

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072618\
 Data File : VV006706.D
 Acq On : 26 Jul 2018 11:35
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Quant Time: Jul 27 00:49:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 24 02:34:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	327523	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	304602	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	146515	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91524	5.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.40%
7) Chloroethane-d5	1.58	69	66213	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.13	63	173217	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.60%
20) 2-Butanone-d5	3.96	46	201650	37.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.72%
24) Chloroform-d	4.40	84	153405	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.09	65	71468	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.10	84	317628	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.12	67	99815	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.36	98	296872	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
43) trans-1,3-Dichloropropene-	7.67	79	36194	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.14	63	176803	40.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.92%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	71171	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	102482	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	136789	4.641	ug/L 96
3) Chloromethane	1.25	50	124335	4.969	ug/L 99
5) Vinyl chloride	1.32	62	146309	4.668	ug/L 98
6) Bromomethane	1.54	94	40963	5.340	ug/L 99
8) Chloroethane	1.60	64	80393	4.687	ug/L 100
9) Trichlorofluoromethane	1.77	101	171863	4.780	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	108022	4.930	ug/L 99
12) 1,1-Dichloroethene	2.14	96	99023	4.615	ug/L 92
13) Acetone	2.21	43	162411	47.927	ug/L 99
14) Carbon disulfide	2.32	76	325147	4.507	ug/L 100
15) Methyl Acetate	2.47	43	45824	4.562	ug/L 97
16) Methylene chloride	2.54	84	108366	4.406	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	247861	4.709	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	109267	4.689	ug/L 98
19) 1,1-Dichloroethane	3.23	63	203882	4.756	ug/L 99
21) 2-Butanone	4.04	43	266638	46.977	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	113965	4.690	ug/L 97

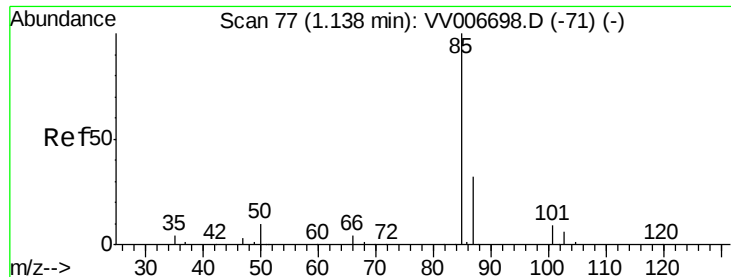
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072618\
 Data File : VV006706.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 24 02:34:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47038	4.704	ug/L	97
25) Chloroform	4.43	83	189857	4.720	ug/L	97
27) 1,2-Dichloroethane	5.19	62	111136	4.709	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	159970	4.881	ug/L	100
30) Cyclohexane	4.72	56	180845	4.929	ug/L	99
31) Carbon tetrachloride	4.88	117	139396	4.976	ug/L	99
33) Benzene	5.15	78	445630	4.866	ug/L	100
34) Trichloroethene	5.96	95	111454	4.821	ug/L	99
35) Methylcyclohexane	6.18	83	193542	5.012	ug/L	100
37) 1,2-Dichloropropane	6.22	63	113206	4.816	ug/L	100
38) Bromodichloromethane	6.56	83	129052	4.915	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	152096	4.967	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	632260	48.928	ug/L	100
42) Toluene	7.43	91	464820	4.930	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	120067	4.987	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	76110	4.807	ug/L	99
47) Tetrachloroethene	8.02	164	91303	4.973	ug/L	99
48) 2-Hexanone	8.19	43	449006	49.797	ug/L	100
49) Dibromochloromethane	8.30	129	82570	4.928	ug/L	100
50) 1,2-Dibromoethane	8.40	107	67744	4.788	ug/L	98
51) Chlorobenzene	8.93	112	295710	4.821	ug/L	100
52) Ethylbenzene	9.06	91	499076	4.965	ug/L	100
53) m,p-xylene	9.19	106	193596	5.102	ug/L	98
54) o-xylene	9.59	106	183445	4.963	ug/L	95
55) Styrene	9.61	104	315352	5.058	ug/L	98
56) Isopropylbenzene	9.98	105	486768	5.071	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	89140	4.603	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	64390	4.654	ug/L	100
61) Bromoform	9.78	173	42403	4.762	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	217788	4.809	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	223119	4.834	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	208368	4.723	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12187	4.616	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	170525	4.931	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	135435	4.930	ug/L	100
69) Naphthalene	13.56	128	227037	4.830	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	127572	4.907	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.641 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

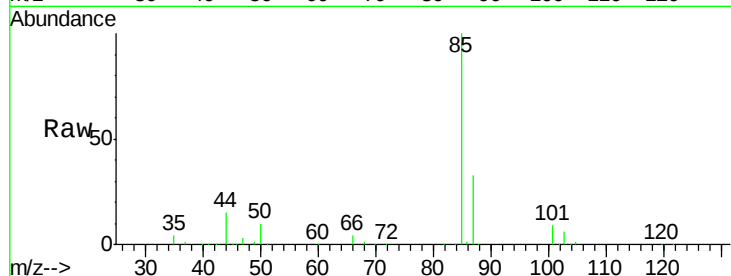
VSTD00561

Tgt Ion: 85 Resp: 136789

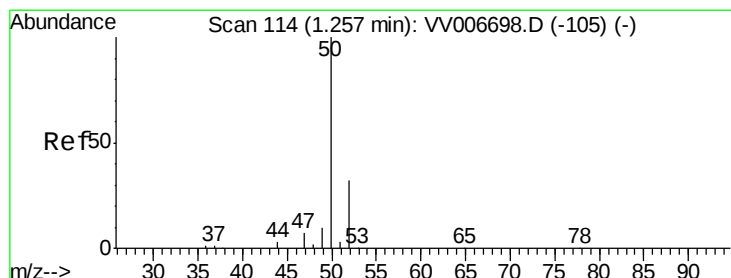
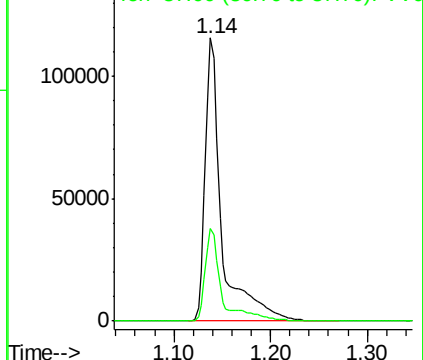
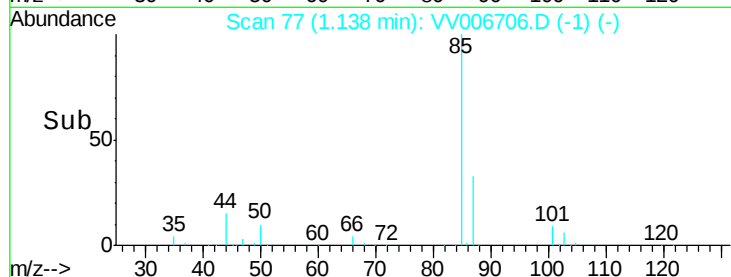
Ion Ratio Lower Upper

85 100

87 26.7 19.9 29.9



Abundance Ion 85.00 (84.70 to 85.70): VV006706.D (-1) (-)



#3

Chloromethane

Concen: 4.969 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV006706.D

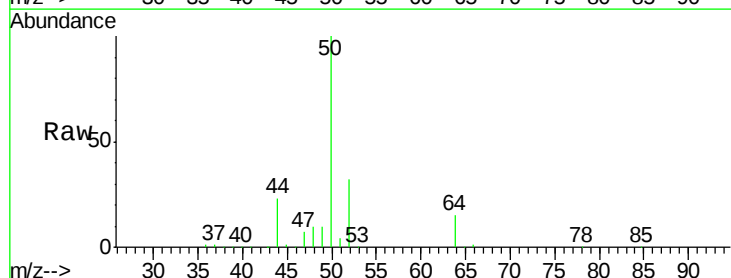
Acq: 26 Jul 2018 11:35

Tgt Ion: 50 Resp: 124335

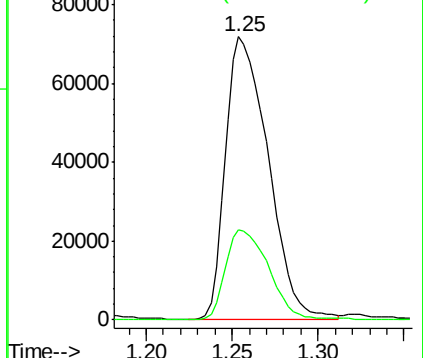
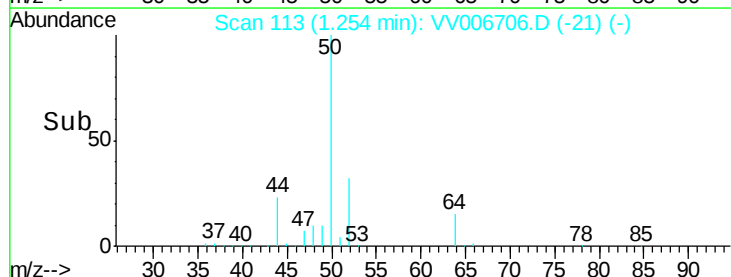
Ion Ratio Lower Upper

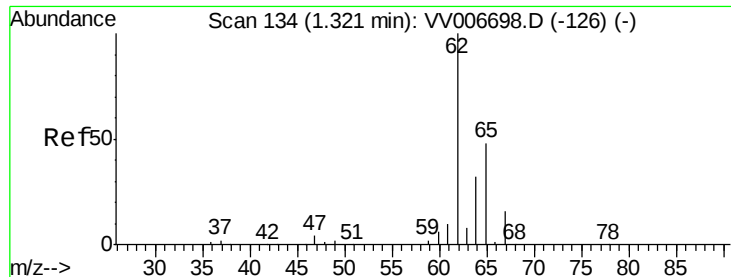
50 100

52 31.9 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV006706.D (-21) (-)





#5

Vinyl chloride

Concen: 4.668 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

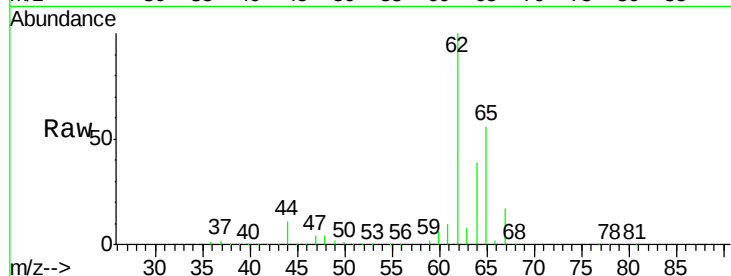
VSTD00561

Tgt Ion: 62 Resp: 146309

Ion Ratio Lower Upper

62 100

64 38.9 26.5 49.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

150000

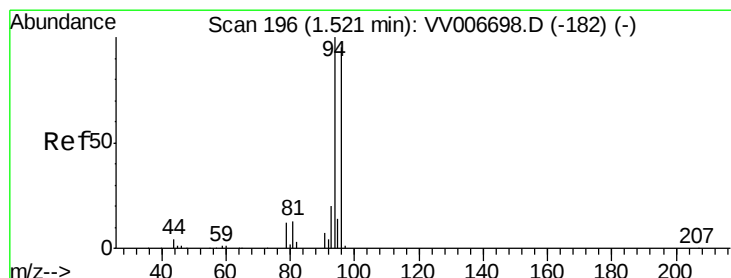
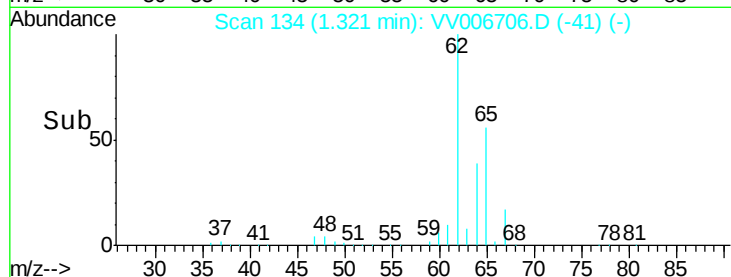
100000

