

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009237.D
 Acq On : 22 Jan 2019 15:59
 Operator : SY/MD
 Sample : VV0122SBL01
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBL01

Quant Time: Jan 23 01:49:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:31:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	82736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	139161	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	122370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	57748	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	53055	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
35) Dibromofluoromethane	4.64	113	45940	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	7.36	98	177435	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	10.12	95	64029	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.24	50	482	0.535	ug/l	92
5) Bromomethane	1.51	94	243	0.419	ug/l	95
6) Chloroethane	1.30	64	68	0.119	ug/l #	43
14) Allyl chloride	2.41	41	142	0.094	ug/l #	36
15) Acrylonitrile	2.76	53	183	0.935	ug/l #	38
16) Acetone	2.18	43	4046	14.780	ug/l	100
17) Carbon Disulfide	2.31	76	174	0.065	ug/l #	75
18) Methyl Acetate	2.45	43	380	0.520	ug/l #	51
23) Vinyl Acetate	3.31	43	523	0.300	ug/l #	73
25) 2-Butanone	3.99	43	122	0.390	ug/l #	50
37) Ethyl Acetate	4.03	43	447	0.753	ug/l #	67
39) Methylcyclohexane	6.18	83	143	0.078	ug/l #	68
40) Benzene	5.14	78	285	0.066	ug/l #	51
42) 1,2-Dichloroethane	5.18	62	41	0.030	ug/l #	77
43) Isopropyl Acetate	5.32	43	43	0.037	ug/l #	62
44) Trichloroethene	5.96	130	43	0.038	ug/l	1
48) Methyl methacrylate	6.17	41	153	0.257	ug/l #	15
52) Toluene	7.43	92	356	0.130	ug/l #	61
53) t-1,3-Dichloropropene	7.70	75	76	0.055	ug/l #	42
60) Dibromochloromethane	8.01	129	91	0.103	ug/l #	11
64) Tetrachloroethene	8.02	164	47	0.054	ug/l #	1
65) Chlorobenzene	8.92	112	703	0.247	ug/l #	86
67) Ethyl Benzene	9.05	91	1119	0.221	ug/l	99
68) m/p-Xylenes	9.18	106	916	0.476	ug/l	99
69) o-Xylene	9.58	106	373	0.209	ug/l	85
70) Styrene	9.61	104	724	0.254	ug/l	94
73) Isopropylbenzene	9.97	105	1188	0.249	ug/l	100
74) N-amyl acetate	9.84	43	872	0.989	ug/l #	82
77) Bromobenzene	10.27	156	347	0.340	ug/l	78
78) n-propylbenzene	10.40	91	2412	0.427	ug/l	92
79) 2-Chlorotoluene	10.47	91	1445	0.424	ug/l	80
80) 1,3,5-Trimethylbenzene	10.59	105	1390	0.348	ug/l	95
82) 4-Chlorotoluene	10.58	91	2095	0.521	ug/l	97
83) tert-Butylbenzene	10.91	119	1428	0.375	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

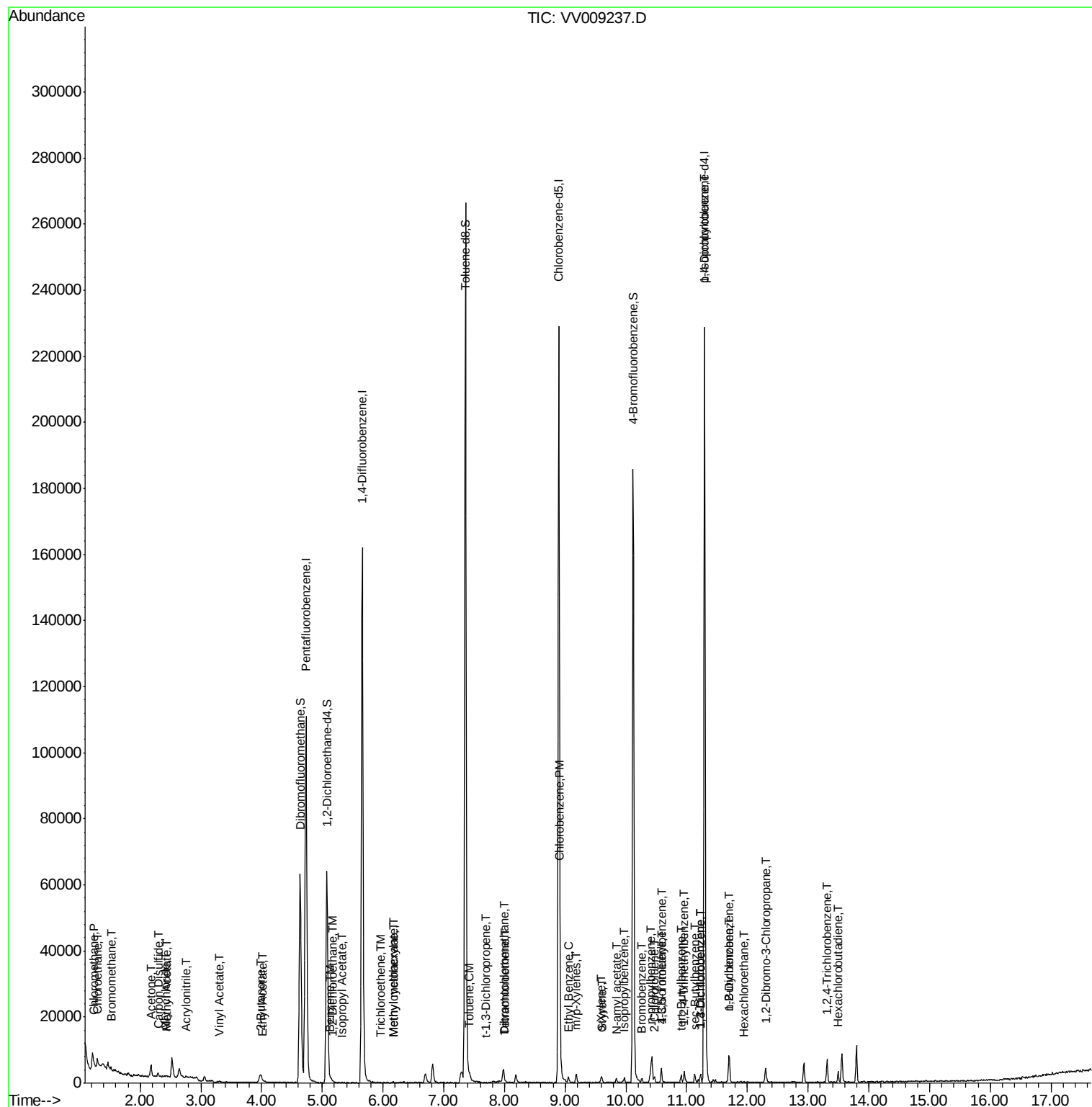
84) 1,2,4-Trimethylbenzene	10.96	105	2002	0.496	ug/l	95
85) sec-Butylbenzene	11.14	105	2163	0.434	ug/l	97
86) p-Isopropyltoluene	11.29	119	2247	0.515	ug/l	92
87) 1,3-Dichlorobenzene	11.23	146	1439	0.679	ug/l	89
88) 1,4-Dichlorobenzene	11.23	146	1439	0.672	ug/l	91
89) n-Butylbenzene	11.70	91	3877	0.915	ug/l	96
90) Hexachloroethane	11.95	117	97	0.125	ug/l #	14
91) 1,2-Dichlorobenzene	11.69	146	1293	0.692	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	12.30	75	124	0.919	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.31	180	2742	2.278	ug/l	89
94) Hexachlorobutadiene	13.50	225	727	0.975	ug/l	97

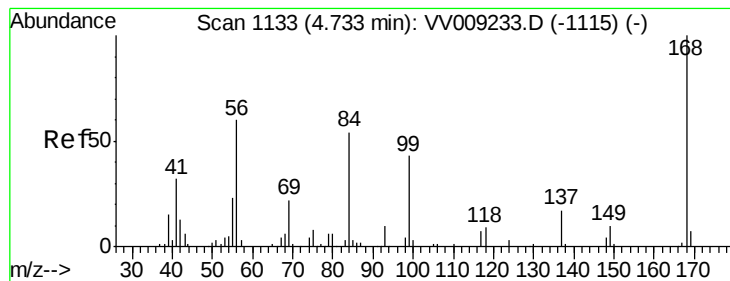
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

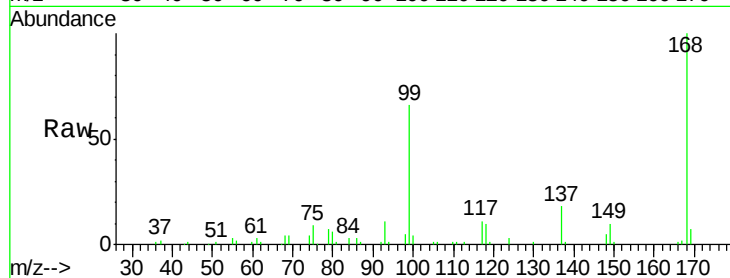
VV0122SBL01

Tot Ion:168 Resp: 82736

Ion Ratio Lower Upper

168 100

99 65.6 50.9 76.3

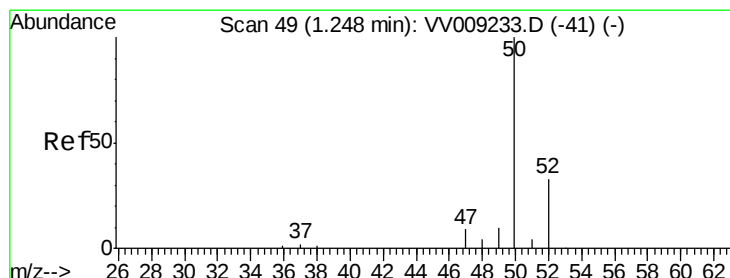
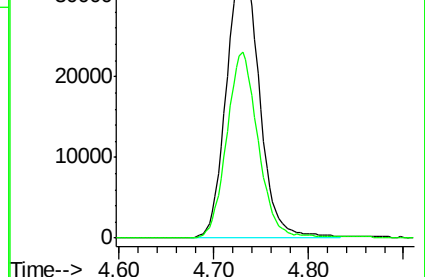
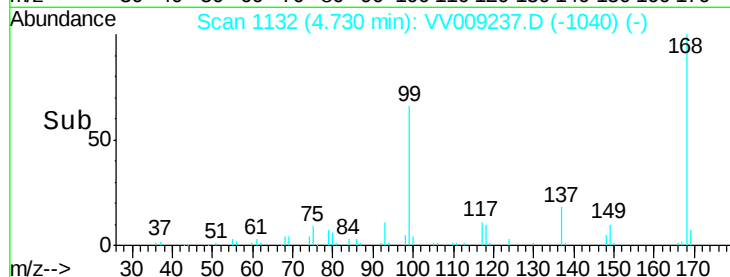


Abundance Ion 167.90 (167.60 to 168.60): VV009237.D (-1040) (-)

Ion 98.90 (98.60 to 99.60): VV009237.D (-1040) (-)

4.73

4.60 4.70 4.80



#3

Chloromethane

Concen: 0.535 ug/l

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV009237.D

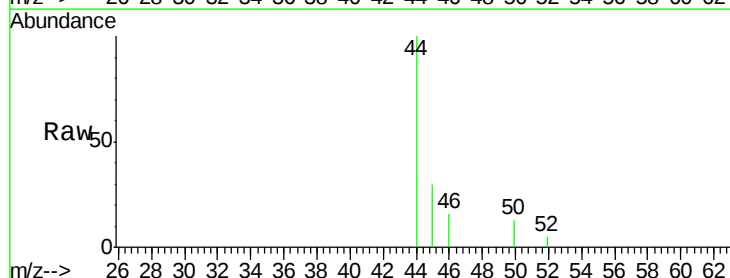
Acq: 22 Jan 2019 15:59

Tgt Ion: 50 Resp: 482

Ion Ratio Lower Upper

50 100

52 37.3 26.3 39.5

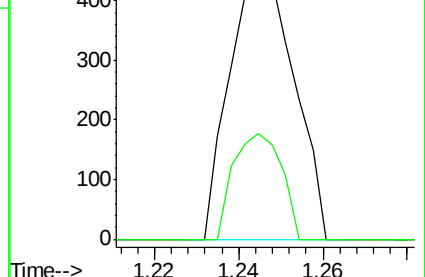
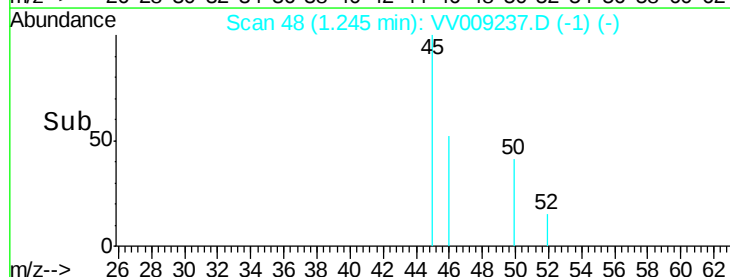


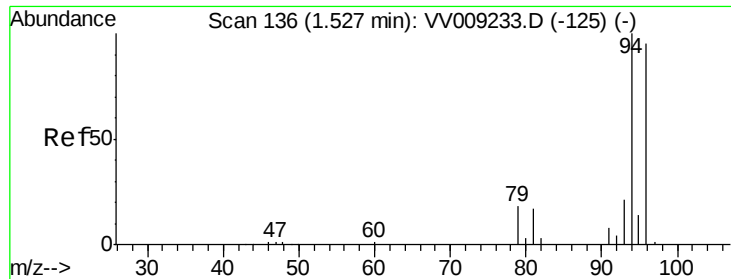
Abundance Ion 49.90 (49.60 to 50.60): VV009237.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VV009237.D (-1) (-)

1.24

1.22 1.24 1.26

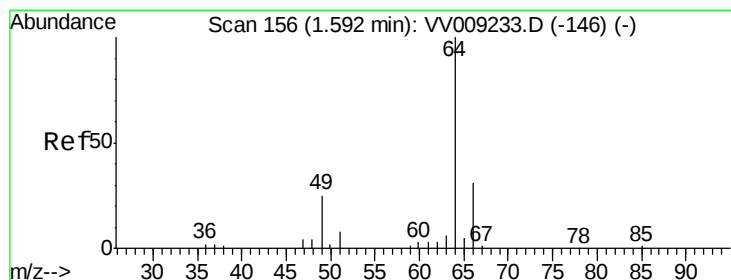
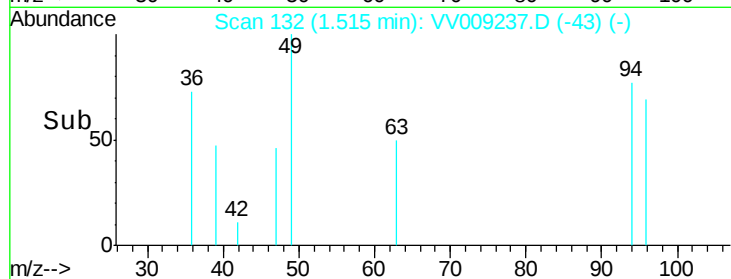
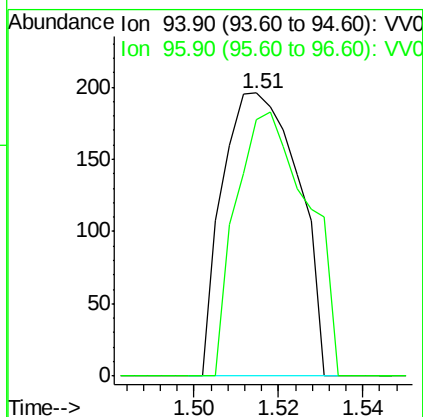
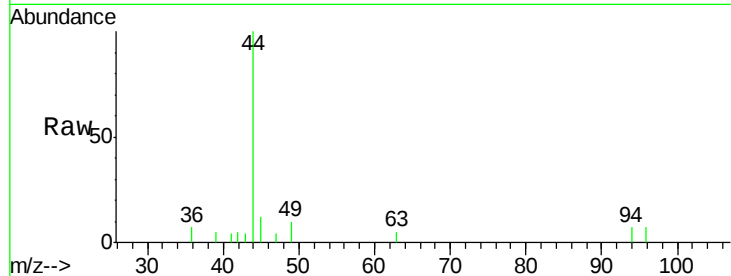




#5
Bromomethane
Concen: 0.419 ug/l
RT: 1.51 min Scan# 132
Delta R.T. -0.01 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

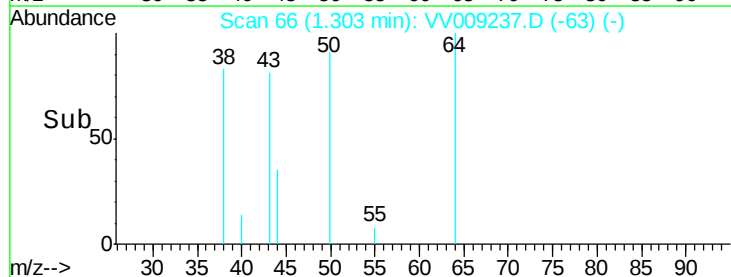
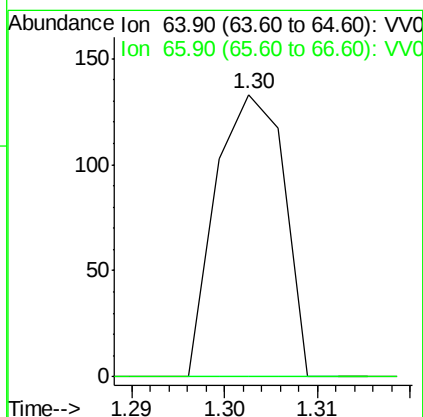
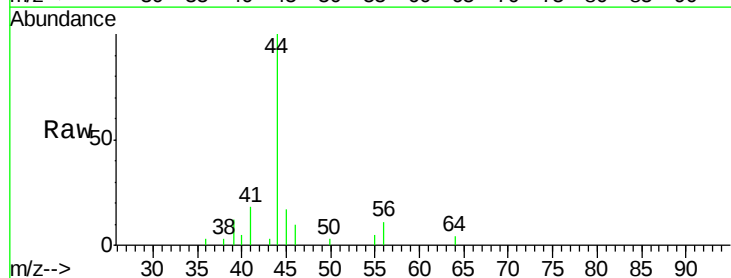
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBL01

