

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009235.D
 Acq On : 22 Jan 2019 14:20
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 23 01:25:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 00:37:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	97948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	161452	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	150015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	75952	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	173271	130.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.10%	
35) Dibromofluoromethane	4.63	113	159146	148.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.26%	
50) Toluene-d8	7.36	98	620861	150.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.60%	
62) 4-Bromofluorobenzene	10.12	95	235824	149.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	109433	140.667	ug/l	98
3) Chloromethane	1.25	50	159590	140.689	ug/l	99
4) Vinyl Chloride	1.32	62	163411	147.343	ug/l	100
5) Bromomethane	1.51	94	89400	122.822	ug/l	98
6) Chloroethane	1.59	64	89192	127.685	ug/l	99
7) Trichlorofluoromethane	1.75	101	112252	165.427	ug/l	97
8) Diethyl Ether	1.96	74	77183	140.496	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.13	101	143626	142.223	ug/l	100
10) Methyl Iodide	2.25	142	235626	142.018	ug/l	99
11) Tert butyl alcohol	2.65	59	51778	533.788	ug/l	99
12) 1,1-Dichloroethene	2.13	96	145089	143.085	ug/l	98
13) Acrolein	2.05	56	44610	634.499	ug/l	97
14) Allyl chloride	2.42	41	251082	140.849	ug/l	98
15) Acrylonitrile	2.76	53	169533	713.583	ug/l	99
16) Acetone	2.17	43	211861	652.853	ug/l	100
17) Carbon Disulfide	2.31	76	446306	147.488	ug/l	100
19) Methyl tert-butyl Ether	2.79	73	221533	139.477	ug/l	98
20) Methylene Chloride	2.52	84	148983	121.399	ug/l	99
21) trans-1,2-Dichloroethene	2.78	96	154306	140.733	ug/l	95
22) Diisopropyl ether	3.32	45	539990	136.053	ug/l	99
23) Vinyl Acetate	3.29	43	1561318	712.688	ug/l	99
24) 1,1-Dichloroethane	3.22	63	331884	137.848	ug/l	99
25) 2-Butanone	4.01	43	278116	722.480	ug/l	100
26) 2,2-Dichloropropane	3.94	77	195912	153.921	ug/l	98
27) cis-1,2-Dichloroethene	3.95	96	195545	141.361	ug/l	98
28) Bromochloromethane	4.29	49	124578	134.767	ug/l	99
29) Tetrahydrofuran	4.38	42	156585	710.060	ug/l	97
30) Chloroform	4.41	83	333886	133.434	ug/l	99
31) Cyclohexane	4.72	56	288726	134.567	ug/l	99
32) 1,1,1-Trichloroethane	4.65	97	279940	140.220	ug/l	99
36) 1,1-Dichloropropene	4.87	75	257871	147.509	ug/l	98
37) Ethyl Acetate	4.11	43	112396	153.923	ug/l	97
38) Carbon Tetrachloride	4.86	117	261796	150.706	ug/l	99
39) Methylcyclohexane	6.17	83	314524	156.350	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	5.14	78	726294	147.078	ug/l	98
41) Methacrylonitrile	4.30	41	64983	151.978	ug/l	95
42) 1,2-Dichloroethane	5.17	62	224771	136.428	ug/l	98
43) Isopropyl Acetate	5.32	43	214918	148.116	ug/l	98
44) Trichloroethene	5.95	130	192803	151.653	ug/l	96
45) 1,2-Dichloropropane	6.22	63	178112	148.008	ug/l	100
46) Dibromomethane	6.35	93	94826	144.615	ug/l	97
47) Bromodichloromethane	6.55	83	248667	145.370	ug/l	99
48) Methyl methacrylate	6.41	41	110502	150.255	ug/l	99
49) 1,4-Dioxane	6.41	88	26368	3099.437	ug/l	97
51) 4-Methyl-2-Pentanone	7.27	43	542650	747.632	ug/l	99
52) Toluene	7.43	92	466937	150.650	ug/l	99
53) t-1,3-Dichloropropene	7.69	75	255219	153.356	ug/l	100
54) cis-1,3-Dichloropropene	7.07	75	290412	154.016	ug/l	100
55) 1,1,2-Trichloroethane	7.88	97	129714	146.000	ug/l	99
56) Ethyl methacrylate	7.83	69	171723	159.555	ug/l	99
57) 1,3-Dichloropropane	8.05	76	238432	145.591	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.93	63	19596	946.134	ug/l	91
59) 2-Hexanone	8.18	43	399760	743.056	ug/l	100
60) Dibromochloromethane	8.29	129	163471	154.529	ug/l	99
61) 1,2-Dibromoethane	8.40	107	132502	150.497	ug/l	99
64) Tetrachloroethene	8.02	164	156503	153.277	ug/l	98
65) Chlorobenzene	8.92	112	504754	147.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	177355	150.656	ug/l	99
67) Ethyl Benzene	9.05	91	914916	150.333	ug/l	99
68) m/p-Xylenes	9.18	106	688773	301.635	ug/l	98
69) o-Xylene	9.59	106	329409	154.840	ug/l	99
70) Stvrene	9.60	104	541514	156.120	ug/l	98
71) Bromoform	9.77	173	92923	161.571	ug/l #	98
73) Isopropylbenzene	9.97	105	917662	152.575	ug/l	99
74) N-amyl acetate	9.84	43	195209	153.644	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	158578	147.223	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	115758	138.122	ug/l	67
77) Bromobenzene	10.26	156	199149	149.127	ug/l	97
78) n-propylbenzene	10.40	91	1083913	152.088	ug/l	99
79) 2-Chlorotoluene	10.47	91	633473	144.077	ug/l	100
80) 1,3,5-Trimethylbenzene	10.58	105	767959	150.672	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	50073	165.671	ug/l	96
82) 4-Chlorotoluene	10.58	91	750808	143.372	ug/l	99
83) tert-Butylbenzene	10.91	119	743586	153.432	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	779204	148.337	ug/l	100
85) sec-Butylbenzene	11.13	105	963911	154.738	ug/l	100
86) p-Isopropyltoluene	11.29	119	846918	153.345	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	402411	147.489	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	400359	144.595	ug/l	99
89) n-Butylbenzene	11.70	91	828391	152.288	ug/l	99
90) Hexachloroethane	11.95	117	158568	159.182	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	355719	145.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	28018	150.162	ug/l	97
93) 1,2,4-Trichlorobenzene	13.31	180	245172	147.339	ug/l	100

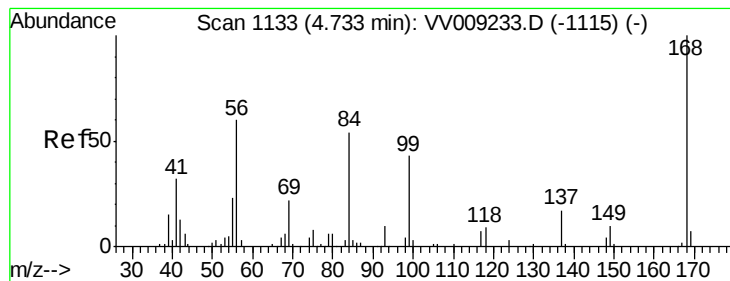
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV012219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.49	225	141787	150.911	ug/l	100
95) Naphthalene	13.55	128	459800	157.464	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	206959	146.527	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

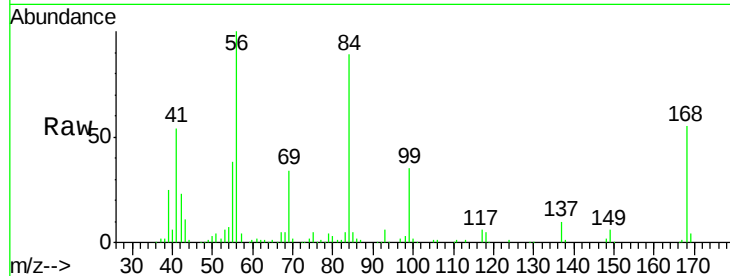
VSTDIC150

Tot Ion:168 Resp: 97948

Ion Ratio Lower Upper

168 100

99 63.3 50.9 76.3



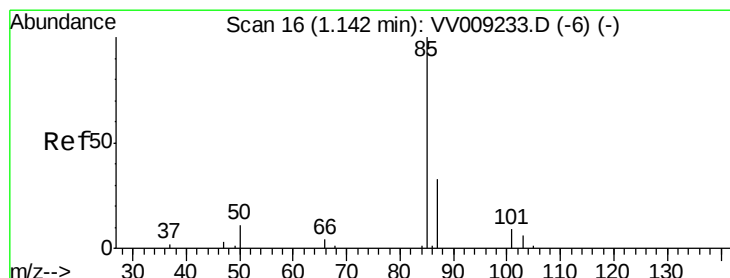
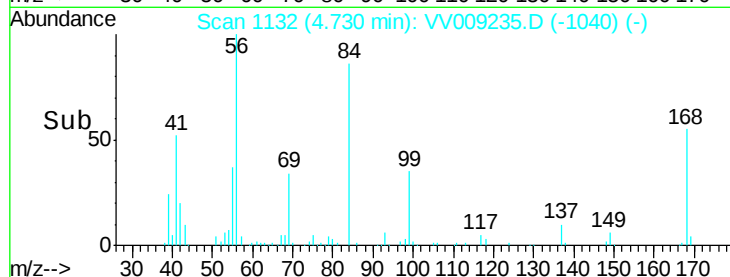
Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

Ion 98.90 (98.60 to 99.60): VV009233.D (-1115) (-)

Time-->

4.60 4.70 4.80

4.73



#2

Dichlorodifluoromethane

Concen: 140.667 ug/l

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009235.D

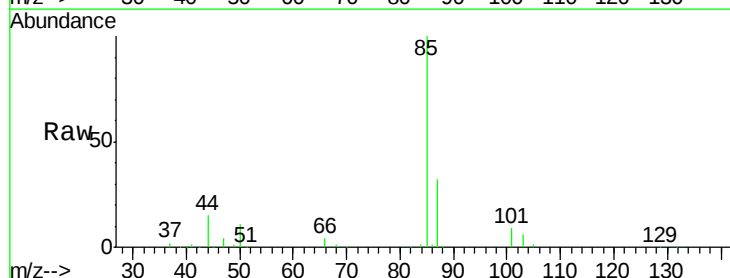
Acq: 22 Jan 2019 14:20

Tgt Ion: 85 Resp: 109433

Ion Ratio Lower Upper

85 100

87 32.0 16.6 49.7



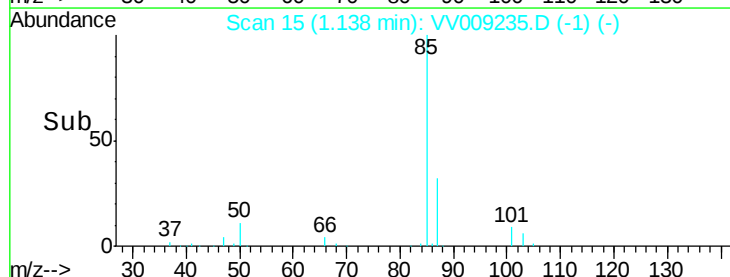
Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

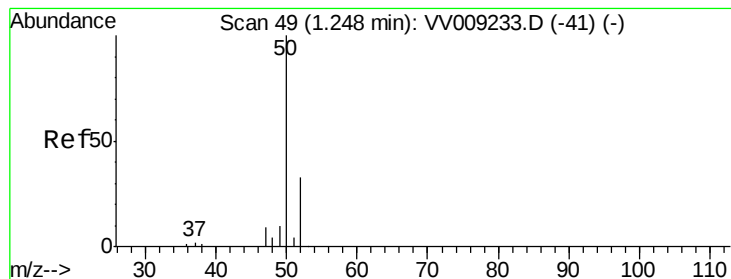
Ion 86.90 (86.60 to 87.60): VV009233.D (-6) (-)

Time-->

1.10 1.20 1.30

1.14





#3

Chloromethane

Concen: 140.689 ug/l

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

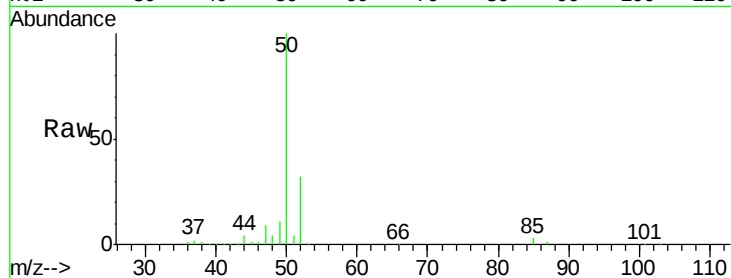
VSTDIC150

Tot Ion: 50 Resp: 159590

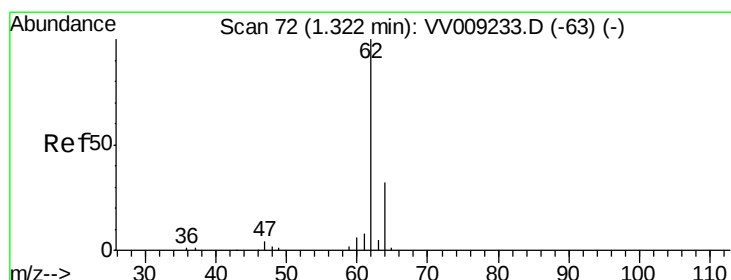
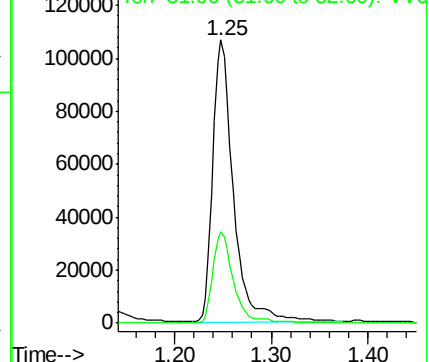
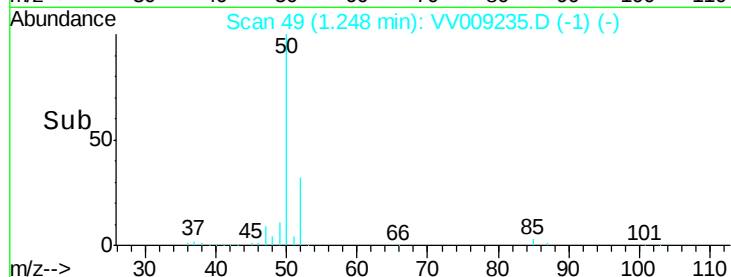
Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VV009235.D (-1) (-)



#4

Vinyl Chloride

Concen: 147.343 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009235.D

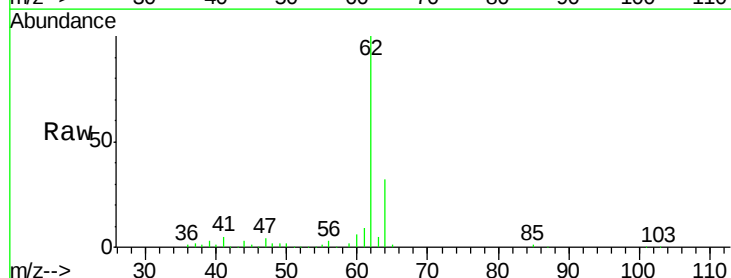
Acq: 22 Jan 2019 14:20

Tgt Ion: 62 Resp: 163411

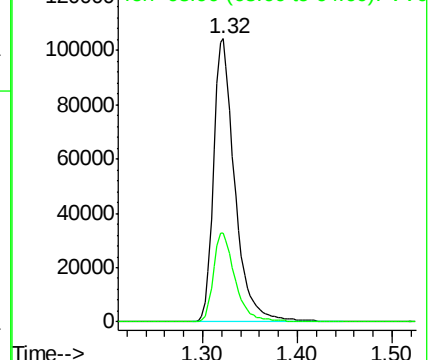
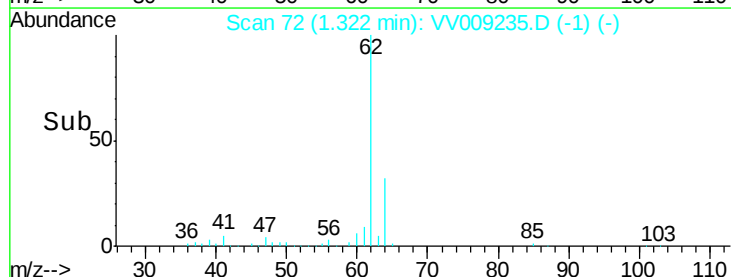
Ion Ratio Lower Upper

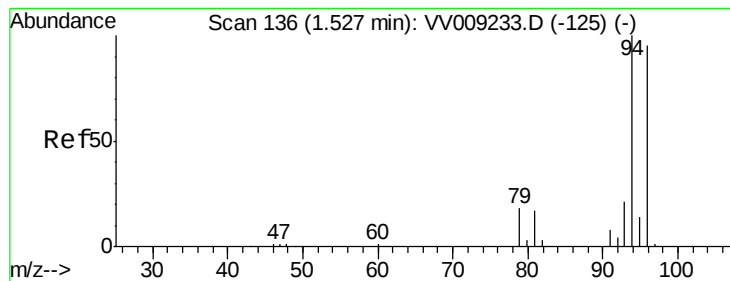
62 100

64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VV009235.D (-1) (-)





#5

Bromomethane

Concen: 122.822 ug/l

RT: 1.51 min Scan# 132

Delta R.T. -0.01 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

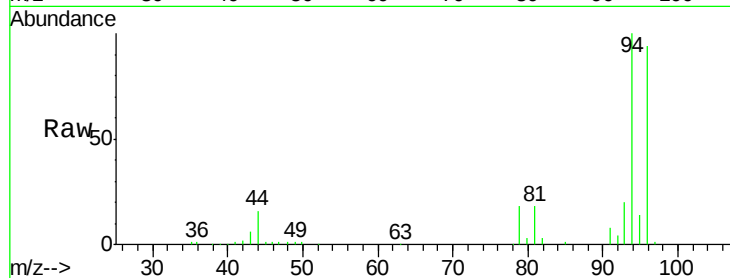
VSTDIC150

Tot Ion: 94 Resp: 89400

Ion Ratio Lower Upper

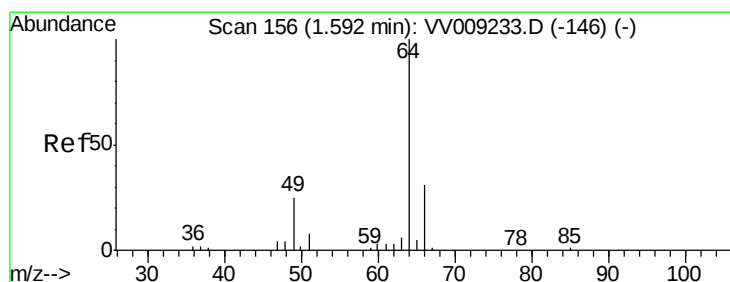
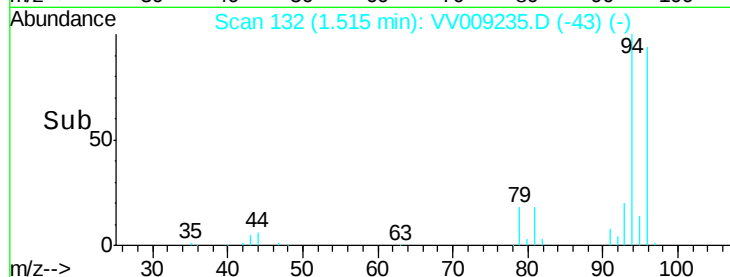
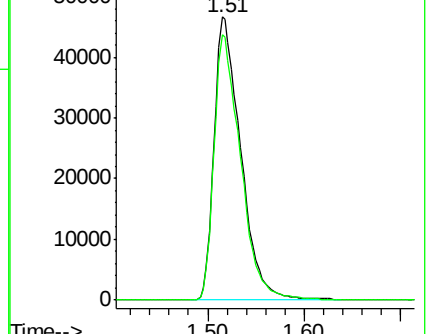
94 100

96 93.7 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VV0

Ion 95.90 (95.60 to 96.60): VV0



#6

Chloroethane

Concen: 127.685 ug/l

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV009235.D

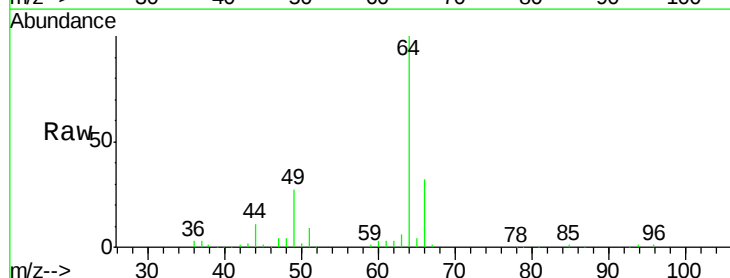
Acq: 22 Jan 2019 14:20

Tgt Ion: 64 Resp: 89192

Ion Ratio Lower Upper

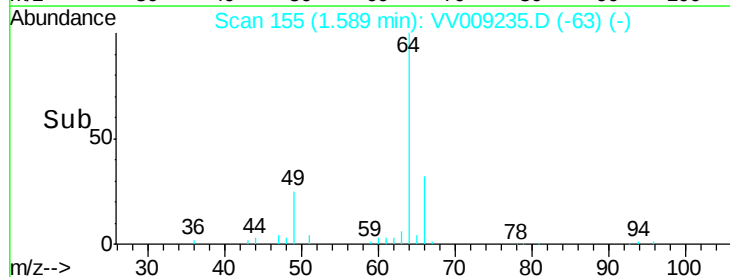
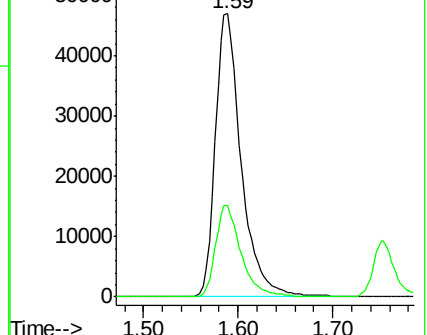
64 100

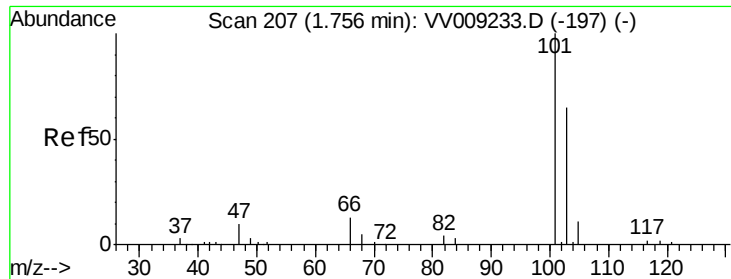
66 32.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV0

Ion 65.90 (65.60 to 66.60): VV0



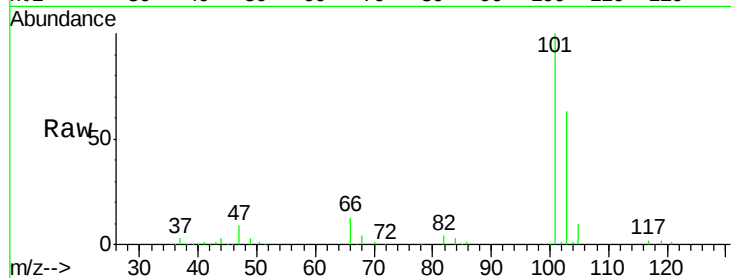


#7

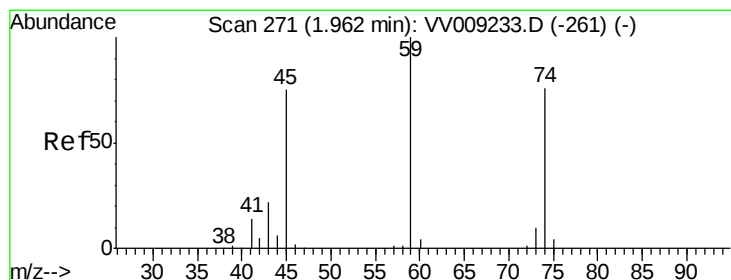
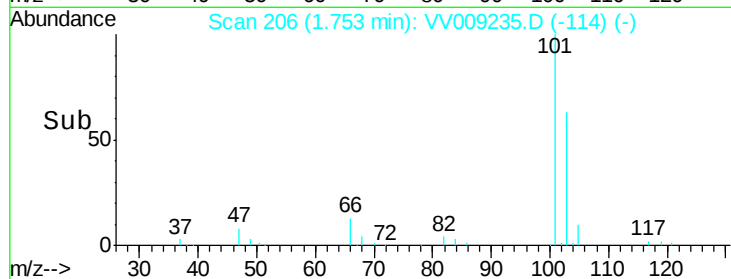
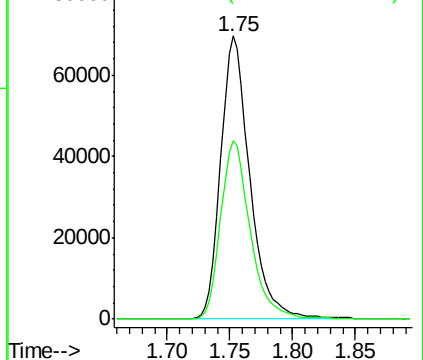
Trichlorofluoromethane
 Concen: 165.427 ug/l
 RT: 1.75 min Scan# 206
 Delta R.T. -0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 112252
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.2 78.4



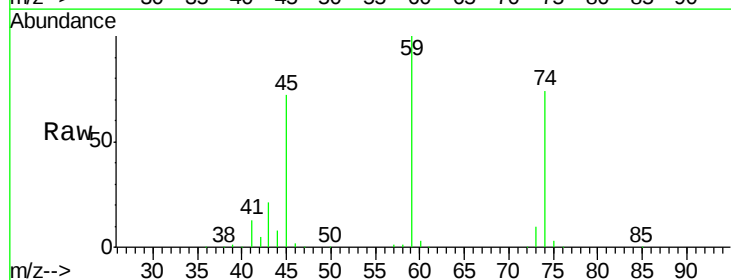
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



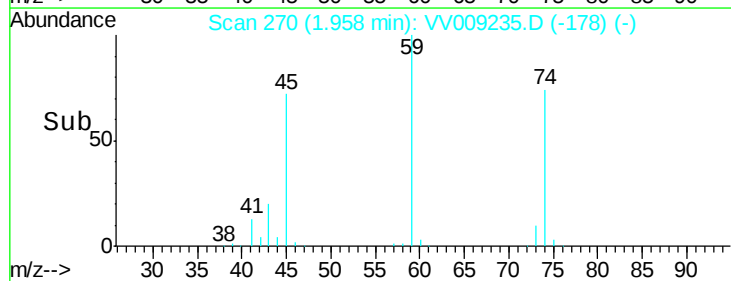
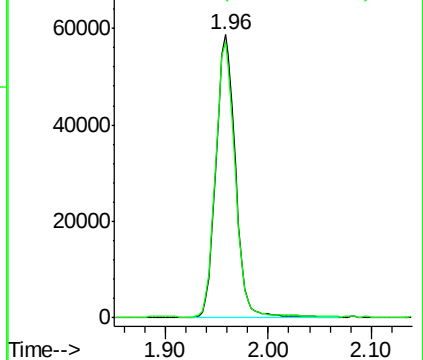
#8

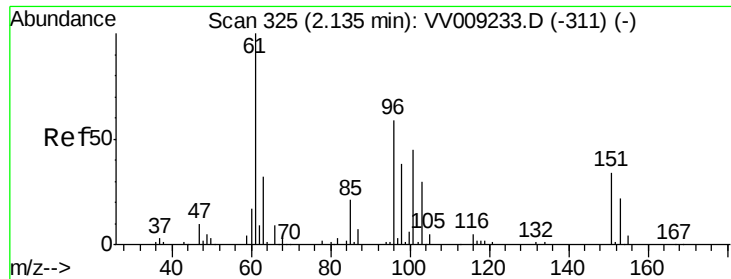
Diethyl Ether
 Concen: 140.496 ug/l
 RT: 1.96 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Tgt Ion: 74 Resp: 77183
 Ion Ratio Lower Upper
 74 100
 45 96.8 49.1 147.3



Abundance Ion 74.00 (73.70 to 74.70): VV0
 Ion 45.00 (44.70 to 45.70): VV0

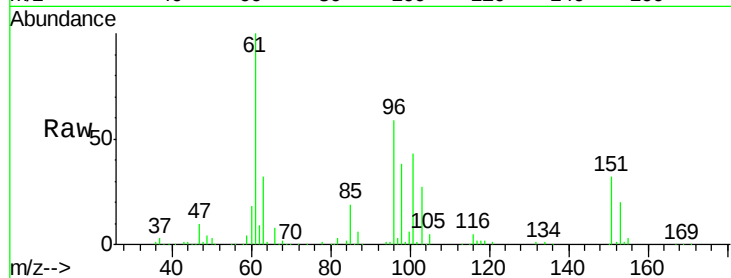




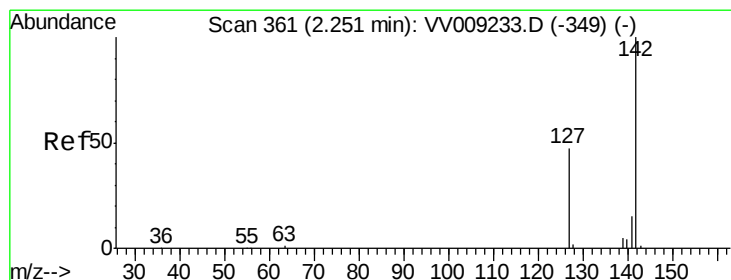
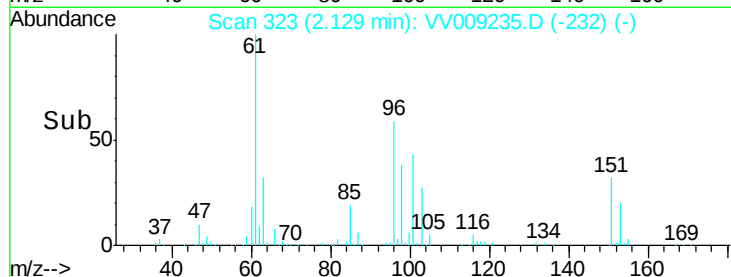
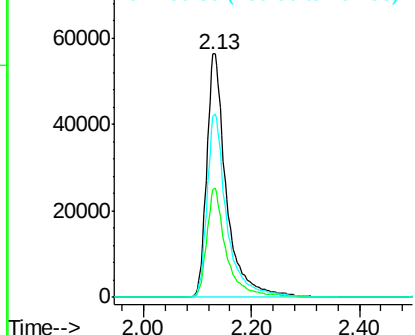
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 142.223 ug/l
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 143626
 Ion Ratio Lower Upper
 101 100
 85 44.4 35.3 52.9
 151 75.4 60.1 90.1

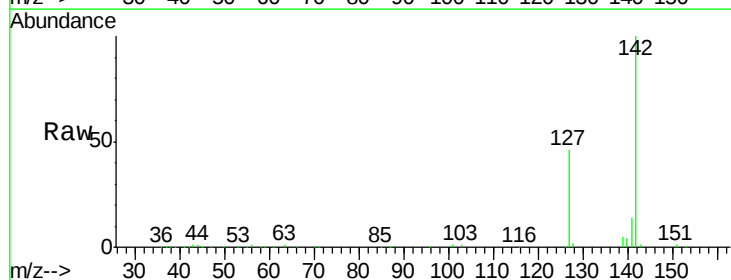


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 150.80 (150.50 to 151.50): V

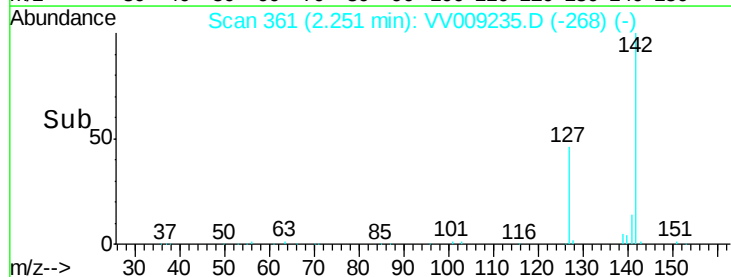
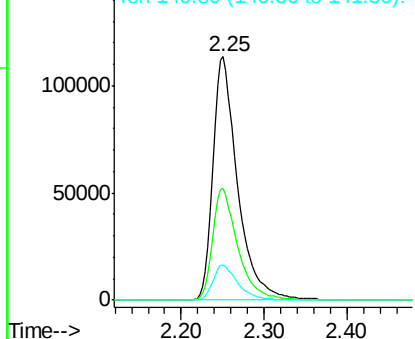


