

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
 Data File : VV007121.D
 Acq On : 22 Aug 2018 14:58
 Operator : SY/MD
 Sample : VSTD05075
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 07:41:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:39:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	537600	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	534410	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	259475	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	178520	44.84	ug/L	0.00
7) Chloroethane-d5	1.56	69	127385	40.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	322423	40.96	ug/L	0.00
21) 2-Butanone-d5	3.95	46	302206	122.77	ug/L	0.00
24) Chloroform-d	4.40	84	376356	49.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	230683	44.54	ug/L	0.00
32) Benzene-d6	5.10	84	759359	50.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	244942	51.63	ug/L	0.00
41) Toluene-d8	7.36	98	694608	49.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	107053	46.92	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	181687	92.19	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	371446	55.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	265499	48.08	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	250219	52.944	ug/L	100
3) Chloromethane	1.25	50	307483	69.761	ug/L	100
5) Vinyl chloride	1.32	62	254734	57.439	ug/L	100
6) Bromomethane	1.51	94	55632	26.525	ug/L	100
8) Chloroethane	1.58	64	139406	52.168	ug/L	100
9) Trichlorofluoromethane	1.76	101	309483	47.447	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	185870	51.536	ug/L	100
12) 1,1-Dichloroethene	2.13	96	178545	53.261	ug/L	100
13) Acetone	2.19	43	247330	88.805	ug/L	100
14) Carbon disulfide	2.31	76	535519	67.866	ug/L	100
15) Methyl Acetate	2.46	43	208983	50.391	ug/L	100
16) Methylene chloride	2.53	84	205134	53.829	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	193354	58.998	ug/L	100
18) Methyl tert-butyl Ether	2.81	73	595818	52.948	ug/L	100
19) 1,1-Dichloroethane	3.22	63	400106	59.451	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	223659	58.150	ug/L	100
22) 2-Butanone	4.04	43	383422	114.353	ug/L	100
23) Bromochloromethane	4.30	128	118342	61.682	ug/L	100
25) Chloroform	4.43	83	396210	55.473	ug/L	100
27) 1,2-Dichloroethane	5.19	62	298618	48.582	ug/L	100
29) Cyclohexane	4.72	56	322101	56.319	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	321547	50.648	ug/L	100
31) Carbon tetrachloride	4.88	117	276727	51.014	ug/L	100
33) Benzene	5.15	78	908219	59.168	ug/L	100
34) Trichloroethene	5.96	95	202453	51.747	ug/L	100
35) Methylcyclohexane	6.18	83	329000	55.441	ug/L	100
37) 1,2-Dichloropropane	6.23	63	236710	56.858	ug/L	100
38) Bromodichloromethane	6.56	83	287047	54.294	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	313080	53.086	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	595586	98.977	ug/L	100

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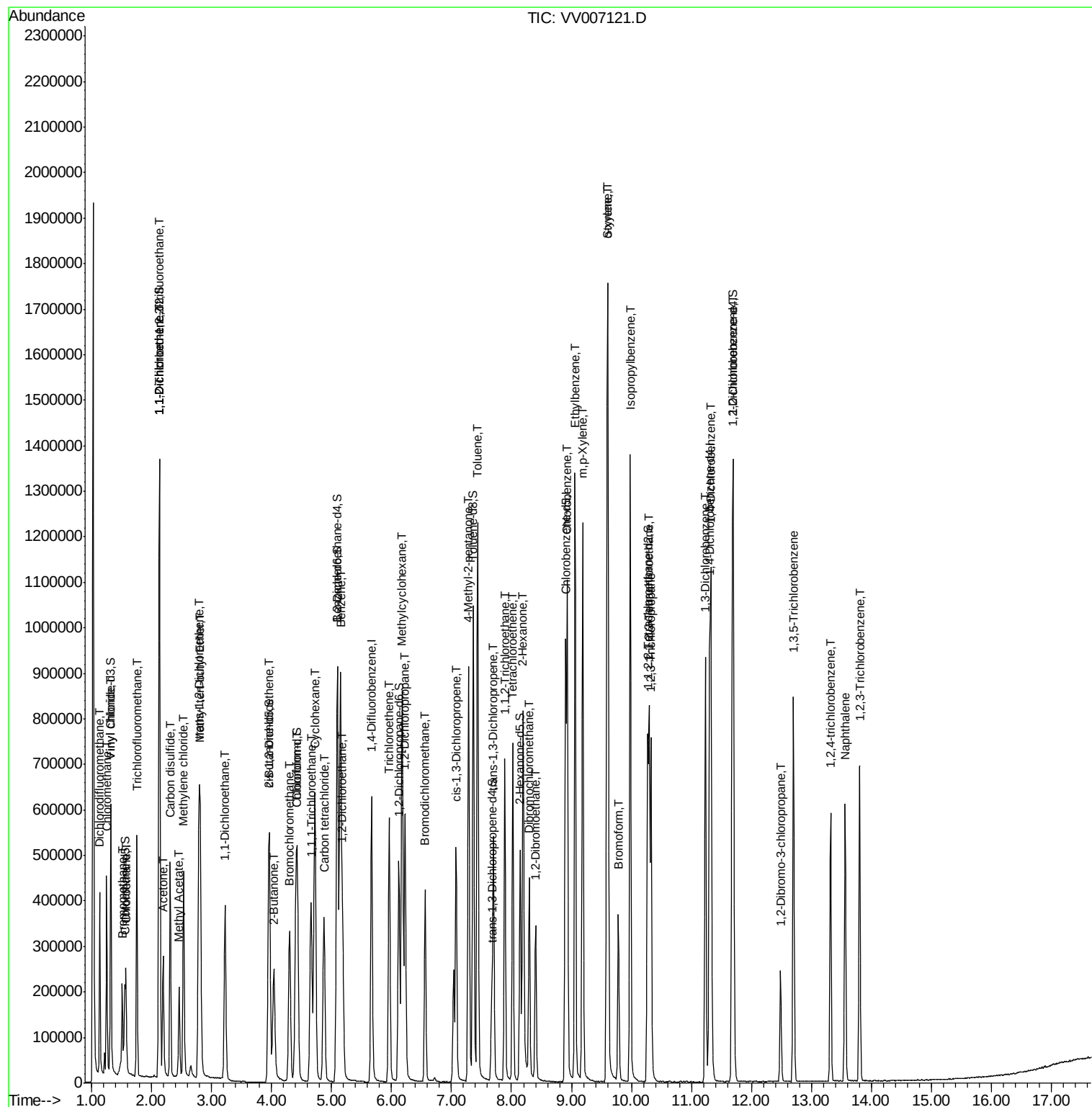
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	904229	55.481	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	303089	53.242	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	225485	56.841	ug/L	100
46) Tetrachloroethene	8.02	164	172336	56.189	ug/L	100
48) 2-Hexanone	8.19	43	504889	101.529	ug/L	100
49) Dibromochloromethane	8.30	129	226608	55.723	ug/L	100
50) 1,2-Dibromoethane	8.40	107	222445	54.193	ug/L	100
51) Chlorobenzene	8.93	112	573747	52.954	ug/L	100
52) Ethylbenzene	9.06	91	899654	49.957	ug/L	100
53) m,p-Xylene	9.19	106	348643	52.587	ug/L	100
54) o-xylene	9.59	106	343217	51.585	ug/L	100
55) Styrene	9.61	104	619593	54.009	ug/L	100
56) Isopropylbenzene	9.98	105	872722	49.195	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.30	83	397381	58.269	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	310958	56.353	ug/L	100
61) Bromoform	9.78	173	168568	60.785	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	406759	50.505	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	432350	49.859	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	462687	52.957	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	64233	46.742	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	277425	48.139	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	192804	41.628	ug/L	100
69) Naphthalene	13.56	128	497783	35.051	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	223036	44.992	ug/L	100

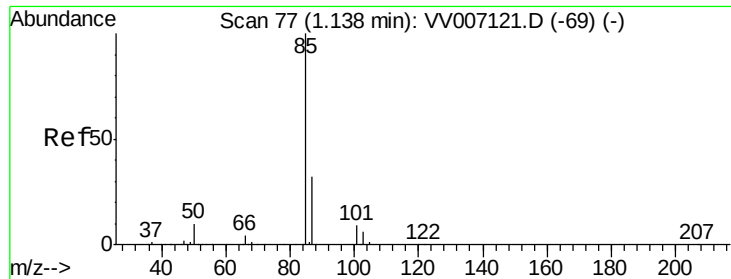
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 52.944 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :

MSVOA_V

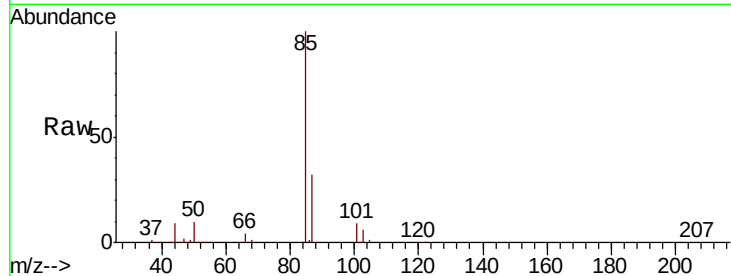
ClientSampleId :

Tot Ion: 85 Resp: 250219

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007121.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007121.D (-69) (-)

1.14

250000

200000

150000

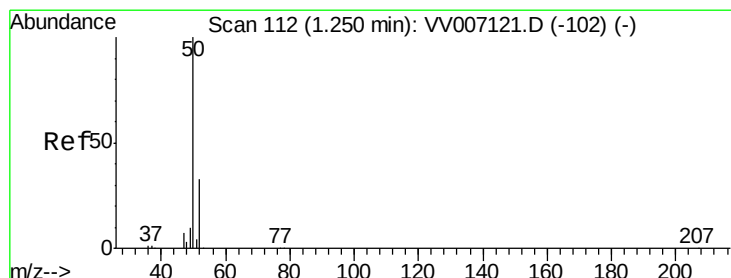
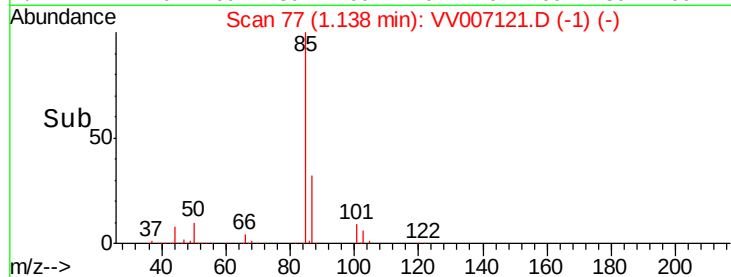
100000

50000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 69.761 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007121.D

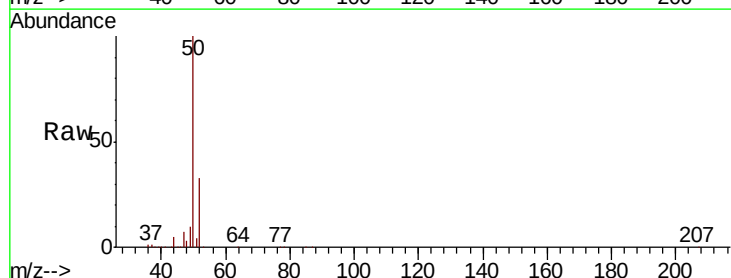
Acq: 22 Aug 2018 14:58

Tgt Ion: 50 Resp: 307483

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007121.D (-102) (-)

Ion 52.00 (51.70 to 52.70): VV007121.D (-102) (-)

1.25

300000

250000

200000

150000

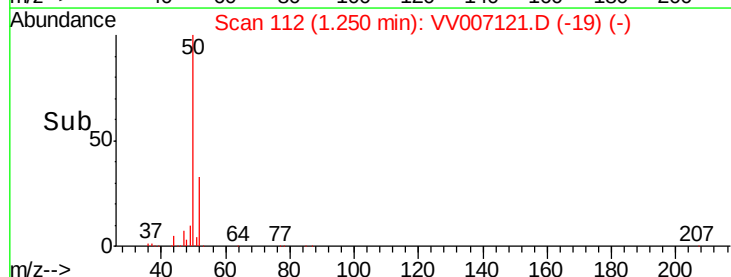
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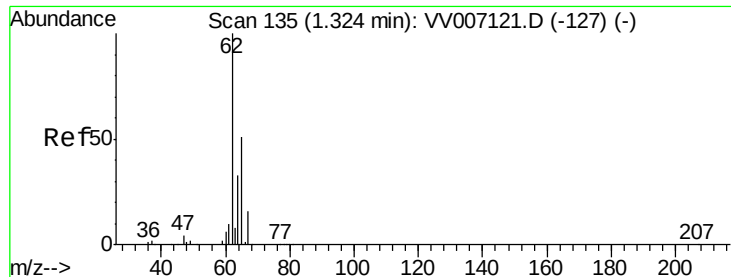
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 57.439 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :

MSVOA_V

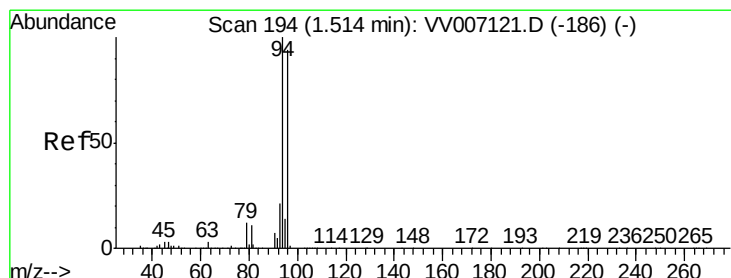
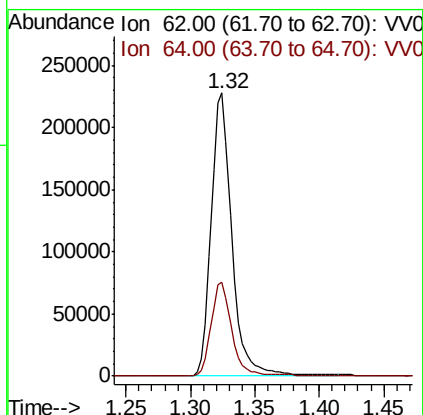
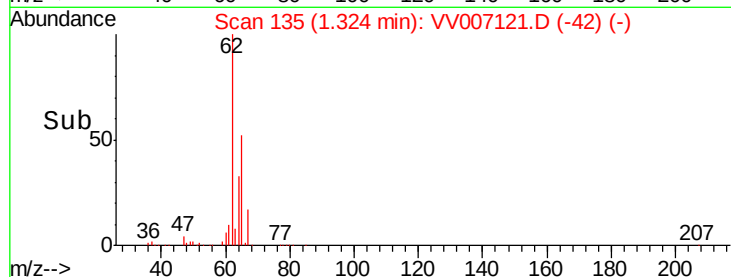
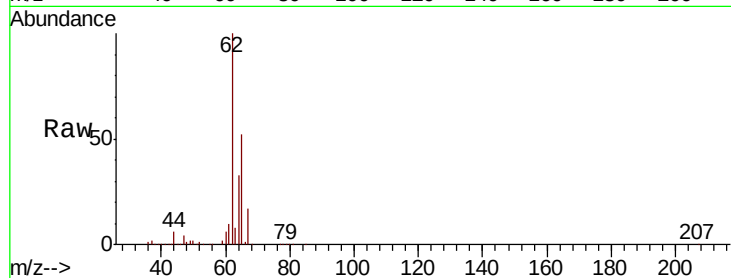
ClientSampled :

Tot Ion: 62 Resp: 254734

Ion Ratio Lower Upper

62 100

64 33.4 23.4 43.4



#6

Bromomethane

Concen: 26.525 ug/L

RT: 1.51 min Scan# 194

Delta R.T. 0.00 min

Lab File: VV007121.D

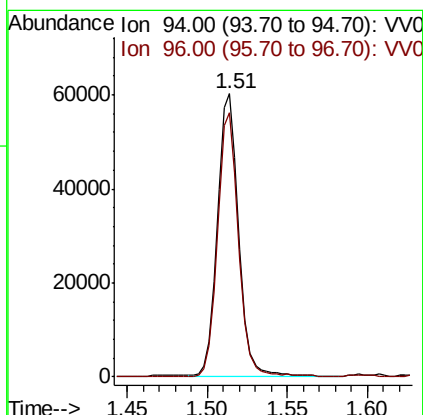
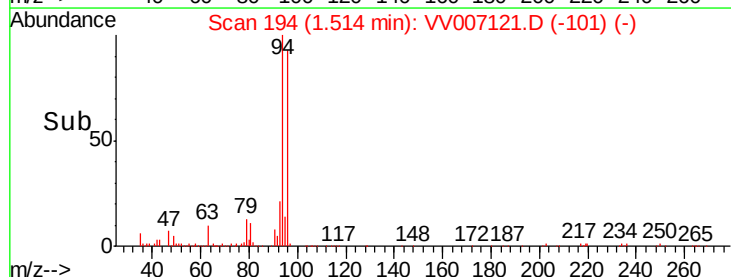
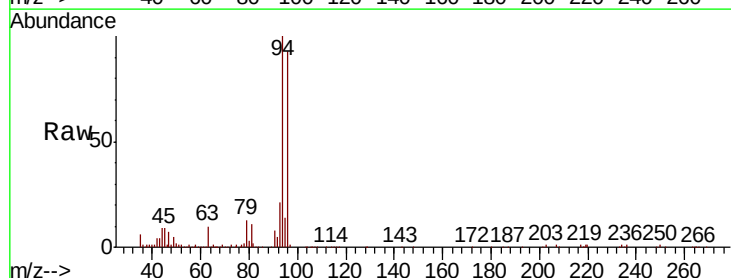
Acq: 22 Aug 2018 14:58

