

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\
 Data File : VV007265.D
 Acq On : 30 Aug 2018 16:05
 Operator : SY/MD
 Sample : VSTD00565
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 01:34:24 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	316243	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	314437	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	151642	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	141714	5.97	ug/L	0.00
7) Chloroethane-d5	1.58	69	106185	5.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	230413	5.71	ug/L	0.00
20) 2-Butanone-d5	3.97	46	269616	48.90	ug/L	0.00
24) Chloroform-d	4.41	84	247851	5.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	115312	5.06	ug/L	0.00
32) Benzene-d6	5.10	84	503142	5.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	154502	5.22	ug/L	0.00
41) Toluene-d8	7.36	98	468438	5.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	54791	5.22	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	196542	66.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	108975	4.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	149252	5.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	153849	6.291	ug/L 100
3) Chloromethane	1.25	50	158161	5.979	ug/L 100
5) Vinyl chloride	1.32	62	152681	6.011	ug/L 100
6) Bromomethane	1.54	94	71294	7.268	ug/L 100
8) Chloroethane	1.60	64	85940	5.638	ug/L 100
9) Trichlorofluoromethane	1.77	101	192500	5.552	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	116826	5.416	ug/L 100
12) 1,1-Dichloroethene	2.14	96	109754	5.627	ug/L 100
13) Acetone	2.21	43	143325	51.412	ug/L 100
14) Carbon disulfide	2.32	76	360345	6.076	ug/L 100
15) Methyl Acetate	2.47	43	38152	5.155	ug/L 100
16) Methylene chloride	2.54	84	119206	5.088	ug/L 100
17) Methyl tert-butyl Ether	2.82	73	247937	5.075	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	120941	5.569	ug/L 100
19) 1,1-Dichloroethane	3.23	63	210334	4.932	ug/L 100
21) 2-Butanone	4.05	43	279530	49.267	ug/L 100
22) cis-1,2-Dichloroethene	3.97	96	130548	5.286	ug/L 100
23) Bromochloromethane	4.30	128	57975	5.242	ug/L 100
25) Chloroform	4.43	83	231367	5.310	ug/L 100
27) 1,2-Dichloroethane	5.19	62	132381	5.215	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	197410	5.370	ug/L 100
30) Cyclohexane	4.73	56	187933	5.655	ug/L 100
31) Carbon tetrachloride	4.88	117	172440	5.501	ug/L 100
33) Benzene	5.15	78	532104	5.639	ug/L 100
34) Trichloroethene	5.96	95	125933	5.318	ug/L 100
35) Methylcyclohexane	6.18	83	200308	5.673	ug/L 100
37) 1,2-Dichloropropane	6.23	63	137192	5.519	ug/L 100
38) Bromodichloromethane	6.56	83	157125	5.292	ug/L 100
39) cis-1,3-Dichloropropene	7.08	75	165422	5.366	ug/L 100
40) 4-Methyl-2-pentanone	7.29	43	646999	51.199	ug/L 100

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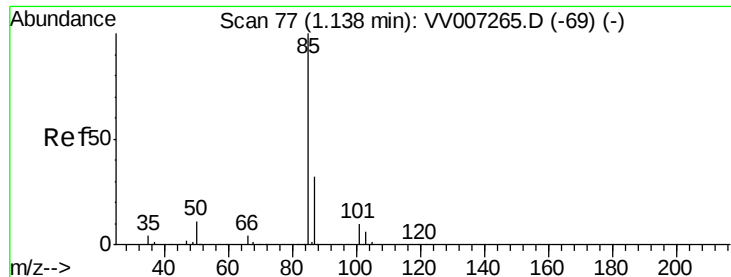
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 01:34:24 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	549938	5.901	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	140411	5.444	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	88118	5.032	ug/L	100
47) Tetrachloroethene	8.02	164	109486	5.573	ug/L	100
48) 2-Hexanone	8.20	43	487519	51.973	ug/L	100
49) Dibromochloromethane	8.30	129	102258	5.126	ug/L	100
50) 1,2-Dibromoethane	8.40	107	79075	5.237	ug/L	100
51) Chlorobenzene	8.93	112	336463	5.379	ug/L	100
52) Ethylbenzene	9.06	91	528196	5.639	ug/L	100
53) m,p-xylene	9.19	106	210920	5.853	ug/L	100
54) o-xylene	9.59	106	193395	5.791	ug/L	100
55) Styrene	9.61	104	356620	6.068	ug/L	100
56) Isopropylbenzene	9.98	105	503650	5.723	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	105634	5.136	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	74416	5.045	ug/L	100
61) Bromoform	9.78	173	55410	4.944	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	233816	5.151	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	251736	5.223	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	241576	5.298	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	14882	5.452	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	191465	5.635	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	143881	6.147	ug/L	100
69) Naphthalene	13.56	128	205281	6.664	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	137731	6.020	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 6.291 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

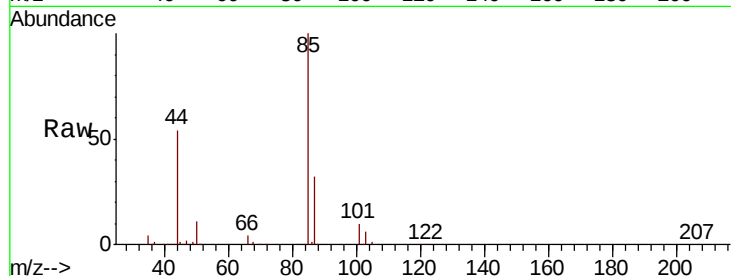
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 153849

Ion Ratio Lower Upper

85 100

87 26.7 21.4 32.0



Abundance Ion 85.00 (84.70 to 85.70): VV007265.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007265.D (-69) (-)

1.14

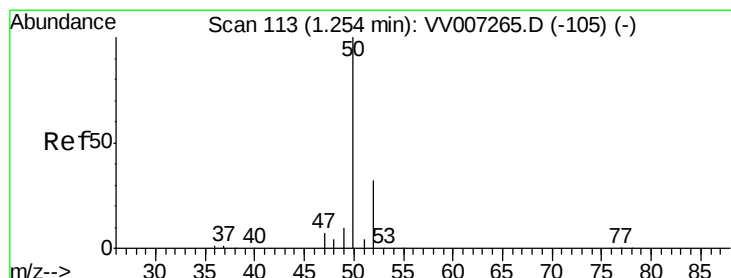
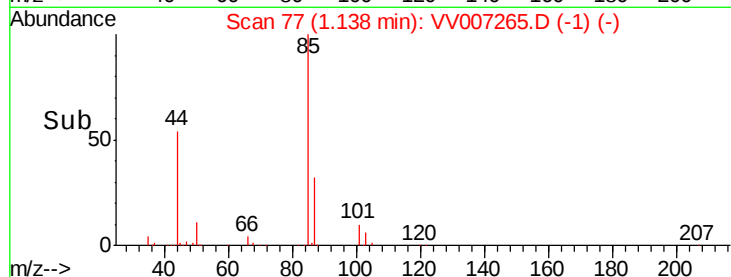
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.979 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007265.D

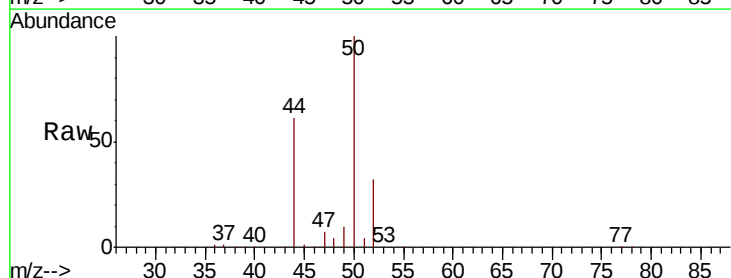
Acq: 30 Aug 2018 16:05

Tgt Ion: 50 Resp: 158161

Ion Ratio Lower Upper

50 100

52 32.0 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VV007265.D (-105) (-)

Ion 52.05 (51.75 to 52.75): VV007265.D (-105) (-)

1.25

100000

80000

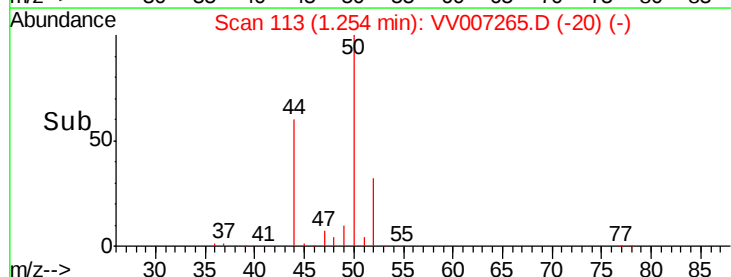
60000

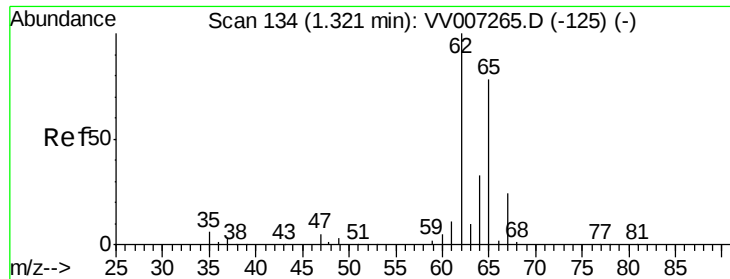
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 6.011 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

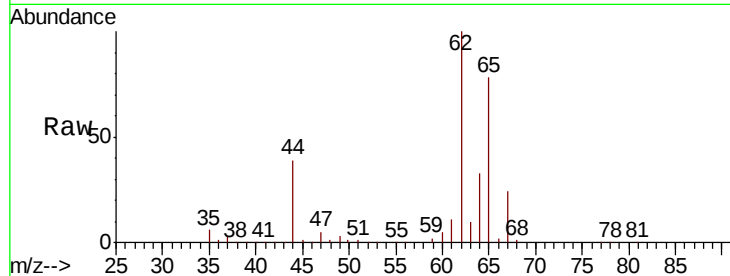
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 152681

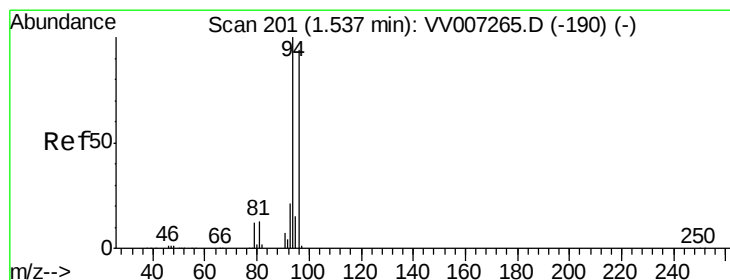
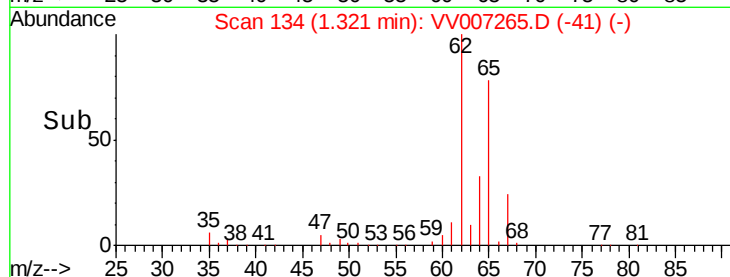
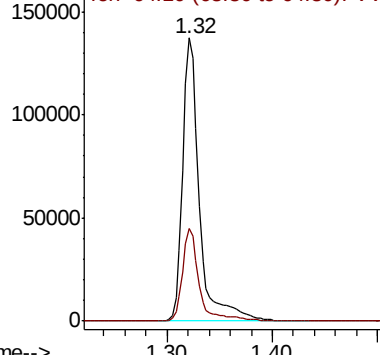
Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 7.268 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007265.D

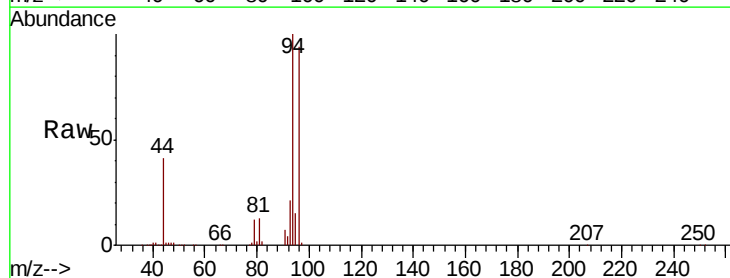
Acq: 30 Aug 2018 16:05

Tgt Ion: 94 Resp: 71294

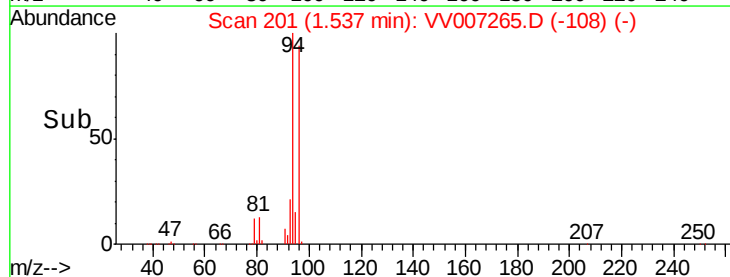
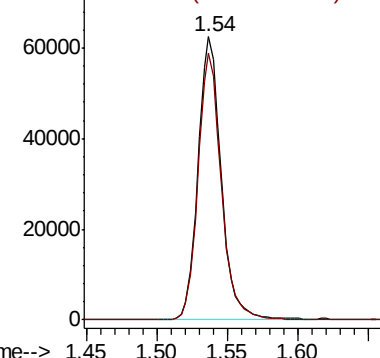
Ion Ratio Lower Upper

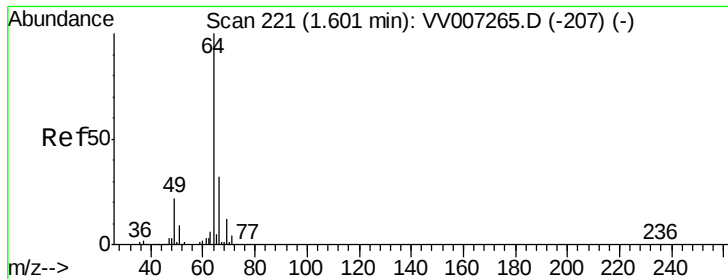
94 100

96 94.0 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.638 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

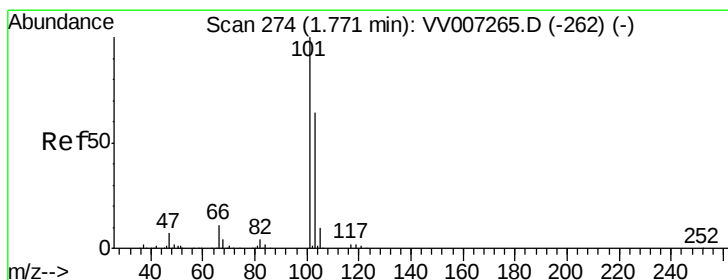
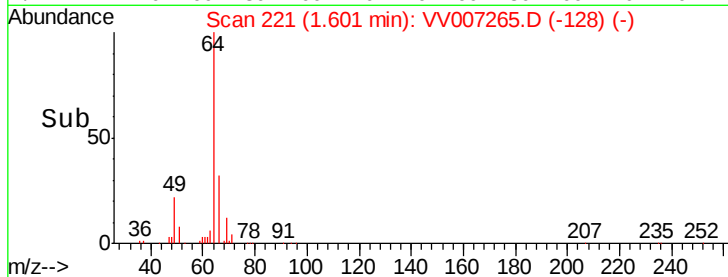
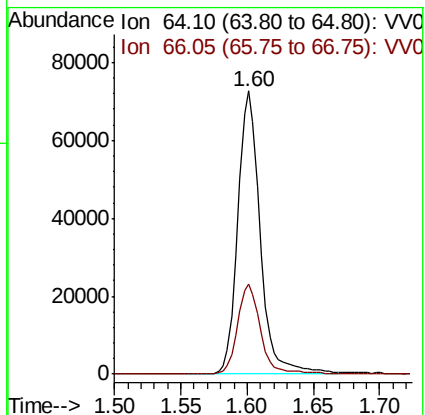
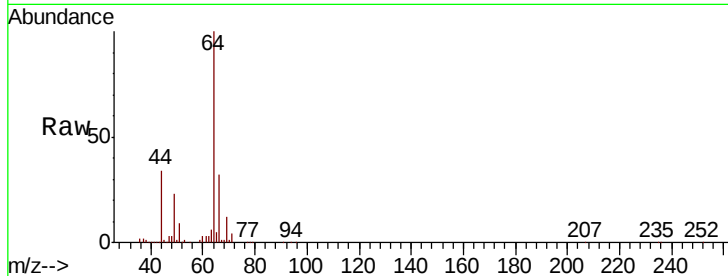
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 85940

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 5.552 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007265.D

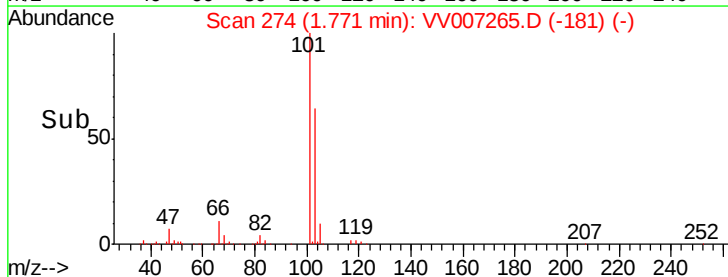
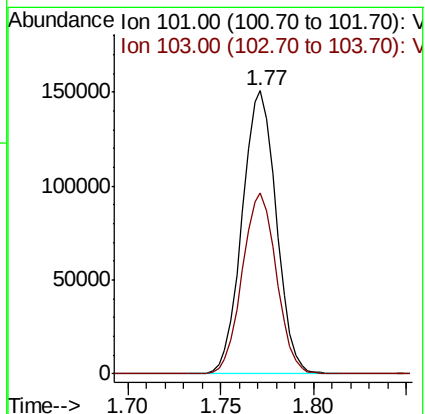
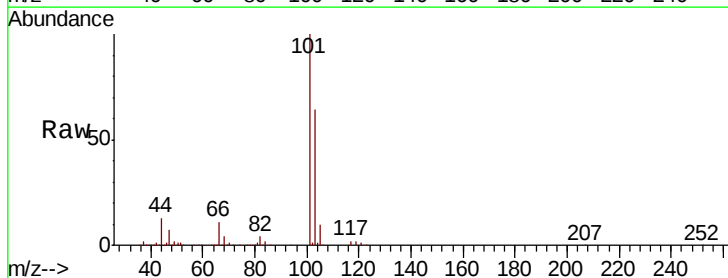
Acq: 30 Aug 2018 16:05