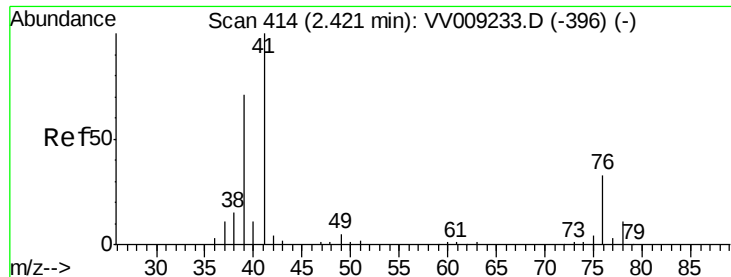
Tot Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 90.3 76.3 114.5



#6
Chloroethane
Concen: 0.119 ug/l
RT: 1.30 min Scan# 66
Delta R.T. -0.29 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

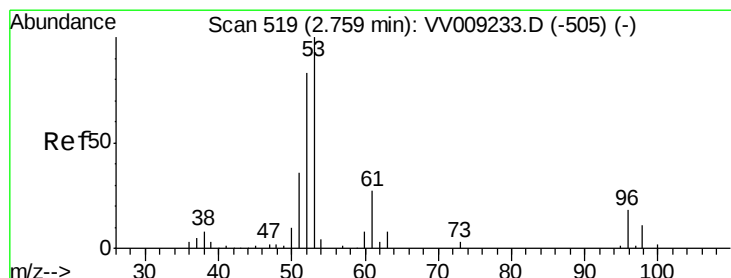
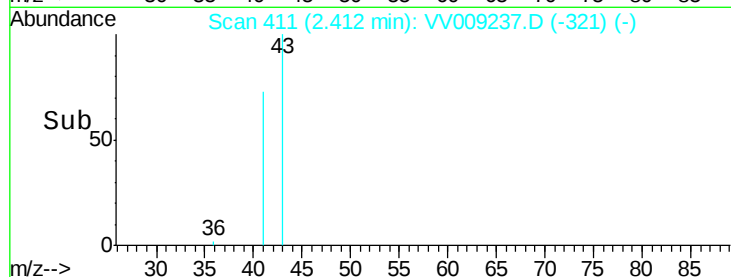
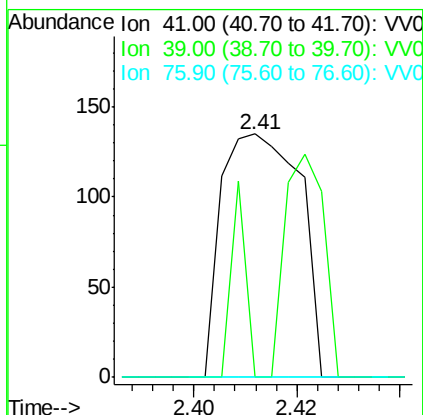
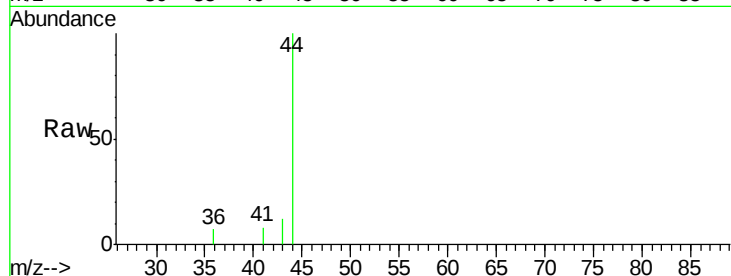




#14
Allvl chloride
Concen: 0.094 ug/l
RT: 2.41 min Scan# 411
Delta R.T. -0.01 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

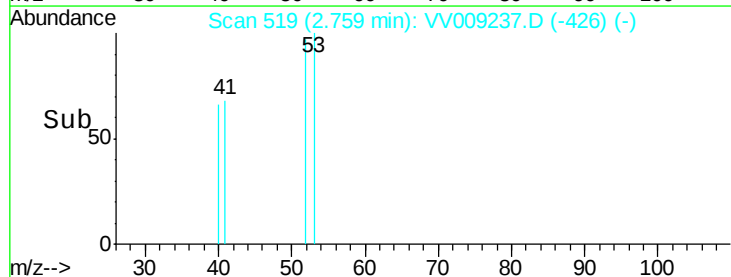
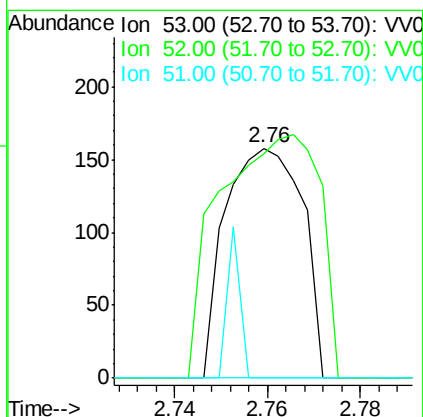
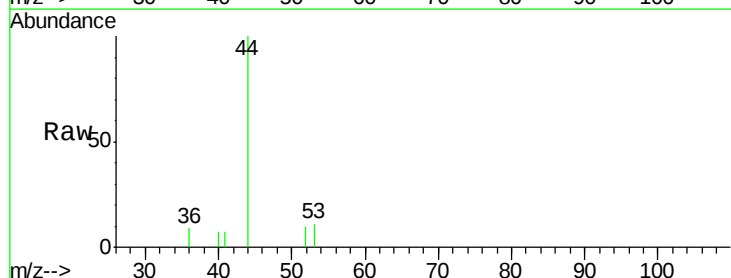
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBL01

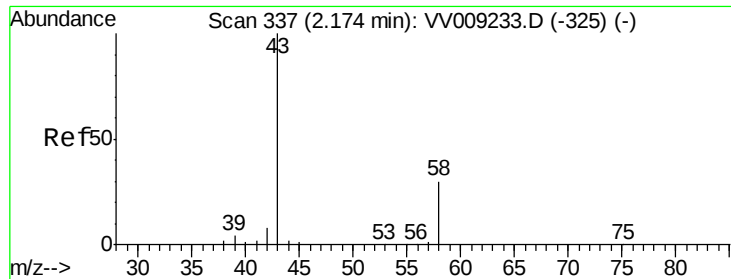
Tot Ion: 41 Resp: 142
Ion Ratio Lower Upper
41 100
39 14.8 55.1 82.7#
76 0.0 26.7 40.1#



#15
Acrylonitrile
Concen: 0.935 ug/l
RT: 2.76 min Scan# 519
Delta R.T. 0.00 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

Tgt Ion: 53 Resp: 183
Ion Ratio Lower Upper
53 100
52 136.6 65.3 97.9#
51 0.0 29.0 43.4#





#16

Acetone

Concen: 14.780 ug/l

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampled :

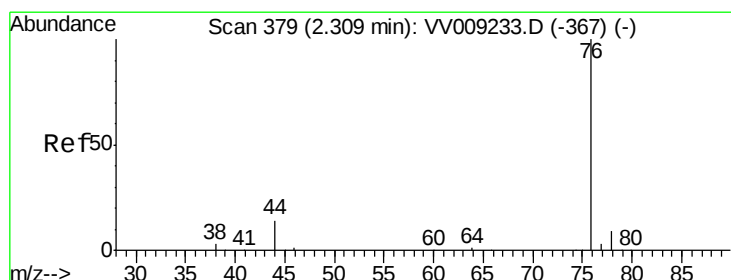
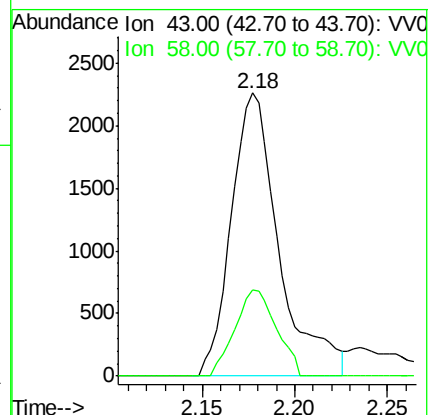
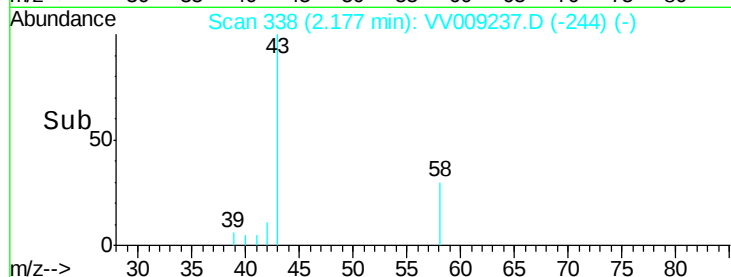
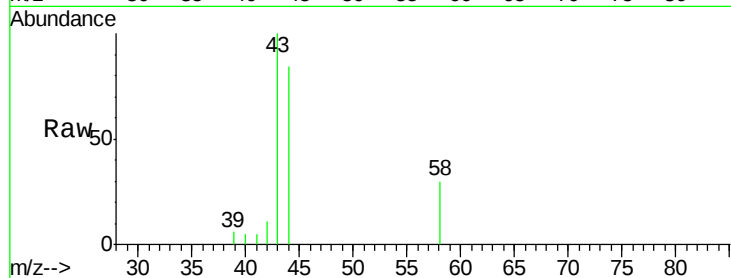
VV0122SBL01

Tot Ion: 43 Resp: 4046

Ion Ratio Lower Upper

43 100

58 30.3 24.4 36.6



#17

Carbon Disulfide

Concen: 0.065 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV009237.D

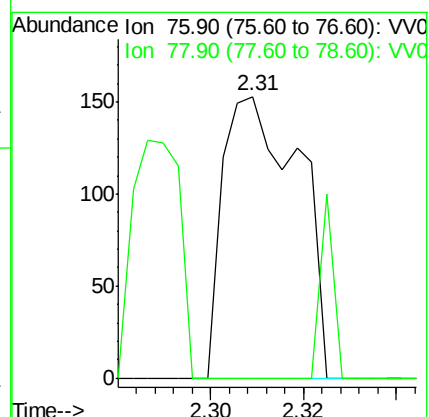
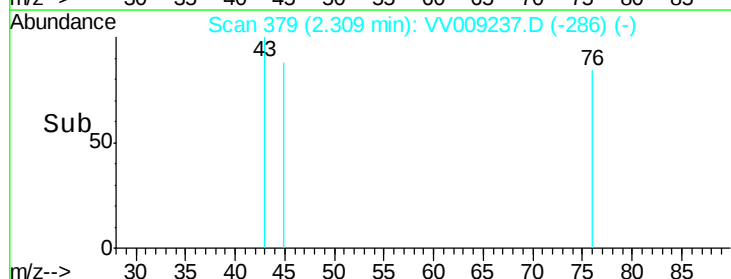
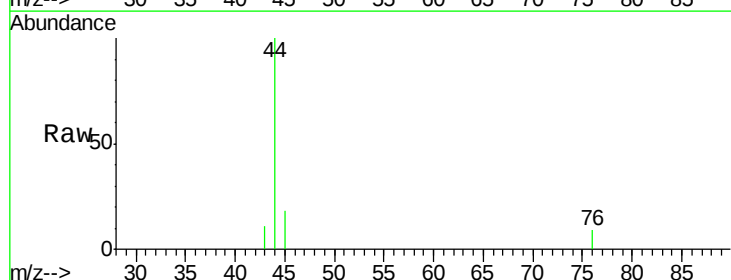
Acq: 22 Jan 2019 15:59

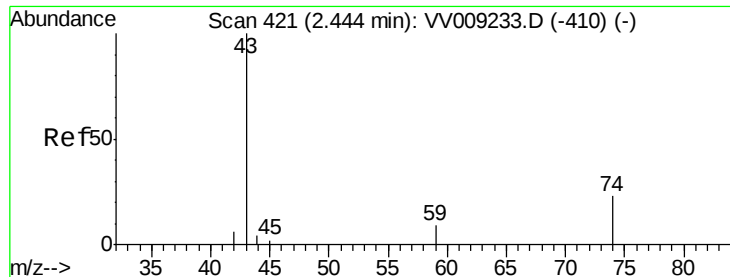
Tgt Ion: 76 Resp: 174

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

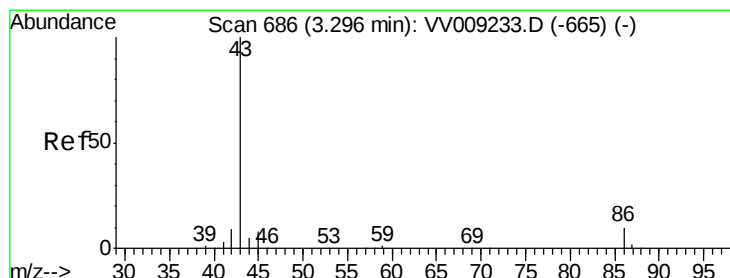
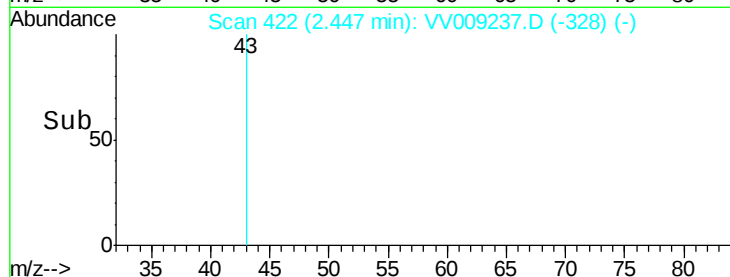
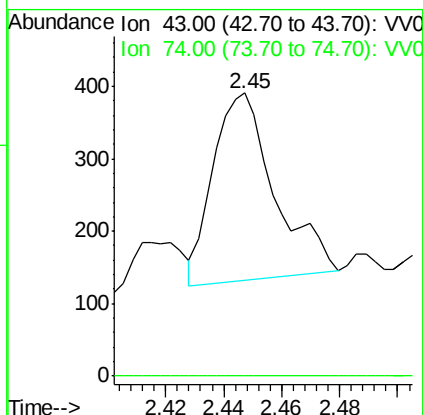
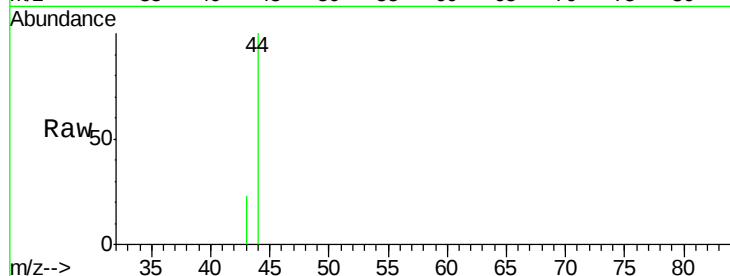




#18
Methvl Acetate
Concen: 0.520 ug/l
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

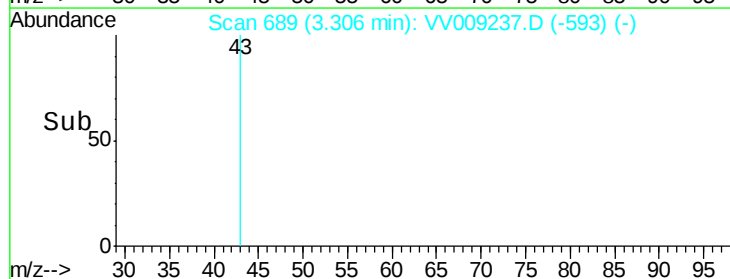
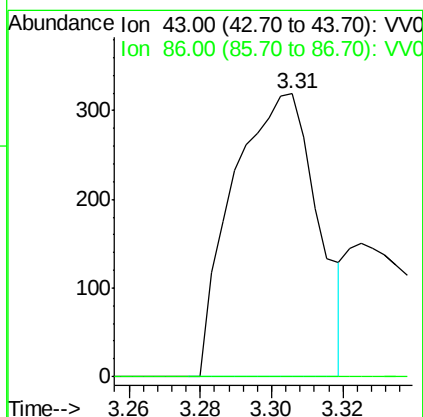
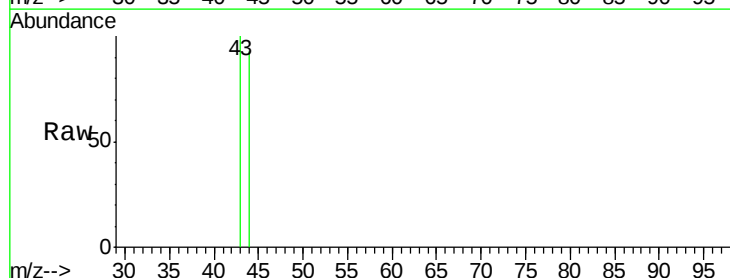
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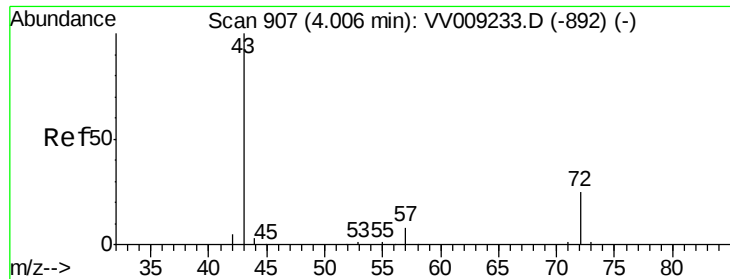
Tot Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
74 0.0 19.7 29.5#



#23
Vinyl Acetate
Concen: 0.300 ug/l
RT: 3.31 min Scan# 689
Delta R.T. 0.01 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

Tgt Ion: 43 Resp: 523
Ion Ratio Lower Upper
43 100
86 0.0 8.1 12.1#





#25

2-Butanone

Concen: 0.390 ug/l

RT: 3.99 min Scan# 902

Delta R.T. -0.02 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

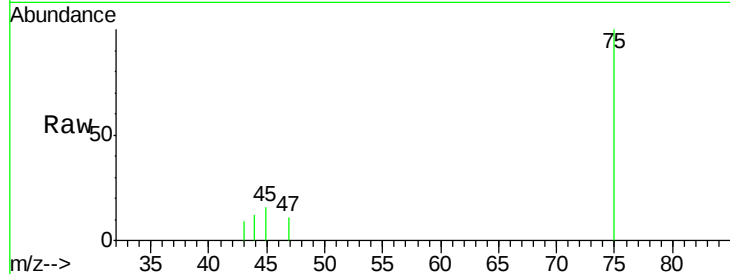
VV0122SBL01

Tot Ion: 43 Resp: 122

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

3.99

150

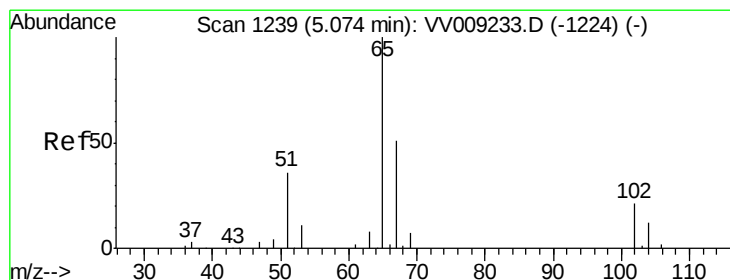
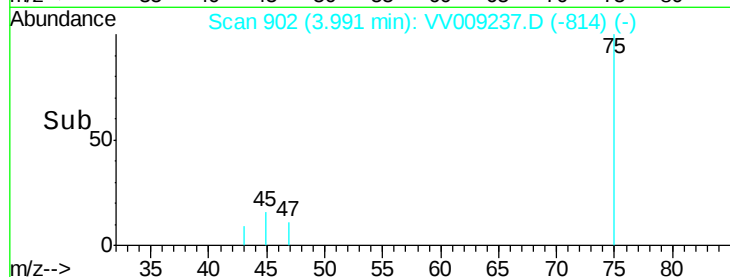
100

