

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072718\
 Data File : VV006753.D
 Acq On : 28 Jul 2018 04:05
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 05:02:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 28 03:46:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	243506	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	225161	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	100957	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64680	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.57	69	51272	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.13	63	119125	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	3.95	46	188758	47.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.34%
24) Chloroform-d	4.41	84	121155	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.09	65	59752	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.10	84	237187	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.12	67	78473	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.36	98	210244	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	7.67	79	24379	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.14	63	160313	49.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.26%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	62716	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	74010	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	81172	3.704	ug/L # 84
3) Chloromethane	1.25	50	98775	5.309	ug/L 97
5) Vinyl chloride	1.32	62	105144	4.512	ug/L 97
6) Bromomethane	1.52	94	28950	5.076	ug/L 97
8) Chloroethane	1.59	64	62295	4.885	ug/L 99
9) Trichlorofluoromethane	1.77	101	111426	4.168	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	60932	3.741	ug/L 99
12) 1,1-Dichloroethene	2.14	96	70026	4.390	ug/L 96
13) Acetone	2.19	43	130580	51.829	ug/L 99
14) Carbon disulfide	2.32	76	214059	3.991	ug/L 99
15) Methyl Acetate	2.46	43	38894	5.208	ug/L 98
16) Methylene chloride	2.54	84	84571	4.625	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	195266	4.990	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	80226	4.630	ug/L 99
19) 1,1-Dichloroethane	3.23	63	155115	4.867	ug/L 99
21) 2-Butanone	4.04	43	218601	51.802	ug/L 100
22) cis-1,2-Dichloroethene	3.97	96	85782	4.748	ug/L 96

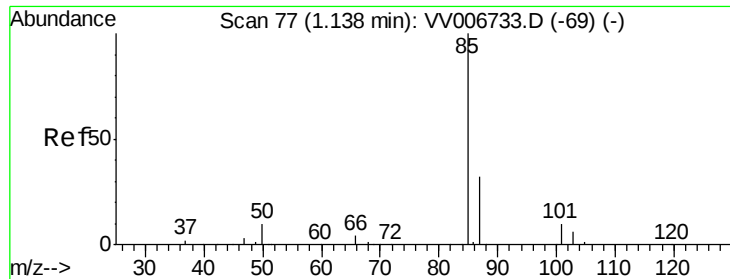
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072718\
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 QLast Update : Sat Jul 28 03:46:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	36423	4.899	ug/L	97
25) Chloroform	4.43	83	145964	4.880	ug/L	98
27) 1,2-Dichloroethane	5.19	62	86503	4.930	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	112160	4.630	ug/L	100
30) Cyclohexane	4.73	56	90988	3.355	ug/L	100
31) Carbon tetrachloride	4.88	117	88384	4.269	ug/L	100
33) Benzene	5.15	78	327509	4.838	ug/L	100
34) Trichloroethene	5.96	95	77675	4.546	ug/L	99
35) Methylcyclohexane	6.18	83	89262	3.127	ug/L	99
37) 1,2-Dichloropropane	6.23	63	86183	4.960	ug/L	99
38) Bromodichloromethane	6.56	83	92921	4.787	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	102317	4.520	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	508040	53.186	ug/L	99
42) Toluene	7.44	91	326374	4.682	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	81031	4.553	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	58632	5.010	ug/L	98
47) Tetrachloroethene	8.02	164	55779	4.110	ug/L	99
48) 2-Hexanone	8.19	43	364501	54.688	ug/L	99
49) Dibromochloromethane	8.30	129	60114	4.854	ug/L	100
50) 1,2-Dibromoethane	8.40	107	52601	5.029	ug/L	97
51) Chlorobenzene	8.93	112	206644	4.558	ug/L	99
52) Ethylbenzene	9.06	91	321713	4.330	ug/L	100
53) m,p-xylene	9.19	106	123298	4.396	ug/L	99
54) o-xylene	9.59	106	124159	4.544	ug/L	99
55) Styrene	9.61	104	217025	4.709	ug/L	96
56) Isopropylbenzene	9.98	105	295393	4.163	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	71193	4.973	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	52571	5.140	ug/L	100
61) Bromoform	9.78	173	30677	4.999	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	140630	4.506	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	147052	4.623	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	146342	4.814	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	9293	5.108	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	104216	4.374	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	85704	4.528	ug/L	98
69) Naphthalene	13.56	128	155159	4.790	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	84710	4.729	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 3.704 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

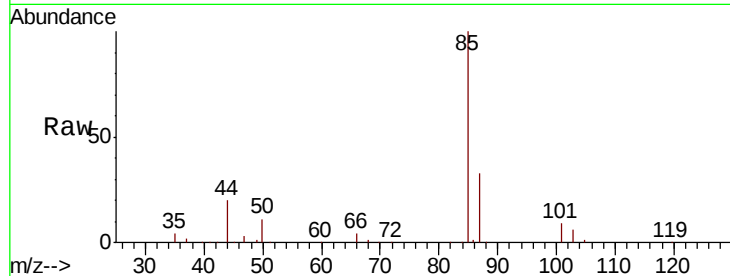
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 81172

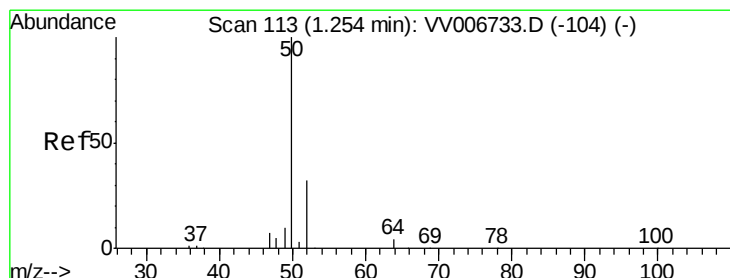
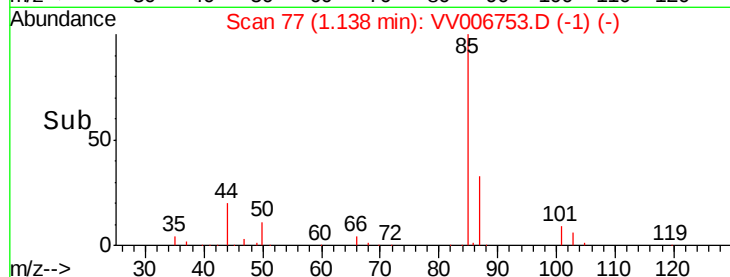
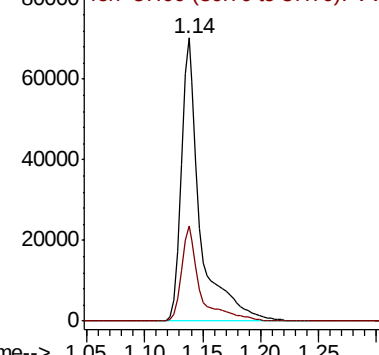
Ion Ratio Lower Upper

85 100

87 32.9 19.9 29.9#



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.309 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV006753.D

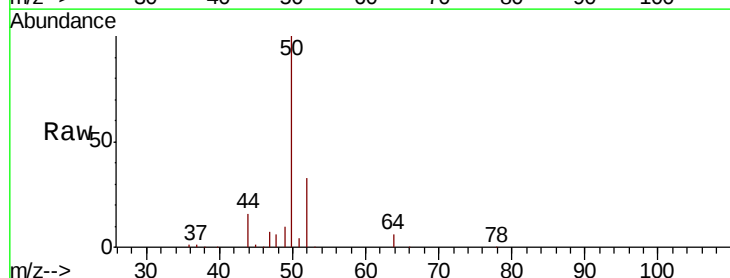
Acq: 28 Jul 2018 04:05

Tgt Ion: 50 Resp: 98775

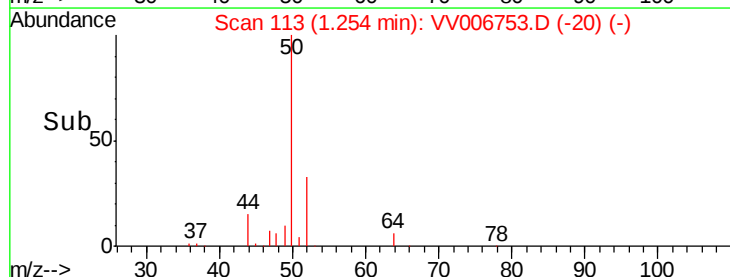
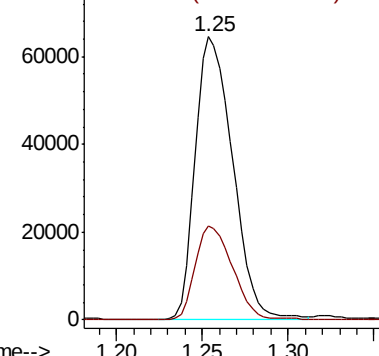
Ion Ratio Lower Upper

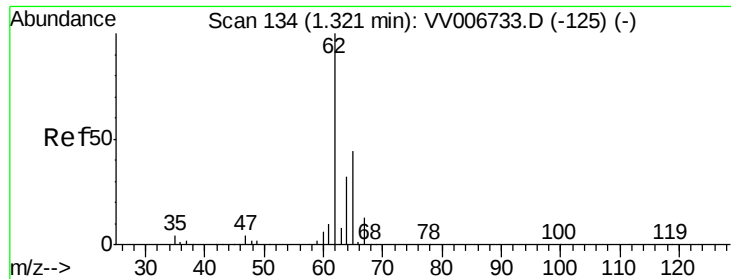
50 100

52 33.3 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.512 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

Instrument :

MSVOA_V

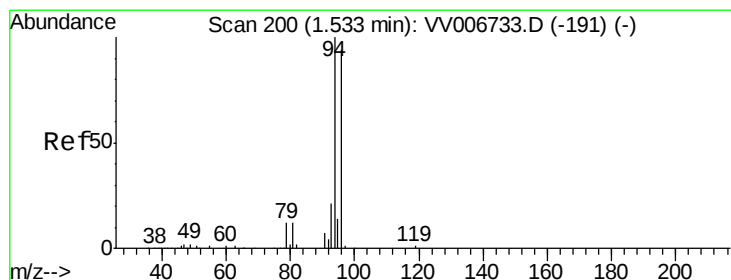
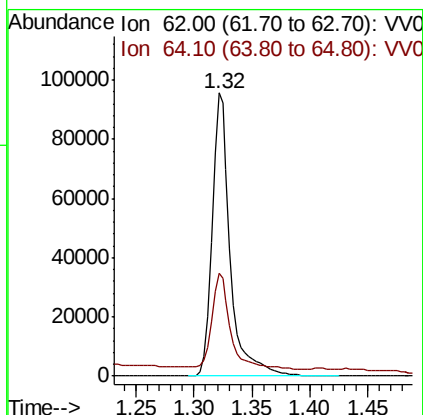
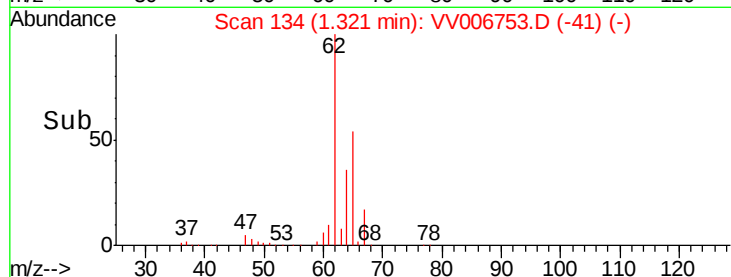
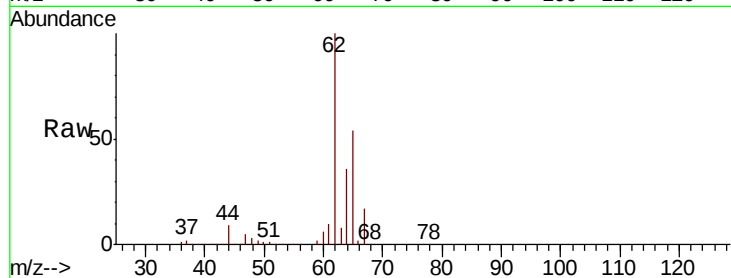
ClientSampleId :

Tot Ion: 62 Resp: 105144

Ion Ratio Lower Upper

62 100

64 36.4 26.5 49.3



#6

Bromomethane

Concen: 5.076 ug/L

RT: 1.52 min Scan# 196

Delta R.T. -0.01 min

Lab File: VV006753.D

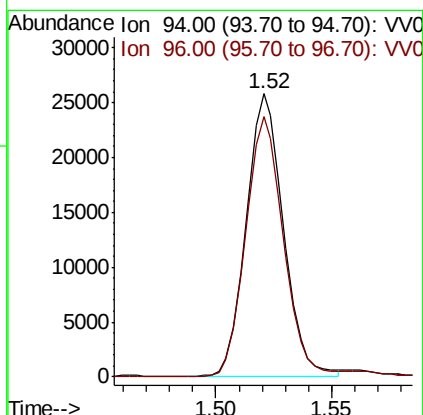
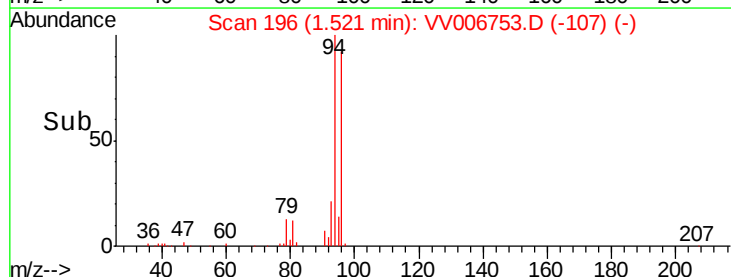
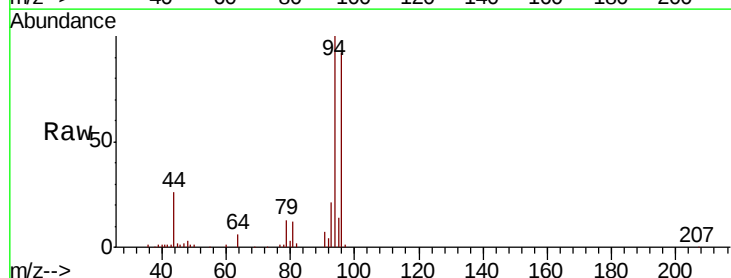
Acq: 28 Jul 2018 04:05

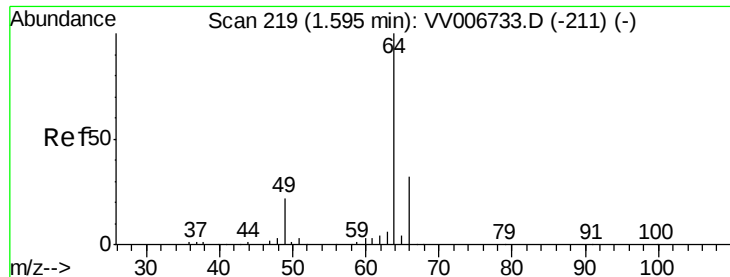
Tgt Ion: 94 Resp: 28950

Ion Ratio Lower Upper

94 100

96 91.9 66.4 123.4





#8

Chloroethane

Concen: 4.885 ug/L

RT: 1.59 min Scan# 218

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

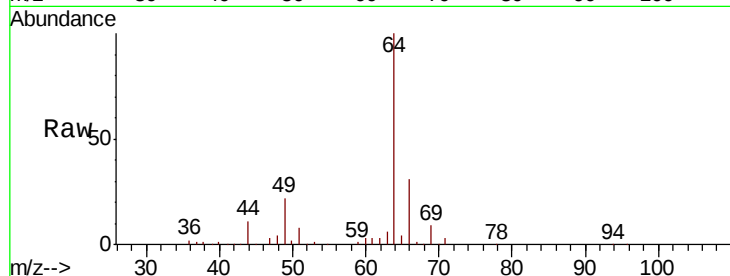
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 62295

Ion Ratio Lower Upper

64 100

66 30.7 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.59

60000

50000

40000

30000

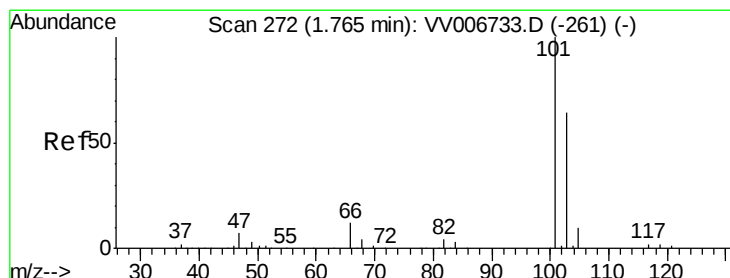
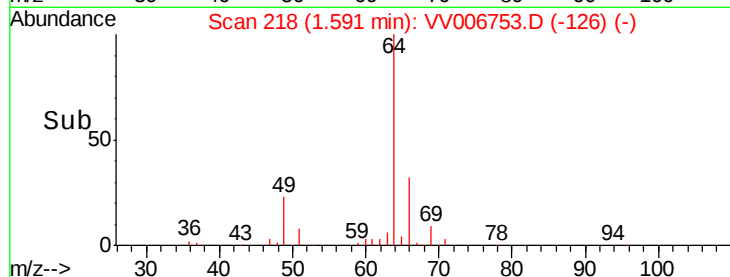
20000

10000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 4.168 ug/L

RT: 1.77 min Scan# 273

Delta R.T. 0.00 min

Lab File: VV006753.D

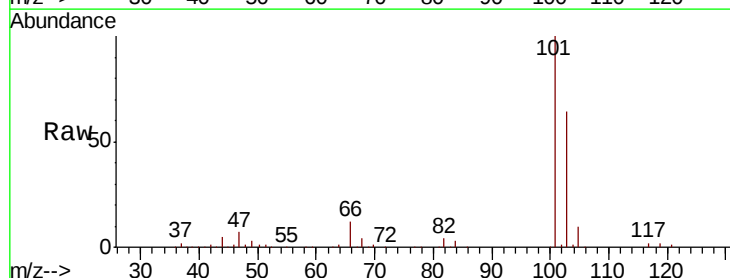
Acq: 28 Jul 2018 04:05

Tgt Ion:101 Resp: 111426

Ion Ratio Lower Upper

101 100

103 65.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.77

100000

80000

60000

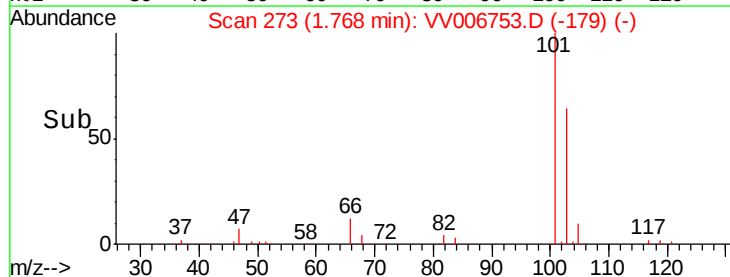
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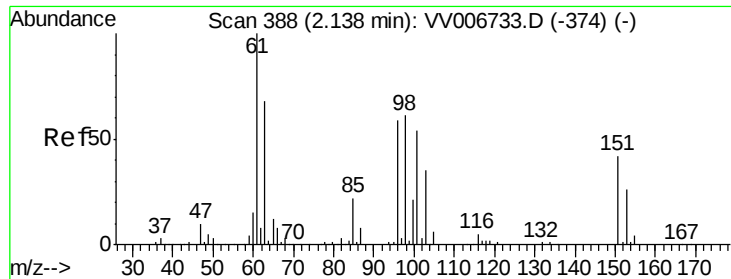
20000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 3.741 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