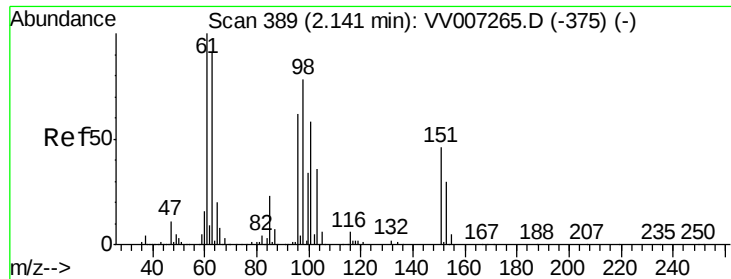
Tgt Ion: 101 Resp: 192500

Ion Ratio Lower Upper

101 100

103 64.2 51.4 77.0





#10

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

Concen: 5.416 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Instrument :

MSVOA_V

ClientSampled :

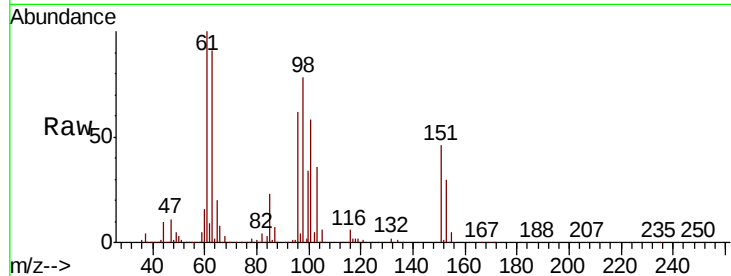
Tot Ion:101 Resp: 116826

Ion Ratio Lower Upper

101 100

85 40.5 32.4 48.6

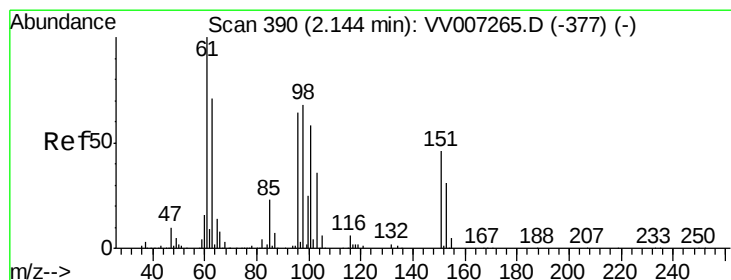
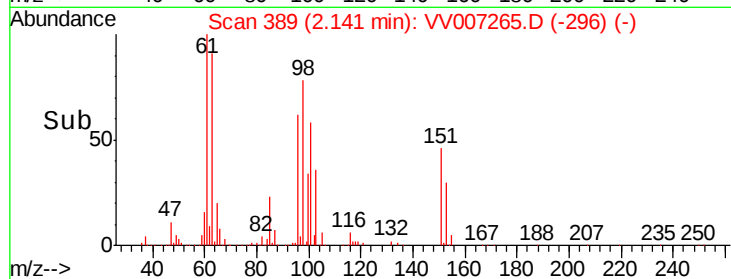
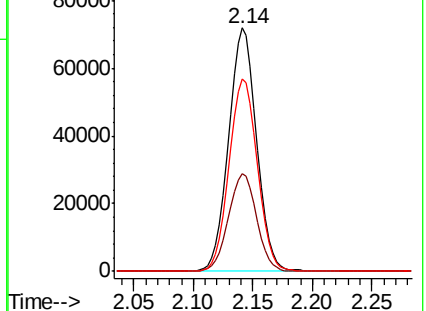
151 80.2 64.2 96.2



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: 5.627 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

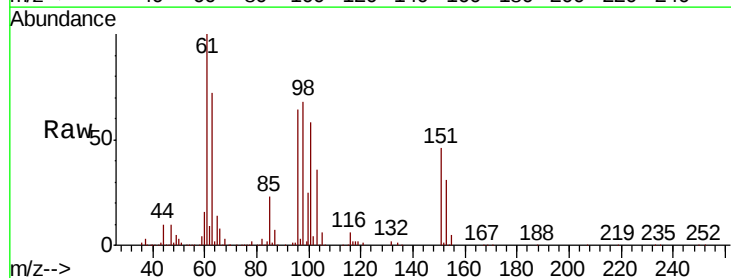
Tgt Ion: 96 Resp: 109754

Ion Ratio Lower Upper

96 100

61 155.4 108.8 202.0

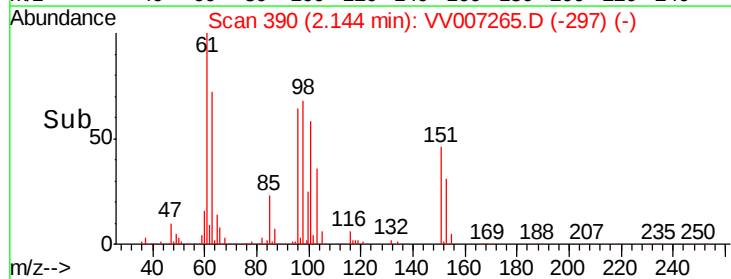
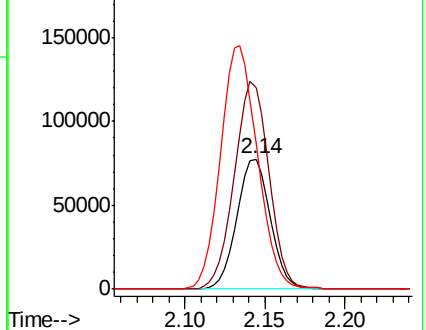
63 111.5 78.0 144.9

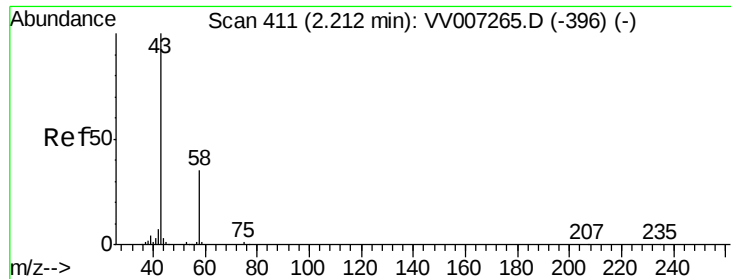


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.412 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Instrument :

MSVOA_V

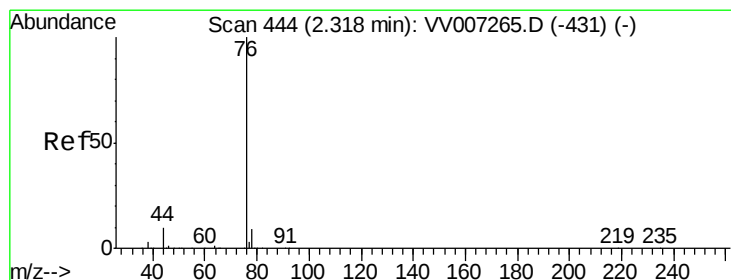
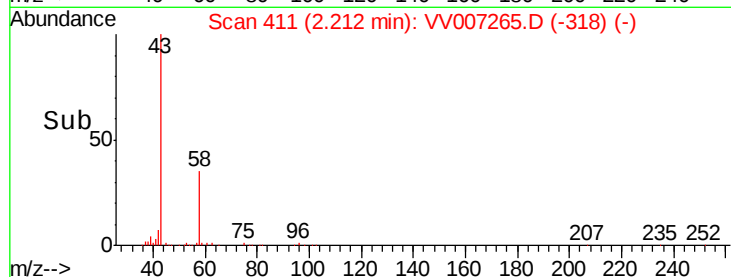
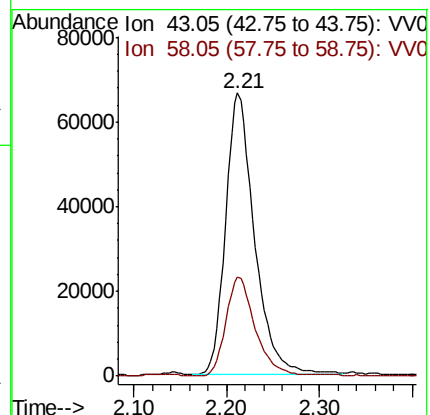
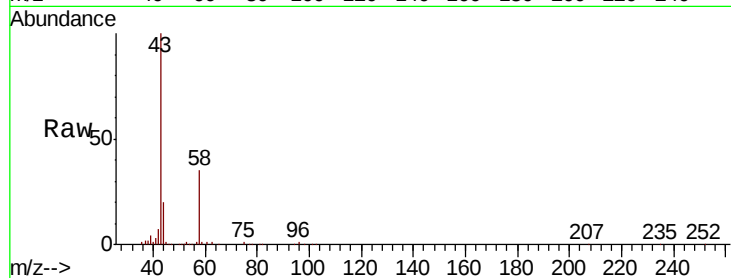
ClientSampleId :

Tot Ion: 43 Resp: 143325

Ion Ratio Lower Upper

43 100

58 35.9 0.0 71.8



#14

Carbon disulfide

Concen: 6.076 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007265.D

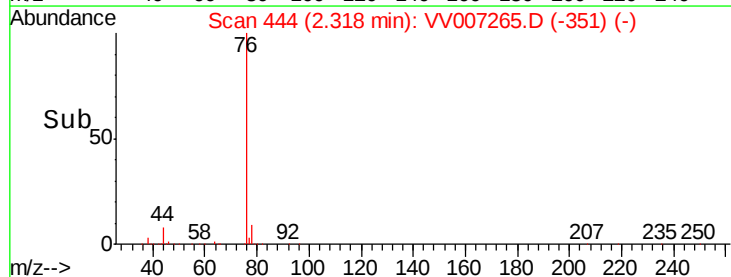
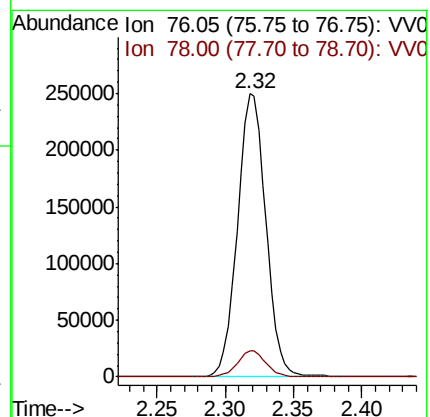
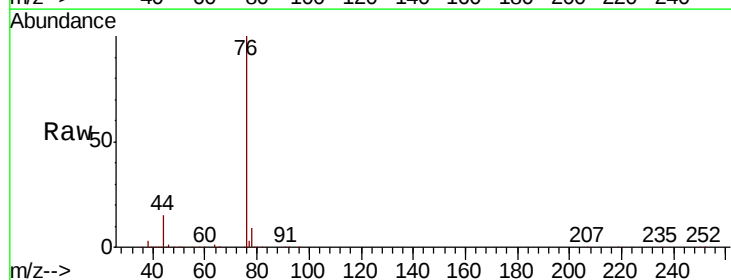
Acq: 30 Aug 2018 16:05

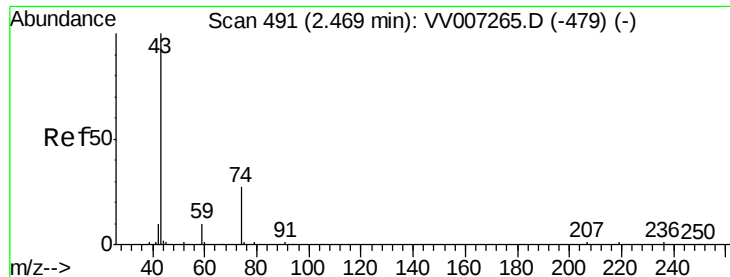
Tgt Ion: 76 Resp: 360345

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methvl Acetate

Concen: 5.155 ug/L

RT: 2.47 min Scan# 491

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

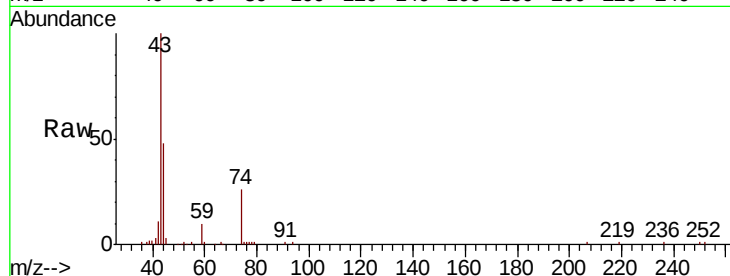
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 38152

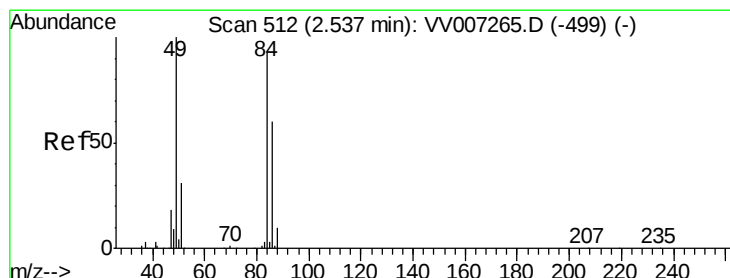
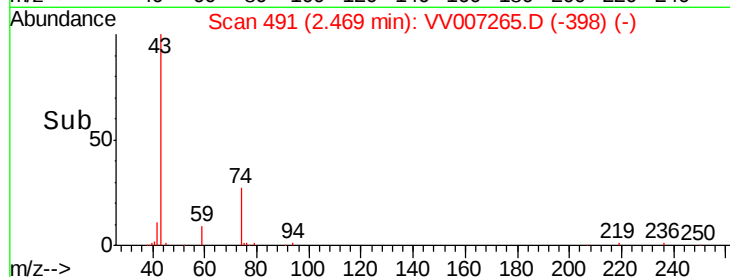
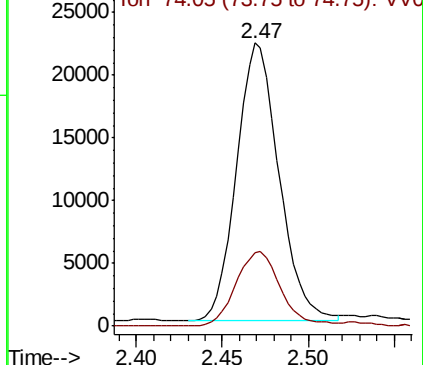
Ion Ratio Lower Upper

43 100

74 28.1 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: 5.088 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

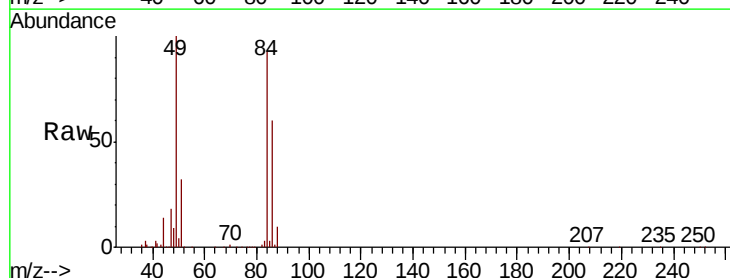
Tgt Ion: 84 Resp: 119206

Ion Ratio Lower Upper

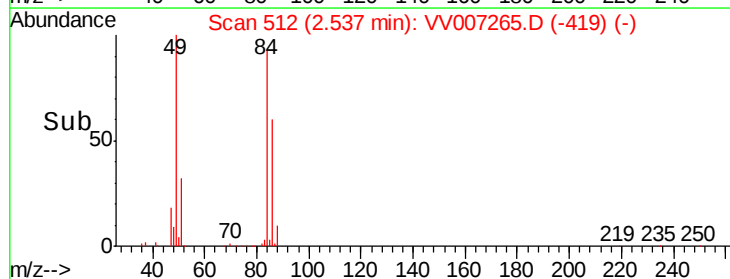
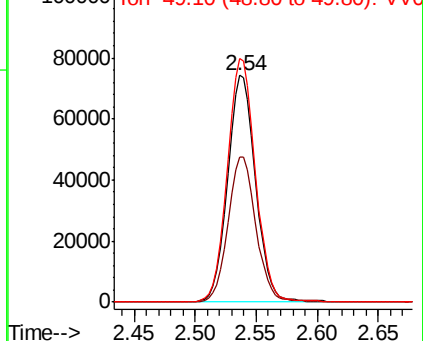
84 100

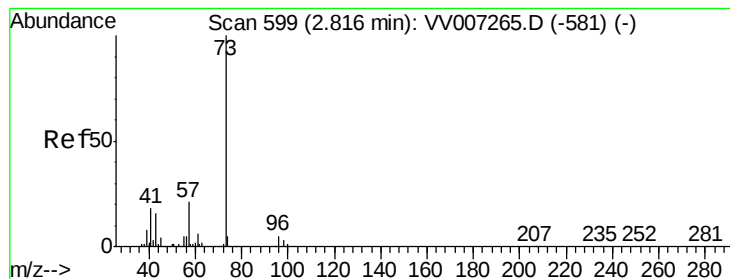
86 64.0 44.8 83.2

49 107.4 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



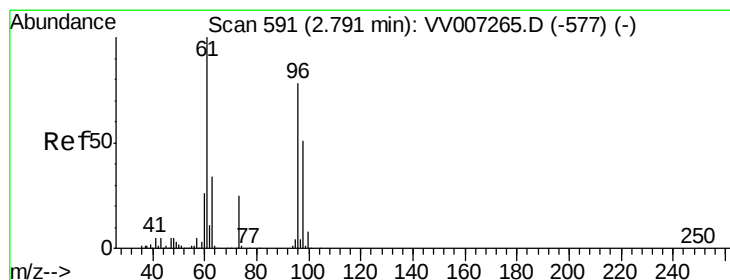
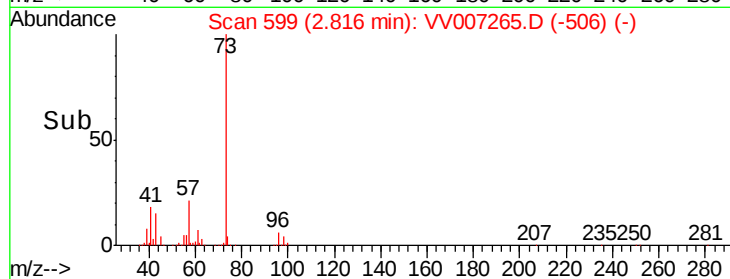
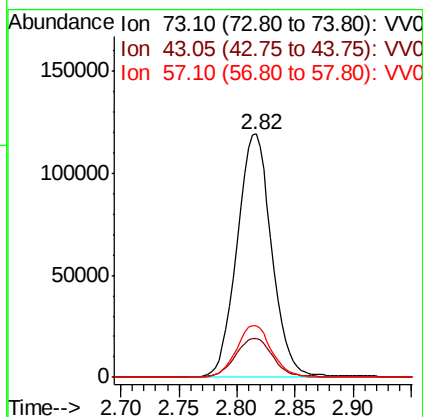
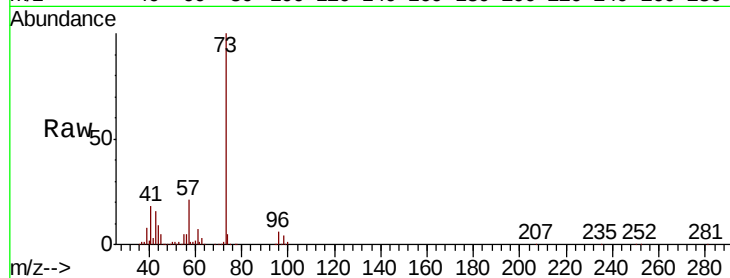