50

0

3.97 3.98 3.99 4.00 4.01

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.583 ug/l

RT: 5.07 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VV009237.D

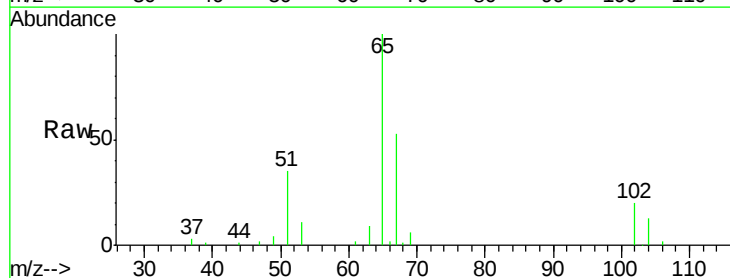
Acq: 22 Jan 2019 15:59

Tgt Ion: 65 Resp: 53055

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VV0

Ion 66.90 (66.60 to 67.60): VV0

5.07

25000

20000

15000

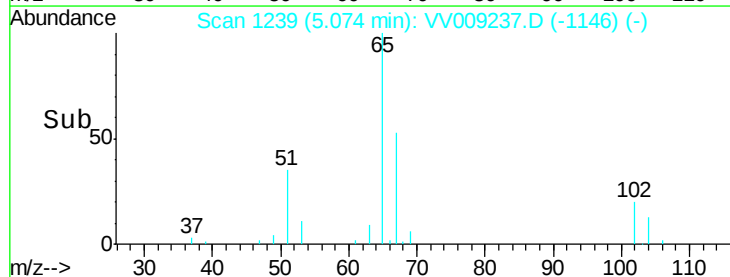
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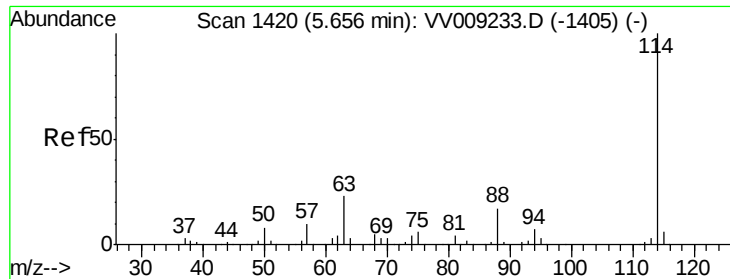
5000

0

5.00 5.05 5.10 5.15 5.20

Time-->

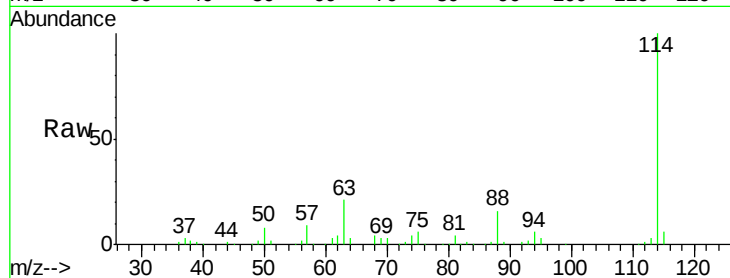




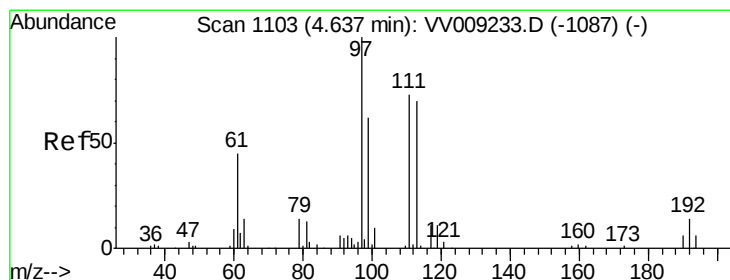
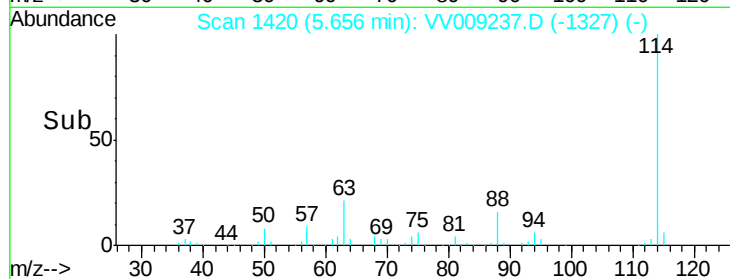
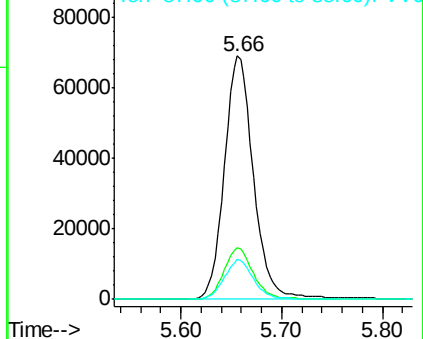
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VV009237.D
 Acq: 22 Jan 2019 15:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	45.2
88	16.2	0.0	33.4

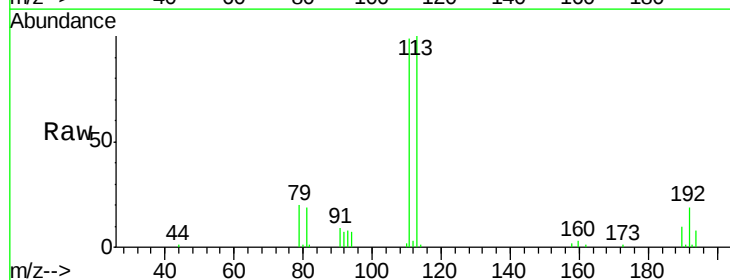


Abundance Ion 113.90 (113.60 to 114.60): V

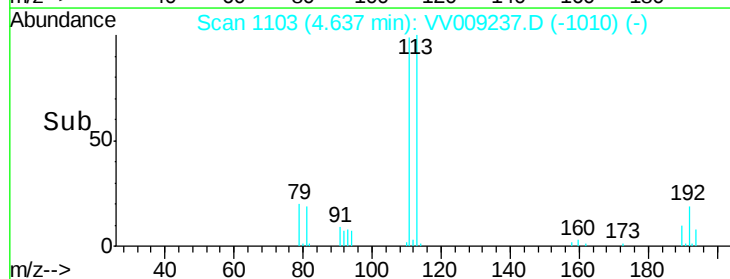
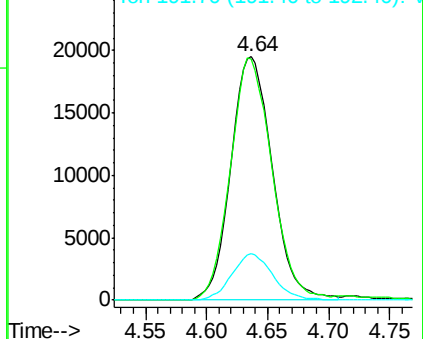


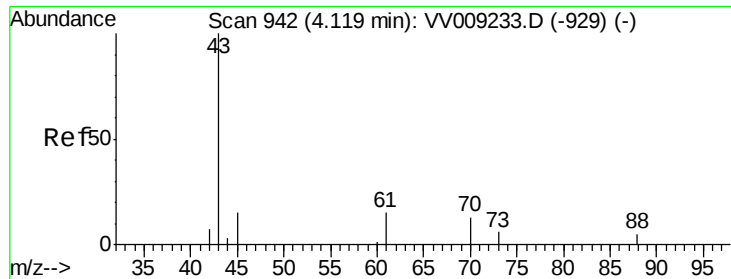
#35
 Dibromofluoromethane
 Concen: 50.732 ug/l
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV009237.D
 Acq: 22 Jan 2019 15:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.7	82.4	123.6
192	18.6	15.0	22.6



Abundance Ion 112.80 (112.50 to 113.50): V

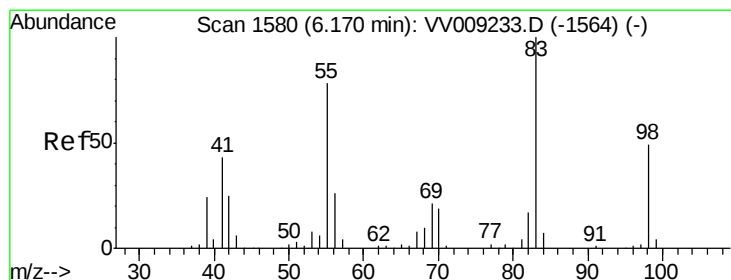
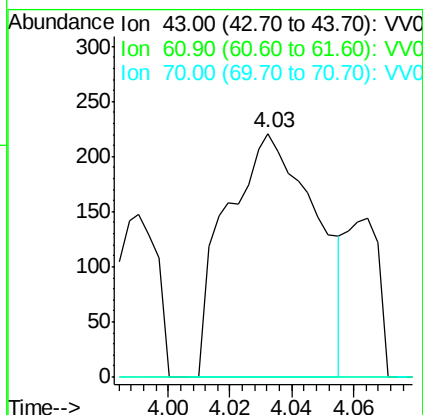
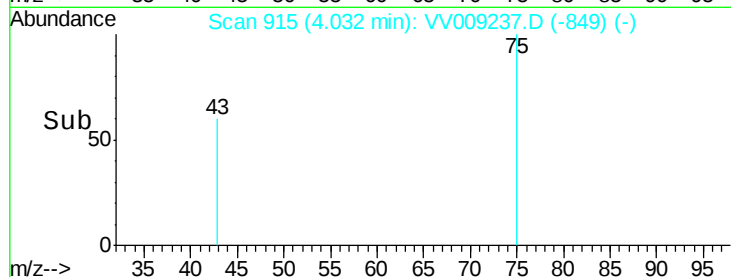
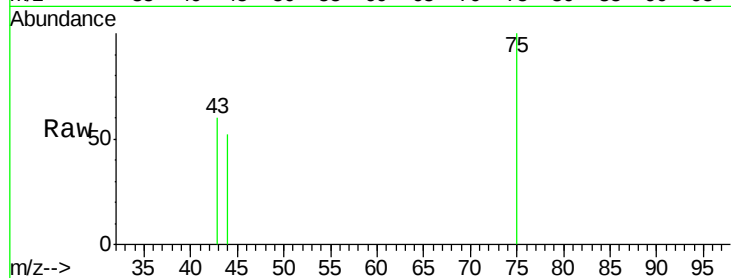




#37
Ethyl Acetate
Concen: 0.753 ug/l
RT: 4.03 min Scan# 915
Delta R.T. -0.09 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

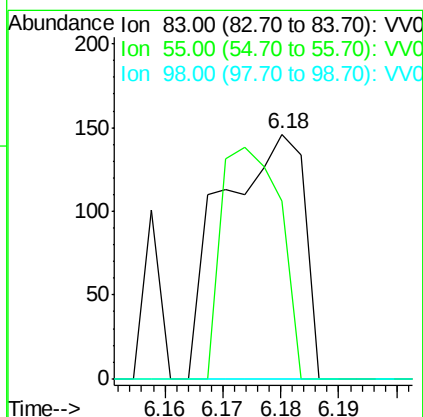
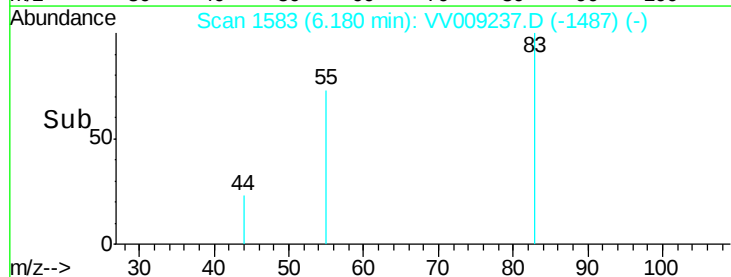
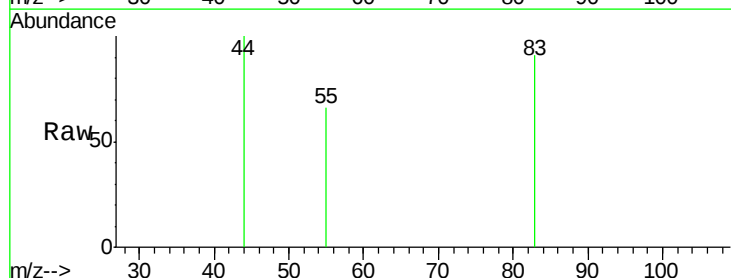
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBL01

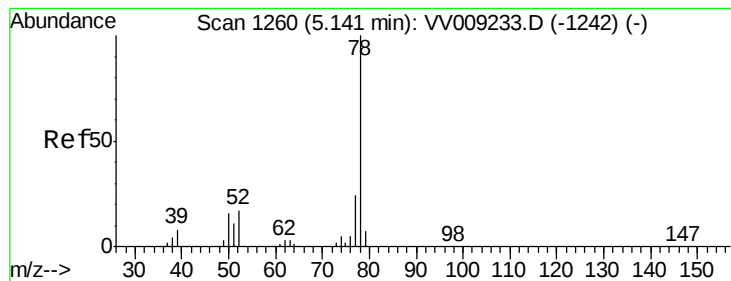
Tot Ion: 43 Resp: 447
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 8.7 13.1#



#39
Methylcyclohexane
Concen: 0.078 ug/l
RT: 6.18 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

Tgt Ion: 83 Resp: 143
Ion Ratio Lower Upper
83 100
55 72.6 62.8 94.2
98 0.0 39.1 58.7#





#40

Benzene

Concen: 0.066 ug/l

RT: 5.14 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

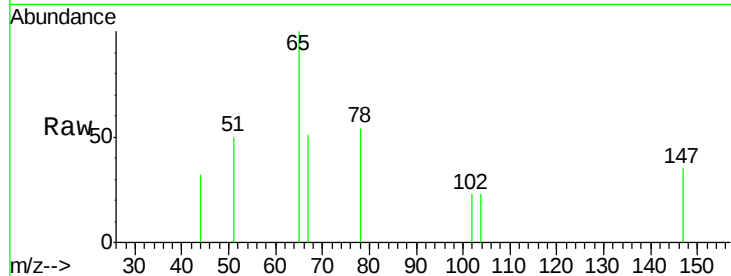
VV0122SBL01

Tot Ion: 78 Resp: 285

Ion Ratio Lower Upper

78 100

77 0.0 19.4 29.2#



Abundance Ion 78.00 (77.70 to 78.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

5.14

250

200

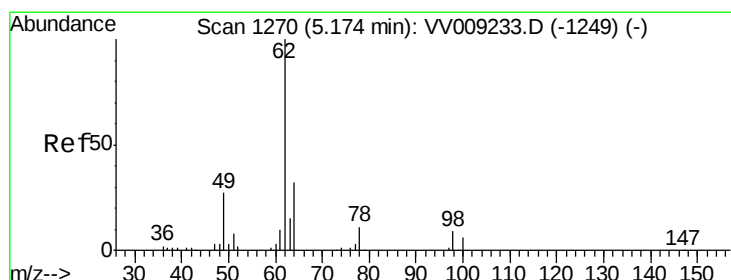
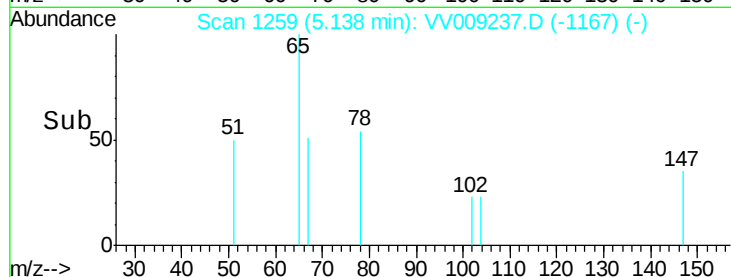
150

