

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\
 Data File : VV007263.D
 Acq On : 30 Aug 2018 15:11
 Operator : SY/MD
 Sample : VSTD0.563
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 01:33:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR083018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 31 01:32:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	291203	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	287095	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	127772	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	15037	0.69	ug/L	0.00
7) Chloroethane-d5	1.58	69	10785	0.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	21669	0.58	ug/L	0.00
20) 2-Butanone-d5	3.97	46	22774	4.49	ug/L	0.00
24) Chloroform-d	4.40	84	24095	0.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	10924	0.52	ug/L	0.00
32) Benzene-d6	5.10	84	43594	0.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	14388	0.53	ug/L	0.00
41) Toluene-d8	7.36	98	35491	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4794	0.50	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	11973	4.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	9936	0.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	13522	0.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10042	0.446 ug/L	91
3) Chloromethane	1.25	50	14690	0.603 ug/L	98
5) Vinyl chloride	1.32	62	12242	0.523 ug/L	99
6) Bromomethane	1.54	94	5683	0.629 ug/L	98
8) Chloroethane	1.60	64	6921	0.493 ug/L	91
9) Trichlorofluoromethane	1.77	101	14819	0.464 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9019	0.454 ug/L	97
12) 1,1-Dichloroethene	2.14	96	9057	0.504 ug/L #	83
13) Acetone	2.21	43	18249	7.109 ug/L	96
14) Carbon disulfide	2.32	76	30129	0.552 ug/L	98
15) Methyl Acetate	2.47	43	3938	0.578 ug/L	99
16) Methylene chloride	2.54	84	15865	0.735 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	19892	0.442 ug/L #	95
18) trans-1,2-Dichloroethene	2.79	96	10266	0.513 ug/L	97
19) 1,1-Dichloroethane	3.23	63	18651	0.475 ug/L	96
21) 2-Butanone	4.05	43	20296	3.885 ug/L	79
22) cis-1,2-Dichloroethene	3.97	96	10780	0.474 ug/L	100
23) Bromochloromethane	4.30	128	4531	0.445 ug/L	95
25) Chloroform	4.43	83	18503	0.461 ug/L	95
27) 1,2-Dichloroethane	5.19	62	10315	0.441 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	15608	0.465 ug/L	97
30) Cyclohexane	4.73	56	12122	0.400 ug/L	95
31) Carbon tetrachloride	4.88	117	12774	0.446 ug/L	98
33) Benzene	5.15	78	37322	0.433 ug/L	100
34) Trichloroethene	5.97	95	9761	0.451 ug/L	96
35) Methylcyclohexane	6.18	83	12250	0.380 ug/L	97
37) 1,2-Dichloropropane	6.23	63	10182	0.449 ug/L	100
38) Bromodichloromethane	6.56	83	12078	0.446 ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	10804	0.384 ug/L	95
40) 4-Methyl-2-pentanone	7.29	43	37214	3.225 ug/L	98

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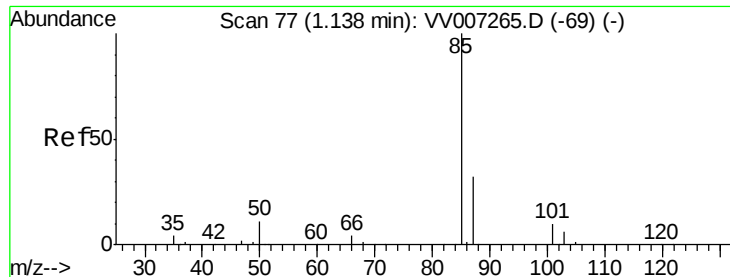
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 01:33:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR083018WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.44	91	33696	0.396	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	8791	0.373	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	6719	0.420	ug/L	96
47) Tetrachloroethene	8.02	164	7965	0.444	ug/L	98
48) 2-Hexanone	8.20	43	24265	2.833	ug/L	98
49) Dibromochloromethane	8.30	129	7587	0.417	ug/L	96
50) 1,2-Dibromoethane	8.40	107	5775	0.419	ug/L #	90
51) Chlorobenzene	8.93	112	24665	0.432	ug/L	98
52) Ethylbenzene	9.06	91	31739	0.371	ug/L	98
53) m,p-xylene	9.19	106	12053	0.366	ug/L	94
54) o-xylene	9.59	106	10398	0.341	ug/L	88
55) Styrene	9.61	104	18839	0.351	ug/L	91
56) Isopropylbenzene	9.98	105	27580	0.343	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	7732	0.412	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	5425	0.403	ug/L	90
61) Bromoform	9.78	173	3991	0.423	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	16154	0.422	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	17131	0.422	ug/L	96
65) 1,2-Dichlorobenzene	11.70	146	16426	0.428	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1155	0.502	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	13550	0.473	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	9998	0.507	ug/L	94
69) Naphthalene	13.56	128	15195	0.585	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	10387	0.539	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.446 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

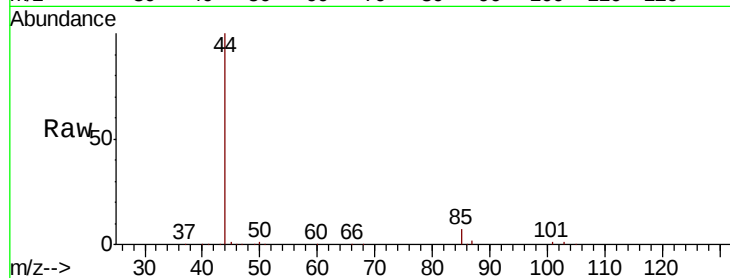
ClientSampleId :

Tot Ion: 85 Resp: 10042

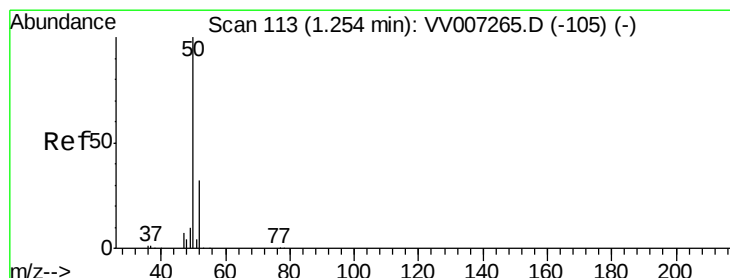
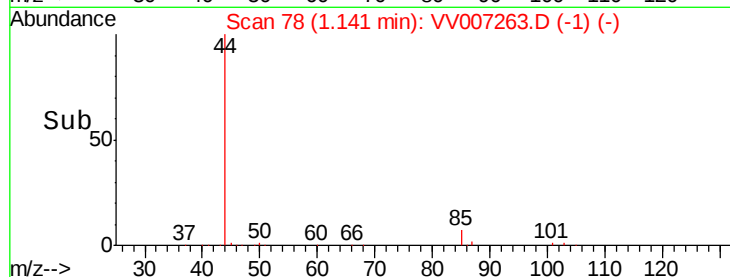
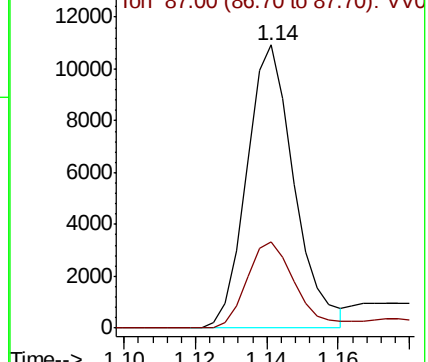
Ion Ratio Lower Upper

85 100

87 31.2 21.4 32.0



Abundance Ion 85.00 (84.70 to 85.70): VV007263.D (-1) (-)



#3

Chloromethane

Concen: 0.603 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007263.D

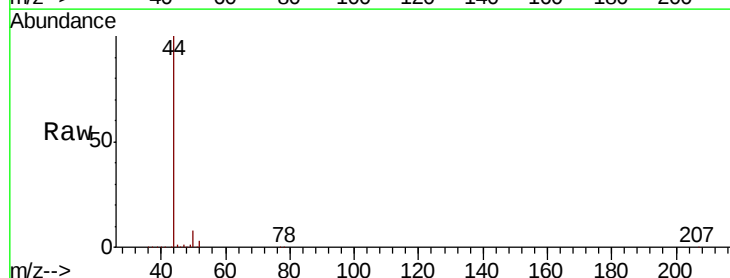
Acq: 30 Aug 2018 15:11

Tgt Ion: 50 Resp: 14690

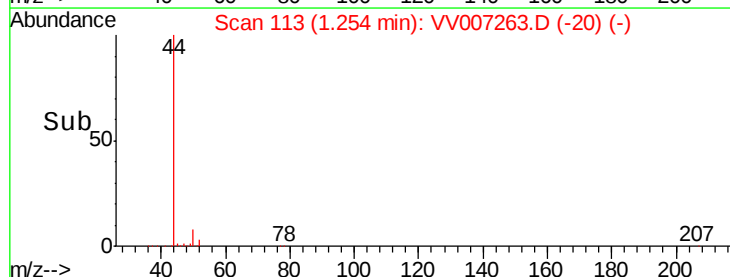
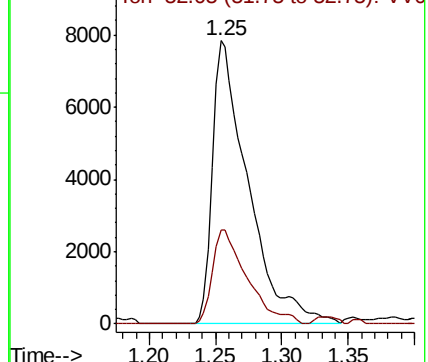
Ion Ratio Lower Upper

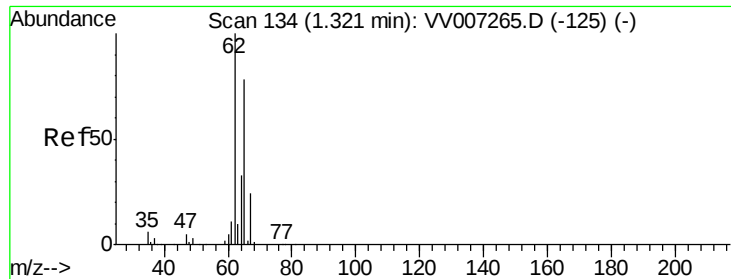
50 100

52 33.2 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VV007263.D (-20) (-)





#5

Vinyl chloride

Concen: 0.523 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

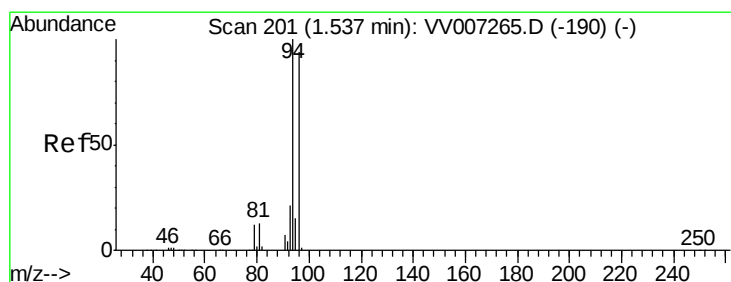
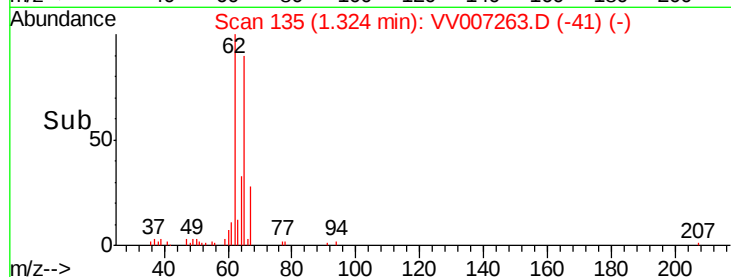
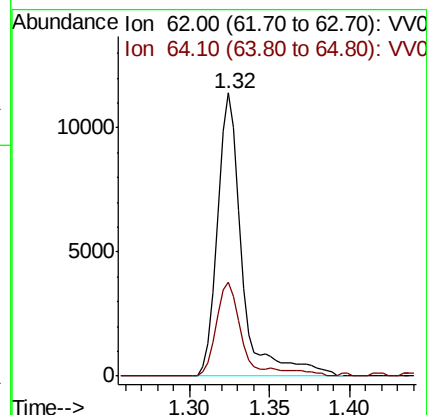
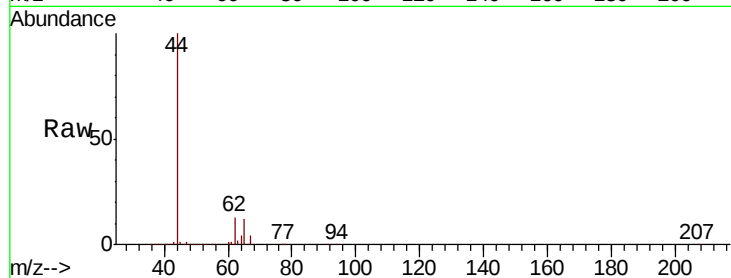
ClientSampled :

Tot Ion: 62 Resp: 12242

Ion Ratio Lower Upper

62 100

64 33.1 22.8 42.4



#6

Bromomethane

Concen: 0.629 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV007263.D

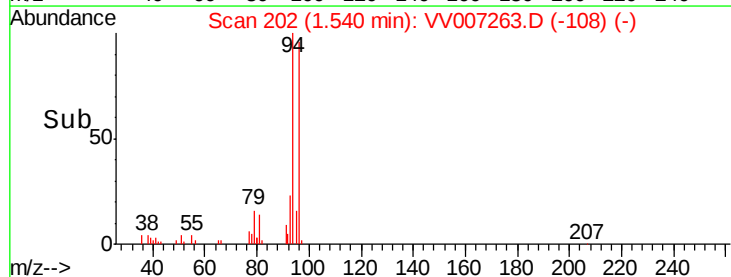
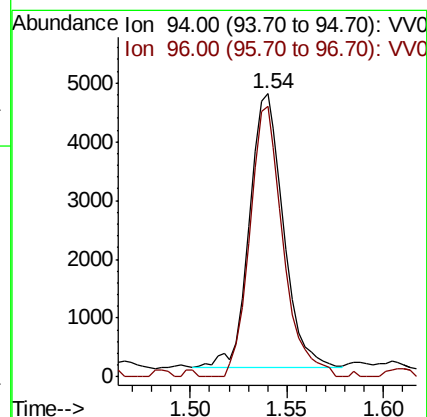
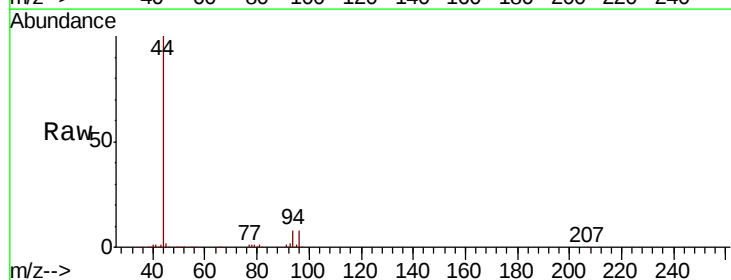
Acq: 30 Aug 2018 15:11

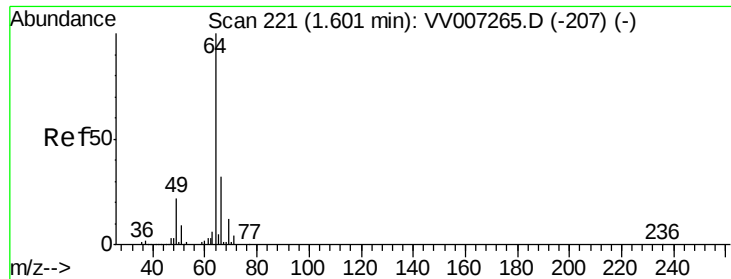
Tgt Ion: 94 Resp: 5683

Ion Ratio Lower Upper

94 100

96 95.6 65.8 122.2

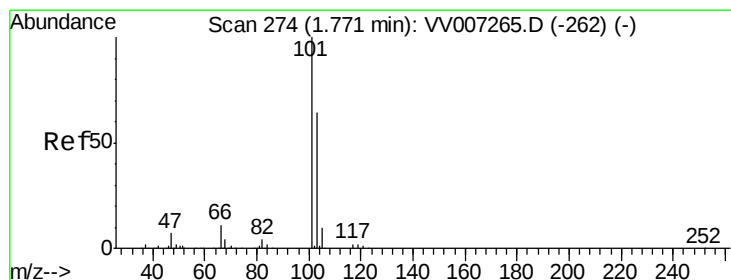
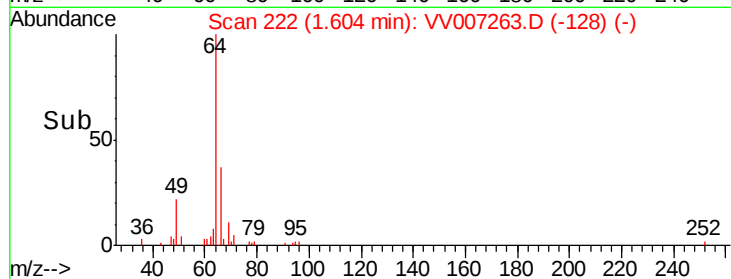
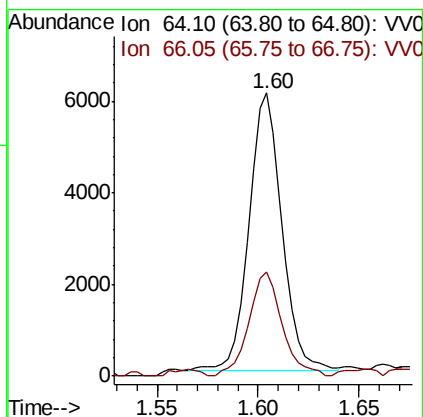
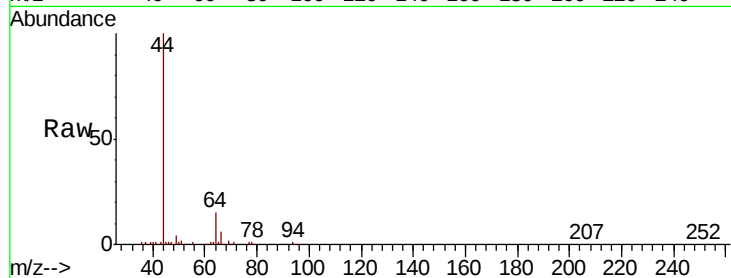




#8
Chloroethane
Concen: 0.493 ug/L
RT: 1.60 min Scan# 222
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

