

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009259.D
 Acq On : 24 Jan 2019 14:43
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 24 15:03:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:54:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	92477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	155308	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.90	117	144685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	75761	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	162101	143.74	ug/l	0.00
Spiked Amount			Recovery	=	287.48%	
35) Dibromofluoromethane	4.64	113	151129	149.54	ug/l	0.00
Spiked Amount			Recovery	=	299.08%	
50) Toluene-d8	7.36	98	582044	147.98	ug/l	0.00
Spiked Amount			Recovery	=	295.96%	
62) 4-Bromofluorobenzene	10.12	95	221963	149.76	ug/l	0.00
Spiked Amount			Recovery	=	299.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	128803	172.192	ug/l	98
3) Chloromethane	1.25	50	170994	169.823	ug/l	99
4) Vinyl Chloride	1.33	62	163903	143.270	ug/l	100
5) Bromomethane	1.53	94	86612	133.497	ug/l	98
6) Chloroethane	1.59	64	82768	129.443	ug/l	99
7) Trichlorofluoromethane	1.75	101	80185	99.872	ug/l	98
8) Diethyl Ether	1.96	74	74098	146.742	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.13	101	130528	130.840	ug/l	98
10) Methyl Iodide	2.26	142	230019	144.459	ug/l	97
11) Tert butyl alcohol	2.66	59	53265	834.117	ug/l	99
12) 1,1-Dichloroethene	2.14	96	138892	141.802	ug/l	96
13) Acrolein	2.06	56	34201	607.826	ug/l	97
14) Allyl chloride	2.42	41	208958	123.782	ug/l #	95
15) Acrylonitrile	2.76	53	168482	770.278	ug/l	99
16) Acetone	2.18	43	168902	551.997	ug/l	98
17) Carbon Disulfide	2.32	76	417371	139.298	ug/l	100
18) Methyl Acetate	2.45	43	101178	123.800	ug/l	98
19) Methyl tert-butyl Ether	2.80	73	209423	137.741	ug/l	99
20) Methylene Chloride	2.53	84	142095	148.558	ug/l	99
21) trans-1,2-Dichloroethene	2.78	96	143311	135.803	ug/l	94
22) Diisopropyl ether	3.33	45	480156	133.576	ug/l	95
23) Vinyl Acetate	3.30	43	1535090	787.055	ug/l	98
24) 1,1-Dichloroethane	3.22	63	303635	135.768	ug/l	98
25) 2-Butanone	4.01	43	275963	788.694	ug/l	98
26) 2,2-Dichloropropane	3.95	77	159675	126.864	ug/l	96
27) cis-1,2-Dichloroethene	3.95	96	183869	144.168	ug/l	95
28) Bromochloromethane	4.29	49	123503	149.647	ug/l	94
29) Tetrahydrofuran	4.38	42	164833	866.143	ug/l	97
30) Chloroform	4.42	83	302438	134.649	ug/l	99
31) Cyclohexane	4.72	56	257053	125.906	ug/l	97
32) 1,1,1-Trichloroethane	4.65	97	234025	123.617	ug/l	99
36) 1,1-Dichloropropene	4.87	75	227018	131.655	ug/l	98
37) Ethyl Acetate	4.12	43	114672	173.041	ug/l	98
38) Carbon Tetrachloride	4.87	117	229154	132.744	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	281490	137.854	ug/l	98
40) Benzene	5.14	78	677059	140.388	ug/l	98
41) Methacrylonitrile	4.31	41	66690	166.980	ug/l	95
42) 1,2-Dichloroethane	5.17	62	204431	135.438	ug/l	97
43) Isopropyl Acetate	5.32	43	215603	165.403	ug/l	96
44) Trichloroethene	5.96	130	179235	141.231	ug/l	96
45) 1,2-Dichloropropane	6.22	63	164856	142.109	ug/l	100
46) Dibromomethane	6.35	93	92485	155.370	ug/l	95
47) Bromodichloromethane	6.55	83	225999	143.678	ug/l	98
48) Methyl methacrylate	6.42	41	111479	167.598	ug/l	97
49) 1,4-Dioxane	6.41	88	30183	3980.602	ug/l #	90
51) 4-Methyl-2-Pentanone	7.27	43	566665	856.598	ug/l	98
52) Toluene	7.43	92	431802	141.539	ug/l	98
53) t-1,3-Dichloropropene	7.69	75	236176	154.268	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	269049	152.621	ug/l	97
55) 1,1,2-Trichloroethane	7.88	97	126827	151.220	ug/l	98
56) Ethyl methacrylate	7.83	69	172915	176.962	ug/l	98
57) 1,3-Dichloropropane	8.05	76	229169	150.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.93	63	31902	2089.211	ug/l #	89
59) 2-Hexanone	8.18	43	409961	856.812	ug/l	98
60) Dibromochloromethane	8.29	129	155634	158.488	ug/l	100
61) 1,2-Dibromoethane	8.40	107	132065	161.021	ug/l	98
64) Tetrachloroethene	8.02	164	148430	144.163	ug/l	96
65) Chlorobenzene	8.93	112	475736	141.334	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	165495	143.859	ug/l	98
67) Ethyl Benzene	9.05	91	837401	139.645	ug/l	98
68) m/p-Xylenes	9.18	106	639400	280.863	ug/l	97
69) o-Xylene	9.59	106	307688	145.780	ug/l	97
70) Styrene	9.60	104	513971	152.583	ug/l	96
71) Bromoform	9.77	173	94984	175.093	ug/l #	97
73) Isopropylbenzene	9.98	105	834047	133.317	ug/l	99
74) N-amyl acetate	9.84	43	200869	173.629	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.29	83	162779	154.338	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	123728	149.168	ug/l	65
77) Bromobenzene	10.26	156	191950	143.445	ug/l	95
78) n-propylbenzene	10.40	91	980030	132.141	ug/l	99
79) 2-Chlorotoluene	10.47	91	578134	129.193	ug/l	97
80) 1,3,5-Trimethylbenzene	10.59	105	701128	133.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	52081	177.689	ug/l	93
82) 4-Chlorotoluene	10.59	91	684527	129.873	ug/l	98
83) tert-Butylbenzene	10.91	119	682365	136.583	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	714904	135.071	ug/l	99
85) sec-Butylbenzene	11.14	105	869533	132.884	ug/l	100
86) p-Isopropyltoluene	11.29	119	778065	135.801	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	381639	137.357	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	383786	136.636	ug/l	98
89) n-Butylbenzene	11.70	91	741004	133.242	ug/l	99
90) Hexachloroethane	11.95	117	144309	141.639	ug/l	97
91) 1,2-Dichlorobenzene	11.69	146	344570	140.489	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	29778	168.174	ug/l	95

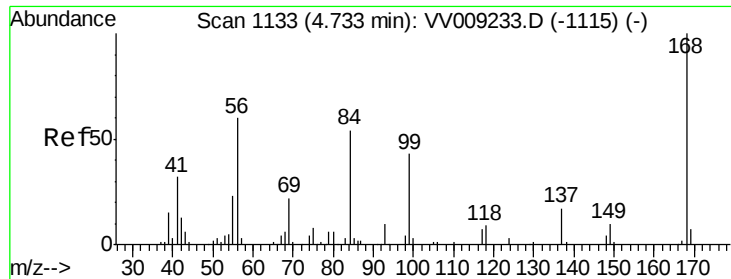
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV012419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	244544	154.885	ug/l	100
94) Hexachlorobutadiene	13.50	225	133351	136.274	ug/l	100
95) Naphthalene	13.55	128	497663	182.294	ug/l	99
96) 1,2,3-Trichlorobenzene	13.80	180	212107	158.647	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

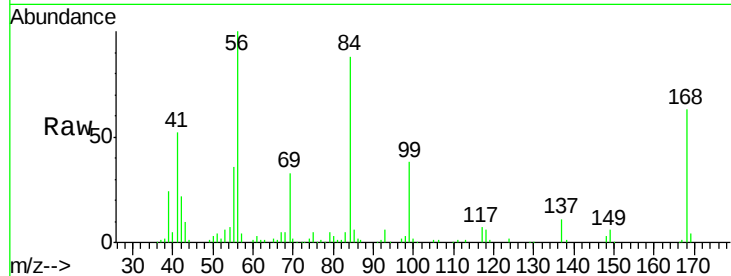
VSTDIC150

Tot Ion:168 Resp: 92477

Ion Ratio Lower Upper

168 100

99 60.2 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) (-)

60000

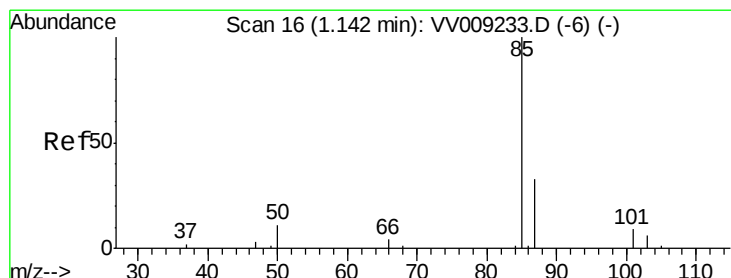
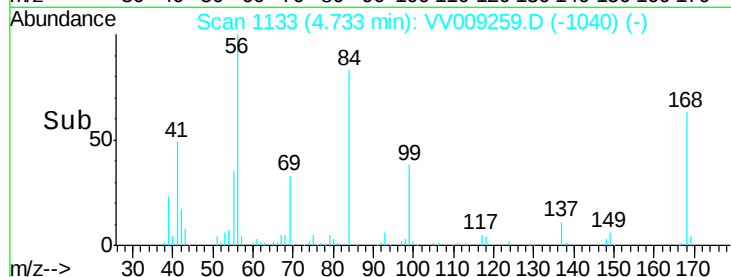
40000

20000

0

4.70 4.80

Time-->



#2

Dichlorodifluoromethane

Concen: 172.192 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009259.D

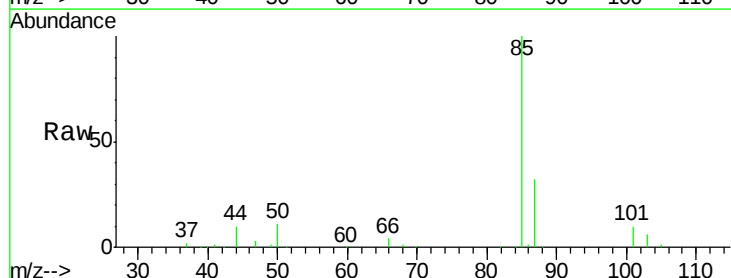
Acq: 24 Jan 2019 14:43

Tgt Ion: 85 Resp: 128803

Ion Ratio Lower Upper

85 100

87 31.9 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) (-)

50000

40000

30000

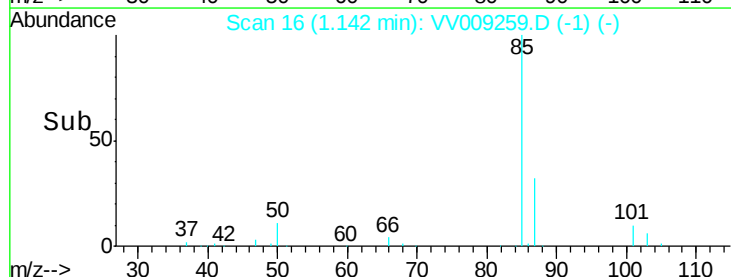
20000

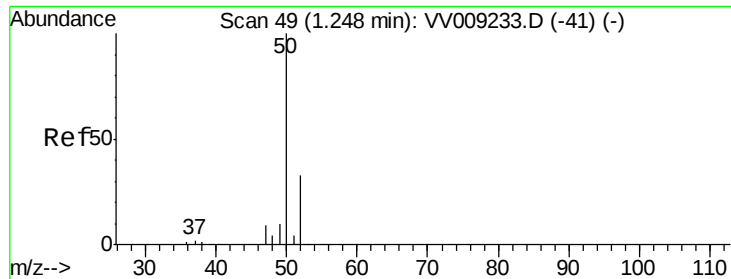
10000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 169.823 ug/l

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

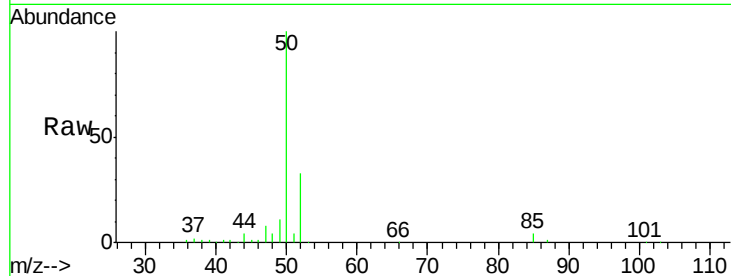
VSTDIC150

Tot Ion: 50 Resp: 170994

Ion Ratio Lower Upper

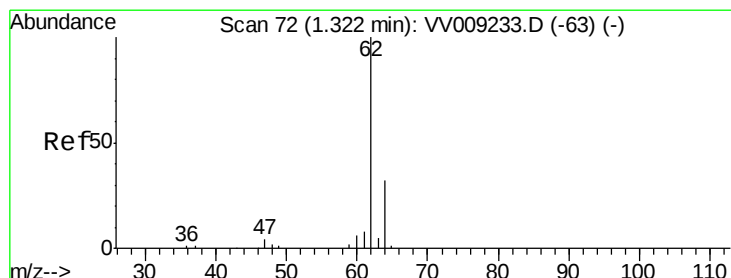
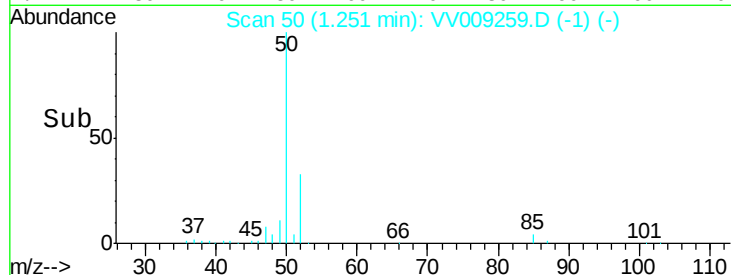
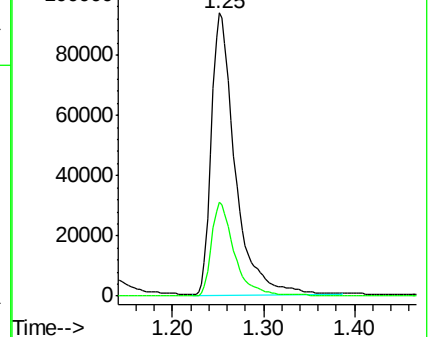
50 100

52 33.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VV009233.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VV009259.D (-1) (-)



#4

Vinyl Chloride

Concen: 143.270 ug/l

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV009259.D

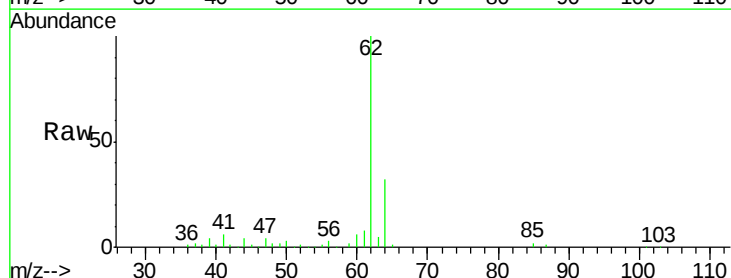
Acq: 24 Jan 2019 14:43

Tgt Ion: 62 Resp: 163903

Ion Ratio Lower Upper

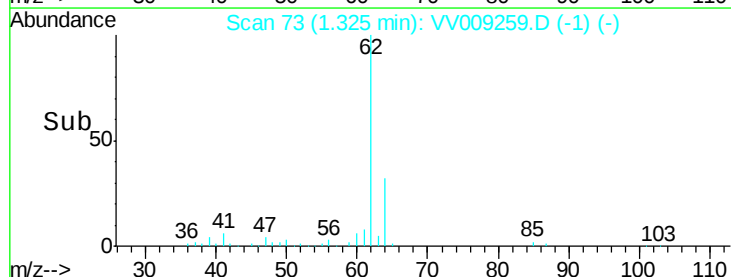
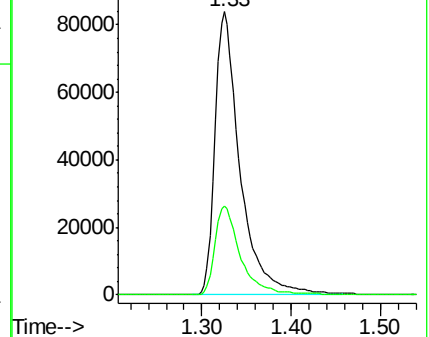
62 100

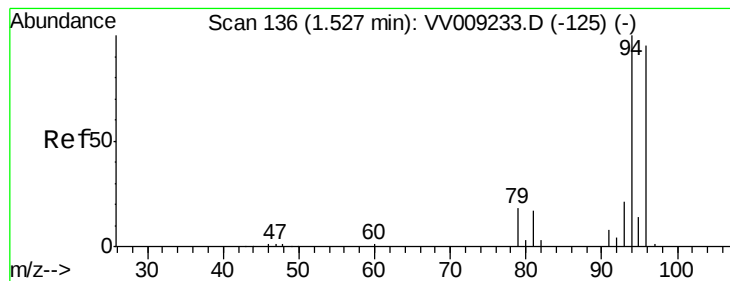
64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VV009233.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VV009259.D (-1) (-)





#5

Bromomethane

Concen: 133.497 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

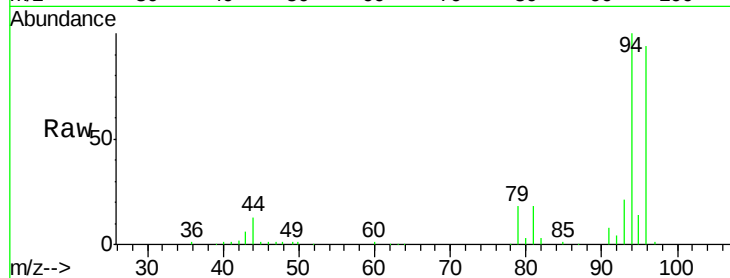
VSTDIC150

Tot Ion: 94 Resp: 86612

Ion Ratio Lower Upper

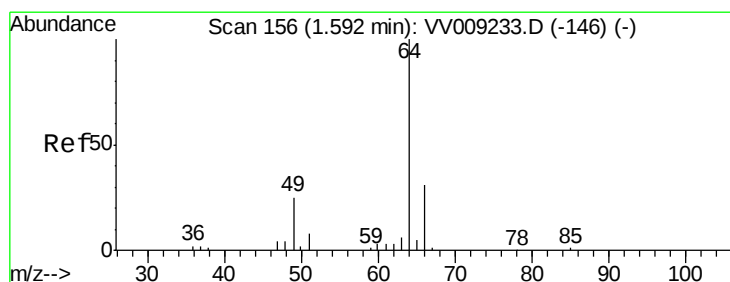
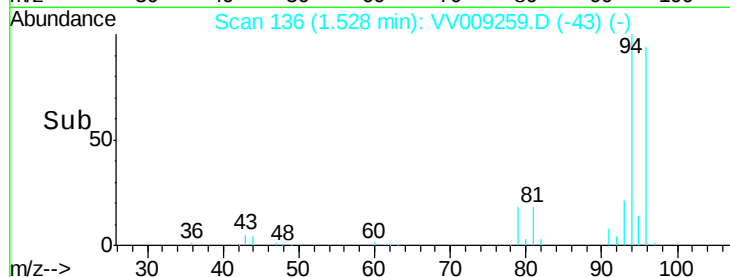
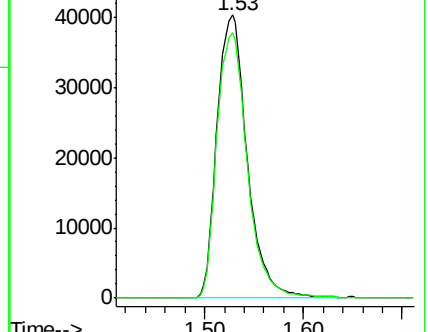
94 100

96 93.8 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VV009233.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VV009259.D (-43) (-)



#6

Chloroethane

Concen: 129.443 ug/l

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009259.D

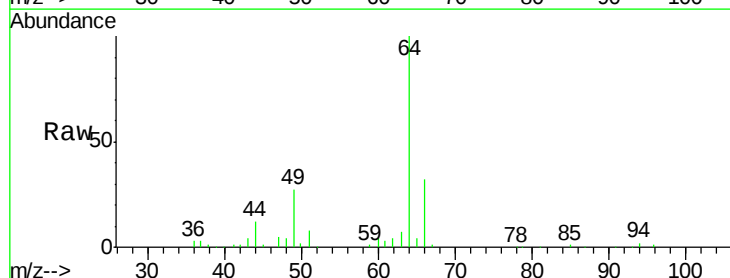
Acq: 24 Jan 2019 14:43

Tgt Ion: 64 Resp: 82768

Ion Ratio Lower Upper

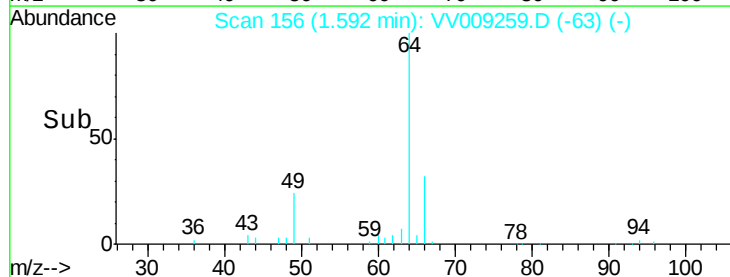
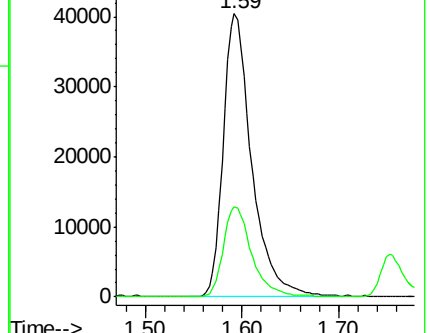
64 100

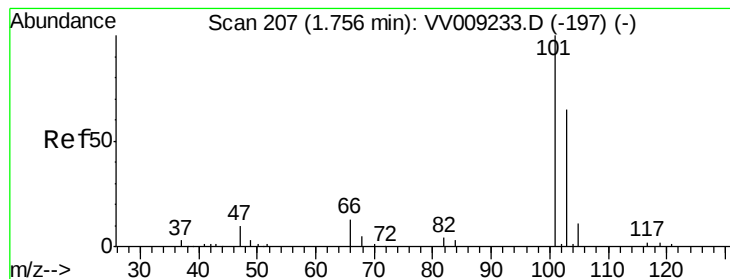
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV009233.D (-146) (-)

Ion 65.90 (65.60 to 66.60): VV009259.D (-63) (-)



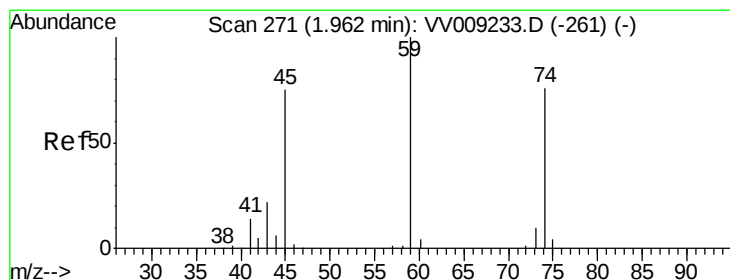
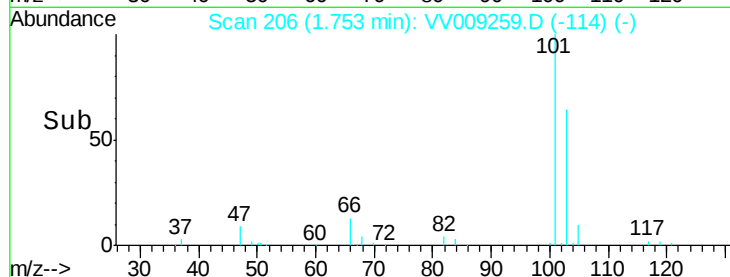
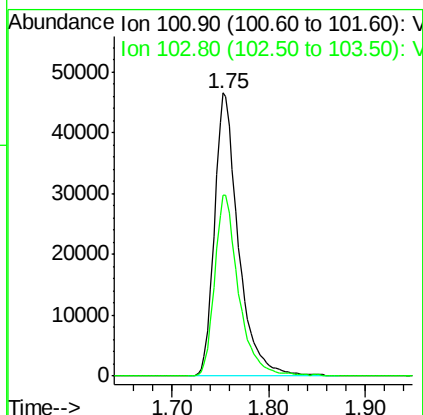
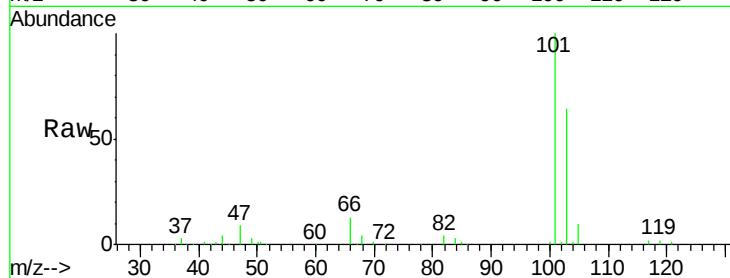


#7

Trichlorofluoromethane
 Concen: 99.872 ug/l
 RT: 1.75 min Scan# 206
 Delta R.T. -0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Instrument :
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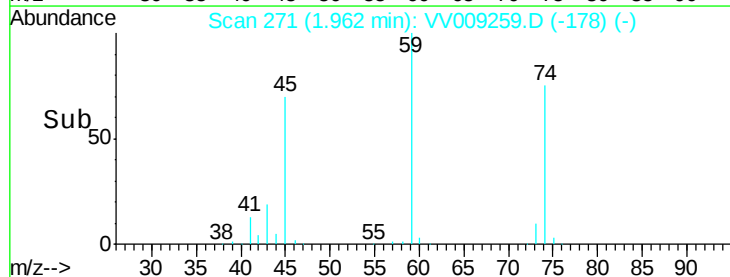
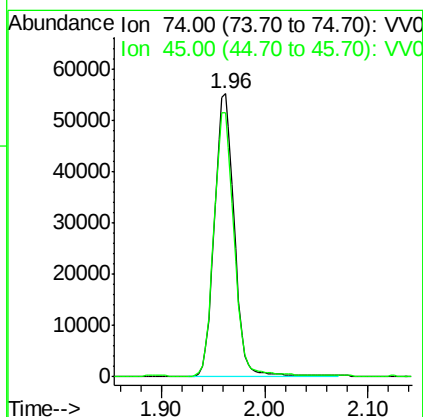
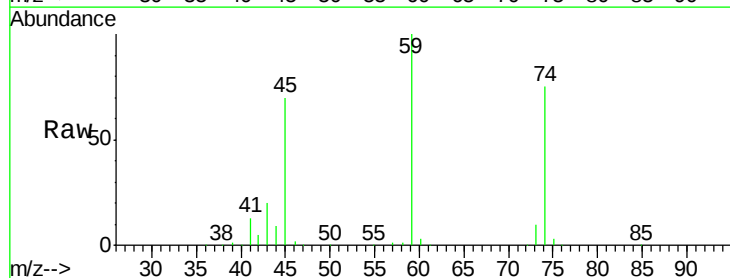
Tot Ion:101 Resp: 80185
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.2 78.4

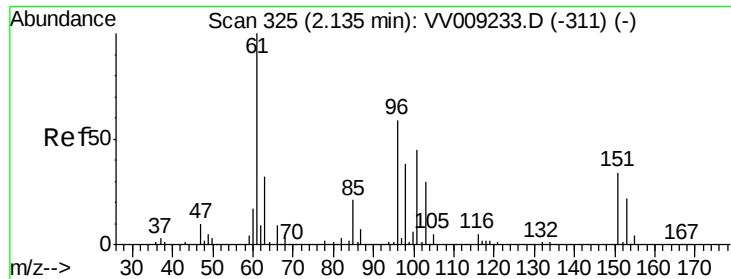


#8

Diethyl Ether
 Concen: 146.742 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Tgt Ion: 74 Resp: 74098
 Ion Ratio Lower Upper
 74 100
 45 93.9 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.840 ug/l

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

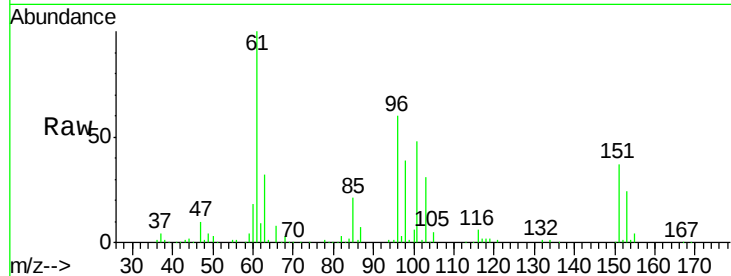
Tot Ion:101 Resp: 130528

Ion Ratio Lower Upper

101 100

85 43.7 35.3 52.9

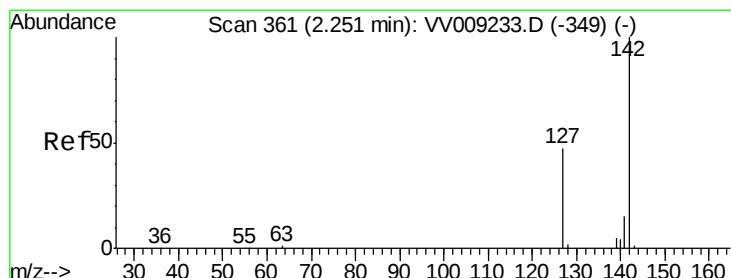
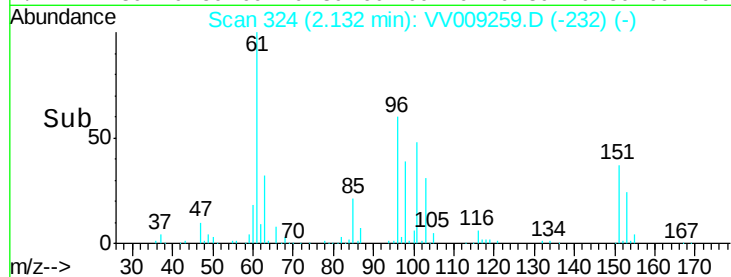
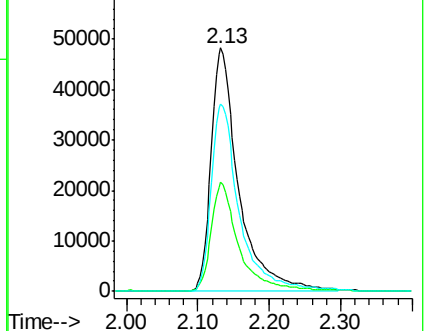
151 78.1 60.1 90.1



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: 144.459 ug/l

RT: 2.26 min Scan# 363

Delta R.T. 0.01 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

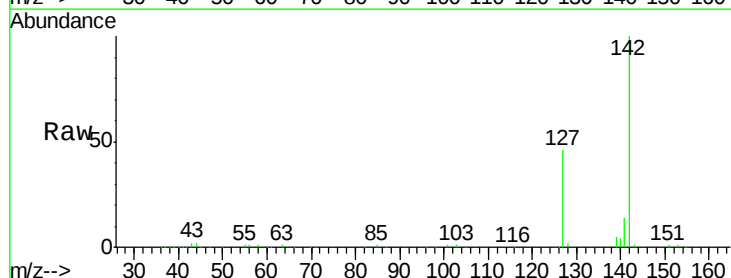
Tgt Ion:142 Resp: 230019

Ion Ratio Lower Upper

142 100

127 45.4 37.9 56.9

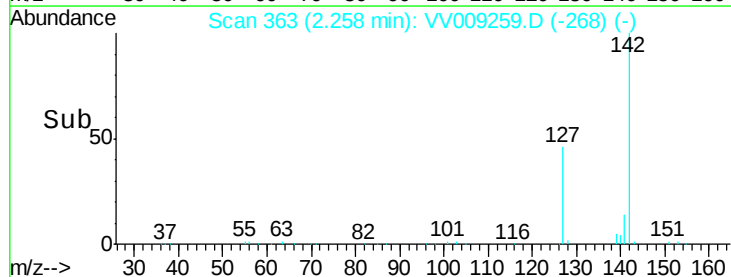
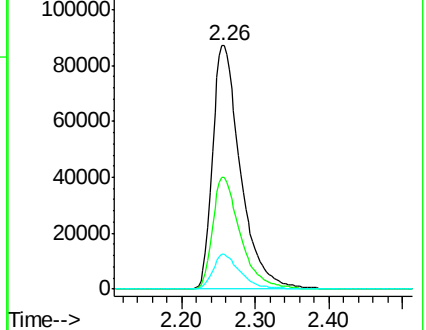
141 14.1 11.7 17.5