Instrument :

MSVOA_V

ClientSampled :

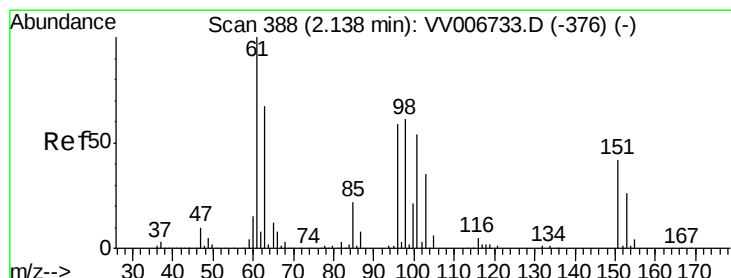
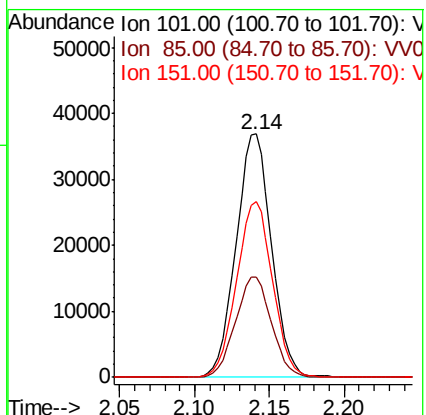
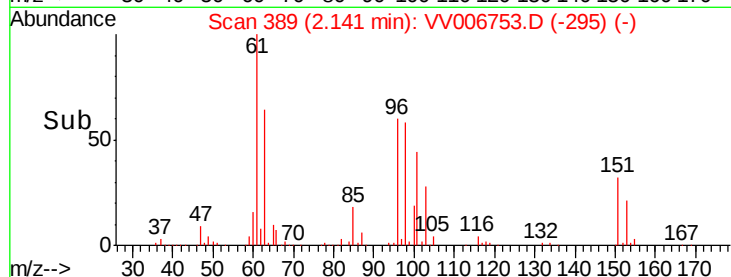
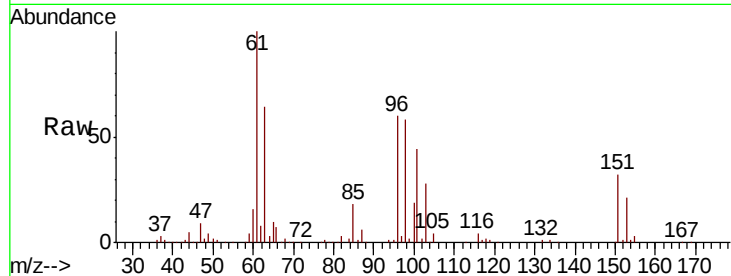
Tot Ion:101 Resp: 60932

Ion Ratio Lower Upper

101 100

85 41.6 33.1 49.7

151 73.1 59.7 89.5



#12

1,1-Dichloroethene

Concen: 4.390 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

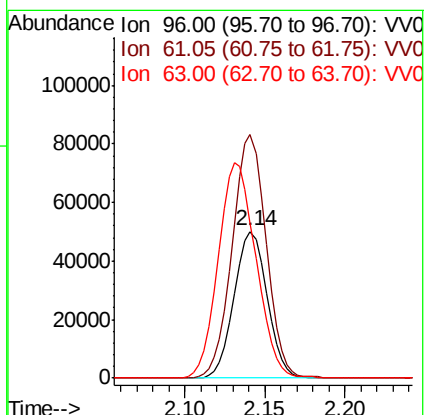
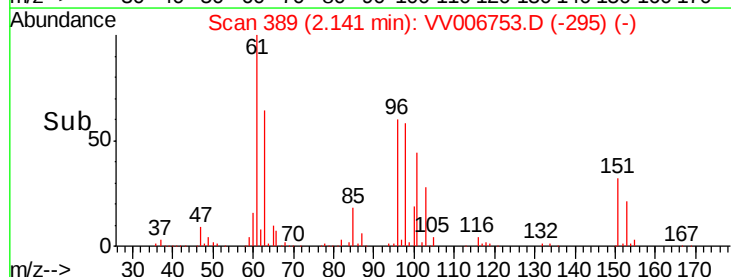
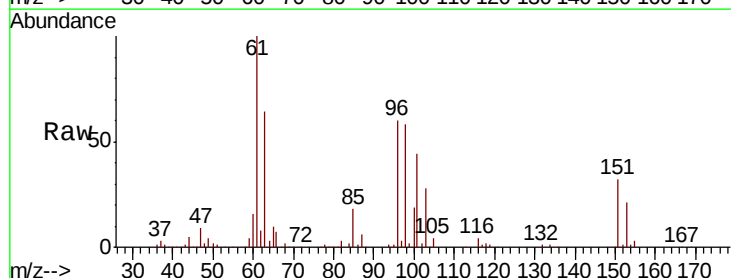
Tgt Ion: 96 Resp: 70026

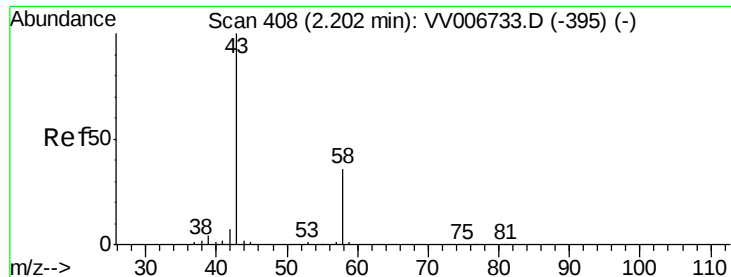
Ion Ratio Lower Upper

96 100

61 166.3 113.5 210.9

63 106.0 69.5 129.1





#13

Acetone

Concen: 51.829 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.01 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

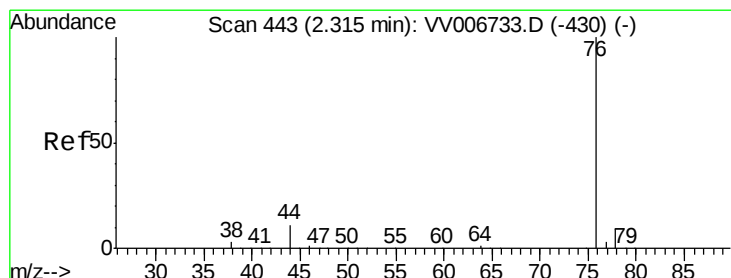
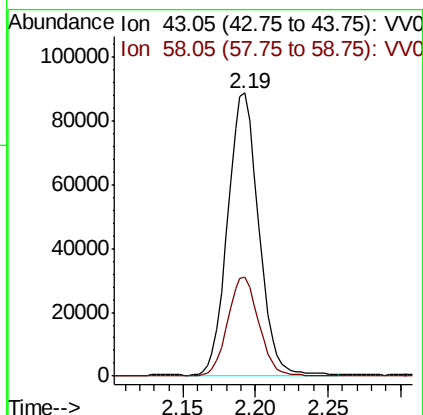
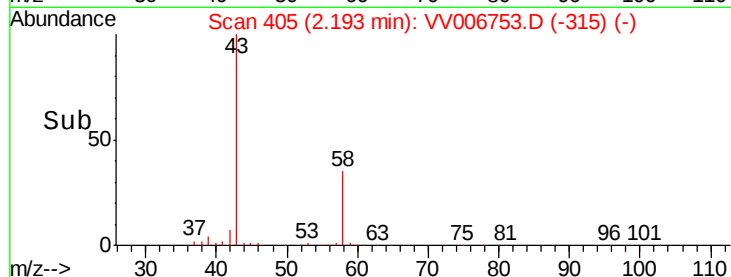
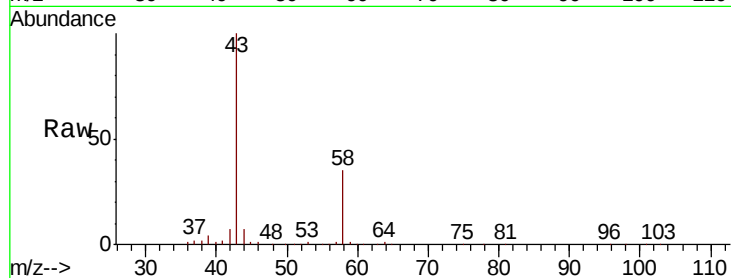
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 130580

Ion Ratio Lower Upper

43 100

58 35.4 0.0 71.4



#14

Carbon disulfide

Concen: 3.991 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006753.D

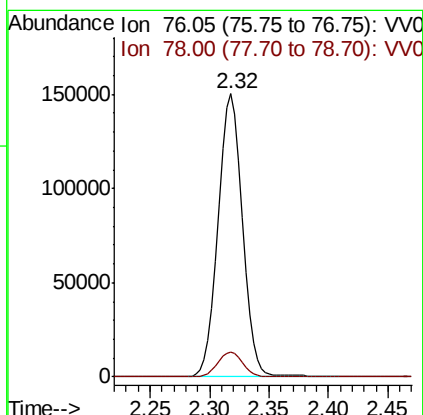
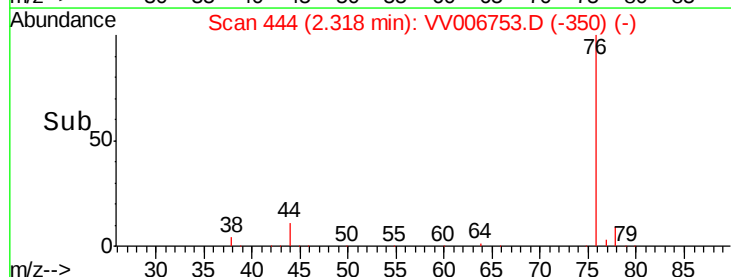
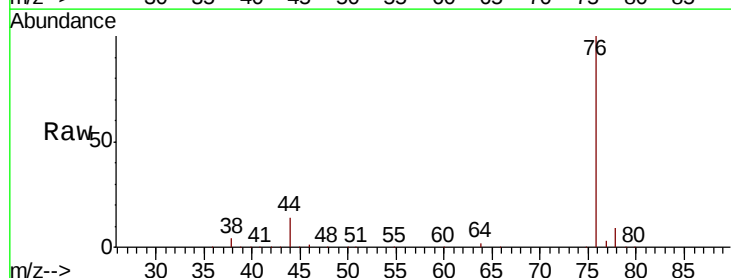
Acq: 28 Jul 2018 04:05

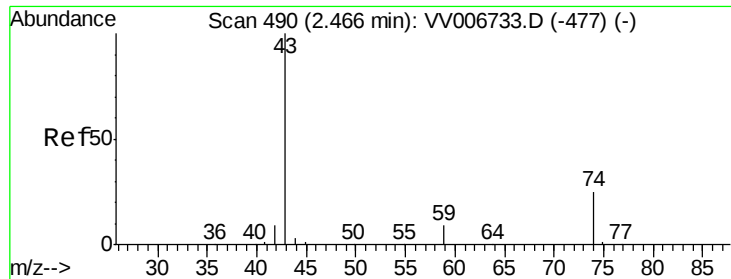
Tgt Ion: 76 Resp: 214059

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

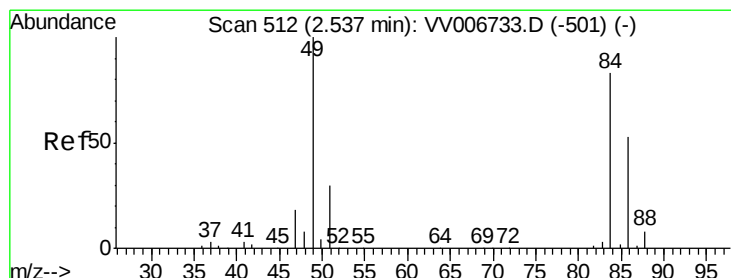
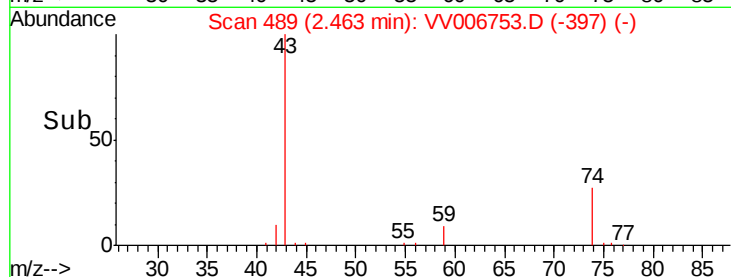
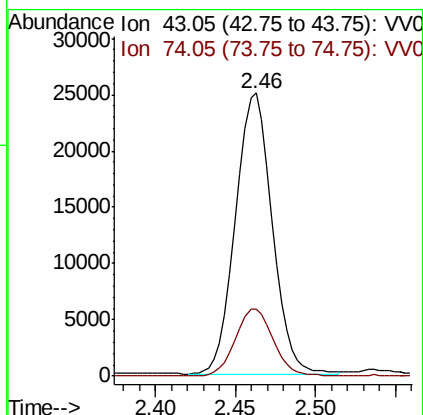
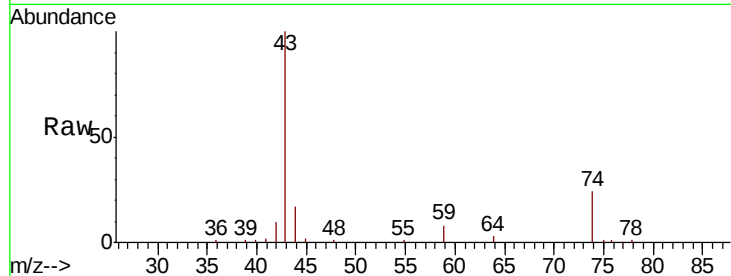




#15
Methvl Acetate
Concen: 5.208 ug/L
RT: 2.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

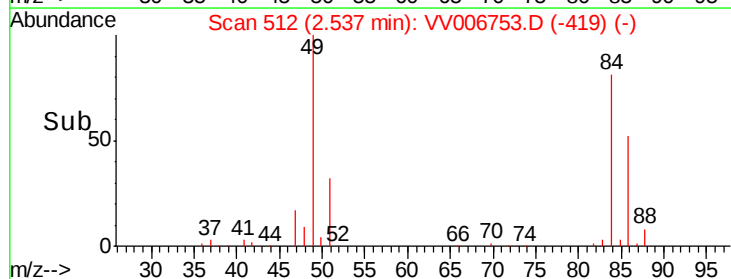
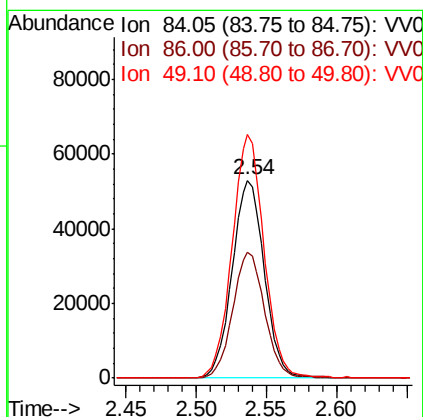
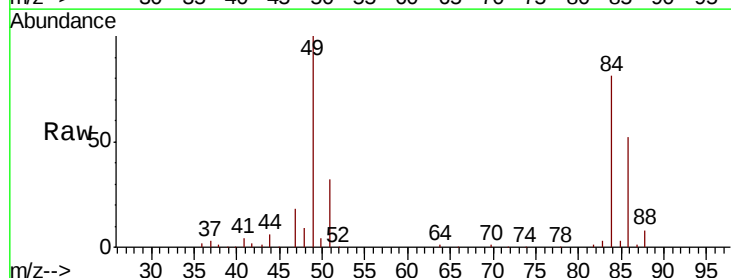
Instrument :
MSVOA_V
ClientSampled :

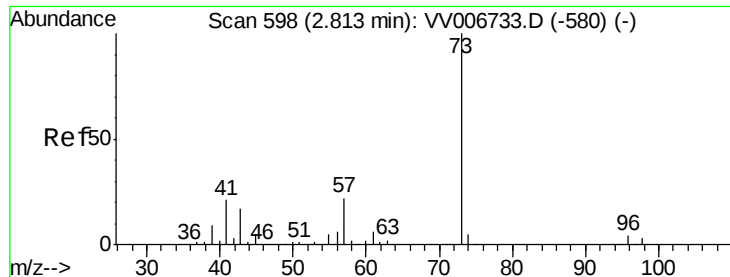
Tot Ion: 43 Resp: 38894
Ion Ratio Lower Upper
43 100
74 24.6 20.6 31.0



#16
Methylene chloride
Concen: 4.625 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

Tgt Ion: 84 Resp: 84571
Ion Ratio Lower Upper
84 100
86 63.8 44.7 83.1
49 123.1 86.7 160.9