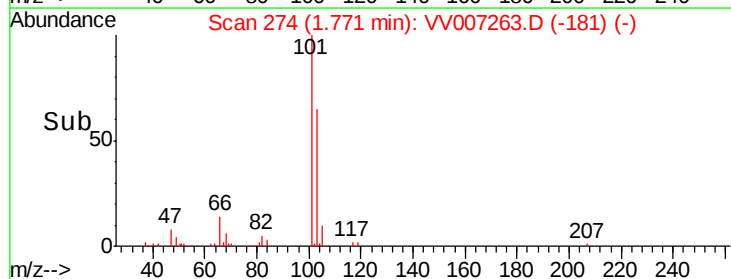
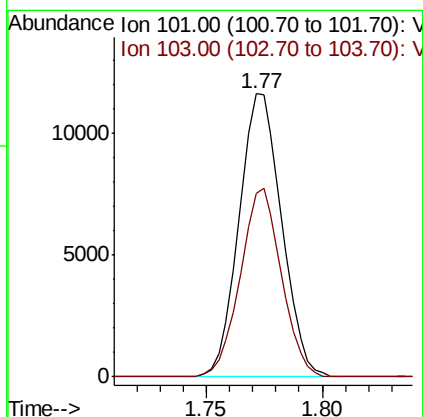
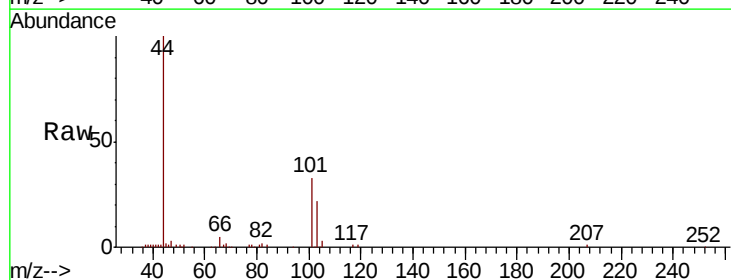
Instrument :
MSVOA_V
ClientSampleId :

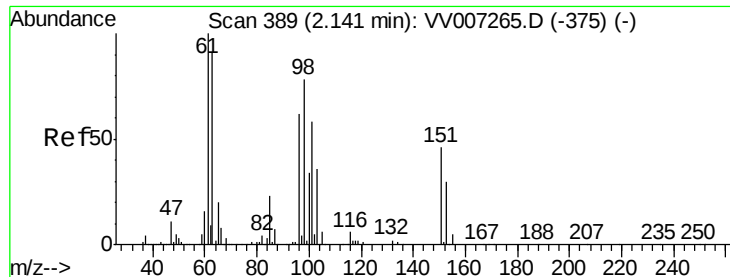
Tot Ion: 64 Resp: 6921
Ion Ratio Lower Upper
64 100
66 36.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 0.464 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

Tgt Ion:101 Resp: 14819
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0





#10

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

Concen: 0.454 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

ClientSampleId :

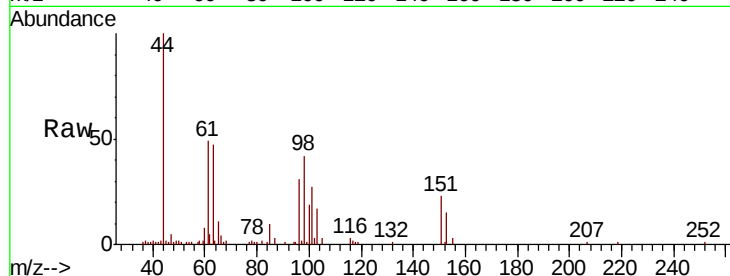
Tot Ion:101 Resp: 9019

Ion Ratio Lower Upper

101 100

85 38.3 32.4 48.6

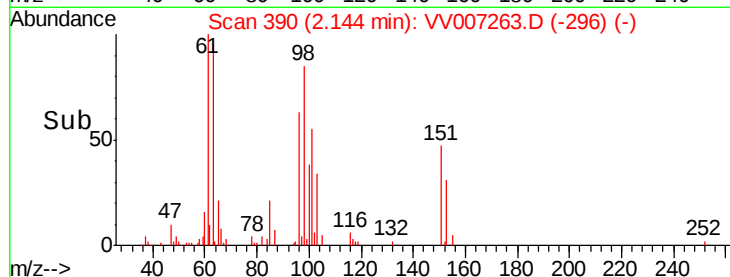
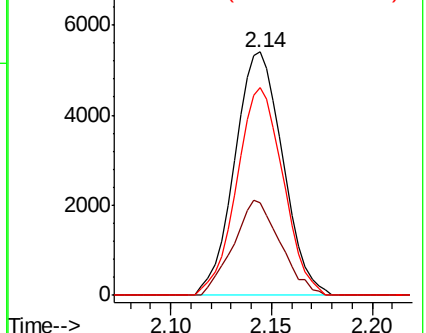
151 82.4 64.2 96.2



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: 0.504 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

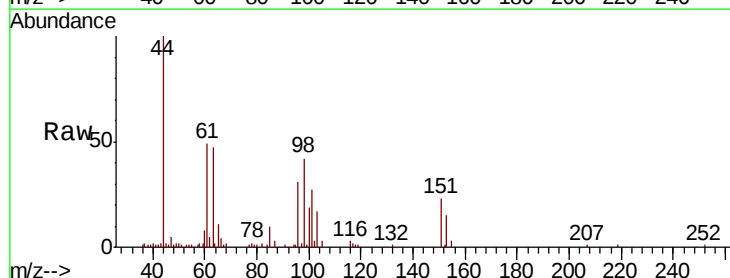
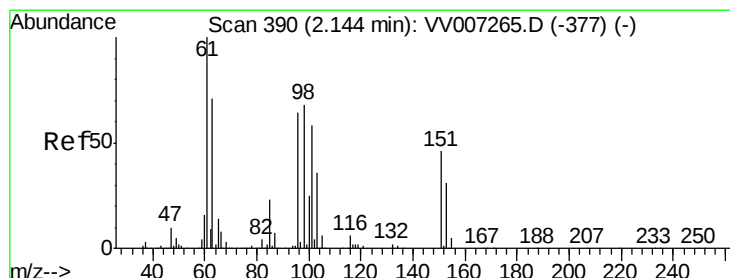
Tgt Ion: 96 Resp: 9057

Ion Ratio Lower Upper

96 100

61 159.2 108.8 202.0

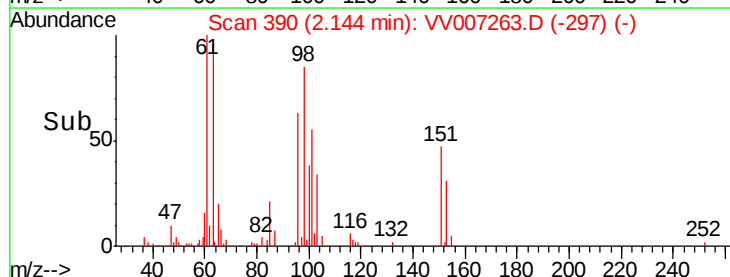
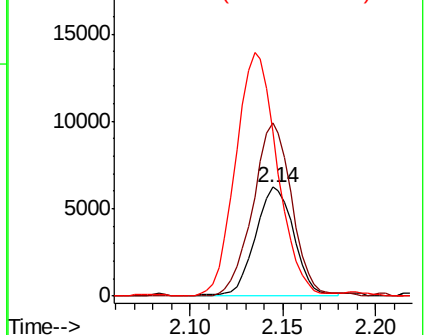
63 151.2 78.0 144.9#

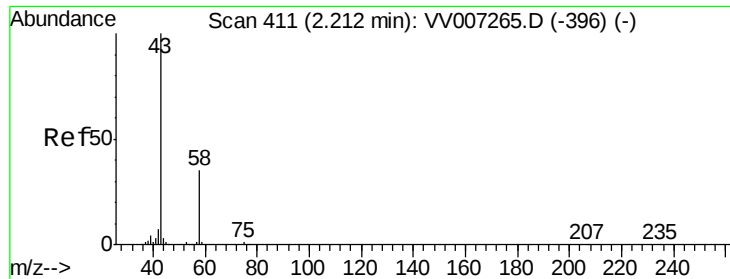


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.109 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

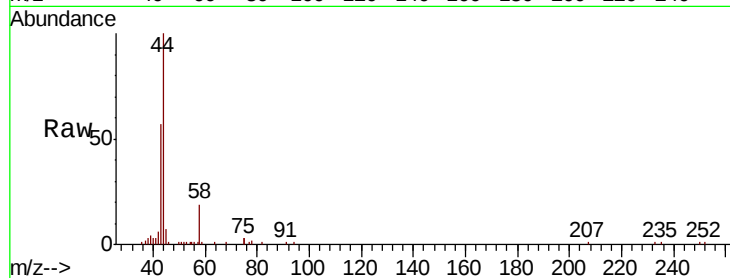
ClientSampled :

Tot Ion: 43 Resp: 18249

Ion Ratio Lower Upper

43 100

58 38.3 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VV007265.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007265.D (-396) (-)

2.21

10000

8000

6000

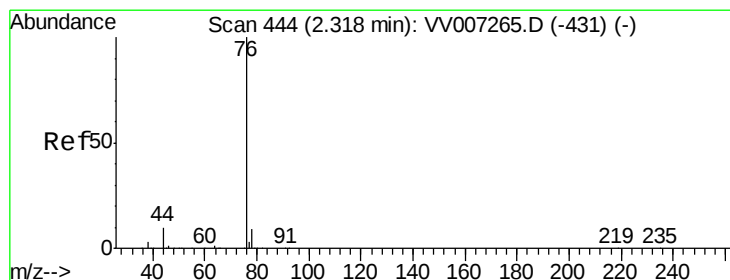
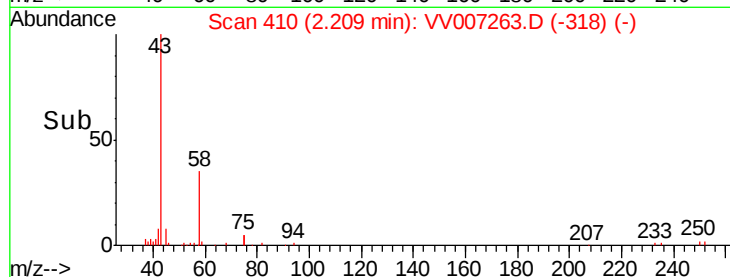
4000

2000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.552 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007263.D

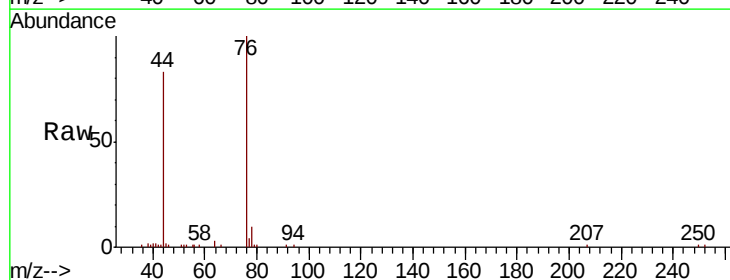
Acq: 30 Aug 2018 15:11

Tgt Ion: 76 Resp: 30129

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007265.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007265.D (-431) (-)

2.32

20000

15000

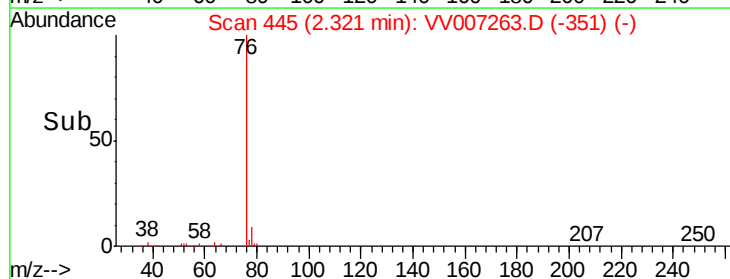
10000

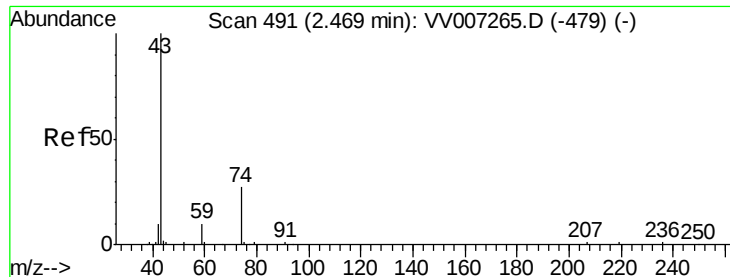
5000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 0.578 ug/L

RT: 2.47 min Scan# 492

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

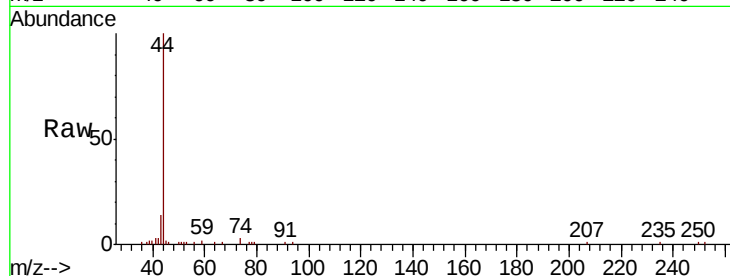
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 3938

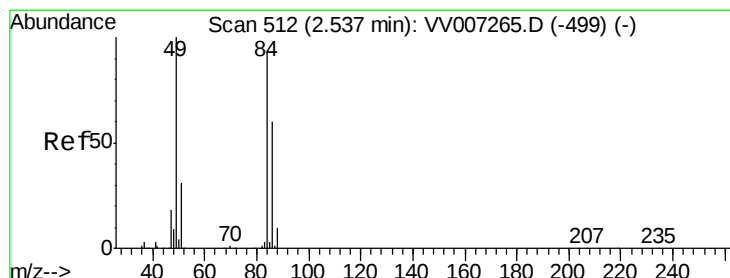
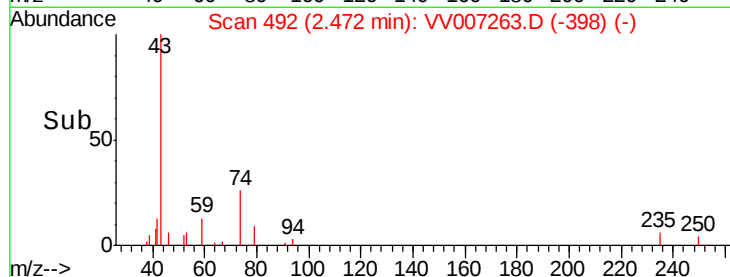
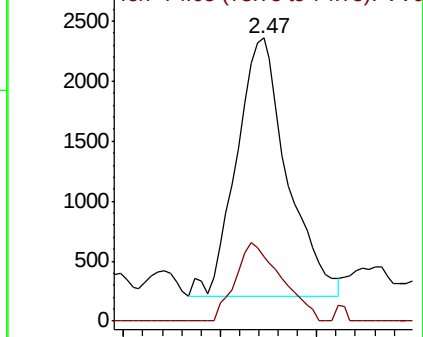
Ion Ratio Lower Upper

43 100

74 27.6 22.5 33.7



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.735 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

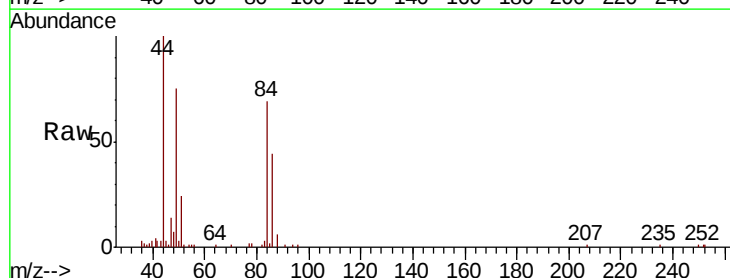
Tgt Ion: 84 Resp: 15865

Ion Ratio Lower Upper

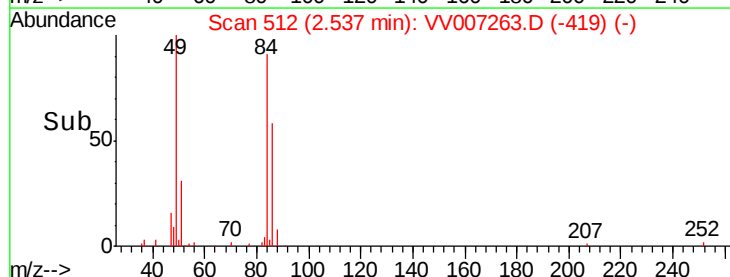
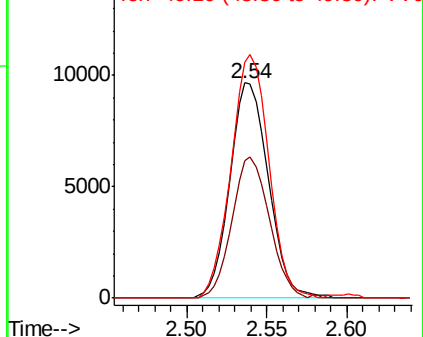
84 100