50000

0

Time-->

1.30 1.40



#6

Bromomethane

Concen: 5.340 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.02 min

Lab File: VV006706.D

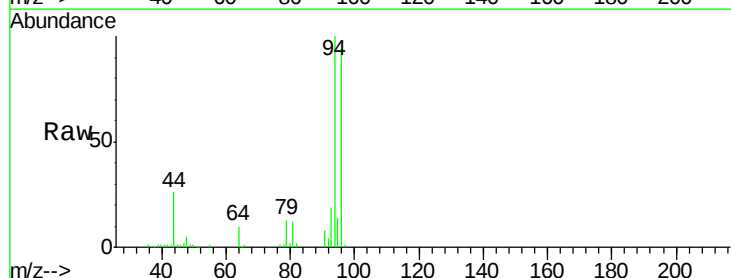
Acq: 26 Jul 2018 11:35

Tgt Ion: 94 Resp: 40963

Ion Ratio Lower Upper

94 100

96 94.3 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

40000

30000

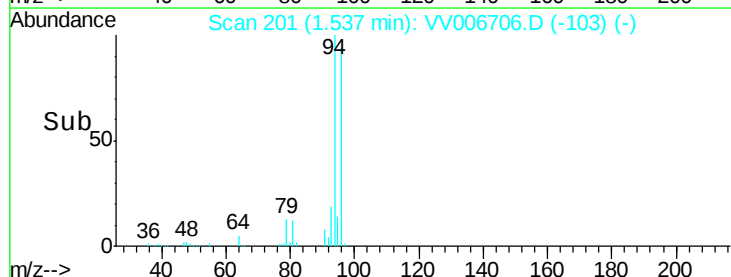
20000

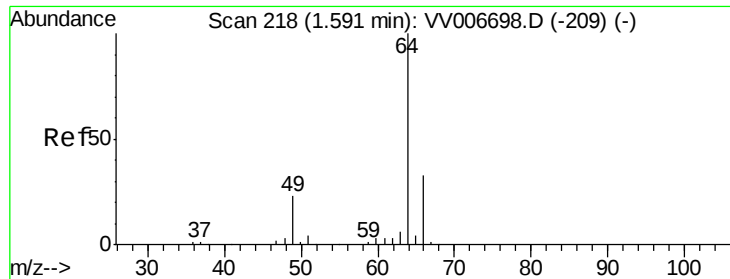
10000

0

Time-->

1.50 1.55 1.60

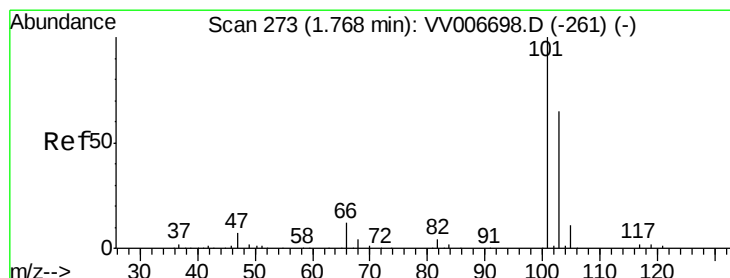
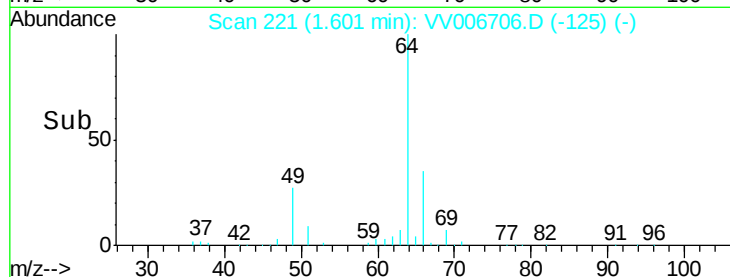
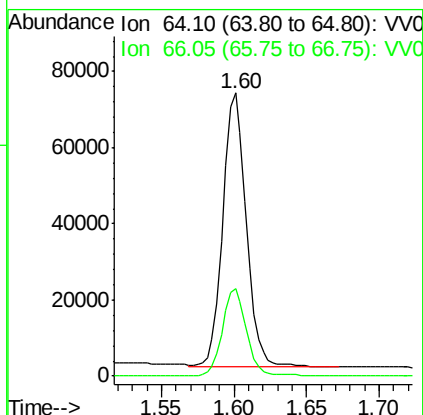
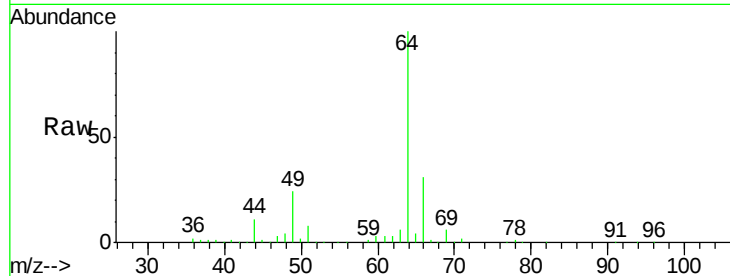




#8
Chloroethane
Concen: 4.687 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.01 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

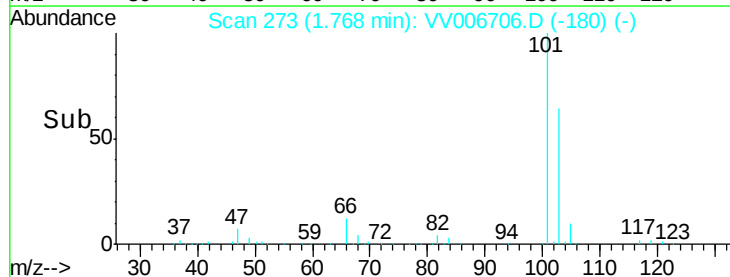
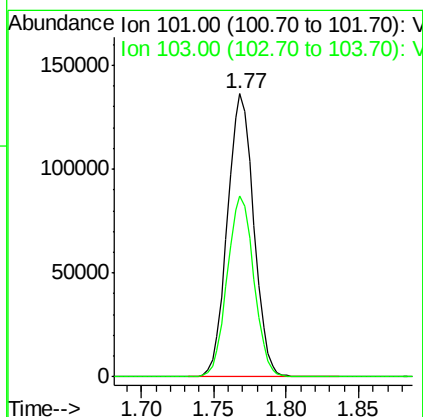
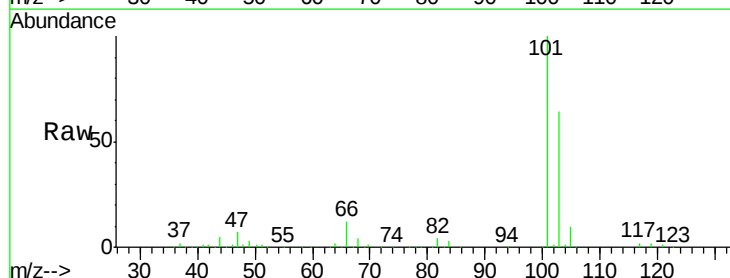
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

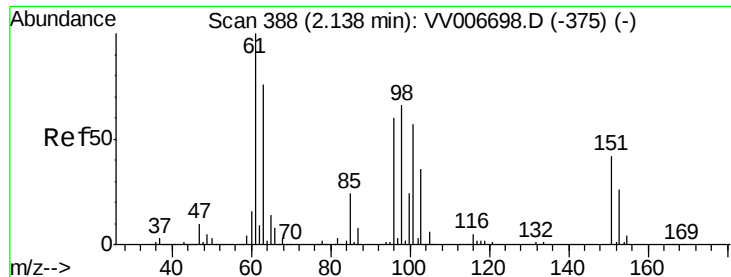
Tgt Ion: 64 Resp: 80393
Ion Ratio Lower Upper
64 100
66 31.0 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.780 ug/L
RT: 1.77 min Scan# 273
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Tgt Ion: 101 Resp: 171863
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6





#10

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

Concen: 4.930 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

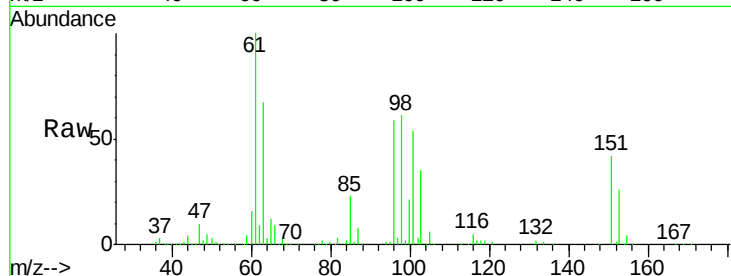
Tgt Ion: 101 Resp: 108022

Ion Ratio Lower Upper

101 100

85 41.8 33.1 49.7

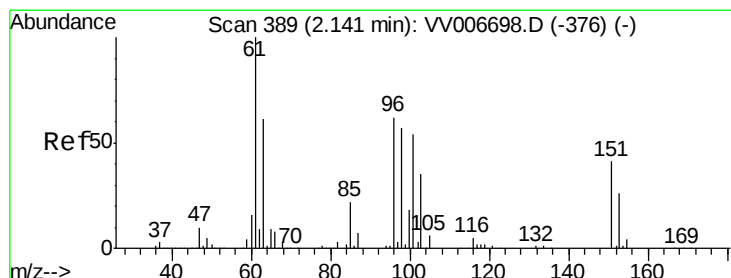
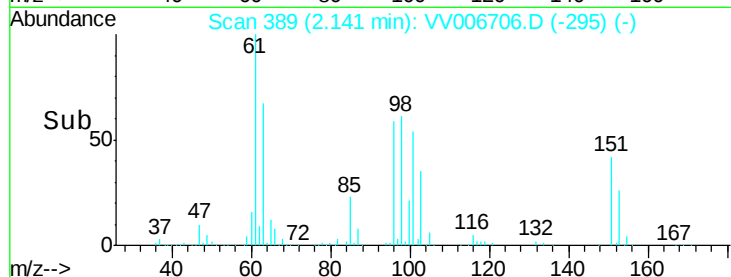
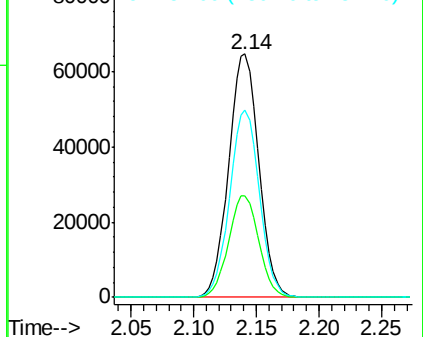
151 76.0 59.7 89.5



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: 4.615 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

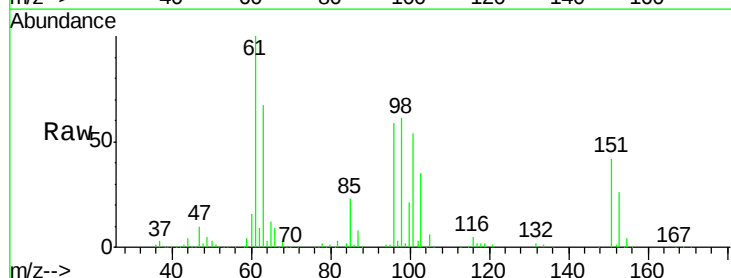
Tgt Ion: 96 Resp: 99023

Ion Ratio Lower Upper

96 100

61 168.5 113.5 210.9

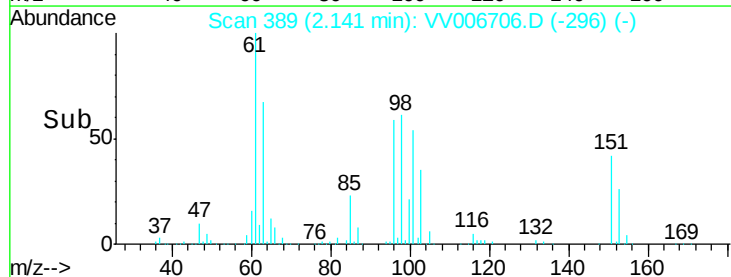
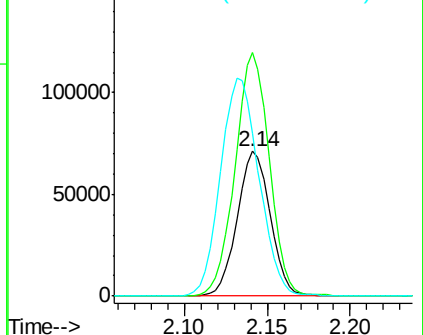
63 112.6 69.5 129.1

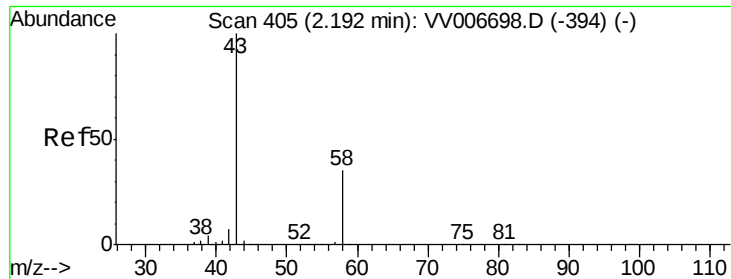


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

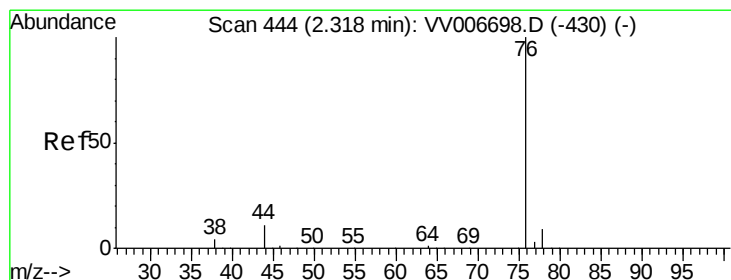
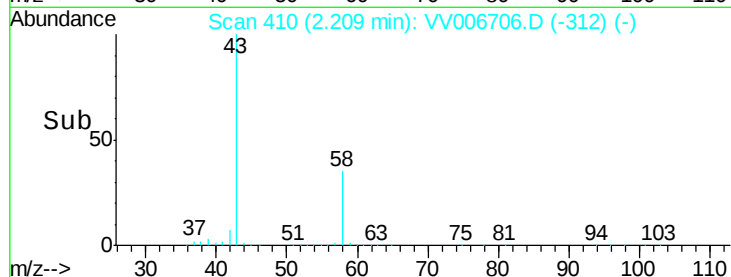
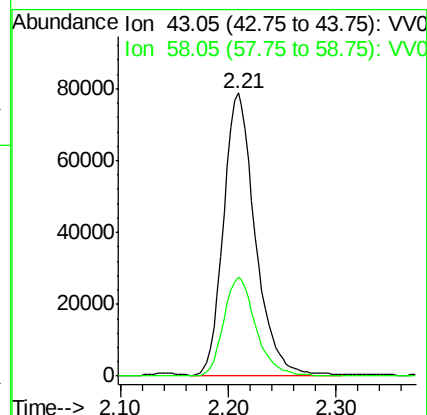
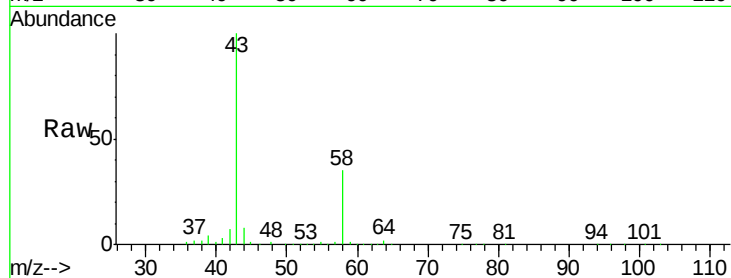




#13
Acetone
Concen: 47.927 ug/L
RT: 2.21 min Scan# 410
Delta R.T. 0.02 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