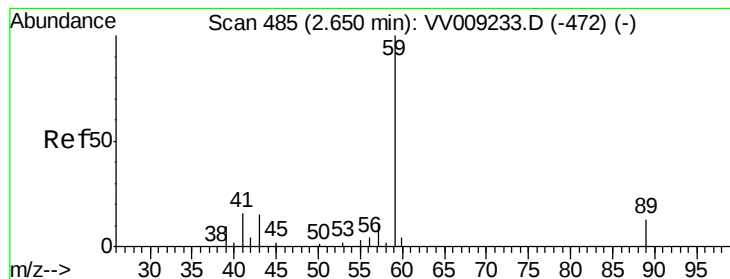


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



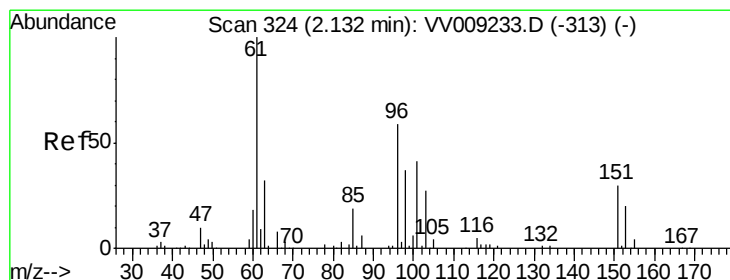
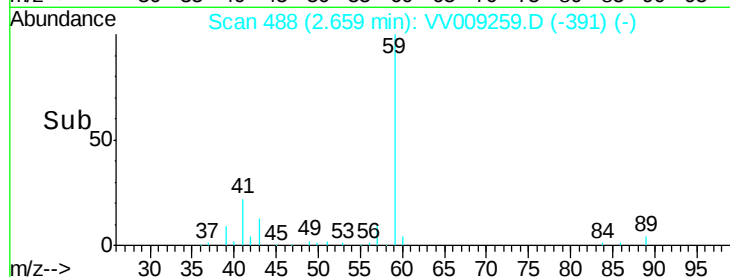
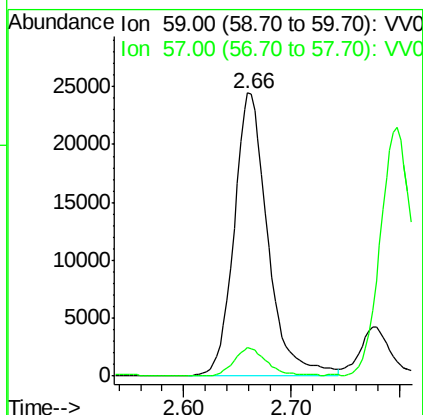
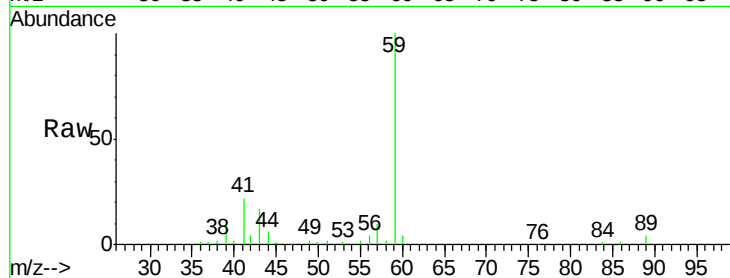


#11

Tert butyl alcohol
 Concen: 834.117 ug/l
 RT: 2.66 min Scan# 488
 Delta R.T. 0.01 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Instrument :
 MSVOA_V
 ClientSampled :
 VSTDIC150

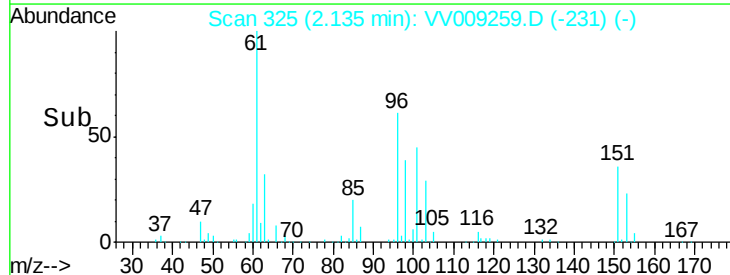
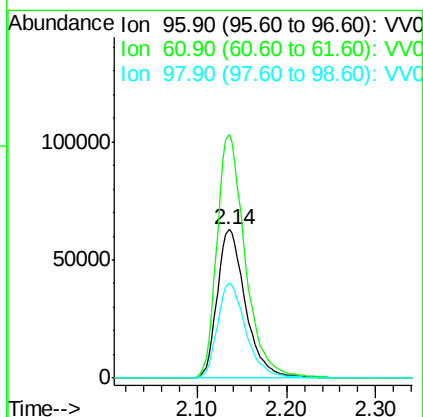
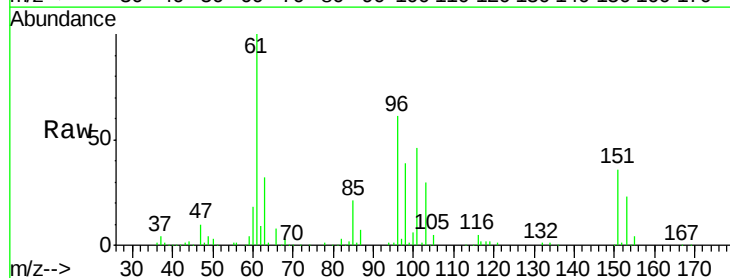
Tot Ion: 59 Resp: 53265
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.4 12.6

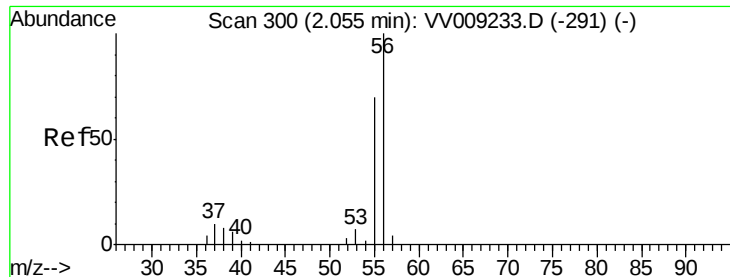


#12

1,1-Dichloroethene
 Concen: 141.802 ug/l
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Tgt Ion: 96 Resp: 138892
 Ion Ratio Lower Upper
 96 100
 61 164.0 136.6 205.0
 98 64.1 50.6 75.8





#13

Acrolein

Concen: 607.826 ug/l

RT: 2.06 min Scan# 300

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

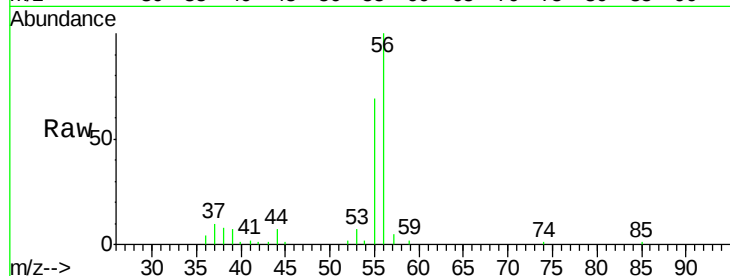
VSTDIC150

Tot Ion: 56 Resp: 34201

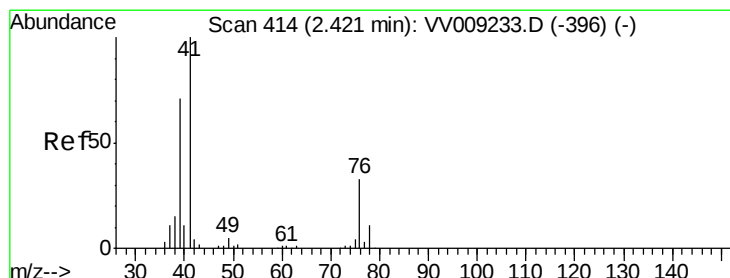
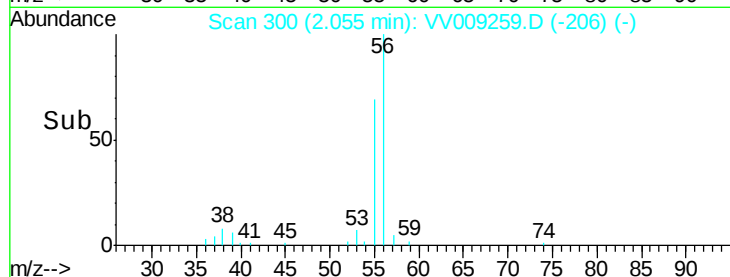
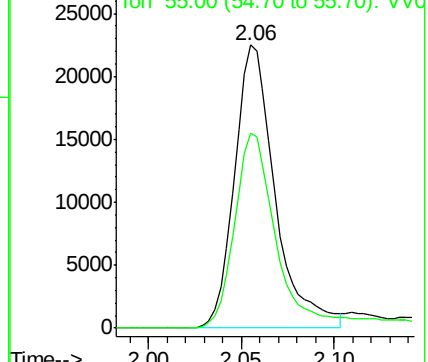
Ion Ratio Lower Upper

56 100

55 70.2 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VV009233.D (-291) (-)



#14

Allyl chloride

Concen: 123.782 ug/l

RT: 2.42 min Scan# 413

Delta R.T. -0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

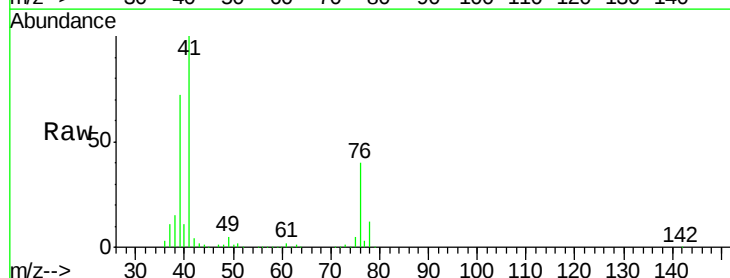
Tgt Ion: 41 Resp: 208958

Ion Ratio Lower Upper

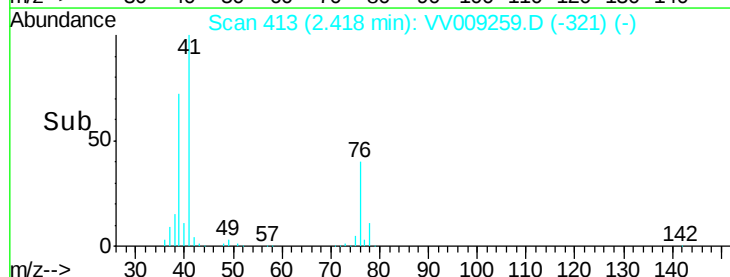
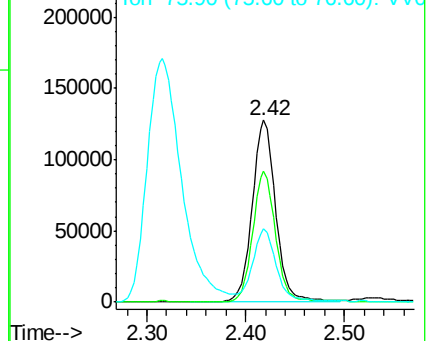
41 100

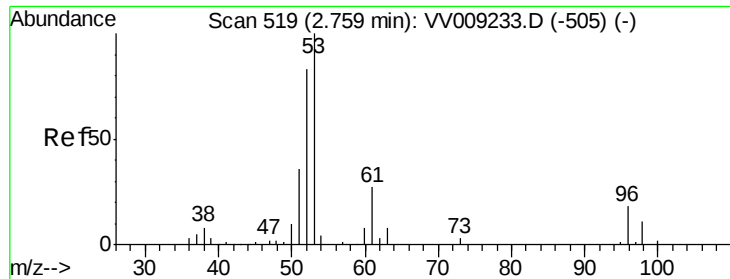
39 70.0 55.1 82.7

76 40.8 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VV009233.D (-396) (-)





#15

Acrylonitrile

Concen: 770.278 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

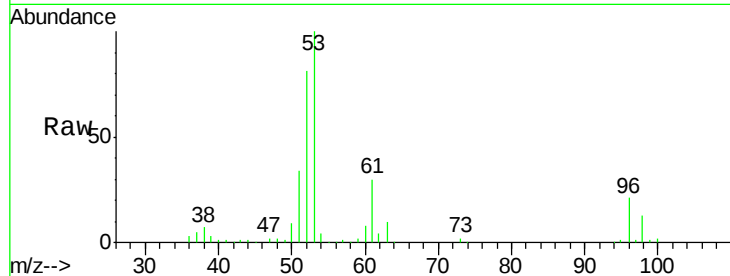
Tot Ion: 53 Resp: 168482

Ion Ratio Lower Upper

53 100

52 80.7 65.3 97.9

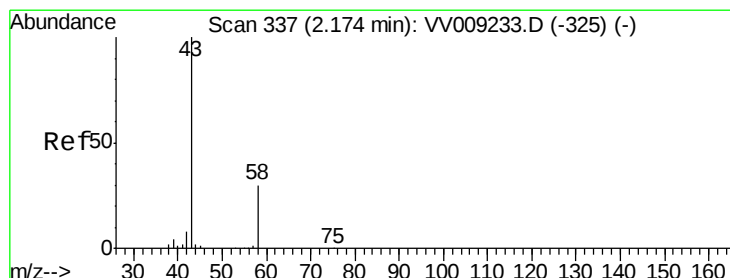
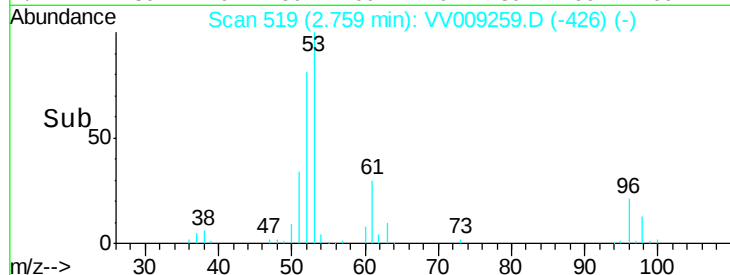
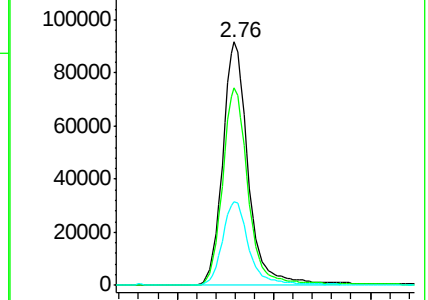
51 35.8 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VV009259.D (-244) (-)

Ion 52.00 (51.70 to 52.70): VV009259.D (-244) (-)

Ion 51.00 (50.70 to 51.70): VV009259.D (-244) (-)



#16

Acetone

Concen: 551.997 ug/l

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV009259.D

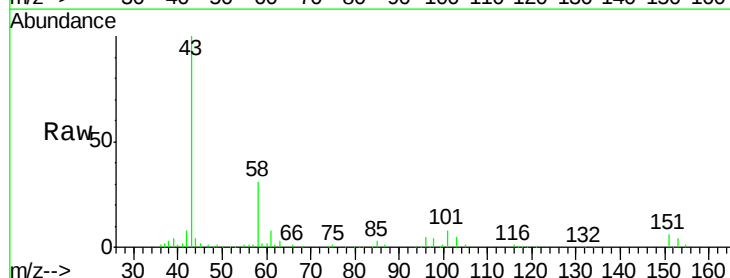
Acq: 24 Jan 2019 14:43

Tgt Ion: 43 Resp: 168902

Ion Ratio Lower Upper

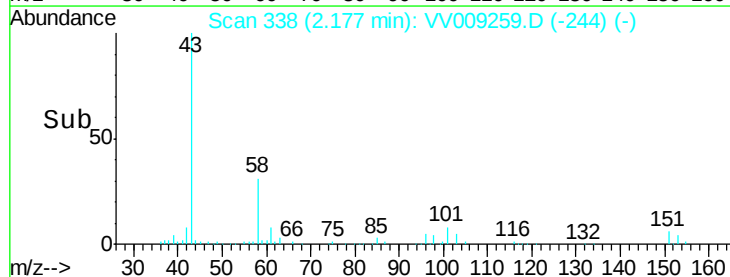
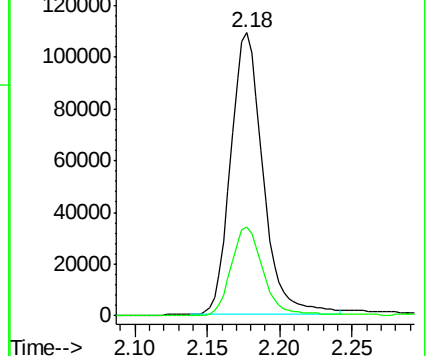
43 100

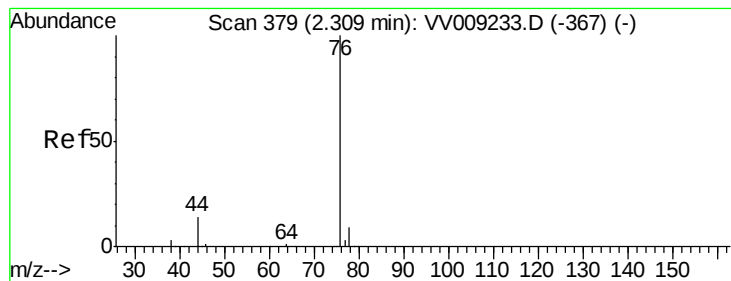
58 31.4 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV009259.D (-244) (-)

Ion 58.00 (57.70 to 58.70): VV009259.D (-244) (-)





#17

Carbon Disulfide

Concen: 139.298 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

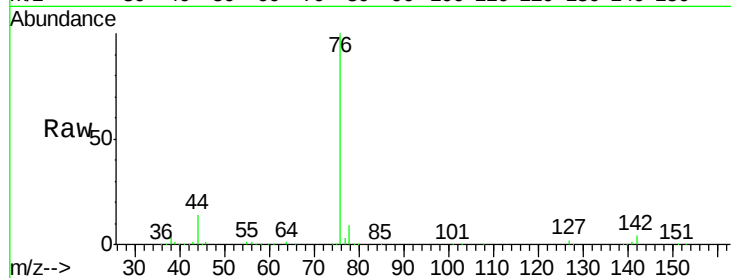
VSTDIC150

Tot Ion: 76 Resp: 417371

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0

200000

150000

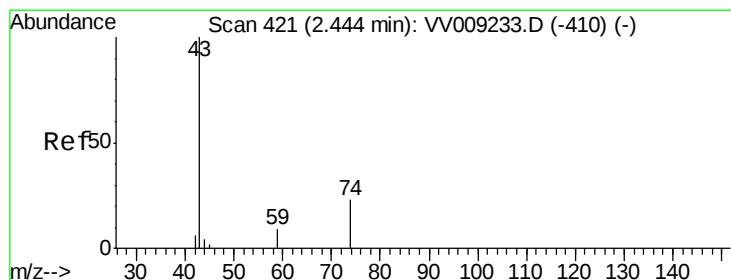
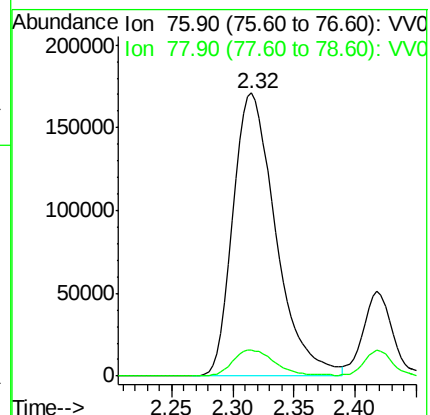
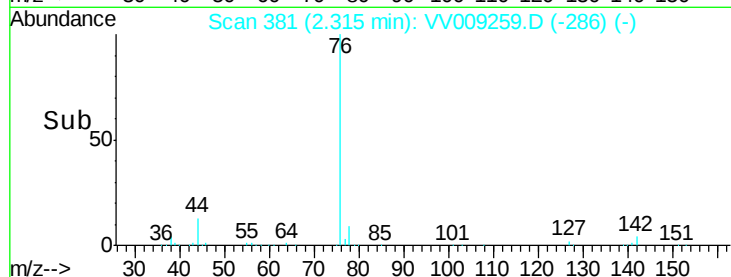
100000

50000

0

2.25 2.30 2.35 2.40

Time-->



#18

Methyl Acetate

Concen: 123.800 ug/l

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV009259.D

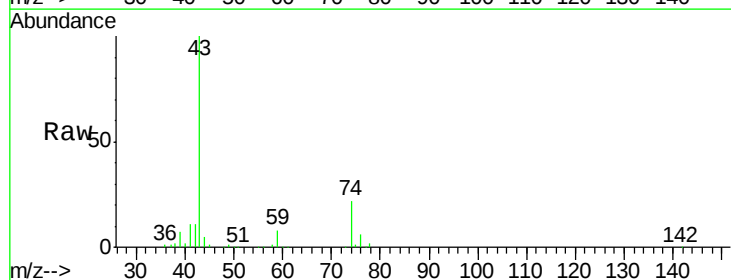
Acq: 24 Jan 2019 14:43

Tgt Ion: 43 Resp: 101178

Ion Ratio Lower Upper

43 100

74 23.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

60000

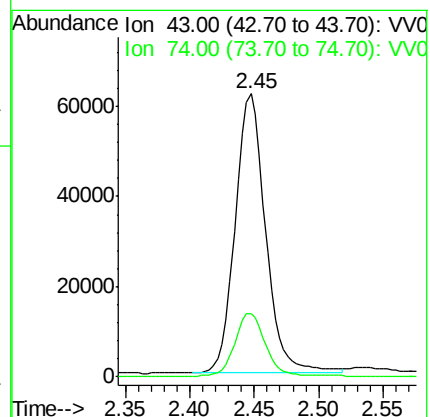
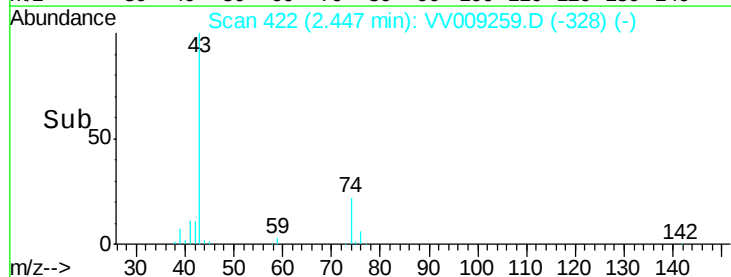
40000

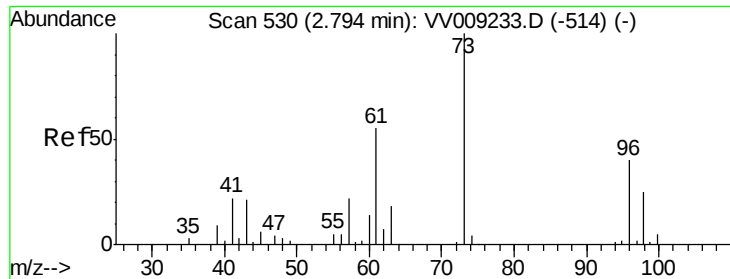
20000

0

2.35 2.40 2.45 2.50 2.55

Time-->

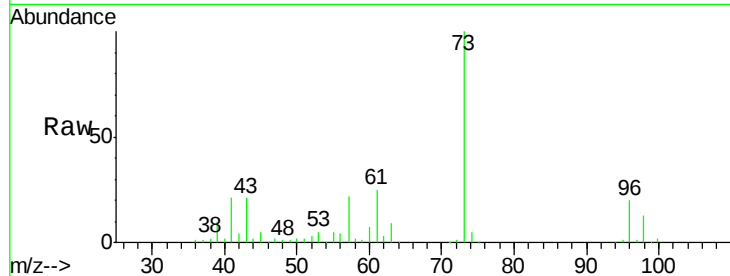




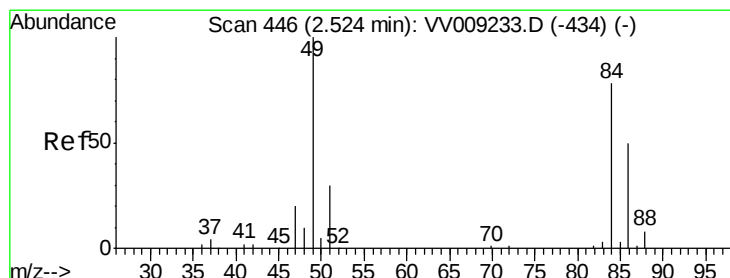
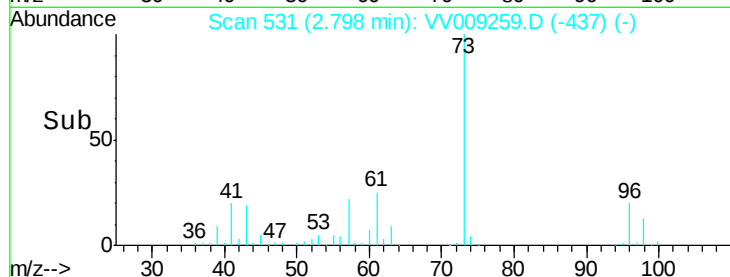
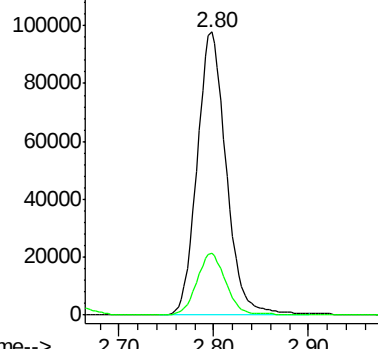
#19
Methvl tert-butvl Ether
Concen: 137.741 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 209423
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0

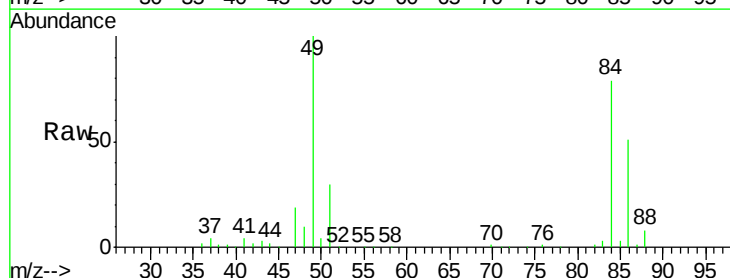


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

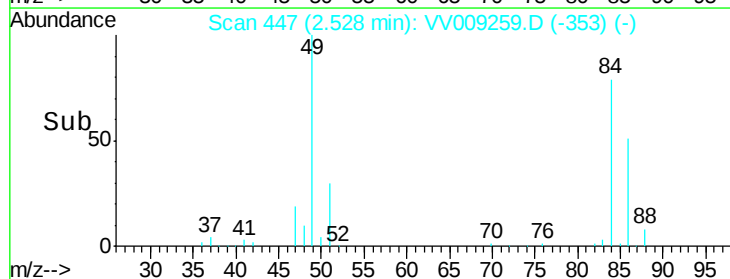
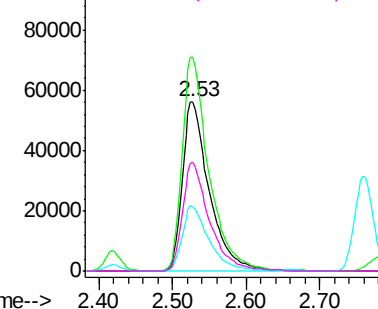


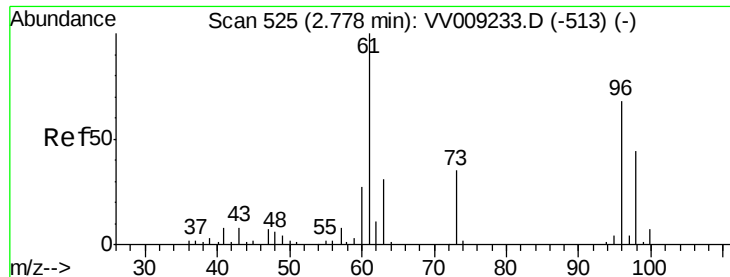
#20
Methylene Chloride
Concen: 148.558 ug/l
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion: 84 Resp: 142095
Ion Ratio Lower Upper
84 100
49 126.0 102.0 153.0
51 38.1 30.9 46.3
86 64.0 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VV0
Ion 48.90 (48.60 to 49.60): VV0
Ion 50.90 (50.60 to 51.60): VV0
Ion 85.90 (85.60 to 86.60): VV0





#21

trans-1,2-Dichloroethene

Concen: 135.803 ug/l

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampled :

VSTDIC150

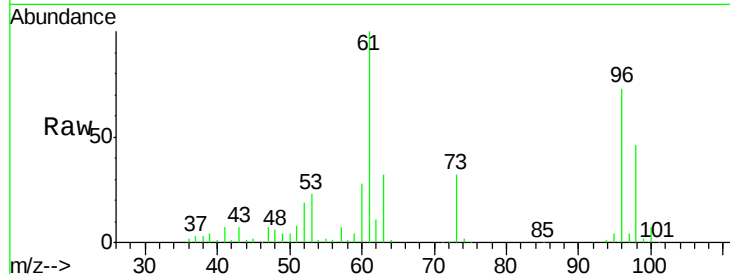
Tot Ion: 96 Resp: 143311

Ion Ratio Lower Upper

96 100

61 136.4 117.7 176.5

98 63.3 51.5 77.3

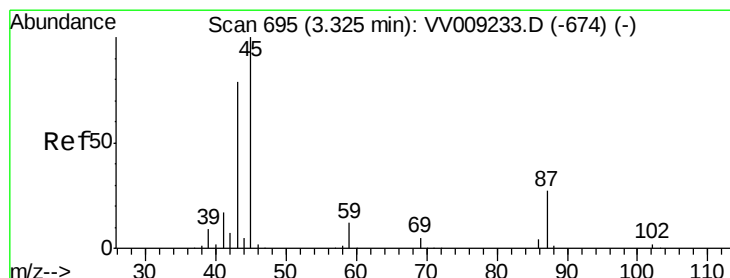
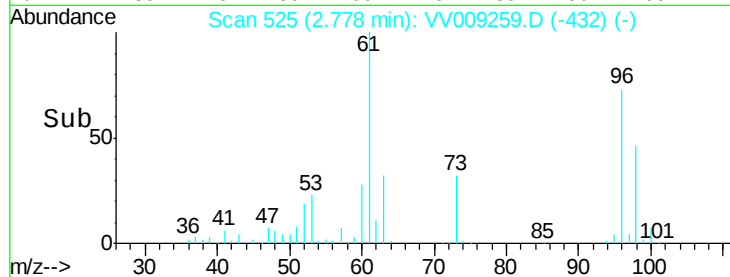
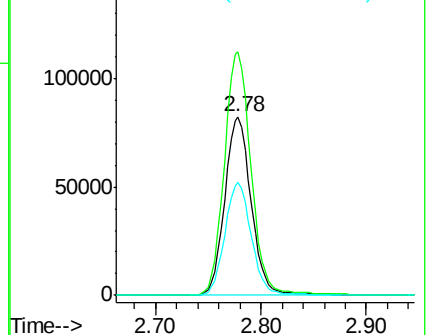


Abundance

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: 133.576 ug/l

RT: 3.33 min Scan# 696

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Tgt Ion: 45 Resp: 480156

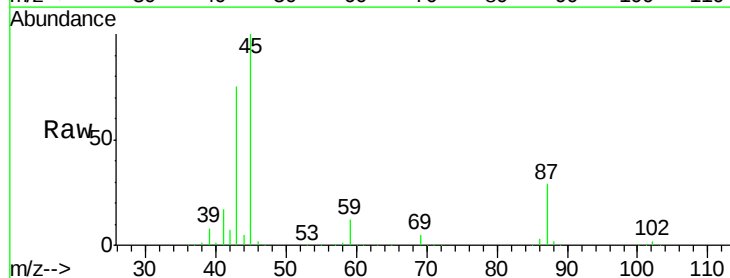
Ion Ratio Lower Upper

45 100

43 73.8 63.0 94.4

87 28.6 21.5 32.3

59 11.7 9.3 13.9



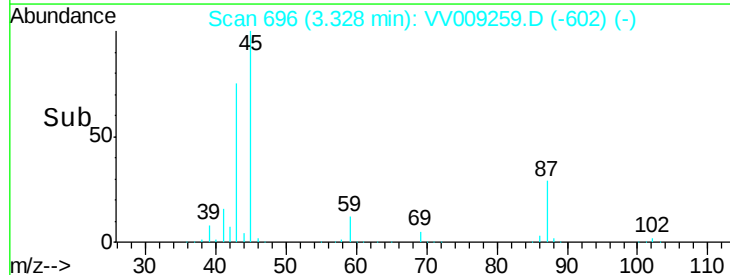
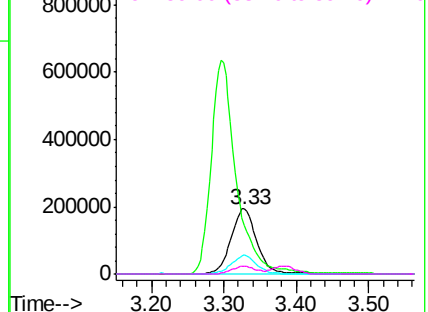
Abundance