100

50

0

Time-->



#42

1,2-Dichloroethane

Concen: 0.030 ug/l

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV009237.D

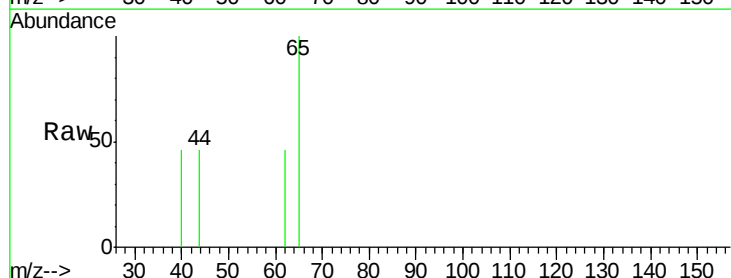
Acq: 22 Jan 2019 15:59

Tgt Ion: 62 Resp: 41

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

5.18

120

100

80

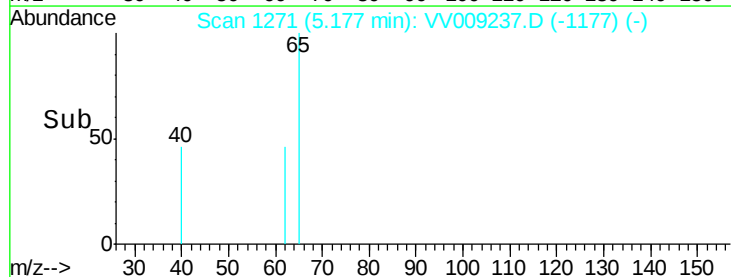
60

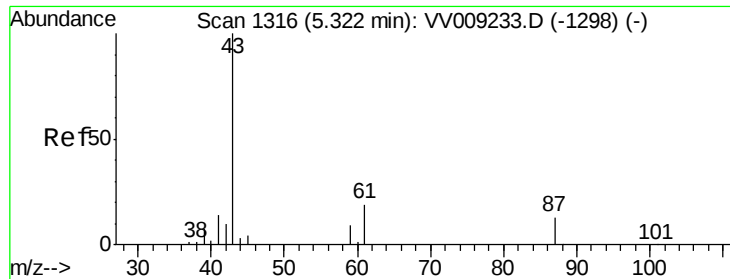
40

20

0

Time-->





#43

Isopropyl Acetate

Concen: 0.037 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBL01

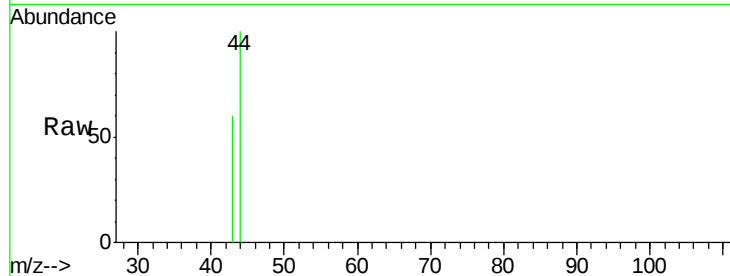
Tot Ion: 43 Resp: 43

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

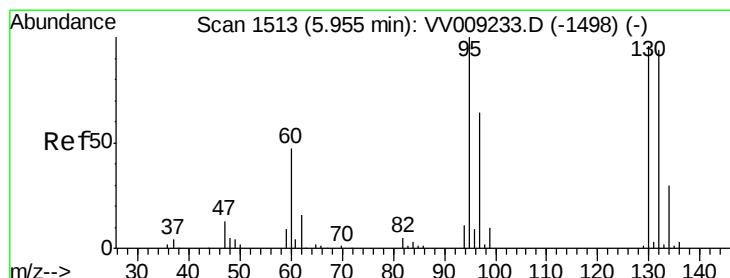
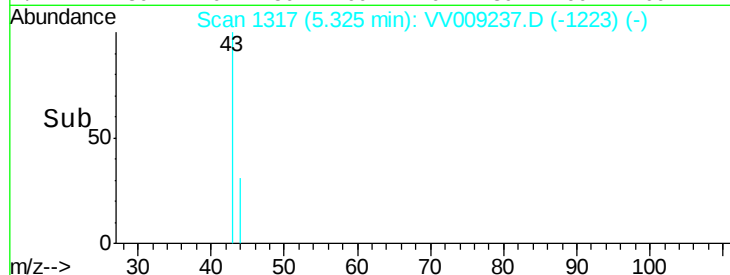
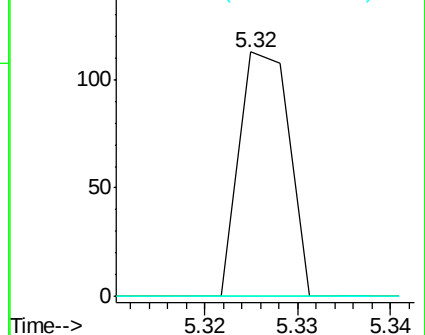
87 0.0 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#44

Trichloroethene

Concen: 0.038 ug/l

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009237.D

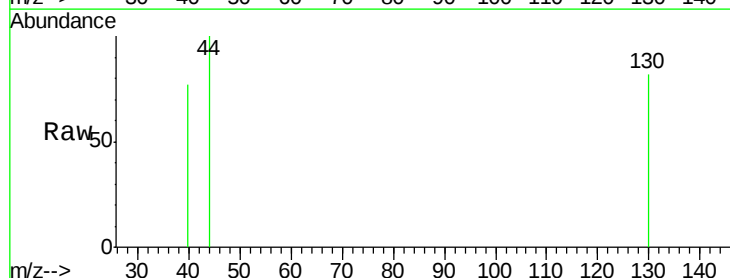
Acq: 22 Jan 2019 15:59

Tgt Ion: 130 Resp: 43

Ion Ratio Lower Upper

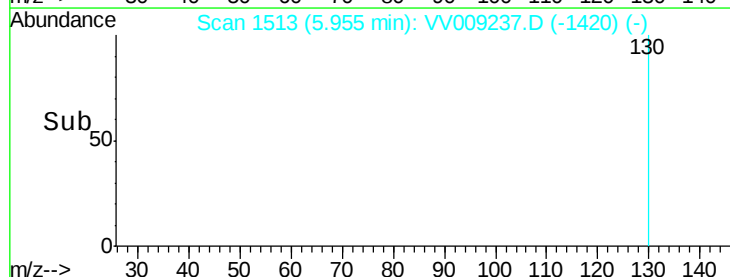
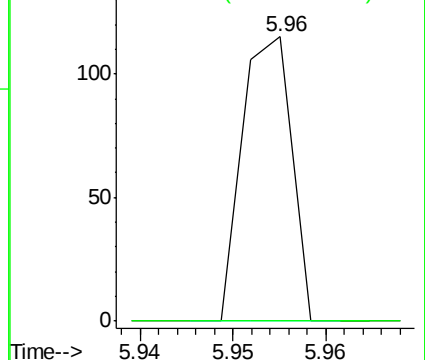
130 100

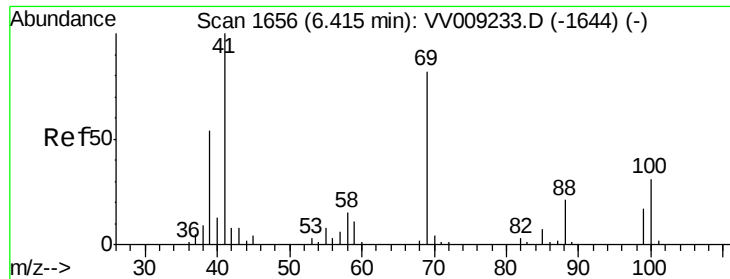
95 0.0 0.0 208.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VV0





#48

Methvl methacrylate

Concen: 0.257 ug/l

RT: 6.17 min Scan# 1580

Delta R.T. -0.24 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBL01

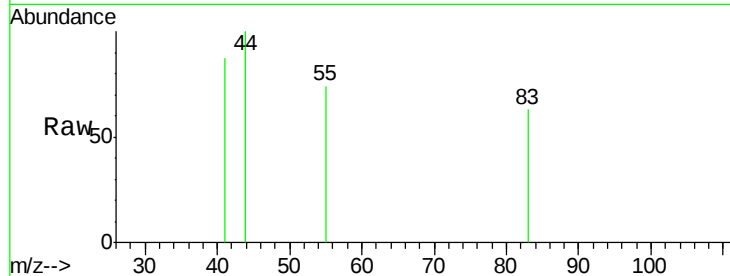
Tot Ion: 41 Resp: 153

Ion Ratio Lower Upper

41 100

69 0.0 65.8 98.6#

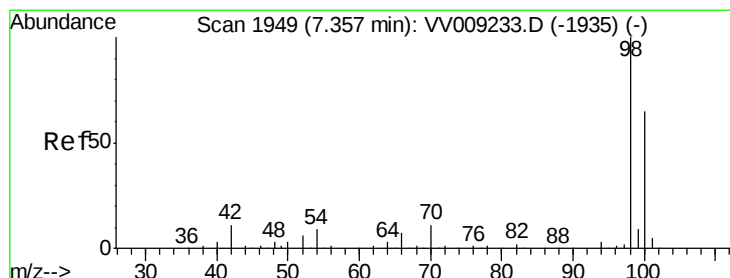
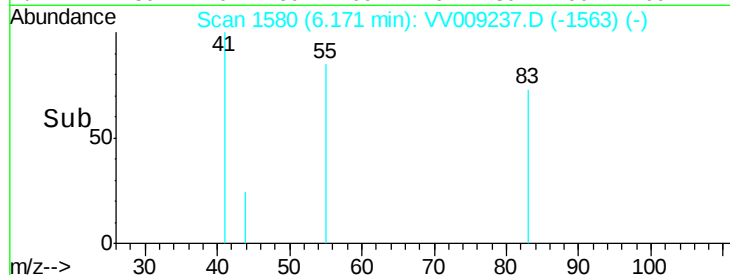
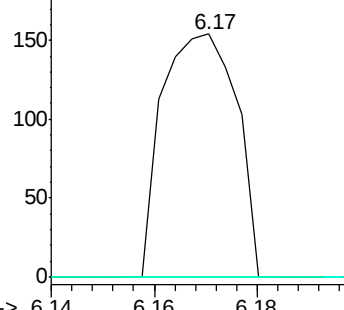
39 0.0 43.4 65.0#



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



#50

Toluene-d8

Concen: 50.345 ug/l

RT: 7.36 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VV009237.D

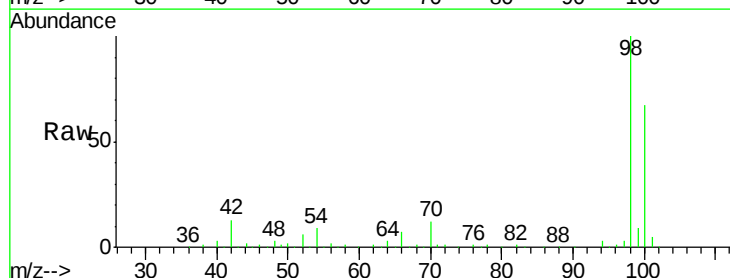
Acq: 22 Jan 2019 15:59

Tgt Ion: 98 Resp: 177435

Ion Ratio Lower Upper

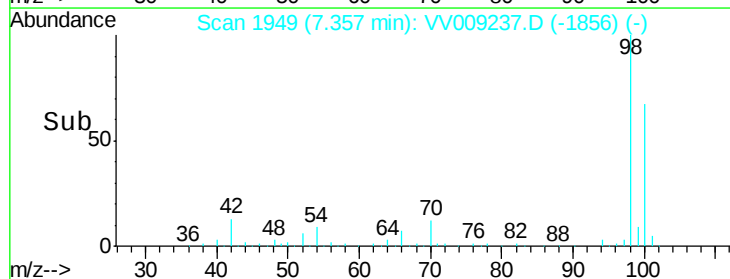
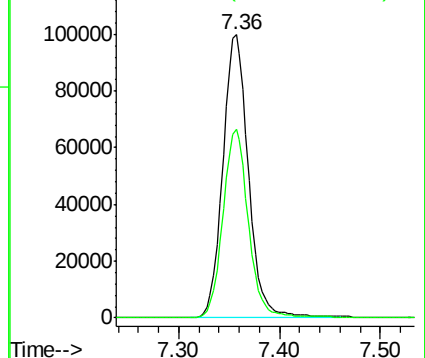
98 100

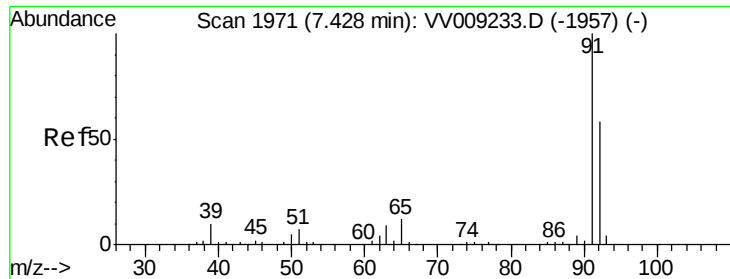
100 66.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#52

Toluene

Concen: 0.130 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

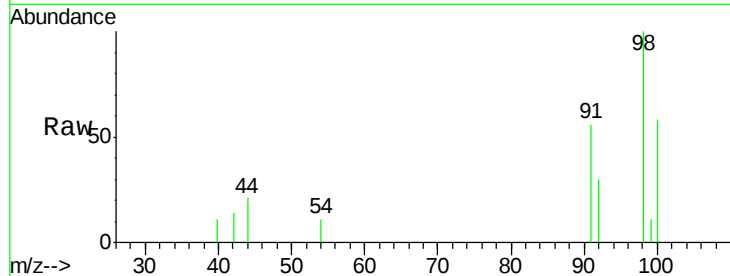
VV0122SBL01

Tot Ion: 92 Resp: 356

Ion Ratio Lower Upper

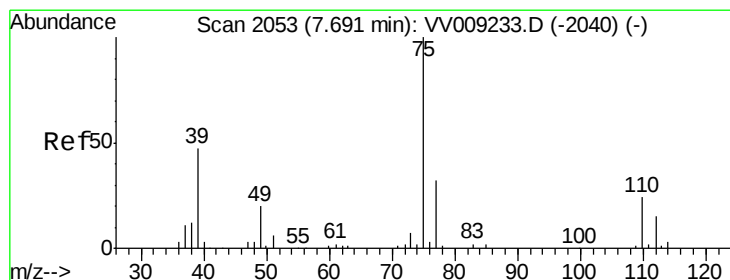
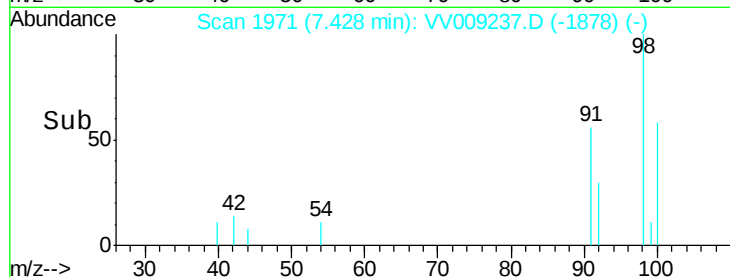
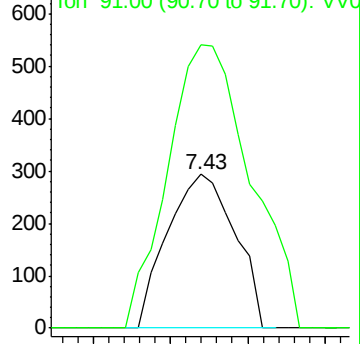
92 100

91 225.3 137.2 205.8#



Abundance Ion 92.00 (91.70 to 92.70): VV0

Ion 91.00 (90.70 to 91.70): VV0



#53

t-1,3-Dichloropropene

Concen: 0.055 ug/l

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV009237.D

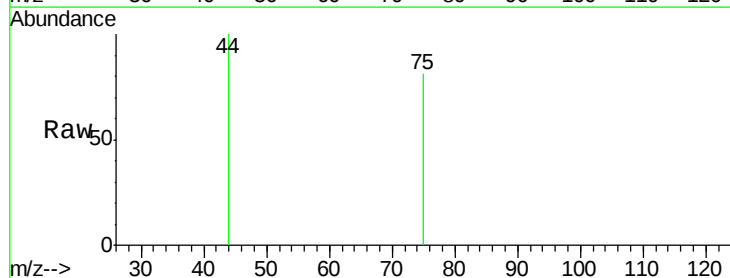
Acq: 22 Jan 2019 15:59

Tgt Ion: 75 Resp: 76

Ion Ratio Lower Upper

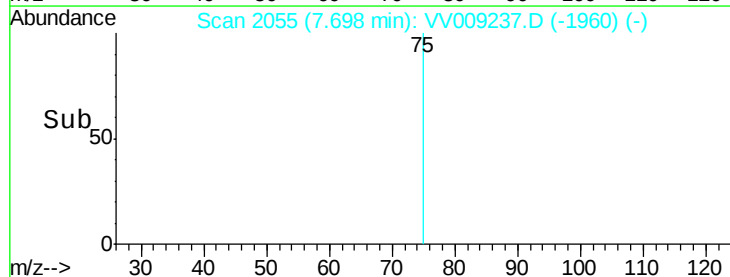
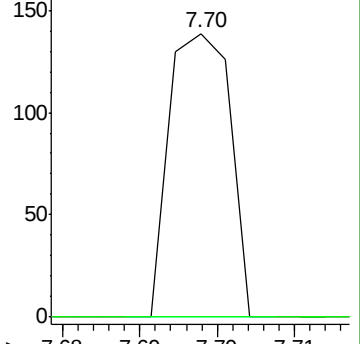
75 100

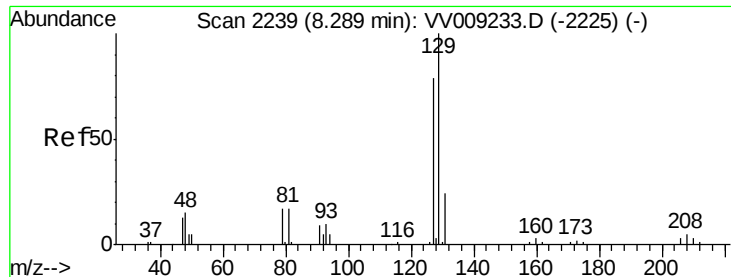
77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0





#60

Dibromochloromethane

Concen: 0.103 ug/l

RT: 8.01 min Scan# 2152

Delta R.T. -0.28 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

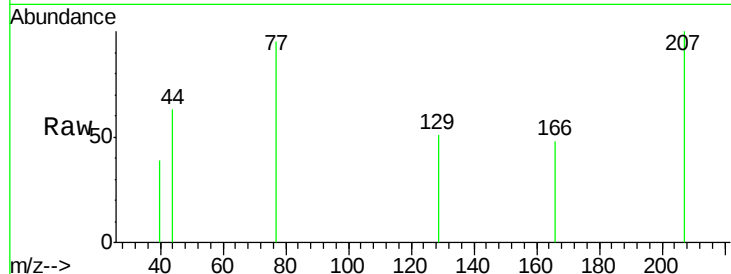
VV0122SBL01

Tot Ion:129 Resp: 91

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.01

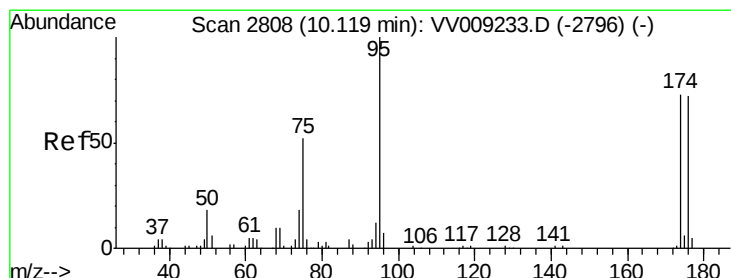
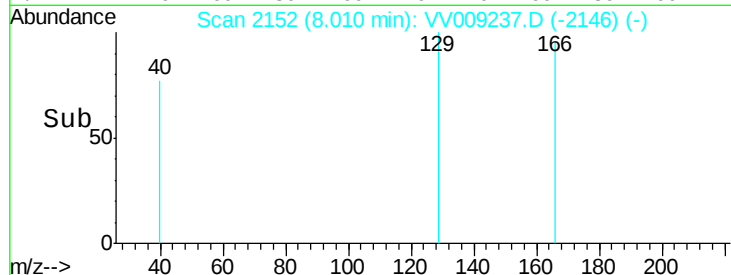
150

