

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072318\
 Data File : VV006697.D
 Acq On : 23 Jul 2018 13:45
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

Quant Time: Jul 24 02:05:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 24 02:05:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	256310	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	236864	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	104035	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13788	1.03	ug/L	0.00
7) Chloroethane-d5	1.58	69	10798	1.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	25906	0.99	ug/L	0.00
20) 2-Butanone-d5	3.95	46	42314	10.15	ug/L	0.00
24) Chloroform-d	4.41	84	25417	1.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	12363	1.01	ug/L	0.00
32) Benzene-d6	5.10	84	48723	1.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	17025	1.04	ug/L	0.00
41) Toluene-d8	7.36	98	40945	0.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4989	0.93	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	29879	8.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	13684	1.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	15791	1.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	18871	0.926 ug/L	# 75
3) Chloromethane	1.26	50	16934	0.865 ug/L	96
5) Vinyl chloride	1.32	62	23770	0.969 ug/L	# 68
6) Bromomethane	1.52	94	6057	1.009 ug/L	99
8) Chloroethane	1.59	64	13582	1.012 ug/L	93
9) Trichlorofluoromethane	1.77	101	27021	0.960 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	16631	0.970 ug/L	98
12) 1,1-Dichloroethene	2.14	96	16501	0.983 ug/L	96
13) Acetone	2.19	43	26673	10.058 ug/L	99
14) Carbon disulfide	2.32	76	55194	0.978 ug/L	99
15) Methyl Acetate	2.46	43	7817	0.994 ug/L	100
16) Methylene chloride	2.54	84	19971	1.038 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	40363	0.980 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	17838	0.978 ug/L	99
19) 1,1-Dichloroethane	3.23	63	33002	0.984 ug/L	100
21) 2-Butanone	4.04	43	42594	9.589 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	18295	0.962 ug/L	98
23) Bromochloromethane	4.31	128	7520	0.961 ug/L	96
25) Chloroform	4.43	83	30579	0.971 ug/L	99
27) 1,2-Dichloroethane	5.19	62	18140	0.982 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	24527	0.962 ug/L	99
30) Cyclohexane	4.72	56	26027	0.912 ug/L	99
31) Carbon tetrachloride	4.88	117	20261	0.930 ug/L	99
33) Benzene	5.15	78	68073	0.956 ug/L	100
34) Trichloroethene	5.96	95	17475	0.972 ug/L	98
35) Methylcyclohexane	6.18	83	26418	0.880 ug/L	98
37) 1,2-Dichloropropane	6.23	63	17728	0.970 ug/L	99
38) Bromodichloromethane	6.56	83	19137	0.937 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	21823	0.916 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	94160	9.370 ug/L	98

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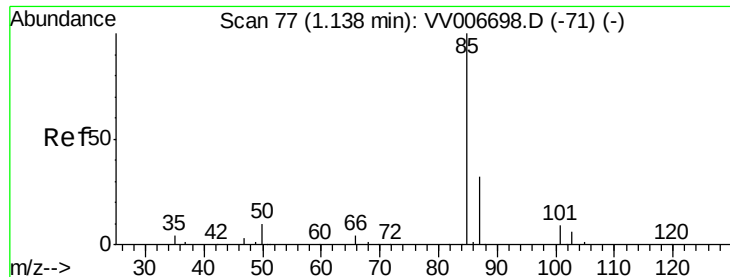
Instrument :
 MSVOA_V
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	68333	0.932	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	16804	0.897	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	12067	0.980	ug/L	98
47) Tetrachloroethene	8.02	164	13457	0.943	ug/L	97
48) 2-Hexanone	8.19	43	65469	9.337	ug/L	97
49) Dibromochloromethane	8.30	129	12060	0.926	ug/L	96
50) 1,2-Dibromoethane	8.40	107	10479	0.952	ug/L #	99
51) Chlorobenzene	8.93	112	45470	0.953	ug/L	100
52) Ethylbenzene	9.06	91	69994	0.896	ug/L	99
53) m,p-xylene	9.19	106	25005	0.847	ug/L	97
54) o-xylene	9.59	106	25230	0.878	ug/L	98
55) Styrene	9.61	104	41482	0.856	ug/L	99
56) Isopropylbenzene	9.98	105	64510	0.864	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	14439	0.959	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	10430	0.969	ug/L	97
61) Bromoform	9.78	173	6136	0.970	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	31179	0.970	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	31219	0.953	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	30436	0.972	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1743	0.930	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	22916	0.933	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	17274	0.886	ug/L	99
69) Naphthalene	13.56	128	26938	0.807	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	16337	0.885	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.926 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

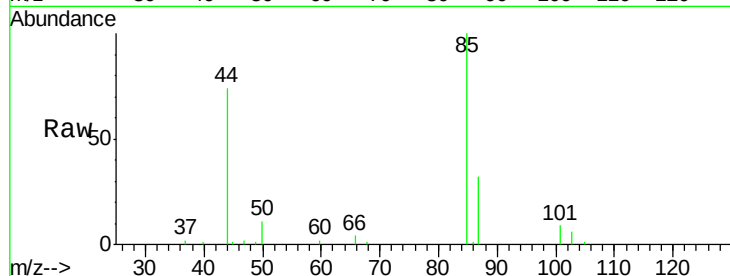
VSTD00176

Tgt Ion: 85 Resp: 18871

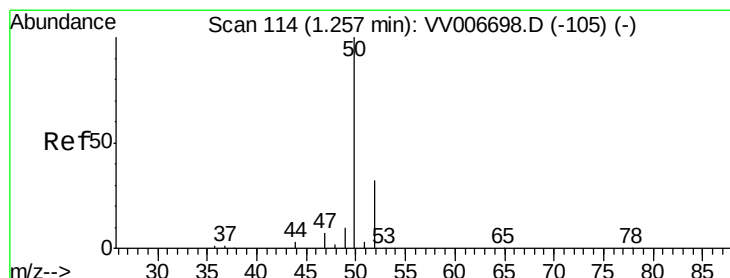
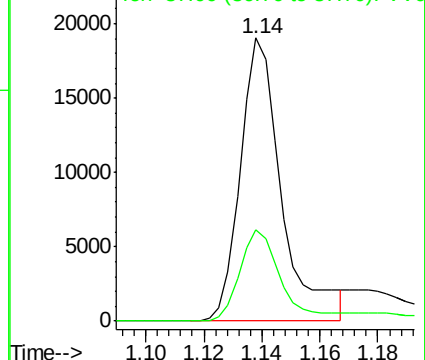
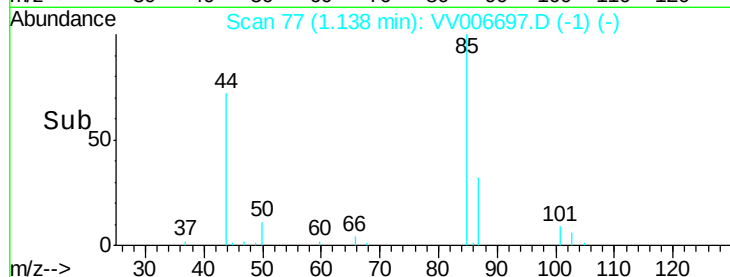
Ion Ratio Lower Upper

85 100

87 37.6 19.9 29.9#



Abundance Ion 85.00 (84.70 to 85.70): VV006697.D (-1) (-)



#3

Chloromethane

Concen: 0.865 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006697.D

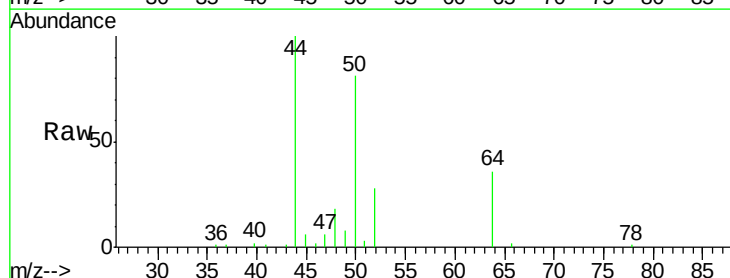
Acq: 23 Jul 2018 13:45

Tgt Ion: 50 Resp: 16934

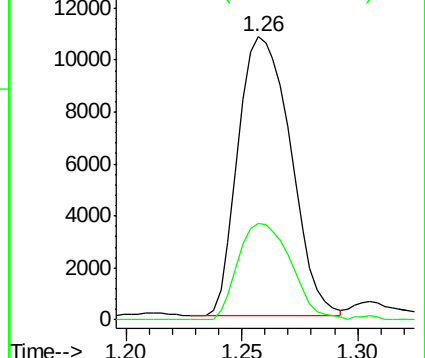
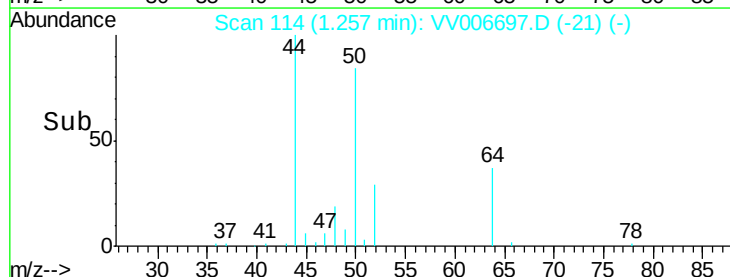
Ion Ratio Lower Upper

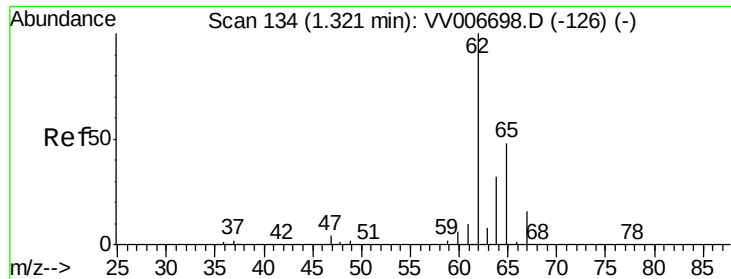
50 100

52 34.0 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV006697.D (-21) (-)





#5

Vinyl chloride

Concen: 0.969 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

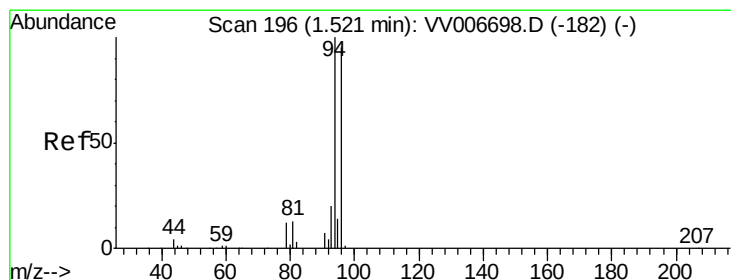
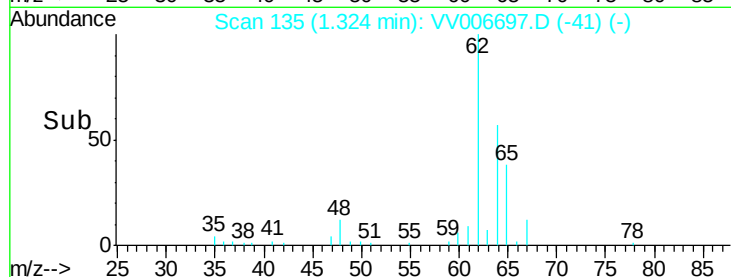
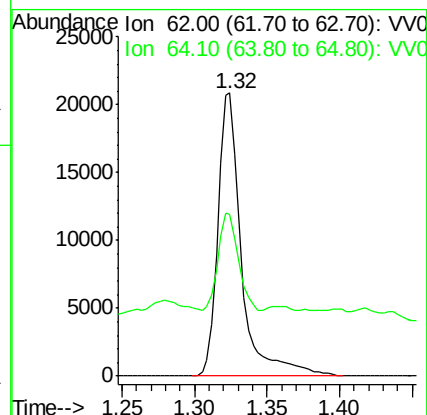
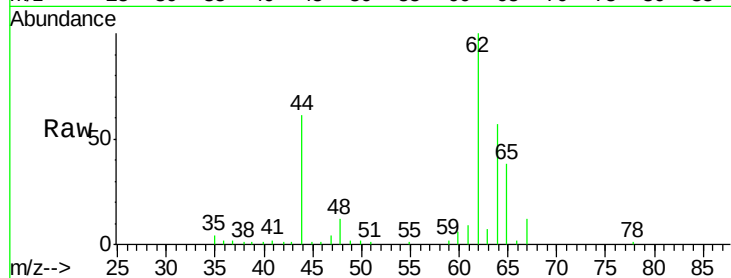
VSTD00176

Tgt Ion: 62 Resp: 23770

Ion Ratio Lower Upper

62 100

64 57.1 26.5 49.3#



#6

Bromomethane

Concen: 1.009 ug/L

RT: 1.52 min Scan# 197

Delta R.T. 0.00 min

Lab File: VV006697.D

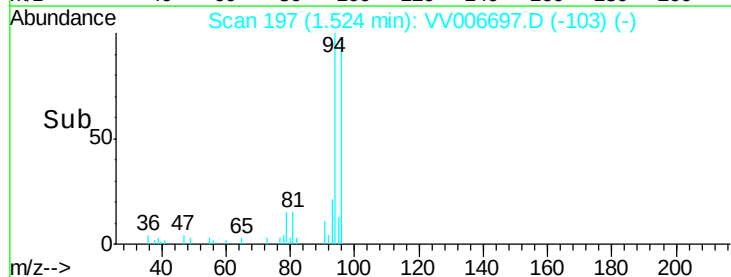
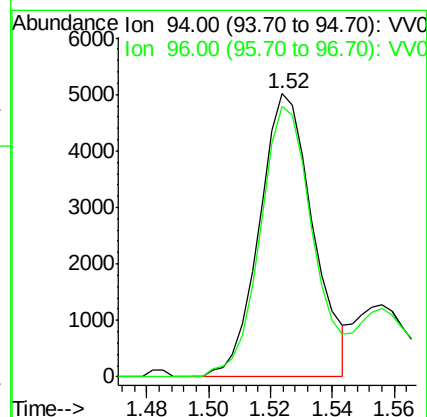
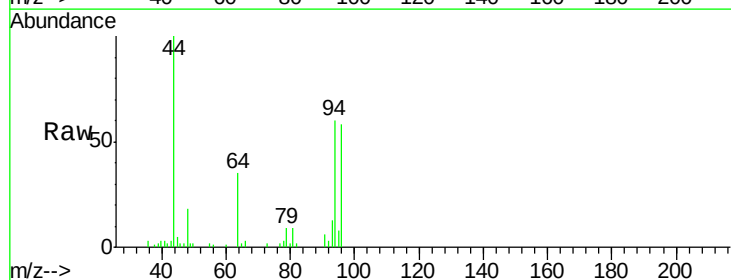
Acq: 23 Jul 2018 13:45

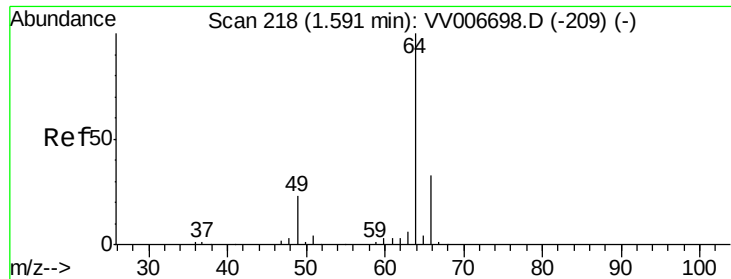
Tgt Ion: 94 Resp: 6057

Ion Ratio Lower Upper

94 100

96 95.6 66.4 123.4





#8

Chloroethane

Concen: 1.012 ug/L

RT: 1.59 min Scan# 219

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampled :

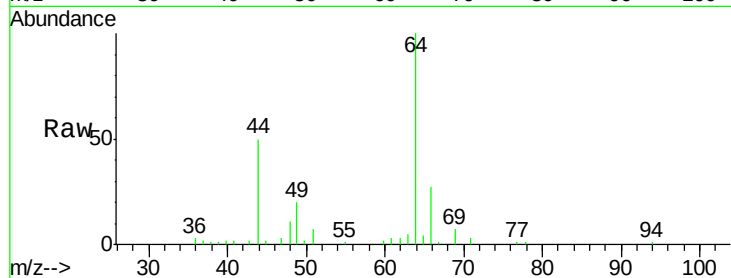
VSTD00176

Tgt Ion: 64 Resp: 13582

Ion Ratio Lower Upper

64 100

66 27.3 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV006698.D (-209) (-)

Ion 66.05 (65.75 to 66.75): VV006698.D (-209) (-)

15000

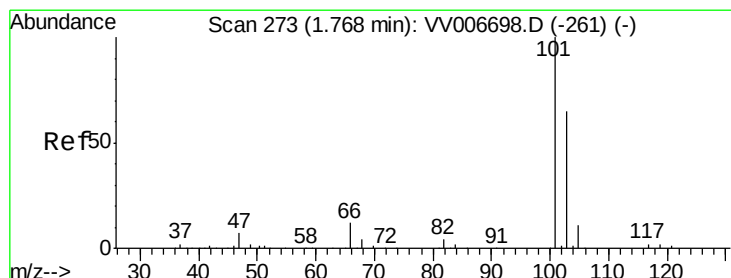
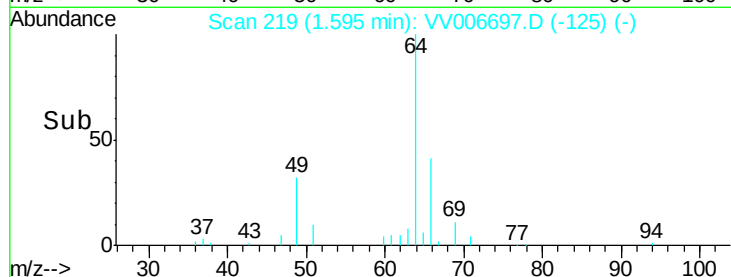
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 0.960 ug/L

RT: 1.77 min Scan# 273

Delta R.T. 0.00 min

Lab File: VV006697.D

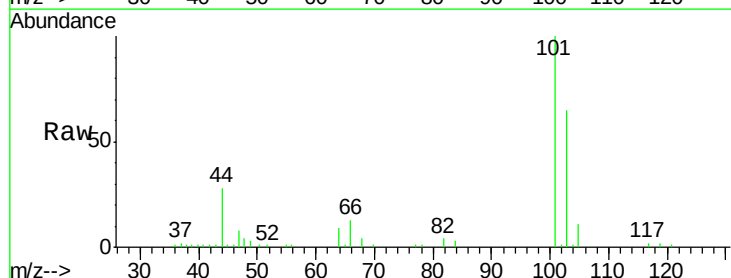
Acq: 23 Jul 2018 13:45

Tgt Ion: 101 Resp: 27021

Ion Ratio Lower Upper

101 100

103 65.3 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006698.D (-261) (-)