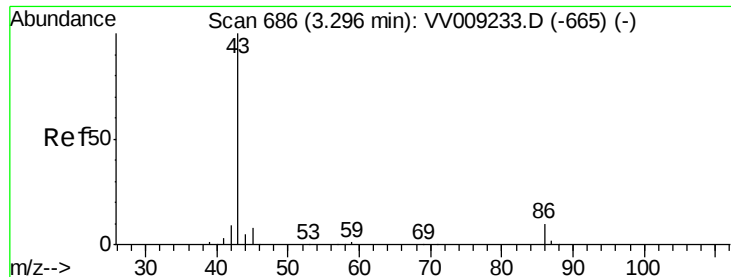
Ion 45.00 (44.70 to 45.70): VV0

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

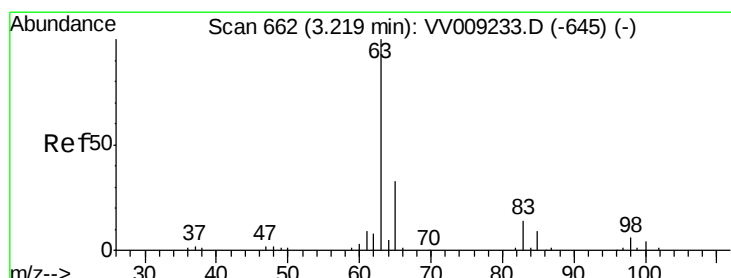
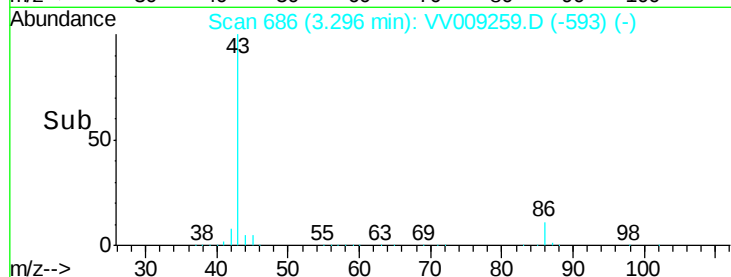
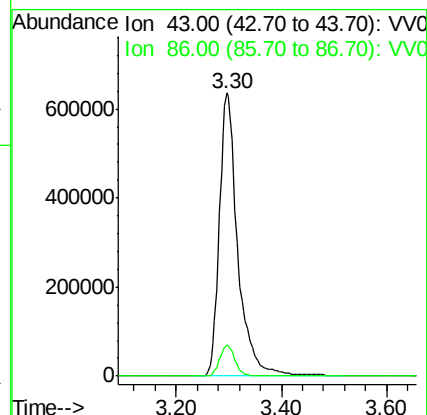
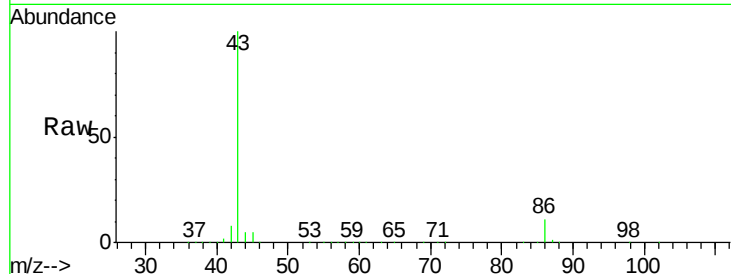




#23
 Vinyl Acetate
 Concen: 787.055 ug/l
 RT: 3.30 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

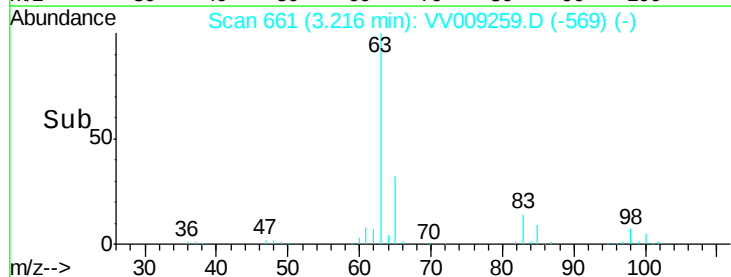
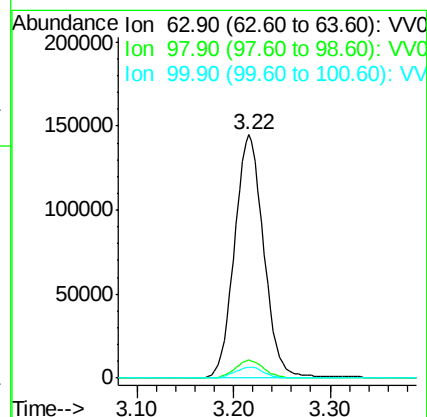
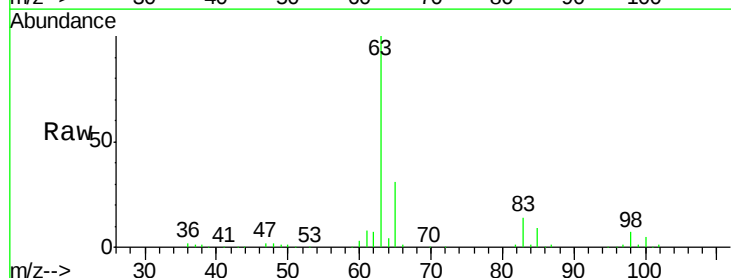
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

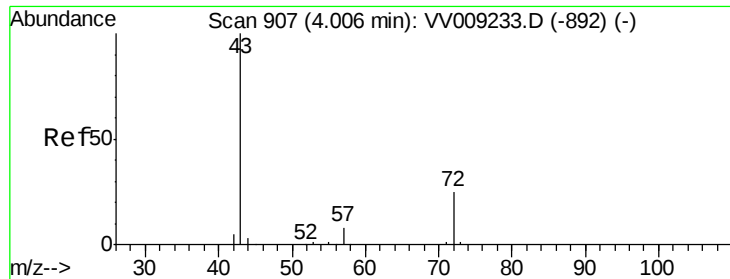
Tot Ion: 43 Resp: 1535090
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 135.768 ug/l
 RT: 3.22 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Tgt Ion: 63 Resp: 303635
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.8
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 788.694 ug/l

RT: 4.01 min Scan# 909

Delta R.T. 0.01 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

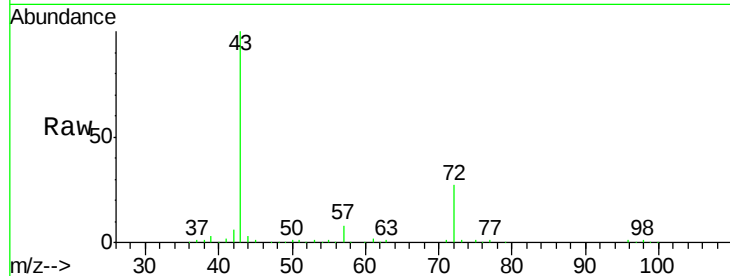
VSTDIC150

Tot Ion: 43 Resp: 275963

Ion Ratio Lower Upper

43 100

72 26.3 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

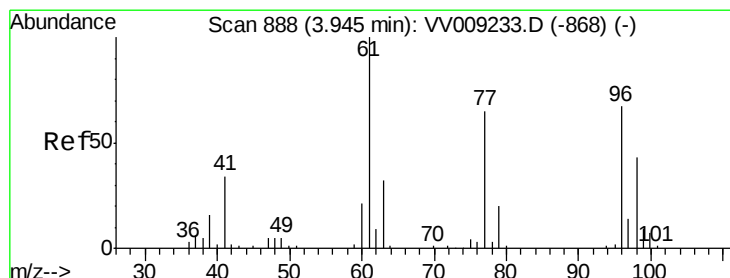
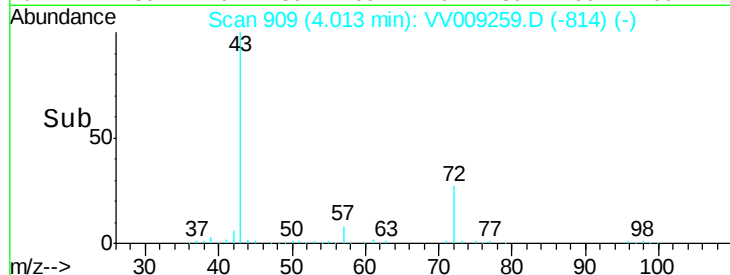
40000

20000

0

Time-->

3.90 3.95 4.00 4.05 4.10



#26

2,2-Dichloropropane

Concen: 126.864 ug/l

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

Lab File: VV009259.D

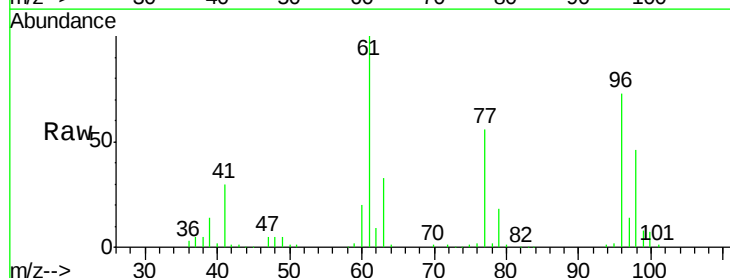
Acq: 24 Jan 2019 14:43

Tgt Ion: 77 Resp: 159675

Ion Ratio Lower Upper

77 100

97 23.8 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VV009233.D (-868) (-)

Ion 96.90 (96.60 to 97.60): VV009233.D (-868) (-)

60000

50000

40000

30000

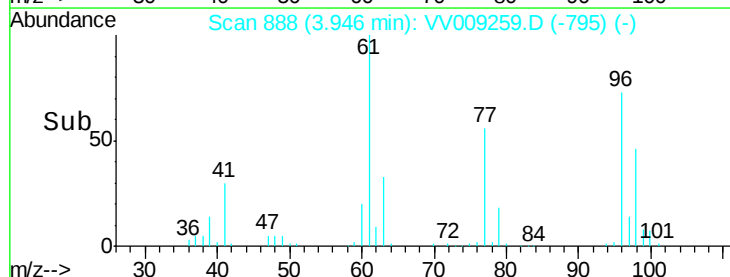
20000

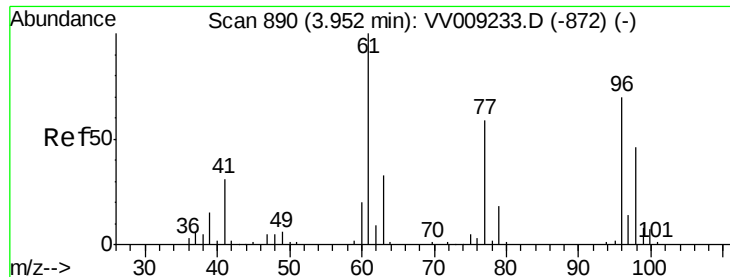
10000

0

Time-->

3.80 3.90 4.00 4.10



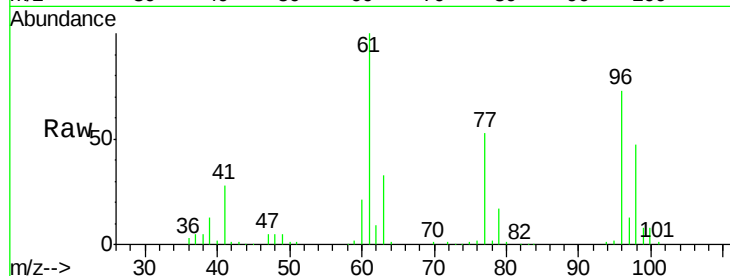


#27

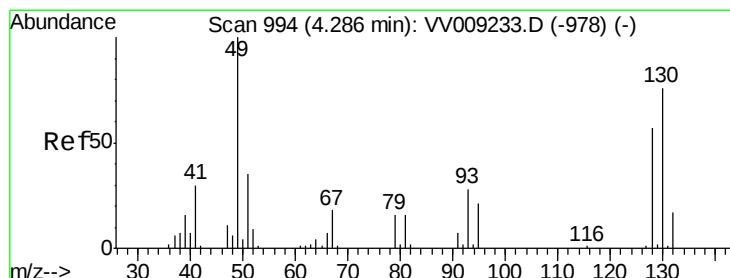
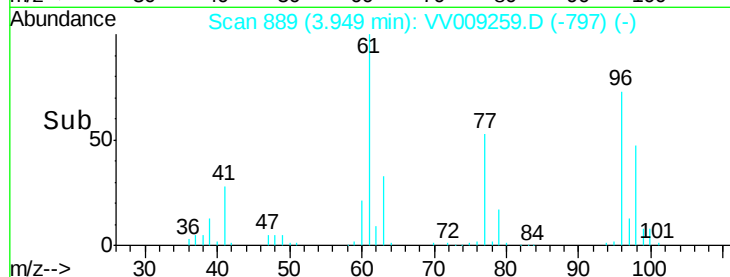
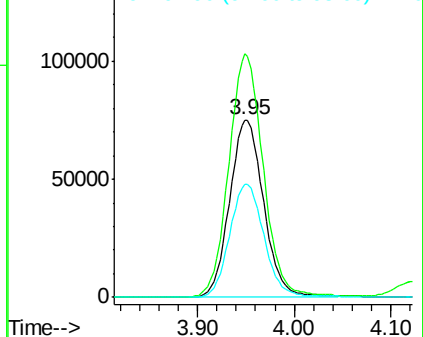
cis-1,2-Dichloroethene
Concen: 144.168 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	96	Resp	183869
Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	296.4
98	65.0	0.0	130.0



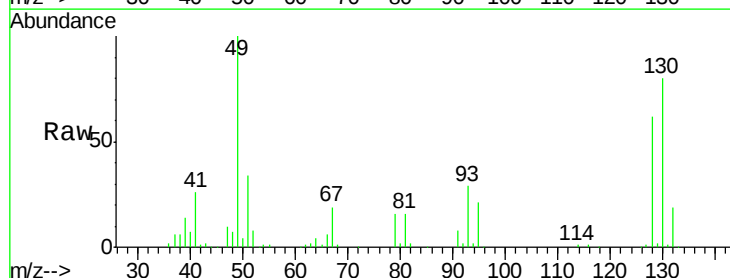
Abundance Ion 95.90 (95.60 to 96.60): VV0
Ion 60.90 (60.60 to 61.60): VV0
Ion 97.90 (97.60 to 98.60): VV0



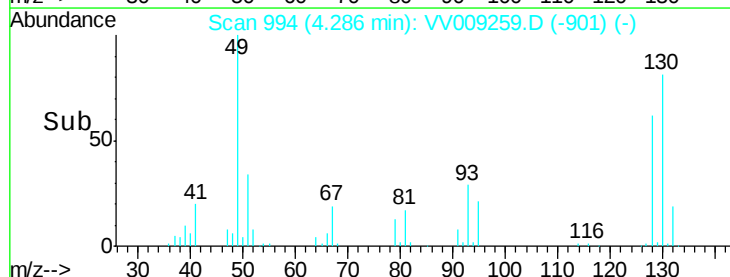
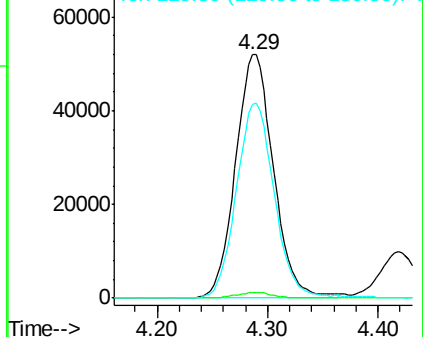
#28

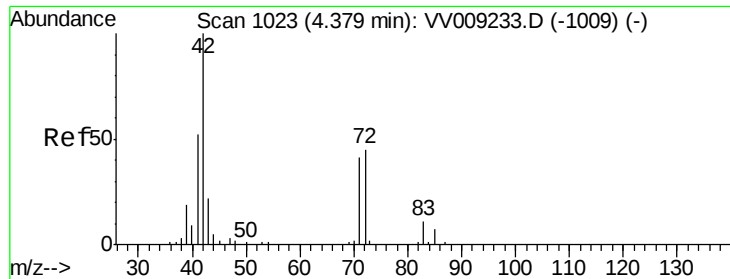
Bromochloromethane
Concen: 149.647 ug/l
RT: 4.29 min Scan# 994
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion	49	Resp	123503
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.6
130	80.5	60.2	90.4



Abundance Ion 48.90 (48.60 to 49.60): VV0
Ion 128.80 (128.50 to 129.50): VV0
Ion 129.80 (129.50 to 130.50): VV0





#29

Tetrahydrofuran

Concen: 866.143 ug/l

RT: 4.38 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

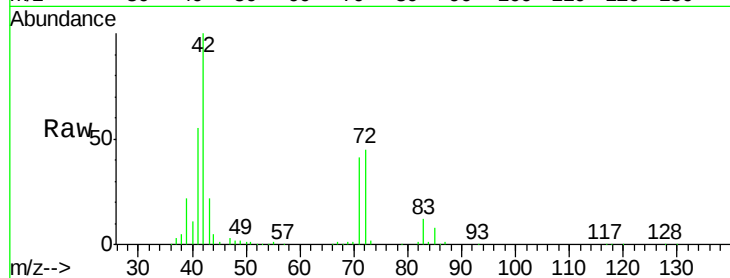
Tot Ion: 42 Resp: 164833

Ion Ratio Lower Upper

42 100

72 47.1 37.7 56.5

71 43.1 31.5 47.3

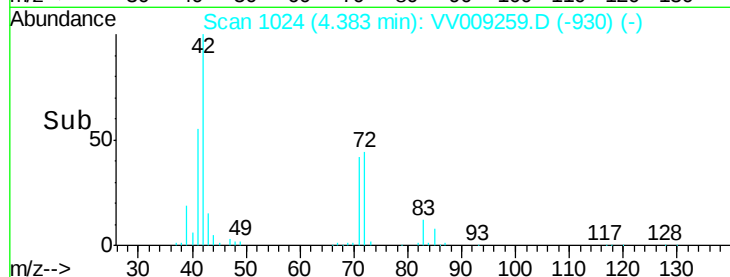


Abundance Ion 42.00 (41.70 to 42.70): VV009233.D (-1009) (-)

Ion 72.00 (71.70 to 72.70): VV009233.D (-1009) (-)

Ion 71.00 (70.70 to 71.70): VV009233.D (-1009) (-)

Time-->



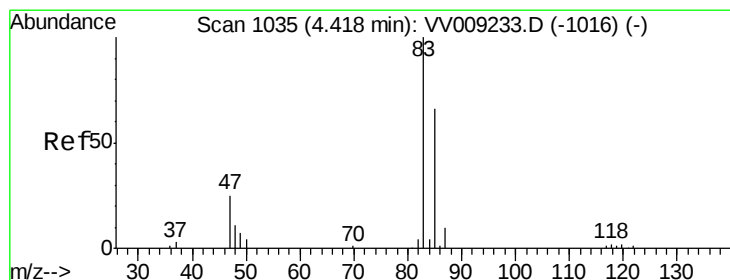
Abundance

Ion 42.00 (41.70 to 42.70): VV009233.D (-1009) (-)

Ion 72.00 (71.70 to 72.70): VV009233.D (-1009) (-)

Ion 71.00 (70.70 to 71.70): VV009233.D (-1009) (-)

Time-->



#30

Chloroform

Concen: 134.649 ug/l

RT: 4.42 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VV009259.D

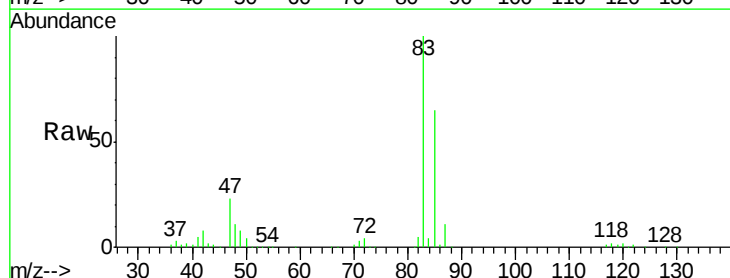
Acq: 24 Jan 2019 14:43

Tgt Ion: 83 Resp: 302438

Ion Ratio Lower Upper

83 100

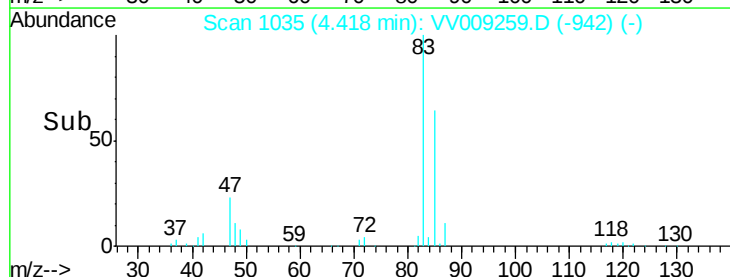
85 64.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VV009233.D (-1016) (-)

Ion 84.90 (84.60 to 85.60): VV009233.D (-1016) (-)

Time-->

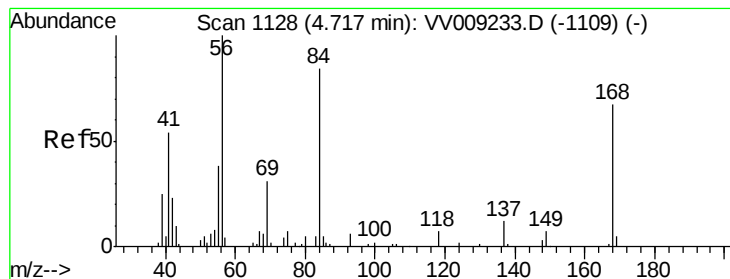


Abundance

Ion 82.90 (82.60 to 83.60): VV009233.D (-1016) (-)

Ion 84.90 (84.60 to 85.60): VV009233.D (-1016) (-)

Time-->



#31

Cyclohexane

Concen: 125.906 ug/l

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

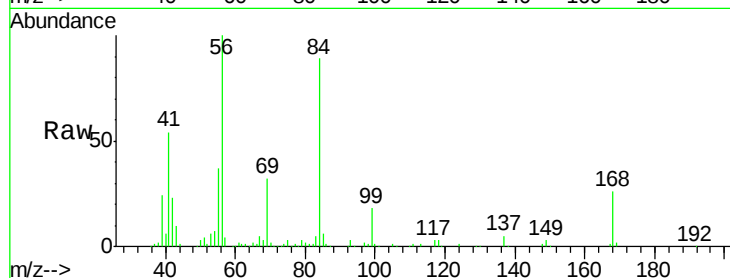
Tot Ion: 56 Resp: 257053

Ion Ratio Lower Upper

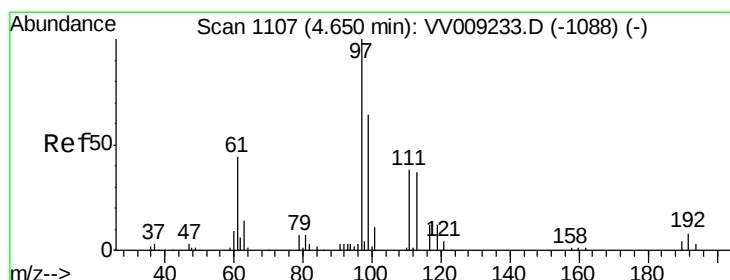
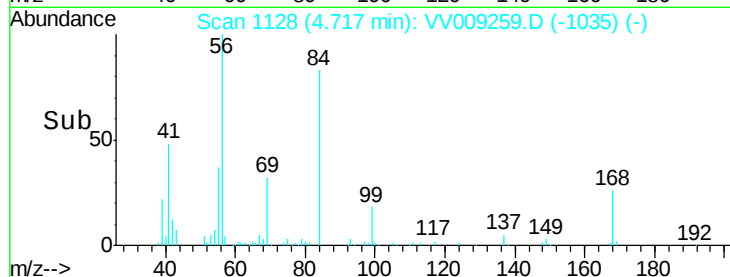
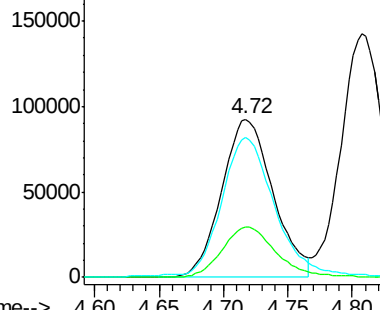
56 100

69 31.9 25.1 37.7

84 87.1 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: 123.617 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

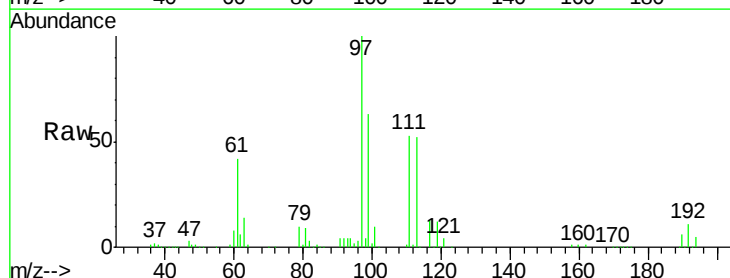
Tgt Ion: 97 Resp: 234025

Ion Ratio Lower Upper

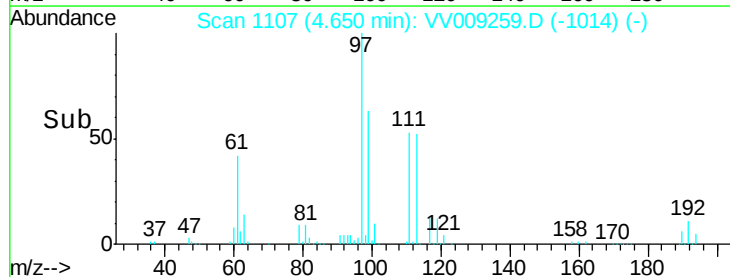
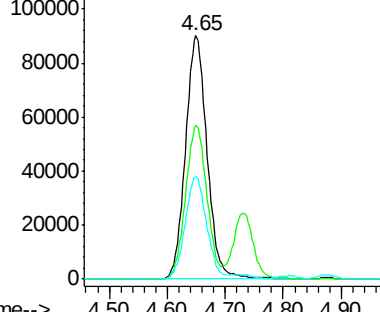
97 100

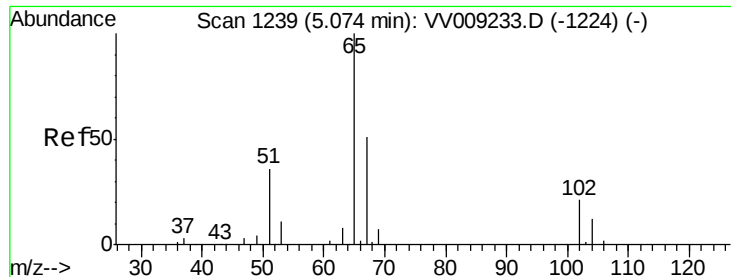
99 62.0 50.2 75.2

61 41.8 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: 143.736 ug/l

RT: 5.07 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

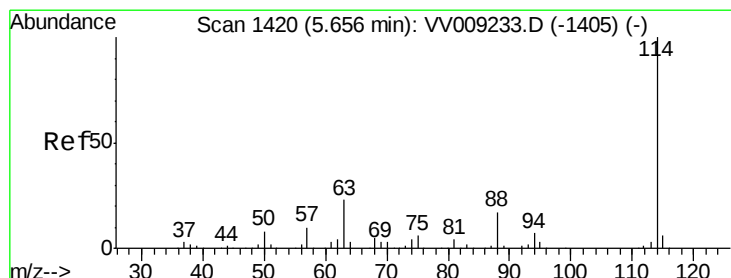
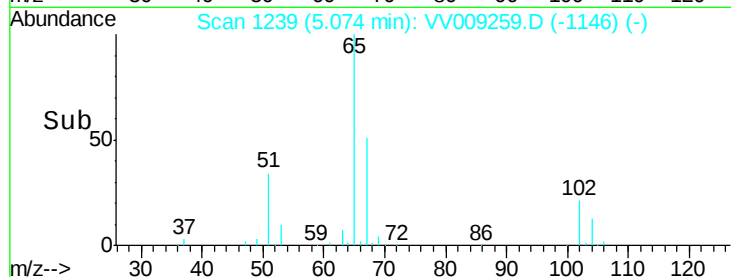
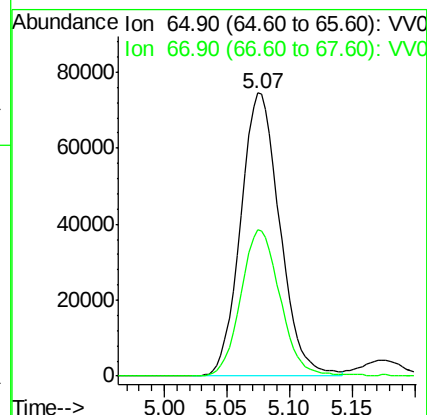
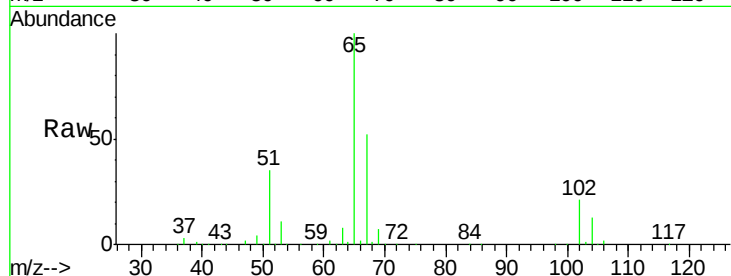
VSTDIC150

Tot Ion: 65 Resp: 162101

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 1421

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

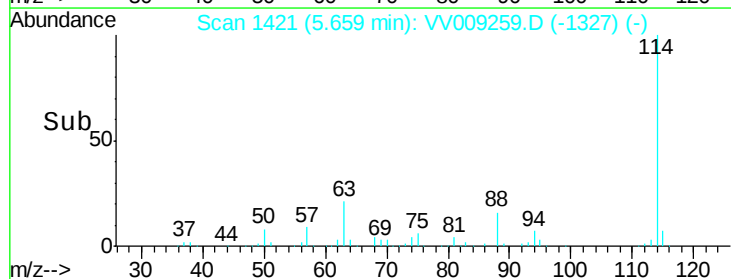
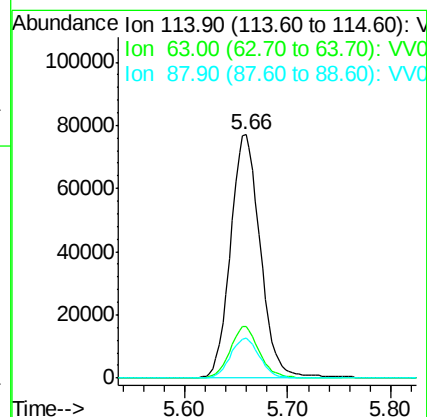
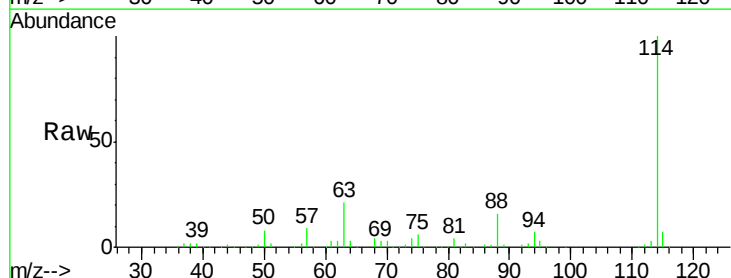
Tgt Ion: 114 Resp: 155308