100

50

0

Time--> 7.99 8.00 8.01 8.02 8.03



#62

4-Bromofluorobenzene

Concen: 48.213 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

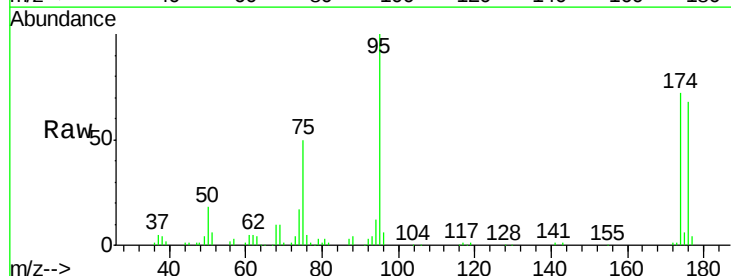
Tgt Ion: 95 Resp: 64029

Ion Ratio Lower Upper

95 100

174 72.0 0.0 148.2

176 69.5 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

50000

40000

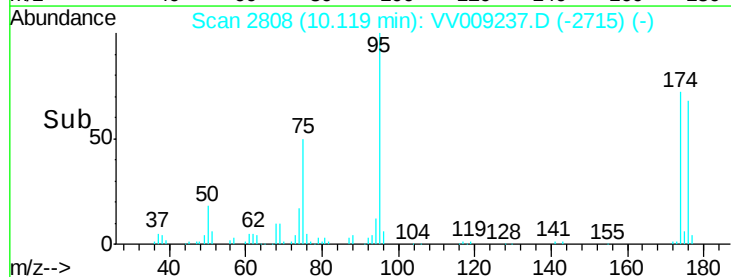
30000

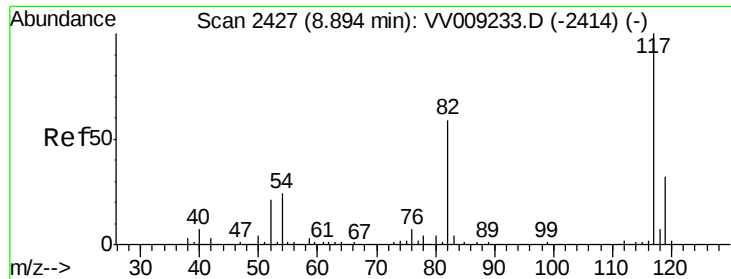
20000

10000

0

Time--> 10.05 10.10 10.15 10.20

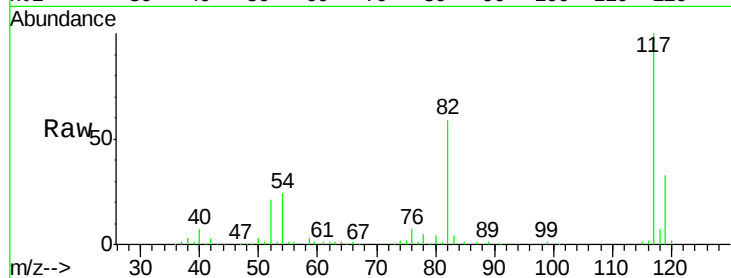




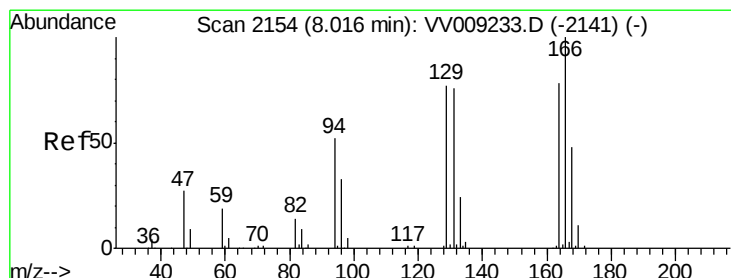
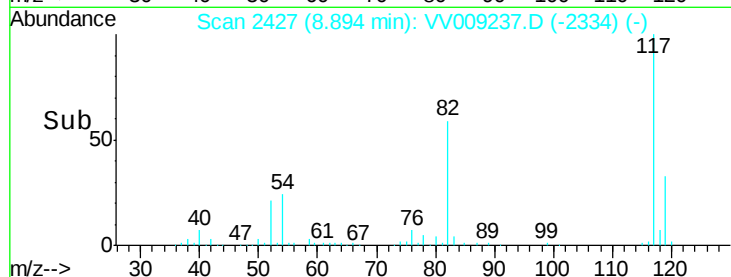
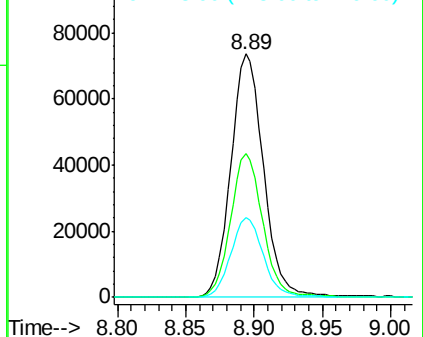
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBL01

Tot Ion:117 Resp: 122370
Ion Ratio Lower Upper
117 100
82 59.3 47.0 70.6
119 32.8 25.4 38.2

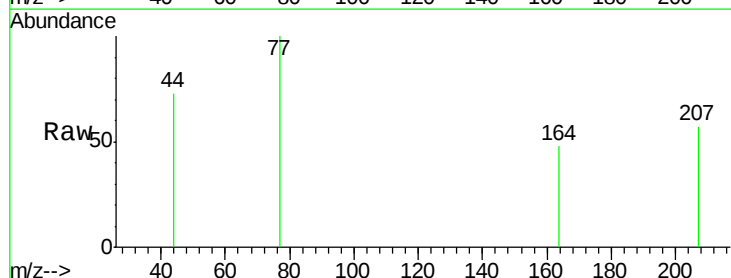


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV0
Ion 118.90 (118.60 to 119.60): V

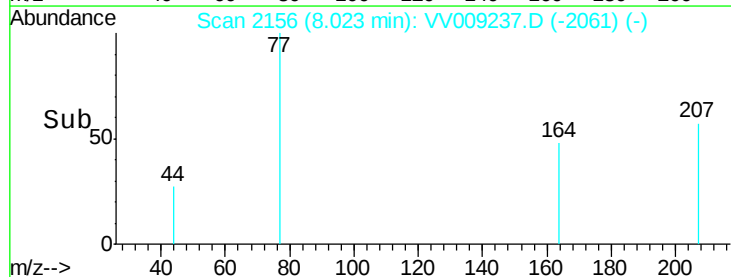
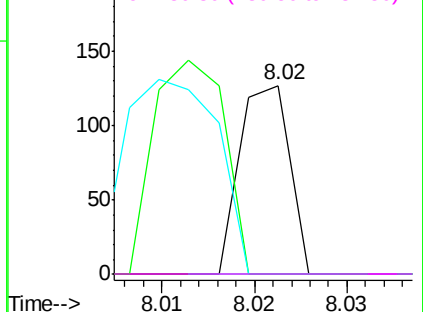


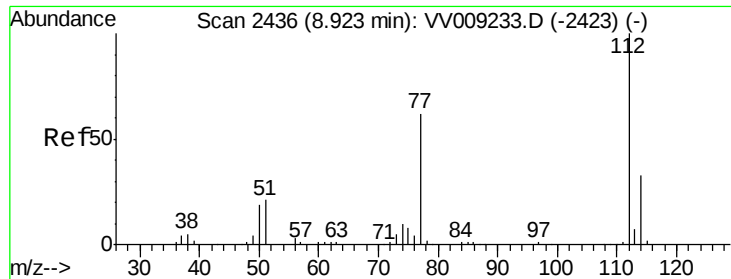
#64
Tetrachloroethene
Concen: 0.054 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

Tgt Ion:164 Resp: 47
Ion Ratio Lower Upper
164 100
166 0.0 102.1 153.1#
129 0.0 78.1 117.1#
131 0.0 78.0 117.0#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

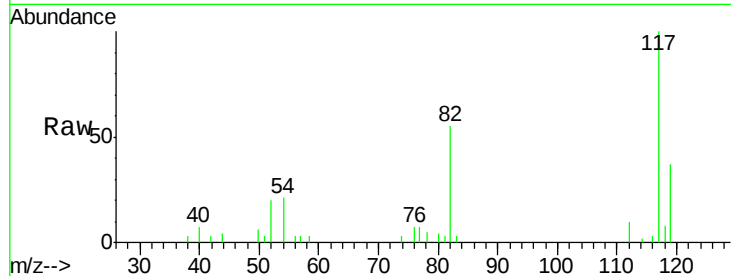




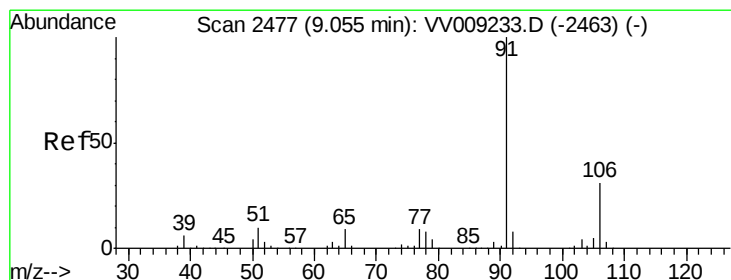
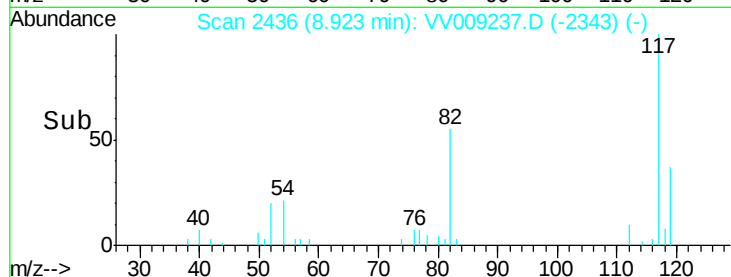
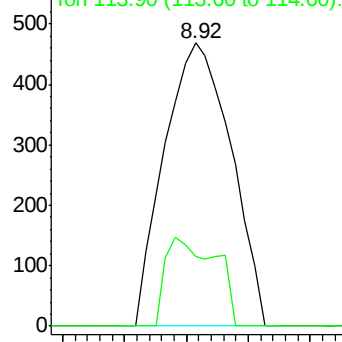
#65
Chlorobenzene
Concen: 0.247 ug/l
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

Instrument :
MSVOA_V
ClientSampleId :
VV0122SBL01

Tot Ion:112 Resp: 703
Ion Ratio Lower Upper
112 100
114 24.6 26.0 39.0#

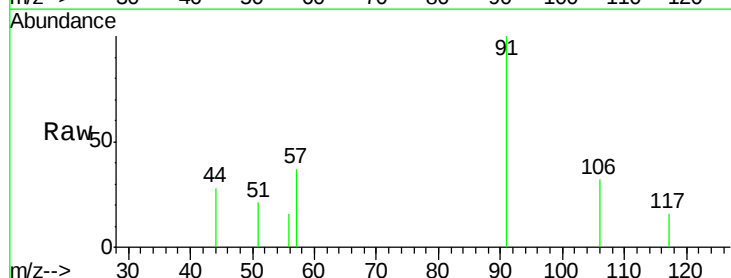


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

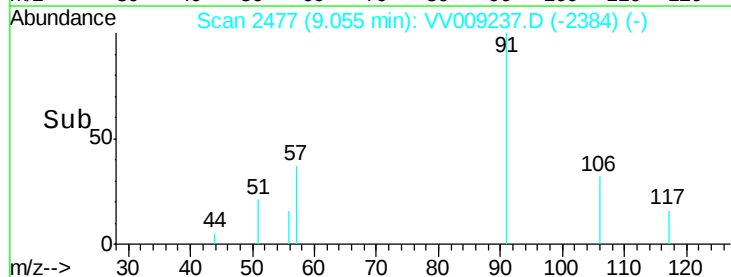
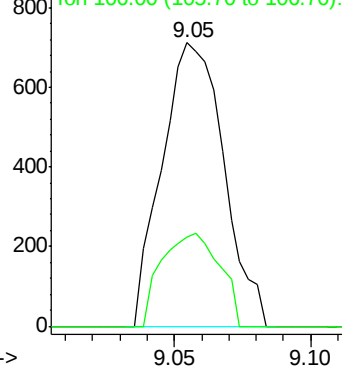


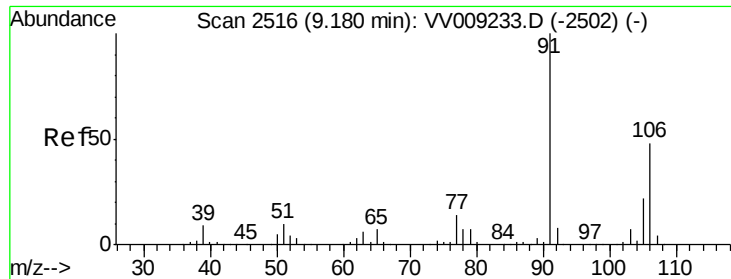
#67
Ethyl Benzene
Concen: 0.221 ug/l
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

Tgt Ion: 91 Resp: 1119
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0



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

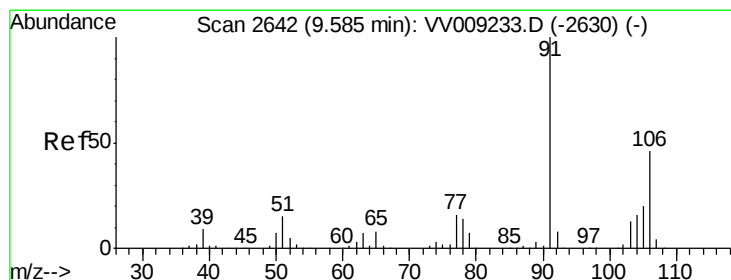
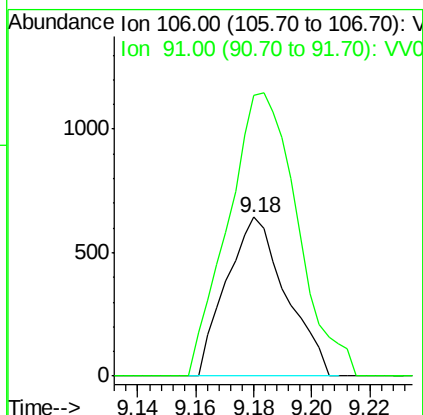
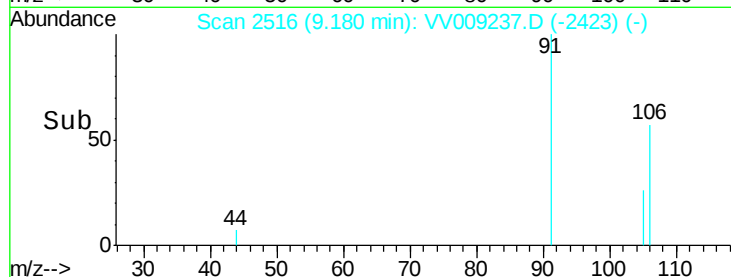
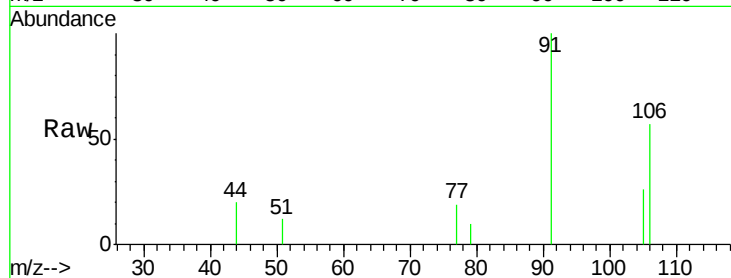




#68
m/p-Xylenes
Concen: 0.476 ug/l
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

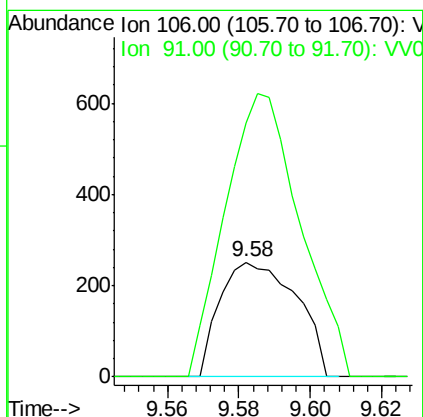
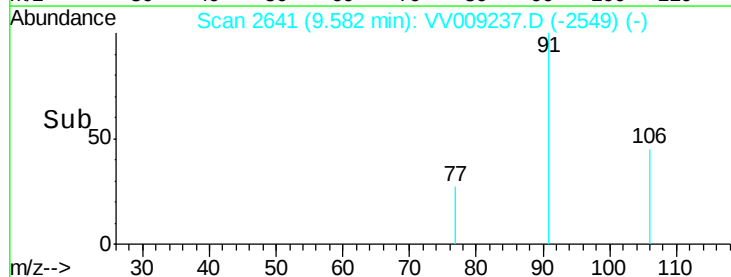
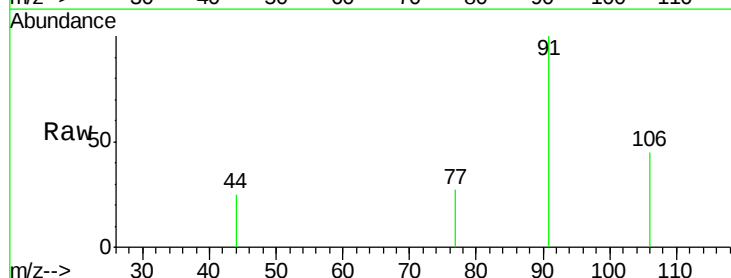
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBL01

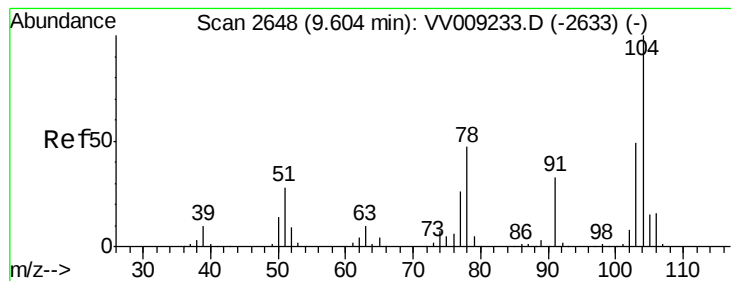
Tot Ion:106 Resp: 916
Ion Ratio Lower Upper
106 100
91 207.5 167.1 250.7



