

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 00:46:10 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
18) Methyl Acetate	2.44	43	106466	126.330	ug/l	98
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

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 00:46:10 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)
39) Methylcyclohexane	6.17	83	314524	156.350	ug/l	98
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) Styrene	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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012219\
Quantitation Report (Not Reviewed)

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 00:46:10 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)
93) 1,2,4-Trichlorobenzene	13.31	180	245172	147.339	ug/l	100
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

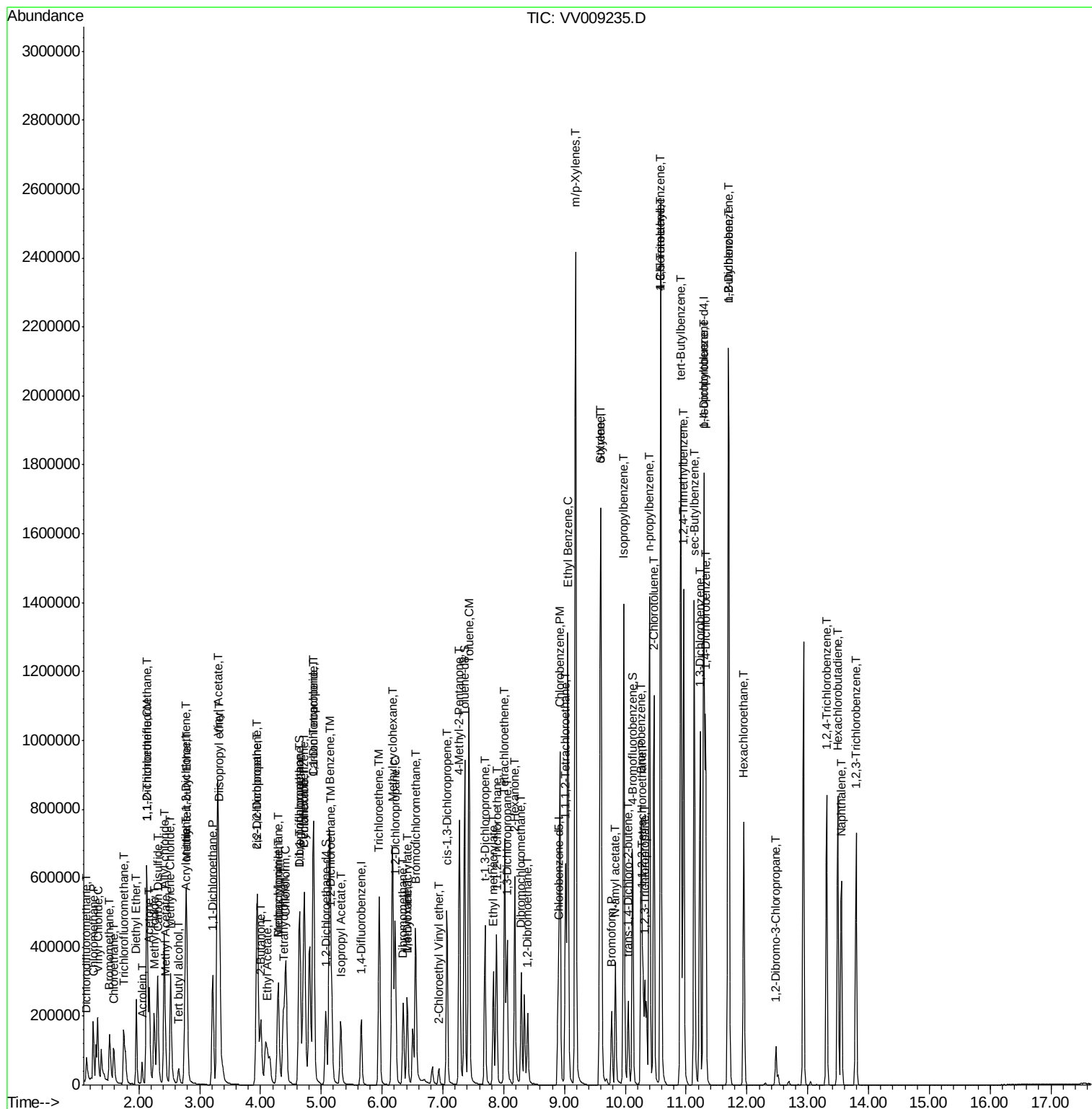
(#) = qualifier out of range (m) = manual integration (+) = signals summed

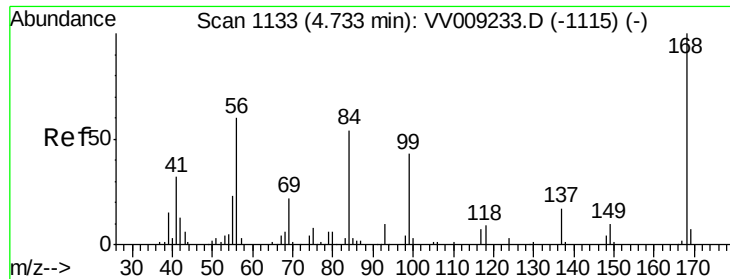
Data File : VV009235.D

```
Acq On       : 22 Jan 2019   14:20
Operator     : SY/MD
Sample       : VSTDICC150
Misc         : 5.00 G/5ML/MSV0A_V/SOIL
ALS Vial     : 8      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC150

Quant Time: Jan 23 00:46:10 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





#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 :

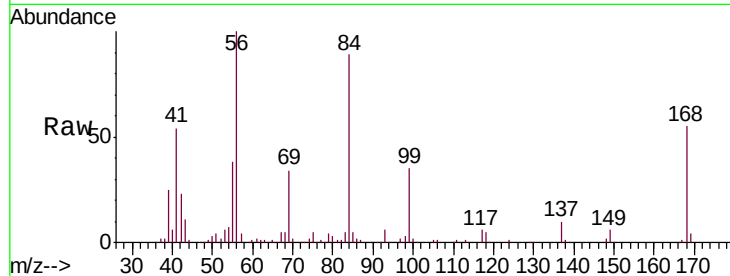
VSTDIC150

Tgt 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) (-)

80000

60000

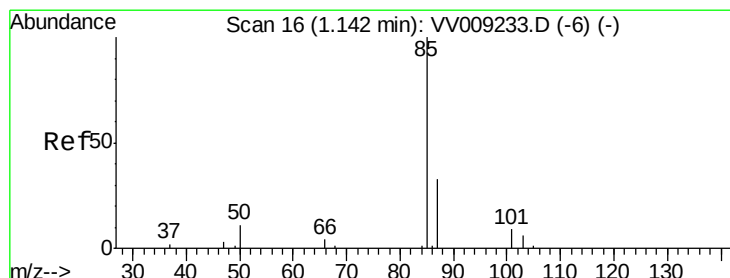
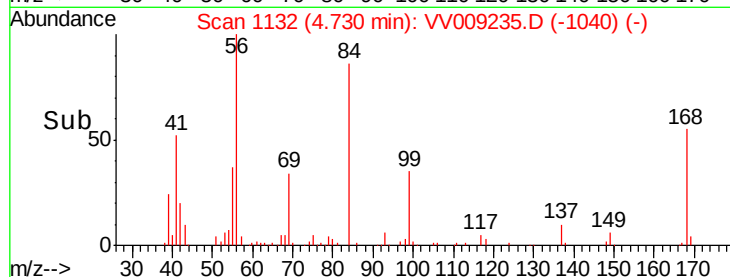
40000

20000

0

4.60 4.70 4.80

Time-->



#2

Dichlorodifluoromethane

Concen: 140.667 ug/l

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009235.D

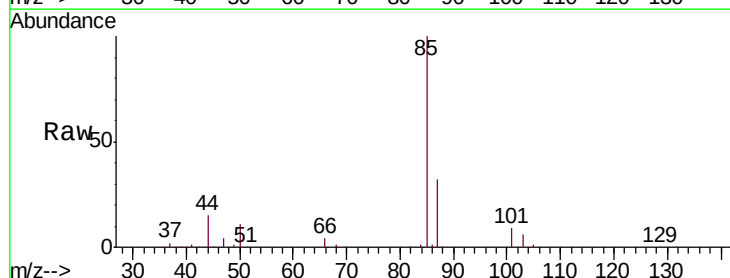
Acq: 22 Jan 2019 14:20

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) (-)

40000

30000

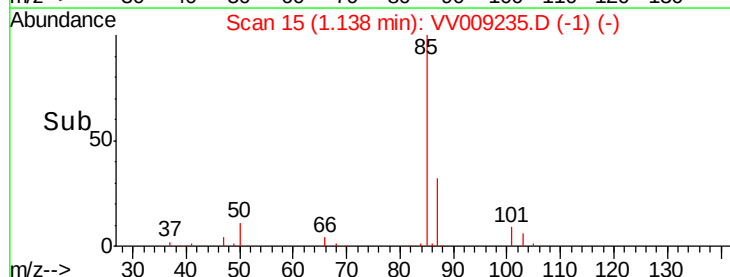
20000

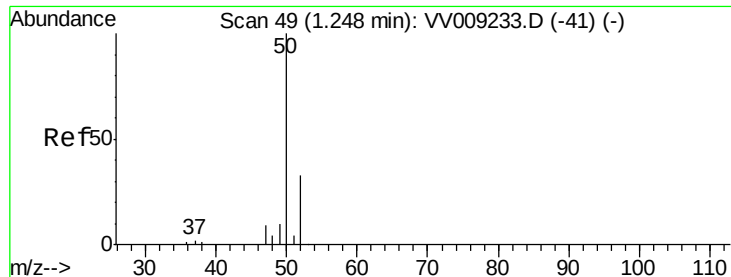
10000

0

1.10 1.20 1.30

Time-->





#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 :

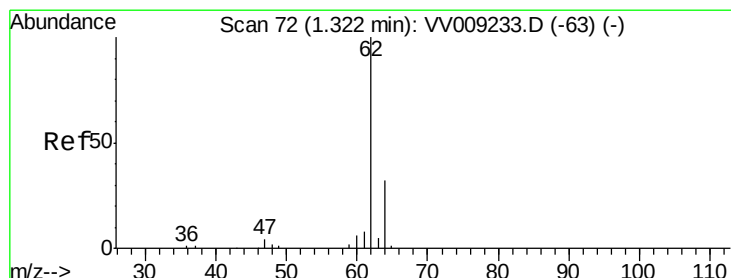
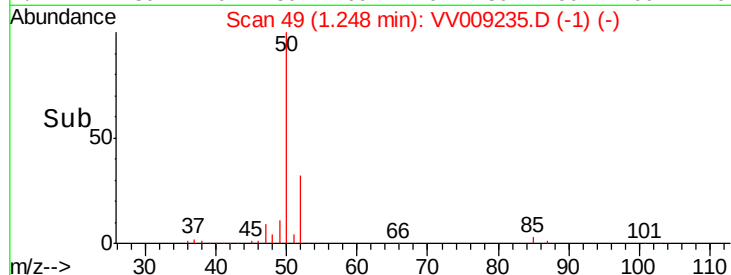
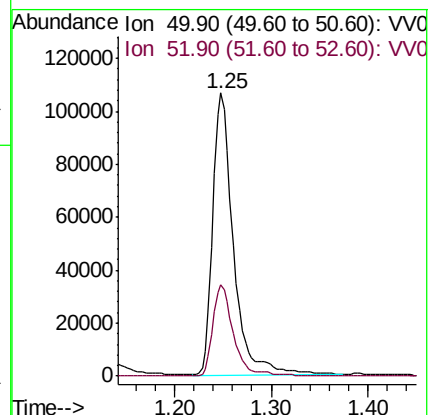
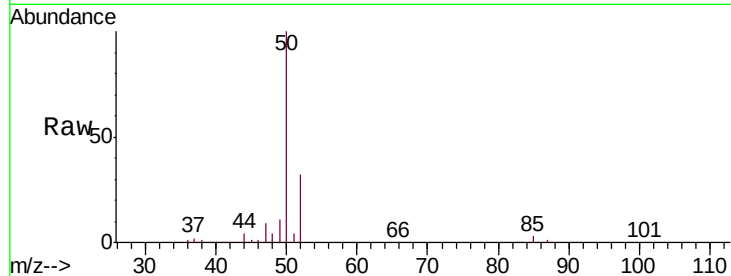
VSTDIC150

Tgt Ion: 50 Resp: 159590

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



#4

Vinyl Chloride

Concen: 147.343 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009235.D

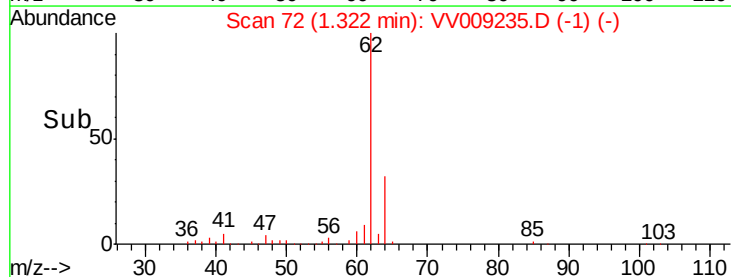
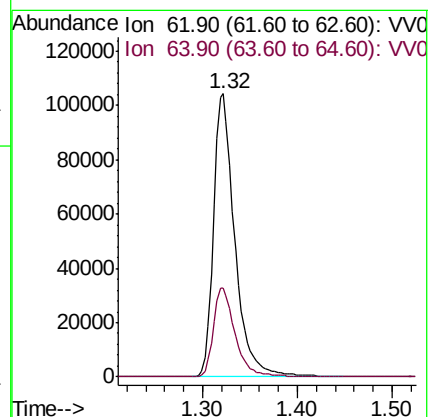
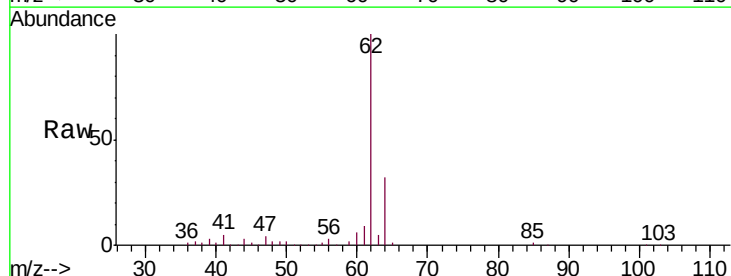
Acq: 22 Jan 2019 14:20

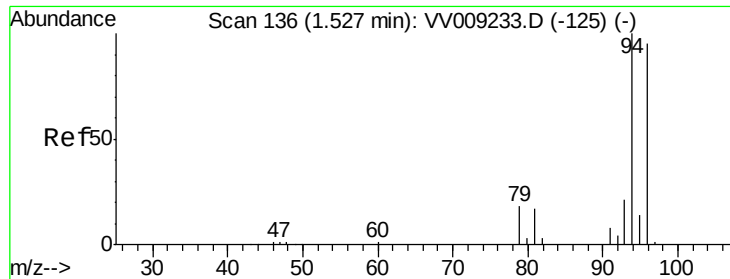
Tgt Ion: 62 Resp: 163411

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#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 :

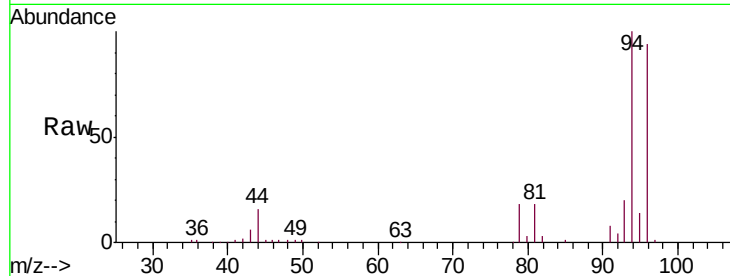
VSTDIC150

Tgt 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

1.51

50000

40000

30000

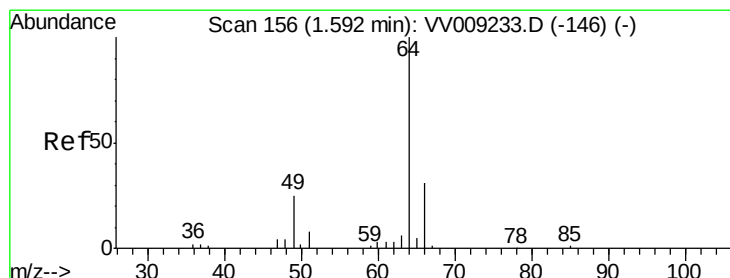
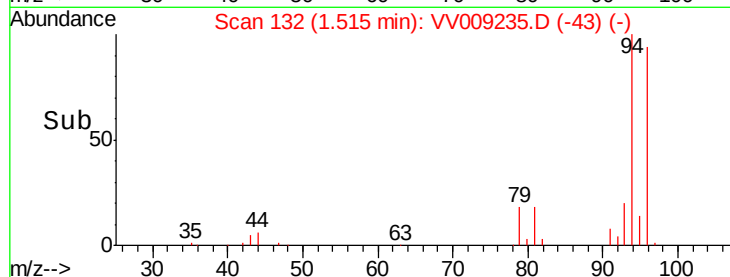
20000

10000

0

Time-->

1.50 1.60



#6

Chloroethane

Concen: 127.685 ug/l

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV009235.D

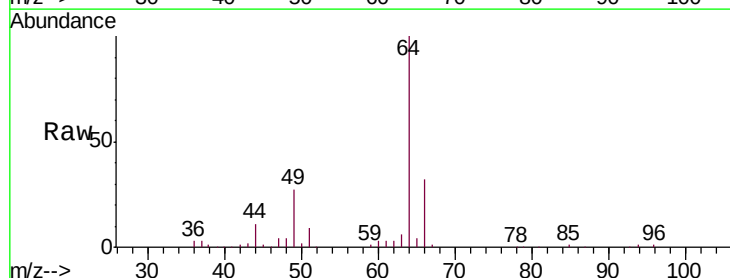
Acq: 22 Jan 2019 14:20

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

1.59

50000

40000

30000

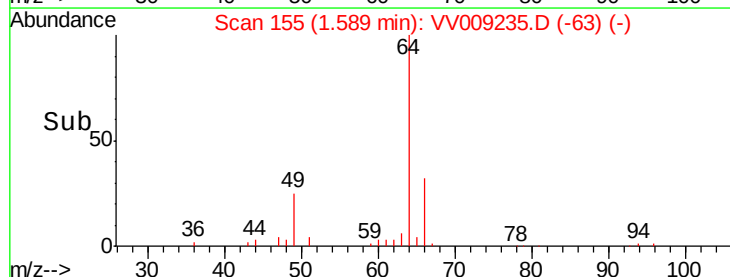
20000

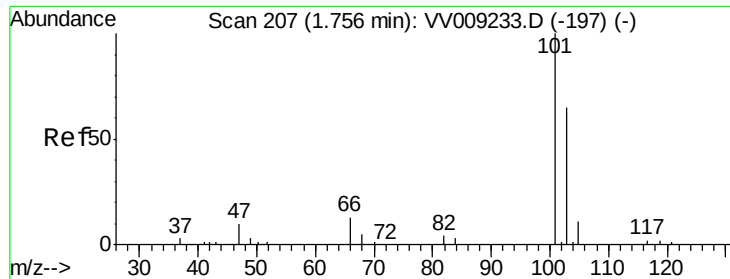
10000

0

Time-->

1.50 1.60 1.70



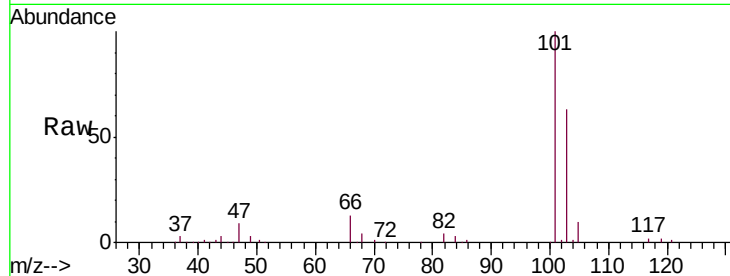


#7

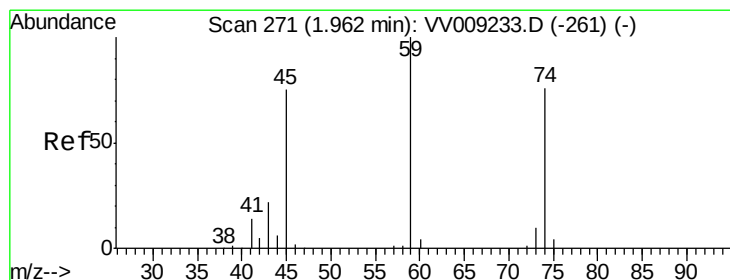
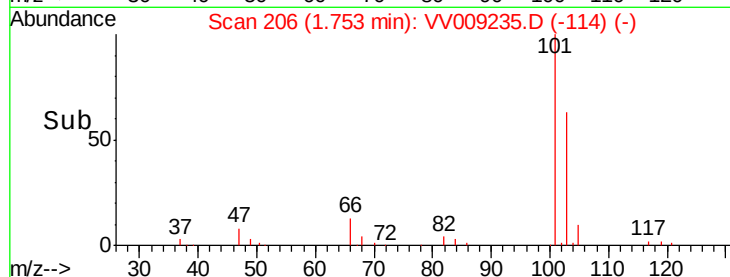
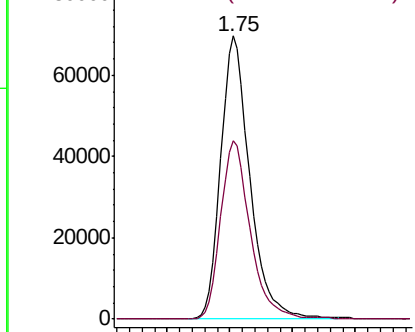
Trichlorofluoromethane
 Concen: 165.427 ug/l
 RT: 1.75 min Scan# 206
 Delta R.T. -0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

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



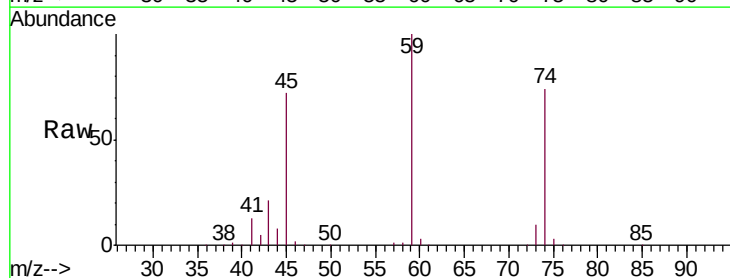
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



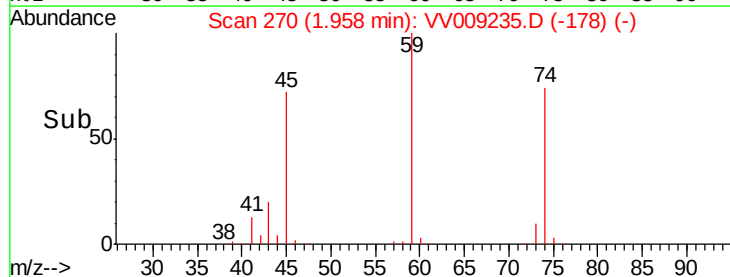
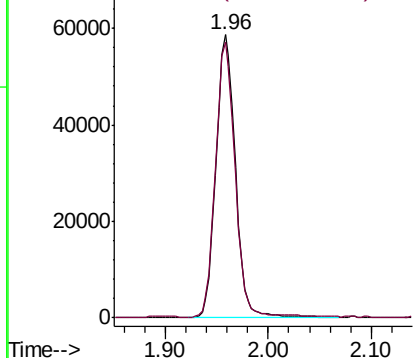
#8

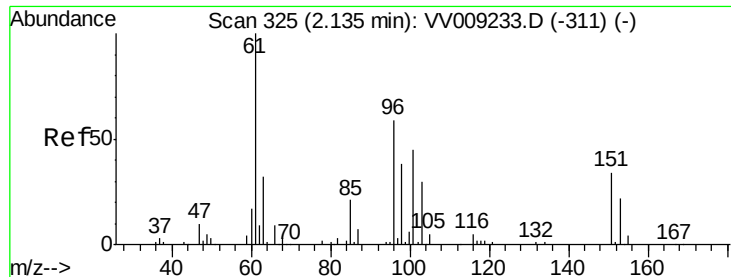
Diethyl Ether
 Concen: 140.496 ug/l
 RT: 1.96 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

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

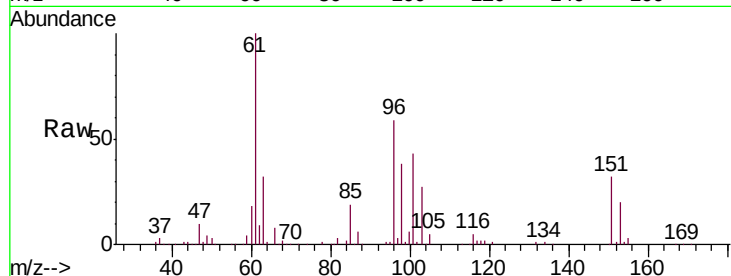
Tgt Ion:101 Resp: 143626

Ion Ratio Lower Upper

101 100

85 44.4 35.3 52.9

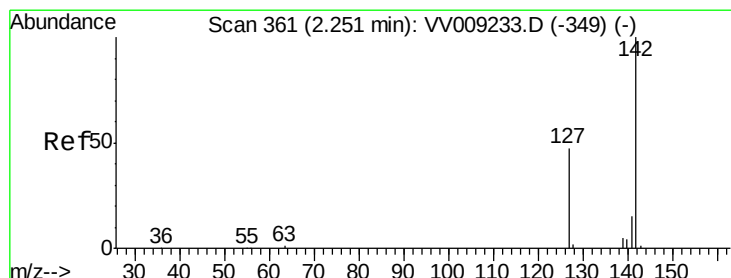
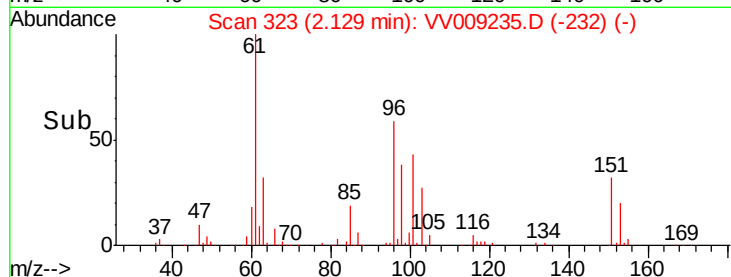
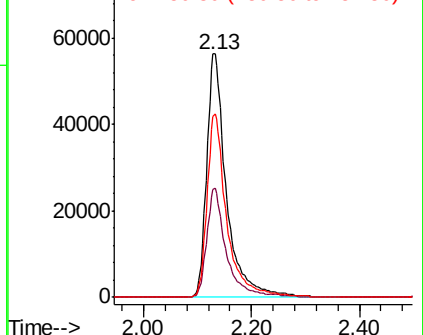
151 75.4 60.1 90.1



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

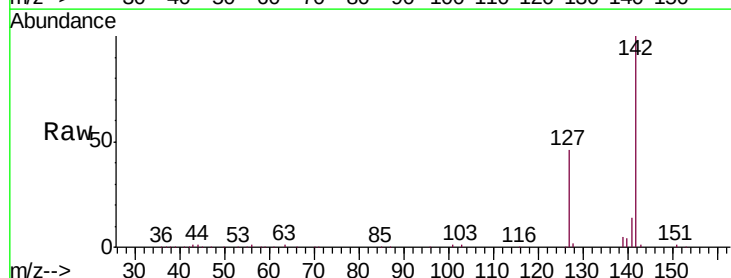
Tgt Ion:142 Resp: 235626

Ion Ratio Lower Upper

142 100

127 46.8 37.9 56.9

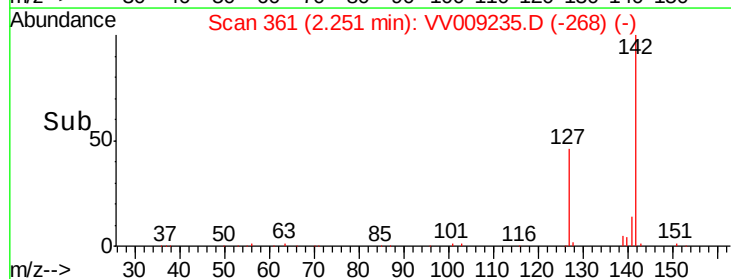
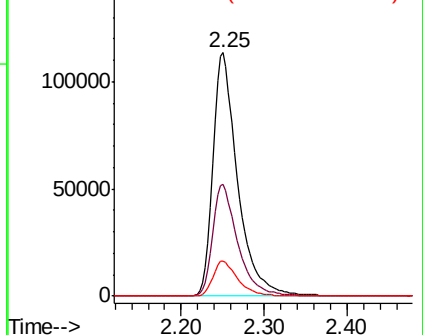
141 14.7 11.7 17.5