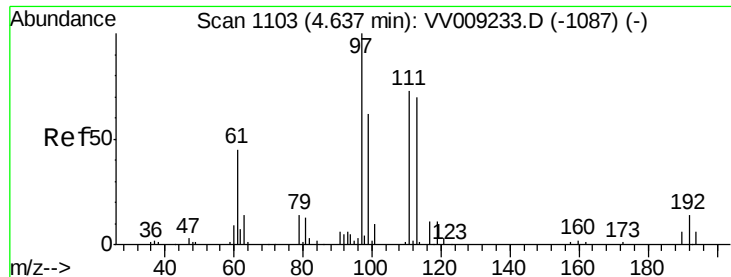
Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.2

88 16.2 0.0 33.4

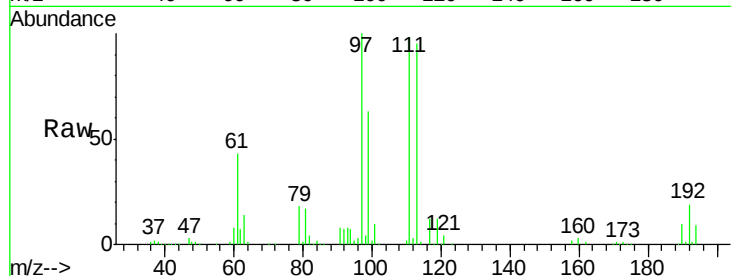




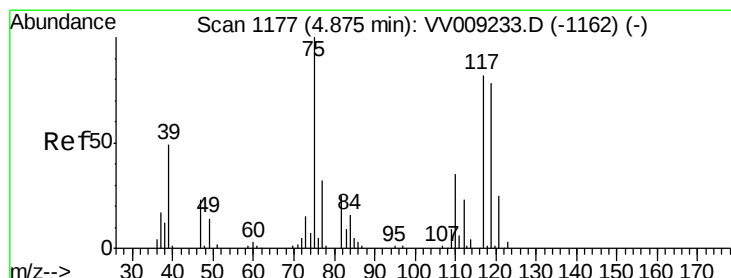
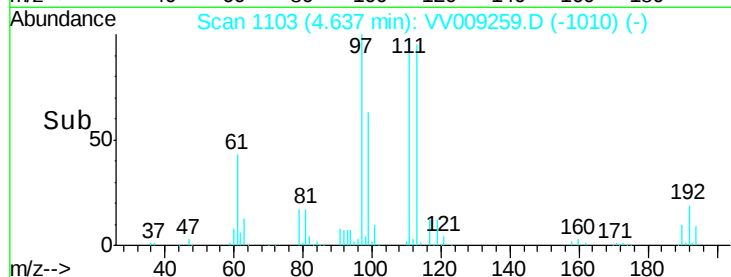
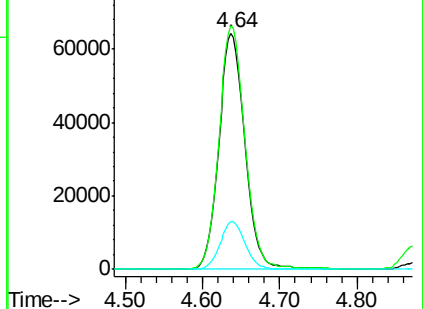
#35
Dibromofluoromethane
Concen: 149.541 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion:113 Resp: 151129
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 19.4 15.0 22.6

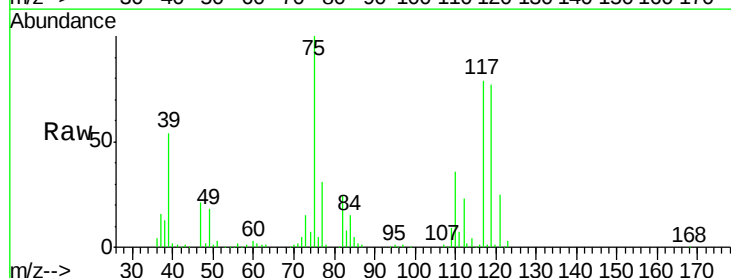


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

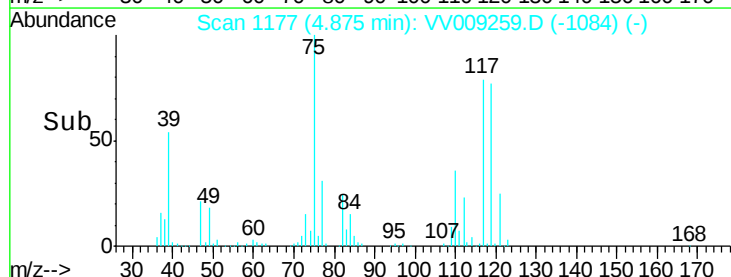
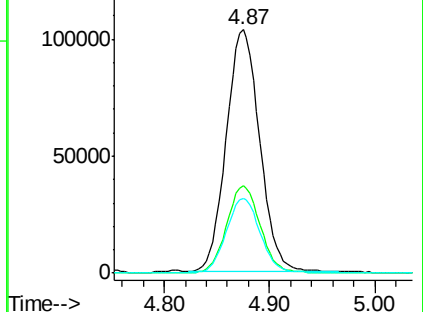


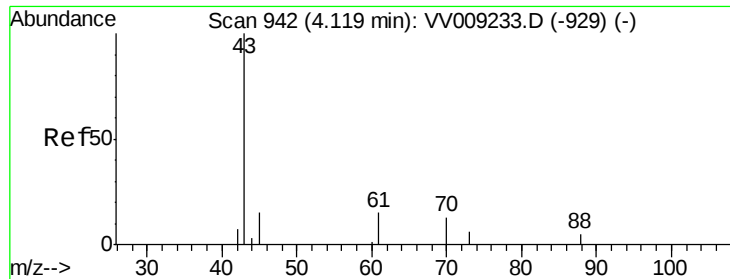
#36
1,1-Dichloropropene
Concen: 131.655 ug/l
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion: 75 Resp: 227018
Ion Ratio Lower Upper
75 100
110 36.6 17.5 52.5
77 31.0 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VV0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VV0

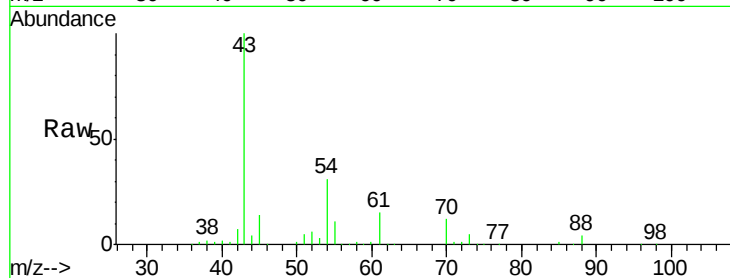




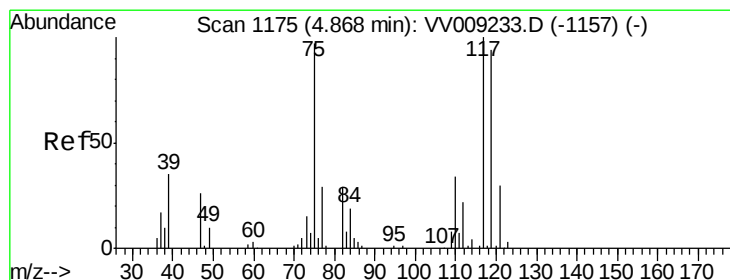
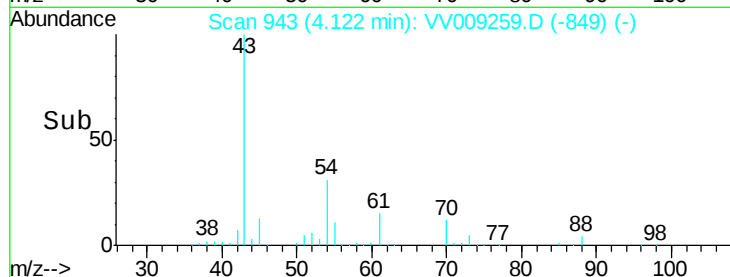
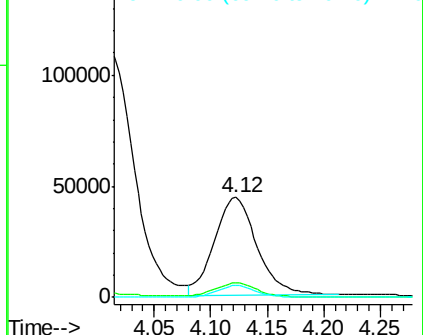
#37
Ethyl Acetate
Concen: 173.041 ug/l
RT: 4.12 min Scan# 943
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Instrument :
MSVOA_V
ClientSampleID :
VSTDIC150

Tot Ion: 43 Resp: 114672
Ion Ratio Lower Upper
43 100
61 14.1 12.0 18.0
70 11.3 8.7 13.1

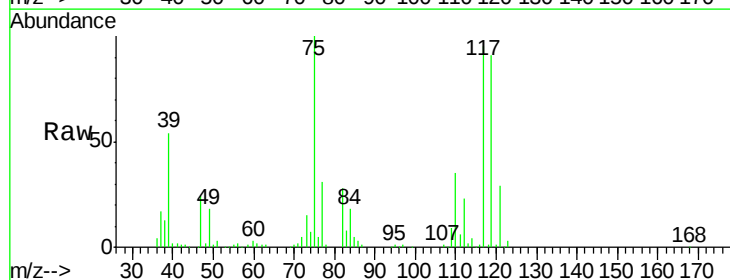


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 60.90 (60.60 to 61.60): VV0
Ion 70.00 (69.70 to 70.70): VV0

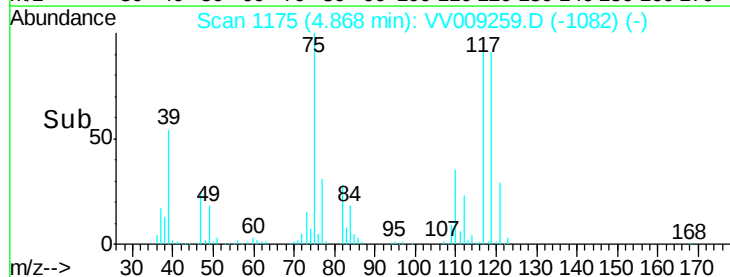
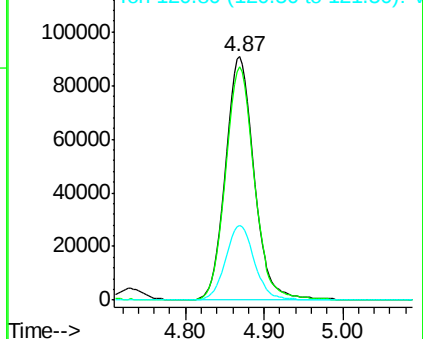


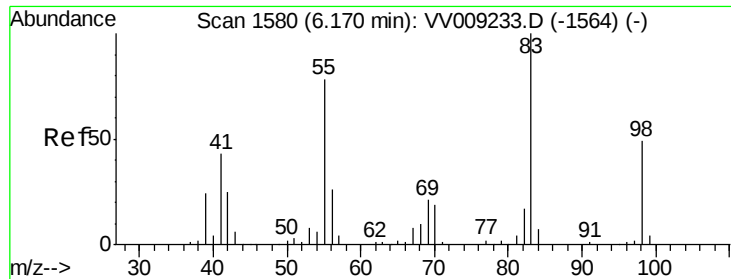
#38
Carbon Tetrachloride
Concen: 132.744 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion: 117 Resp: 229154
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.2
121 30.6 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

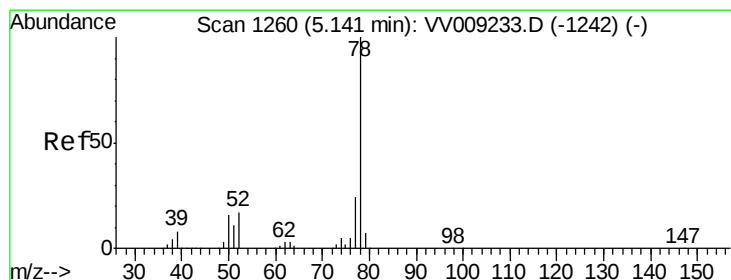
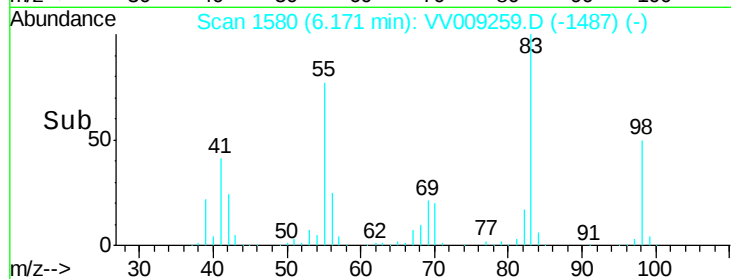
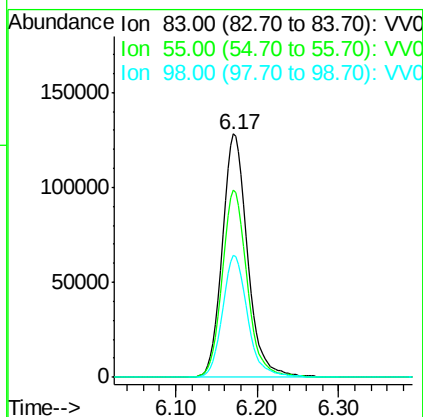
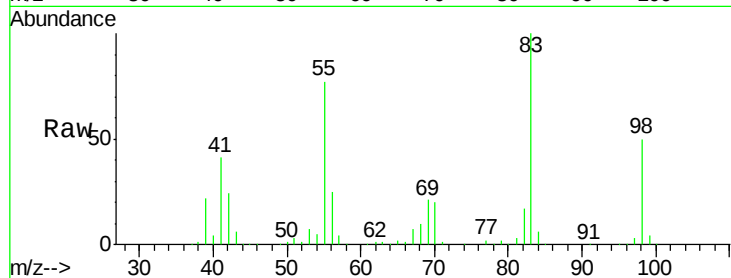




#39
Methvlcvclohexane
Concen: 137.854 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

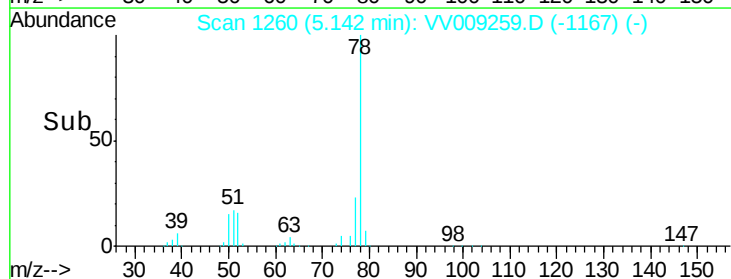
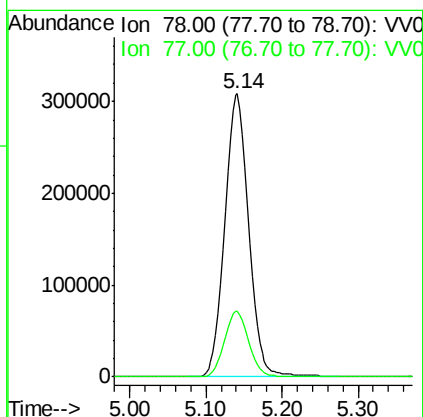
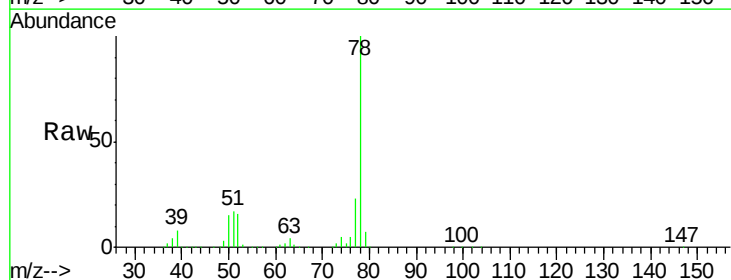
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

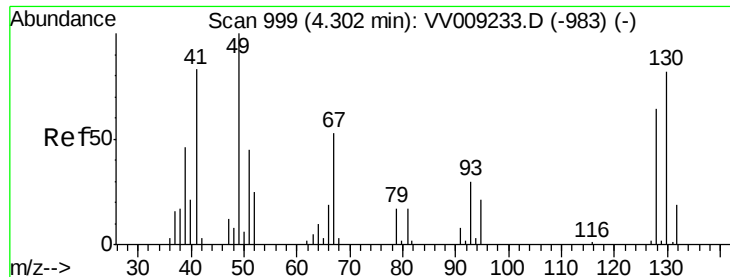
Tot Ion: 83 Resp: 281490
Ion Ratio Lower Upper
83 100
55 77.0 62.8 94.2
98 50.0 39.1 58.7



#40
Benzene
Concen: 140.388 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion: 78 Resp: 677059
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.2

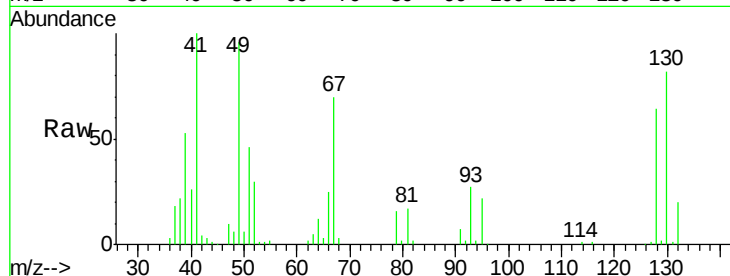




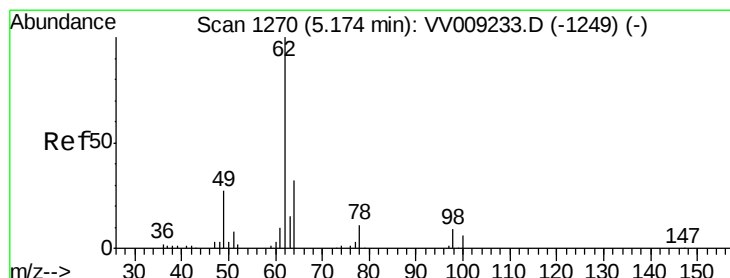
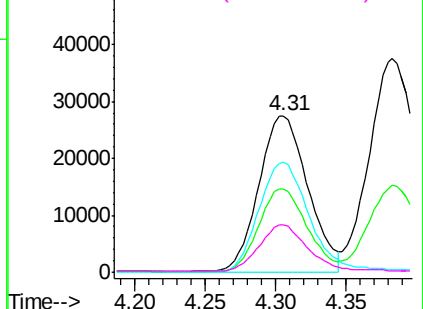
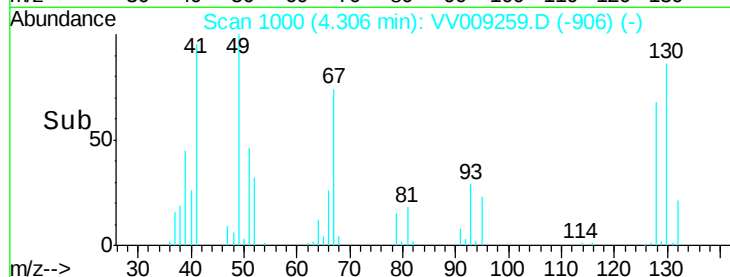
#41
Methacrylonitrile
Concen: 166.980 ug/l
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 66690
Ion Ratio Lower Upper
41 100
39 53.0 45.4 68.0
67 73.2 55.5 83.3
52 29.5 25.2 37.8

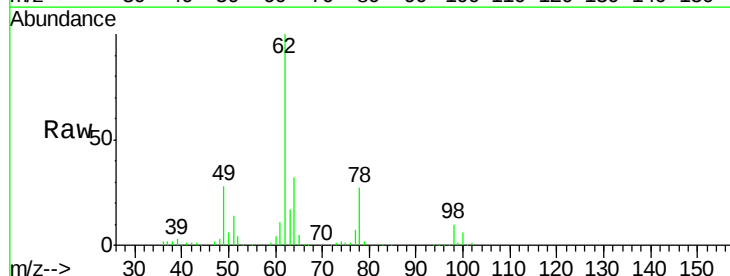


Abundance Ion 41.00 (40.70 to 41.70): VV0
Ion 39.00 (38.70 to 39.70): VV0
Ion 67.00 (66.70 to 67.70): VV0
Ion 52.00 (51.70 to 52.70): VV0

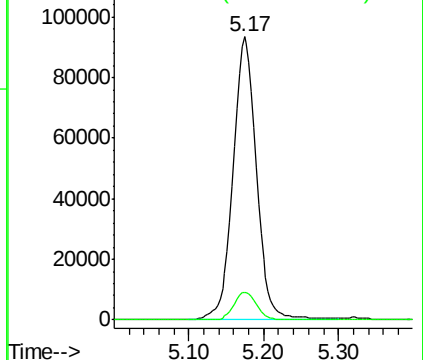
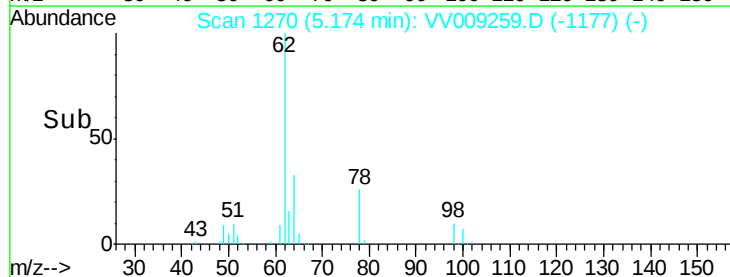


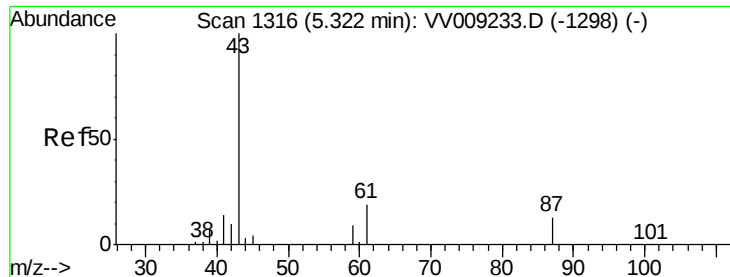
#42
1,2-Dichloroethane
Concen: 135.438 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion: 62 Resp: 204431
Ion Ratio Lower Upper
62 100
98 9.4 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VV0
Ion 97.90 (97.60 to 98.60): VV0





#43

Isopropyl Acetate

Concen: 165.403 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

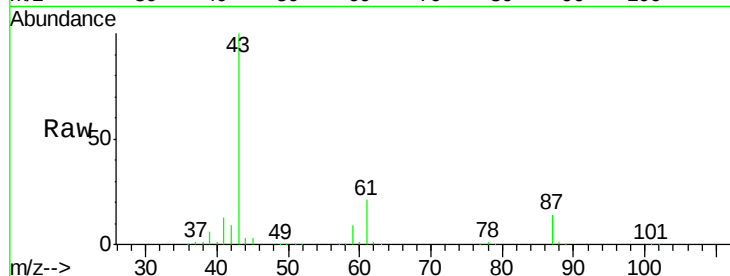
Tot Ion: 43 Resp: 215603

Ion Ratio Lower Upper

43 100

61 21.0 15.4 23.0

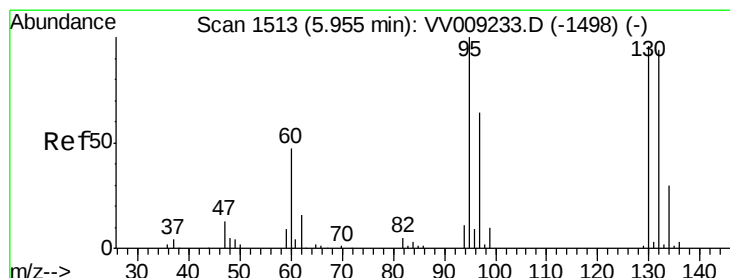
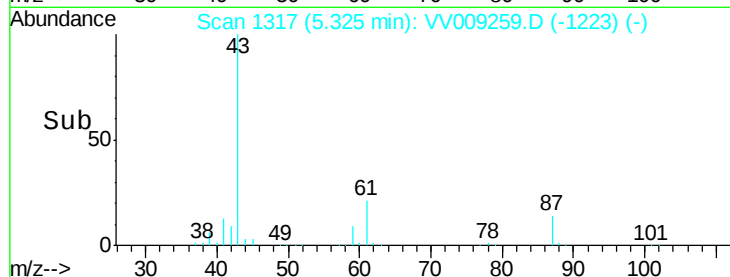
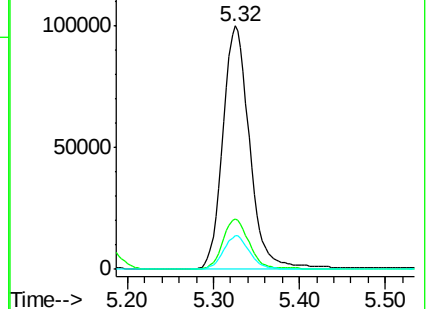
87 13.7 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-1298) (-)

Ion 61.00 (60.70 to 61.70): VV009233.D (-1298) (-)

Ion 87.00 (86.70 to 87.70): VV009233.D (-1298) (-)



#44

Trichloroethene

Concen: 141.231 ug/l

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009259.D

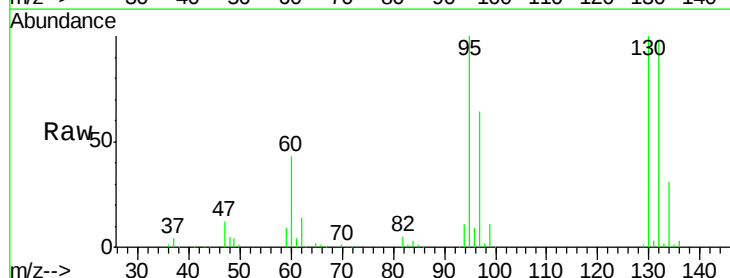
Acq: 24 Jan 2019 14:43

Tgt Ion:130 Resp: 179235

Ion Ratio Lower Upper

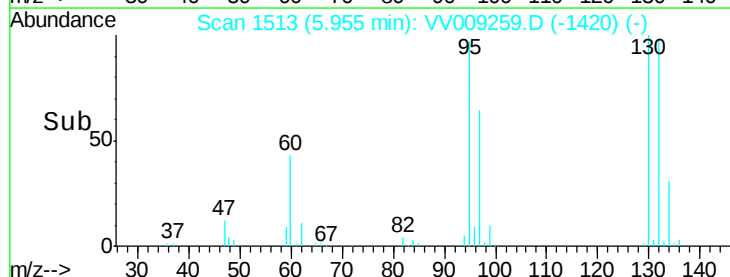
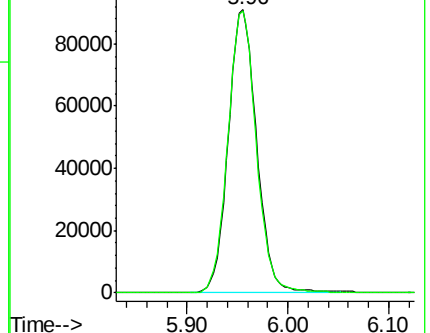
130 100

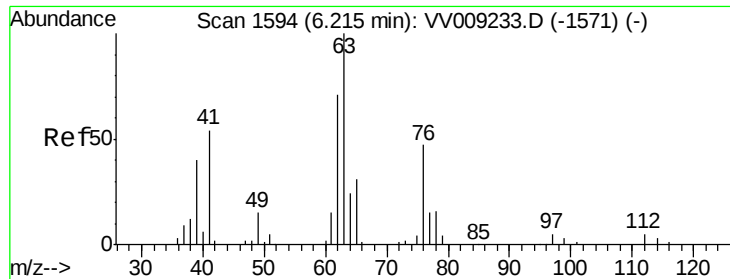
95 99.7 0.0 208.2



Abundance Ion 129.80 (129.50 to 130.50): VV009233.D (-1498) (-)

Ion 94.90 (94.60 to 95.60): VV009233.D (-1498) (-)





#45

1,2-Dichloropropane

Concen: 142.109 ug/l

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

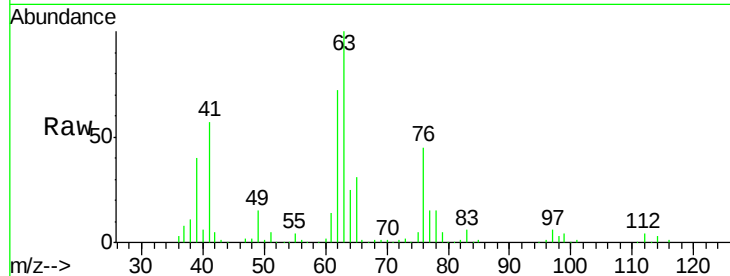
VSTDIC150

Tot Ion: 63 Resp: 164856

Ion Ratio Lower Upper

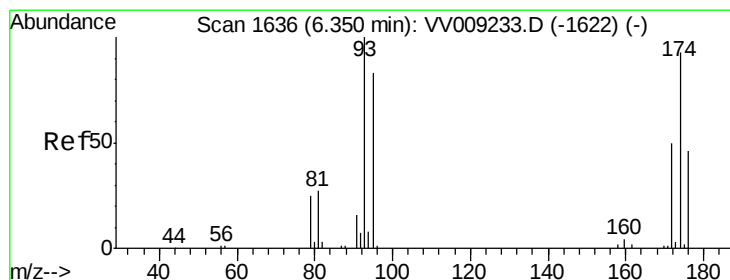
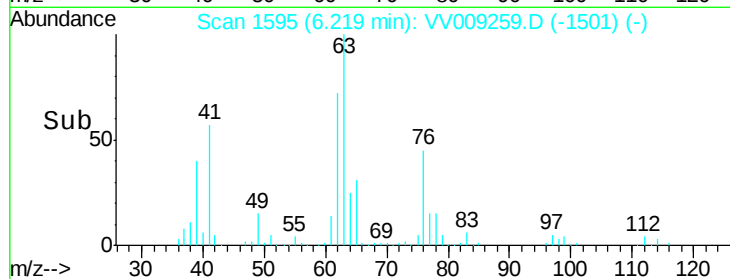
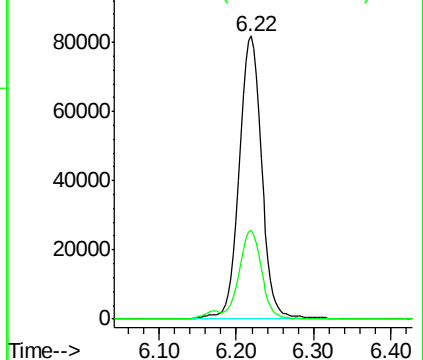
63 100

65 31.3 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 64.90 (64.60 to 65.60): VV0



#46

Dibromomethane

Concen: 155.370 ug/l

RT: 6.35 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

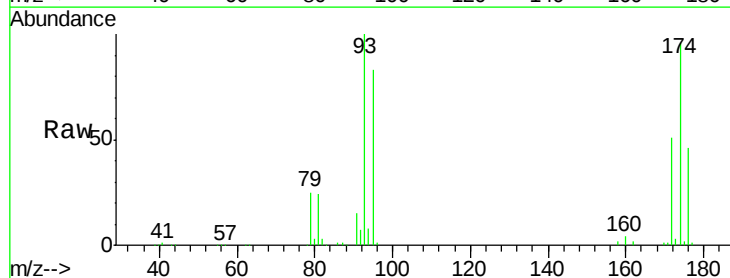
Tgt Ion: 93 Resp: 92485

Ion Ratio Lower Upper

93 100

95 83.8 64.6 97.0

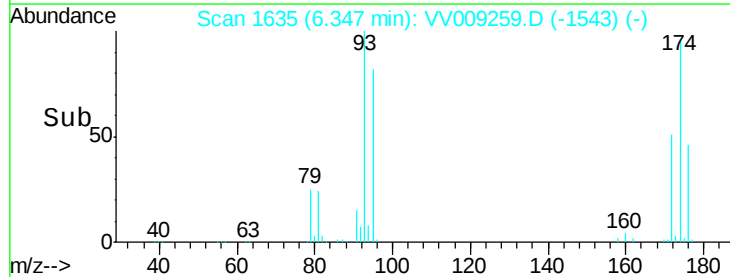
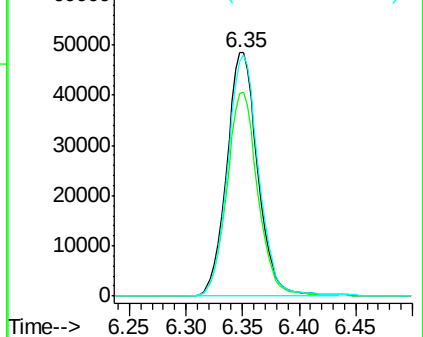
174 98.8 74.0 111.0