Ion 103.00 (102.70 to 103.70): VV006698.D (-261) (-)

25000

20000

15000

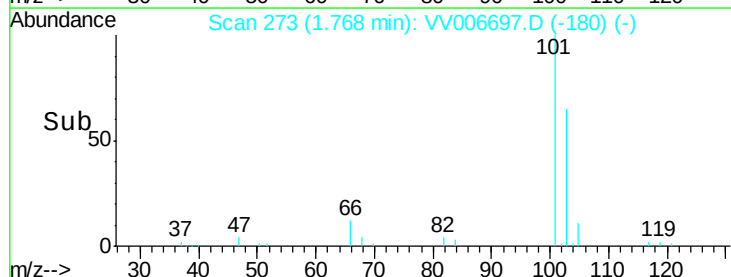
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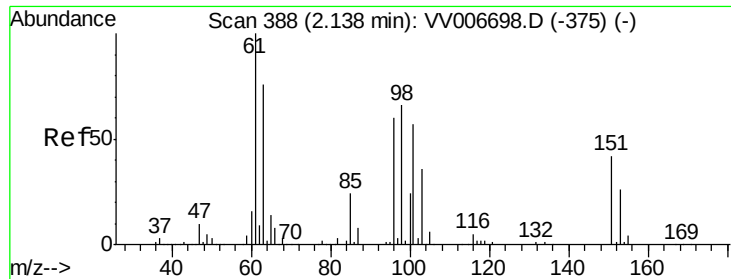
5000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 0.970 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

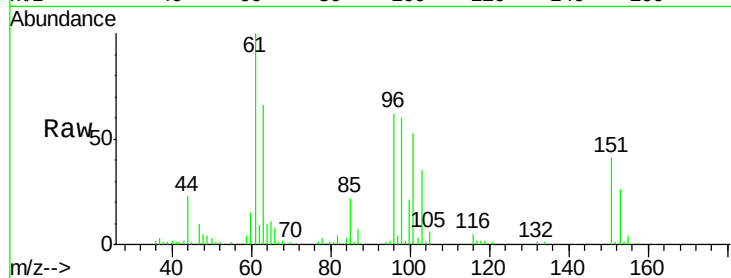
Tgt Ion: 101 Resp: 16631

Ion Ratio Lower Upper

101 100

85 42.1 33.1 49.7

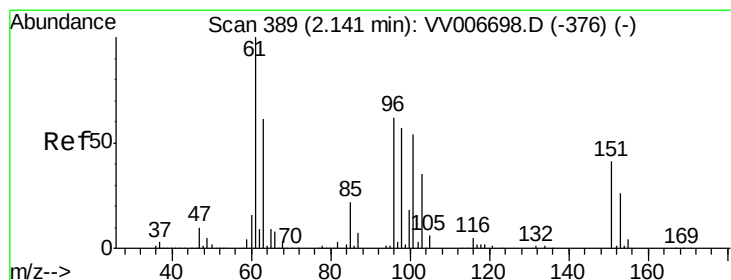
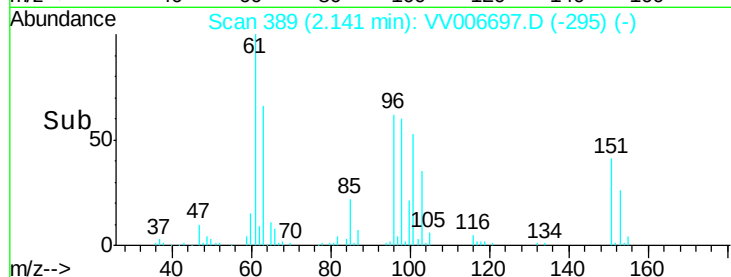
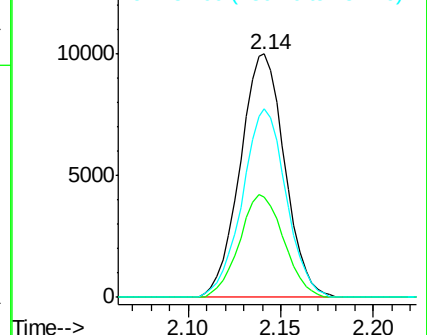
151 76.3 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.983 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

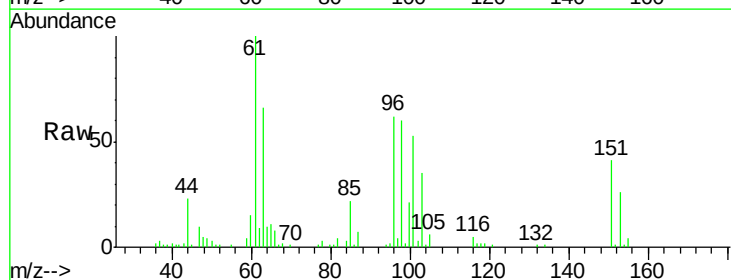
Tgt Ion: 96 Resp: 16501

Ion Ratio Lower Upper

96 100

61 160.3 113.5 210.9

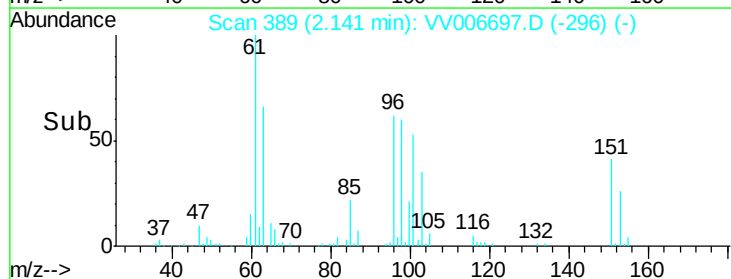
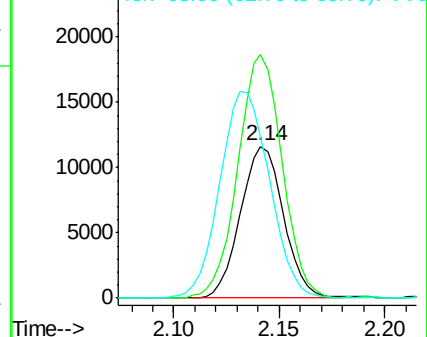
63 106.5 69.5 129.1

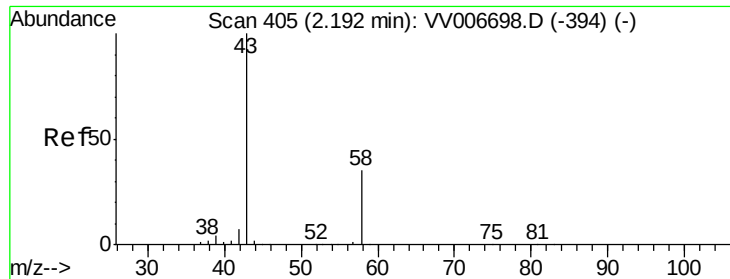


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 10.058 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

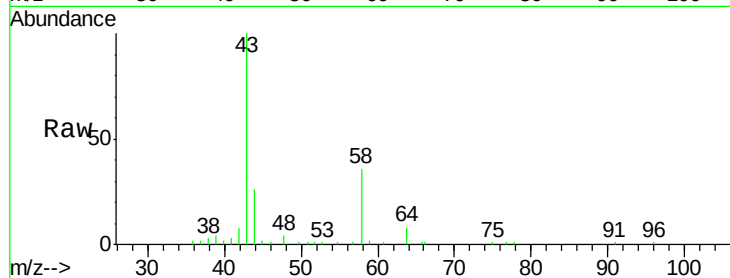
VSTD00176

Tgt Ion: 43 Resp: 26673

Ion Ratio Lower Upper

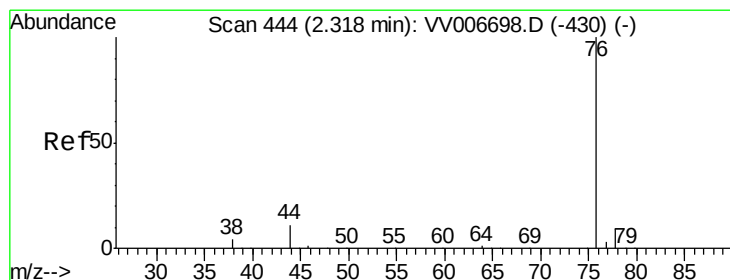
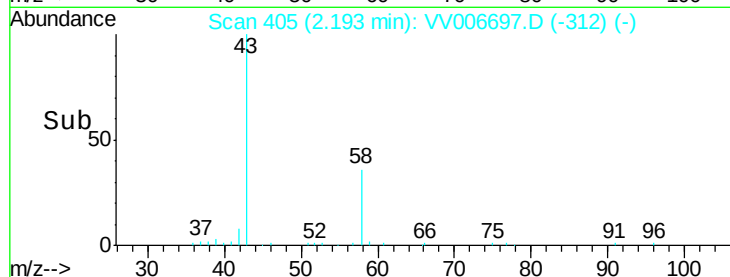
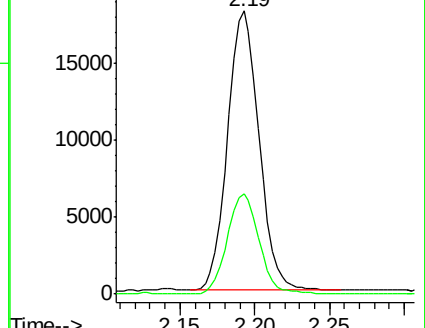
43 100

58 36.4 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006697.D (-312) (-)

Ion 58.05 (57.75 to 58.75): VV006697.D (-312) (-)



#14

Carbon disulfide

Concen: 0.978 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006697.D

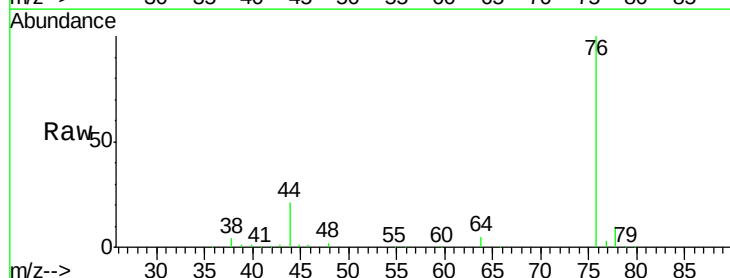
Acq: 23 Jul 2018 13:45

Tgt Ion: 76 Resp: 55194

Ion Ratio Lower Upper

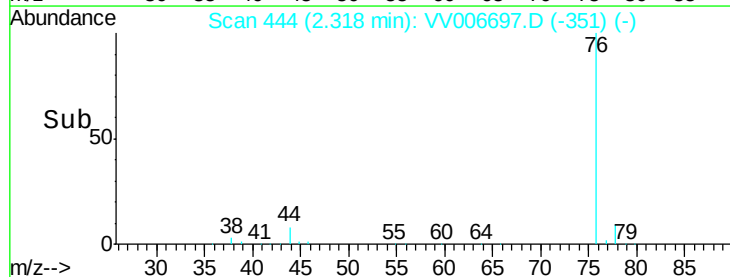
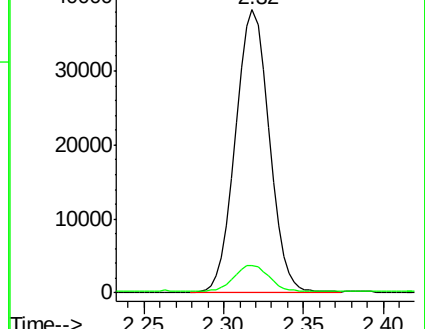
76 100

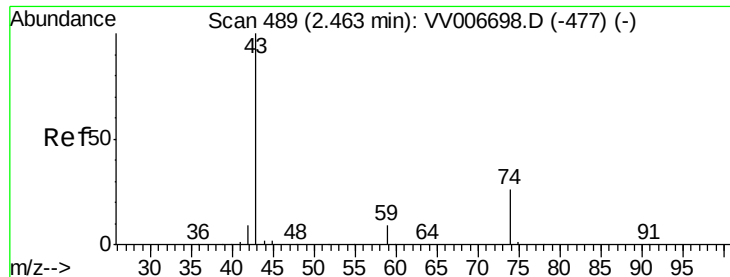
78 9.8 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV006697.D (-351) (-)

Ion 78.00 (77.70 to 78.70): VV006697.D (-351) (-)

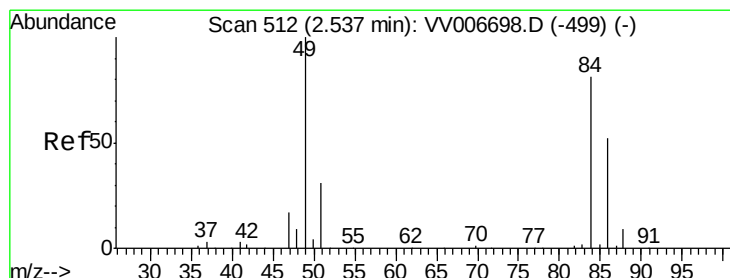
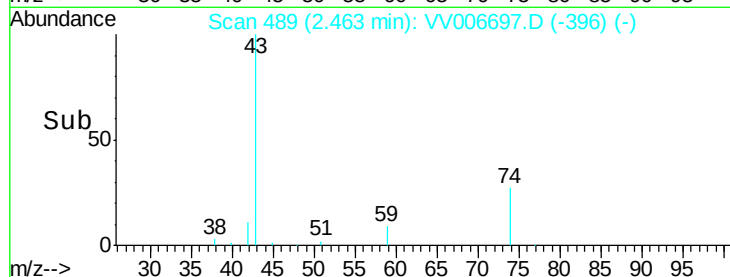
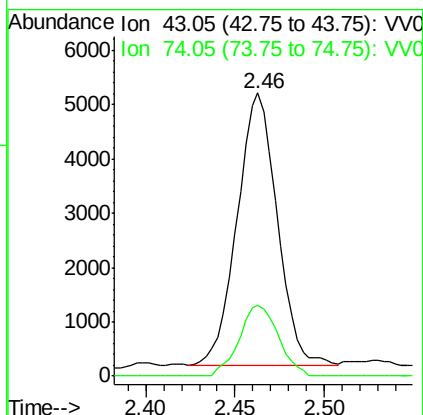
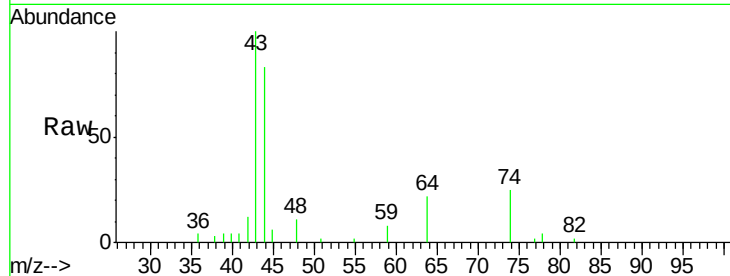




#15
Methyl Acetate
Concen: 0.994 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV006697.D
Acq: 23 Jul 2018 13:45

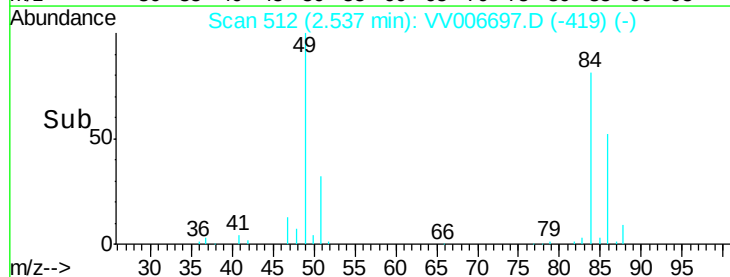
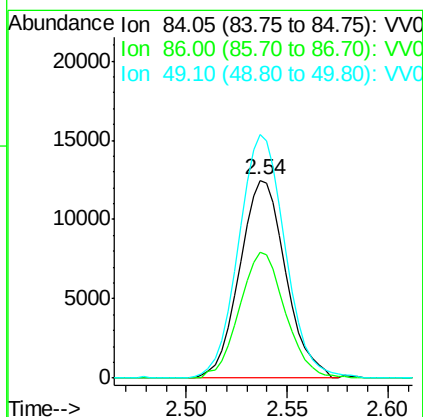
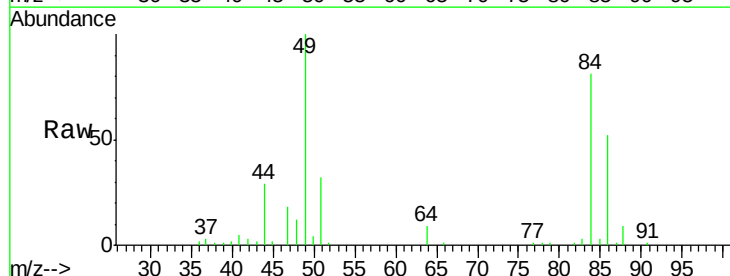
Instrument :
MSVOA_V
ClientSampled :
VSTD00176

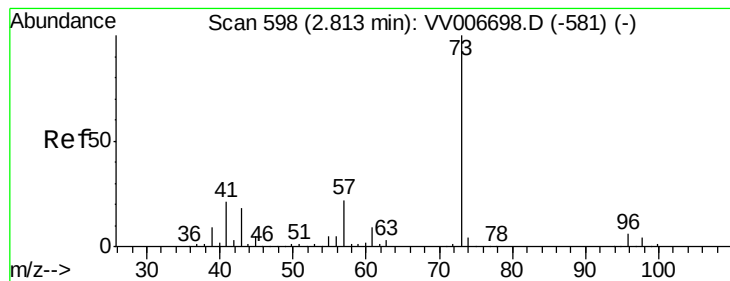
Tgt Ion: 43 Resp: 7817
Ion Ratio Lower Upper
43 100
74 25.7 20.6 31.0



#16
Methylene chloride
Concen: 1.038 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006697.D
Acq: 23 Jul 2018 13:45

Tgt Ion: 84 Resp: 19971
Ion Ratio Lower Upper
84 100
86 63.7 44.7 83.1
49 123.2 86.7 160.9