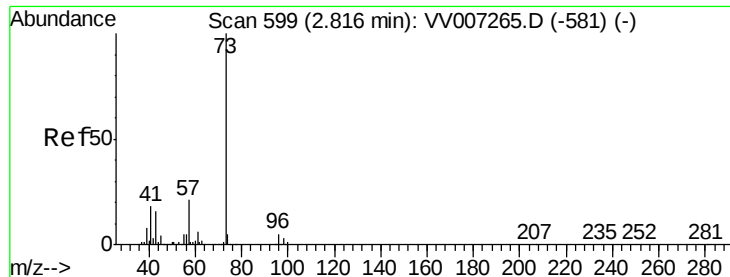
86 63.9 44.8 83.2

49 110.0 75.2 139.6



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

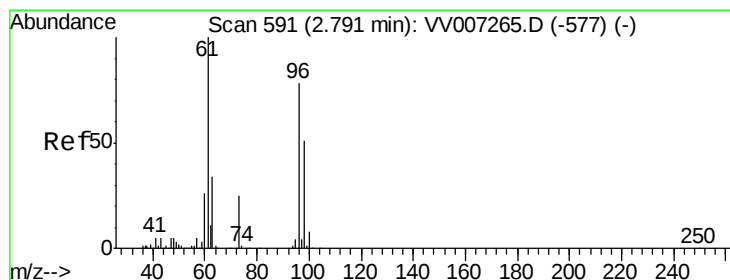
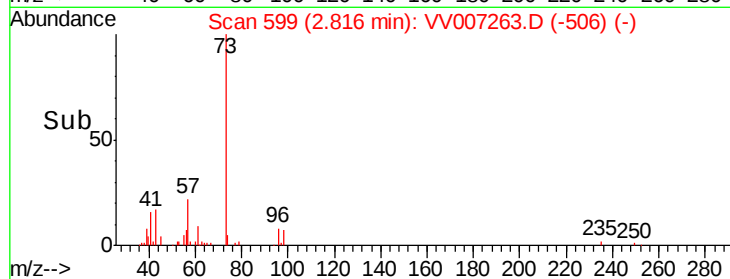
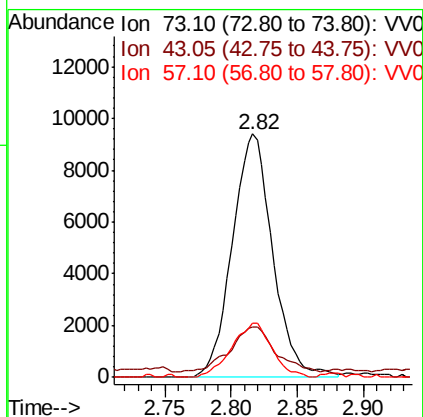
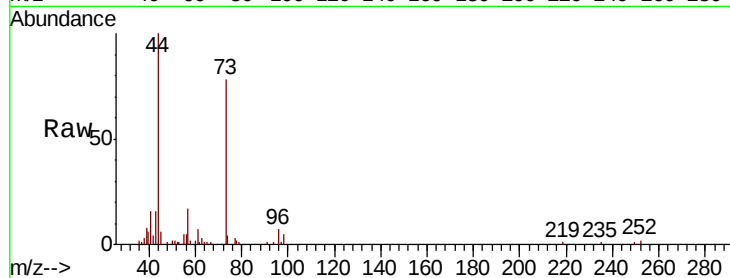




#17
Methvl tert-butvl Ether
Concen: 0.442 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

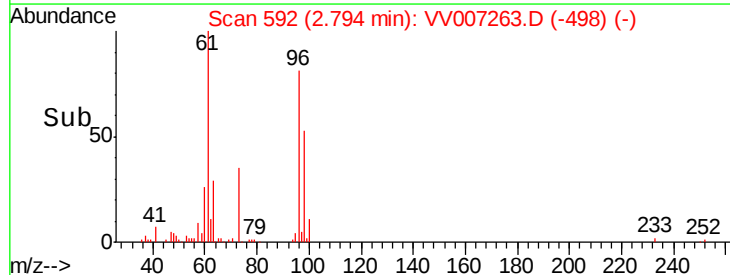
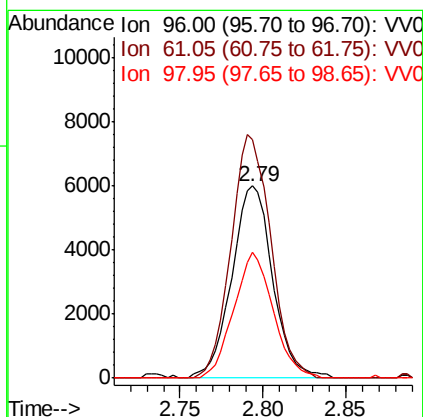
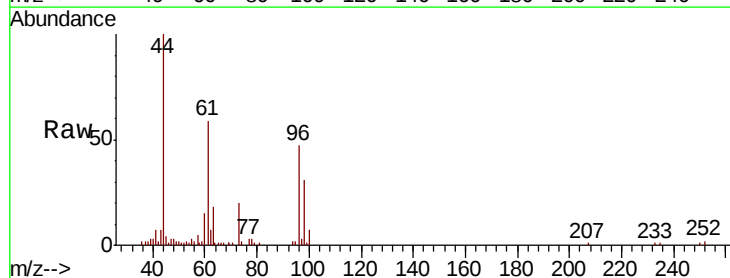
Instrument :
MSVOA_V
ClientSampleId :

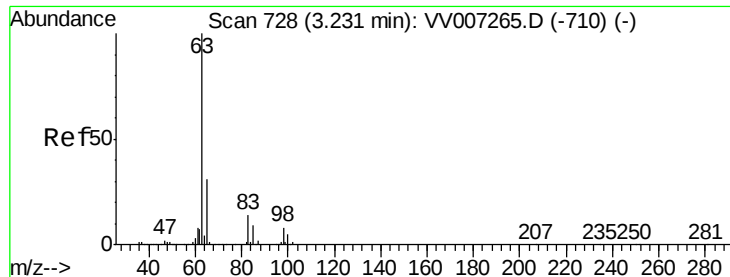
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.8	13.2	19.8#
57	22.2	17.3	25.9



#18
trans-1,2-Dichloroethene
Concen: 0.513 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.8	89.5	166.3
98	65.2	45.3	84.1

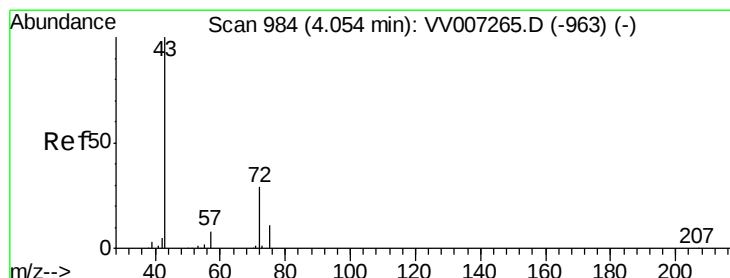
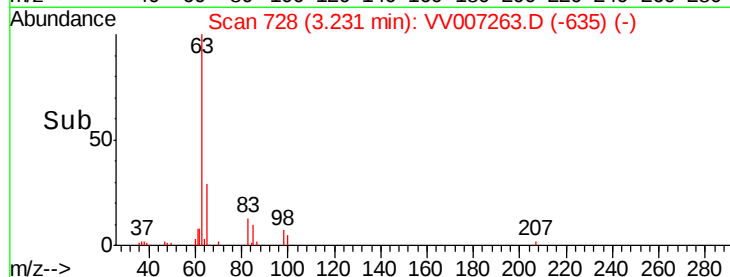
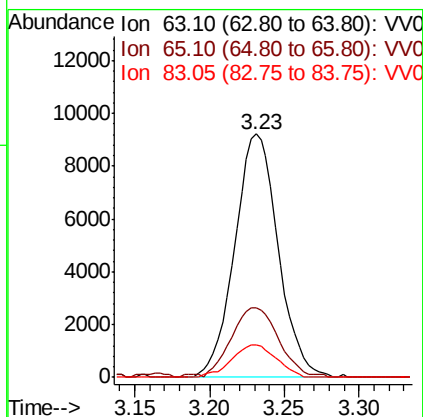
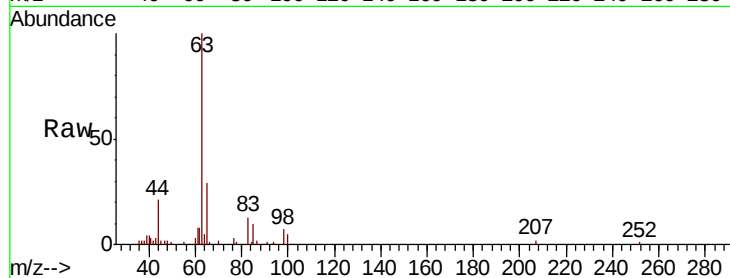




#19
 1,1-Dichloroethane
 Concen: 0.475 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007263.D
 Acq: 30 Aug 2018 15:11

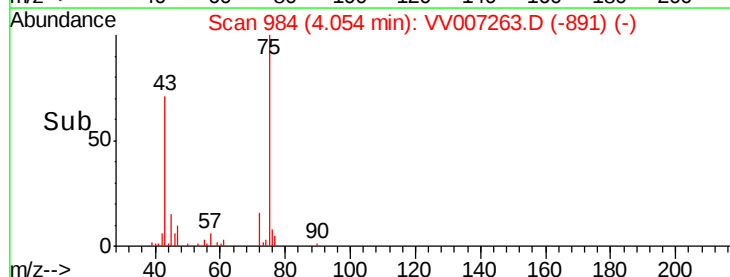
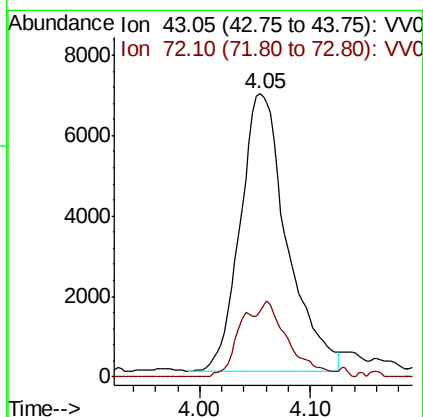
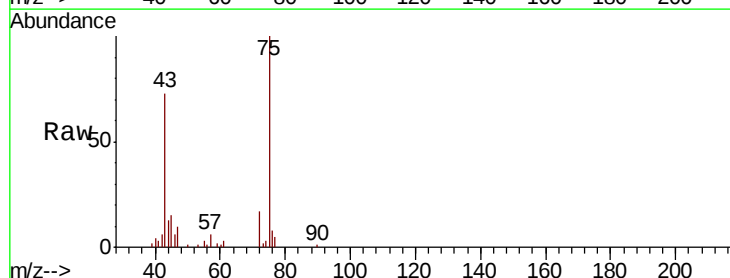
Instrument :
 MSVOA_V
 ClientSampled :

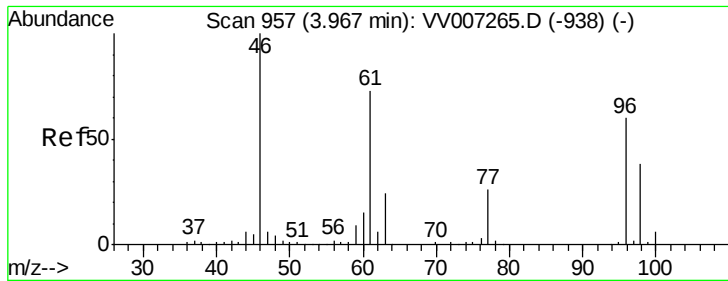
Tot Ion	63	Resp	18651
Ion Ratio	Lower	Upper	
63	100		
65	28.8	22.1	41.1
83	13.4	9.4	17.6



#21
 2-Butanone
 Concen: 3.885 ug/L
 RT: 4.05 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VV007263.D
 Acq: 30 Aug 2018 15:11

Tgt Ion	43	Resp	20296
Ion Ratio	Lower	Upper	
43	100		
72	16.9	14.1	42.3



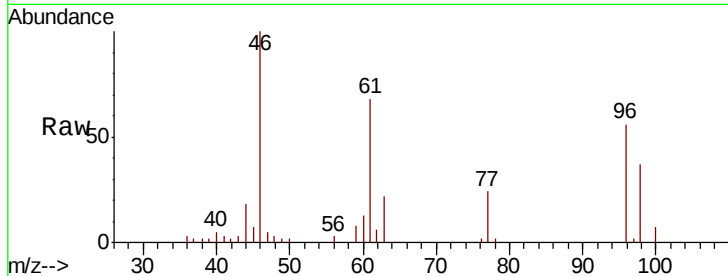


#22

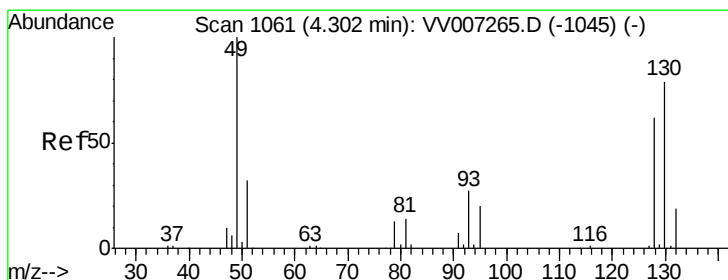
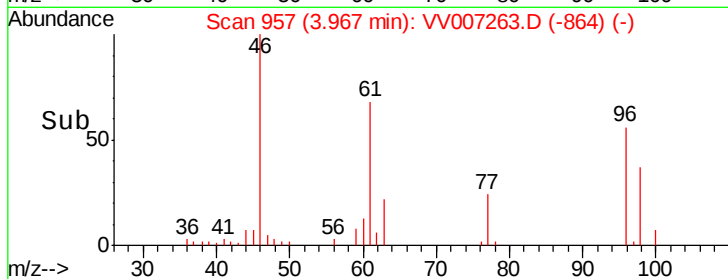
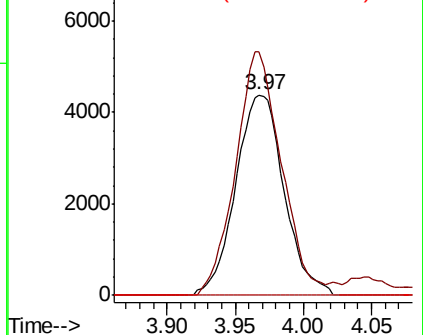
cis-1,2-Dichloroethene
Concen: 0.474 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.4	85.4	158.6
68	0.0	0.0	0.0



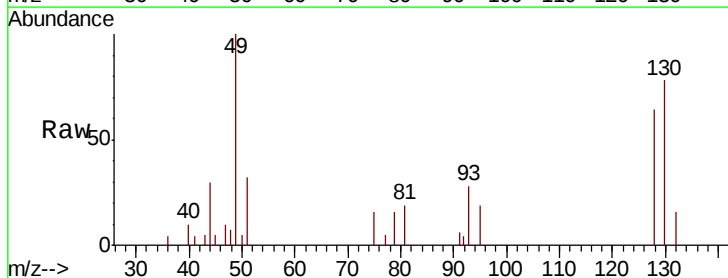
Abundance Ion 96.00 (95.70 to 96.70): VV007263.D (-964) (-)
Ion 61.05 (60.75 to 61.75): VV007263.D (-964) (-)
Ion 68.15 (67.85 to 68.85): VV007263.D (-964) (-)



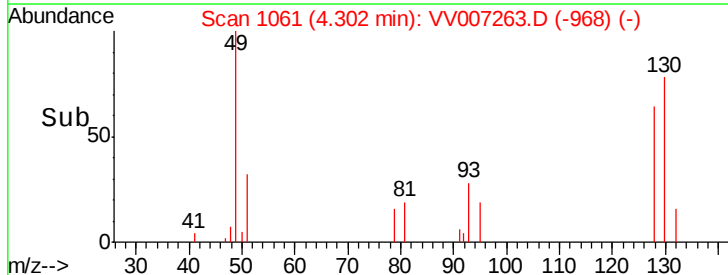
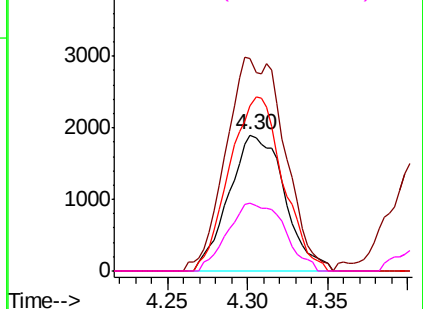
#23

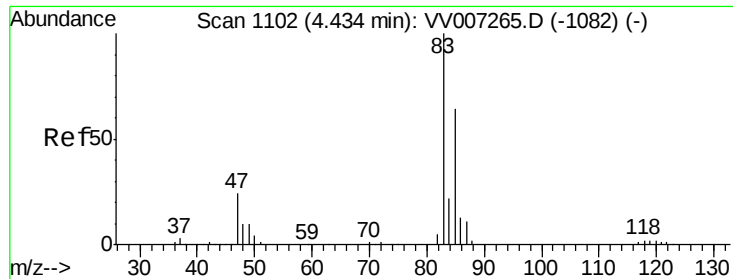
Bromochloromethane
Concen: 0.445 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
128	100		
49	155.5	113.1	210.1
130	120.9	88.8	165.0
51	49.9	41.9	62.9



Abundance Ion 127.90 (127.60 to 128.60): VV007263.D (-968) (-)
Ion 49.10 (48.80 to 49.80): VV007263.D (-968) (-)
Ion 129.95 (129.65 to 130.65): VV007263.D (-968) (-)
Ion 51.05 (50.75 to 51.75): VV007263.D (-968) (-)

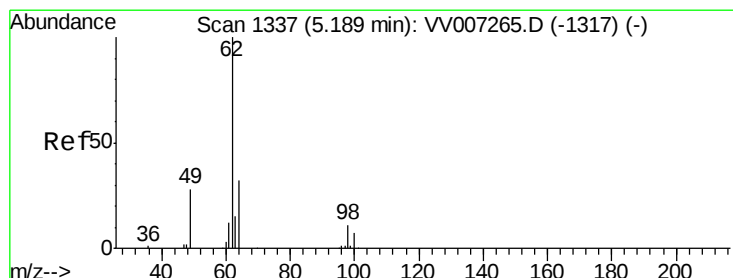
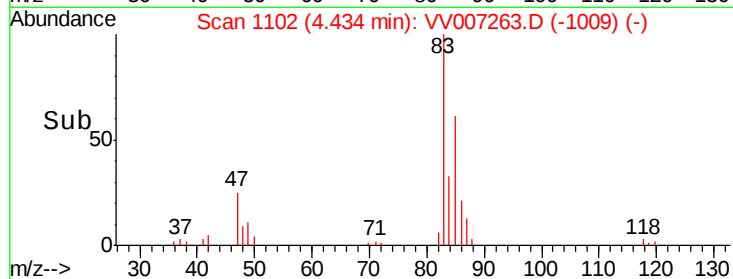
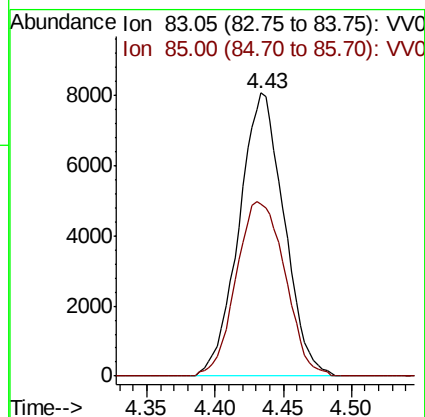
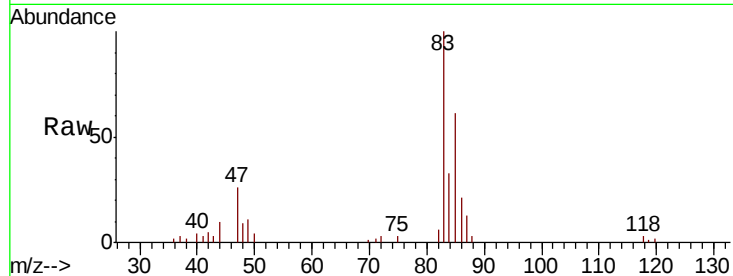