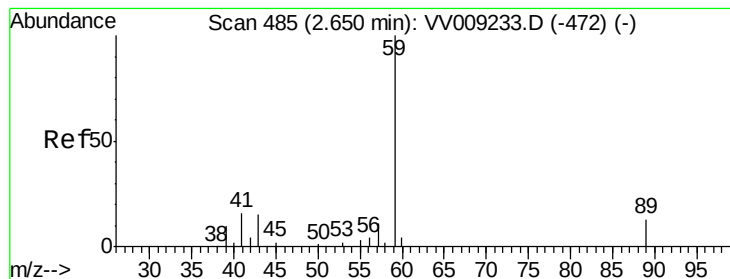


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



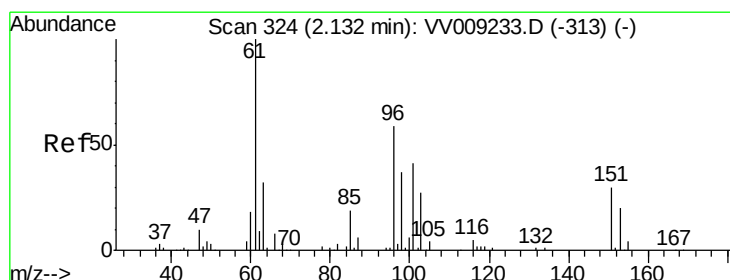
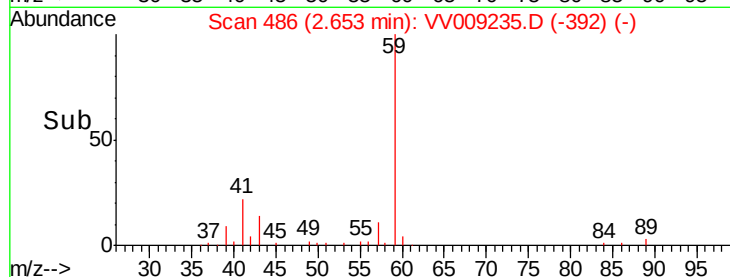
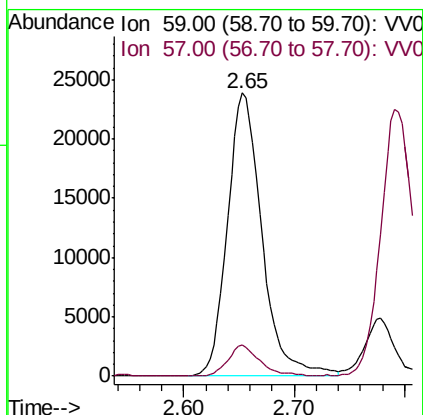
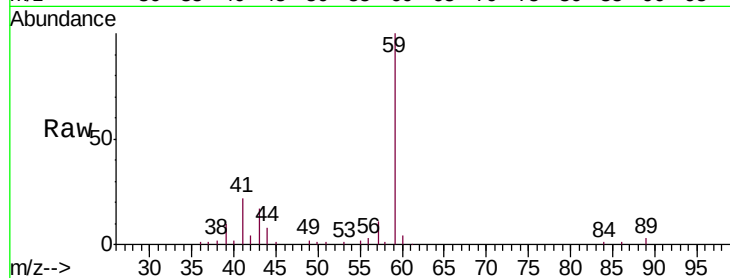


#11

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

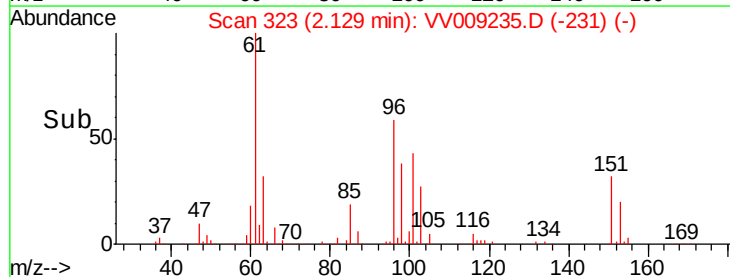
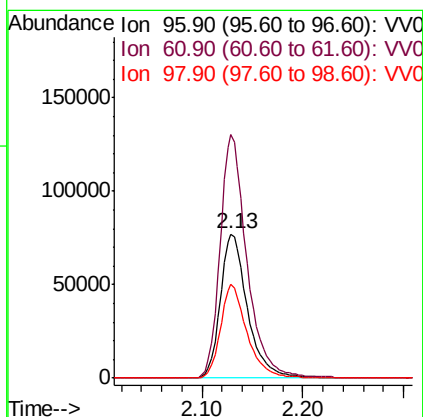
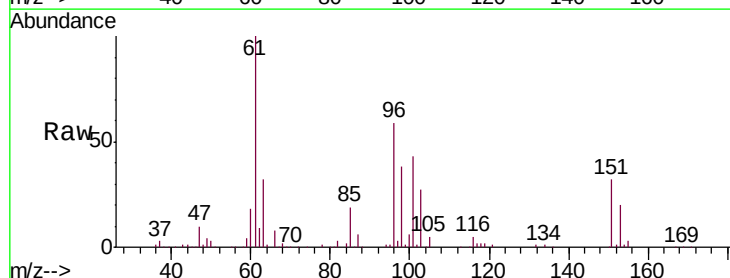
Tgt Ion: 59 Resp: 51778
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.4 12.6

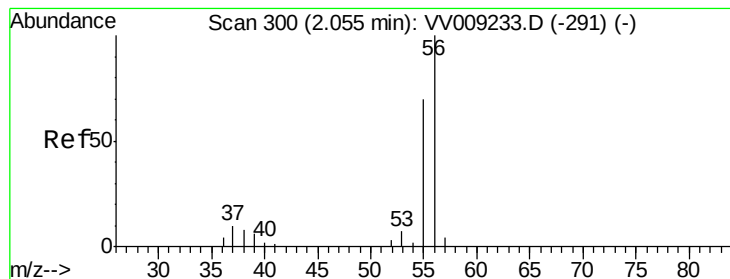


#12

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

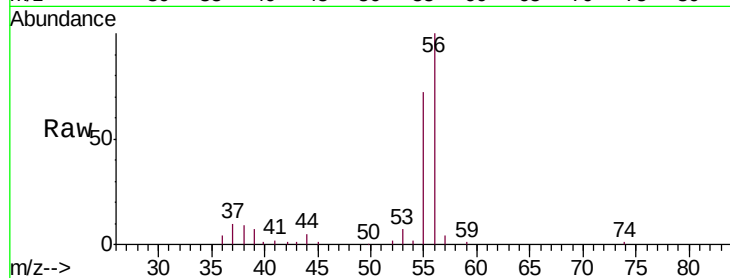
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 44610

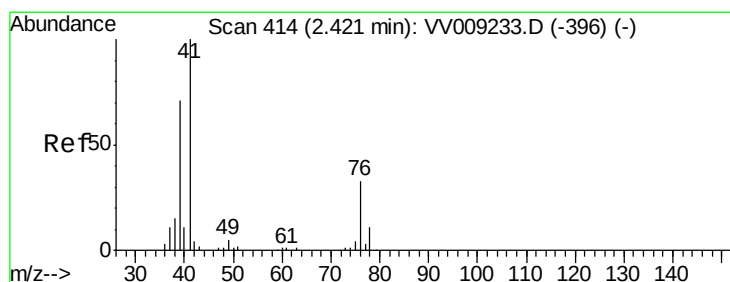
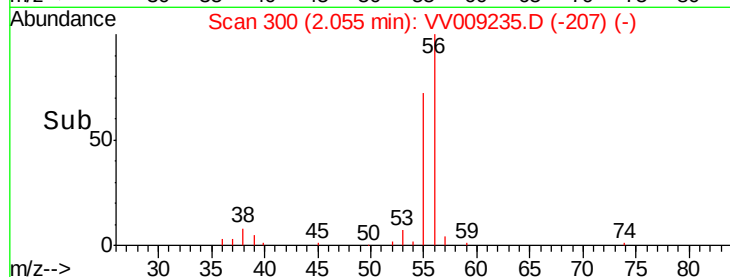
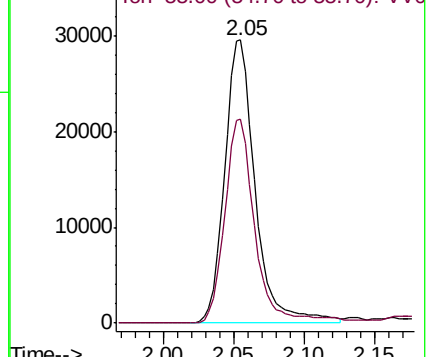
Ion Ratio Lower Upper

56 100

55 69.9 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 55.00 (54.70 to 55.70): VV0



#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

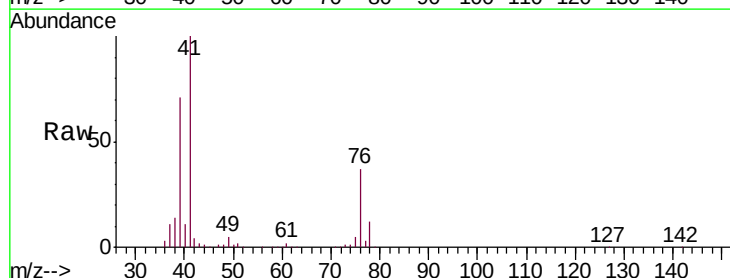
Tgt Ion: 41 Resp: 251082

Ion Ratio Lower Upper

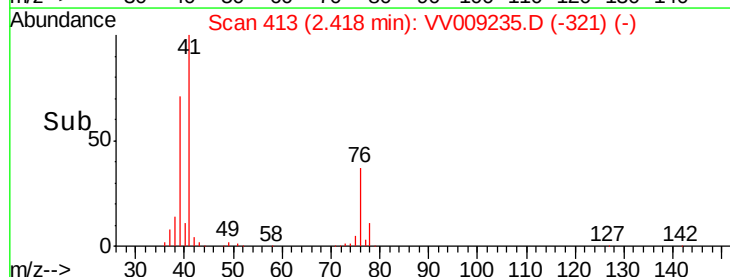
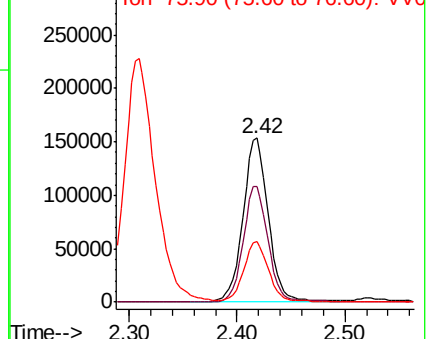
41 100

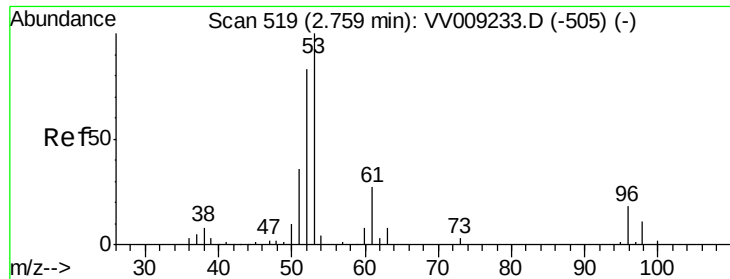
39 69.5 55.1 82.7

76 35.4 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VV0
Ion 39.00 (38.70 to 39.70): VV0
Ion 75.90 (75.60 to 76.60): VV0





#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

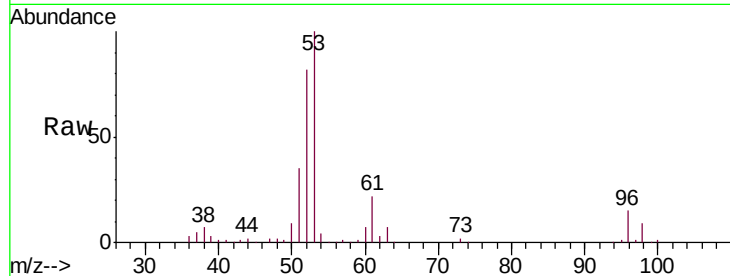
Tgt Ion: 53 Resp: 169533

Ion Ratio Lower Upper

53 100

52 80.6 65.3 97.9

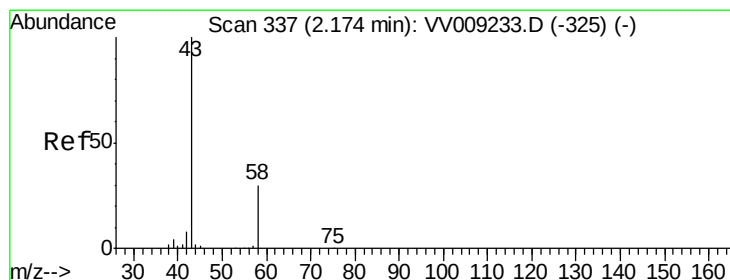
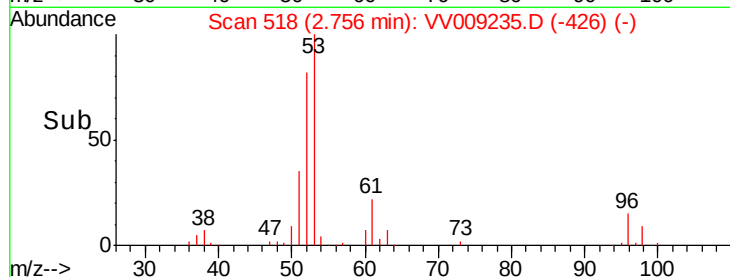
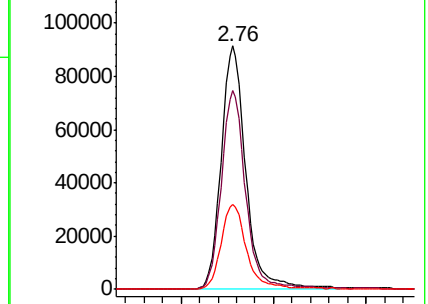
51 36.3 29.0 43.4



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

Ion 52.00 (51.70 to 52.70): VV009235.D (-426) (-)

Ion 51.00 (50.70 to 51.70): 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

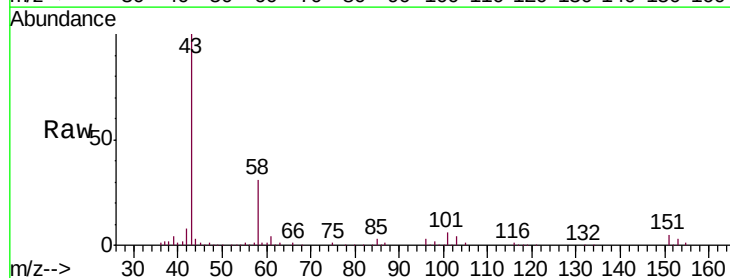
Acq: 22 Jan 2019 14:20

Tgt Ion: 43 Resp: 211861

Ion Ratio Lower Upper

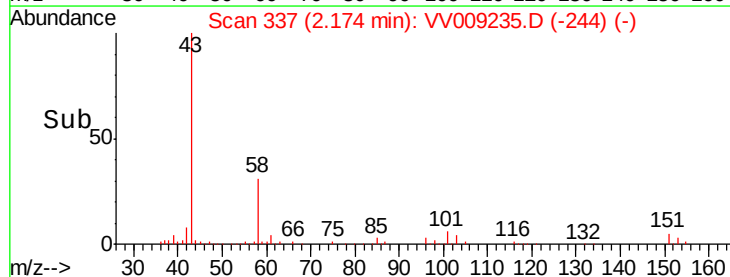
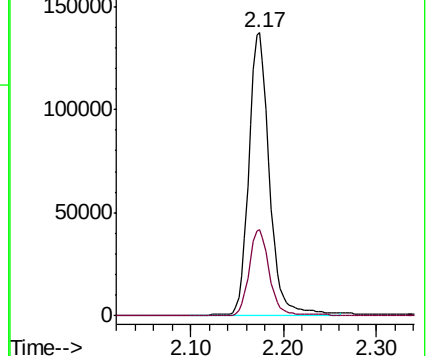
43 100

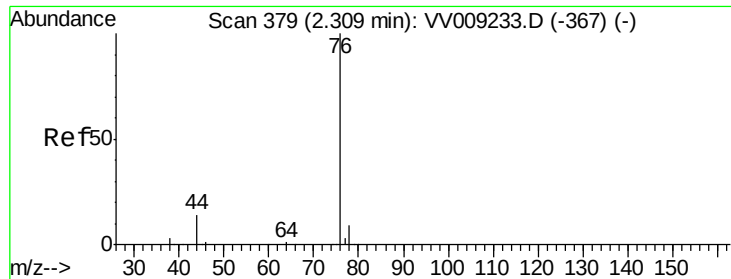
58 30.7 24.4 36.6



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

Ion 58.00 (57.70 to 58.70): 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 :

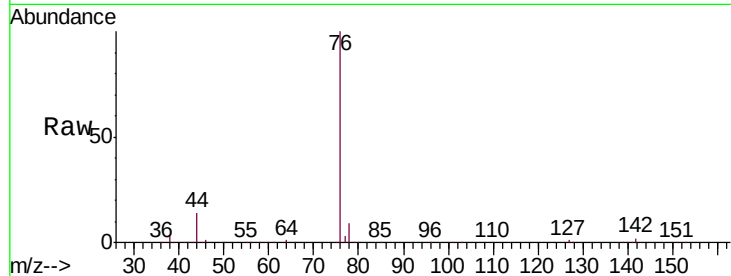
VSTDIC150

Tgt Ion: 76 Resp: 446306

Ion Ratio Lower Upper

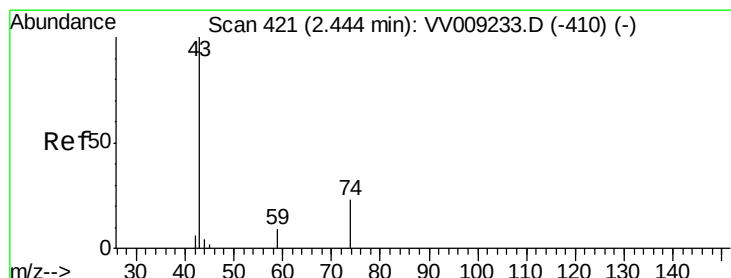
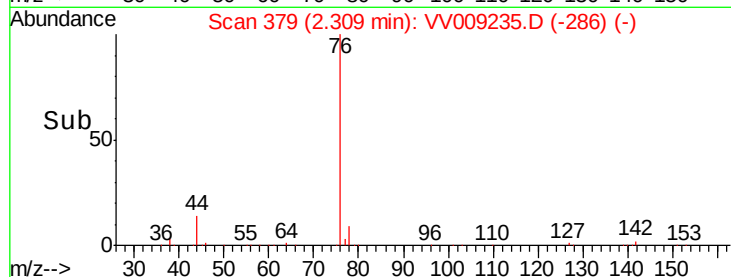
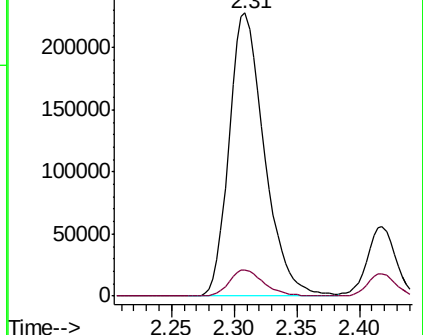
76 100

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) (-)



#18

Methyl Acetate

Concen: 126.330 ug/l

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV009235.D

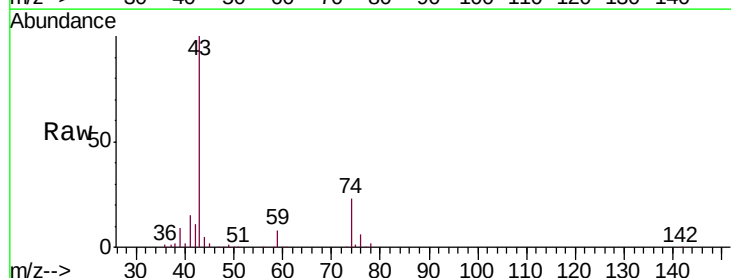
Acq: 22 Jan 2019 14:20

Tgt Ion: 43 Resp: 106466

Ion Ratio Lower Upper

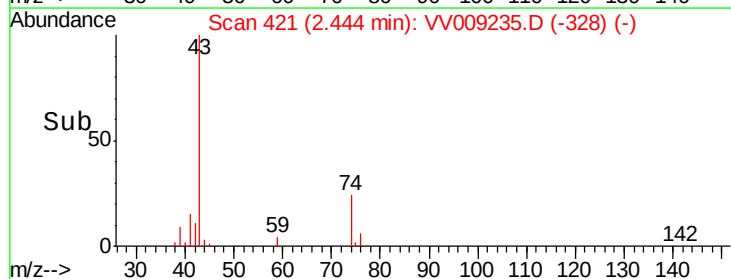
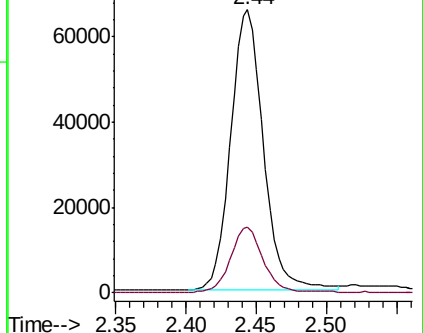
43 100

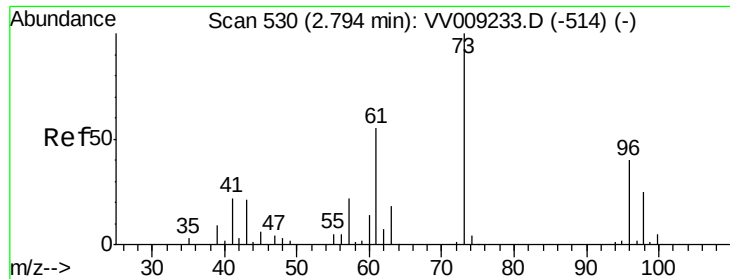
74 23.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV009235.D (-328) (-)

Ion 74.00 (73.70 to 74.70): VV009235.D (-328) (-)

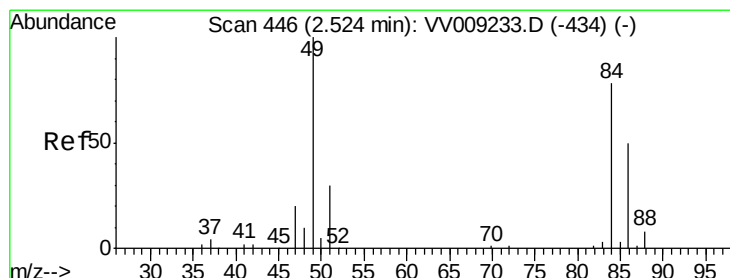
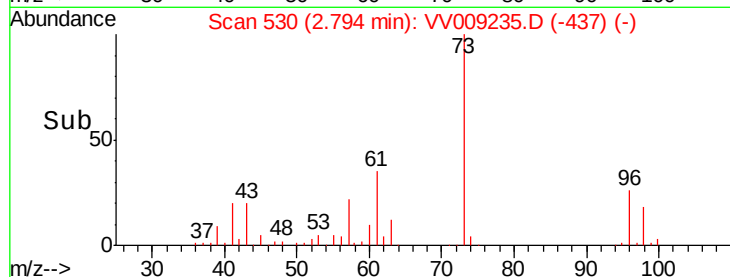
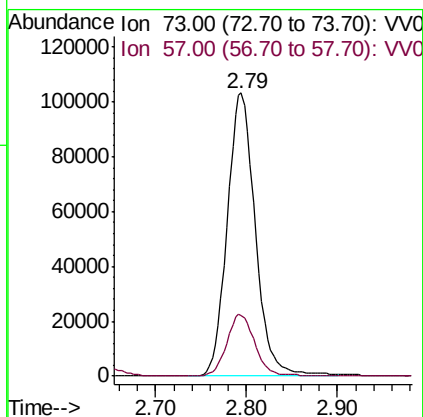
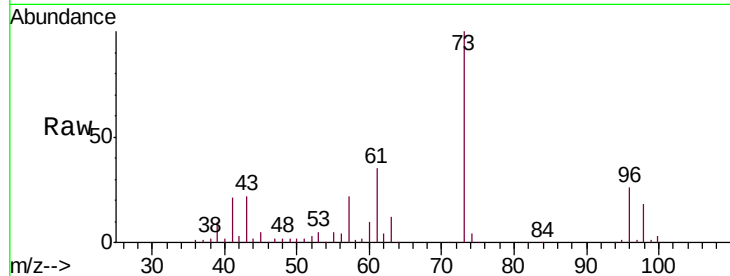




#19
Methyl tert-butyl Ether
Concen: 139.477 ug/l
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

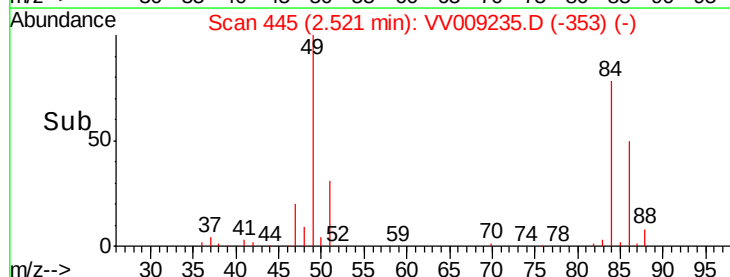
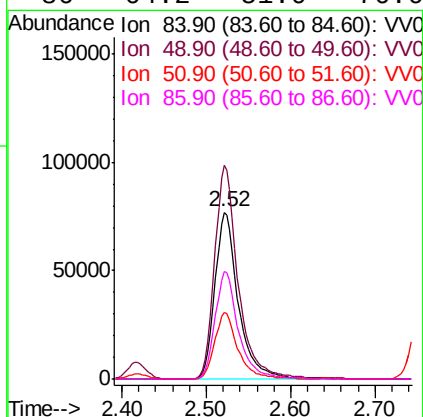
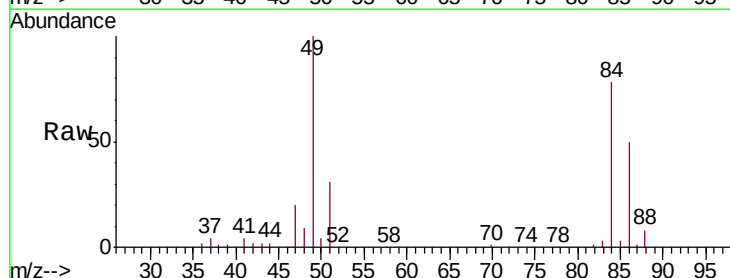
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

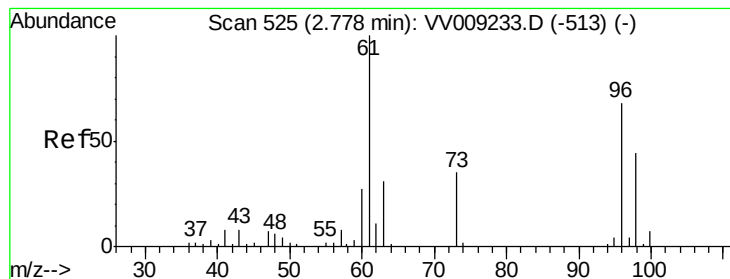
Tgt Ion: 73 Resp: 221533
Ion Ratio Lower Upper
73 100
57 21.6 18.0 27.0



#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

Tgt 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





#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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

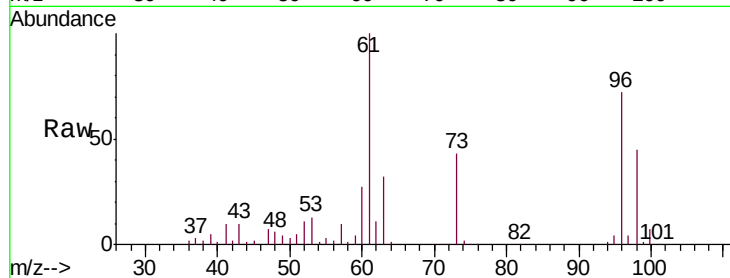
Tgt Ion: 96 Resp: 154306

Ion Ratio Lower Upper

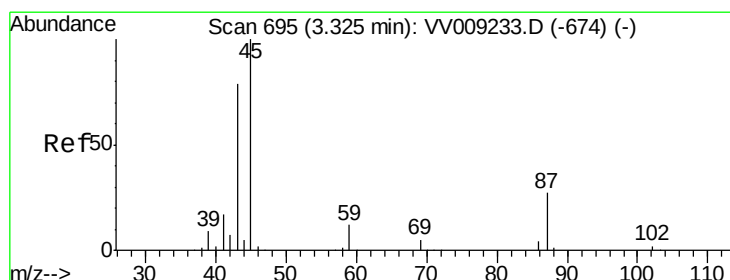
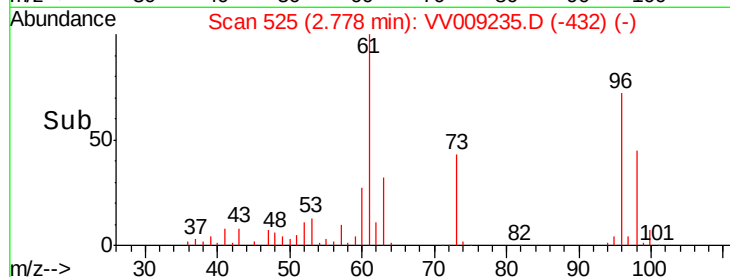
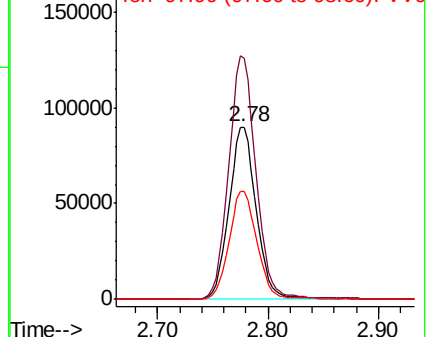
96 100

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

Tgt Ion: 45 Resp: 539990

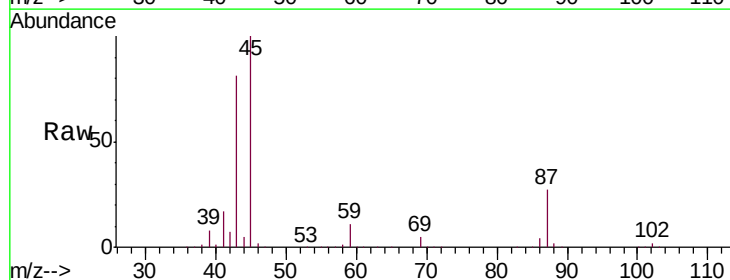
Ion Ratio Lower Upper

45 100

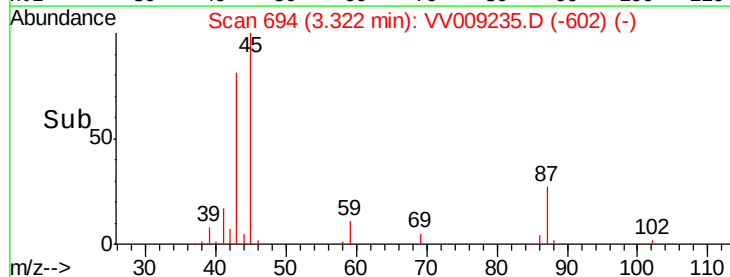
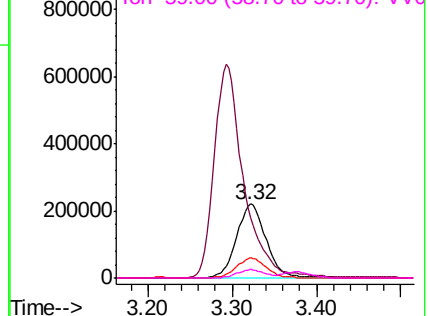
43 80.3 63.0 94.4

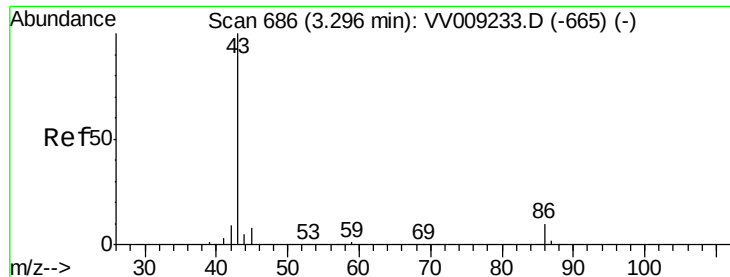
87 26.9 21.5 32.3

59 11.3 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 87.00 (86.70 to 87.70): VV0
Ion 59.00 (58.70 to 59.70): VV0





#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

Instrument :

MSVOA_V

ClientSampleId :

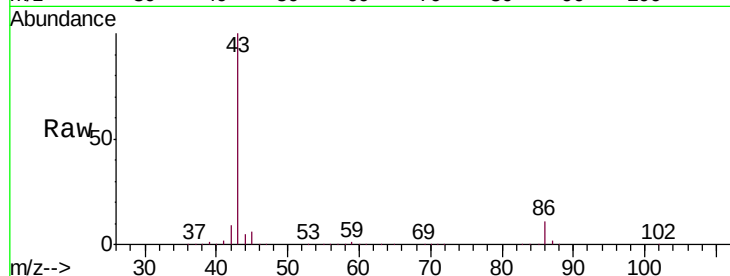