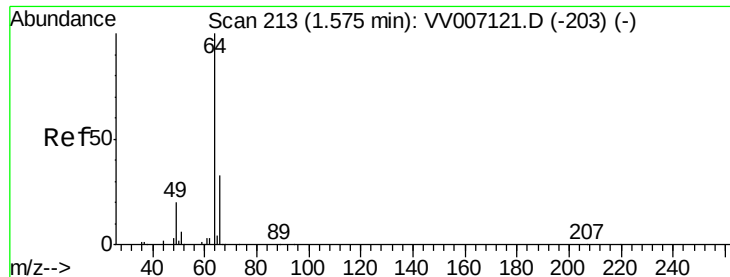
Tgt Ion: 94 Resp: 55632

Ion Ratio Lower Upper

94 100

96 93.5 65.5 121.6

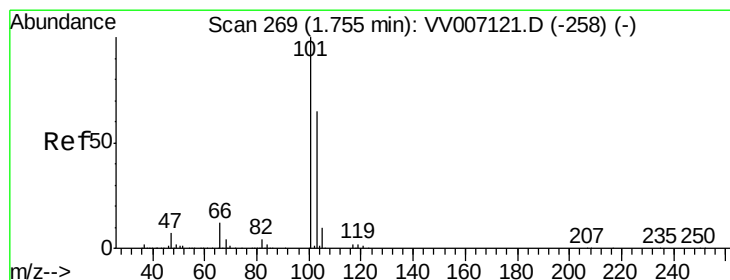
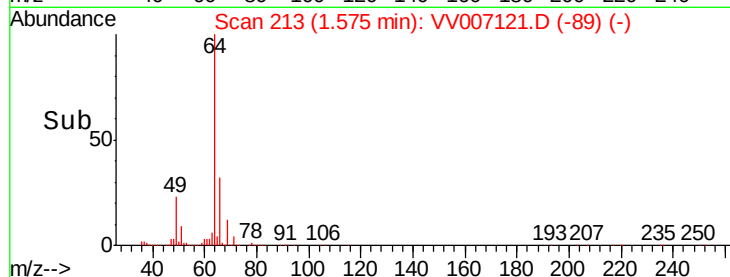
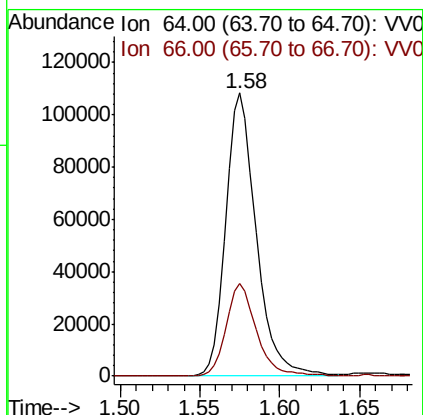
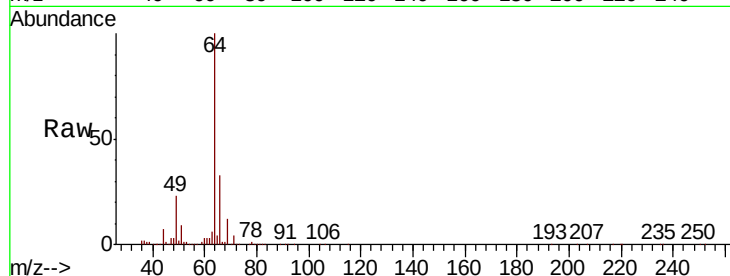




#8
Chloroethane
Concen: 52.168 ug/L
RT: 1.58 min Scan# 213
Delta R.T. 0.00 min
Lab File: VV007121.D
Acq: 22 Aug 2018 14:58

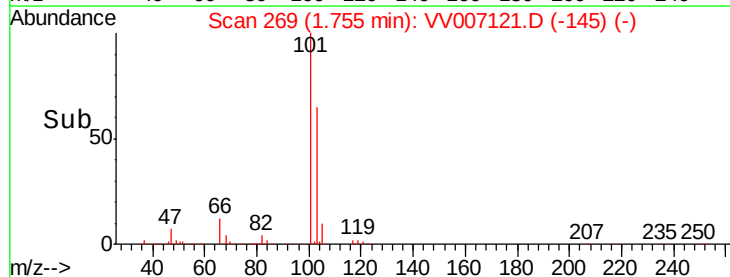
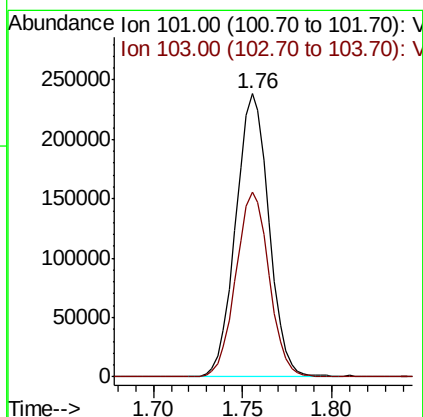
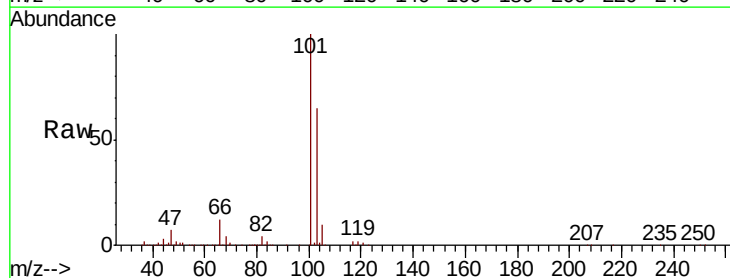
Instrument :
MSVOA_V
ClientSampleId :

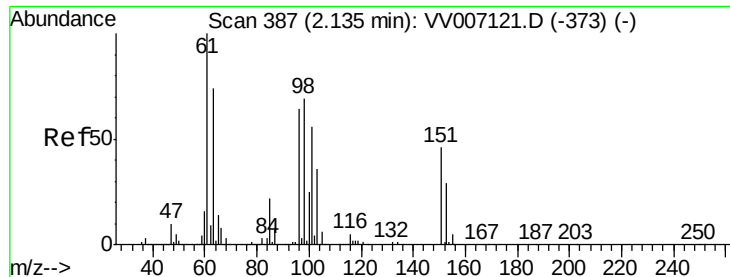
Tot Ion: 64 Resp: 139406
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 47.447 ug/L
RT: 1.76 min Scan# 269
Delta R.T. 0.00 min
Lab File: VV007121.D
Acq: 22 Aug 2018 14:58

Tgt Ion: 101 Resp: 309483
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 51.536 ug/L

RT: 2.13 min Scan# 387

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :

MSVOA_V

ClientSampled :

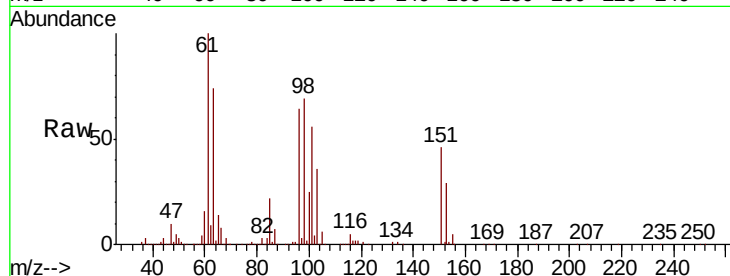
Tot Ion:101 Resp: 185870

Ion Ratio Lower Upper

101 100

85 40.6 32.5 48.7

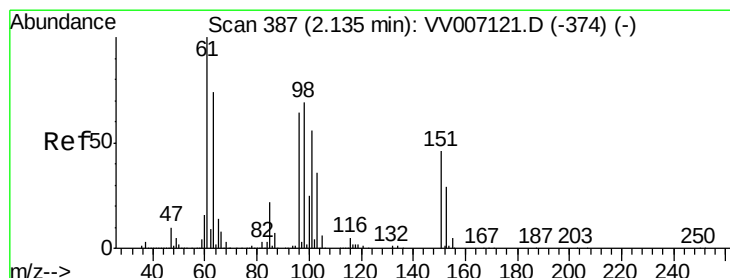
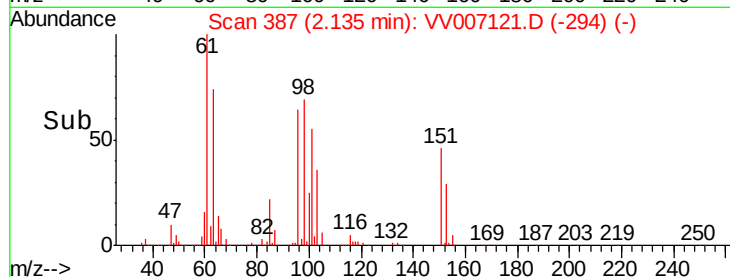
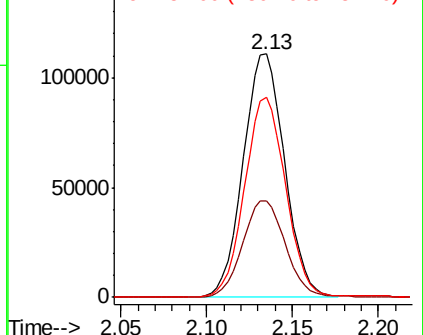
151 81.5 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.261 ug/L

RT: 2.13 min Scan# 387

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

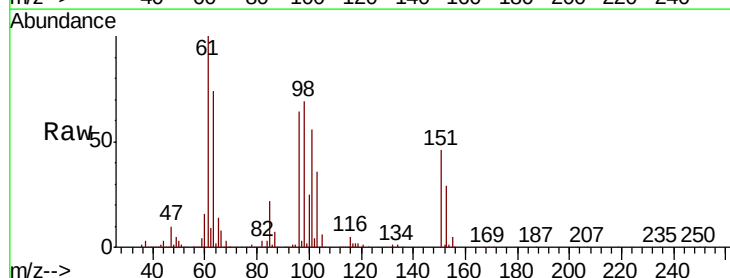
Tgt Ion: 96 Resp: 178545

Ion Ratio Lower Upper

96 100

61 157.1 110.0 204.2

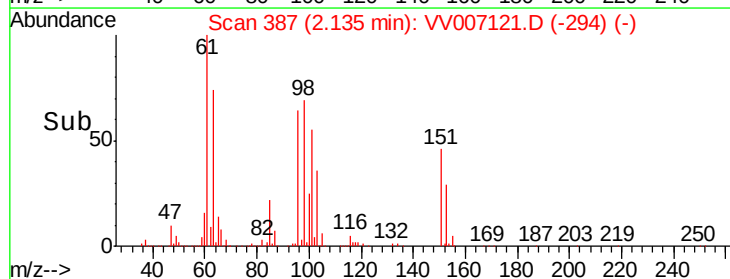
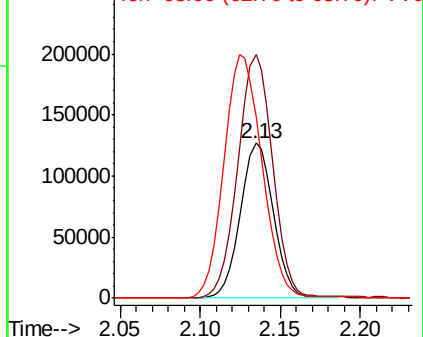
63 116.9 81.8 152.0

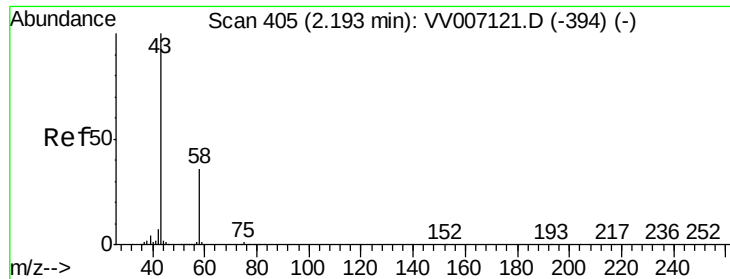


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 88.805 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

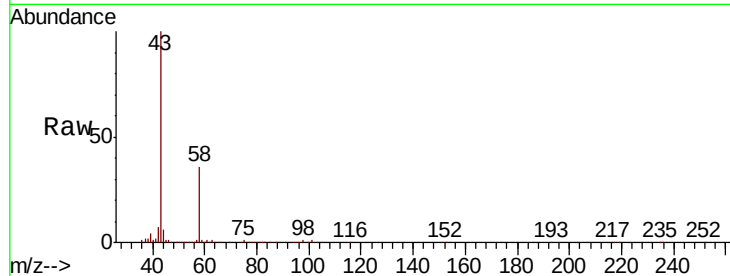
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 247330

Ion Ratio Lower Upper

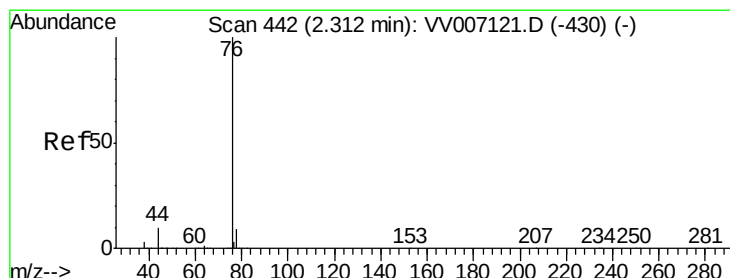
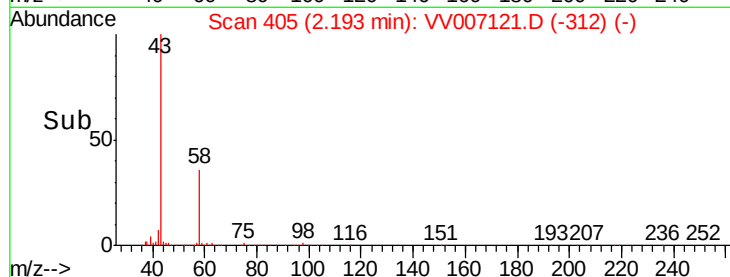
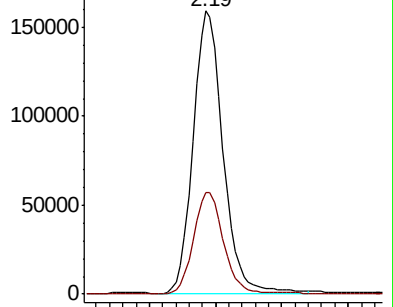
43 100

58 36.5 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VV007121.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VV007121.D (-394) (-)



#14

Carbon disulfide

Concen: 67.866 ug/L

RT: 2.31 min Scan# 442

Delta R.T. 0.00 min

Lab File: VV007121.D

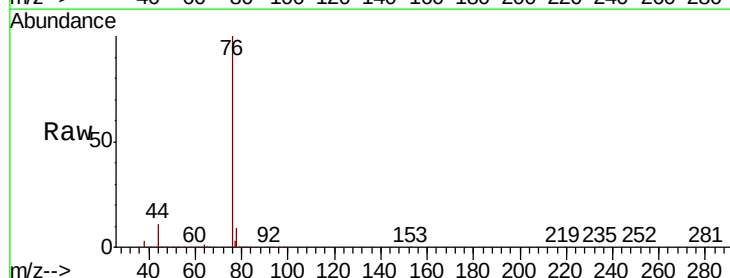
Acq: 22 Aug 2018 14:58

Tgt Ion: 76 Resp: 535519

Ion Ratio Lower Upper

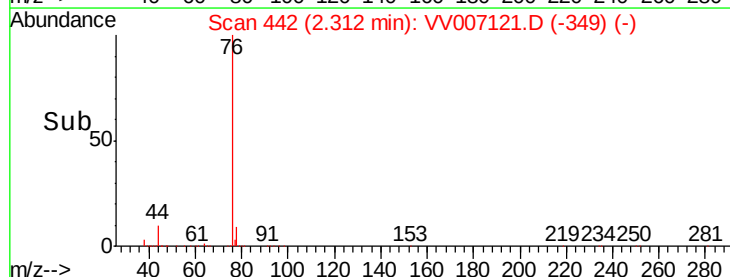
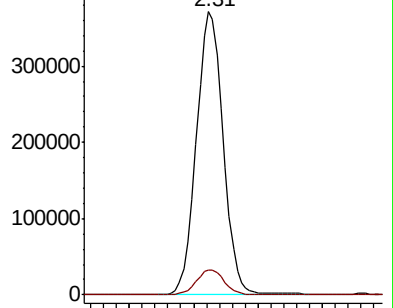
76 100

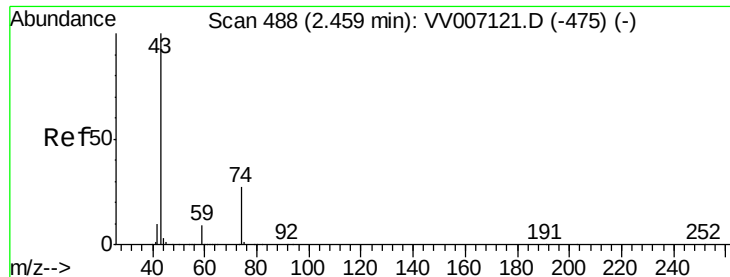
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV007121.D (-430) (-)

Ion 78.00 (77.70 to 78.70): VV007121.D (-430) (-)

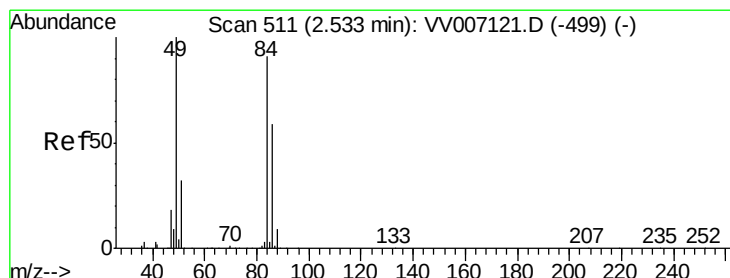
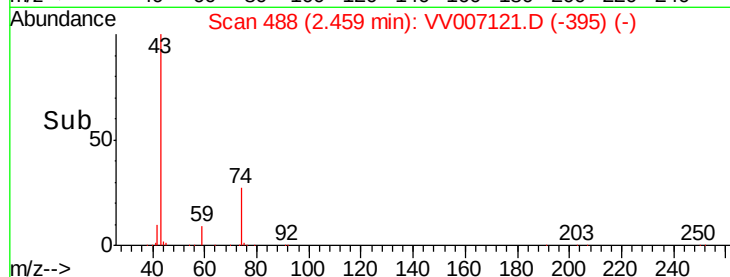
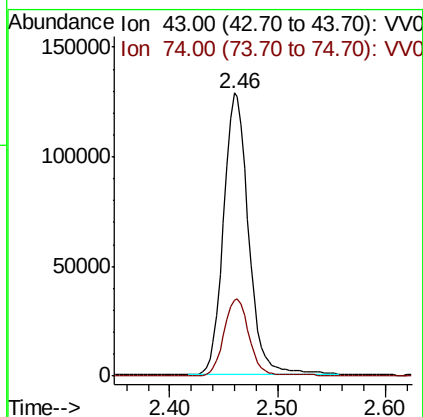
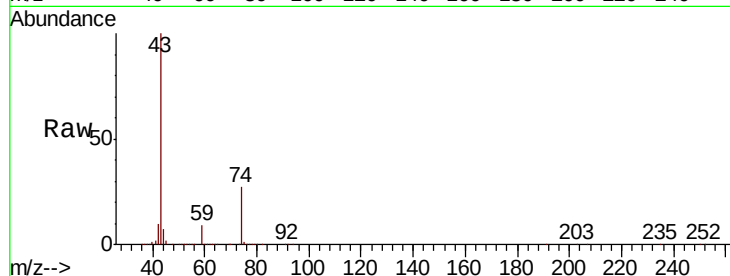




#15
Methvl Acetate
Concen: 50.391 ug/L
RT: 2.46 min Scan# 488
Delta R.T. 0.00 min
Lab File: VV007121.D
Acq: 22 Aug 2018 14:58