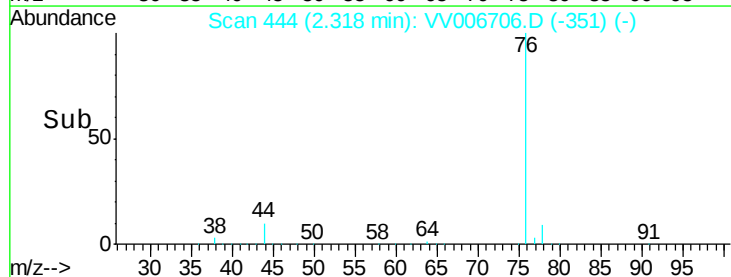
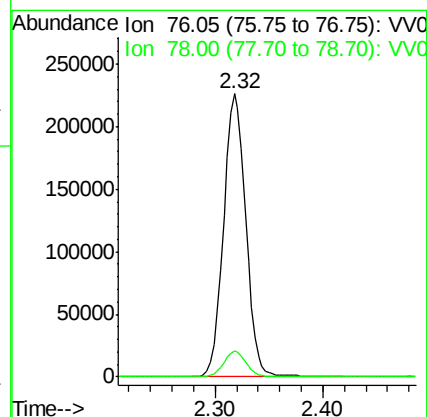
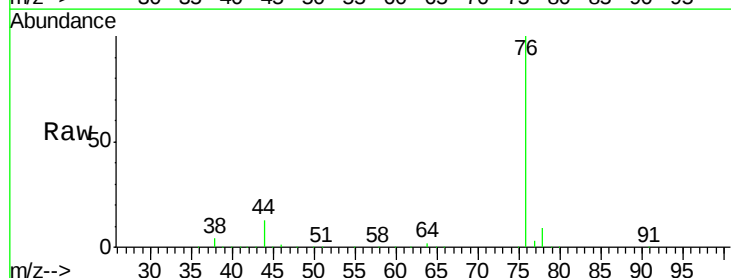
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

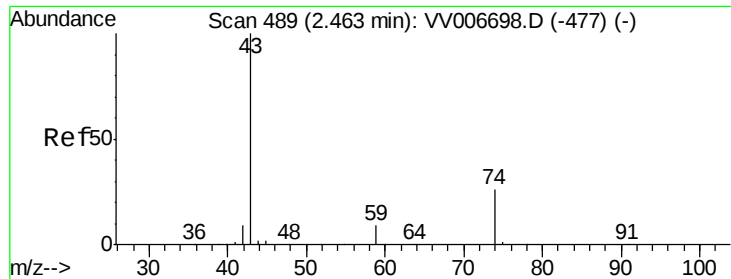
Tgt Ion: 43 Resp: 162411
Ion Ratio Lower Upper
43 100
58 35.3 0.0 71.4



#14
Carbon disulfide
Concen: 4.507 ug/L
RT: 2.32 min Scan# 444
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Tgt Ion: 76 Resp: 325147
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

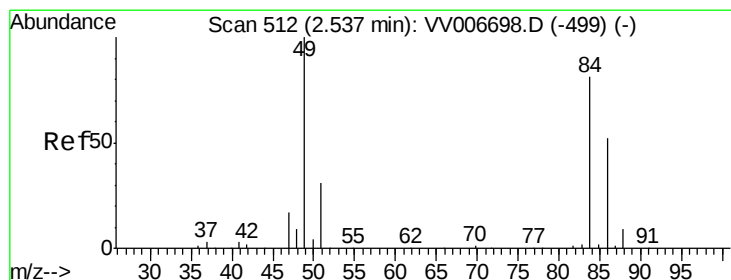
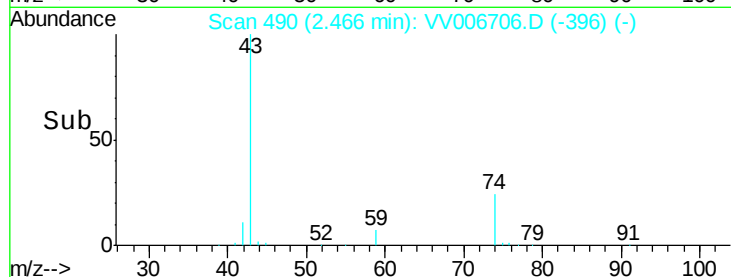
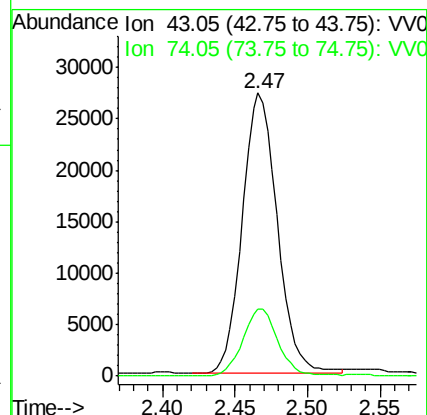
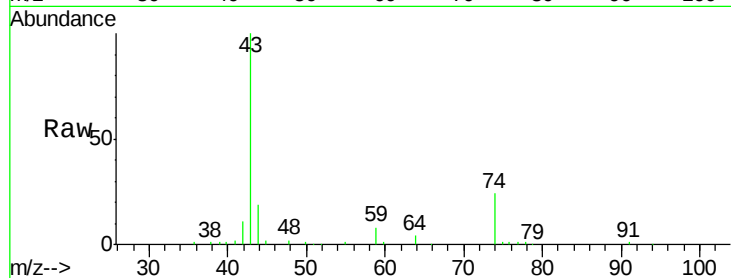




#15
Methyl Acetate
Concen: 4.562 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

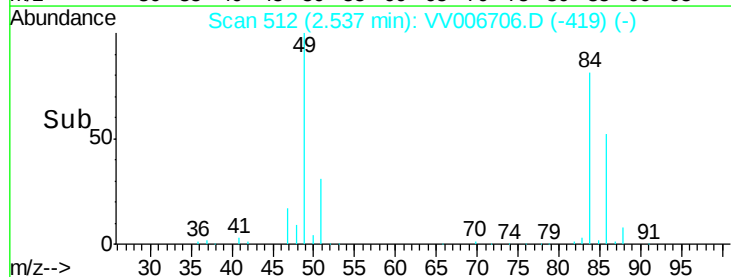
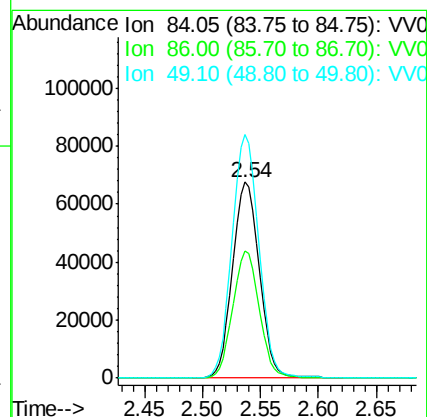
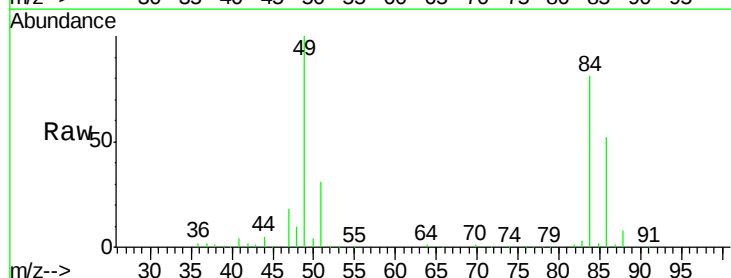
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

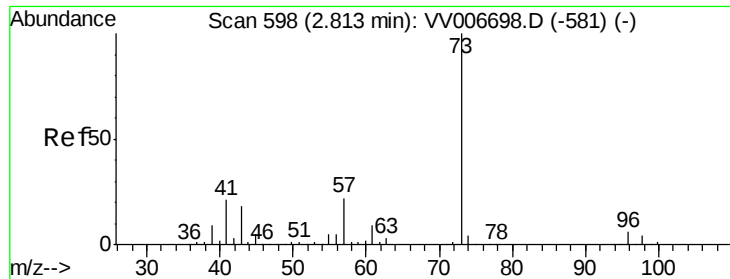
Tgt Ion: 43 Resp: 45824
Ion Ratio Lower Upper
43 100
74 24.3 20.6 31.0



#16
Methylene chloride
Concen: 4.406 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Tgt Ion: 84 Resp: 108366
Ion Ratio Lower Upper
84 100
86 64.8 44.7 83.1
49 124.2 86.7 160.9

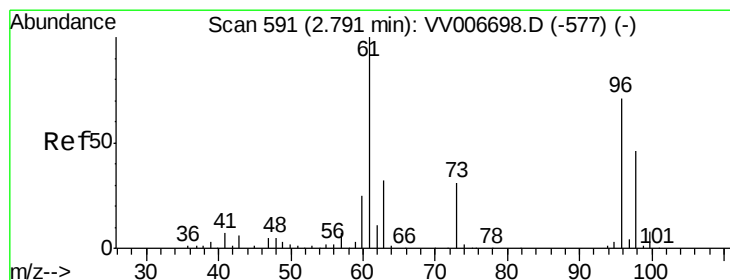
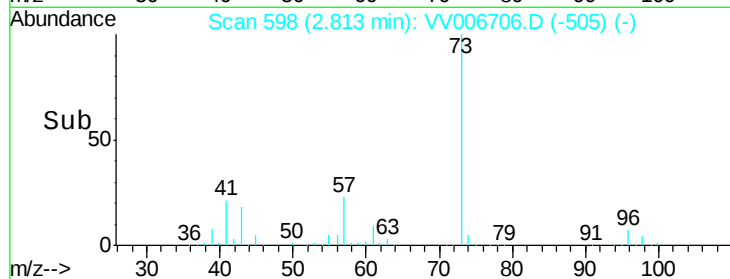
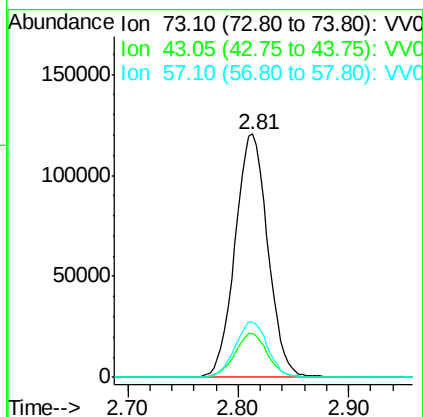
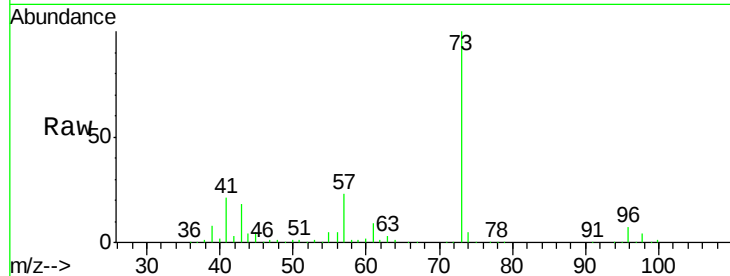




#17
Methyl tert-butyl Ether
Concen: 4.709 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

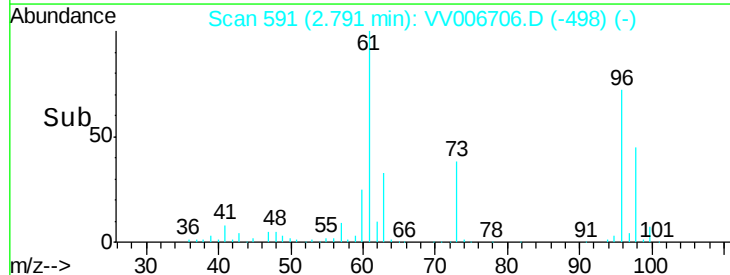
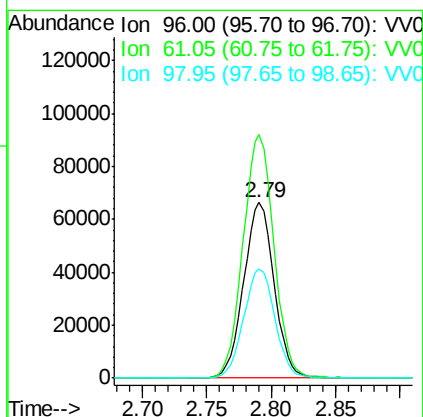
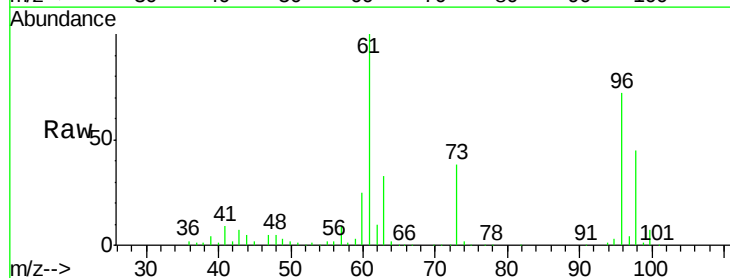
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

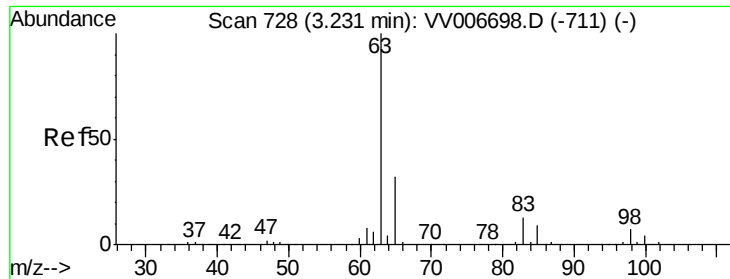
Tgt Ion: 73 Resp: 247861
Ion Ratio Lower Upper
73 100
43 17.7 14.2 21.4
57 22.8 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 4.689 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Tgt Ion: 96 Resp: 109267
Ion Ratio Lower Upper
96 100
61 138.6 98.5 182.9
98 62.2 45.4 84.4

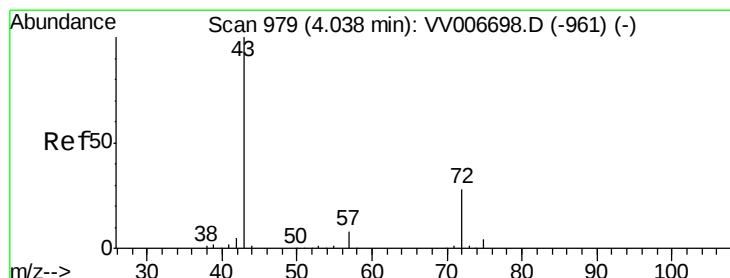
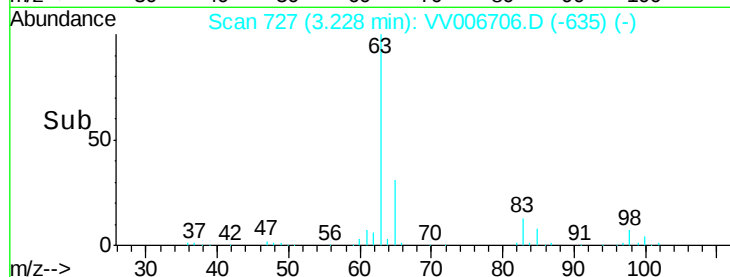
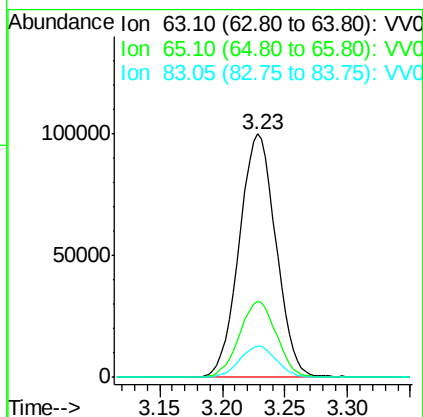
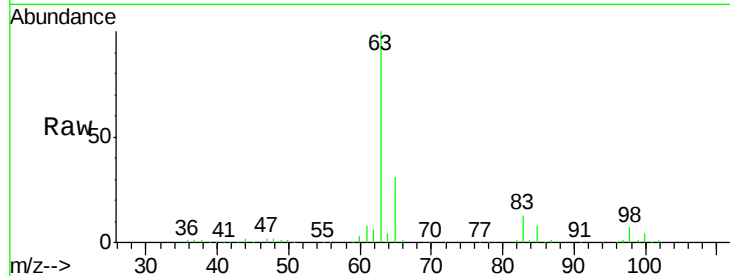