#17

Methvl tert-butvl Ether
 Concen: 5.075 ug/L
 RT: 2.82 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Instrument :
 MSVOA_V
 ClientSampleId :

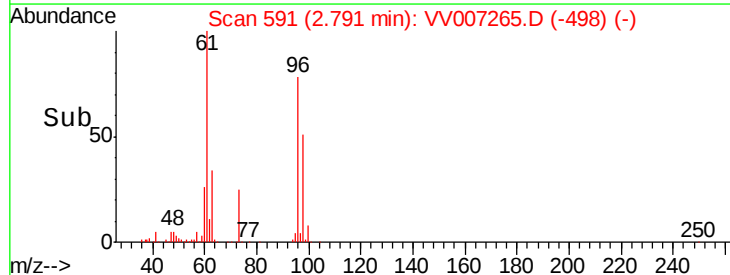
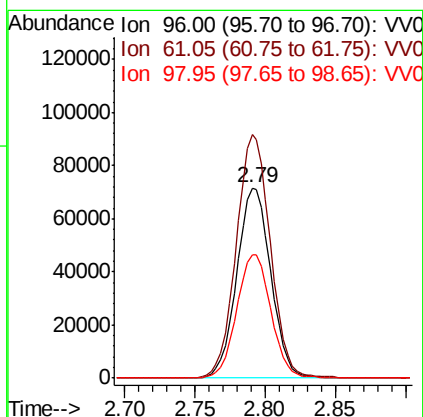
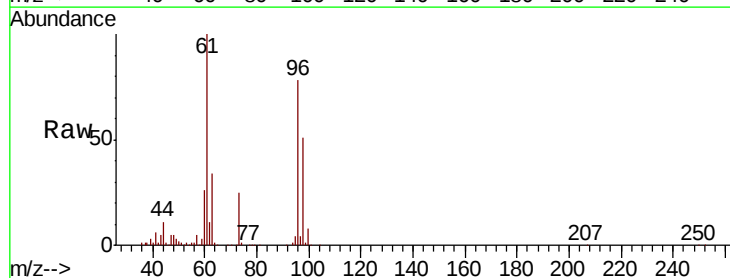
Tot Ion:	73	Resp:	247937
Ion	Ratio	Lower	Upper
73	100		
43	16.5	13.2	19.8
57	21.6	17.3	25.9

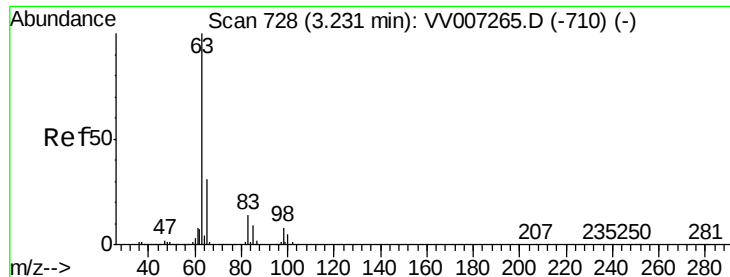


#18

trans-1,2-Dichloroethene
 Concen: 5.569 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Tgt Ion:	96	Resp:	120941
Ion	Ratio	Lower	Upper
96	100		
61	127.9	89.5	166.3
98	64.7	45.3	84.1

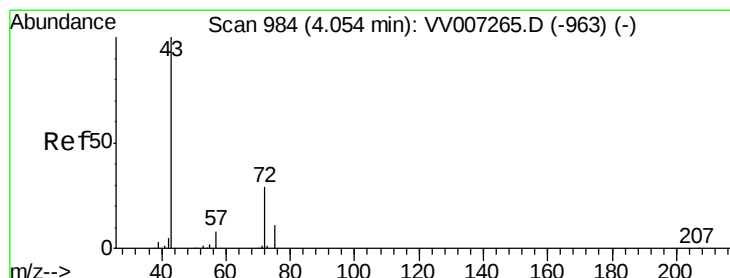
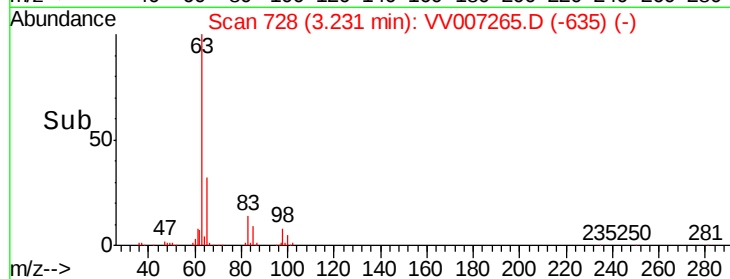
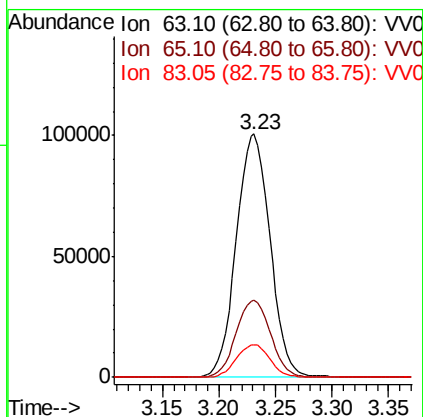
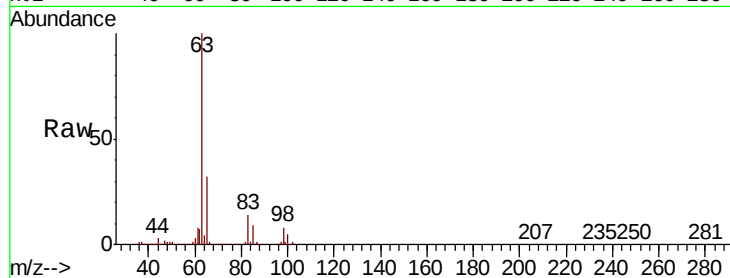




#19
 1,1-Dichloroethane
 Concen: 4.932 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

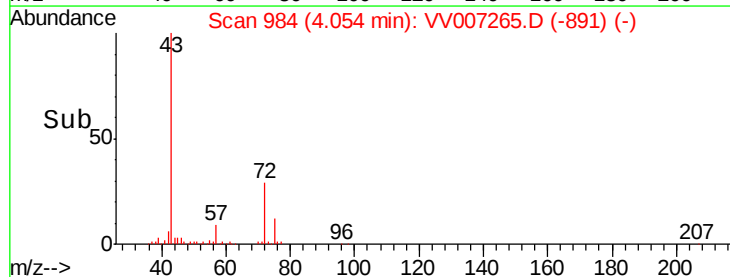
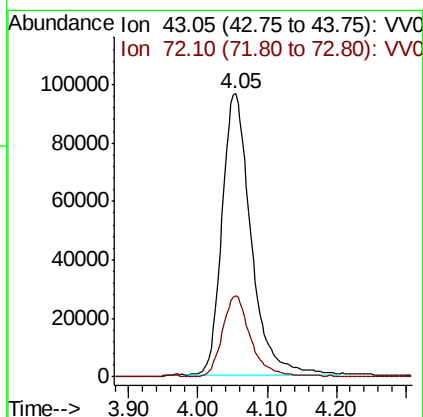
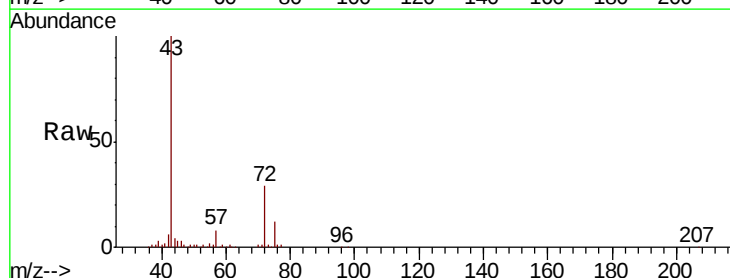
Instrument :
 MSVOA_V
 ClientSampleId :

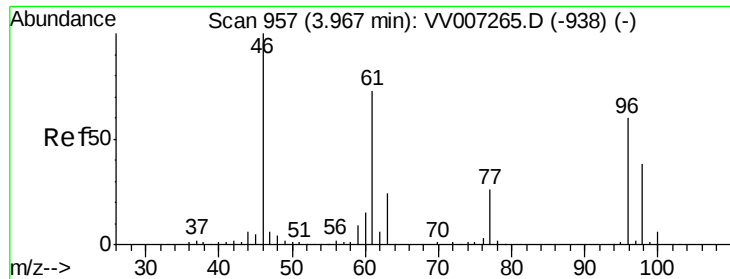
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.1	41.1
83	13.5	9.4	17.6



#21
 2-Butanone
 Concen: 49.267 ug/L
 RT: 4.05 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.2	14.1	42.3

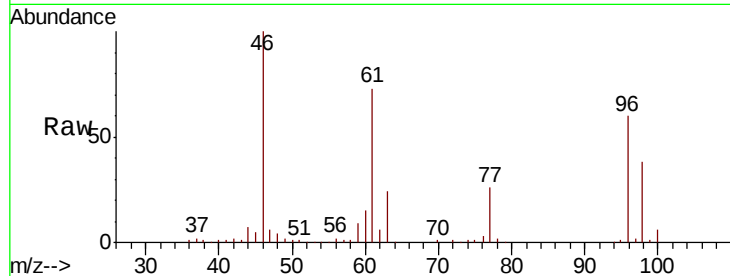




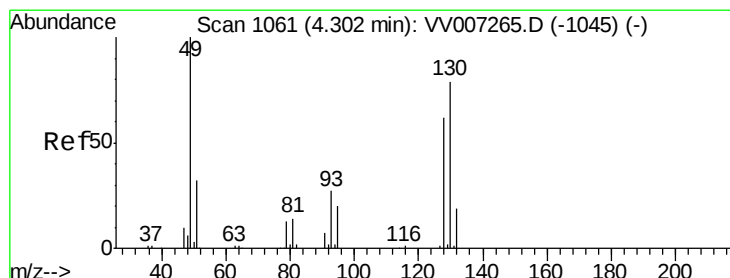
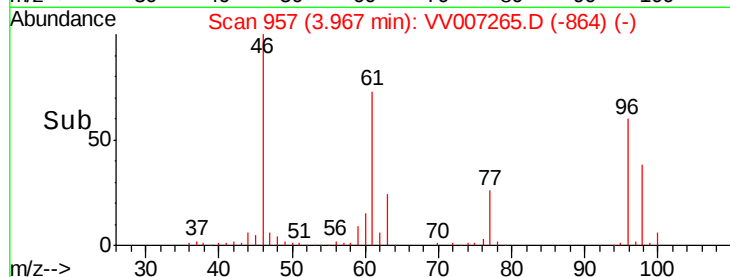
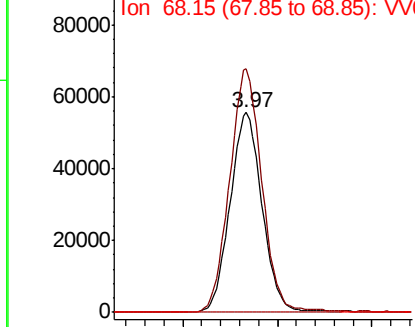
#22
 cis-1,2-Dichloroethene
 Concen: 5.286 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 130548
 Ion Ratio Lower Upper
 96 100
 61 122.0 85.4 158.6
 68 0.0 0.0 0.0

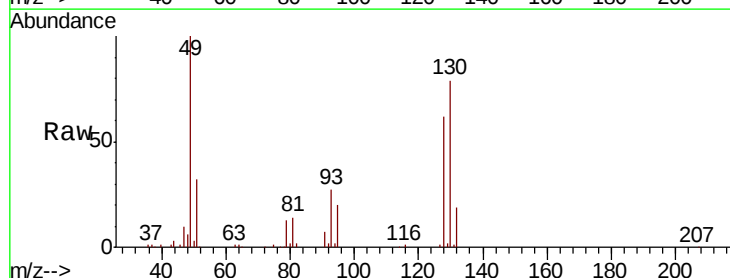


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

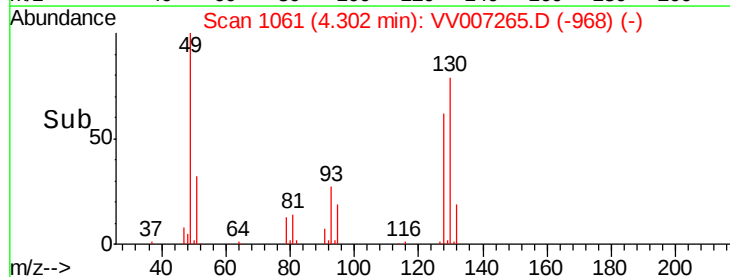
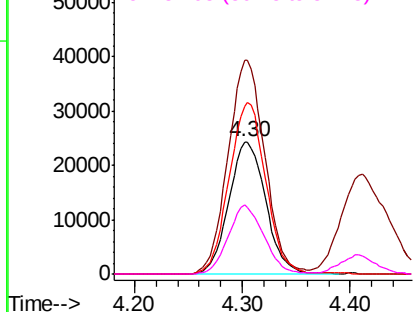


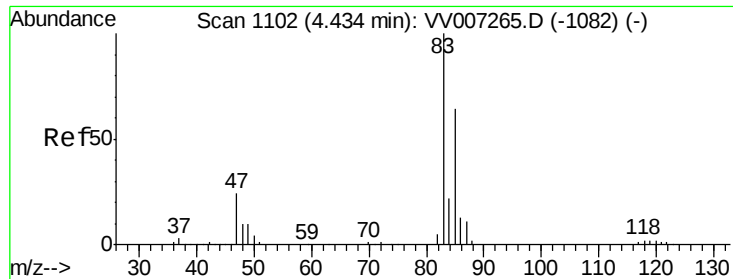
#23
 Bromochloromethane
 Concen: 5.242 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Tgt Ion: 128 Resp: 57975
 Ion Ratio Lower Upper
 128 100
 49 161.6 113.1 210.1
 130 126.9 88.8 165.0
 51 52.4 41.9 62.9



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

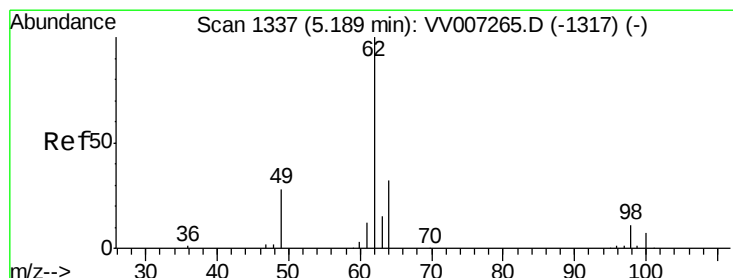
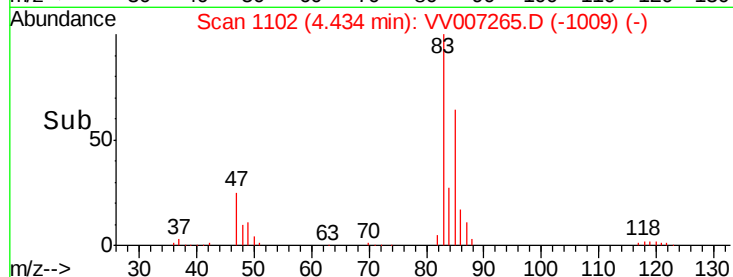
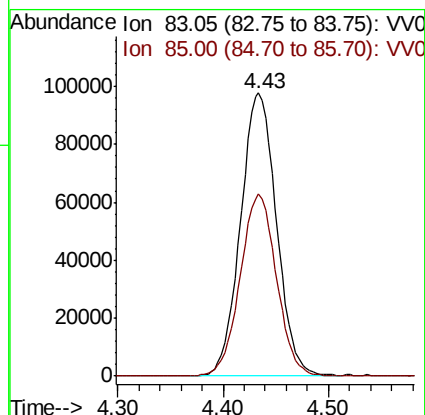
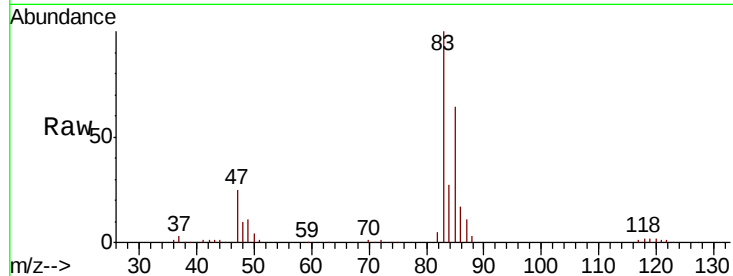




#25
Chloroform
Concen: 5.310 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007265.D
Acq: 30 Aug 2018 16:05