#25
Chloroform
Concen: 0.461 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

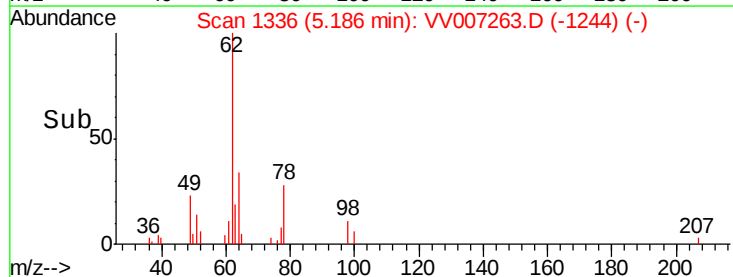
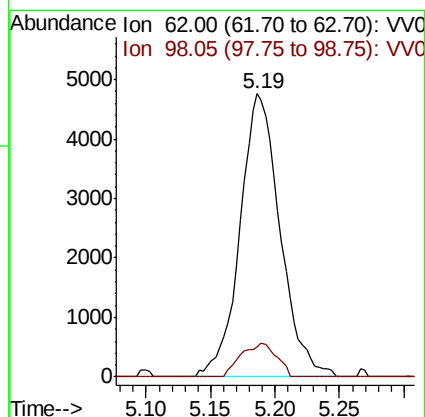
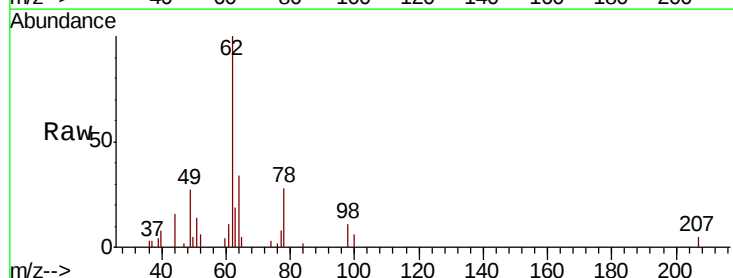
Instrument :
MSVOA_V
ClientSampleId :

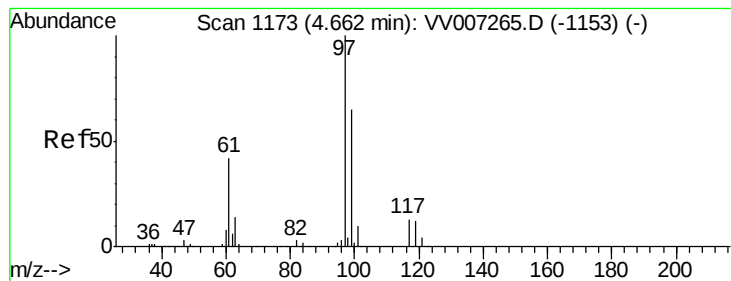
Tot Ion: 83 Resp: 18503
Ion Ratio Lower Upper
83 100
85 60.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.441 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

Tgt Ion: 62 Resp: 10315
Ion Ratio Lower Upper
62 100
98 10.5 8.6 12.8





#29

1,1,1-Trichloroethane

Concen: 0.465 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

ClientSampleId :

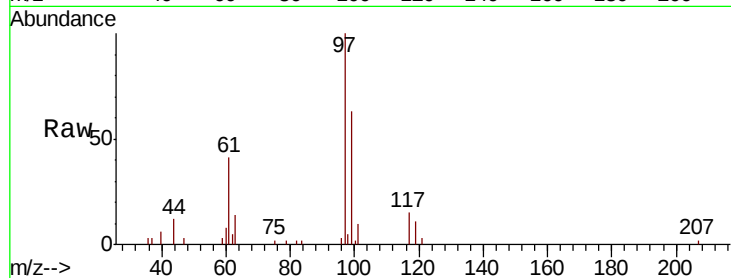
Tot Ion: 97 Resp: 15608

Ion Ratio Lower Upper

97 100

99 61.0 51.5 77.3

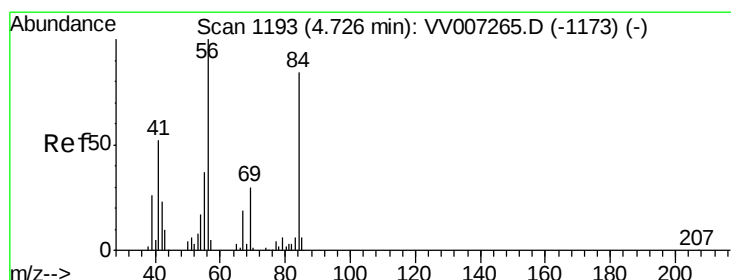
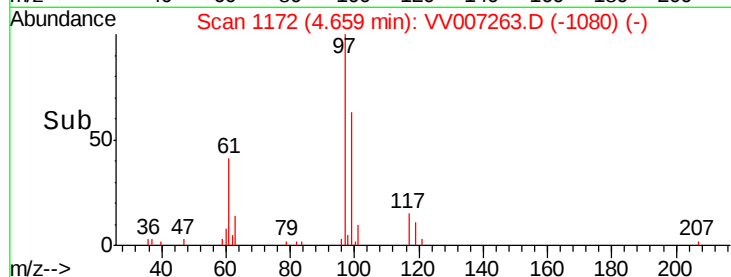
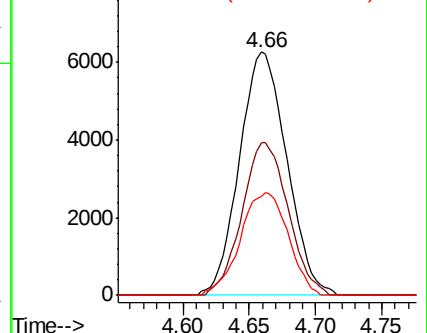
61 42.8 33.9 50.9



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.400 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

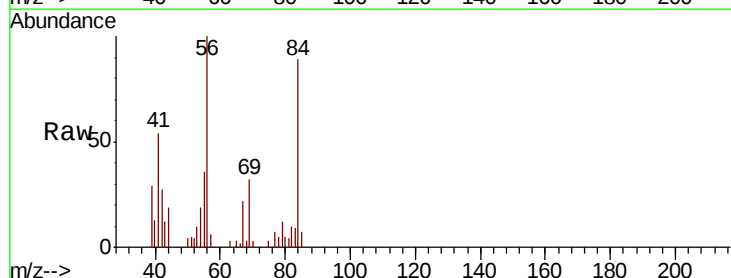
Tgt Ion: 56 Resp: 12122

Ion Ratio Lower Upper

56 100

69 34.3 24.7 37.1

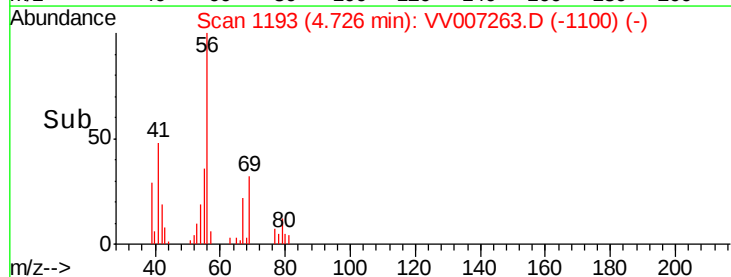
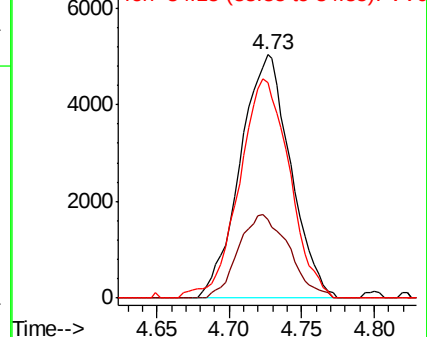
84 89.9 68.7 103.1

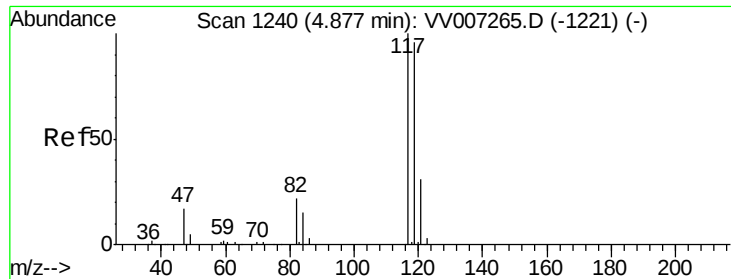


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

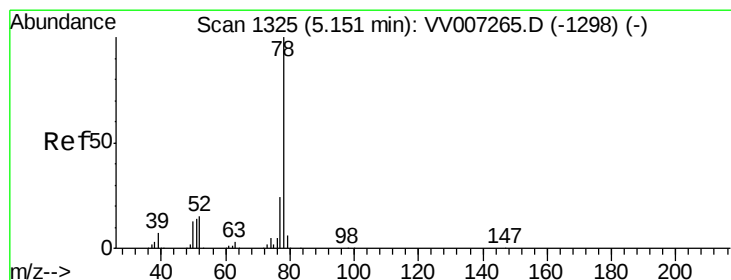
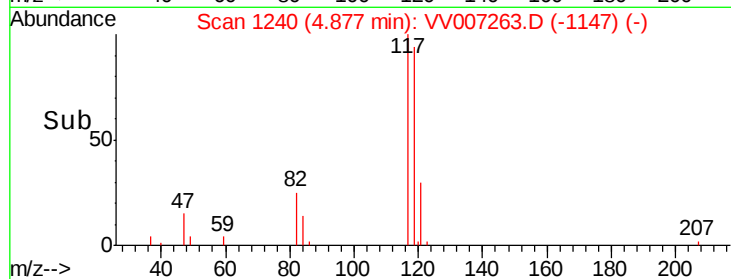
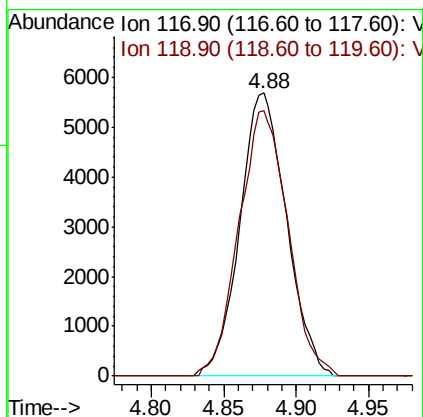
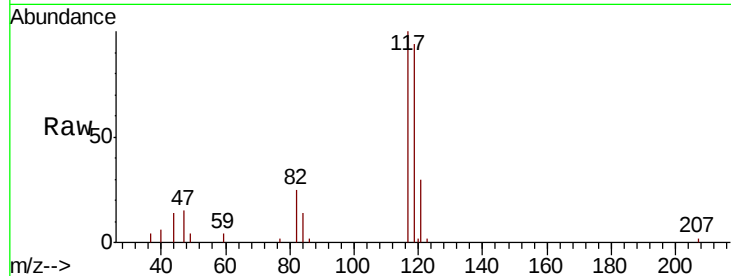




#31
Carbon tetrachloride
Concen: 0.446 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

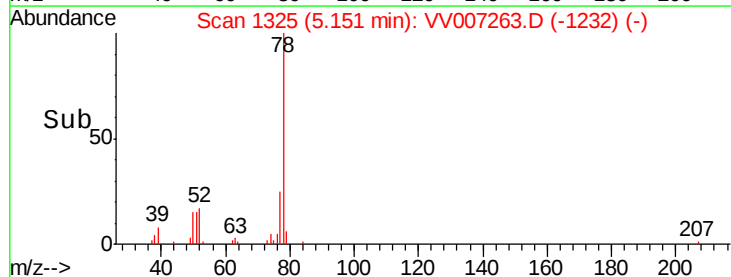
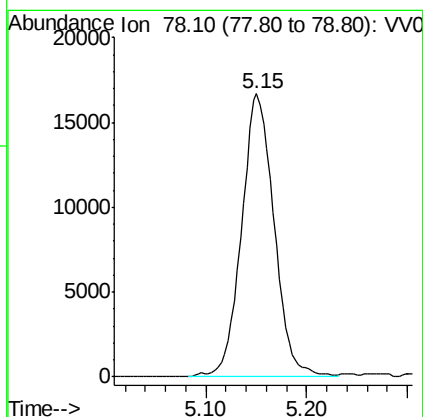
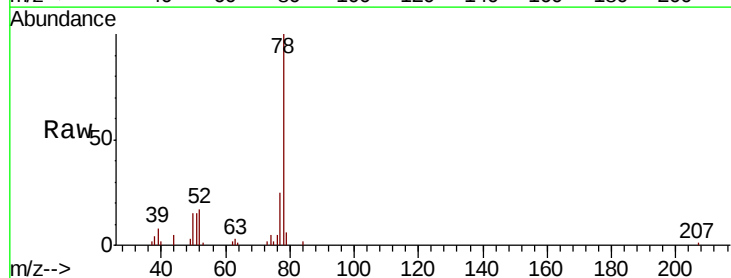
Instrument :
MSVOA_V
ClientSampleId :

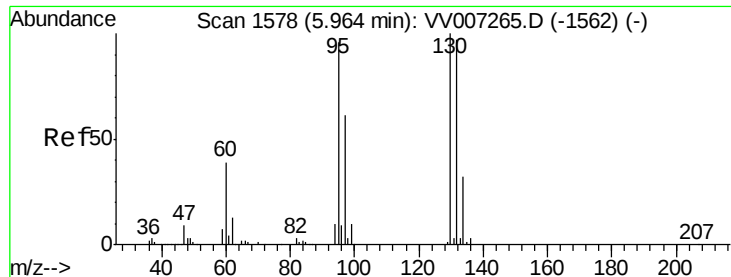
Tot Ion:117 Resp: 12774
Ion Ratio Lower Upper
117 100
119 98.0 77.0 115.6



#33
Benzene
Concen: 0.433 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

Tgt Ion: 78 Resp: 37322





#34

Trichloroethene

Concen: 0.451 ug/L

RT: 5.97 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 9761

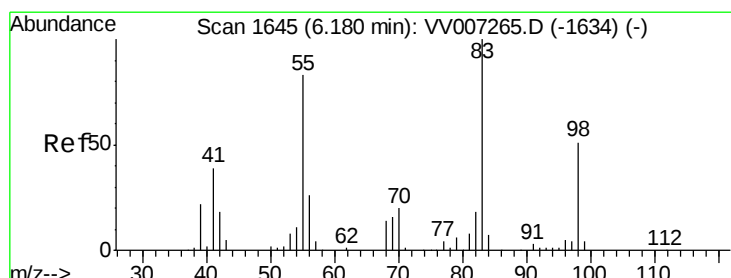
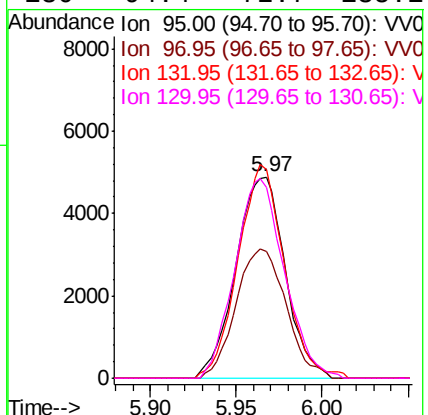
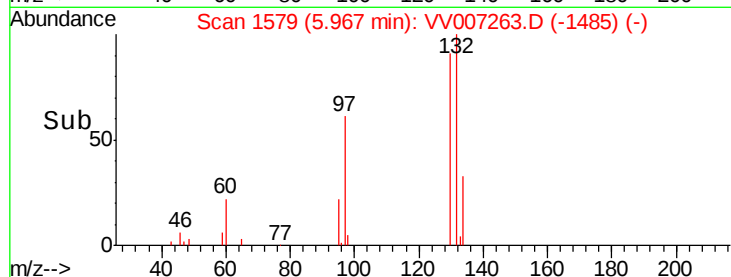
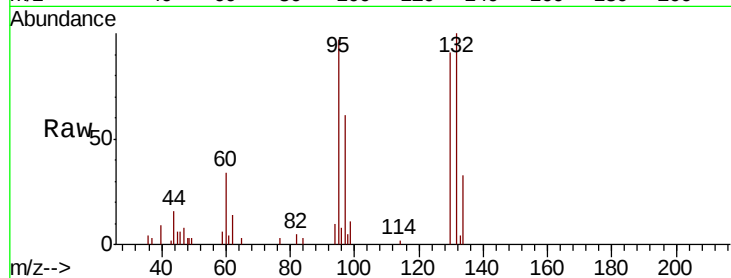
Ion Ratio Lower Upper

95 100

97 63.3 44.2 82.2

132 103.3 70.9 131.7

130 94.4 72.7 135.1



#35

Methylcyclohexane

Concen: 0.380 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

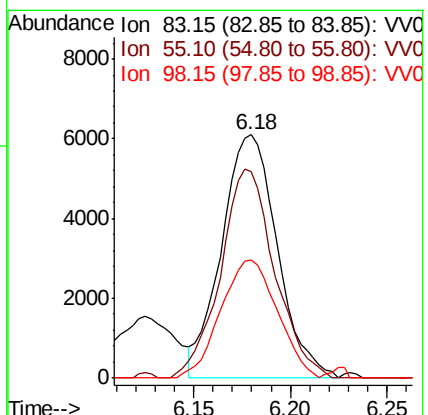
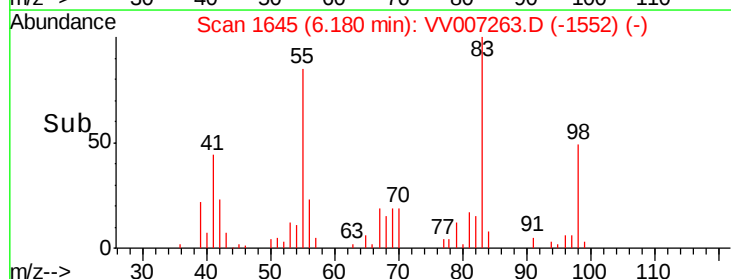
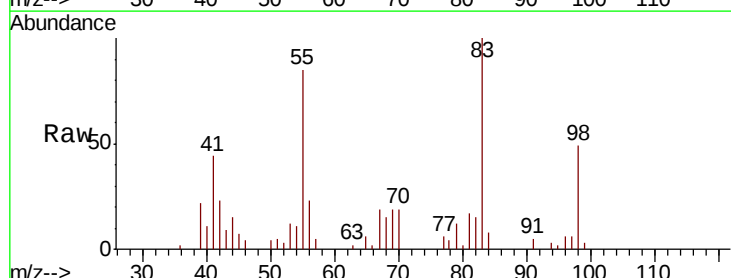
Tgt Ion: 83 Resp: 12250