VSTDIC150

Tgt Ion: 43 Resp: 1561318

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VV009235.D (-665) (-)

Ion 86.00 (85.70 to 86.70): VV009235.D (-665) (-)

3.29

600000

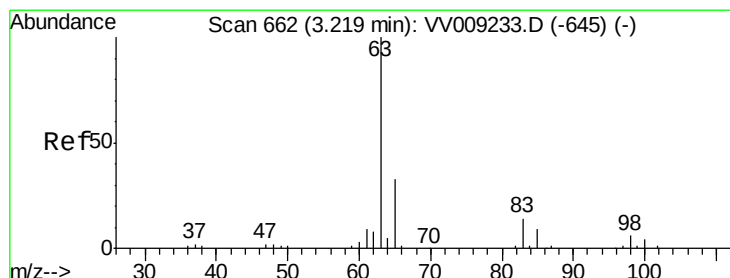
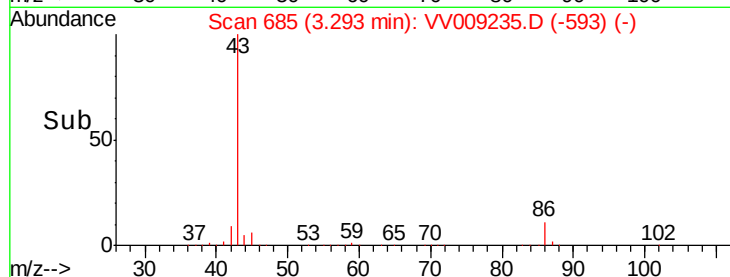
400000

200000

0

3.20 3.40 3.60

Time-->



#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

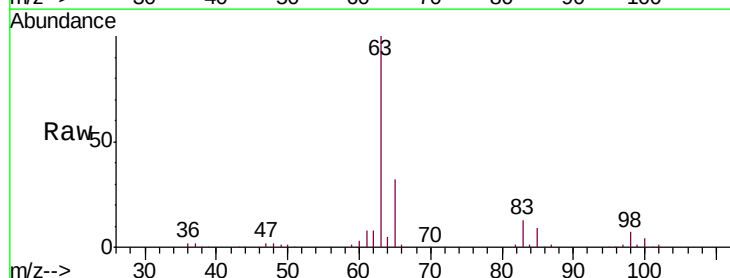
Tgt Ion: 63 Resp: 331884

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): VV009235.D (-569) (-)

Ion 97.90 (97.60 to 98.60): VV009235.D (-569) (-)

Ion 99.90 (99.60 to 100.60): VV009235.D (-569) (-)

3.22

200000

150000

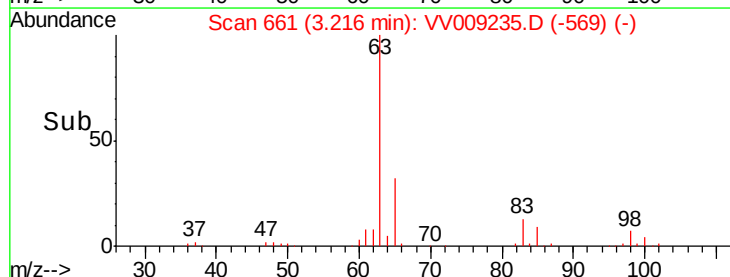
100000

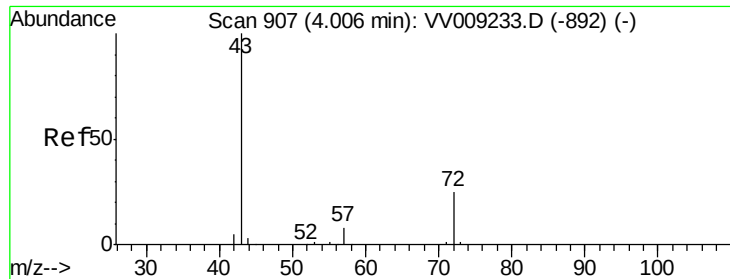
50000

0

3.10 3.20 3.30 3.40

Time-->





#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

Instrument :

MSVOA_V

ClientSampleId :

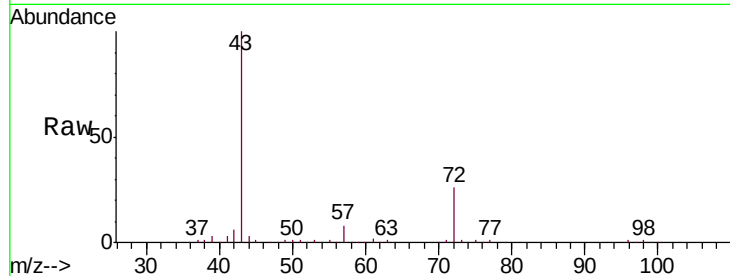
VSTDIC150

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): VV009233.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV009233.D (-892) (-)

120000

100000

80000

60000

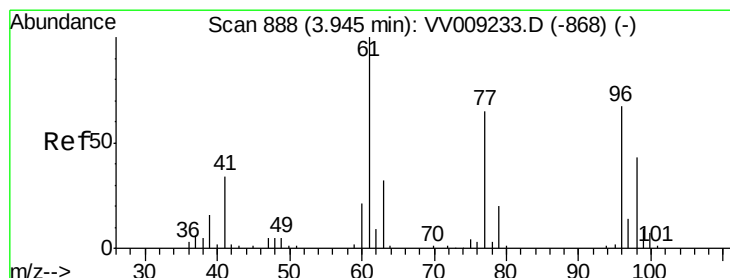
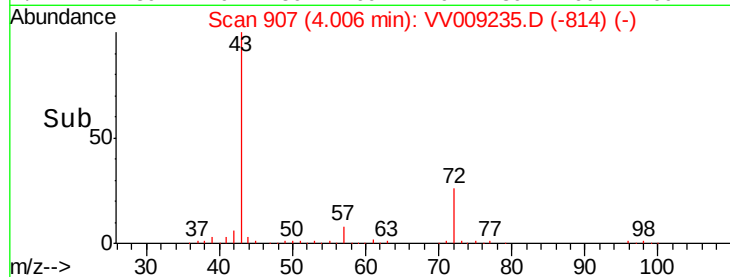
40000

20000

0

3.90 3.95 4.00 4.05 4.10

Time-->



#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

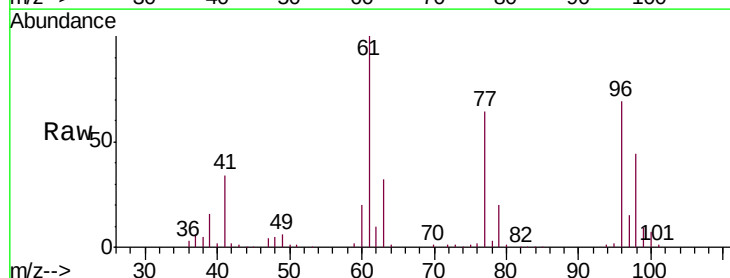
Acq: 22 Jan 2019 14:20

Tgt 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): VV009235.D (-795) (-)

Ion 96.90 (96.60 to 97.60): VV009235.D (-795) (-)

80000

60000

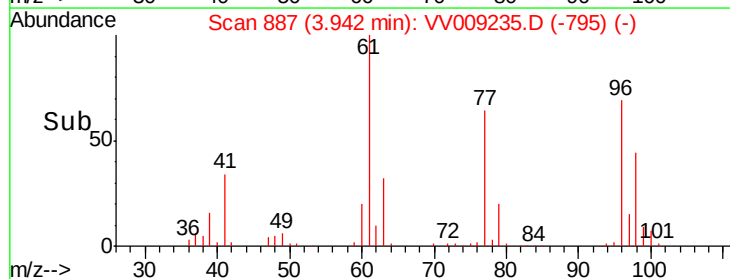
40000

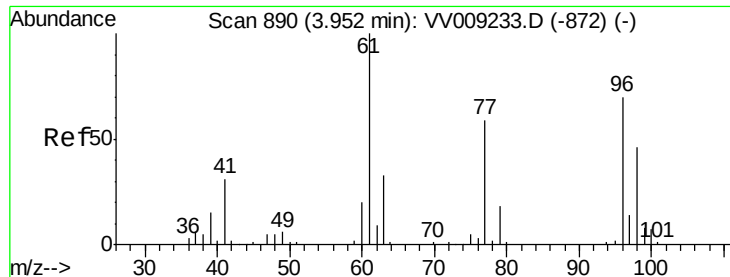
20000

0

3.80 3.90 4.00 4.10

Time-->





#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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

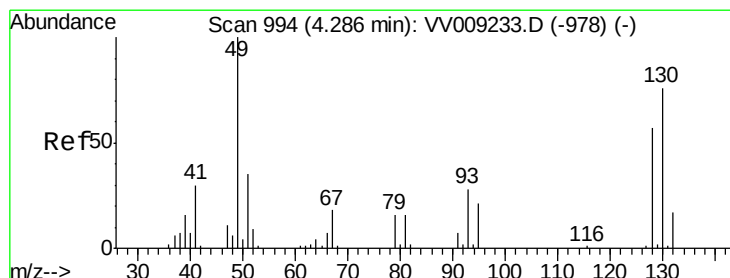
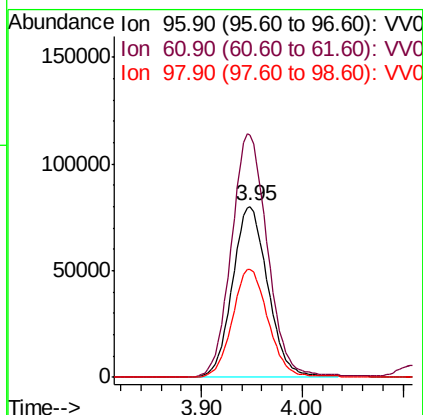
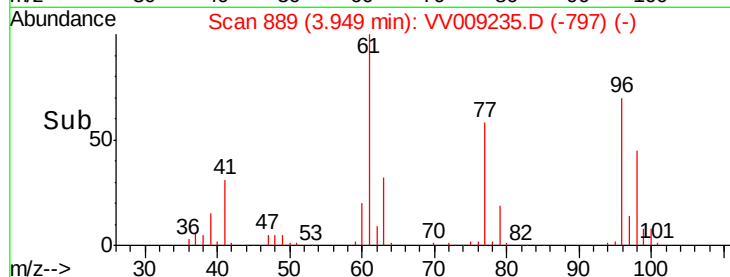
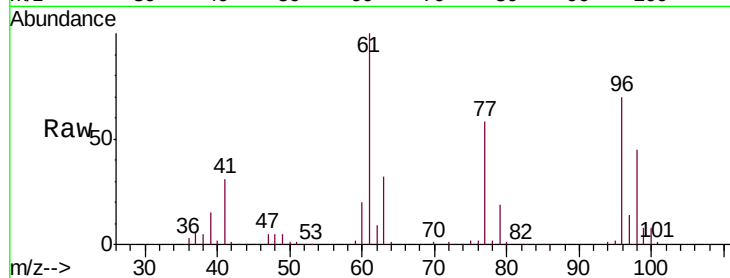
Tgt Ion: 96 Resp: 195545

Ion Ratio Lower Upper

96 100

61 145.6 0.0 296.4

98 63.3 0.0 130.0



#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

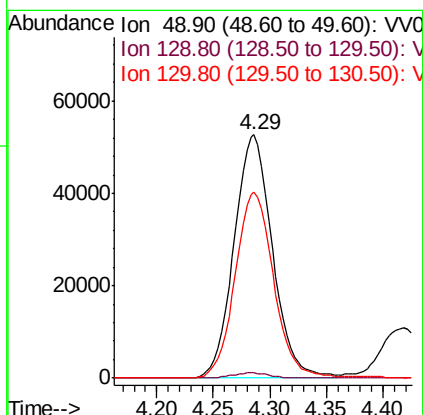
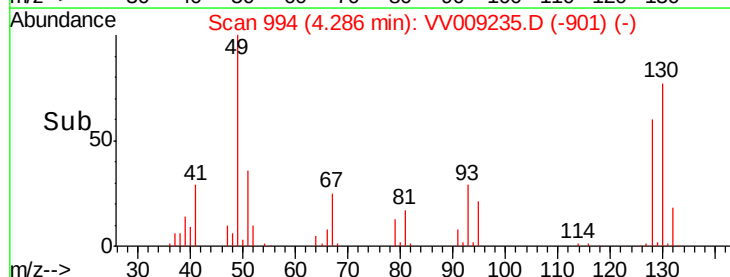
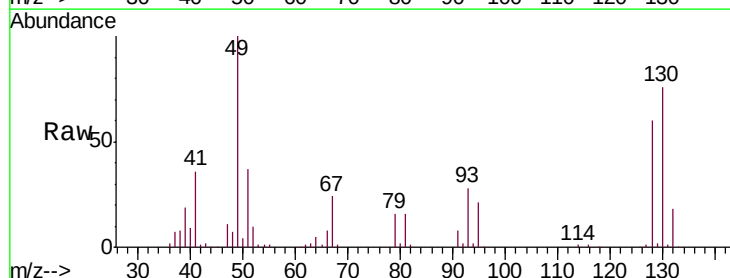
Tgt Ion: 49 Resp: 124578

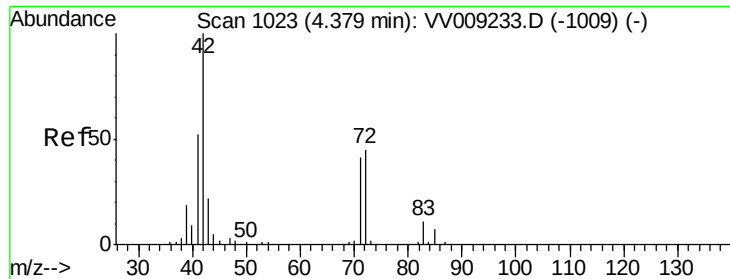
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.6

130 76.4 60.2 90.4





#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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

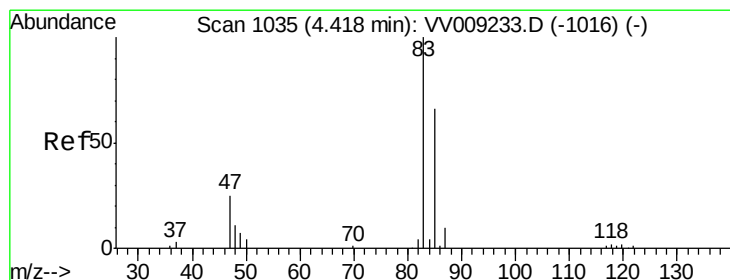
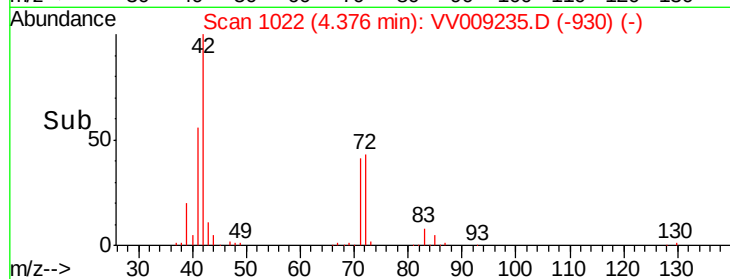
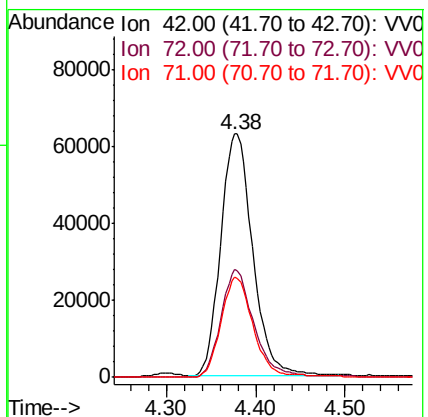
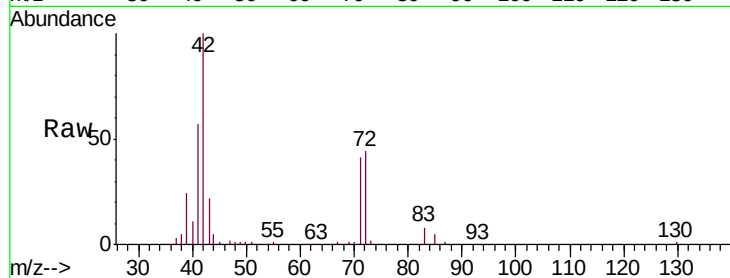
Tgt Ion: 42 Resp: 156585

Ion Ratio Lower Upper

42 100

72 45.6 37.7 56.5

71 41.5 31.5 47.3



#30

Chloroform

Concen: 133.434 ug/l

RT: 4.41 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VV009235.D

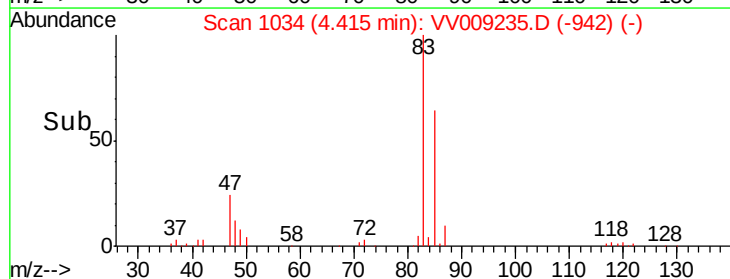
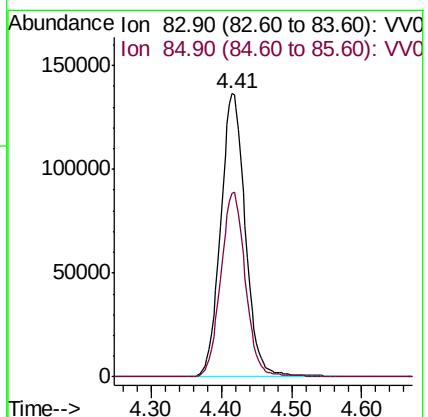
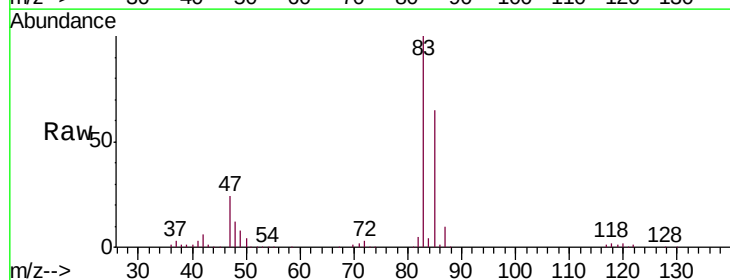
Acq: 22 Jan 2019 14:20

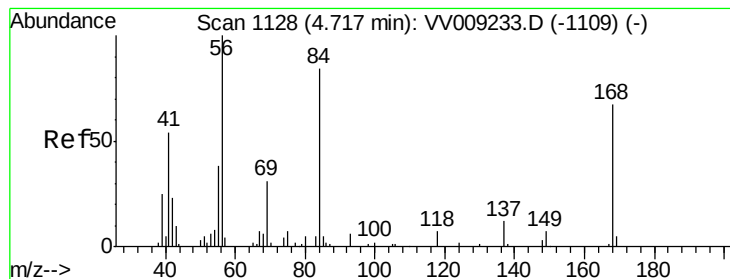
Tgt Ion: 83 Resp: 333886

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

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

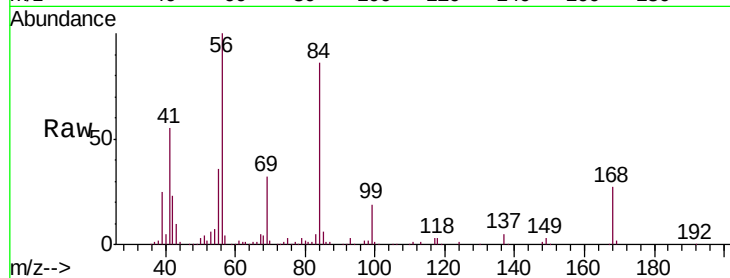
Tgt Ion: 56 Resp: 288726

Ion Ratio Lower Upper

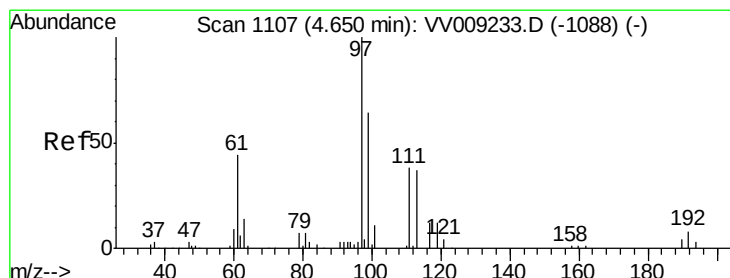
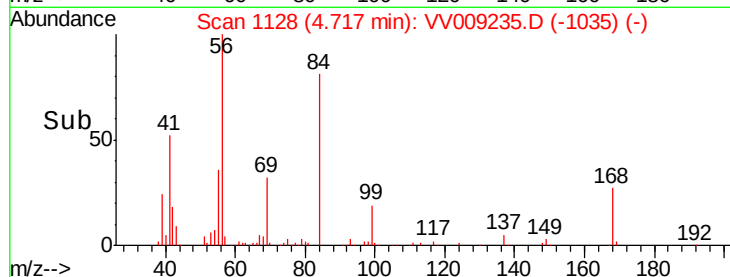
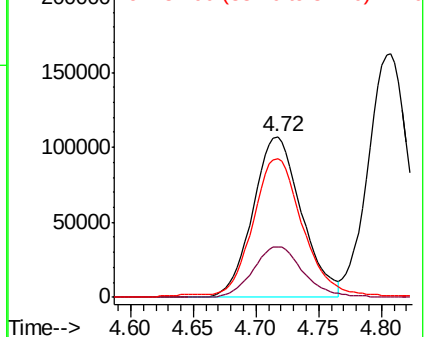
56 100

69 31.8 25.1 37.7

84 84.6 67.3 100.9



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#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

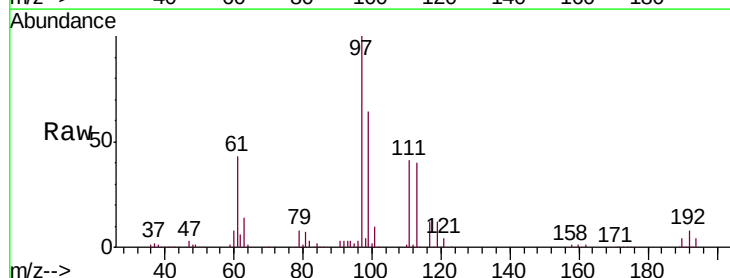
Tgt Ion: 97 Resp: 279940

Ion Ratio Lower Upper

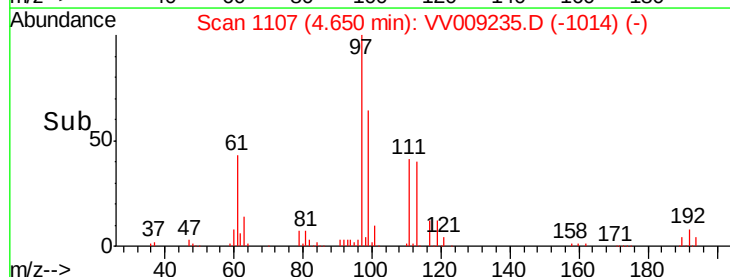
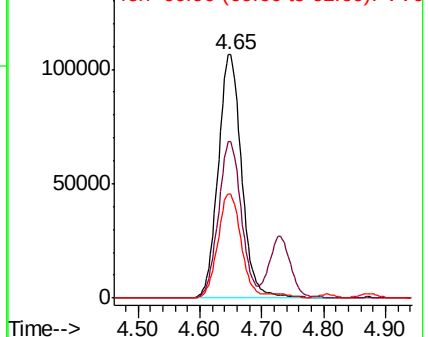
97 100

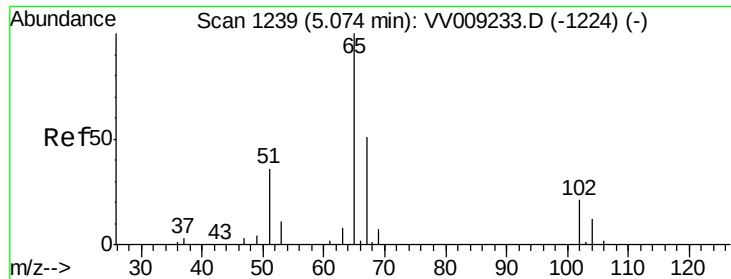
99 62.7 50.2 75.2

61 42.5 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VV0
Ion 98.90 (98.60 to 99.60): VV0
Ion 60.90 (60.60 to 61.60): VV0

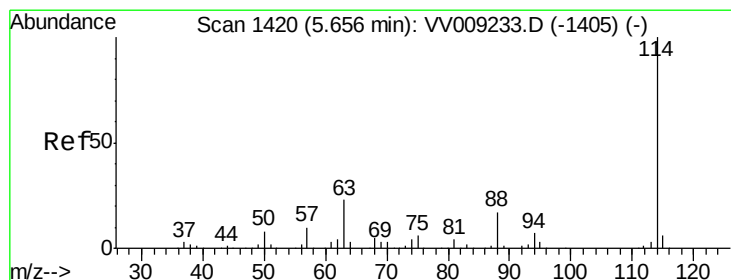
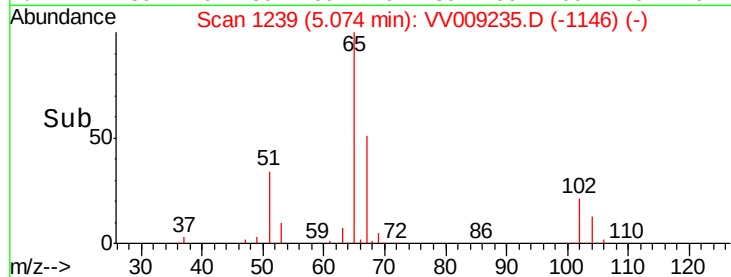
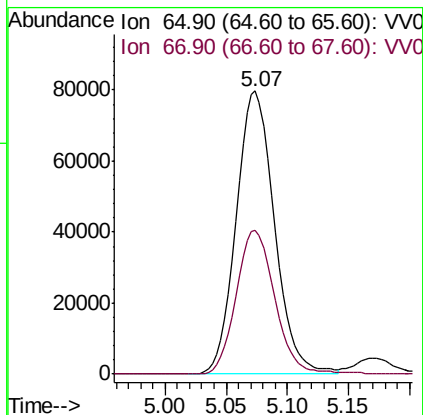
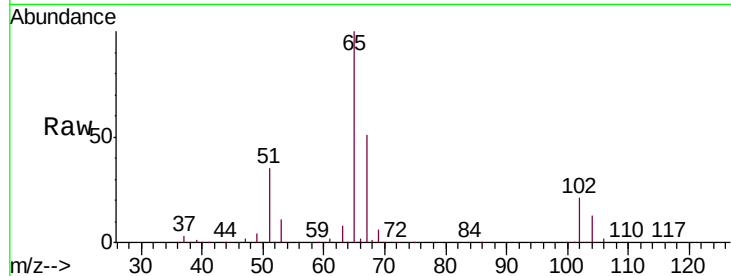




#33
 1,2-Dichloroethane-d4
 Concen: 130.549 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

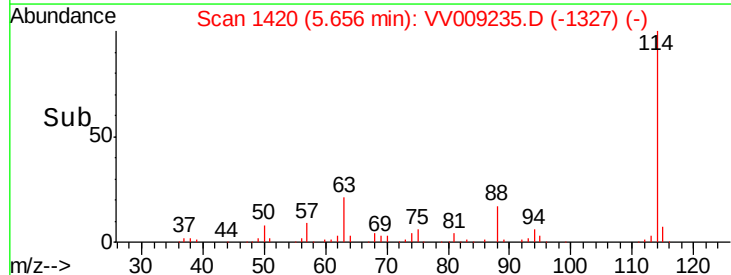
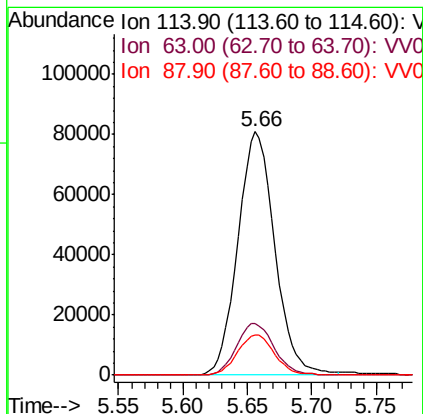
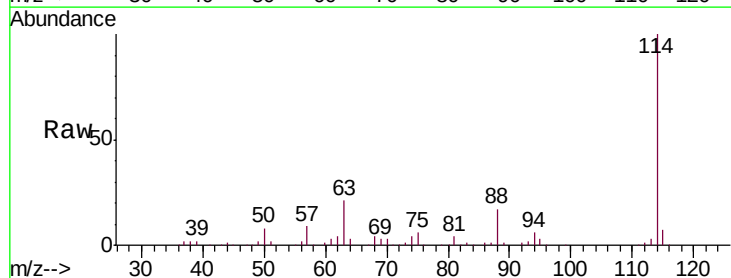
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

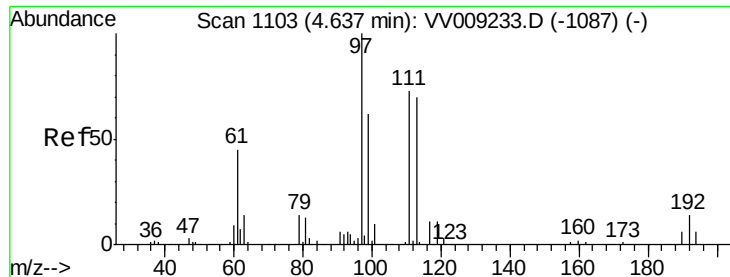
Tgt Ion: 65 Resp: 173271
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.8



#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

Tgt Ion: 114 Resp: 161452
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 45.2
 88 16.6 0.0 33.4

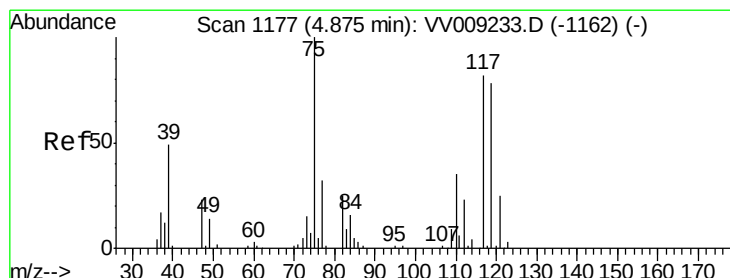
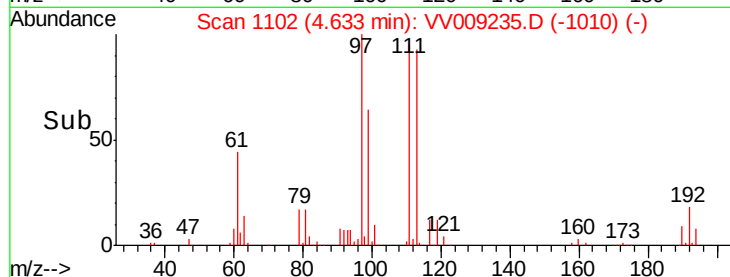