#19
 1,1-Dichloroethane
 Concen: 4.756 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006706.D
 Acq: 26 Jul 2018 11:35

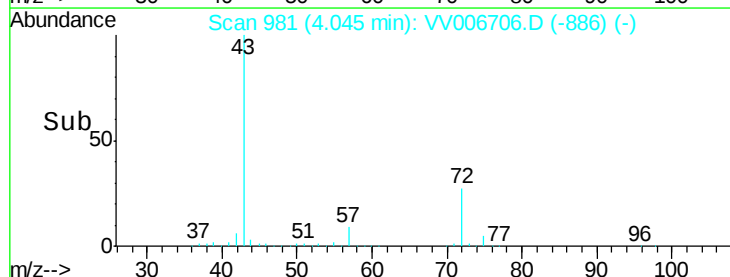
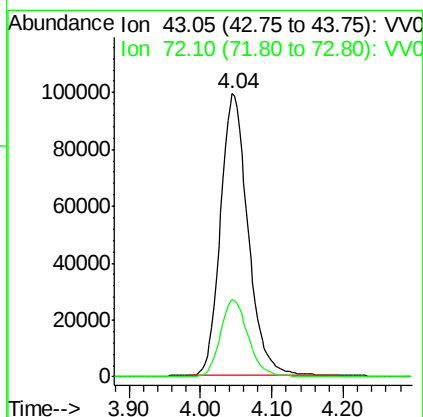
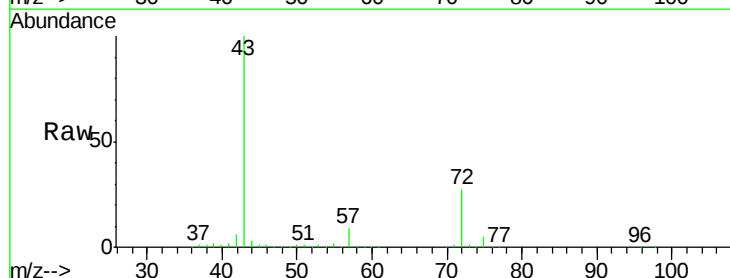
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

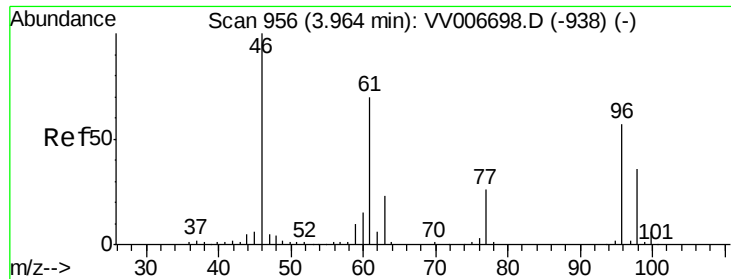
Tgt Ion: 63 Resp: 203882
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.4 41.6
 83 12.8 9.0 16.8



#21
 2-Butanone
 Concen: 46.977 ug/L
 RT: 4.04 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VV006706.D
 Acq: 26 Jul 2018 11:35

Tgt Ion: 43 Resp: 266638
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.8 41.4



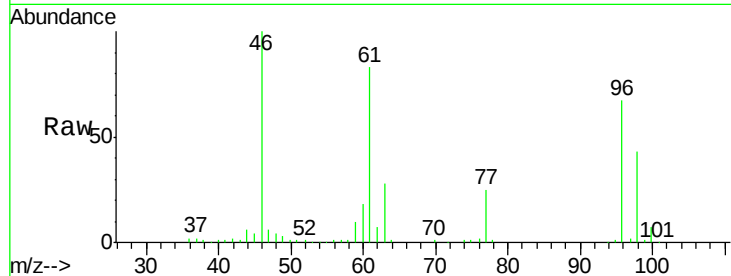


#22

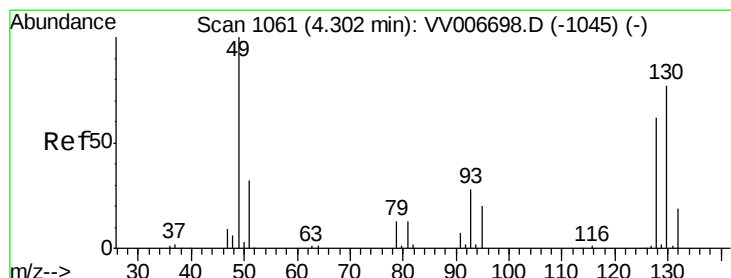
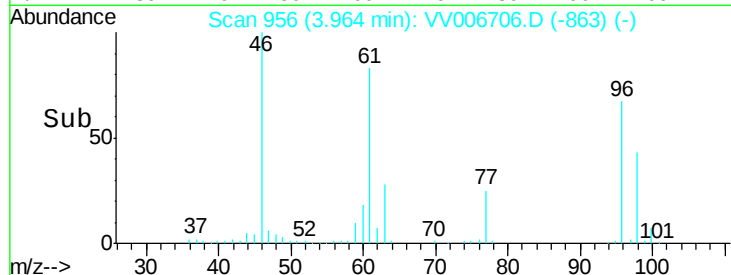
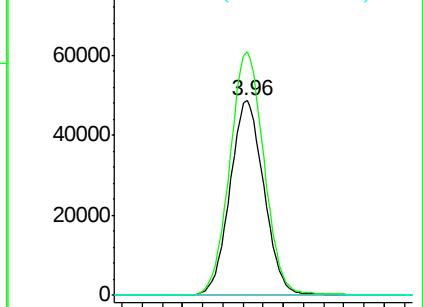
cis-1,2-Dichloroethene
Concen: 4.690 ug/L
RT: 3.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Tgt Ion: 96 Resp: 113965
Ion Ratio Lower Upper
96 100
61 125.1 85.5 158.9
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006706.D (-863) (-)
Ion 61.05 (60.75 to 61.75): VV006706.D (-863) (-)
Ion 68.15 (67.85 to 68.85): VV006706.D (-863) (-)

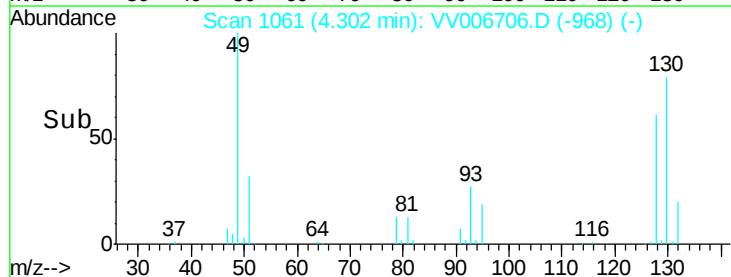
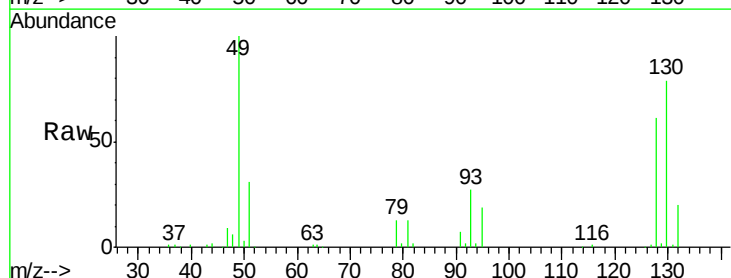
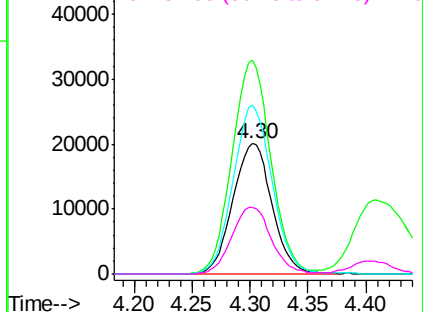


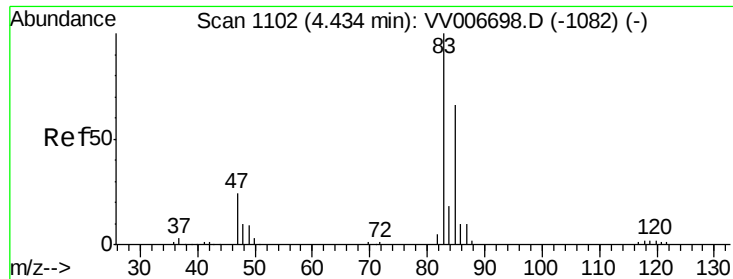
#23

Bromochloromethane
Concen: 4.704 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Tgt Ion: 128 Resp: 47038
Ion Ratio Lower Upper
128 100
49 164.0 112.6 209.0
130 129.5 87.1 161.7
51 51.5 40.9 61.3

Abundance Ion 127.90 (127.60 to 128.60): VV006706.D (-968) (-)
Ion 49.10 (48.80 to 49.80): VV006706.D (-968) (-)
Ion 129.95 (129.65 to 130.65): VV006706.D (-968) (-)
Ion 51.05 (50.75 to 51.75): VV006706.D (-968) (-)

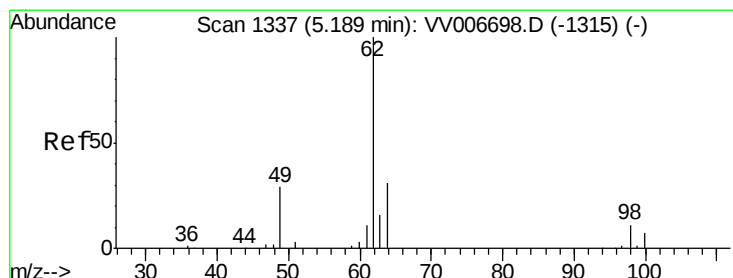
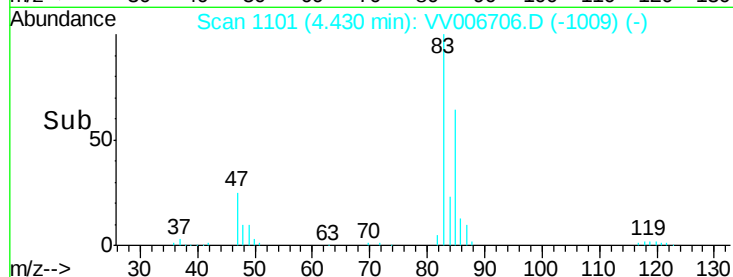
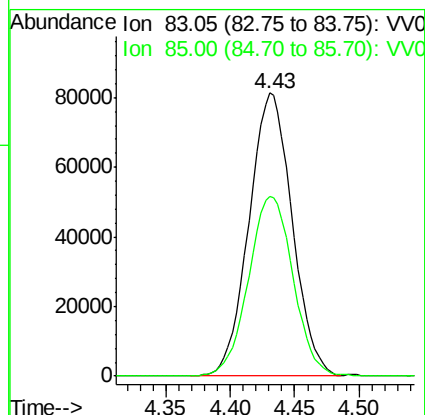
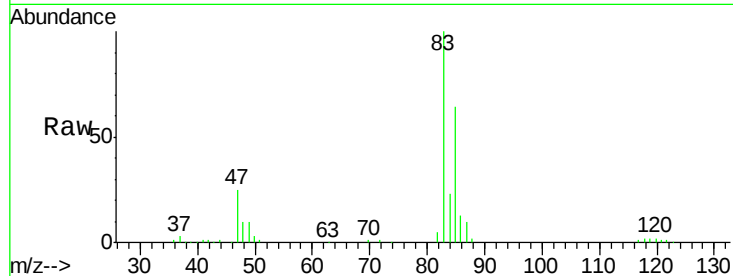




#25
Chloroform
Concen: 4.720 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

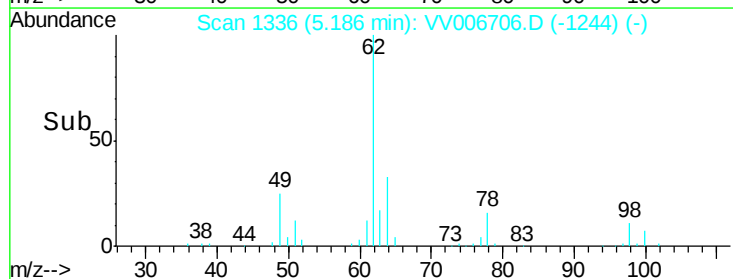
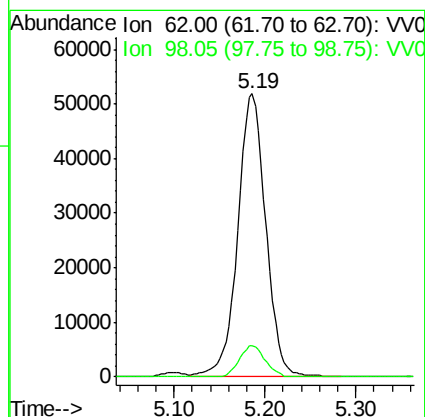
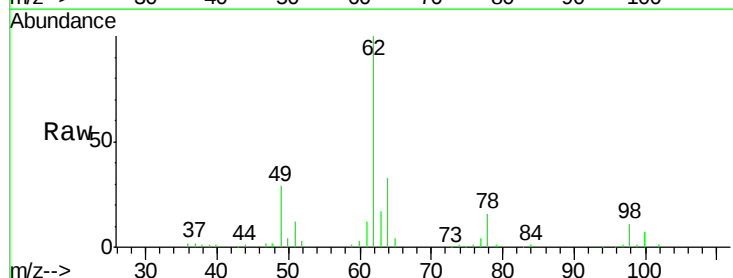
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