#17

Methyl tert-butyl Ether

Concen: 0.980 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

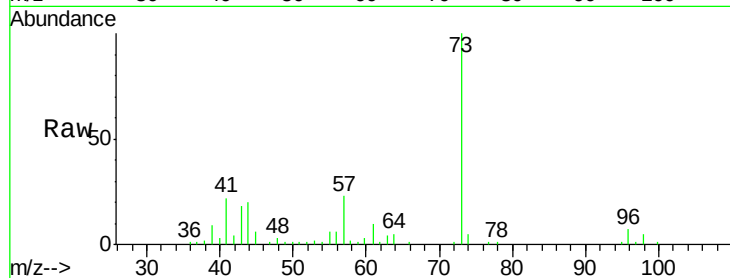
Tgt Ion: 73 Resp: 40363

Ion Ratio Lower Upper

73 100

43 17.8 14.2 21.4

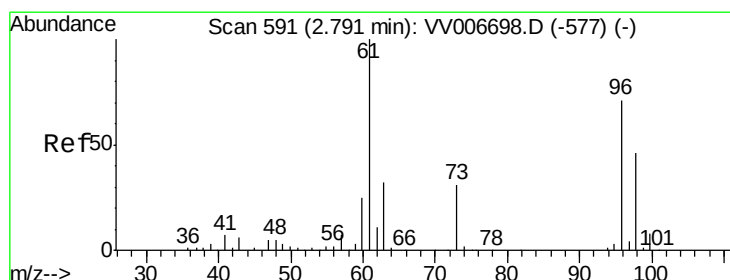
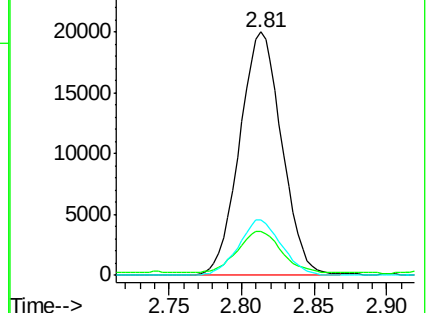
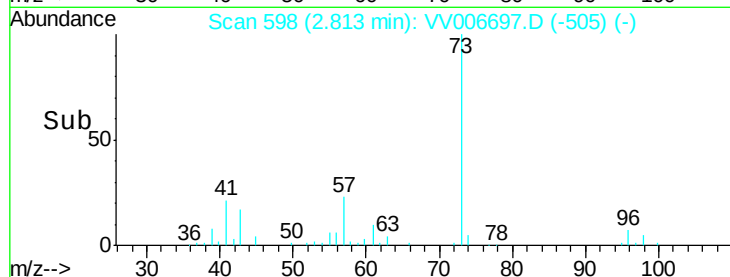
57 23.1 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VV006697.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006697.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006697.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.978 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

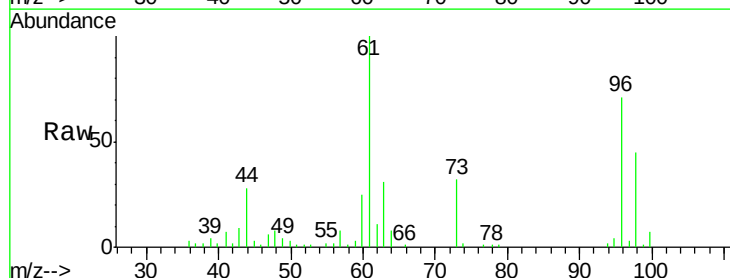
Tgt Ion: 96 Resp: 17838

Ion Ratio Lower Upper

96 100

61 140.8 98.5 182.9

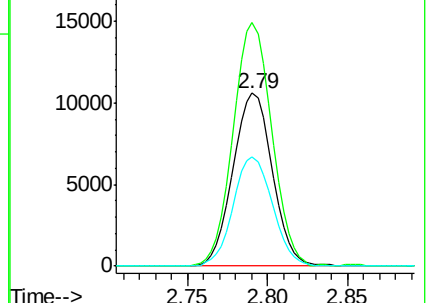
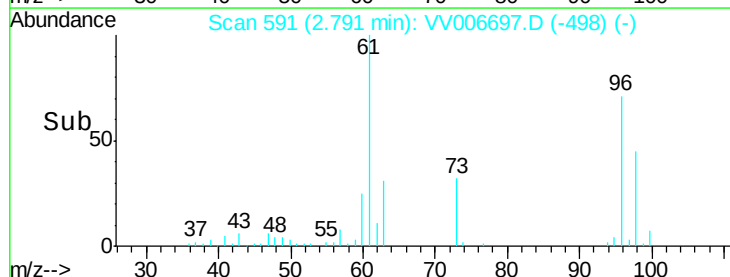
98 62.8 45.4 84.4

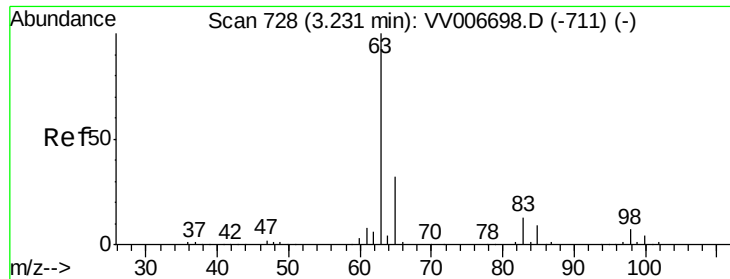


Abundance Ion 96.00 (95.70 to 96.70): VV006697.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006697.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006697.D (-498) (-)

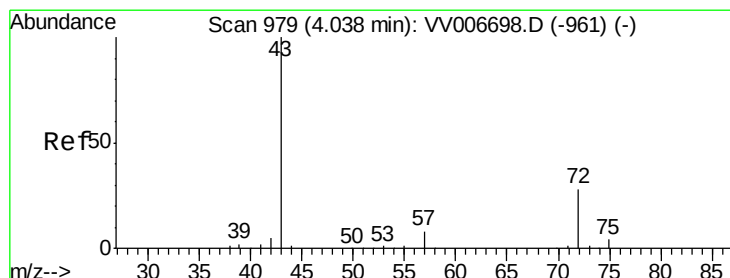
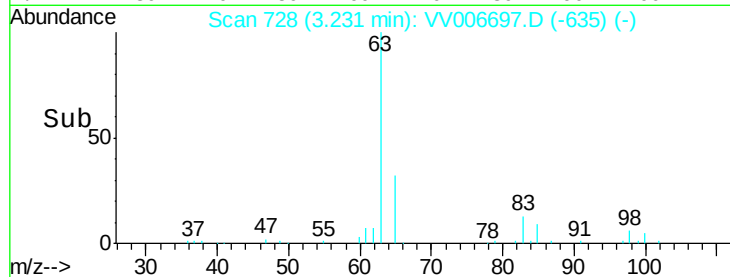
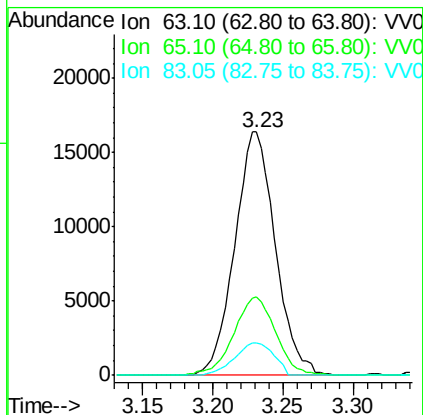
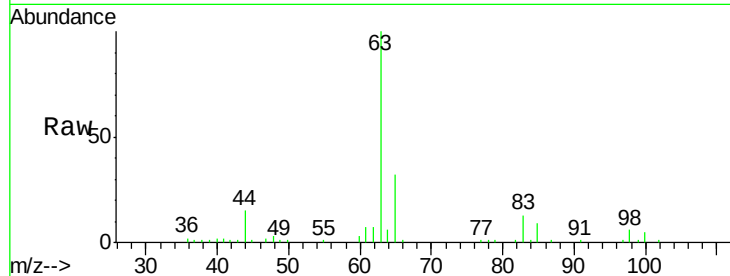




#19
 1,1-Dichloroethane
 Concen: 0.984 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

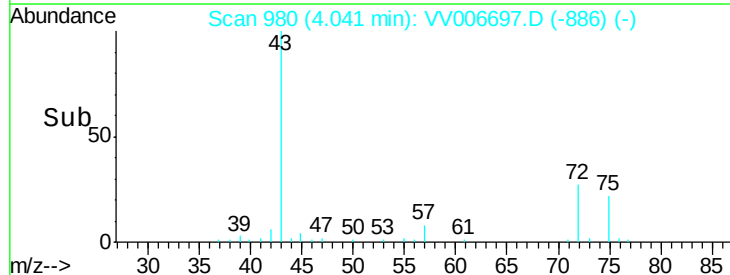
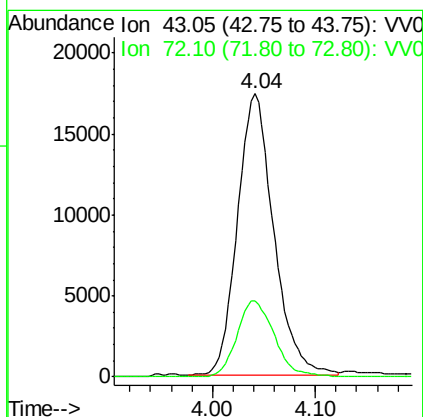
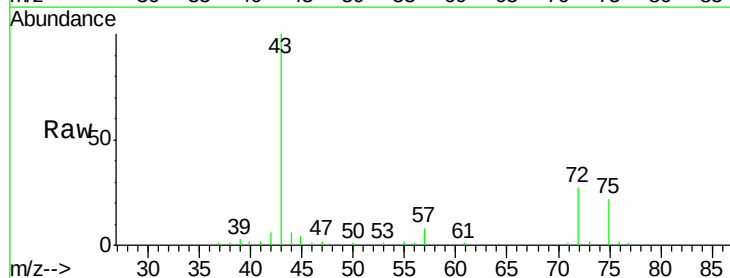
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

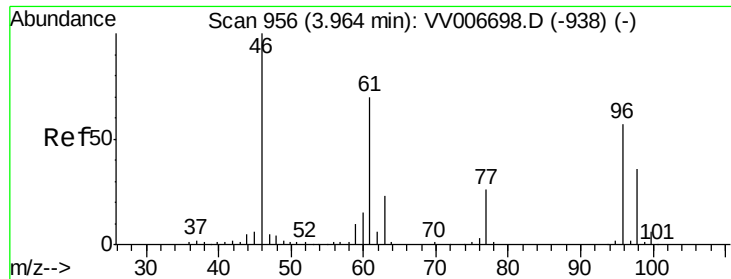
Tgt Ion: 63 Resp: 33002
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.4 41.6
 83 13.3 9.0 16.8



#21
 2-Butanone
 Concen: 9.589 ug/L
 RT: 4.04 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

Tgt Ion: 43 Resp: 42594
 Ion Ratio Lower Upper
 43 100
 72 27.9 13.8 41.4



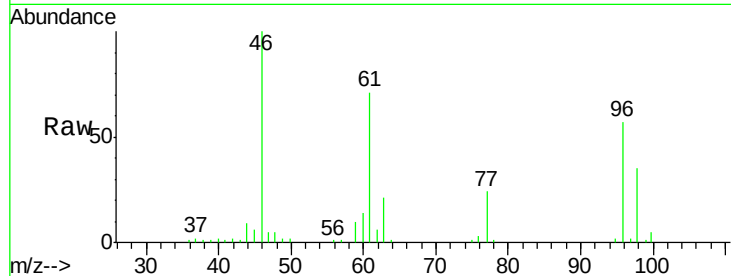


#22

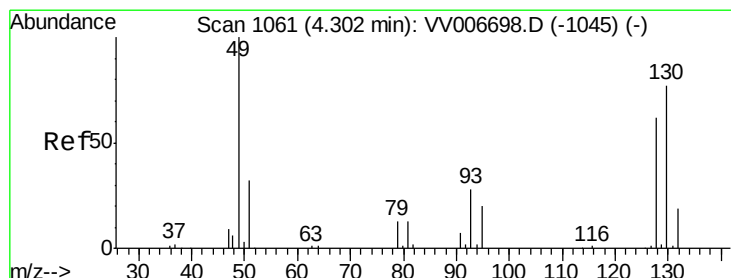
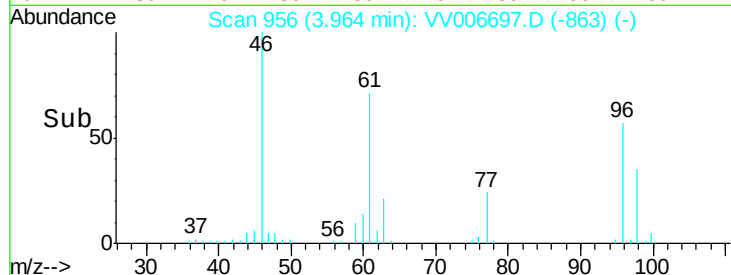
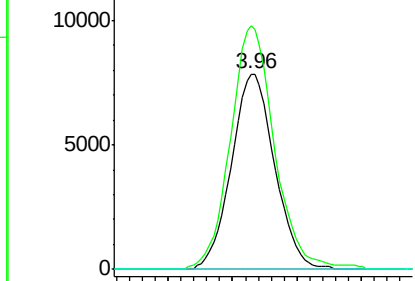
cis-1,2-Dichloroethene
Concen: 0.962 ug/L
RT: 3.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VV006697.D
Acq: 23 Jul 2018 13:45

Instrument :
MSVOA_V
ClientSampled :
VSTD00176

Tgt Ion: 96 Resp: 18295
Ion Ratio Lower Upper
96 100
61 124.5 85.5 158.9
68 0.0 0.0 0.0



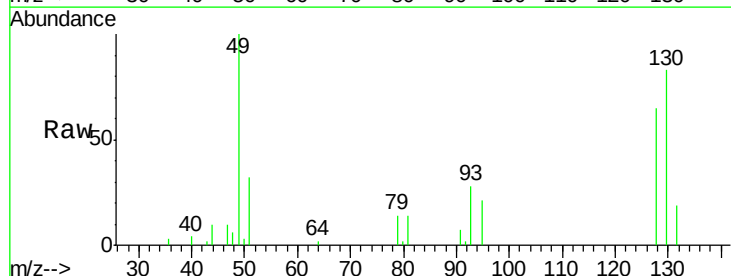
Abundance Ion 96.00 (95.70 to 96.70): VV006697.D (-968) (-)
Ion 61.05 (60.75 to 61.75): VV006697.D (-968) (-)
Ion 68.15 (67.85 to 68.85): VV006697.D (-968) (-)



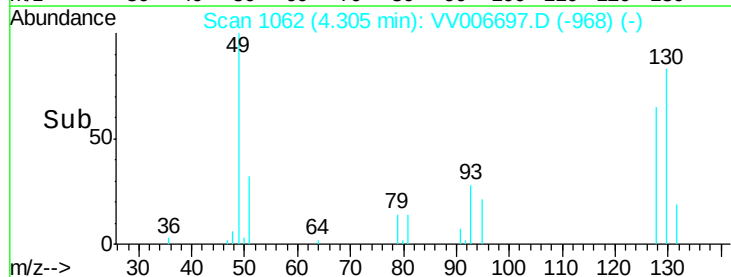
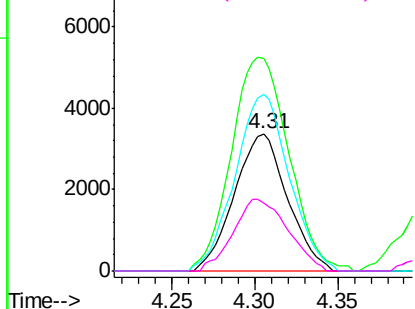
#23

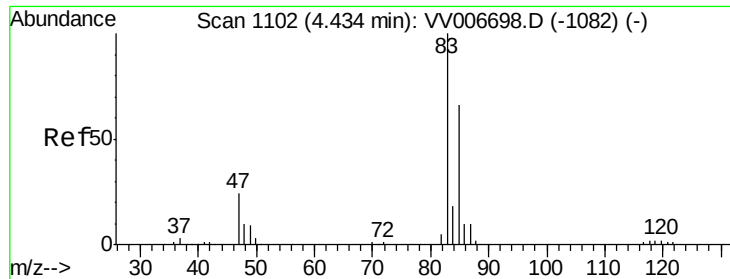
Bromochloromethane
Concen: 0.961 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006697.D
Acq: 23 Jul 2018 13:45

Tgt Ion: 128 Resp: 7520
Ion Ratio Lower Upper
128 100
49 154.6 112.6 209.0
130 128.3 87.1 161.7
51 49.6 40.9 61.3



Abundance Ion 127.90 (127.60 to 128.60): VV006697.D (-128) (-)
Ion 49.10 (48.80 to 49.80): VV006697.D (-128) (-)
Ion 129.95 (129.65 to 130.65): VV006697.D (-128) (-)
Ion 51.05 (50.75 to 51.75): VV006697.D (-128) (-)





#25

Chloroform

Concen: 0.971 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

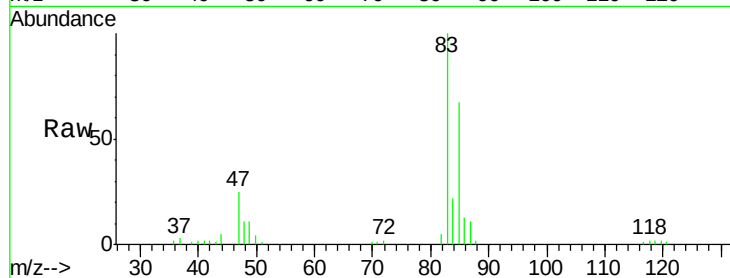
VSTD00176

Tgt Ion: 83 Resp: 30579

Ion Ratio Lower Upper

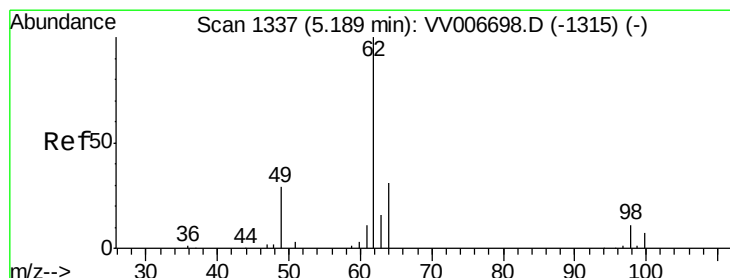
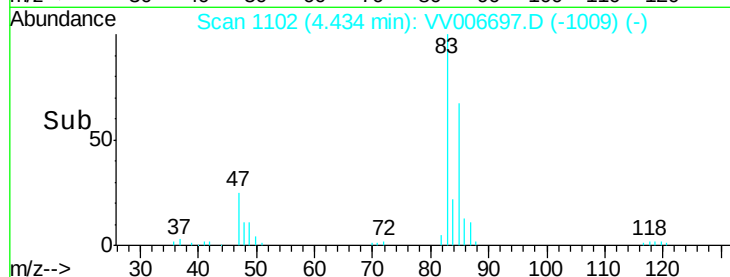
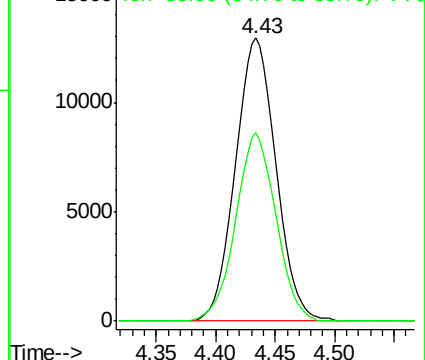
83 100