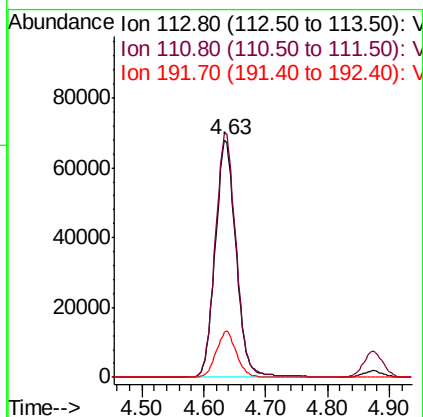
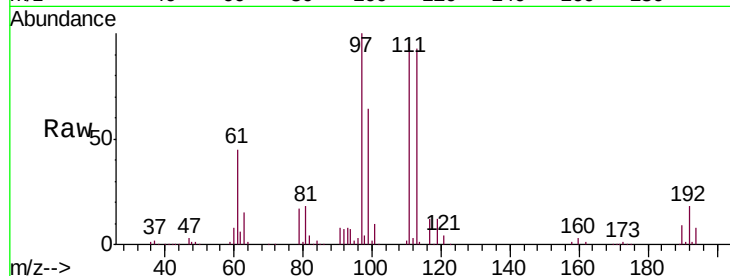




#35
 Dibromofluoromethane
 Concen: 148.626 ug/l
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

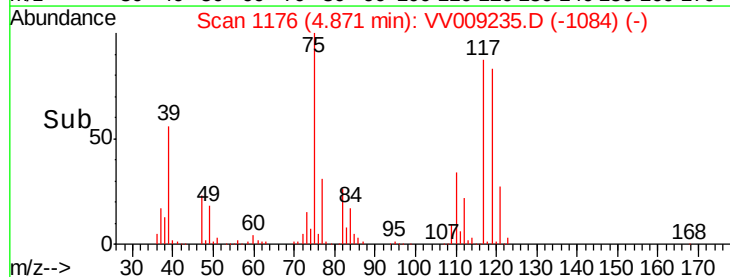
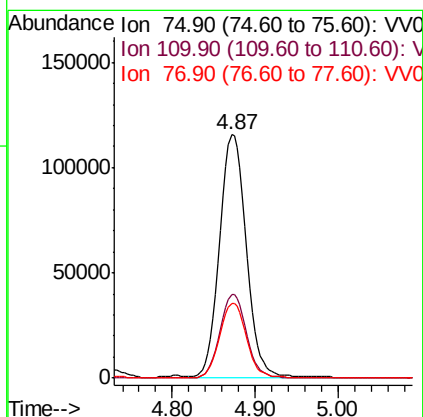
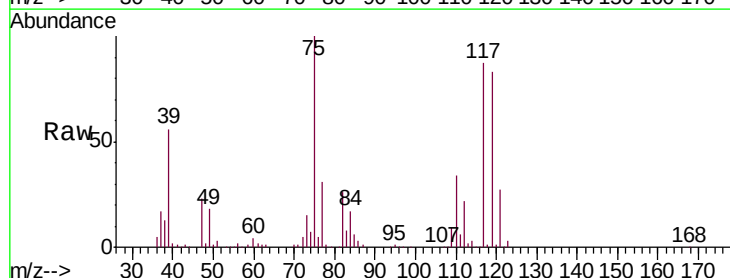
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

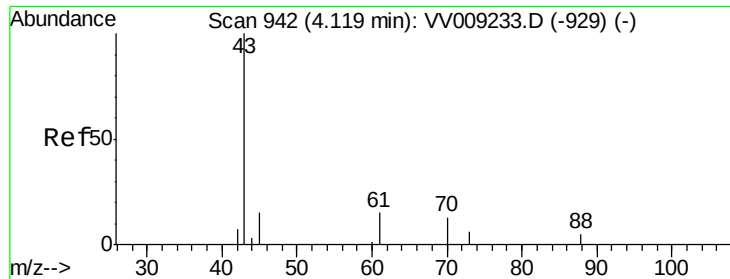
Tgt Ion:113 Resp: 159146
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.4 123.6
 192 18.9 15.0 22.6



#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

Tgt 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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

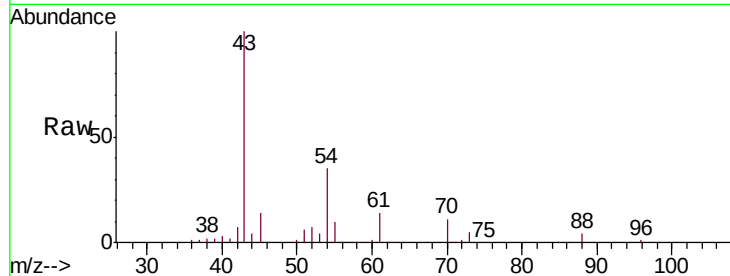
Tgt Ion: 43 Resp: 112396

Ion Ratio Lower Upper

43 100

61 13.3 12.0 18.0

70 10.6 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VV009235.D (-849) (-)

Ion 60.90 (60.60 to 61.60): VV009235.D (-849) (-)

Ion 70.00 (69.70 to 70.70): VV009235.D (-849) (-)

150000

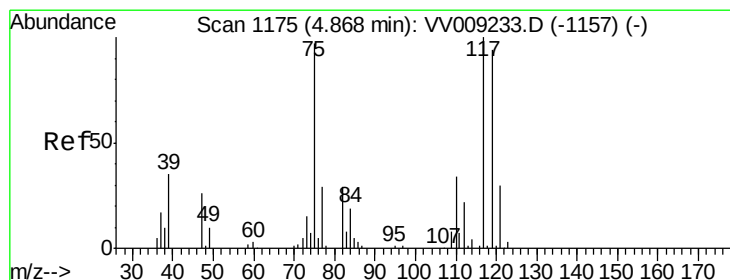
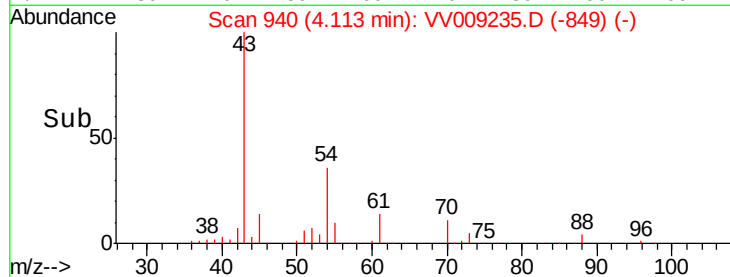
100000

50000

0

4.00 4.10 4.20

Time-->



#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

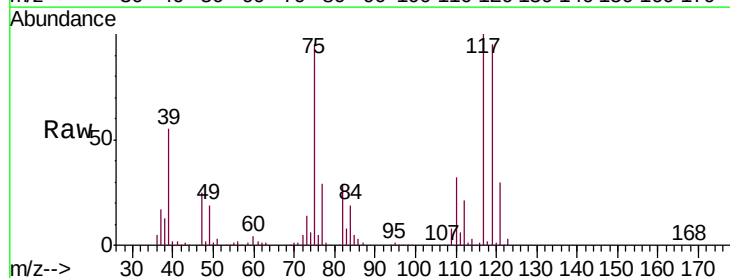
Tgt Ion: 117 Resp: 261796

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): VV009235.D (-1082) (-)

Ion 118.80 (118.50 to 119.50): VV009235.D (-1082) (-)

Ion 120.80 (120.50 to 121.50): VV009235.D (-1082) (-)

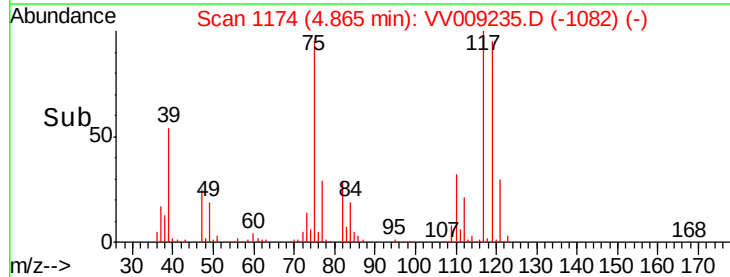
100000

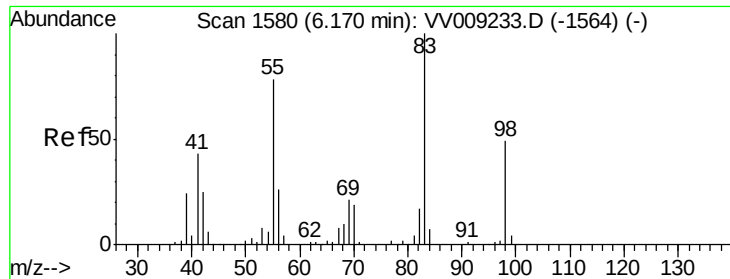
50000

0

4.70 4.80 4.90 5.00

Time-->

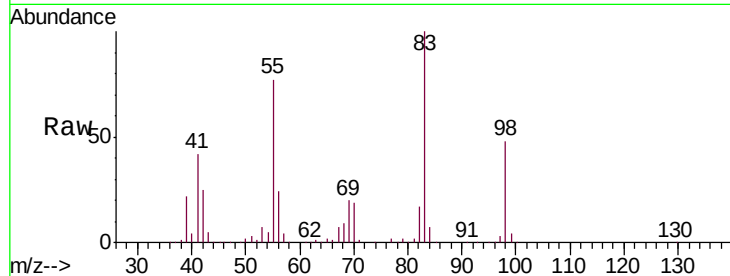




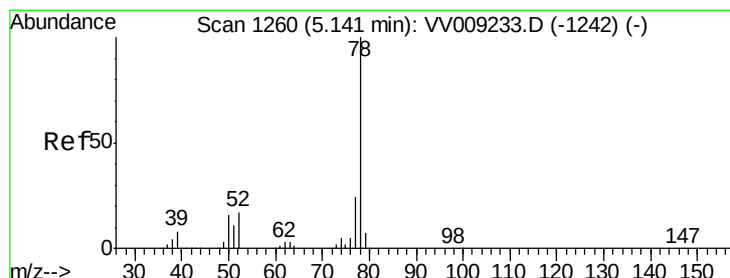
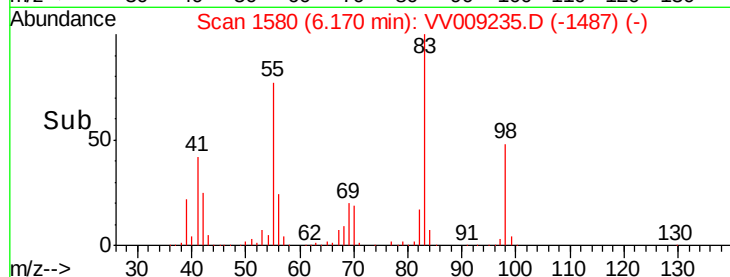
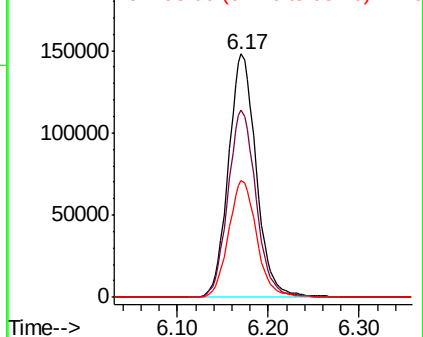
#39
Methylcyclohexane
Concen: 156.350 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

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

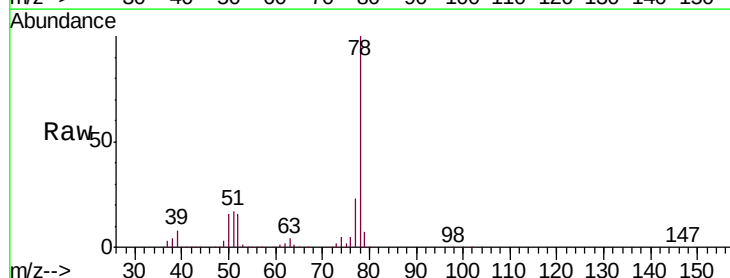


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

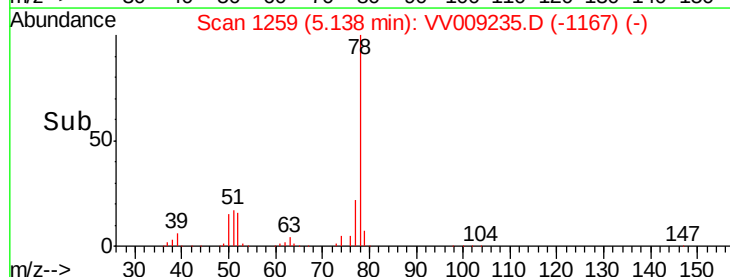
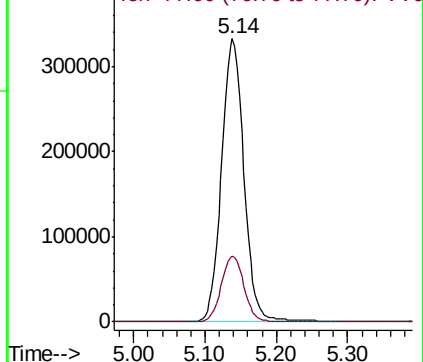


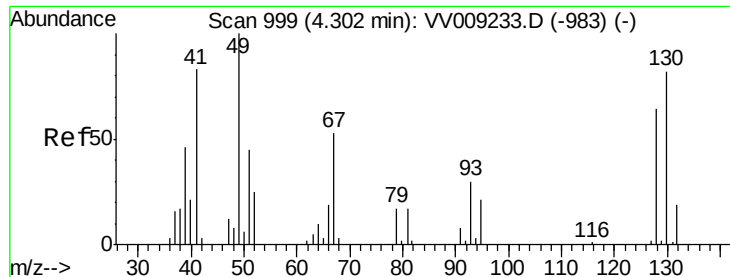
#40
Benzene
Concen: 147.078 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt 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): VV0
Ion 77.00 (76.70 to 77.70): VV0

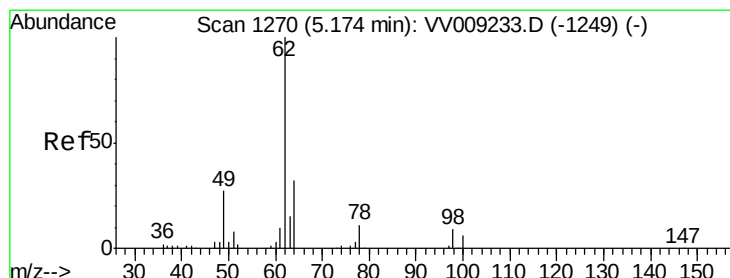
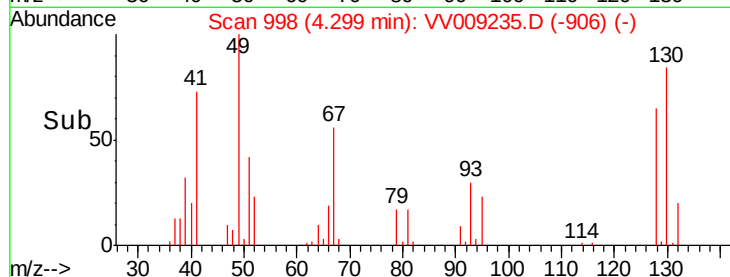
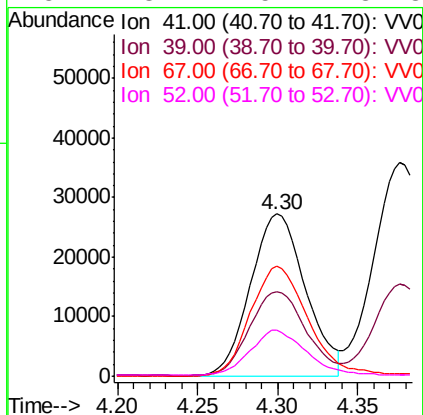
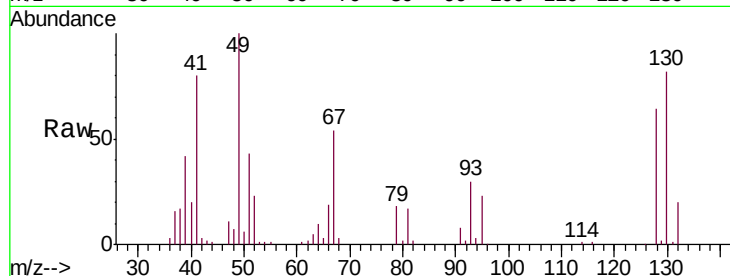




#41
Methacrylonitrile
Concen: 151.978 ug/l
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

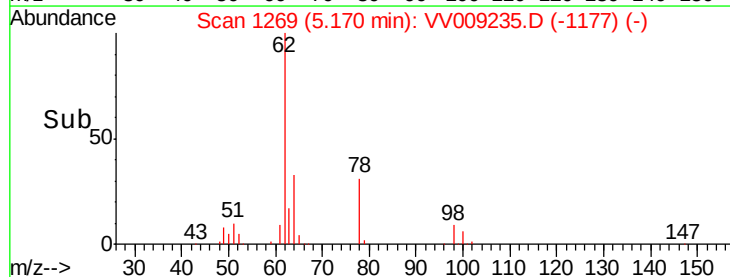
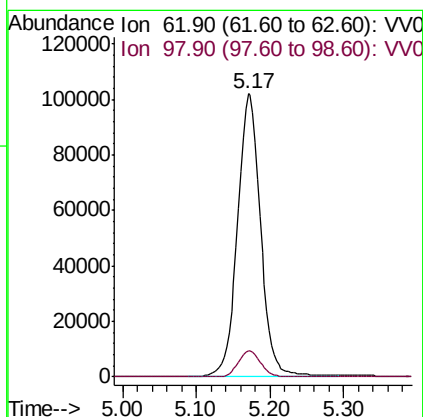
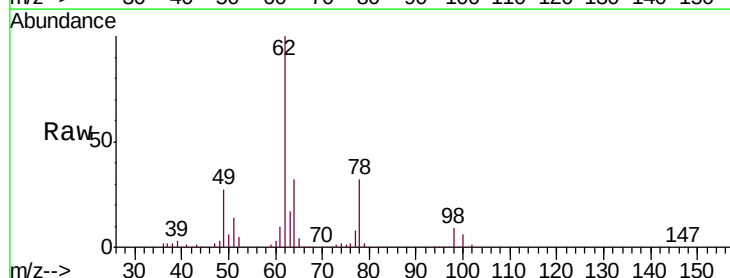
Instrument :
MSVOA_V
ClientSampled :
VSTDIC150

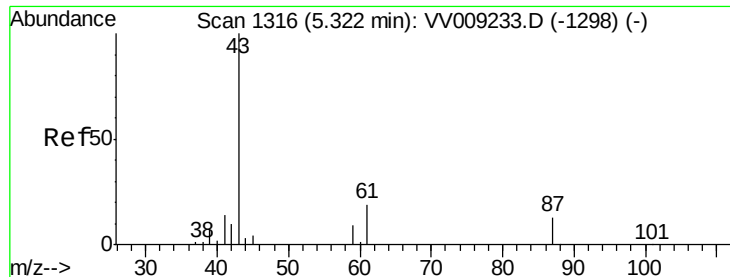
Tgt Ion: 41 Resp: 64983
Ion Ratio Lower Upper
41 100
39 52.9 45.4 68.0
67 72.9 55.5 83.3
52 28.1 25.2 37.8



#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

Tgt Ion: 62 Resp: 224771
Ion Ratio Lower Upper
62 100
98 8.9 0.0 16.4





#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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

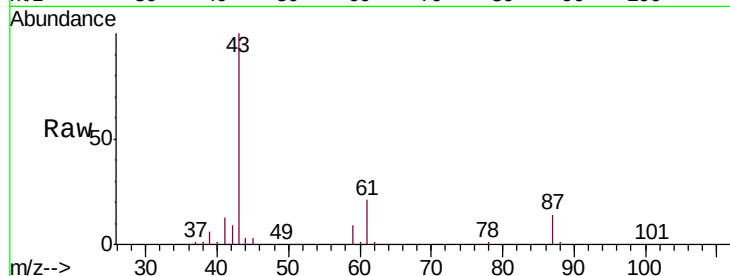
Tgt Ion: 43 Resp: 214918

Ion Ratio Lower Upper

43 100

61 20.5 15.4 23.0

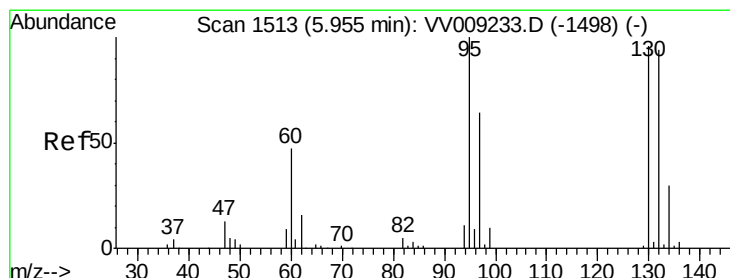
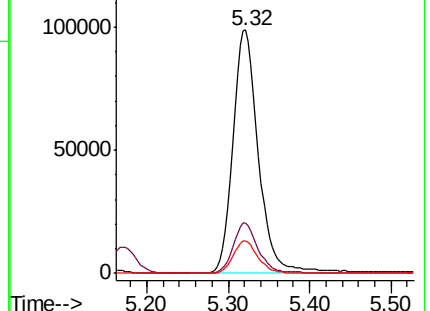
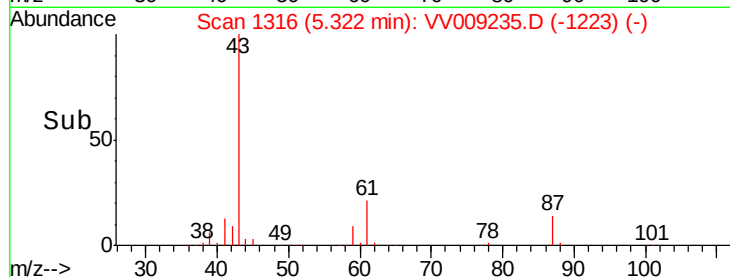
87 13.1 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VV009235.D (-1223) (-)

Ion 61.00 (60.70 to 61.70): VV009235.D (-1223) (-)

Ion 87.00 (86.70 to 87.70): VV009235.D (-1223) (-)



#44

Trichloroethene

Concen: 151.653 ug/l

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV009235.D

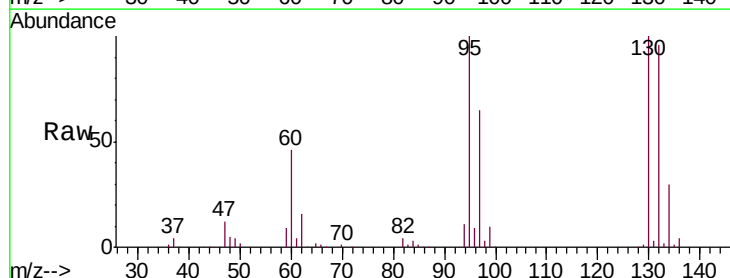
Acq: 22 Jan 2019 14:20

Tgt Ion: 130 Resp: 192803

Ion Ratio Lower Upper

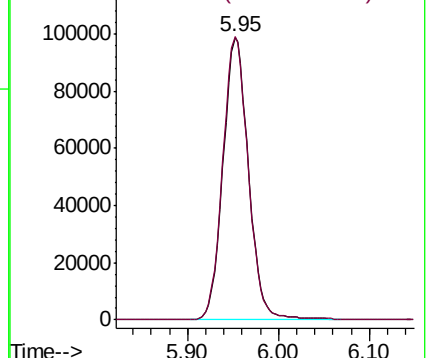
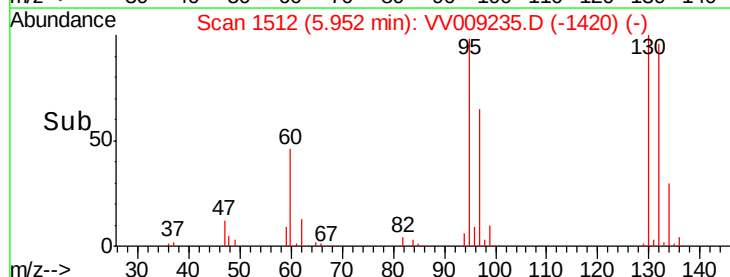
130 100

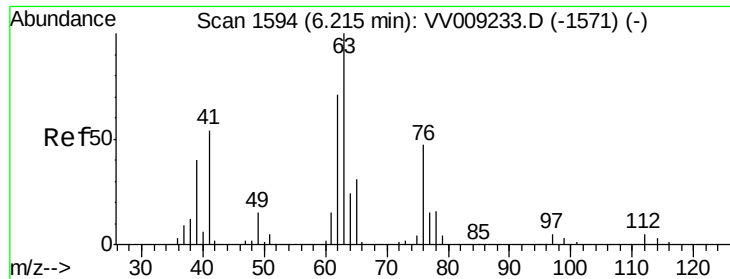
95 100.3 0.0 208.2



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

Ion 94.90 (94.60 to 95.60): VV009235.D (-1420) (-)

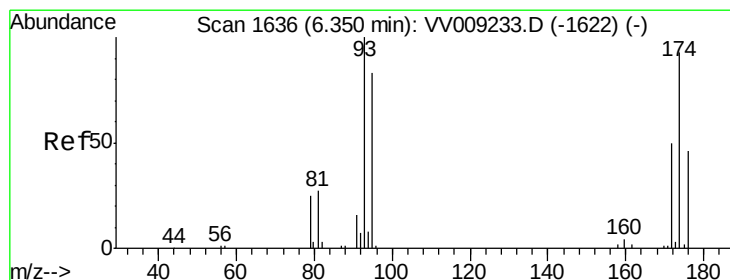
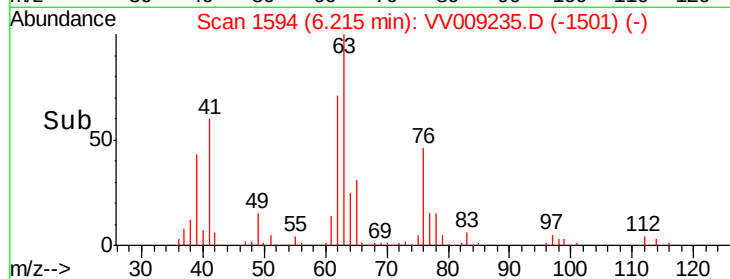
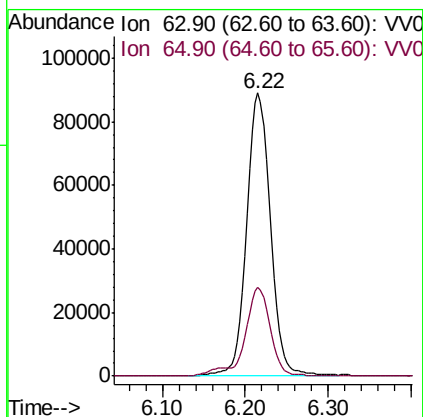
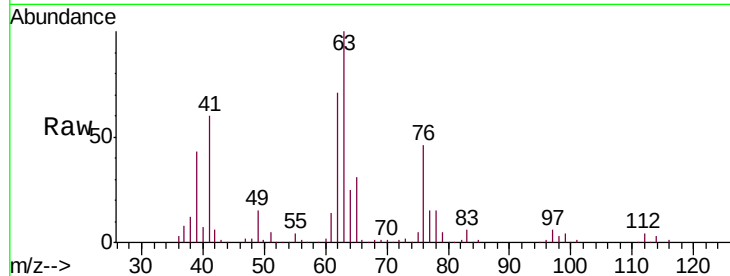




#45
 1,2-Dichloropropane
 Concen: 148.008 ug/l
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

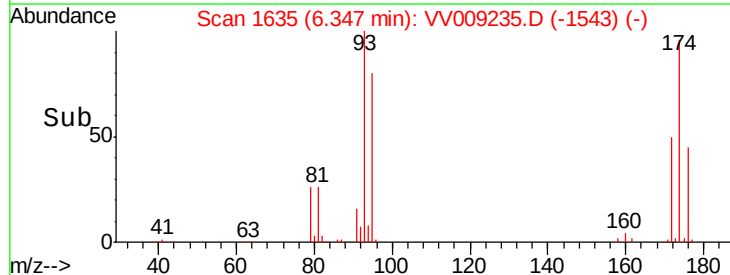
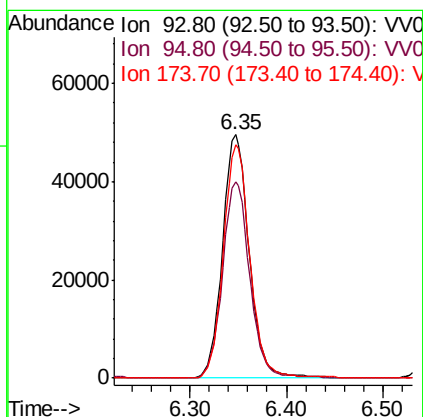
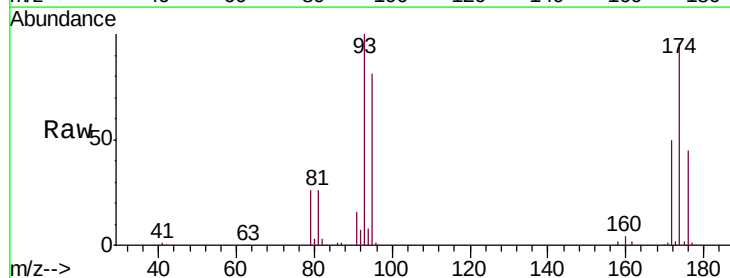
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

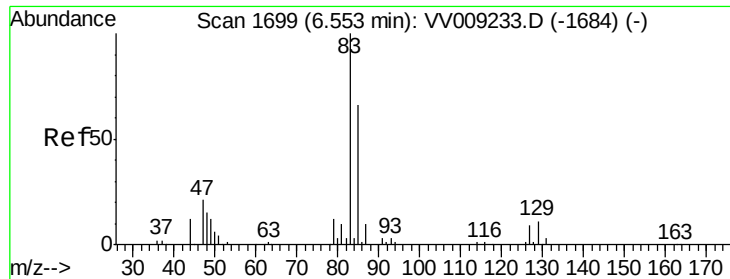
Tgt Ion: 63 Resp: 178112
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.1 37.7



#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