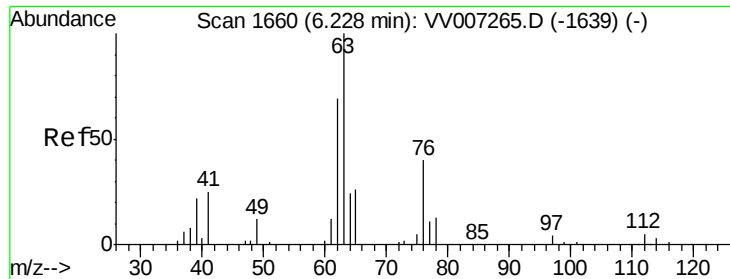
Ion Ratio Lower Upper

83 100

55 83.3 63.5 95.3

98 49.3 38.9 58.3





#37

1,2-Dichloropropane

Concen: 0.449 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

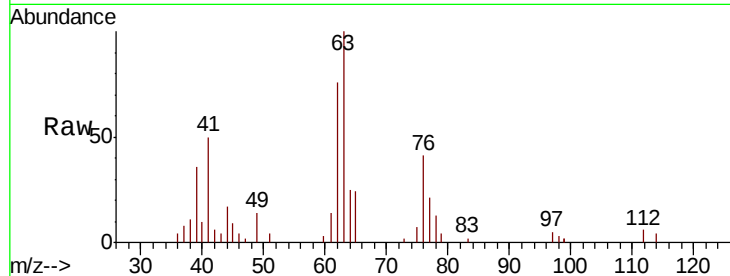
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 10182

Ion Ratio Lower Upper

63 100

112 5.0 3.9 5.9



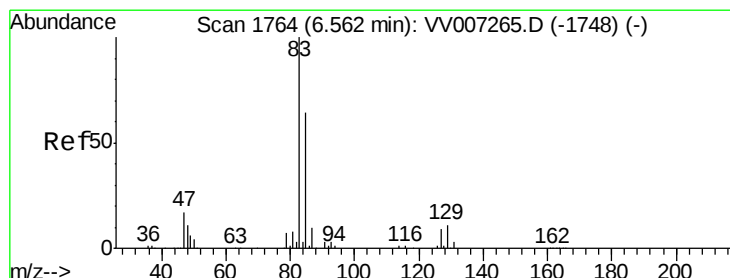
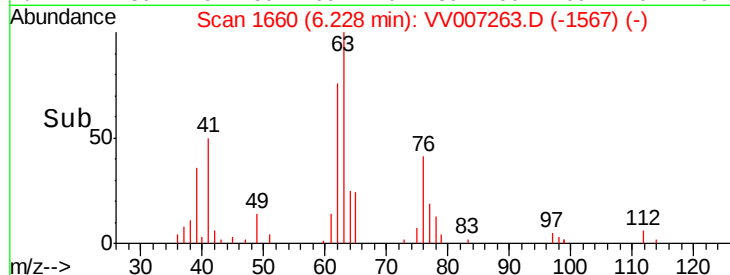
Abundance Ion 63.10 (62.80 to 63.80): VV007265.D (-1639) (-)

Ion 112.10 (111.80 to 112.80): VV007265.D (-1639) (-)

6.23

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 0.446 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

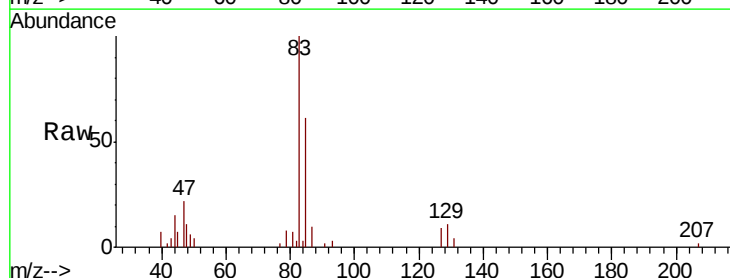
Tgt Ion: 83 Resp: 12078

Ion Ratio Lower Upper

83 100

85 61.4 44.7 83.1

127 8.5 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VV007265.D (-1748) (-)

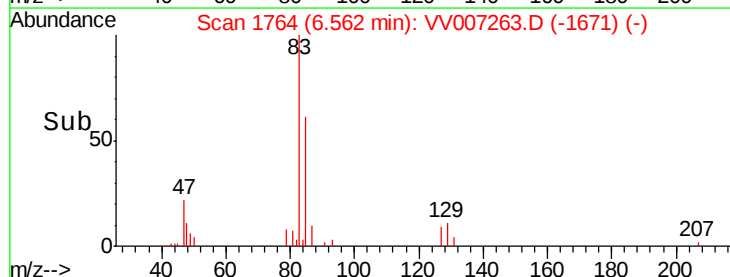
Ion 85.00 (84.70 to 85.70): VV007265.D (-1748) (-)

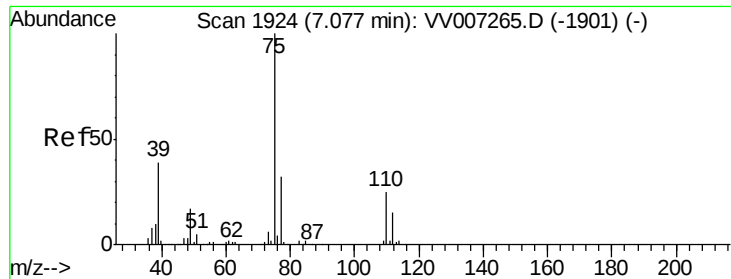
Ion 126.90 (126.60 to 127.60): VV007265.D (-1748) (-)

6.56

6.50 6.55 6.60

Time-->



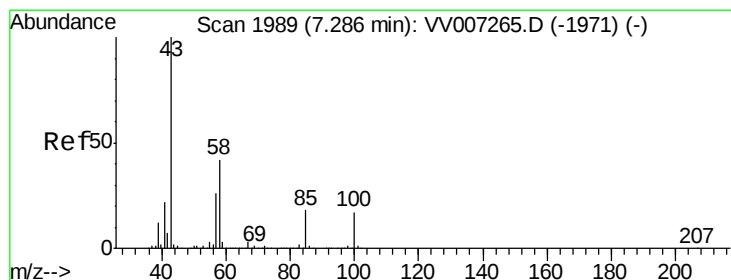
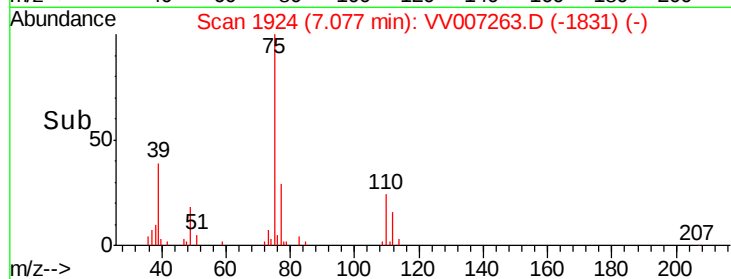
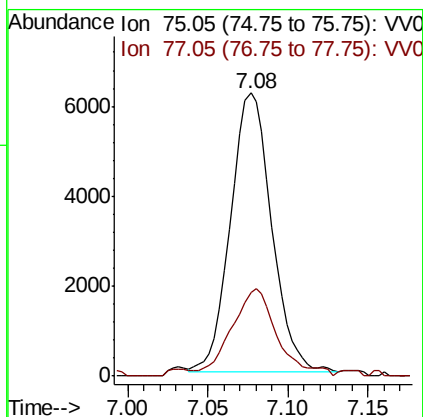
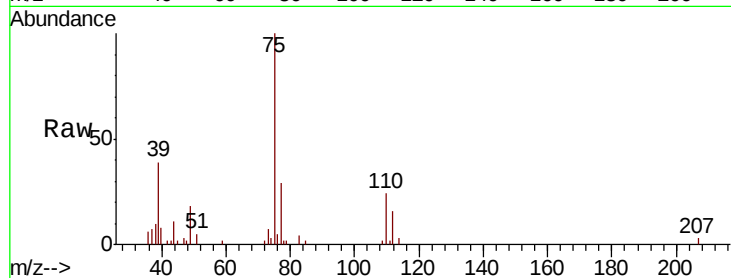


#39

cis-1,3-Dichloropropene
 Concen: 0.384 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007263.D
 Acq: 30 Aug 2018 15:11

Instrument :
 MSVOA_V
 ClientSampleId :

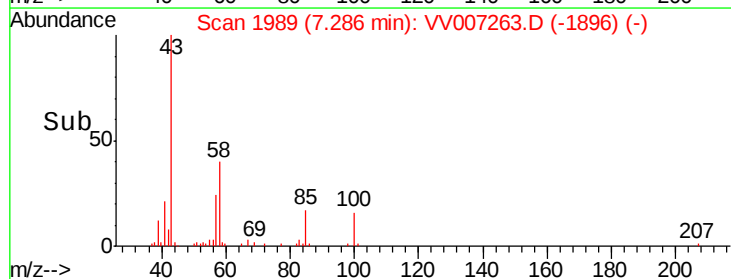
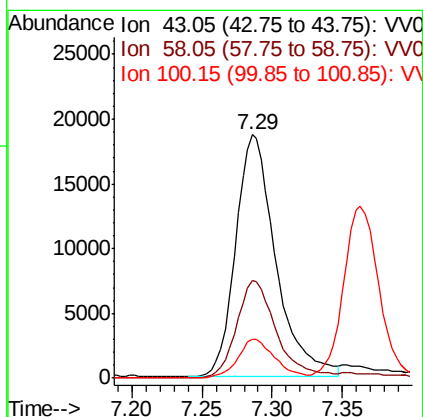
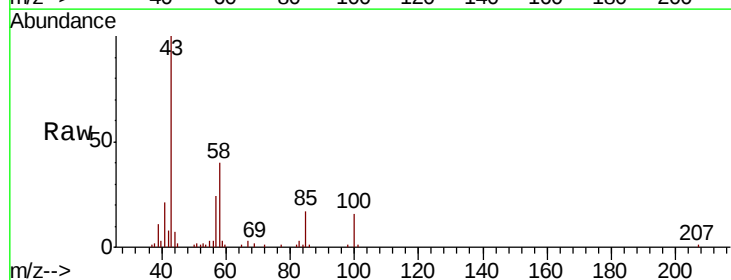
Tot Ion: 75 Resp: 10804
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.7 42.3

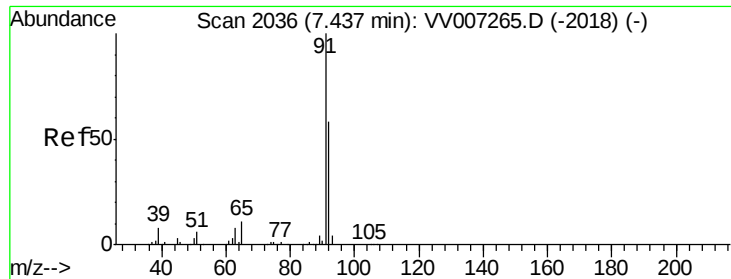


#40

4-Methyl-2-pentanone
 Concen: 3.225 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007263.D
 Acq: 30 Aug 2018 15:11

Tgt Ion: 43 Resp: 37214
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.7 49.1
 100 14.8 13.1 19.7





#42

Toluene

Concen: 0.396 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

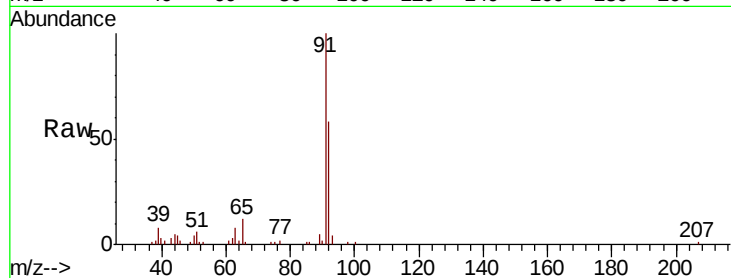
ClientSampleId :

Tot Ion: 91 Resp: 33696

Ion Ratio Lower Upper

91 100

92 57.7 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

20000

15000

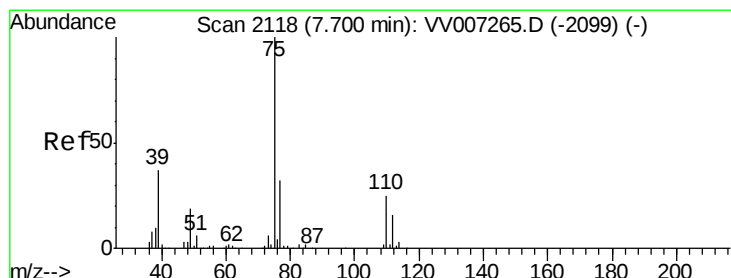
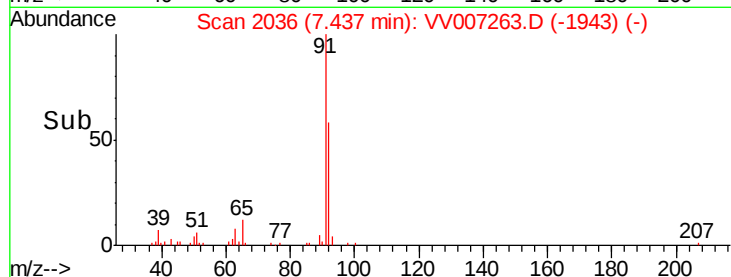
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.373 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007263.D

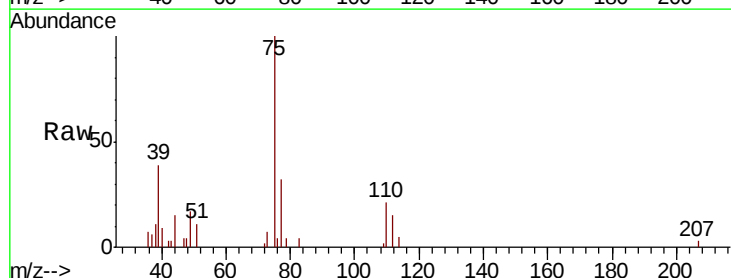
Acq: 30 Aug 2018 15:11

Tgt Ion: 75 Resp: 8791

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

6000

5000

4000

3000

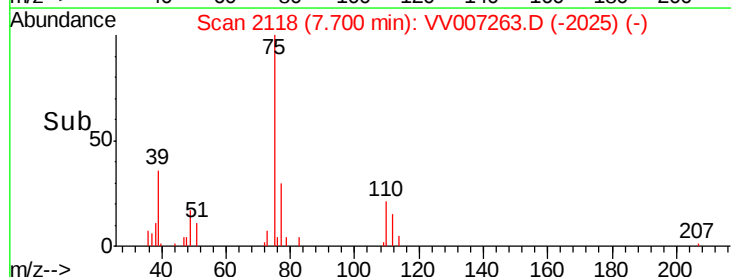
2000

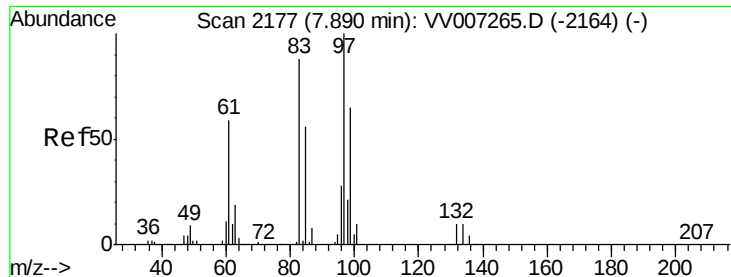
1000

0

Time-->

7.65 7.70 7.75





#45

1,1,2-Trichloroethane

Concen: 0.420 ug/L

RT: 7.89 min Scan# 2177

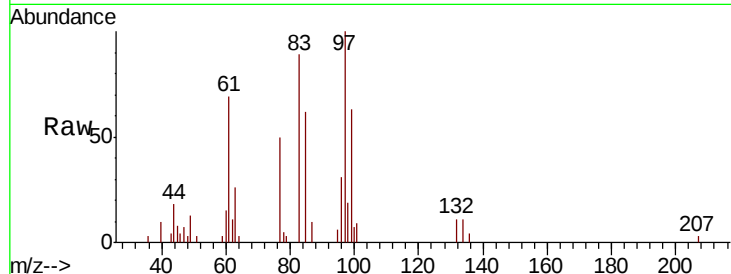
Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	6719
Ion	Ratio	Lower	Upper
97	100		
99	62.6	45.6	84.6
83	89.0	61.4	114.0
85	62.3	39.4	73.2



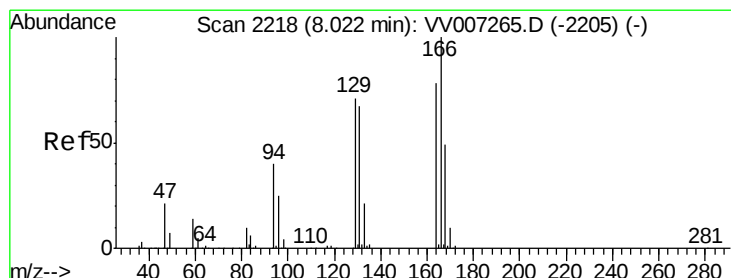
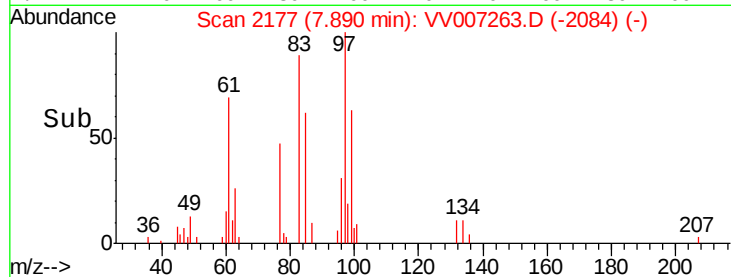
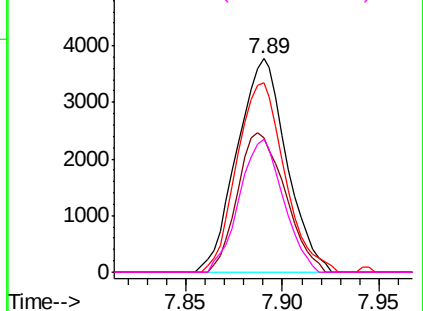
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 0.444 ug/L