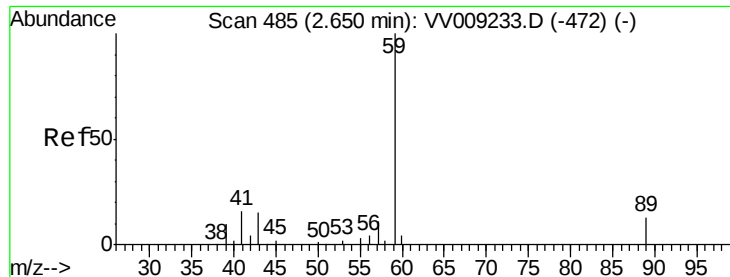
#10
 Methyl Iodide
 Concen: 142.018 ug/l
 RT: 2.25 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Tgt Ion:142 Resp: 235626
 Ion Ratio Lower Upper
 142 100
 127 46.8 37.9 56.9
 141 14.7 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V

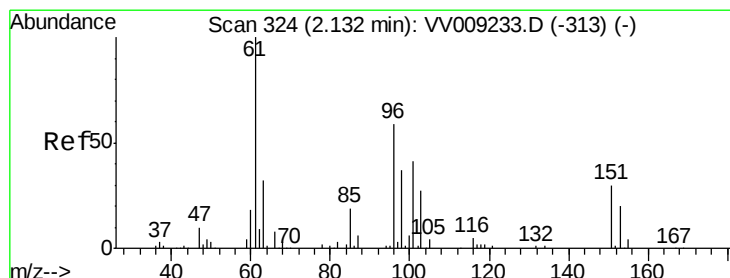
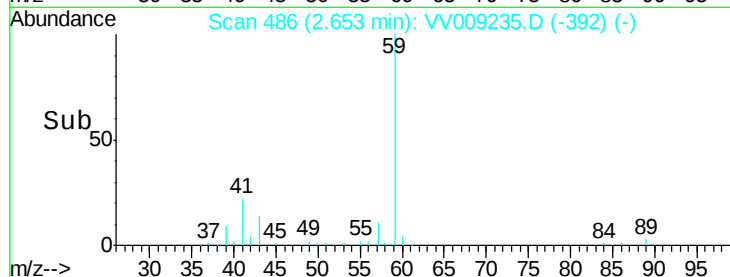
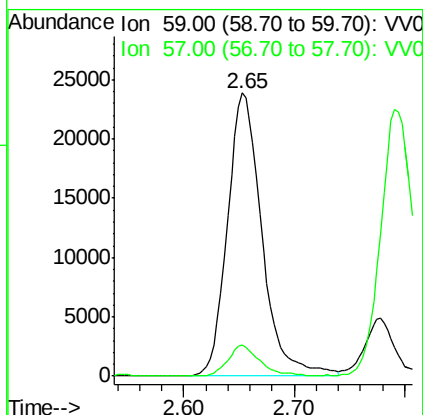
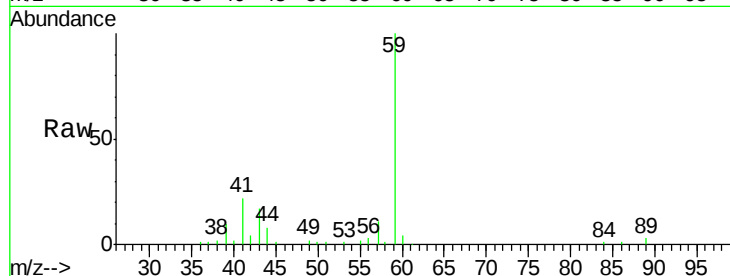




#11
Tert butyl alcohol
Concen: 533.788 ug/l
RT: 2.65 min Scan# 486
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

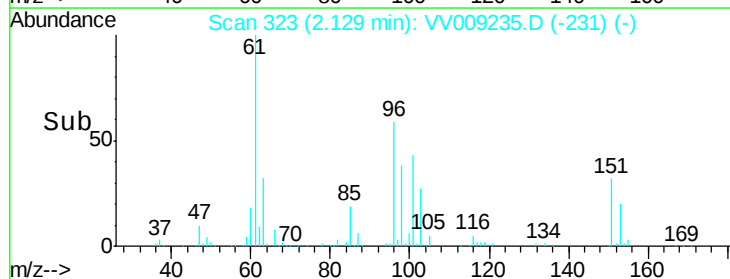
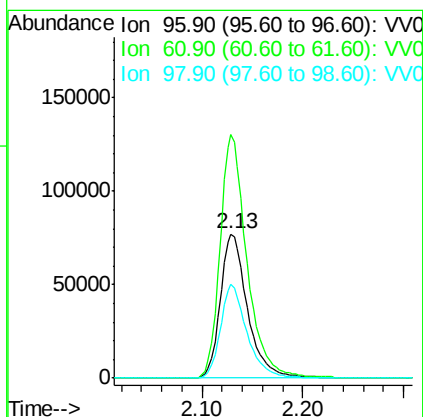
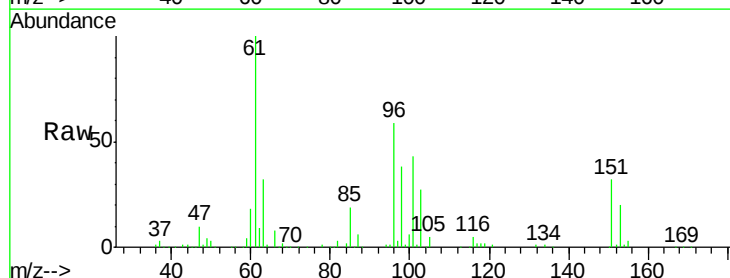
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

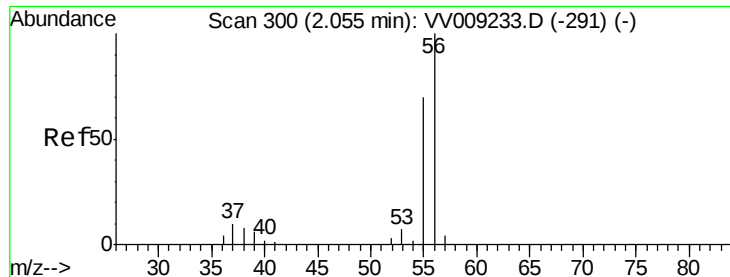
Tot Ion: 59 Resp: 51778
Ion Ratio Lower Upper
59 100
57 10.0 8.4 12.6



#12
1,1-Dichloroethene
Concen: 143.085 ug/l
RT: 2.13 min Scan# 323
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt Ion: 96 Resp: 145089
Ion Ratio Lower Upper
96 100
61 168.9 136.6 205.0
98 64.8 50.6 75.8

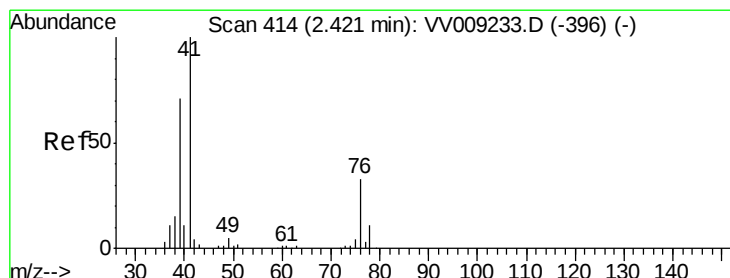
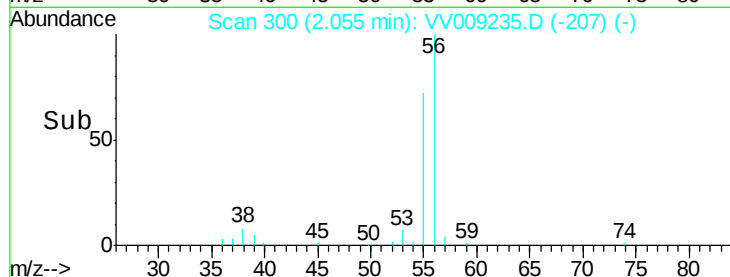
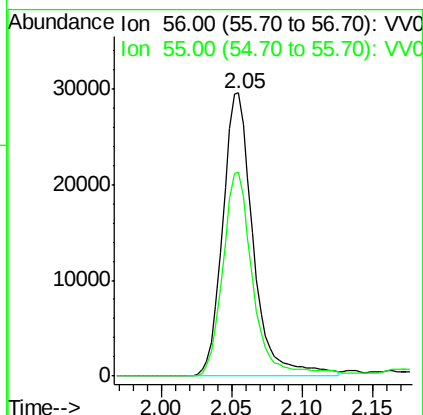
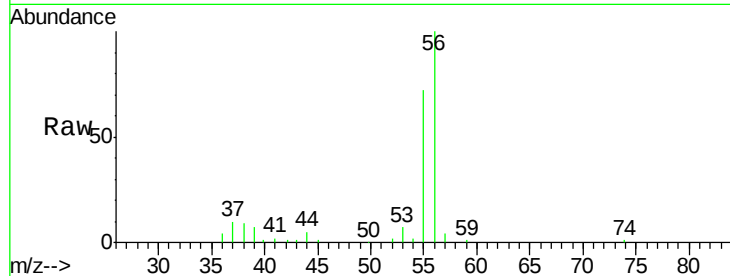




#13
Acrolein
Concen: 634.499 ug/l
RT: 2.05 min Scan# 300
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

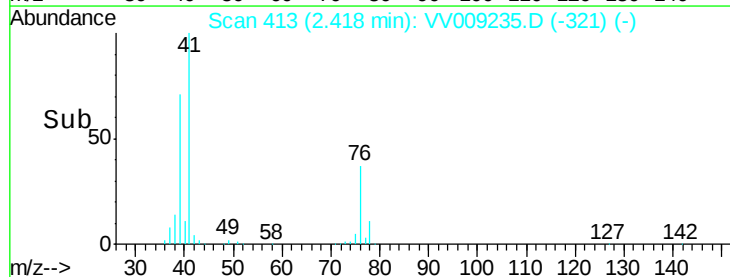
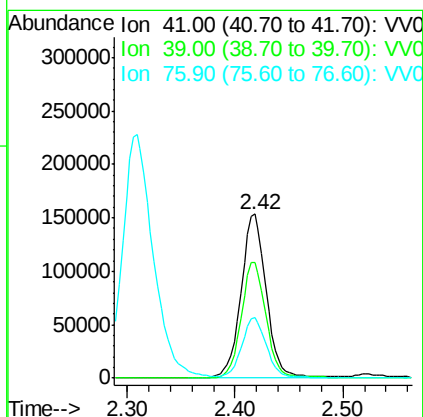
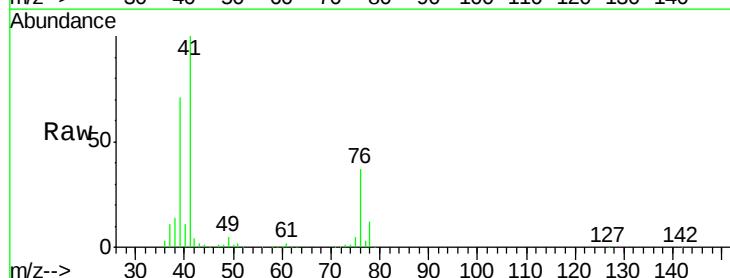
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

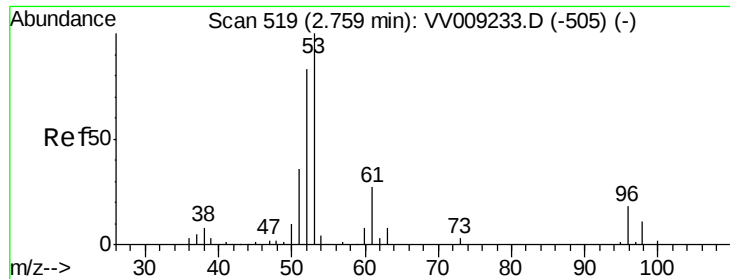
Tot Ion: 56 Resp: 44610
Ion Ratio Lower Upper
56 100
55 69.9 54.0 81.0



#14
Allyl chloride
Concen: 140.849 ug/l
RT: 2.42 min Scan# 413
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt Ion: 41 Resp: 251082
Ion Ratio Lower Upper
41 100
39 69.5 55.1 82.7
76 35.4 26.7 40.1





#15

Acrylonitrile

Concen: 713.583 ug/l

RT: 2.76 min Scan# 518

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

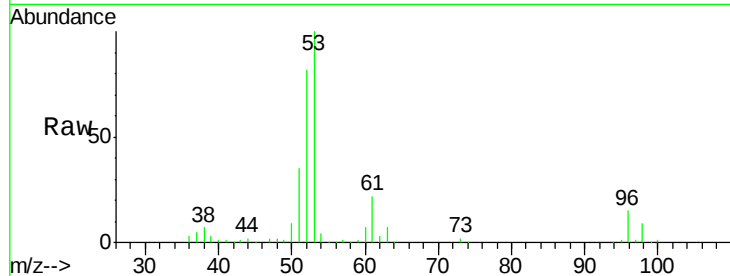
Tot Ion: 53 Resp: 169533

Ion Ratio Lower Upper

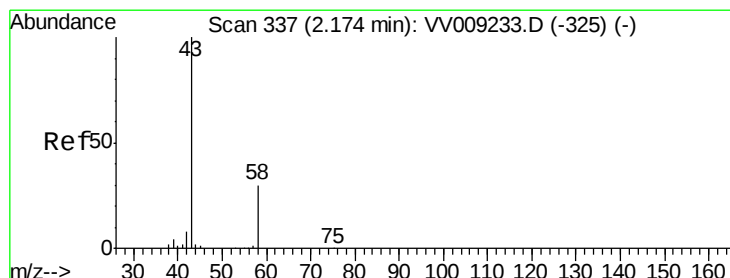
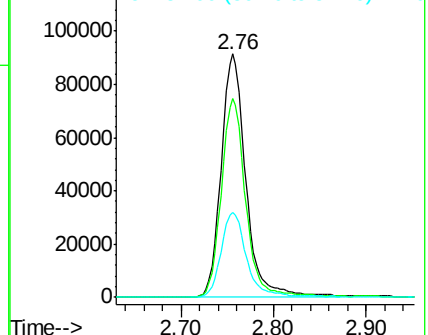
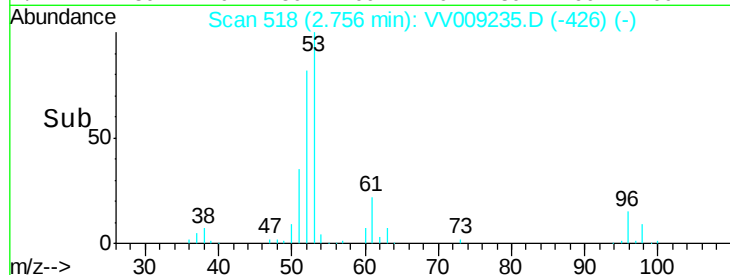
53 100

52 80.6 65.3 97.9

51 36.3 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VV009235.D (-426) (-)



#16

Acetone

Concen: 652.853 ug/l

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV009235.D

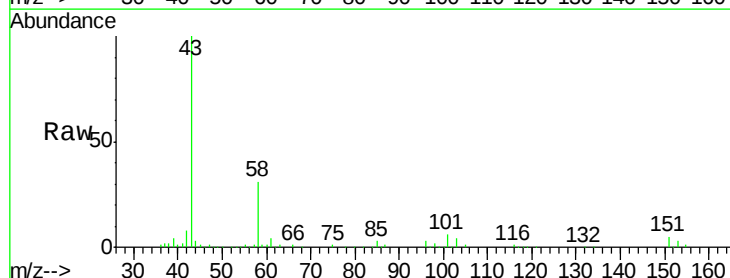
Acq: 22 Jan 2019 14:20

Tgt Ion: 43 Resp: 211861

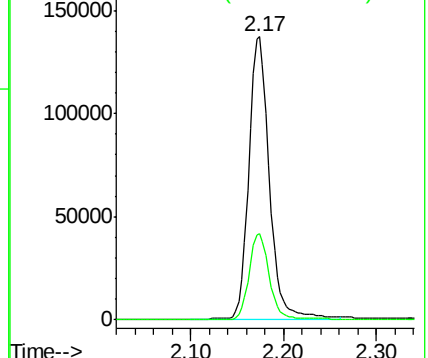
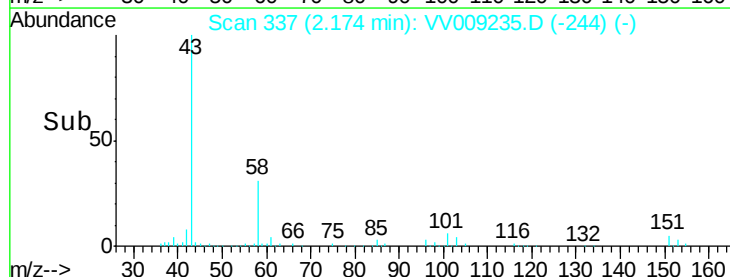
Ion Ratio Lower Upper

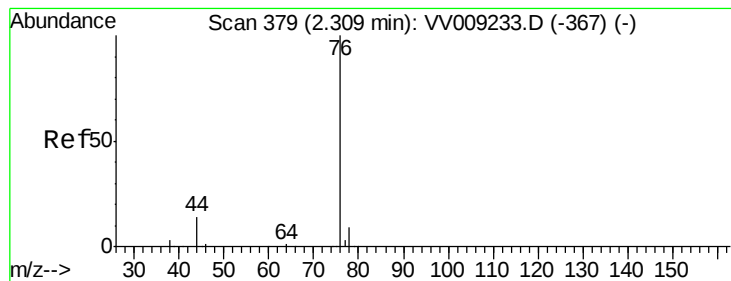
43 100

58 30.7 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV009235.D (-244) (-)





#17

Carbon Disulfide

Concen: 147.488 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

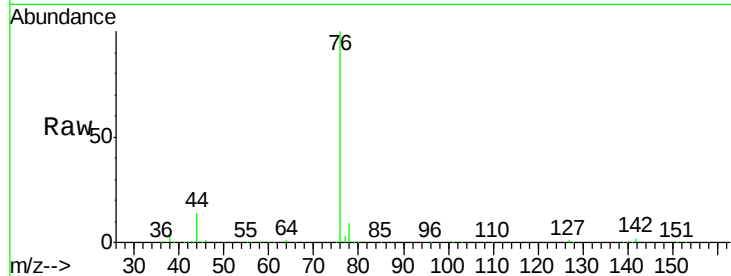
VSTDIC150

Tot Ion: 76 Resp: 446306

Ion Ratio Lower Upper

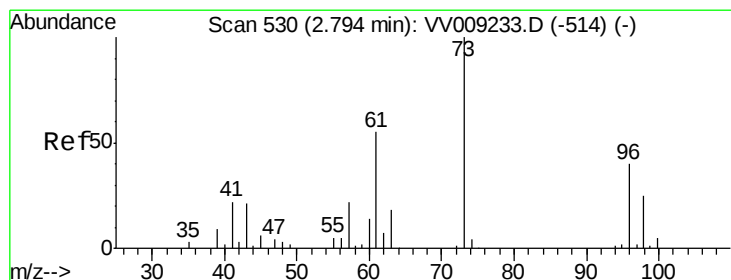
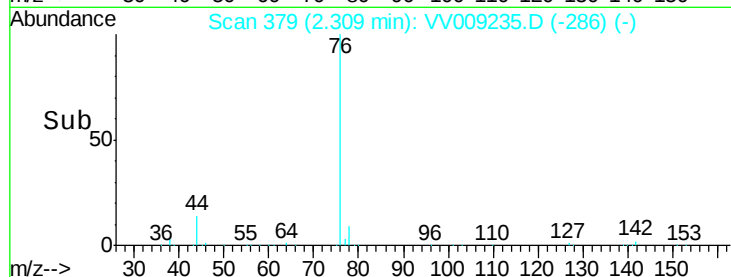
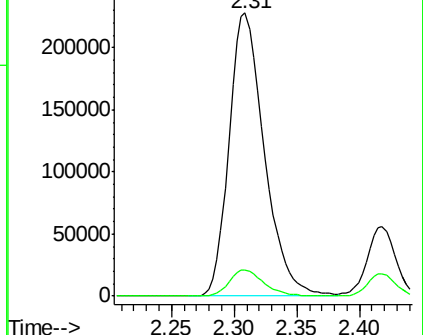
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VV009235.D (-286) (-)

Ion 77.90 (77.60 to 78.60): VV009235.D (-286) (-)



#19

Methyl tert-butyl Ether

Concen: 139.477 ug/l

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV009235.D

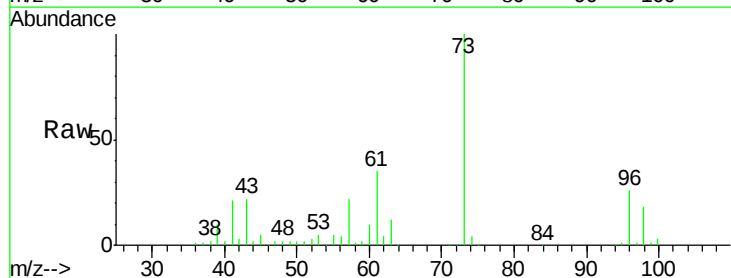
Acq: 22 Jan 2019 14:20

Tgt Ion: 73 Resp: 221533

Ion Ratio Lower Upper

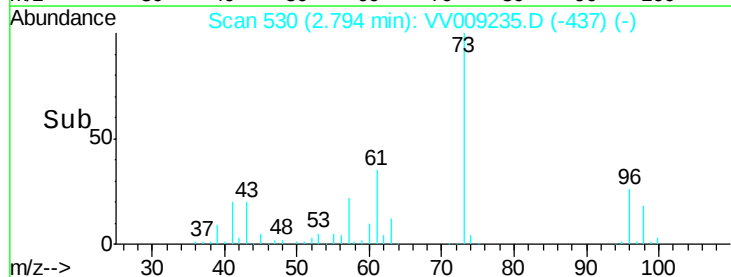
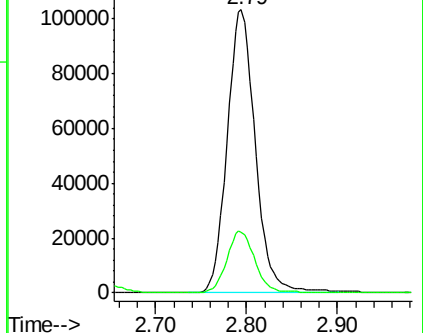
73 100

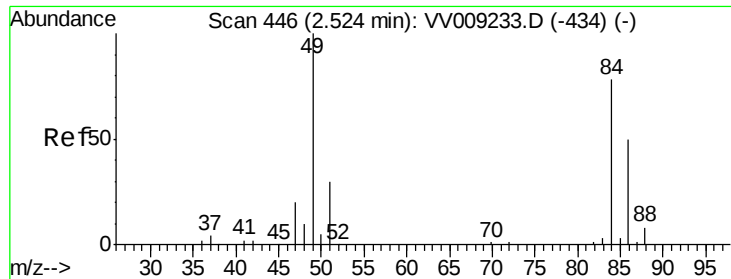
57 21.6 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV009235.D (-437) (-)

Ion 57.00 (56.70 to 57.70): VV009235.D (-437) (-)





#20

Methylene Chloride

Concen: 121.399 ug/l

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion: 84 Resp: 148983

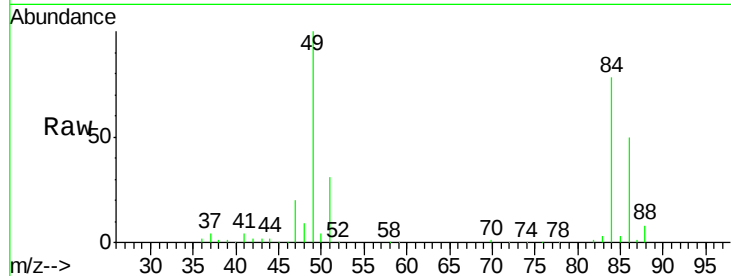
Ion Ratio Lower Upper

84 100

49 128.0 102.0 153.0

51 40.0 30.9 46.3

86 64.2 51.0 76.6

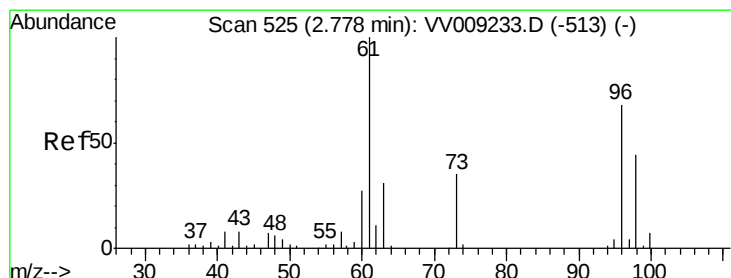
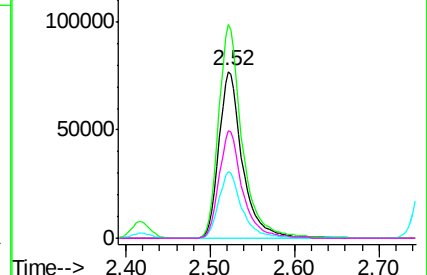
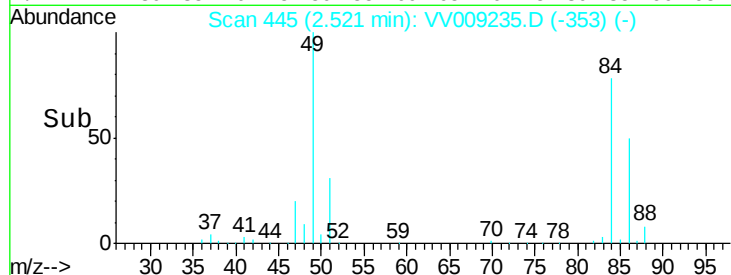


Abundance Ion 83.90 (83.60 to 84.60): VV0

Ion 48.90 (48.60 to 49.60): VV0

Ion 50.90 (50.60 to 51.60): VV0

Ion 85.90 (85.60 to 86.60): VV0



#21

trans-1,2-Dichloroethene

Concen: 140.733 ug/l

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

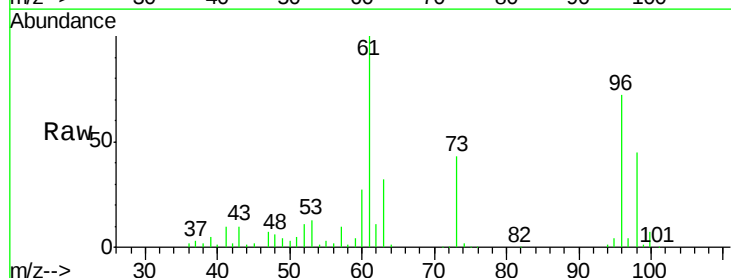
Tgt Ion: 96 Resp: 154306

Ion Ratio Lower Upper

96 100

61 139.8 117.7 176.5

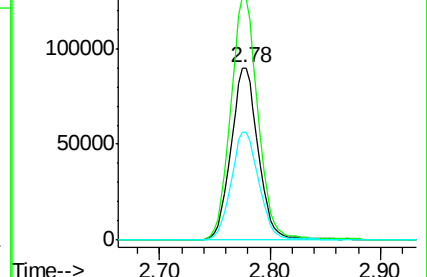
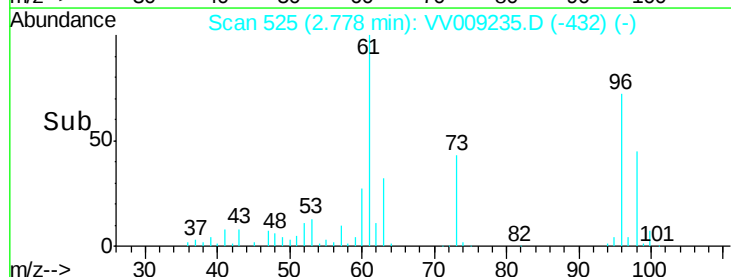
98 62.3 51.5 77.3

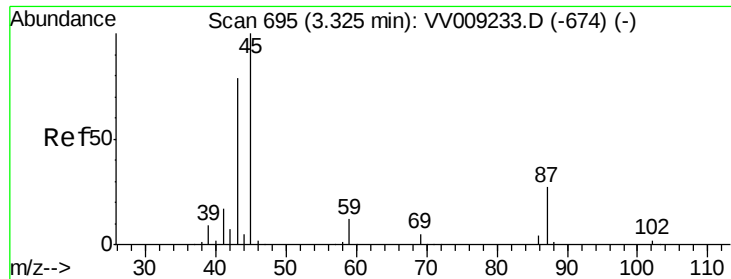


Abundance Ion 95.90 (95.60 to 96.60): VV0

Ion 60.90 (60.60 to 61.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

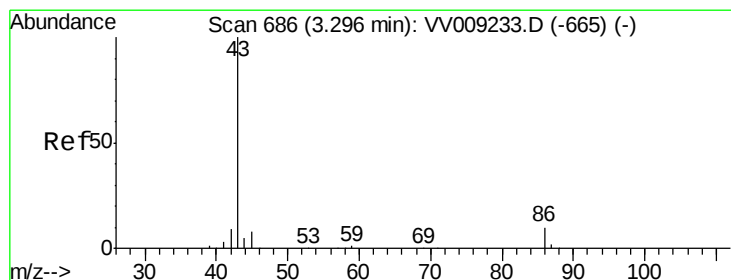
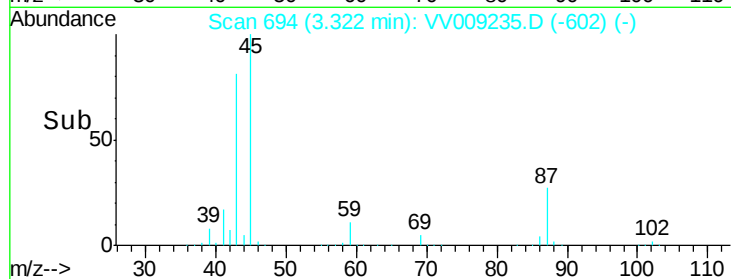
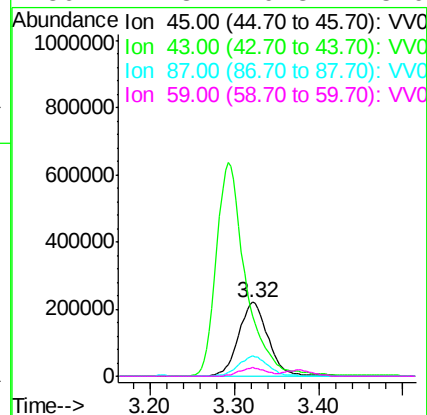
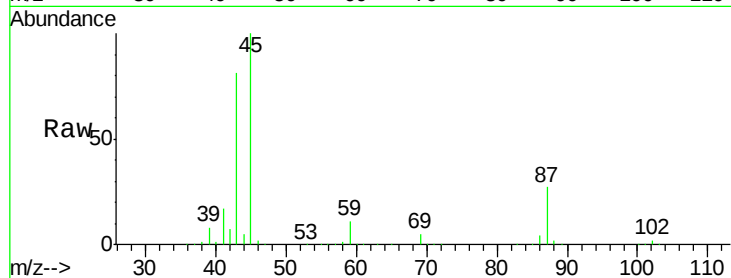




#22
Diisopropyl ether
Concen: 136.053 ug/l
RT: 3.32 min Scan# 694
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

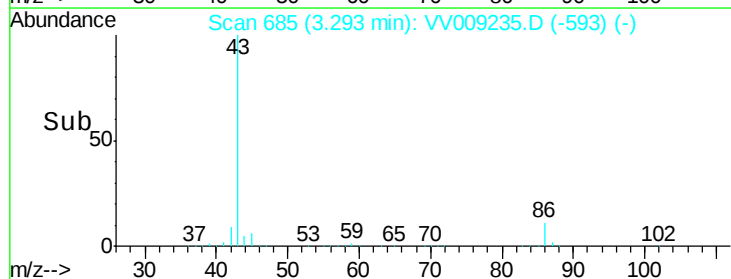
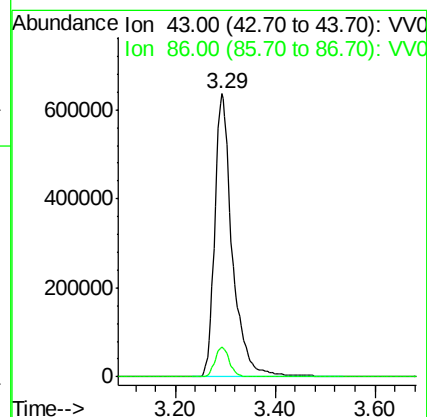
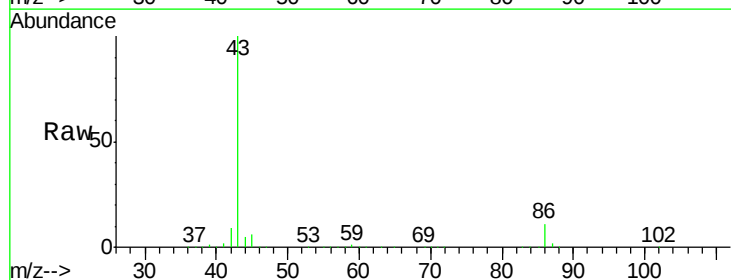
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