Tgt Ion: 93 Resp: 94826
 Ion Ratio Lower Upper
 93 100
 95 82.6 64.6 97.0
 174 95.5 74.0 111.0





#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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

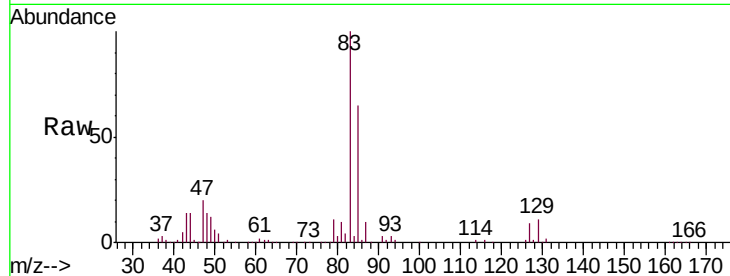
Tgt Ion: 83 Resp: 248667

Ion Ratio Lower Upper

83 100

85 65.1 52.6 78.8

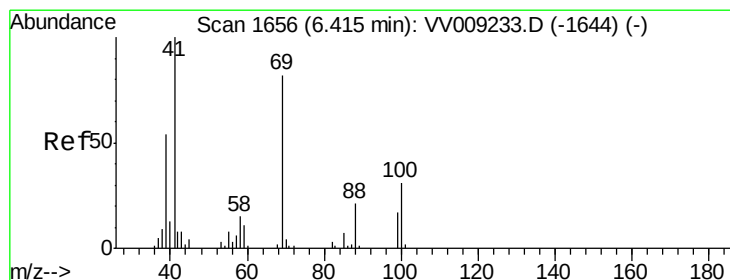
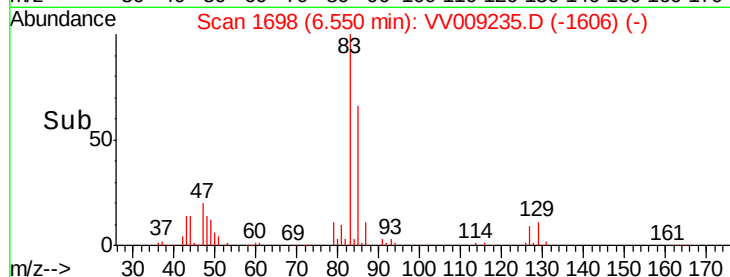
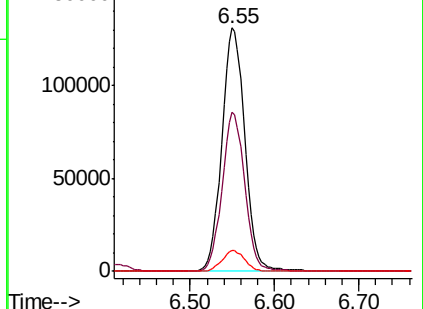
127 8.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VV009235.D (-1684) (-)

Ion 84.90 (84.60 to 85.60): VV009235.D (-1684) (-)

Ion 126.80 (126.50 to 127.50): VV009235.D (-1684) (-)



#48

Methyl 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

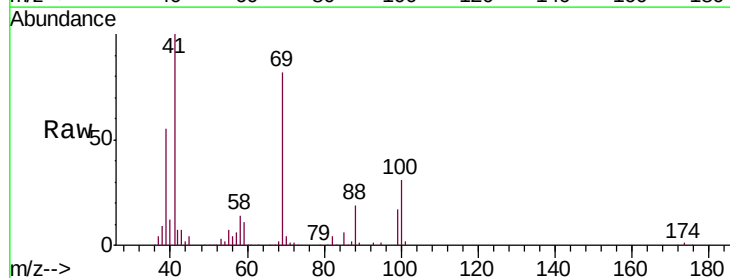
Tgt Ion: 41 Resp: 110502

Ion Ratio Lower Upper

41 100

69 83.5 65.8 98.6

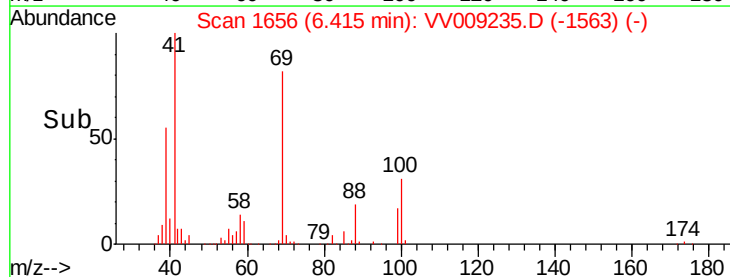
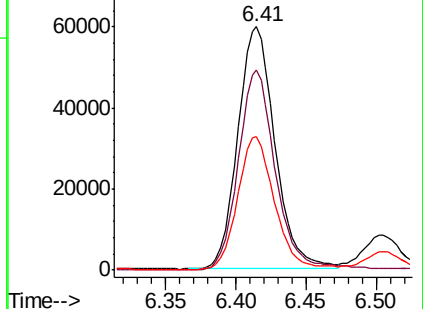
39 54.3 43.4 65.0

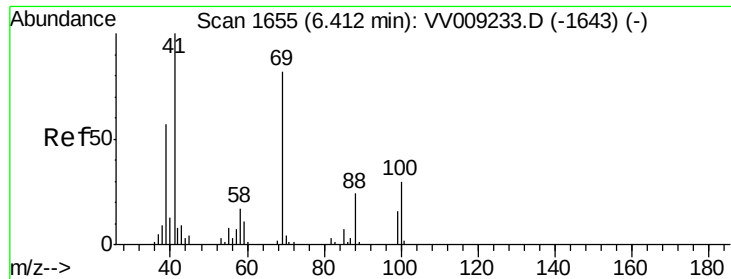


Abundance Ion 41.00 (40.70 to 41.70): VV009235.D (-1644) (-)

Ion 69.00 (68.70 to 69.70): VV009235.D (-1644) (-)

Ion 39.00 (38.70 to 39.70): VV009235.D (-1644) (-)

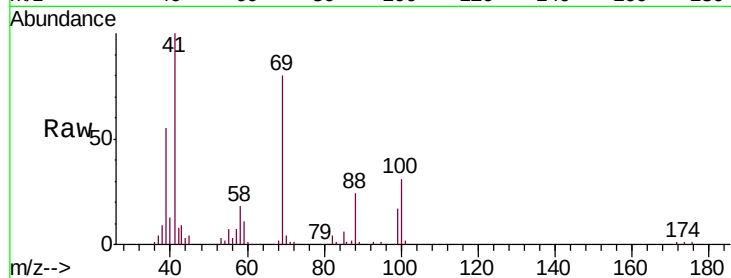




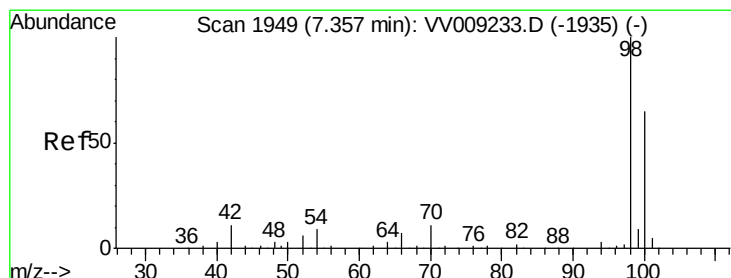
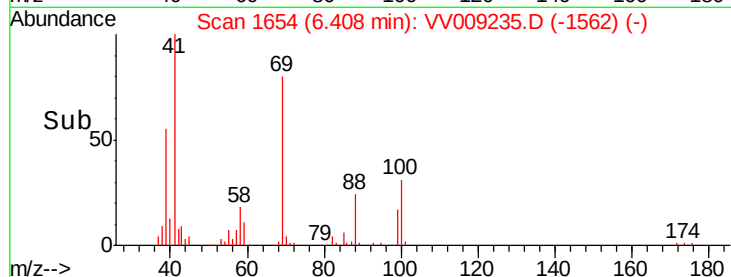
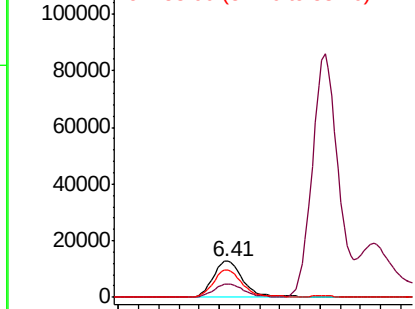
#49
1,4-Dioxane
Concen: 3099.437 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

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

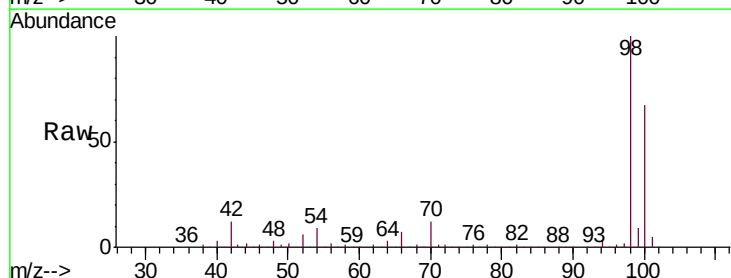


Abundance Ion 88.00 (87.70 to 88.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0

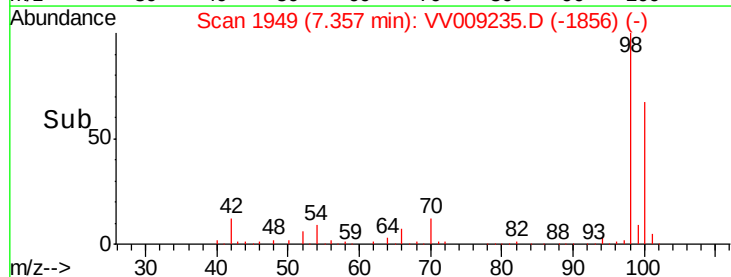
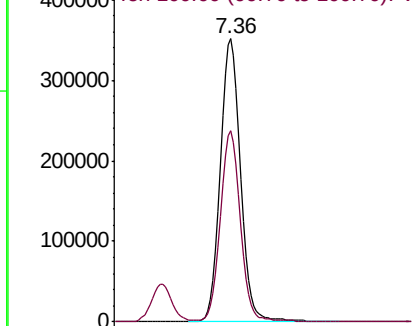


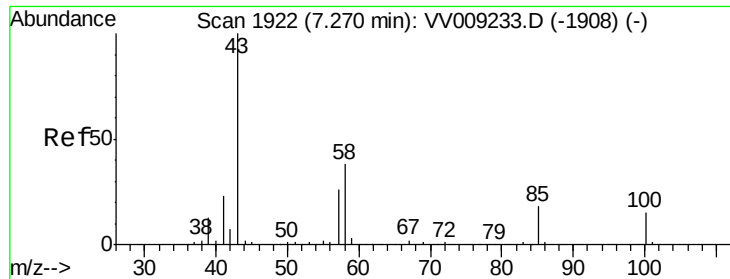
#50
Toluene-d8
Concen: 150.798 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Tgt 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): VV0
Ion 100.00 (99.70 to 100.70): VV0





#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

Instrument :

MSVOA_V

ClientSampleId :

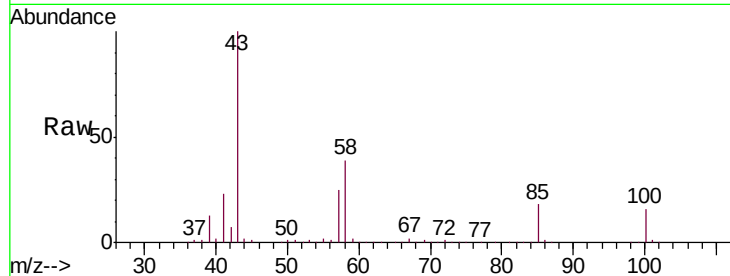
VSTDIC150

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): VV009233.D (-1908) (-)

Ion 58.00 (57.70 to 58.70): VV009233.D (-1908) (-)

7.27

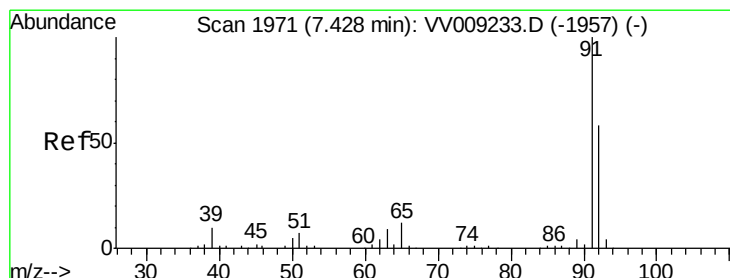
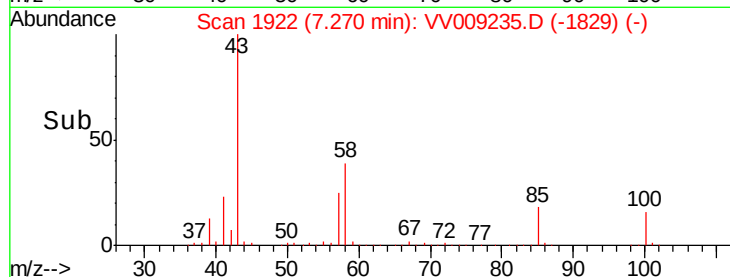
300000

200000

100000

0

Time--> 7.10 7.20 7.30 7.40



#52

Toluene

Concen: 150.650 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009235.D

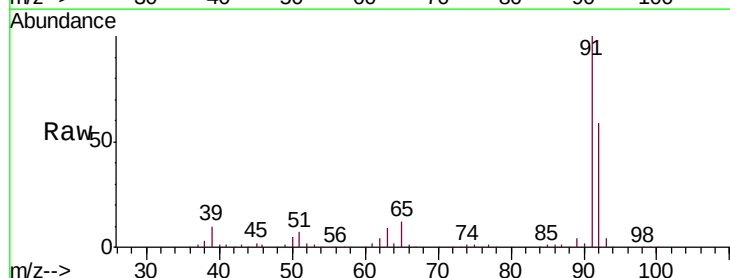
Acq: 22 Jan 2019 14:20

Tgt 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) (-)

7.43

500000

400000

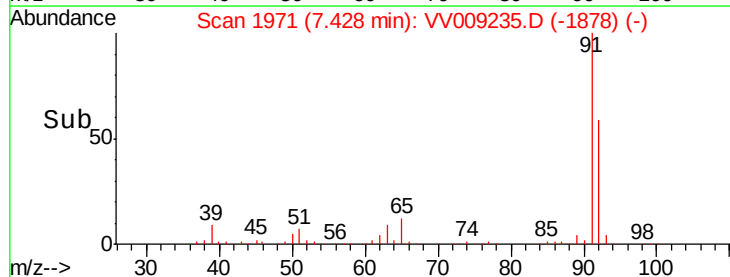
300000

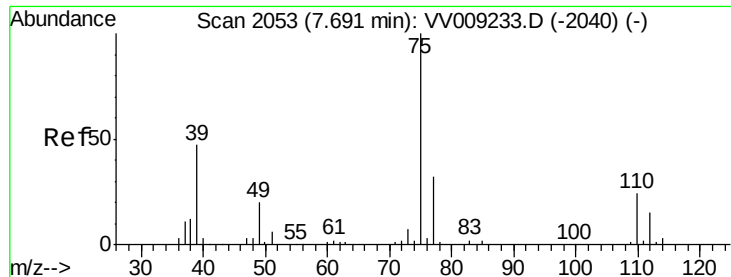
200000

100000

0

Time--> 7.30 7.40 7.50 7.60

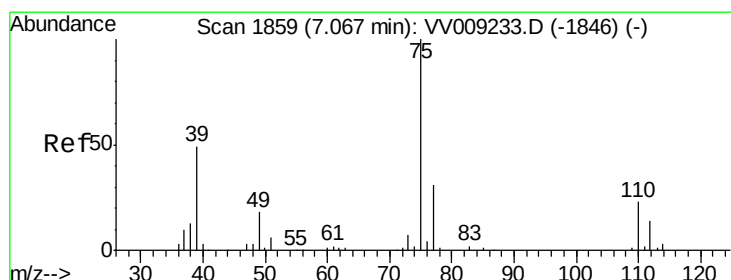
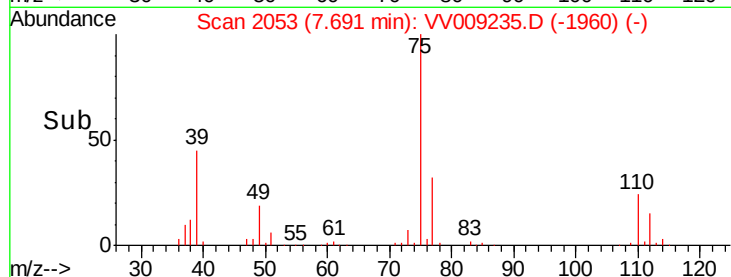
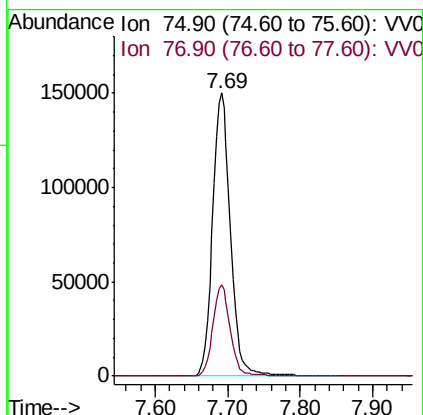
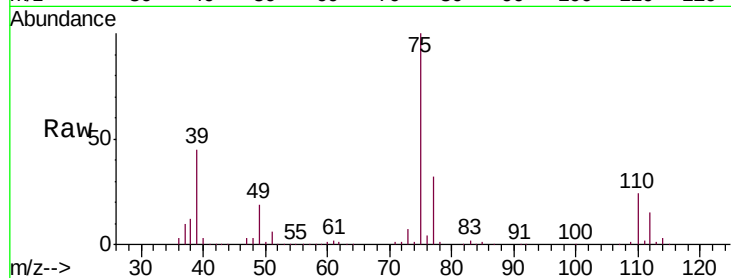




#53
 t-1,3-Dichloropropene
 Concen: 153.356 ug/l
 RT: 7.69 min Scan# 2053
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

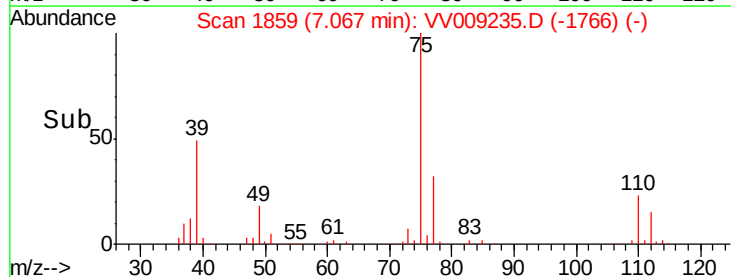
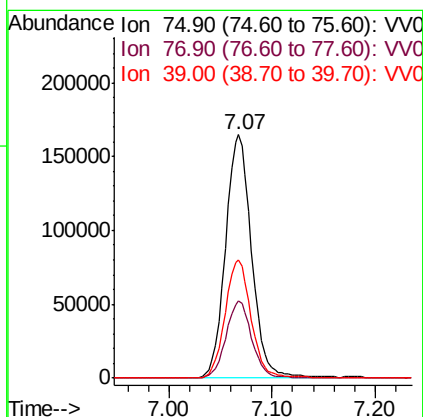
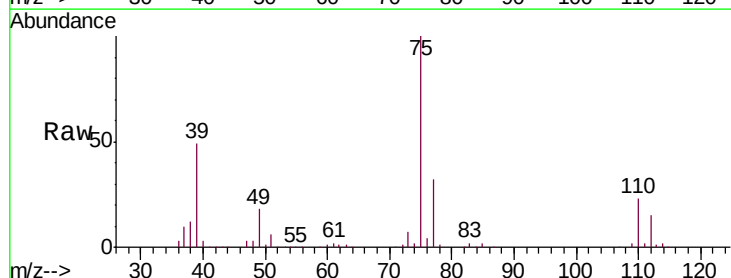
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

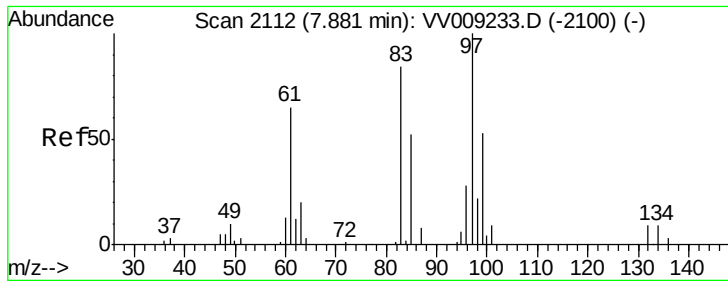
Tgt Ion: 75 Resp: 255219
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.8



#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

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





#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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 129714

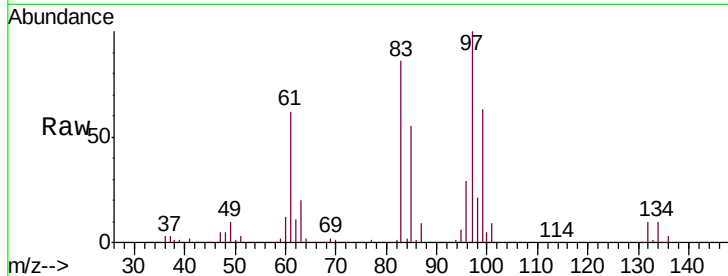
Ion Ratio Lower Upper

97 100

83 85.7 67.4 101.0

85 54.6 42.6 64.0

99 63.2 51.1 76.7

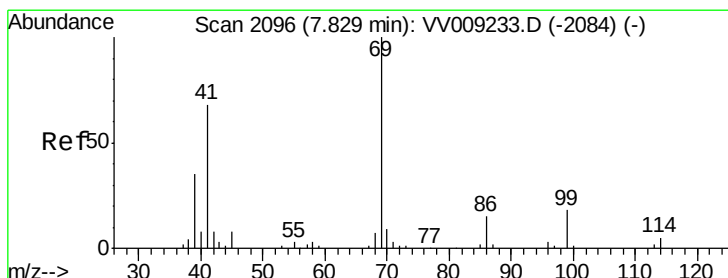
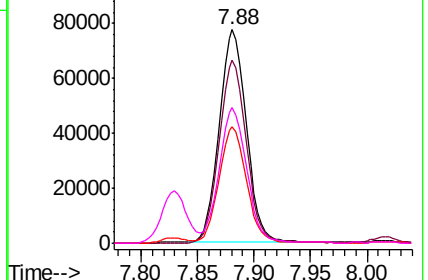
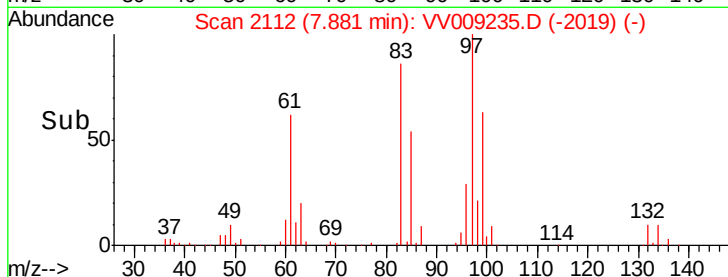


Abundance Ion 96.90 (96.60 to 97.60): VV0

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

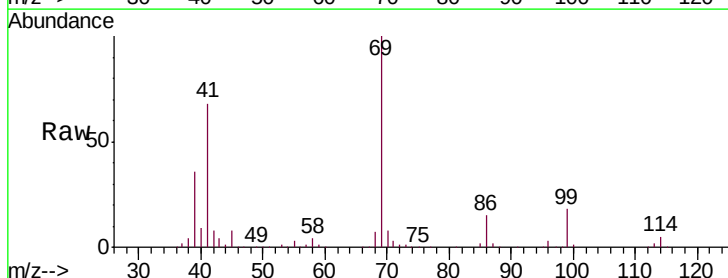
Tgt Ion: 69 Resp: 171723

Ion Ratio Lower Upper

69 100

41 67.1 54.0 81.0

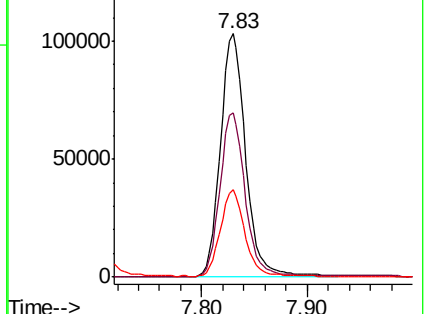
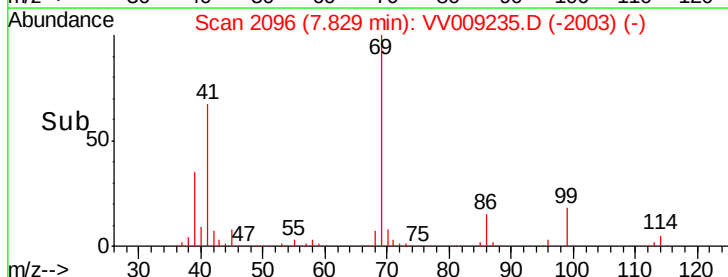
39 34.2 26.8 40.2

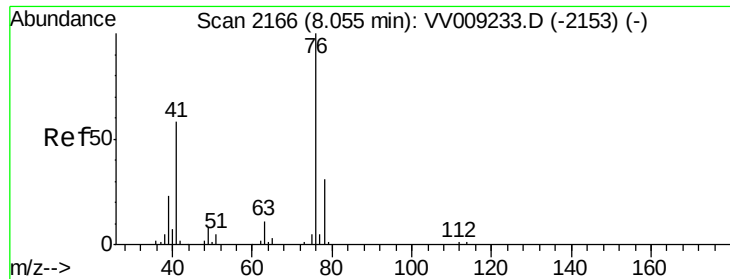


Abundance Ion 69.00 (68.70 to 69.70): VV0

Ion 41.00 (40.70 to 41.70): VV0

Ion 39.00 (38.70 to 39.70): VV0

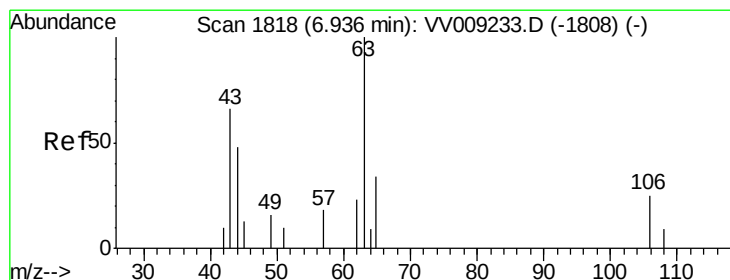
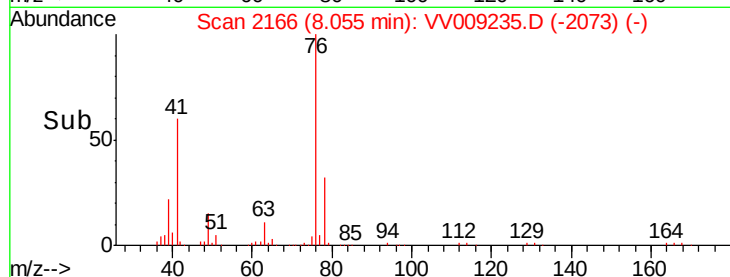
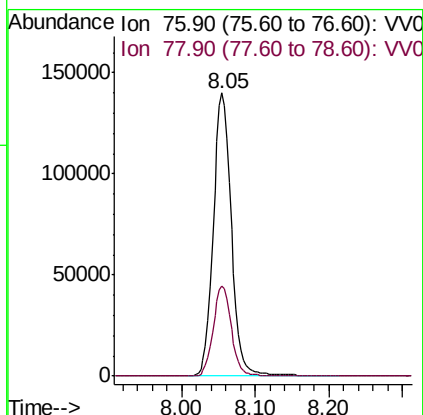
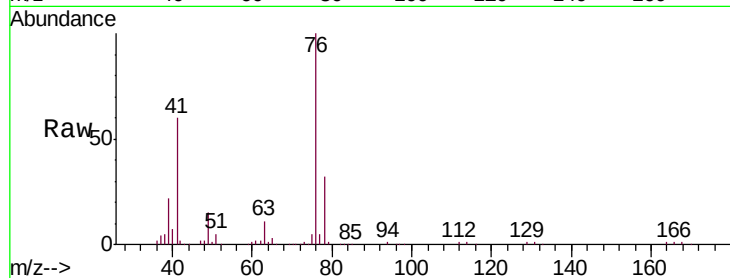




#57
 1,3-Dichloropropane
 Concen: 145.591 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

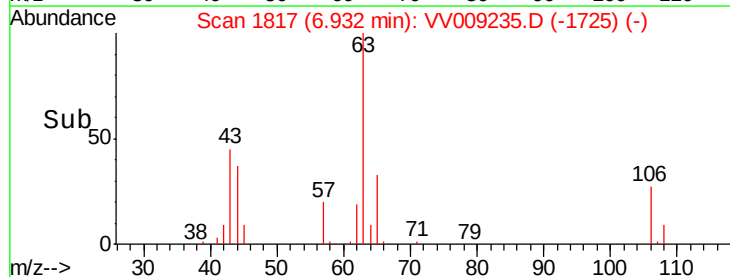
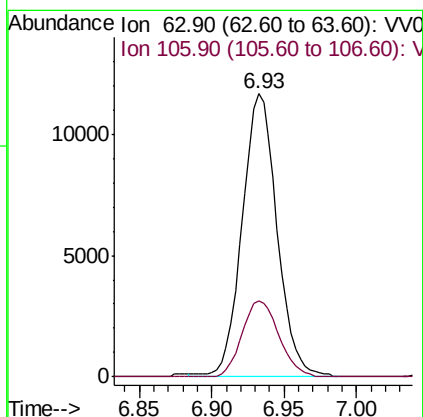
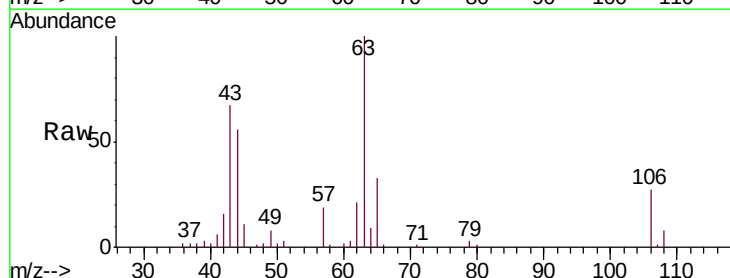
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