#69
o-Xylene
Concen: 0.209 ug/l
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

Tgt Ion:106 Resp: 373
Ion Ratio Lower Upper
106 100
91 241.8 109.3 327.8





#70

Stvrene

Concen: 0.254 ug/l

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBL01

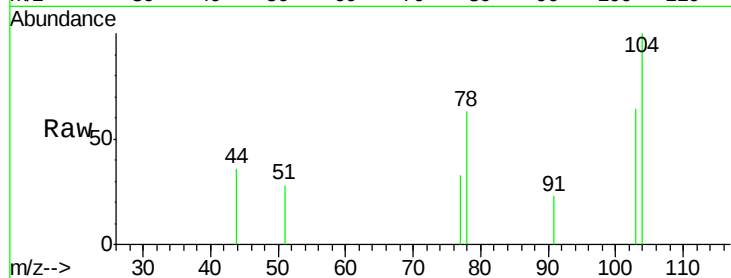
Tot Ion:104 Resp: 724

Ion Ratio Lower Upper

104 100

78 57.2 43.1 64.7

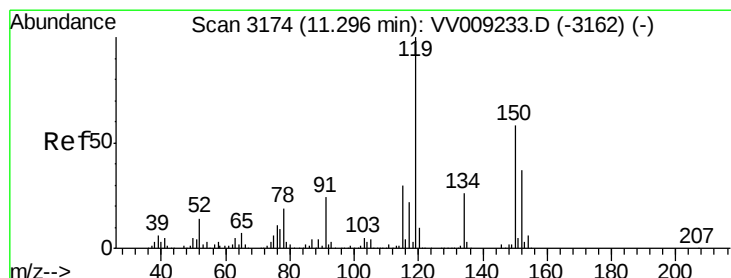
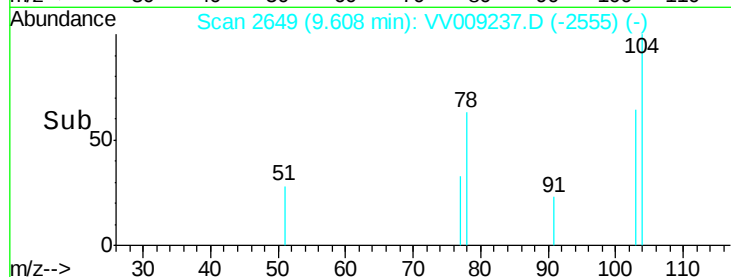
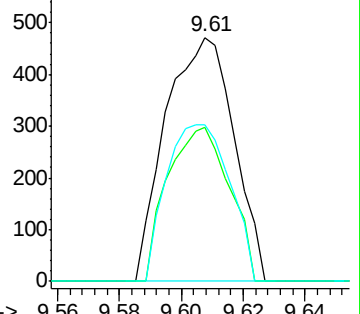
103 59.8 43.8 65.8



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

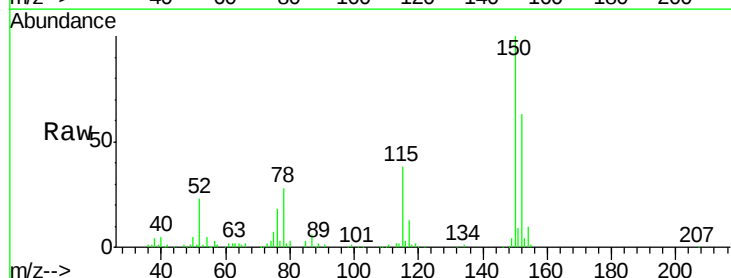
Tgt Ion:152 Resp: 57748

Ion Ratio Lower Upper

152 100

115 61.8 45.0 134.8

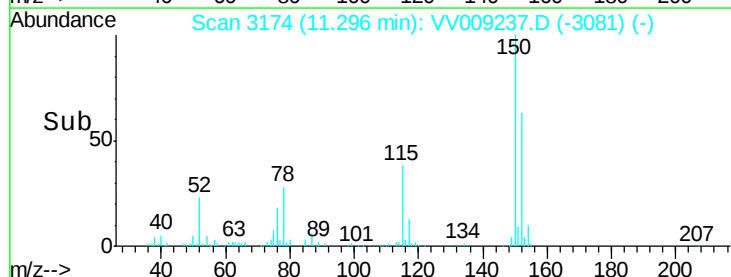
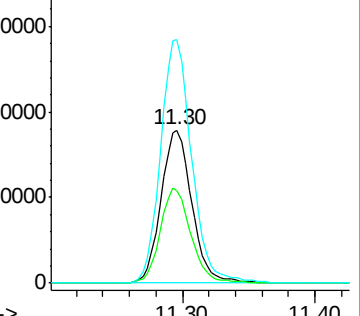
150 160.6 0.0 346.4

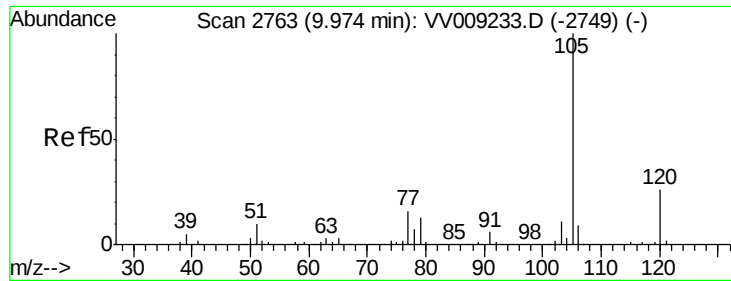


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.249 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

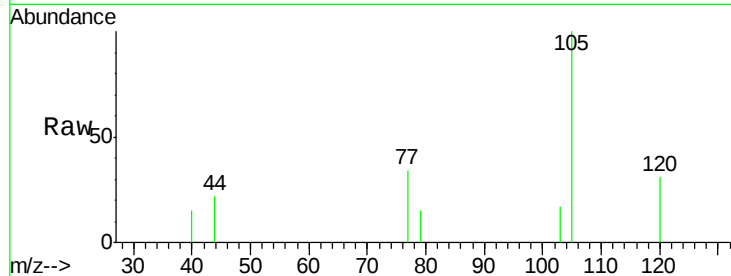
VV0122SBL01

Tot Ion:105 Resp: 1188

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800

600

400

200

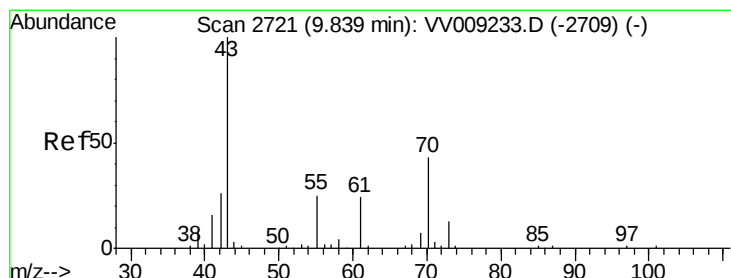
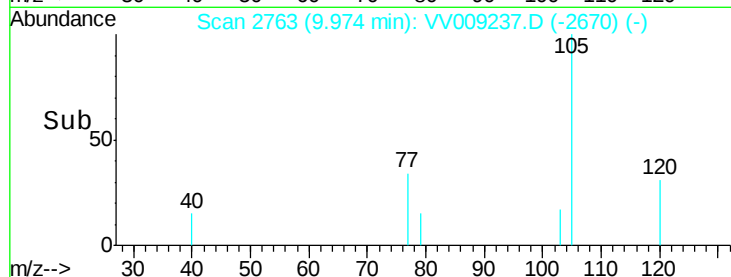
0

9.95

9.97

10.00

Time-->



#74

N-ethyl acetate

Concen: 0.989 ug/l

RT: 9.84 min Scan# 2722

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Tgt Ion: 43 Resp: 872

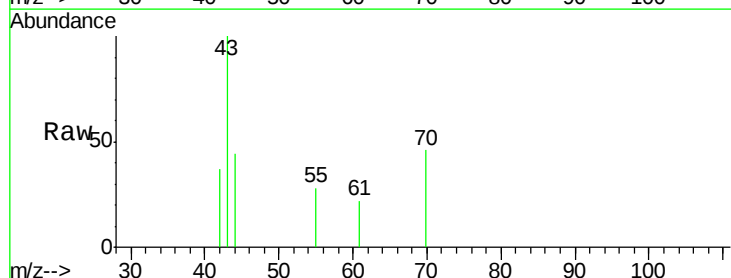
Ion Ratio Lower Upper

43 100

70 35.9 33.0 49.6

55 19.7 18.7 28.1

61 0.0 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

800

600

400

200

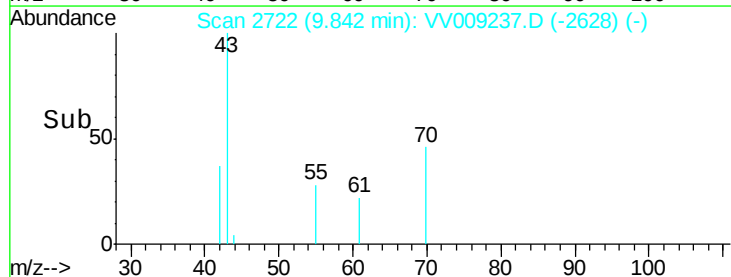
0

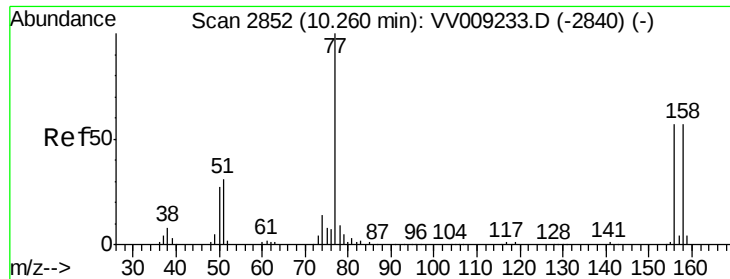
9.80

9.84

9.85

Time-->





#77

Bromobenzene

Concen: 0.340 ug/l

RT: 10.27 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBL01

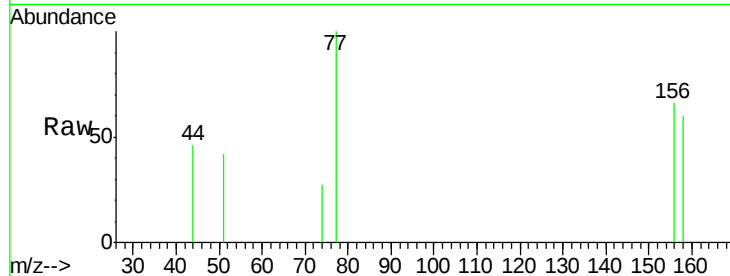
Tot Ion:156 Resp: 347

Ion Ratio Lower Upper

156 100

77 207.2 86.0 258.0

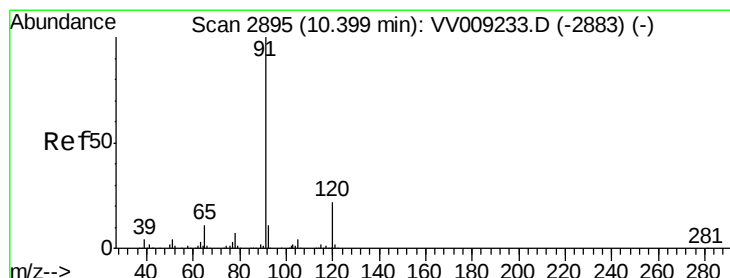
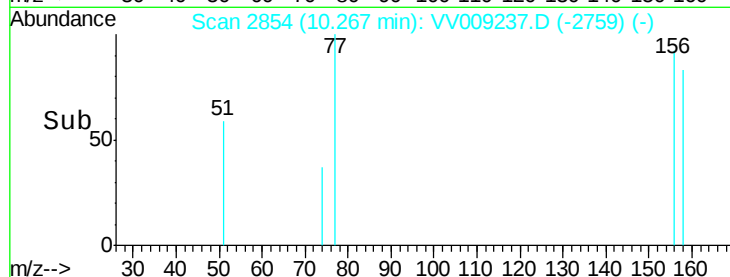
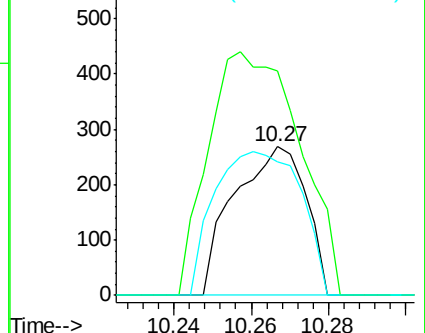
158 116.1 49.8 149.3



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: 0.427 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009237.D

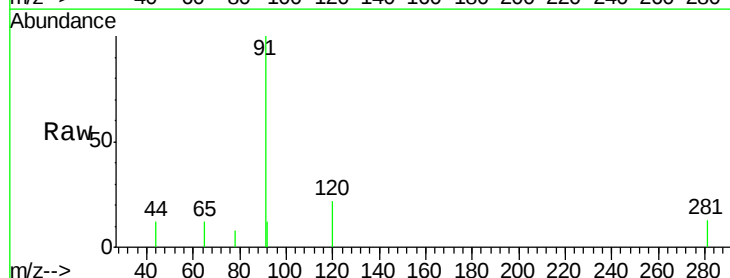
Acq: 22 Jan 2019 15:59

Tgt Ion: 91 Resp: 2412

Ion Ratio Lower Upper

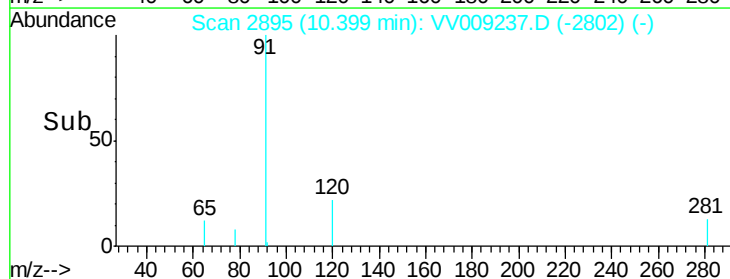
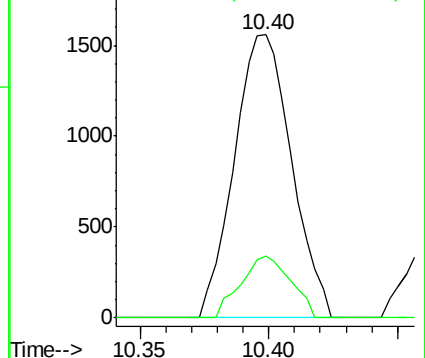
91 100

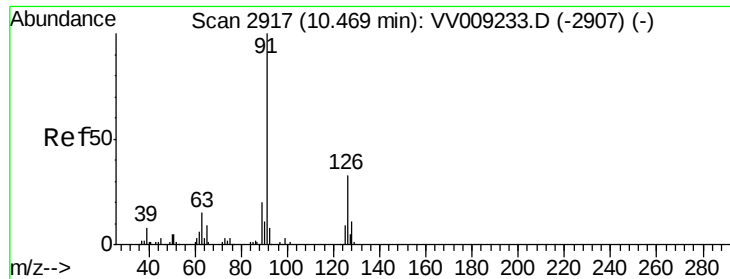
120 19.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V

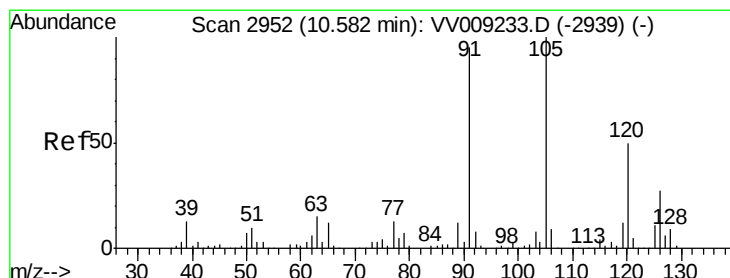
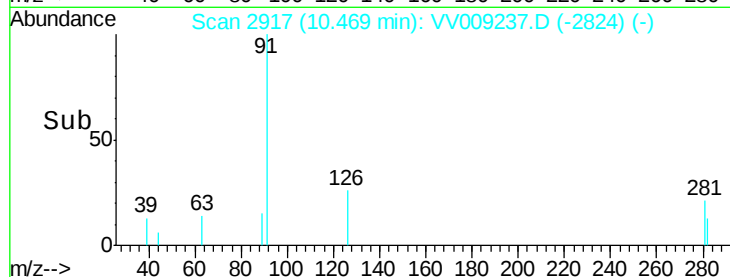
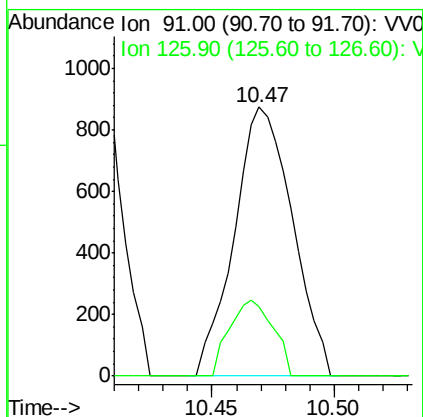
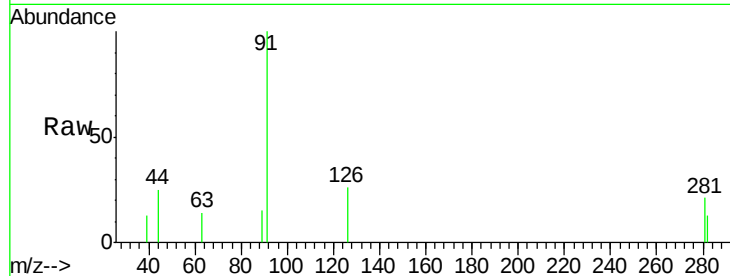




#79
2-Chlorotoluene
Concen: 0.424 ug/l
RT: 10.47 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