85 66.6 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV006697.D (-1009) (-)

Ion 85.00 (84.70 to 85.70): VV006697.D (-1009) (-)



#27

1,2-Dichloroethane

Concen: 0.982 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV006697.D

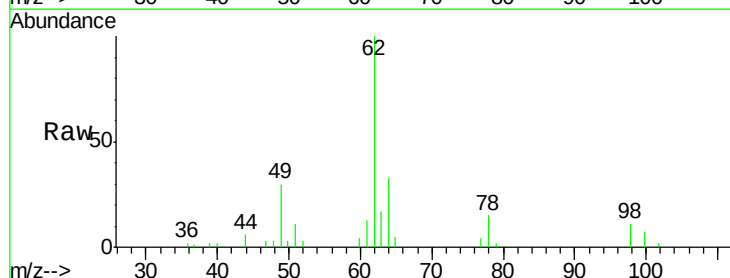
Acq: 23 Jul 2018 13:45

Tgt Ion: 62 Resp: 18140

Ion Ratio Lower Upper

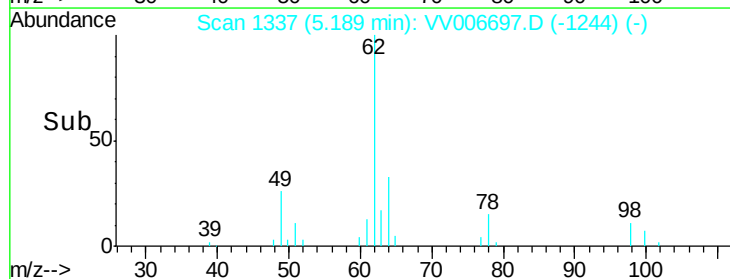
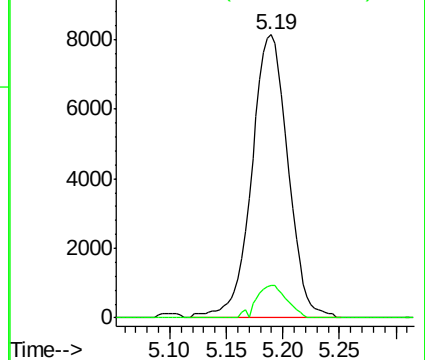
62 100

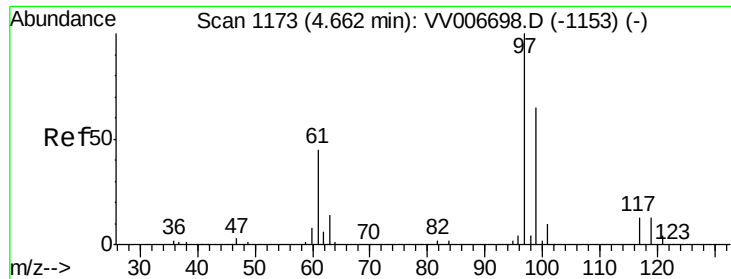
98 11.4 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VV006697.D (-1244) (-)

Ion 98.05 (97.75 to 98.75): VV006697.D (-1244) (-)

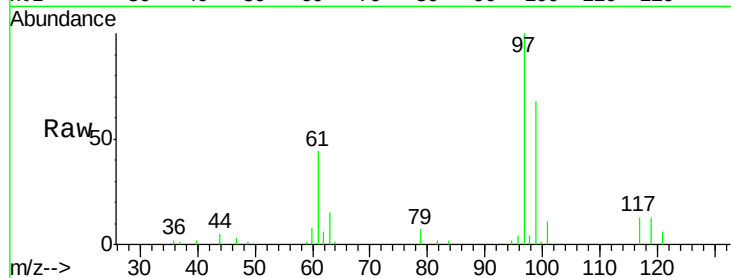




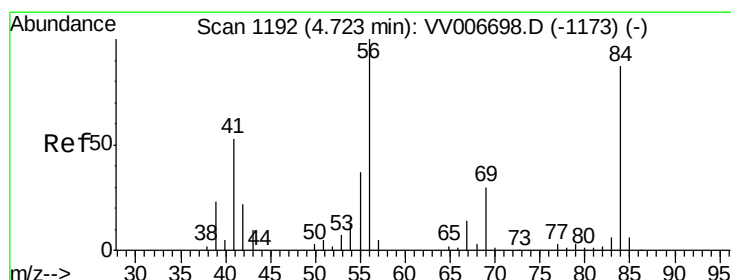
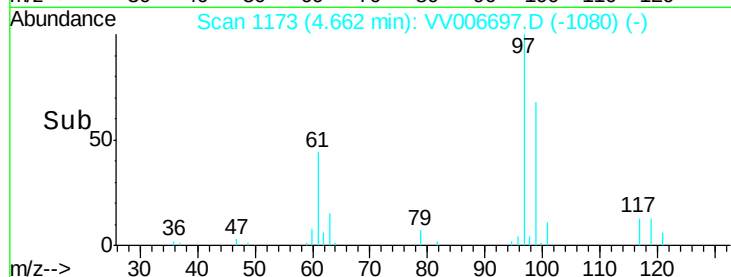
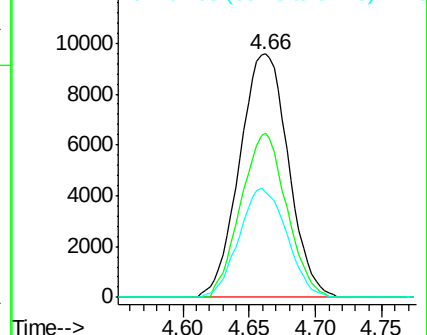
#29
1,1,1-Trichloroethane
Concen: 0.962 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV006697.D
Acq: 23 Jul 2018 13:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00176

Tgt Ion: 97 Resp: 24527
Ion Ratio Lower Upper
97 100
99 63.4 51.7 77.5
61 43.7 34.9 52.3

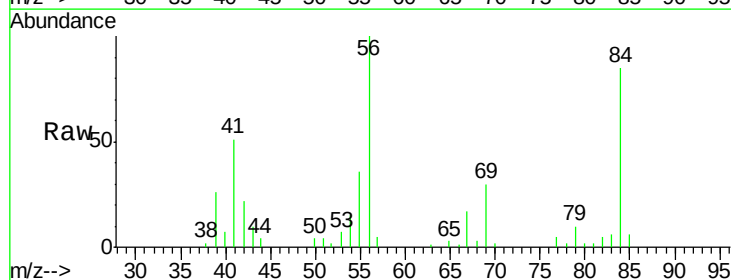


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

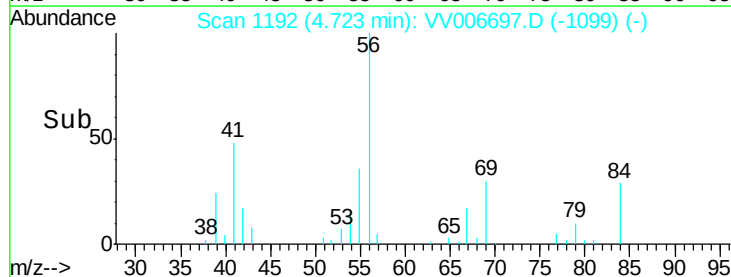
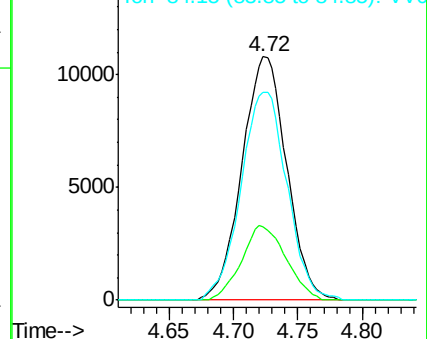


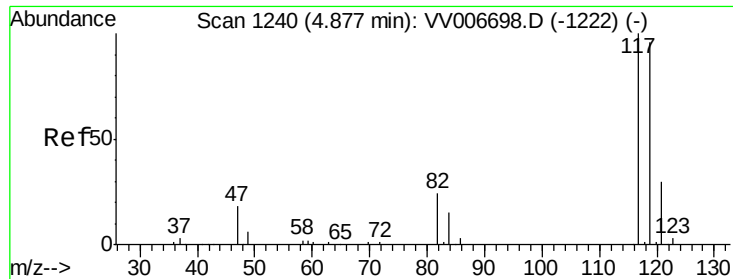
#30
Cyclohexane
Concen: 0.912 ug/L
RT: 4.72 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VV006697.D
Acq: 23 Jul 2018 13:45

Tgt Ion: 56 Resp: 26027
Ion Ratio Lower Upper
56 100
69 30.4 24.6 36.8
84 88.2 71.4 107.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.930 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

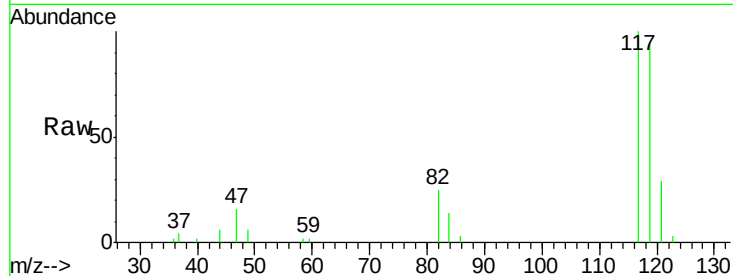
VSTD00176

Tgt Ion:117 Resp: 20261

Ion Ratio Lower Upper

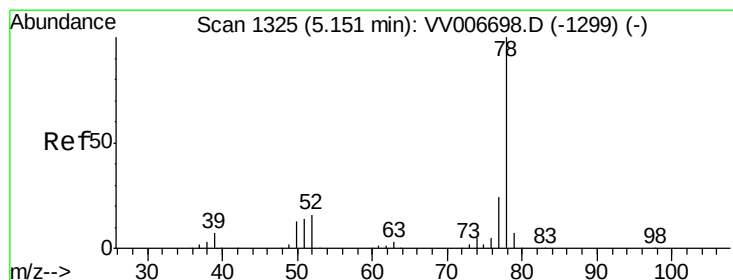
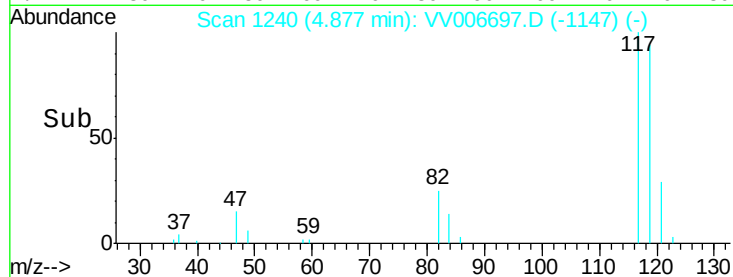
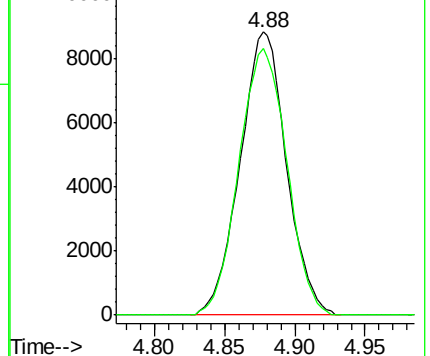
117 100

119 97.3 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: 0.956 ug/L

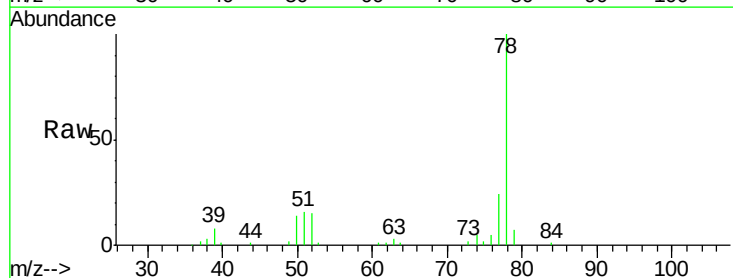
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

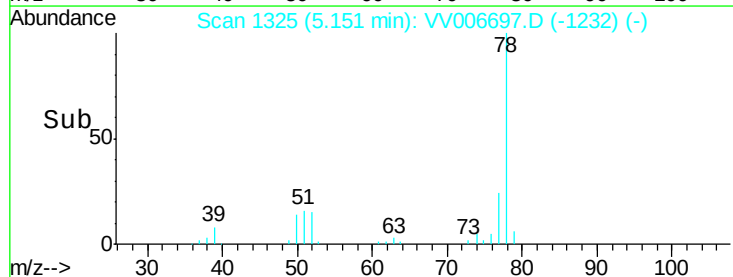
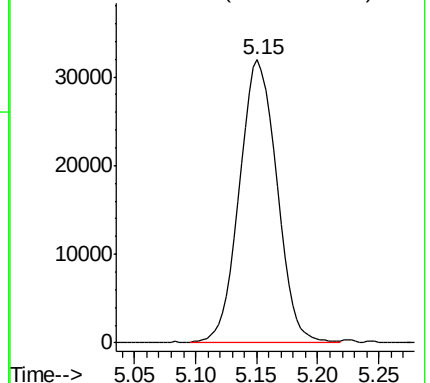
Lab File: VV006697.D

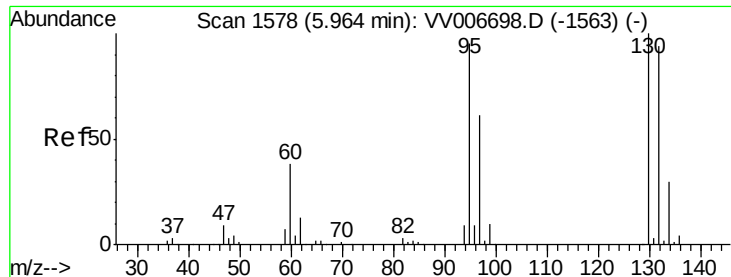
Acq: 23 Jul 2018 13:45

Tgt Ion: 78 Resp: 68073



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.972 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

Tgt Ion: 95 Resp: 17475

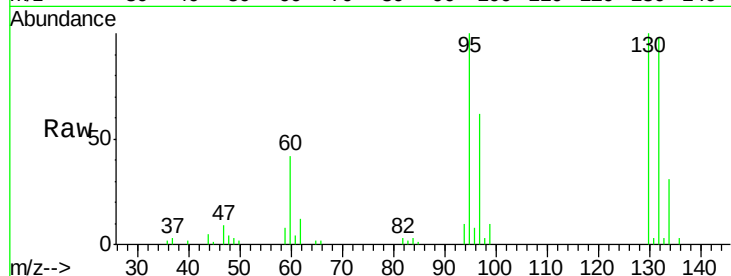
Ion Ratio Lower Upper

95 100

97 62.5 44.9 83.3

132 98.2 68.9 127.9

130 99.9 73.4 136.4

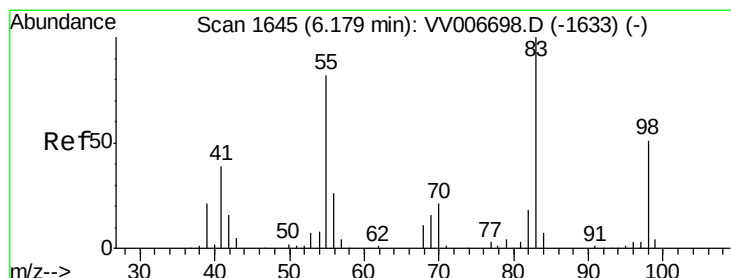
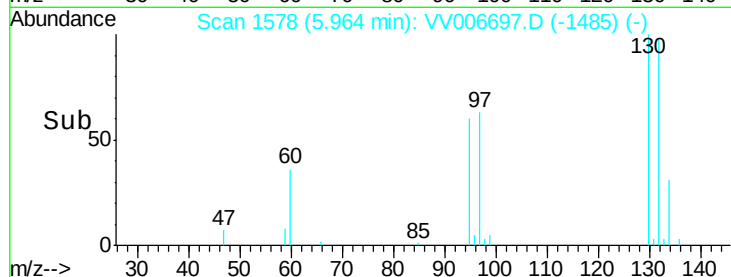
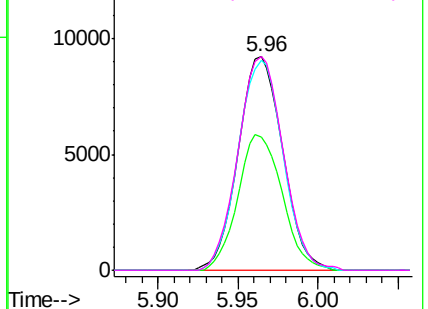


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.880 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

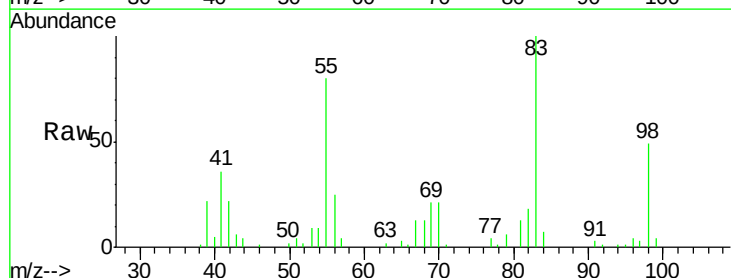
Tgt Ion: 83 Resp: 26418

Ion Ratio Lower Upper

83 100

55 80.6 61.9 92.9

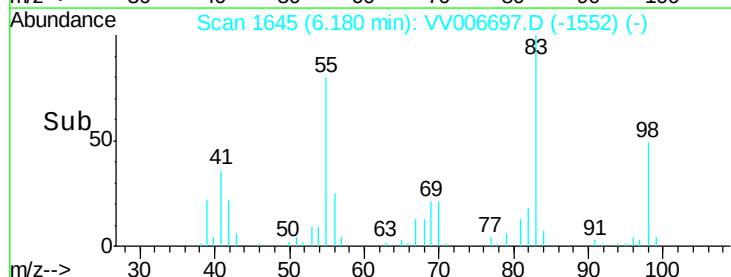
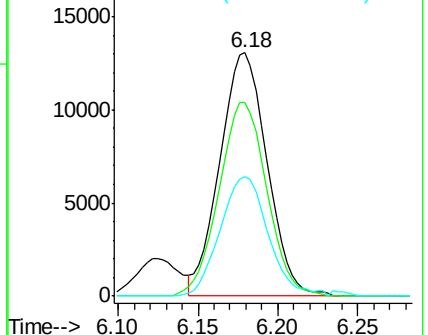
98 49.8 39.7 59.5