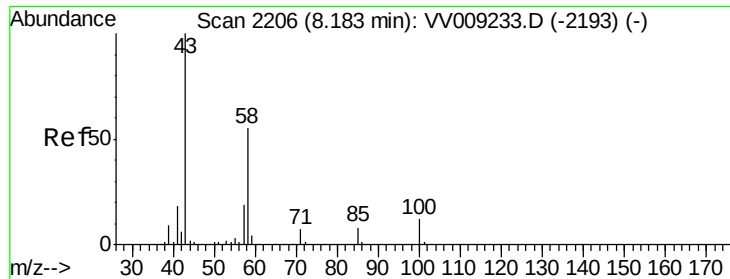
Tgt Ion: 76 Resp: 238432
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#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

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

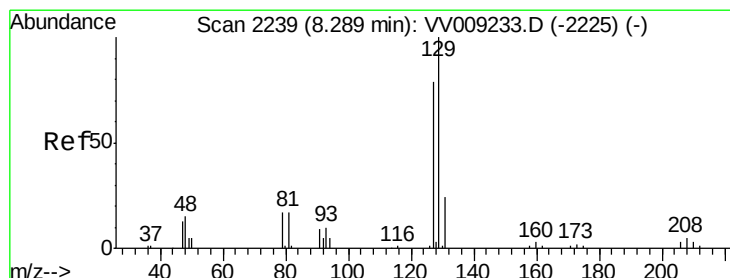
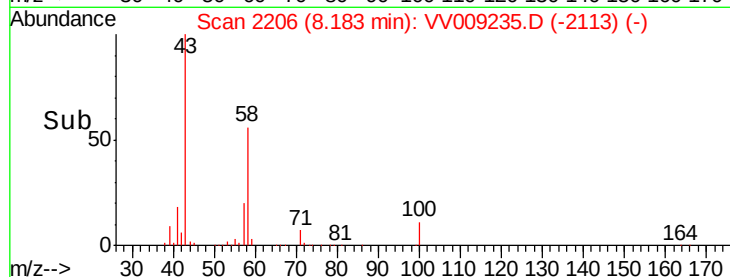
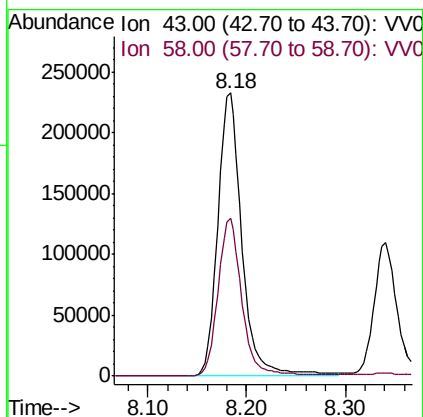
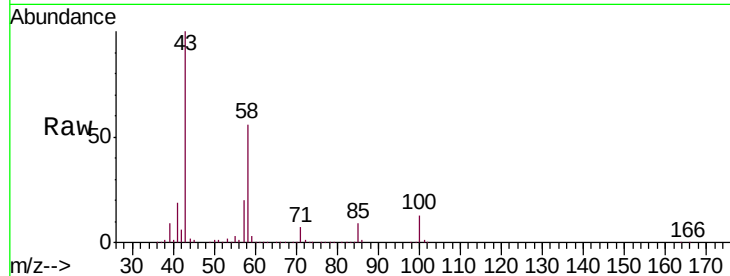




#59
2-Hexanone
Concen: 743.056 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

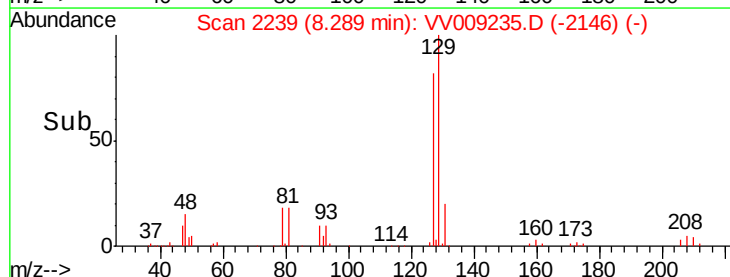
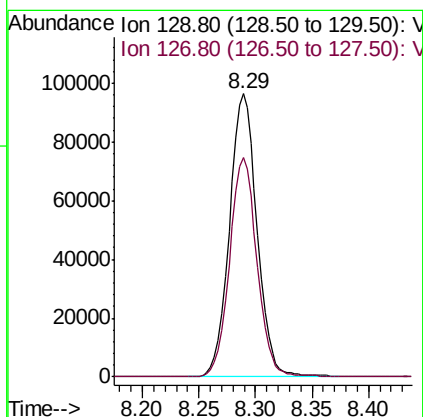
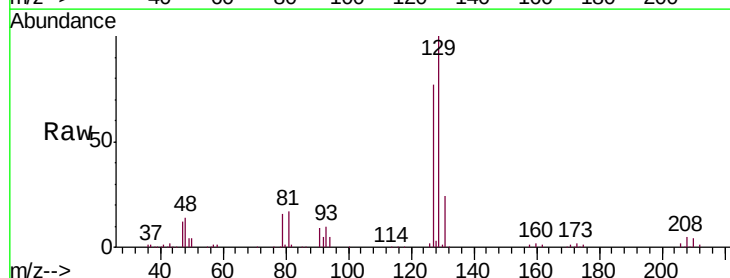
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

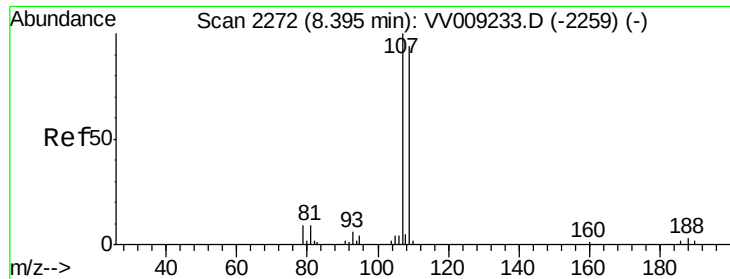
Tgt Ion: 43 Resp: 399760
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.5



#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

Tgt Ion: 129 Resp: 163471
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4





#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

Instrument :

MSVOA_V

ClientSampleId :

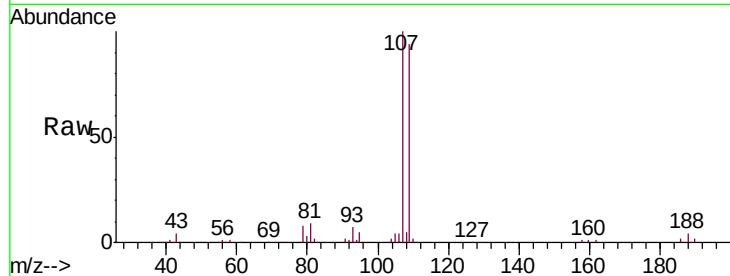
VSTDIC150

Tgt Ion: 107 Resp: 132502

Ion Ratio Lower Upper

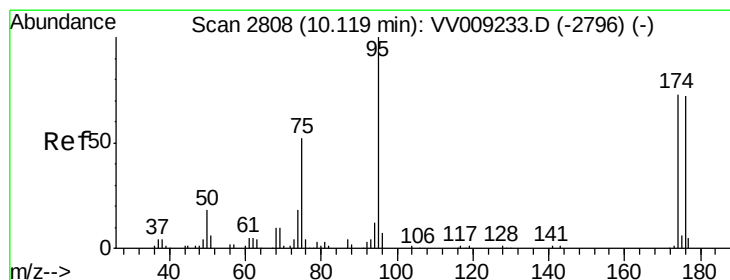
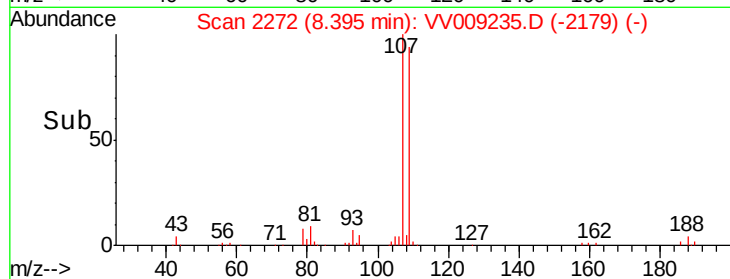
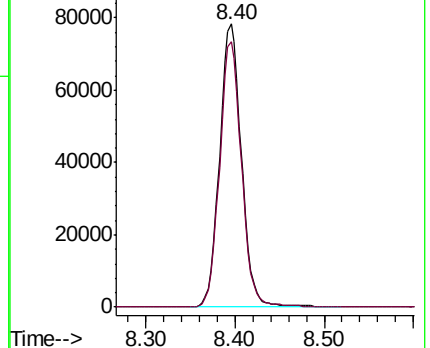
107 100

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

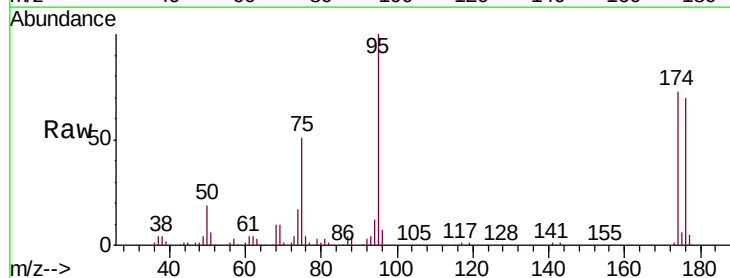
Tgt Ion: 95 Resp: 235824

Ion Ratio Lower Upper

95 100

174 73.7 0.0 148.2

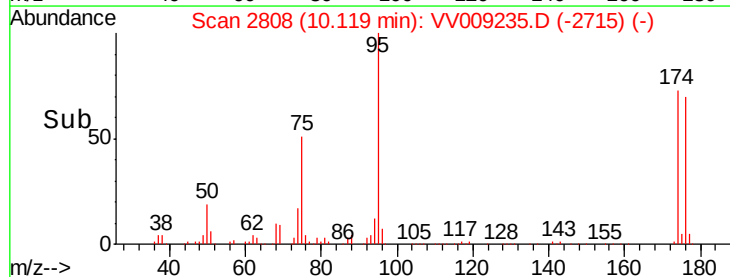
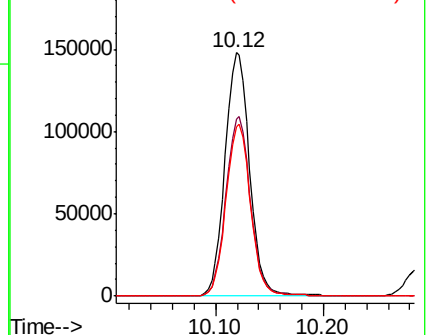
176 70.8 0.0 143.0

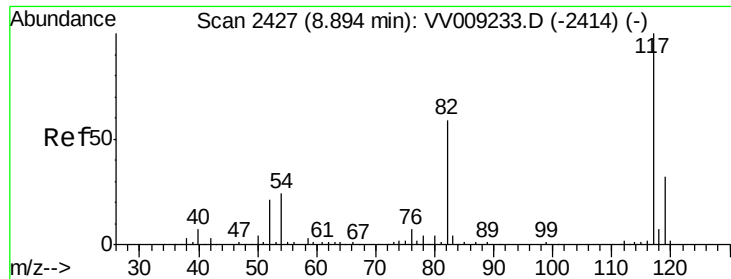


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

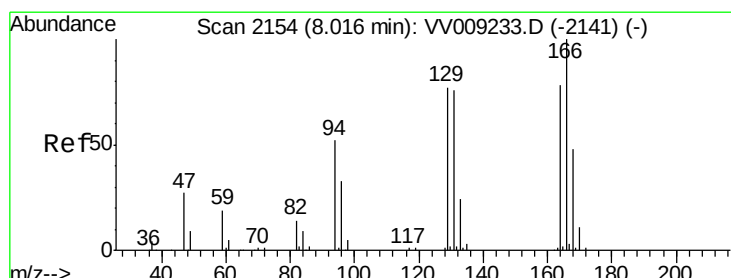
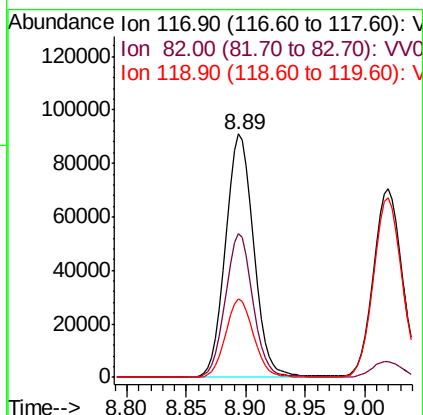
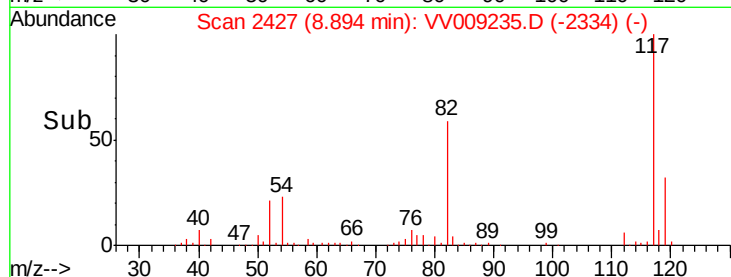
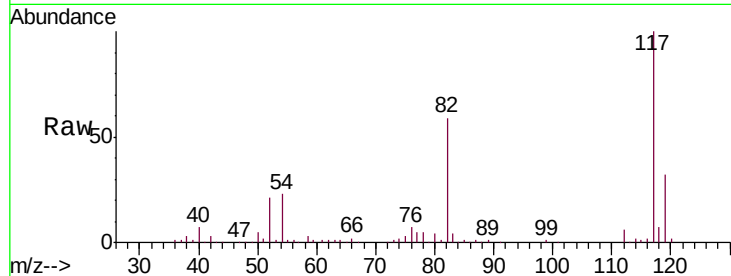




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

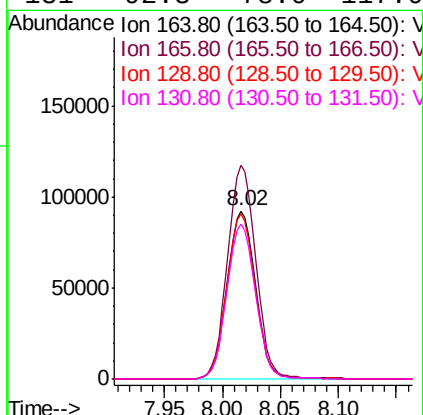
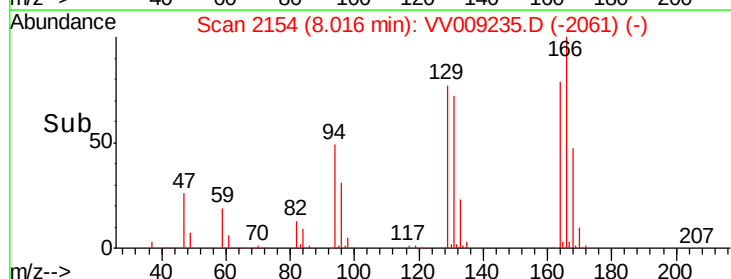
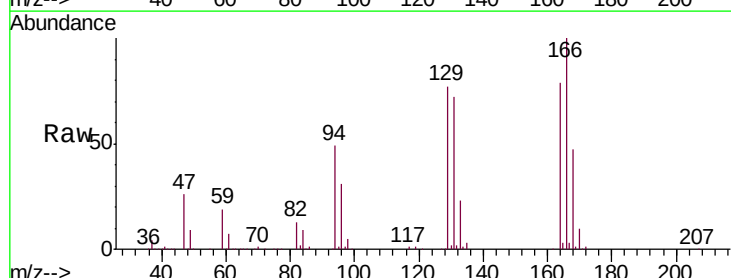
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

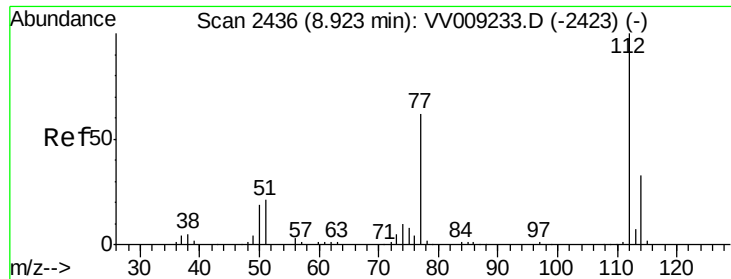
Tgt Ion:117 Resp: 150015
Ion Ratio Lower Upper
117 100
82 59.2 47.0 70.6
119 32.3 25.4 38.2



#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

Tgt 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

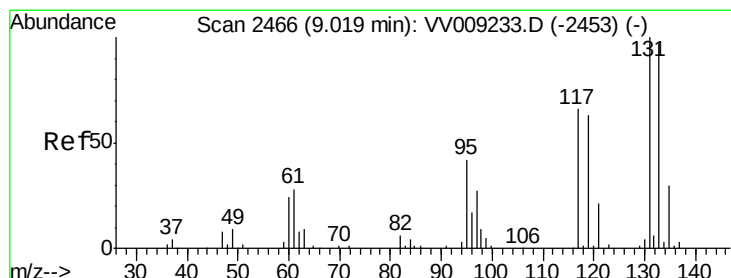
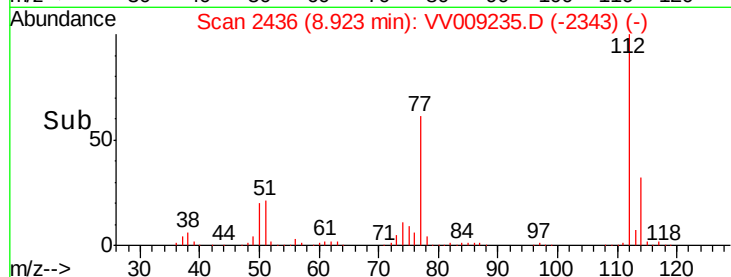
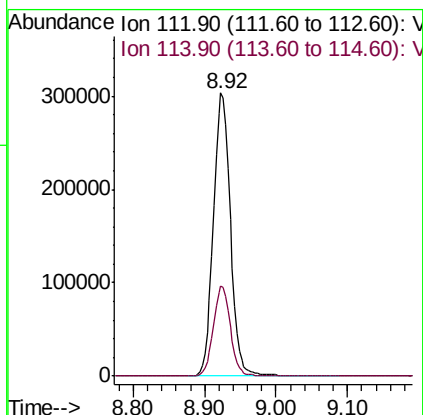
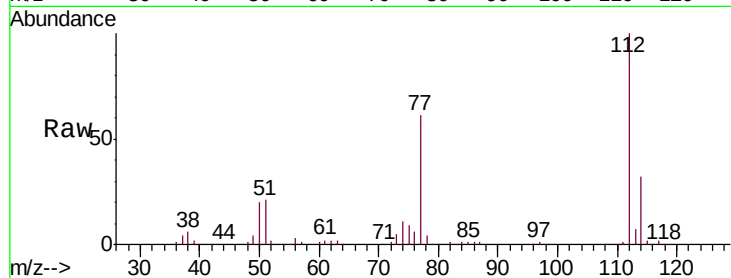




#65
Chlorobenzene
Concen: 147.336 ug/l
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

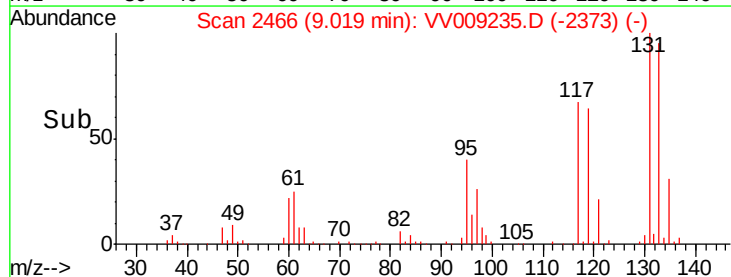
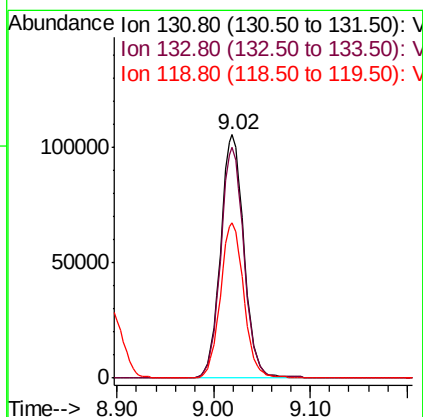
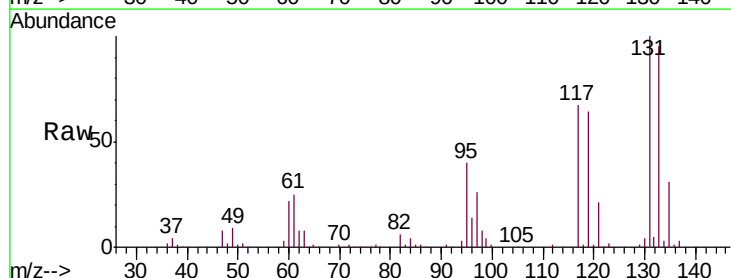
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

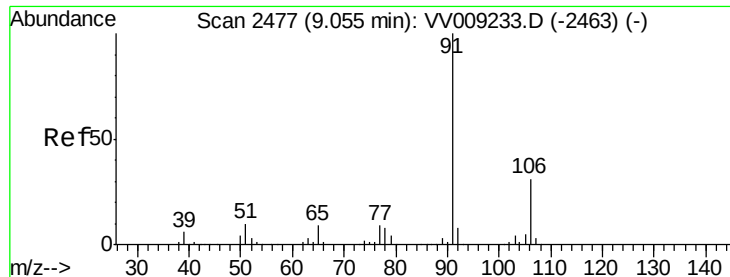
Tgt Ion:112 Resp: 504754
Ion Ratio Lower Upper
112 100
114 32.0 26.0 39.0



#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

Tgt Ion:131 Resp: 177355
Ion Ratio Lower Upper
131 100
133 94.9 48.3 144.9
119 63.3 31.2 93.6

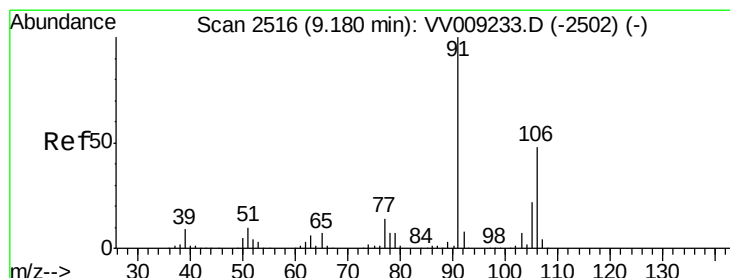
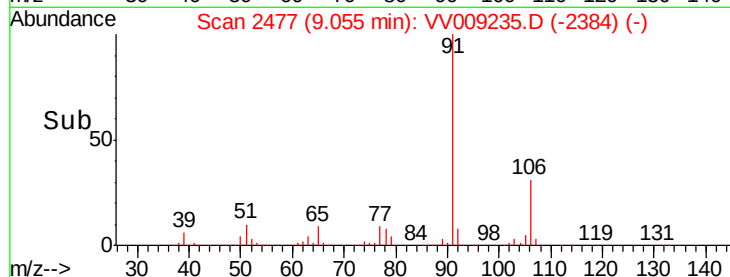
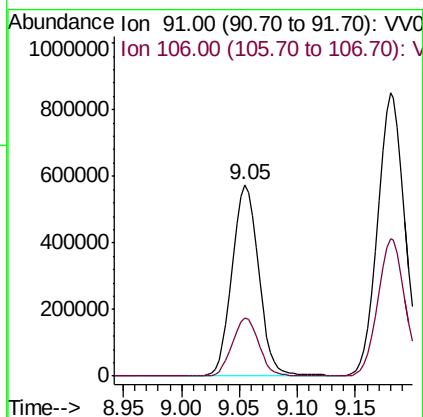
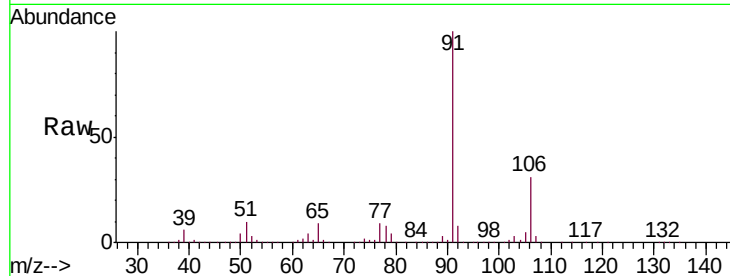




#67
 Ethyl Benzene
 Concen: 150.333 ug/l
 RT: 9.05 min Scan# 2477
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

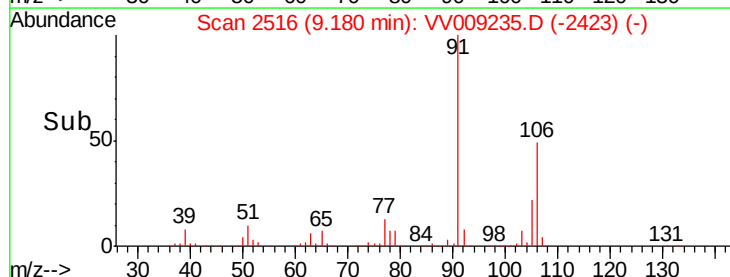
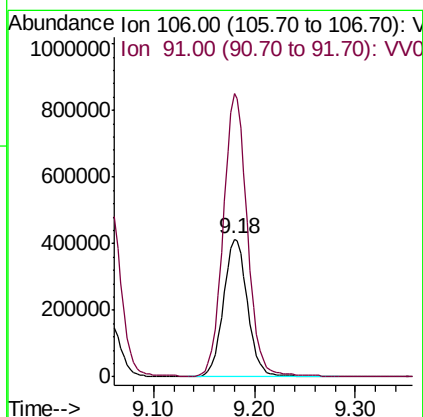
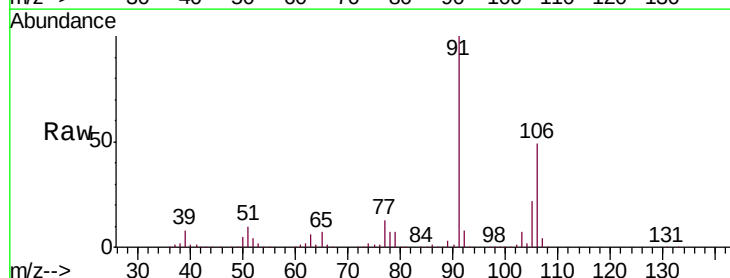
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

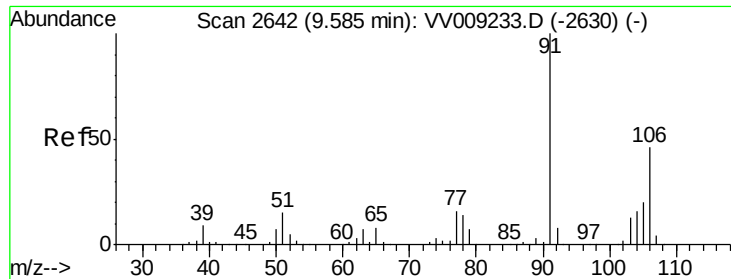
Tgt Ion: 91 Resp: 914916
 Ion Ratio Lower Upper
 91 100
 106 30.5 24.6 37.0



#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

Tgt Ion: 106 Resp: 688773
 Ion Ratio Lower Upper
 106 100
 91 206.4 167.1 250.7

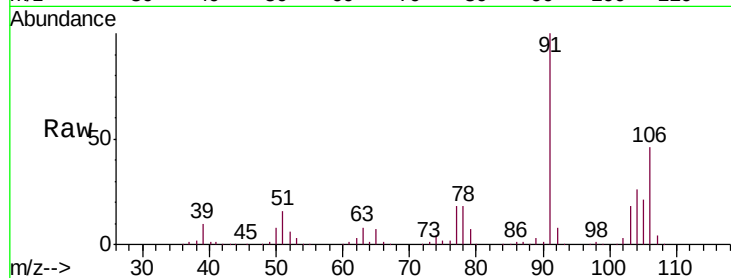




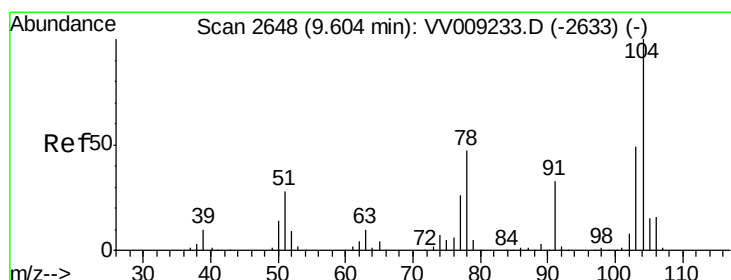
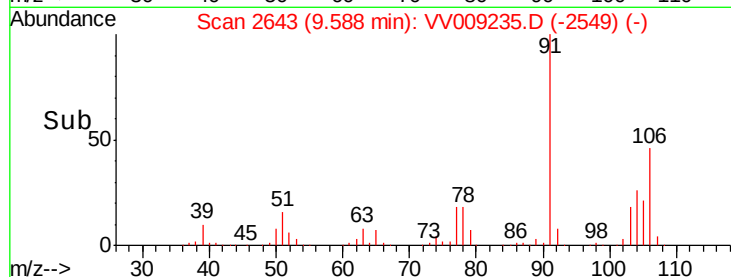
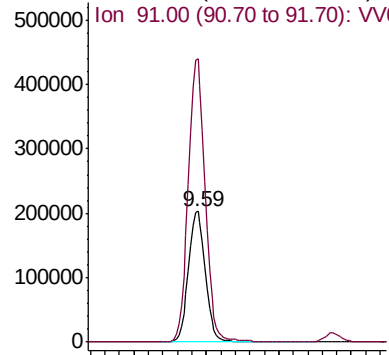
#69
o-Xylene
Concen: 154.840 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 329409
Ion Ratio Lower Upper
106 100
91 216.8 109.3 327.8

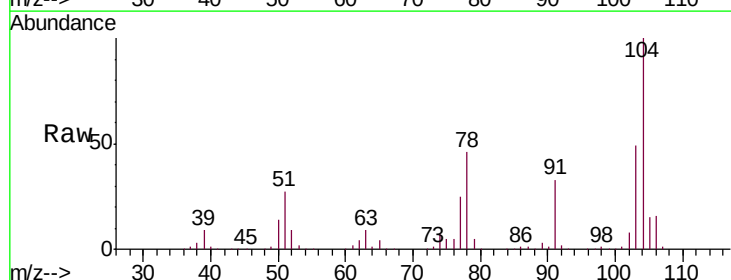


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

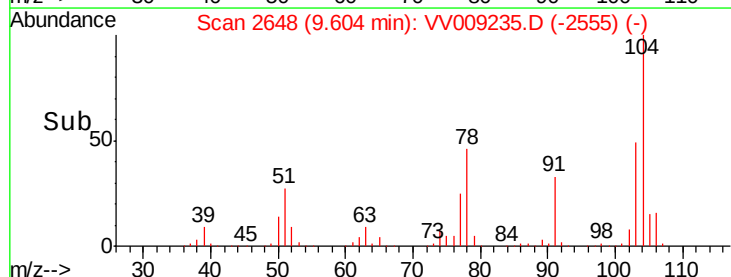
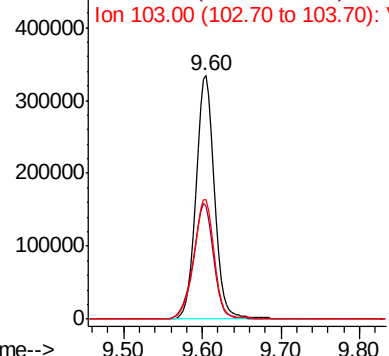


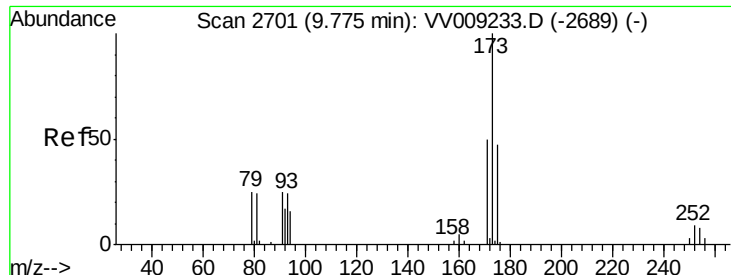
#70
Styrene
Concen: 156.120 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

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



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0
Ion 103.00 (102.70 to 103.70): V





#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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

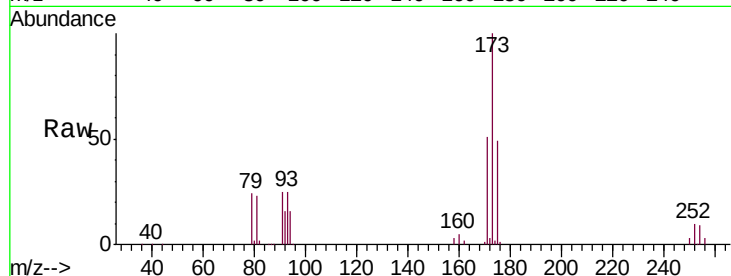
Tgt Ion:173 Resp: 92923