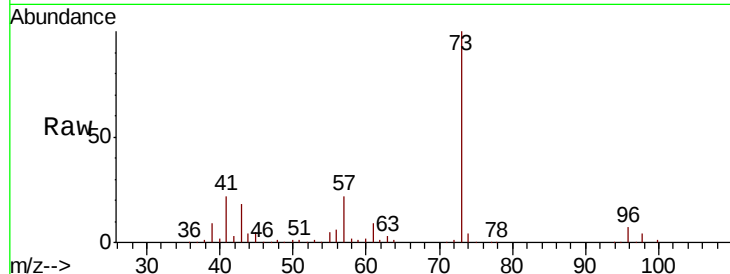




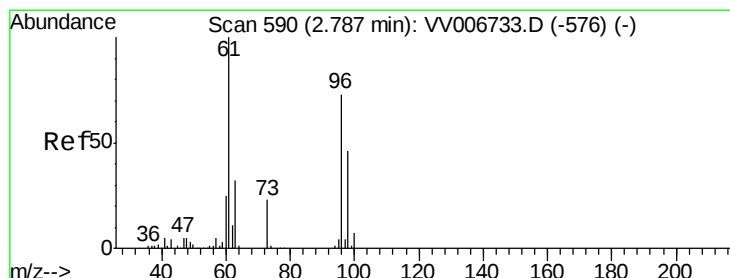
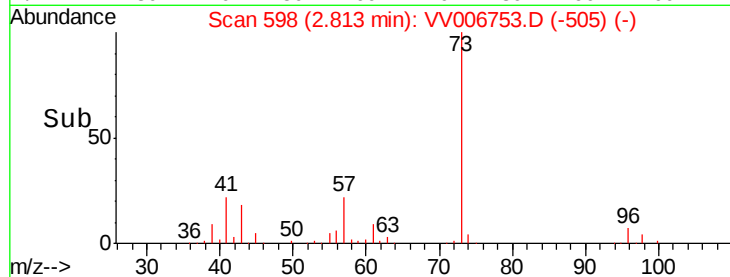
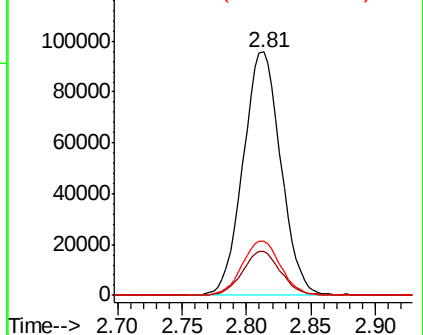
#17
Methvl tert-butvl Ether
Concen: 4.990 ug/L
RT: 2.81 min Scan# 598
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 195266
Ion Ratio Lower Upper
73 100
43 17.8 14.2 21.4
57 22.7 18.2 27.2

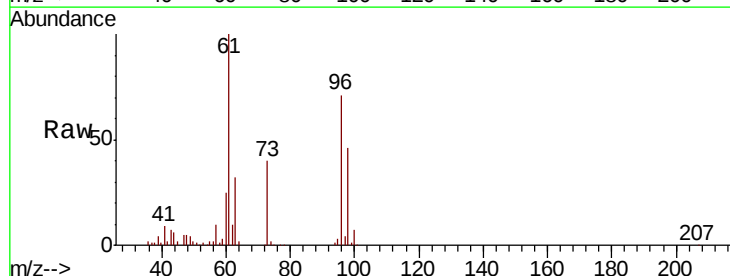


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

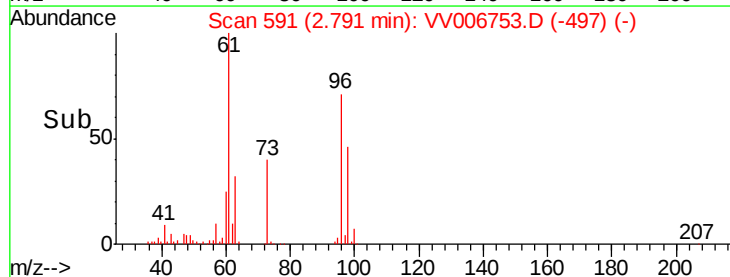
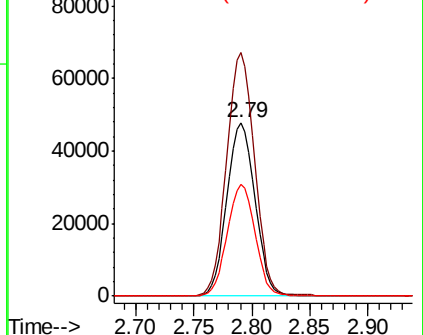


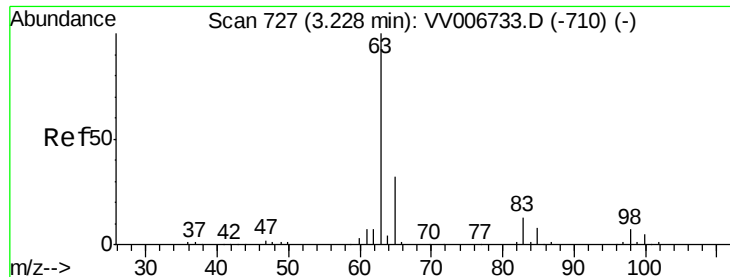
#18
trans-1,2-Dichloroethene
Concen: 4.630 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

Tgt Ion: 96 Resp: 80226
Ion Ratio Lower Upper
96 100
61 140.3 98.5 182.9
98 64.2 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

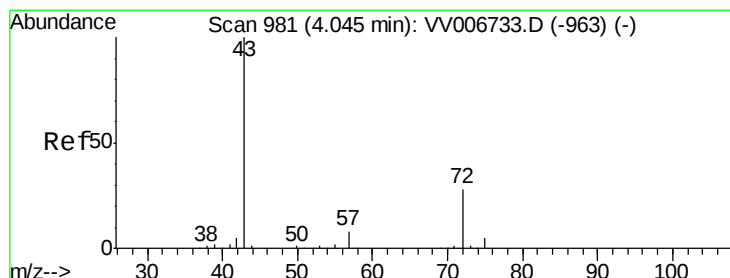
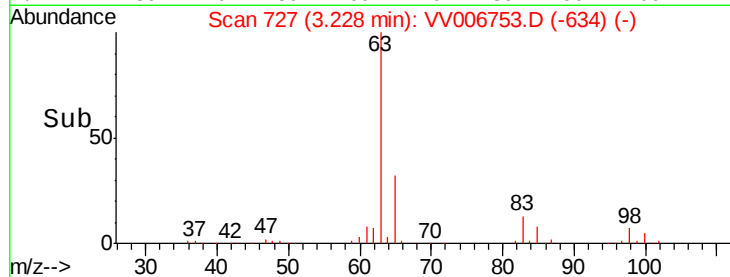
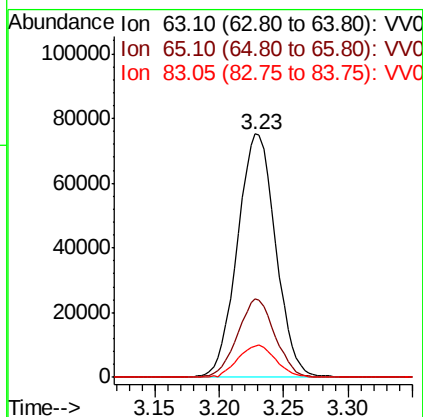
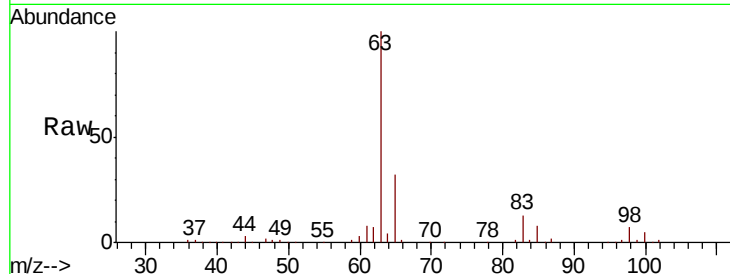




#19
 1,1-Dichloroethane
 Concen: 4.867 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

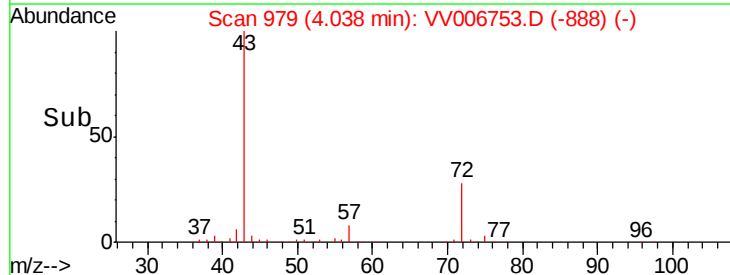
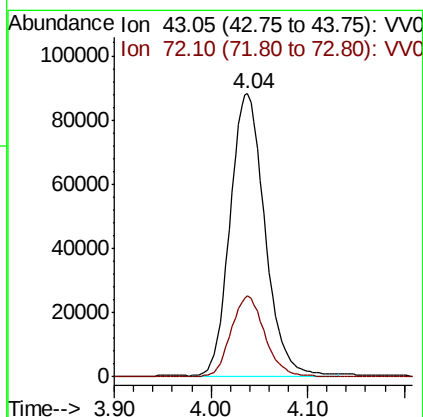
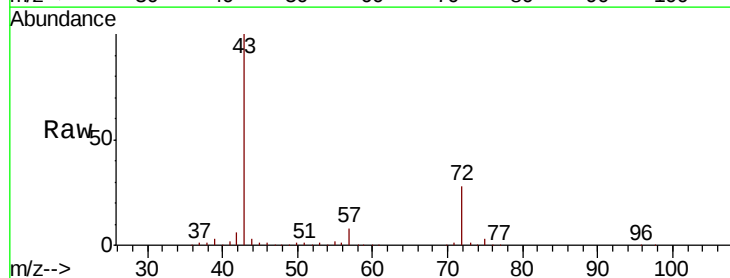
Instrument :
 MSVOA_V
 ClientSampleId :

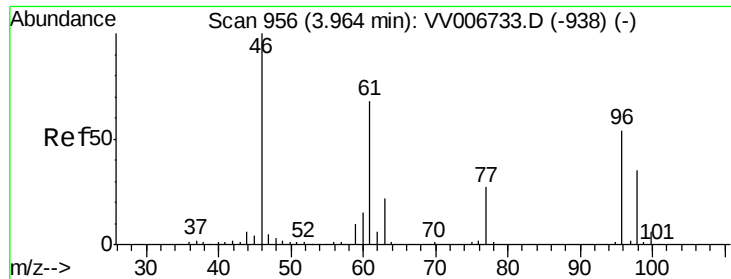
Tot Ion: 63 Resp: 155115
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.4 41.6
 83 13.1 9.0 16.8



#21
 2-Butanone
 Concen: 51.802 ug/L
 RT: 4.04 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Tgt Ion: 43 Resp: 218601
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.8 41.4



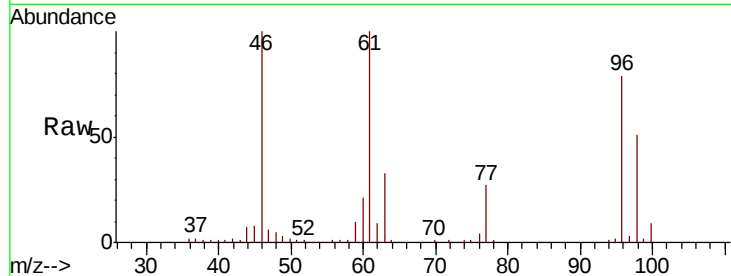


#22

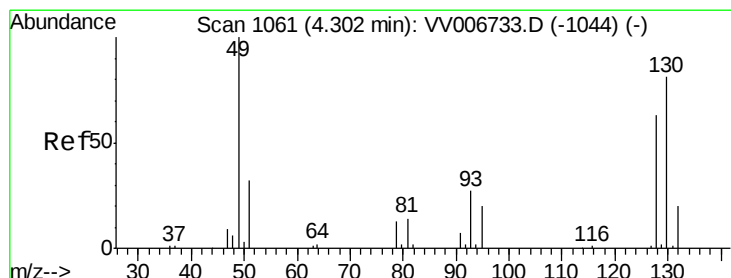
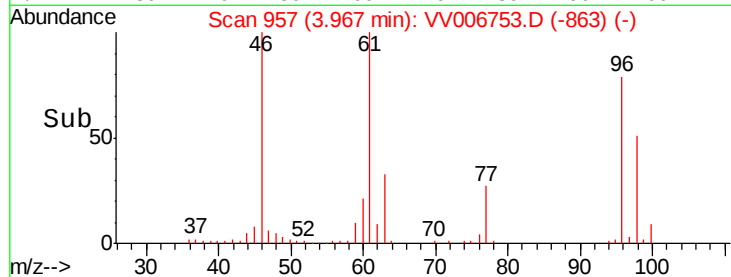
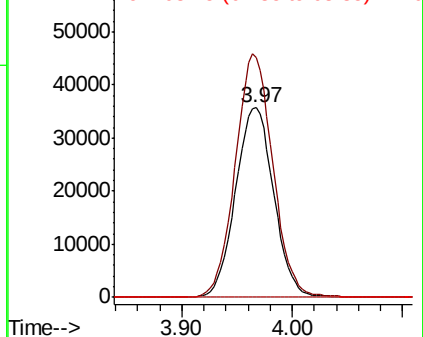
cis-1,2-Dichloroethene
Concen: 4.748 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 85782
Ion Ratio Lower Upper
96 100
61 126.6 85.5 158.9
68 0.0 0.0 0.0



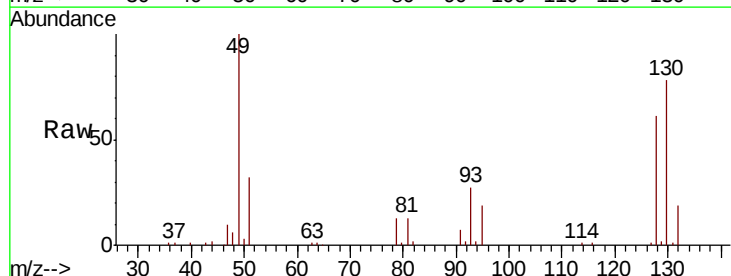
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



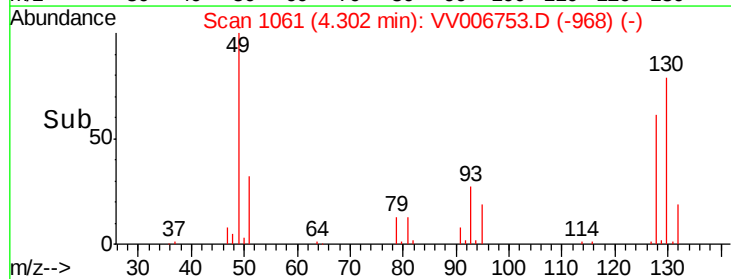
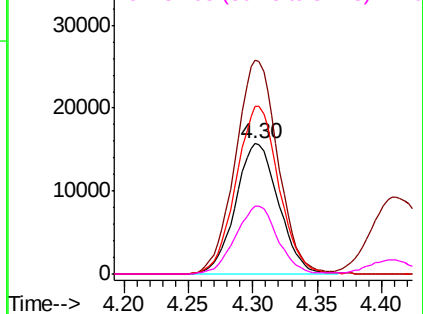
#23

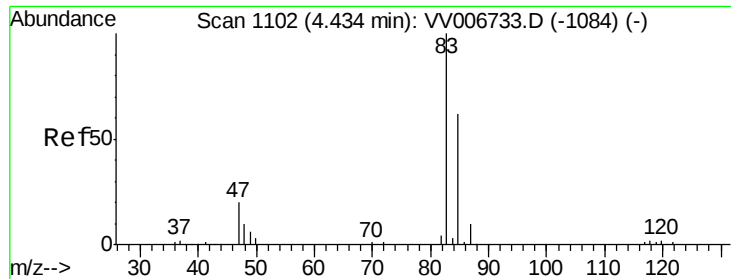
Bromochloromethane
Concen: 4.899 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

Tgt Ion: 128 Resp: 36423
Ion Ratio Lower Upper
128 100
49 163.9 112.6 209.0
130 128.5 87.1 161.7
51 52.3 40.9 61.3



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

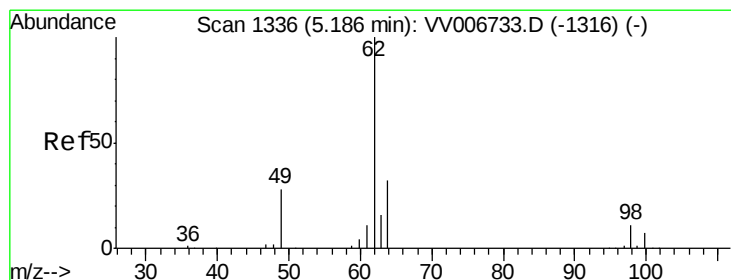
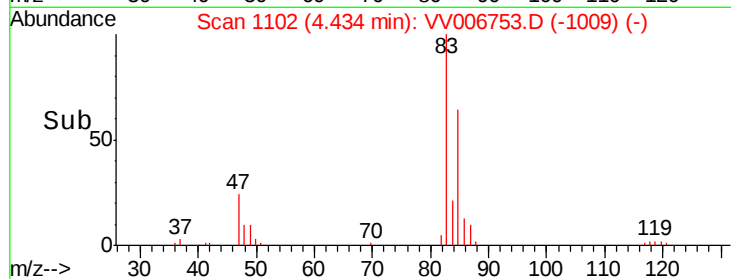
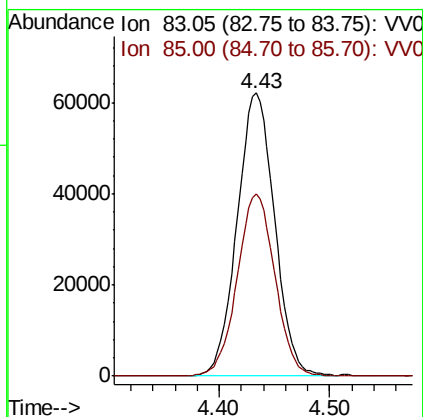
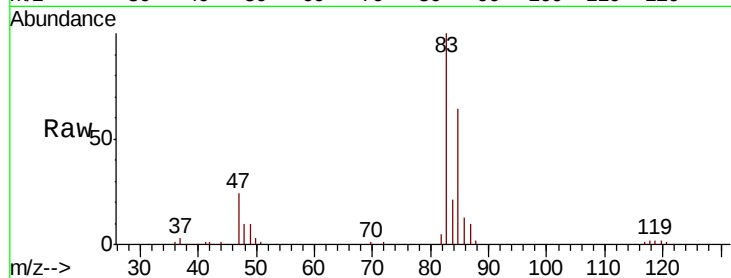




#25
Chloroform
Concen: 4.880 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