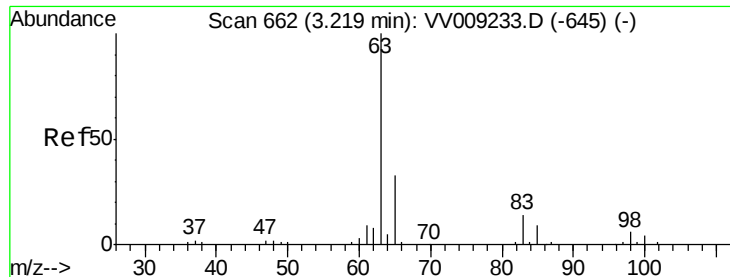
Tot Ion:	45	Resp:	539990
Ion	Ratio	Lower	Upper
45	100		
43	80.3	63.0	94.4
87	26.9	21.5	32.3
59	11.3	9.3	13.9



#23
Vinyl Acetate
Concen: 712.688 ug/l
RT: 3.29 min Scan# 685
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt Ion:	43	Resp:	1561318
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.1	12.1





#24

1,1-Dichloroethane

Concen: 137.848 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

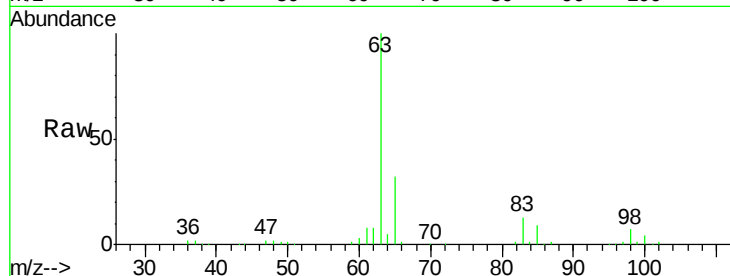
Tot Ion: 63 Resp: 331884

Ion Ratio Lower Upper

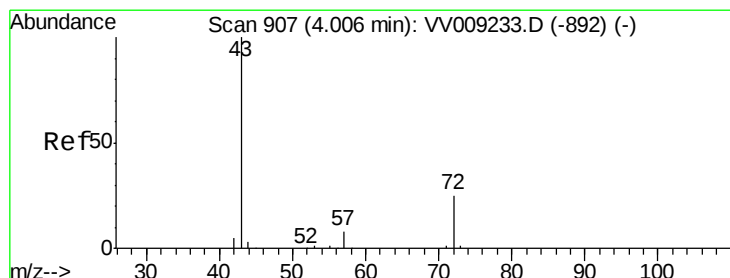
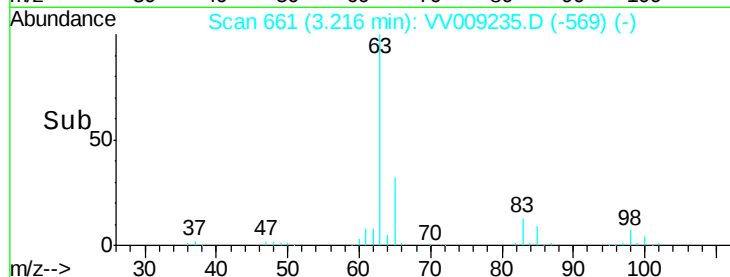
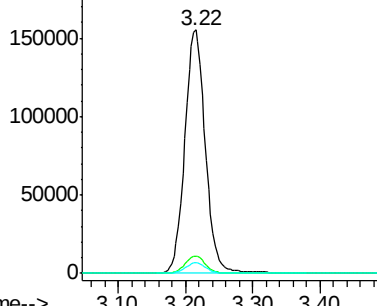
63 100

98 7.0 3.3 9.8

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VV0
Ion 97.90 (97.60 to 98.60): VV0
Ion 99.90 (99.60 to 100.60): VV0



#25

2-Butanone

Concen: 722.480 ug/l

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV009235.D

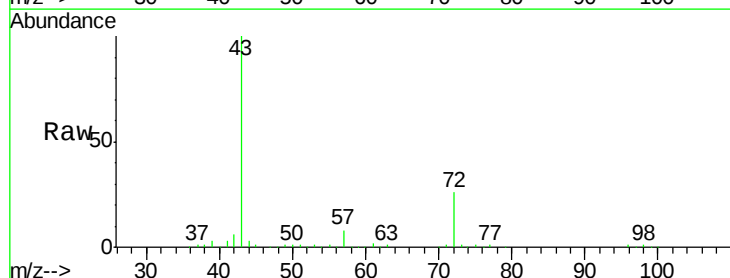
Acq: 22 Jan 2019 14:20

Tgt Ion: 43 Resp: 278116

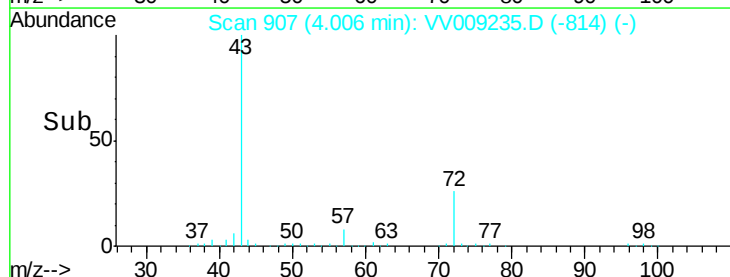
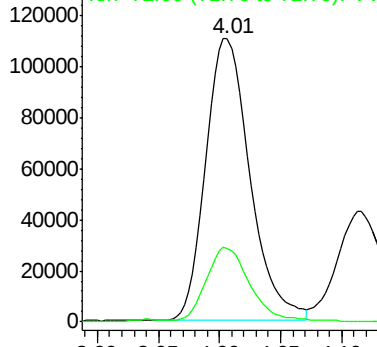
Ion Ratio Lower Upper

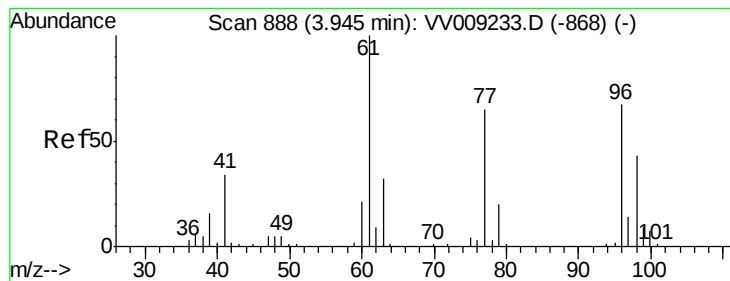
43 100

72 25.5 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0





#26

2,2-Dichloropropane

Concen: 153.921 ug/l

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

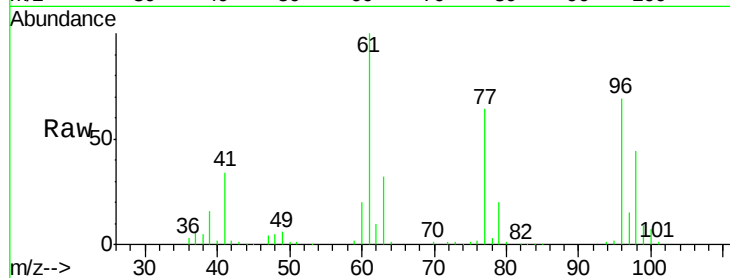
VSTDIC150

Tot Ion: 77 Resp: 195912

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VV0

Ion 96.90 (96.60 to 97.60): VV0

3.94

80000

60000

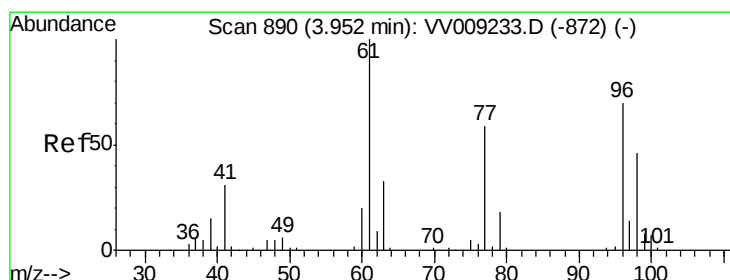
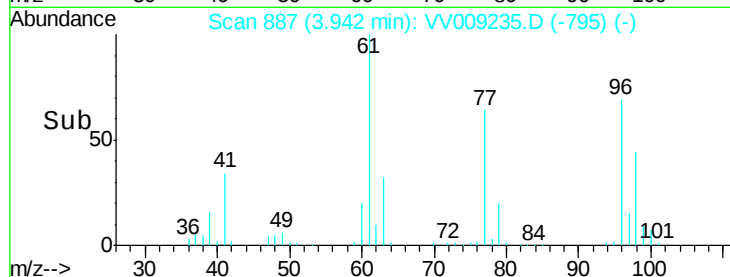
40000

20000

0

Time-->

3.80 3.90 4.00 4.10



#27

cis-1,2-Dichloroethene

Concen: 141.361 ug/l

RT: 3.95 min Scan# 889

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

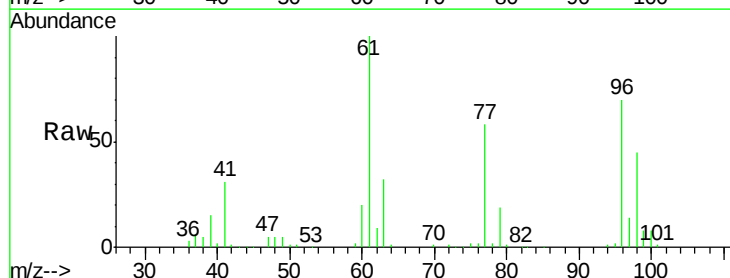
Tgt Ion: 96 Resp: 195545

Ion Ratio Lower Upper

96 100

61 145.6 0.0 296.4

98 63.3 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VV0

Ion 60.90 (60.60 to 61.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

150000

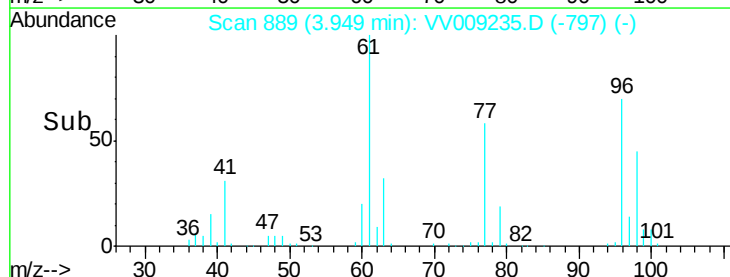
100000

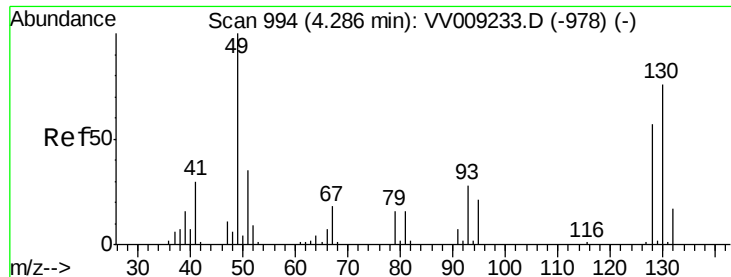
50000

0

Time-->

3.90 4.00





#28

Bromochloromethane

Concen: 134.767 ug/l

RT: 4.29 min Scan# 994

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

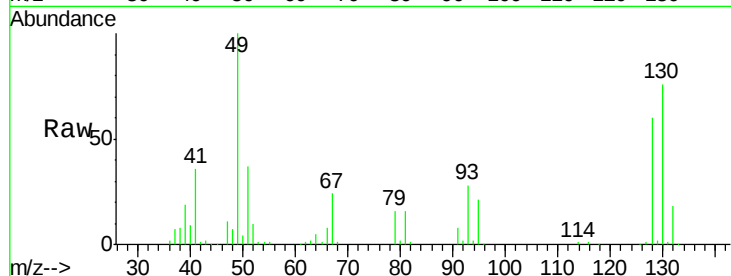
Tot Ion: 49 Resp: 124578

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.6

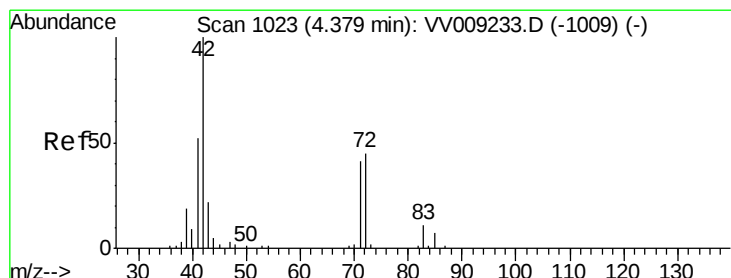
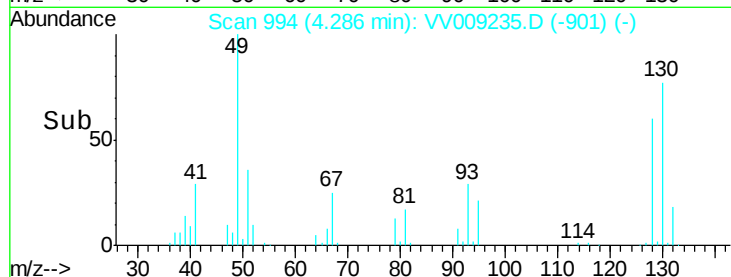
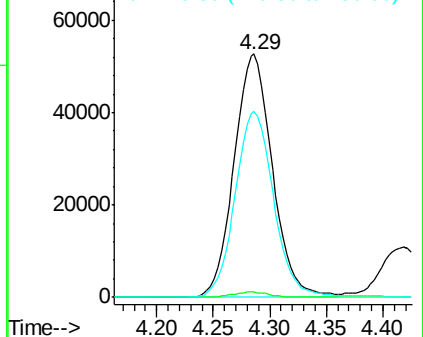
130 76.4 60.2 90.4



Abundance Ion 48.90 (48.60 to 49.60): VV009235.D (-901) (-)

Ion 128.80 (128.50 to 129.50): VV009235.D (-901) (-)

Ion 129.80 (129.50 to 130.50): VV009235.D (-901) (-)



#29

Tetrahydrofuran

Concen: 710.060 ug/l

RT: 4.38 min Scan# 1022

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

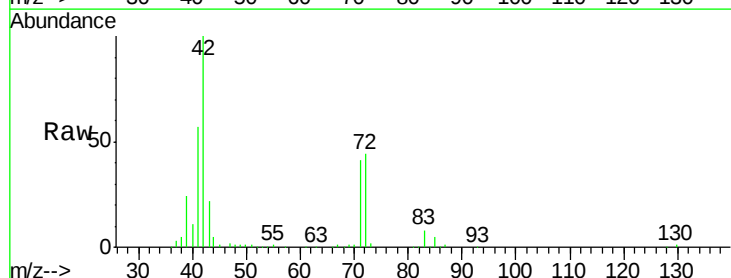
Tgt Ion: 42 Resp: 156585

Ion Ratio Lower Upper

42 100

72 45.6 37.7 56.5

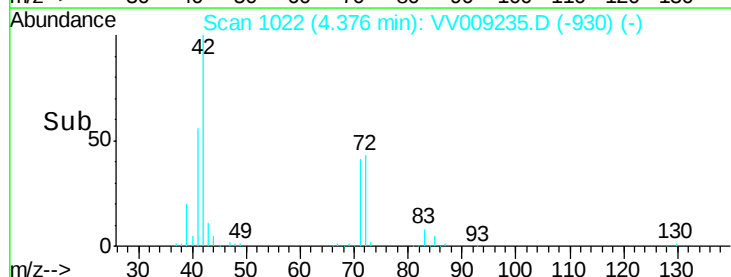
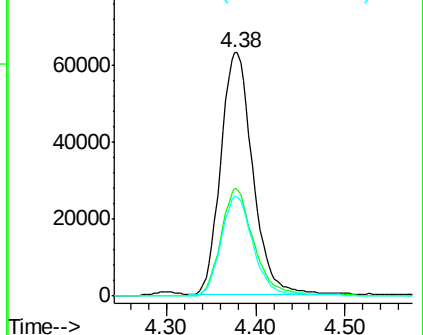
71 41.5 31.5 47.3

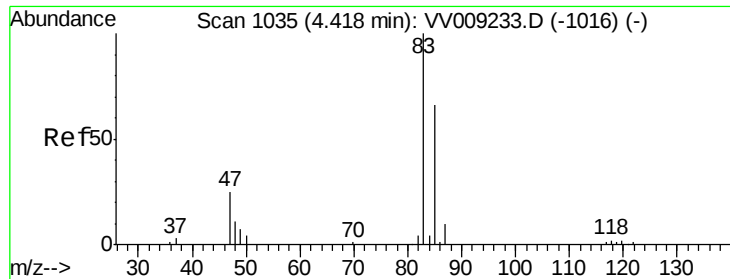


Abundance Ion 42.00 (41.70 to 42.70): VV009235.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VV009235.D (-930) (-)

Ion 71.00 (70.70 to 71.70): VV009235.D (-930) (-)

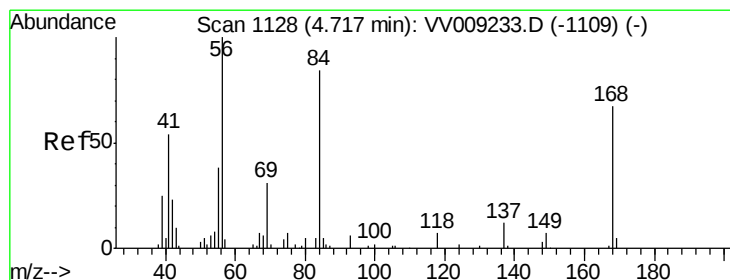
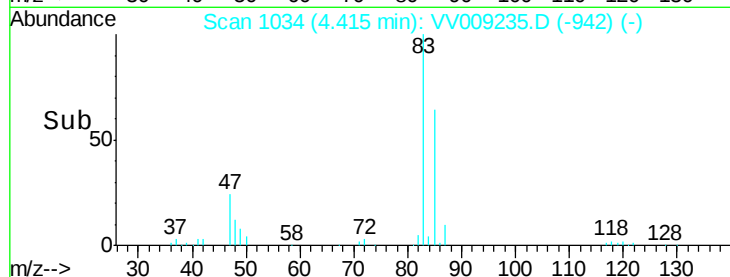
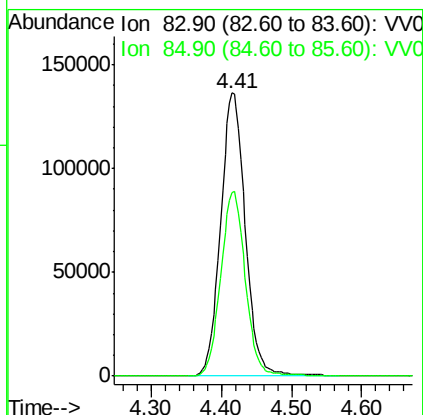
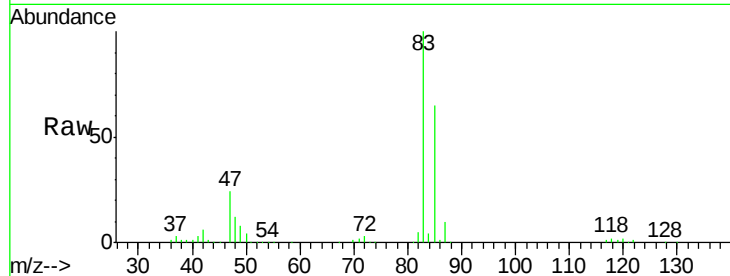




#30
Chloroform
Concen: 133.434 ug/l
RT: 4.41 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

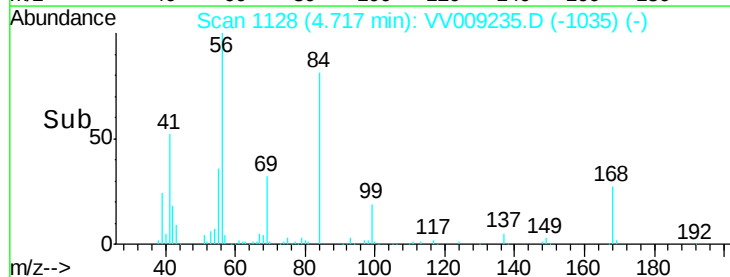
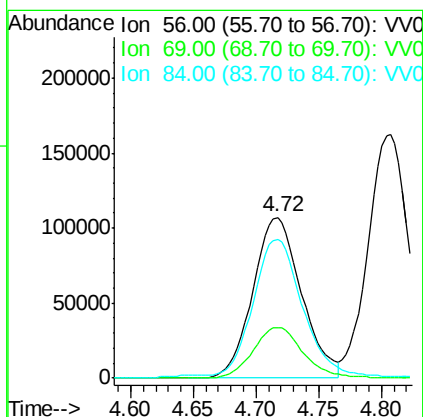
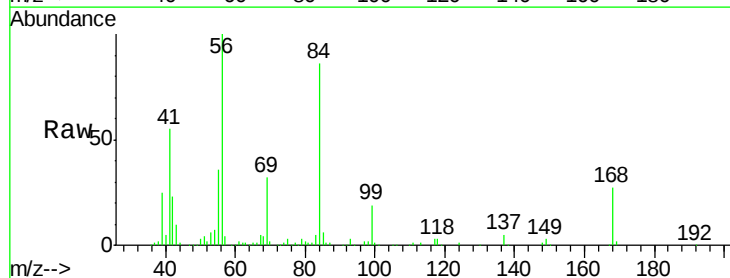
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

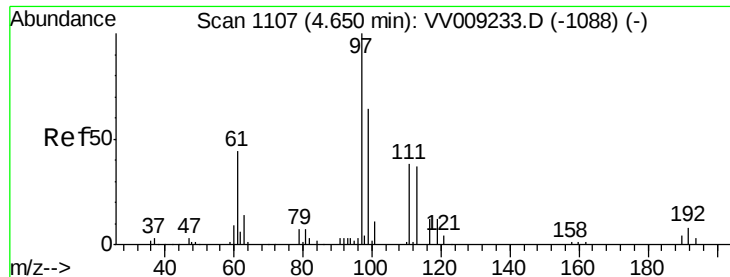
Tot Ion: 83 Resp: 333886
Ion Ratio Lower Upper
83 100
85 64.9 52.6 79.0



#31
Cyclohexane
Concen: 134.567 ug/l
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt Ion: 56 Resp: 288726
Ion Ratio Lower Upper
56 100
69 31.8 25.1 37.7
84 84.6 67.3 100.9





#32

1,1,1-Trichloroethane

Concen: 140.220 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

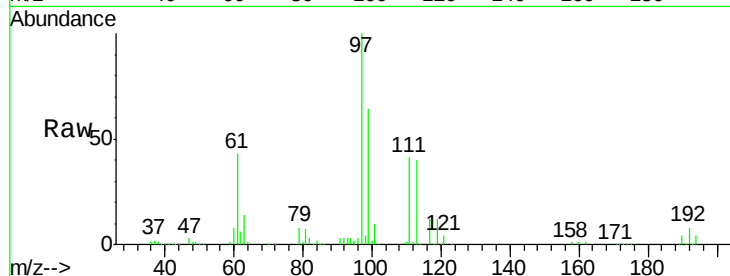
Tot Ion: 97 Resp: 279940

Ion Ratio Lower Upper

97 100

99 62.7 50.2 75.2

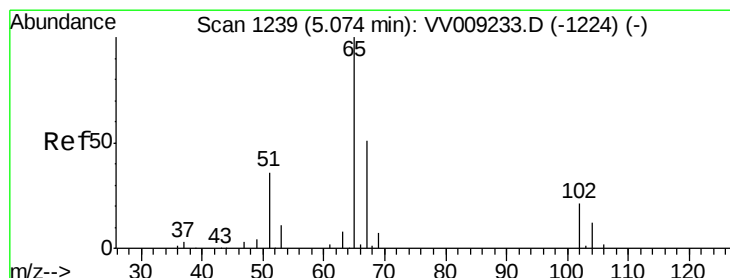
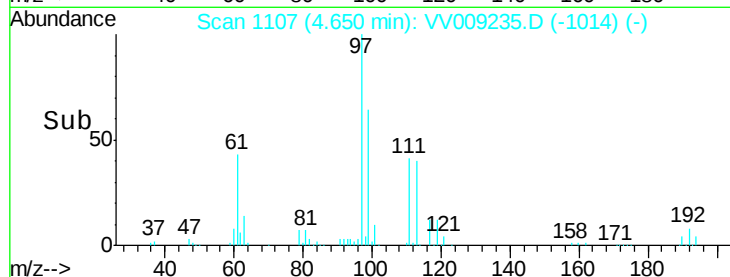
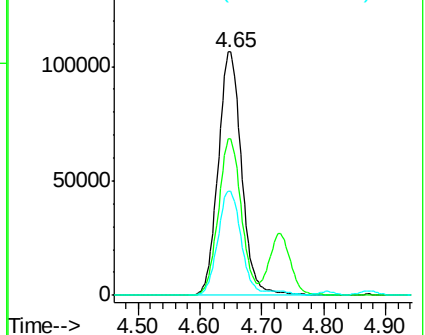
61 42.5 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VV009235.D (-1088) (-)

Ion 98.90 (98.60 to 99.60): VV009235.D (-1088) (-)

Ion 60.90 (60.60 to 61.60): VV009235.D (-1088) (-)



#33

1,2-Dichloroethane-d4

Concen: 130.549 ug/l

RT: 5.07 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VV009235.D

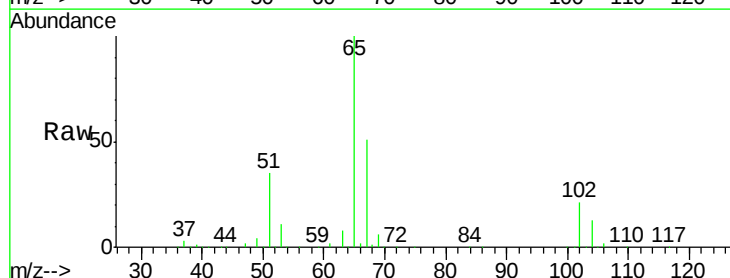
Acq: 22 Jan 2019 14:20

Tgt Ion: 65 Resp: 173271

Ion Ratio Lower Upper

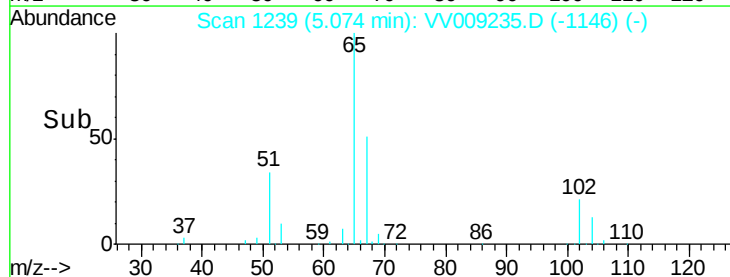
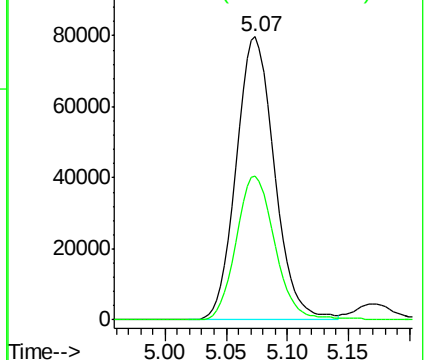
65 100

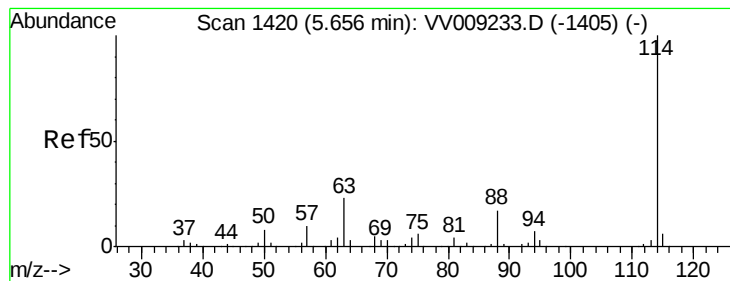
67 51.3 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VV009235.D (-1146) (-)

Ion 66.90 (66.60 to 67.60): VV009235.D (-1146) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

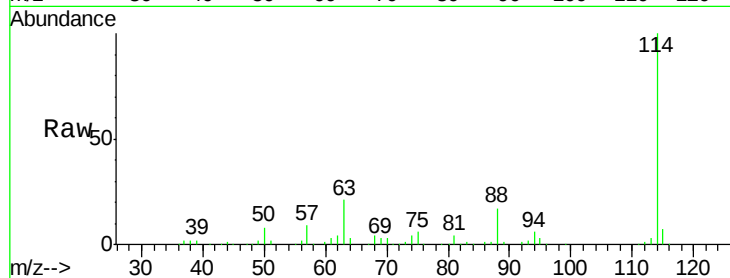
Tot Ion:114 Resp: 161452

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.2

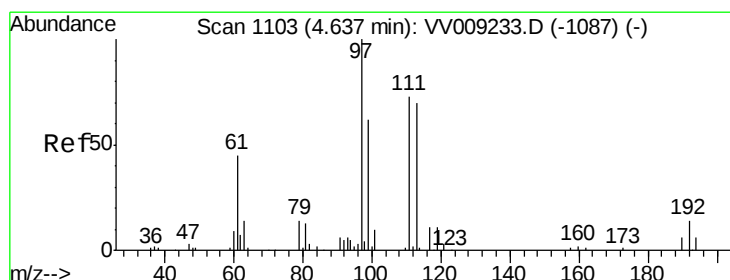
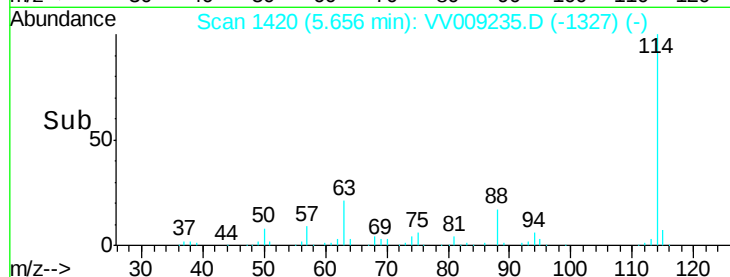
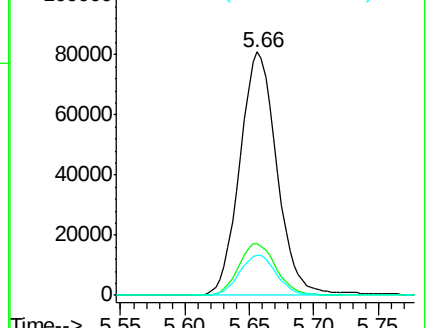
88 16.6 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VV0

Ion 87.90 (87.60 to 88.60): VV0



#35

Dibromofluoromethane

Concen: 148.626 ug/l

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

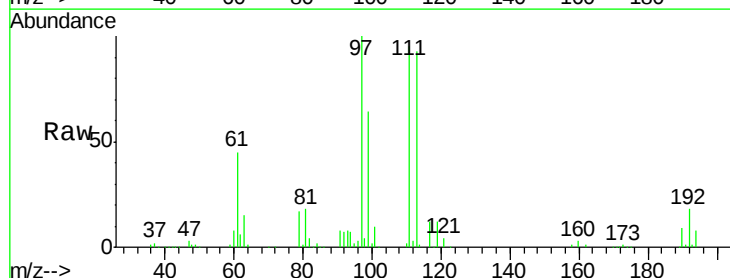
Tgt Ion:113 Resp: 159146

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

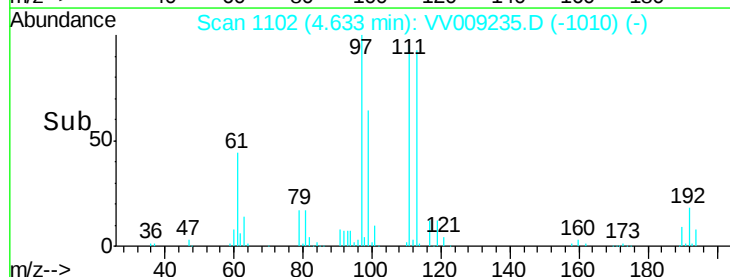
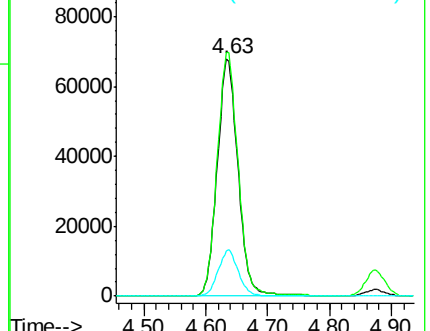
192 18.9 15.0 22.6