Ion Ratio Lower Upper

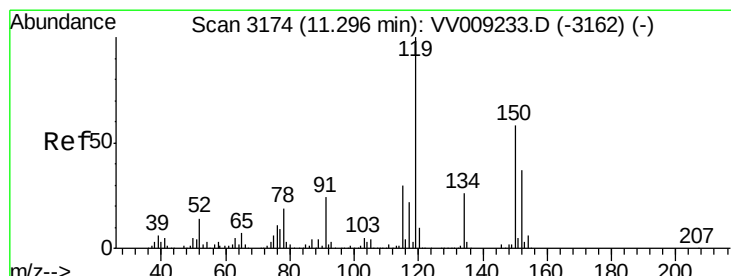
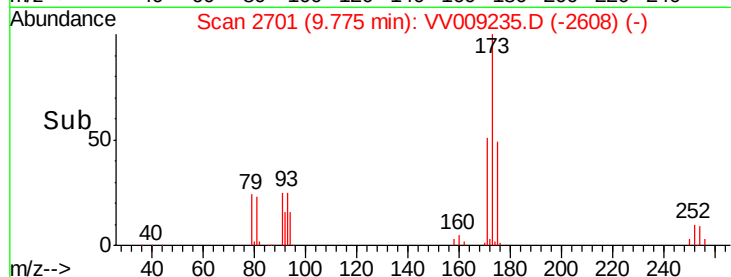
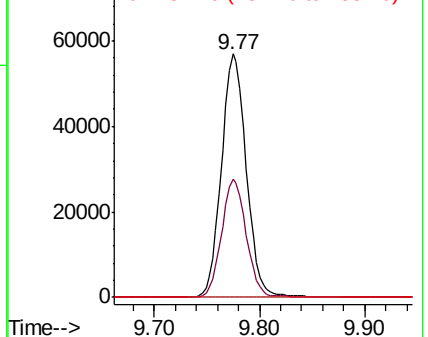
173 100

175 48.2 23.4 70.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#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

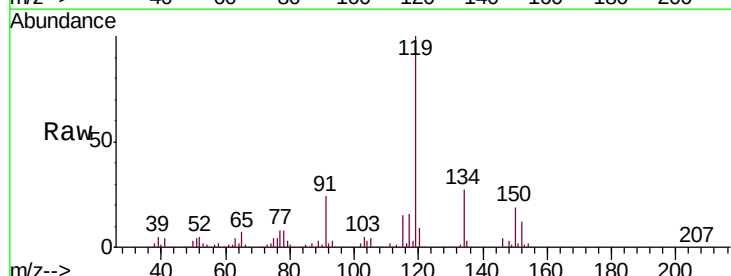
Tgt Ion:152 Resp: 75952

Ion Ratio Lower Upper

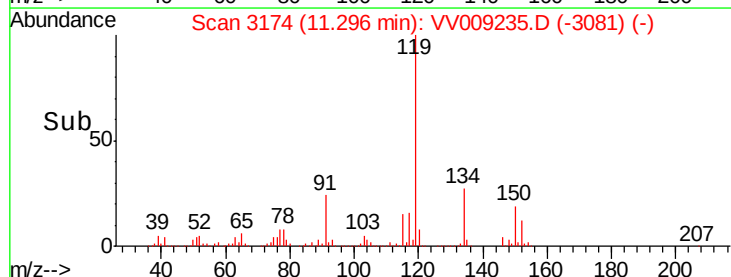
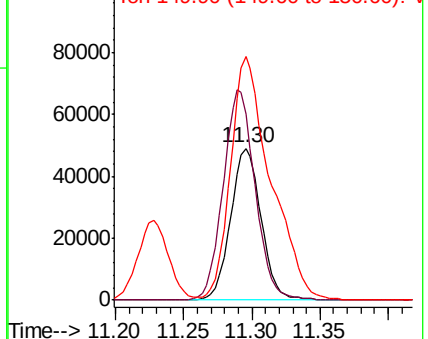
152 100

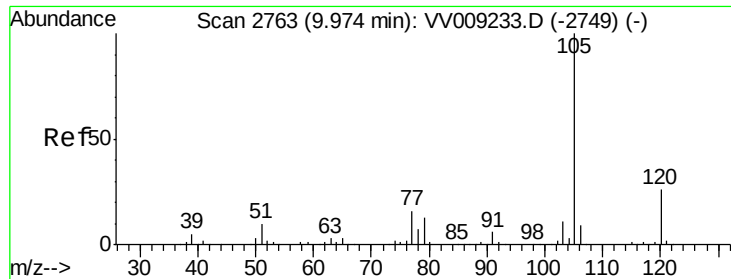
115 145.7 45.0 134.8#

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

Instrument :

MSVOA_V

ClientSampleId :

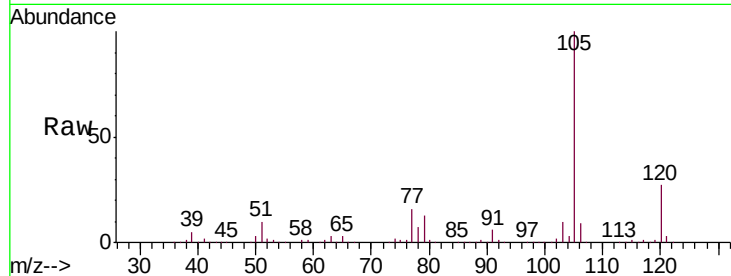
VSTDIC150

Tgt Ion:105 Resp: 917662

Ion Ratio Lower Upper

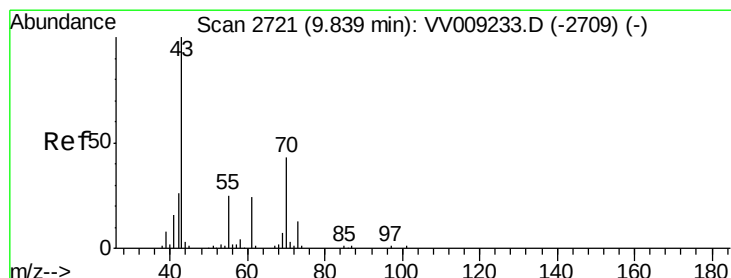
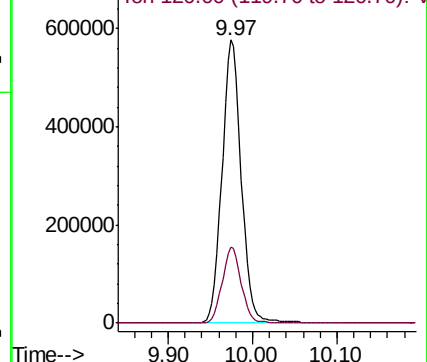
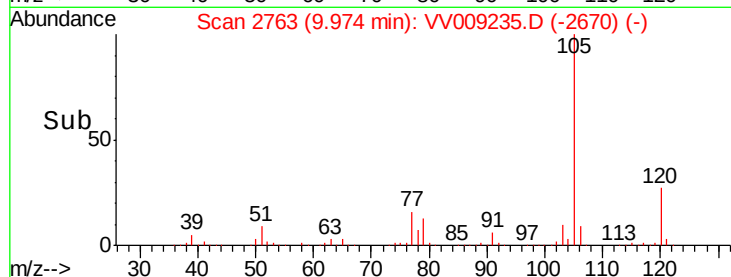
105 100

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-ethyl 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

Tgt Ion: 43 Resp: 195209

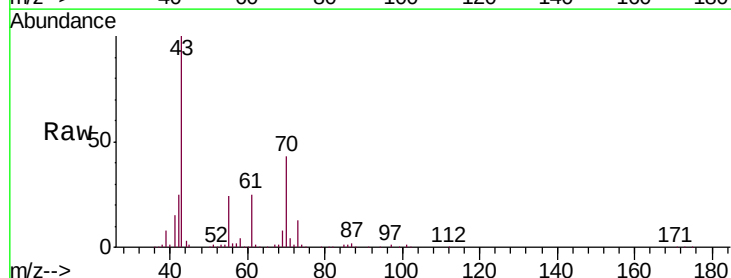
Ion Ratio Lower Upper

43 100

70 41.7 33.0 49.6

55 24.4 18.7 28.1

61 24.1 18.0 27.0

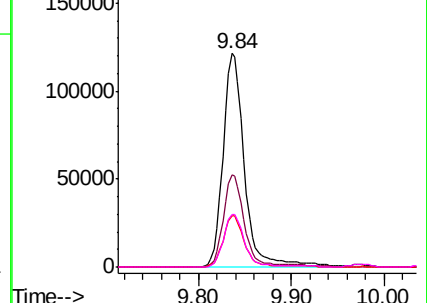
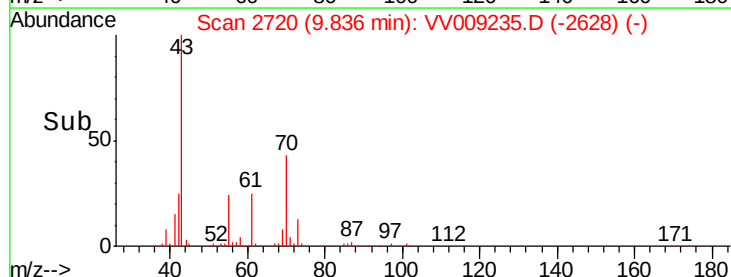


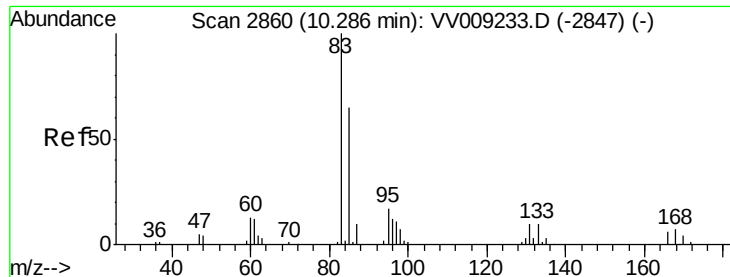
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

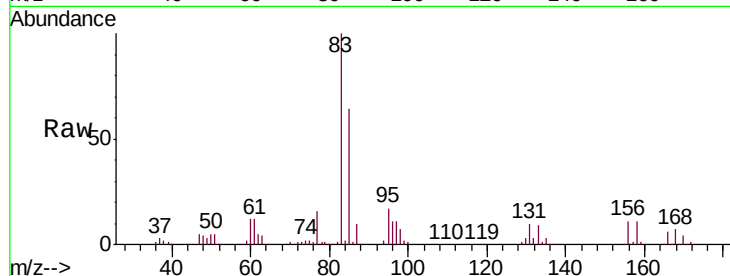
Tgt Ion: 83 Resp: 158578

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): VV0

Ion 130.80 (130.50 to 131.50): VV0

Ion 84.90 (84.60 to 85.60): VV0

120000

100000

80000

60000

40000

20000

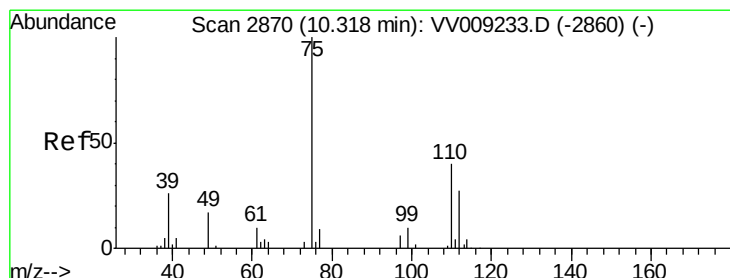
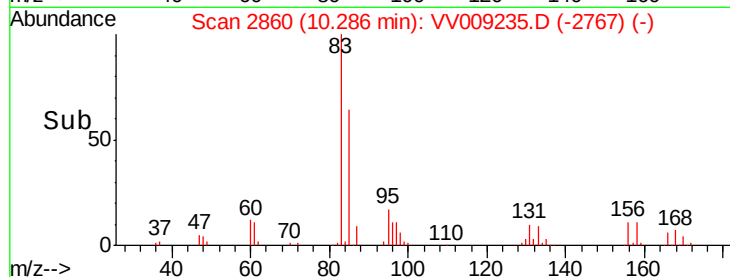
0

10.20

10.30

10.40

Time-->



#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

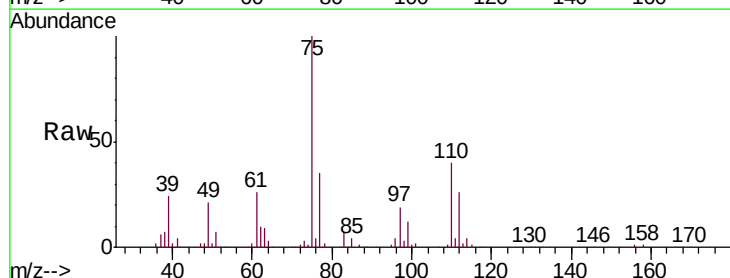
Acq: 22 Jan 2019 14:20

Tgt 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): VV0

Ion 77.00 (76.70 to 77.70): VV0

200000

150000

100000

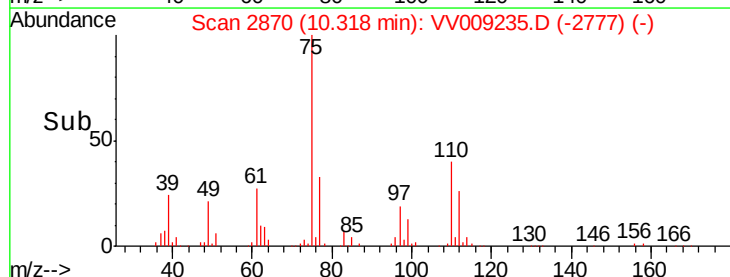
50000

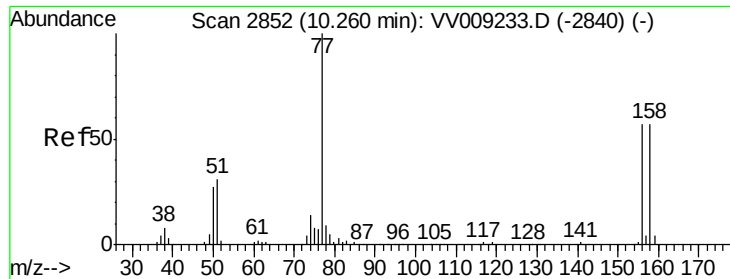
0

10.30

10.35

Time-->





#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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

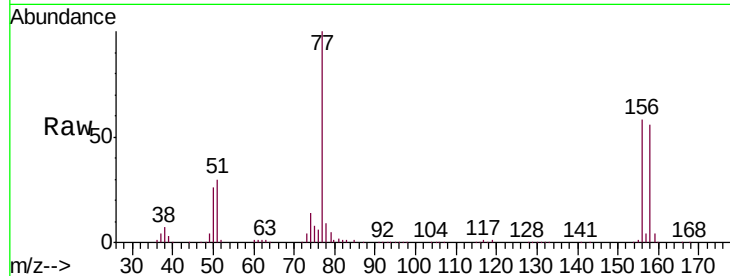
Tgt Ion:156 Resp: 199149

Ion Ratio Lower Upper

156 100

77 168.0 86.0 258.0

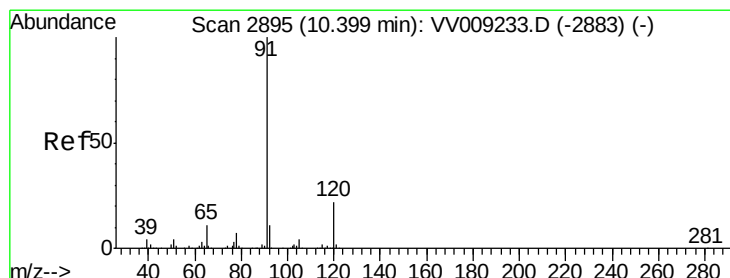
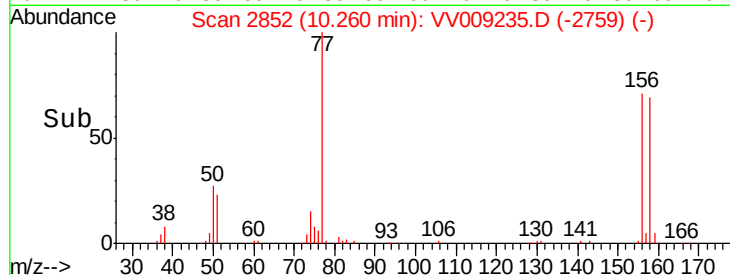
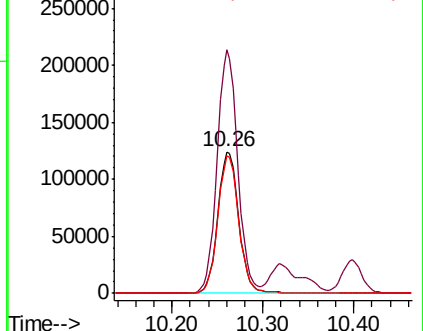
158 97.2 49.8 149.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 152.088 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009235.D

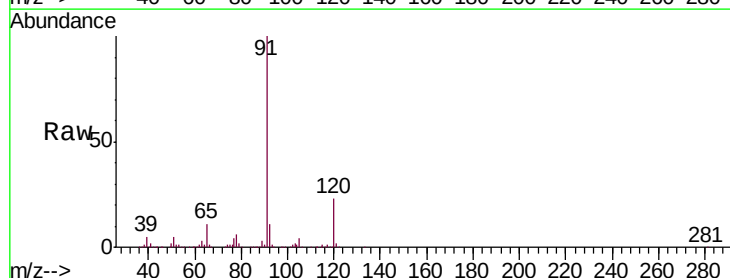
Acq: 22 Jan 2019 14:20

Tgt Ion: 91 Resp: 1083913

Ion Ratio Lower Upper

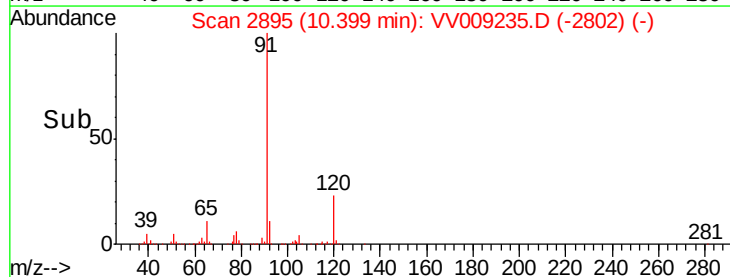
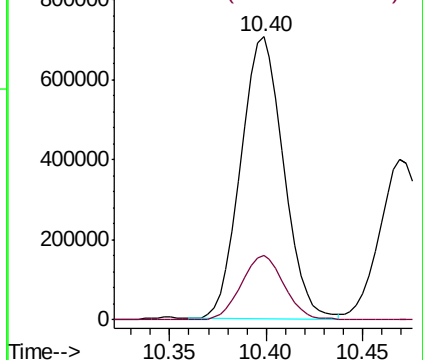
91 100

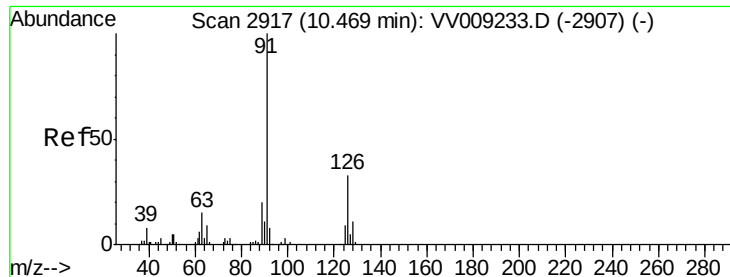
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#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

Instrument :

MSVOA_V

ClientSampleId :

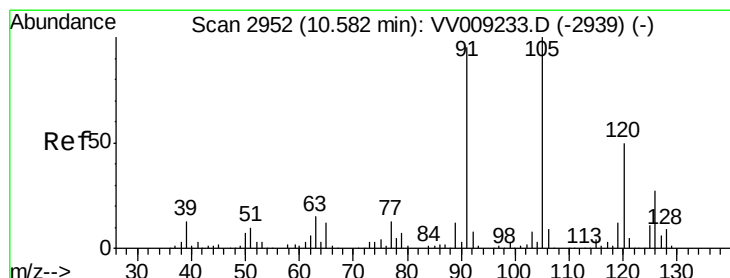
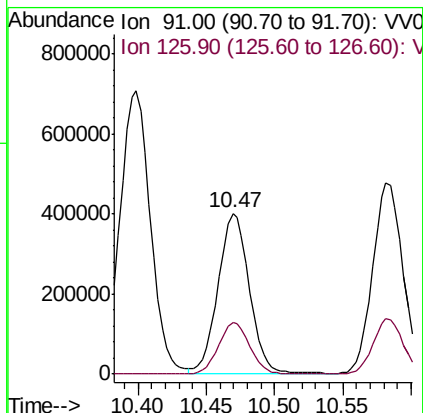
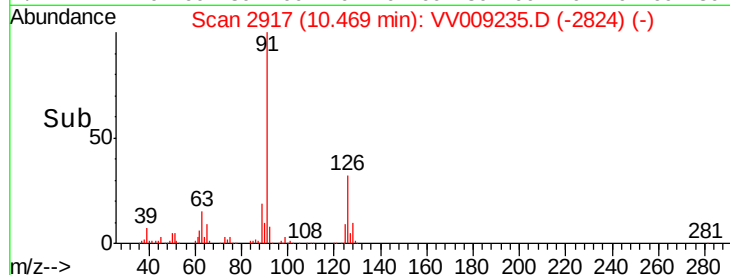
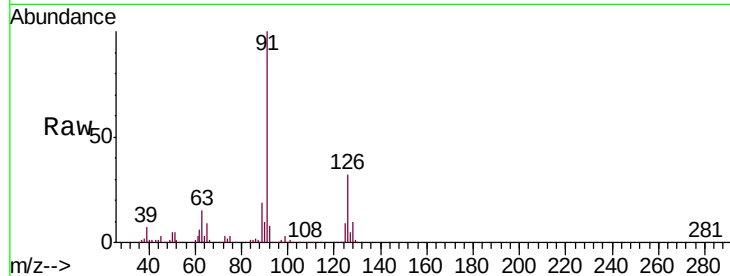
VSTDIC150

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

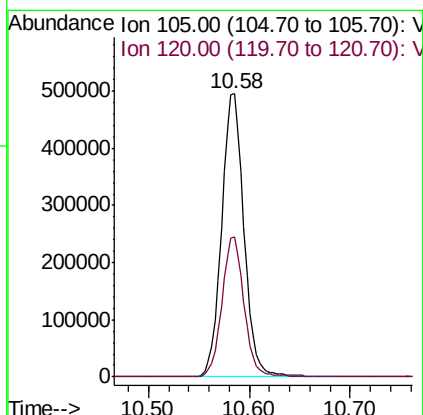
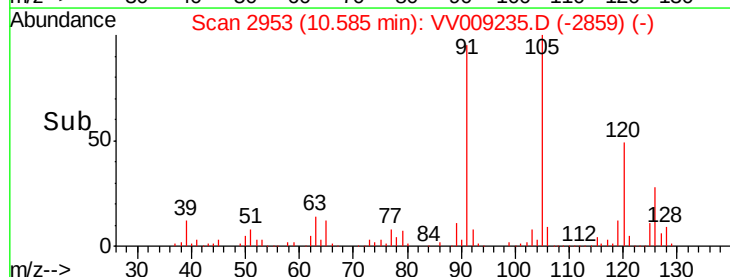
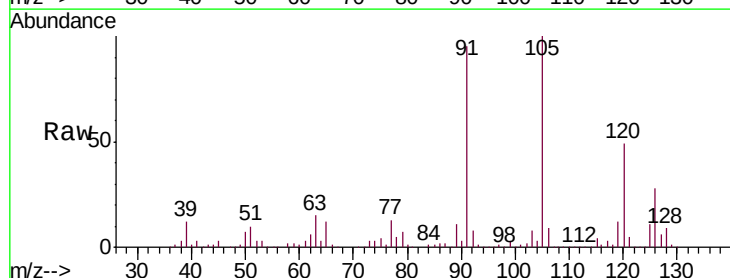
Acq: 22 Jan 2019 14:20

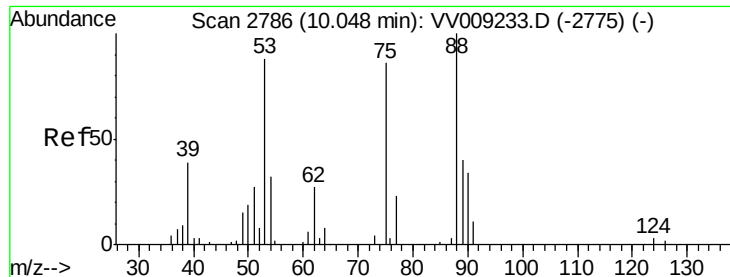
Tgt Ion: 105 Resp: 767959

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

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

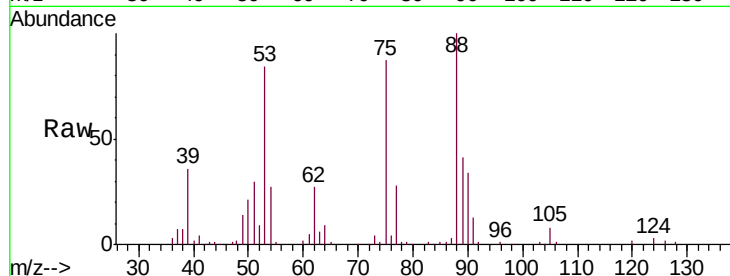
Tgt Ion: 75 Resp: 50073

Ion Ratio Lower Upper

75 100

53 98.2 82.1 123.1

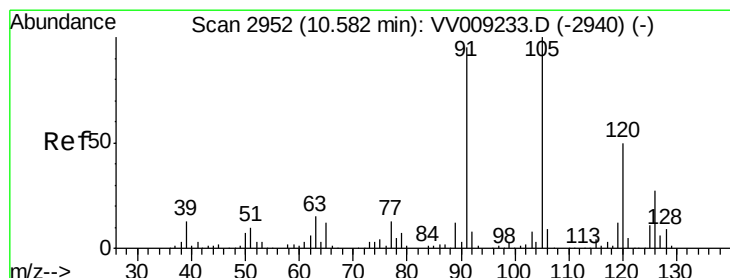
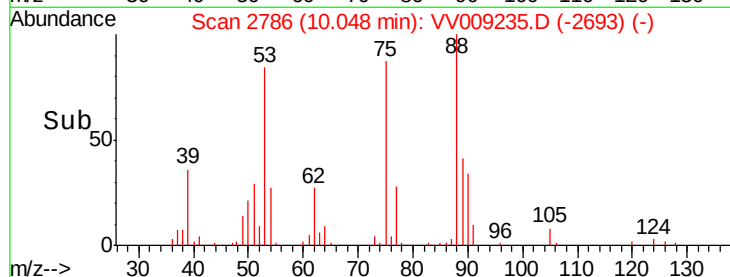
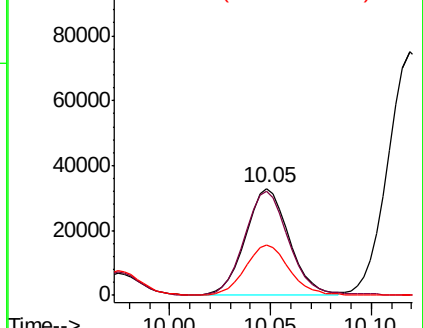
89 47.8 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VV009233.D (-2775) (-)

Ion 53.00 (52.70 to 53.70): VV009233.D (-2775) (-)

Ion 88.90 (88.60 to 89.60): VV009233.D (-2775) (-)



#82

4-Chlorotoluene

Concen: 143.372 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009235.D

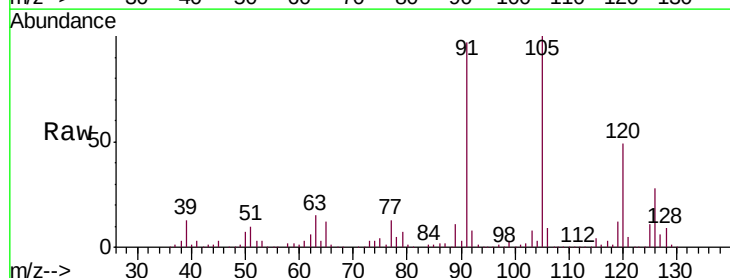
Acq: 22 Jan 2019 14:20

Tgt Ion: 91 Resp: 750808

Ion Ratio Lower Upper

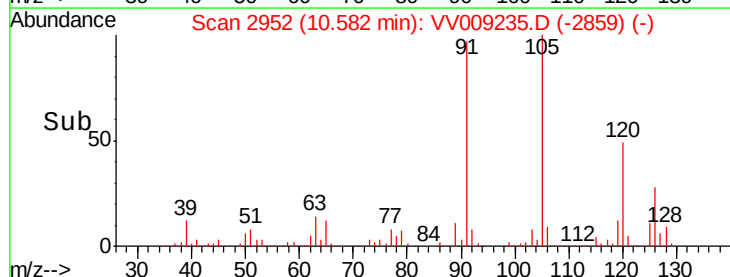
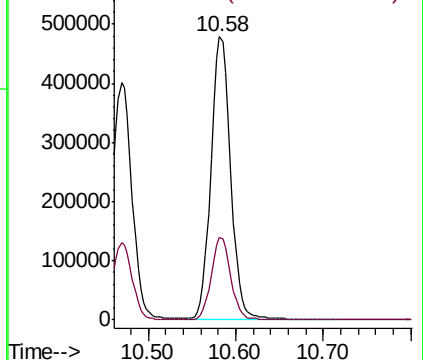
91 100

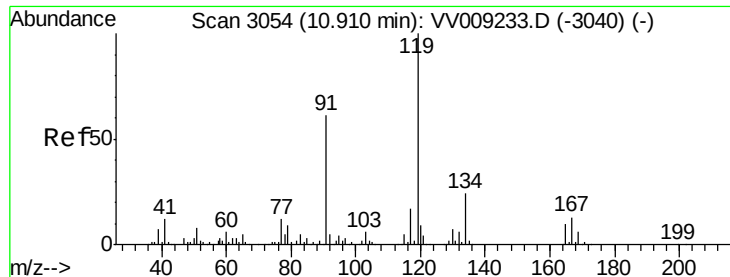
126 28.9 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VV009233.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VV009233.D (-2940) (-)

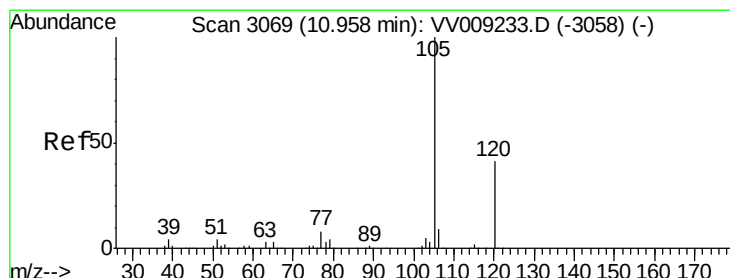
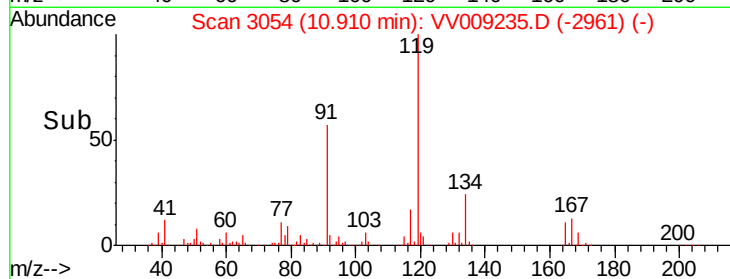
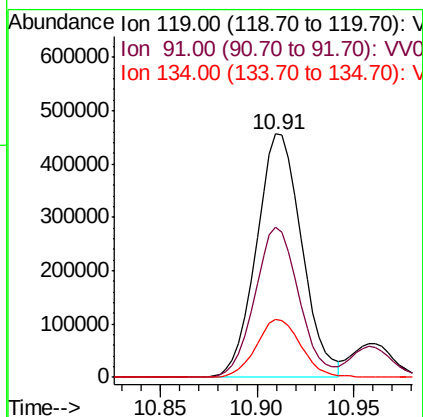
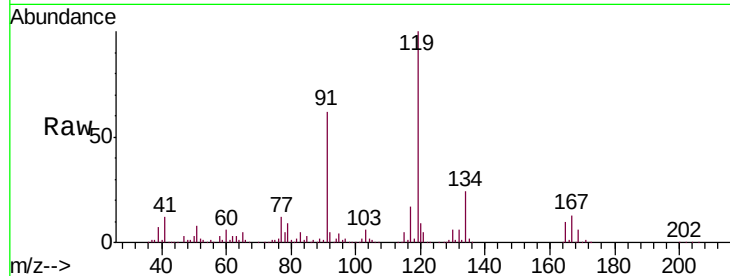




#83
 tert-Butylbenzene
 Concen: 153.432 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

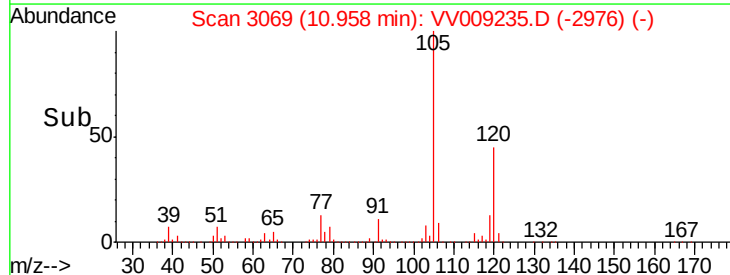