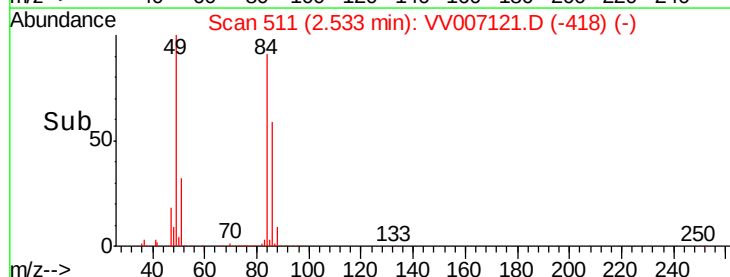
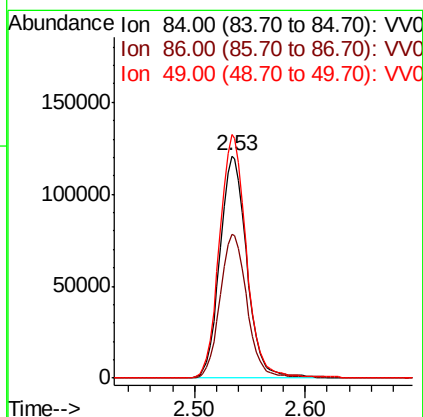
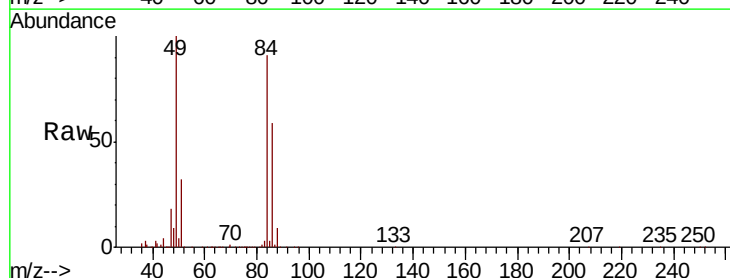
Instrument :
MSVOA_V
ClientSampled :

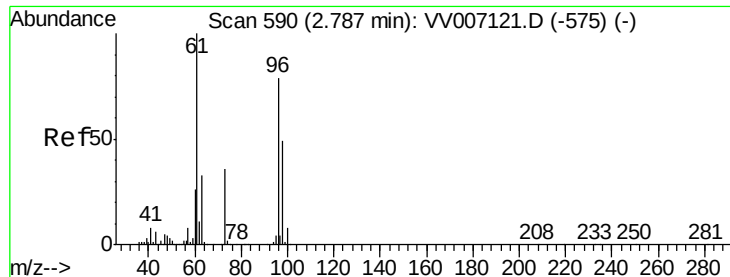
Tot Ion: 43 Resp: 208983
Ion Ratio Lower Upper
43 100
74 27.7 22.2 33.2



#16
Methylene chloride
Concen: 53.829 ug/L
RT: 2.53 min Scan# 511
Delta R.T. 0.00 min
Lab File: VV007121.D
Acq: 22 Aug 2018 14:58

Tgt Ion: 84 Resp: 205134
Ion Ratio Lower Upper
84 100
86 64.9 45.4 84.4
49 109.6 76.7 142.5





#17

trans-1,2-Dichloroethene

Concen: 58.998 ug/L

RT: 2.79 min Scan# 590

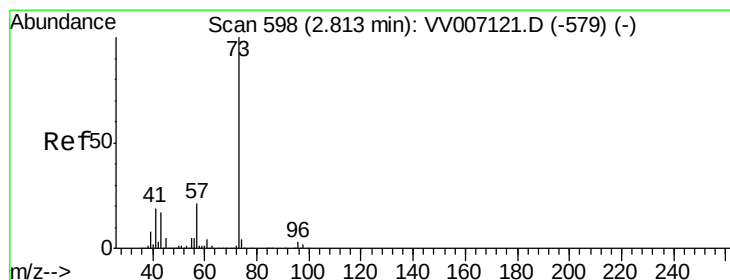
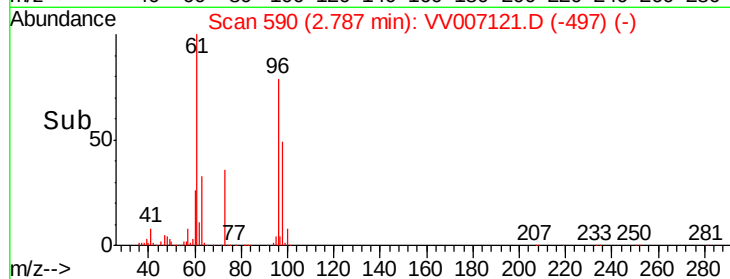
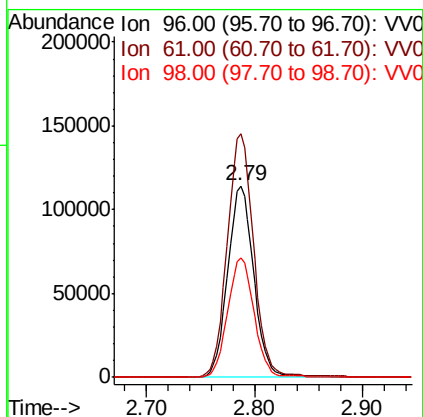
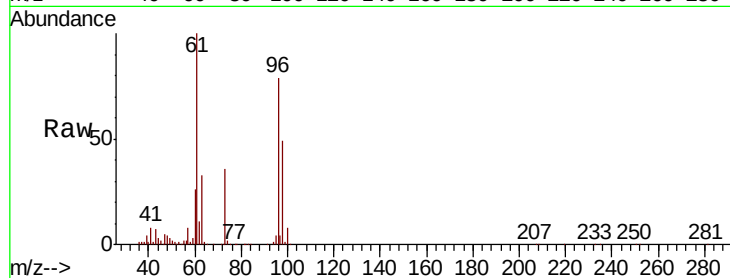
Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	96	Resp:	193354
Ion	Ratio	Lower	Upper
96	100		
61	127.3	89.1	165.5
98	62.3	43.6	81.0



#18

Methyl tert-butyl Ether

Concen: 52.948 ug/L

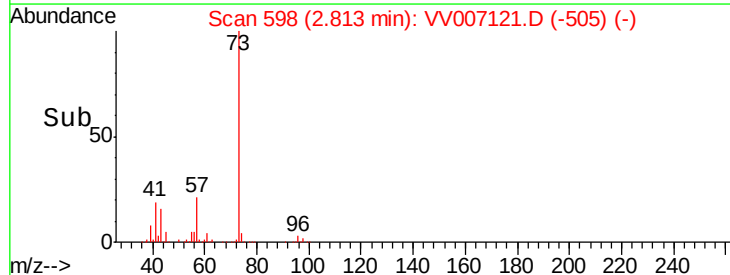
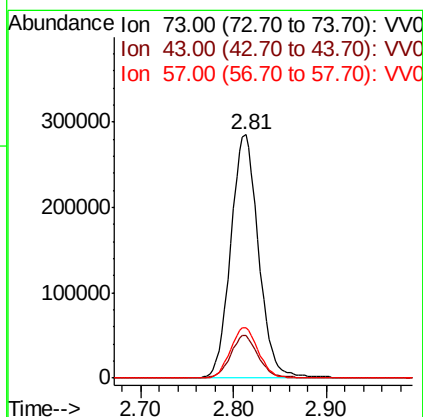
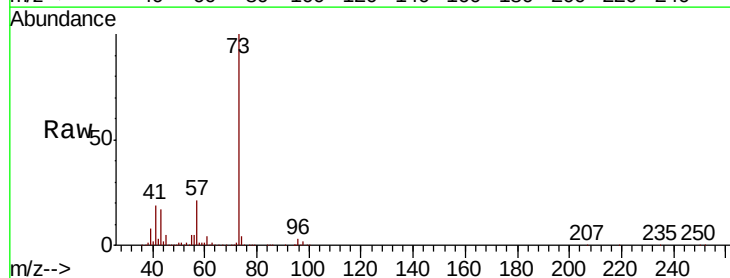
RT: 2.81 min Scan# 598

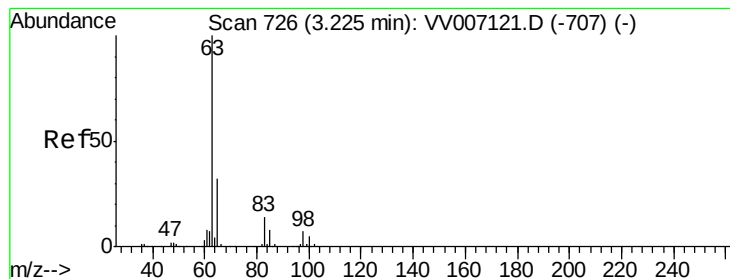
Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Tgt Ion:	73	Resp:	595818
Ion	Ratio	Lower	Upper
73	100		
43	17.0	13.6	20.4
57	20.8	16.6	25.0





#19

1,1-Dichloroethane

Concen: 59.451 ug/L

RT: 3.22 min Scan# 726

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :

MSVOA_V

ClientSampleId :

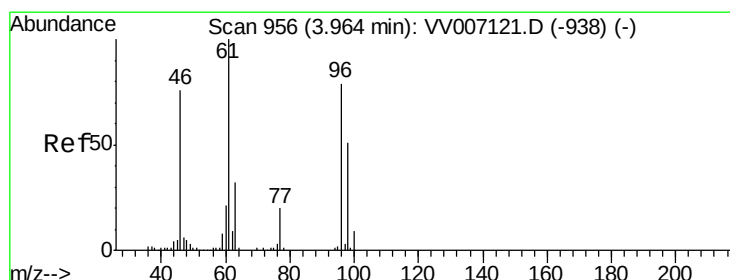
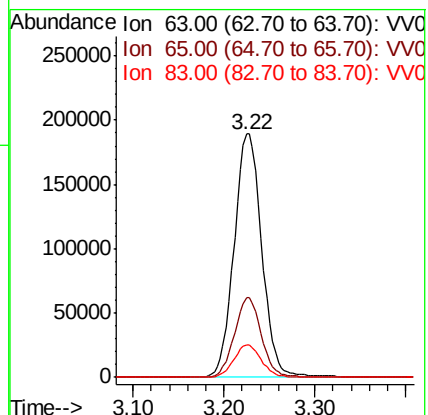
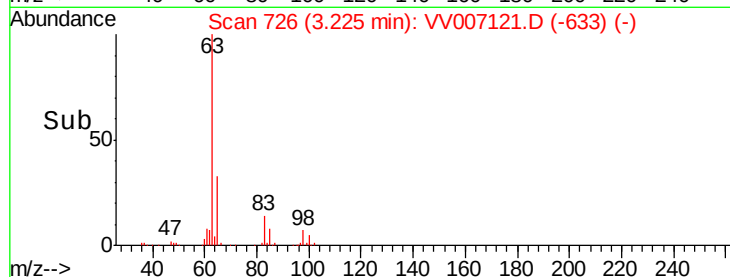
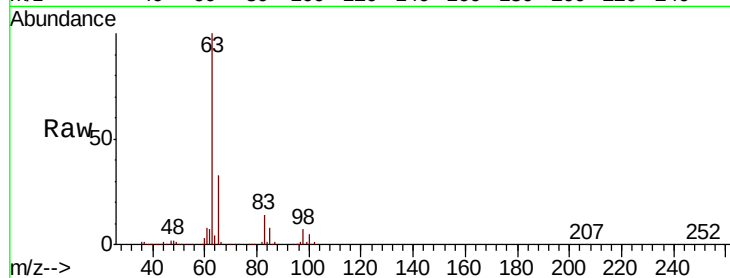
Tot Ion: 63 Resp: 400106

Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.3

83 13.5 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 58.150 ug/L

RT: 3.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

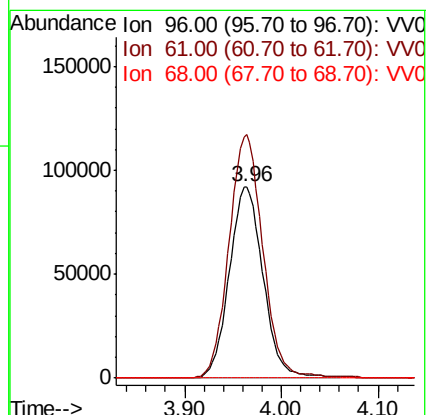
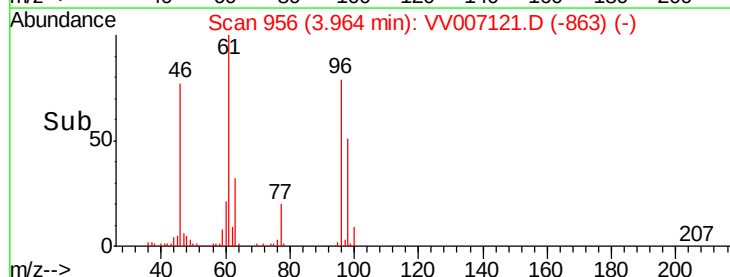
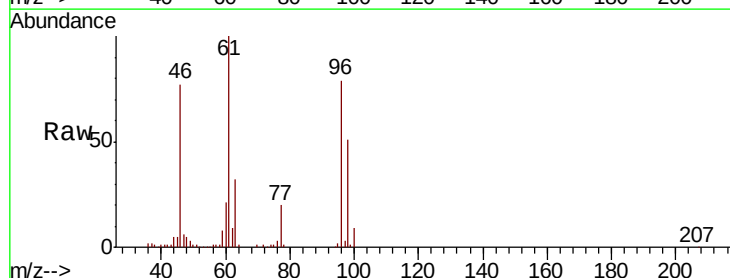
Tgt Ion: 96 Resp: 223659

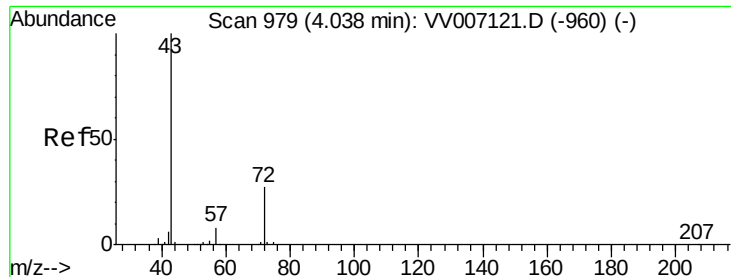
Ion Ratio Lower Upper

96 100

61 127.2 89.0 165.4

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 114.353 ug/L

RT: 4.04 min Scan# 979

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

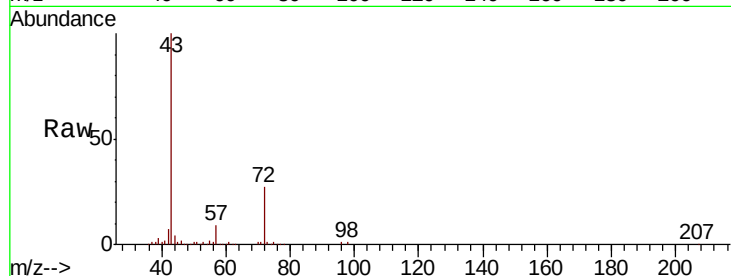
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 383422

Ion Ratio Lower Upper

43 100

72 27.2 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VV007121.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VV007121.D (-960) (-)

4.04

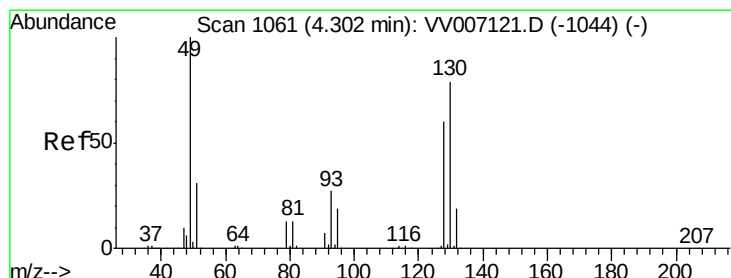
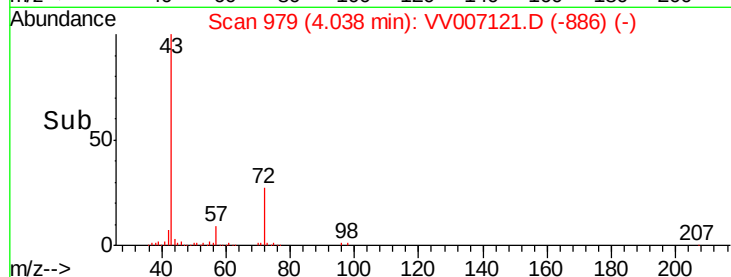
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 61.682 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Tgt Ion:128 Resp: 118342

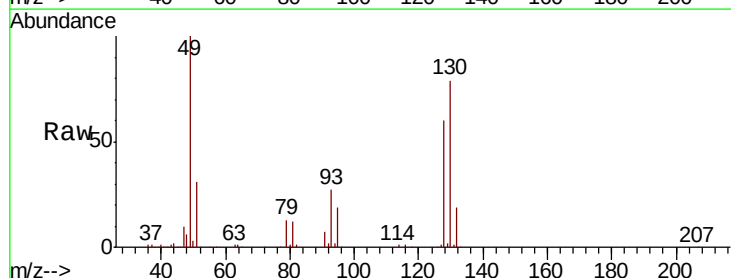
Ion Ratio Lower Upper

128 100

49 166.3 116.4 216.2

130 130.9 91.6 170.2

51 51.8 41.4 62.2



Abundance Ion 128.00 (127.70 to 128.70): VV007121.D (-1044) (-)

Ion 49.00 (48.70 to 49.70): VV007121.D (-1044) (-)

Ion 130.00 (129.70 to 130.70): VV007121.D (-1044) (-)

Ion 51.00 (50.70 to 51.70): VV007121.D (-1044) (-)