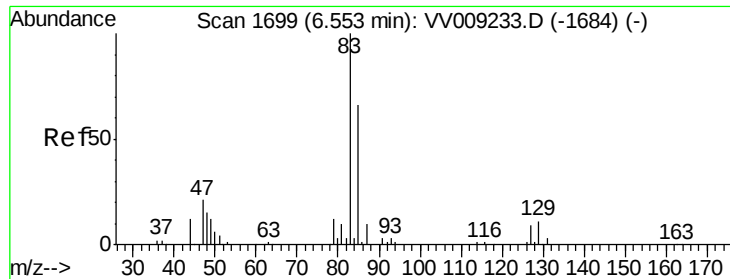


Abundance Ion 92.80 (92.50 to 93.50): VV0

Ion 94.80 (94.50 to 95.50): VV0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 143.678 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

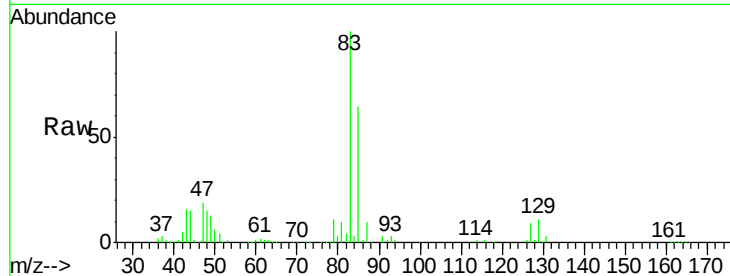
Tot Ion: 83 Resp: 225999

Ion Ratio Lower Upper

83 100

85 64.2 52.6 78.8

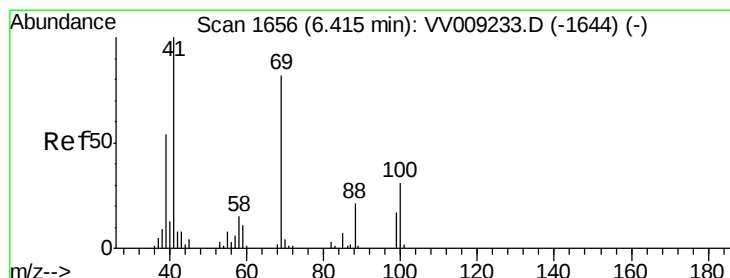
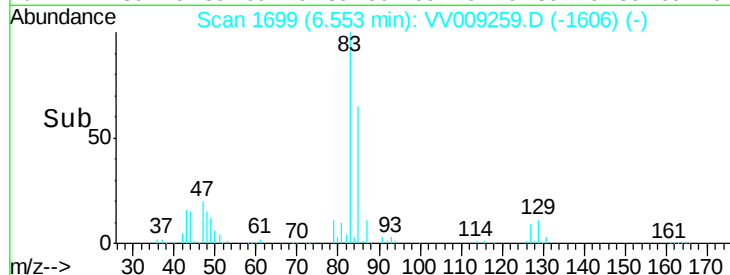
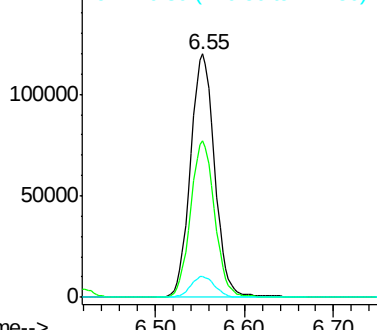
127 8.6 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VV0

Ion 84.90 (84.60 to 85.60): VV0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 167.598 ug/l

RT: 6.42 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

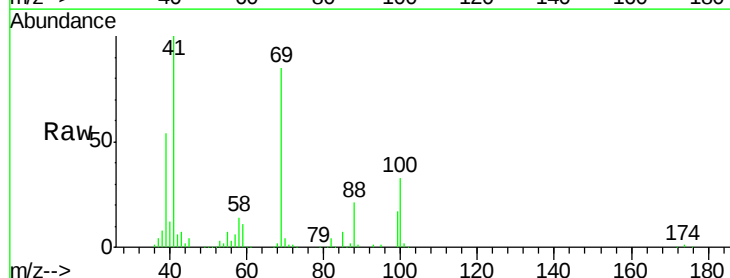
Tgt Ion: 41 Resp: 111479

Ion Ratio Lower Upper

41 100

69 86.3 65.8 98.6

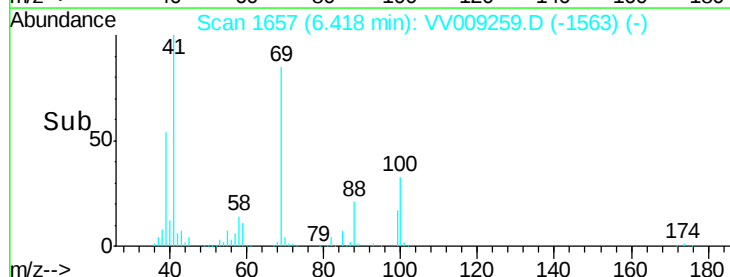
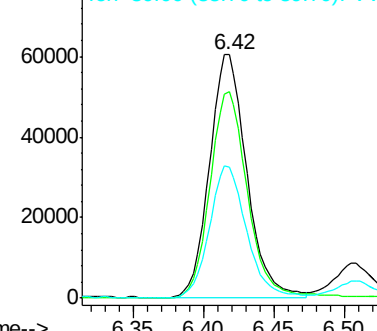
39 54.6 43.4 65.0

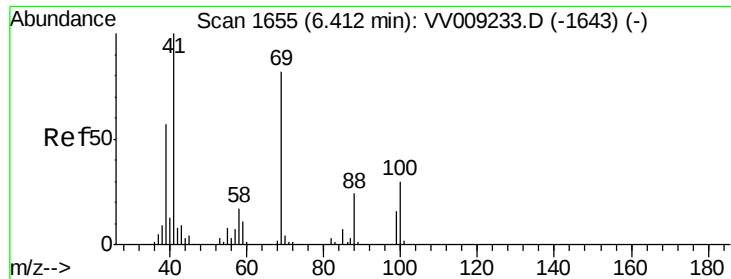


Abundance Ion 41.00 (40.70 to 41.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 39.00 (38.70 to 39.70): VV0

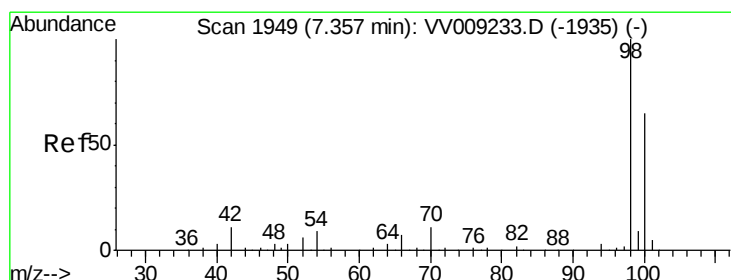
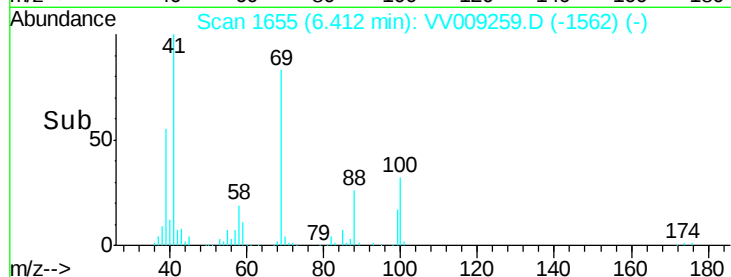
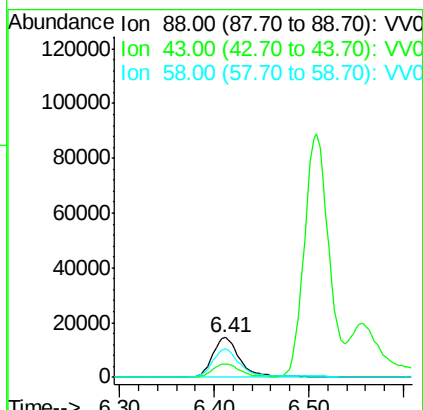
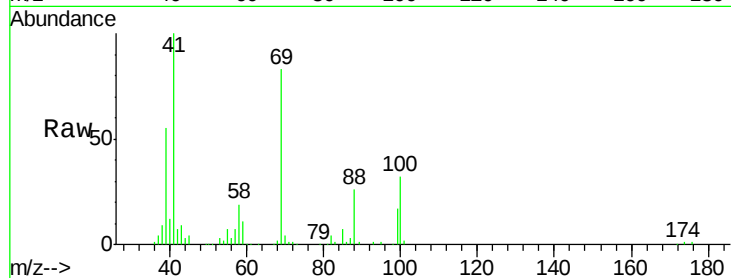




#49
1,4-Dioxane
Concen: 3980.602 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

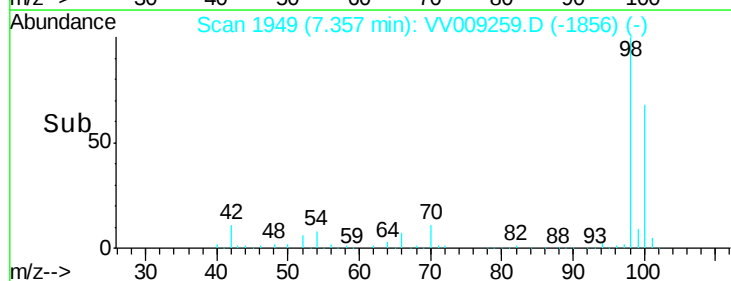
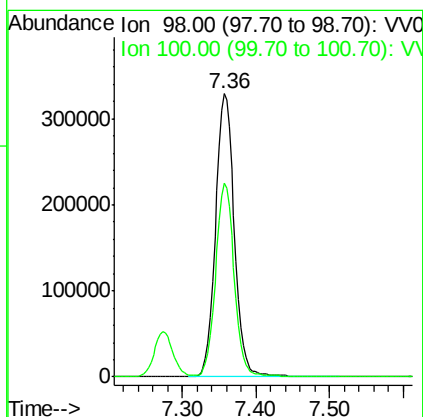
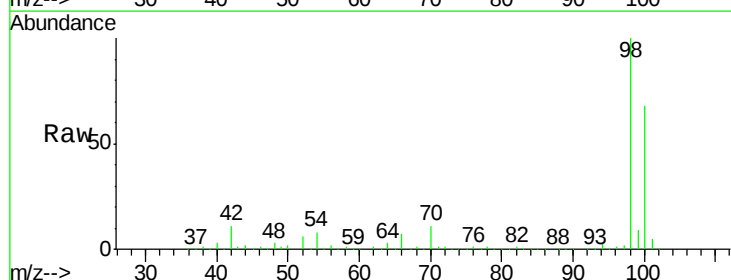
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

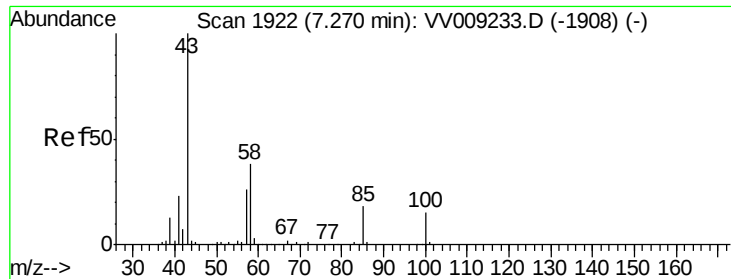
Tot Ion: 88 Resp: 30183
Ion Ratio Lower Upper
88 100
43 31.9 31.9 47.9#
58 69.8 62.0 93.0



#50
Toluene-d8
Concen: 147.977 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion: 98 Resp: 582044
Ion Ratio Lower Upper
98 100
100 67.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 856.598 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

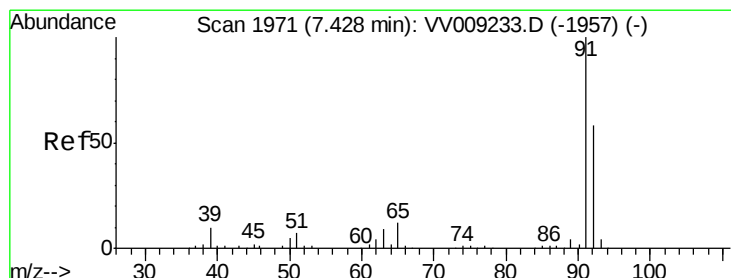
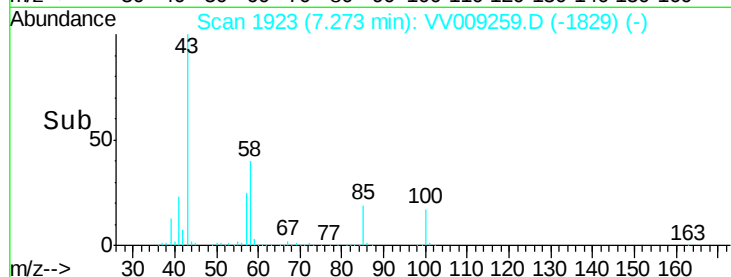
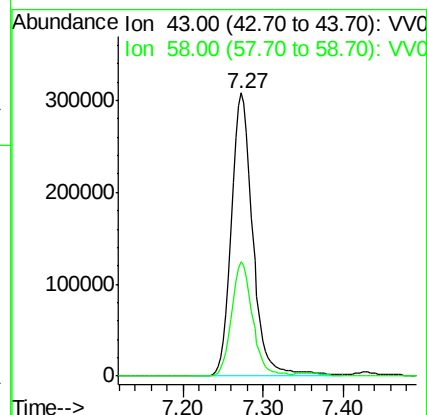
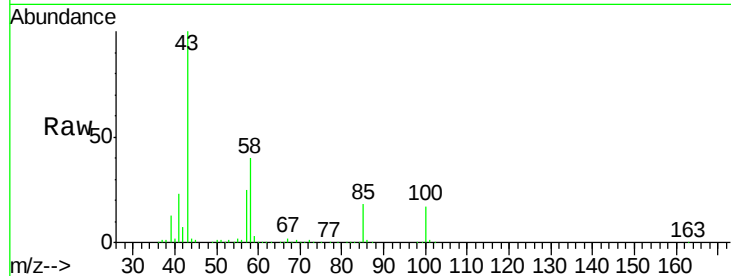
VSTDIC150

Tot Ion: 43 Resp: 566665

Ion Ratio Lower Upper

43 100

58 39.3 30.4 45.6



#52

Toluene

Concen: 141.539 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009259.D

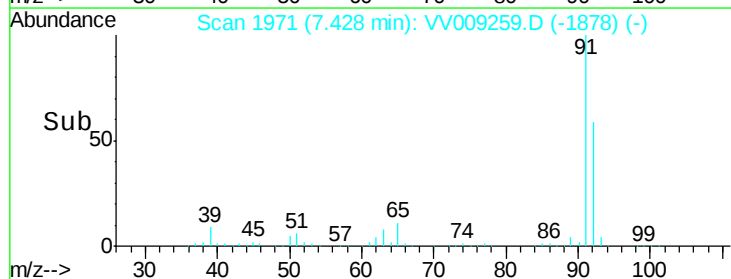
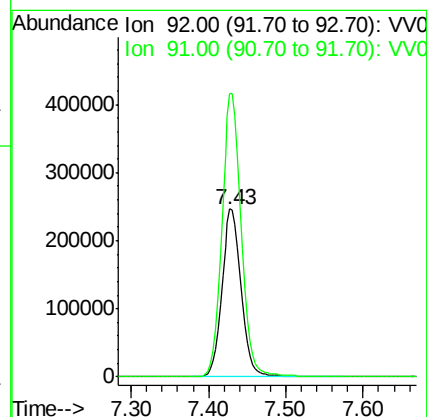
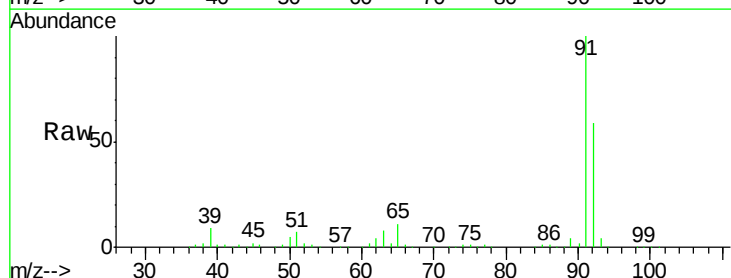
Acq: 24 Jan 2019 14:43

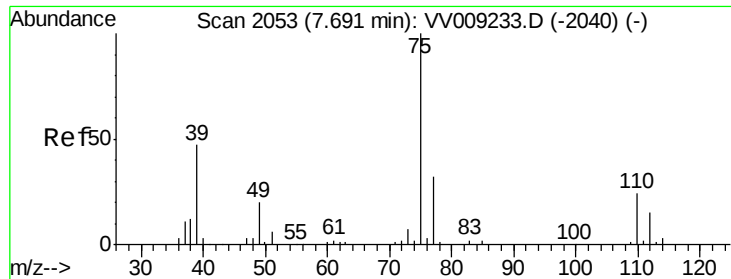
Tgt Ion: 92 Resp: 431802

Ion Ratio Lower Upper

92 100

91 169.4 137.2 205.8





#53

t-1,3-Dichloropropene

Concen: 154.268 ug/l

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

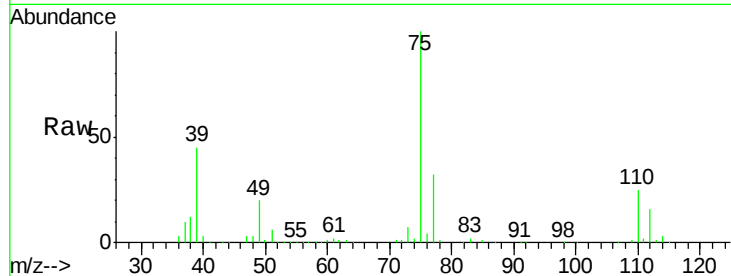
VSTDIC150

Tot Ion: 75 Resp: 236176

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0

7.69

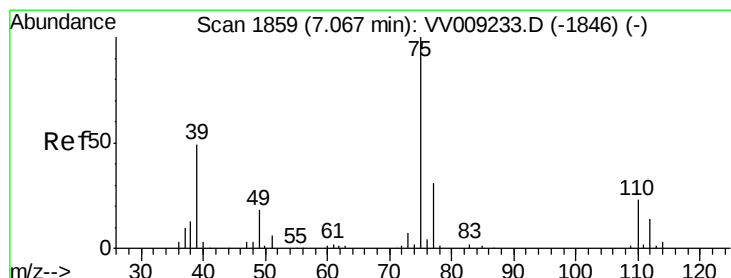
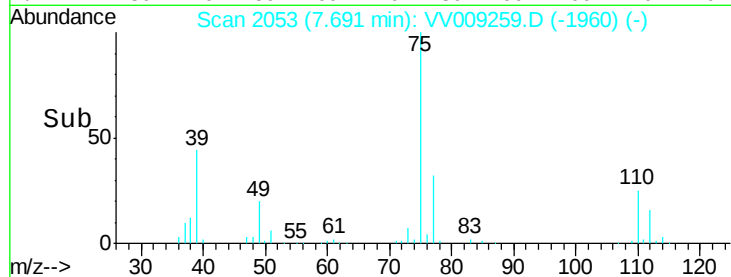
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 152.621 ug/l

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

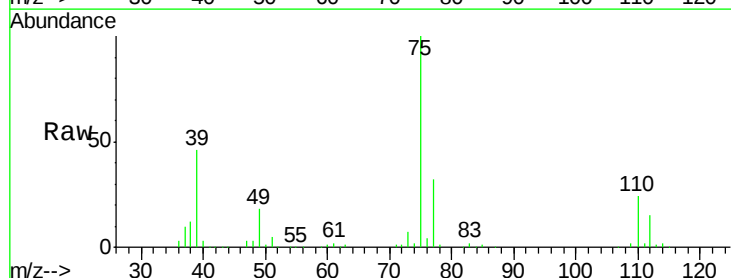
Tgt Ion: 75 Resp: 269049

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 45.9 38.8 58.2



Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0

Ion 39.00 (38.70 to 39.70): VV0

7.07

200000

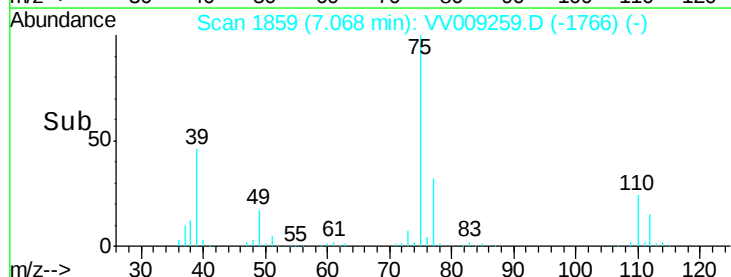
150000

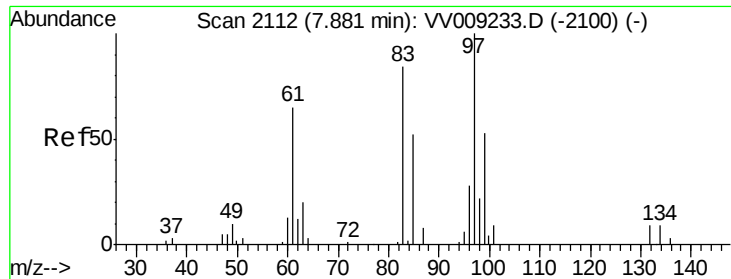
100000

50000

0

Time-->

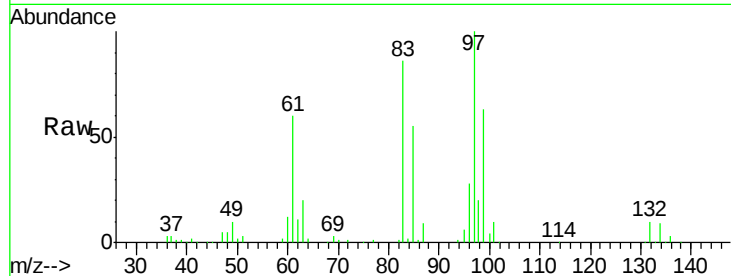




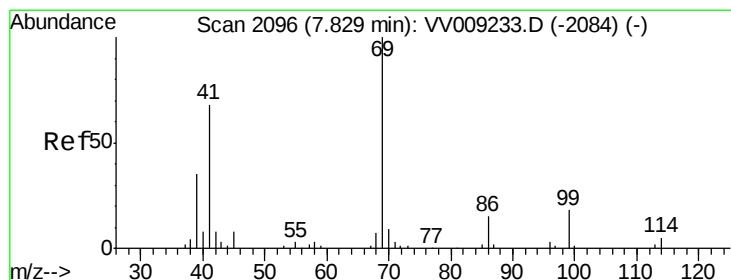
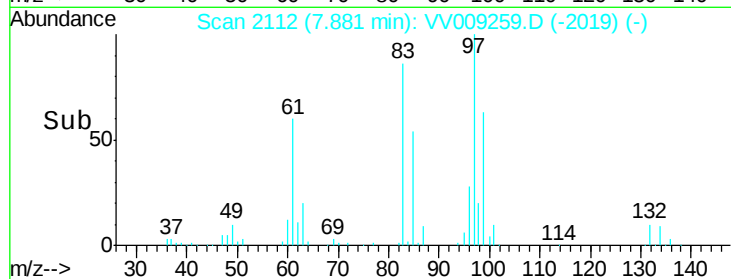
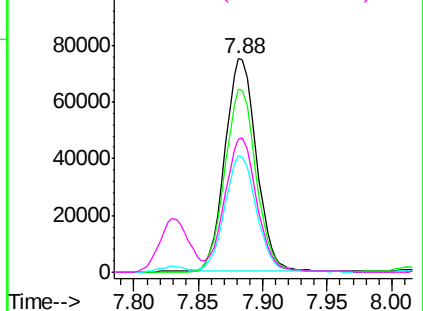
#55
 1,1,2-Trichloroethane
 Concen: 151.220 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	126827
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.4	101.0
85	54.5	42.6	64.0
99	62.5	51.1	76.7

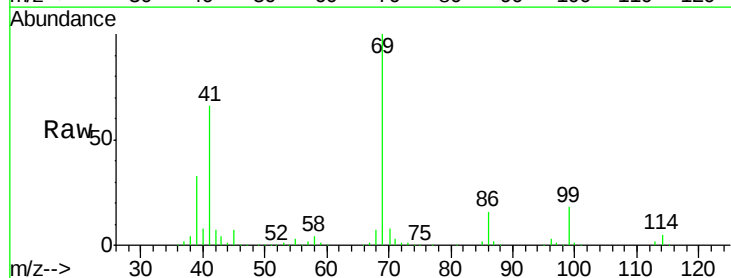


Abundance Ion 96.90 (96.60 to 97.60): VV0
 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

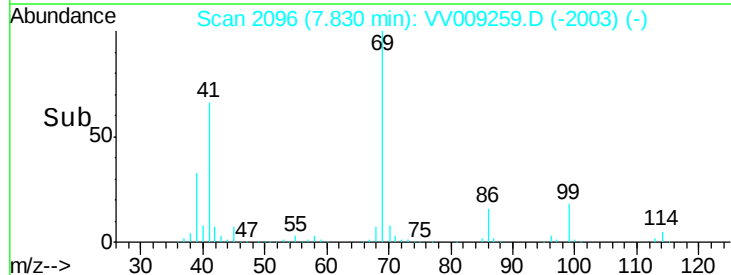
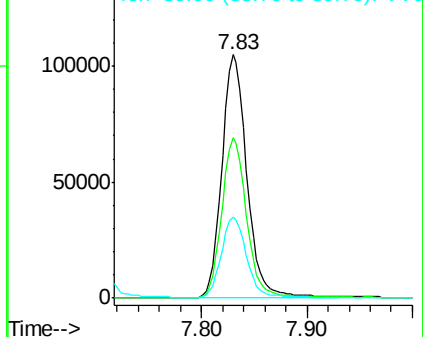


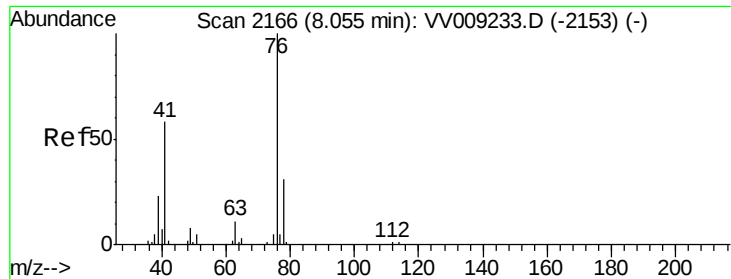
#56
 Ethyl methacrylate
 Concen: 176.962 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Tgt Ion:	69	Resp:	172915
Ion	Ratio	Lower	Upper
69	100		
41	65.7	54.0	81.0
39	33.3	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: 150.918 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

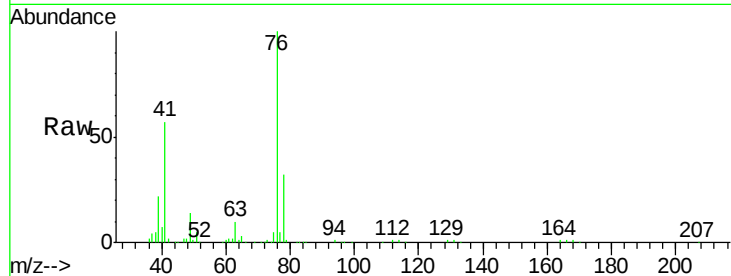
VSTDIC150

Tot Ion: 76 Resp: 229169

Ion Ratio Lower Upper

76 100

78 32.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0

8.05

150000

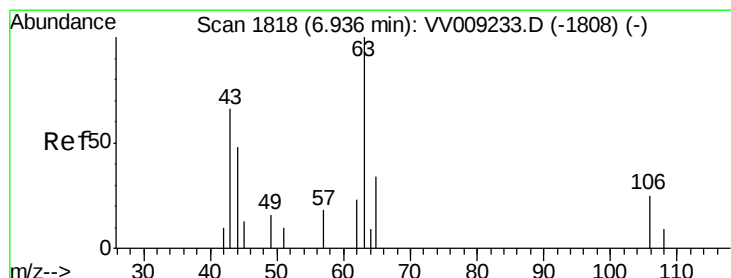
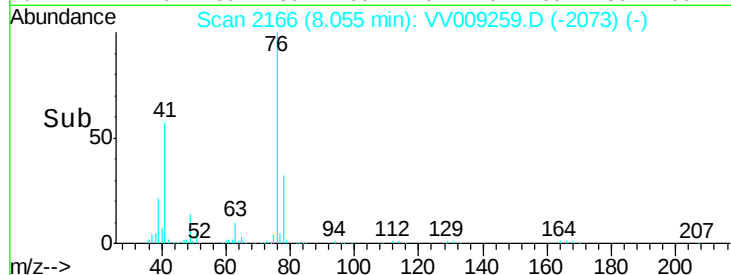
100000

50000

0

8.00 8.10 8.20

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2089.211 ug/l

RT: 6.93 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VV009259.D

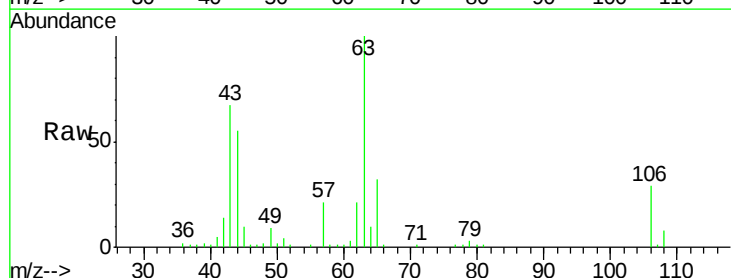
Acq: 24 Jan 2019 14:43

Tgt Ion: 63 Resp: 31902

Ion Ratio Lower Upper

63 100

106 29.0 19.0 28.6#



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 105.90 (105.60 to 106.60): V

6.93

20000

15000

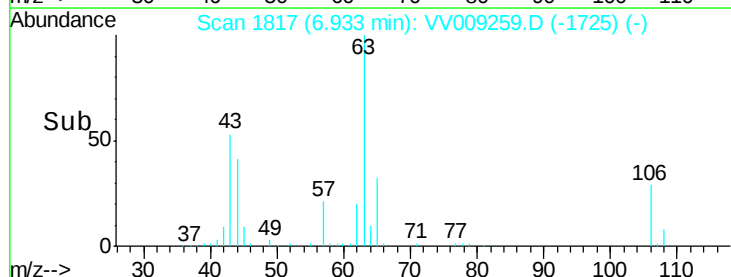
10000

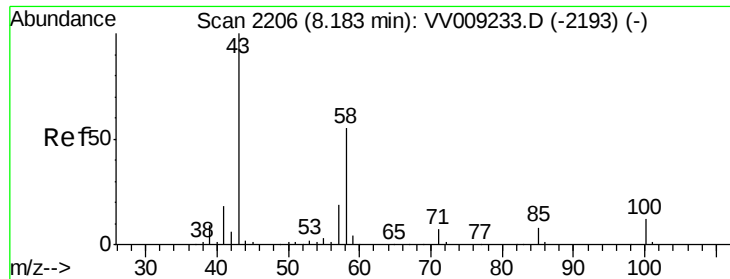
5000

0

6.85 6.90 6.95 7.00

Time-->

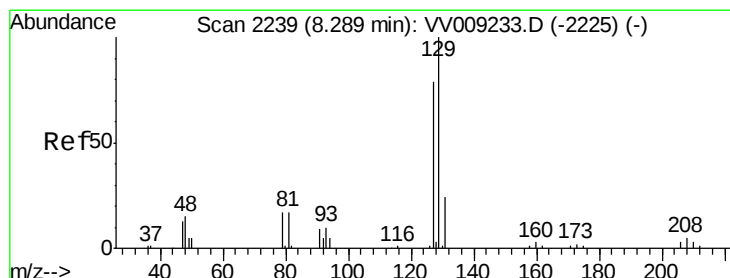
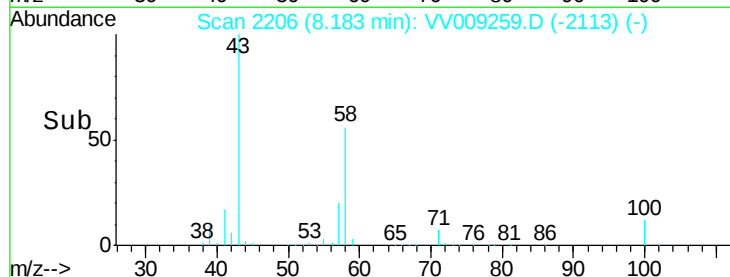
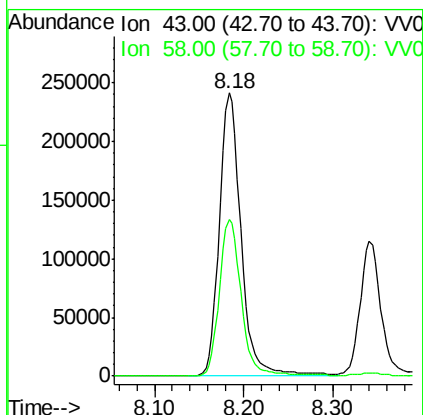
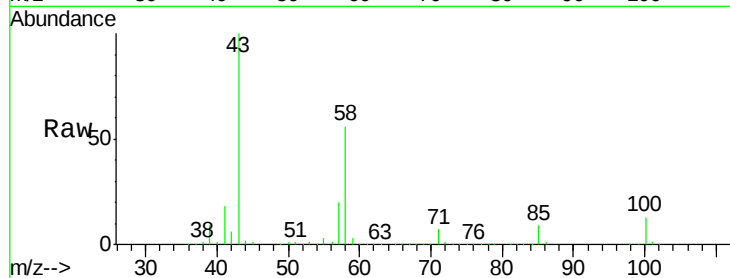