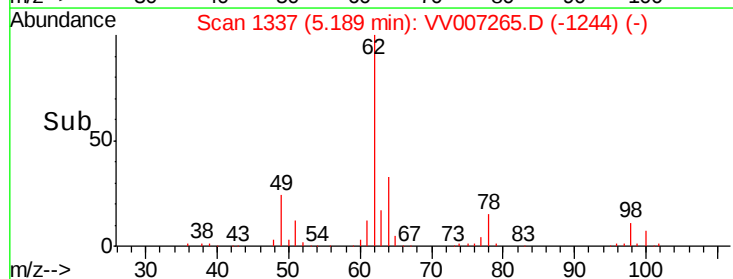
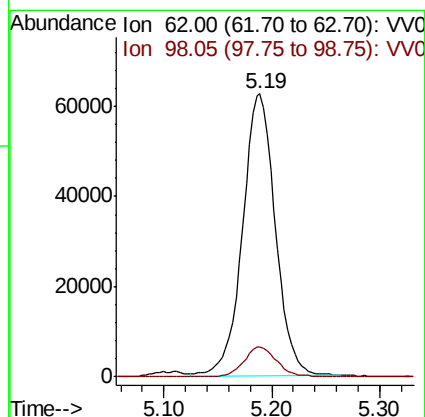
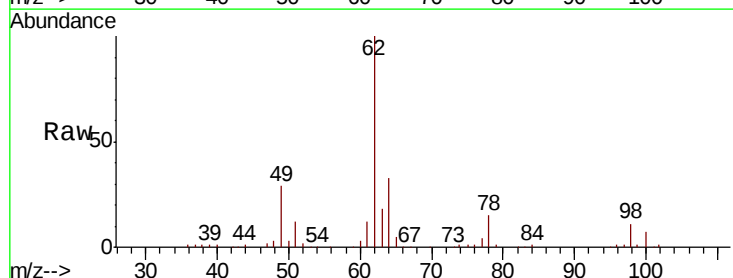
Instrument :
MSVOA_V
ClientSampled :

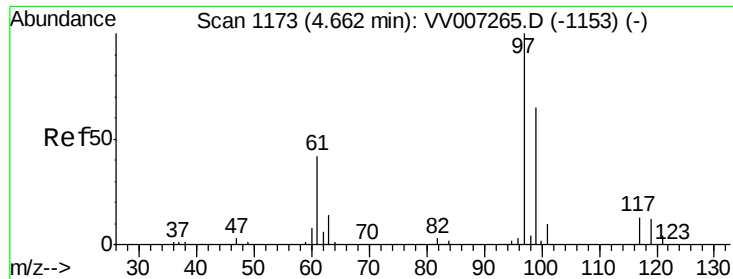
Tot Ion: 83 Resp: 231367
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.215 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007265.D
Acq: 30 Aug 2018 16:05

Tgt Ion: 62 Resp: 132381
Ion Ratio Lower Upper
62 100
98 10.7 8.6 12.8

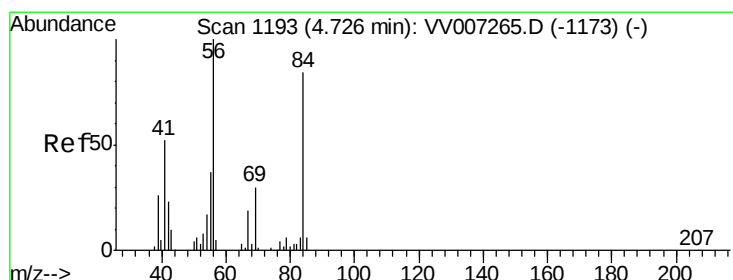
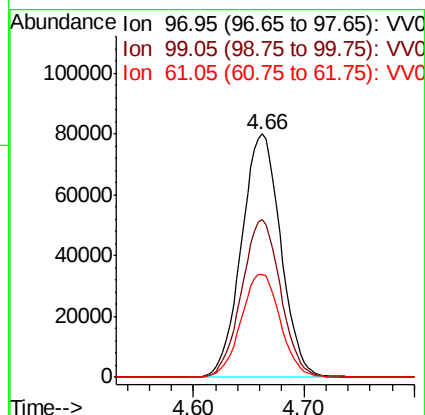
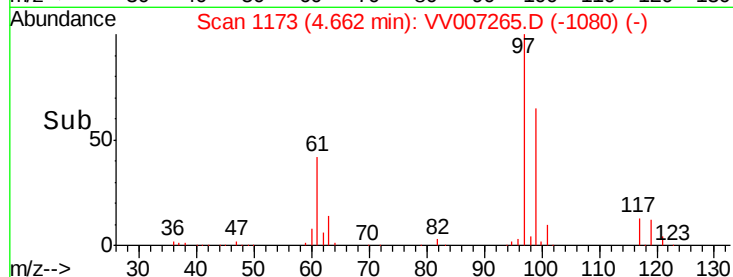
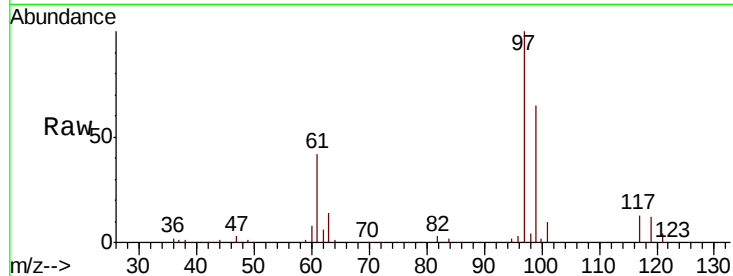




#29
 1,1,1-Trichloroethane
 Concen: 5.370 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

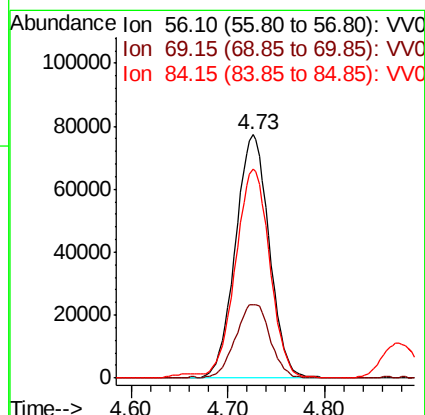
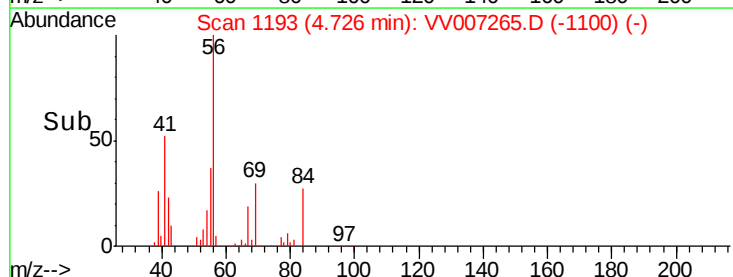
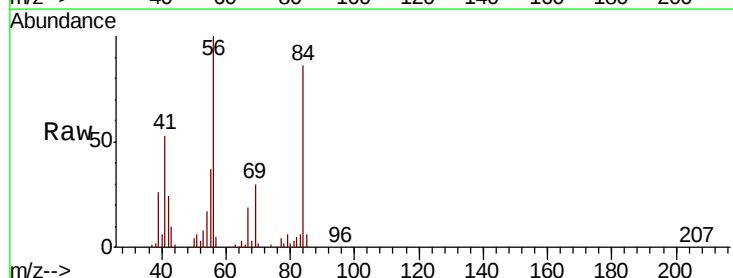
Instrument :
 MSVOA_V
 ClientSampled :

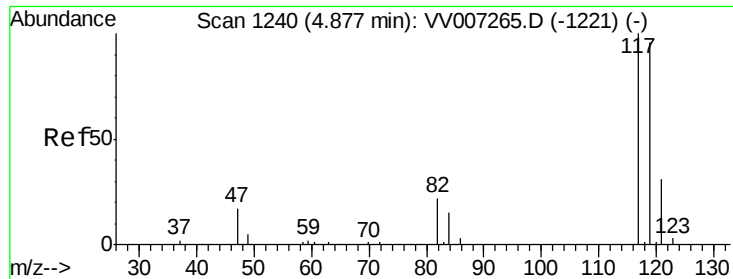
Tot Ion: 97 Resp: 197410
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 42.4 33.9 50.9



#30
 Cyclohexane
 Concen: 5.655 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Tgt Ion: 56 Resp: 187933
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.7 37.1
 84 85.9 68.7 103.1





#31

Carbon tetrachloride

Concen: 5.501 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Instrument :

MSVOA_V

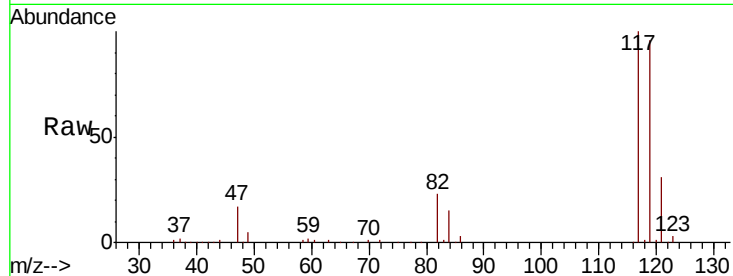
ClientSampleId :

Tot Ion:117 Resp: 172440

Ion Ratio Lower Upper

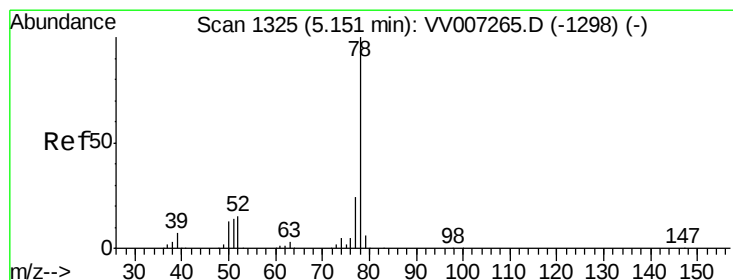
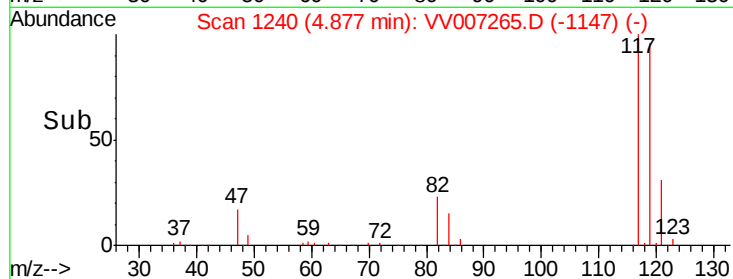
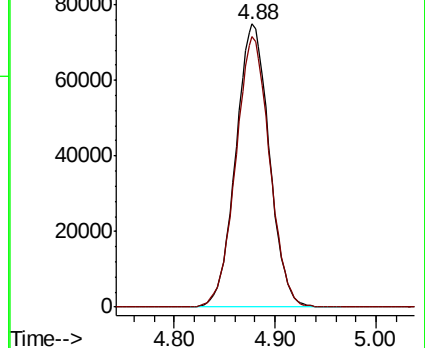
117 100

119 96.3 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.639 ug/L

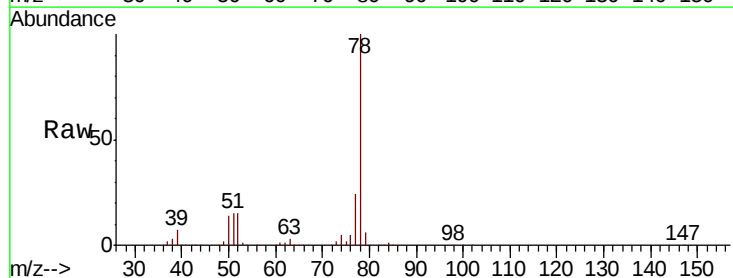
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

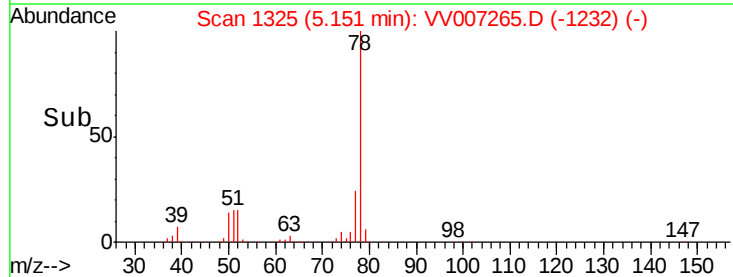
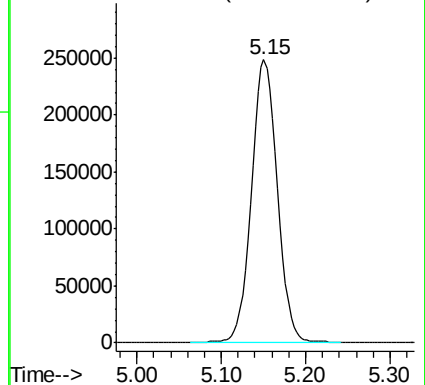
Lab File: VV007265.D

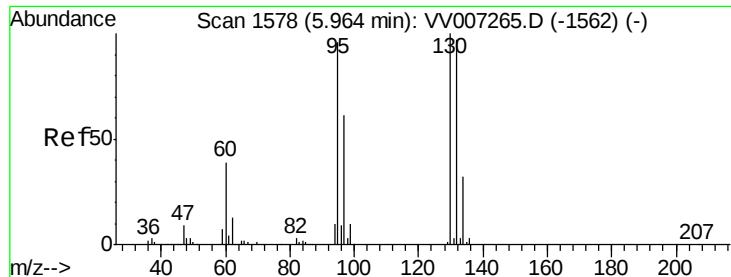
Acq: 30 Aug 2018 16:05

Tgt Ion: 78 Resp: 532104



Abundance Ion 78.10 (77.80 to 78.80): VV0

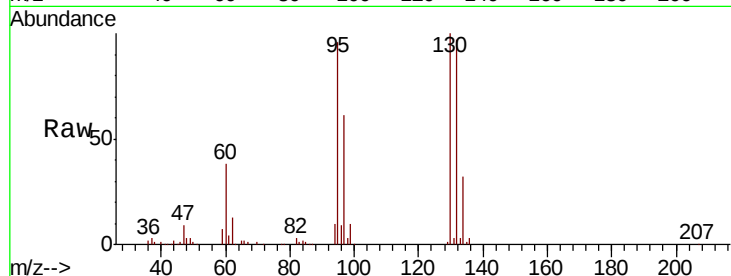




#34
 Trichloroethene
 Concen: 5.318 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	95	Resp	125933
Ion Ratio	Lower	Upper	
95	100		
97	63.2	44.2	82.2
132	101.3	70.9	131.7
130	103.9	72.7	135.1



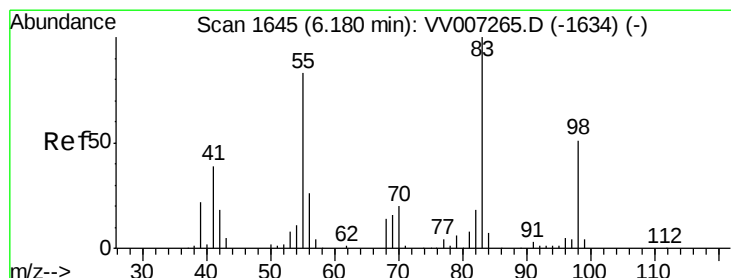
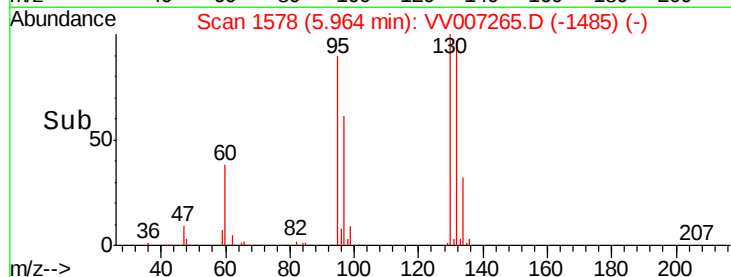
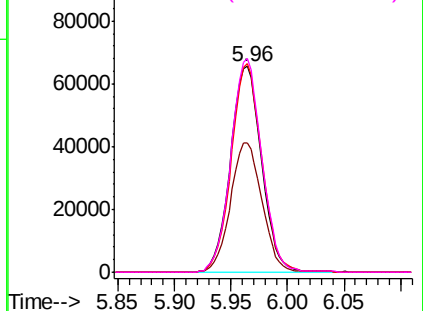
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

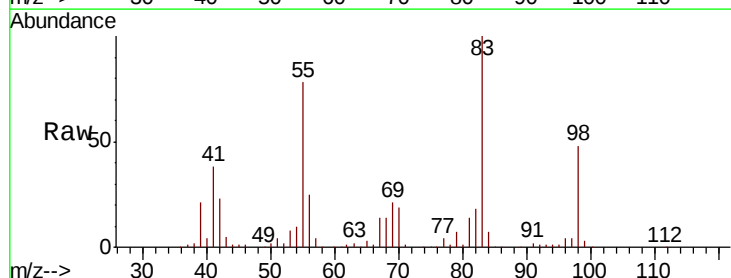
Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35
 Methylcyclohexane
 Concen: 5.673 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Tgt Ion	83	Resp	200308
Ion Ratio	Lower	Upper	
83	100		
55	79.4	63.5	95.3
98	48.6	38.9	58.3

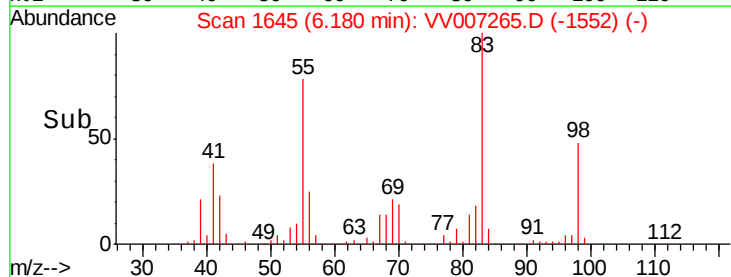
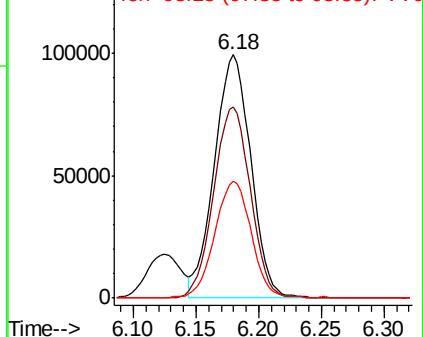