4.30

120000

100000

80000

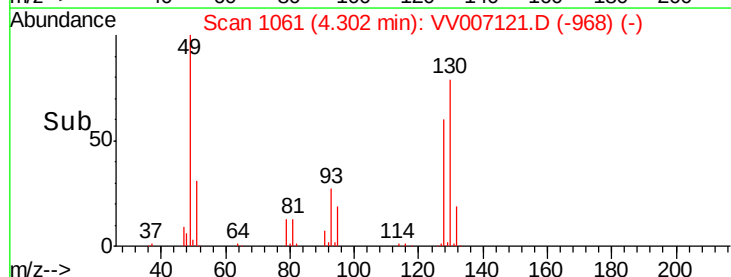
60000

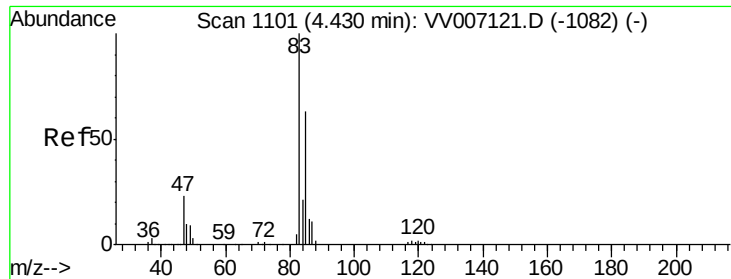
40000

20000

0

Time-->

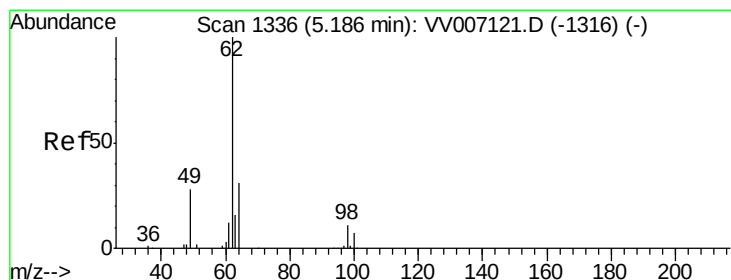
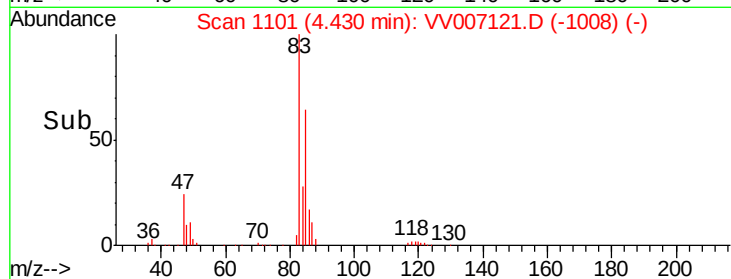
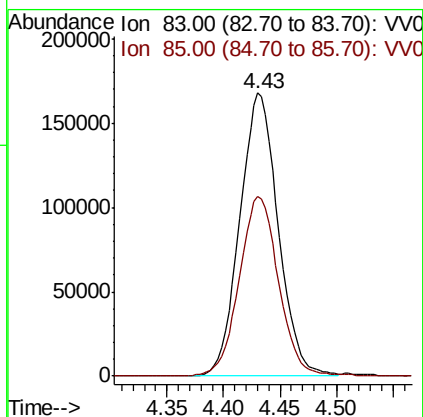
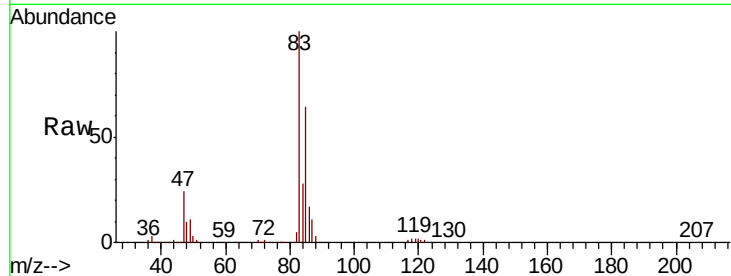




#25
Chloroform
Concen: 55.473 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV007121.D
Acq: 22 Aug 2018 14:58

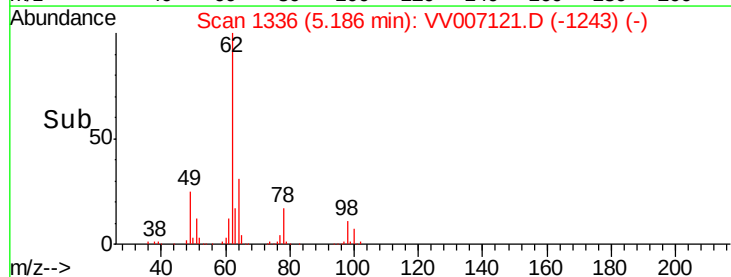
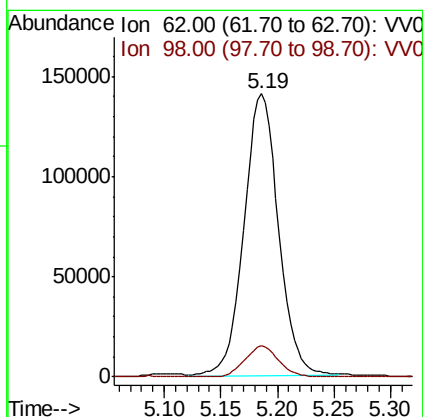
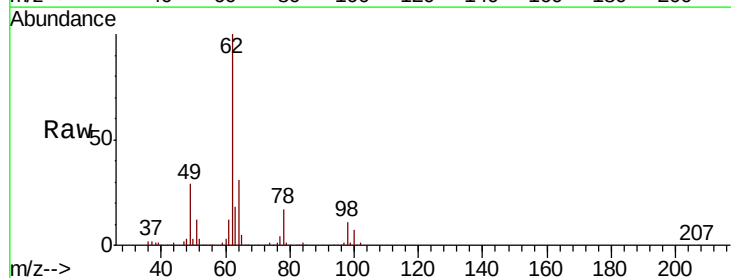
Instrument :
MSVOA_V
ClientSampleId :

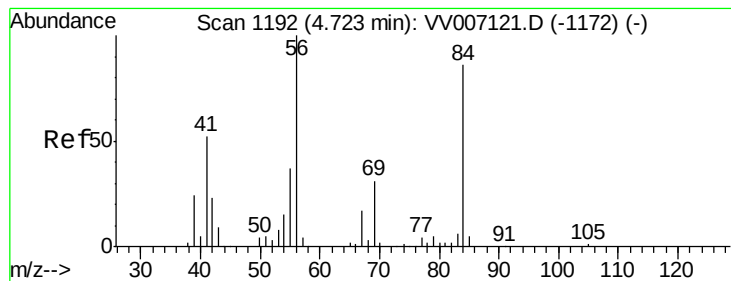
Tot Ion: 83 Resp: 396210
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 48.582 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007121.D
Acq: 22 Aug 2018 14:58

Tgt Ion: 62 Resp: 298618
Ion Ratio Lower Upper
62 100
98 10.9 8.7 13.1





#29

Cyclohexane

Concen: 56.319 ug/L

RT: 4.72 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :
MSVOA_V
ClientSampleId :

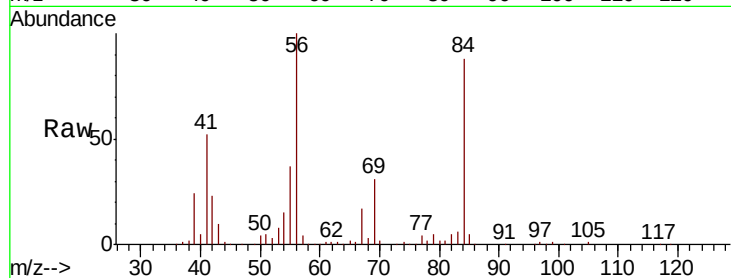
Tot Ion: 56 Resp: 322101

Ion Ratio Lower Upper

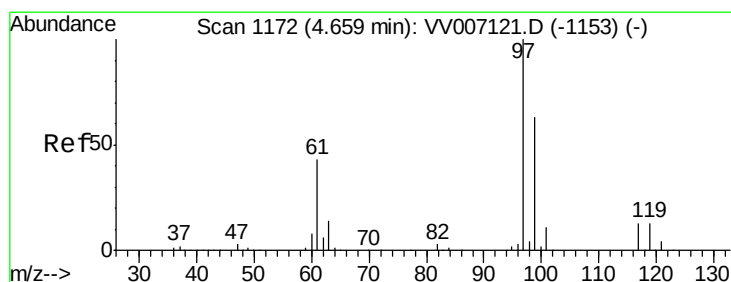
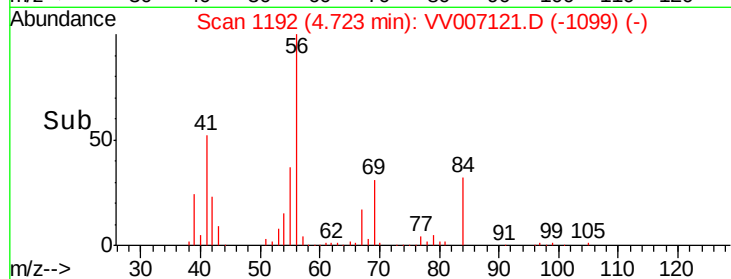
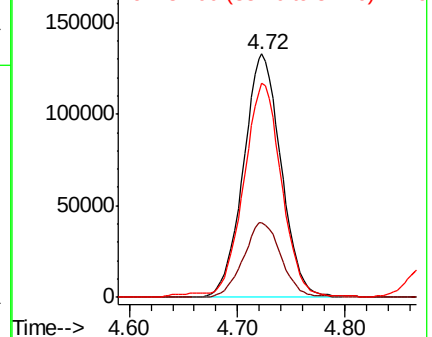
56 100

69 30.6 24.5 36.7

84 86.3 69.0 103.6



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



#30

1,1,1-Trichloroethane

Concen: 50.648 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

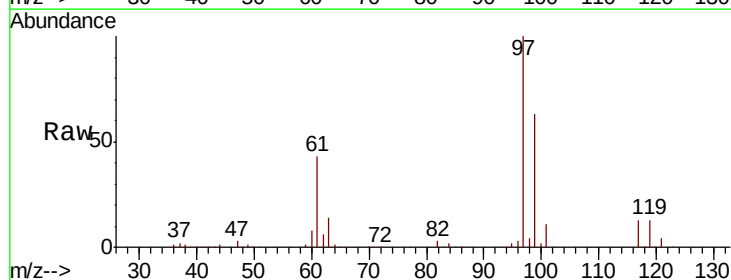
Tgt Ion: 97 Resp: 321547

Ion Ratio Lower Upper

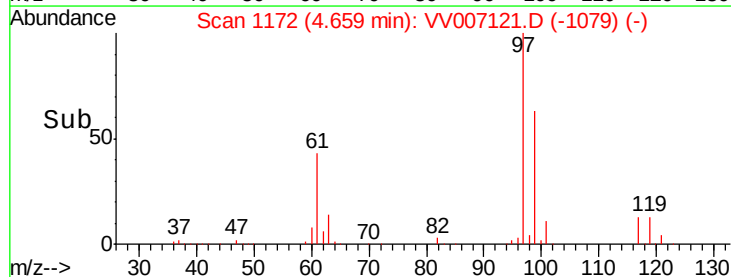
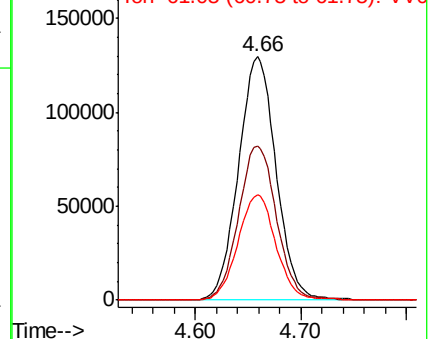
97 100

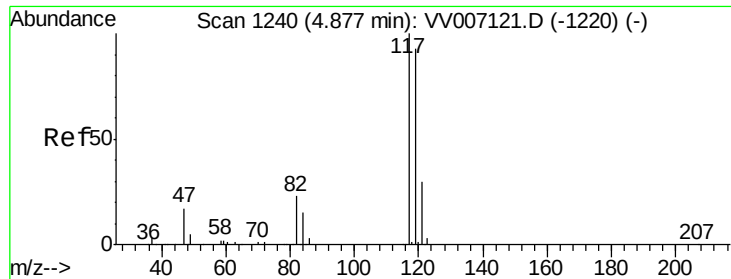
99 64.1 51.3 76.9

61 43.5 34.8 52.2



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.014 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

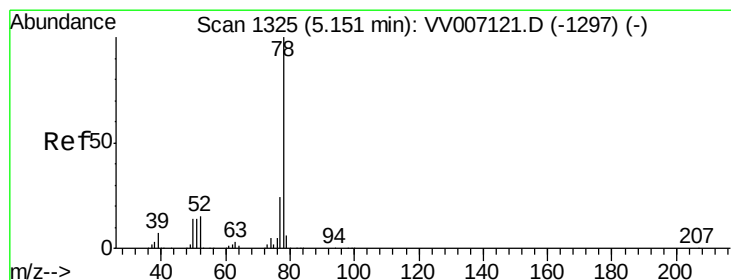
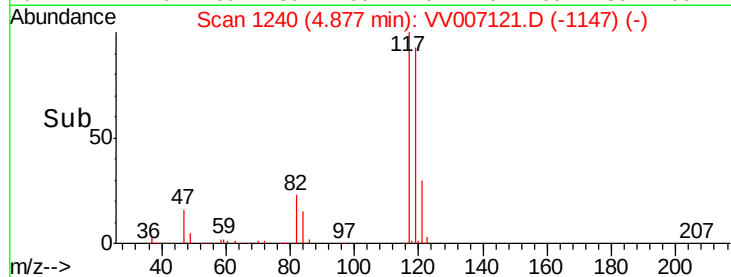
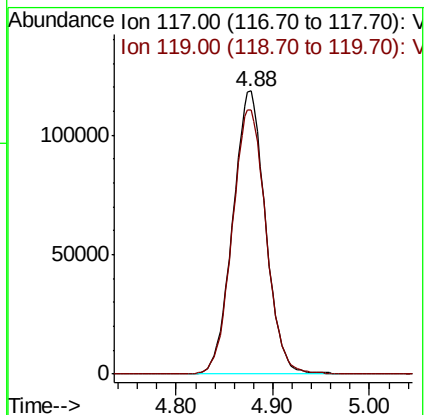
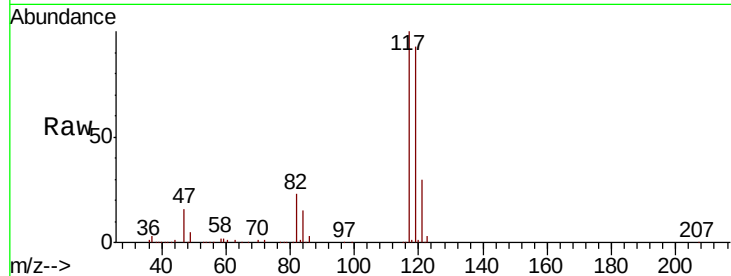
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 276727

Ion Ratio Lower Upper

117 100

119 96.8 77.4 116.2



#33

Benzene

Concen: 59.168 ug/L

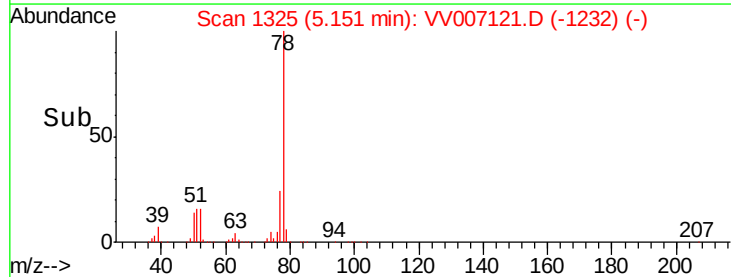
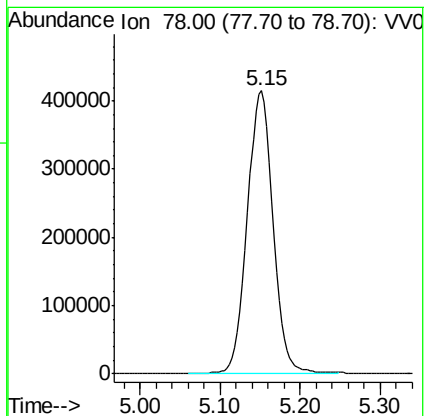
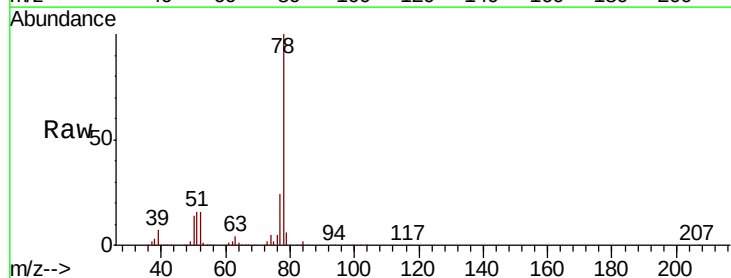
RT: 5.15 min Scan# 1325

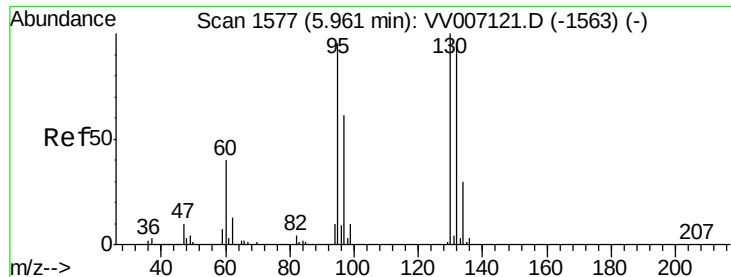
Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Tgt Ion: 78 Resp: 908219





#34

Trichloroethene

Concen: 51.747 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 202453

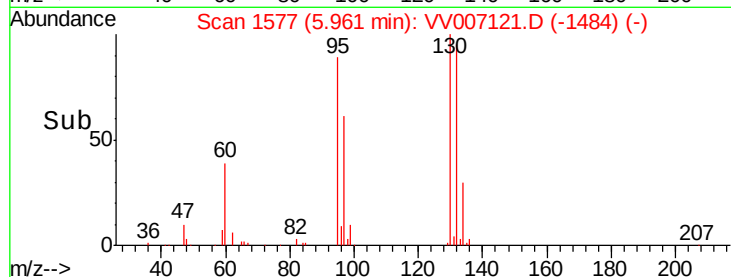
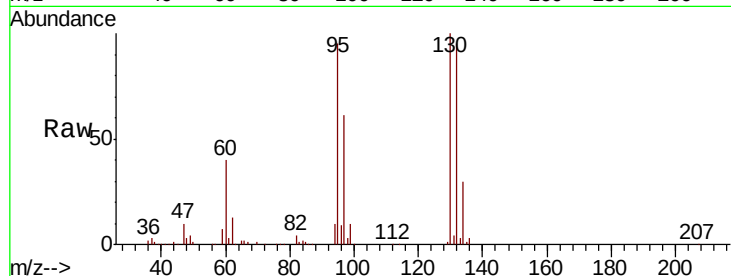
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 99.5 69.7 129.4

130 105.1 73.6 136.6



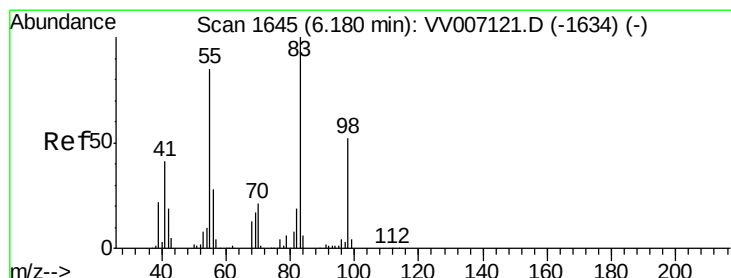
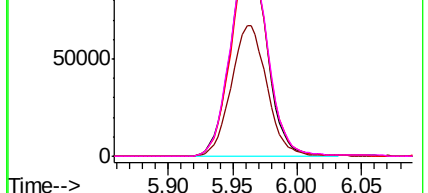
Abundance Ion 95.00 (94.70 to 95.70): VV007121.D (-1484) (-)

Ion 97.00 (96.70 to 97.70): VV007121.D (-1484) (-)

Ion 132.00 (131.70 to 132.70): VV007121.D (-1484) (-)

Ion 130.00 (129.70 to 130.70): VV007121.D (-1484) (-)