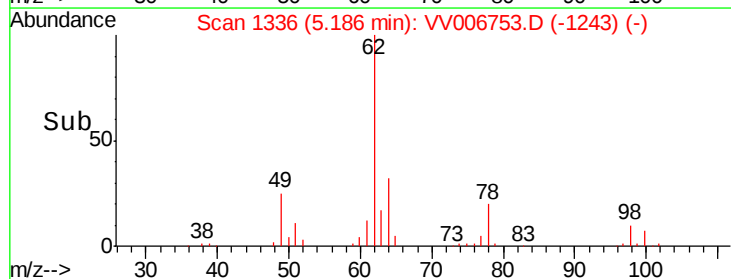
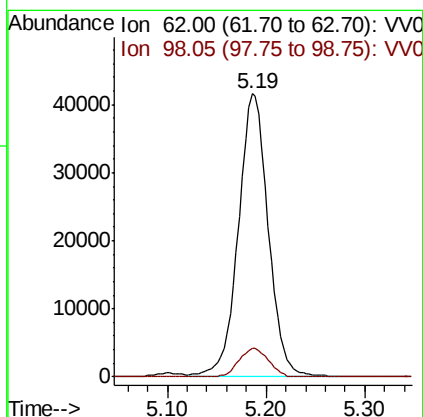
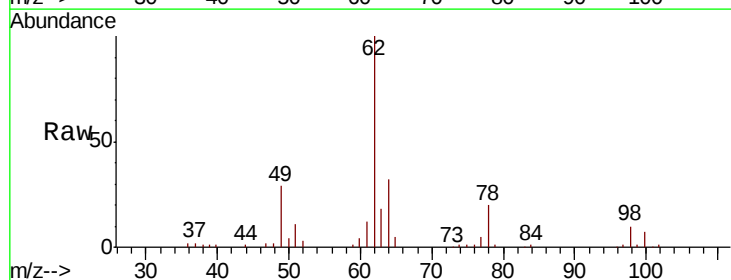
Instrument :
MSVOA_V
ClientSampleId :

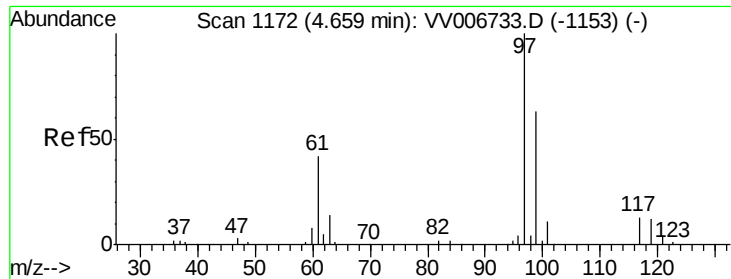
Tot Ion: 83 Resp: 145964
Ion Ratio Lower Upper
83 100
85 64.2 46.1 85.5



#27
1,2-Dichloroethane
Concen: 4.930 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

Tgt Ion: 62 Resp: 86503
Ion Ratio Lower Upper
62 100
98 10.0 8.4 12.6

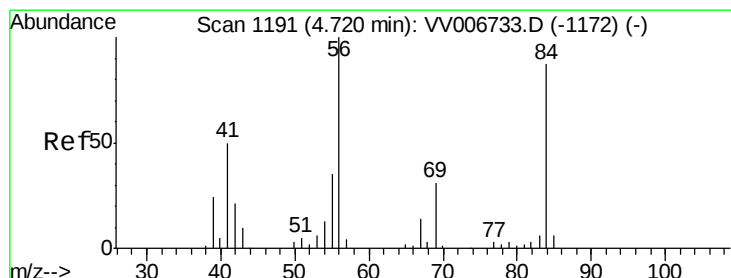
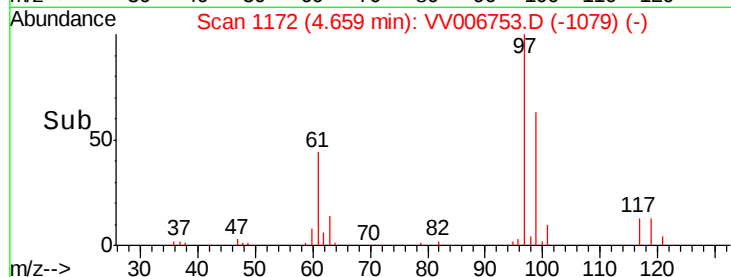
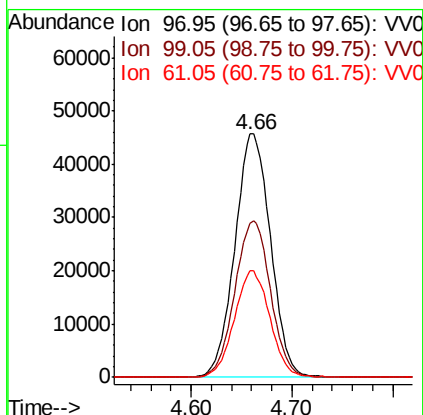
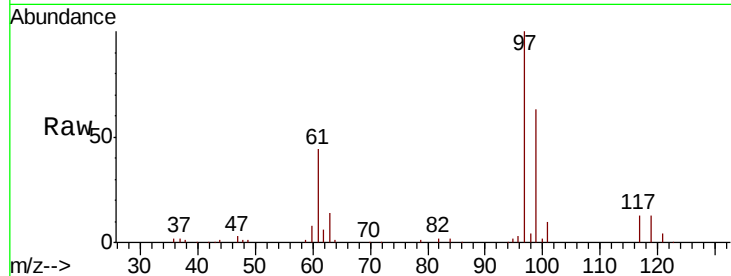




#29
 1,1,1-Trichloroethane
 Concen: 4.630 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

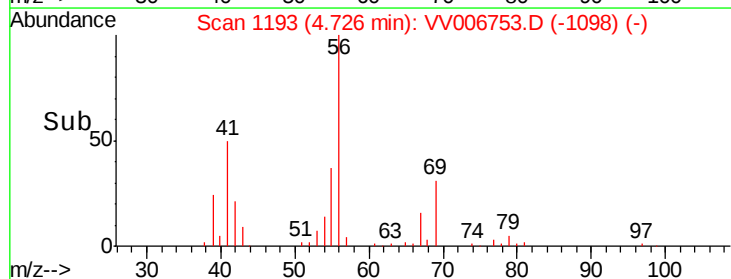
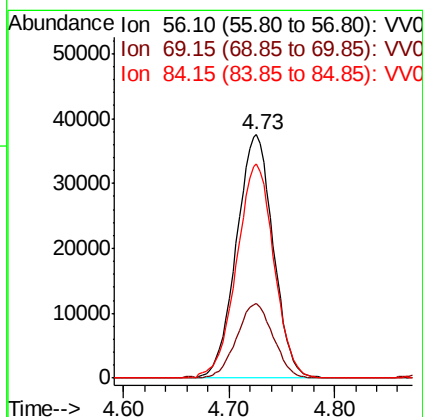
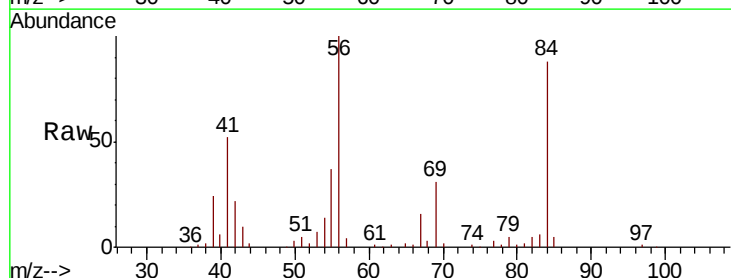
Instrument :
 MSVOA_V
 ClientSampled :

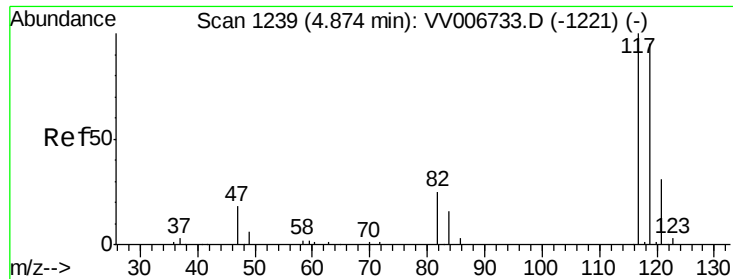
Tot Ion: 97 Resp: 112160
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.7 77.5
 61 43.5 34.9 52.3



#30
 Cyclohexane
 Concen: 3.355 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Tgt Ion: 56 Resp: 90988
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.6 36.8
 84 89.1 71.4 107.2



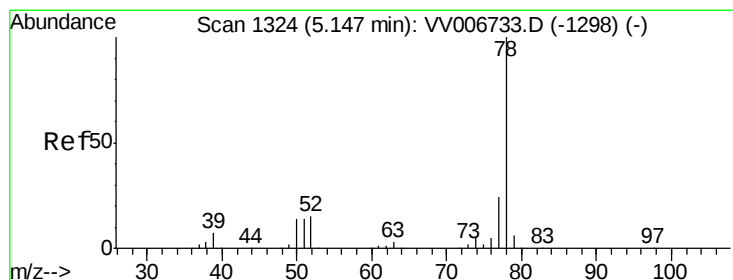
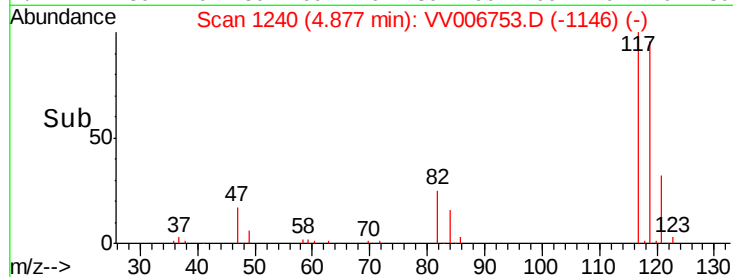
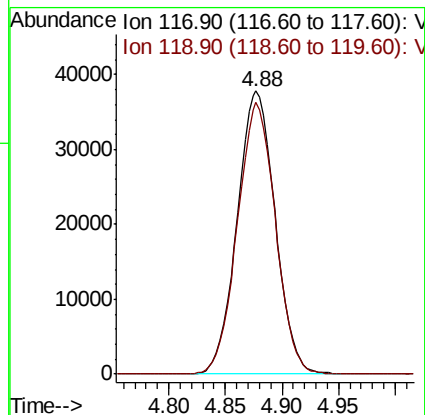
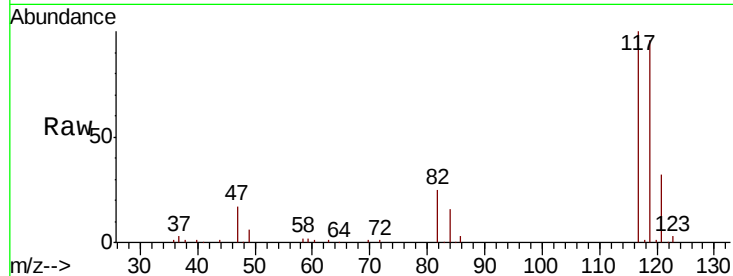


#31

Carbon tetrachloride
 Concen: 4.269 ug/L
 RT: 4.88 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Instrument :
 MSVOA_V
 ClientSampleId :

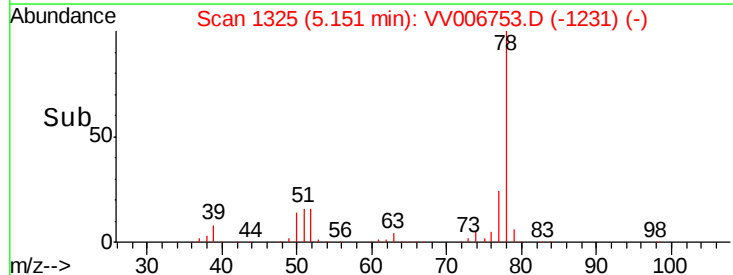
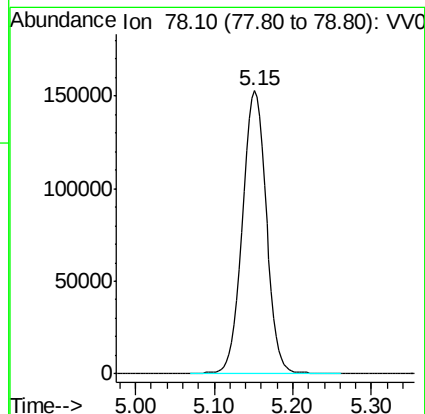
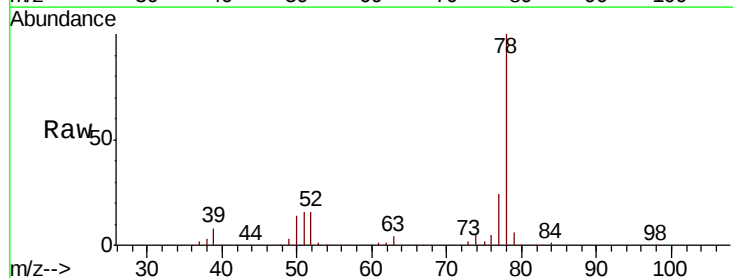
Tot Ion:117 Resp: 88384
 Ion Ratio Lower Upper
 117 100
 119 96.0 77.0 115.6

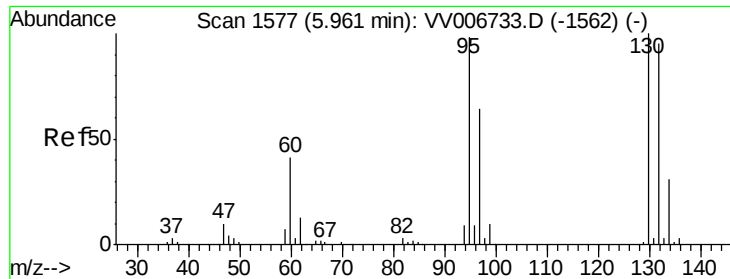


#33

Benzene
 Concen: 4.838 ug/L
 RT: 5.15 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Tgt Ion: 78 Resp: 327509





#34

Trichloroethene

Concen: 4.546 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 77675

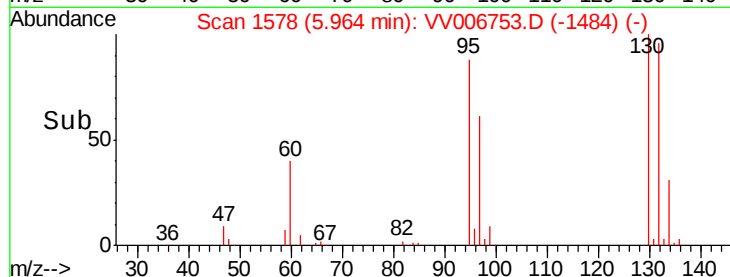
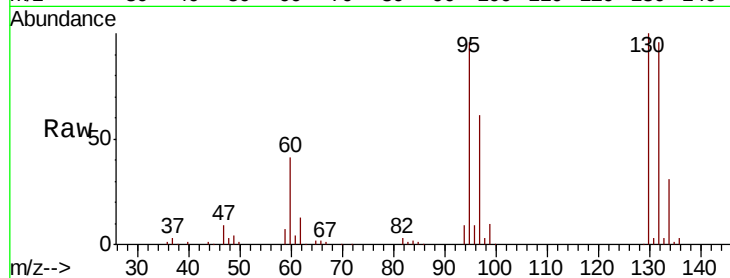
Ion Ratio Lower Upper

95 100

97 64.0 44.9 83.3

132 100.1 68.9 127.9

130 104.7 73.4 136.4

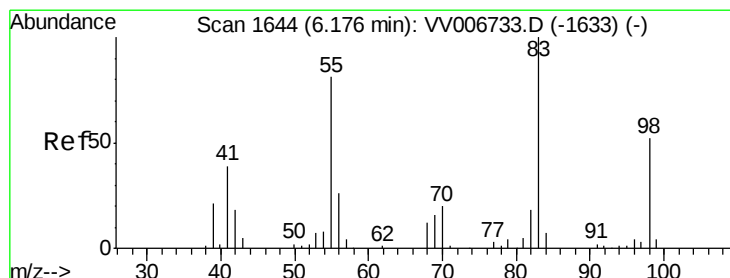
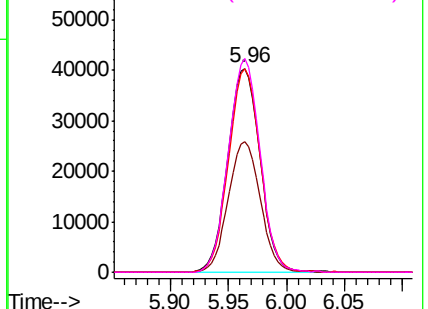


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 3.127 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

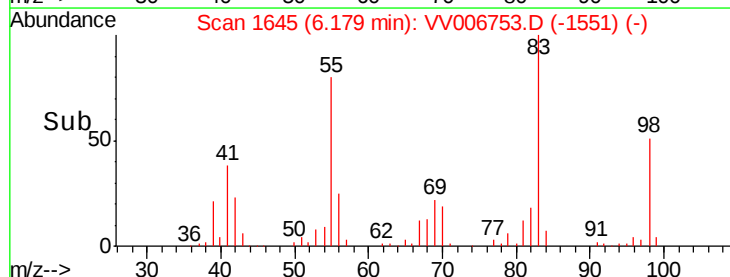
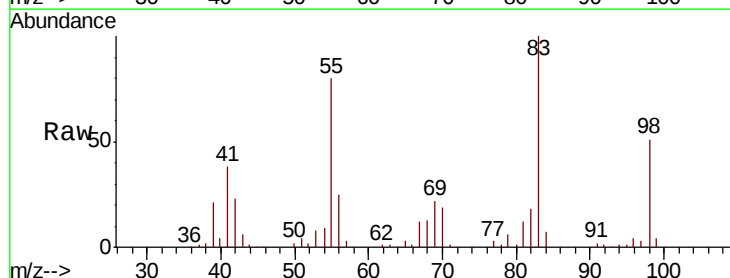
Tgt Ion: 83 Resp: 89262