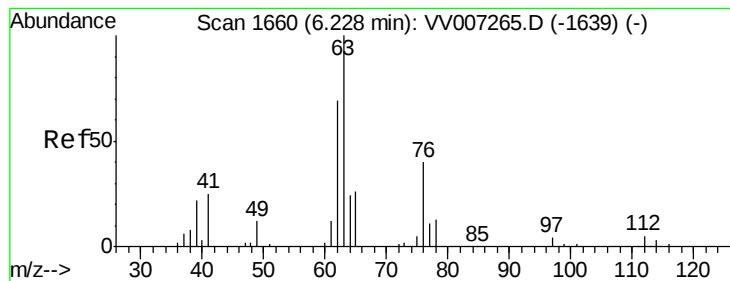
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.519 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Instrument :

MSVOA_V

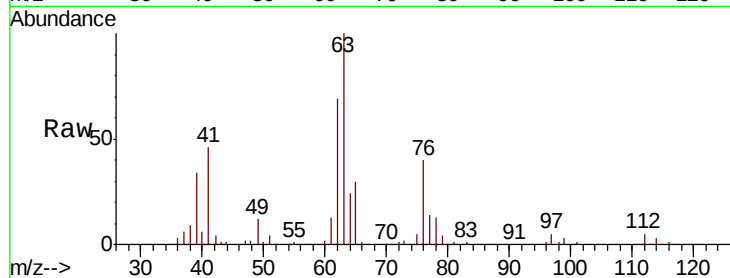
ClientSampleId :

Tot Ion: 63 Resp: 137192

Ion Ratio Lower Upper

63 100

112 4.9 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

80000

60000

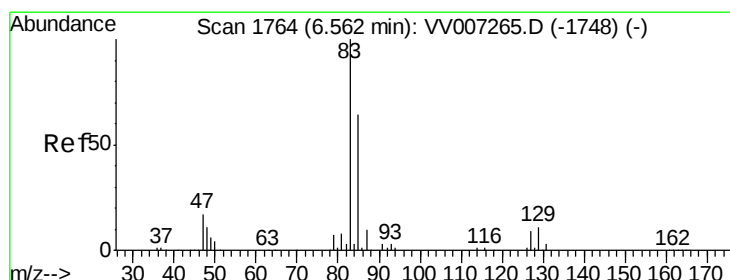
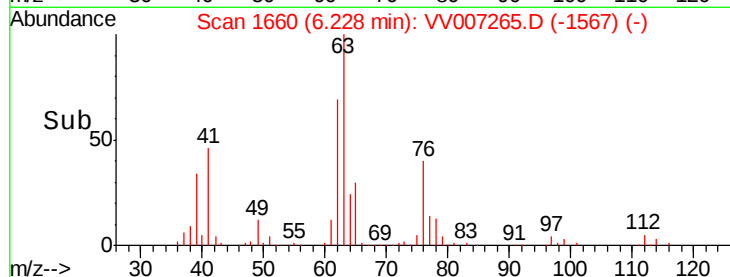
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.292 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

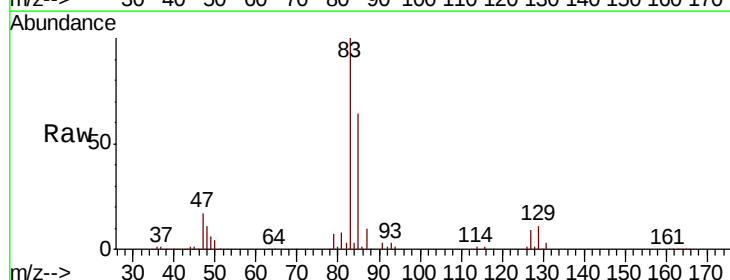
Tgt Ion: 83 Resp: 157125

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

127 8.6 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

120000

100000

80000

60000

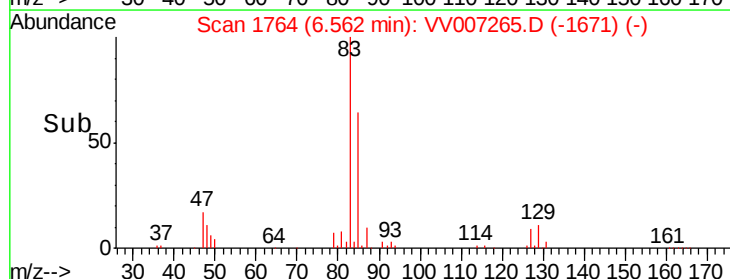
40000

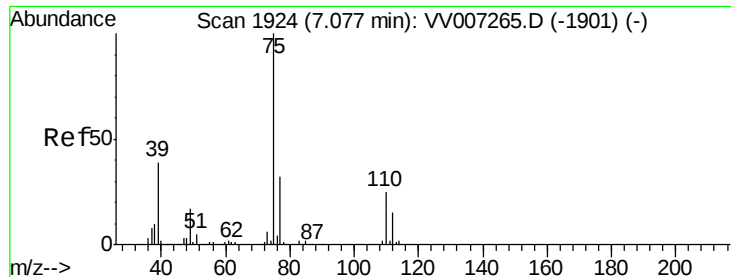
20000

0

6.50 6.55 6.60

Time-->

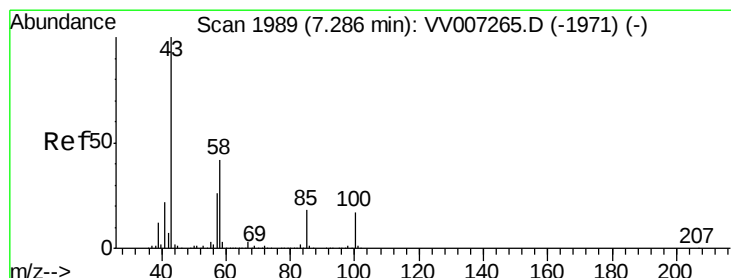
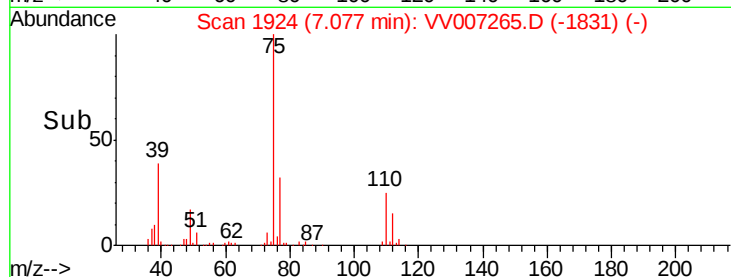
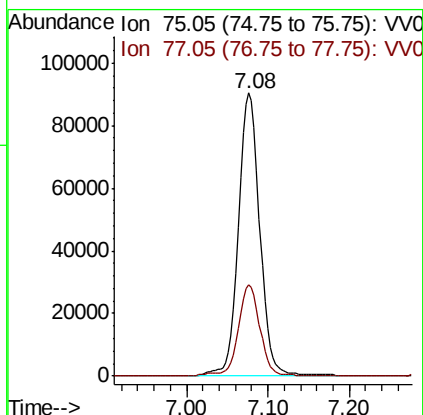
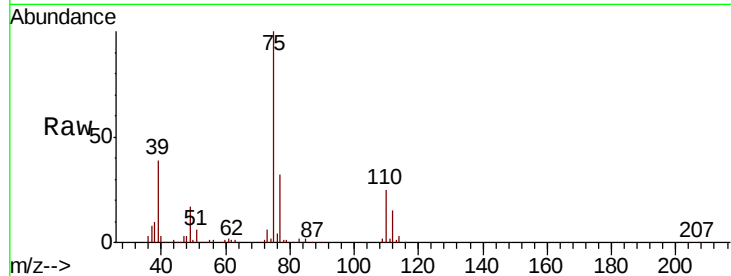




#39
 cis-1,3-Dichloropropene
 Concen: 5.366 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

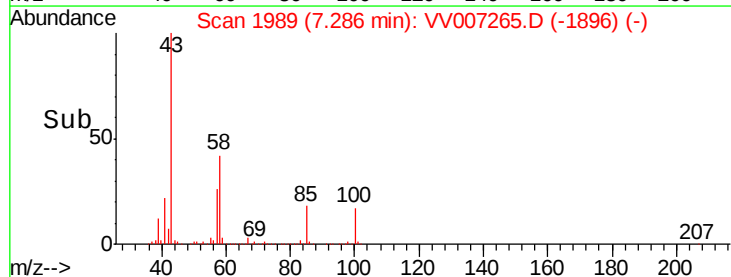
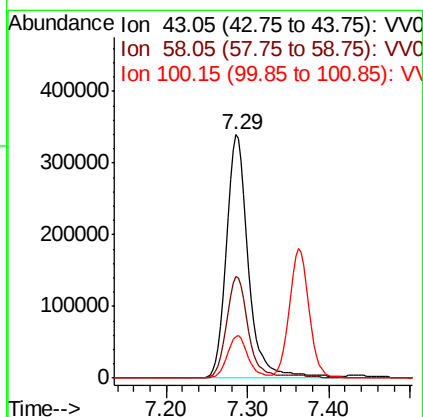
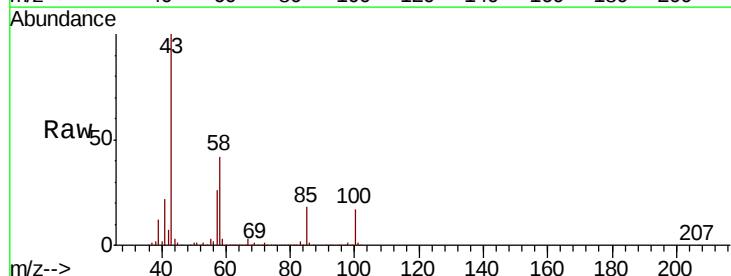
Instrument :
 MSVOA_V
 ClientSampleId :

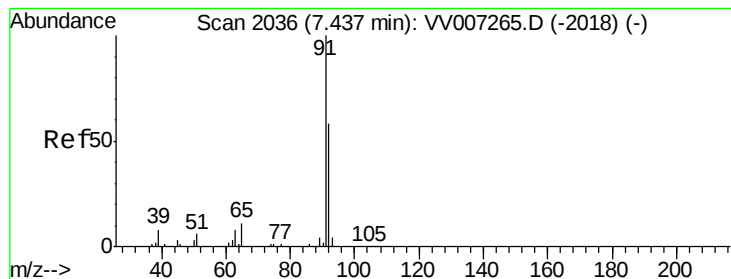
Tot Ion: 75 Resp: 165422
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 51.199 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Tgt Ion: 43 Resp: 646999
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.7 49.1
 100 16.4 13.1 19.7





#42

Toluene

Concen: 5.901 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

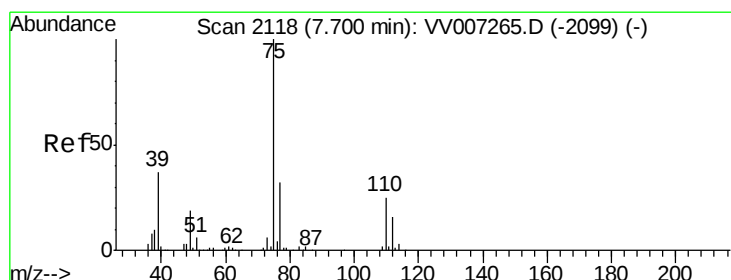
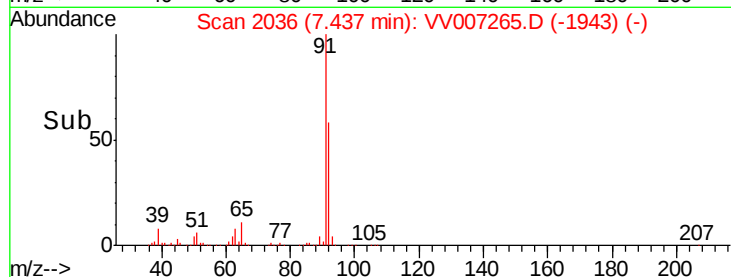
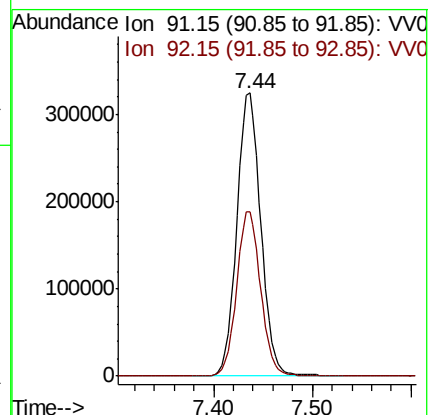
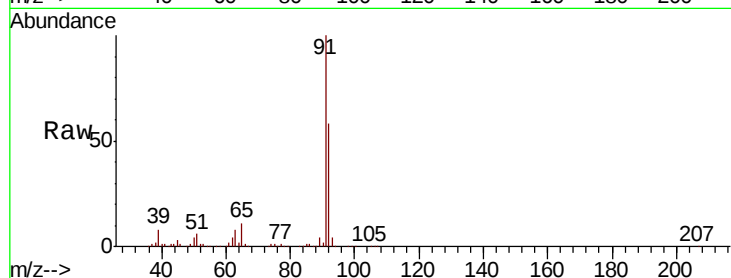
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 549938

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.444 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007265.D

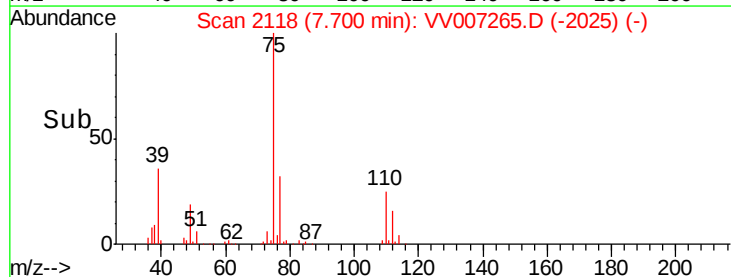
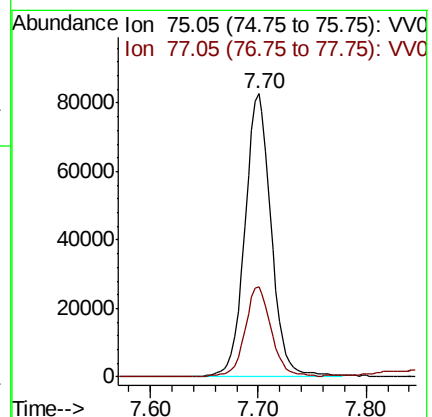
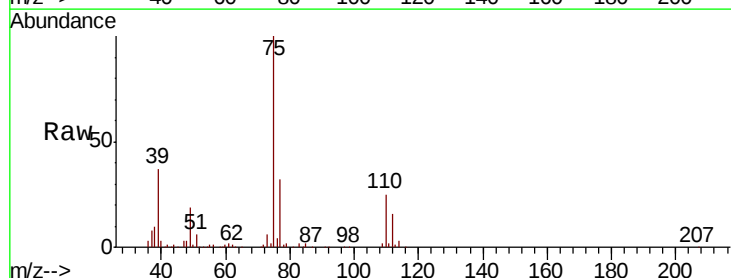
Acq: 30 Aug 2018 16:05

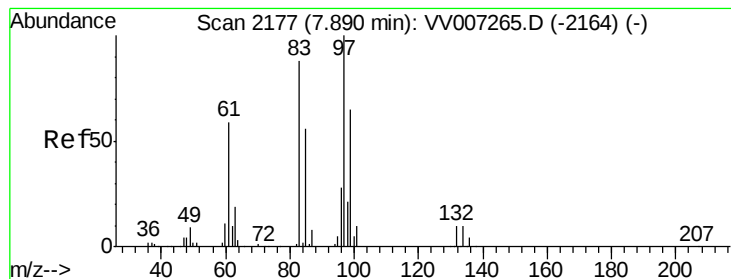
Tgt Ion: 75 Resp: 140411

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 5.032 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 88118

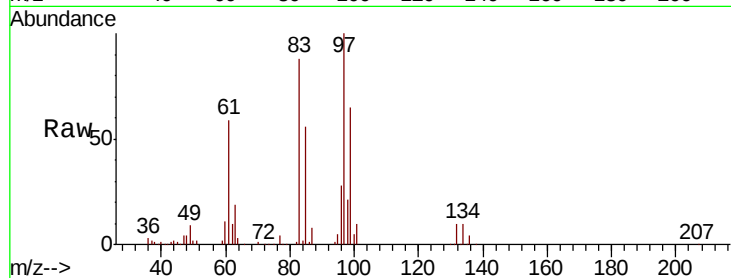
Ion Ratio Lower Upper

97 100

99 65.1 45.6 84.6

83 87.7 61.4 114.0

85 56.3 39.4 73.2



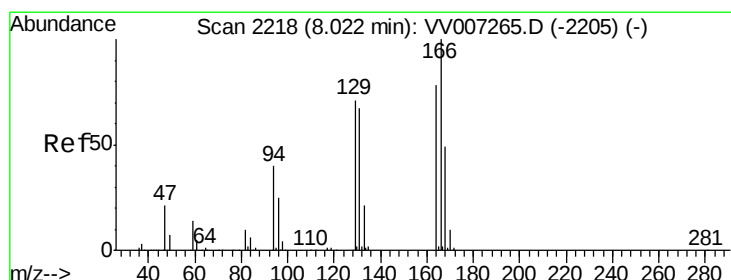
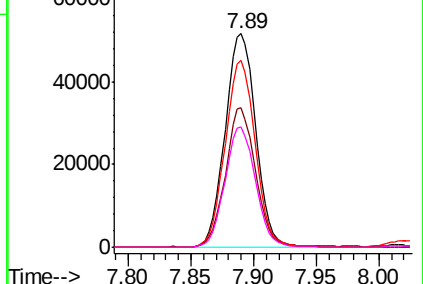
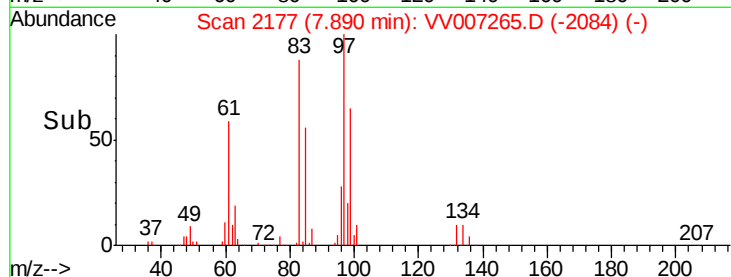
Abundance

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: 5.573 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Tgt Ion:164 Resp: 109486