#59
2-Hexanone
Concen: 856.812 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

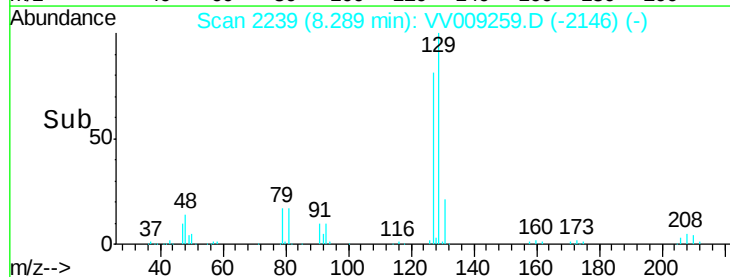
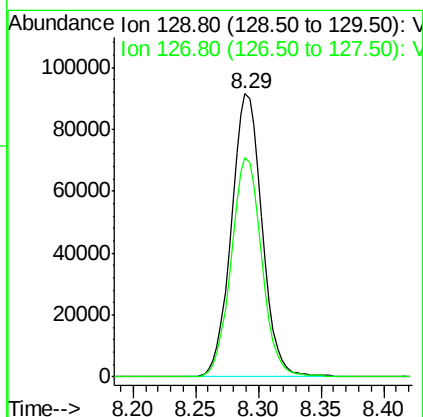
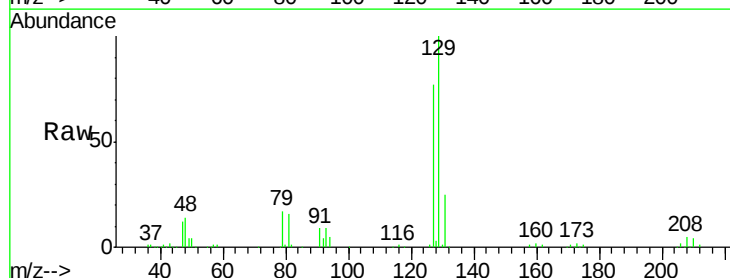
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

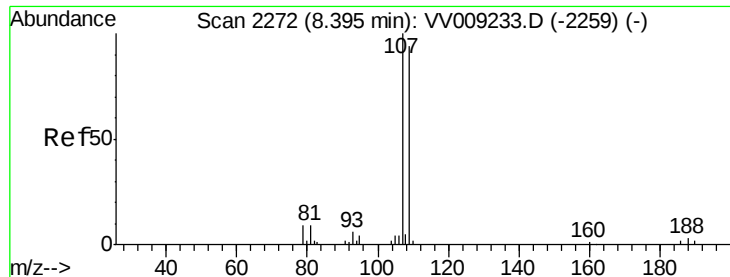
Tot Ion: 43 Resp: 409961
Ion Ratio Lower Upper
43 100
58 56.2 27.5 82.5



#60
Dibromochloromethane
Concen: 158.488 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion: 129 Resp: 155634
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.4





#61

1,2-Dibromoethane

Concen: 161.021 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

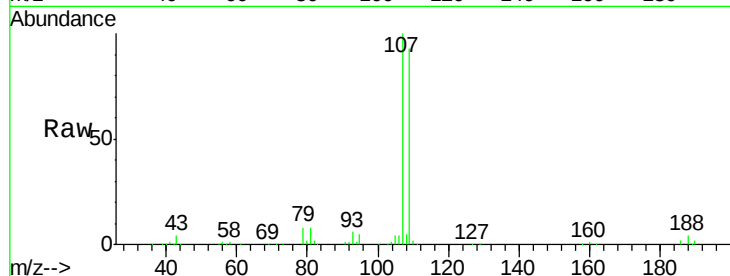
VSTDIC150

Tot Ion: 107 Resp: 132065

Ion Ratio Lower Upper

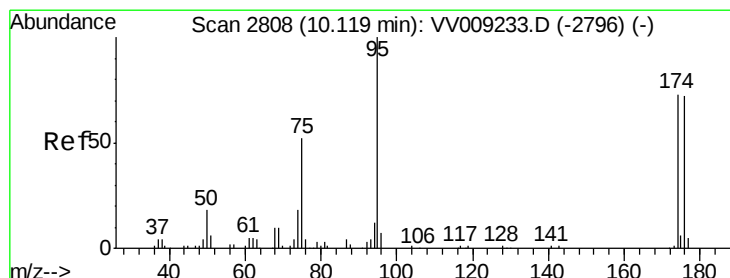
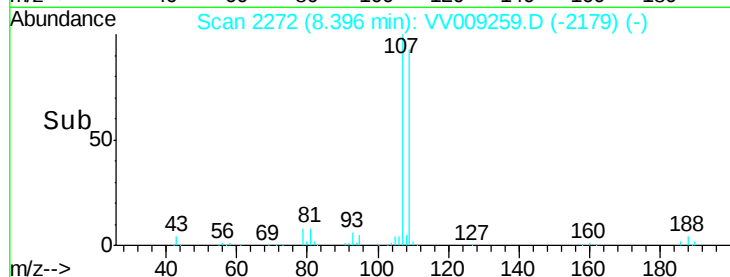
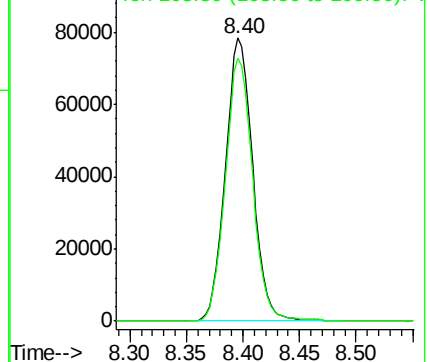
107 100

109 93.2 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: 149.759 ug/l

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

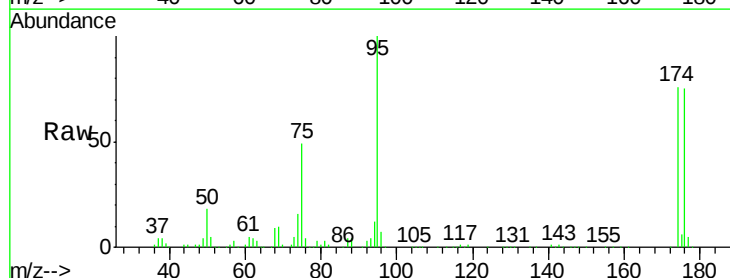
Tgt Ion: 95 Resp: 221963

Ion Ratio Lower Upper

95 100

174 75.7 0.0 148.2

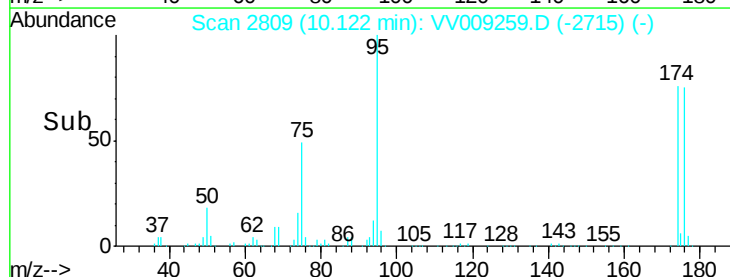
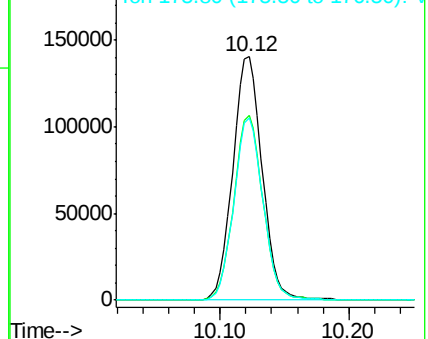
176 74.2 0.0 143.0

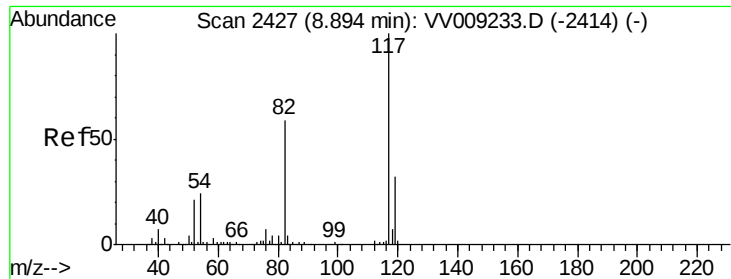


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

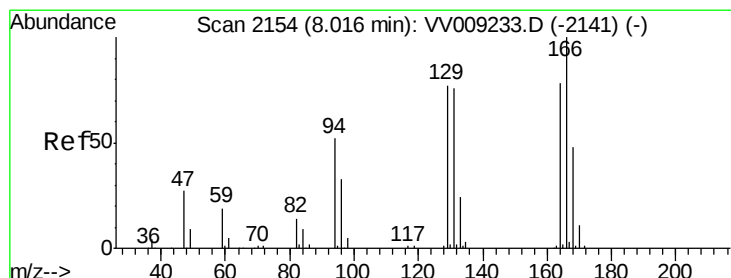
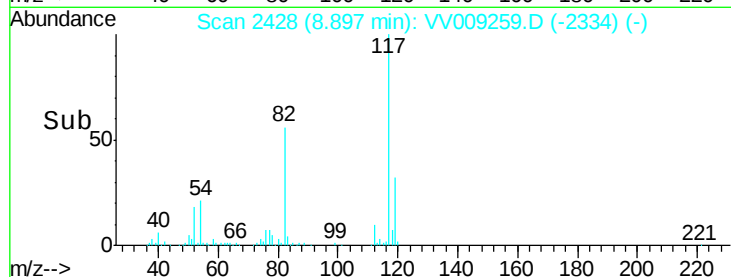
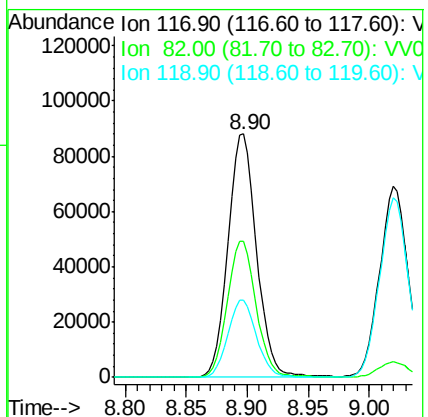
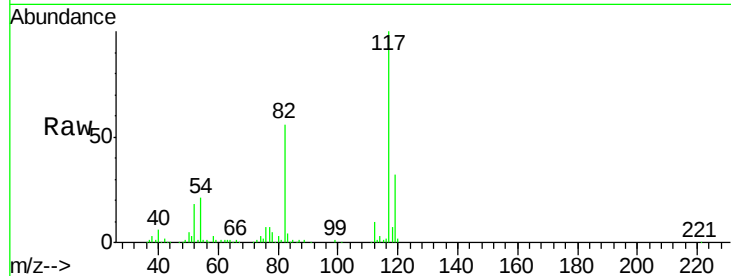




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.90 min Scan# 2428
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

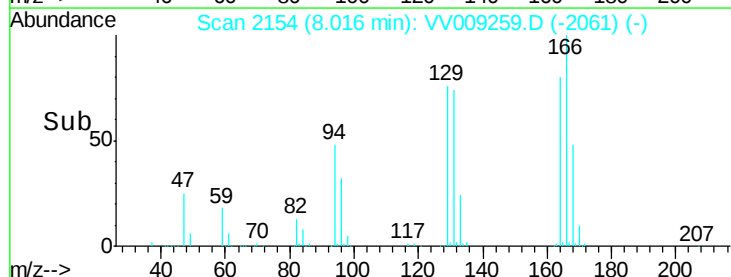
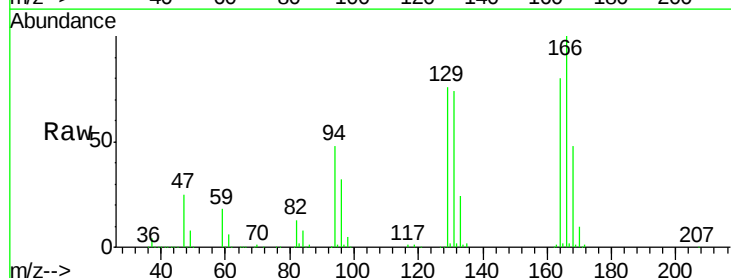
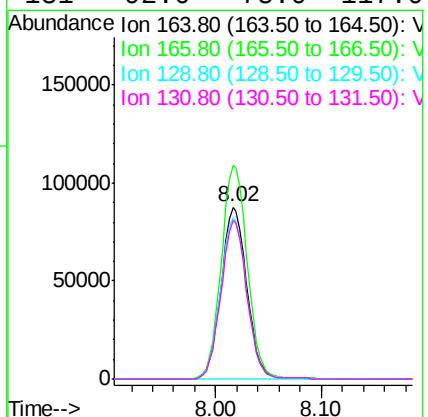
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

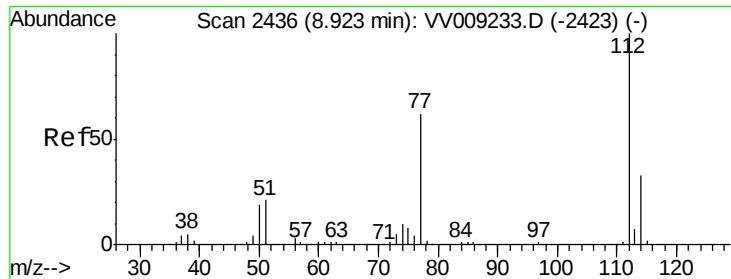
Tot Ion:117 Resp: 144685
Ion Ratio Lower Upper
117 100
82 55.8 47.0 70.6
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 144.163 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion:164 Resp: 148430
Ion Ratio Lower Upper
164 100
166 124.2 102.1 153.1
129 94.0 78.1 117.1
131 92.0 78.0 117.0





#65

Chlorobenzene

Concen: 141.334 ug/l

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

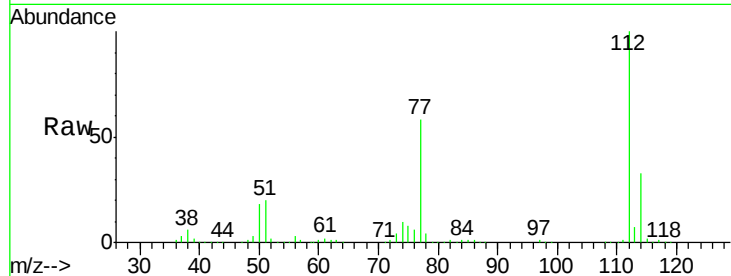
VSTDIC150

Tot Ion:112 Resp: 475736

Ion Ratio Lower Upper

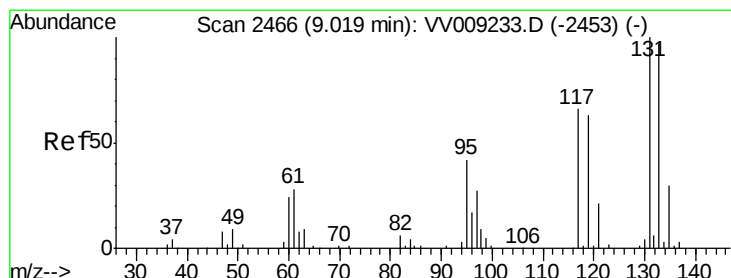
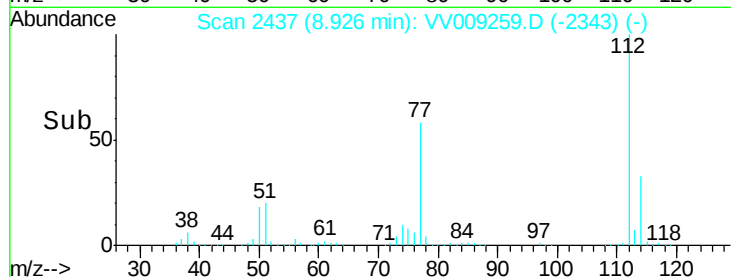
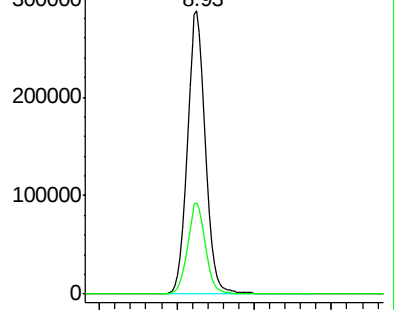
112 100

114 32.5 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 143.859 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

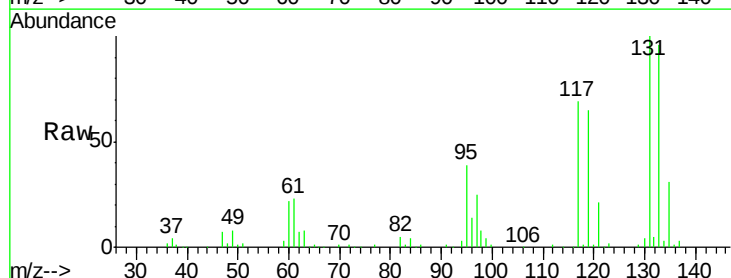
Tgt Ion:131 Resp: 165495

Ion Ratio Lower Upper

131 100

133 95.9 48.3 144.9

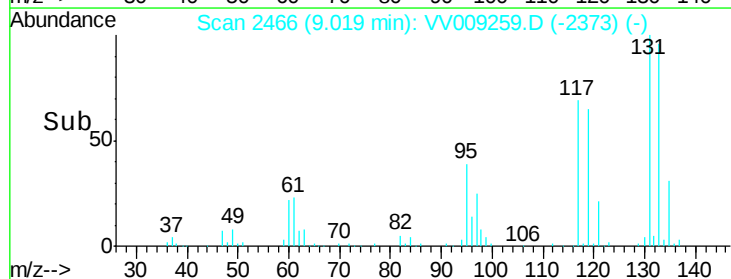
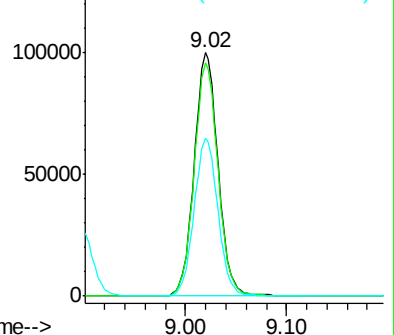
119 64.6 31.2 93.6

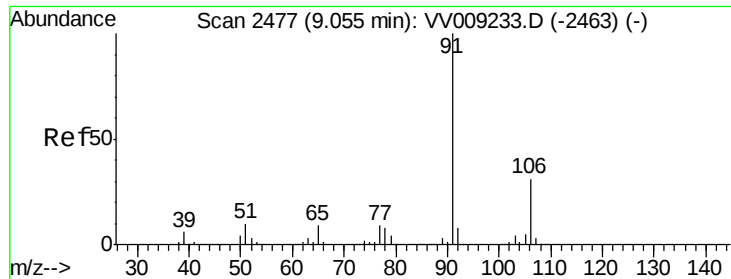


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 139.645 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

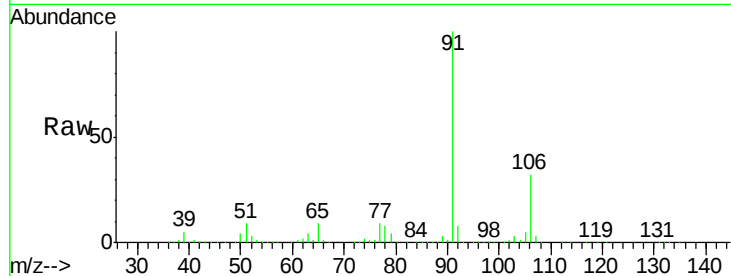
VSTDIC150

Tot Ion: 91 Resp: 837401

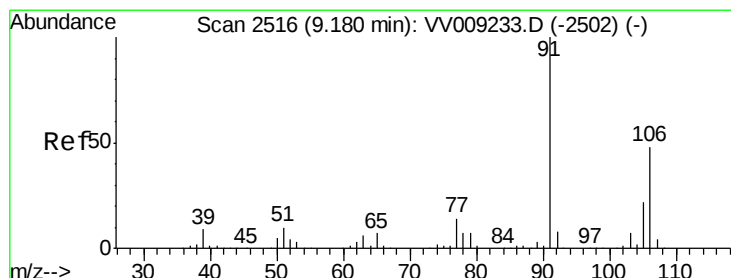
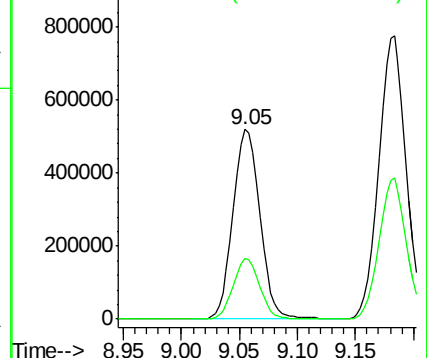
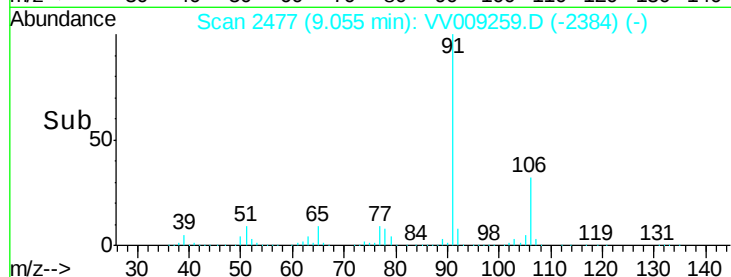
Ion Ratio Lower Upper

91 100

106 31.7 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VV009259.D (-2384) (-)



#68

m/p-Xylenes

Concen: 280.863 ug/l

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009259.D

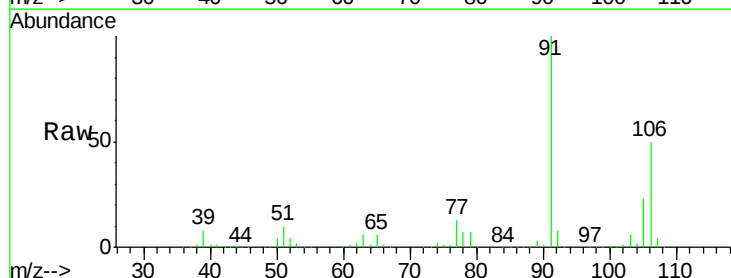
Acq: 24 Jan 2019 14:43

Tgt Ion: 106 Resp: 639400

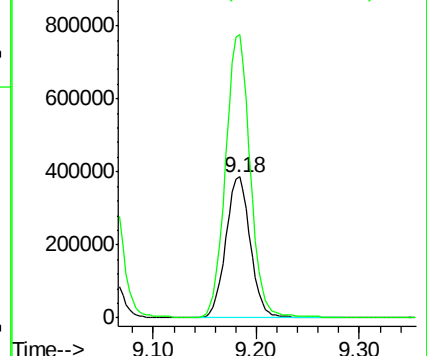
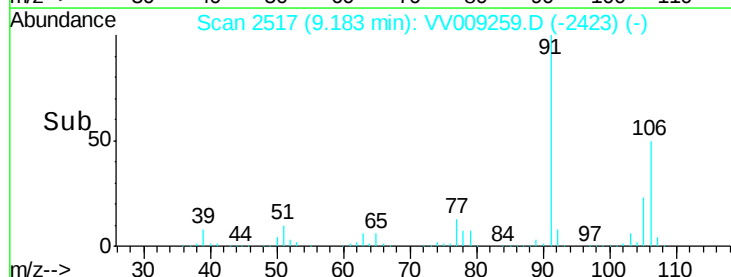
Ion Ratio Lower Upper

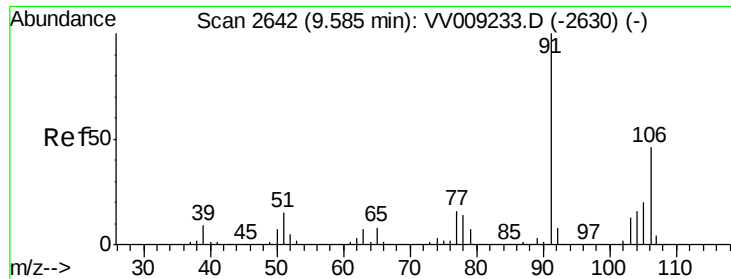
106 100

91 203.5 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): VV009259.D (-2423) (-)

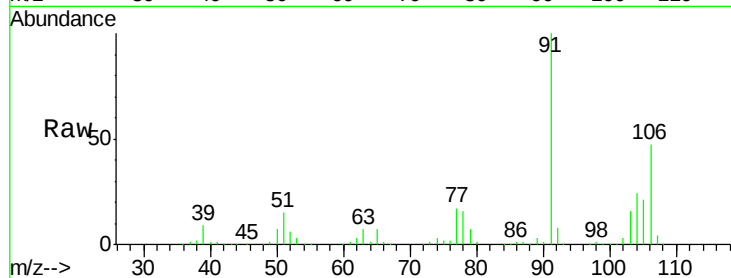




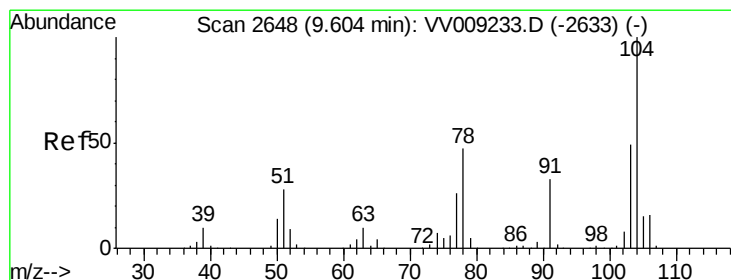
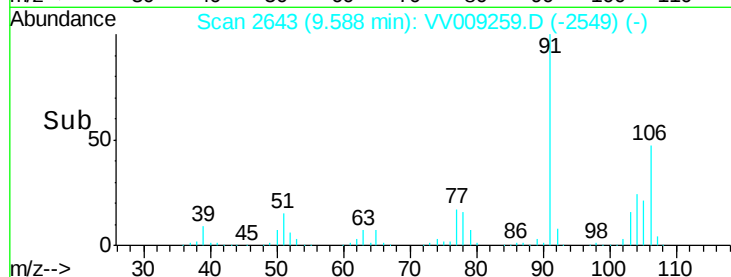
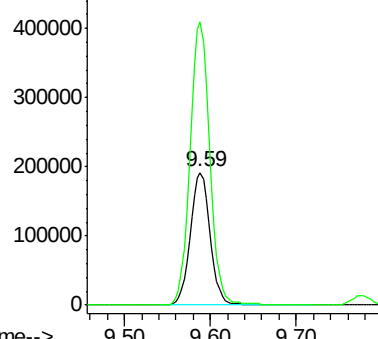
#69
o-Xylene
Concen: 145.780 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 307688
Ion Ratio Lower Upper
106 100
91 213.3 109.3 327.8

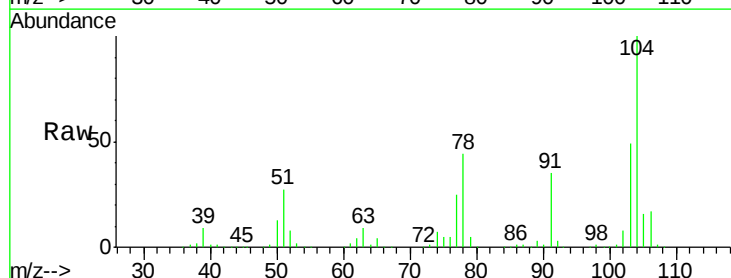


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

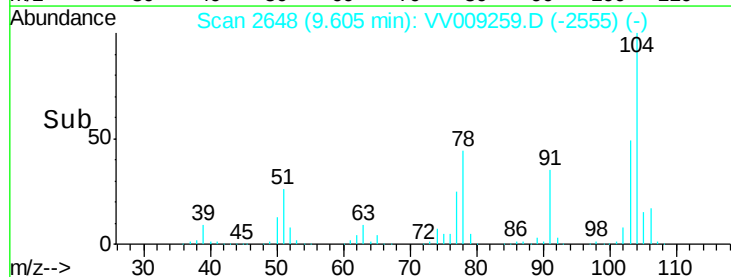
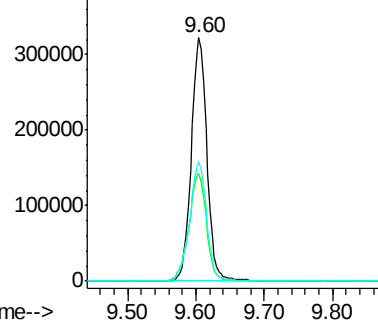


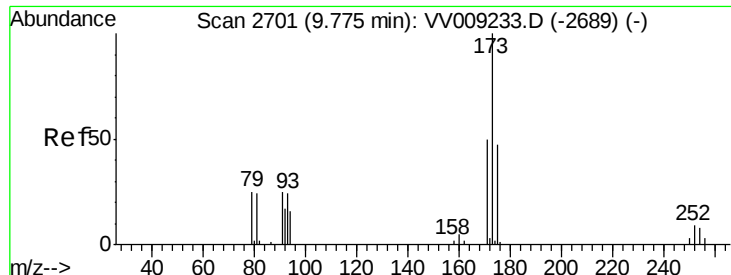
#70
Styrene
Concen: 152.583 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion:104 Resp: 513971
Ion Ratio Lower Upper
104 100
78 49.8 43.1 64.7
103 53.5 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: 175.093 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

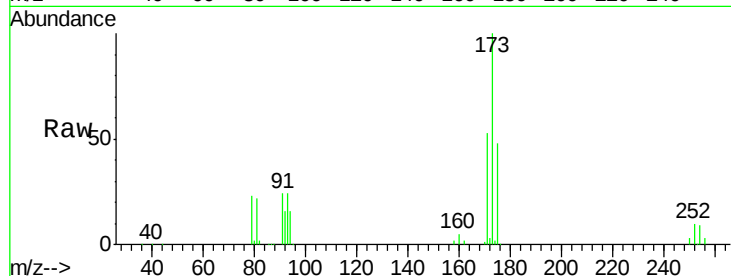
Tot Ion:173 Resp: 94984

Ion Ratio Lower Upper

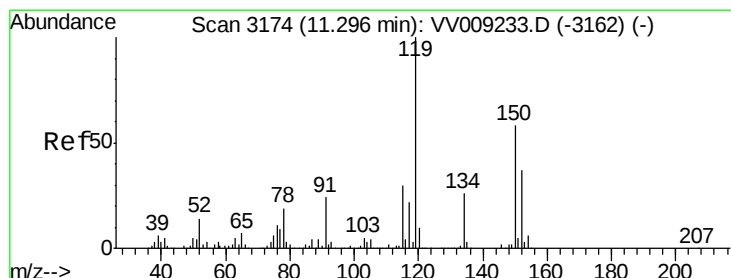
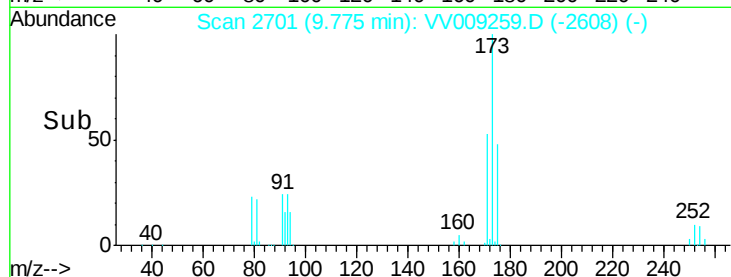
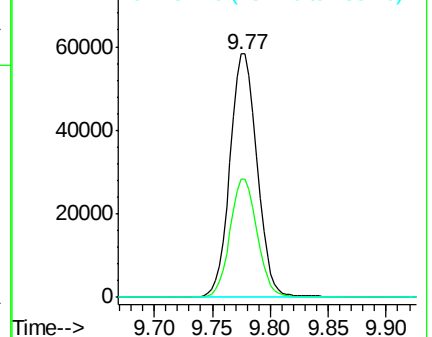
173 100