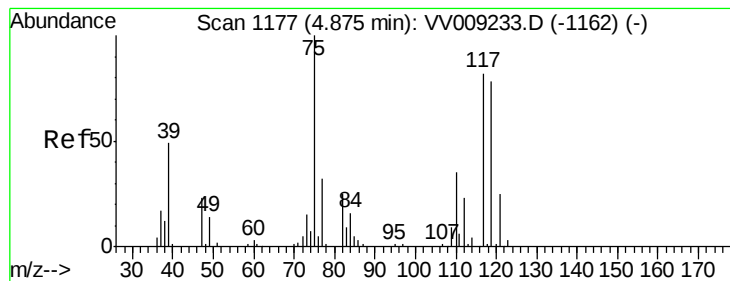


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 147.509 ug/l

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

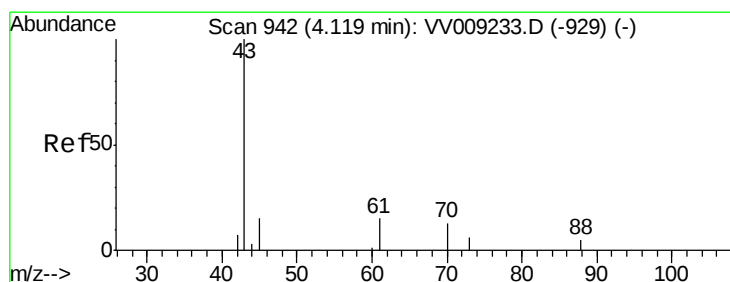
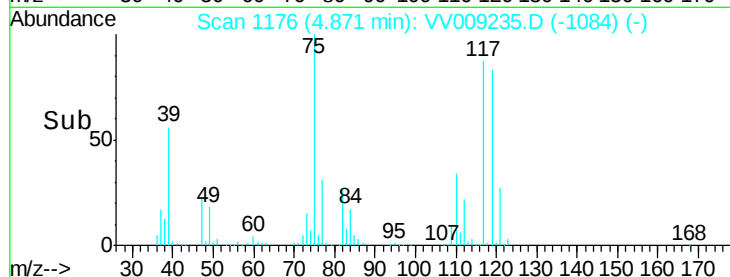
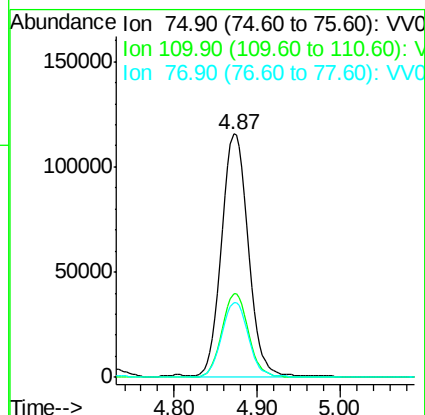
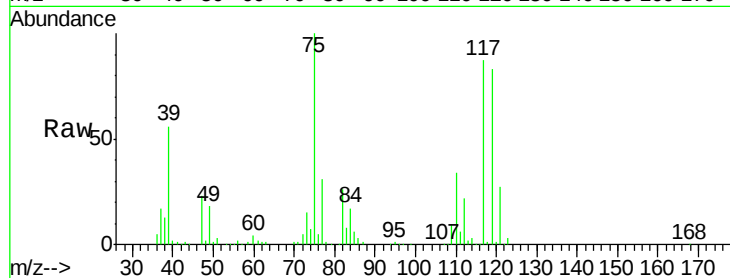
Tot Ion: 75 Resp: 257871

Ion Ratio Lower Upper

75 100

110 34.2 17.5 52.5

77 30.8 25.5 38.3



#37

Ethyl Acetate

Concen: 153.923 ug/l

RT: 4.11 min Scan# 940

Delta R.T. -0.01 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

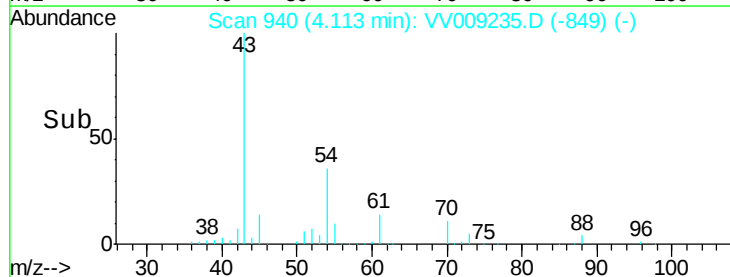
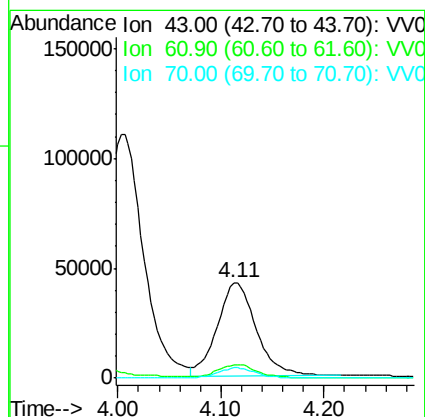
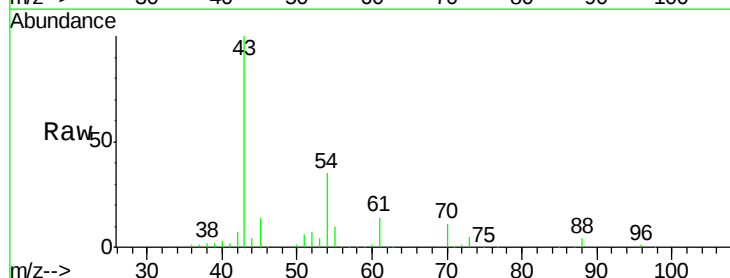
Tgt Ion: 43 Resp: 112396

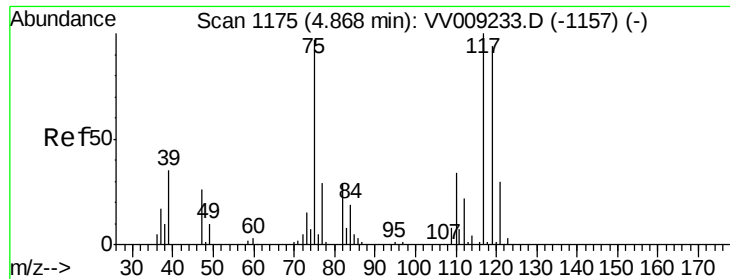
Ion Ratio Lower Upper

43 100

61 13.3 12.0 18.0

70 10.6 8.7 13.1





#38

Carbon Tetrachloride

Concen: 150.706 ug/l

RT: 4.86 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

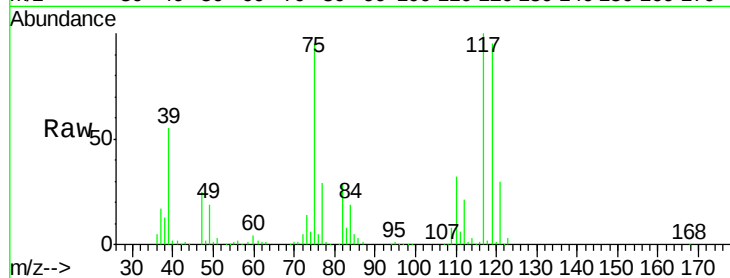
Tot Ion:117 Resp: 261796

Ion Ratio Lower Upper

117 100

119 94.8 75.4 113.2

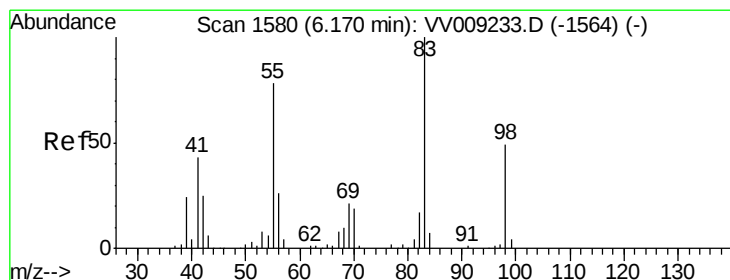
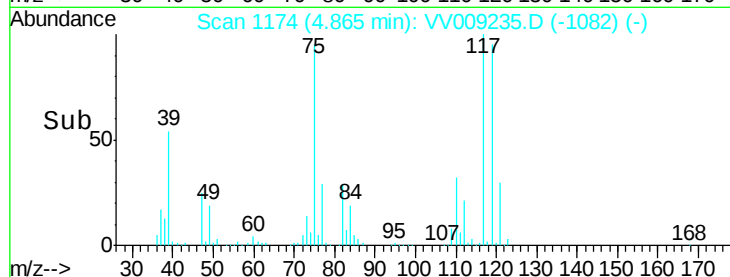
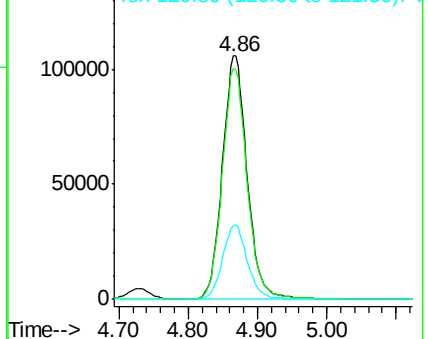
121 30.4 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 156.350 ug/l

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

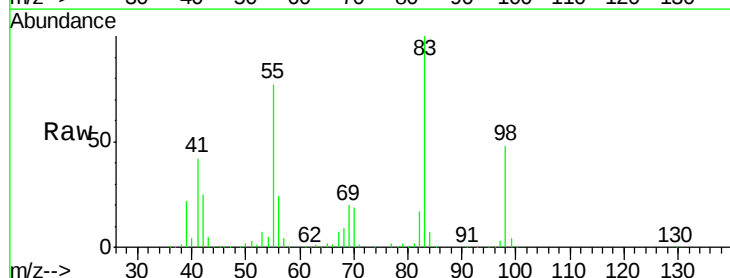
Tgt Ion: 83 Resp: 314524

Ion Ratio Lower Upper

83 100

55 76.7 62.8 94.2

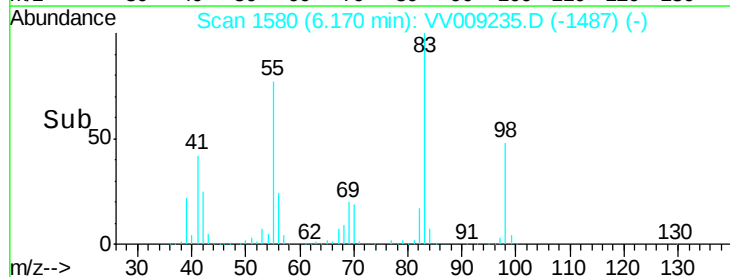
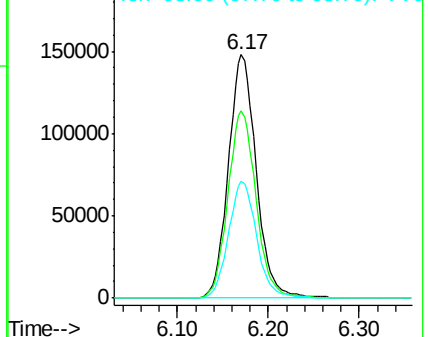
98 47.9 39.1 58.7

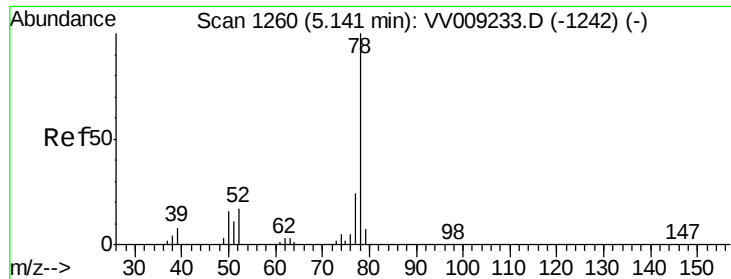


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

Benzene

Concen: 147.078 ug/l

RT: 5.14 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

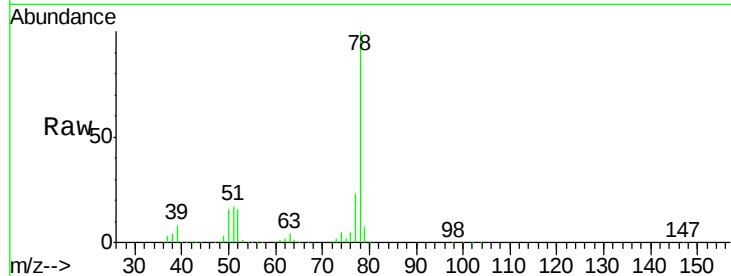
VSTDIC150

Tot Ion: 78 Resp: 726294

Ion Ratio Lower Upper

78 100

77 23.4 19.4 29.2



Abundance Ion 78.00 (77.70 to 78.70): VV009233.D (-1242) (-)

Ion 77.00 (76.70 to 77.70): VV009233.D (-1242) (-)

5.14

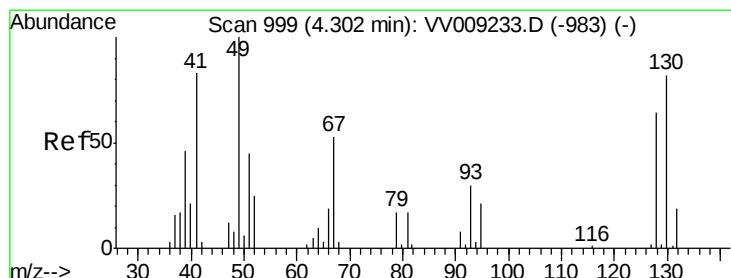
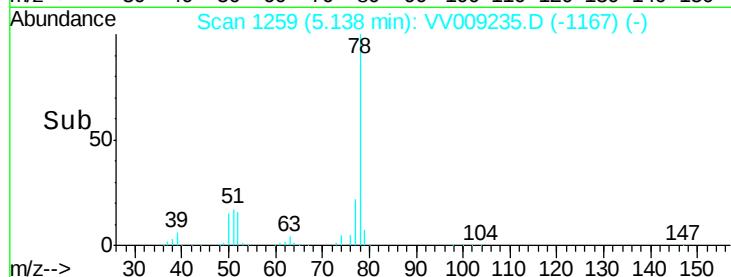
300000

200000

100000

0

Time-->



#41

Methacrylonitrile

Concen: 151.978 ug/l

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Tgt Ion: 41 Resp: 64983

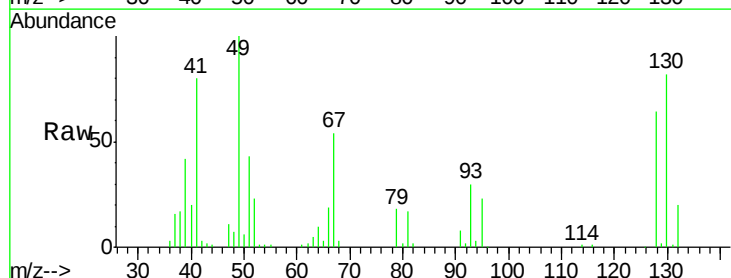
Ion Ratio Lower Upper

41 100

39 52.9 45.4 68.0

67 72.9 55.5 83.3

52 28.1 25.2 37.8



Abundance Ion 41.00 (40.70 to 41.70): VV009233.D (-983) (-)

Ion 39.00 (38.70 to 39.70): VV009233.D (-983) (-)

Ion 67.00 (66.70 to 67.70): VV009233.D (-983) (-)

Ion 52.00 (51.70 to 52.70): VV009233.D (-983) (-)

50000

40000

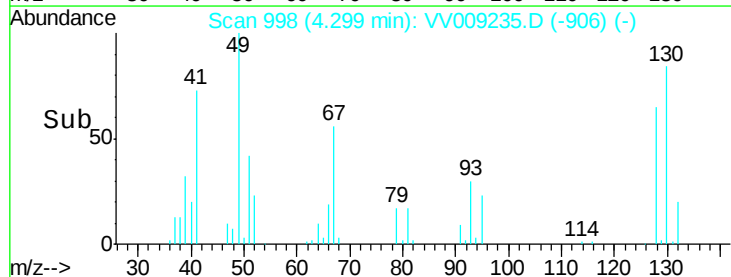
30000

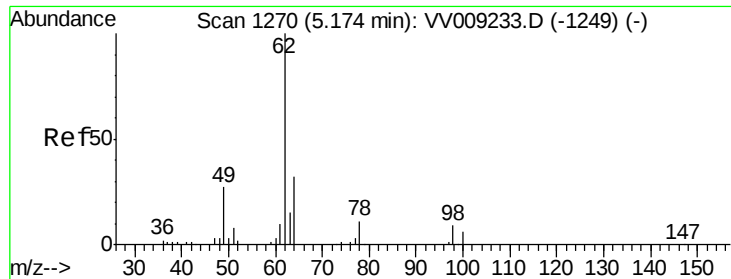
20000

10000

0

Time-->





#42

1,2-Dichloroethane

Concen: 136.428 ug/l

RT: 5.17 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

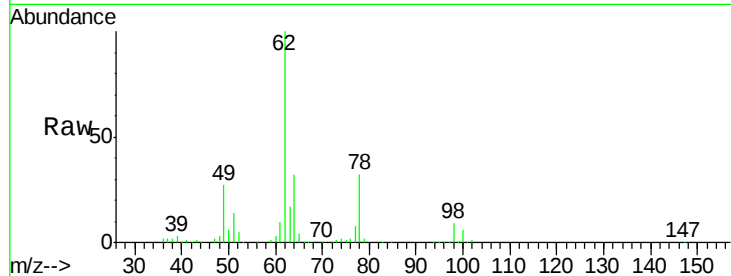
VSTDIC150

Tot Ion: 62 Resp: 224771

Ion Ratio Lower Upper

62 100

98 8.9 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

120000

100000

80000

60000

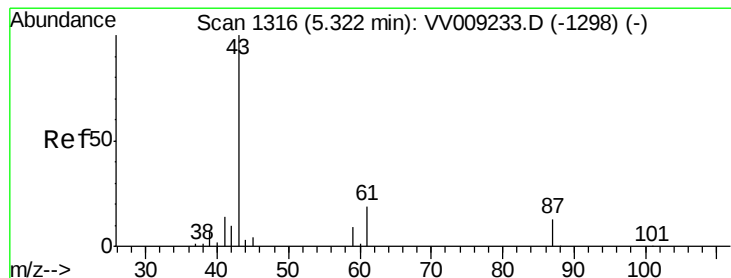
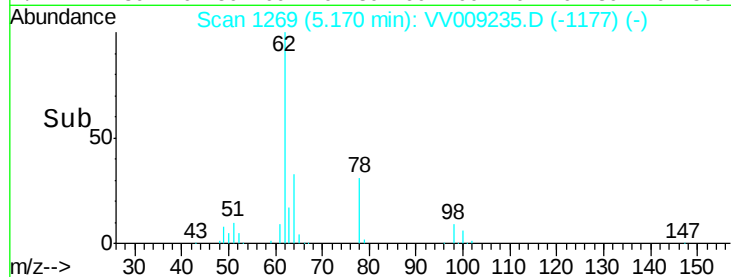
40000

20000

0

5.00 5.10 5.20 5.30

Time-->



#43

Isopropyl Acetate

Concen: 148.116 ug/l

RT: 5.32 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

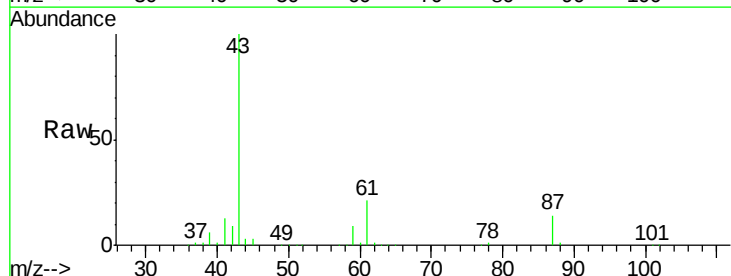
Tgt Ion: 43 Resp: 214918

Ion Ratio Lower Upper

43 100

61 20.5 15.4 23.0

87 13.1 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

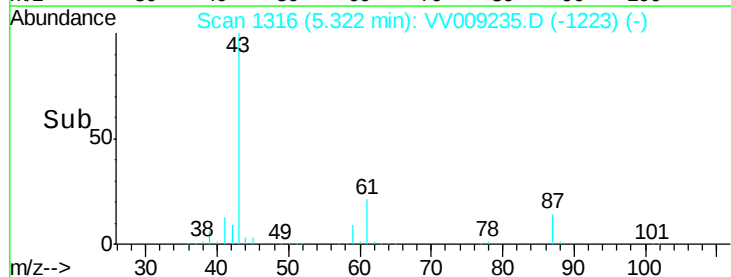
100000

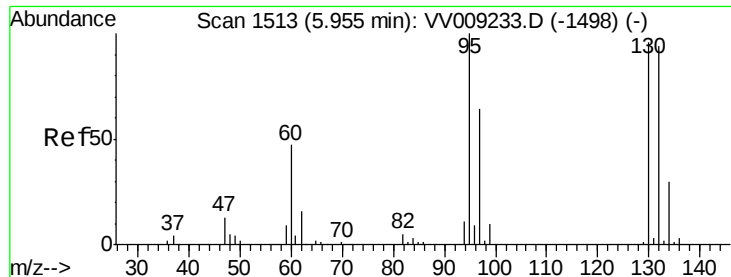
50000

0

5.20 5.30 5.40 5.50

Time-->

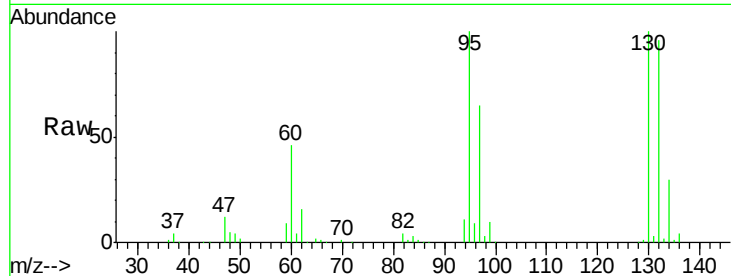




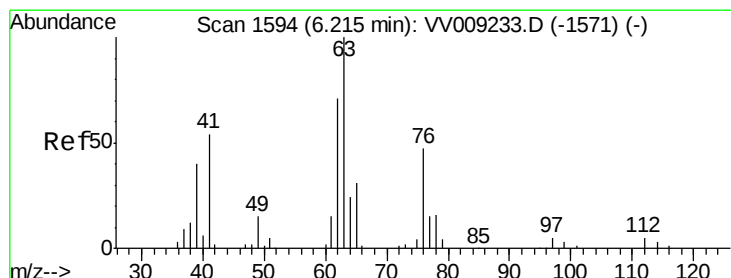
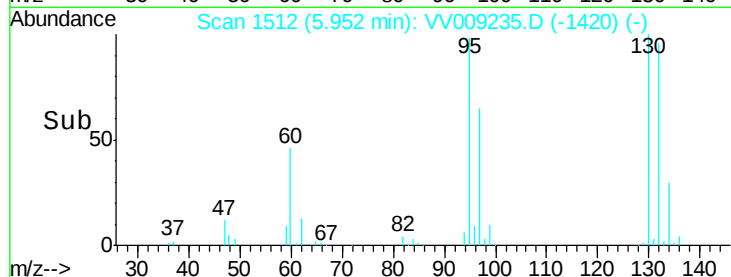
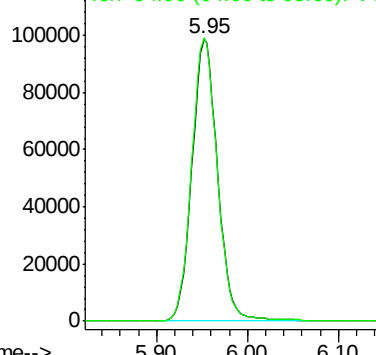
#44
 Trichloroethene
 Concen: 151.653 ug/l
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 192803
 Ion Ratio Lower Upper
 130 100
 95 100.3 0.0 208.2

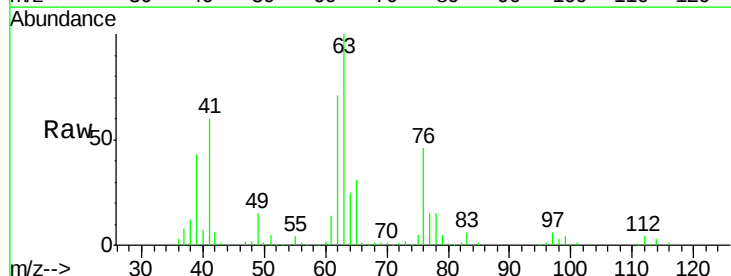


Abundance Ion 129.80 (129.50 to 130.50): VV009235.D (-1420) (-)

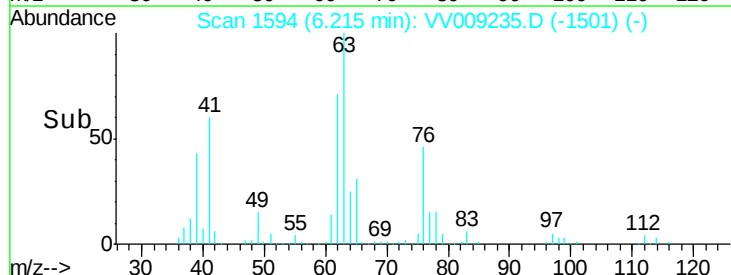
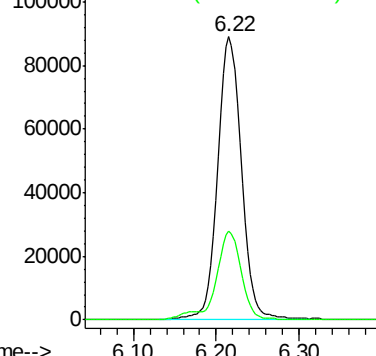


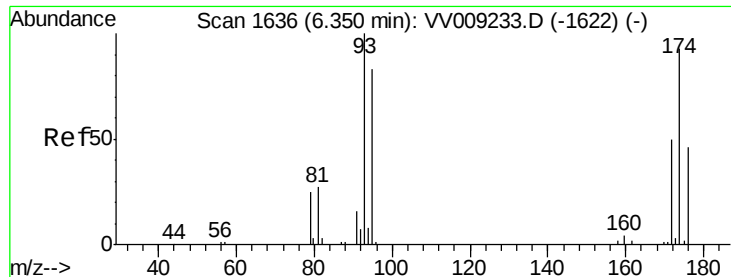
#45
 1,2-Dichloropropane
 Concen: 148.008 ug/l
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Tgt Ion: 63 Resp: 178112
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VV009235.D (-1501) (-)





#46

Dibromomethane

Concen: 144.615 ug/l

RT: 6.35 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

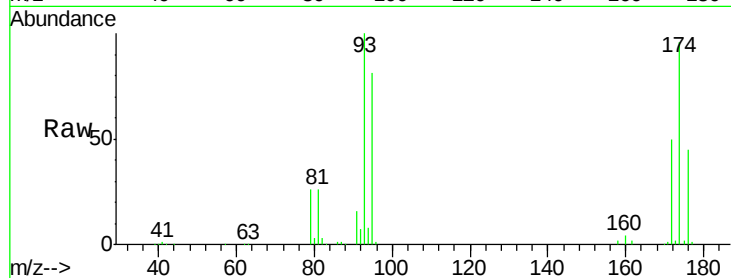
Tot Ion: 93 Resp: 94826

Ion Ratio Lower Upper

93 100

95 82.6 64.6 97.0

174 95.5 74.0 111.0



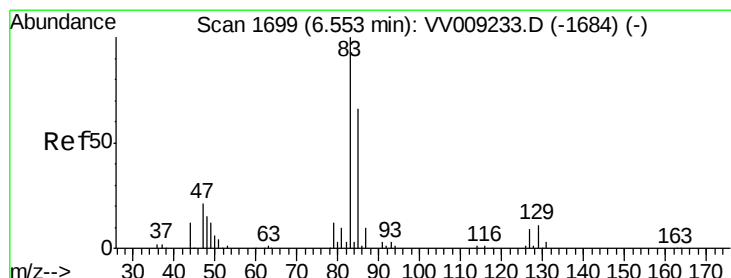
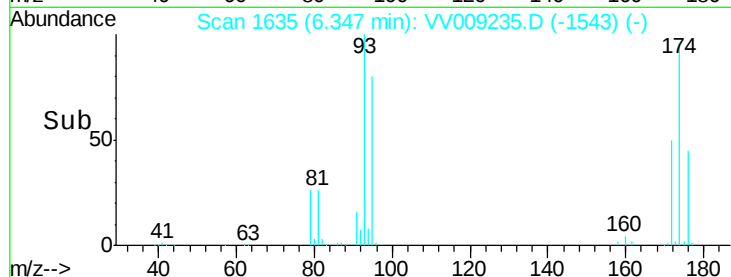
Abundance Ion 92.80 (92.50 to 93.50): VV009235.D (-1622) (-)

Ion 94.80 (94.50 to 95.50): VV009235.D (-1622) (-)

Ion 173.70 (173.40 to 174.40): VV009235.D (-1622) (-)

6.35

Time-->



#47

Bromodichloromethane

Concen: 145.370 ug/l

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

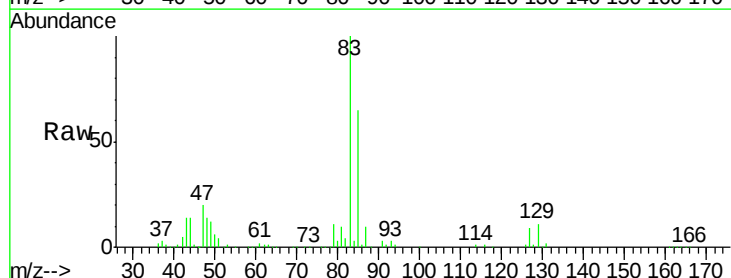
Tgt Ion: 83 Resp: 248667

Ion Ratio Lower Upper

83 100

85 65.1 52.6 78.8

127 8.5 7.0 10.6



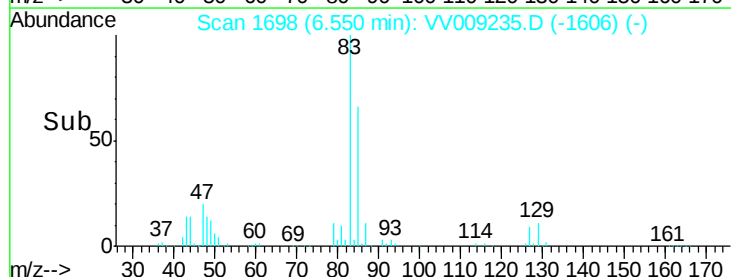
Abundance Ion 82.90 (82.60 to 83.60): VV009235.D (-1606) (-)

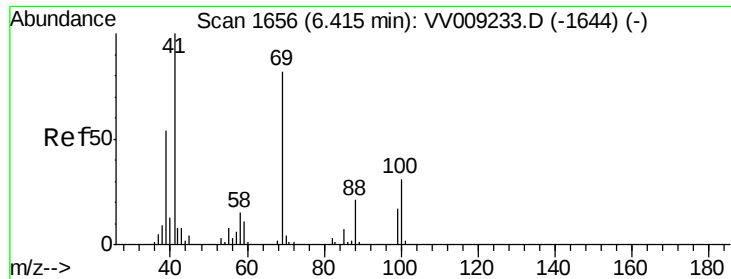
Ion 84.90 (84.60 to 85.60): VV009235.D (-1606) (-)

Ion 126.80 (126.50 to 127.50): VV009235.D (-1606) (-)