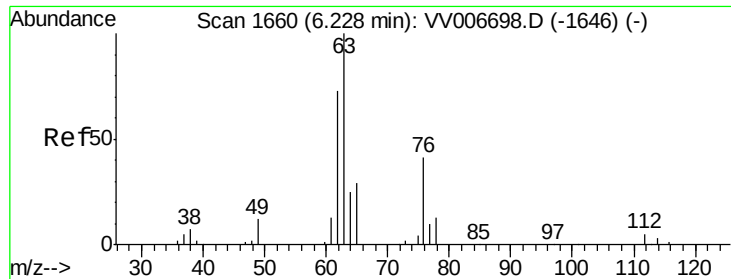


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

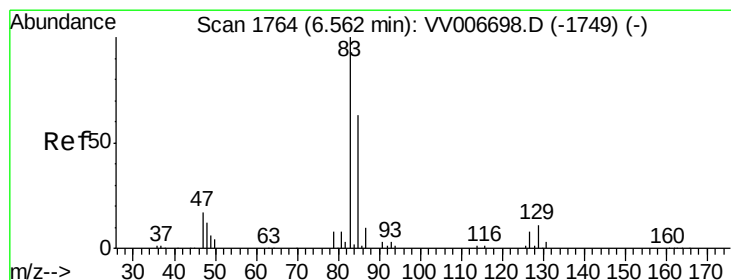
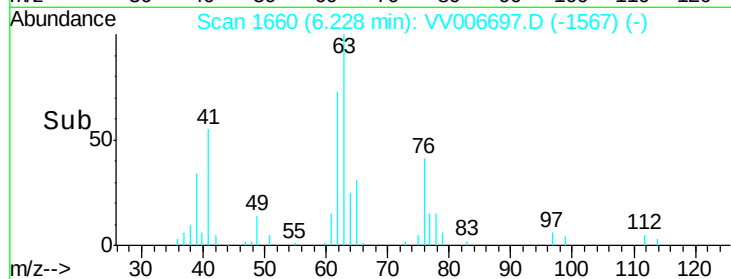
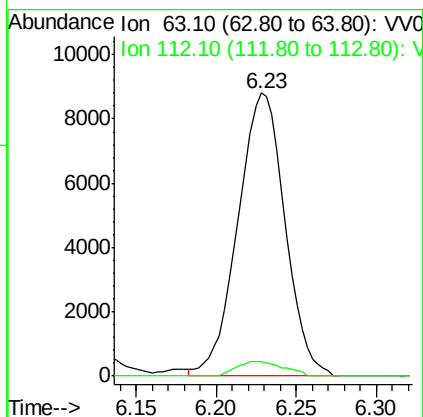
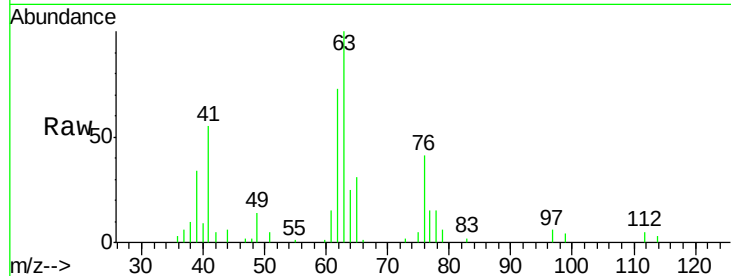




#37
 1,2-Dichloropropane
 Concen: 0.970 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

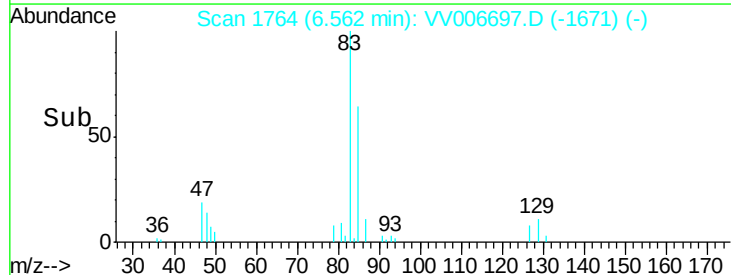
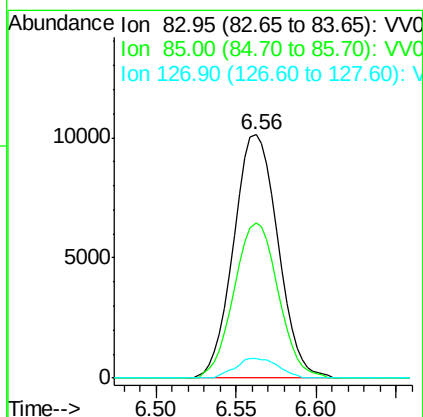
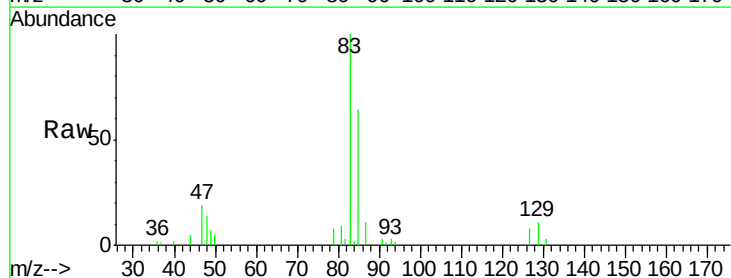
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

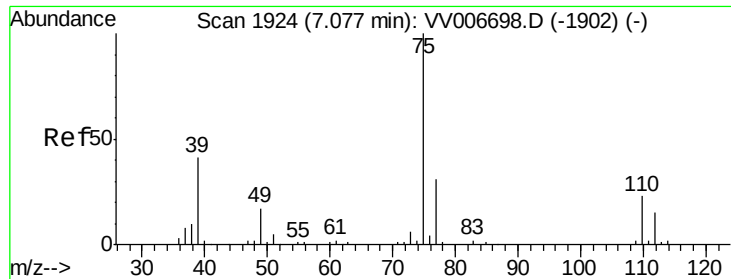
Tgt Ion: 63 Resp: 17728
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 0.937 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

Tgt Ion: 83 Resp: 19137
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.4 82.4
 127 7.9 6.6 9.8

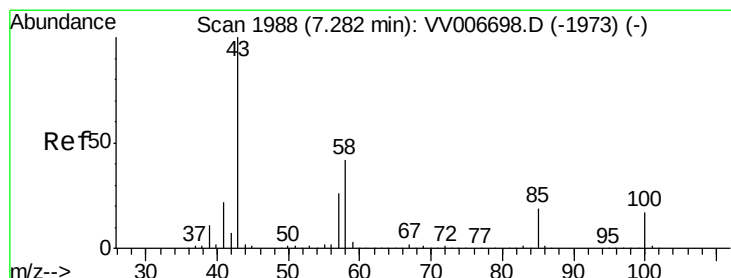
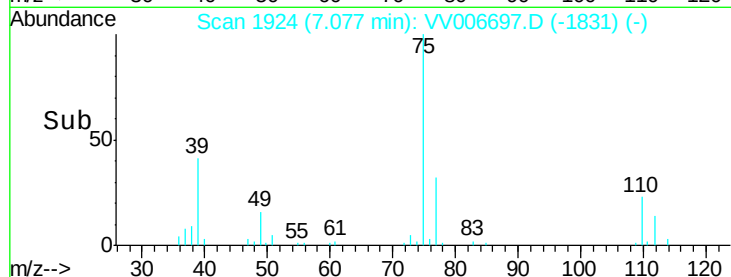
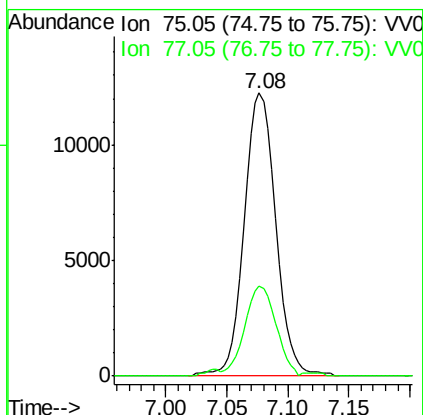
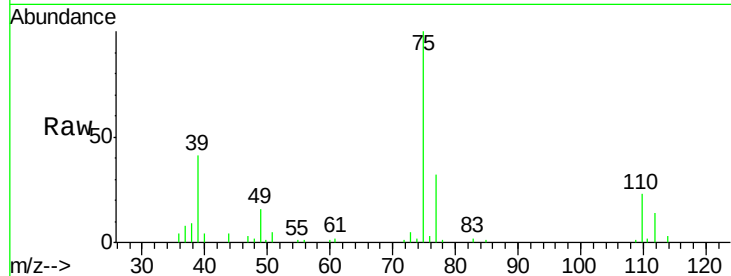




#39
 cis-1,3-Dichloropropene
 Concen: 0.916 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

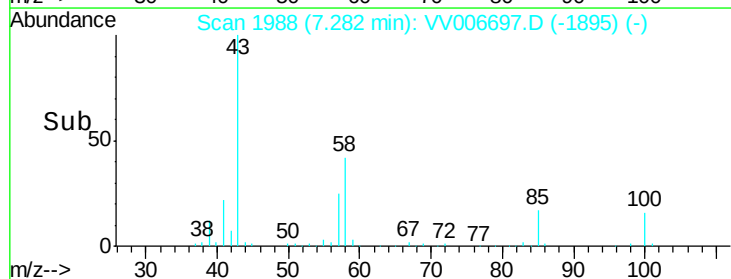
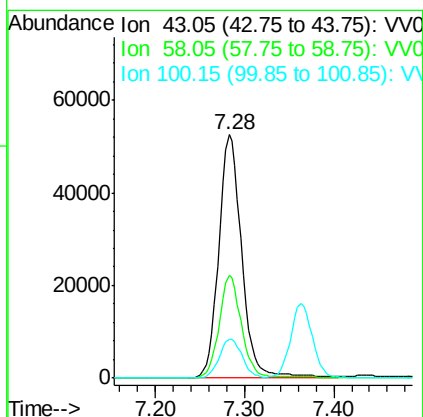
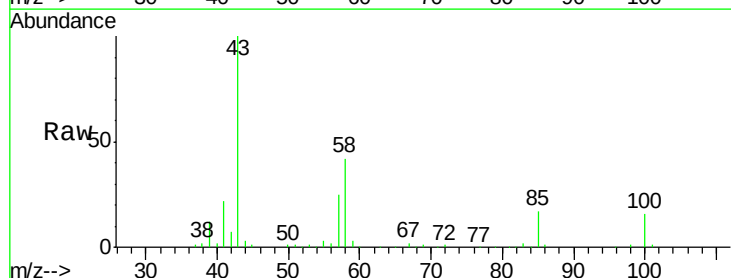
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00176

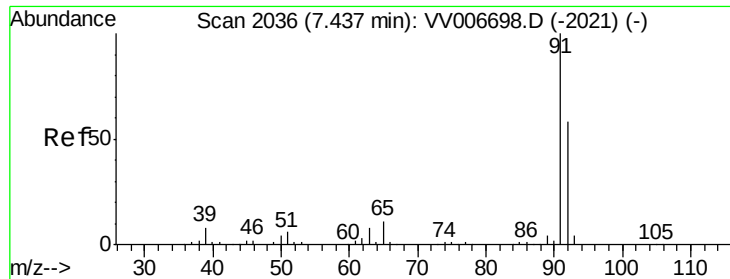
Tgt Ion: 75 Resp: 21823
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 9.370 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

Tgt Ion: 43 Resp: 94160
 Ion Ratio Lower Upper
 43 100
 58 40.5 33.4 50.0
 100 15.8 13.6 20.4





#42

Toluene

Concen: 0.932 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

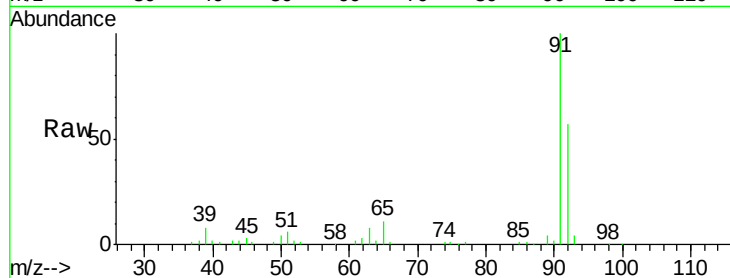
VSTD00176

Tgt Ion: 91 Resp: 68333

Ion Ratio Lower Upper

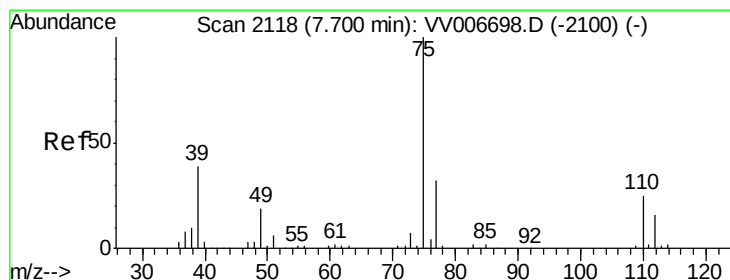
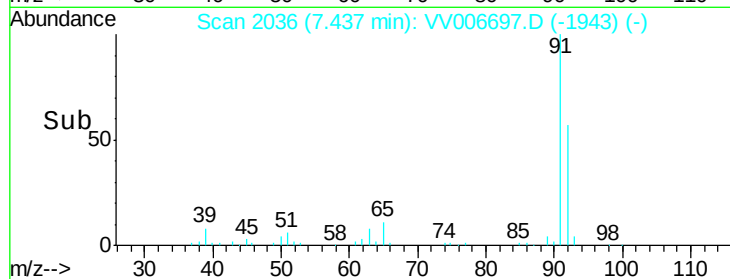
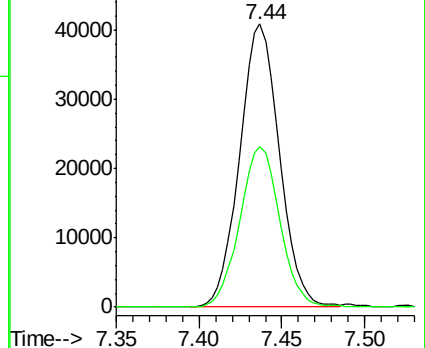
91 100

92 56.9 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.897 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006697.D

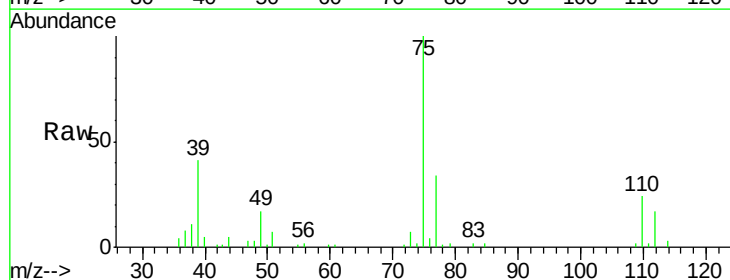
Acq: 23 Jul 2018 13:45

Tgt Ion: 75 Resp: 16804

Ion Ratio Lower Upper

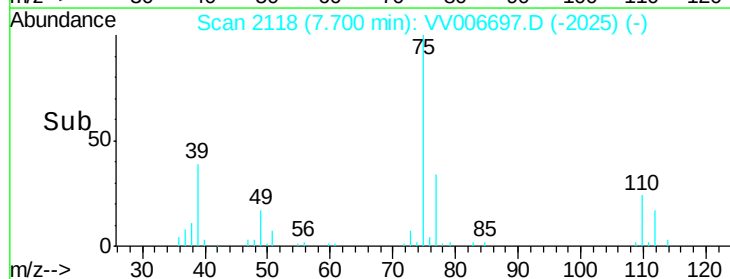
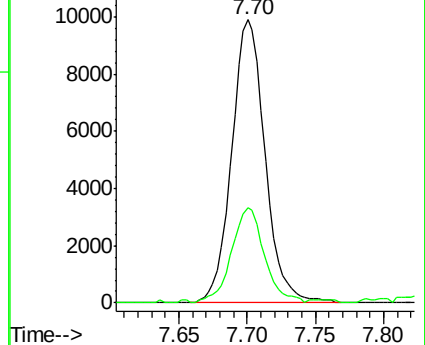
75 100

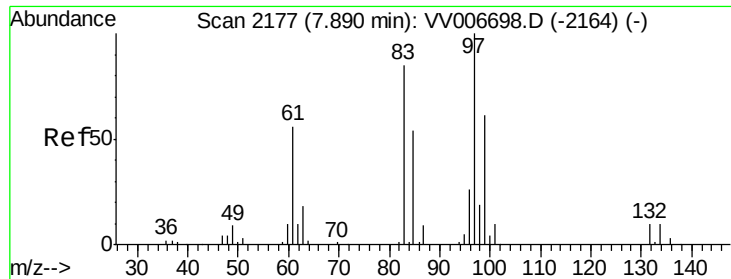
77 33.8 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

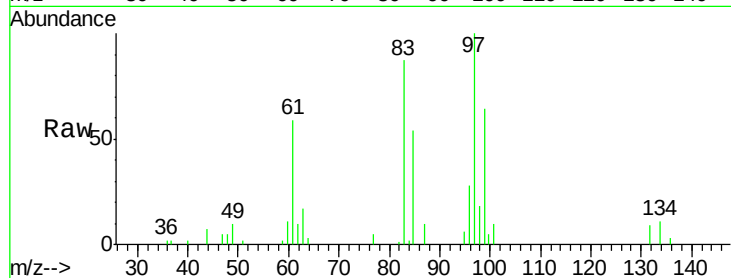




#45
 1,1,2-Trichloroethane
 Concen: 0.980 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

Tgt Ion:	97	Resp:	12067
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.0	79.8
83	86.9	59.4	110.4
85	54.3	37.5	69.7