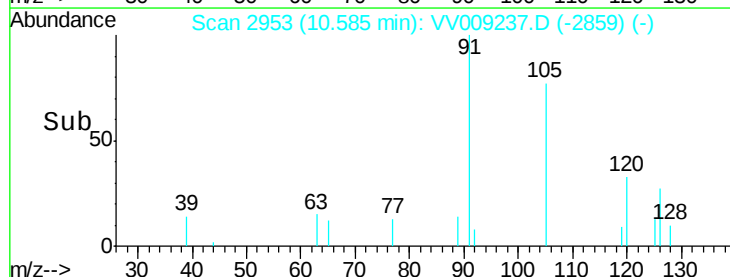
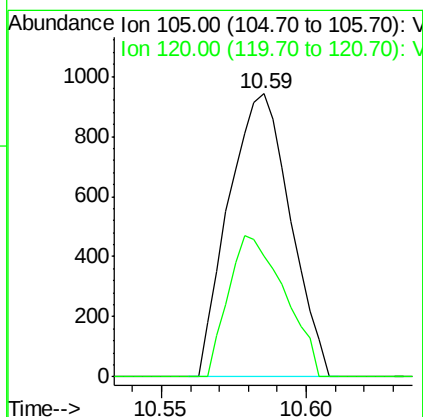
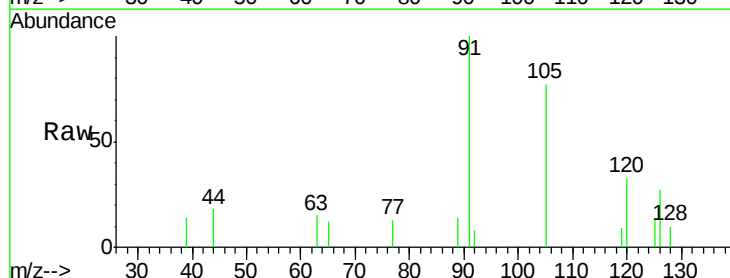
Instrument :
MSVOA_V
ClientSampleId :
VV0122SBL01

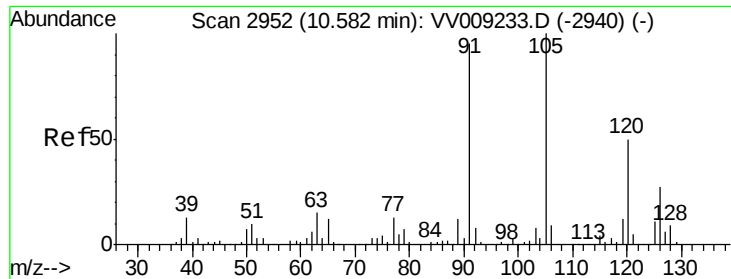
Tot Ion: 91 Resp: 1445
Ion Ratio Lower Upper
91 100
126 21.2 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 0.348 ug/l
RT: 10.59 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VV009237.D
Acq: 22 Jan 2019 15:59

Tgt Ion: 105 Resp: 1390
Ion Ratio Lower Upper
105 100
120 45.6 24.3 73.0





#82

4-Chlorotoluene

Concen: 0.521 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

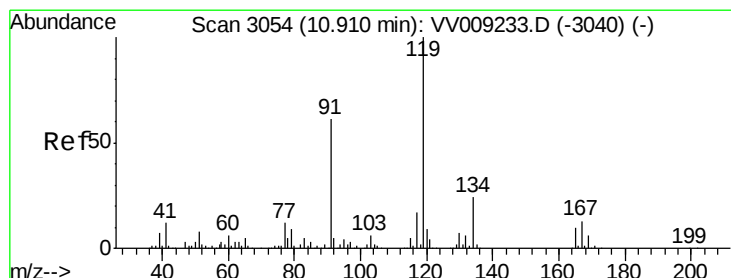
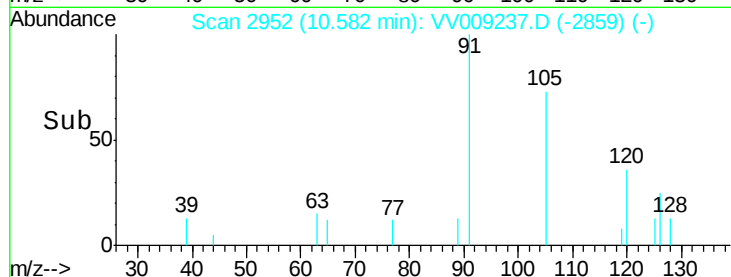
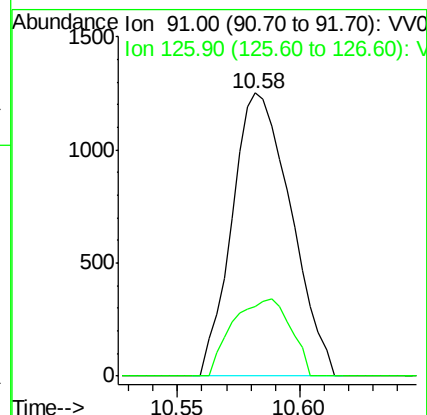
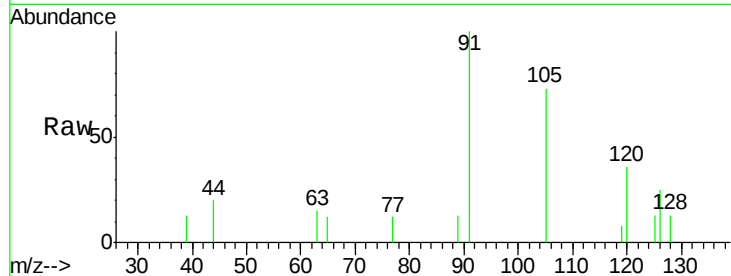
VV0122SBL01

Tot Ion: 91 Resp: 2095

Ion Ratio Lower Upper

91 100

126 26.9 14.3 42.9



#83

tert-Butylbenzene

Concen: 0.375 ug/l

RT: 10.91 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

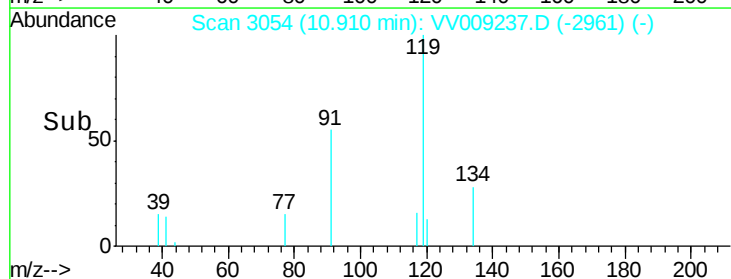
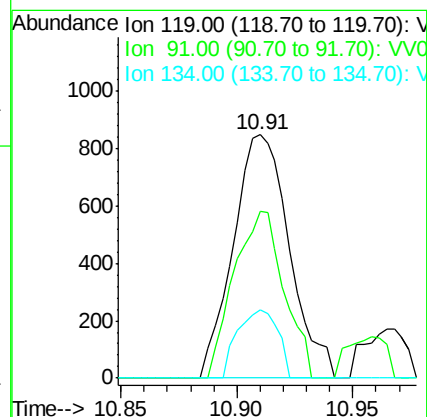
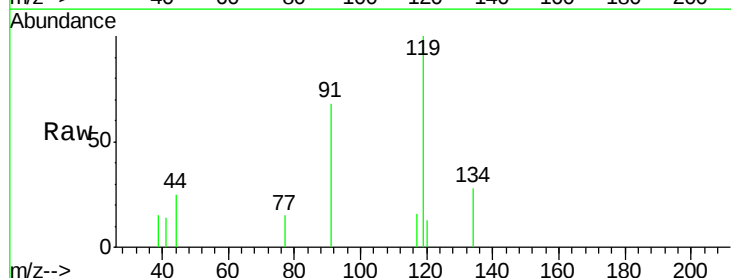
Tgt Ion: 119 Resp: 1428

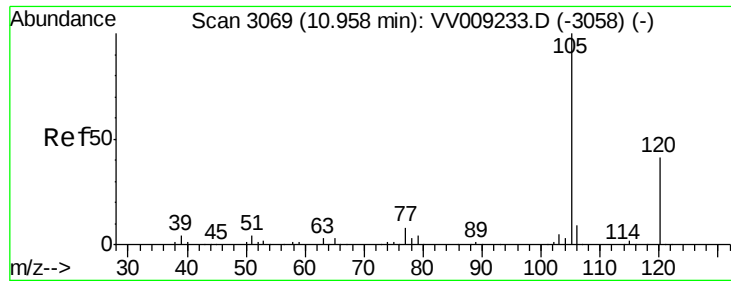
Ion Ratio Lower Upper

119 100

91 61.1 30.0 90.1

134 20.0 11.9 35.7

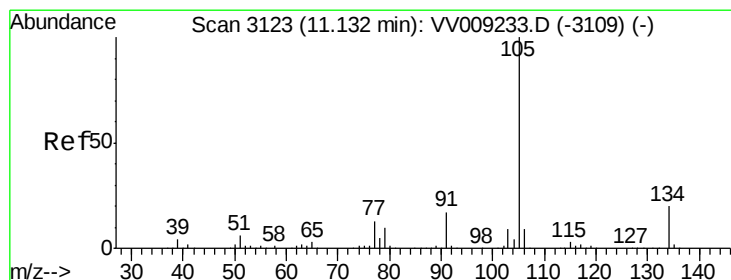
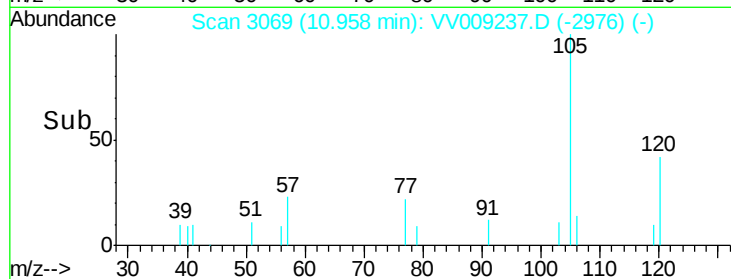
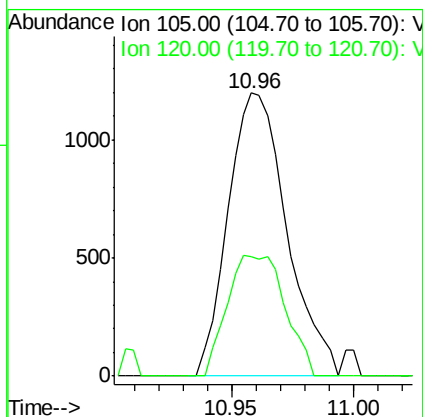
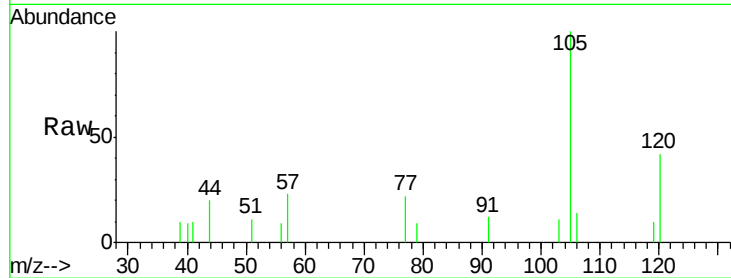




#84
 1,2,4-Trimethylbenzene
 Concen: 0.496 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009237.D
 Acq: 22 Jan 2019 15:59

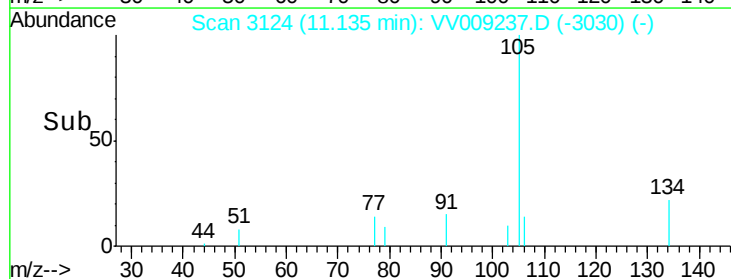
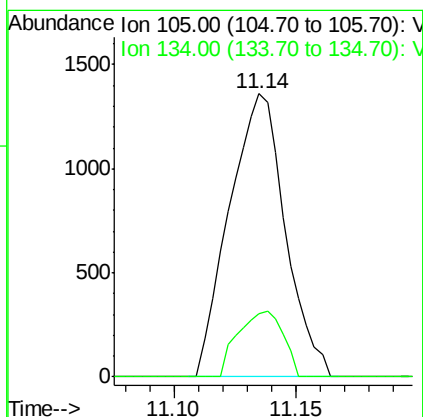
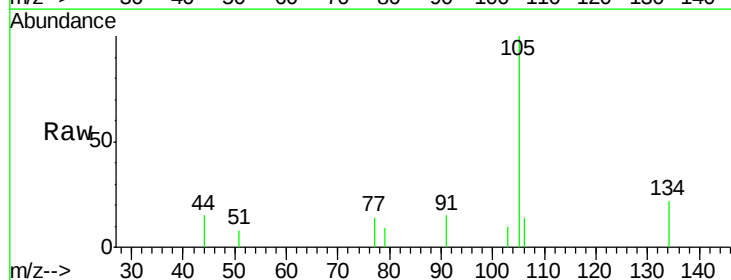
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBL01

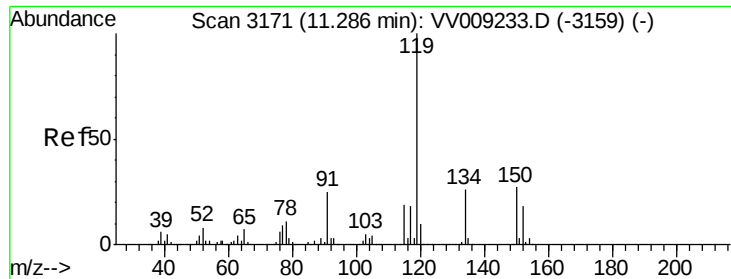
Tot Ion:105 Resp: 2002
 Ion Ratio Lower Upper
 105 100
 120 41.9 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 0.434 ug/l
 RT: 11.14 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VV009237.D
 Acq: 22 Jan 2019 15:59

Tgt Ion:105 Resp: 2163
 Ion Ratio Lower Upper
 105 100
 134 18.6 10.1 30.3

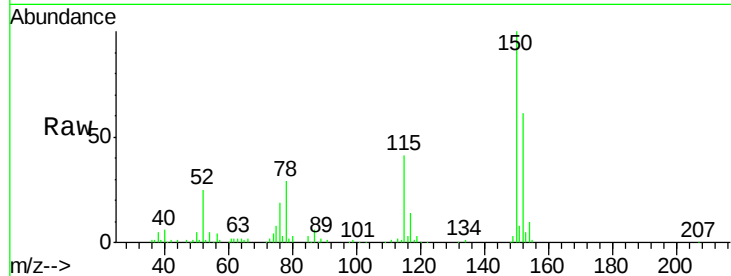




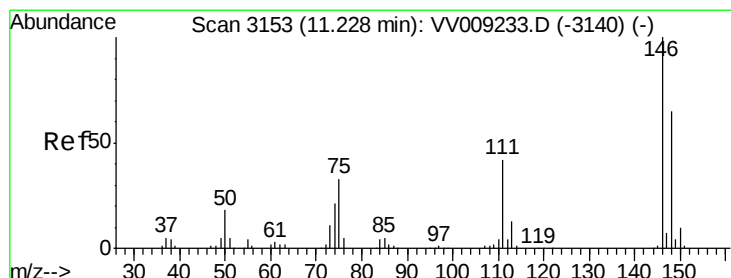
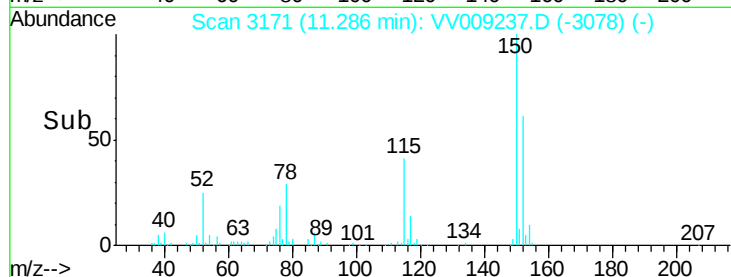
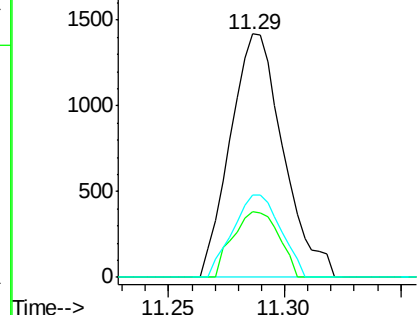
#86
 p-Isopropyltoluene
 Concen: 0.515 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VV009237.D
 Acq: 22 Jan 2019 15:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBL01

Tot Ion:119 Resp: 2247
 Ion Ratio Lower Upper
 119 100
 134 23.5 13.0 38.9
 91 30.5 12.4 37.2

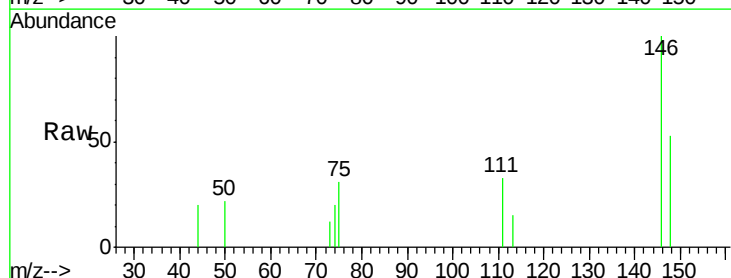


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

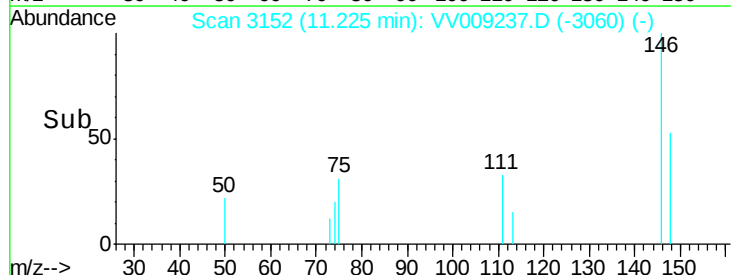
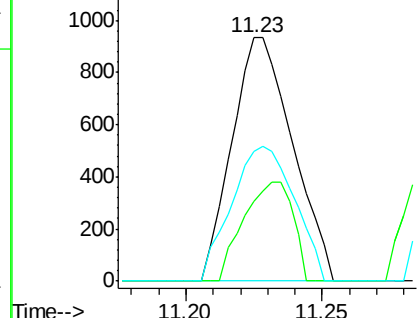


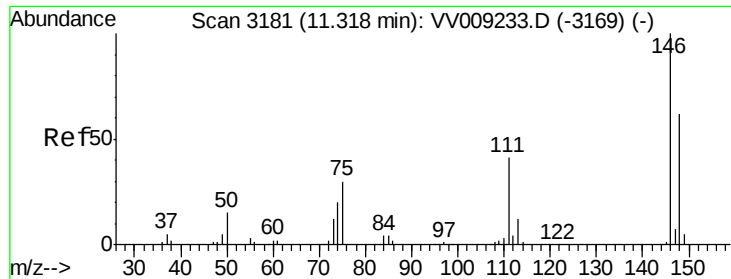
#87
 1,3-Dichlorobenzene
 Concen: 0.679 ug/l
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009237.D
 Acq: 22 Jan 2019 15:59