6.55

Time-->

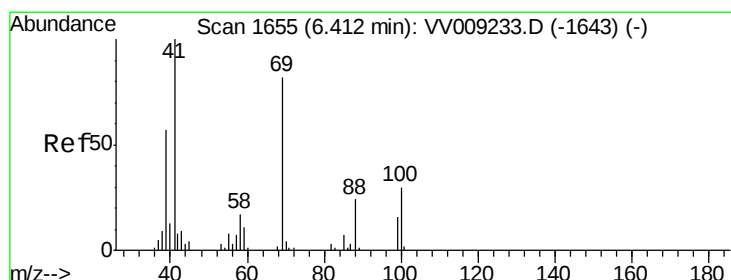
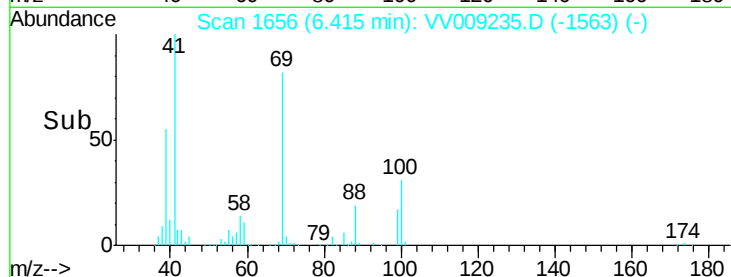
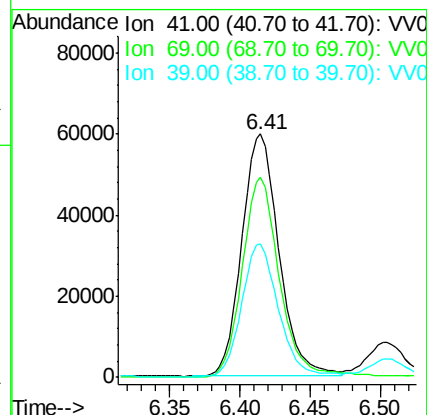
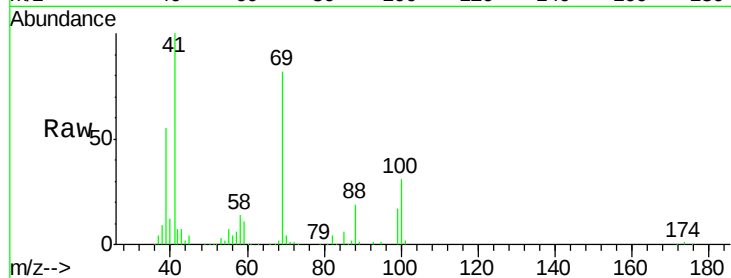




#48
Methvl methacrylate
Concen: 150.255 ug/l
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

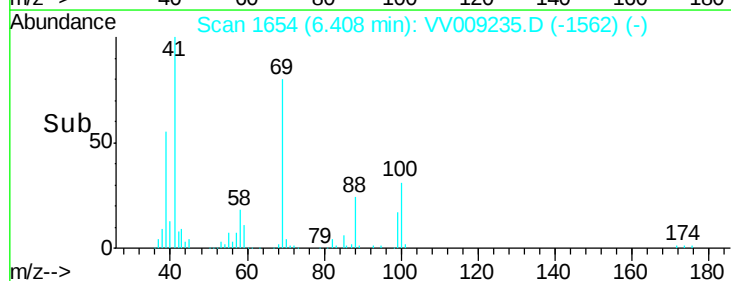
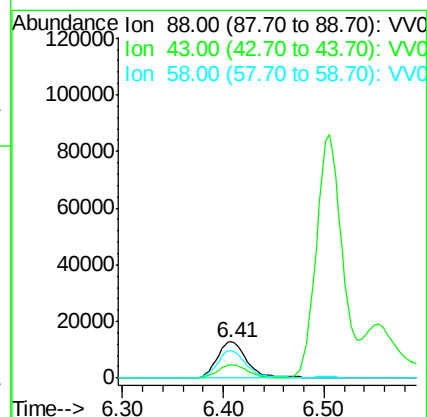
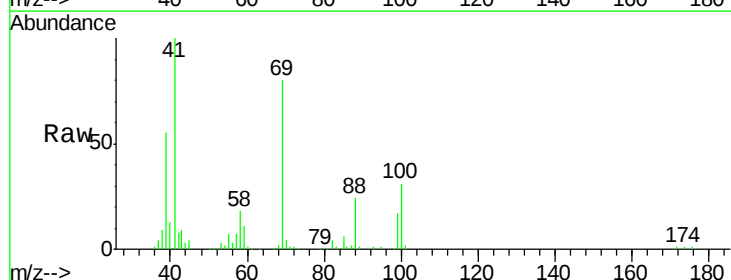
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

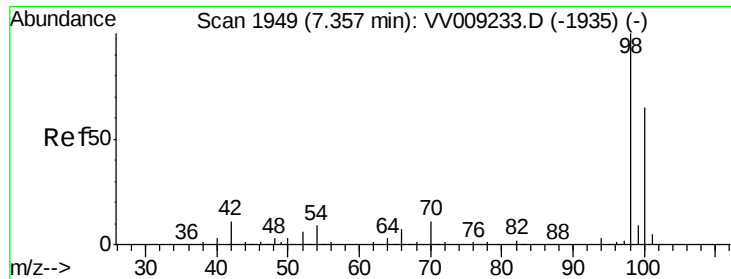
Tot Ion: 41 Resp: 110502
Ion Ratio Lower Upper
41 100
69 83.5 65.8 98.6
39 54.3 43.4 65.0



#49
1,4-Dioxane
Concen: 3099.437 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt Ion: 88 Resp: 26368
Ion Ratio Lower Upper
88 100
43 38.3 31.9 47.9
58 74.6 62.0 93.0





#50

Toluene-d8

Concen: 150.798 ug/l

RT: 7.36 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

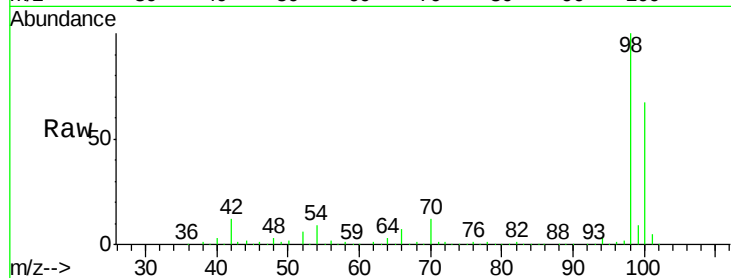
VSTDIC150

Tot Ion: 98 Resp: 620861

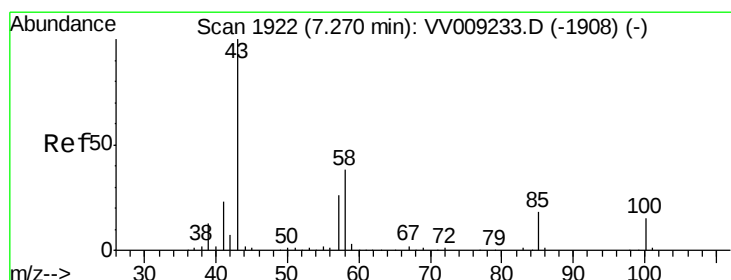
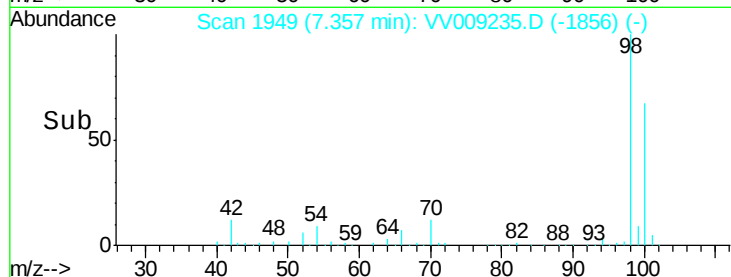
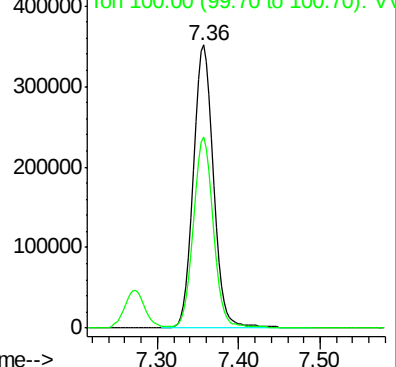
Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VV009235.D (-1856) (-)



#51

4-Methyl-2-Pentanone

Concen: 747.632 ug/l

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV009235.D

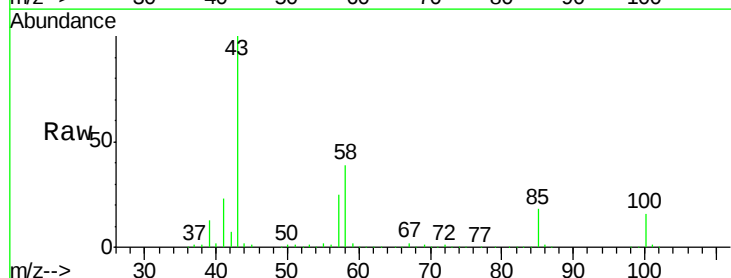
Acq: 22 Jan 2019 14:20

Tgt Ion: 43 Resp: 542650

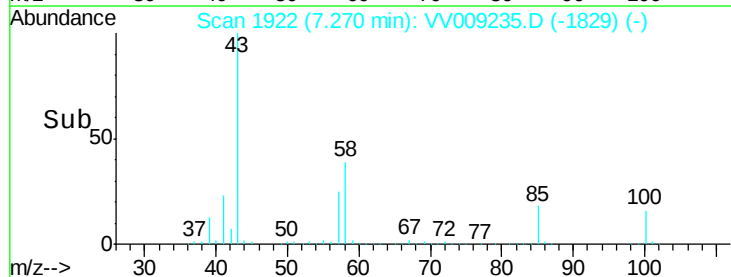
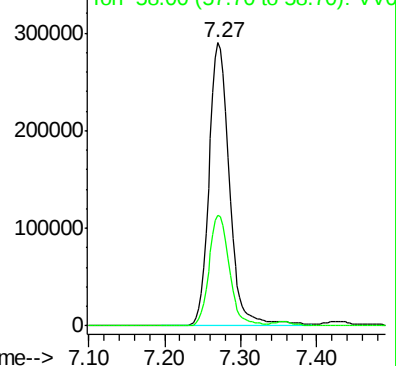
Ion Ratio Lower Upper

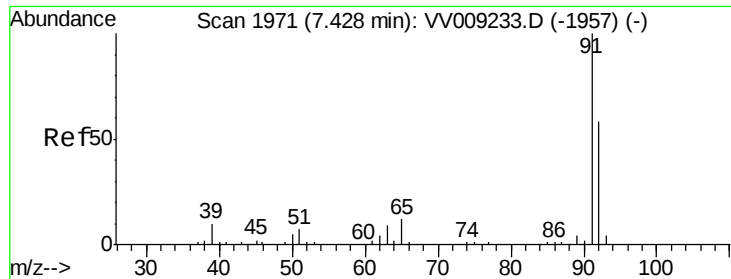
43 100

58 38.7 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VV009235.D (-1829) (-)





#52

Toluene

Concen: 150.650 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

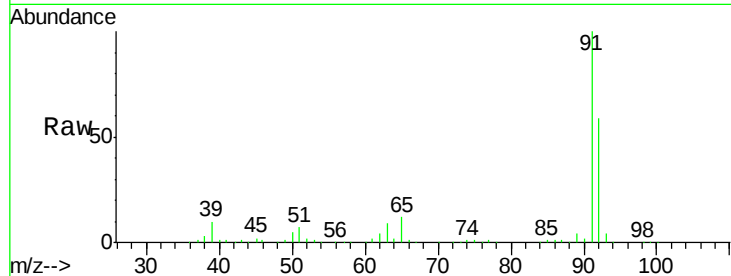
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion: 92 Resp: 466937

Ion Ratio Lower Upper

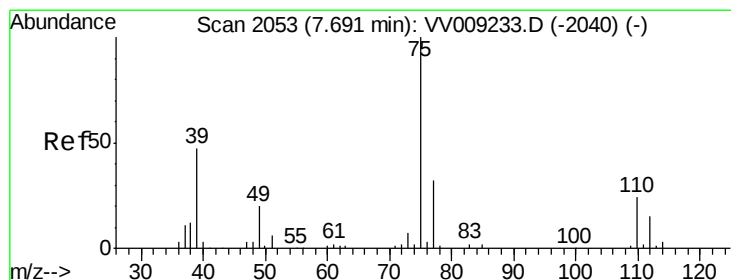
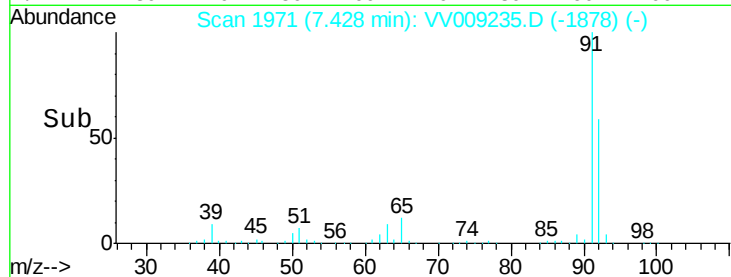
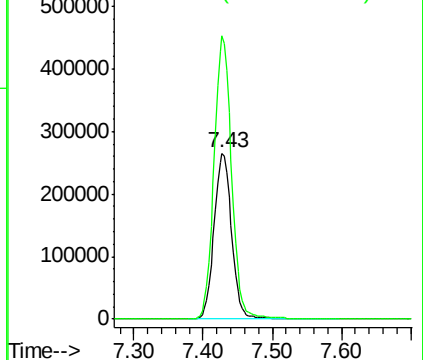
92 100

91 170.0 137.2 205.8



Abundance Ion 92.00 (91.70 to 92.70): VV009235.D (-1878) (-)

Ion 91.00 (90.70 to 91.70): VV009235.D (-1878) (-)



#53

t-1,3-Dichloropropene

Concen: 153.356 ug/l

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009235.D

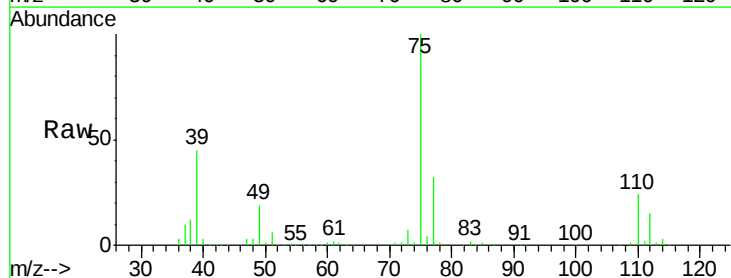
Acq: 22 Jan 2019 14:20

Tgt Ion: 75 Resp: 255219

Ion Ratio Lower Upper

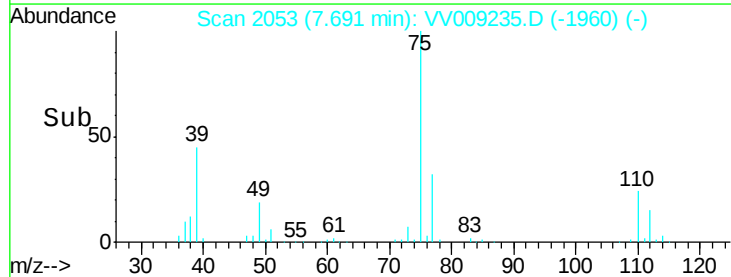
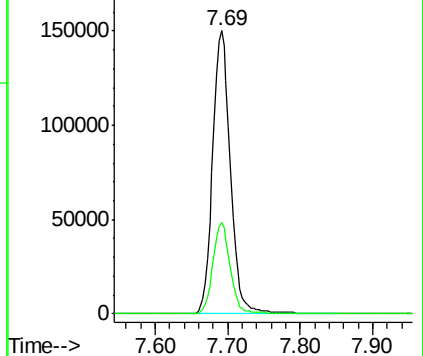
75 100

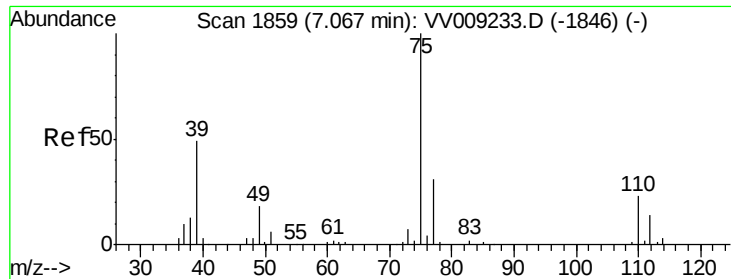
77 32.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VV009235.D (-1960) (-)

Ion 76.90 (76.60 to 77.60): VV009235.D (-1960) (-)



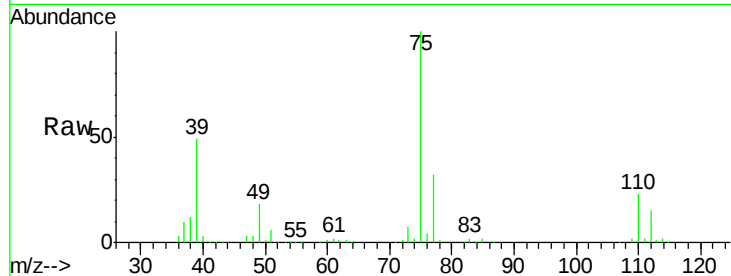


#54

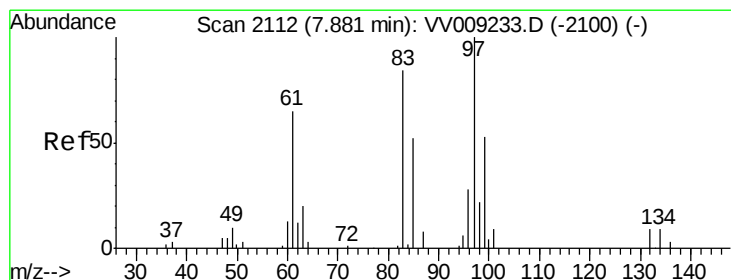
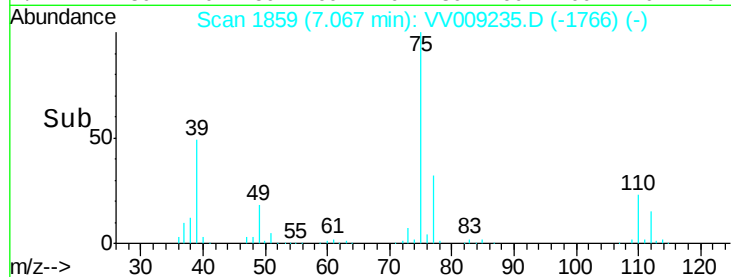
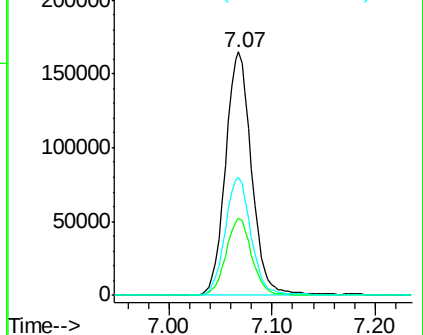
cis-1,3-Dichloropropene
Concen: 154.016 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 290412
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 48.6 38.8 58.2



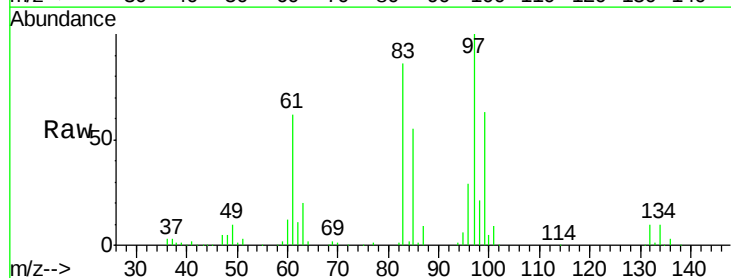
Abundance Ion 74.90 (74.60 to 75.60): VV0
Ion 76.90 (76.60 to 77.60): VV0
Ion 39.00 (38.70 to 39.70): VV0



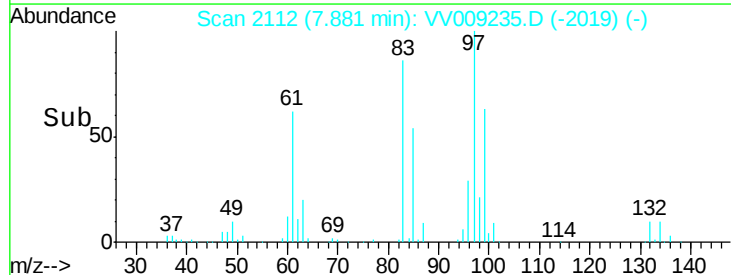
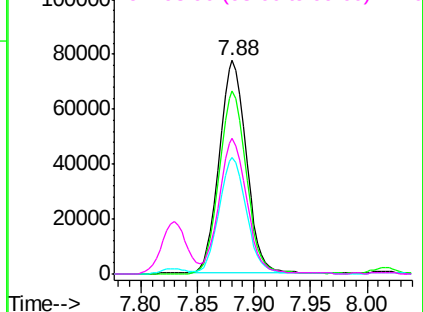
#55

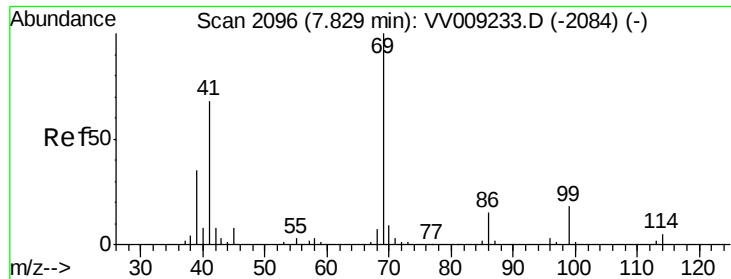
1,1,2-Trichloroethane
Concen: 146.000 ug/l
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt Ion: 97 Resp: 129714
Ion Ratio Lower Upper
97 100
83 85.7 67.4 101.0
85 54.6 42.6 64.0
99 63.2 51.1 76.7



Abundance Ion 96.90 (96.60 to 97.60): VV0
Ion 82.90 (82.60 to 83.60): VV0
Ion 84.90 (84.60 to 85.60): VV0
Ion 98.90 (98.60 to 99.60): VV0





#56

Ethyl methacrylate

Concen: 159.555 ug/l

RT: 7.83 min Scan# 2096

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

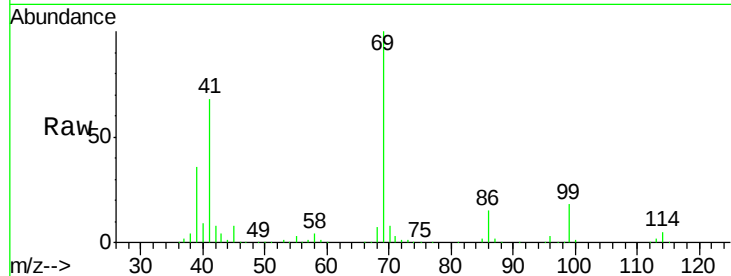
Tot Ion: 69 Resp: 171723

Ion Ratio Lower Upper

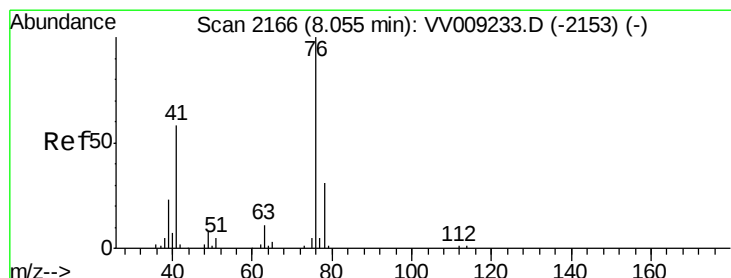
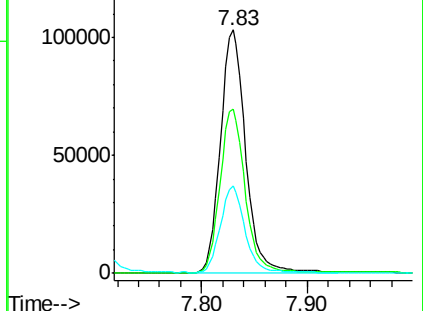
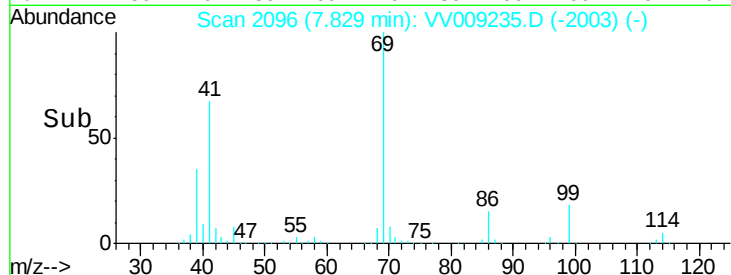
69 100

41 67.1 54.0 81.0

39 34.2 26.8 40.2



Abundance Ion 69.00 (68.70 to 69.70): VV009235.D (-2003) (-)



#57

1,3-Dichloropropane

Concen: 145.591 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VV009235.D

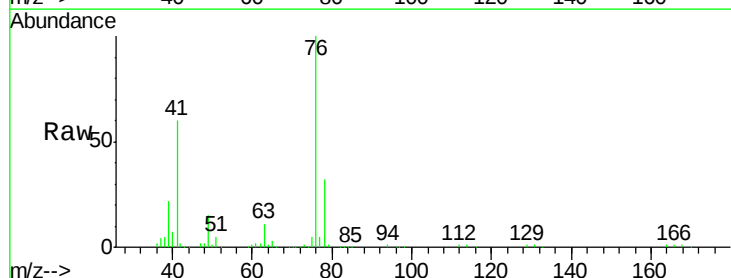
Acq: 22 Jan 2019 14:20

Tgt Ion: 76 Resp: 238432

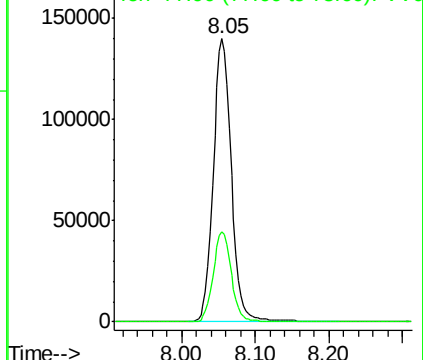
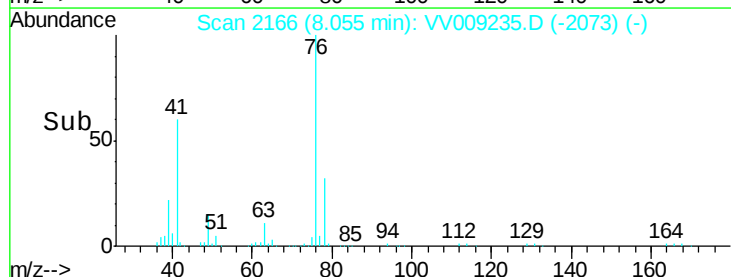
Ion Ratio Lower Upper

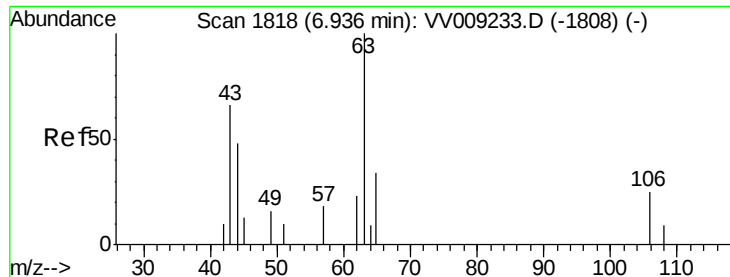
76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VV009235.D (-2073) (-)

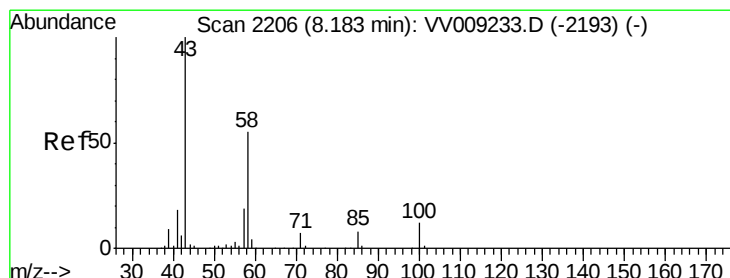
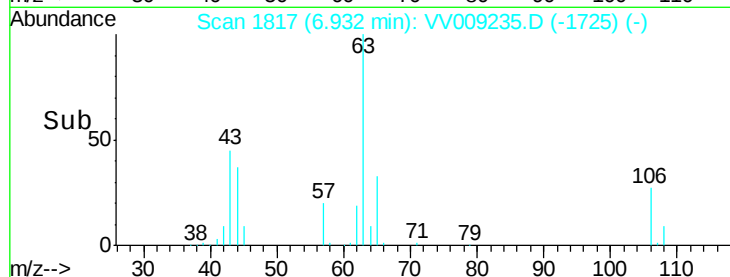
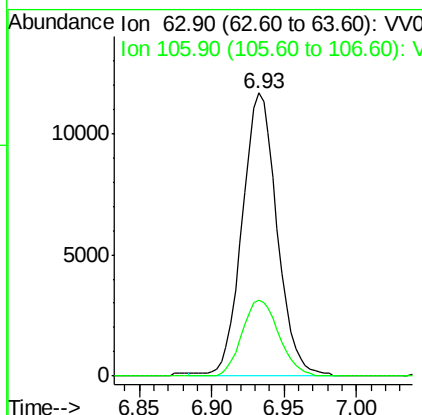
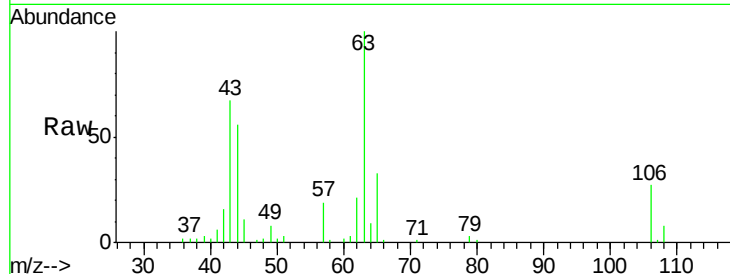




#58
2-Chloroethyl Vinyl ether
Concen: 946.134 ug/l
RT: 6.93 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

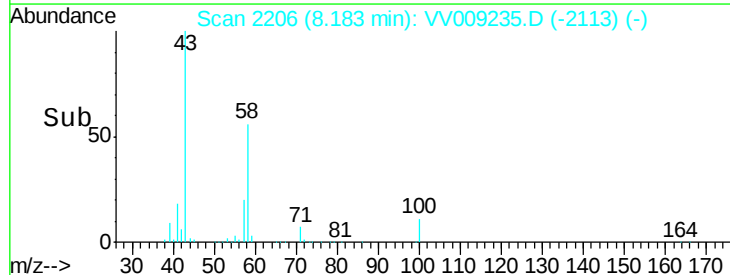
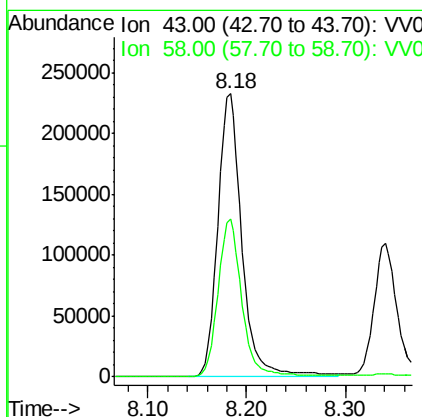
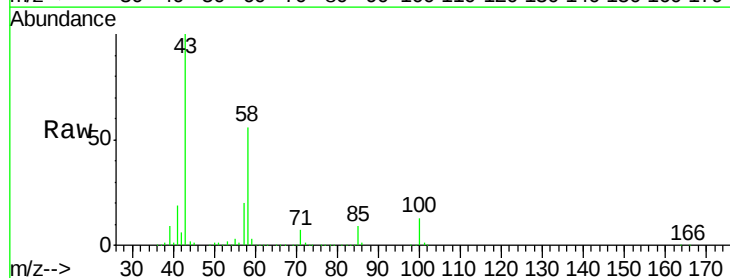
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

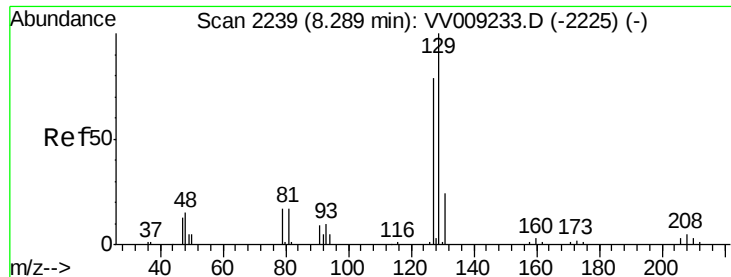
Tot Ion: 63 Resp: 19596
Ion Ratio Lower Upper
63 100
106 28.2 19.0 28.6