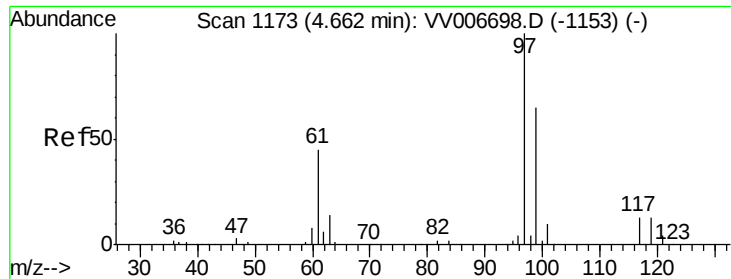
Tgt Ion: 83 Resp: 189857
Ion Ratio Lower Upper
83 100
85 63.7 46.1 85.5



#27
1,2-Dichloroethane
Concen: 4.709 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Tgt Ion: 62 Resp: 111136
Ion Ratio Lower Upper
62 100
98 11.1 8.4 12.6

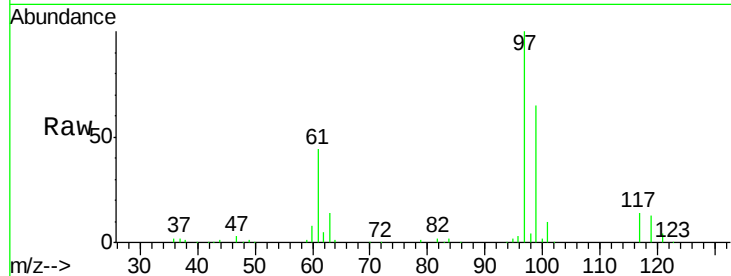




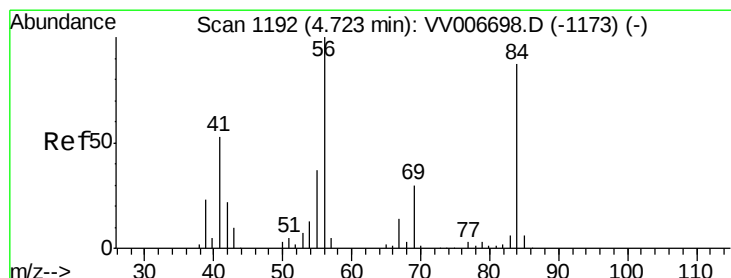
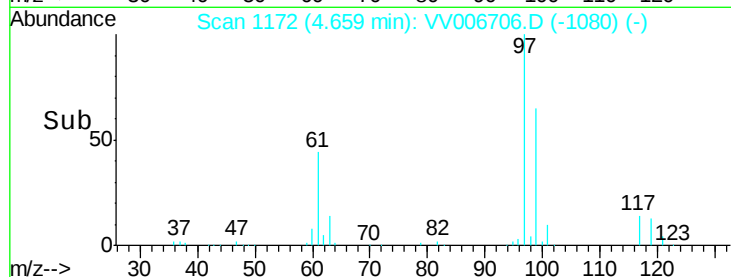
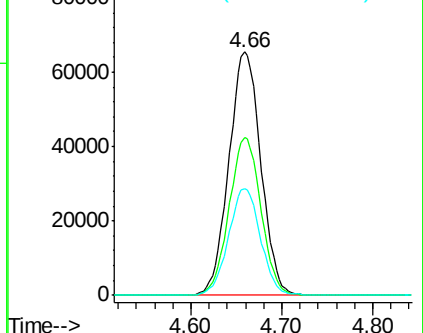
#29
 1,1,1-Trichloroethane
 Concen: 4.881 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006706.D
 Acq: 26 Jul 2018 11:35

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00561

Tgt Ion: 97 Resp: 159970
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.7 77.5
 61 43.7 34.9 52.3

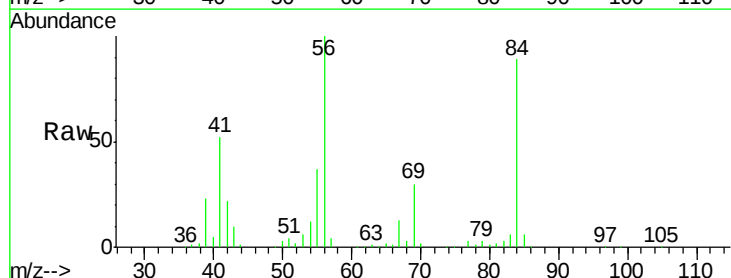


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

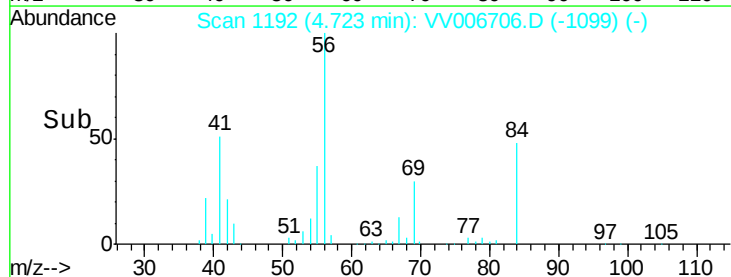
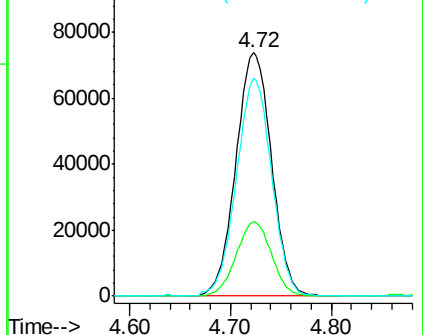


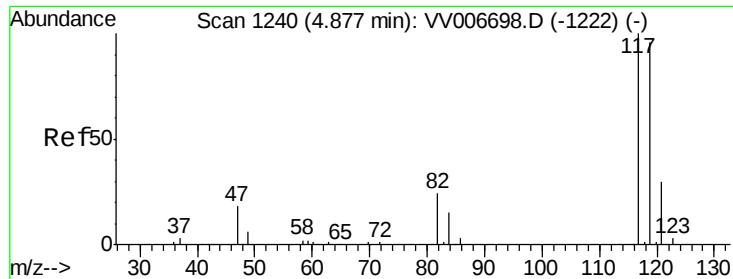
#30
 Cyclohexane
 Concen: 4.929 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV006706.D
 Acq: 26 Jul 2018 11:35

Tgt Ion: 56 Resp: 180845
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.6 36.8
 84 88.5 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: 4.976 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

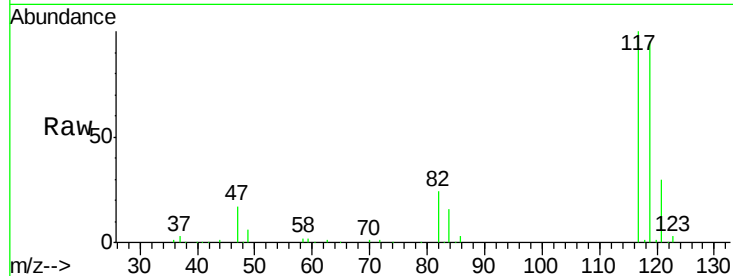
VSTD00561

Tgt Ion:117 Resp: 139396

Ion Ratio Lower Upper

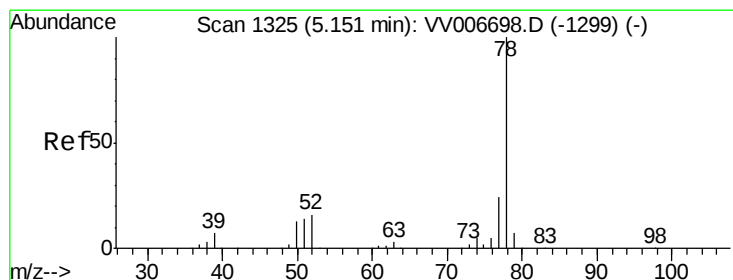
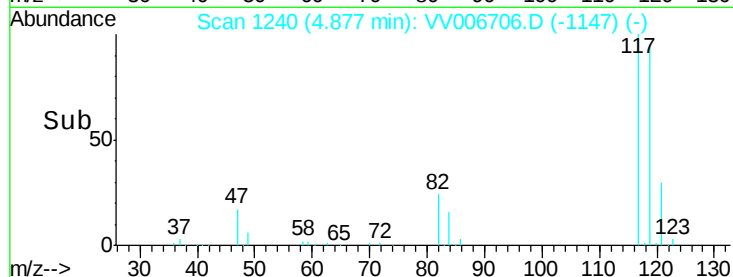
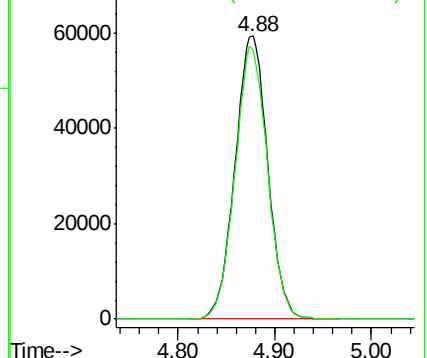
117 100

119 95.5 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: 4.866 ug/L

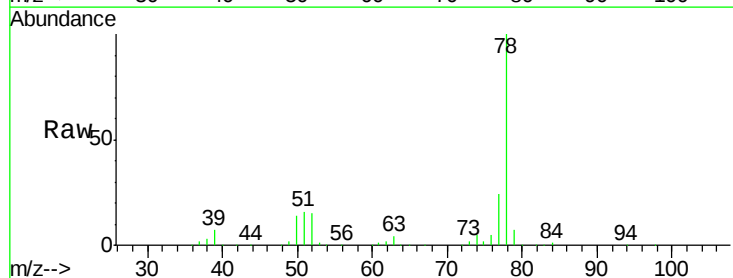
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

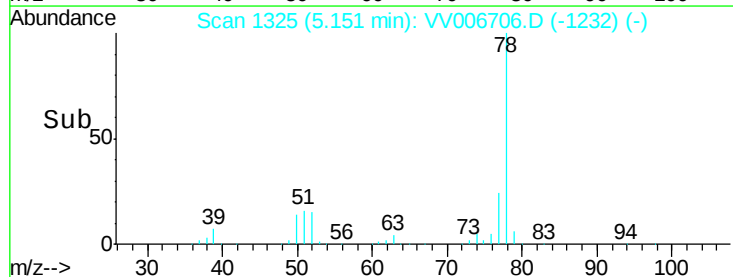
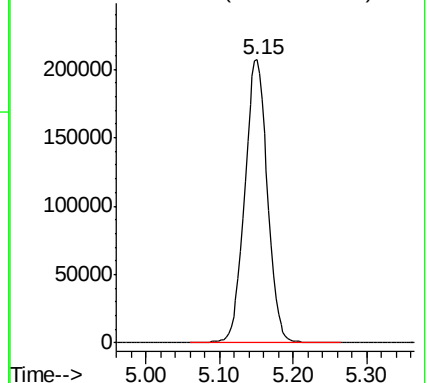
Lab File: VV006706.D

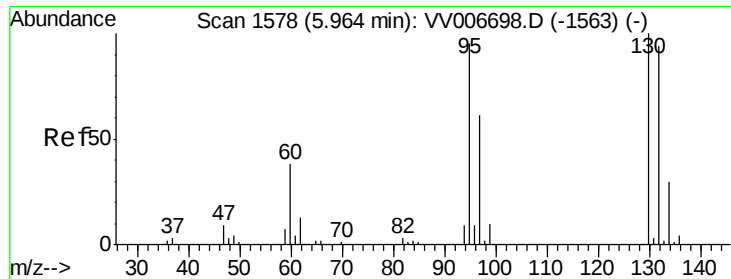
Acq: 26 Jul 2018 11:35

Tgt Ion: 78 Resp: 445630



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.821 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

Tgt Ion: 95 Resp: 111454

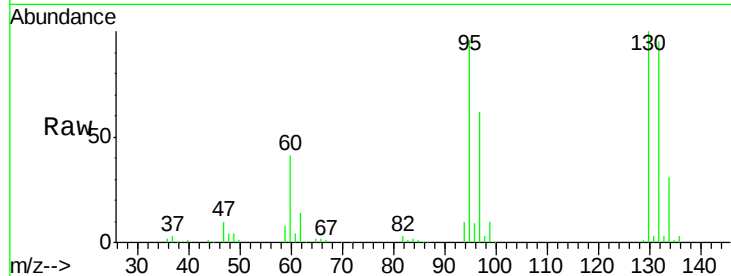
Ion Ratio Lower Upper

95 100

97 64.4 44.9 83.3

132 99.2 68.9 127.9

130 103.9 73.4 136.4

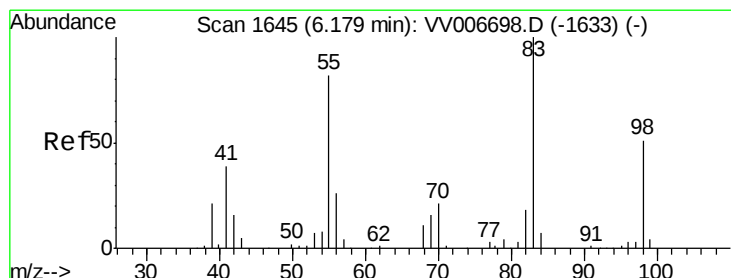
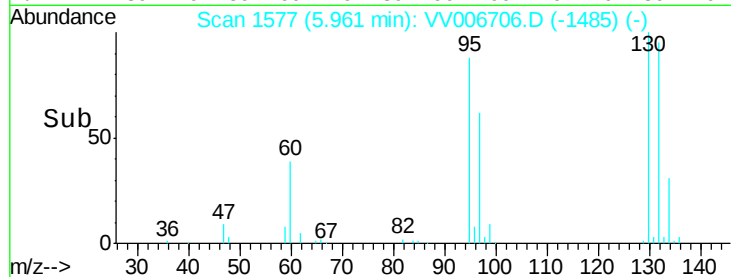
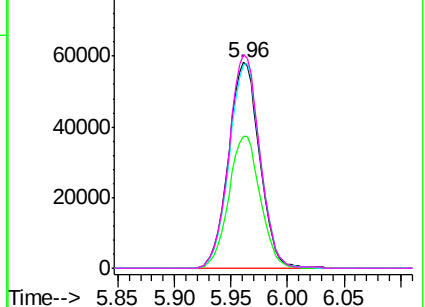