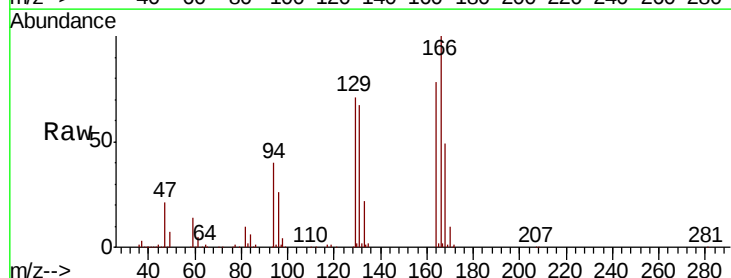
Ion Ratio Lower Upper

164 100

129 91.1 63.8 118.4

131 86.2 60.3 112.1

166 127.8 89.5 166.1



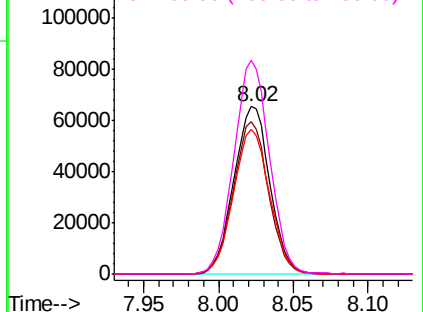
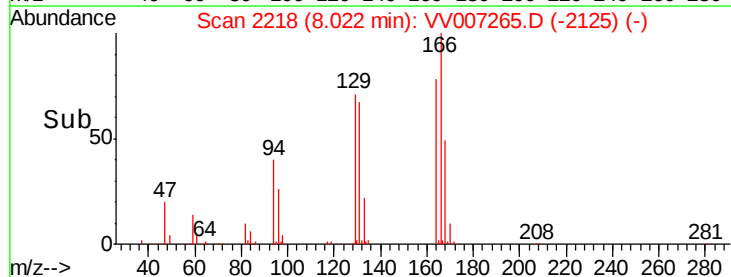
Abundance

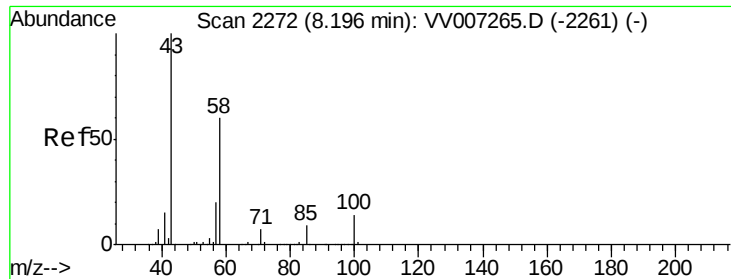
Ion 163.90 (163.60 to 164.60): V

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

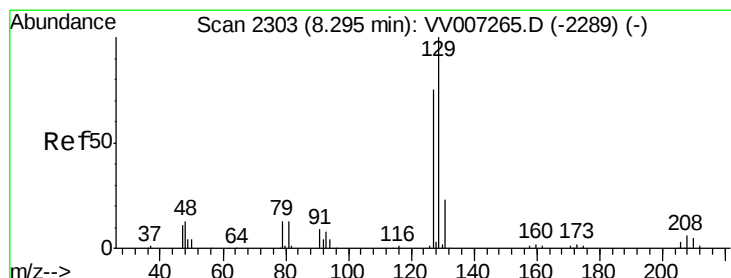
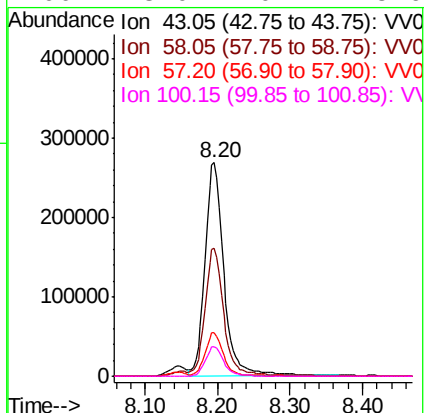
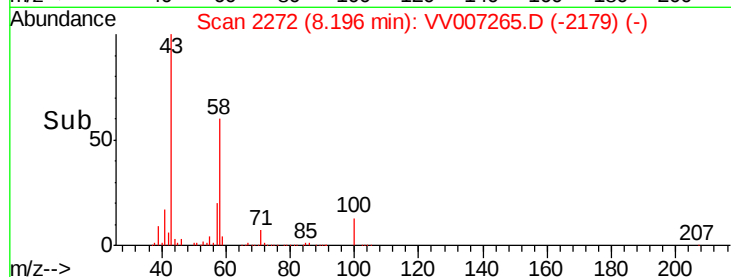
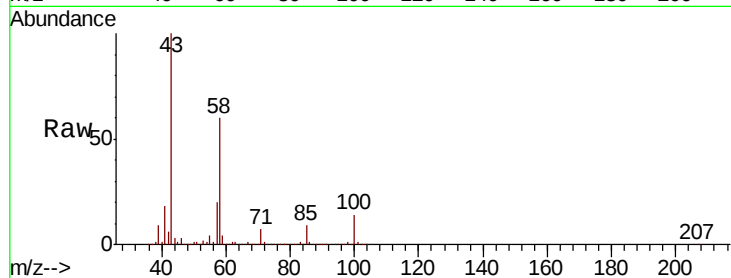




#48
2-Hexanone
Concen: 51.973 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007265.D
Acq: 30 Aug 2018 16:05

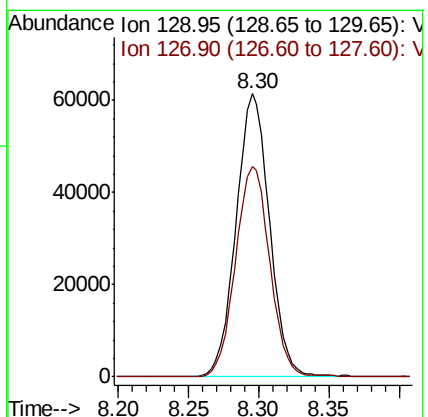
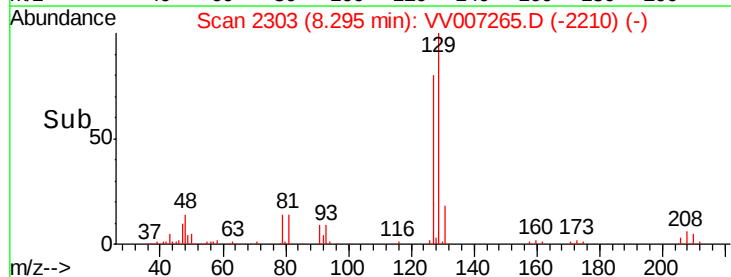
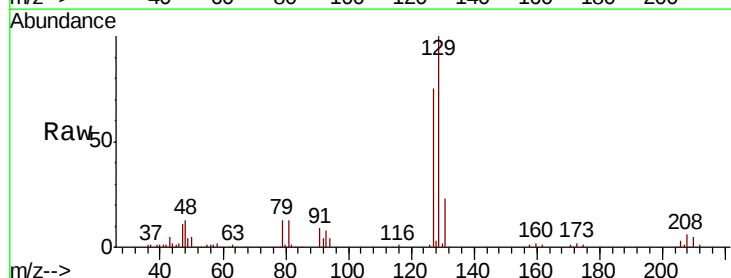
Instrument :
MSVOA_V
ClientSampleId :

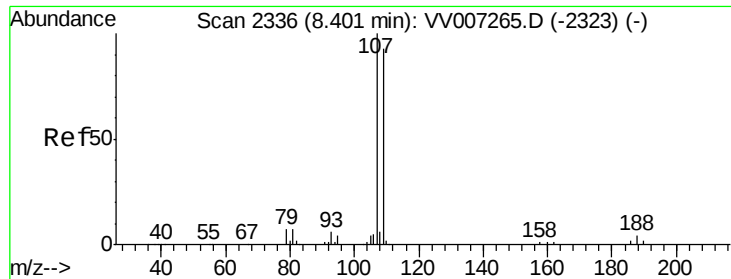
Tot Ion: 43 Resp: 487519
Ion Ratio Lower Upper
43 100
58 58.2 46.6 69.8
57 19.2 15.4 23.0
100 13.0 10.4 15.6



#49
Dibromochloromethane
Concen: 5.126 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007265.D
Acq: 30 Aug 2018 16:05

Tgt Ion: 129 Resp: 102258
Ion Ratio Lower Upper
129 100
127 74.5 52.1 96.9

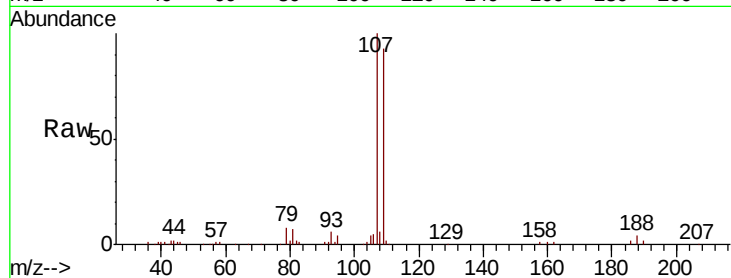




#50
1,2-Dibromoethane
Concen: 5.237 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007265.D
Acq: 30 Aug 2018 16:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.5	121.6
188	3.8	3.0	4.6

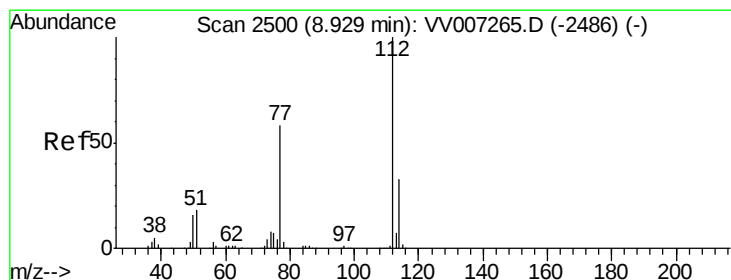
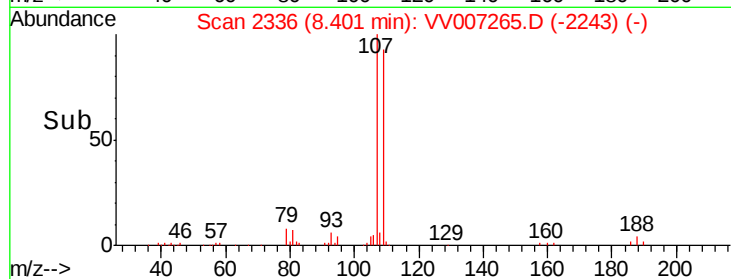
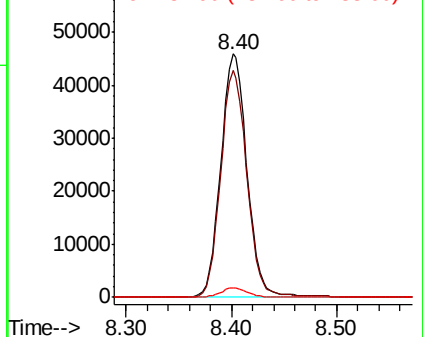


Abundance

Ion 106.95 (106.65 to 107.65): V

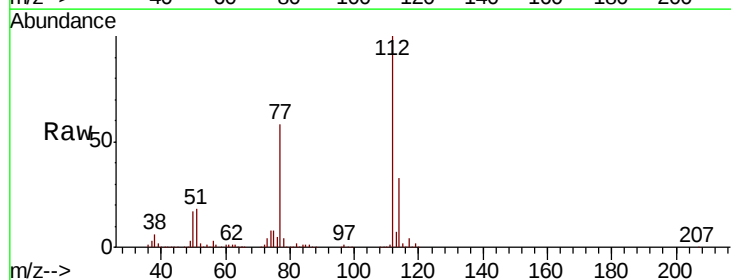
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 5.379 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007265.D
Acq: 30 Aug 2018 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.7	42.3
77	58.4	46.7	70.1

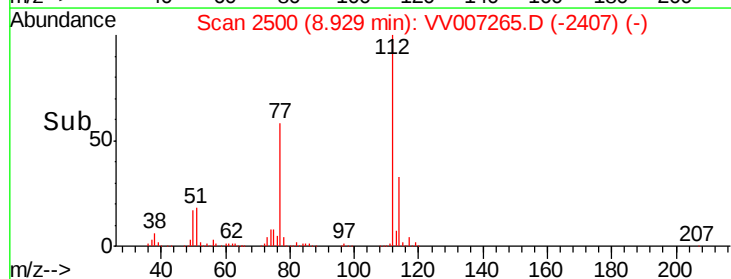
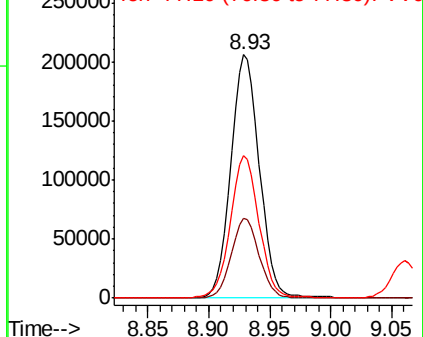


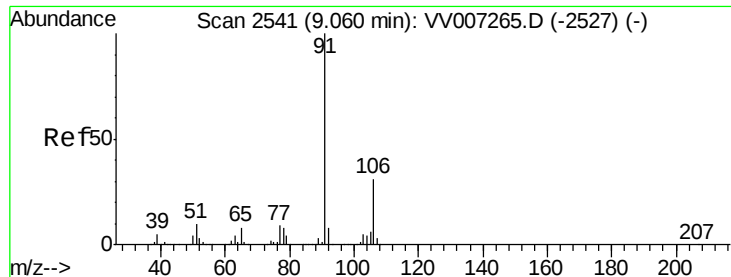
Abundance

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): VV0

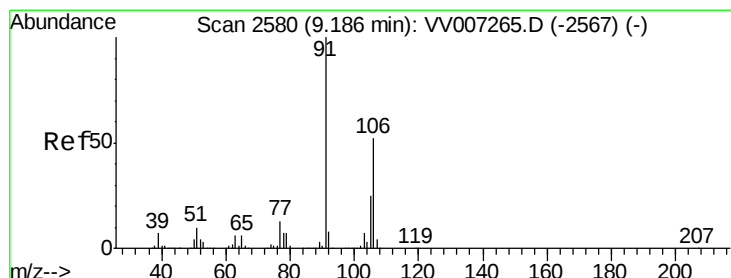
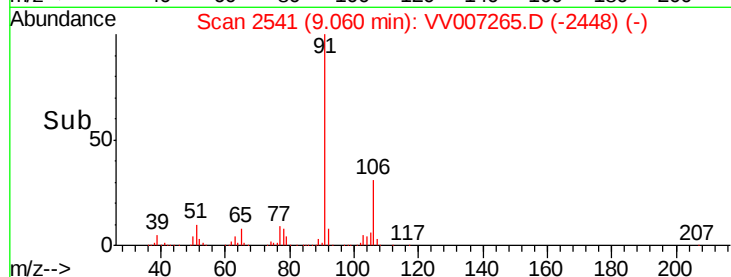
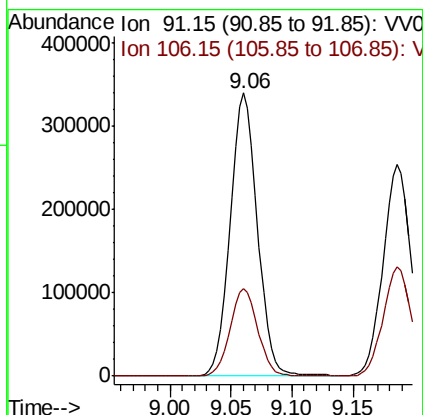
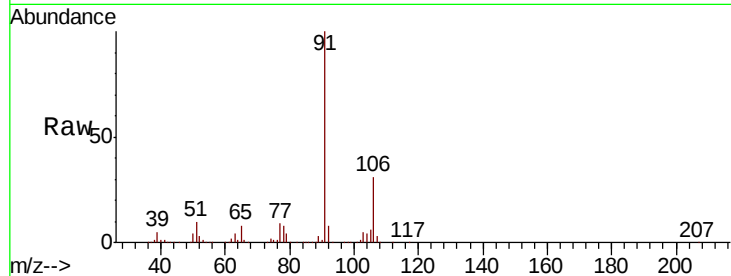




#52
Ethylbenzene
Concen: 5.639 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. 0.00 min
Lab File: VV007265.D
Acq: 30 Aug 2018 16:05

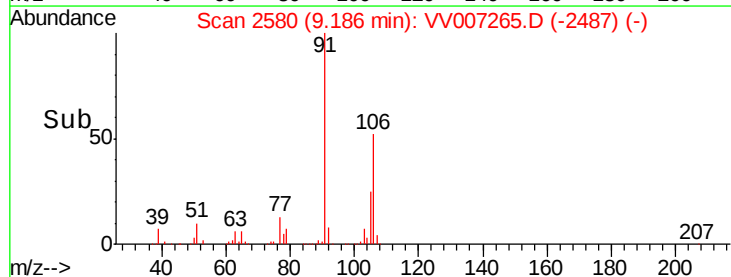
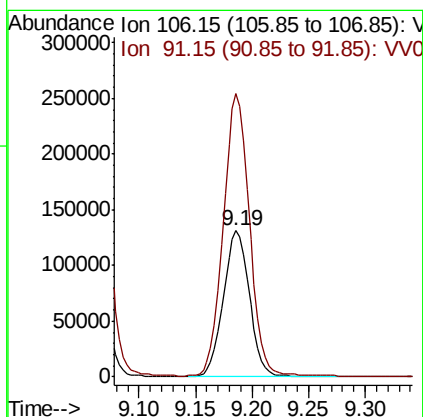
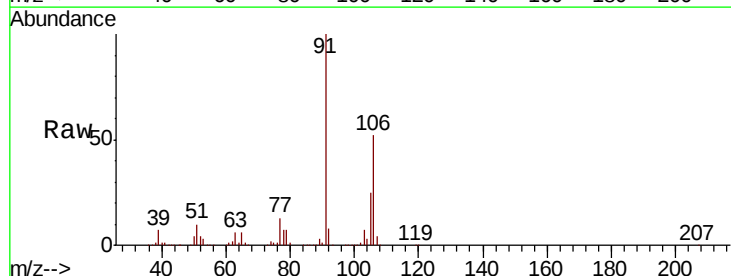
Instrument :
MSVOA_V
ClientSampleId :