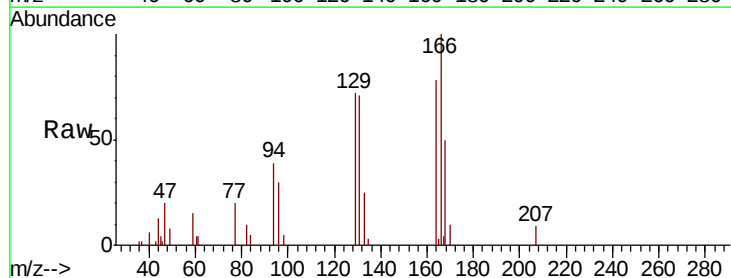
RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Tgt Ion:	164	Resp:	7965
Ion	Ratio	Lower	Upper
164	100		
129	91.9	63.8	118.4
131	90.4	60.3	112.1
166	127.5	89.5	166.1



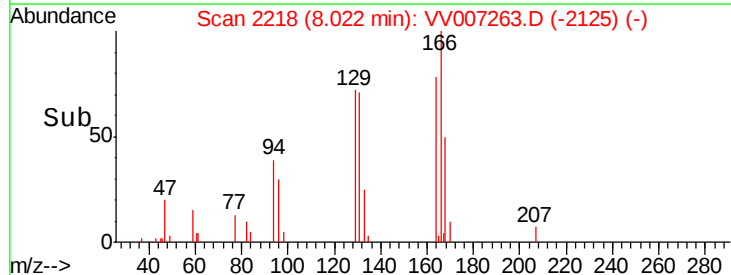
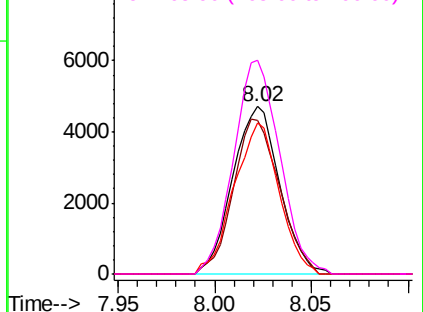
Abundance

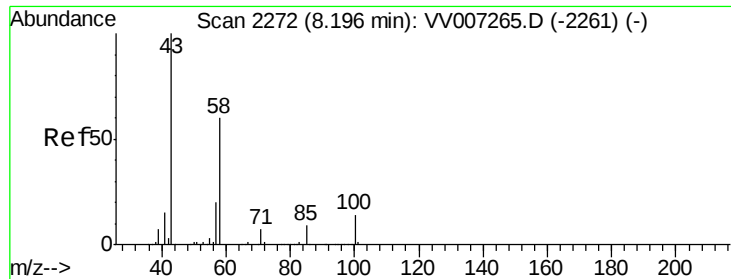
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

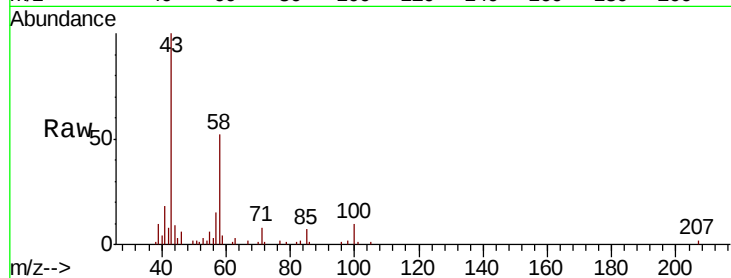




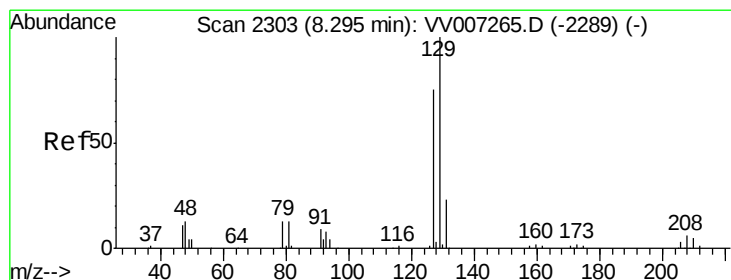
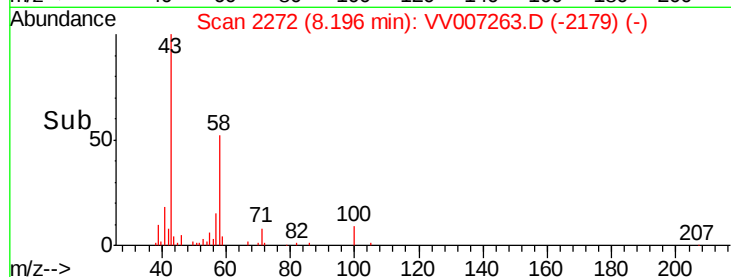
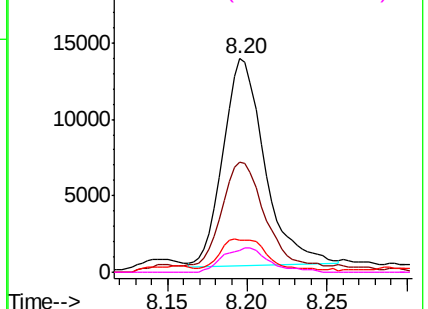
#48
2-Hexanone
Concen: 2.833 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	24265
Ion	Ratio	Lower	Upper
43	100		
58	58.8	46.6	69.8
57	17.2	15.4	23.0
100	12.9	10.4	15.6

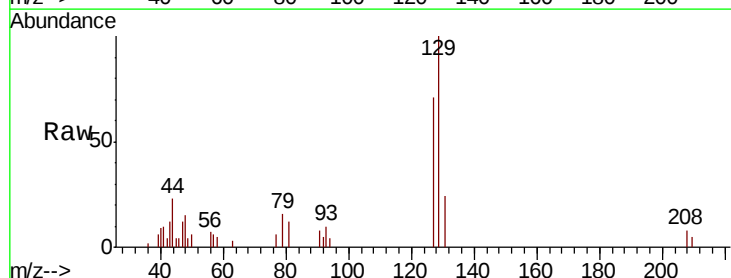


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

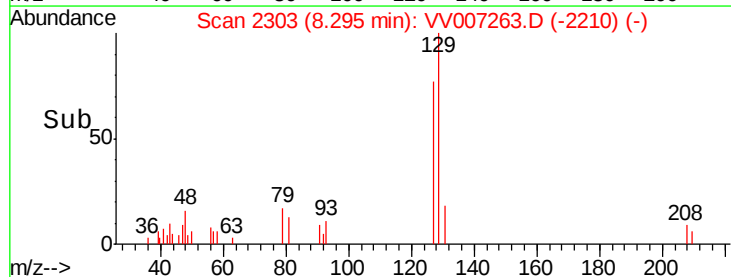
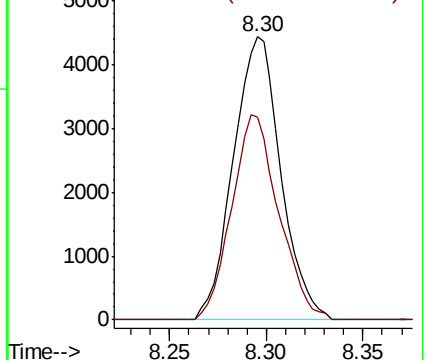


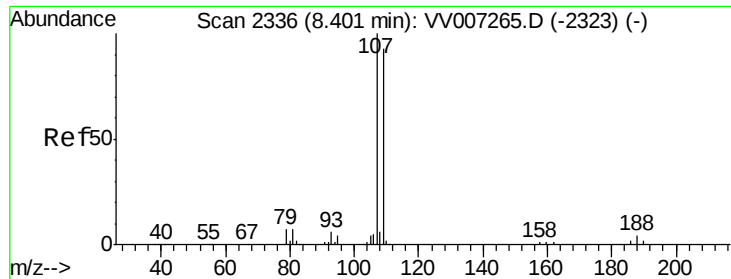
#49
Dibromochloromethane
Concen: 0.417 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

Tgt Ion:	129	Resp:	7587
Ion	Ratio	Lower	Upper
129	100		
127	71.5	52.1	96.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

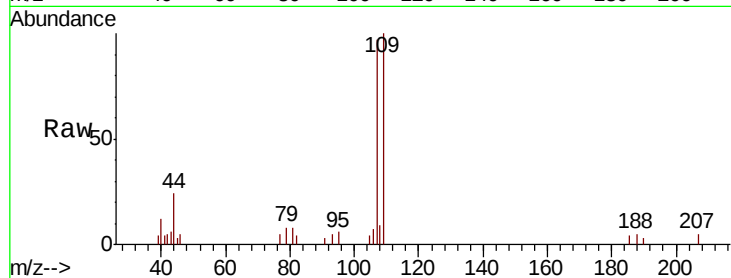




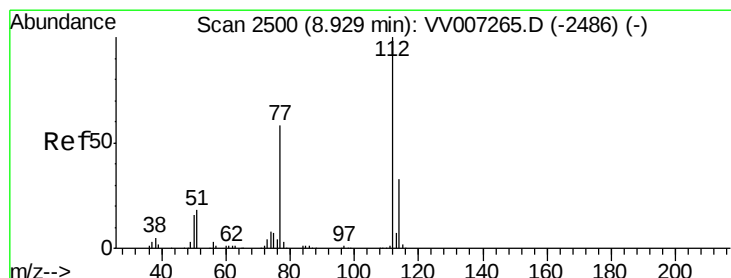
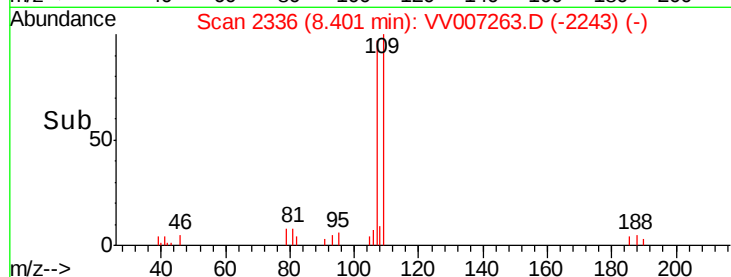
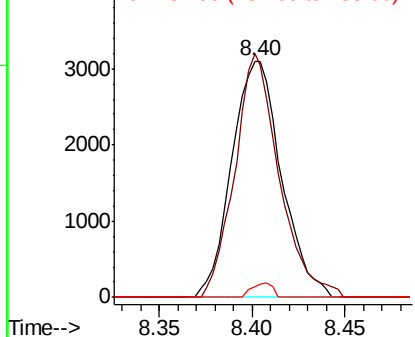
#50
1,2-Dibromoethane
Concen: 0.419 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 5775
Ion Ratio Lower Upper
107 100
109 103.1 65.5 121.6
188 4.6 3.0 4.6#

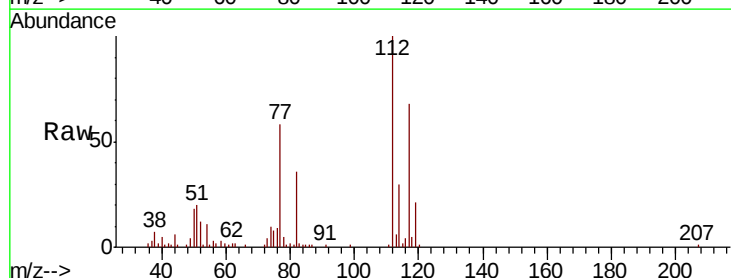


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

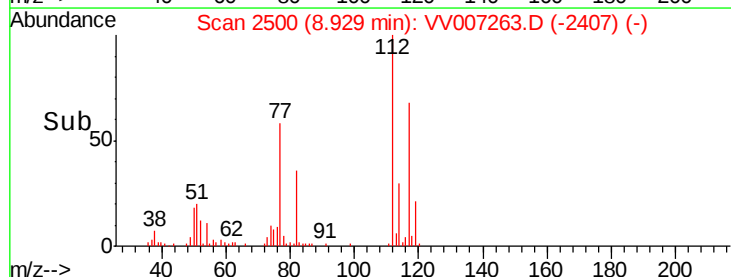
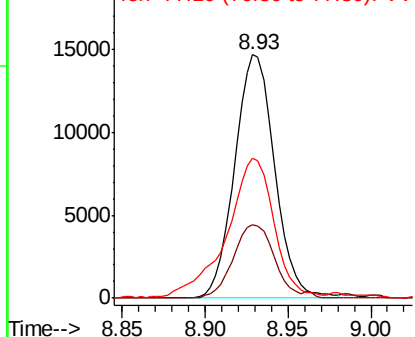


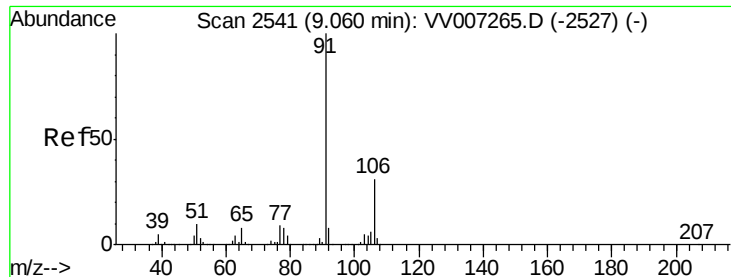
#51
Chlorobenzene
Concen: 0.432 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007263.D
Acq: 30 Aug 2018 15:11

Tgt Ion:112 Resp: 24665
Ion Ratio Lower Upper
112 100
114 30.4 22.7 42.3
77 57.6 46.7 70.1



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.371 ug/L

RT: 9.06 min Scan# 2540

Delta R.T. -0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

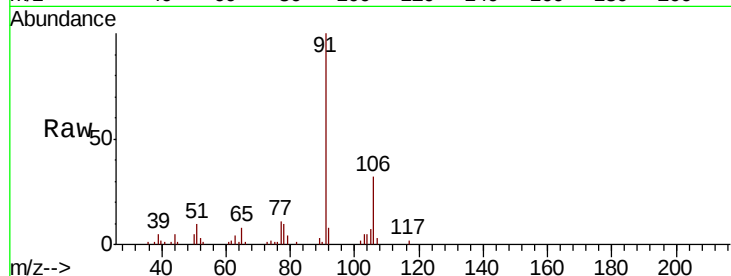
ClientSampleId :

Tot Ion: 91 Resp: 31739

Ion Ratio Lower Upper

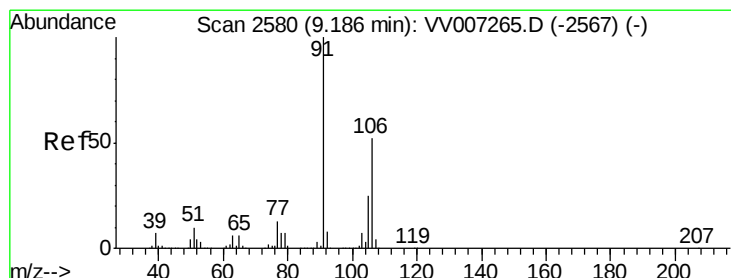
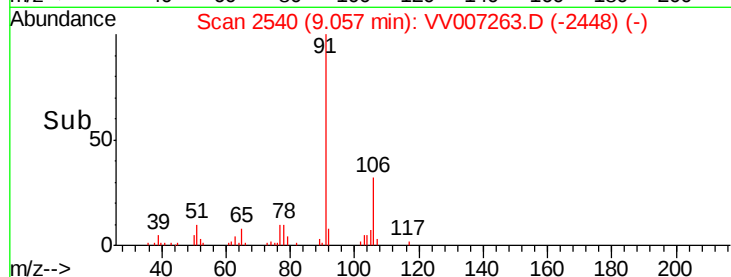
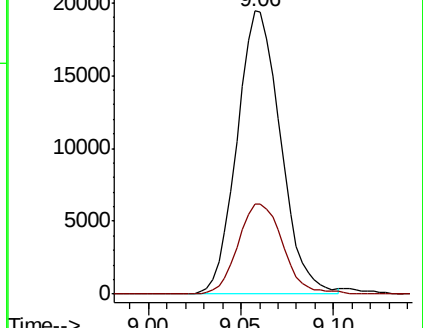
91 100

106 31.9 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV007263.D (-2448) (-)

Ion 106.15 (105.85 to 106.85): VV007263.D (-2448) (-)



#53

m,p-xylene

Concen: 0.366 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007263.D

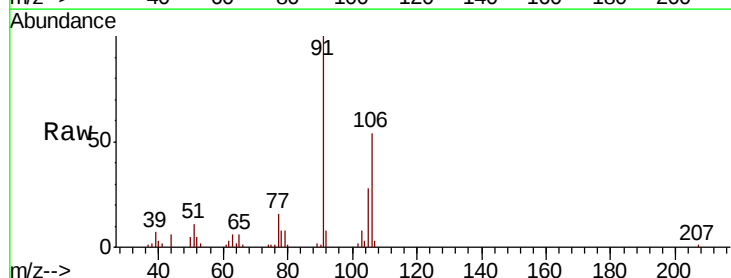
Acq: 30 Aug 2018 15:11

Tgt Ion: 106 Resp: 12053

Ion Ratio Lower Upper

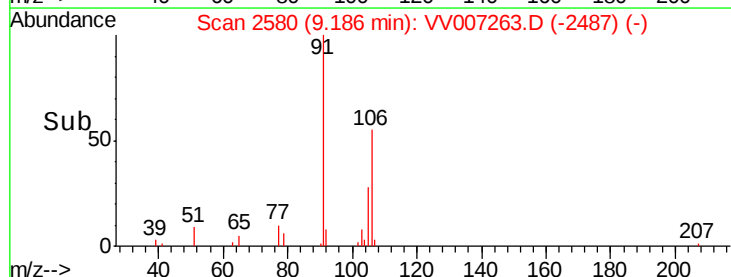
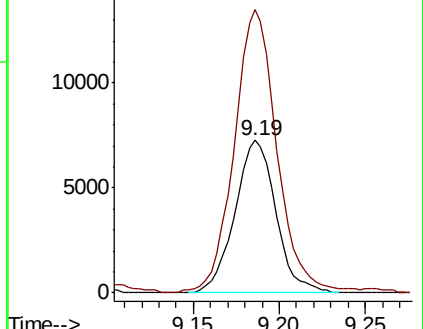
106 100