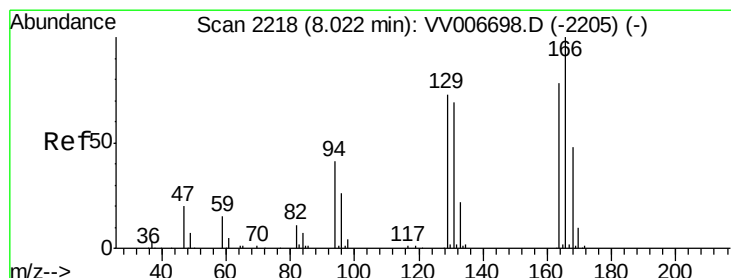
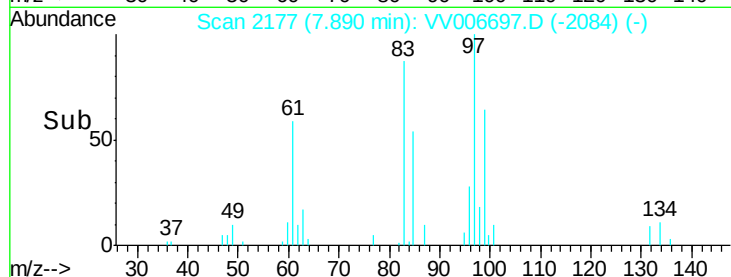
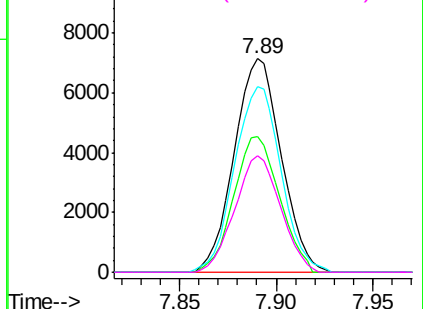


Abundance Ion 96.95 (96.65 to 97.65): VV006697.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006697.D (-2084) (-)

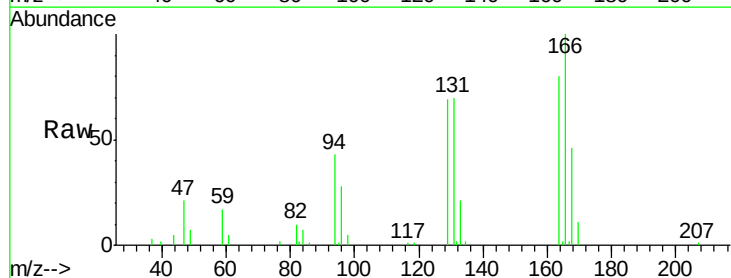
Ion 82.95 (82.65 to 83.65): VV006697.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006697.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 0.943 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

Tgt Ion:	164	Resp:	13457
Ion	Ratio	Lower	Upper
164	100		
129	87.0	65.0	120.8
131	88.3	61.9	115.1
166	125.4	89.3	165.9

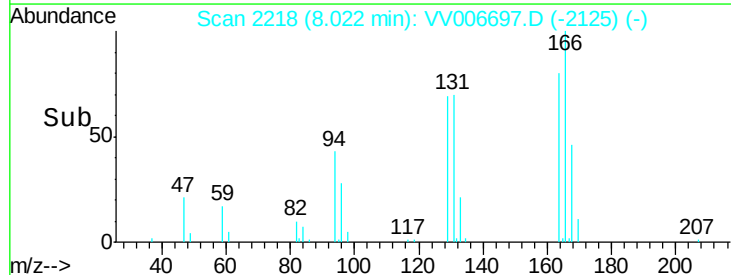
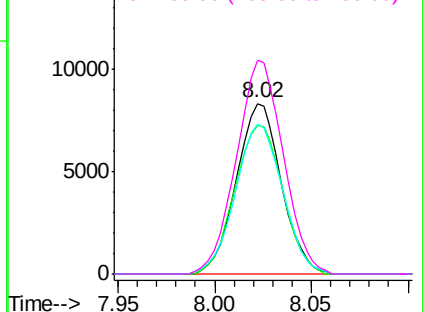


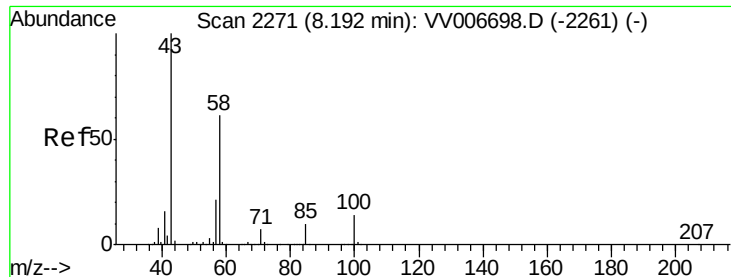
Abundance Ion 163.90 (163.60 to 164.60): VV006697.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006697.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006697.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006697.D (-2125) (-)

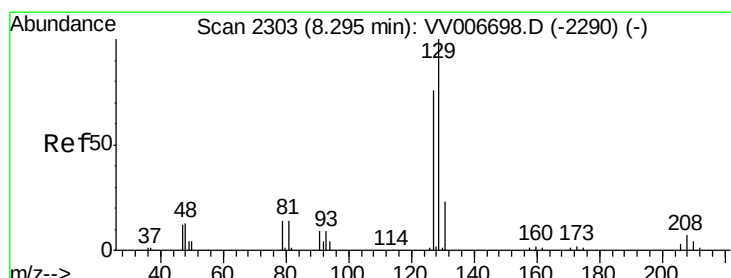
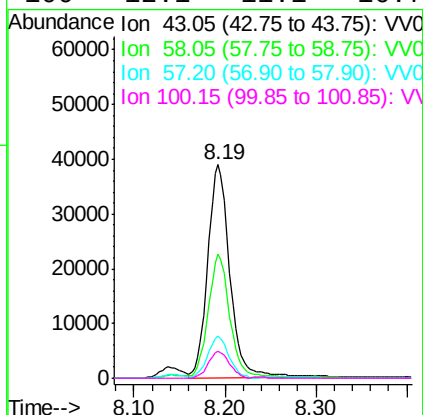
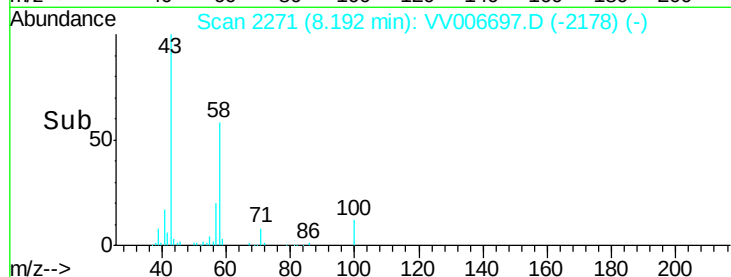
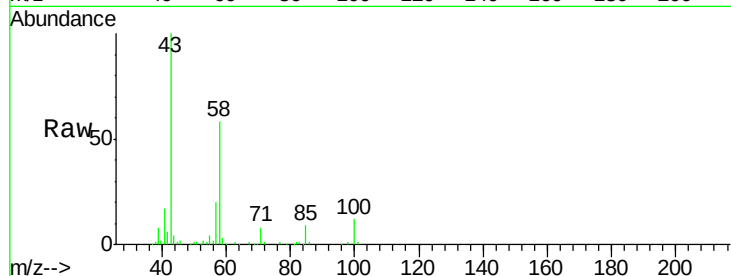




#48
2-Hexanone
Concen: 9.337 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006697.D
Acq: 23 Jul 2018 13:45

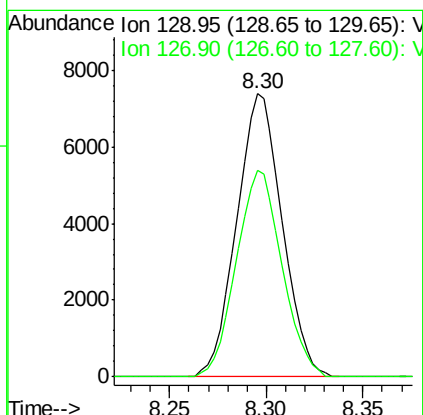
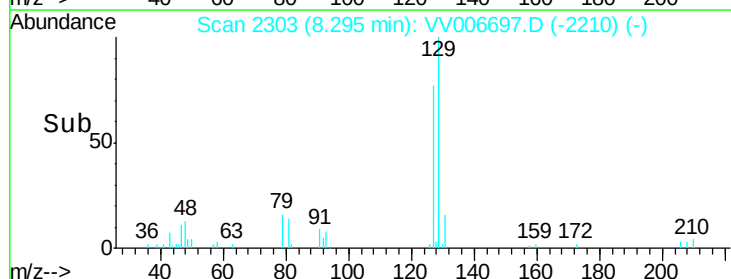
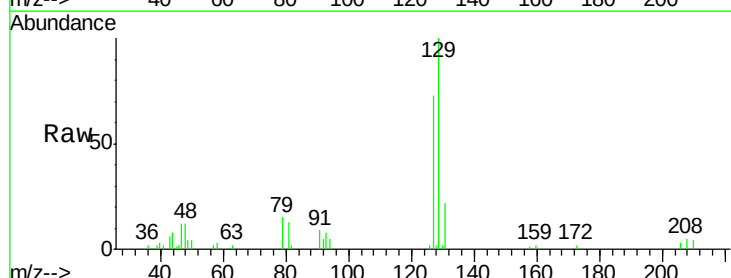
Instrument :
MSVOA_V
ClientSampleId :
VSTD00176

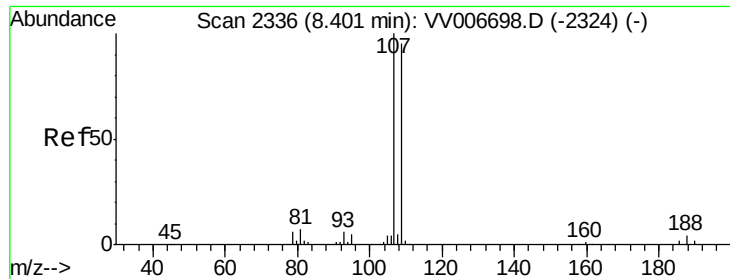
Tgt Ion: 43 Resp: 65469
Ion Ratio Lower Upper
43 100
58 56.8 47.2 70.8
57 19.1 16.1 24.1
100 12.1 11.1 16.7



#49
Dibromochloromethane
Concen: 0.926 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006697.D
Acq: 23 Jul 2018 13:45

Tgt Ion: 129 Resp: 12060
Ion Ratio Lower Upper
129 100
127 72.8 53.5 99.5

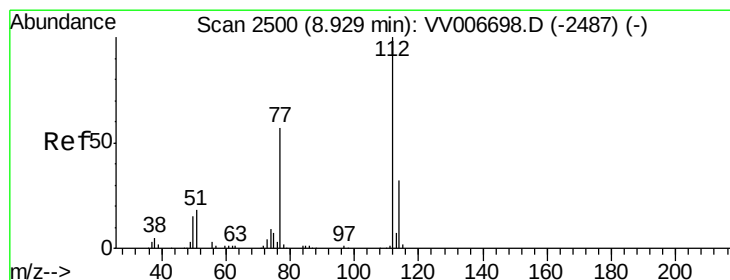
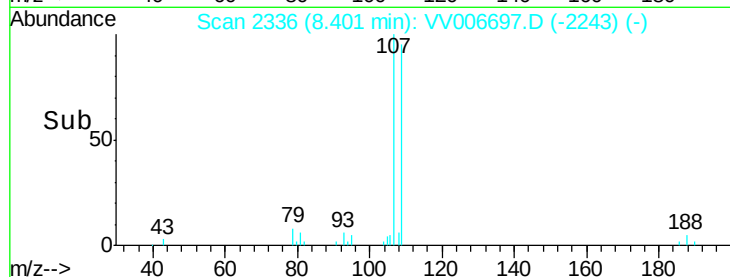
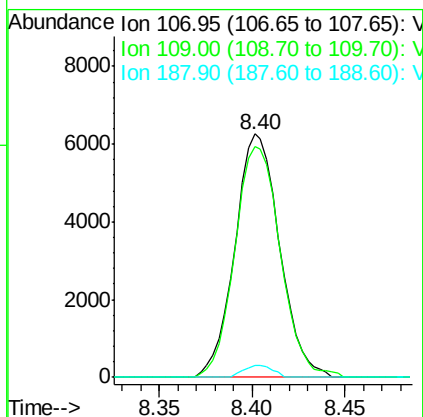
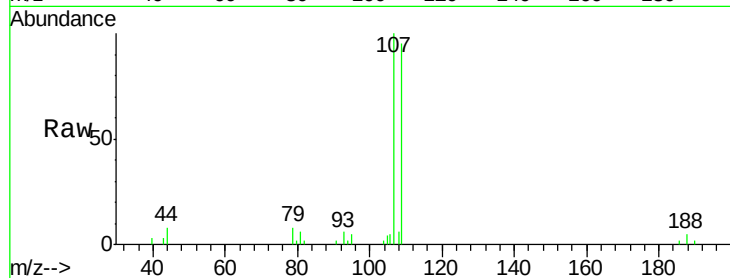




#50
1,2-Dibromoethane
Concen: 0.952 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006697.D
Acq: 23 Jul 2018 13:45

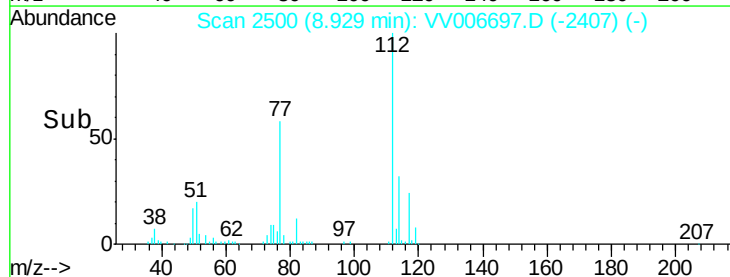
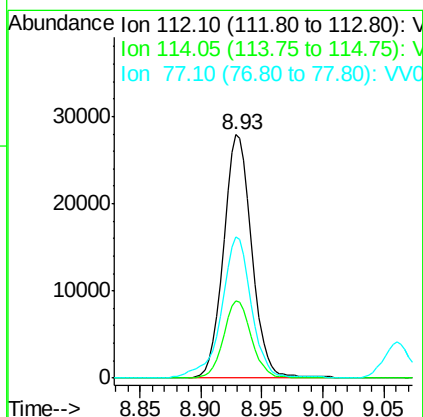
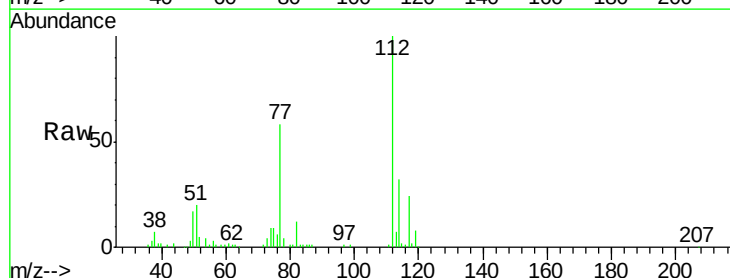
Instrument :
MSVOA_V
ClientSampleId :
VSTD00176

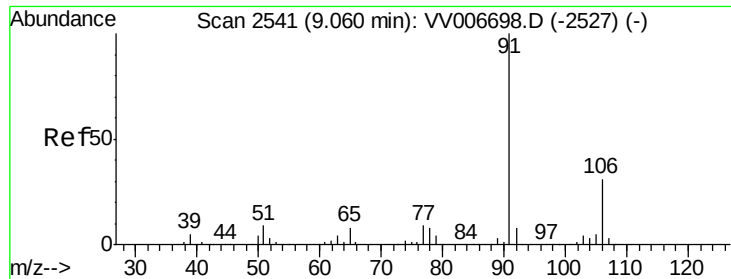
Tgt Ion:107 Resp: 10479
Ion Ratio Lower Upper
107 100
109 94.9 66.8 124.0
188 4.9 3.1 4.7#



#51
Chlorobenzene
Concen: 0.953 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006697.D
Acq: 23 Jul 2018 13:45

Tgt Ion:112 Resp: 45470
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.9
77 57.9 46.2 69.2





#52

Ethylbenzene

Concen: 0.896 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

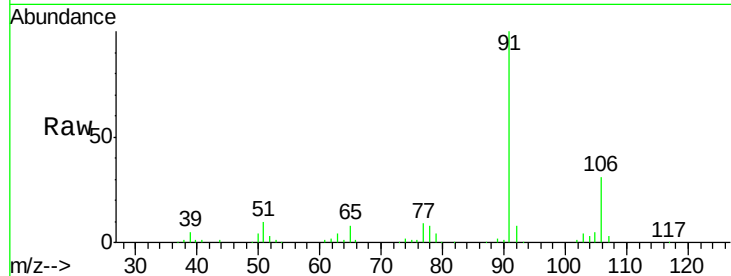
VSTD00176

Tgt Ion: 91 Resp: 69994

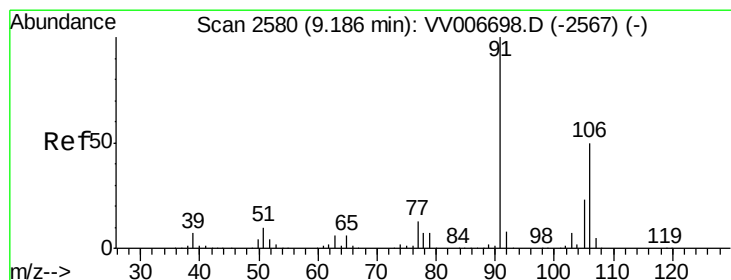
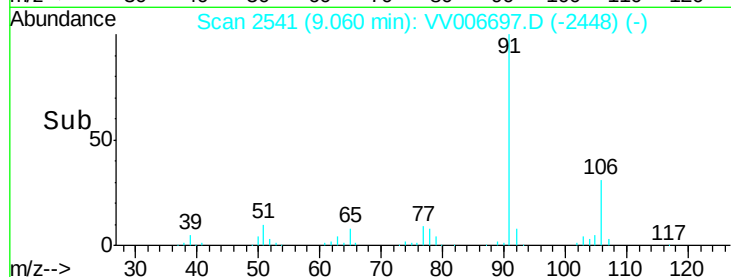
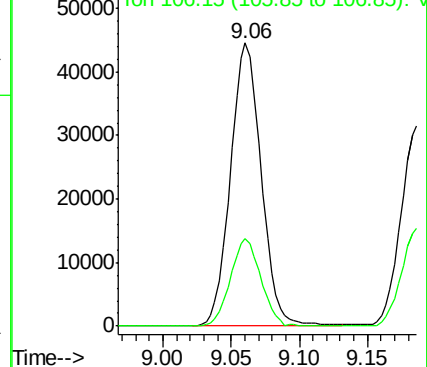
Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VV006697.D (-2448) (-)