Ion Ratio Lower Upper

83 100

55 78.6 61.9 92.9

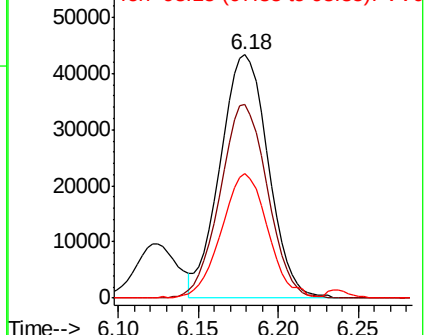
98 49.3 39.7 59.5

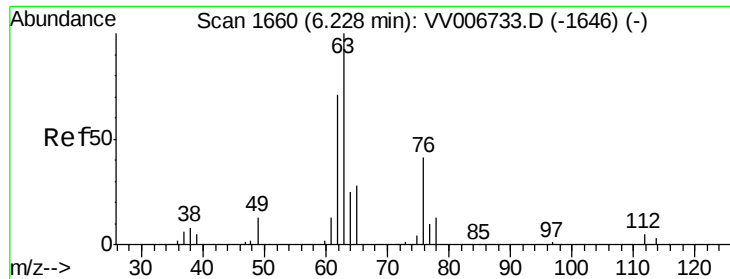


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

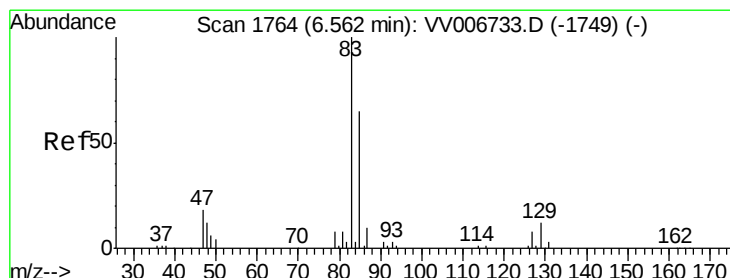
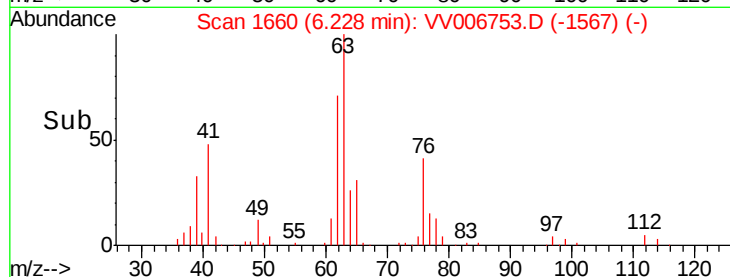
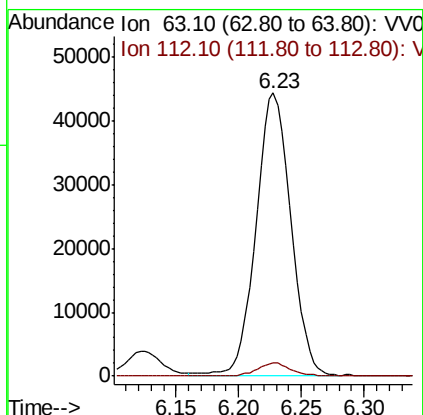
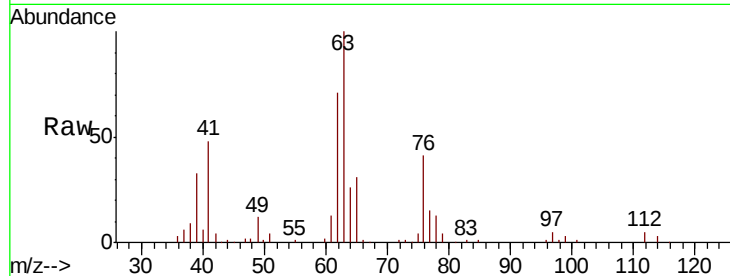




#37
 1,2-Dichloropropane
 Concen: 4.960 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

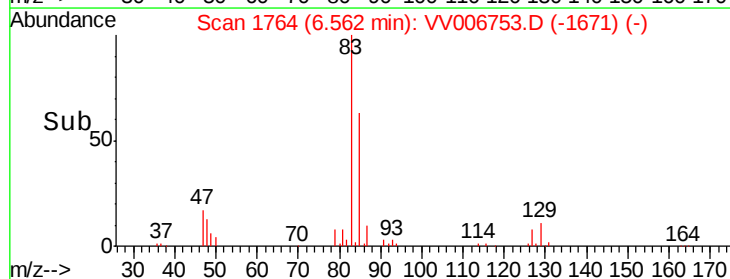
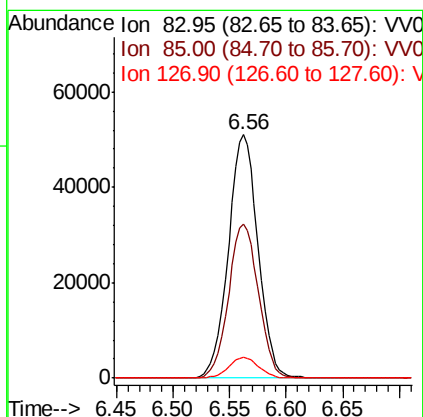
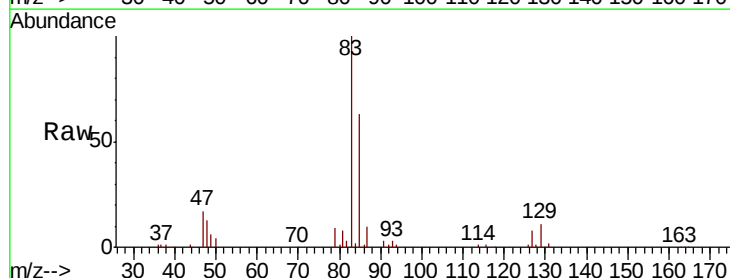
Instrument :
 MSVOA_V
 ClientSampled :

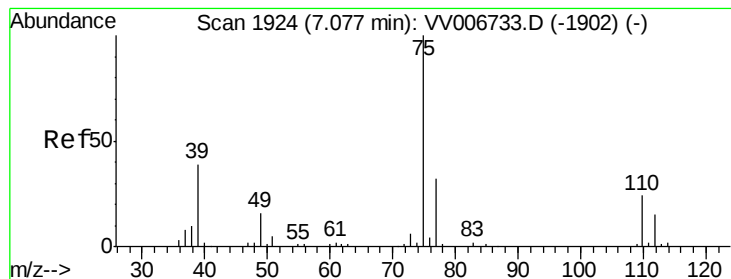
Tot Ion: 63 Resp: 86183
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.787 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Tgt Ion: 83 Resp: 92921
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.4 82.4
 127 8.5 6.6 9.8



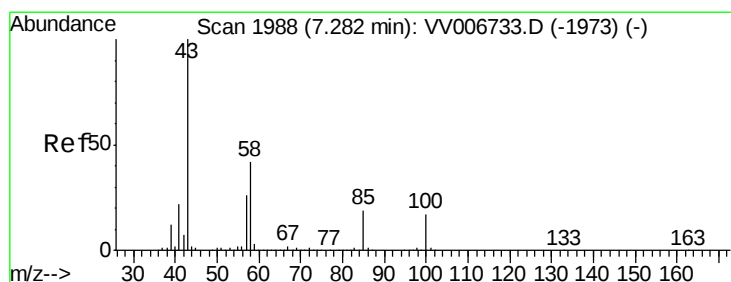
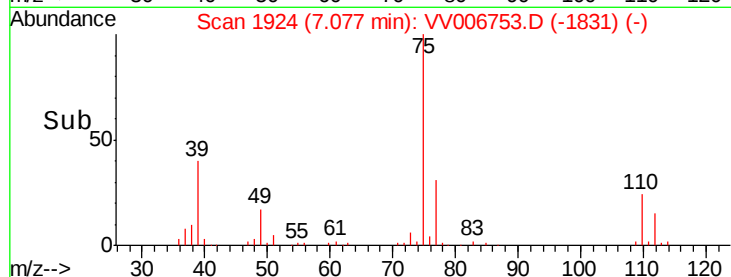
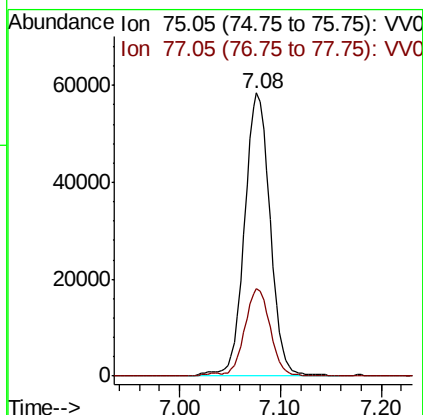
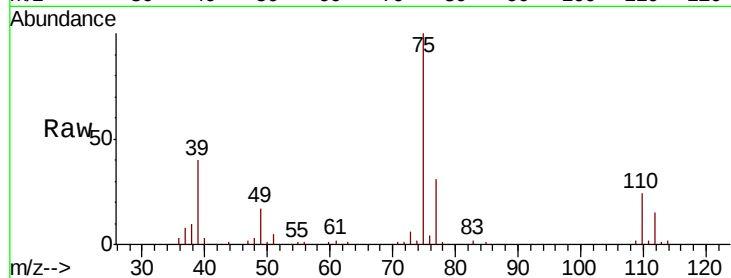


#39

cis-1,3-Dichloropropene
 Concen: 4.520 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Instrument :
 MSVOA_V
 ClientSampleId :

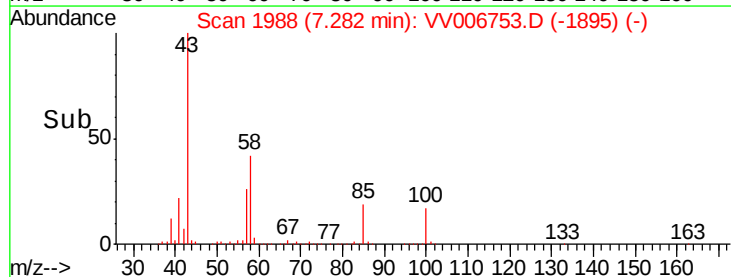
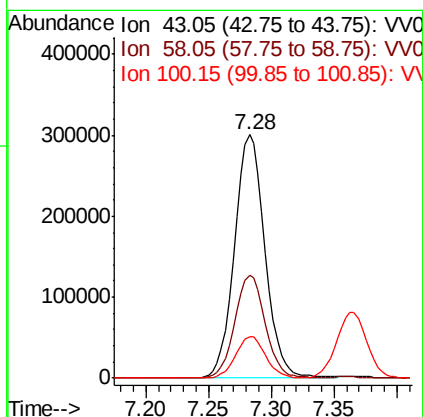
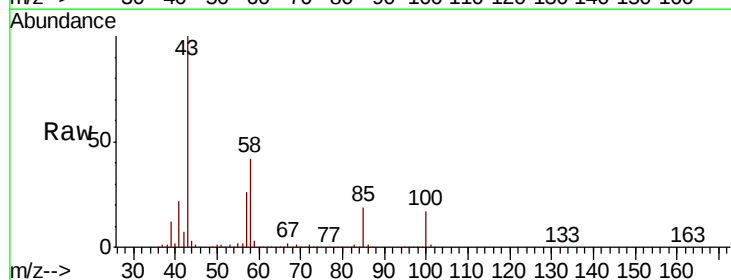
Tot Ion: 75 Resp: 102317
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.0 40.8

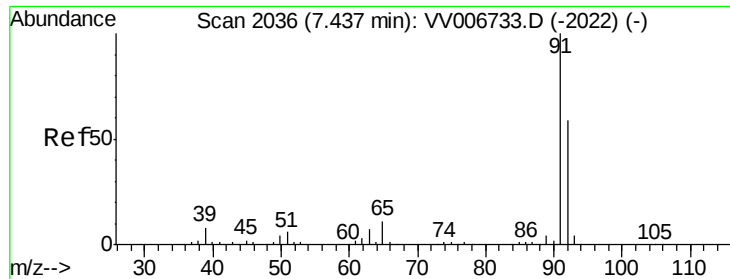


#40

4-Methyl-2-pentanone
 Concen: 53.186 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Tgt Ion: 43 Resp: 508040
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.4 50.0
 100 16.9 13.6 20.4





#42

Toluene

Concen: 4.682 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

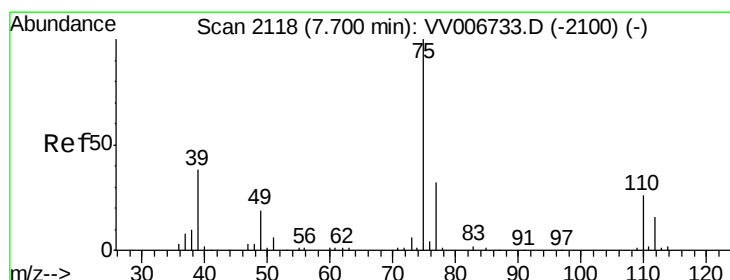
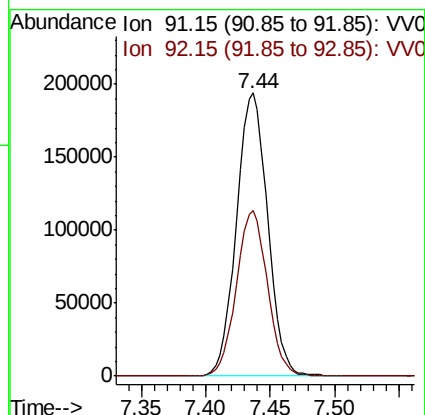
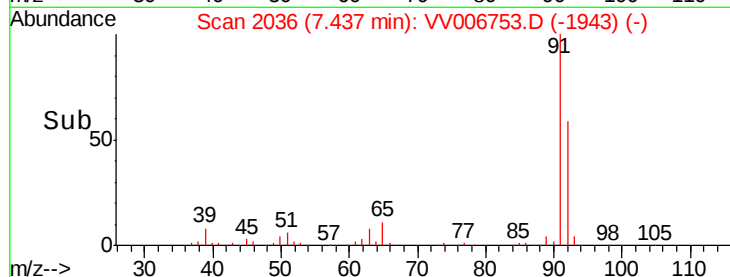
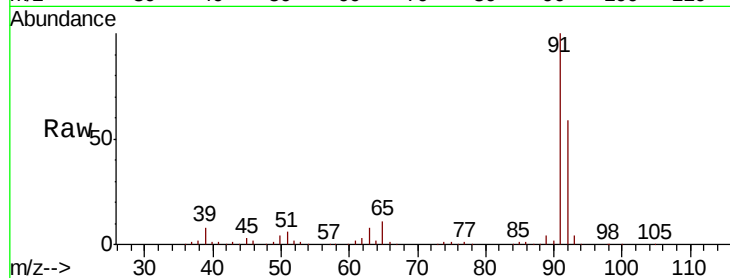
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 326374

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 4.553 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006753.D

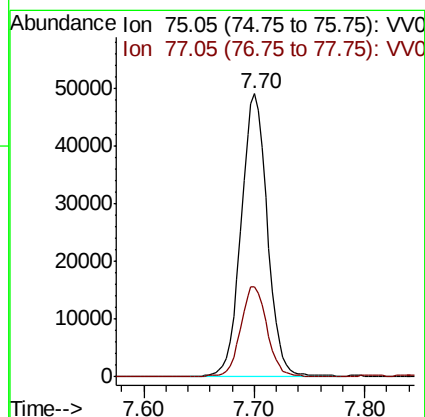
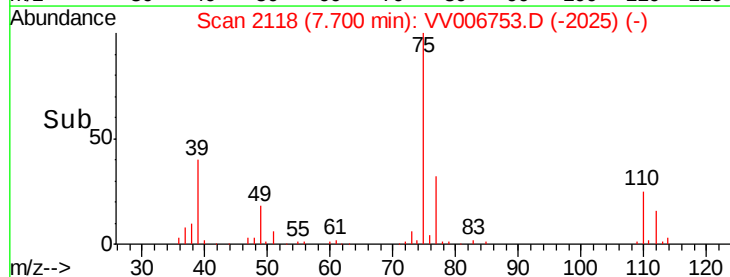
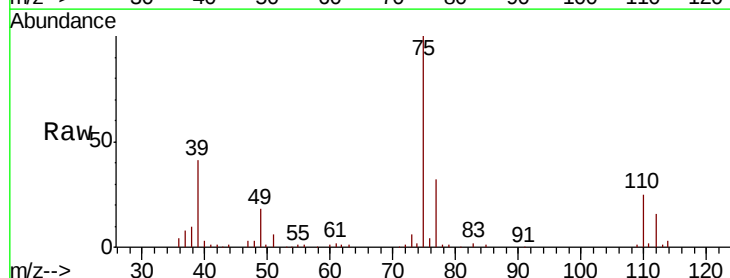
Acq: 28 Jul 2018 04:05

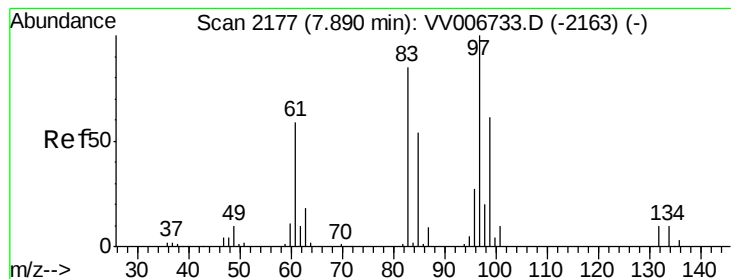
Tgt Ion: 75 Resp: 81031

Ion Ratio Lower Upper

75 100

77 32.0 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 5.010 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 58632

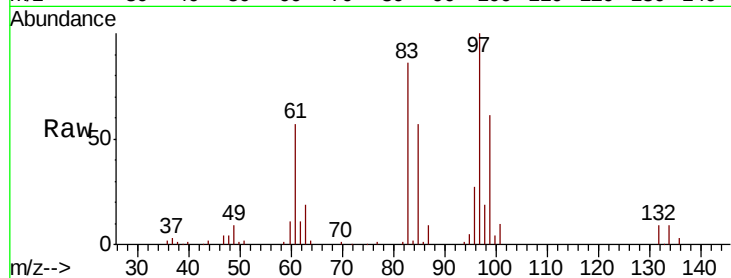
Ion Ratio Lower Upper

97 100

99 61.4 43.0 79.8

83 85.6 59.4 110.4

85 56.9 37.5 69.7

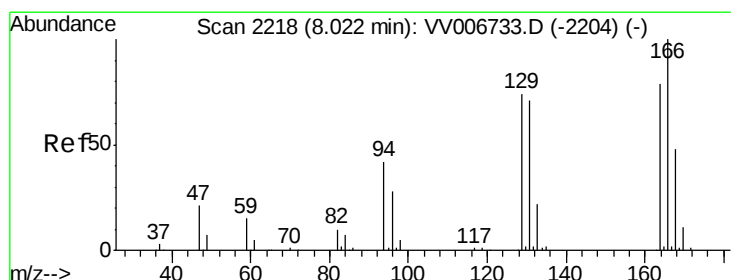
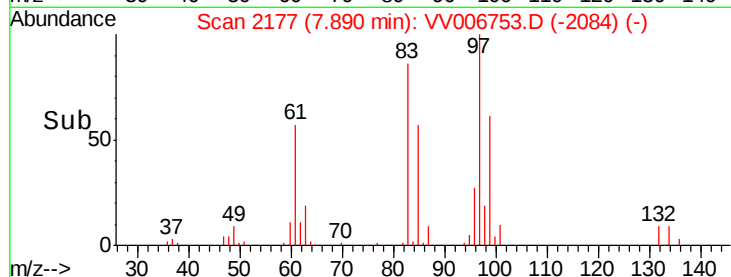
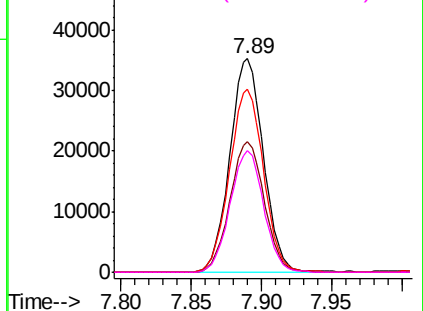