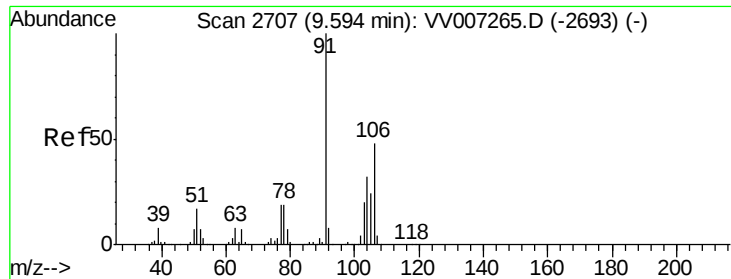
91 185.3 135.9 252.3



Abundance Ion 106.15 (105.85 to 106.85): VV007263.D (-2487) (-)

Ion 91.15 (90.85 to 91.85): VV007263.D (-2487) (-)





#54

o-xylene

Concen: 0.341 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

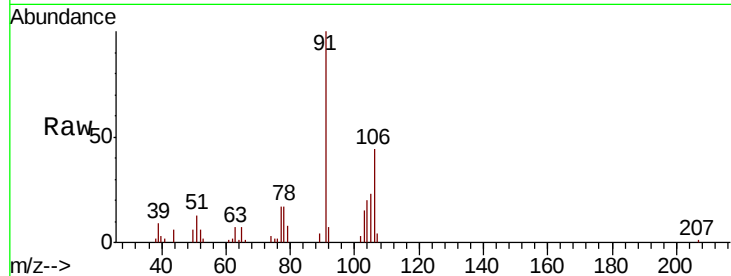
ClientSampleId :

Tot Ion:106 Resp: 10398

Ion Ratio Lower Upper

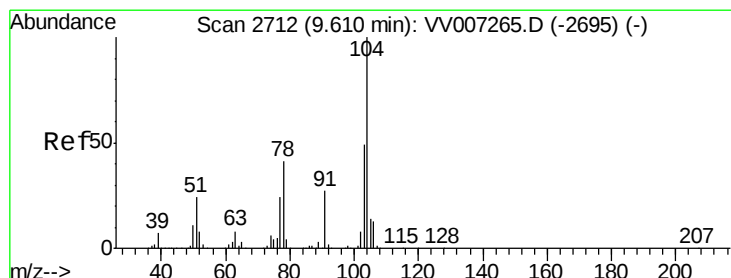
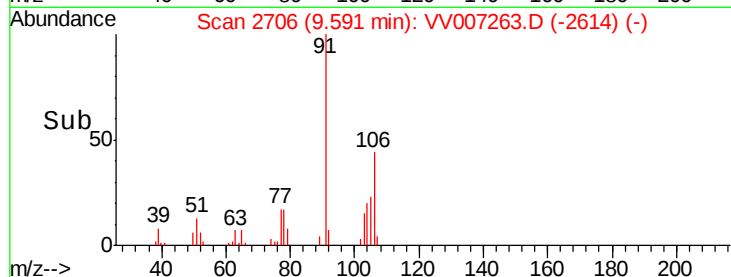
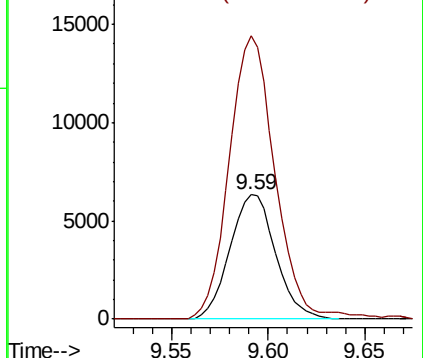
106 100

91 227.1 146.2 271.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.351 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007263.D

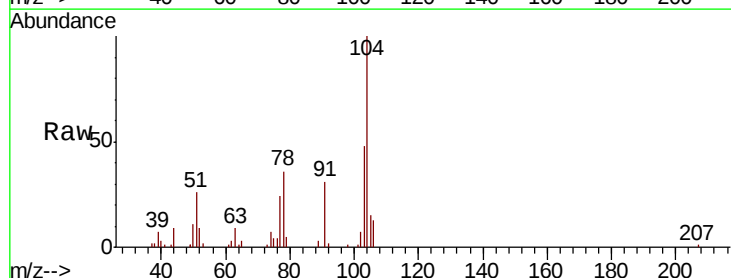
Acq: 30 Aug 2018 15:11

Tgt Ion:104 Resp: 18839

Ion Ratio Lower Upper

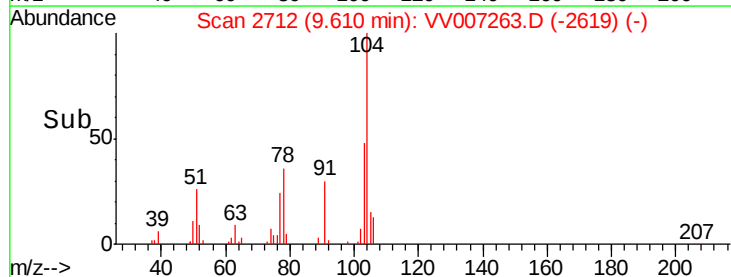
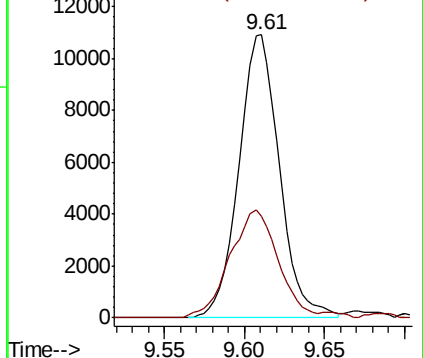
104 100

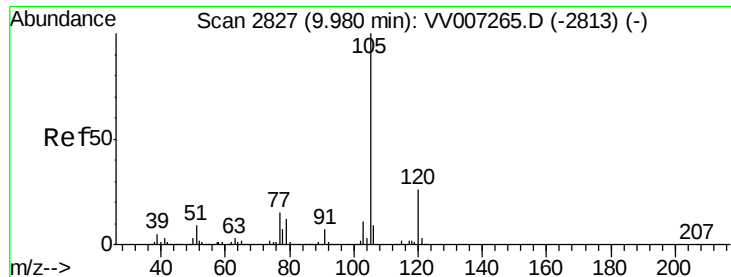
78 35.7 28.8 53.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.343 ug/L

RT: 9.98 min Scan# 2827

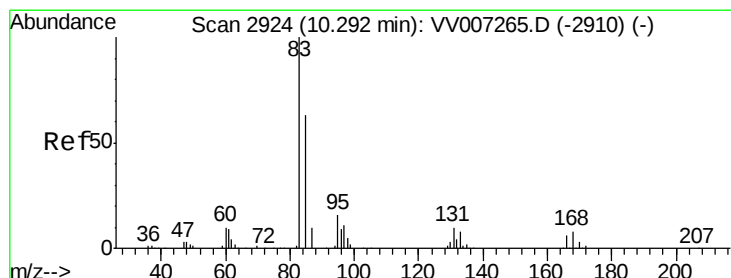
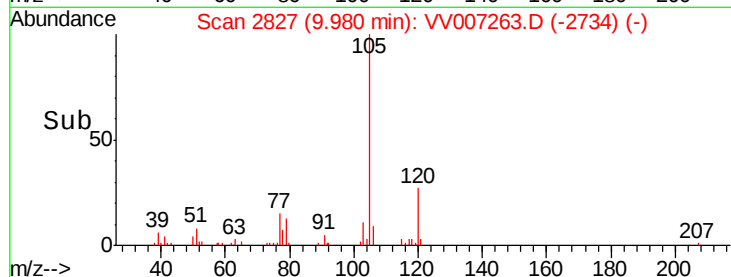
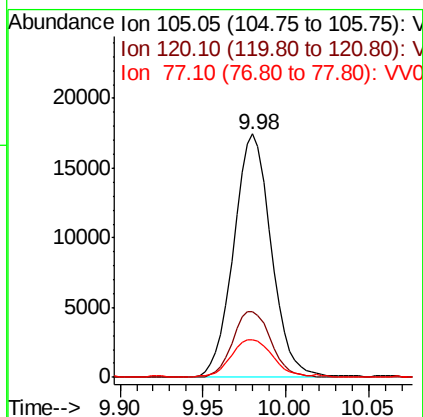
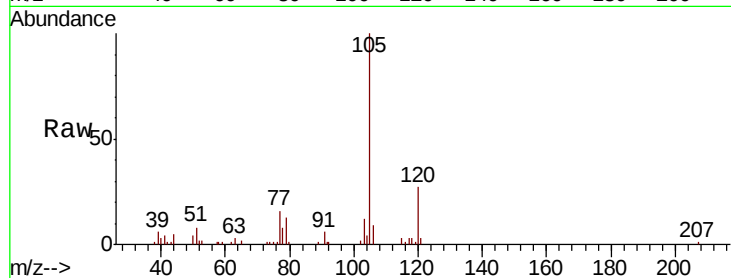
Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	27580
Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.2	31.8
77	17.3	12.2	18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 0.412 ug/L

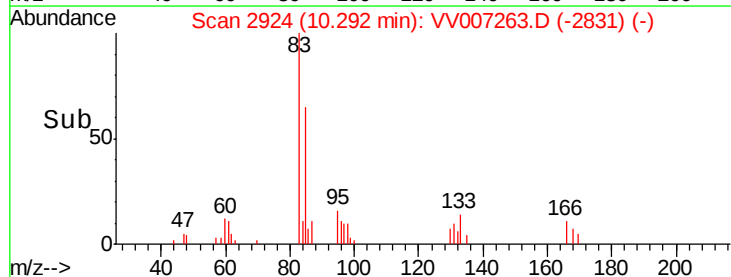
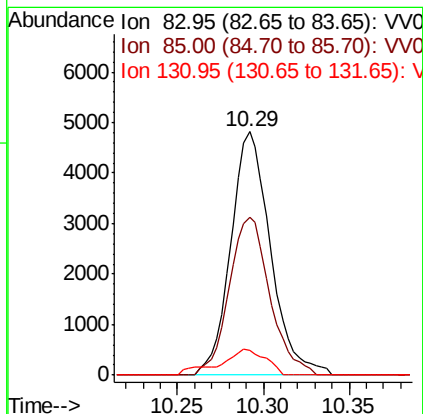
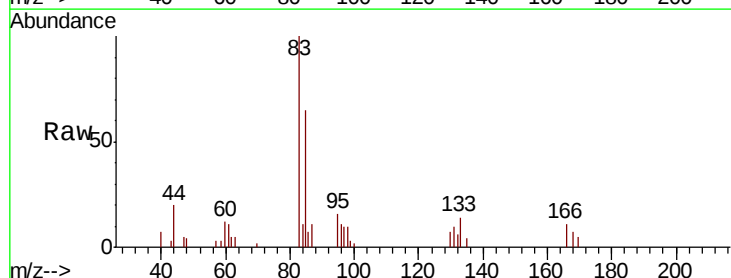
RT: 10.29 min Scan# 2924

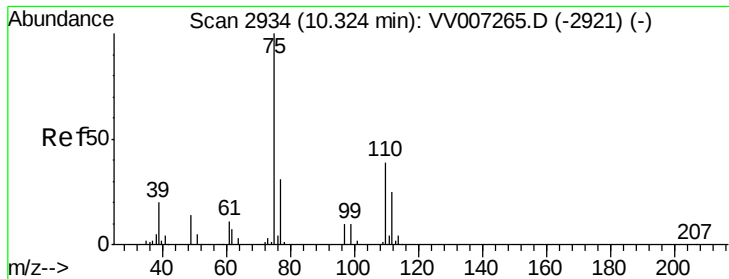
Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Tgt Ion:	83	Resp:	7732
Ion	Ratio	Lower	Upper
83	100		
85	64.9	44.1	81.9
131	10.0	7.8	11.8





#59

1,2,3-Trichloropropane

Concen: 0.403 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

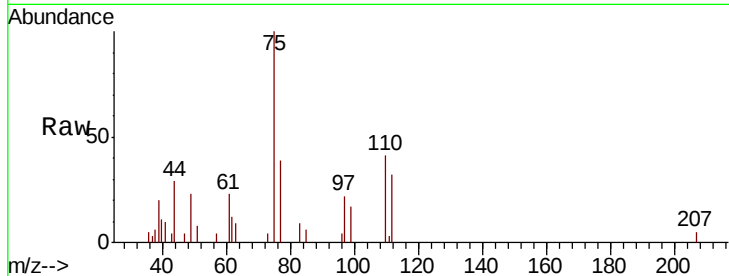
ClientSampleId :

Tot Ion: 75 Resp: 5425

Ion Ratio Lower Upper

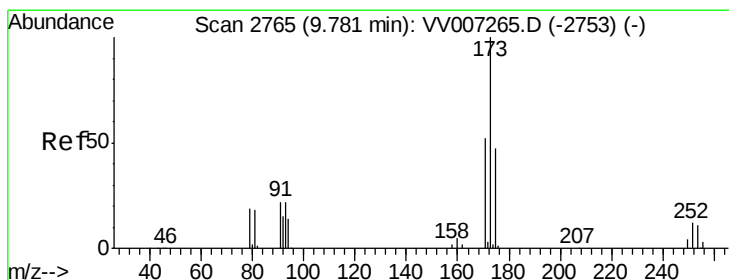
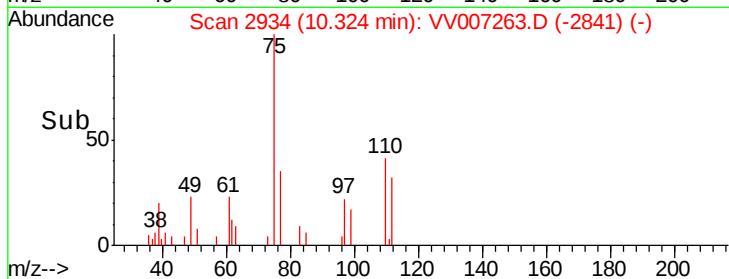
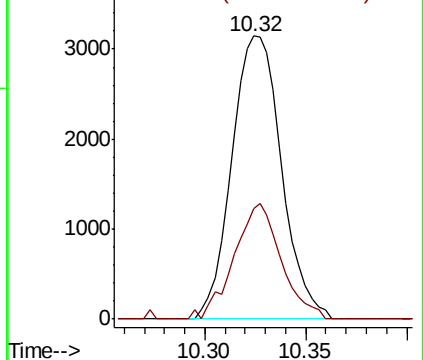
75 100

77 38.6 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV007265.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV007265.D (-2921) (-)



#61

Bromoform

Concen: 0.423 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

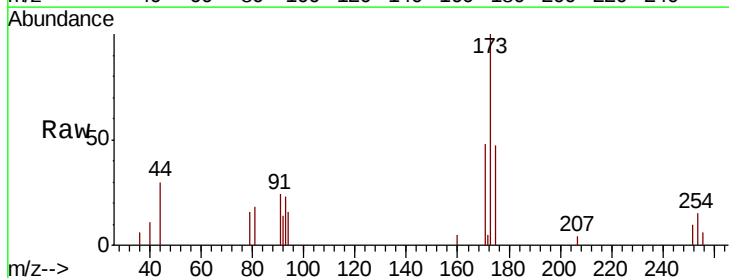
Tgt Ion: 173 Resp: 3991

Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

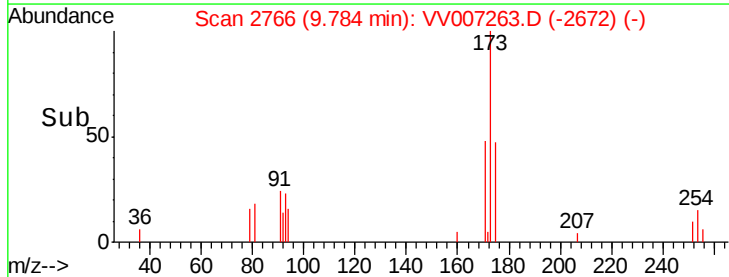
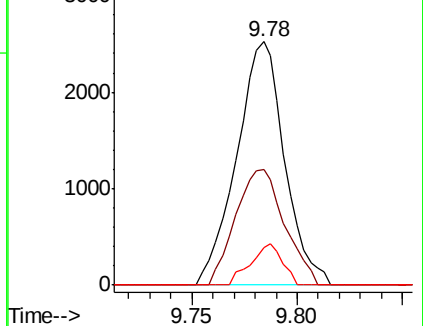
254 11.2 9.0 13.6

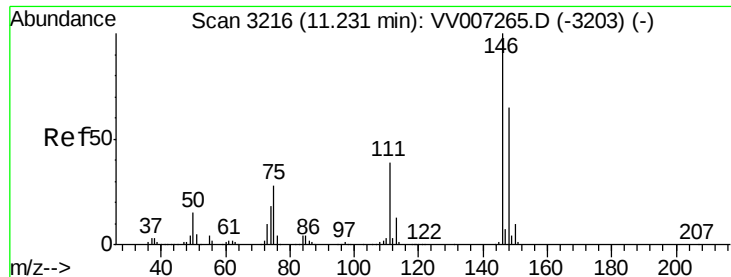


Abundance Ion 172.90 (172.60 to 173.60): VV007265.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV007265.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV007265.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 0.422 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

ClientSampled :