#53

m,p-xylene

Concen: 0.847 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006697.D

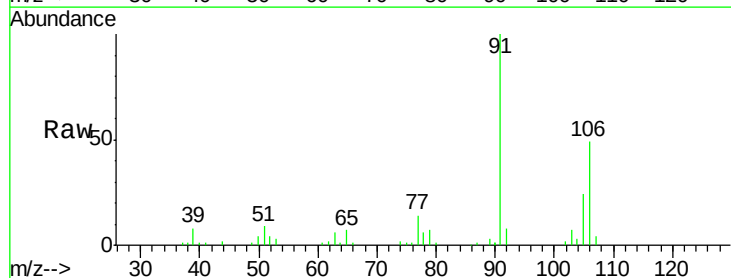
Acq: 23 Jul 2018 13:45

Tgt Ion: 106 Resp: 25005

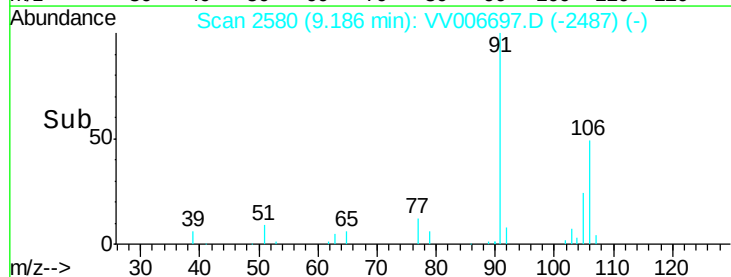
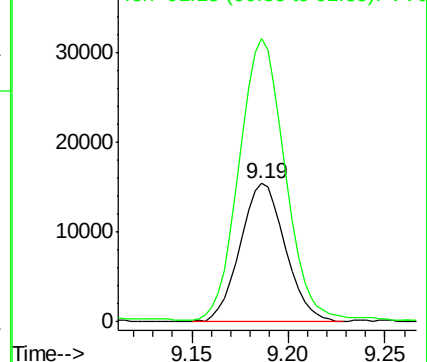
Ion Ratio Lower Upper

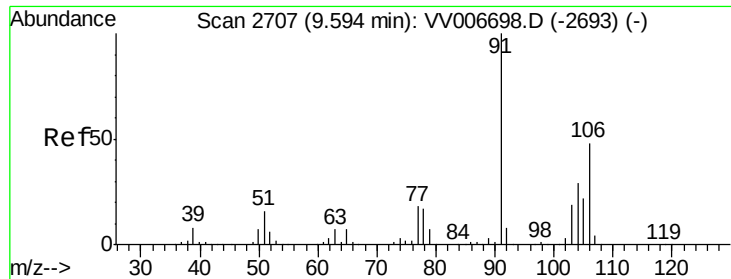
106 100

91 204.7 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006697.D (-2487) (-)





#54

o-xylene

Concen: 0.878 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

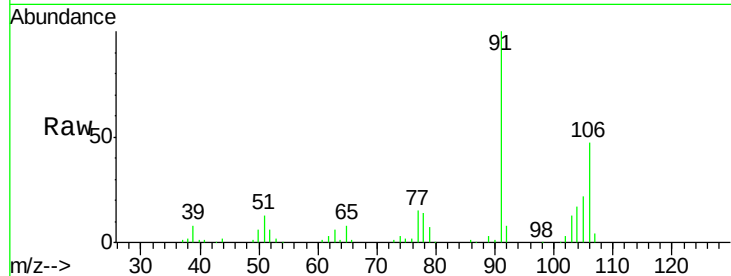
VSTD00176

Tgt Ion:106 Resp: 25230

Ion Ratio Lower Upper

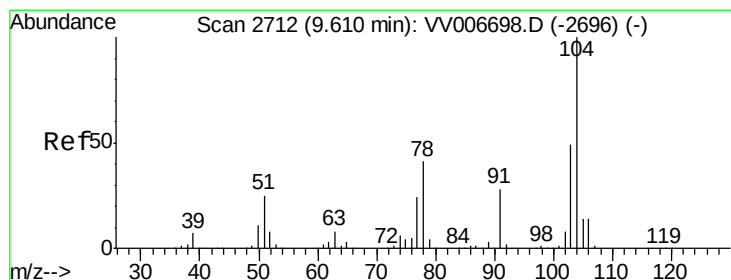
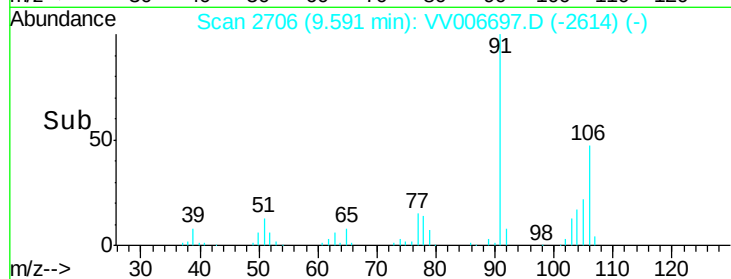
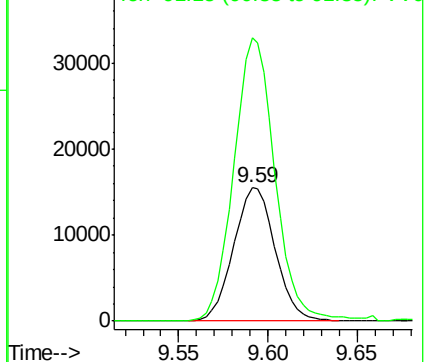
106 100

91 212.4 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.856 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006697.D

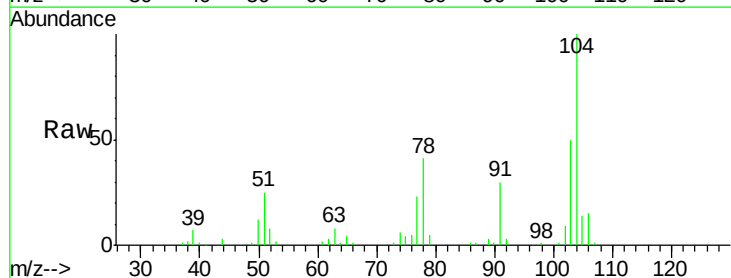
Acq: 23 Jul 2018 13:45

Tgt Ion:104 Resp: 41482

Ion Ratio Lower Upper

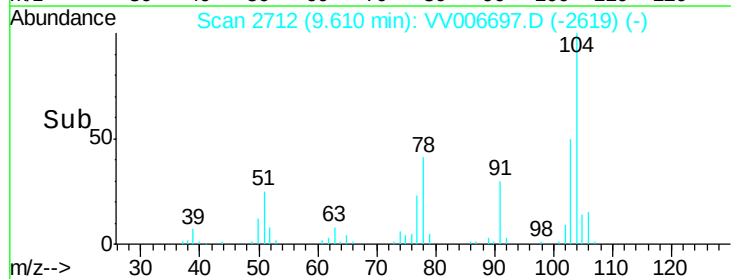
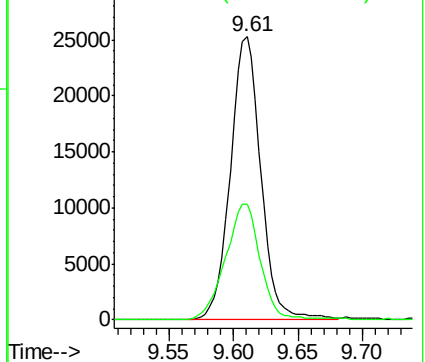
104 100

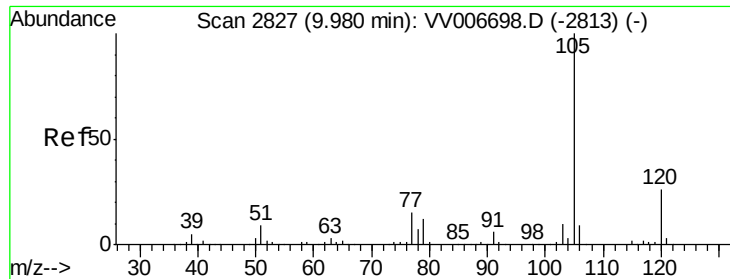
78 40.9 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.864 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampled :

VSTD00176

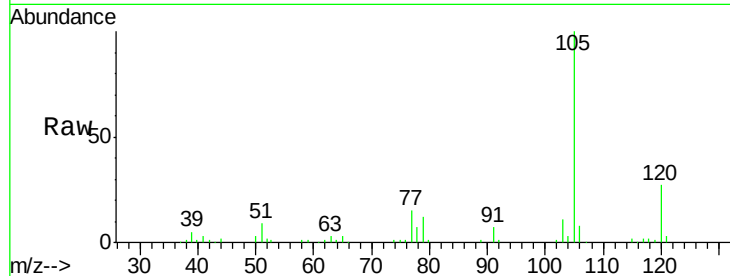
Tgt Ion:105 Resp: 64510

Ion Ratio Lower Upper

105 100

120 26.0 21.5 32.3

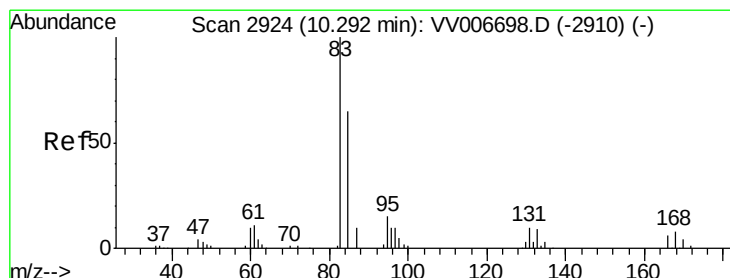
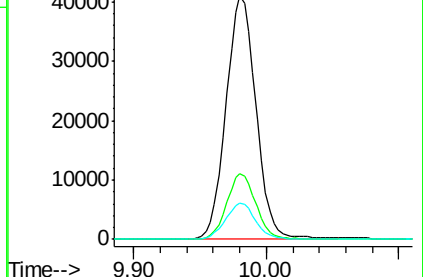
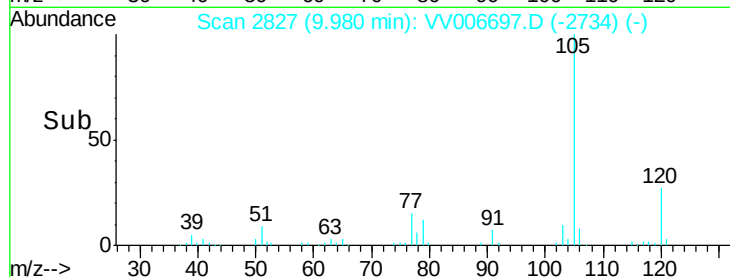
77 14.8 12.2 18.2



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: 0.959 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

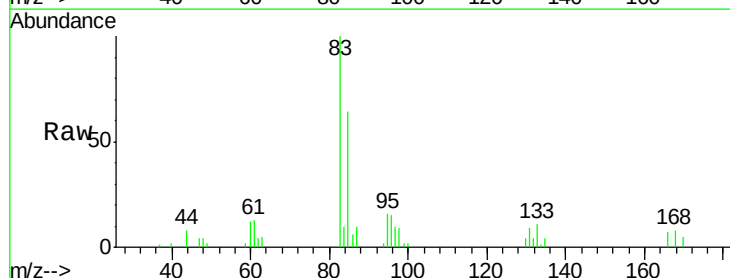
Tgt Ion: 83 Resp: 14439

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.6

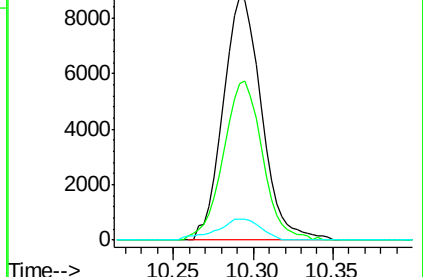
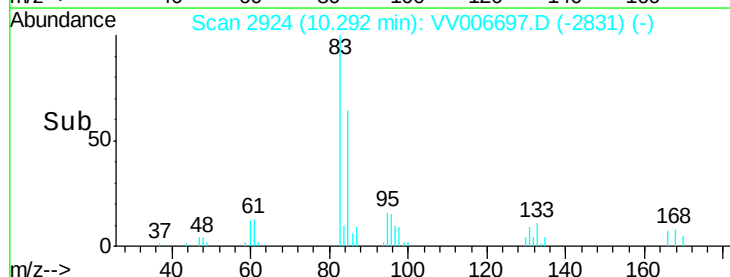
131 8.8 8.0 12.0

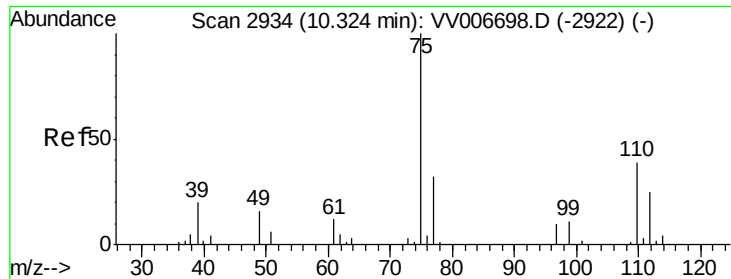


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.969 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

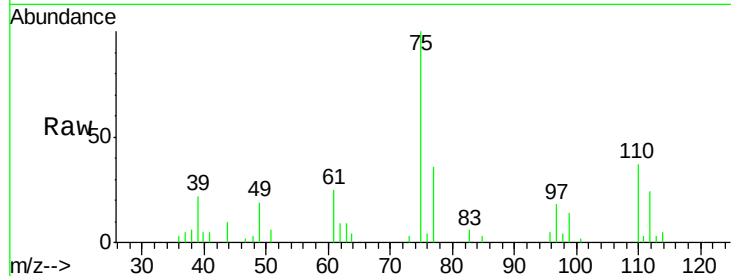
VSTD00176

Tgt Ion: 75 Resp: 10430

Ion Ratio Lower Upper

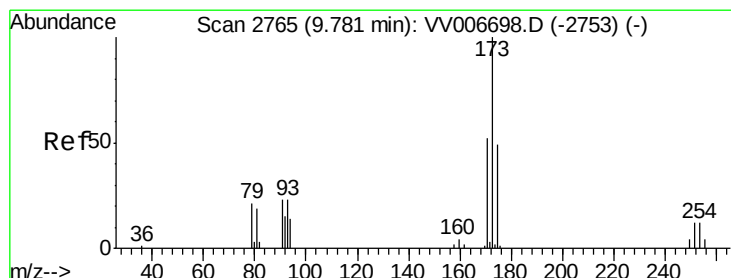
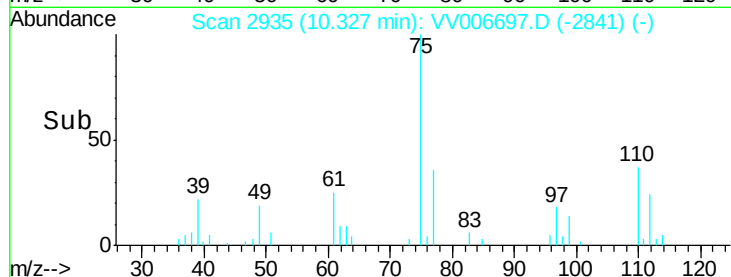
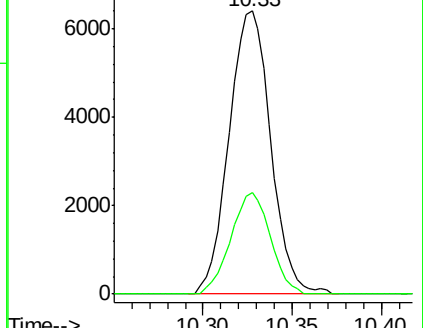
75 100

77 34.0 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV006697.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006697.D (-2922) (-)



#61

Bromoform

Concen: 0.970 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

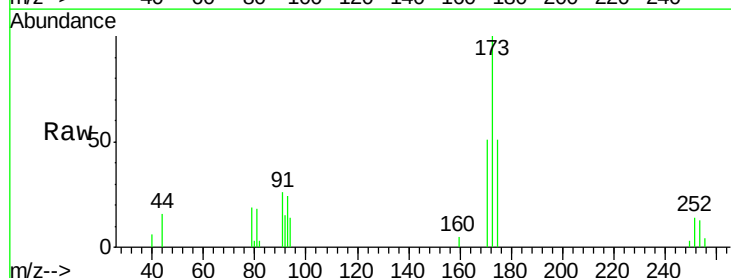
Tgt Ion: 173 Resp: 6136

Ion Ratio Lower Upper

173 100

175 48.2 39.1 58.7

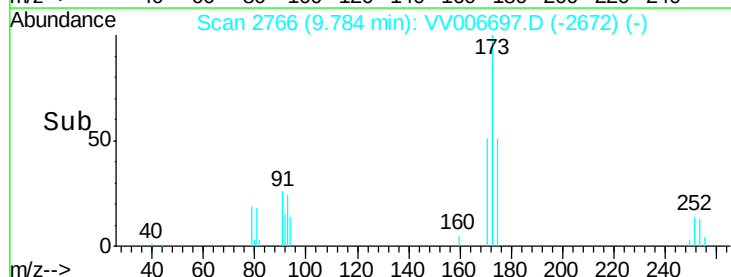
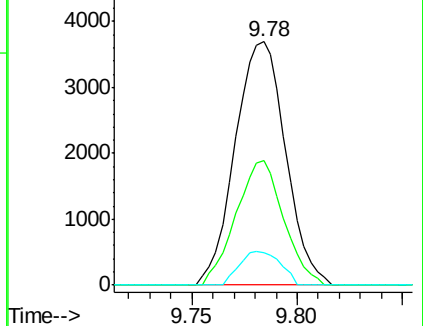
254 11.2 9.1 13.7

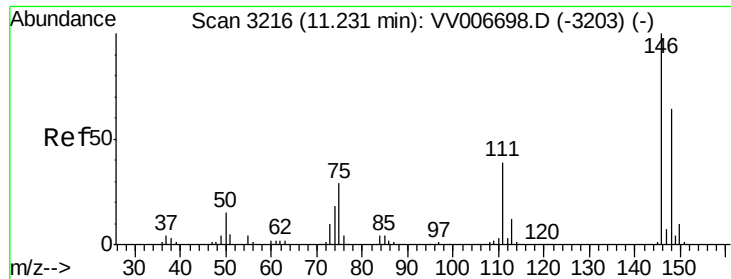


Abundance Ion 172.90 (172.60 to 173.60): VV006697.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006697.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006697.D (-2753) (-)