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.012 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

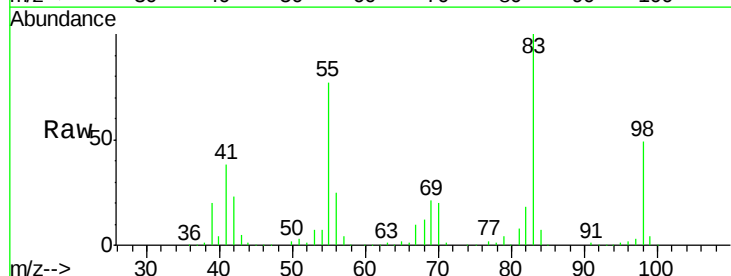
Tgt Ion: 83 Resp: 193542

Ion Ratio Lower Upper

83 100

55 77.1 61.9 92.9

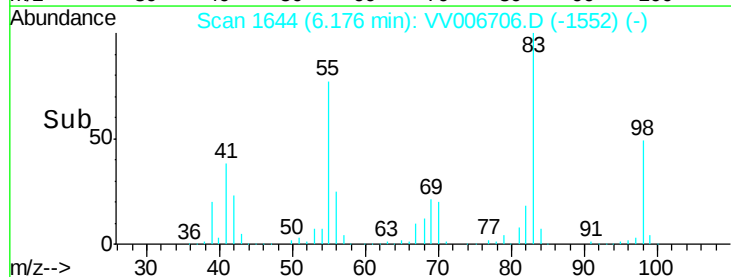
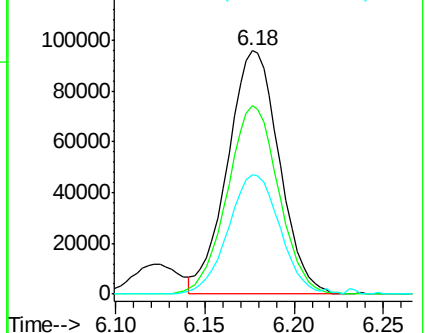
98 49.3 39.7 59.5

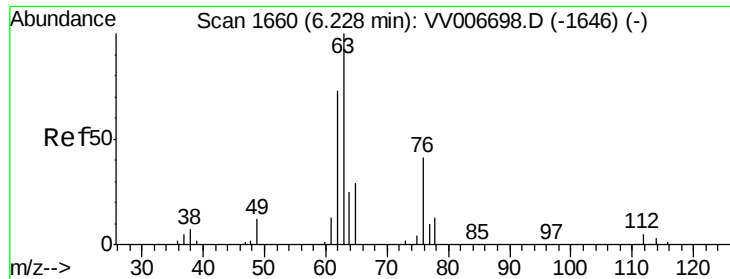


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.816 ug/L

RT: 6.22 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

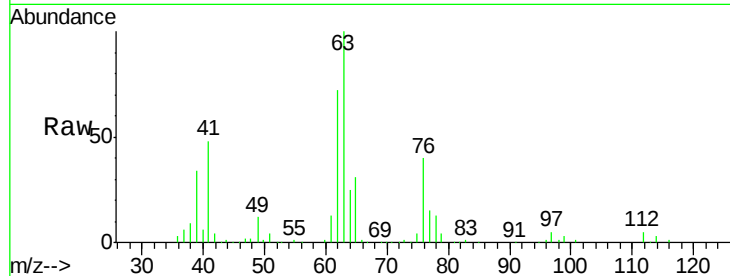
VSTD00561

Tgt Ion: 63 Resp: 113206

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6

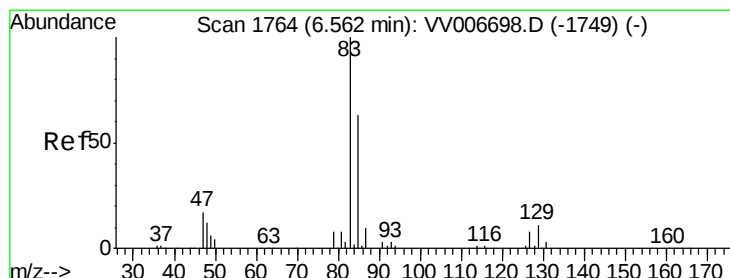
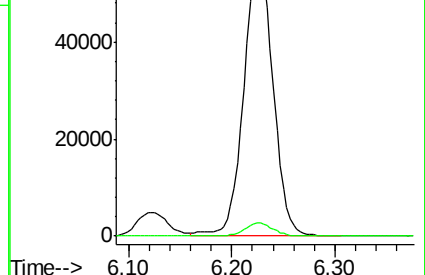
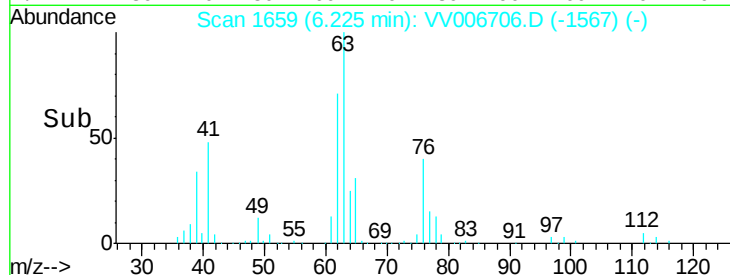


Abundance Ion 63.10 (62.80 to 63.80): VV006698.D (-1646) (-)

Ion 112.10 (111.80 to 112.80): VV006698.D (-1646) (-)

6.22

Time-->



#38

Bromodichloromethane

Concen: 4.915 ug/L

RT: 6.56 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

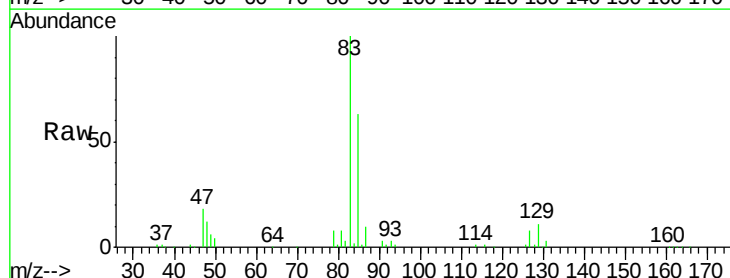
Tgt Ion: 83 Resp: 129052

Ion Ratio Lower Upper

83 100

85 63.2 44.4 82.4

127 8.1 6.6 9.8



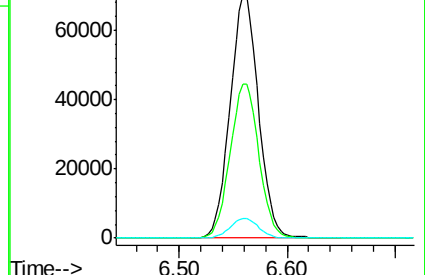
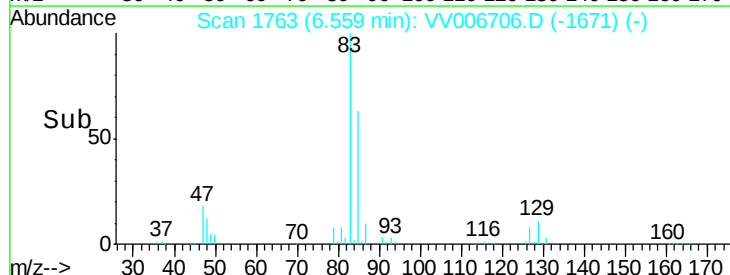
Abundance Ion 82.95 (82.65 to 83.65): VV006698.D (-1749) (-)

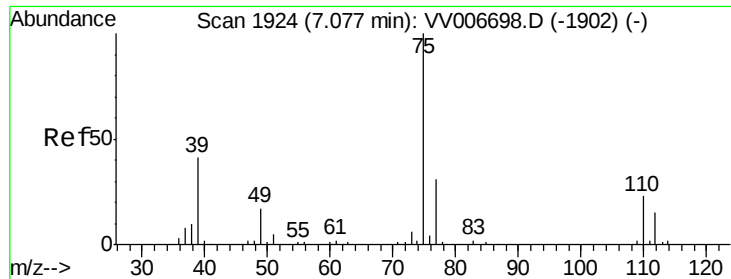
Ion 85.00 (84.70 to 85.70): VV006698.D (-1749) (-)

Ion 126.90 (126.60 to 127.60): VV006698.D (-1749) (-)

6.56

Time-->

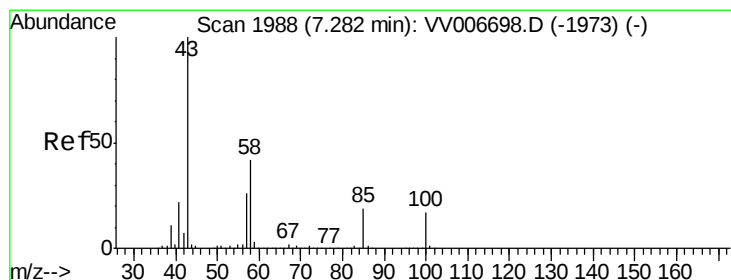
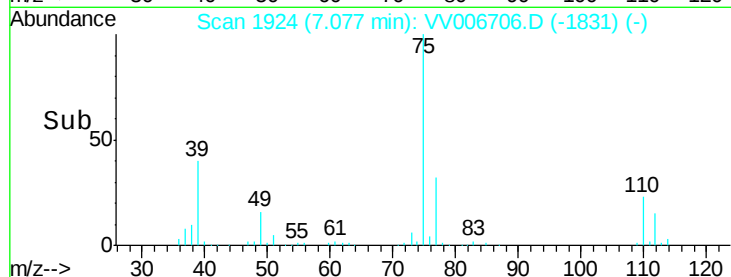
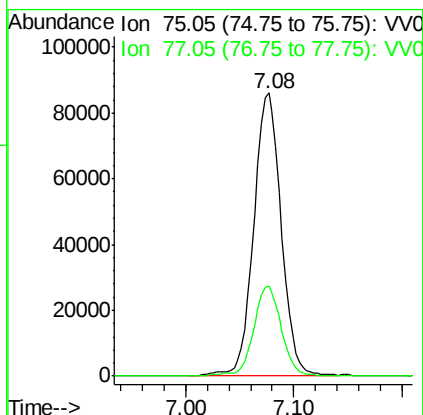
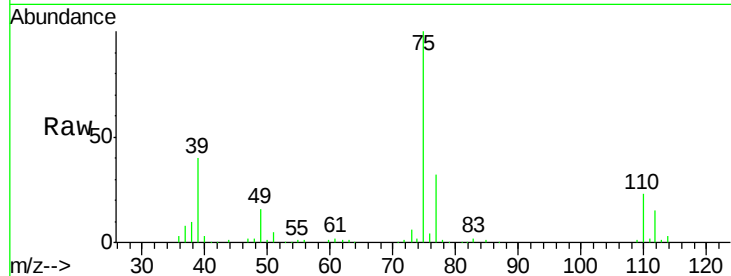




#39
 cis-1,3-Dichloropropene
 Concen: 4.967 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006706.D
 Acq: 26 Jul 2018 11:35

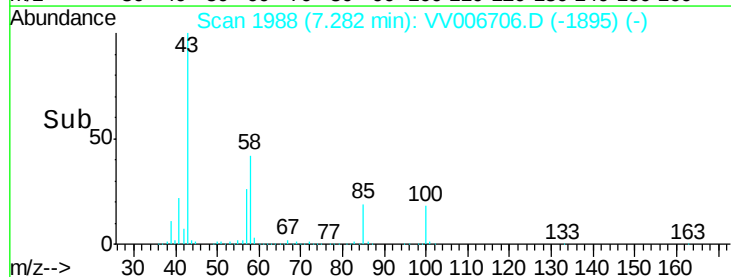
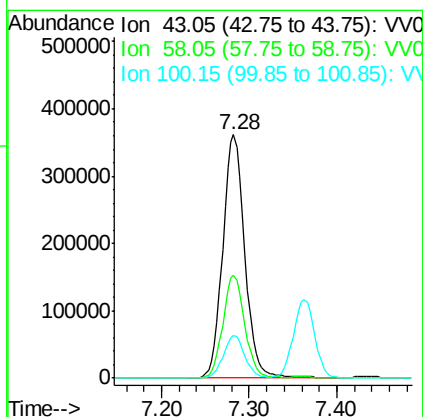
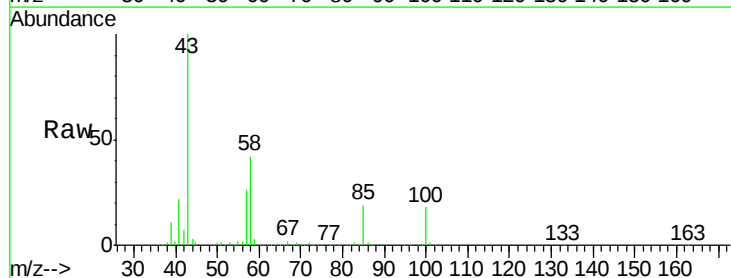
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

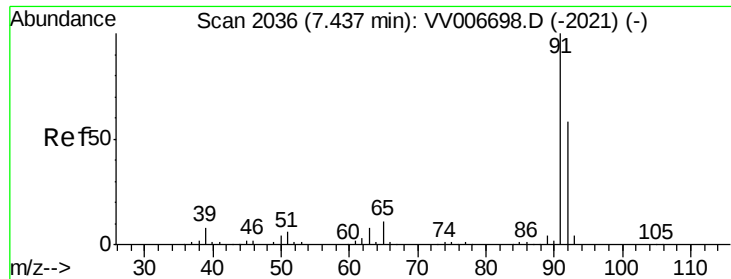
Tgt Ion: 75 Resp: 152096
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 48.928 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006706.D
 Acq: 26 Jul 2018 11:35

Tgt Ion: 43 Resp: 632260
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.4 50.0
 100 16.9 13.6 20.4





#42

Toluene

Concen: 4.930 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

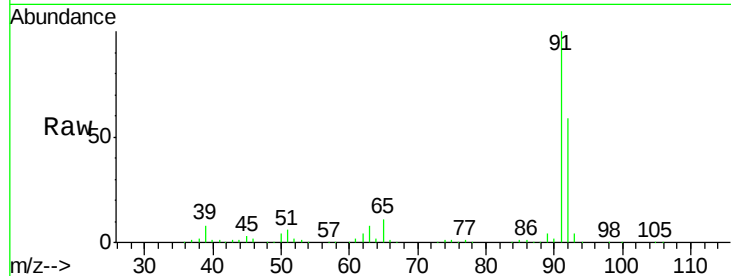
VSTD00561

Tgt Ion: 91 Resp: 464820

Ion Ratio Lower Upper

91 100

92 59.1 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV006698.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VV006698.D (-2021) (-)