#59
2-Hexanone
Concen: 743.056 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt Ion: 43 Resp: 399760
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.5





#60

Dibromochloromethane

Concen: 154.529 ug/l

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

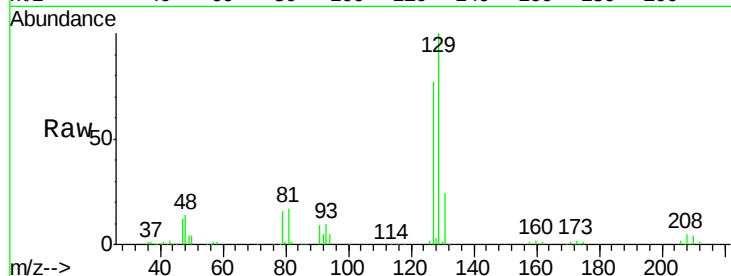
VSTDIC150

Tot Ion:129 Resp: 163471

Ion Ratio Lower Upper

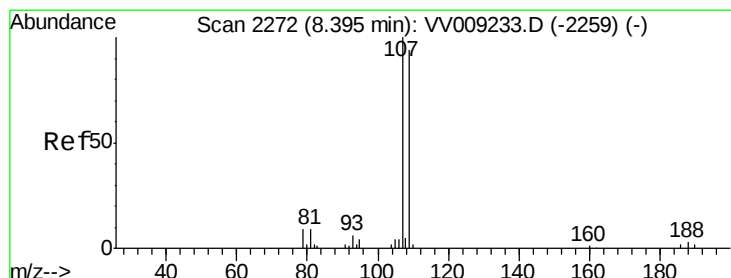
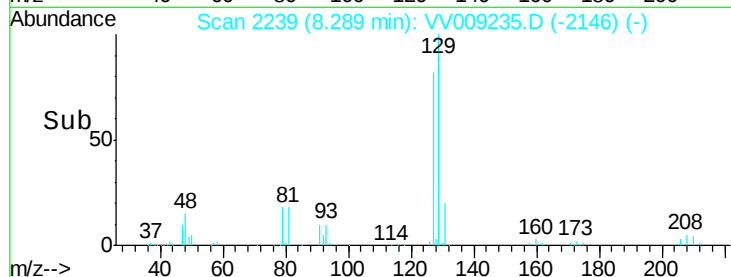
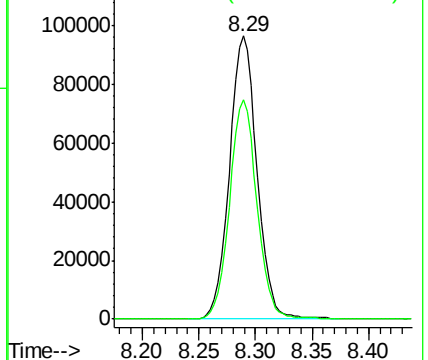
129 100

127 77.0 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 150.497 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009235.D

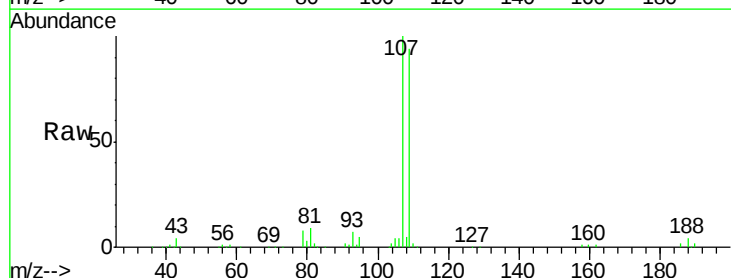
Acq: 22 Jan 2019 14:20

Tgt Ion:107 Resp: 132502

Ion Ratio Lower Upper

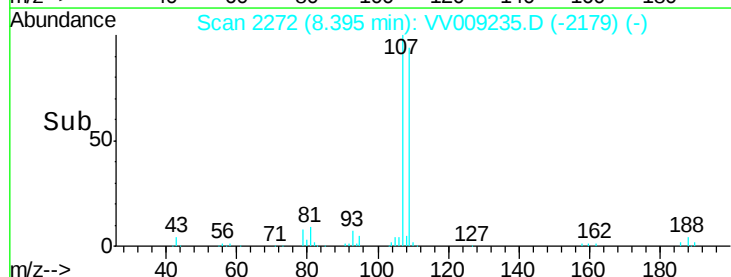
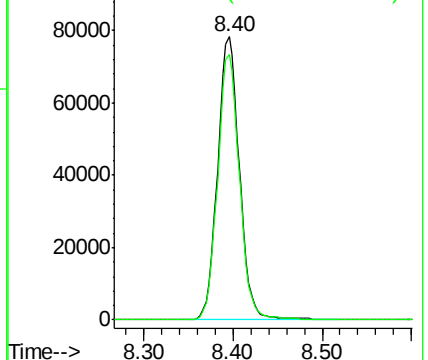
107 100

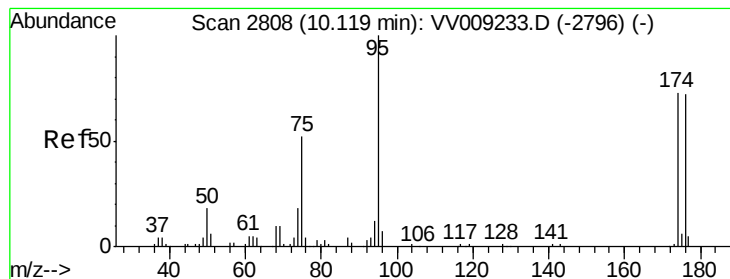
109 93.8 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 149.064 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

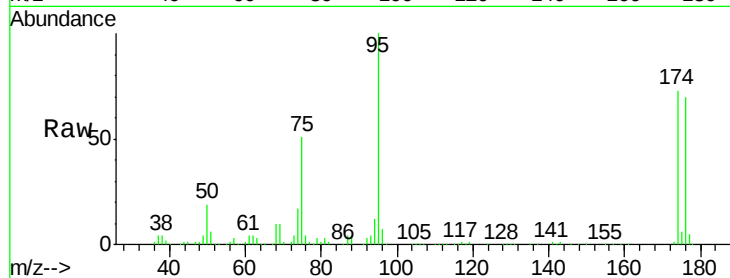
Tot Ion: 95 Resp: 235824

Ion Ratio Lower Upper

95 100

174 73.7 0.0 148.2

176 70.8 0.0 143.0



Abundance Ion 94.90 (94.60 to 95.60): VV009235.D (-2796) (-)

Ion 173.80 (173.50 to 174.50): VV009235.D (-2796) (-)

Ion 175.80 (175.50 to 176.50): VV009235.D (-2796) (-)

10.12

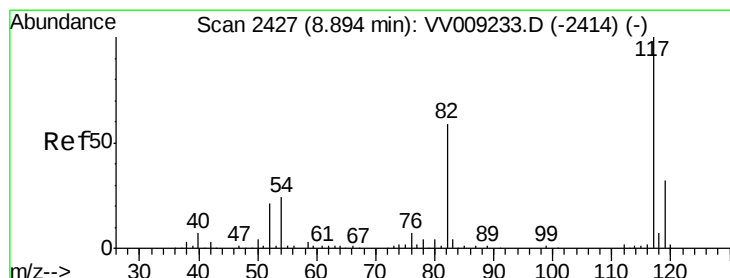
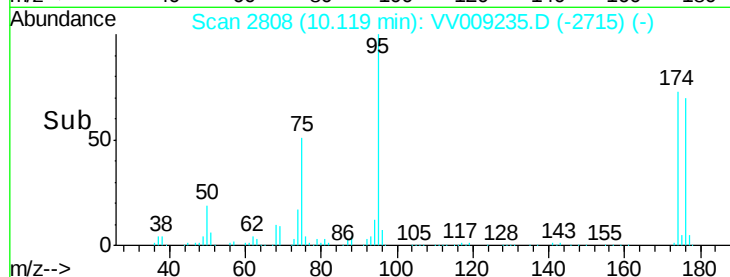
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.89 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

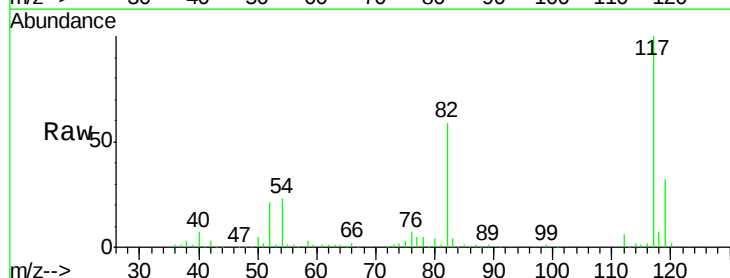
Tgt Ion: 117 Resp: 150015

Ion Ratio Lower Upper

117 100

82 59.2 47.0 70.6

119 32.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VV009235.D (-2414) (-)

Ion 82.00 (81.70 to 82.70): VV009235.D (-2414) (-)

Ion 118.90 (118.60 to 119.60): VV009235.D (-2414) (-)

8.89

120000

100000

80000

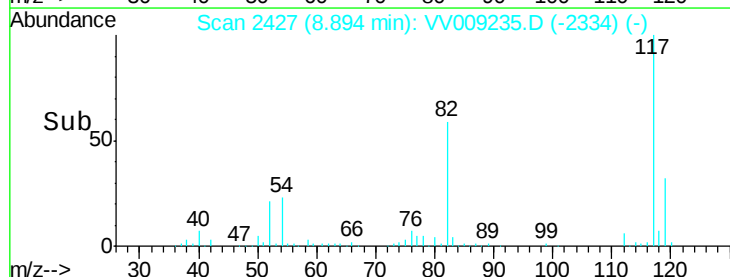
60000

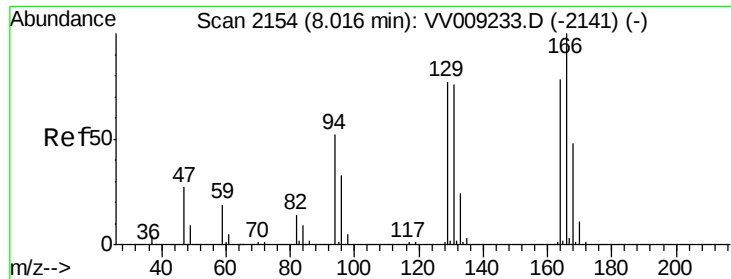
40000

20000

0

Time-->





#64

Tetrachloroethene

Concen: 153.277 ug/l

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 156503

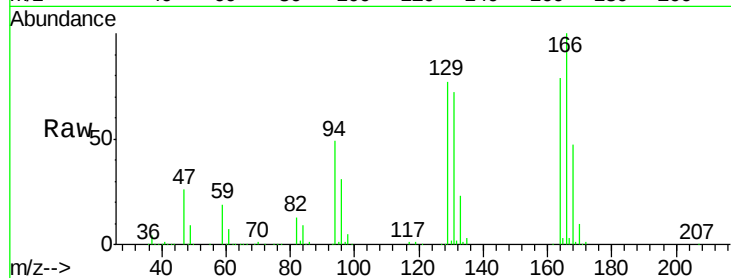
Ion Ratio Lower Upper

164 100

166 127.3 102.1 153.1

129 98.5 78.1 117.1

131 92.3 78.0 117.0

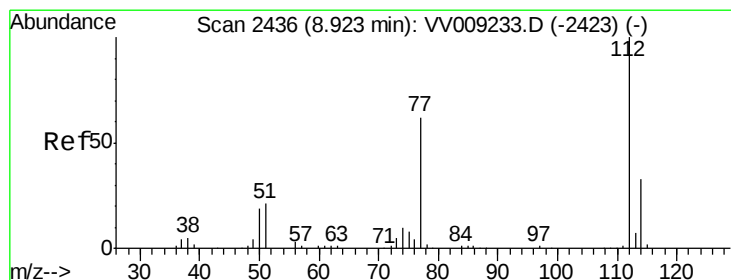
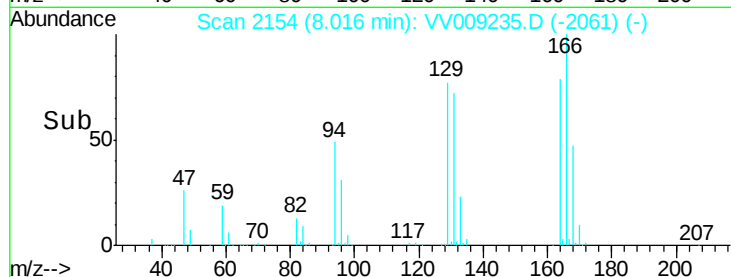
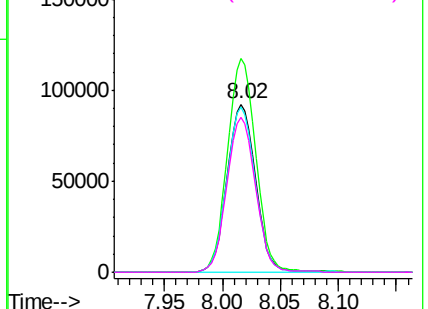


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 147.336 ug/l

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV009235.D

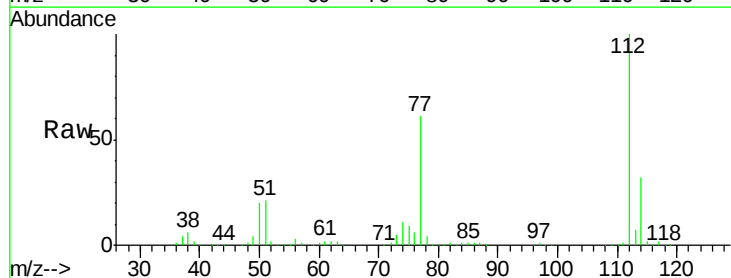
Acq: 22 Jan 2019 14:20

Tgt Ion:112 Resp: 504754

Ion Ratio Lower Upper

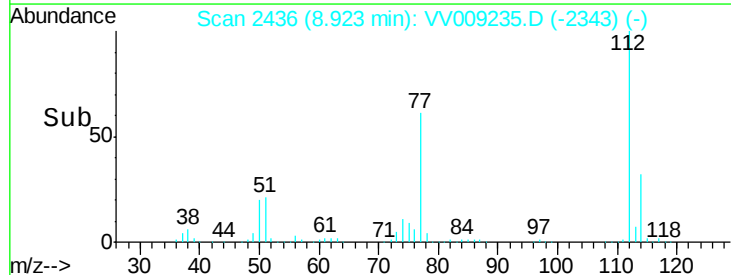
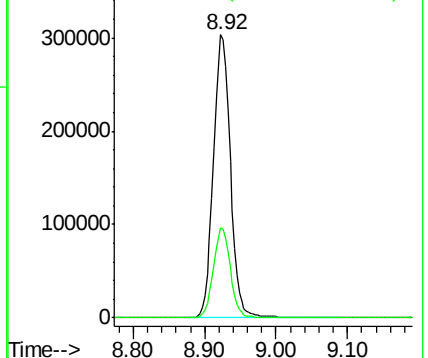
112 100

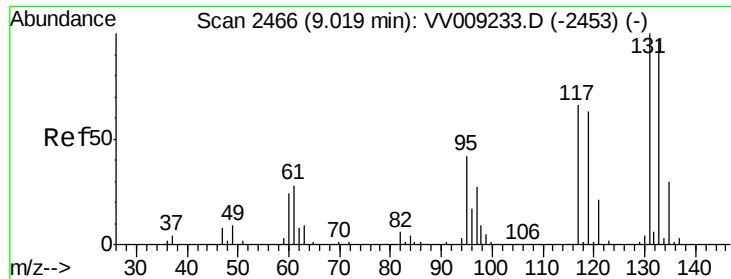
114 32.0 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 150.656 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

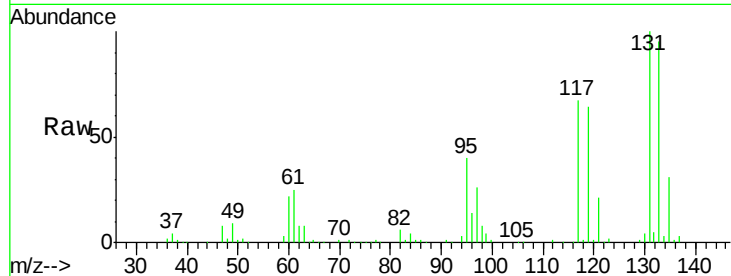
Tot Ion:131 Resp: 177355

Ion Ratio Lower Upper

131 100

133 94.9 48.3 144.9

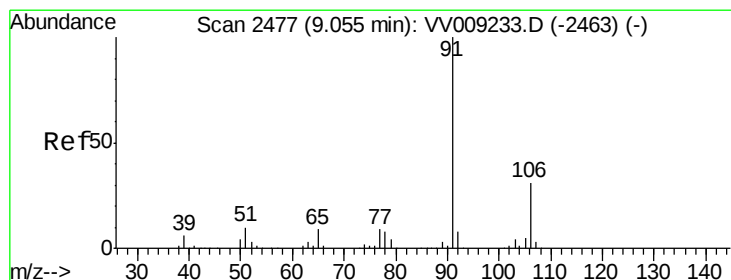
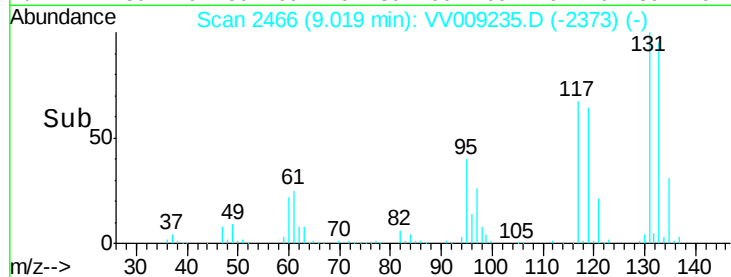
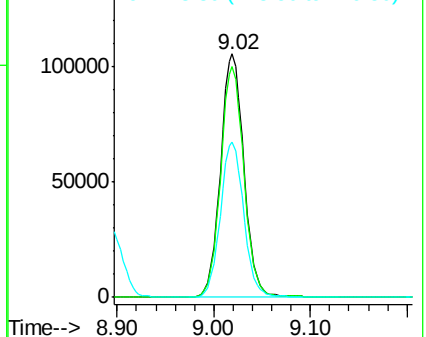
119 63.3 31.2 93.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 150.333 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009235.D

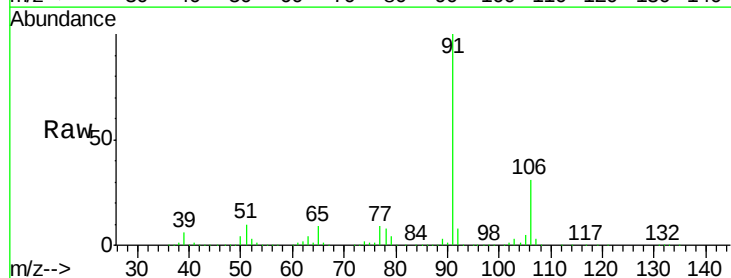
Acq: 22 Jan 2019 14:20

Tgt Ion: 91 Resp: 914916

Ion Ratio Lower Upper

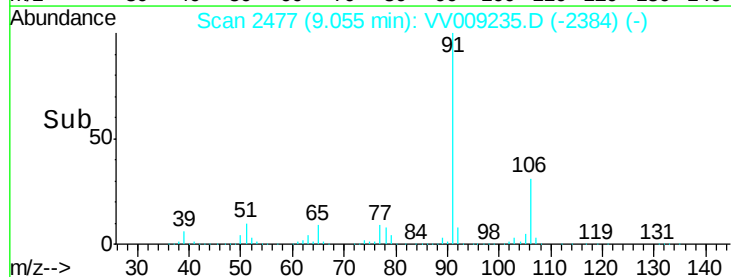
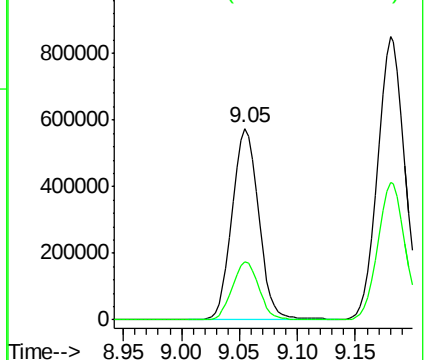
91 100

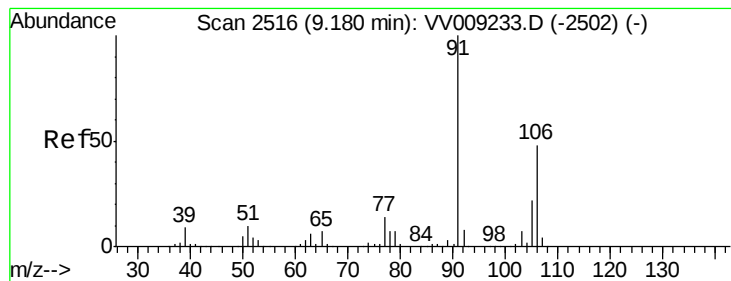
106 30.5 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 301.635 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

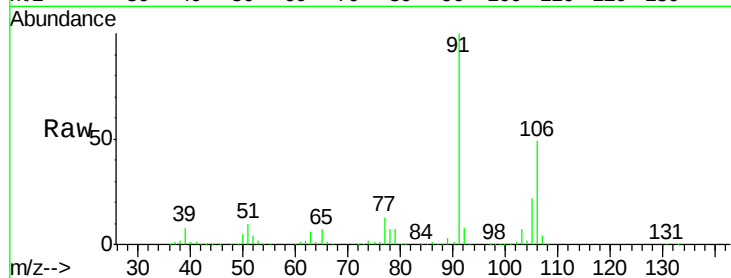
VSTDIC150

Tot Ion:106 Resp: 688773

Ion Ratio Lower Upper

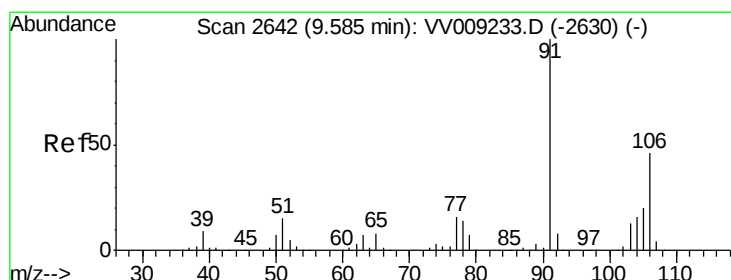
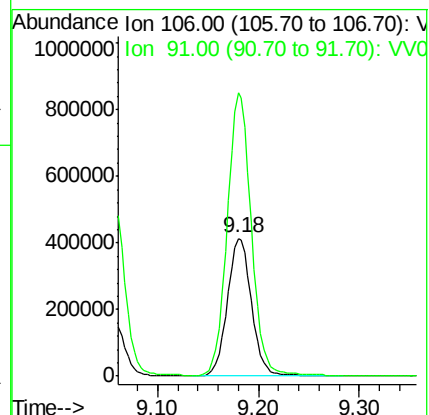
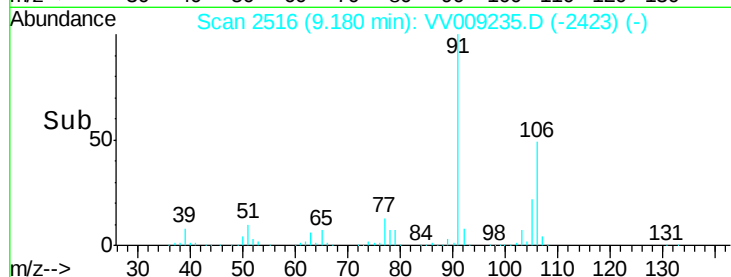
106 100

91 206.4 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#69

o-Xylene

Concen: 154.840 ug/l

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009235.D

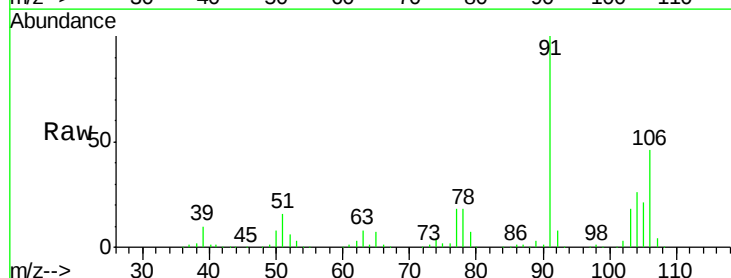
Acq: 22 Jan 2019 14:20

Tgt Ion:106 Resp: 329409

Ion Ratio Lower Upper

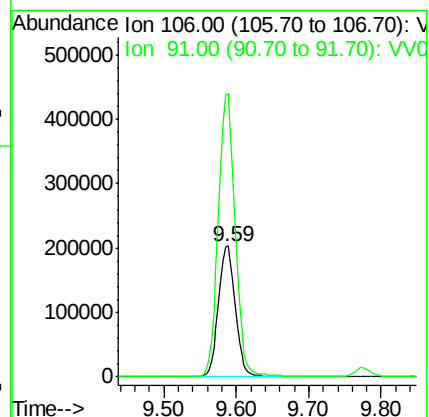
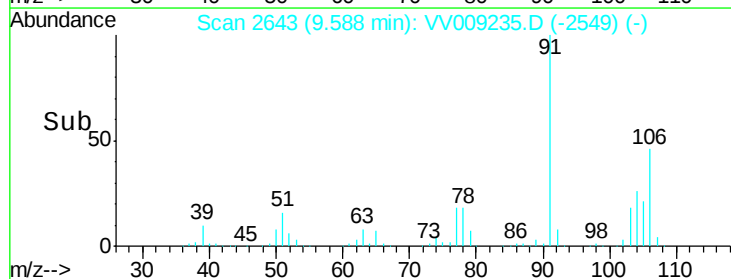
106 100

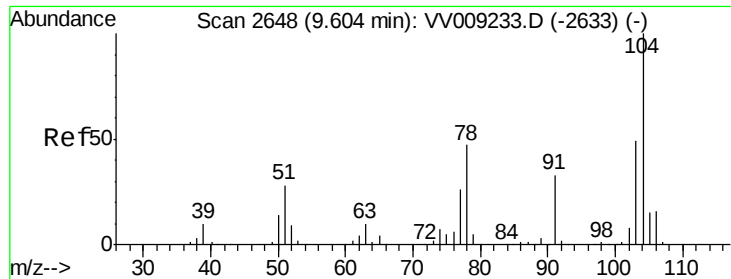
91 216.8 109.3 327.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

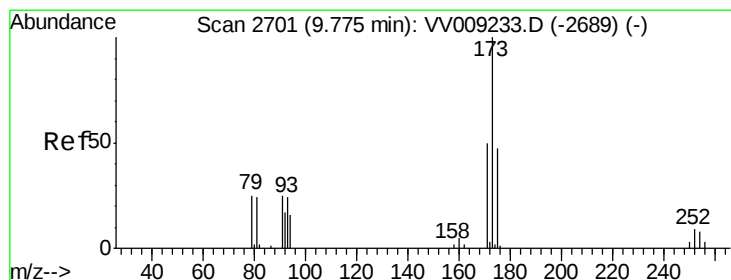
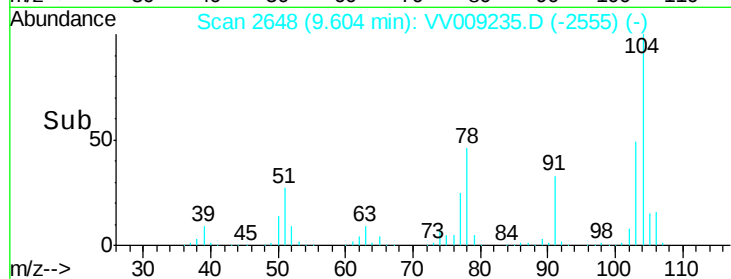
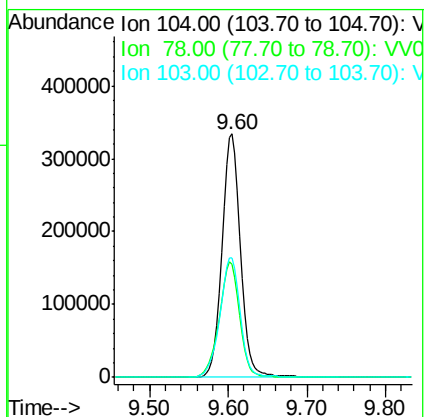
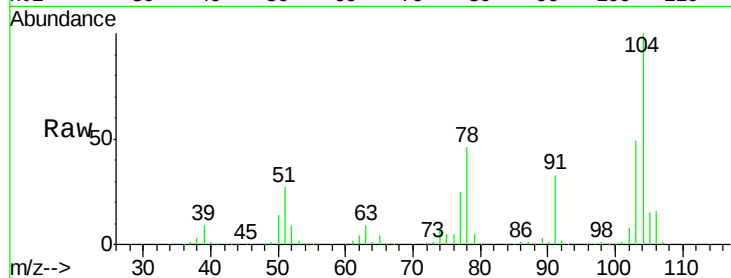




#70
Stvrene
Concen: 156.120 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

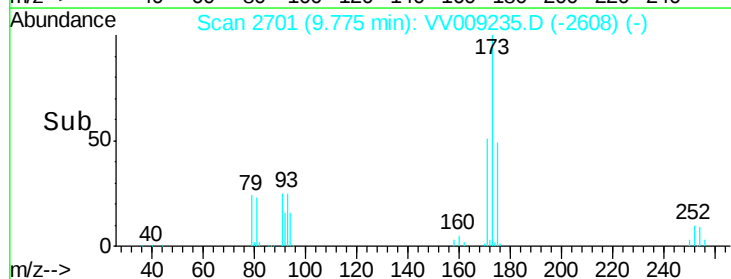
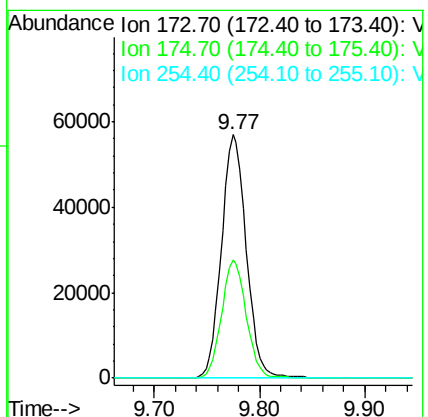
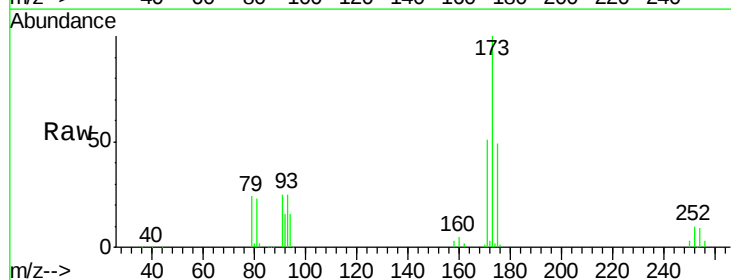
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

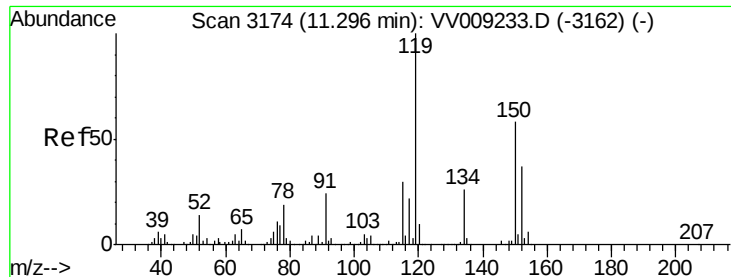
Tot Ion:104 Resp: 541514
Ion Ratio Lower Upper
104 100
78 52.4 43.1 64.7
103 54.1 43.8 65.8



#71
Bromoform
Concen: 161.571 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt Ion:173 Resp: 92923
Ion Ratio Lower Upper
173 100
175 48.2 23.4 70.0
254 0.0 0.0 0.0