Time-->



#35

Methylcyclohexane

Concen: 55.441 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

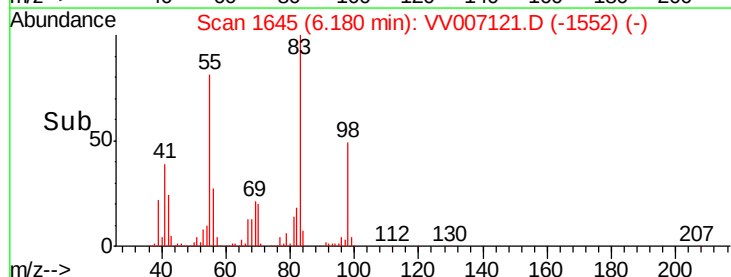
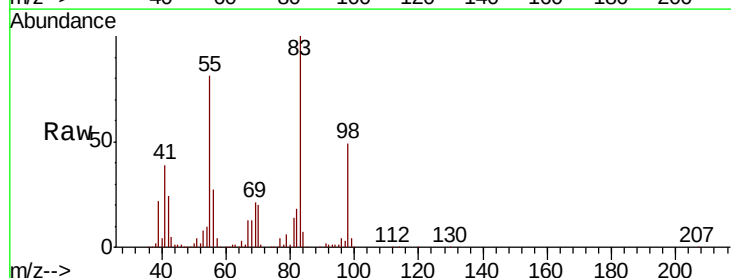
Tgt Ion: 83 Resp: 329000

Ion Ratio Lower Upper

83 100

55 81.9 65.5 98.3

98 49.0 39.2 58.8

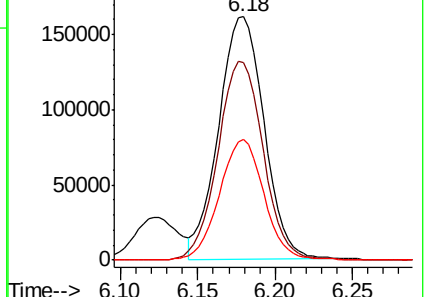


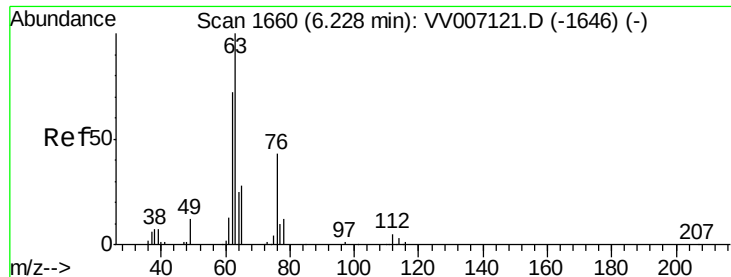
Abundance Ion 83.00 (82.70 to 83.70): VV007121.D (-1552) (-)

Ion 55.00 (54.70 to 55.70): VV007121.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VV007121.D (-1552) (-)

Time-->

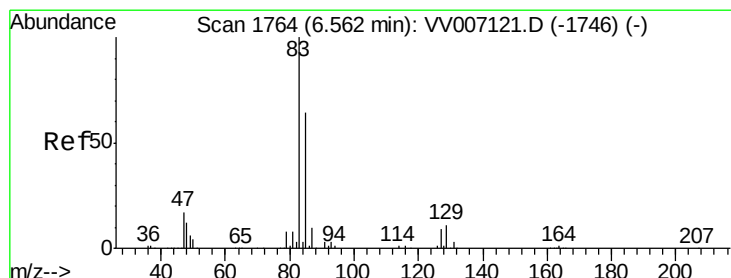
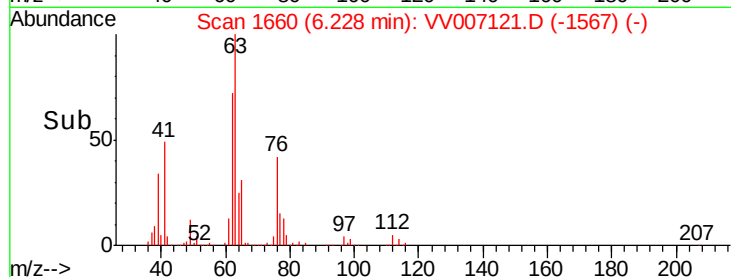
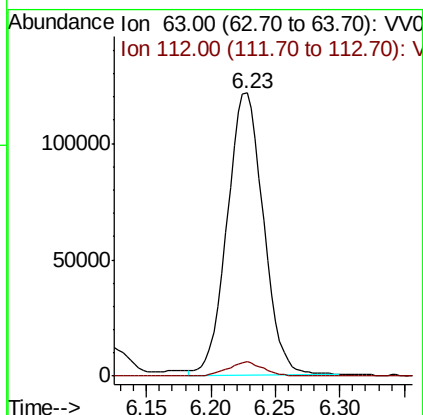
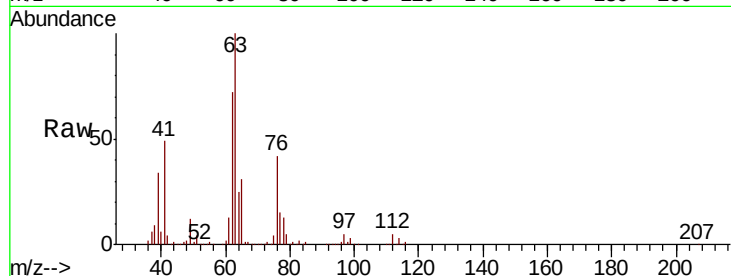




#37
 1,2-Dichloropropane
 Concen: 56.858 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

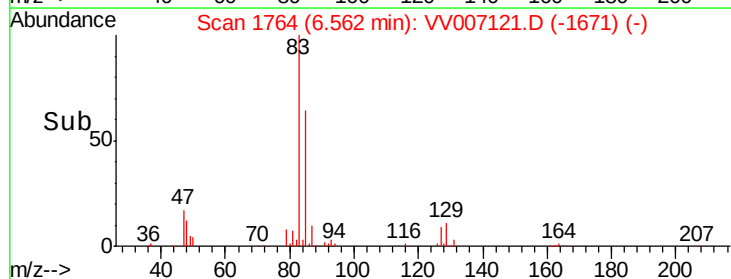
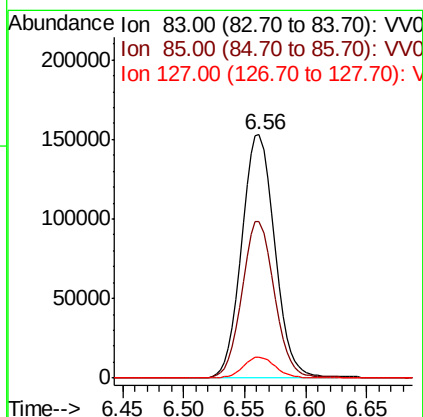
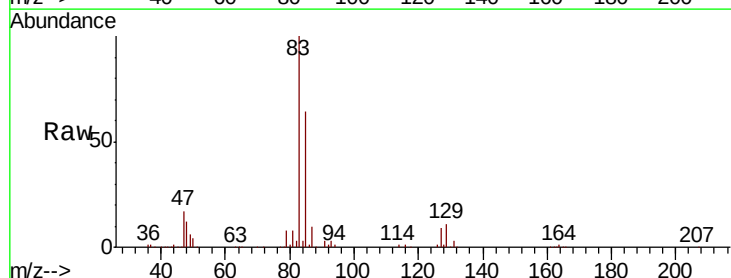
Instrument :
 MSVOA_V
 ClientSampled :

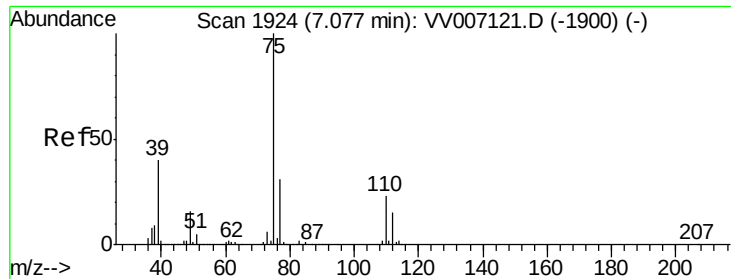
Tot Ion: 63 Resp: 236710
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.0 6.0



#38
 Bromodichloromethane
 Concen: 54.294 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

Tgt Ion: 83 Resp: 287047
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.3
 127 8.7 7.0 10.4

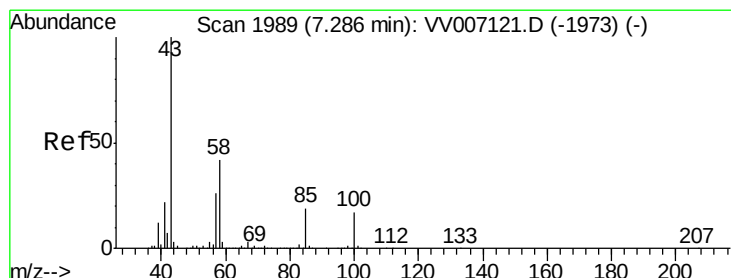
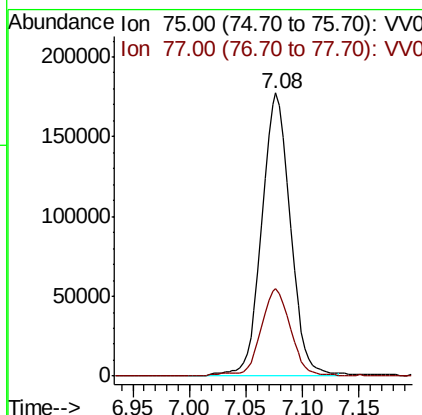
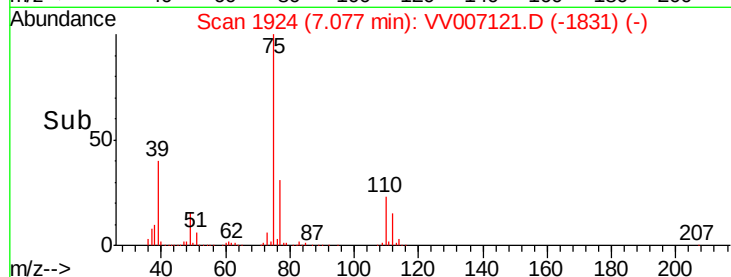
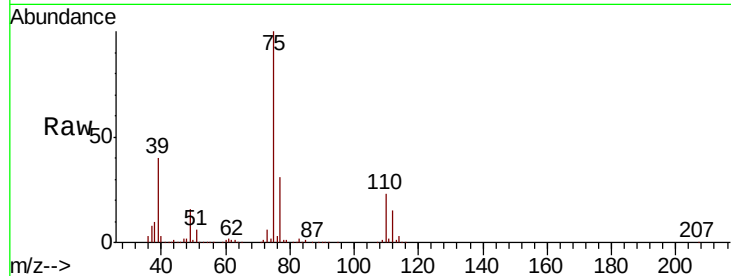




#39
 cis-1,3-Dichloropropene
 Concen: 53.086 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

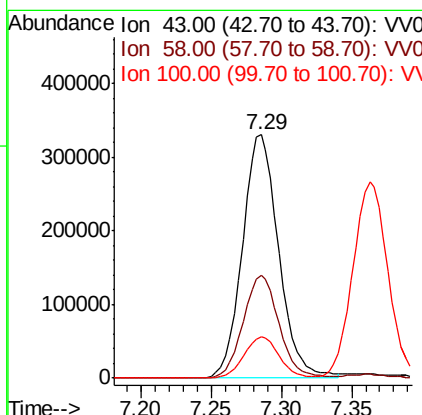
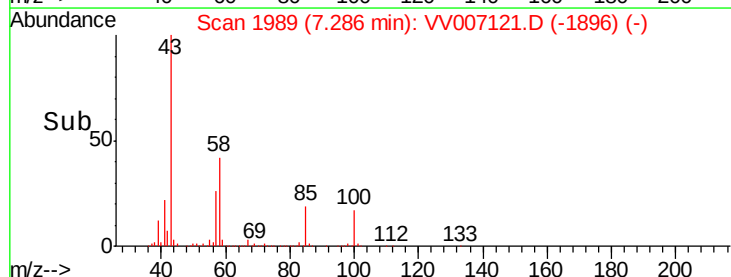
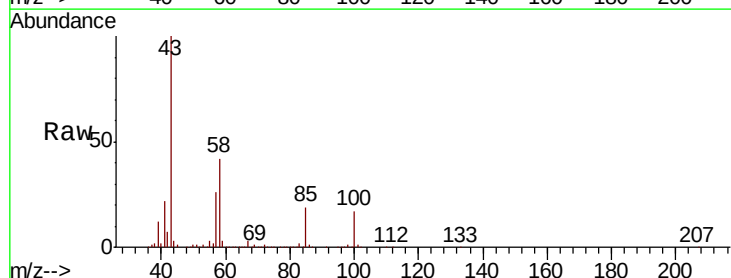
Instrument :
 MSVOA_V
 ClientSampleId :

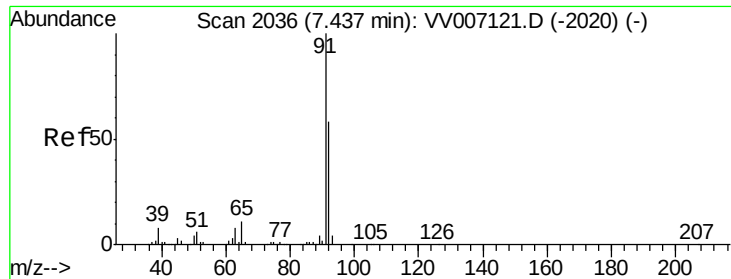
Tot Ion: 75 Resp: 313080
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 98.977 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

Tgt Ion: 43 Resp: 595586
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.4 50.0
 100 16.4 13.1 19.7





#42

Toluene

Concen: 55.481 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

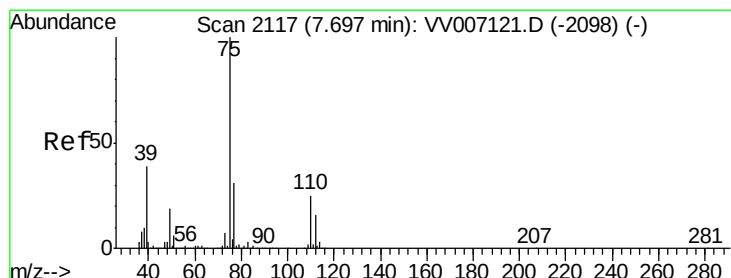
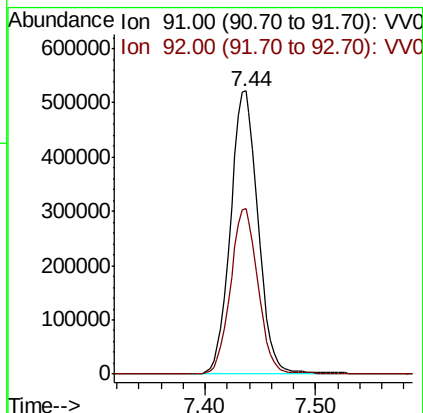
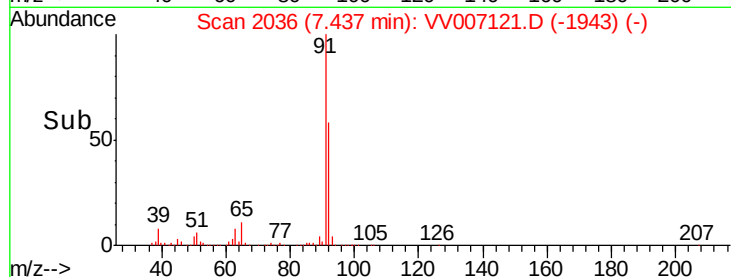
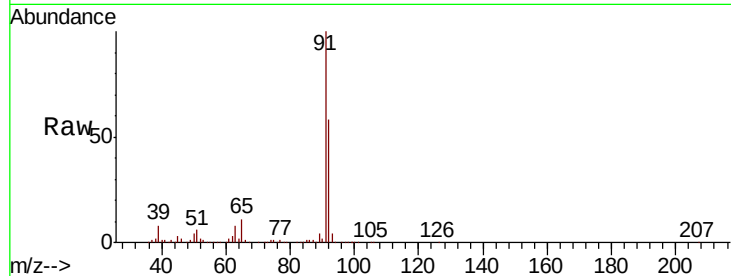
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 904229

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 53.242 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VV007121.D

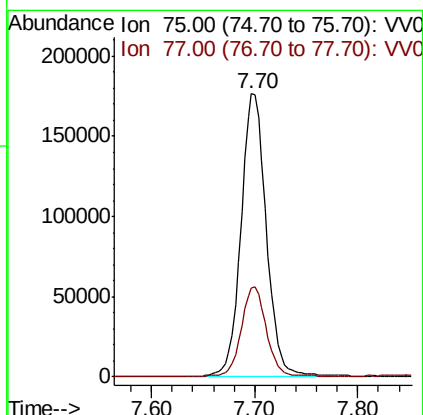
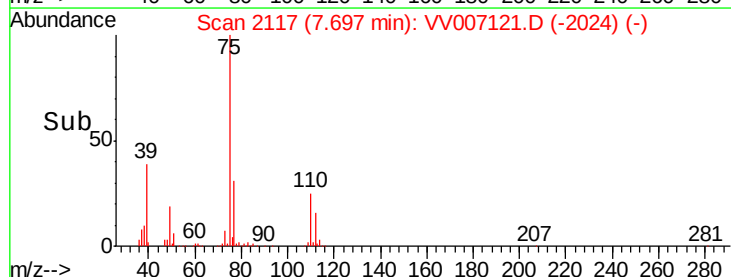
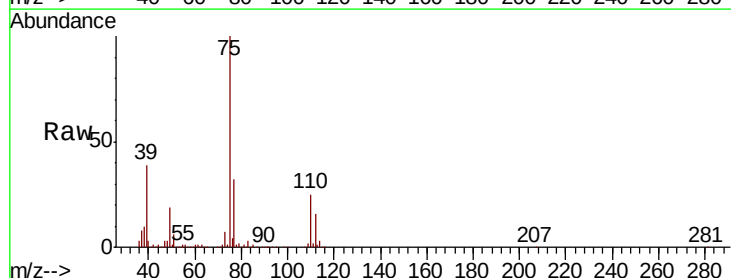
Acq: 22 Aug 2018 14:58