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 4.110 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

Tgt Ion: 164 Resp: 55779

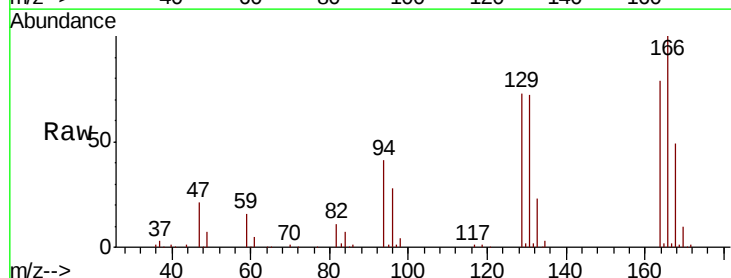
Ion Ratio Lower Upper

164 100

129 92.4 65.0 120.8

131 91.2 61.9 115.1

166 126.7 89.3 165.9

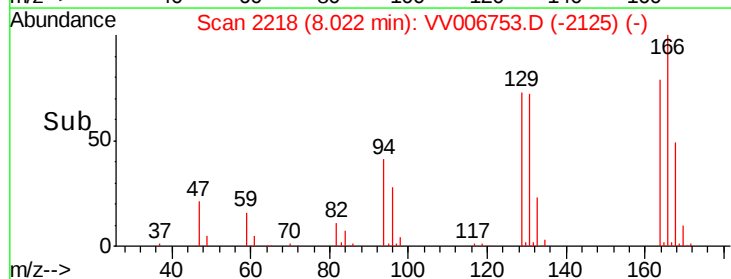
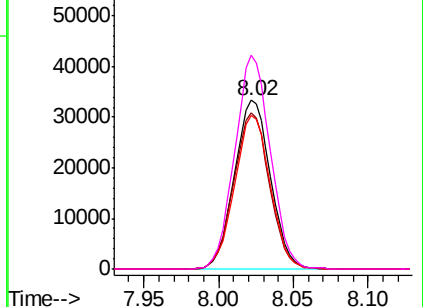


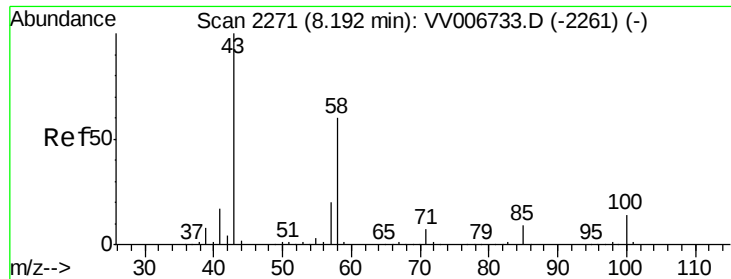
Abundance Ion 163.90 (163.60 to 164.60): V

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

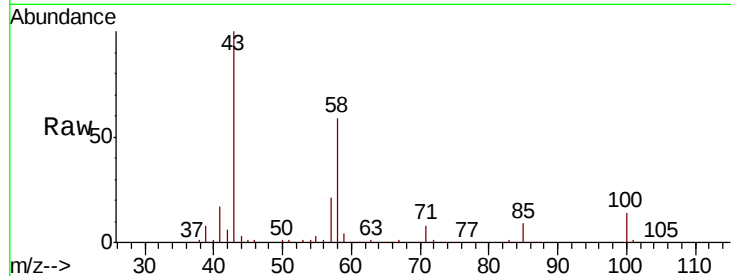




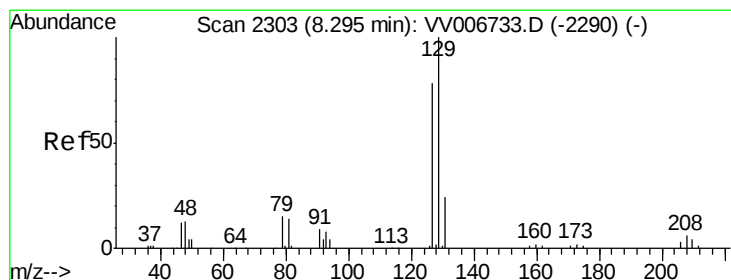
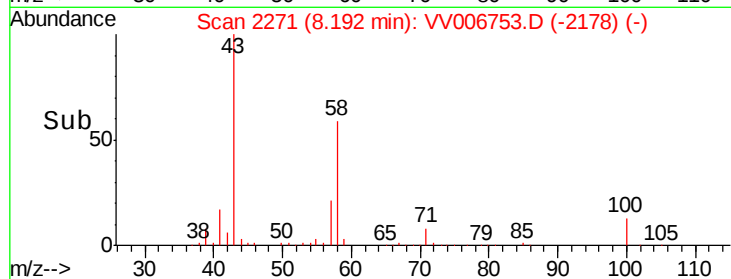
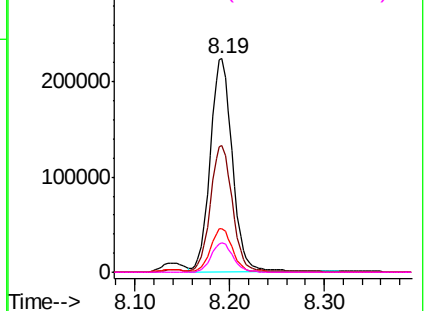
#48
2-Hexanone
Concen: 54.688 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 364501
Ion Ratio Lower Upper
43 100
58 59.7 47.2 70.8
57 20.1 16.1 24.1
100 13.8 11.1 16.7

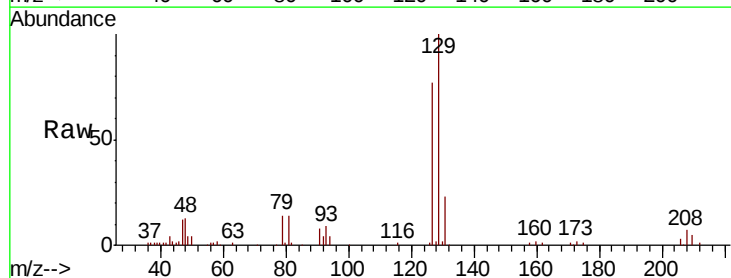


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

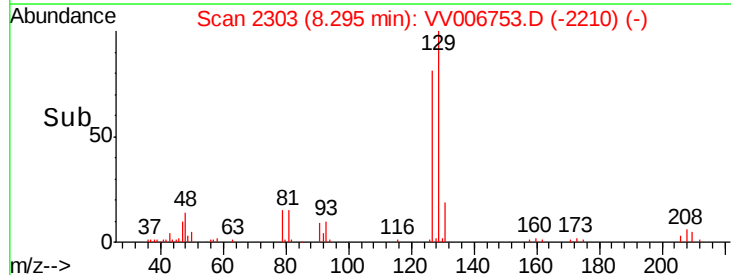
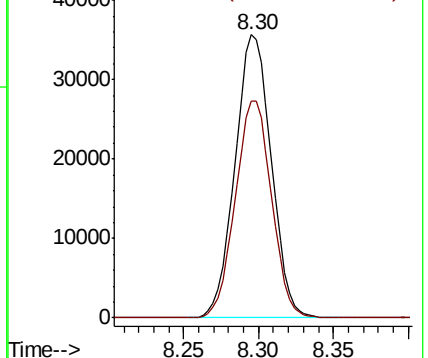


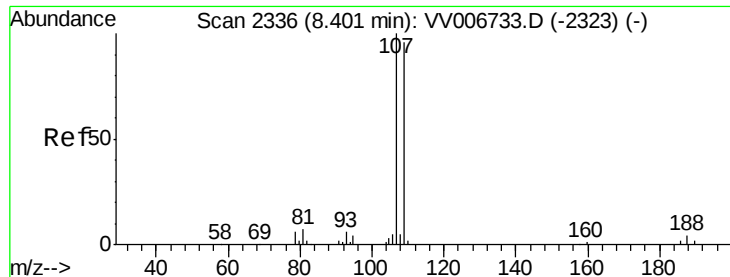
#49
Dibromochloromethane
Concen: 4.854 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

Tgt Ion: 129 Resp: 60114
Ion Ratio Lower Upper
129 100
127 76.6 53.5 99.5



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

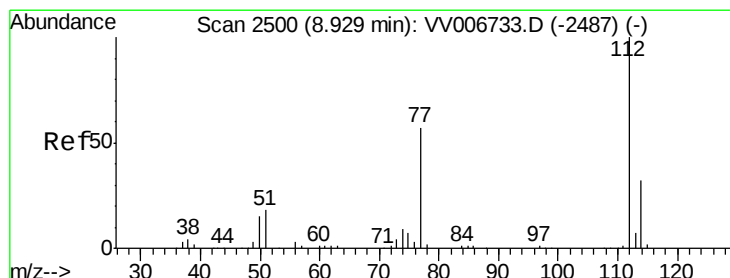
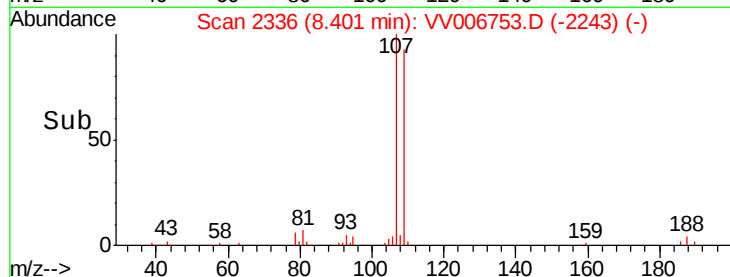
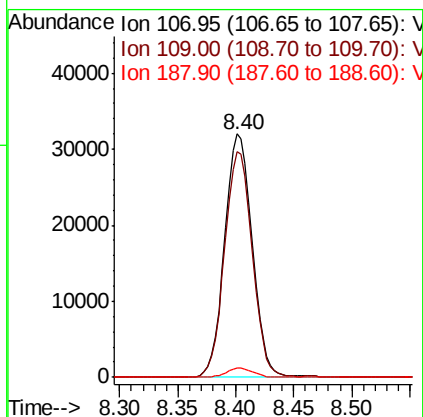
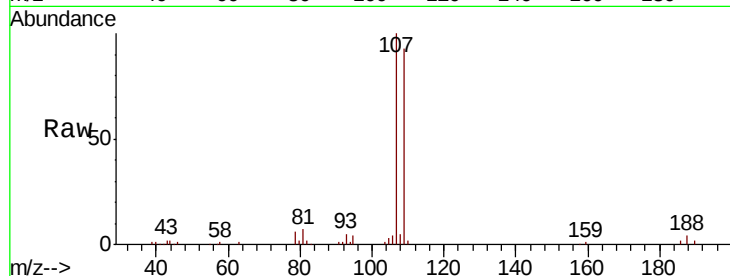




#50
1,2-Dibromoethane
Concen: 5.029 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

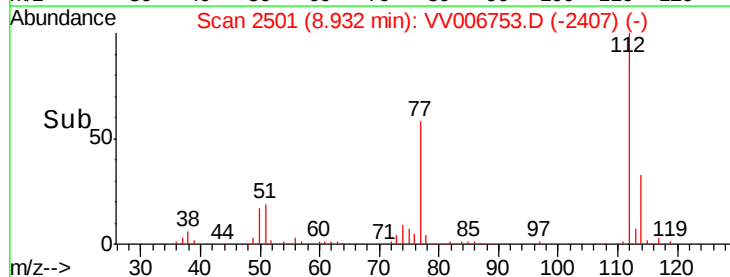
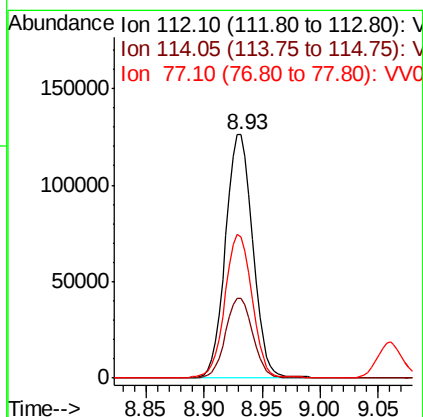
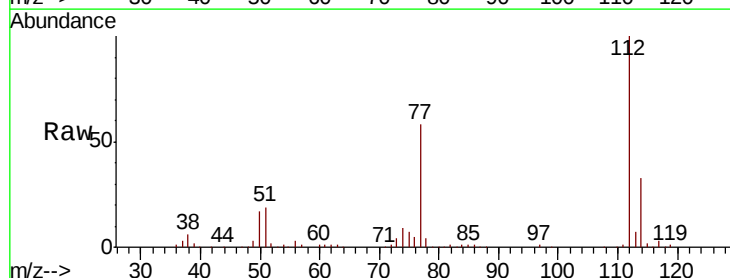
Instrument :
MSVOA_V
ClientSampleId :

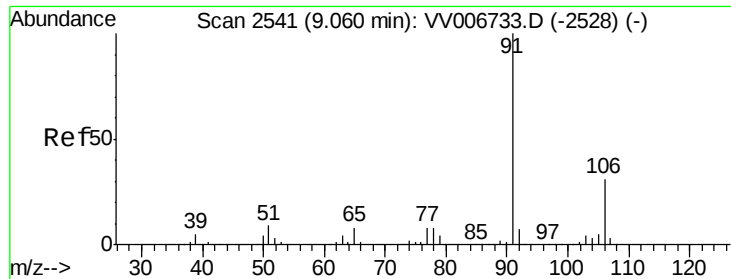
Tot Ion:107 Resp: 52601
Ion Ratio Lower Upper
107 100
109 92.5 66.8 124.0
188 3.6 3.1 4.7



#51
Chlorobenzene
Concen: 4.558 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

Tgt Ion:112 Resp: 206644
Ion Ratio Lower Upper
112 100
114 32.8 22.5 41.9
77 58.1 46.2 69.2

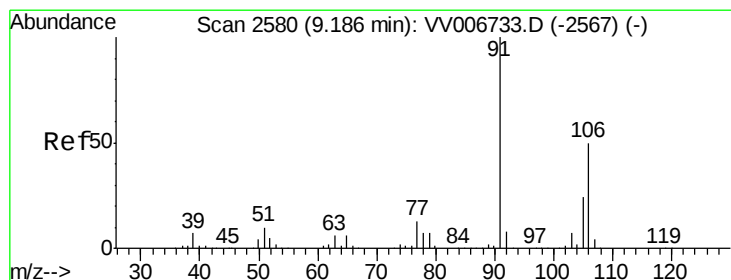
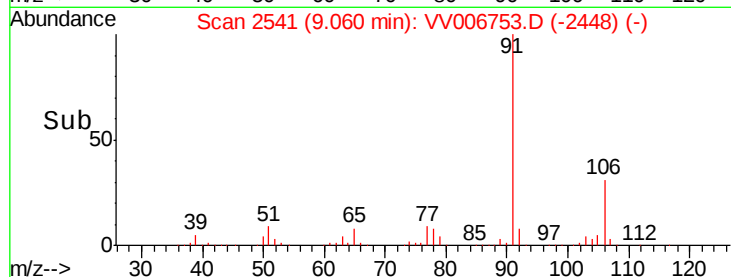
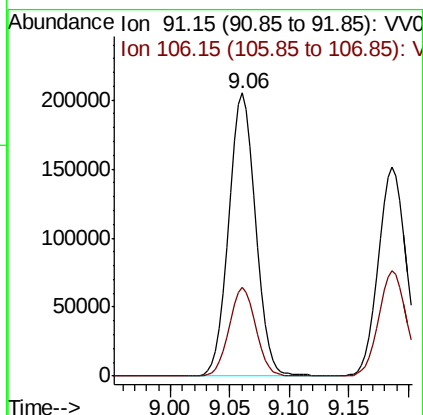
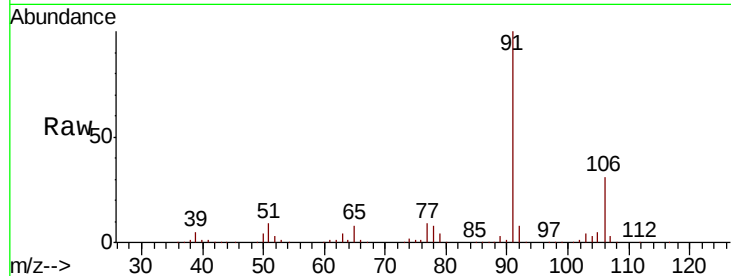




#52
Ethylbenzene
Concen: 4.330 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

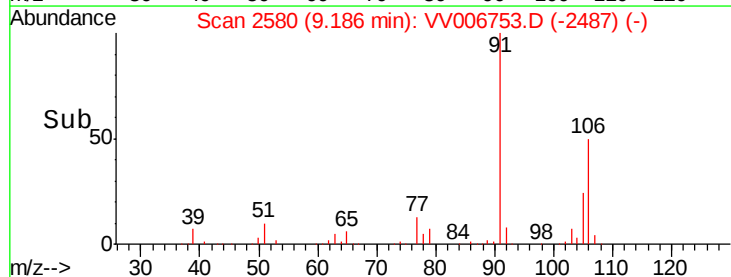
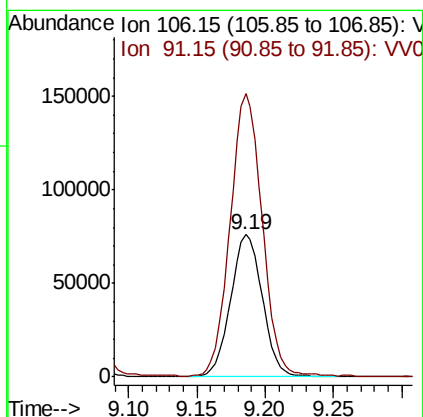
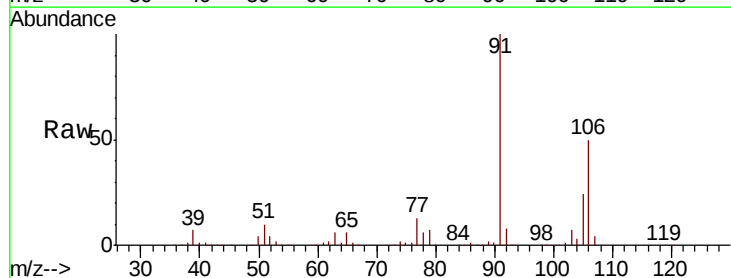
Instrument :
MSVOA_V
ClientSampleId :