175 48.5 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: VV009259.D

Acq: 24 Jan 2019 14:43

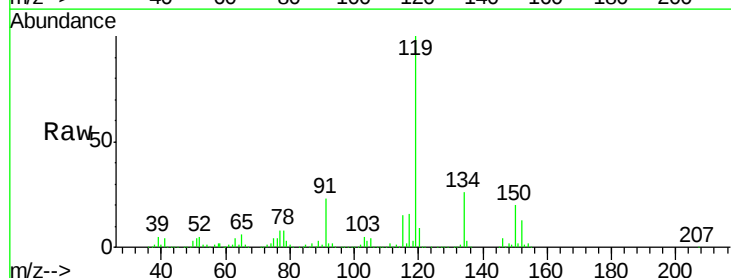
Tgt Ion:152 Resp: 75761

Ion Ratio Lower Upper

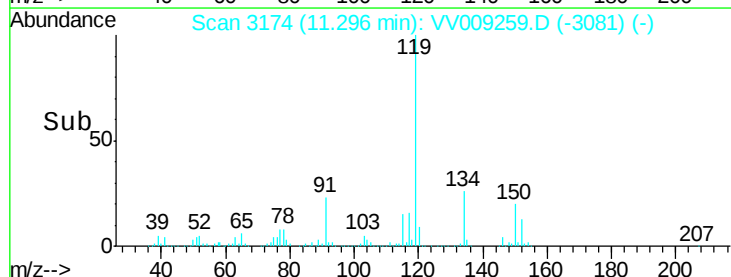
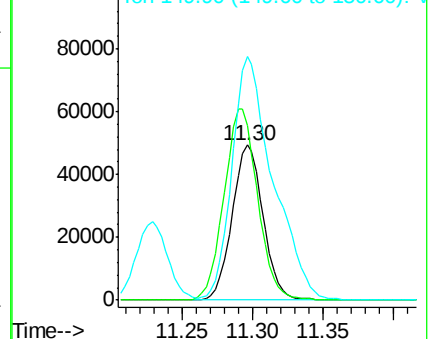
152 100

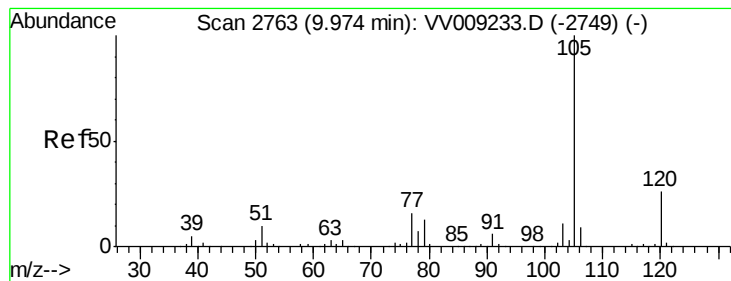
115 133.5 45.0 134.8

150 208.5 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: 133.317 ug/l

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

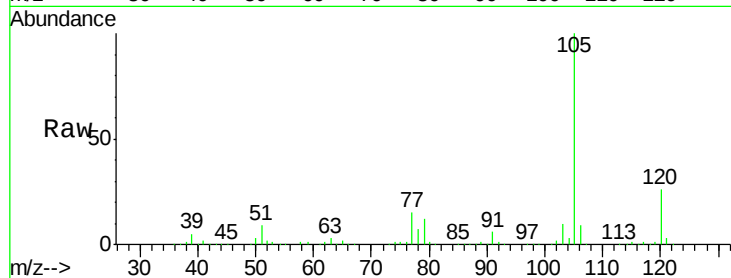
VSTDIC150

Tot Ion:105 Resp: 834047

Ion Ratio Lower Upper

105 100

120 26.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

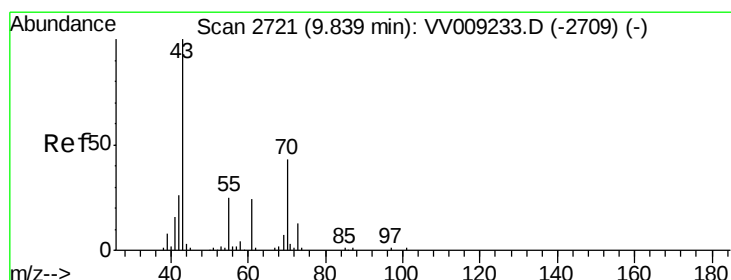
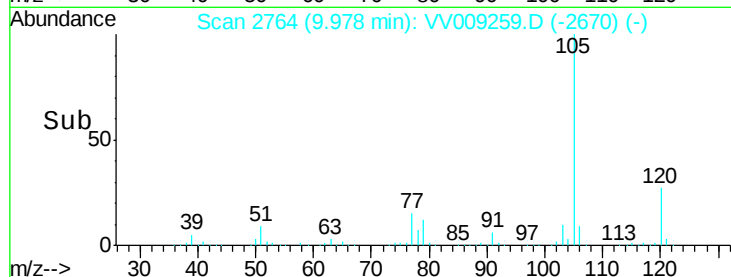
200000

100000

0

9.90 9.98 10.00 10.10

Time-->



#74

N-ethyl acetate

Concen: 173.629 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Tgt Ion: 43 Resp: 200869

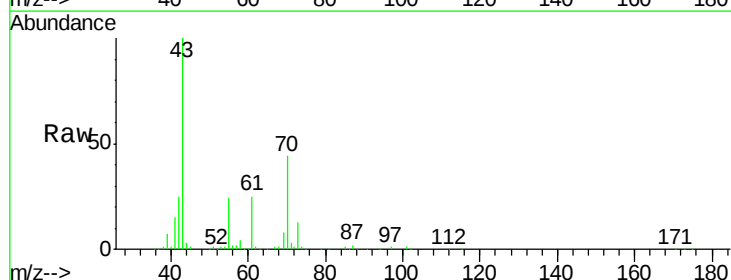
Ion Ratio Lower Upper

43 100

70 43.1 33.0 49.6

55 24.0 18.7 28.1

61 24.5 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

200000

150000

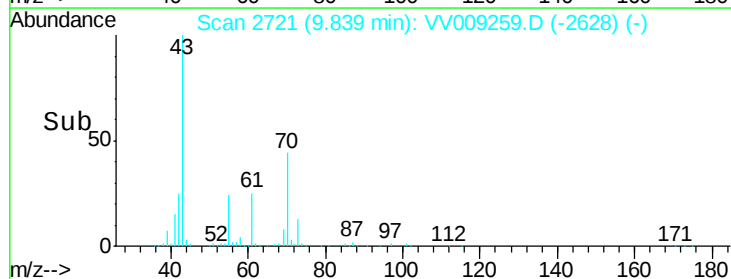
100000

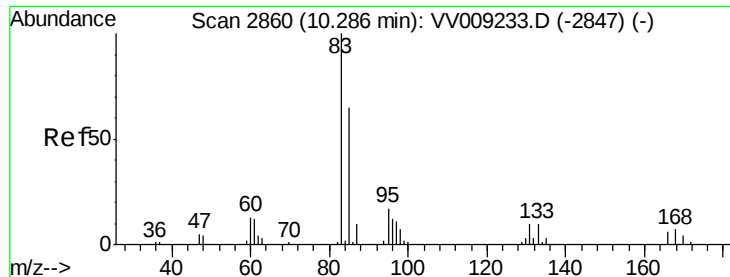
50000

0

9.80 9.84 9.90 10.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 154.338 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampled :

VSTDIC150

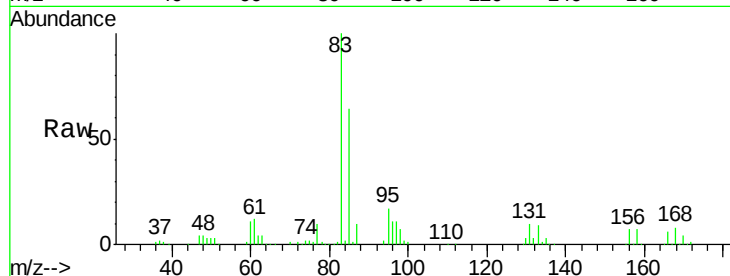
Tot Ion: 83 Resp: 162779

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

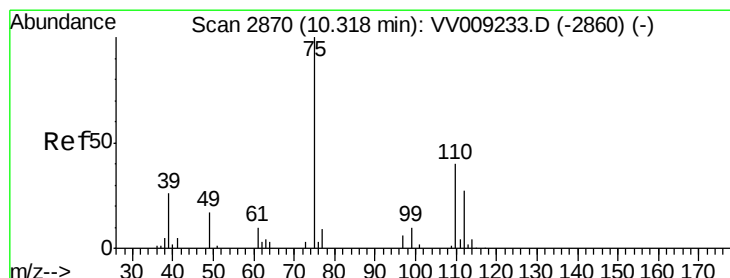
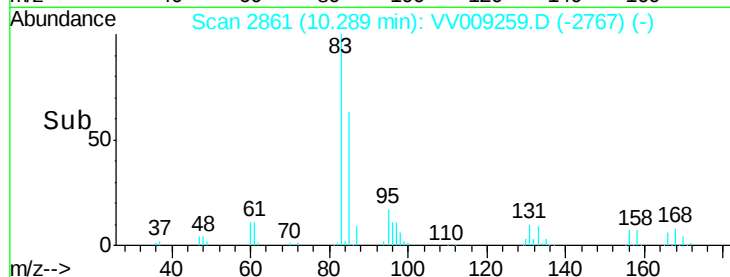
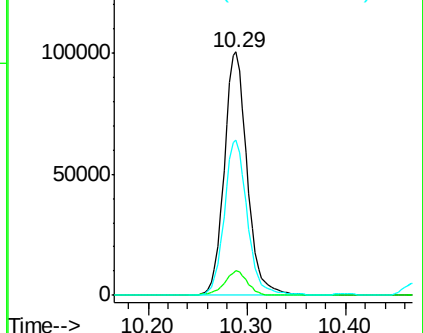
85 64.3 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VV009259.D (-2767) (-)

Ion 130.80 (130.50 to 131.50): VV009259.D (-2767) (-)

Ion 84.90 (84.60 to 85.60): VV009259.D (-2767) (-)



#76

1,2,3-Trichloropropane

Concen: 149.168 ug/l

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009259.D

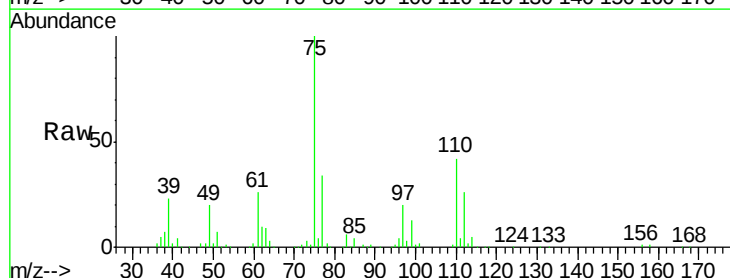
Acq: 24 Jan 2019 14:43

Tgt Ion: 75 Resp: 123728

Ion Ratio Lower Upper

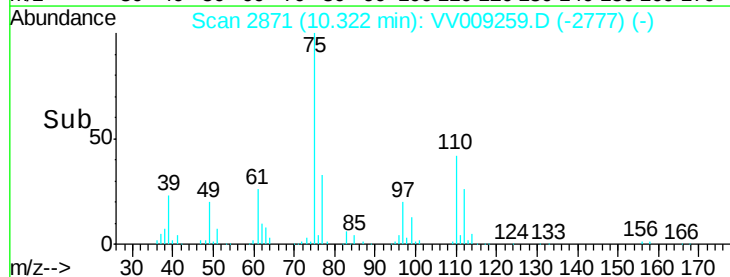
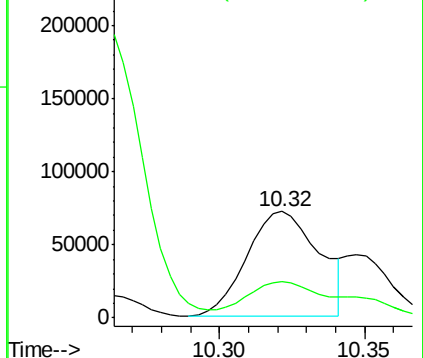
75 100

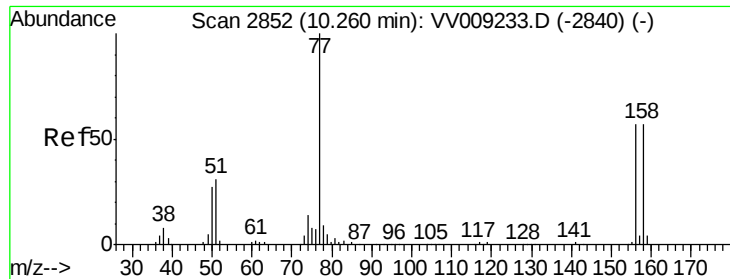
77 25.0 24.6 73.8



Abundance Ion 74.90 (74.60 to 75.60): VV009259.D (-2777) (-)

Ion 77.00 (76.70 to 77.70): VV009259.D (-2777) (-)





#77

Bromobenzene

Concen: 143.445 ug/l

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

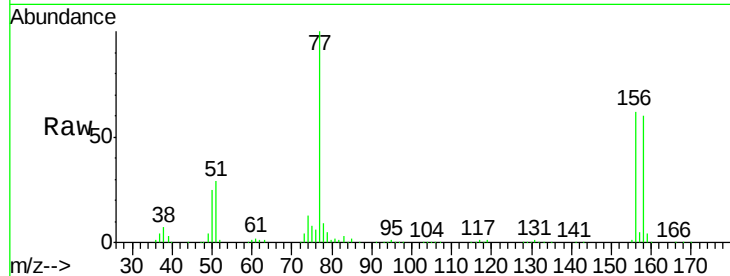
Tot Ion:156 Resp: 191950

Ion Ratio Lower Upper

156 100

77 161.9 86.0 258.0

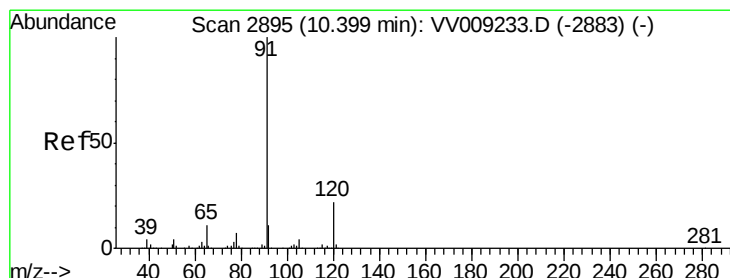
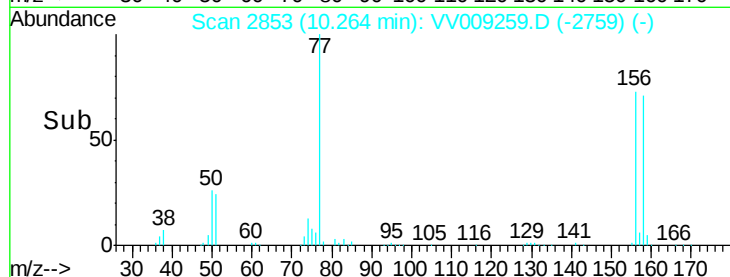
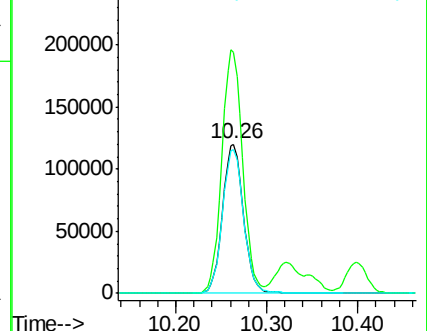
158 97.7 49.8 149.3



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: 132.141 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009259.D

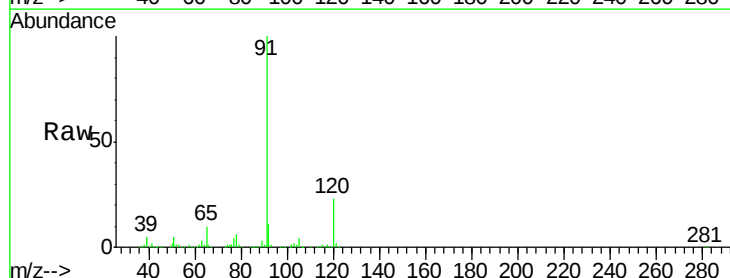
Acq: 24 Jan 2019 14:43

Tgt Ion: 91 Resp: 980030

Ion Ratio Lower Upper

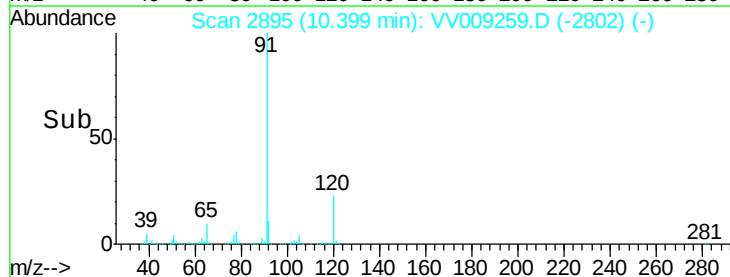
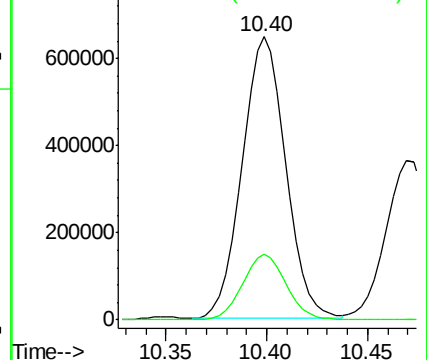
91 100

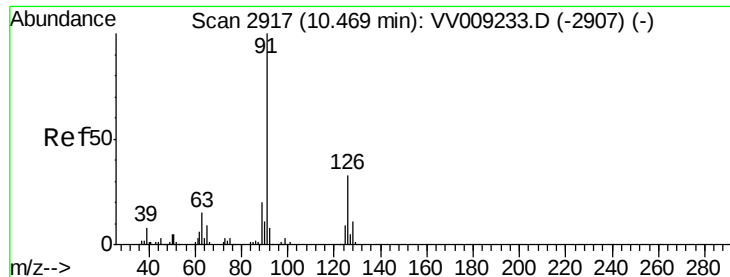
120 23.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V

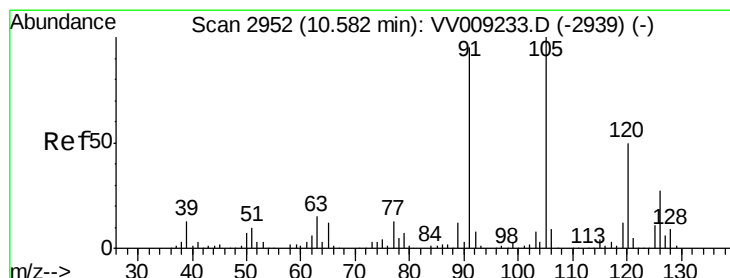
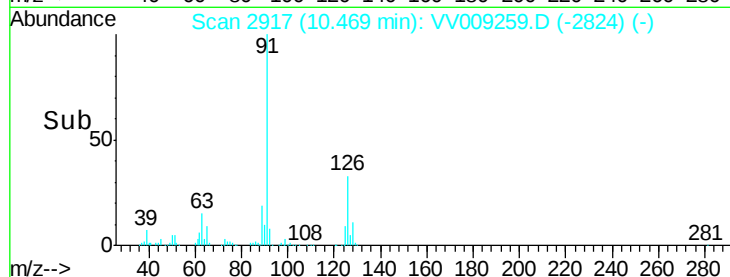
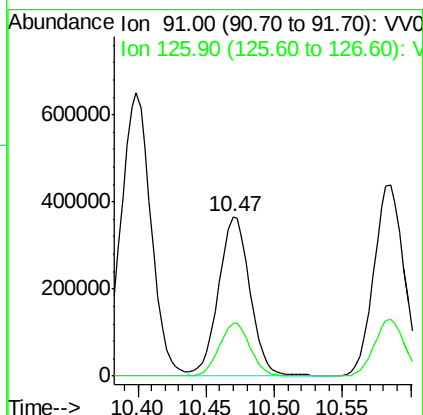
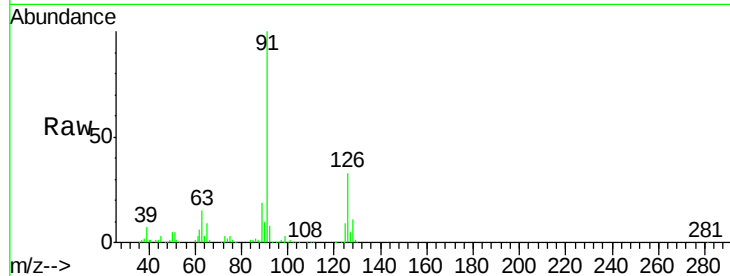




#79
 2-Chlorotoluene
 Concen: 129.193 ug/l
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

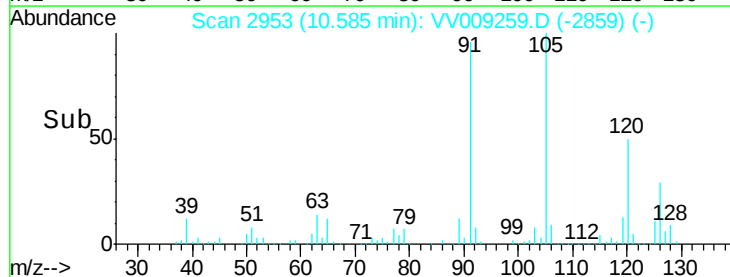
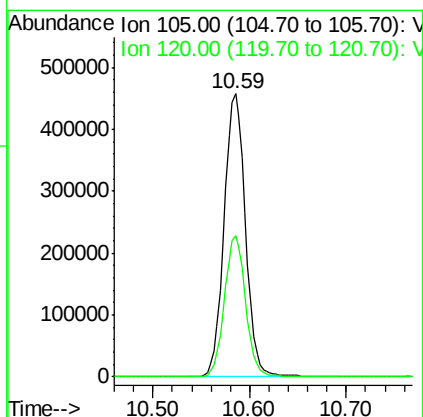
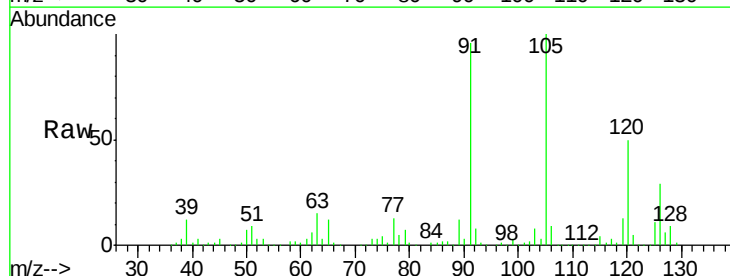
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

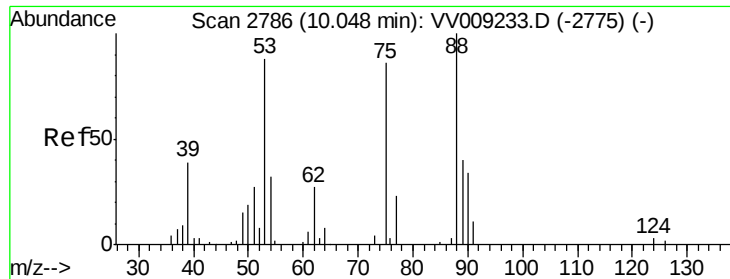
Tot Ion: 91 Resp: 578134
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 133.632 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Tgt Ion: 105 Resp: 701128
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 177.689 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

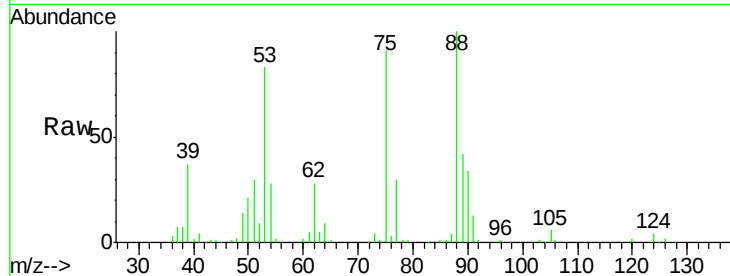
Tot Ion: 75 Resp: 52081

Ion Ratio Lower Upper

75 100

53 94.3 82.1 123.1

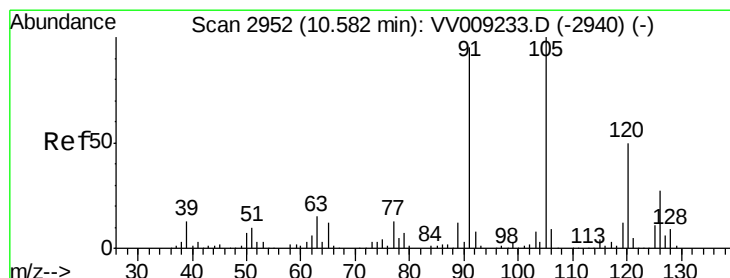
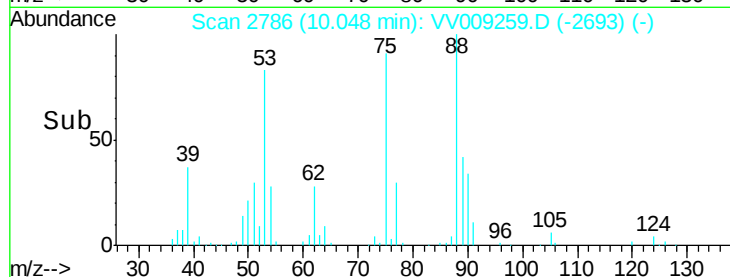
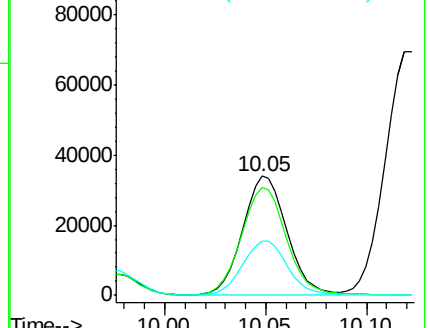
89 47.1 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 53.00 (52.70 to 53.70): VV0

Ion 88.90 (88.60 to 89.60): VV0



#82

4-Chlorotoluene

Concen: 129.873 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009259.D

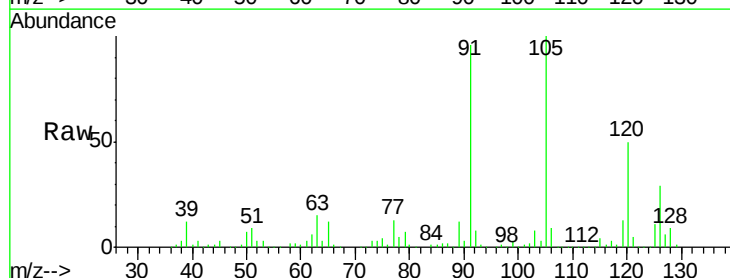
Acq: 24 Jan 2019 14:43

Tgt Ion: 91 Resp: 684527

Ion Ratio Lower Upper

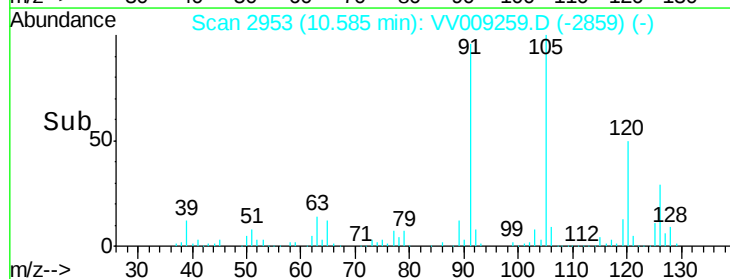
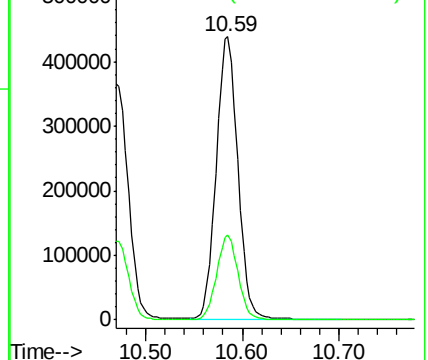
91 100

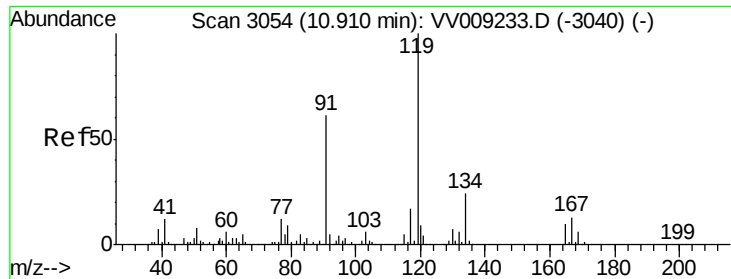
126 29.8 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 136.583 ug/l

RT: 10.91 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

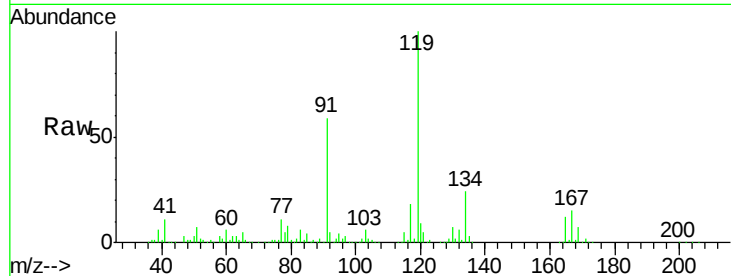
Tot Ion:119 Resp: 682365

Ion Ratio Lower Upper

119 100

91 57.8 30.0 90.1

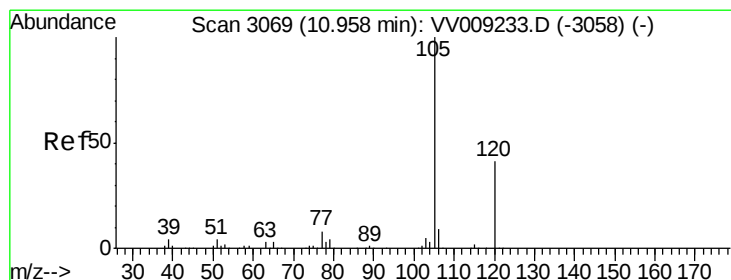
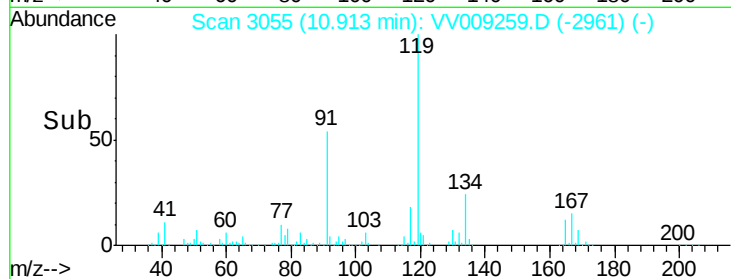
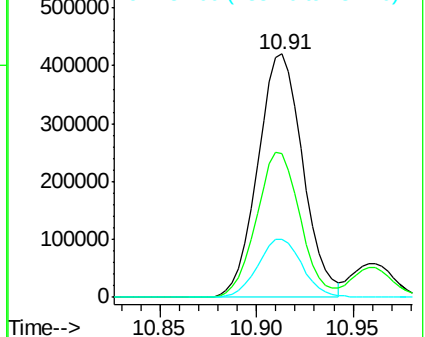
134 23.8 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VV0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 135.071 ug/l