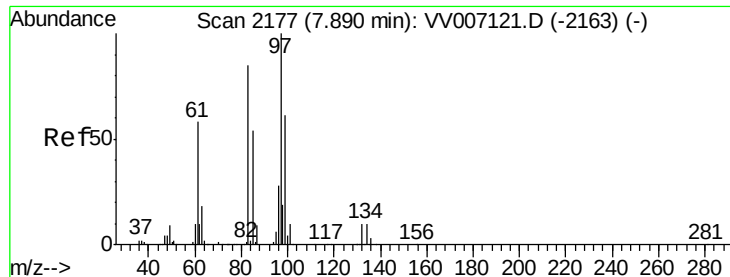
Tgt Ion: 75 Resp: 303089

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0

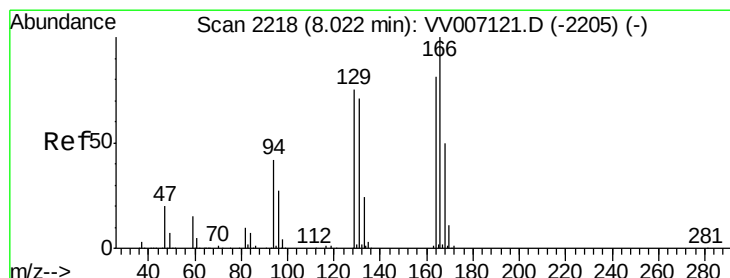
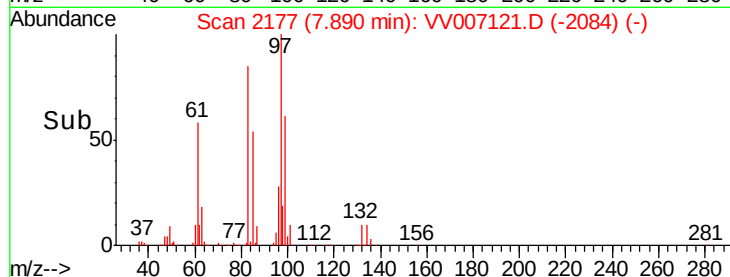
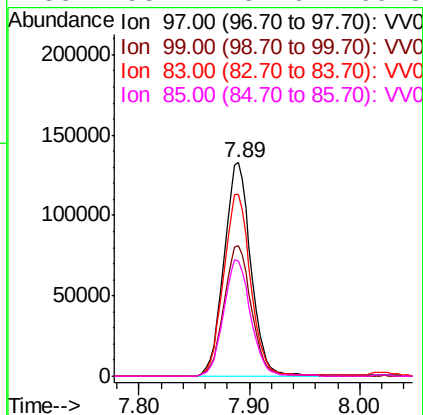
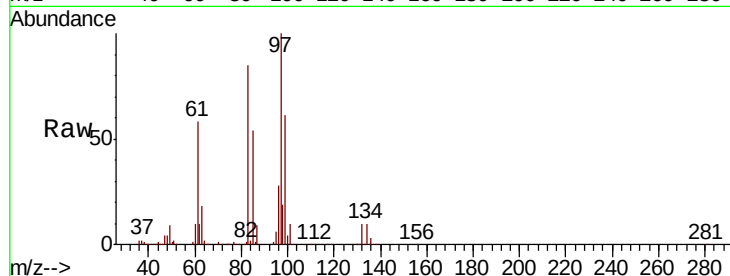




#45
 1,1,2-Trichloroethane
 Concen: 56.841 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

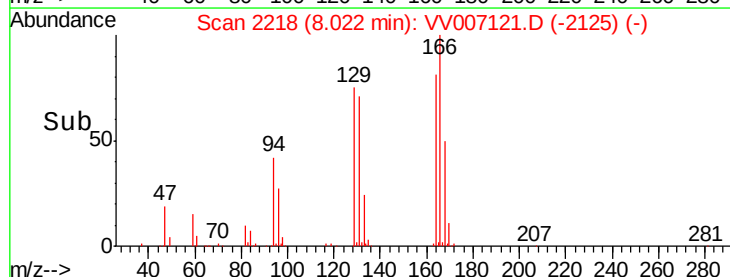
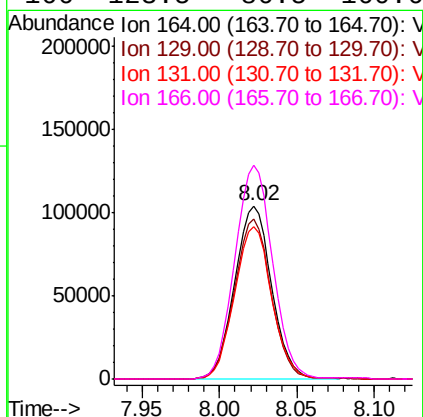
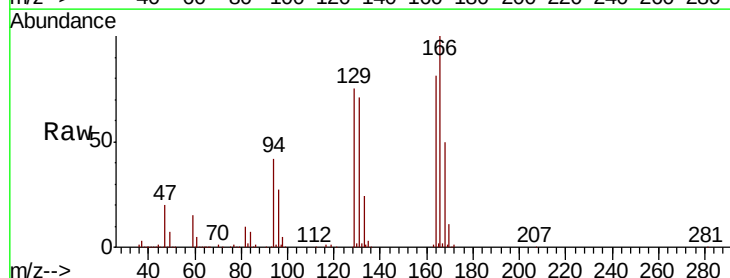
Instrument :
 MSVOA_V
 ClientSampleId :

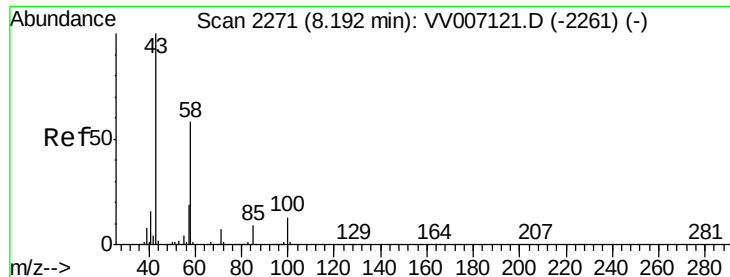
Tot Ion:	97	Resp:	225485
Ion	Ratio	Lower	Upper
97	100		
99	61.1	42.8	79.4
83	85.2	59.6	110.8
85	53.7	37.6	69.8



#46
 Tetrachloroethene
 Concen: 56.189 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

Tgt Ion:	164	Resp:	172336
Ion	Ratio	Lower	Upper
164	100		
129	92.2	64.5	119.9
131	88.2	61.7	114.7
166	123.5	86.5	160.6

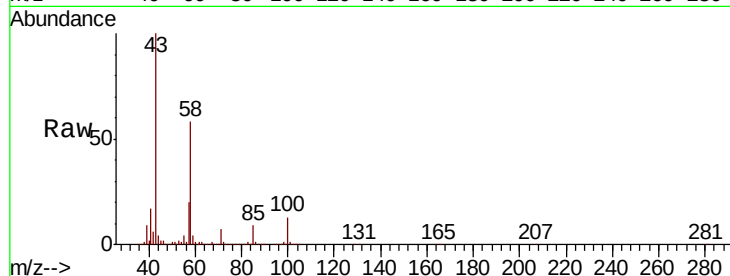




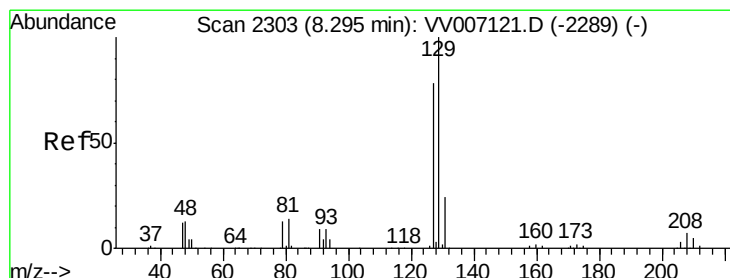
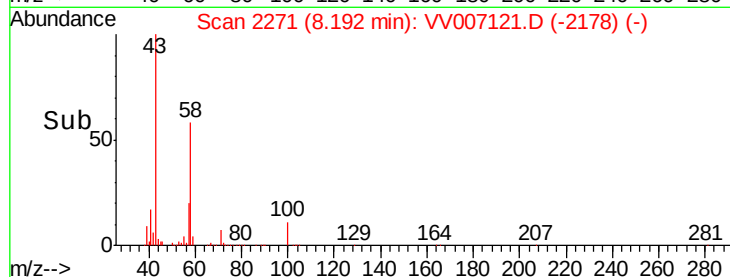
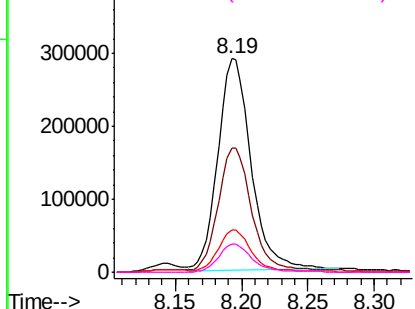
#48
2-Hexanone
Concen: 101.529 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007121.D
Acq: 22 Aug 2018 14:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 504889
Ion Ratio Lower Upper
43 100
58 59.9 47.9 71.9
57 19.8 15.8 23.8
100 13.3 10.6 16.0

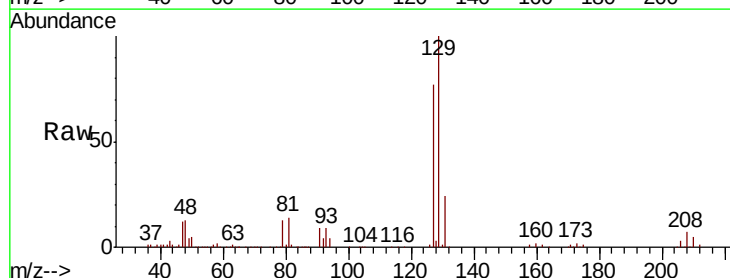


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

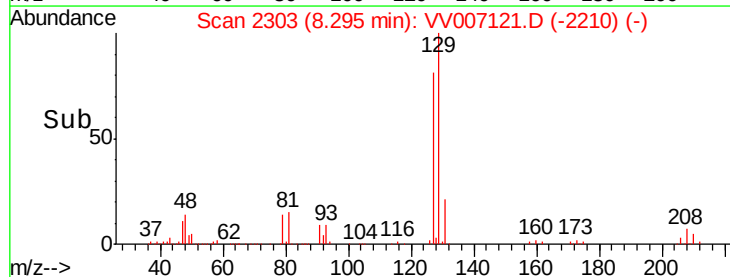
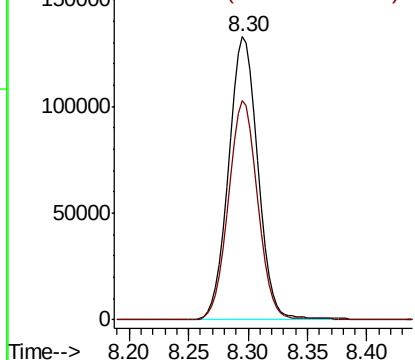


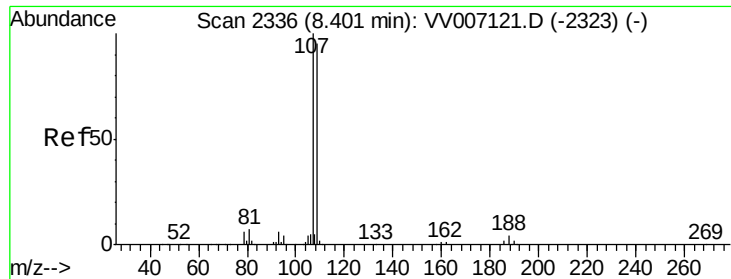
#49
Dibromochloromethane
Concen: 55.723 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007121.D
Acq: 22 Aug 2018 14:58

Tgt Ion: 129 Resp: 226608
Ion Ratio Lower Upper
129 100
127 77.5 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

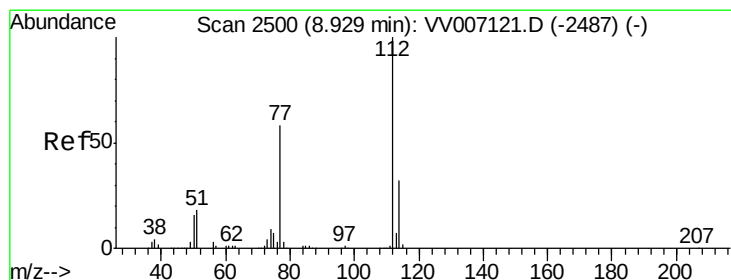
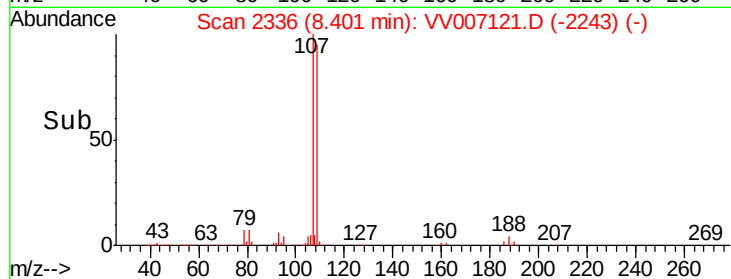
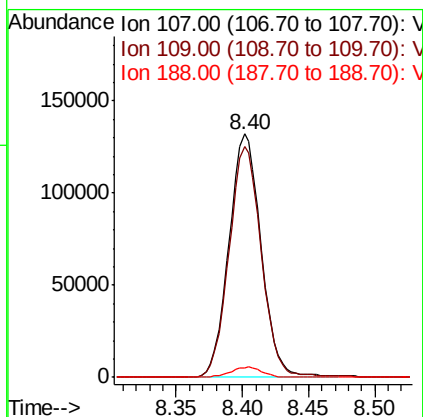
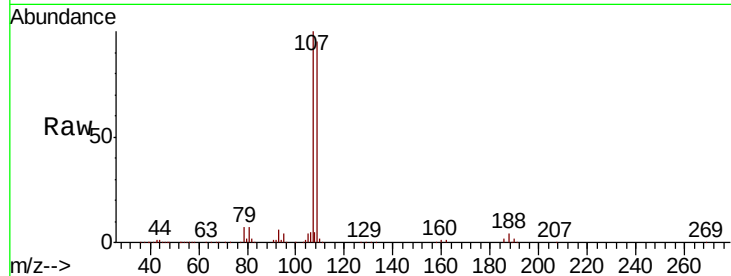




#50
 1,2-Dibromoethane
 Concen: 54.193 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

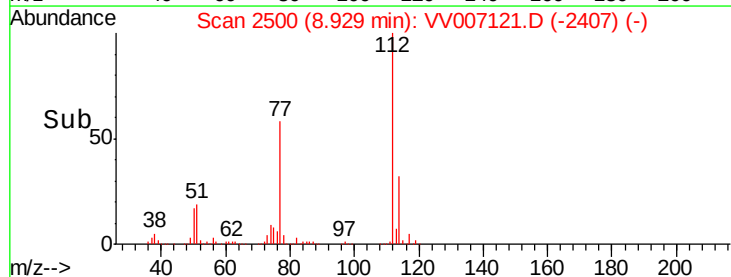
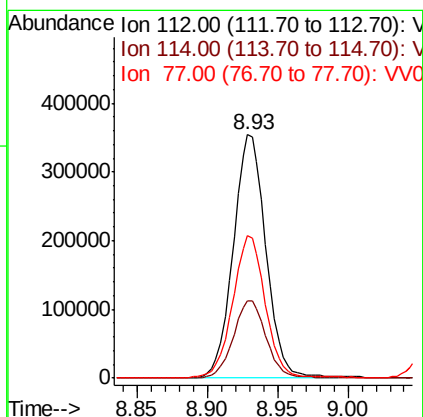
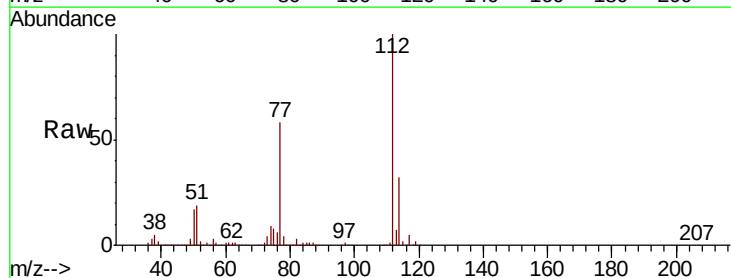
Instrument :
 MSVOA_V
 ClientSampleId :

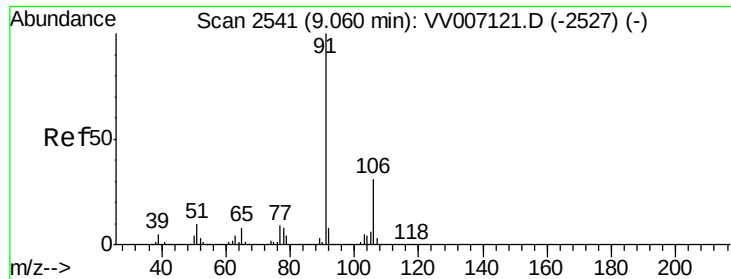
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	66.5	123.5
188	4.1	3.3	4.9



#51
 Chlorobenzene
 Concen: 52.954 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.3
77	58.3	46.6	70.0





#52

Ethylbenzene

Concen: 49.957 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :

MSVOA_V

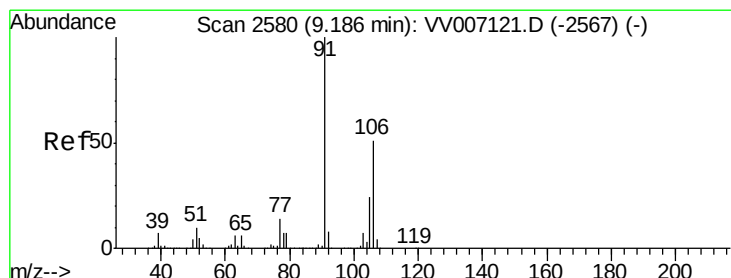
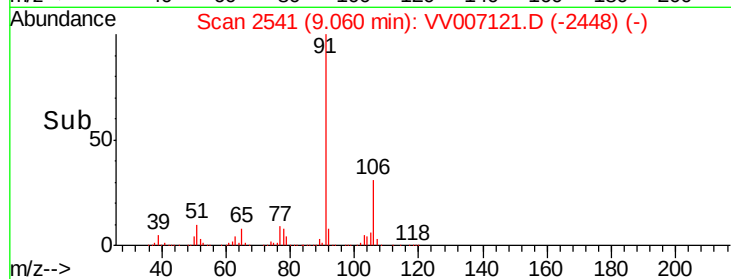
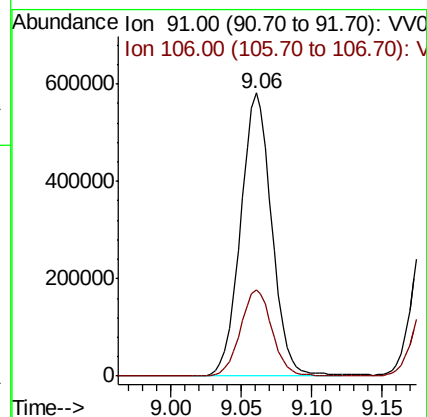
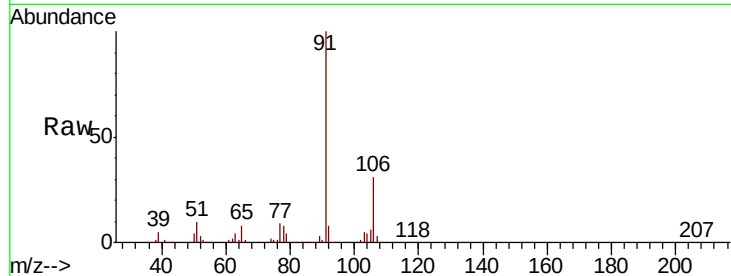
ClientSampleId :