7.43

300000

250000

200000

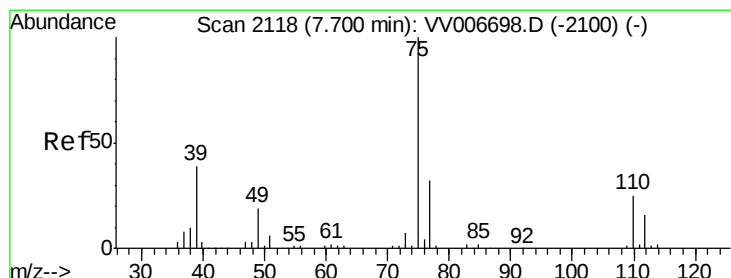
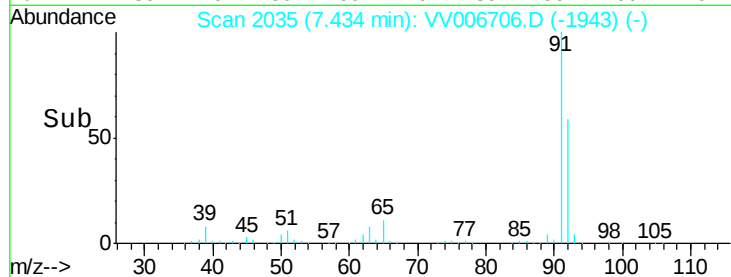
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.987 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006706.D

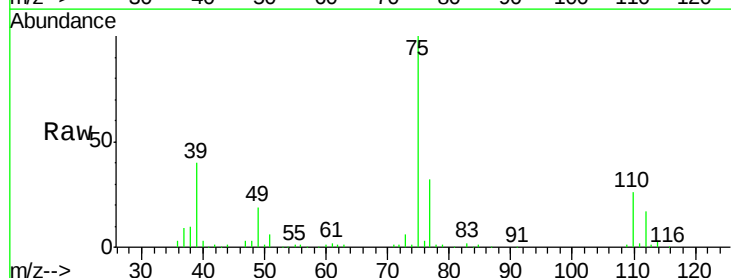
Acq: 26 Jul 2018 11:35

Tgt Ion: 75 Resp: 120067

Ion Ratio Lower Upper

75 100

77 31.9 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV006698.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006698.D (-2100) (-)

7.70

80000

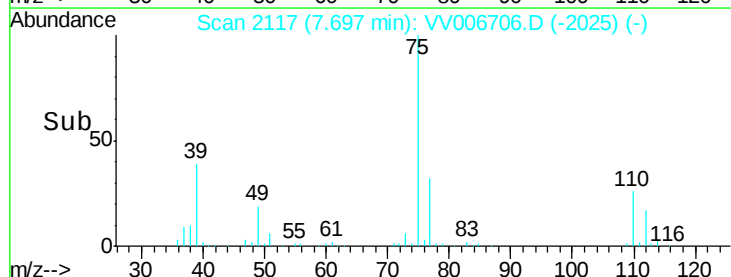
60000

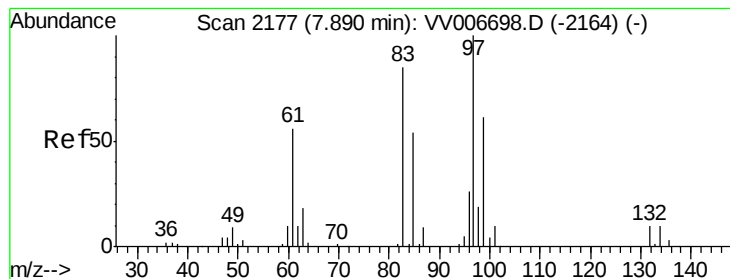
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.807 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

Tgt Ion: 97 Resp: 76110

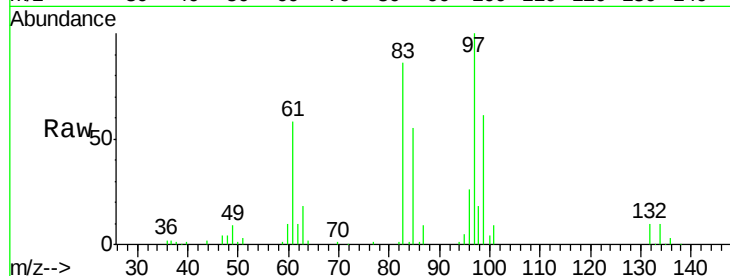
Ion Ratio Lower Upper

97 100

99 60.8 43.0 79.8

83 85.8 59.4 110.4

85 54.5 37.5 69.7

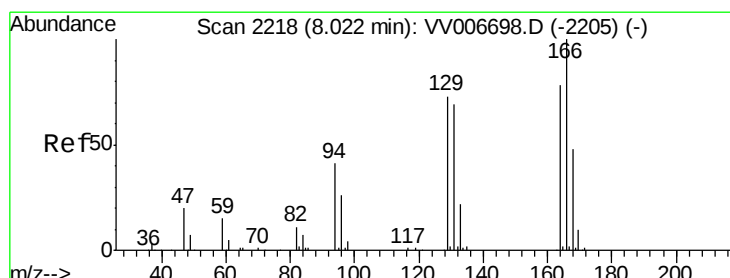
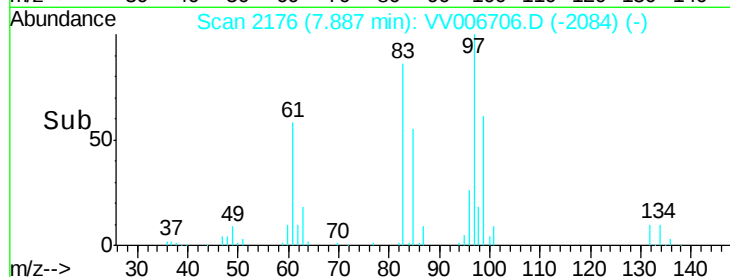
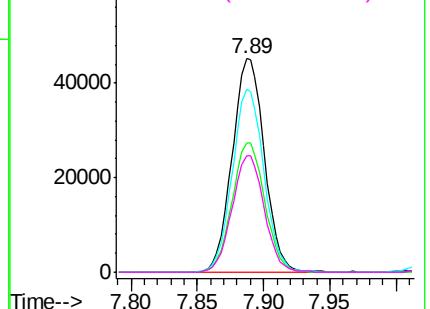


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 4.973 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Tgt Ion: 164 Resp: 91303

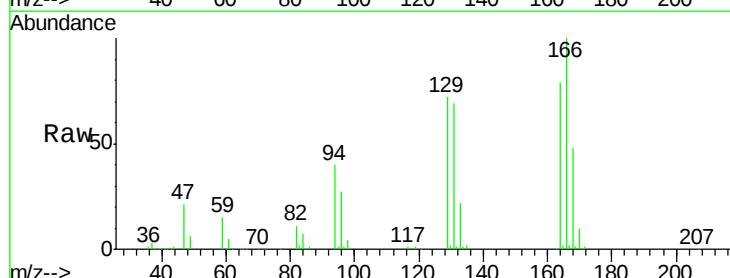
Ion Ratio Lower Upper

164 100

129 91.8 65.0 120.8

131 87.9 61.9 115.1

166 127.3 89.3 165.9

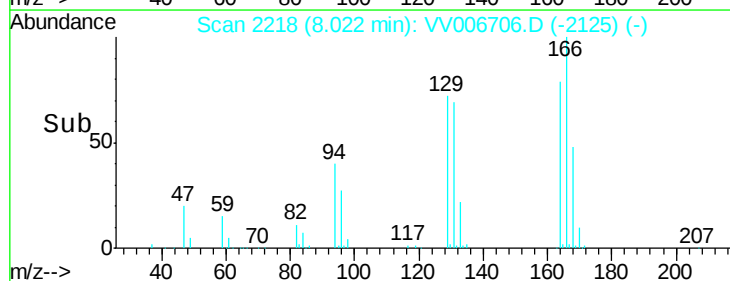
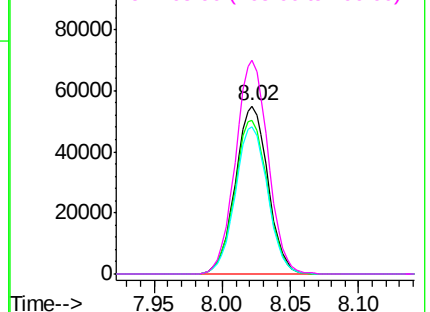


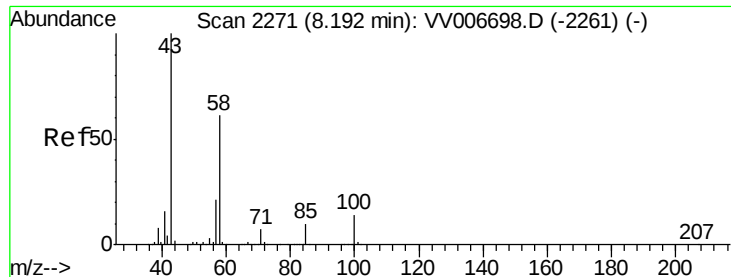
Abundance Ion 163.90 (163.60 to 164.60): V

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

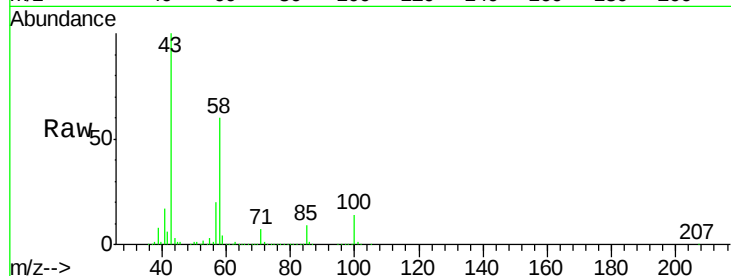




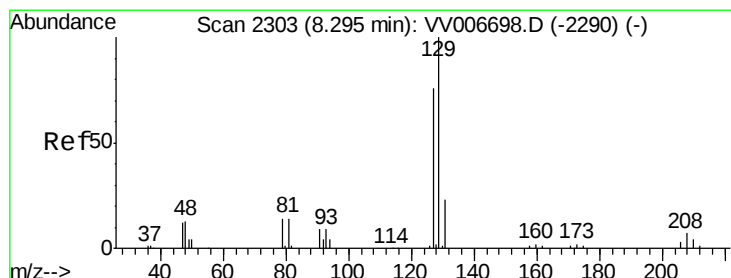
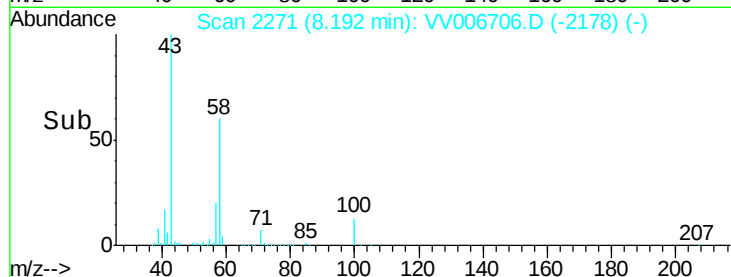
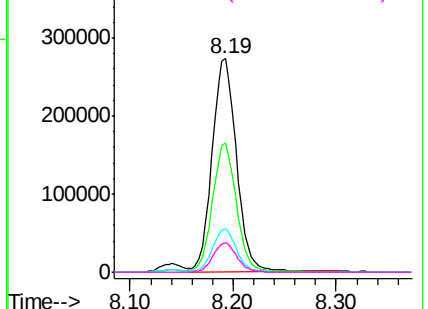
#48
2-Hexanone
Concen: 49.797 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Tgt Ion: 43 Resp: 449006
Ion Ratio Lower Upper
43 100
58 59.3 47.2 70.8
57 19.9 16.1 24.1
100 13.7 11.1 16.7

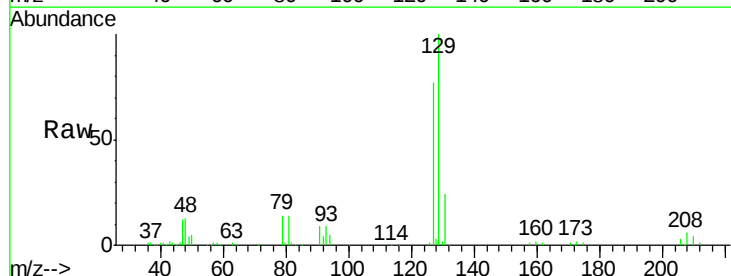


Abundance Ion 43.05 (42.75 to 43.75): VV006698.D (-2261) (-)
Ion 58.05 (57.75 to 58.75): VV006698.D (-2261) (-)
Ion 57.20 (56.90 to 57.90): VV006698.D (-2261) (-)
Ion 100.15 (99.85 to 100.85): VV006698.D (-2261) (-)

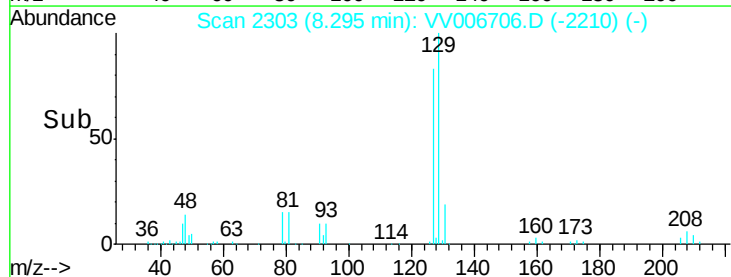
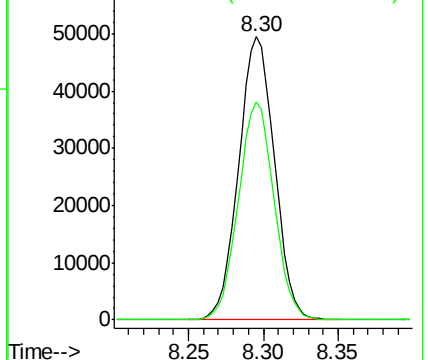