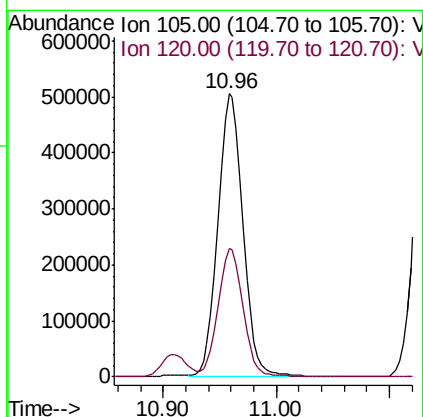
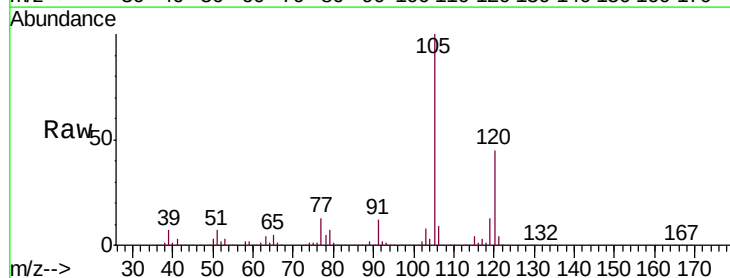
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

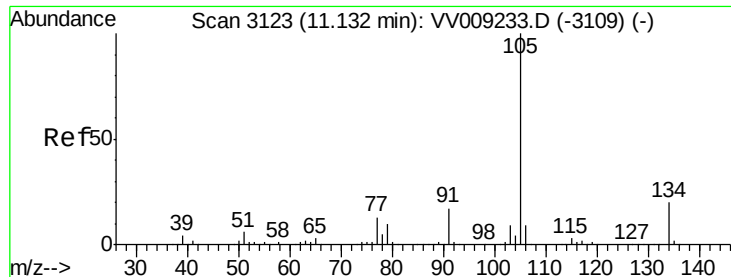
Tgt Ion:119 Resp: 743586
 Ion Ratio Lower Upper
 119 100
 91 59.6 30.0 90.1
 134 23.6 11.9 35.7



#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

Tgt Ion:105 Resp: 779204
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.6 67.7





#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

Instrument :

MSVOA_V

ClientSampleId :

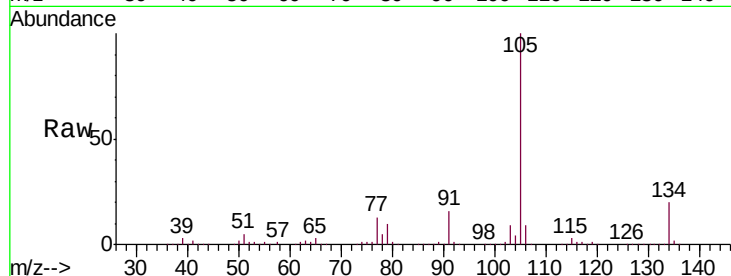
VSTDIC150

Tgt Ion:105 Resp: 963911

Ion Ratio Lower Upper

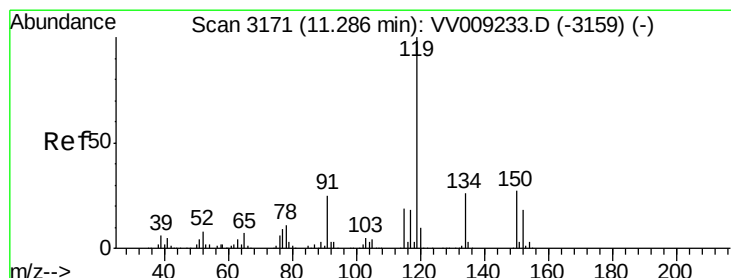
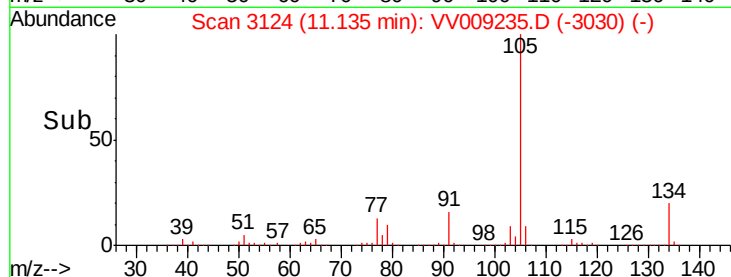
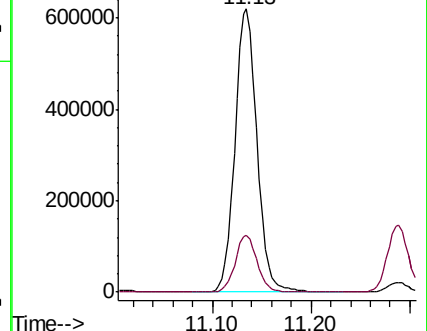
105 100

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

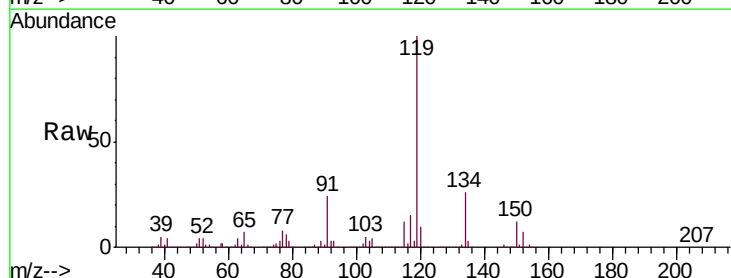
Tgt Ion:119 Resp: 846918

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

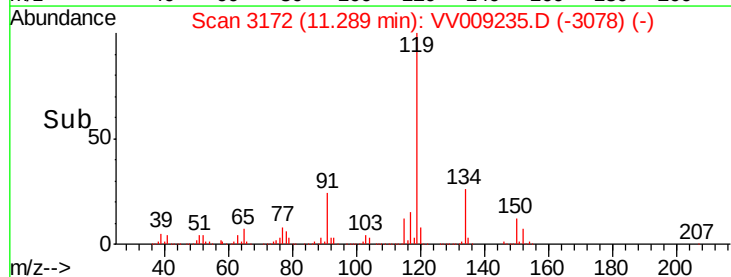
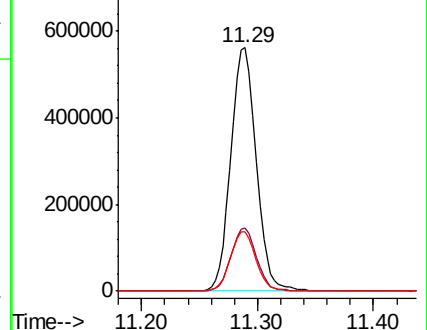
91 24.5 12.4 37.2

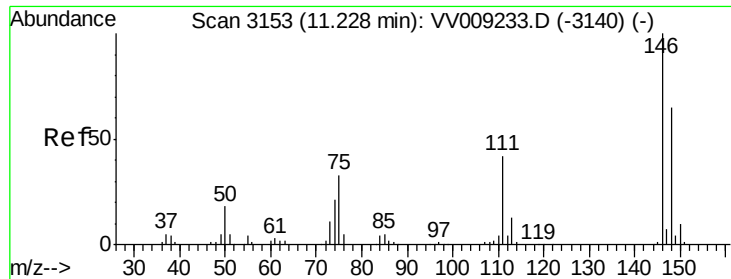


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VV0

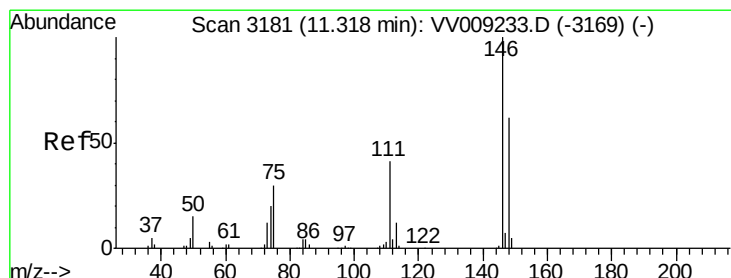
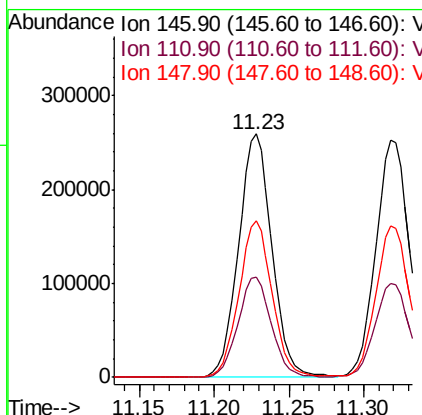
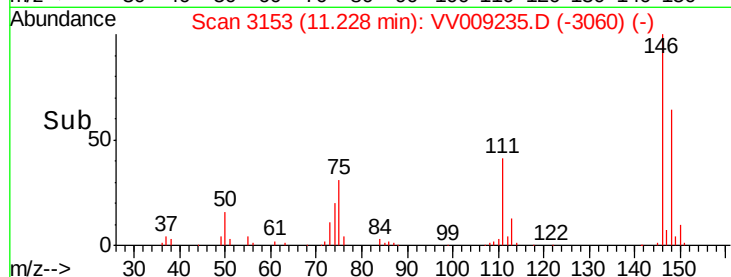
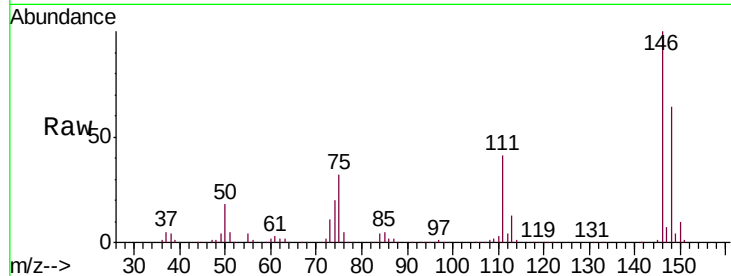




#87
 1,3-Dichlorobenzene
 Concen: 147.489 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

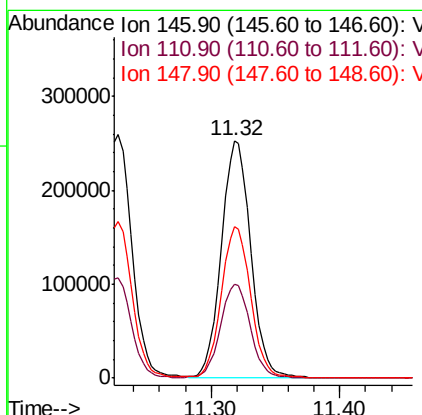
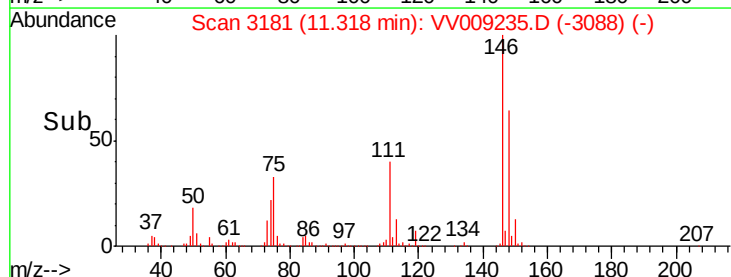
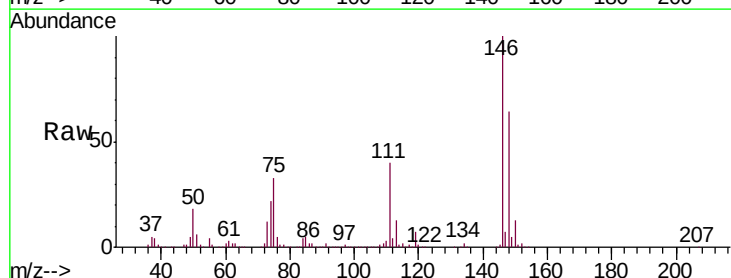
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

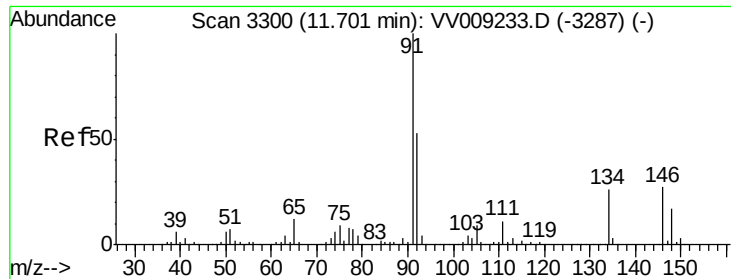
Tgt Ion:146 Resp: 402411
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.1 63.4
 148 63.9 32.1 96.3



#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

Tgt Ion:146 Resp: 400359
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.5 61.5
 148 63.9 31.4 94.3

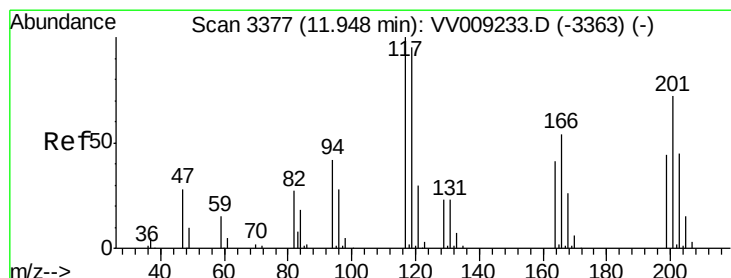
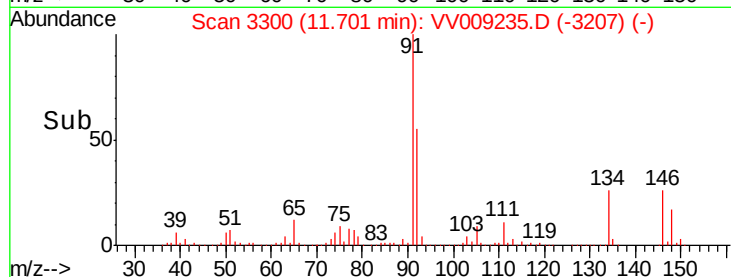
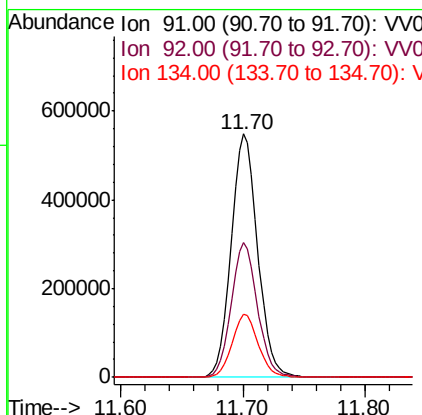
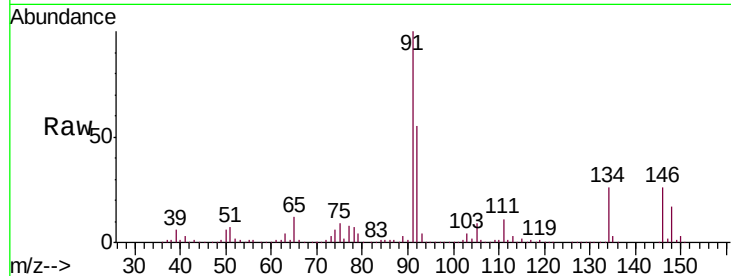




#89
n-Butylbenzene
Concen: 152.288 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

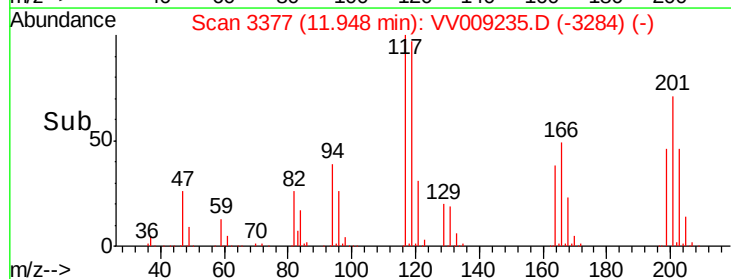
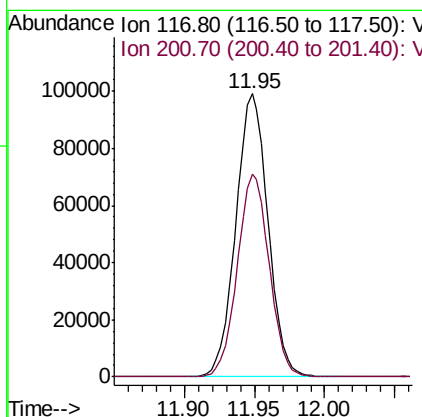
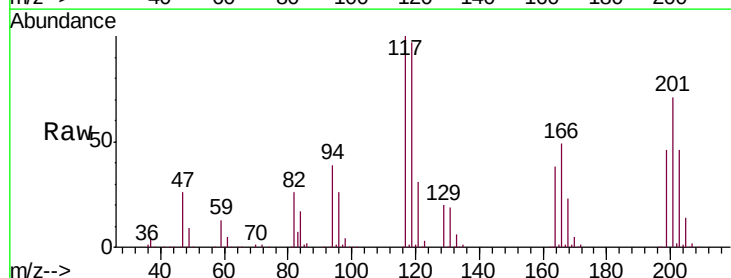
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

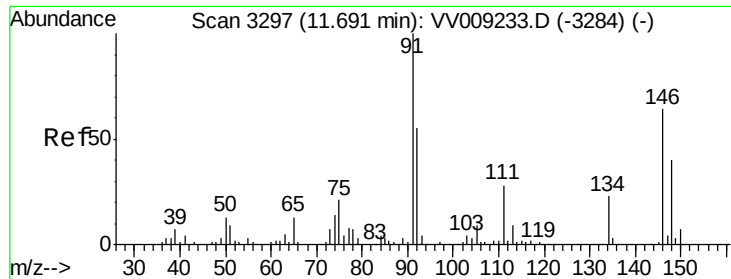
Tgt Ion: 91 Resp: 828391
Ion Ratio Lower Upper
91 100
92 54.7 27.2 81.5
134 25.7 12.6 37.8



#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

Tgt Ion: 117 Resp: 158568
Ion Ratio Lower Upper
117 100
201 71.0 35.2 105.6

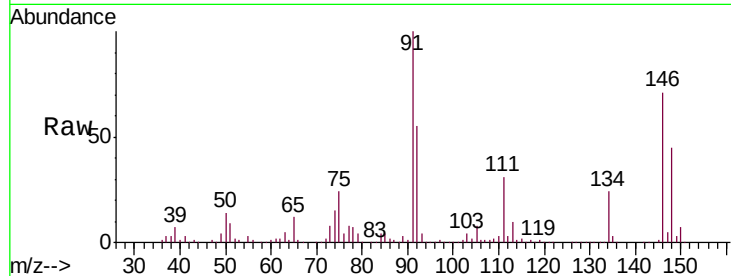




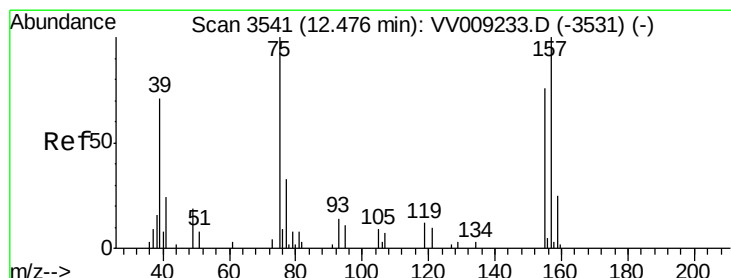
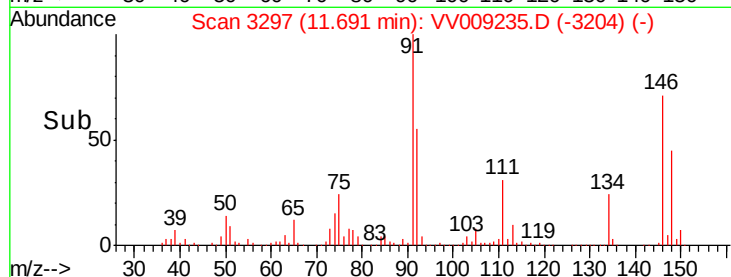
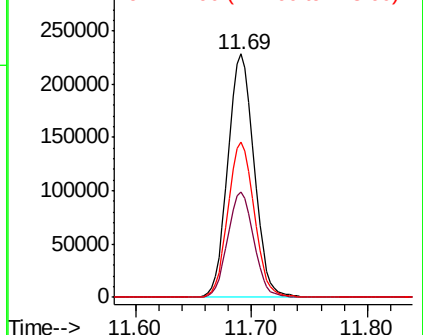
#91
 1,2-Dichlorobenzene
 Concen: 145.796 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

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

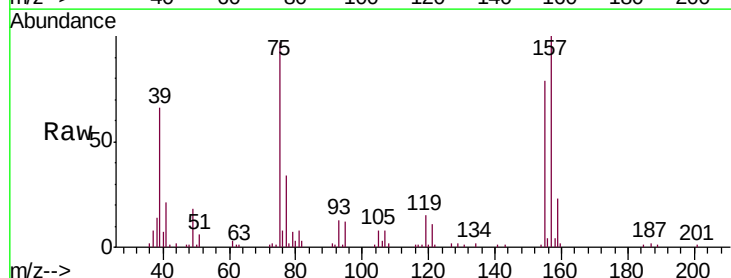


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

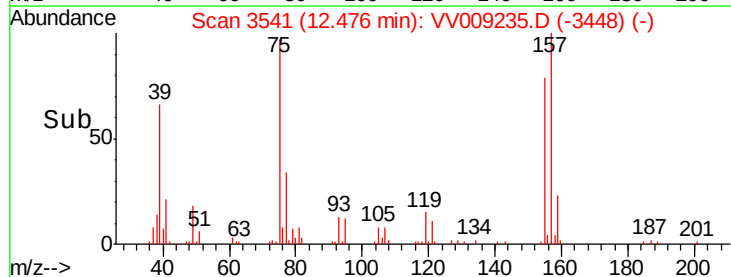
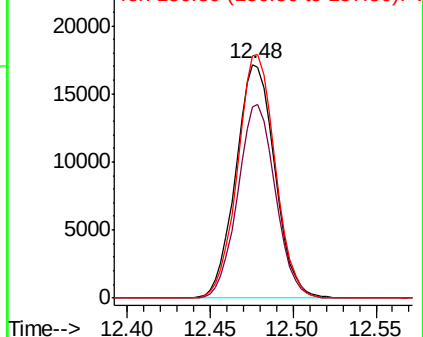


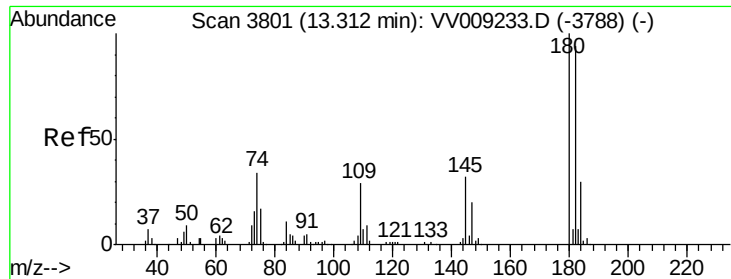
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 150.162 ug/l
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Tgt 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): VV0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

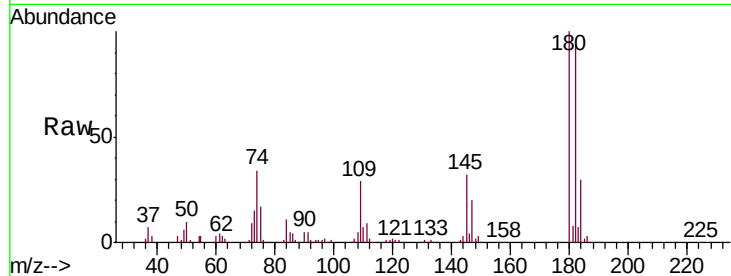




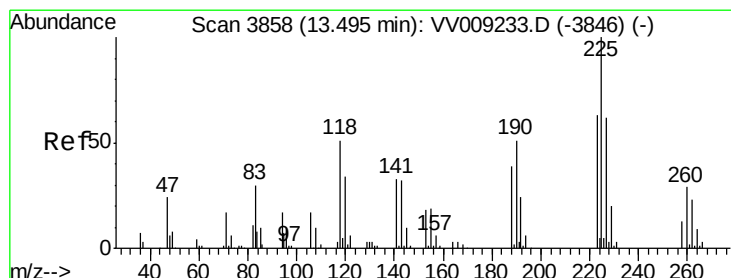
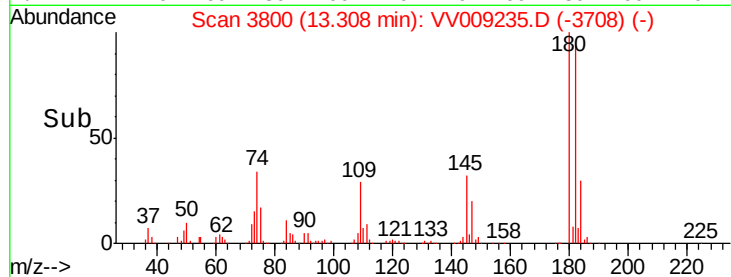
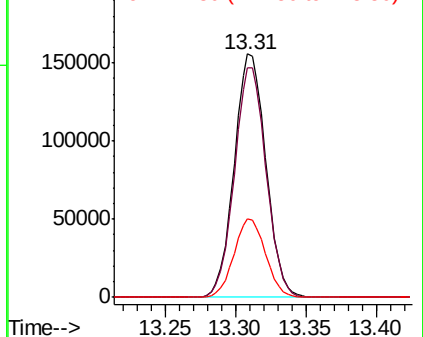
#93
 1,2,4-Trichlorobenzene
 Concen: 147.339 ug/l
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

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

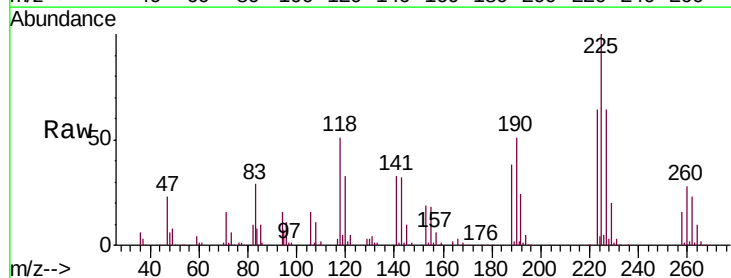


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

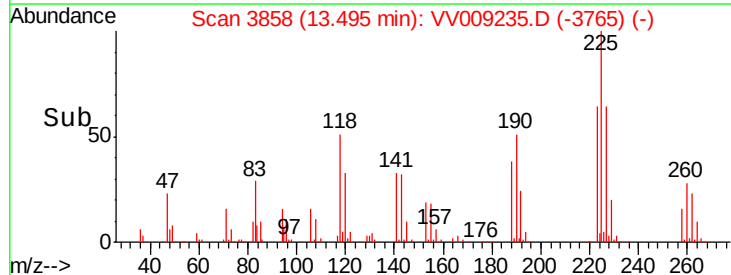
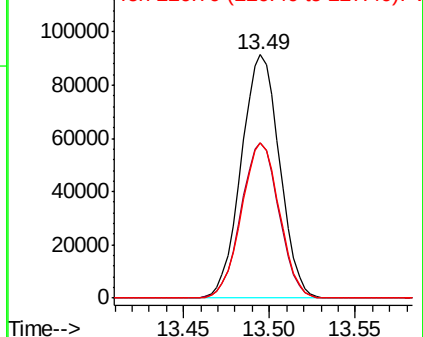


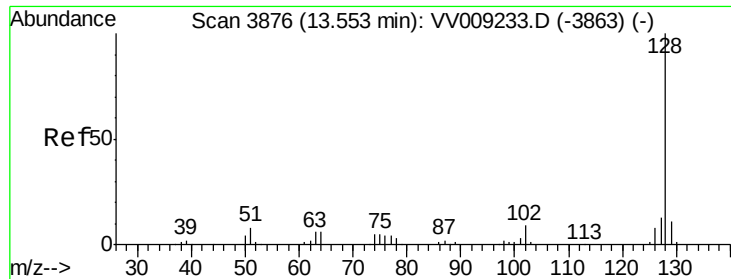
#94
 Hexachlorobutadiene
 Concen: 150.911 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009235.D
 Acq: 22 Jan 2019 14:20

Tgt 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

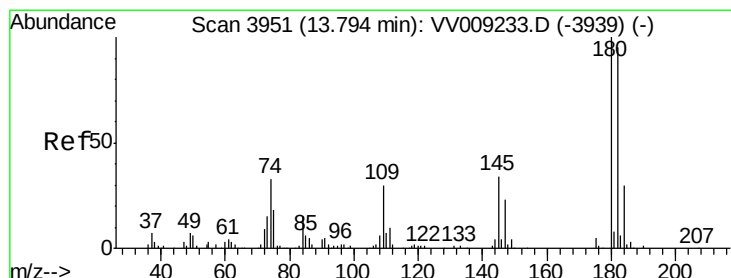
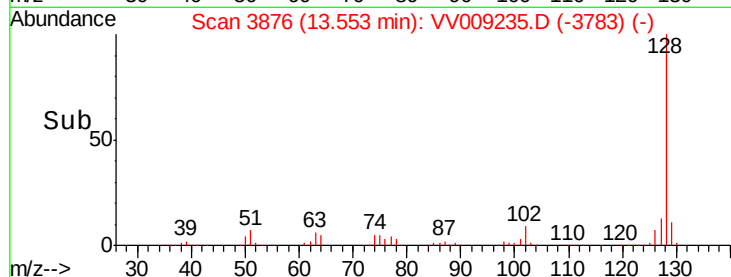
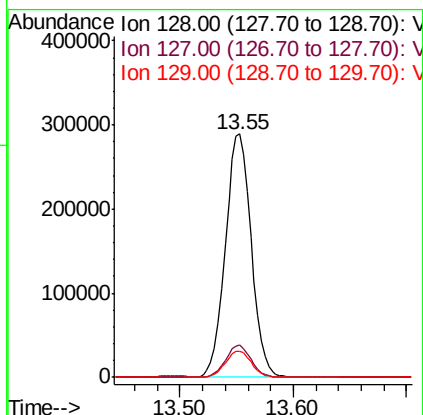
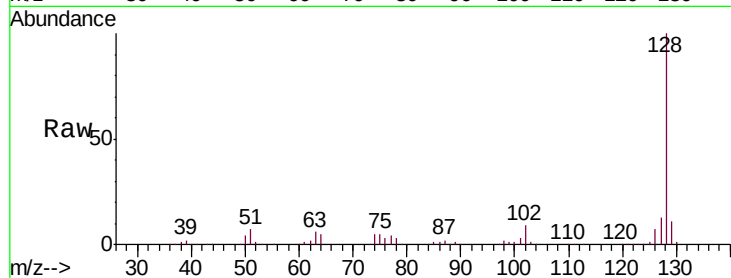




#95
Naphthalene
Concen: 157.464 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009235.D
Acq: 22 Jan 2019 14:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

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



#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

Tgt Ion:180 Resp: 206959
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.2
145 34.0 17.2 51.5