Tgt Ion:146 Resp: 1439
 Ion Ratio Lower Upper
 146 100
 111 33.1 21.1 63.4
 148 57.3 32.1 96.3



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

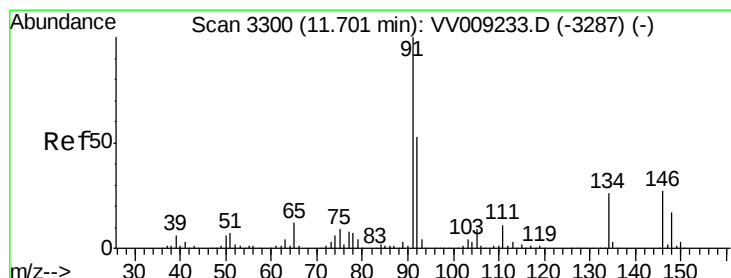
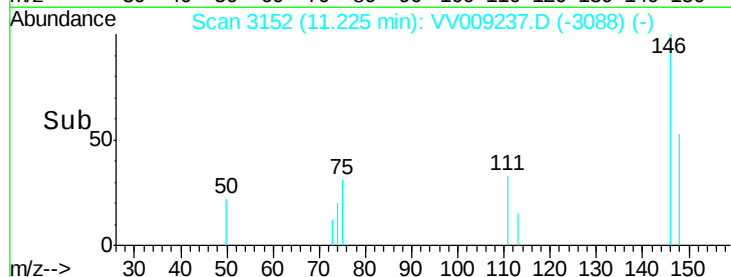
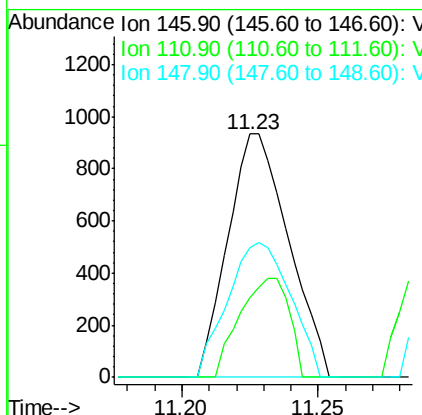
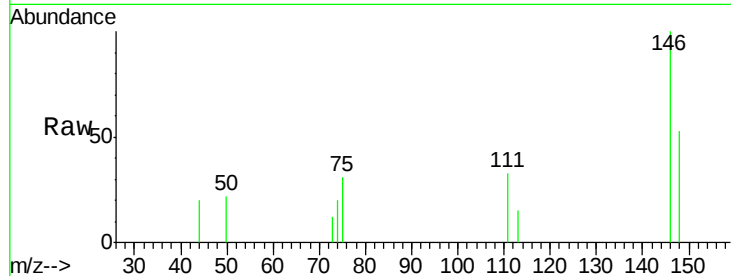




#88
 1,4-Dichlorobenzene
 Concen: 0.672 ug/l
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.09 min
 Lab File: VV009237.D
 Acq: 22 Jan 2019 15:59

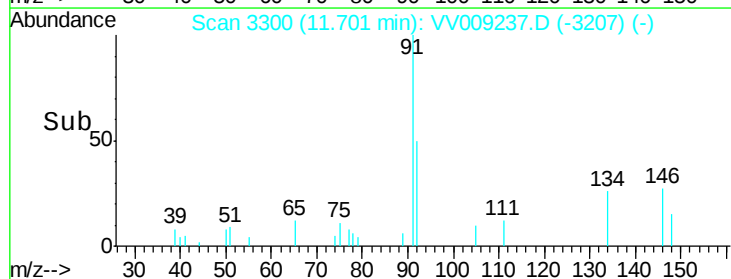
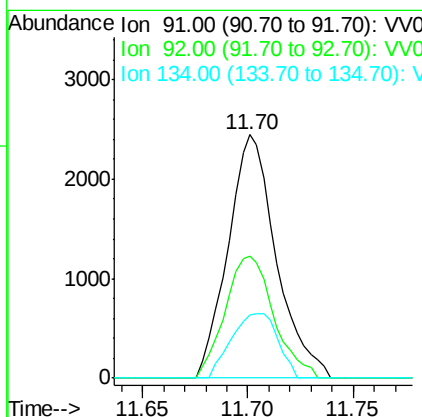
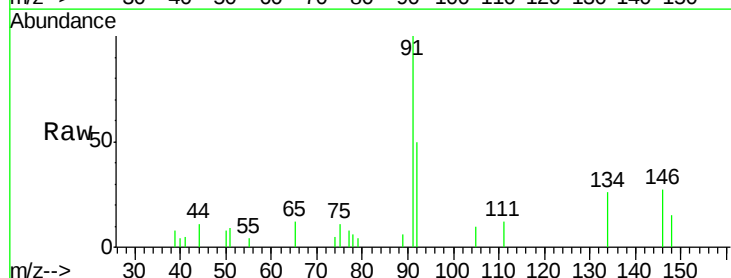
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0122SBL01

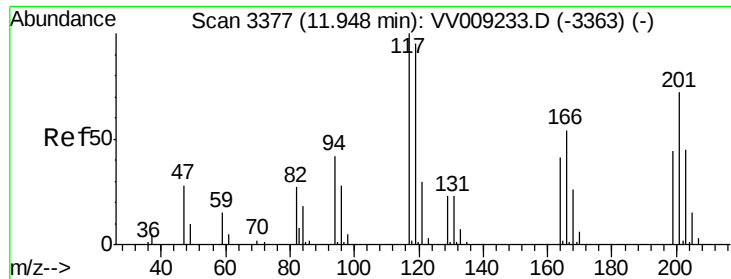
Tot Ion:146 Resp: 1439
 Ion Ratio Lower Upper
 146 100
 111 33.1 20.5 61.5
 148 57.3 31.4 94.3



#89
 n-Butylbenzene
 Concen: 0.915 ug/l
 RT: 11.70 min Scan# 3300
 Delta R.T. 0.00 min
 Lab File: VV009237.D
 Acq: 22 Jan 2019 15:59

Tgt Ion: 91 Resp: 3877
 Ion Ratio Lower Upper
 91 100
 92 50.4 27.2 81.5
 134 25.5 12.6 37.8





#90

Hexachloroethane

Concen: 0.125 ug/l

RT: 11.95 min Scan# 3377

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

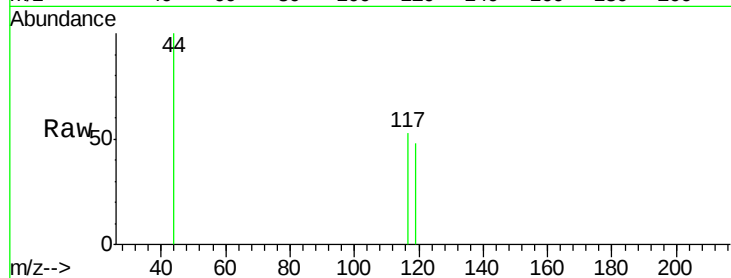
VV0122SBL01

Tot Ion:117 Resp: 97

Ion Ratio Lower Upper

117 100

201 0.0 35.2 105.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

11.95

150

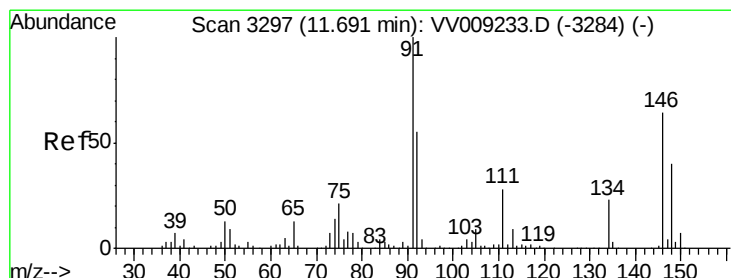
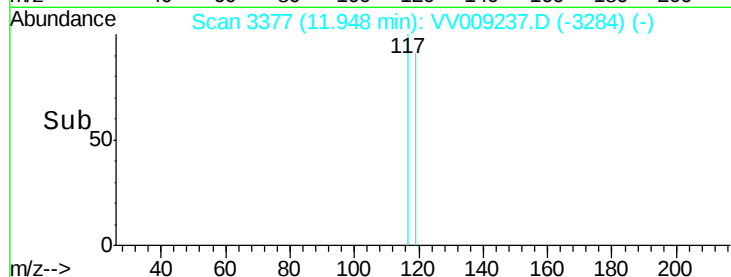
100

50

0

11.94 11.96

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.692 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

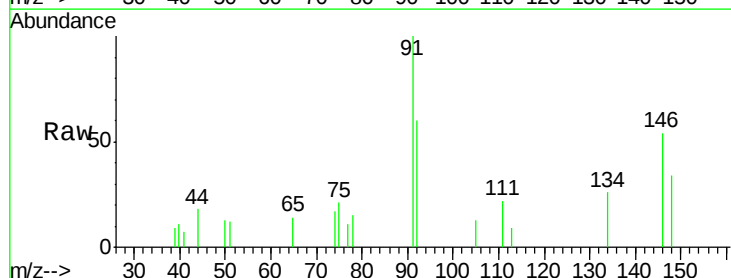
Tgt Ion:146 Resp: 1293

Ion Ratio Lower Upper

146 100

111 38.7 21.9 65.8

148 56.4 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

11.69

1000

800

600

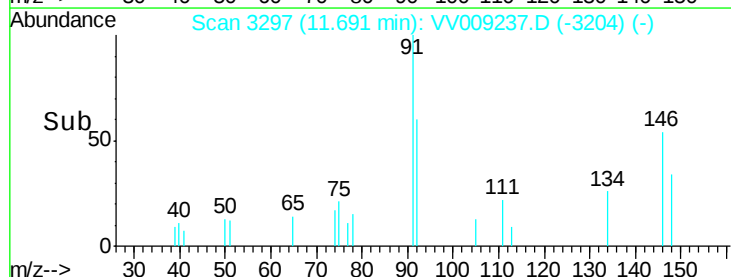
400

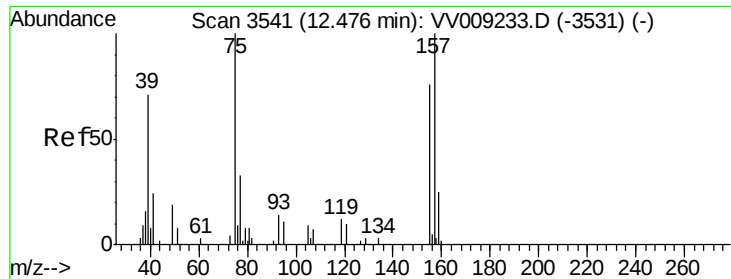
200

0

11.65 11.70

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.919 ug/l

RT: 12.30 min Scan# 3486

Delta R.T. -0.18 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBL01

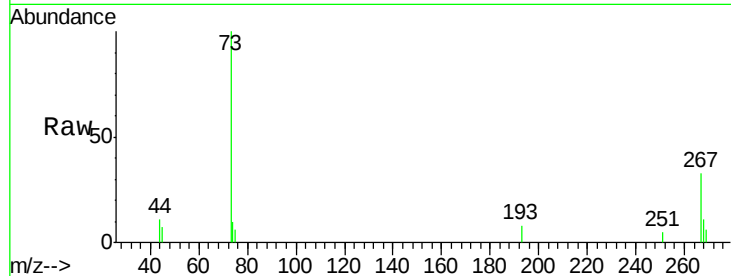
Tot Ion: 75 Resp: 124

Ion Ratio Lower Upper

75 100

155 0.0 38.0 114.0#

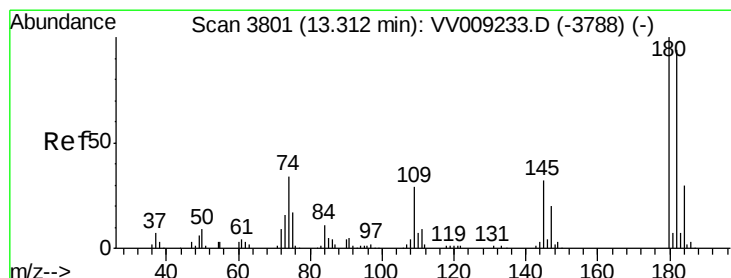
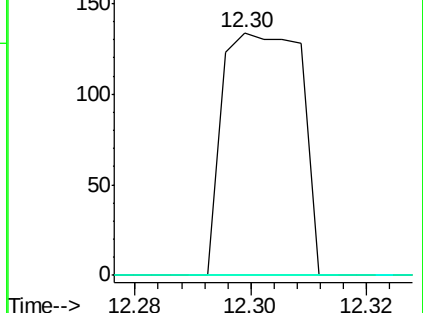
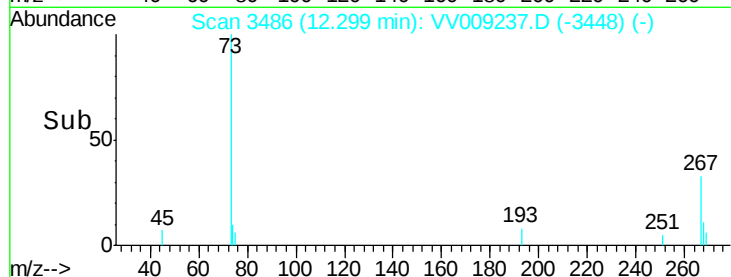
157 0.0 50.8 152.4#



Abundance Ion 74.90 (74.60 to 75.60): VV009237.D (-3448) (-)

Ion 154.80 (154.50 to 155.50): VV009237.D (-3448) (-)

Ion 156.80 (156.50 to 157.50): VV009237.D (-3448) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.278 ug/l

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VV009237.D

Acq: 22 Jan 2019 15:59

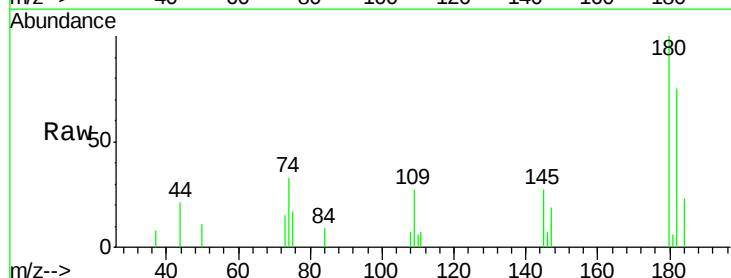
Tgt Ion: 180 Resp: 2742

Ion Ratio Lower Upper

180 100

182 84.3 47.1 141.4

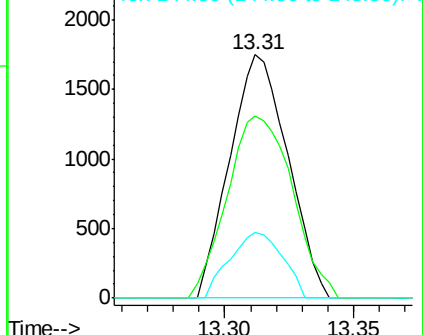
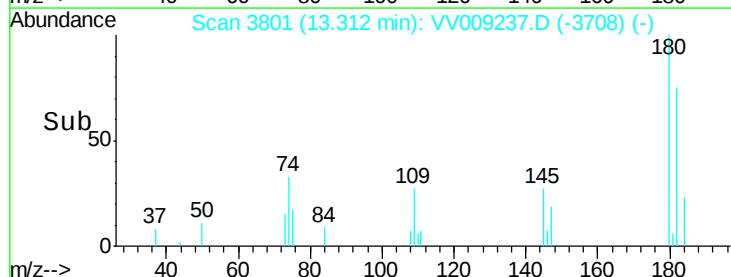
145 24.4 16.0 48.0

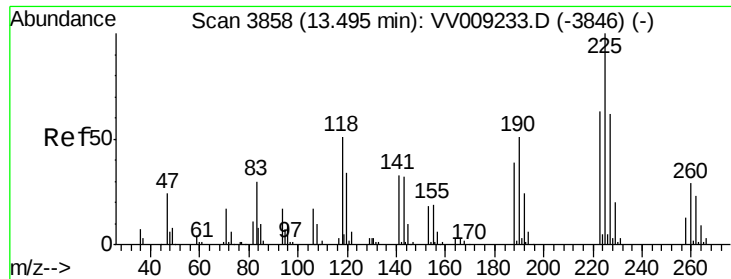


Abundance Ion 179.80 (179.50 to 180.50): VV009237.D (-3708) (-)

Ion 181.80 (181.50 to 182.50): VV009237.D (-3708) (-)

Ion 144.80 (144.50 to 145.50): VV009237.D (-3708) (-)





#94

Hexachlorobutadiene

Concen: 0.975 ug/l

RT: 13.50 min Scan# 3858

Delta R.T. 0.00 min

Lab File: VV009237.D

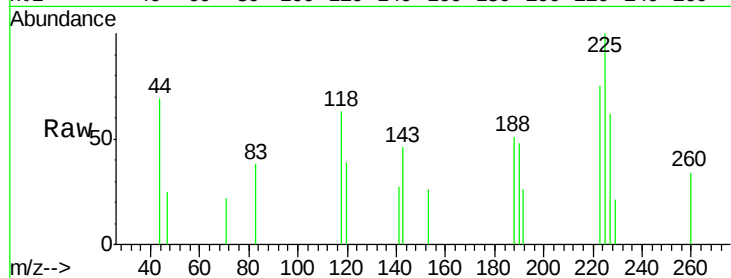
Acq: 22 Jan 2019 15:59

Instrument :

MSVOA_V

ClientSampleId :

VV0122SBL01



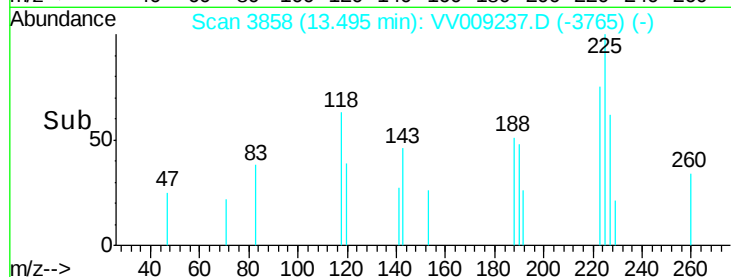
Tot Ion: 225 Resp: 727

Ion Ratio Lower Upper

225 100

223 62.3 31.7 95.1

227 59.4 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

600

500

400

300

200

100

0

13.50

13.45

Time--> 13.45