Tot Ion: 91 Resp: 899654

Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



#53

m,p-Xylene

Concen: 52.587 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007121.D

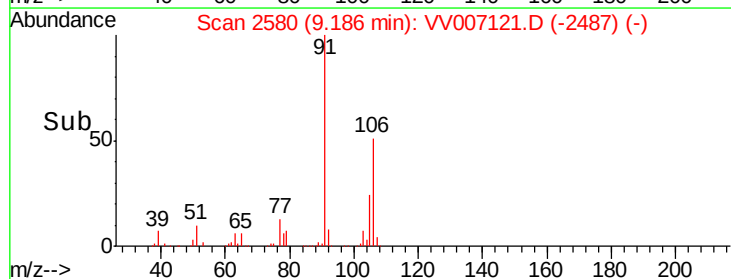
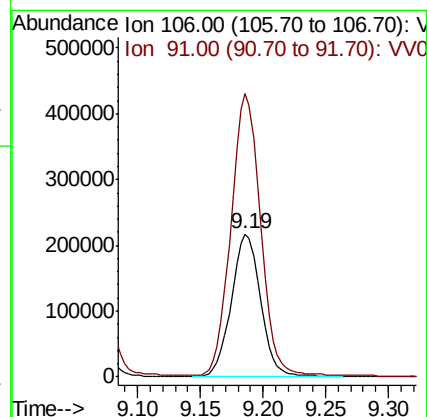
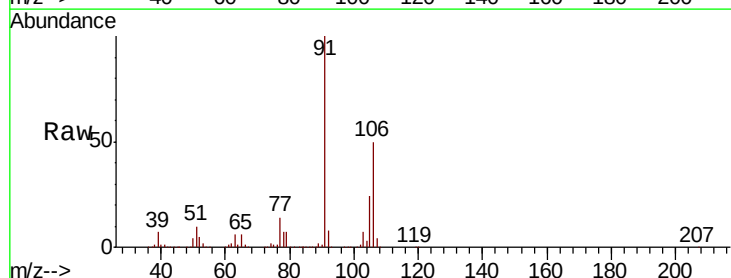
Acq: 22 Aug 2018 14:58

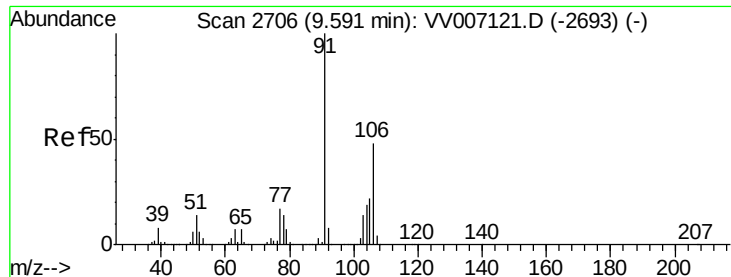
Tgt Ion: 106 Resp: 348643

Ion Ratio Lower Upper

106 100

91 198.1 138.7 257.5





#54

o-xylene

Concen: 51.585 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

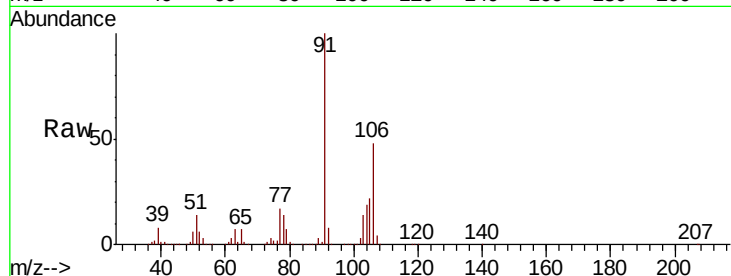
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 343217

Ion Ratio Lower Upper

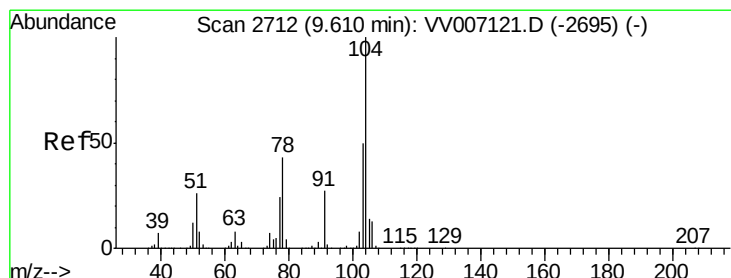
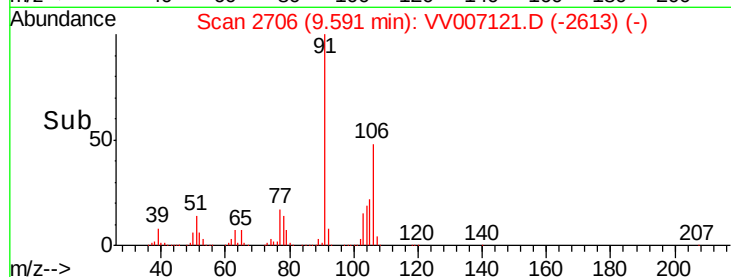
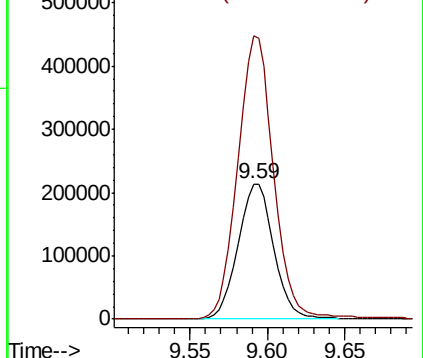
106 100

91 209.0 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.009 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007121.D

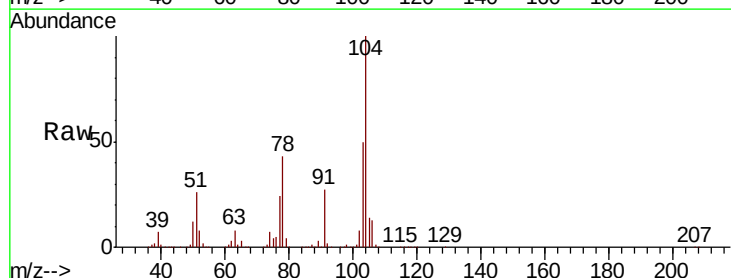
Acq: 22 Aug 2018 14:58

Tgt Ion:104 Resp: 619593

Ion Ratio Lower Upper

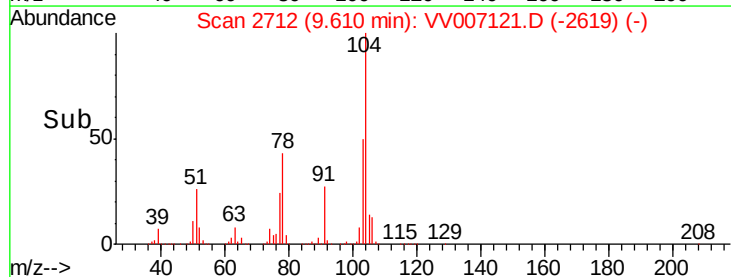
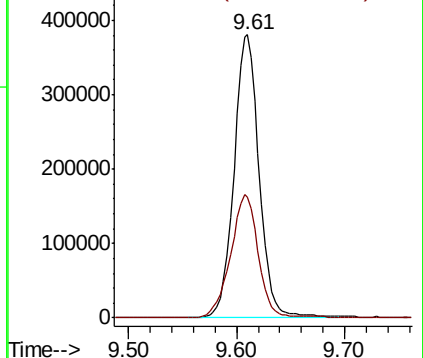
104 100

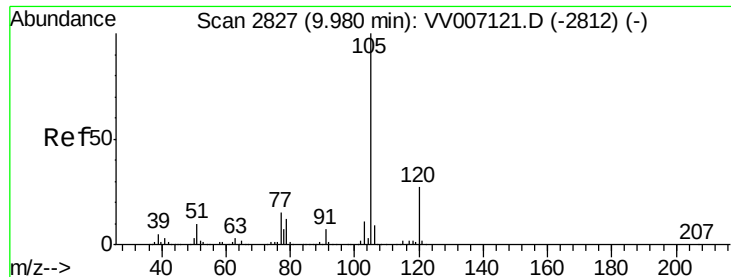
78 42.8 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.195 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :

MSVOA_V

ClientSampleId :

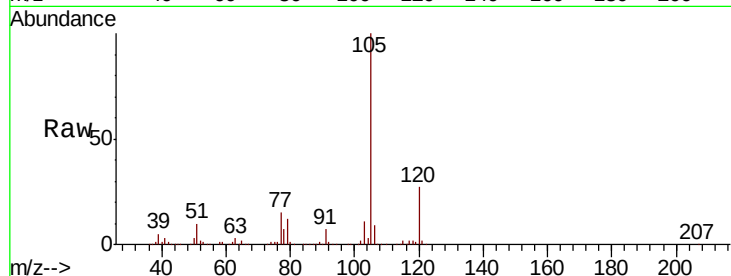
Tot Ion:105 Resp: 872722

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

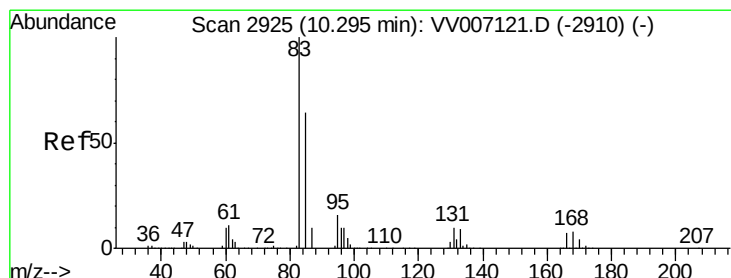
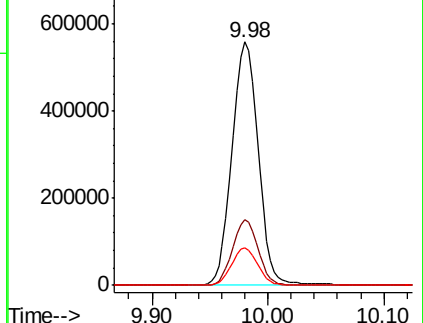
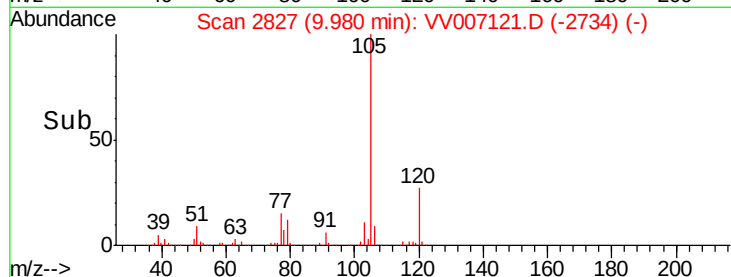
77 15.5 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 58.269 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

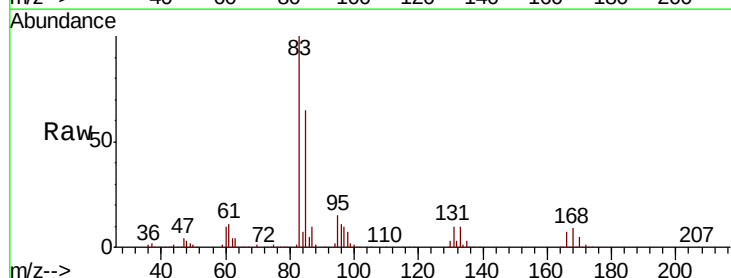
Tgt Ion: 83 Resp: 397381

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

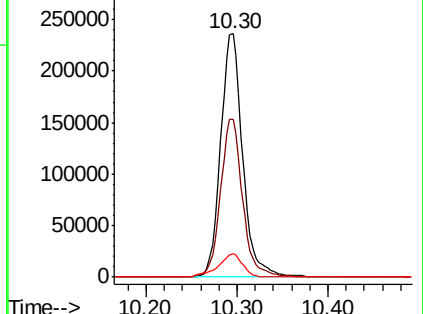
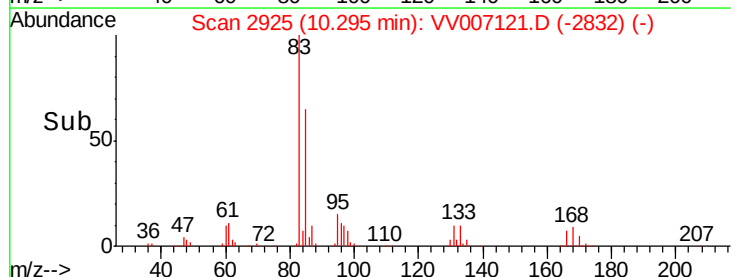
131 9.8 7.8 11.8

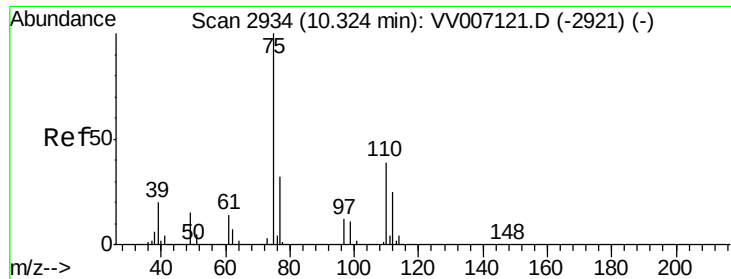


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

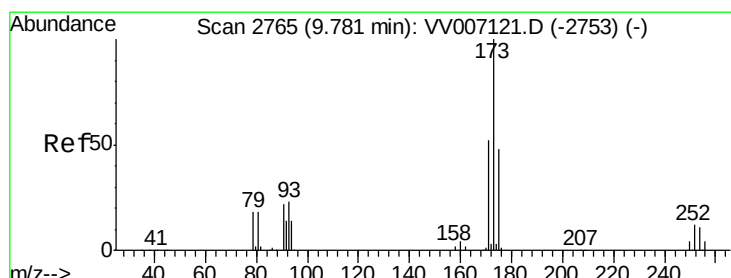
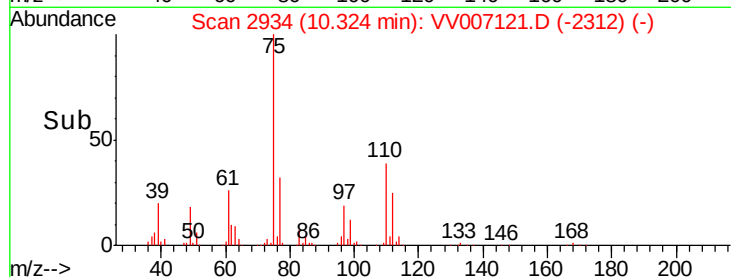
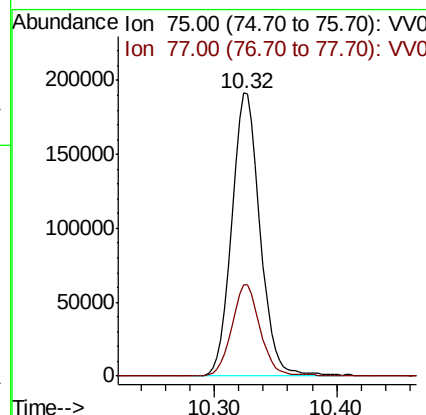
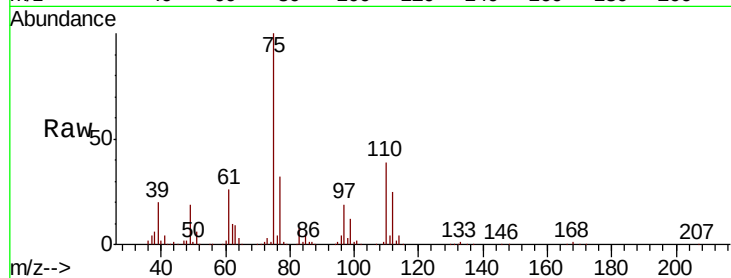




#59
 1,2,3-Trichloropropane
 Concen: 56.353 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

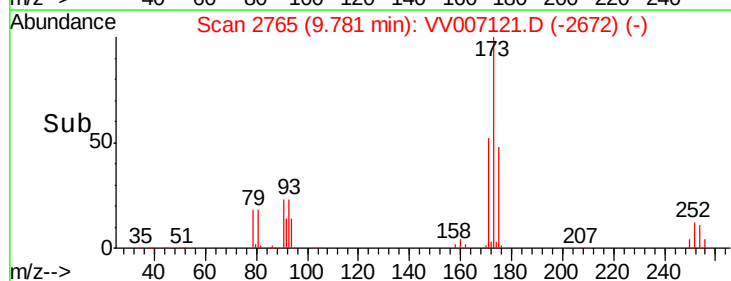
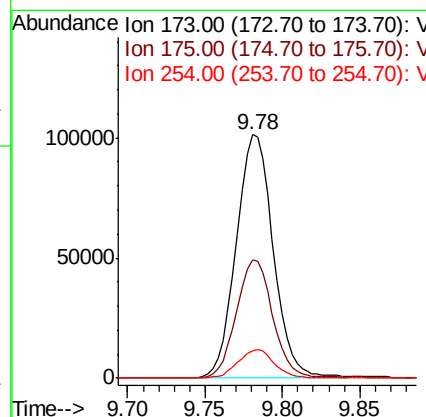
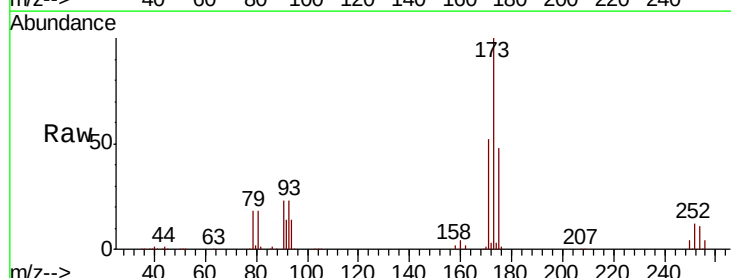
Instrument :
 MSVOA_V
 ClientSampleId :

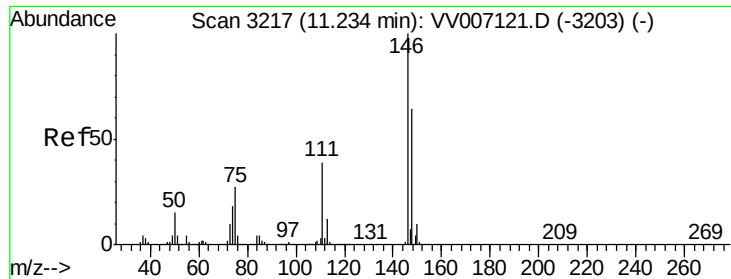
Tot Ion: 75 Resp: 310958
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#61
 Bromoform
 Concen: 60.785 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

Tgt Ion: 173 Resp: 168568
 Ion Ratio Lower Upper
 173 100
 175 47.4 37.9 56.9
 254 11.5 9.2 13.8





#62

1,3-Dichlorobenzene

Concen: 50.505 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :

MSVOA_V

ClientSampleId :