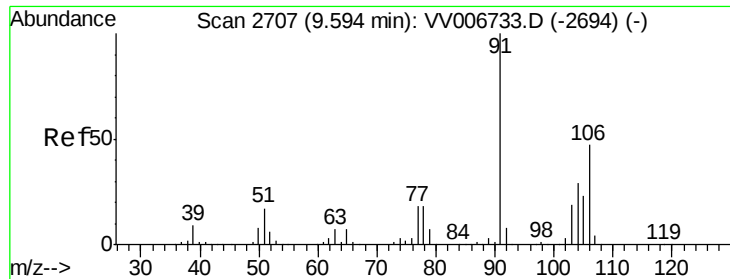
Tot Ion: 91 Resp: 321713
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-xylene
Concen: 4.396 ug/L
RT: 9.19 min Scan# 2580
Delta R.T. -0.00 min
Lab File: VV006753.D
Acq: 28 Jul 2018 04:05

Tgt Ion: 106 Resp: 123298
Ion Ratio Lower Upper
106 100
91 199.2 140.3 260.5





#54

o-xylene

Concen: 4.544 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

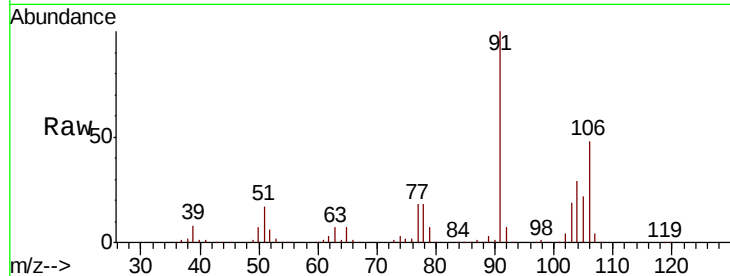
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 124159

Ion Ratio Lower Upper

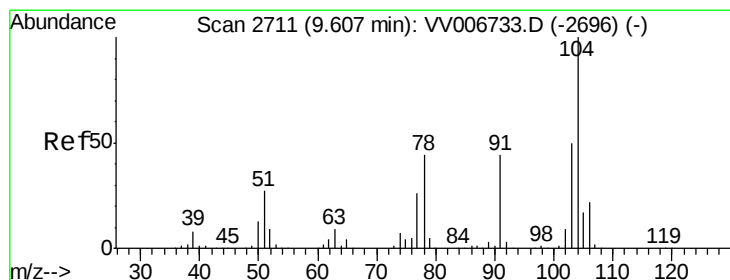
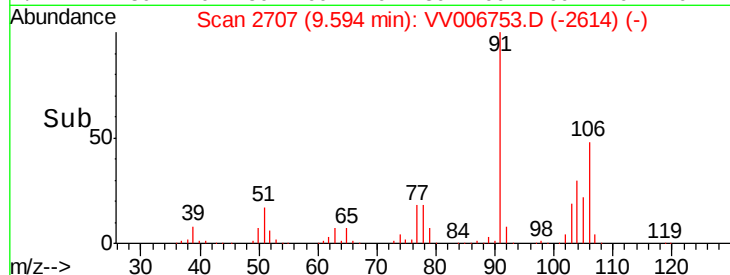
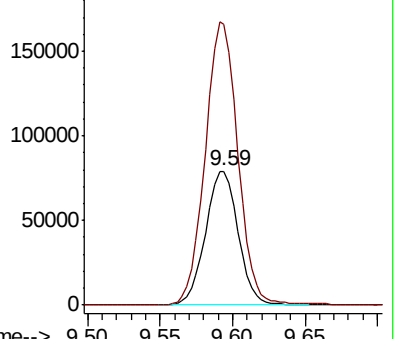
106 100

91 209.8 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.709 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006753.D

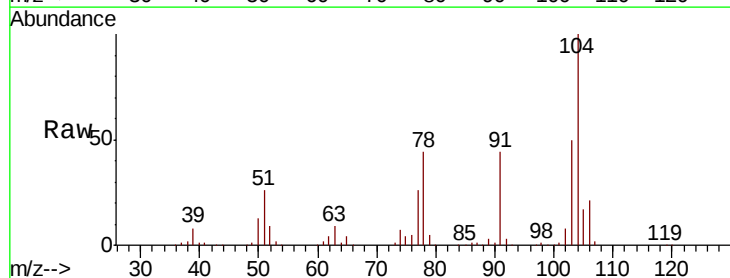
Acq: 28 Jul 2018 04:05

Tgt Ion:104 Resp: 217025

Ion Ratio Lower Upper

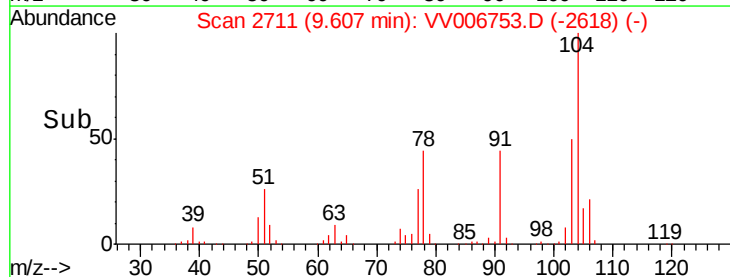
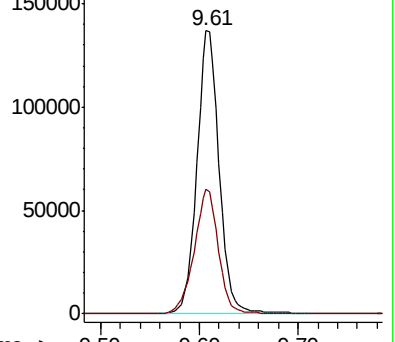
104 100

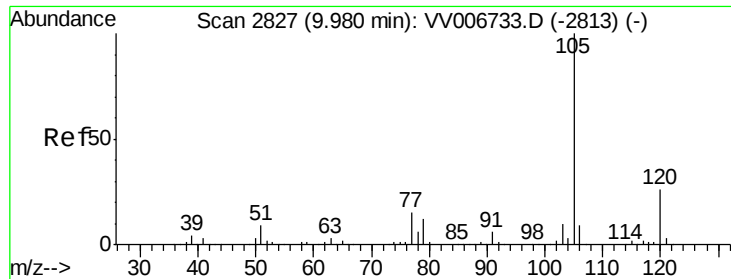
78 44.0 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.163 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

Instrument :

MSVOA_V

ClientSampleId :

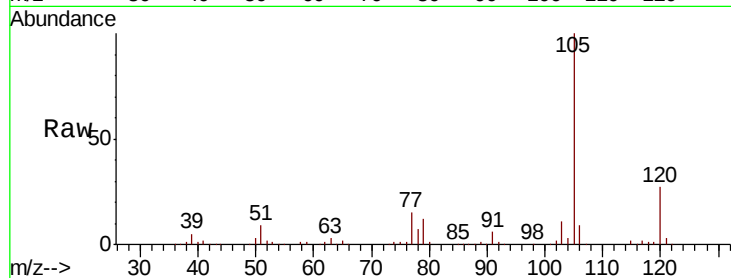
Tot Ion:105 Resp: 295393

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

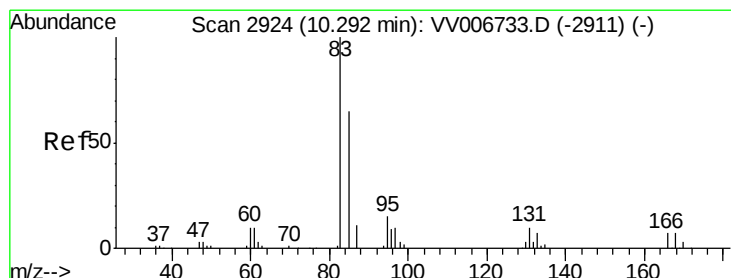
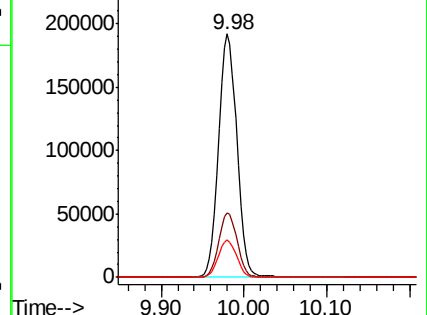
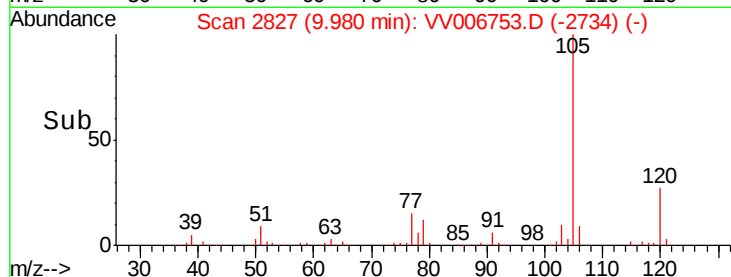
77 15.3 12.2 18.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.973 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

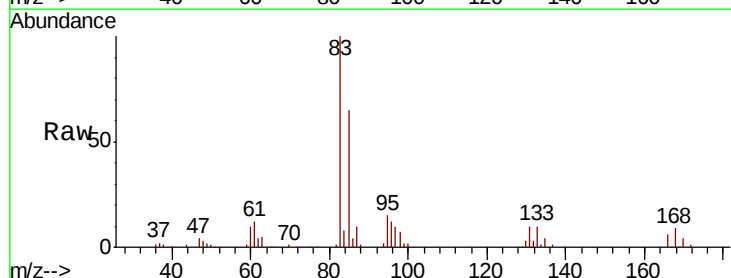
Tgt Ion: 83 Resp: 71193

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.6

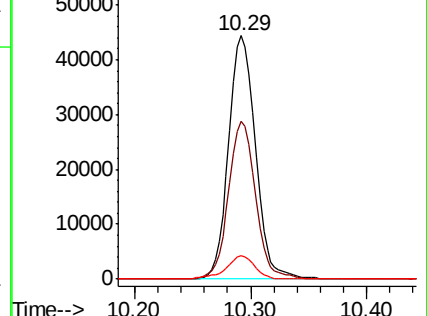
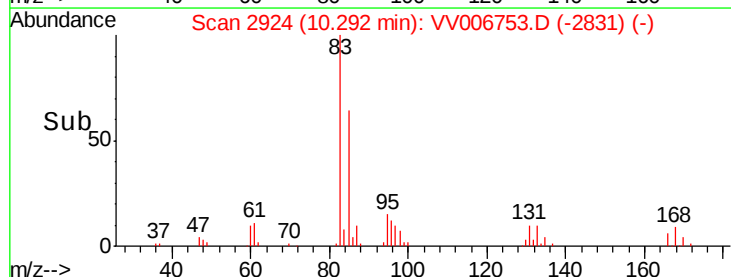
131 9.7 8.0 12.0

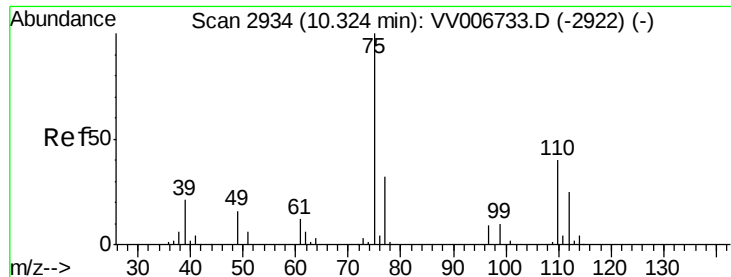


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

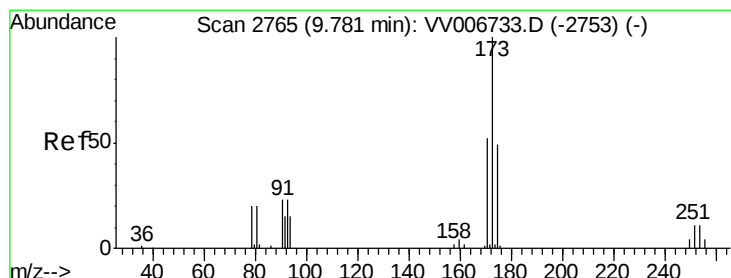
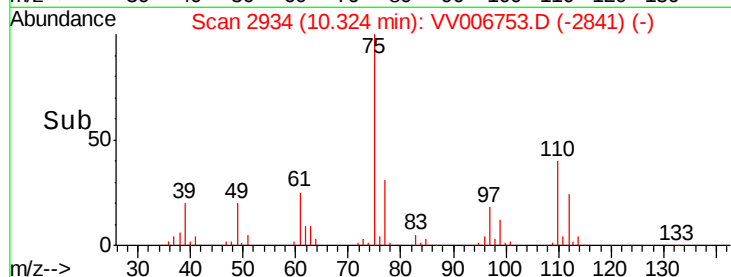
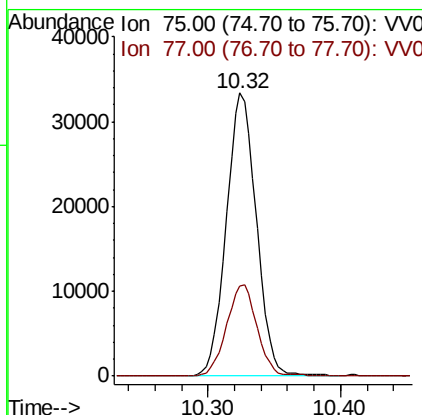
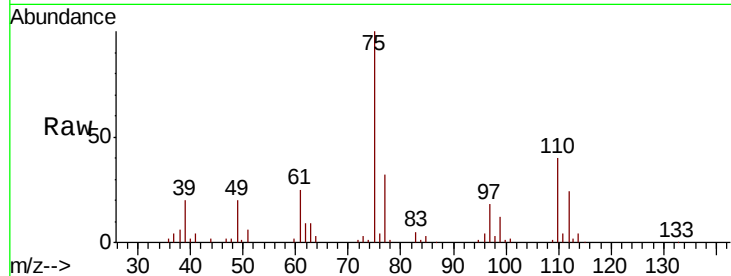




#59
 1,2,3-Trichloropropane
 Concen: 5.140 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

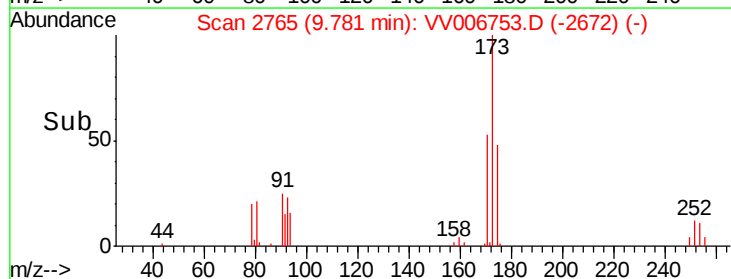
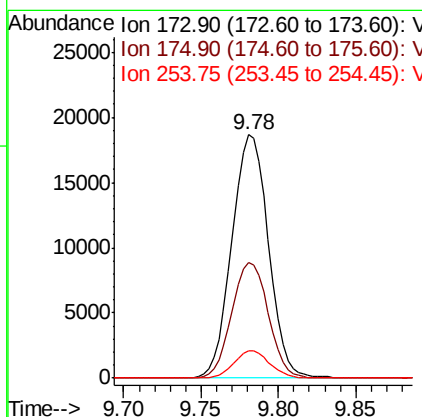
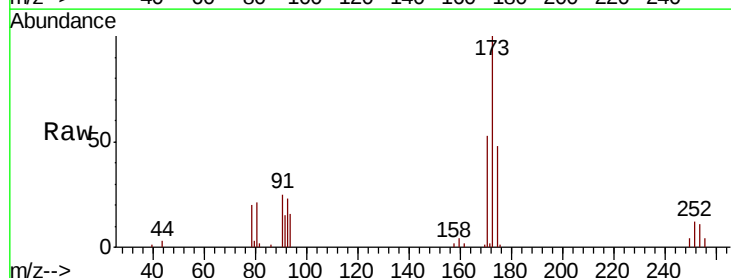
Instrument :
 MSVOA_V
 ClientSampleId :

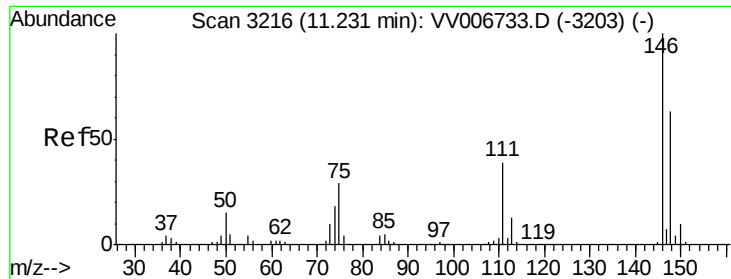
Tot Ion: 75 Resp: 52571
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.1 39.1



#61
 Bromoform
 Concen: 4.999 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Tgt Ion:173 Resp: 30677
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.1 58.7
 254 10.9 9.1 13.7