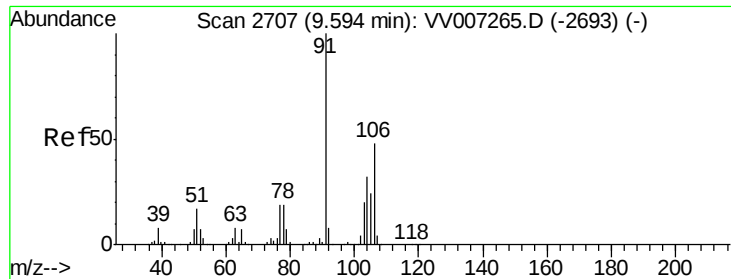
Tot Ion: 91 Resp: 528196
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#53
m,p-xylene
Concen: 5.853 ug/L
RT: 9.19 min Scan# 2580
Delta R.T. 0.00 min
Lab File: VV007265.D
Acq: 30 Aug 2018 16:05

Tgt Ion: 106 Resp: 210920
Ion Ratio Lower Upper
106 100
91 194.1 135.9 252.3





#54

o-xylene

Concen: 5.791 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Instrument :

MSVOA_V

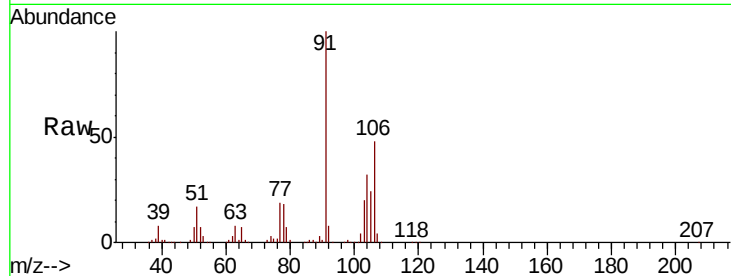
ClientSampleId :

Tot Ion:106 Resp: 193395

Ion Ratio Lower Upper

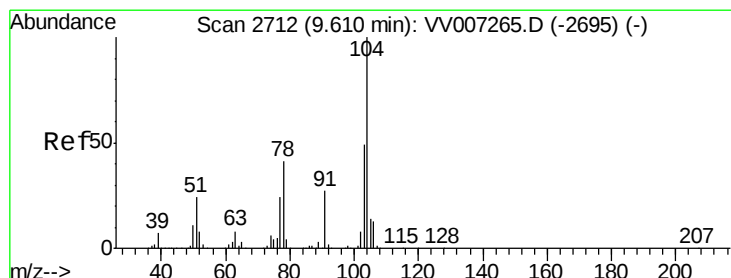
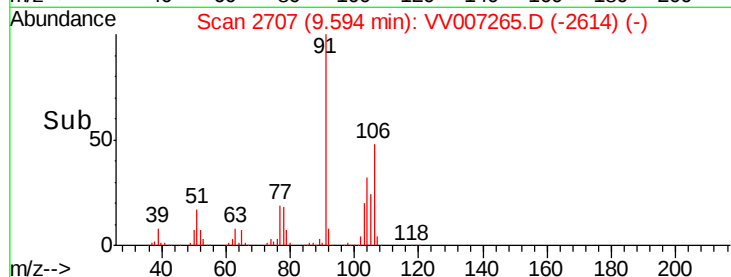
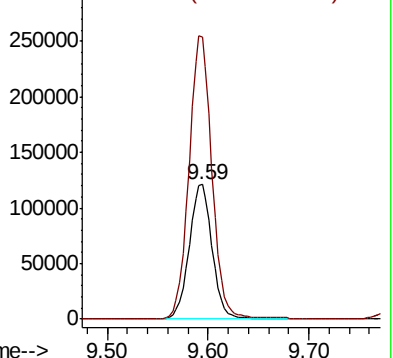
106 100

91 208.8 146.2 271.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 6.068 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007265.D

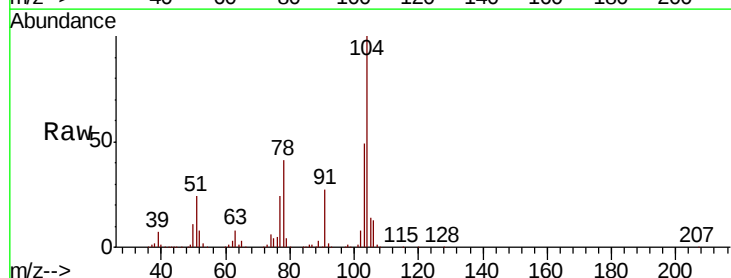
Acq: 30 Aug 2018 16:05

Tgt Ion:104 Resp: 356620

Ion Ratio Lower Upper

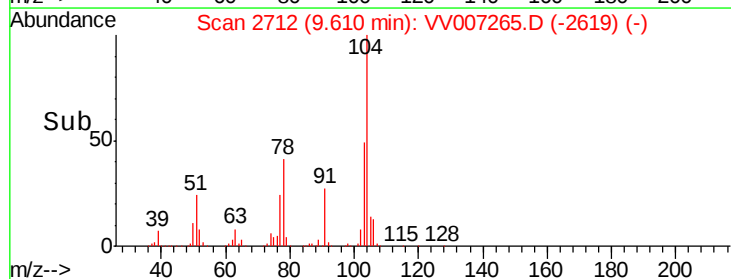
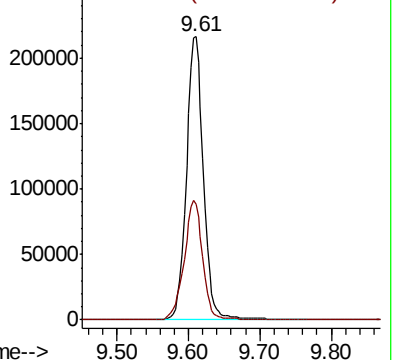
104 100

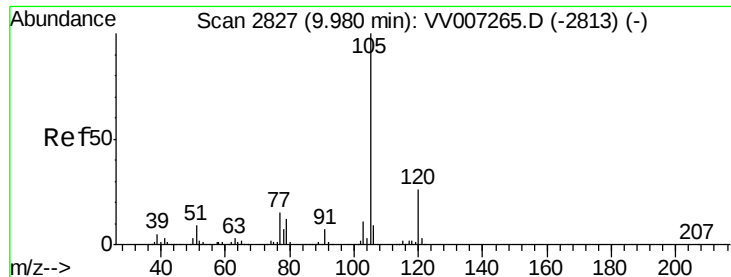
78 41.1 28.8 53.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.723 ug/L

RT: 9.98 min Scan# 2827

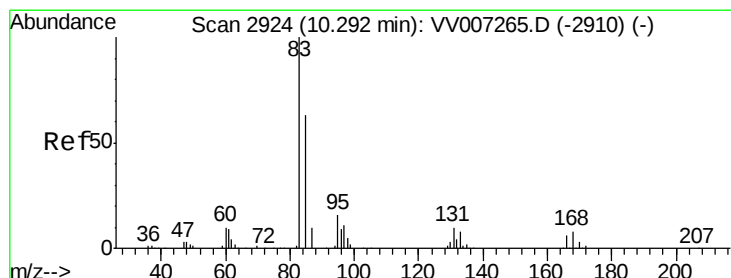
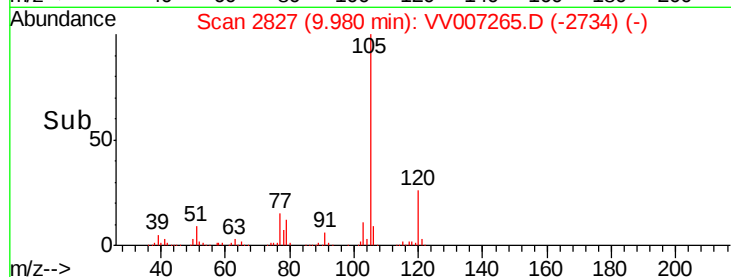
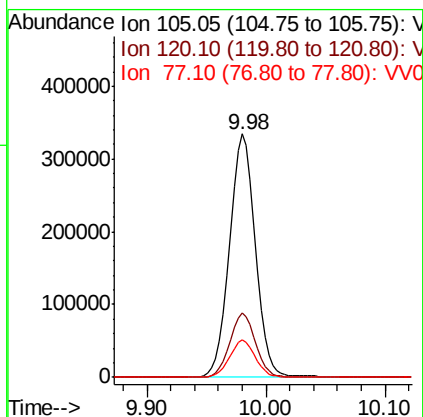
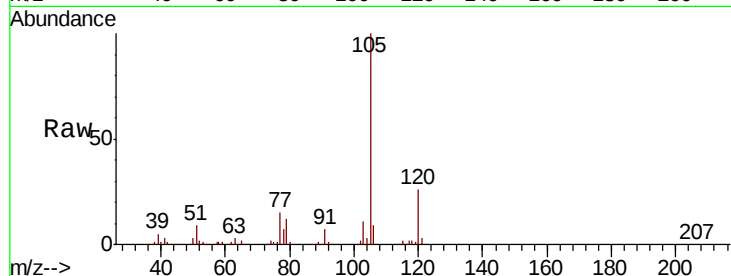
Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	503650
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.2	31.8
77	15.2	12.2	18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 5.136 ug/L

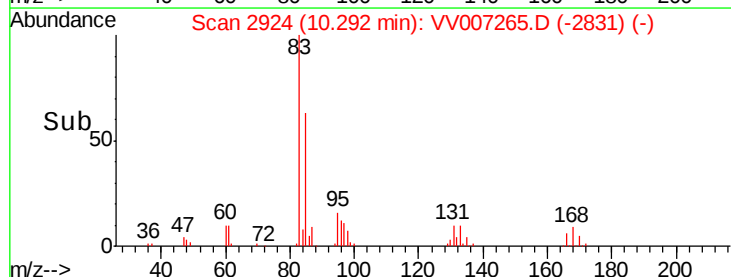
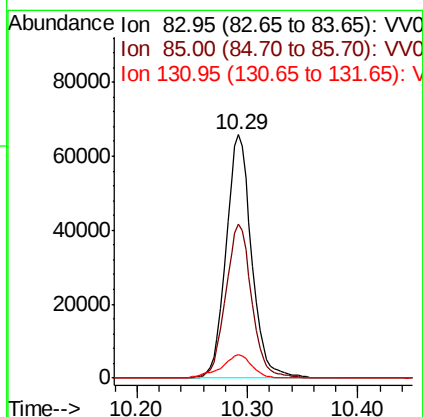
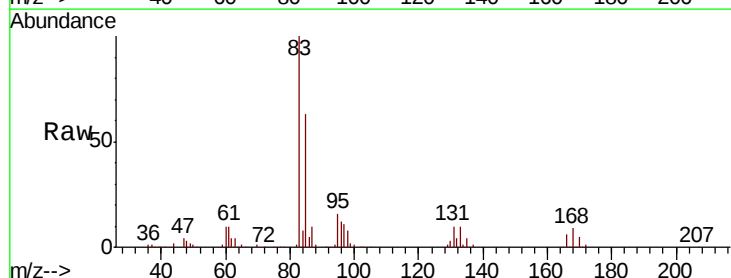
RT: 10.29 min Scan# 2924

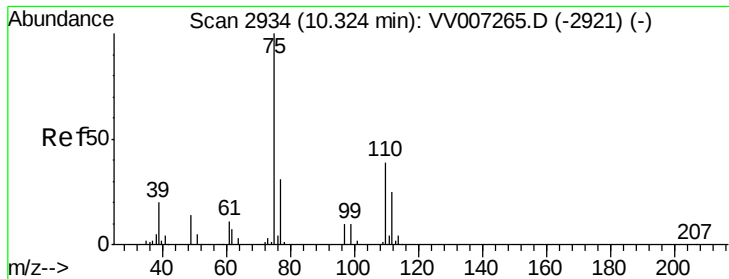
Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Tgt Ion:	83	Resp:	105634
Ion	Ratio	Lower	Upper
83	100		
85	63.0	44.1	81.9
131	9.8	7.8	11.8

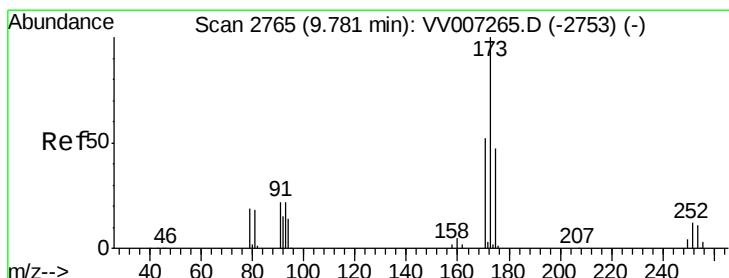
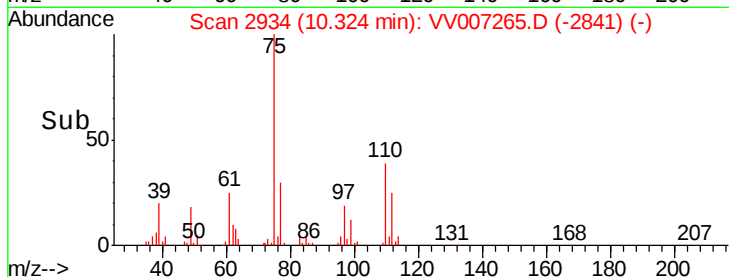
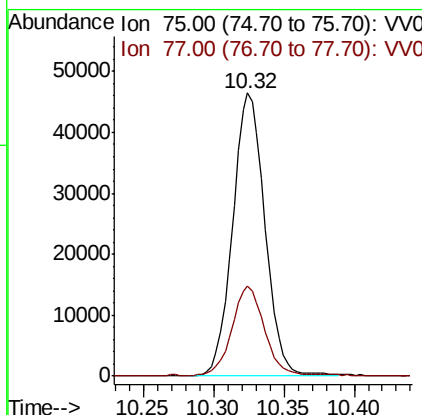
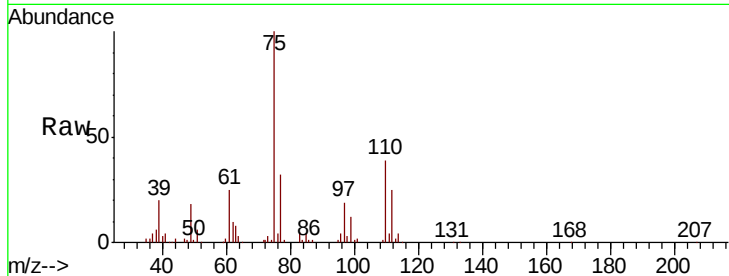




#59
 1,2,3-Trichloropropane
 Concen: 5.045 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

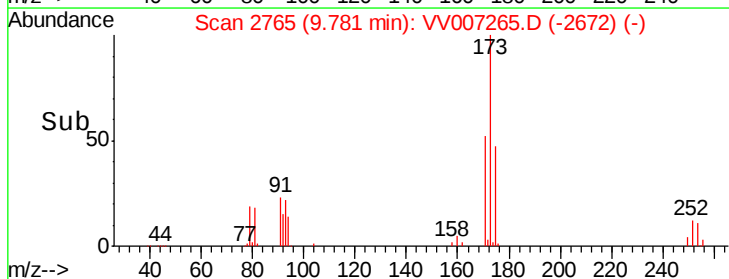
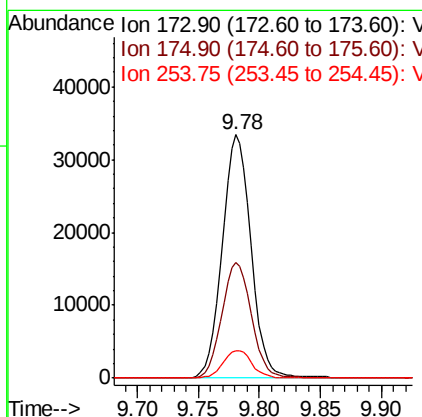
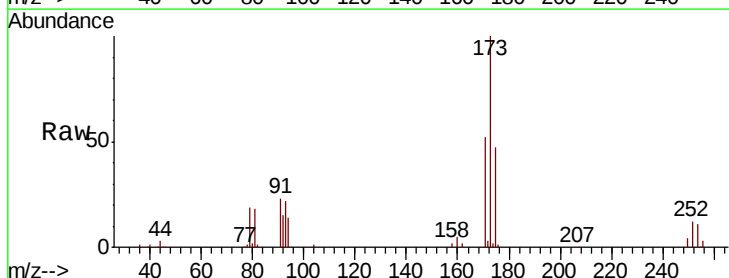
Instrument :
 MSVOA_V
 ClientSampleId :

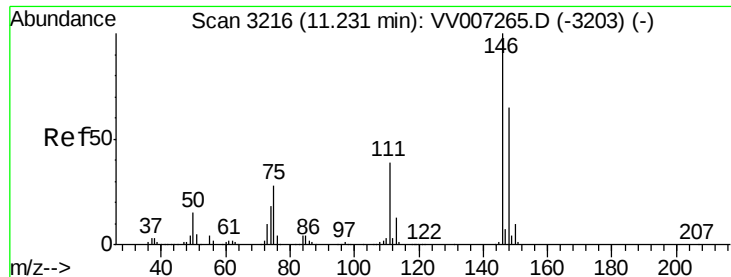
Tot Ion: 75 Resp: 74416
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.3 39.5



#61
 Bromoform
 Concen: 4.944 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Tgt Ion:173 Resp: 55410
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 11.3 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 5.151 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Instrument :

MSVOA_V

ClientSampled :