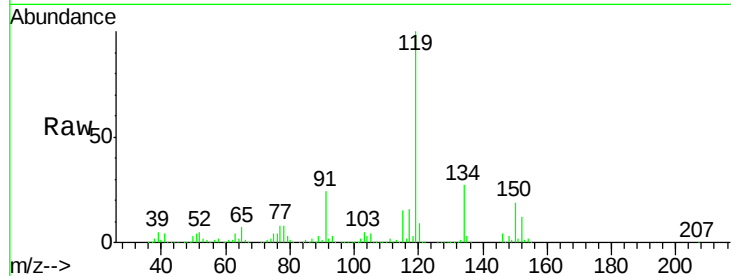


#72

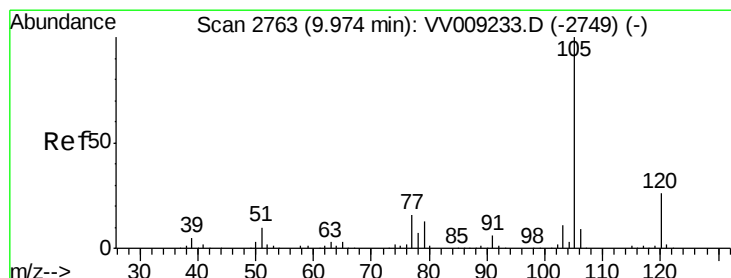
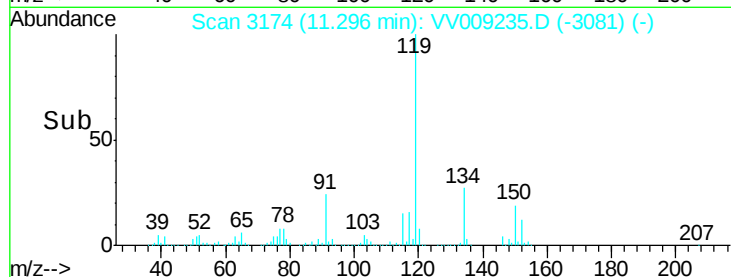
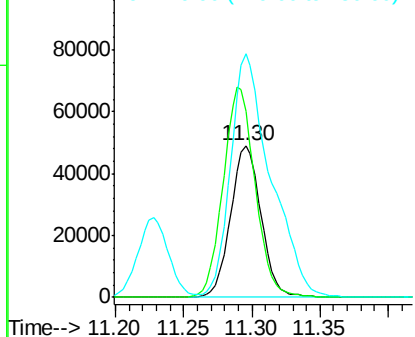
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC150

Tot Ion:152 Resp: 75952
Ion Ratio Lower Upper
152 100
115 145.7 45.0 134.8#
150 212.1 0.0 346.4



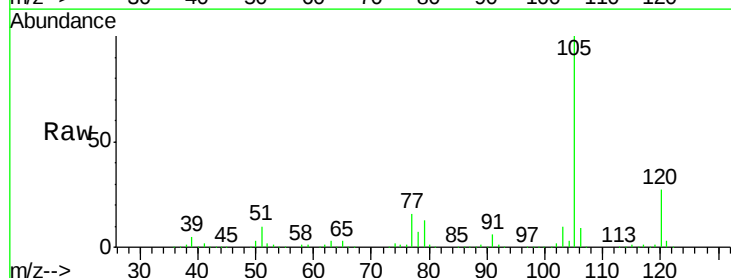
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



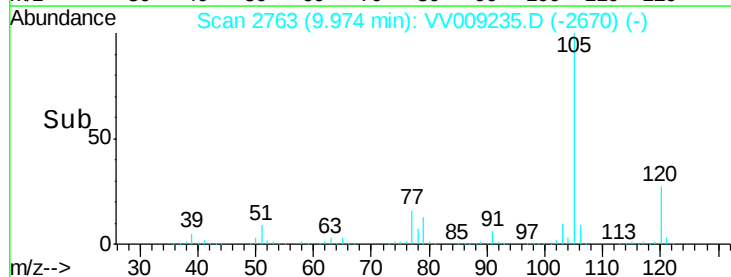
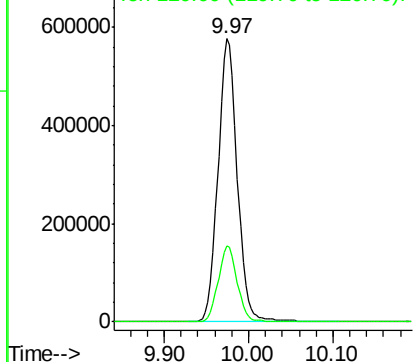
#73

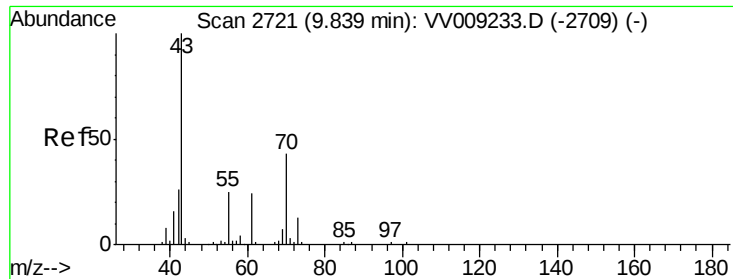
Isopropylbenzene
Concen: 152.575 ug/l
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt Ion:105 Resp: 917662
Ion Ratio Lower Upper
105 100
120 26.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 153.644 ug/l

RT: 9.84 min Scan# 2720

Delta R.T. -0.00 min

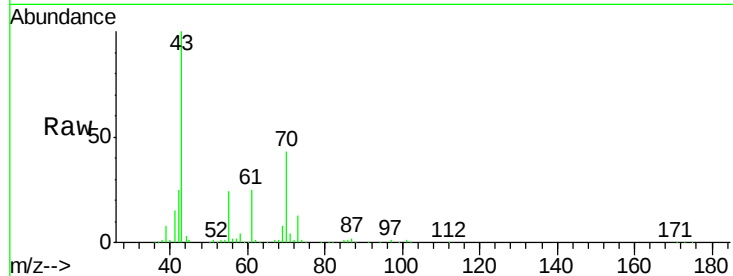
Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 195209

Ion	Ratio	Lower	Upper
43	100		
70	41.7	33.0	49.6
55	24.4	18.7	28.1
61	24.1	18.0	27.0

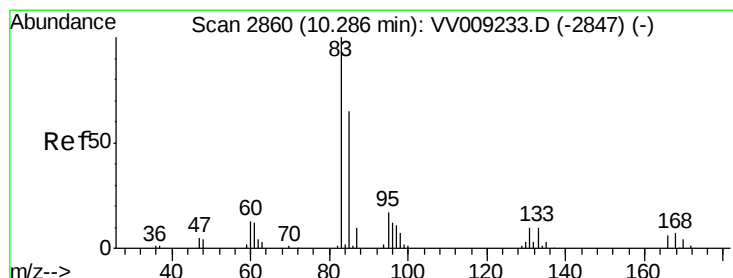
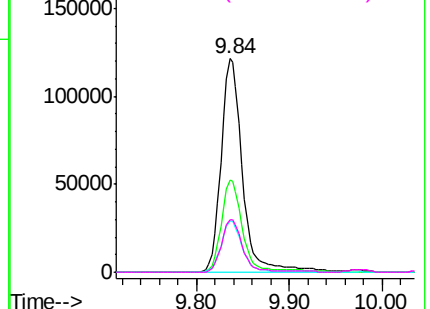
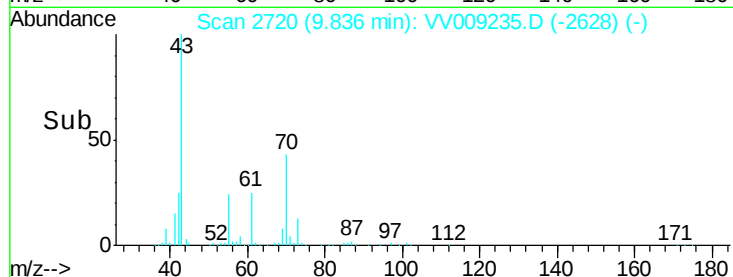


Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-2709) (-)

Ion 70.00 (69.70 to 70.70): VV009233.D (-2709) (-)

Ion 55.00 (54.70 to 55.70): VV009233.D (-2709) (-)

Ion 61.00 (60.70 to 61.70): VV009233.D (-2709) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 147.223 ug/l

RT: 10.29 min Scan# 2860

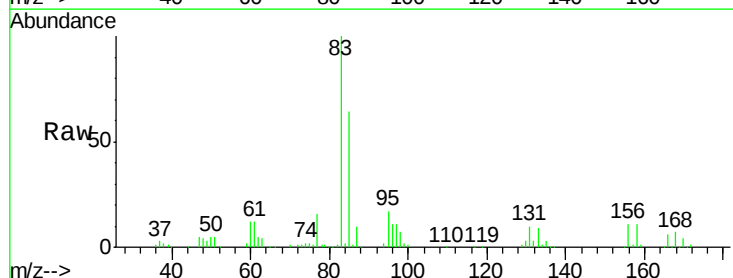
Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Tgt Ion: 83 Resp: 158578

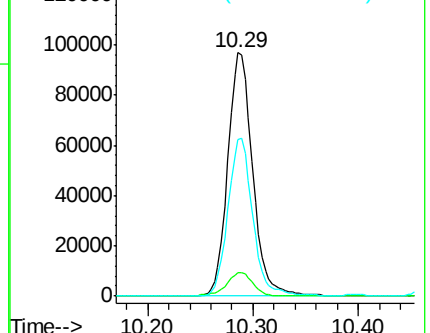
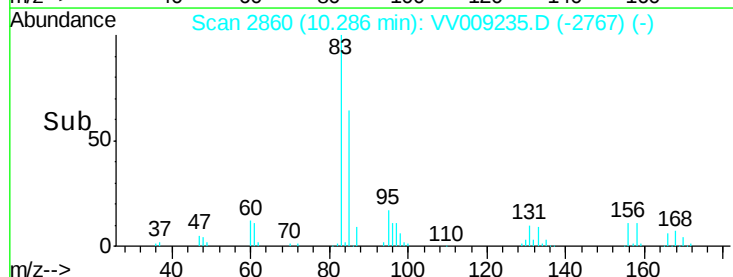
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	64.6	32.6	98.0

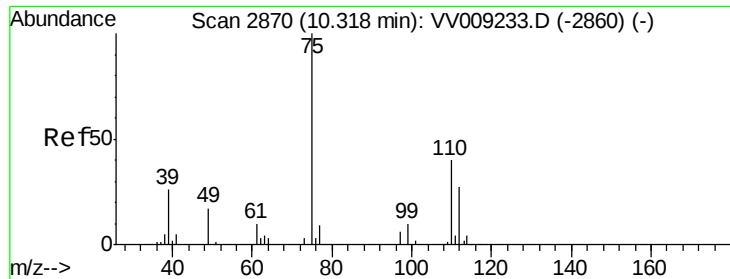


Abundance Ion 82.90 (82.60 to 83.60): VV009235.D (-2767) (-)

Ion 130.80 (130.50 to 131.50): VV009235.D (-2767) (-)

Ion 84.90 (84.60 to 85.60): VV009235.D (-2767) (-)





#76

1,2,3-Trichloropropane

Concen: 138.122 ug/l

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

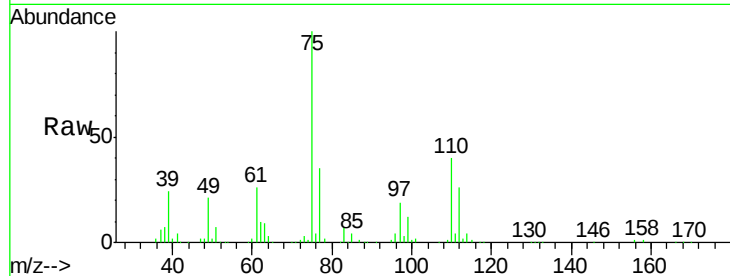
VSTDIC150

Tot Ion: 75 Resp: 115758

Ion Ratio Lower Upper

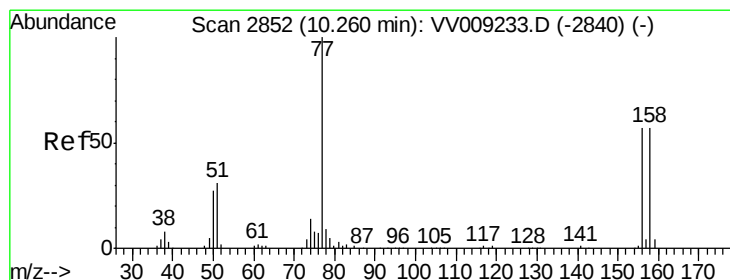
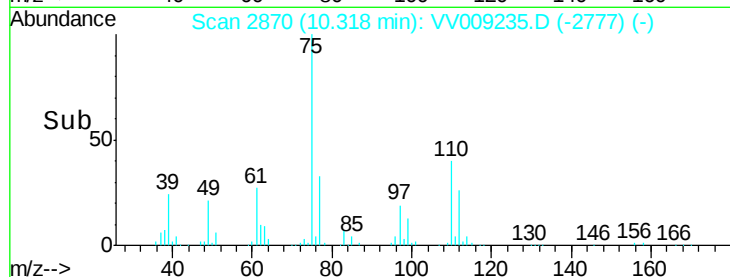
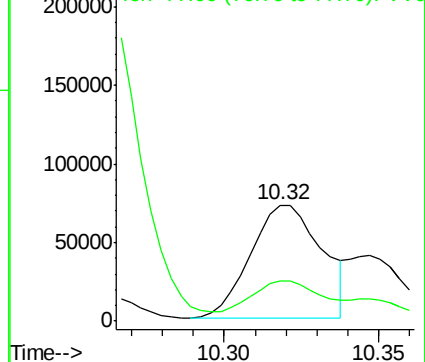
75 100

77 26.3 24.6 73.8



Abundance Ion 74.90 (74.60 to 75.60): VV009235.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV009235.D (-2860) (-)



#77

Bromobenzene

Concen: 149.127 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

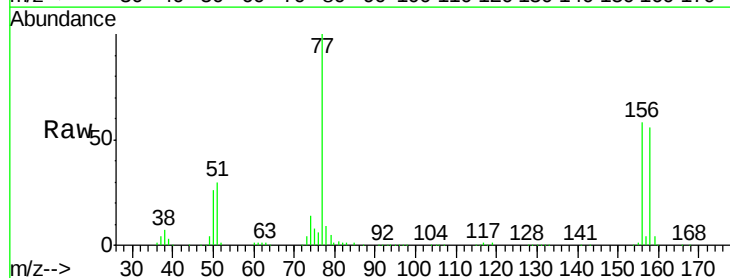
Tgt Ion: 156 Resp: 199149

Ion Ratio Lower Upper

156 100

77 168.0 86.0 258.0

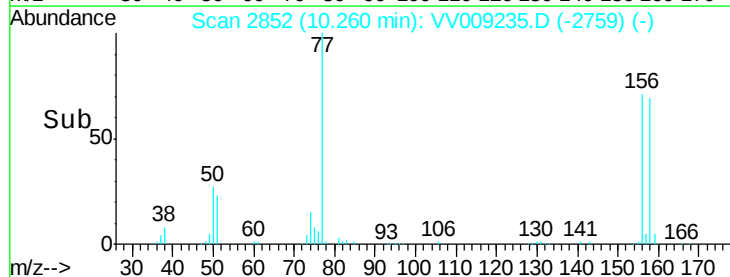
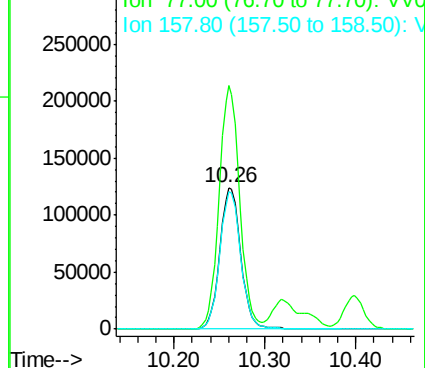
158 97.2 49.8 149.3

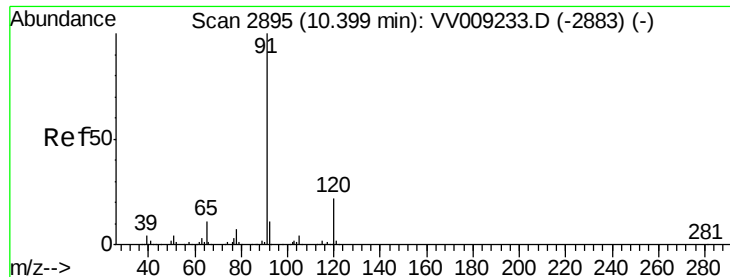


Abundance Ion 155.80 (155.50 to 156.50): VV009235.D (-2840) (-)

Ion 77.00 (76.70 to 77.70): VV009235.D (-2840) (-)

Ion 157.80 (157.50 to 158.50): VV009235.D (-2840) (-)





#78

n-propylbenzene

Concen: 152.088 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

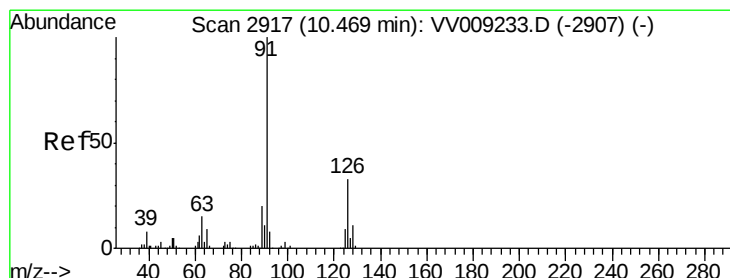
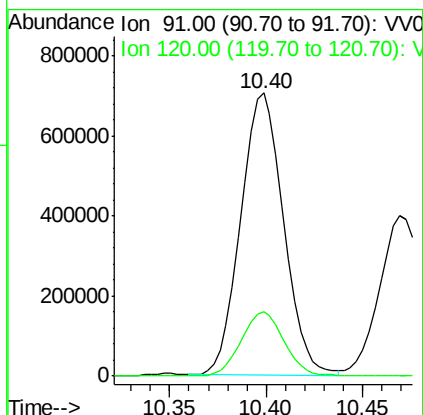
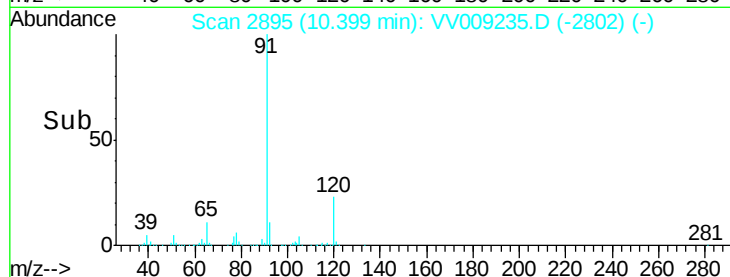
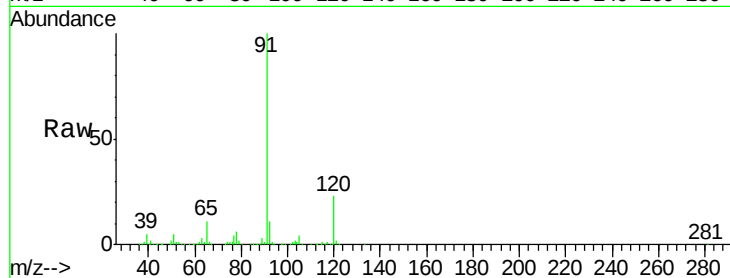
VSTDIC150

Tot Ion: 91 Resp: 1083913

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4



#79

2-Chlorotoluene

Concen: 144.077 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009235.D

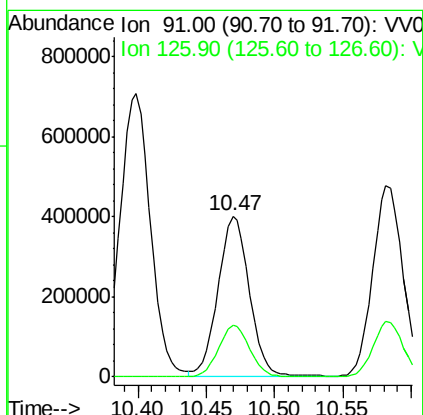
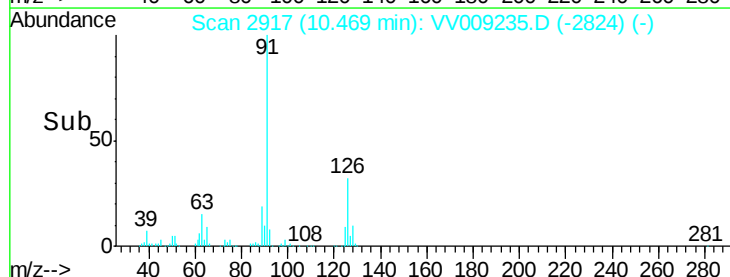
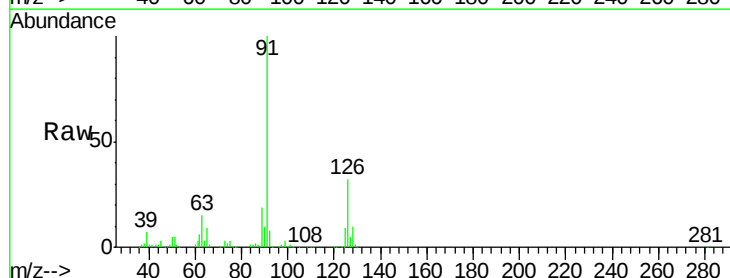
Acq: 22 Jan 2019 14:20

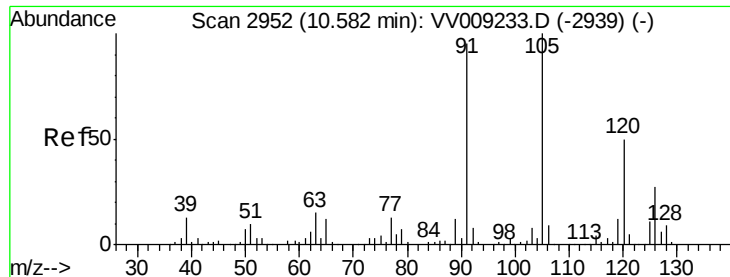
Tgt Ion: 91 Resp: 633473

Ion Ratio Lower Upper

91 100

126 32.7 16.2 48.6





#80

1,3,5-Trimethylbenzene

Concen: 150.672 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

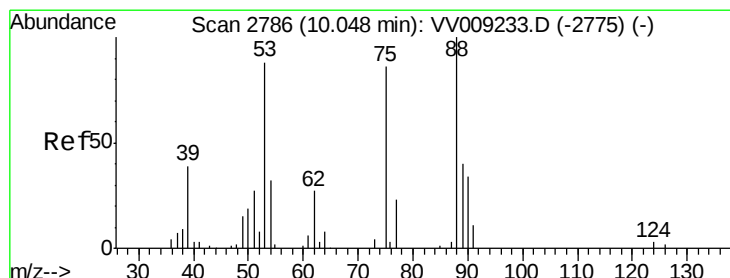
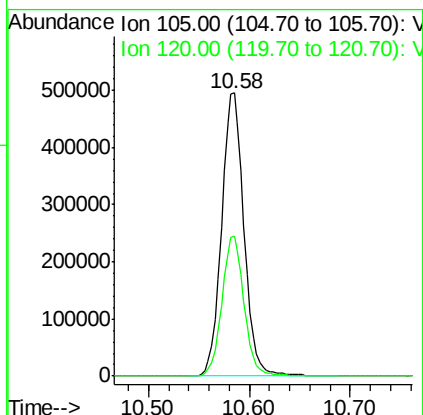
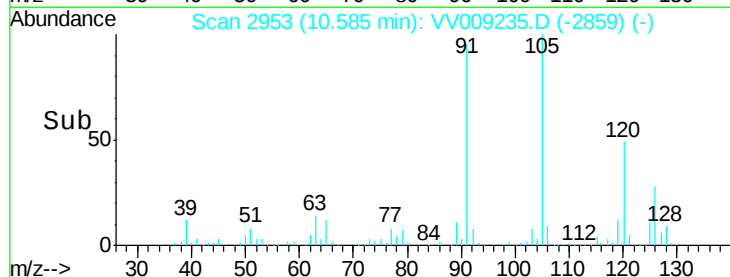
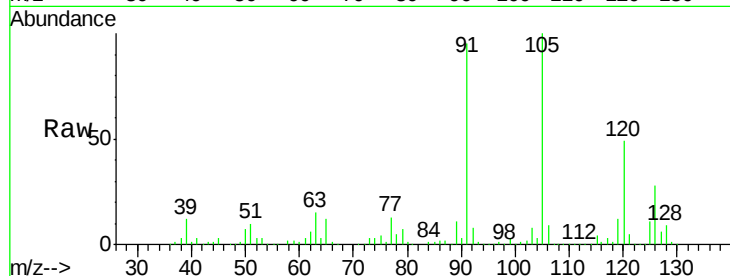
VSTDIC150

Tot Ion:105 Resp: 767959

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0



#81

trans-1,4-Dichloro-2-butene

Concen: 165.671 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

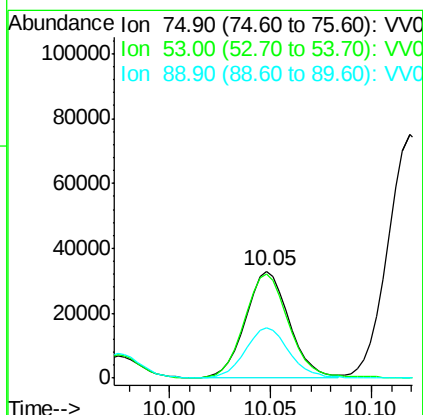
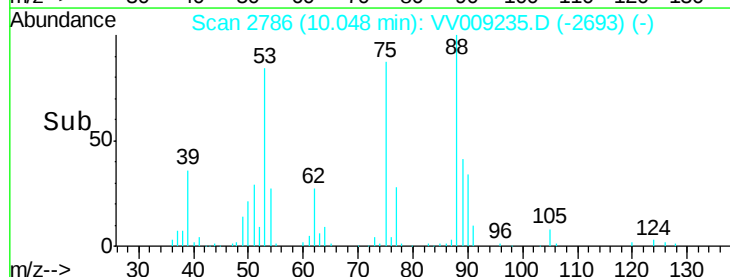
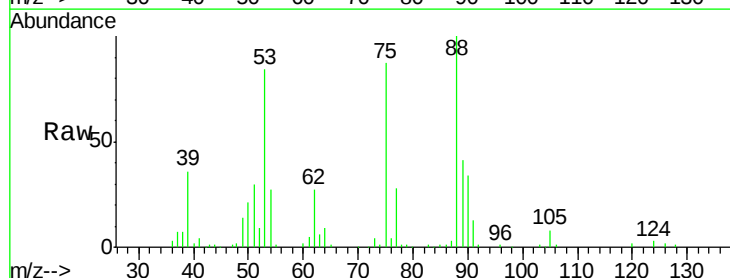
Tgt Ion: 75 Resp: 50073

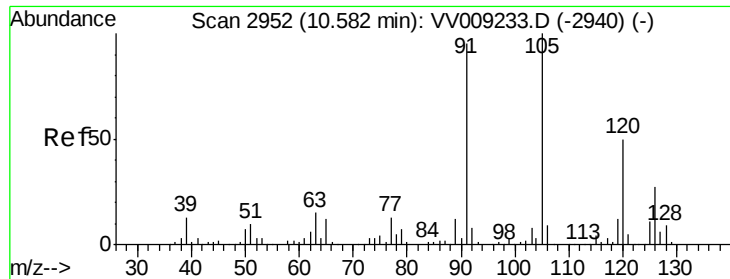
Ion Ratio Lower Upper

75 100

53 98.2 82.1 123.1

89 47.8 36.2 54.4

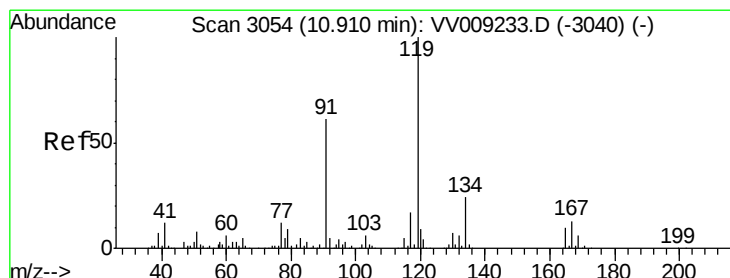
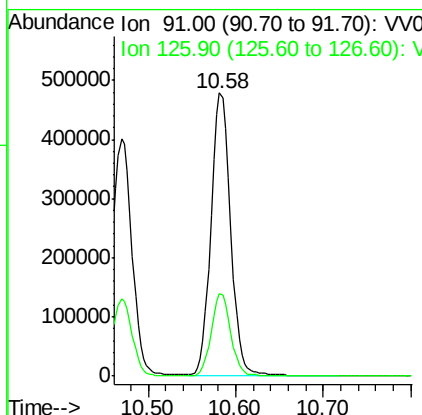
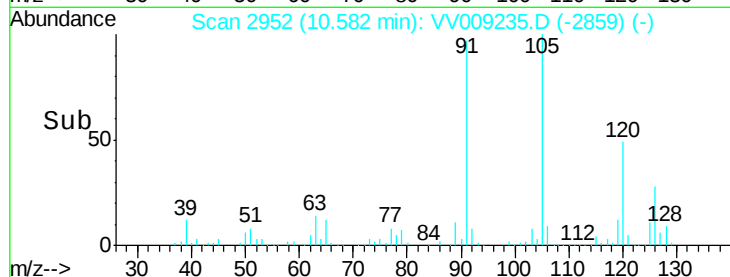
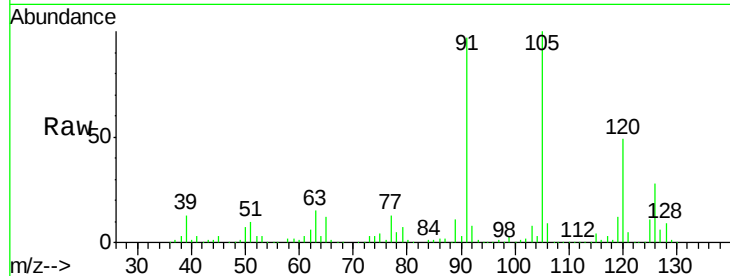




#82
4-Chlorotoluene
Concen: 143.372 ug/l
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

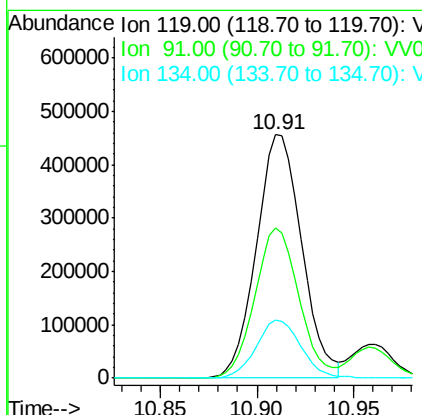
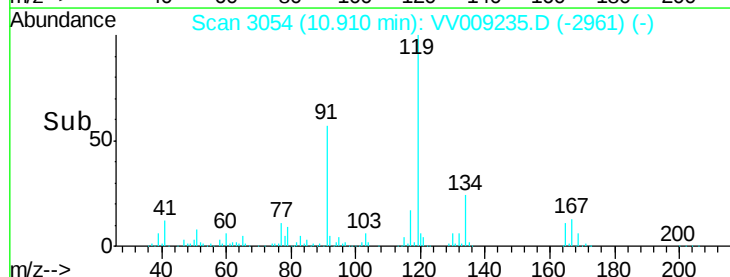
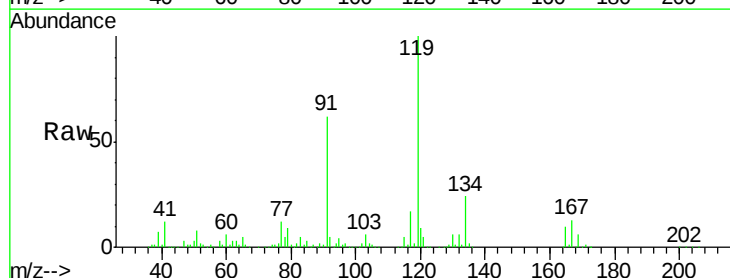
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

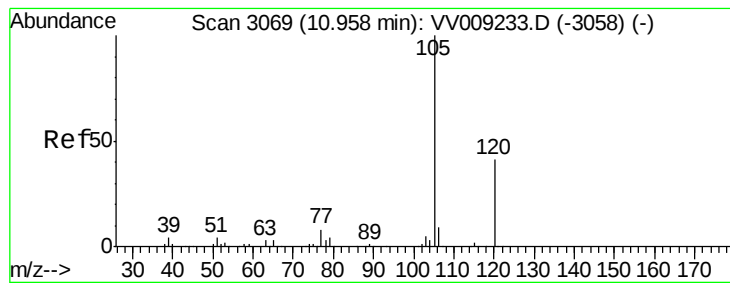
Tot Ion: 91 Resp: 750808
Ion Ratio Lower Upper
91 100
126 28.9 14.3 42.9



#83
tert-Butylbenzene
Concen: 153.432 ug/l
RT: 10.91 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt Ion: 119 Resp: 743586
Ion Ratio Lower Upper
119 100
91 59.6 30.0 90.1
134 23.6 11.9 35.7