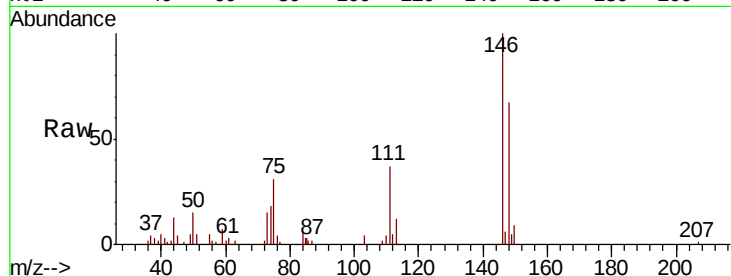
Tot Ion:146 Resp: 16154

Ion Ratio Lower Upper

146 100

111 37.4 27.6 51.2

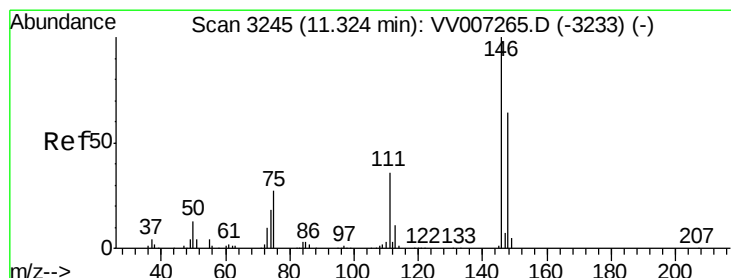
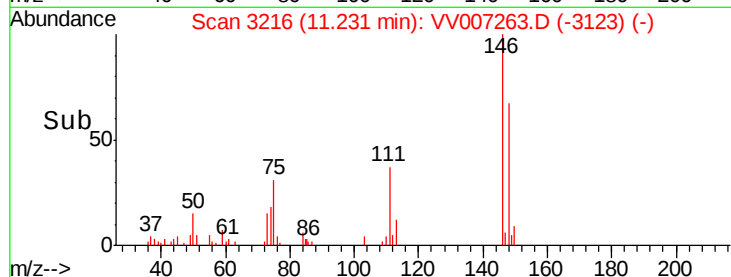
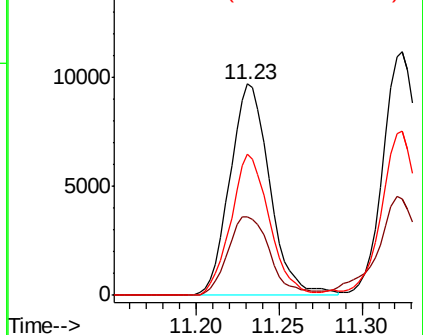
148 66.7 45.3 84.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.422 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

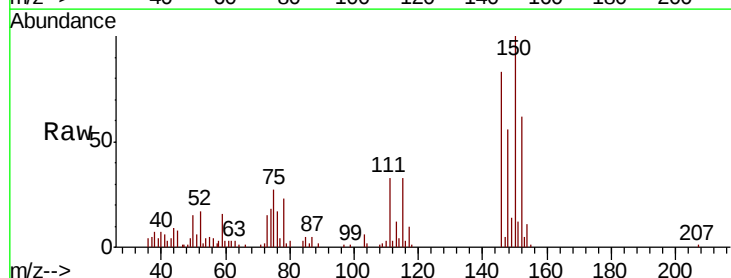
Tgt Ion:146 Resp: 17131

Ion Ratio Lower Upper

146 100

111 39.7 25.6 47.6

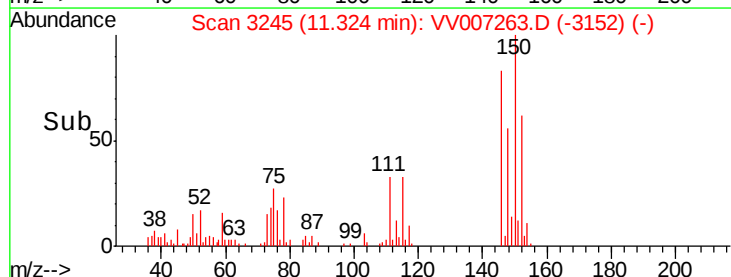
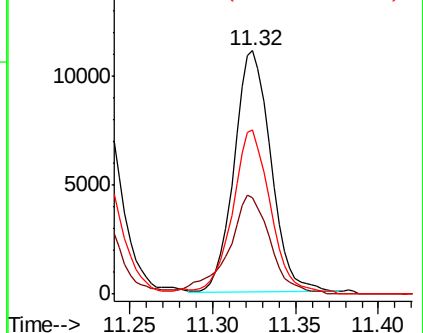
148 67.3 45.0 83.6

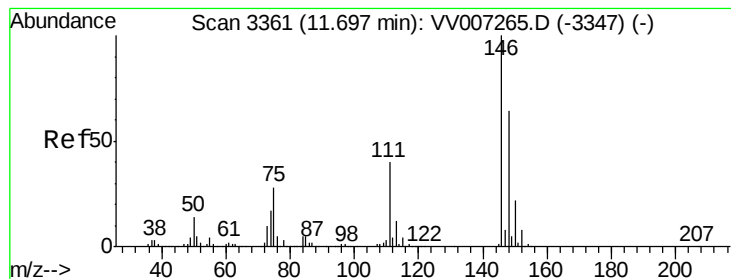


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.428 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

ClientSampled :

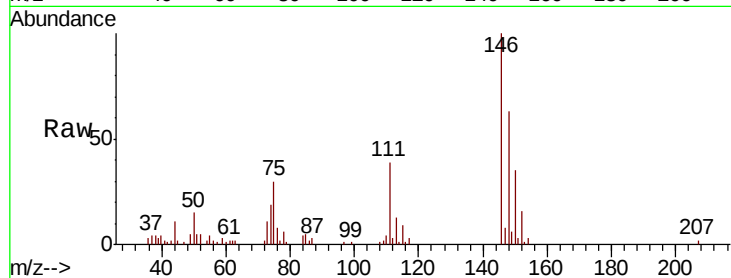
Tot Ion:146 Resp: 16426

Ion Ratio Lower Upper

146 100

111 39.0 32.1 48.1

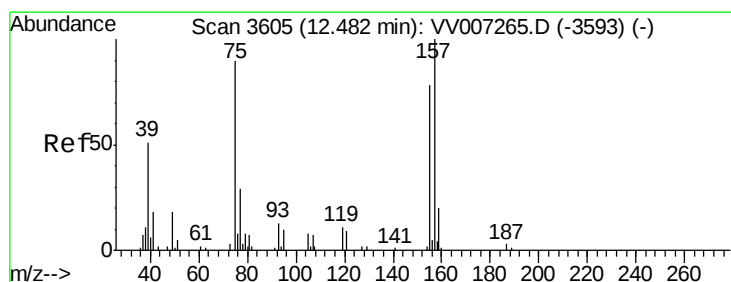
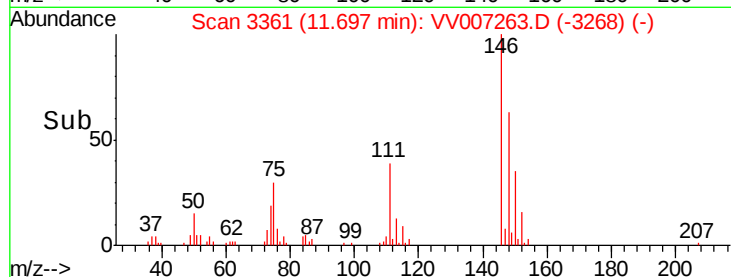
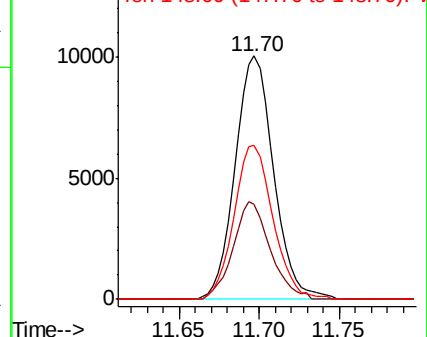
148 63.3 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): 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: 0.502 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

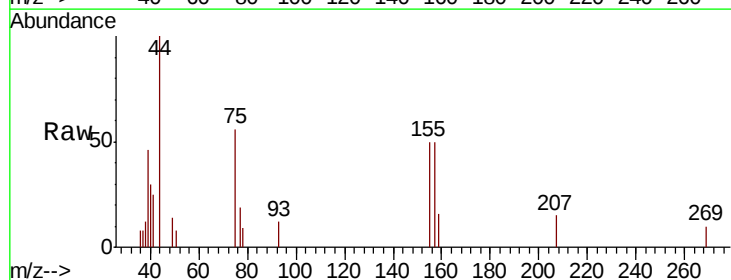
Tgt Ion: 75 Resp: 1155

Ion Ratio Lower Upper

75 100

155 88.0 69.5 104.3

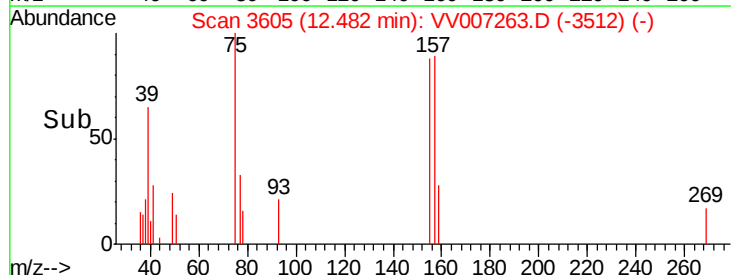
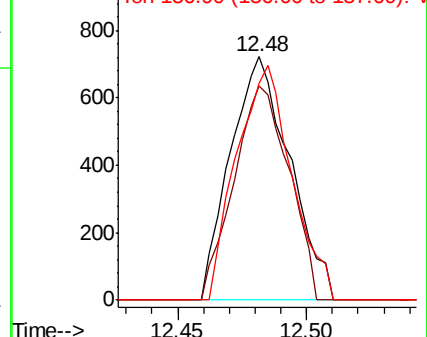
157 89.2 89.1 133.7

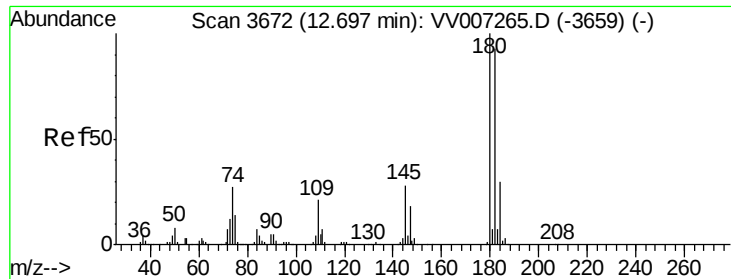


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

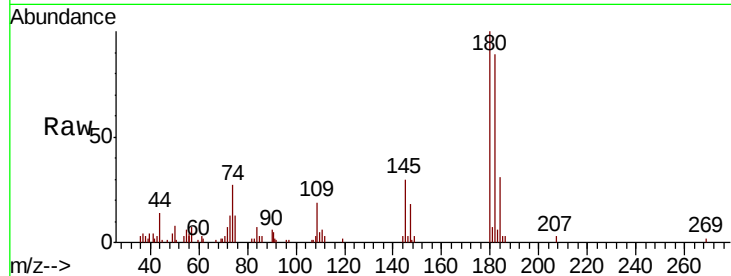




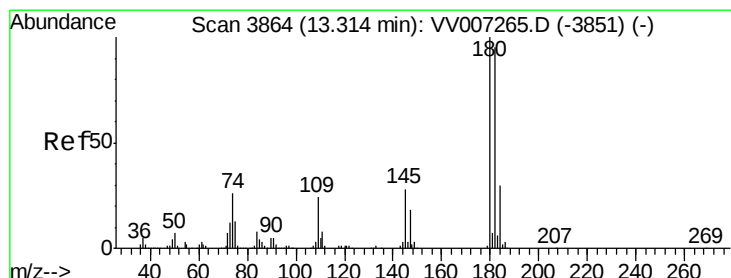
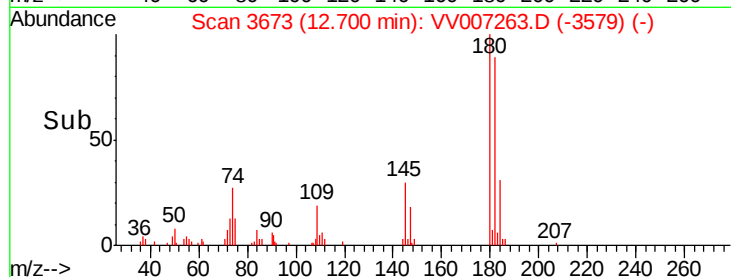
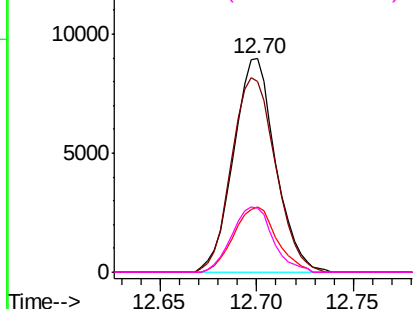
#67
 1,3,5-Trichlorobenzene
 Concen: 0.473 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007263.D
 Acq: 30 Aug 2018 15:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	13550
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.2 112.8
184	31.0	23.8 35.6
145	29.9	22.2 33.4

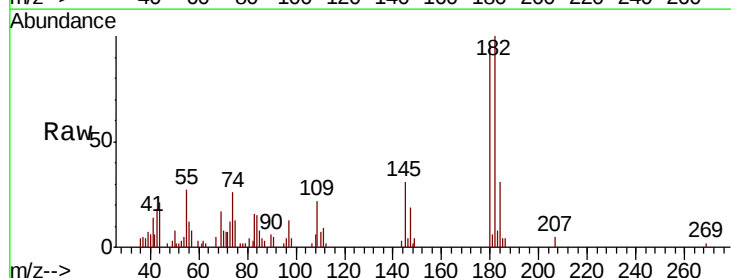


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

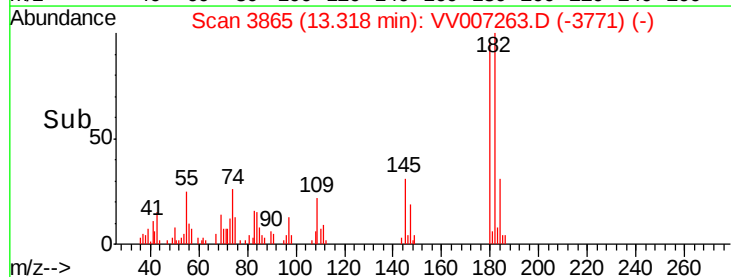
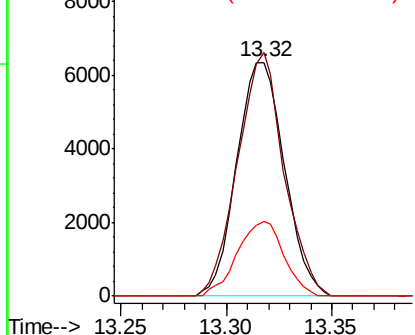


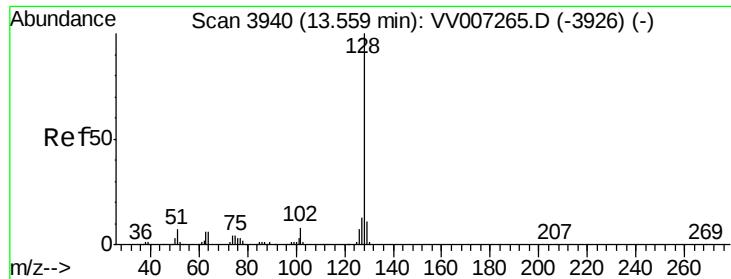
#68
 1,2,4-trichlorobenzene
 Concen: 0.507 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007263.D
 Acq: 30 Aug 2018 15:11

Tgt Ion:180	Resp:	9998
Ion Ratio	Lower	Upper
180	100	
182	100.8	76.3 114.5
145	31.2	22.4 33.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.585 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

Instrument :

MSVOA_V

ClientSampleId :

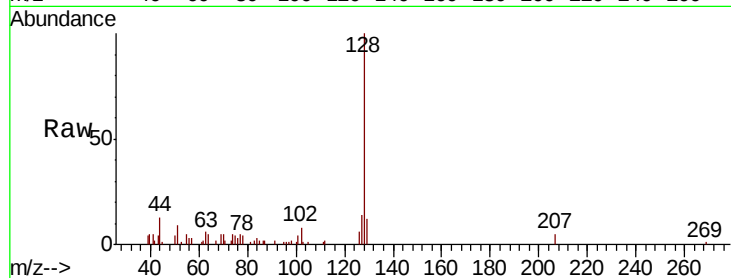
Tot Ion:128 Resp: 15195

Ion Ratio Lower Upper

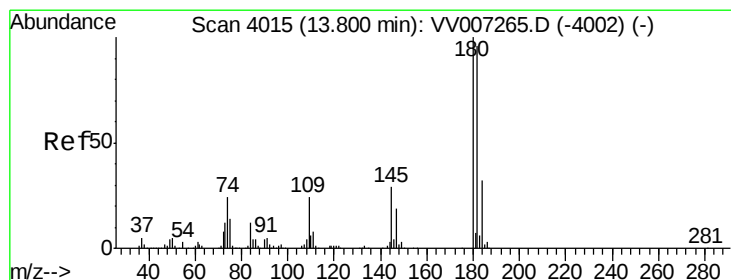
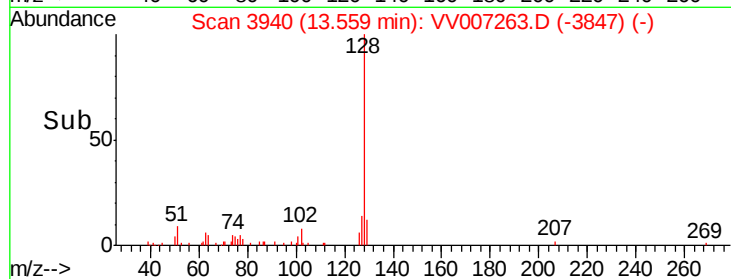
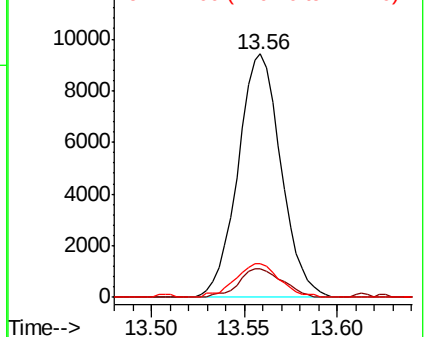
128 100

129 12.0 8.8 13.2

127 14.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.539 ug/L

RT: 13.80 min Scan# 4014

Delta R.T. -0.00 min

Lab File: VV007263.D

Acq: 30 Aug 2018 15:11

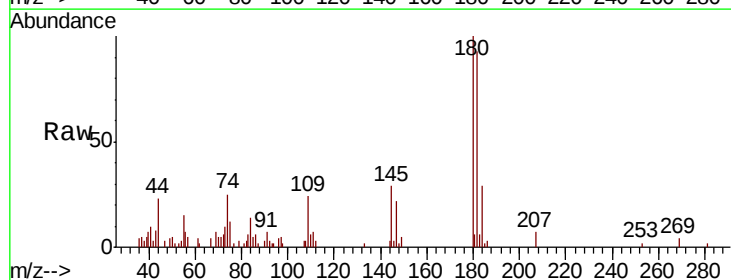
Tgt Ion:180 Resp: 10387

Ion Ratio Lower Upper

180 100

182 97.1 76.6 114.8

145 28.7 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