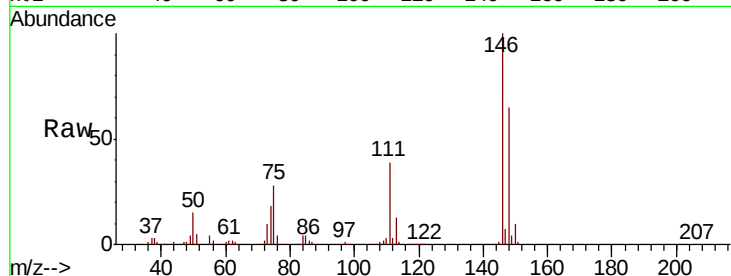
Tot Ion:146 Resp: 233816

Ion Ratio Lower Upper

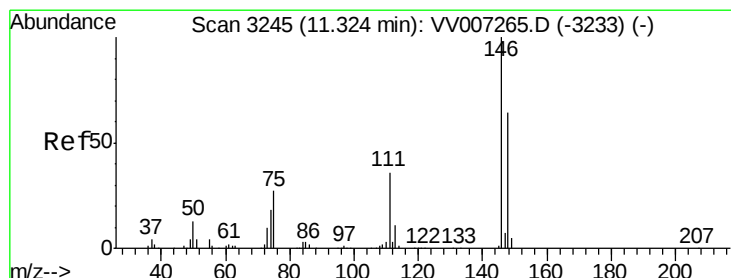
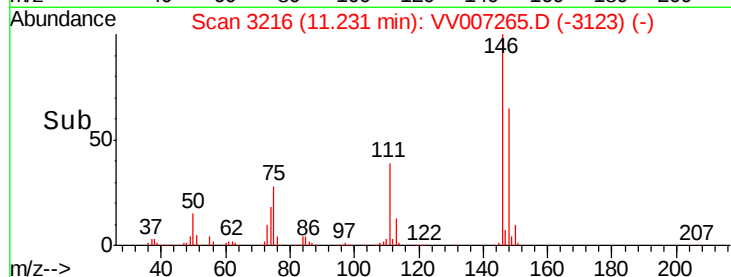
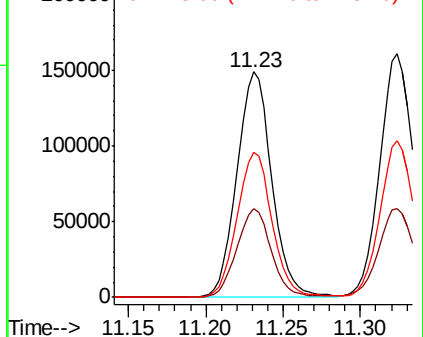
146 100

111 39.4 27.6 51.2

148 64.7 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: 5.223 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

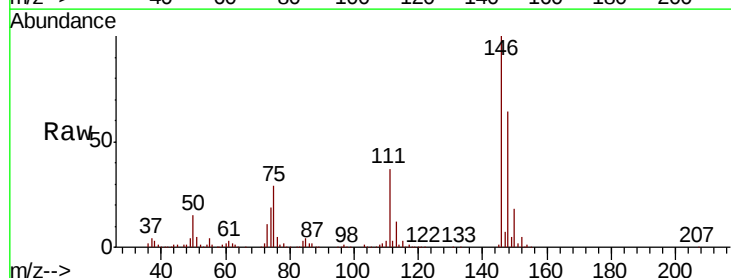
Tgt Ion:146 Resp: 251736

Ion Ratio Lower Upper

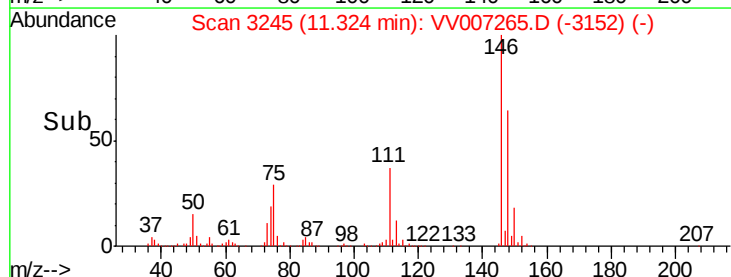
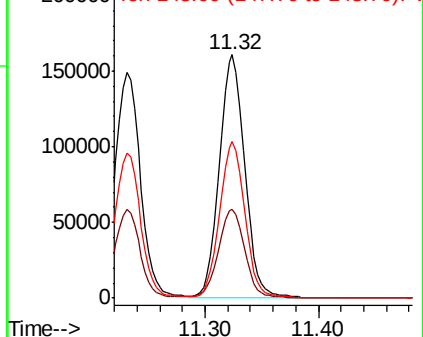
146 100

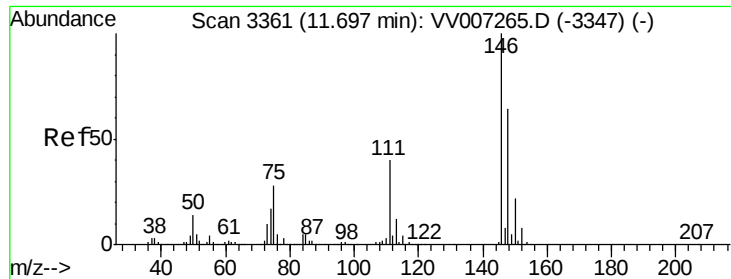
111 36.6 25.6 47.6

148 64.3 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: 5.298 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Instrument :

MSVOA_V

ClientSampleId :

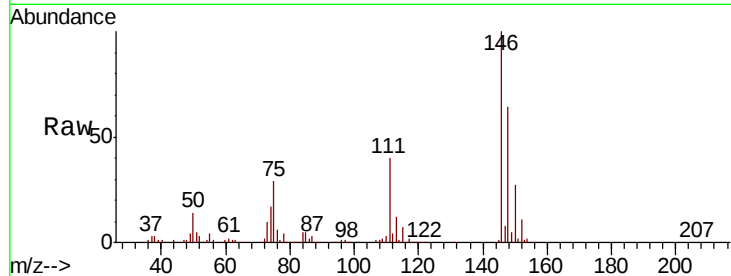
Tot Ion:146 Resp: 241576

Ion Ratio Lower Upper

146 100

111 40.1 32.1 48.1

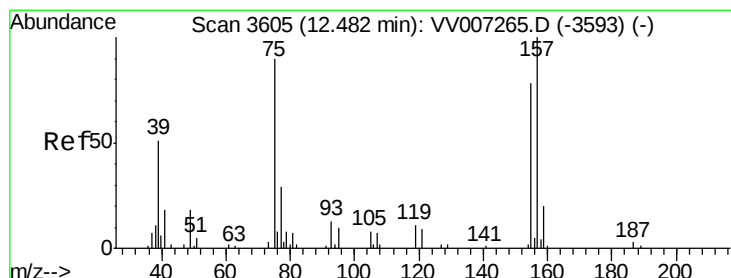
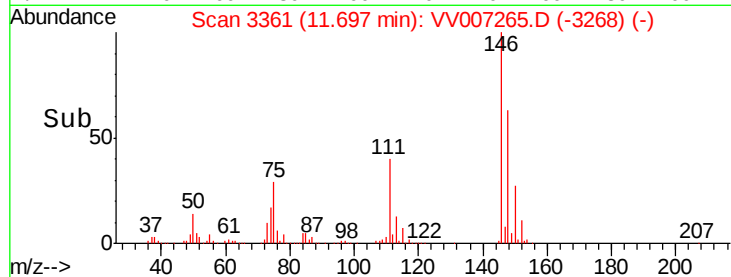
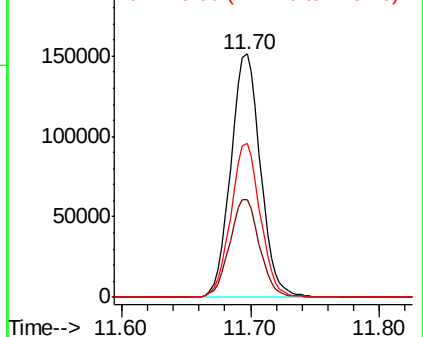
148 63.5 50.8 76.2



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: 5.452 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

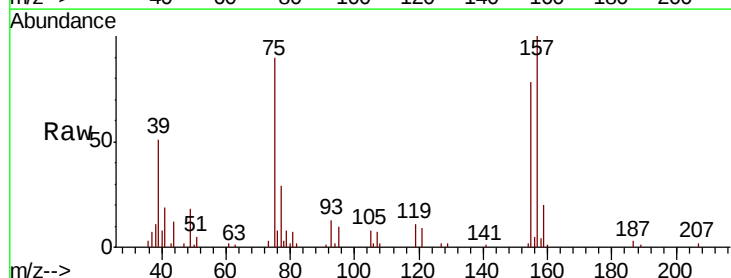
Tgt Ion: 75 Resp: 14882

Ion Ratio Lower Upper

75 100

155 86.9 69.5 104.3

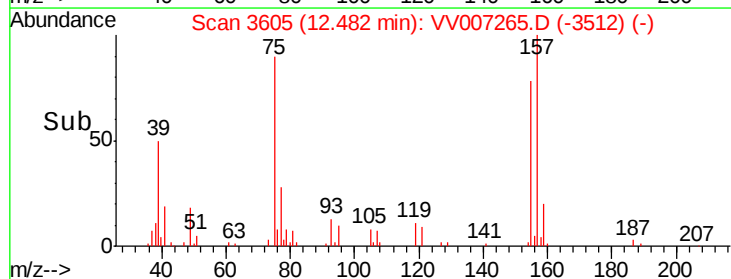
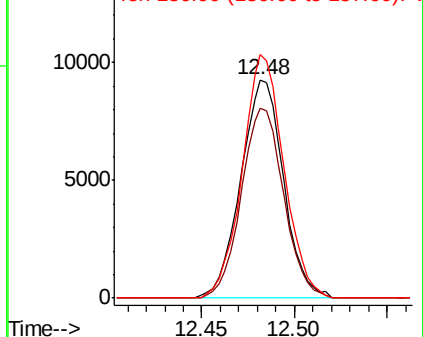
157 111.4 89.1 133.7

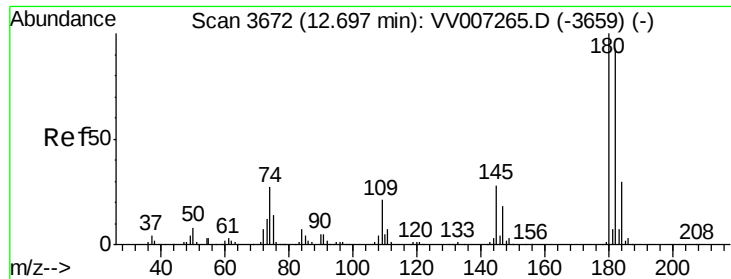


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

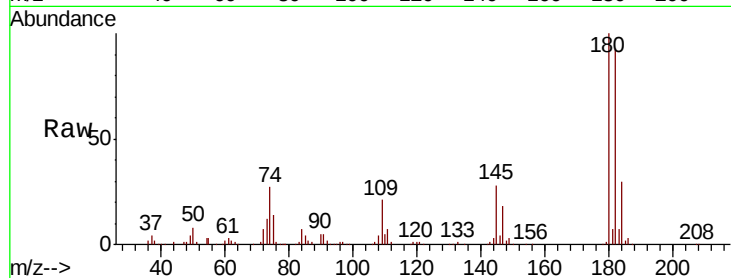




#67
 1,3,5-Trichlorobenzene
 Concen: 5.635 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	191465
Ion Ratio	Lower	Upper
180	100	
182	94.0	75.2 112.8
184	29.7	23.8 35.6
145	27.8	22.2 33.4



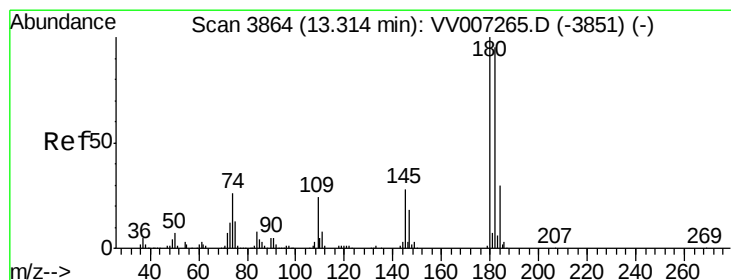
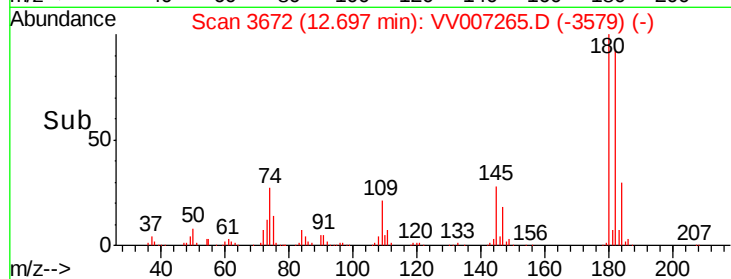
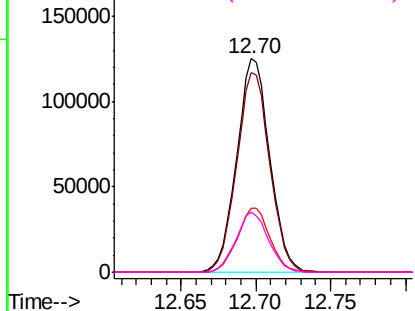
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

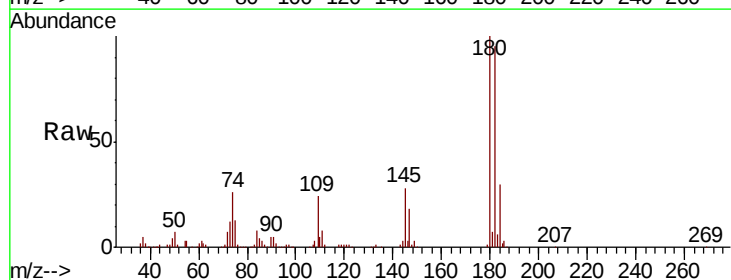
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 6.147 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007265.D
 Acq: 30 Aug 2018 16:05

Tgt Ion:180	Resp:	143881
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.3 114.5
145	28.0	22.4 33.6

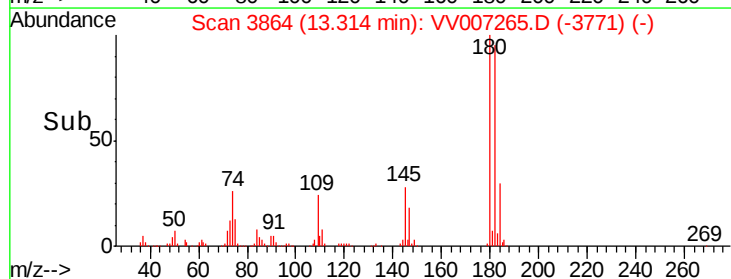
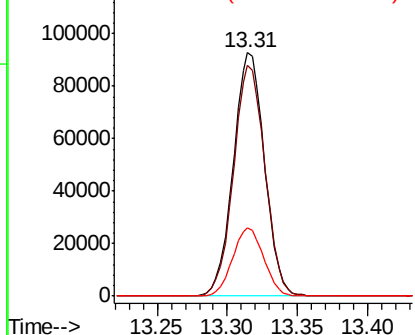


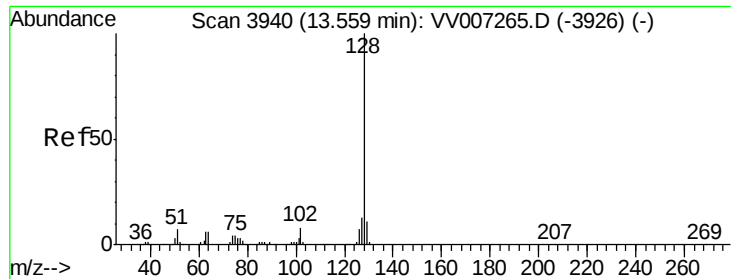
Abundance

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: 6.664 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

Instrument :

MSVOA_V

ClientSampleId :

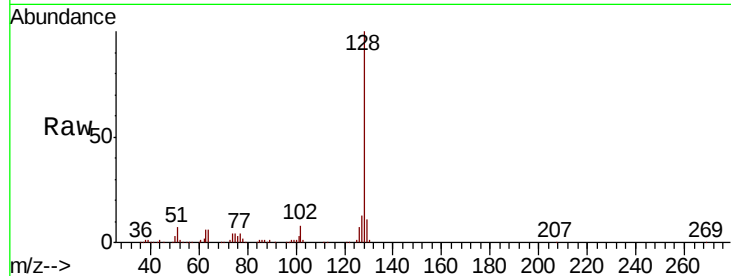
Tot Ion:128 Resp: 205281

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

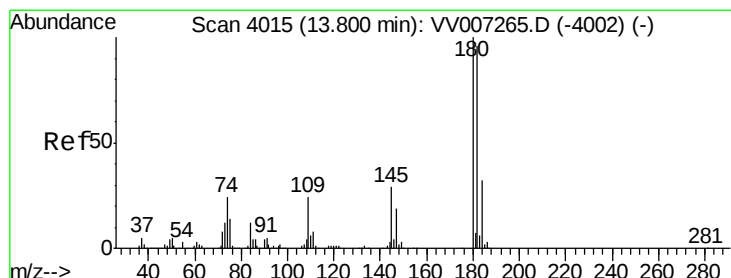
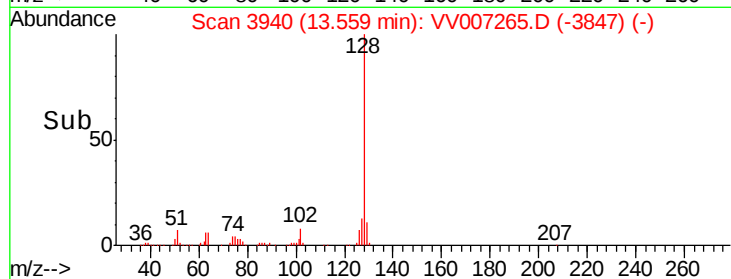
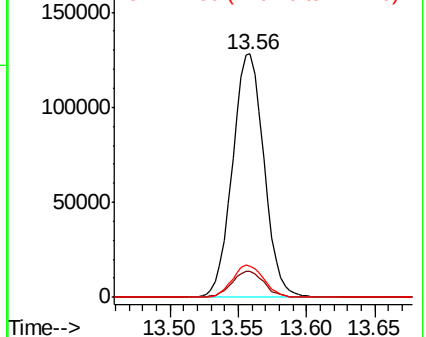
127 13.3 10.6 16.0



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: 6.020 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007265.D

Acq: 30 Aug 2018 16:05

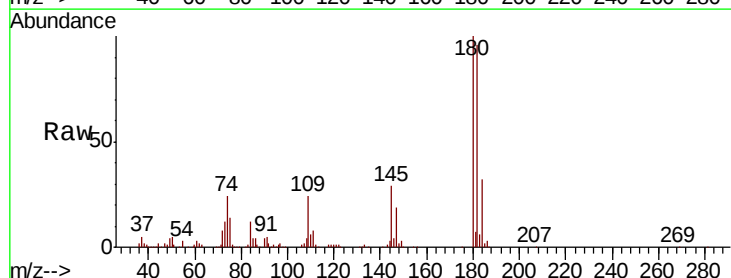
Tgt Ion:180 Resp: 137731

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 31.0 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