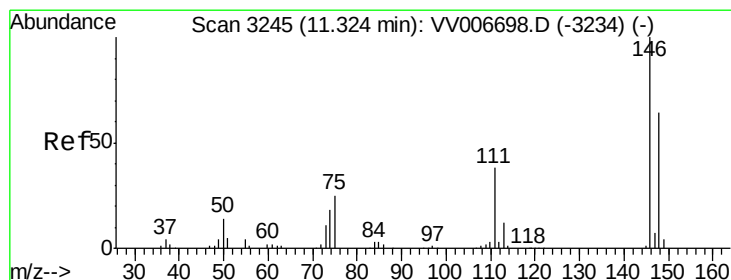
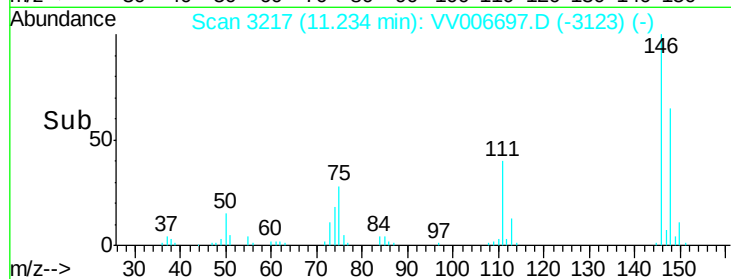
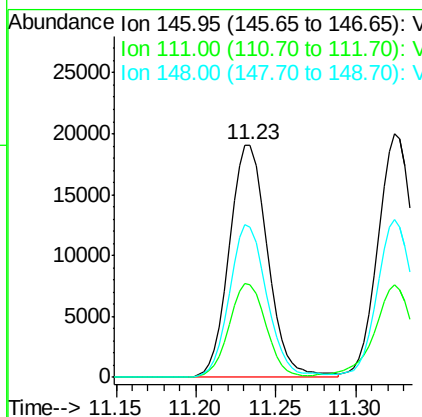
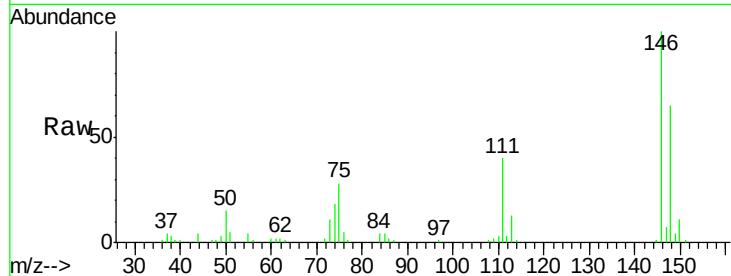




#62
 1,3-Dichlorobenzene
 Concen: 0.970 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

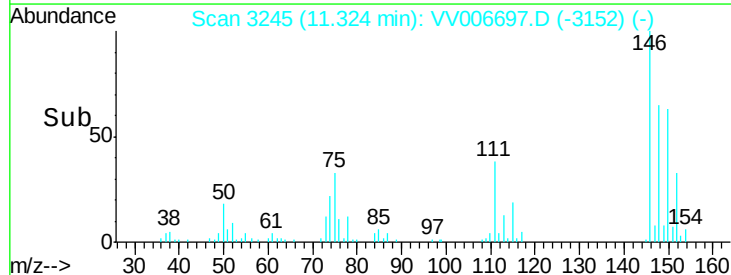
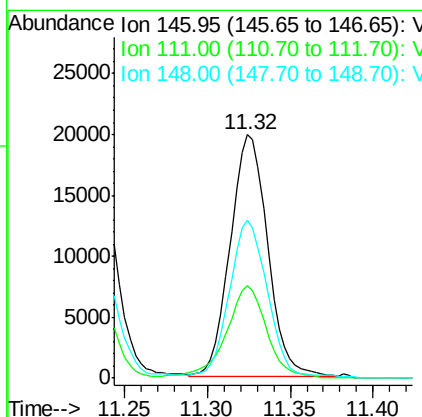
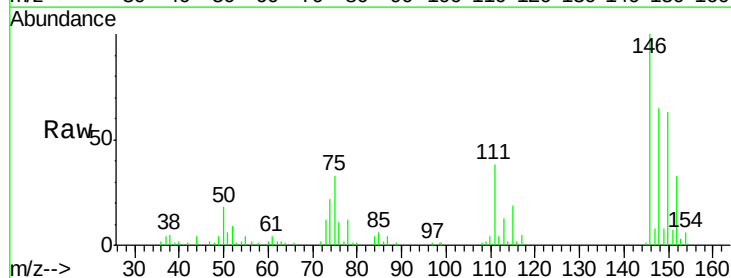
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

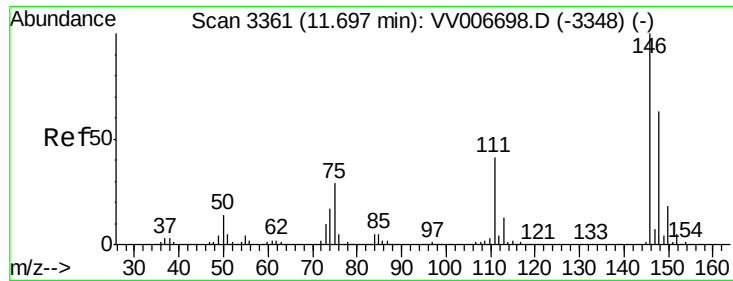
Tgt Ion:146 Resp: 31179
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.5 51.1
 148 64.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 0.953 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

Tgt Ion:146 Resp: 31219
 Ion Ratio Lower Upper
 146 100
 111 37.9 27.0 50.2
 148 65.1 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 0.972 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampled :

VSTD00176

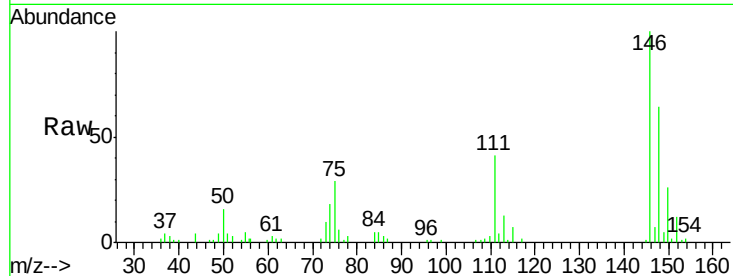
Tgt Ion:146 Resp: 30436

Ion Ratio Lower Upper

146 100

111 40.7 32.9 49.3

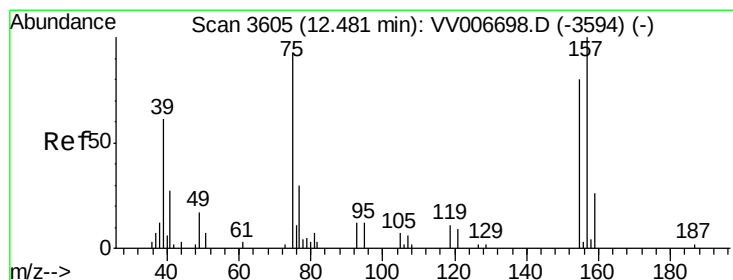
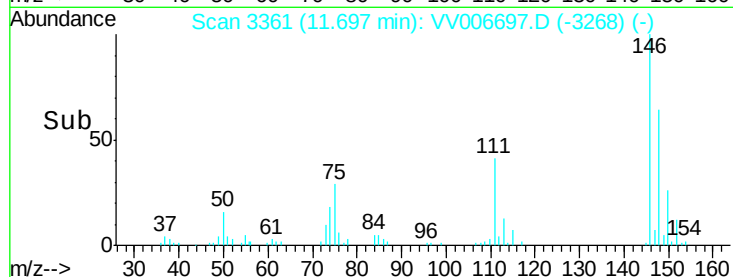
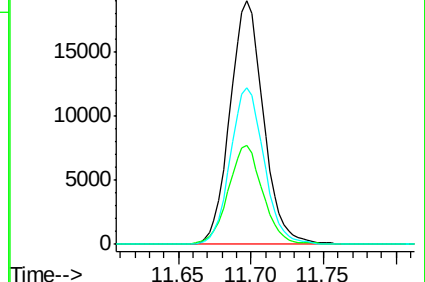
148 64.3 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.930 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

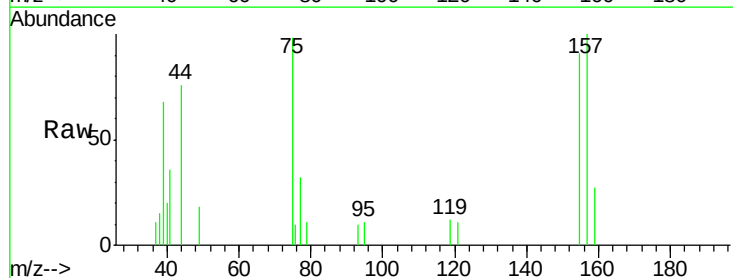
Tgt Ion: 75 Resp: 1743

Ion Ratio Lower Upper

75 100

155 93.0 68.8 103.2

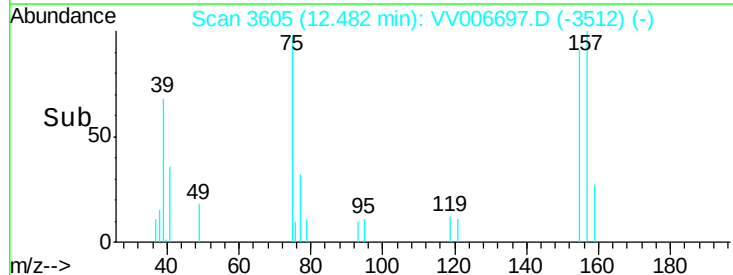
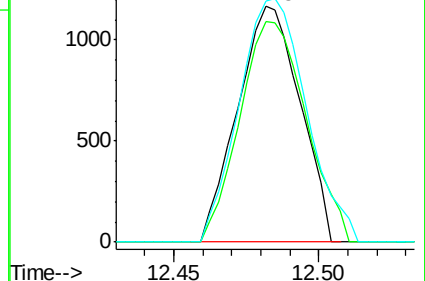
157 101.9 85.6 128.4

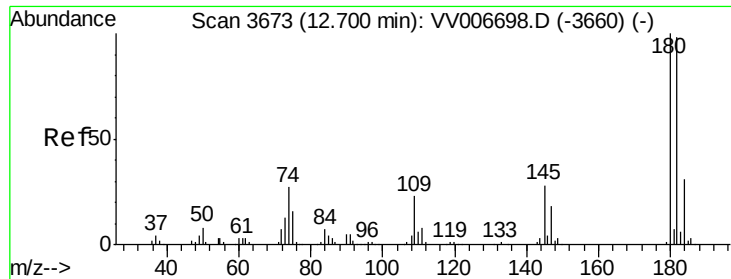


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

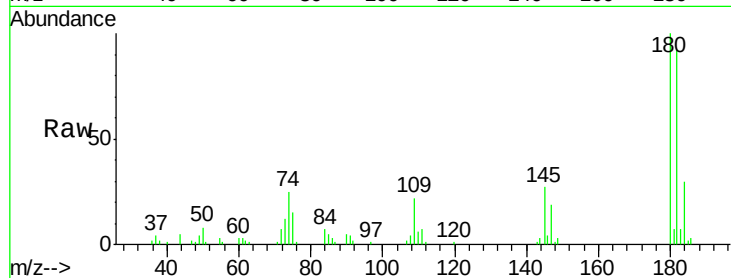




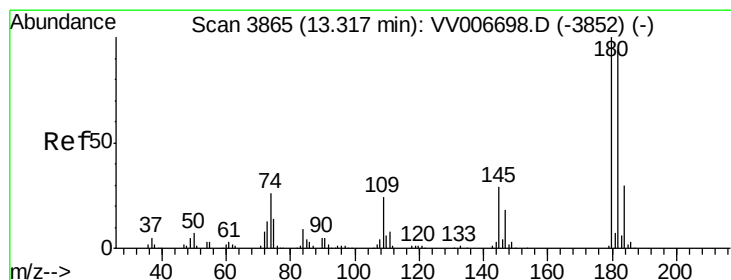
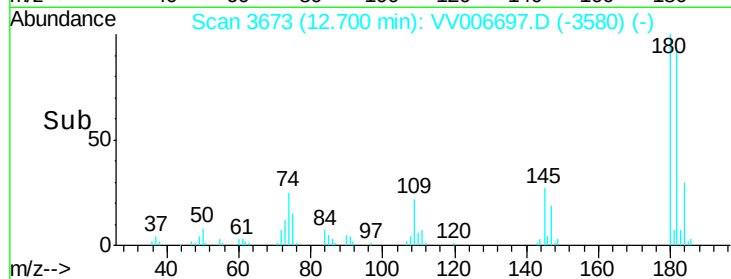
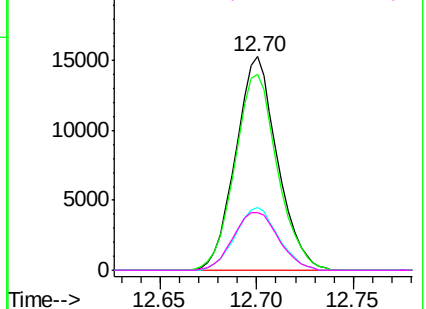
#67
 1,3,5-Trichlorobenzene
 Concen: 0.933 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

Tgt Ion:180 Resp: 22916
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.8 115.2
 184 30.3 24.6 37.0
 145 29.6 22.8 34.2

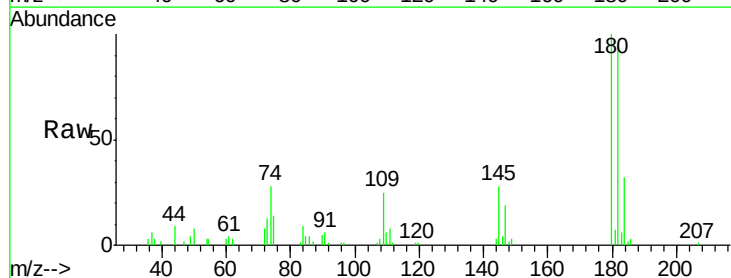


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

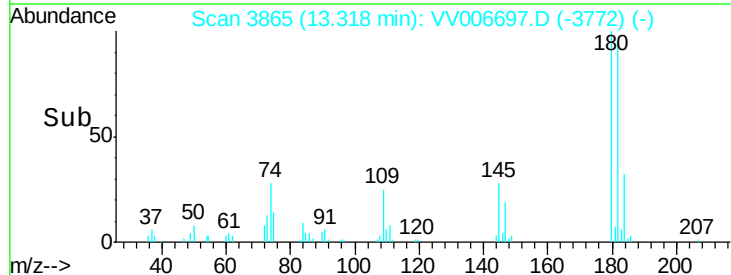
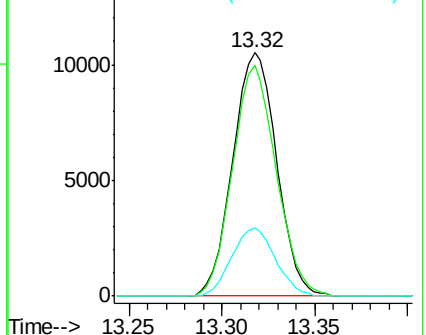


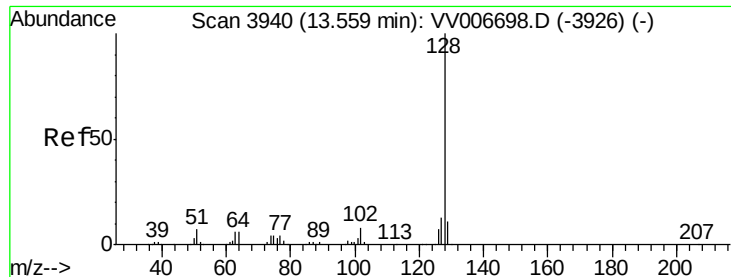
#68
 1,2,4-trichlorobenzene
 Concen: 0.886 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006697.D
 Acq: 23 Jul 2018 13:45

Tgt Ion:180 Resp: 17274
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.2 114.4
 145 27.9 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: 0.807 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

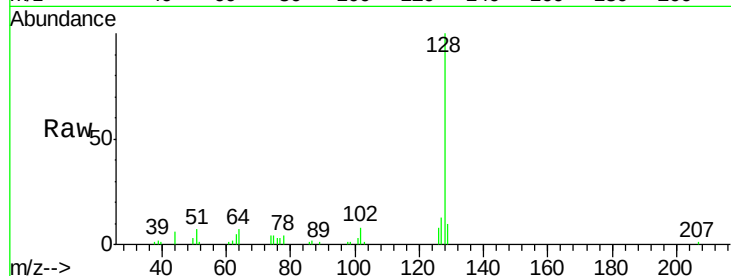
Tgt Ion:128 Resp: 26938

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

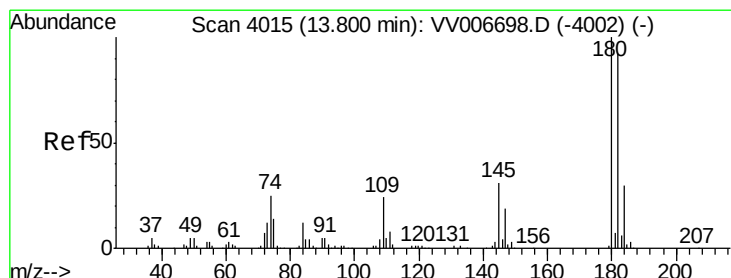
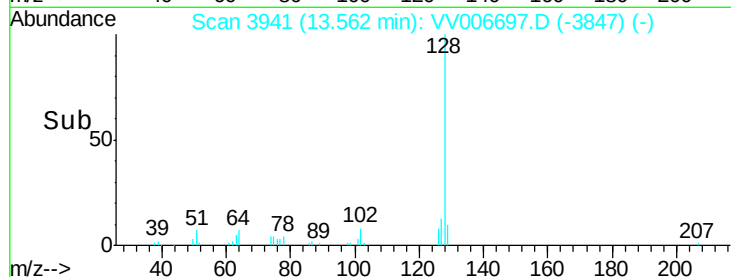
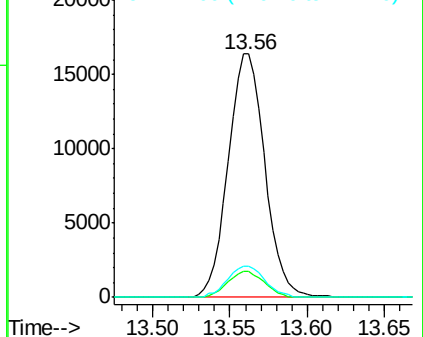
127 12.9 10.3 15.5



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: 0.885 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006697.D

Acq: 23 Jul 2018 13:45

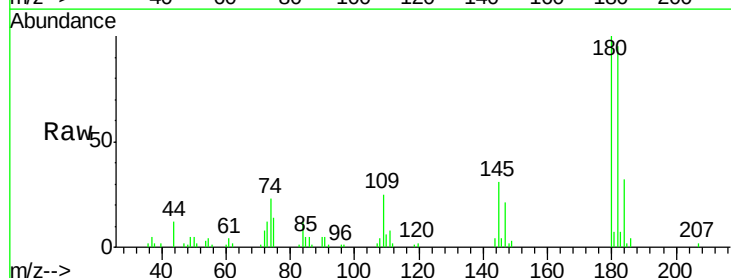
Tgt Ion:180 Resp: 16337

Ion Ratio Lower Upper

180 100

182 94.6 75.3 112.9

145 30.2 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