#84

1,2,4-Trimethylbenzene

Concen: 148.337 ug/l

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

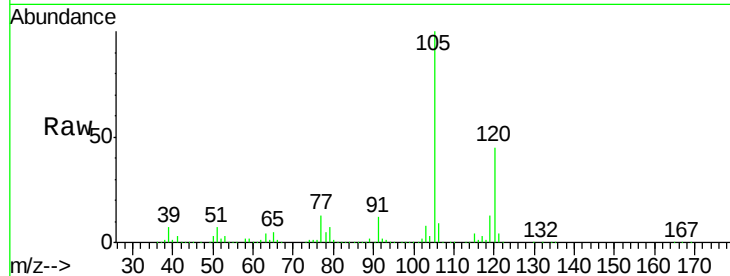
VSTDIC150

Tot Ion:105 Resp: 779204

Ion Ratio Lower Upper

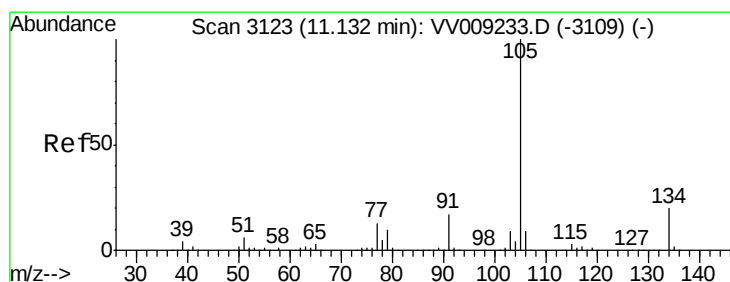
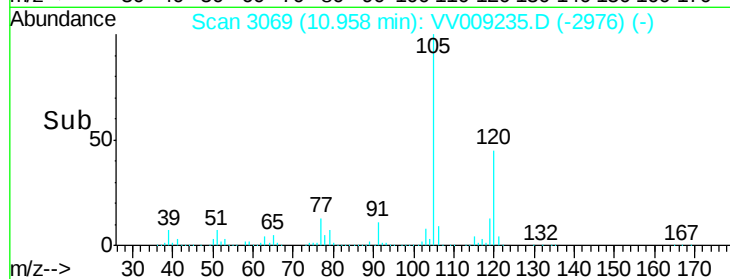
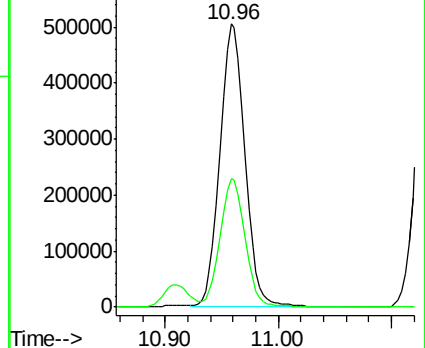
105 100

120 45.3 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 154.738 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VV009235.D

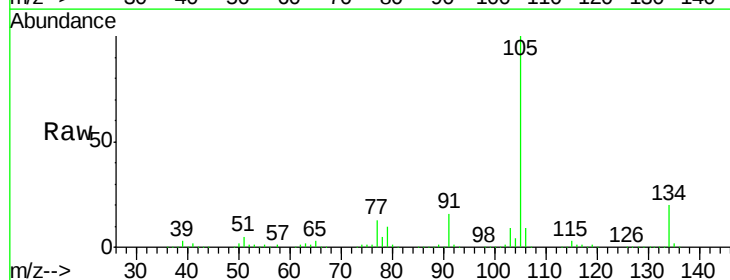
Acq: 22 Jan 2019 14:20

Tgt Ion:105 Resp: 963911

Ion Ratio Lower Upper

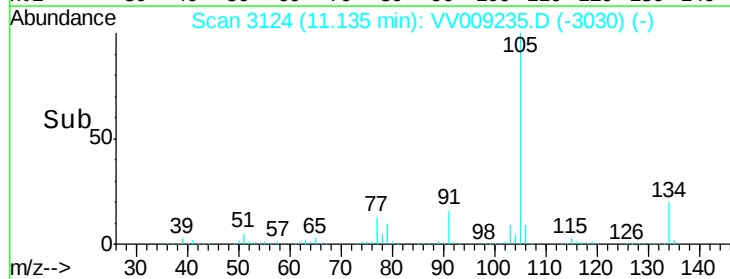
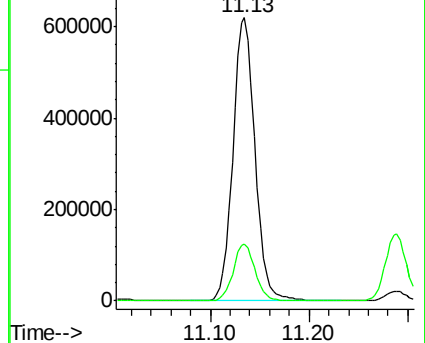
105 100

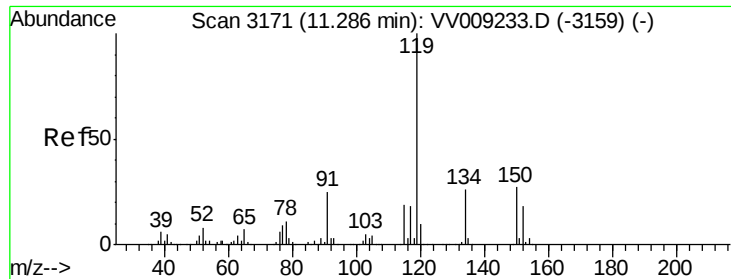
134 20.1 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

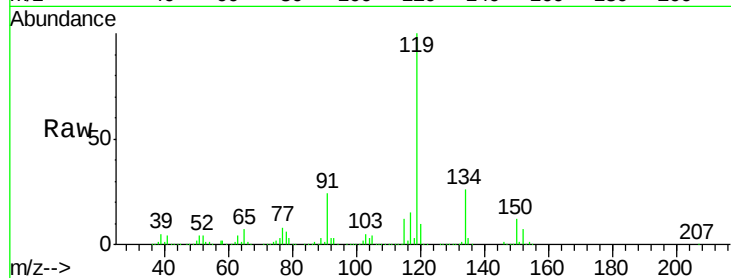




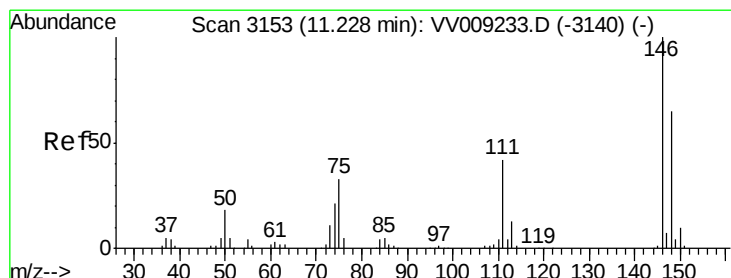
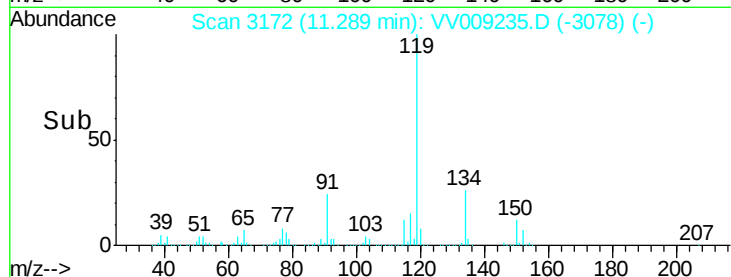
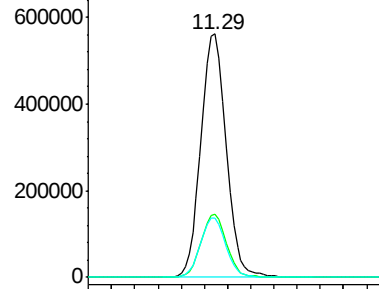
#86
 p-Isopropyltoluene
 Concen: 153.345 ug/l
 RT: 11.29 min Scan# 3172
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 846918
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 24.5 12.4 37.2

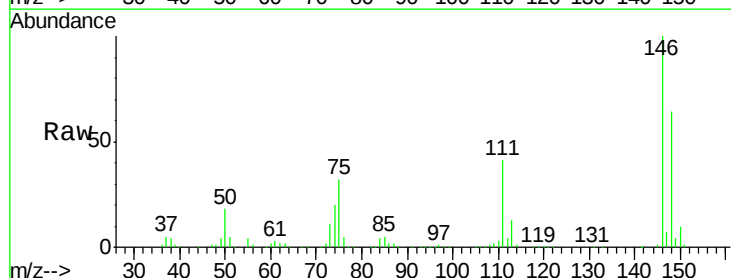


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

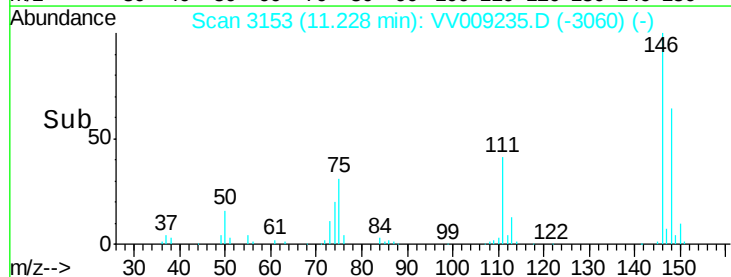
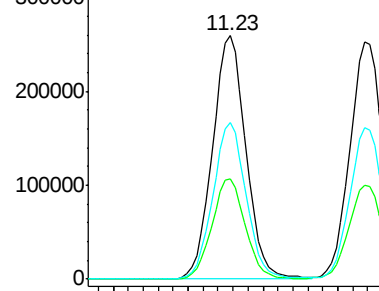


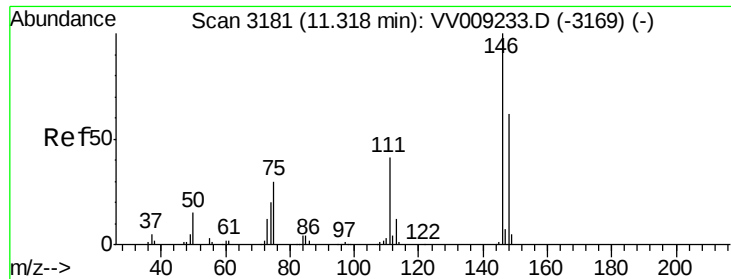
#87
 1,3-Dichlorobenzene
 Concen: 147.489 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Tgt Ion:146 Resp: 402411
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.1 63.4
 148 63.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 144.595 ug/l

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

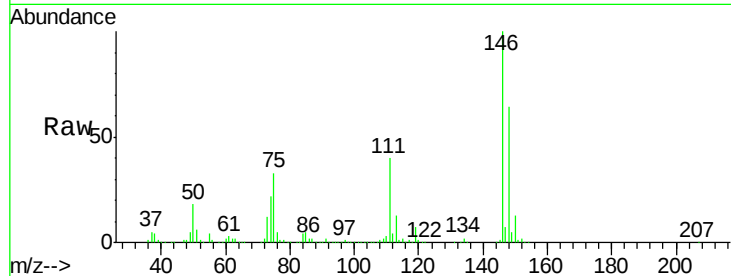
Tot Ion:146 Resp: 400359

Ion Ratio Lower Upper

146 100

111 40.2 20.5 61.5

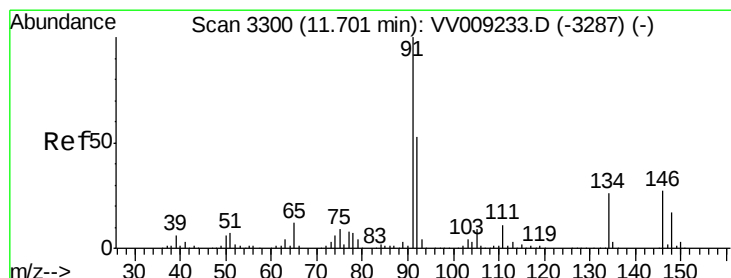
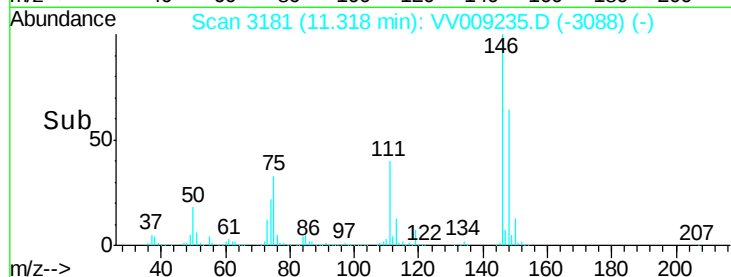
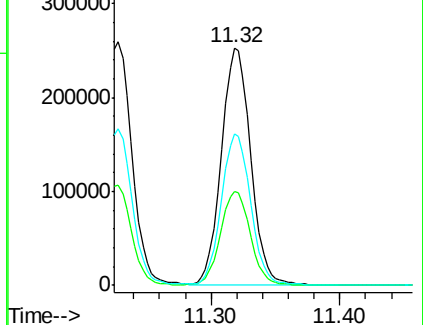
148 63.9 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 152.288 ug/l

RT: 11.70 min Scan# 3300

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

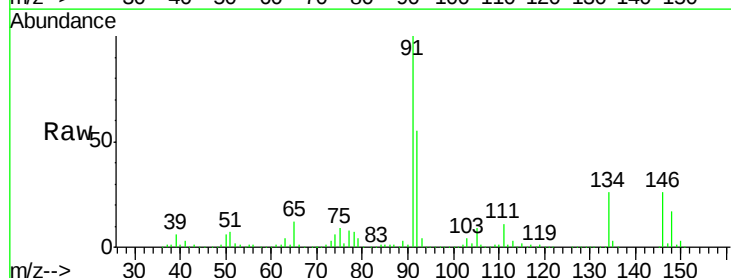
Tgt Ion: 91 Resp: 828391

Ion Ratio Lower Upper

91 100

92 54.7 27.2 81.5

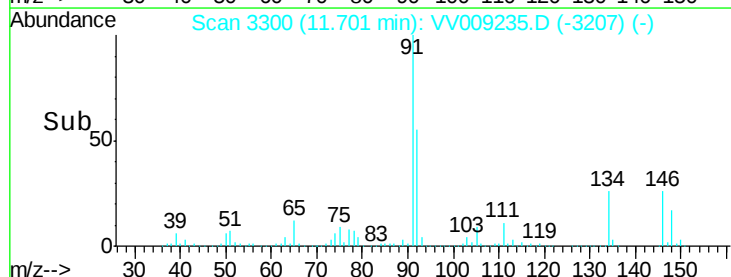
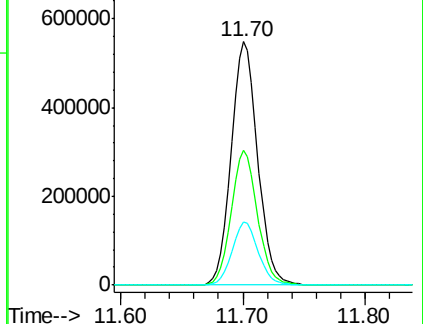
134 25.7 12.6 37.8

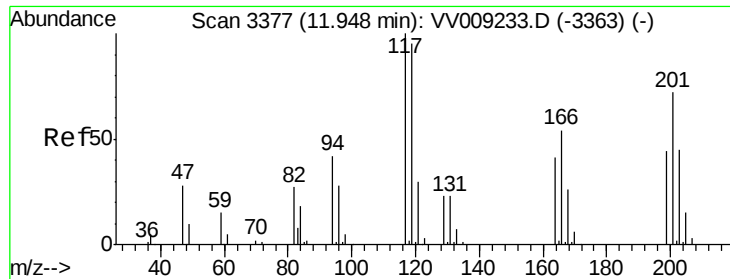


Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 159.182 ug/l

RT: 11.95 min Scan# 3377

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampled :

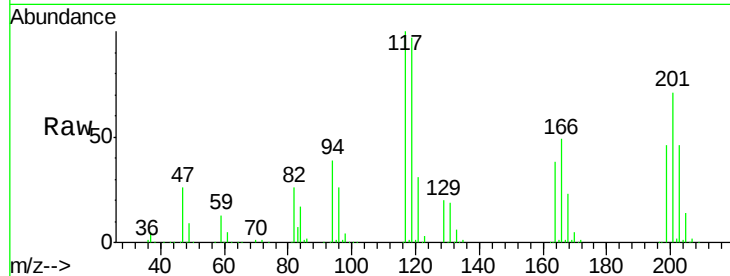
VSTDIC150

Tot Ion:117 Resp: 158568

Ion Ratio Lower Upper

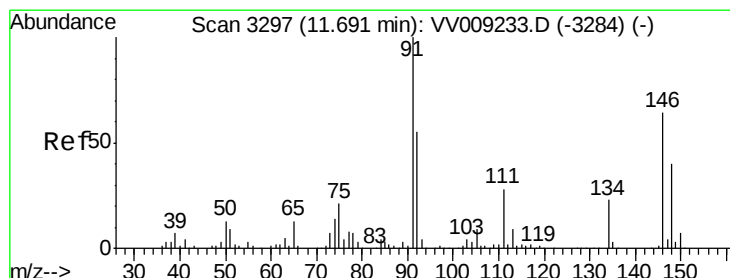
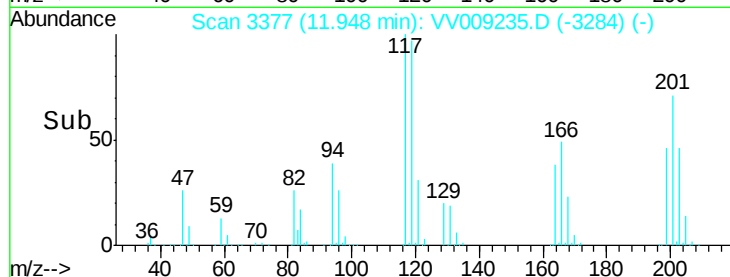
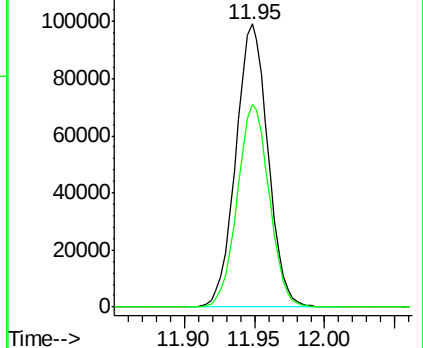
117 100

201 71.0 35.2 105.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 145.796 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

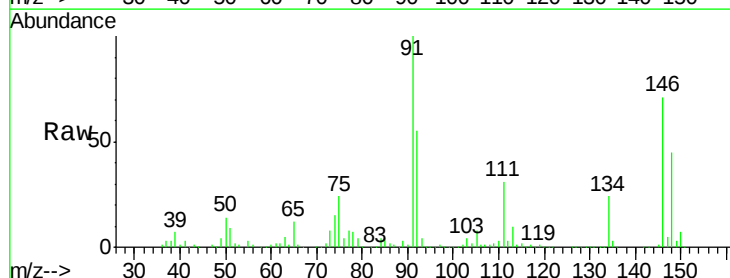
Tgt Ion:146 Resp: 355719

Ion Ratio Lower Upper

146 100

111 43.1 21.9 65.8

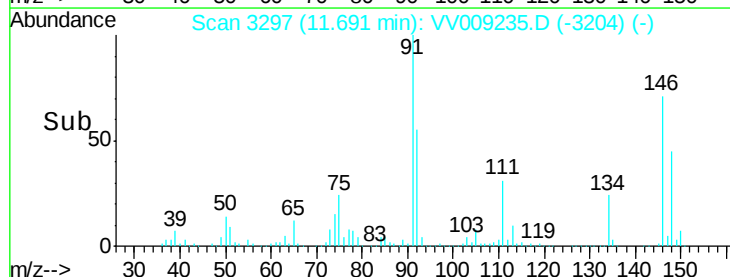
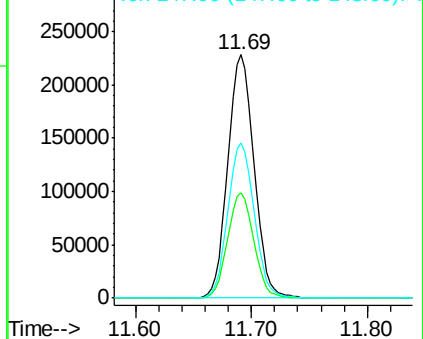
148 63.9 31.6 95.0

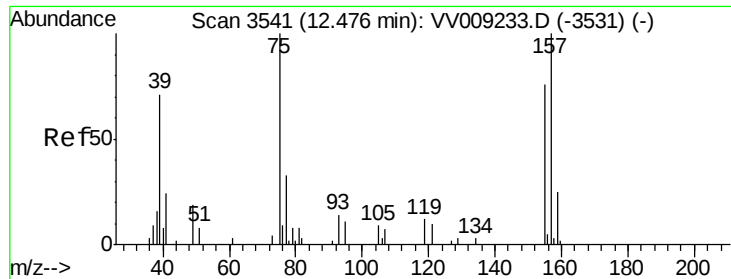


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 150.162 ug/l

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

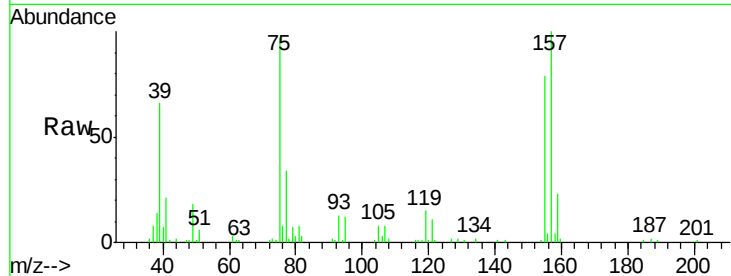
Tot Ion: 75 Resp: 28018

Ion Ratio Lower Upper

75 100

155 80.0 38.0 114.0

157 100.5 50.8 152.4

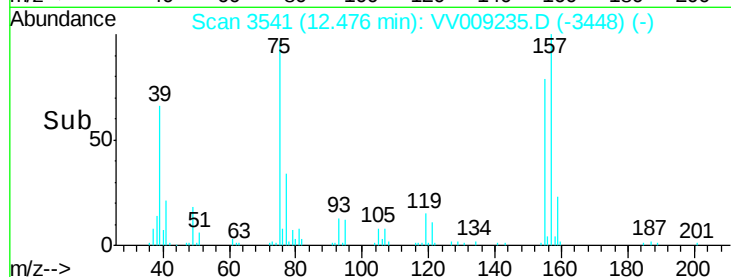


Abundance Ion 74.90 (74.60 to 75.60): VV009233.D (-3531) (-)

Ion 154.80 (154.50 to 155.50): VV009233.D (-3531) (-)

Ion 156.80 (156.50 to 157.50): VV009233.D (-3531) (-)

Time-->

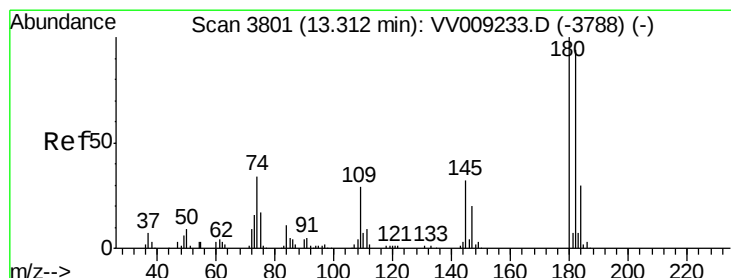


Abundance Ion 74.90 (74.60 to 75.60): VV009235.D (-3448) (-)

Ion 154.80 (154.50 to 155.50): VV009235.D (-3448) (-)

Ion 156.80 (156.50 to 157.50): VV009235.D (-3448) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 147.339 ug/l

RT: 13.31 min Scan# 3800

Delta R.T. -0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

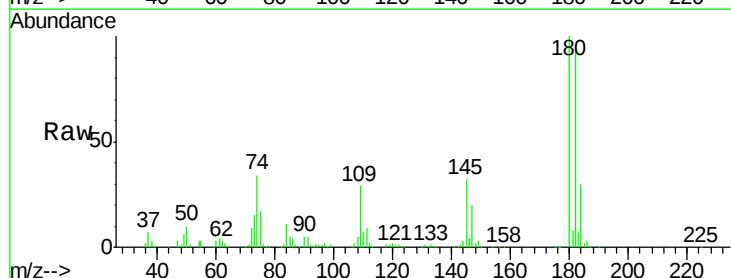
Tgt Ion: 180 Resp: 245172

Ion Ratio Lower Upper

180 100

182 94.4 47.1 141.4

145 32.0 16.0 48.0

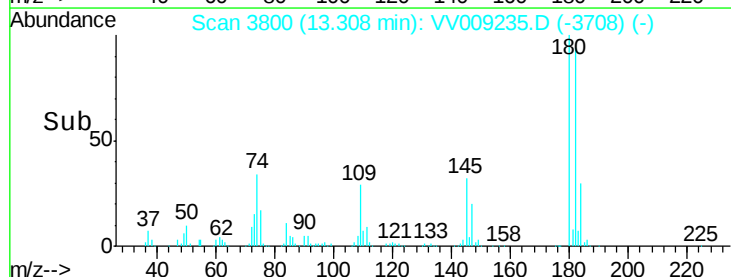


Abundance Ion 179.80 (179.50 to 180.50): VV009233.D (-3788) (-)

Ion 181.80 (181.50 to 182.50): VV009233.D (-3788) (-)

Ion 144.80 (144.50 to 145.50): VV009233.D (-3788) (-)

Time-->

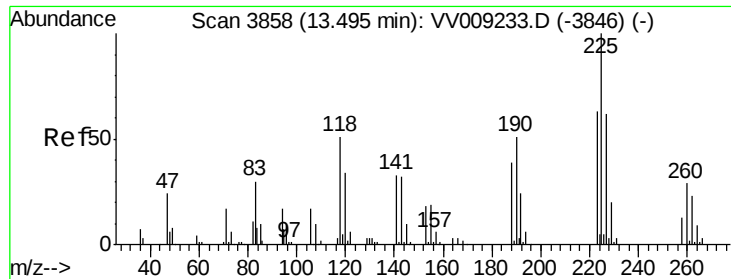


Abundance Ion 179.80 (179.50 to 180.50): VV009235.D (-3708) (-)

Ion 181.80 (181.50 to 182.50): VV009235.D (-3708) (-)

Ion 144.80 (144.50 to 145.50): VV009235.D (-3708) (-)

Time-->



#94

Hexachlorobutadiene

Concen: 150.911 ug/l

RT: 13.49 min Scan# 3858

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

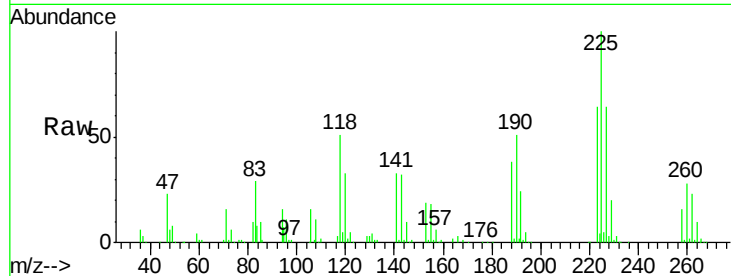
Tot Ion:225 Resp: 141787

Ion Ratio Lower Upper

225 100

223 63.0 31.7 95.1

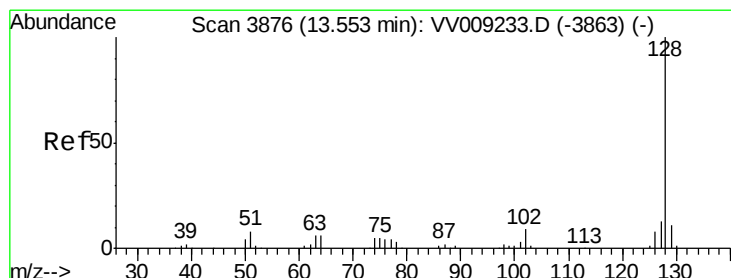
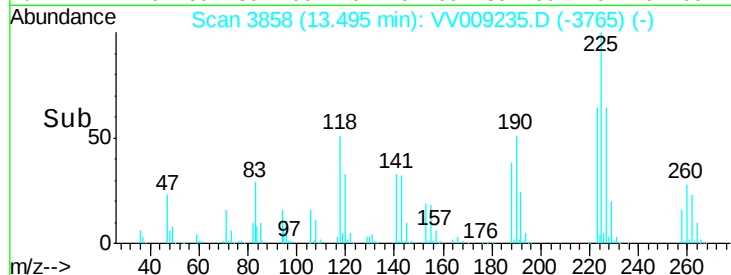
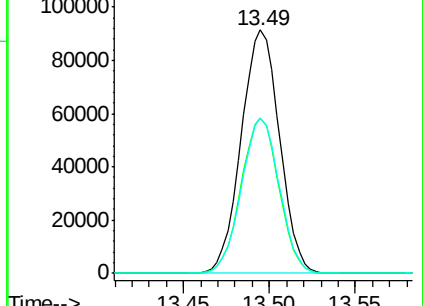
227 63.0 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 157.464 ug/l

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009235.D

Acq: 22 Jan 2019 14:20

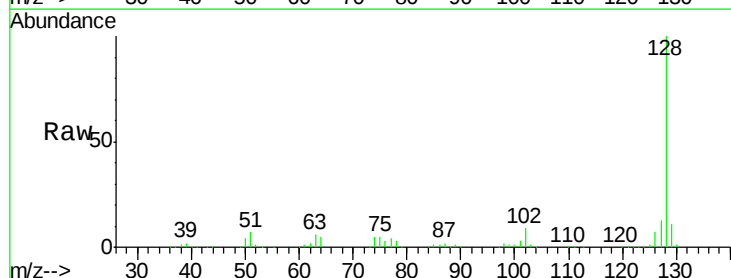
Tgt Ion:128 Resp: 459800

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

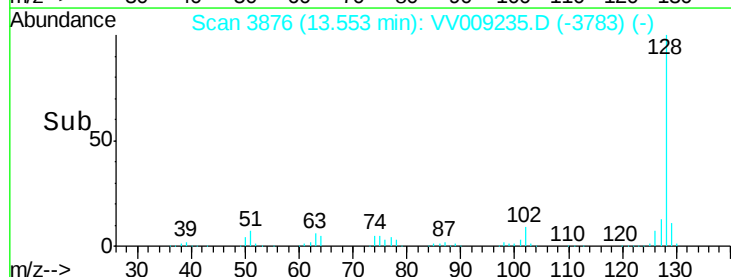
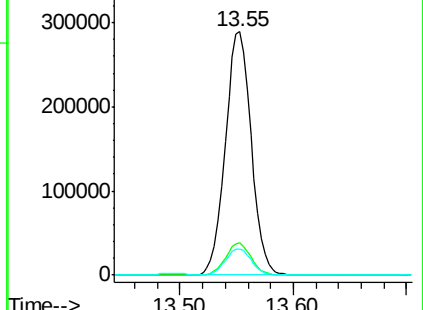
129 10.9 8.8 13.2

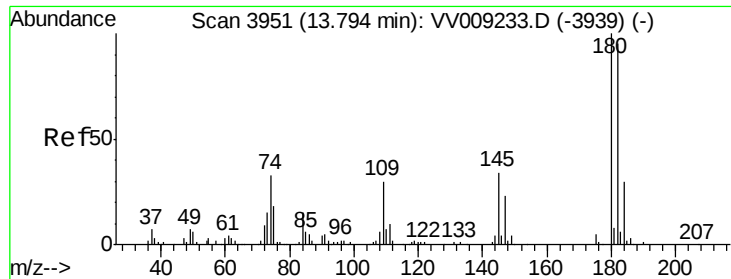


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

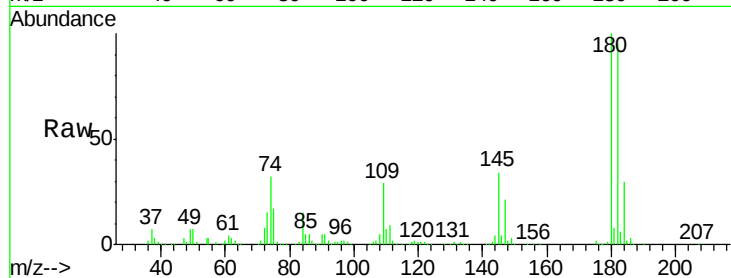




#96
 1,2,3-Trichlorobenzene
 Concen: 146.527 ug/l
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	34.0	17.2	51.5



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