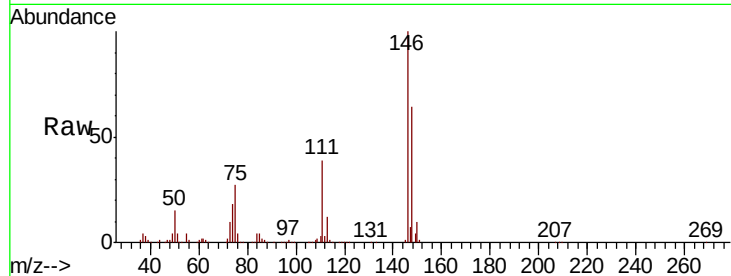
Tot Ion:146 Resp: 406759

Ion Ratio Lower Upper

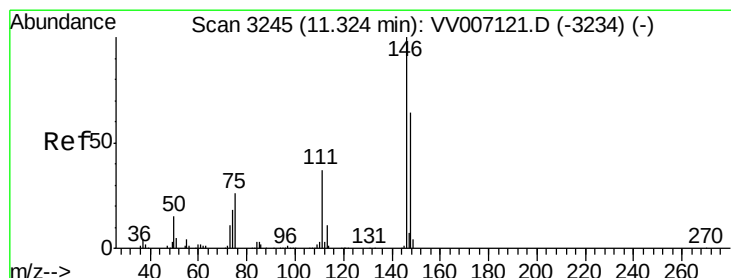
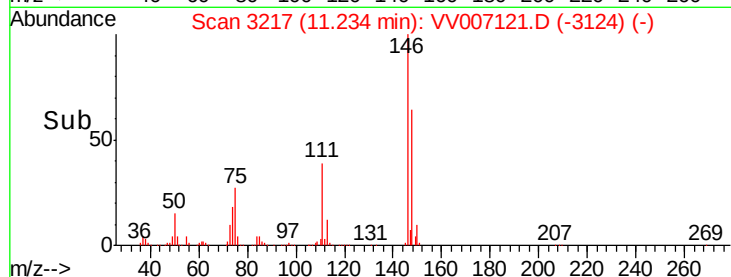
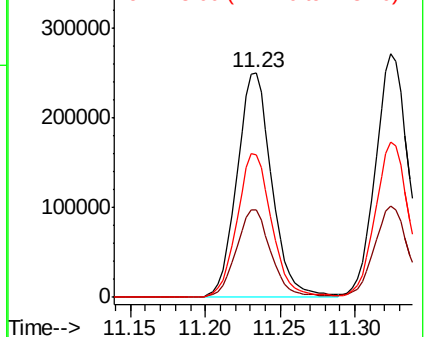
146 100

111 38.7 27.1 50.3

148 63.6 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.859 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

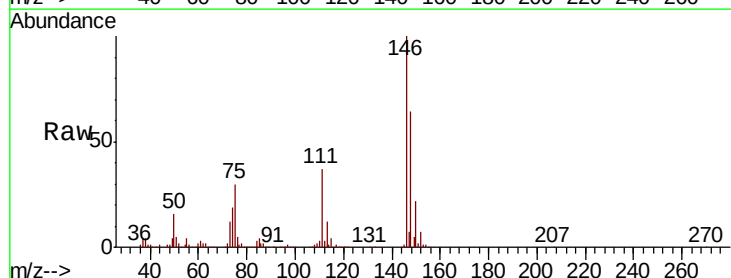
Tgt Ion:146 Resp: 432350

Ion Ratio Lower Upper

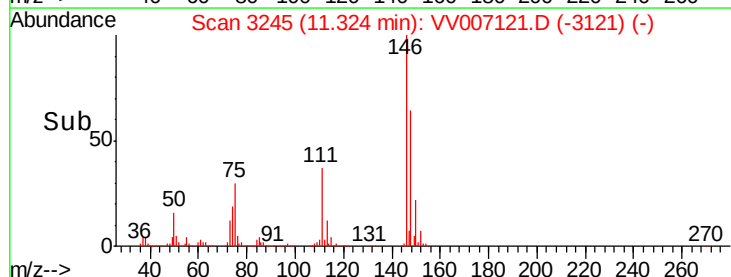
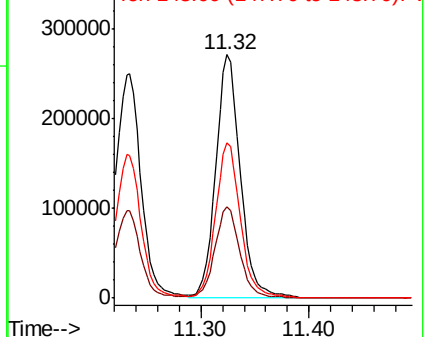
146 100

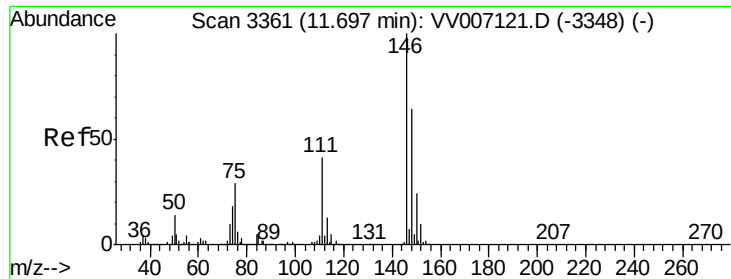
111 37.4 26.2 48.6

148 63.8 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

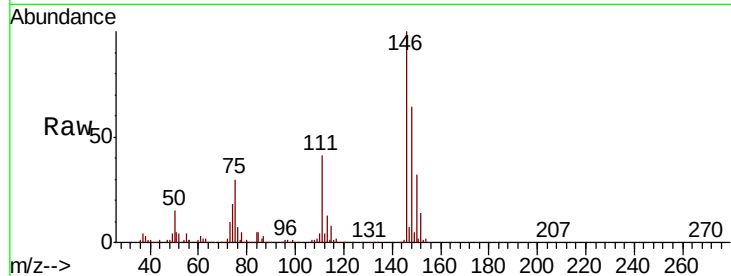




#65
 1,2-Dichlorobenzene
 Concen: 52.957 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.5	48.7
148	63.5	50.8	76.2

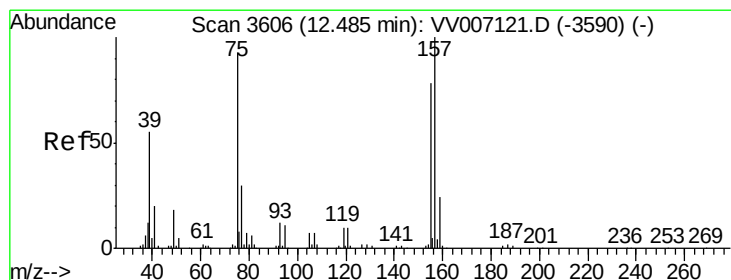
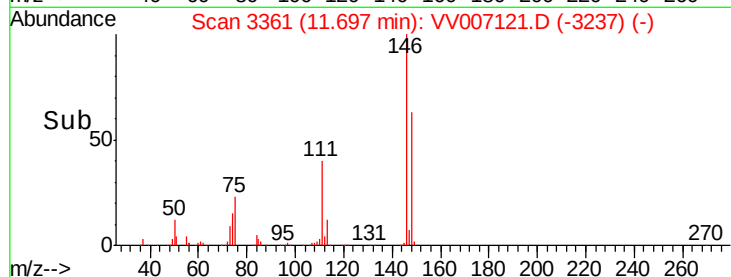
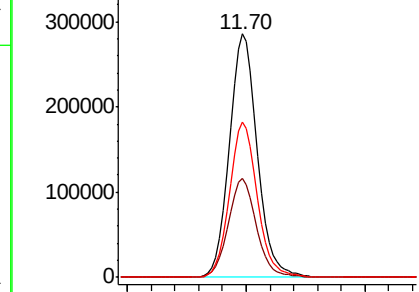


Abundance

Ion 146.00 (145.70 to 146.70): V

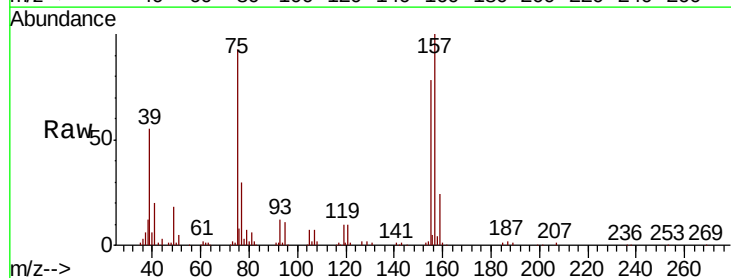
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.742 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	66.8	100.2
157	107.3	85.8	128.8

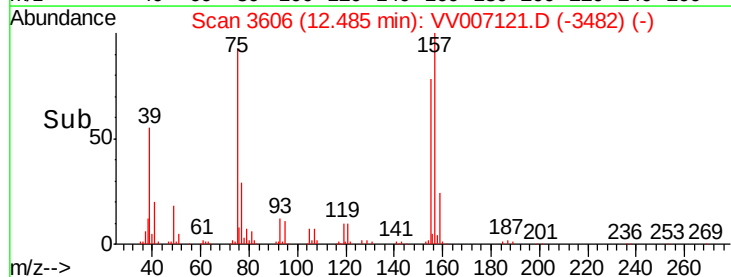
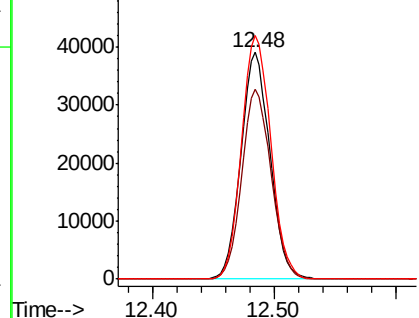


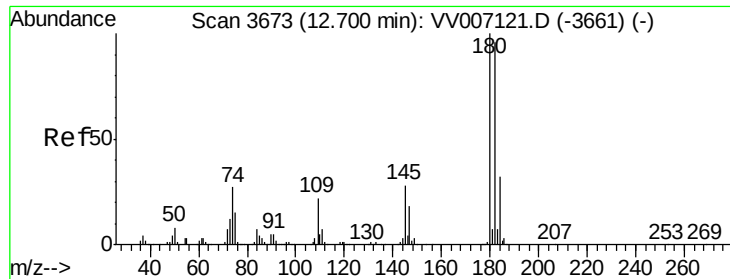
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

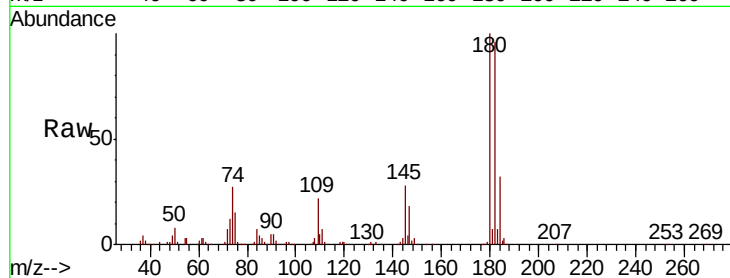




#67
 1,3,5-Trichlorobenzene
 Concen: 48.139 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	180	Resp	277425
Ion Ratio	100	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	30.8	24.6	37.0
145	28.2	22.6	33.8



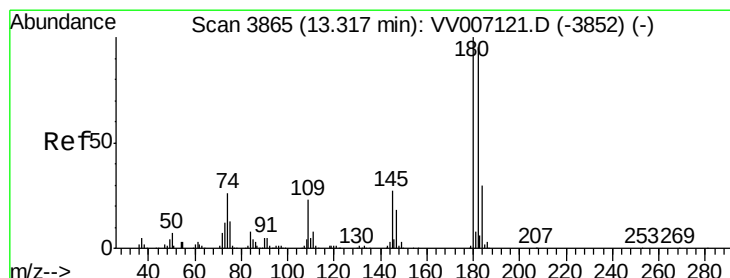
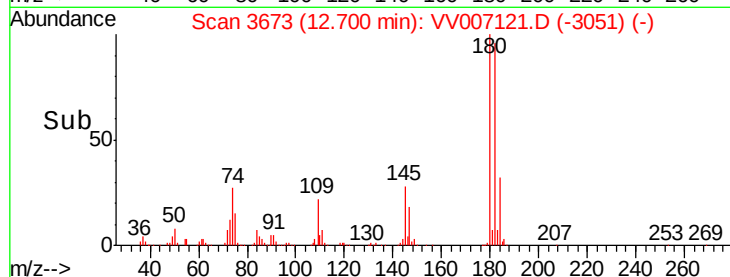
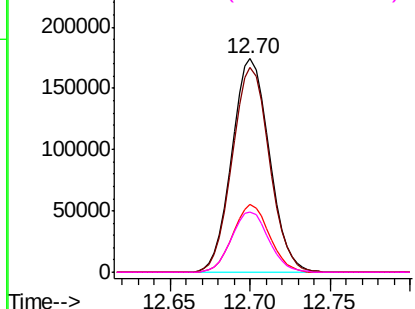
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

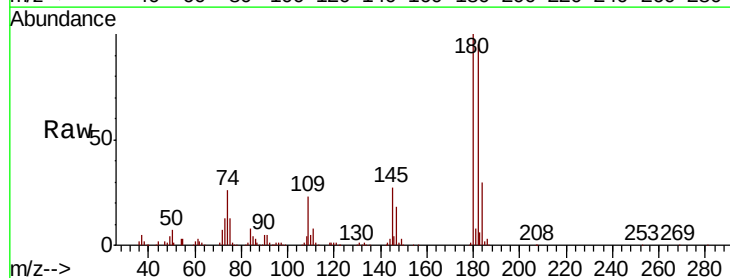
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 41.628 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007121.D
 Acq: 22 Aug 2018 14:58

Tgt Ion	180	Resp	192804
Ion Ratio	100	Lower	Upper
180	100		
182	96.3	77.0	115.6
145	28.4	22.7	34.1

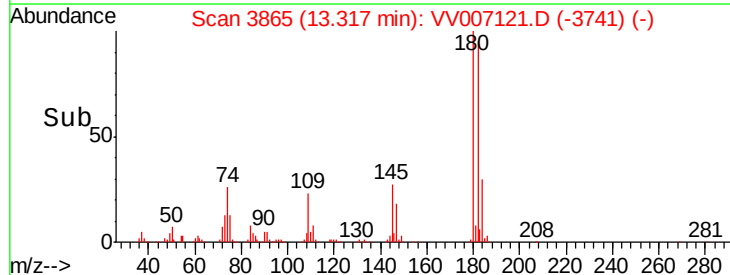
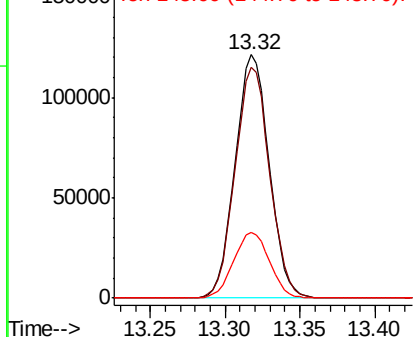


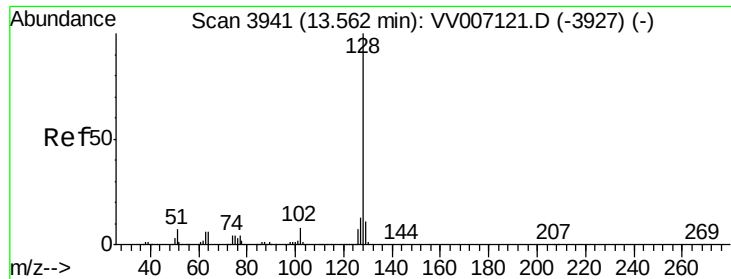
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 35.051 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

Instrument :

MSVOA_V

ClientSampleId :

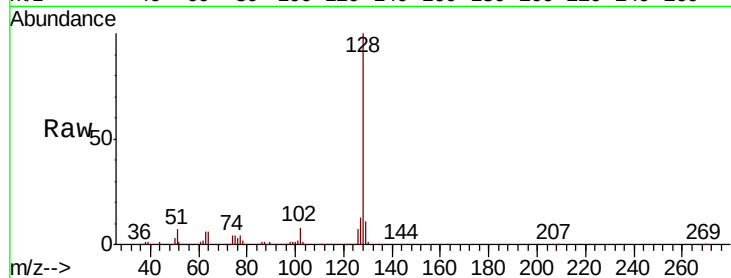
Tot Ion:128 Resp: 497783

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

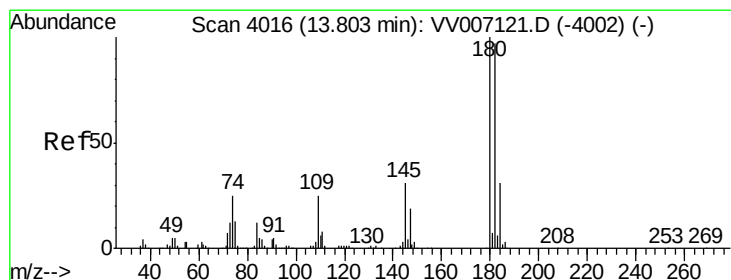
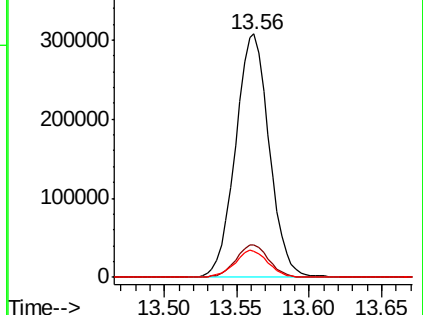
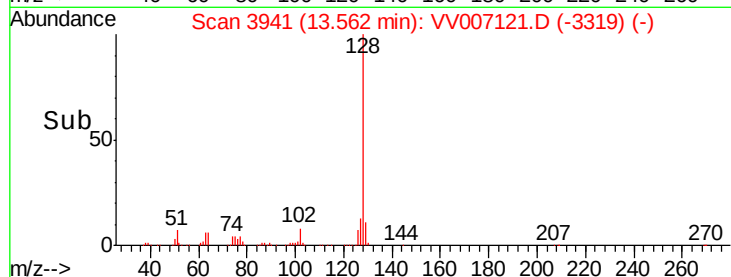
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 44.992 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007121.D

Acq: 22 Aug 2018 14:58

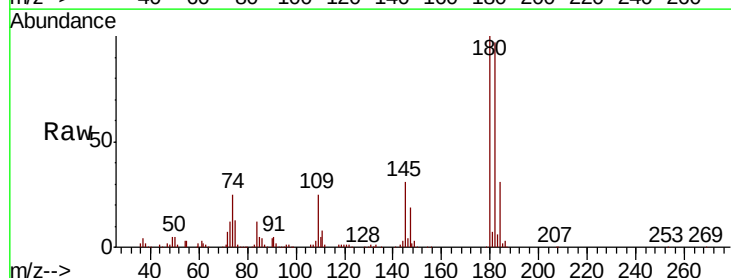
Tgt Ion:180 Resp: 223036

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 30.3 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