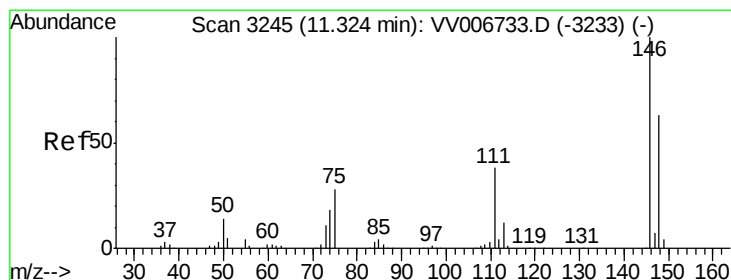
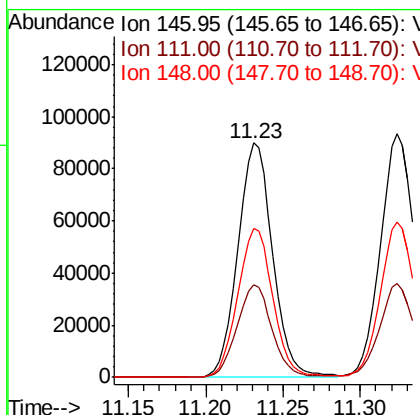
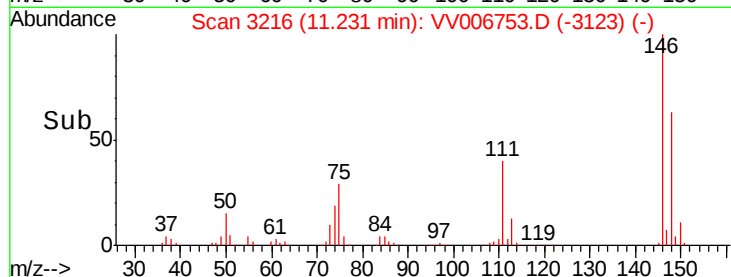
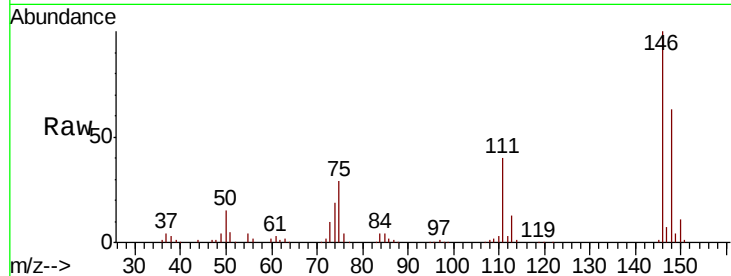




#62
 1,3-Dichlorobenzene
 Concen: 4.506 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

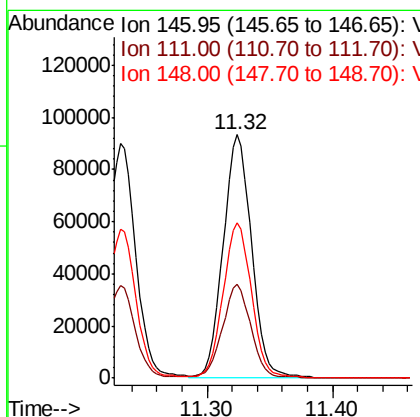
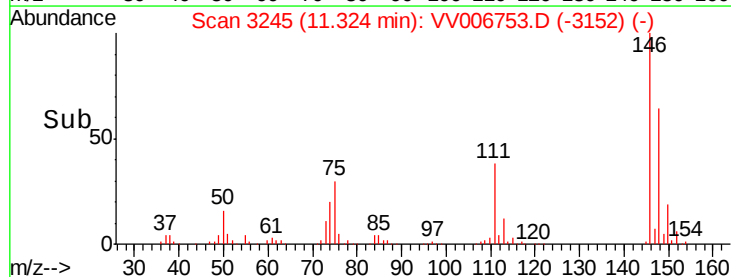
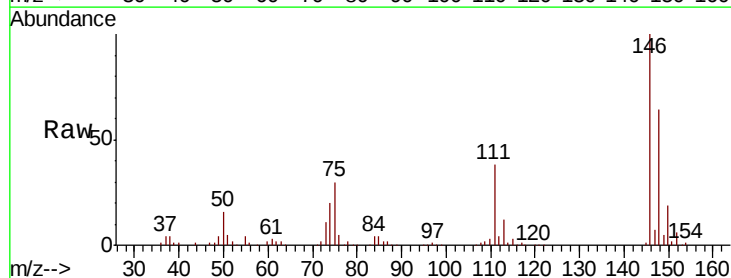
Instrument :
 MSVOA_V
 ClientSampleId :

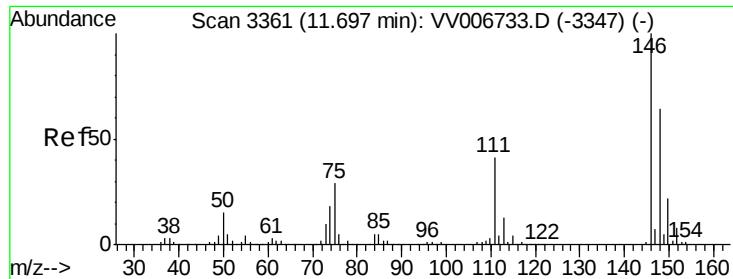
Tot Ion:146 Resp: 140630
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.5 51.1
 148 63.4 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.623 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Tgt Ion:146 Resp: 147052
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.0 50.2
 148 63.9 45.1 83.7

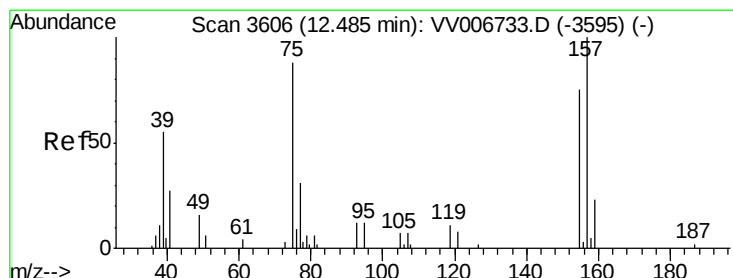
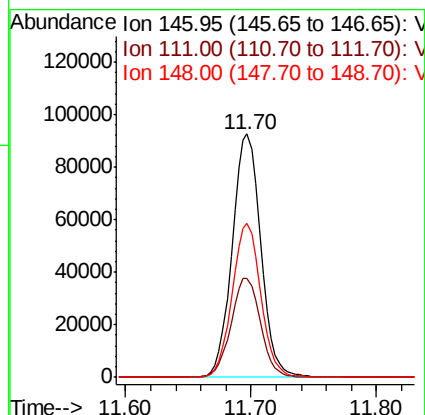
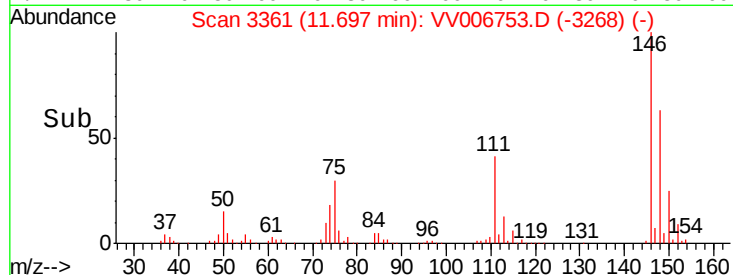
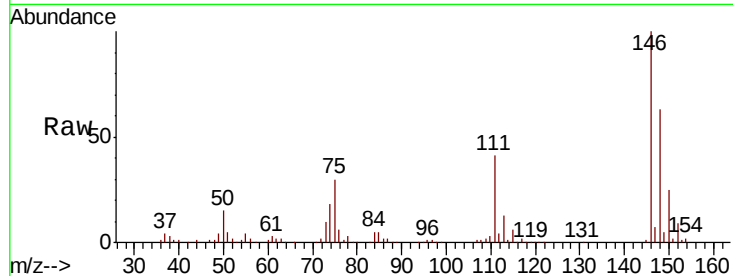




#65
 1,2-Dichlorobenzene
 Concen: 4.814 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

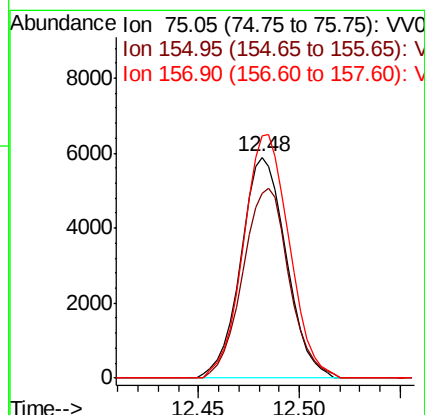
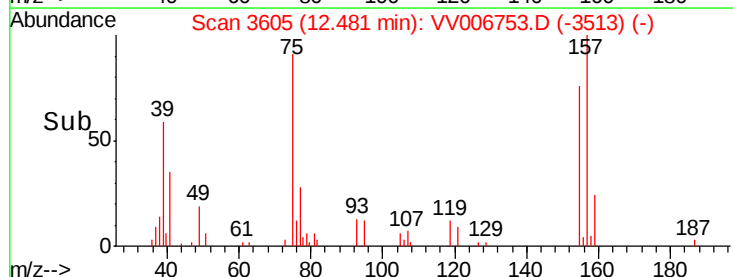
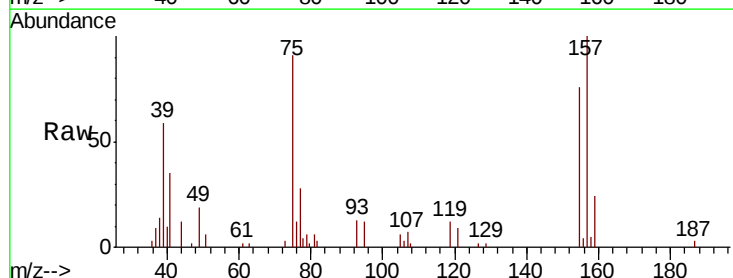
Instrument :
 MSVOA_V
 ClientSampleId :

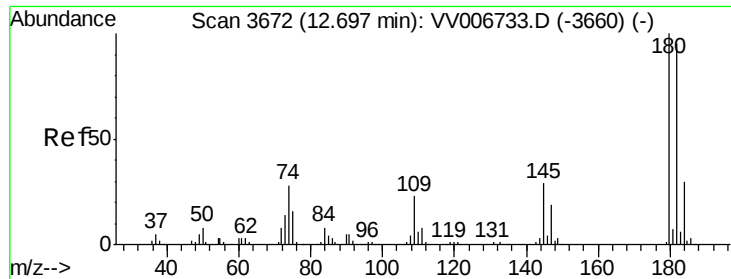
Tot Ion:146 Resp: 146342
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.9 49.3
 148 63.2 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.108 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Tgt Ion: 75 Resp: 9293
 Ion Ratio Lower Upper
 75 100
 155 83.5 68.8 103.2
 157 110.0 85.6 128.4

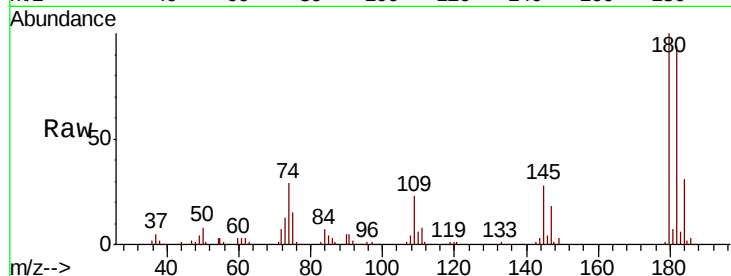




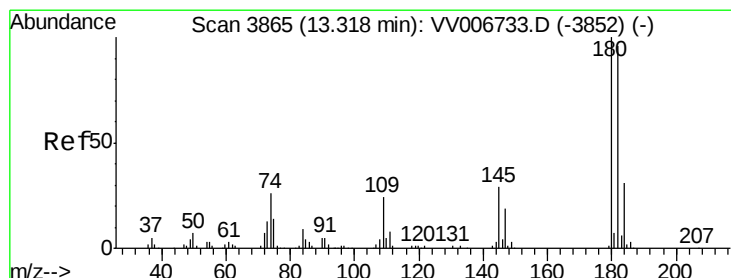
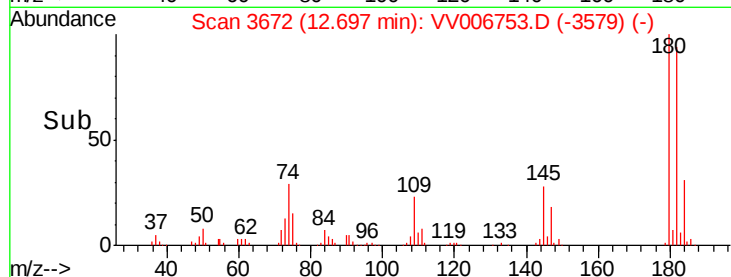
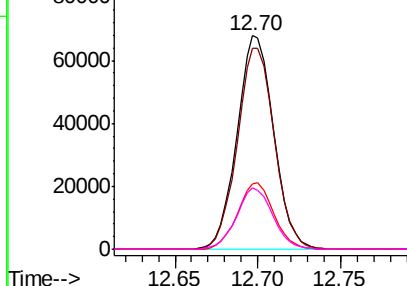
#67
 1,3,5-Trichlorobenzene
 Concen: 4.374 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 104216
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.8 115.2
 184 30.6 24.6 37.0
 145 28.5 22.8 34.2

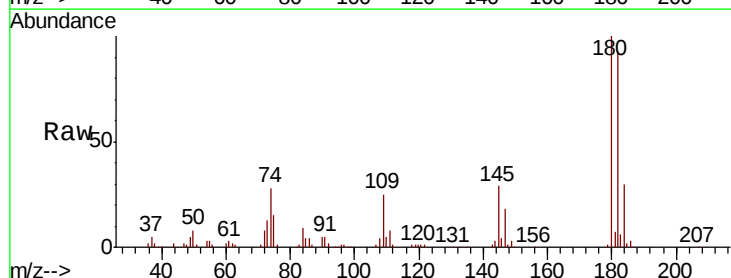


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

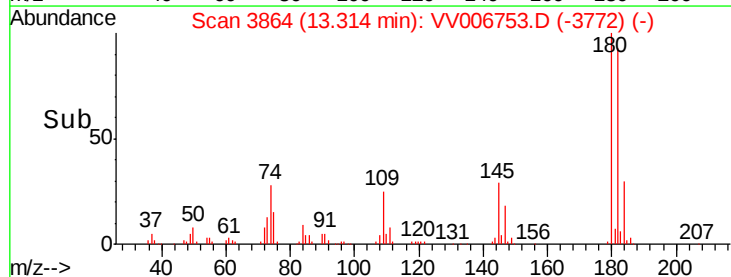
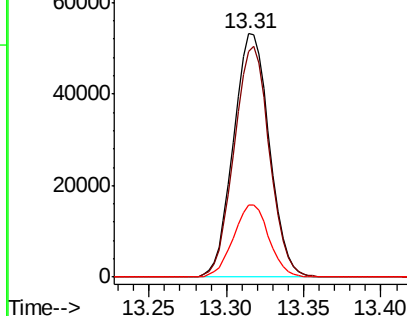


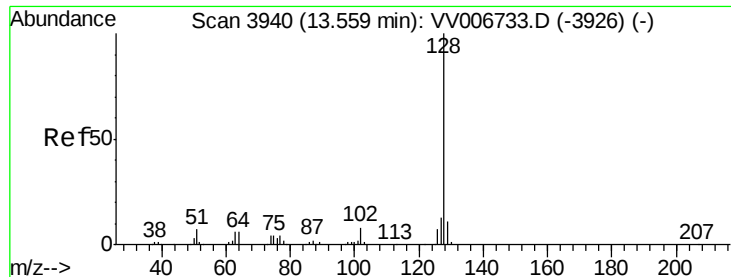
#68
 1,2,4-trichlorobenzene
 Concen: 4.528 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV006753.D
 Acq: 28 Jul 2018 04:05

Tgt Ion:180 Resp: 85704
 Ion Ratio Lower Upper
 180 100
 182 93.2 76.2 114.4
 145 29.2 23.4 35.0



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: 4.790 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

Instrument :

MSVOA_V

ClientSampleId :

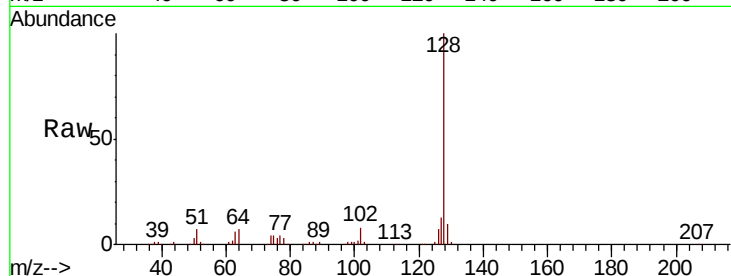
Tot Ion:128 Resp: 155159

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

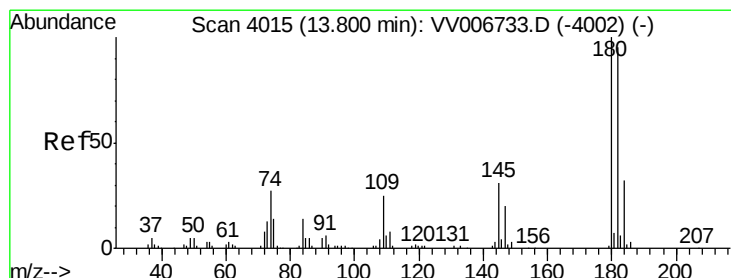
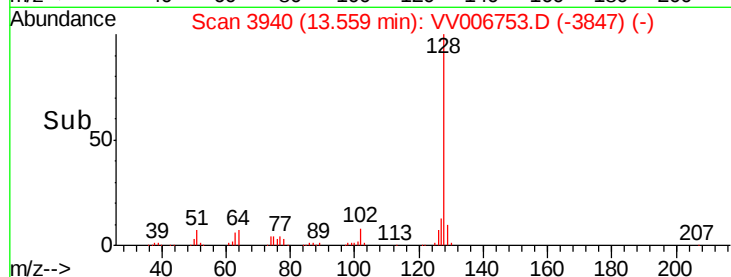
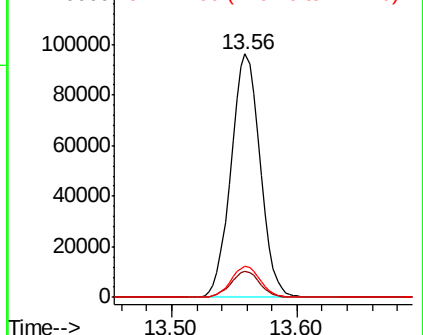
127 12.7 10.3 15.5



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: 4.729 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006753.D

Acq: 28 Jul 2018 04:05

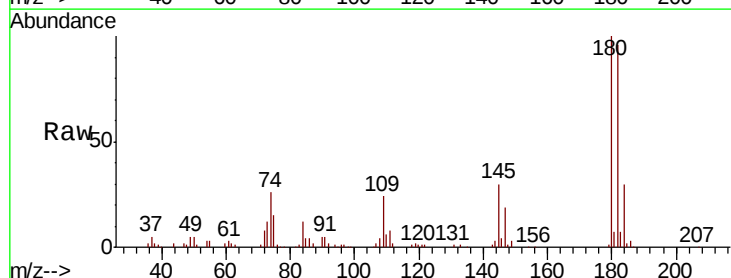
Tgt Ion:180 Resp: 84710

Ion Ratio Lower Upper

180 100

182 96.4 75.3 112.9

145 31.1 24.5 36.7



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