RT: 10.96 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VV009259.D

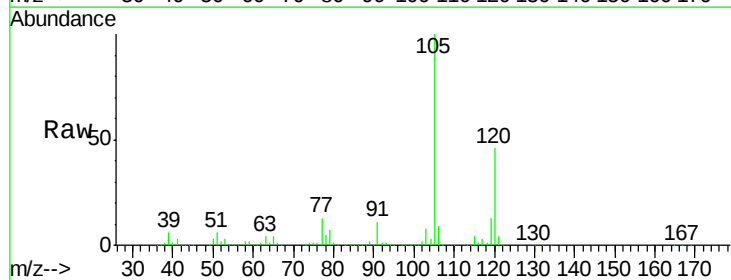
Acq: 24 Jan 2019 14:43

Tgt Ion:105 Resp: 714904

Ion Ratio Lower Upper

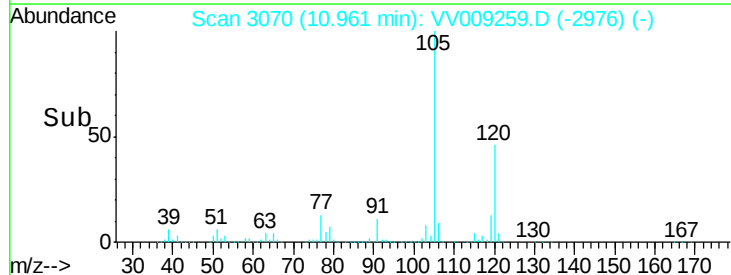
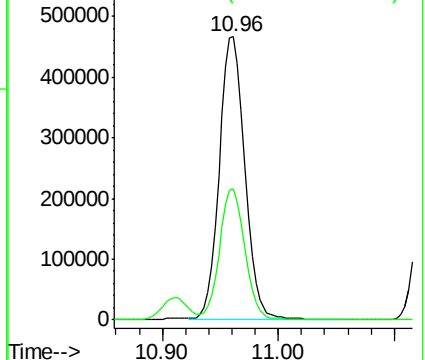
105 100

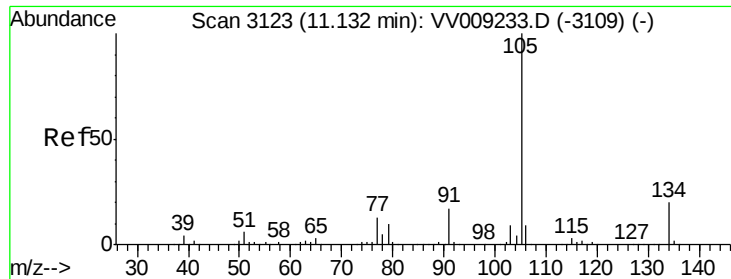
120 46.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 132.884 ug/l

RT: 11.14 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

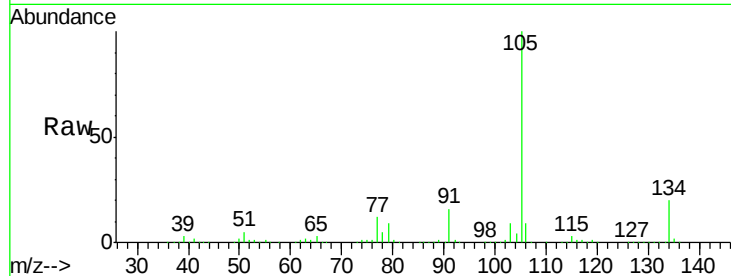
VSTDIC150

Tot Ion:105 Resp: 869533

Ion Ratio Lower Upper

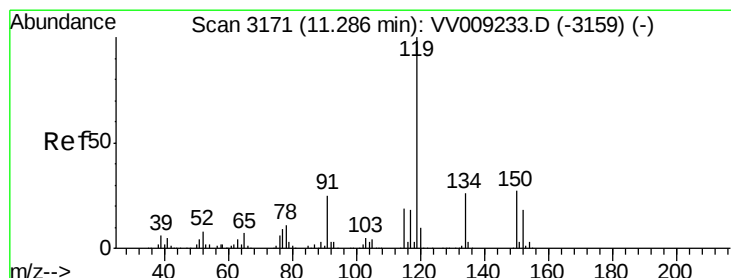
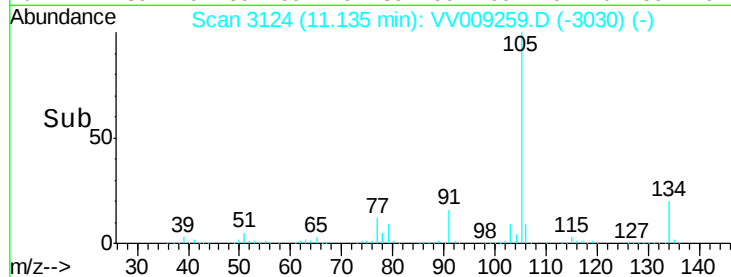
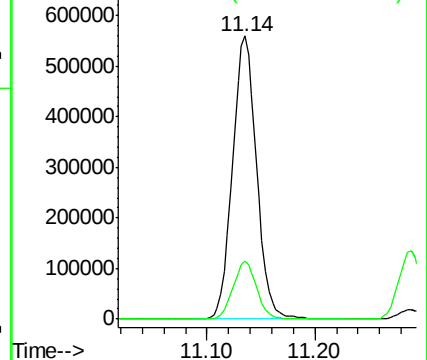
105 100

134 20.2 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: 135.801 ug/l

RT: 11.29 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

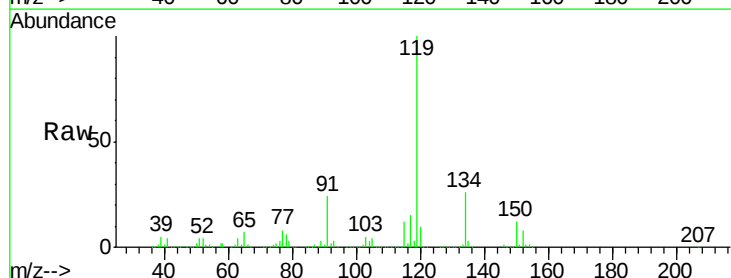
Tgt Ion:119 Resp: 778065

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

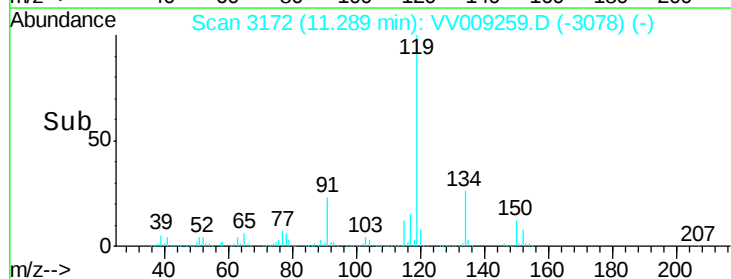
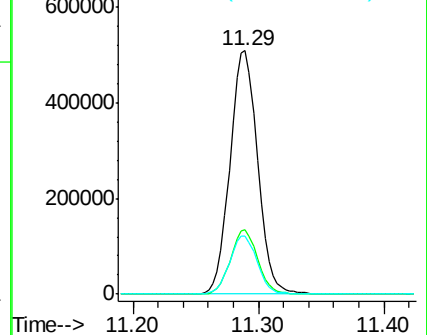
91 23.9 12.4 37.2

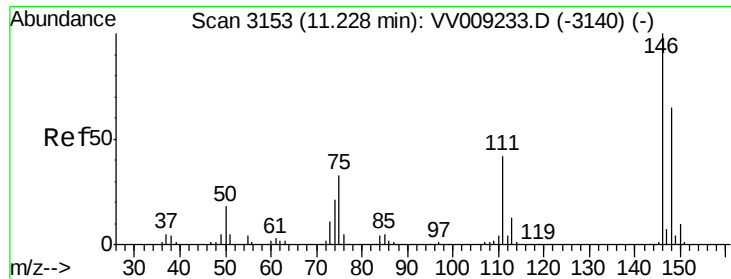


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VV0

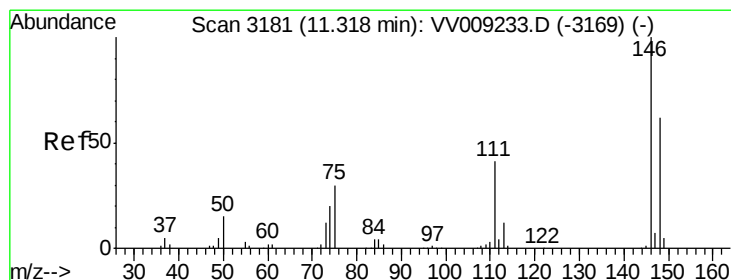
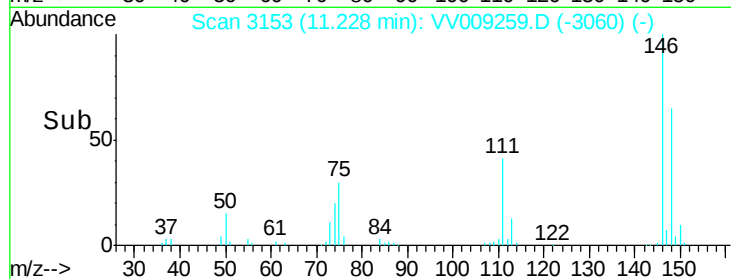
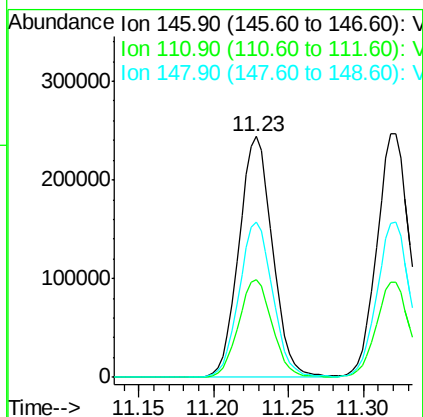
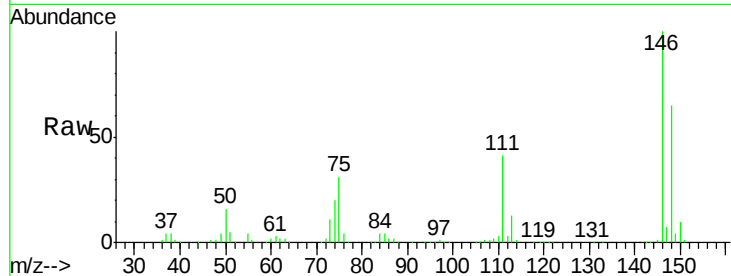




#87
 1,3-Dichlorobenzene
 Concen: 137.357 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

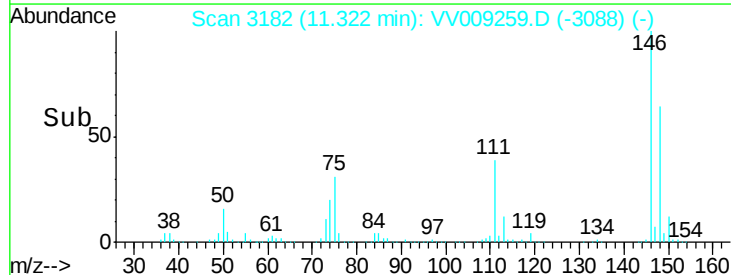
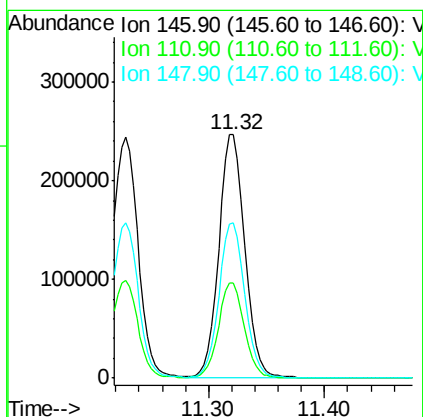
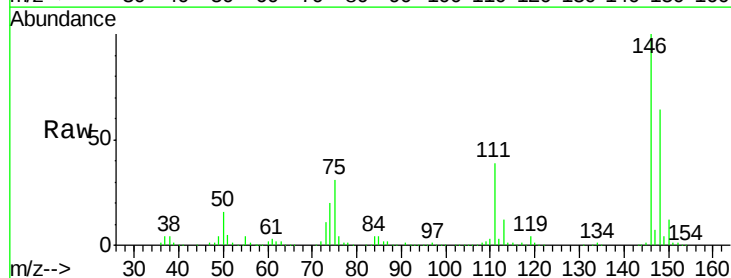
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

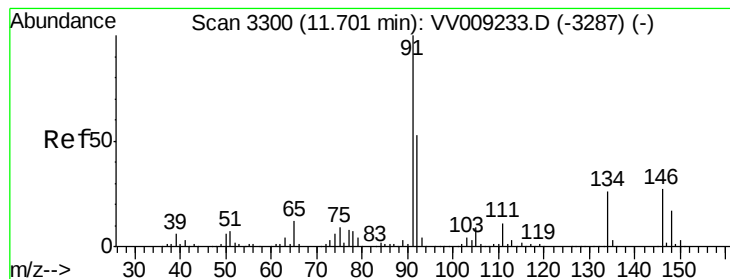
Tot Ion:146 Resp: 381639
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.1 63.4
 148 64.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 136.636 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Tgt Ion:146 Resp: 383786
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.5 61.5
 148 63.6 31.4 94.3





#89

n-Butylbenzene

Concen: 133.242 ug/l

RT: 11.70 min Scan# 3300

Delta R.T. 0.00 min

Lab File: VV009259.D

Acq: 24 Jan 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

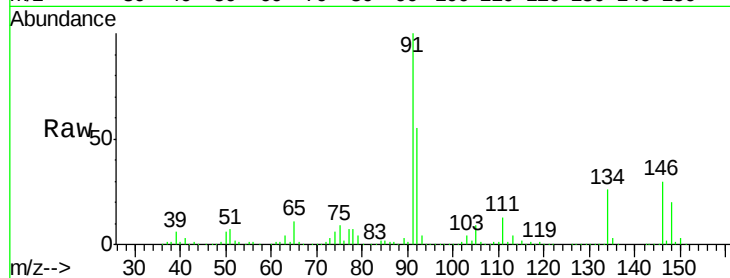
Tot Ion: 91 Resp: 741004

Ion Ratio Lower Upper

91 100

92 54.5 27.2 81.5

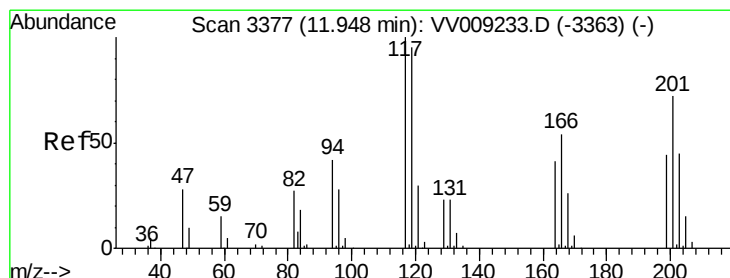
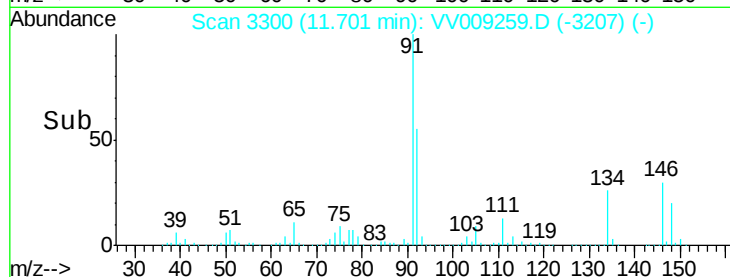
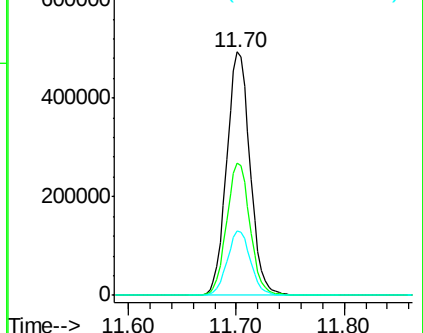
134 26.4 12.6 37.8



Abundance Ion 91.00 (90.70 to 91.70): VV009259.D (-3287) (-)

Ion 92.00 (91.70 to 92.70): VV009259.D (-3287) (-)

Ion 134.00 (133.70 to 134.70): VV009259.D (-3287) (-)



#90

Hexachloroethane

Concen: 141.639 ug/l

RT: 11.95 min Scan# 3377

Delta R.T. 0.00 min

Lab File: VV009259.D

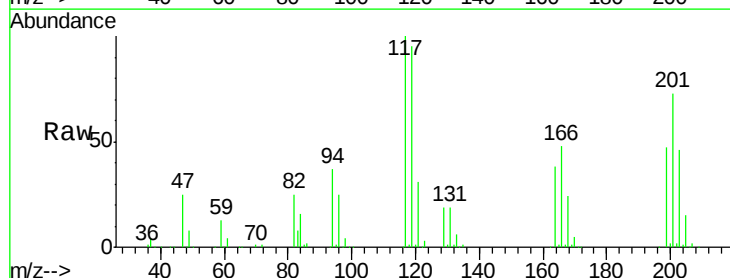
Acq: 24 Jan 2019 14:43

Tgt Ion: 117 Resp: 144309

Ion Ratio Lower Upper

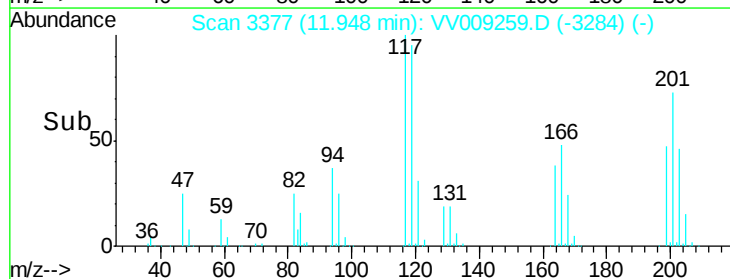
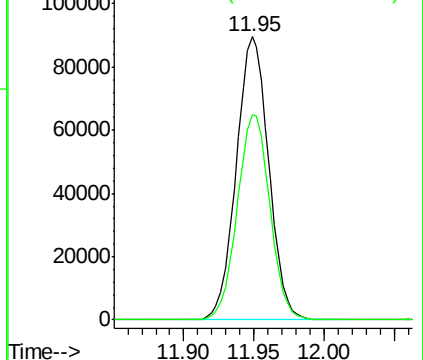
117 100

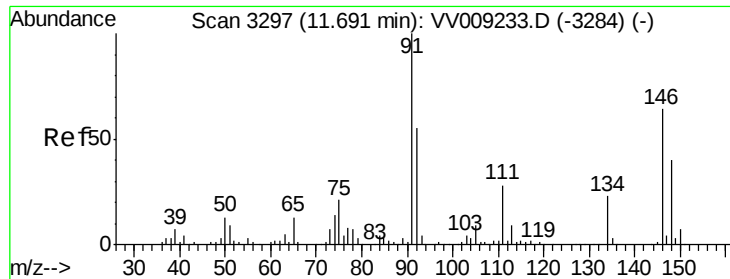
201 73.1 35.2 105.6



Abundance Ion 116.80 (116.50 to 117.50): VV009259.D (-3284) (-)

Ion 200.70 (200.40 to 201.40): VV009259.D (-3284) (-)

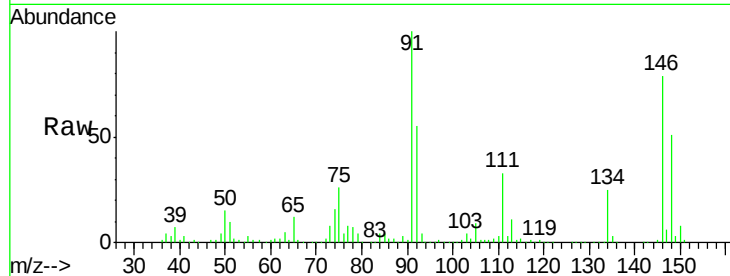




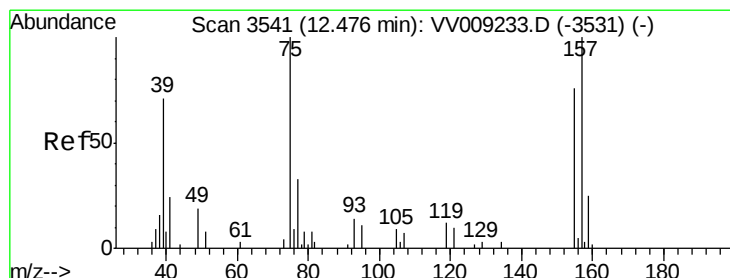
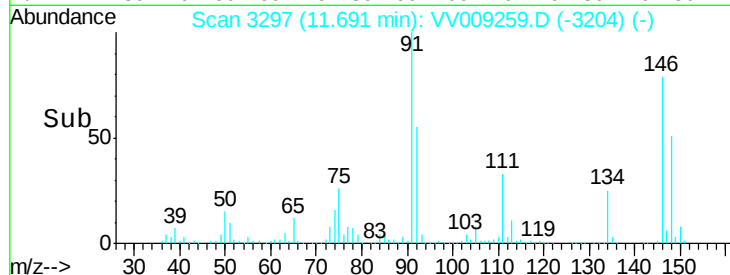
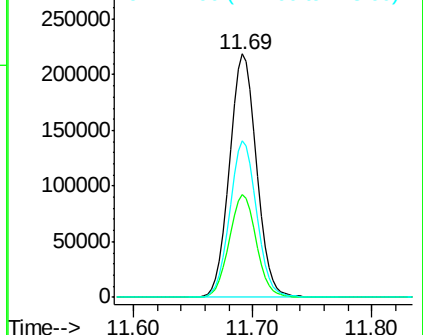
#91
 1,2-Dichlorobenzene
 Concen: 140.489 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 344570
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.9 65.8
 148 63.9 31.6 95.0

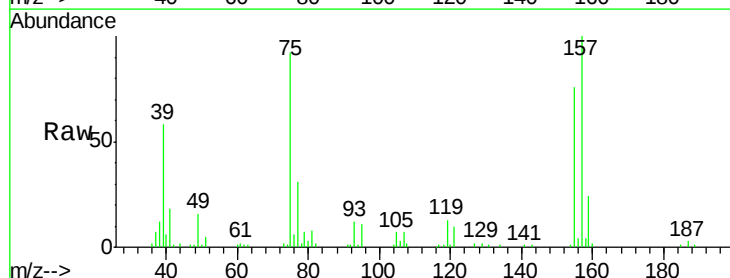


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

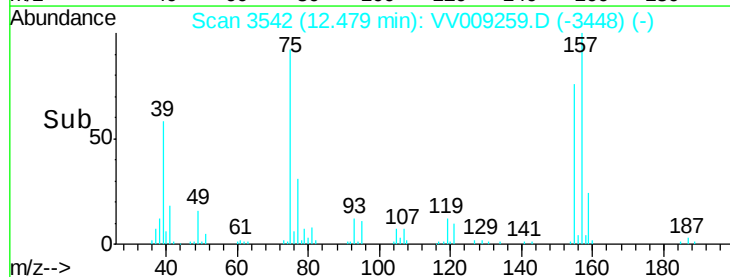
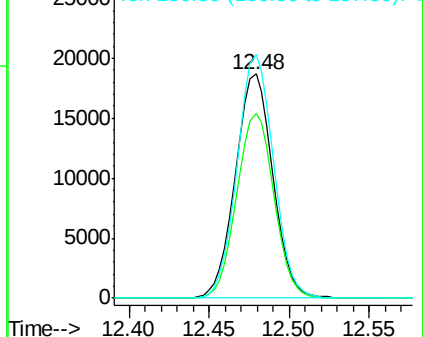


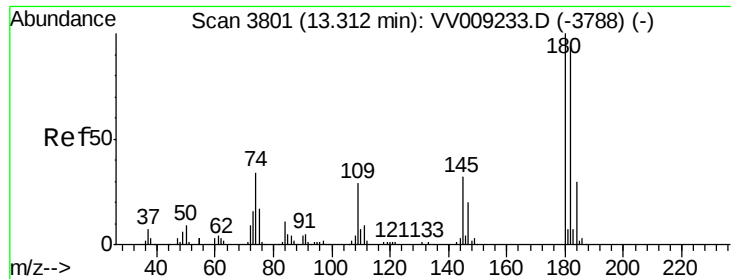
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 168.174 ug/l
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Tgt Ion: 75 Resp: 29778
 Ion Ratio Lower Upper
 75 100
 155 81.6 38.0 114.0
 157 105.2 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

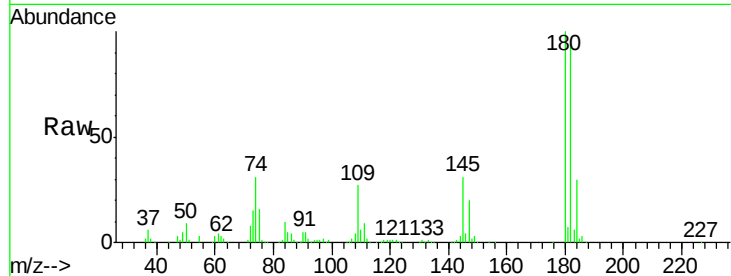




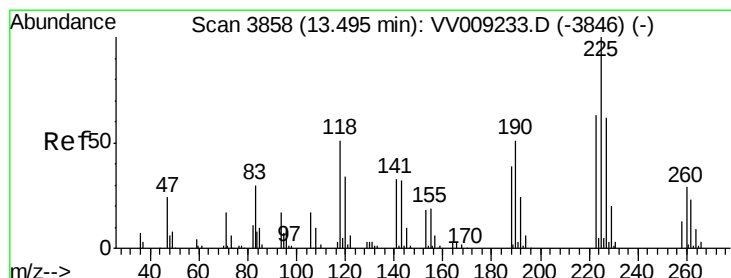
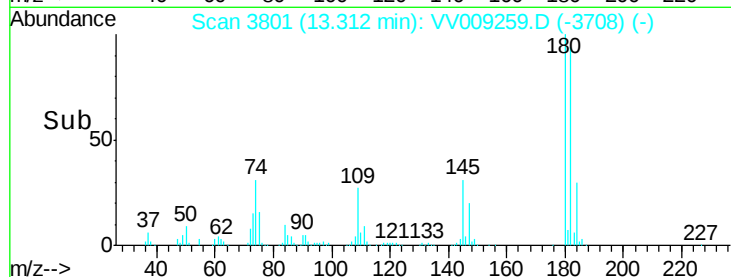
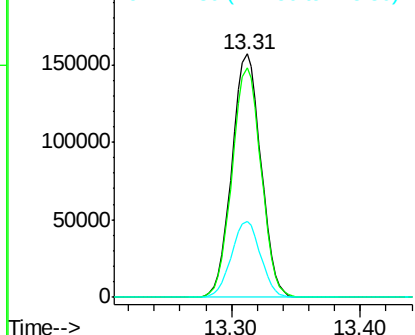
#93
 1,2,4-Trichlorobenzene
 Concen: 154.885 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 244544
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.1 141.4
 145 31.4 16.0 48.0

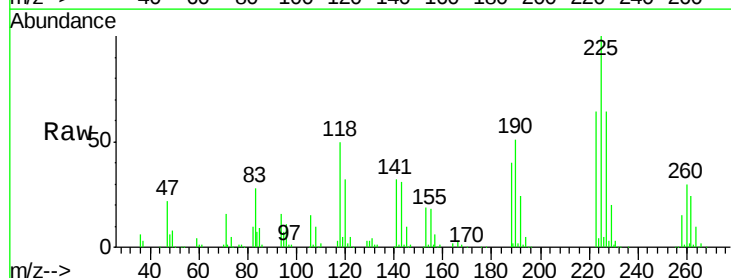


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

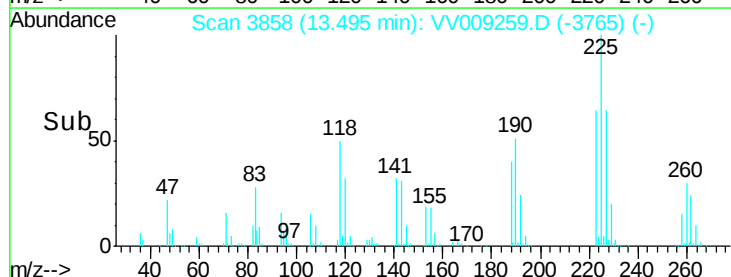
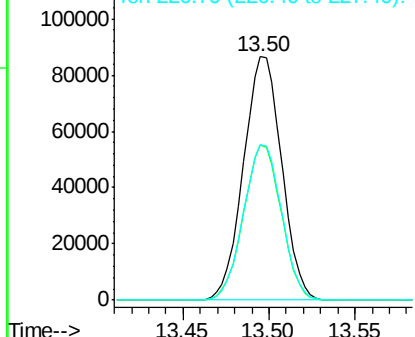


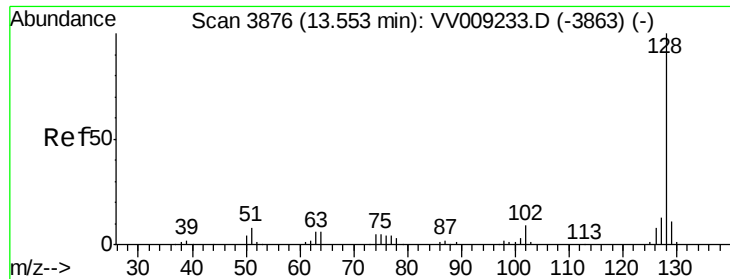
#94
 Hexachlorobutadiene
 Concen: 136.274 ug/l
 RT: 13.50 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009259.D
 Acq: 24 Jan 2019 14:43

Tgt Ion:225 Resp: 133351
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.7 95.1
 227 63.5 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

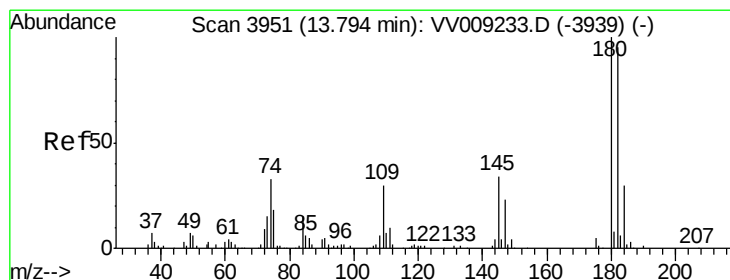
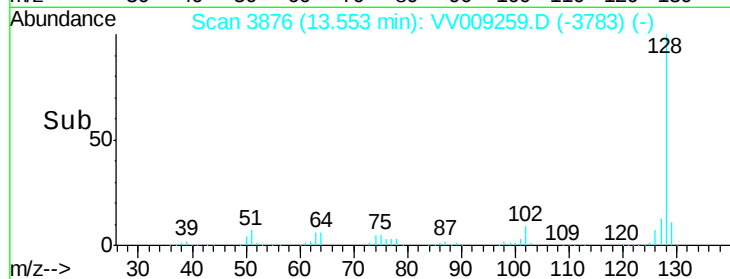
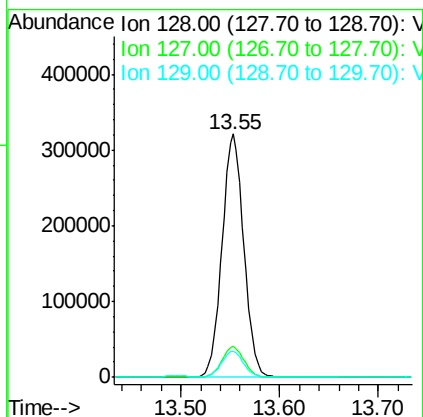
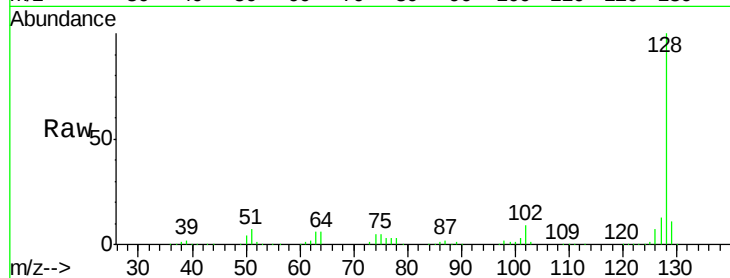




#95
Naphthalene
Concen: 182.294 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 497663
Ion Ratio Lower Upper
128 100
127 12.8 10.7 16.1
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 158.647 ug/l
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV009259.D
Acq: 24 Jan 2019 14:43

Tgt Ion:180 Resp: 212107
Ion Ratio Lower Upper
180 100
182 96.0 47.4 142.2
145 33.6 17.2 51.5