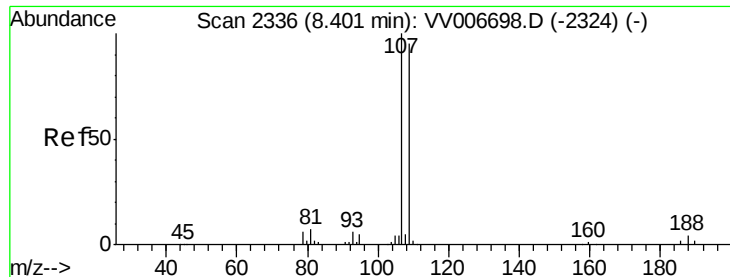
#49
Dibromochloromethane
Concen: 4.928 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Tgt Ion: 129 Resp: 82570
Ion Ratio Lower Upper
129 100
127 76.9 53.5 99.5



Abundance Ion 128.95 (128.65 to 129.65): VV006698.D (-2290) (-)
Ion 126.90 (126.60 to 127.60): VV006698.D (-2290) (-)

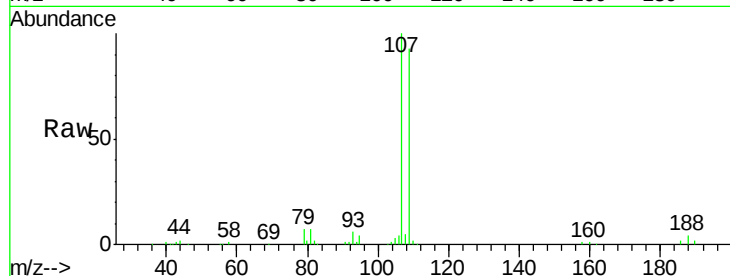




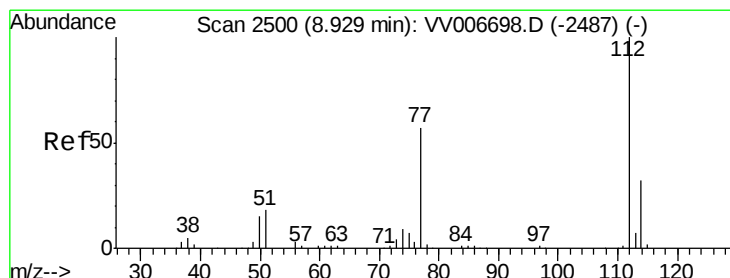
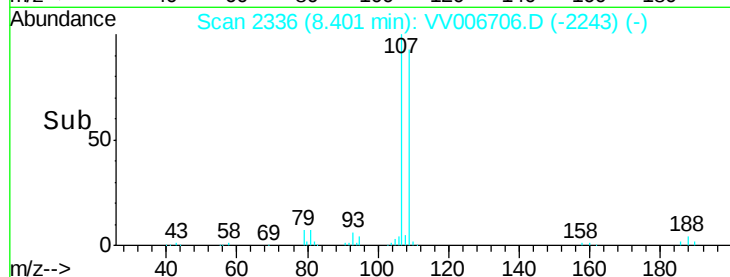
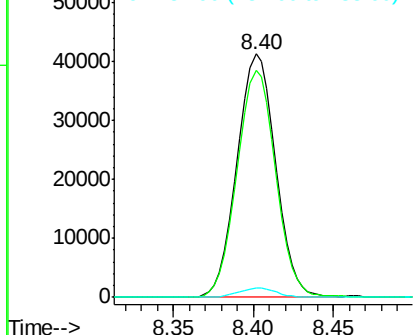
#50
1,2-Dibromoethane
Concen: 4.788 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Instrument :
MSVOA_V
ClientSampled :
VSTD00561

Tgt Ion:107 Resp: 67744
Ion Ratio Lower Upper
107 100
109 93.5 66.8 124.0
188 3.7 3.1 4.7

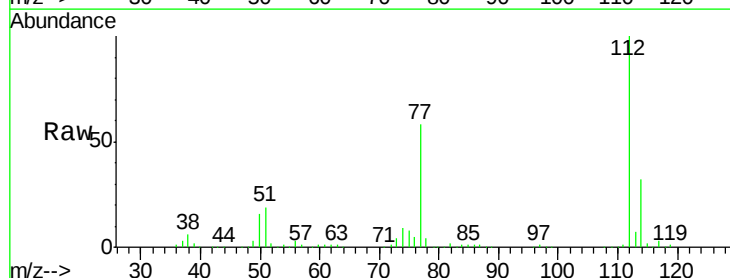


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

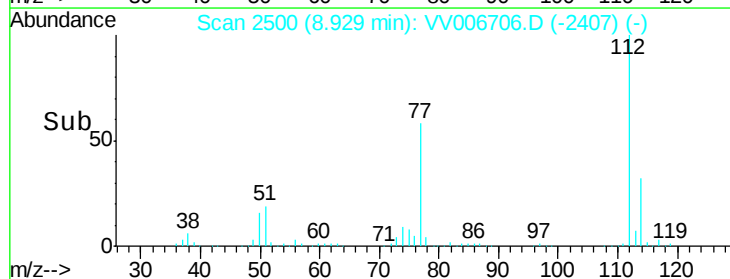
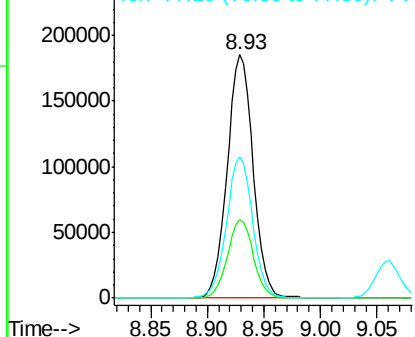


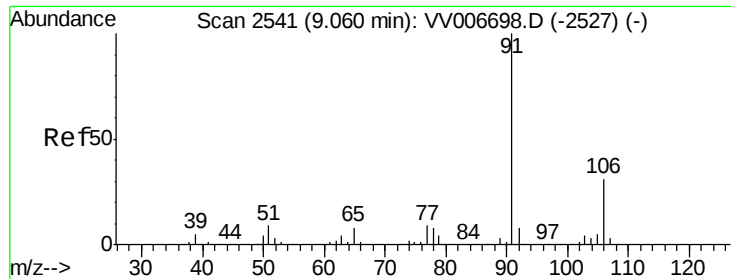
#51
Chlorobenzene
Concen: 4.821 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006706.D
Acq: 26 Jul 2018 11:35

Tgt Ion:112 Resp: 295710
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.9
77 58.2 46.2 69.2



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





#52

Ethylbenzene

Concen: 4.965 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

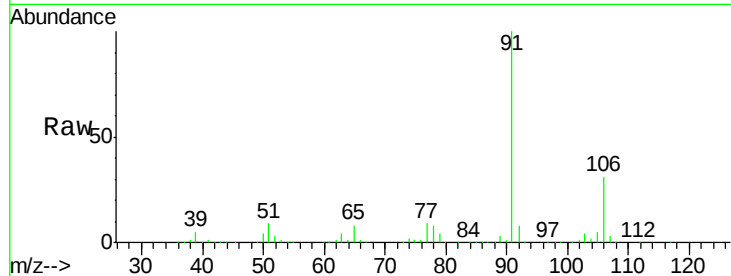
VSTD00561

Tgt Ion: 91 Resp: 499076

Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VV006706.D (-2448) (-)

Ion 106.15 (105.85 to 106.85): VV006706.D (-2448) (-)

9.06

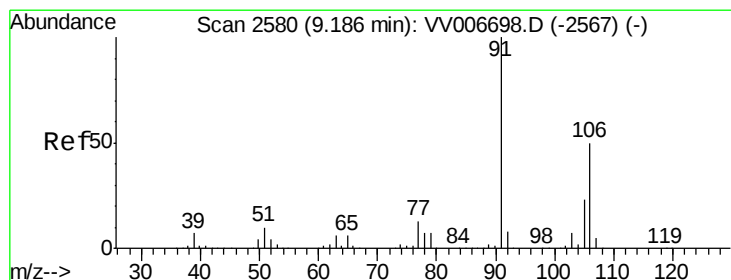
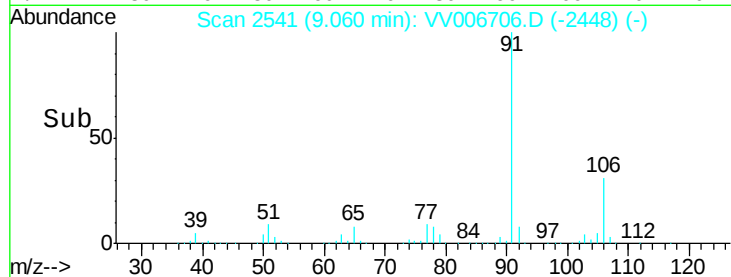
300000

200000

100000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 5.102 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006706.D

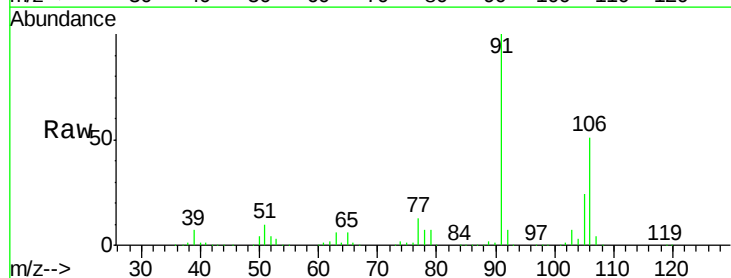
Acq: 26 Jul 2018 11:35

Tgt Ion: 106 Resp: 193596

Ion Ratio Lower Upper

106 100

91 197.7 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006706.D (-2487) (-)

Ion 91.15 (90.85 to 91.85): VV006706.D (-2487) (-)

9.19

250000

200000

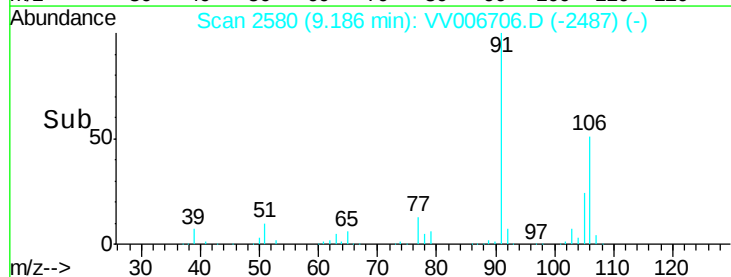
150000

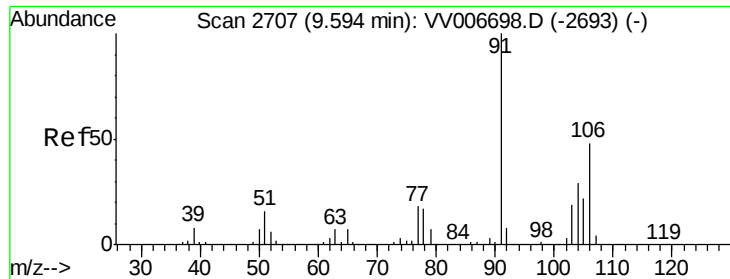
100000

50000

0

Time--> 9.10 9.20 9.30





#54

o-xylene

Concen: 4.963 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

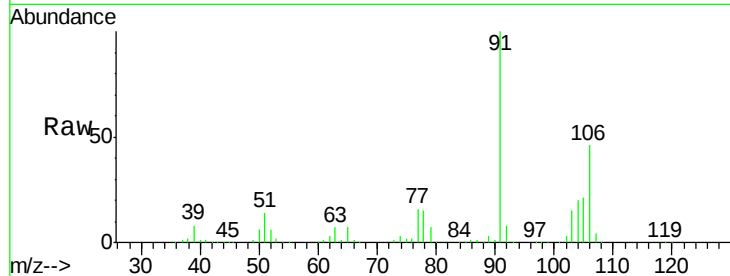
VSTD00561

Tgt Ion:106 Resp: 183445

Ion Ratio Lower Upper

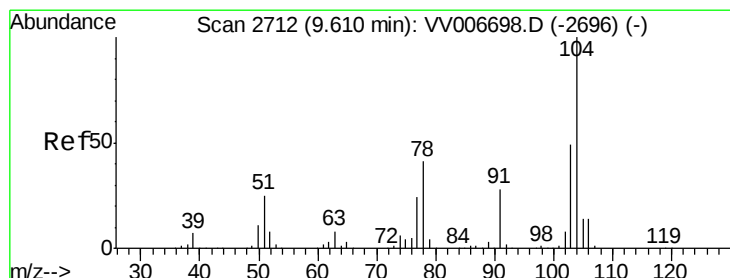
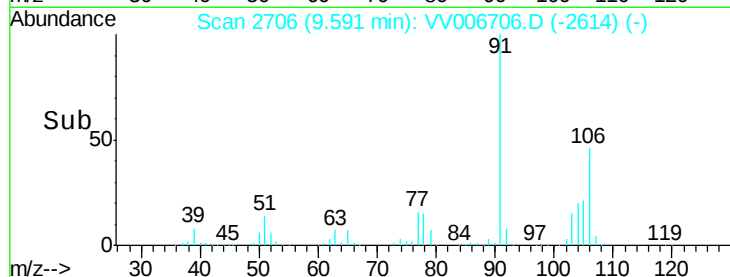
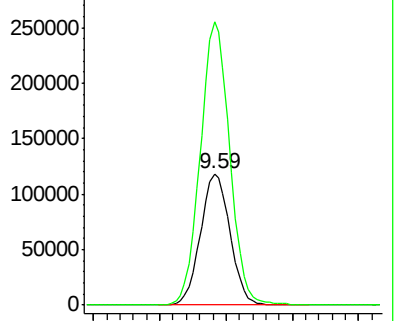
106 100

91 215.9 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.058 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006706.D

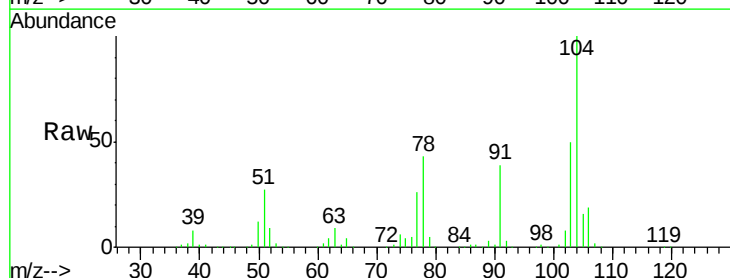
Acq: 26 Jul 2018 11:35

Tgt Ion:104 Resp: 315352

Ion Ratio Lower Upper

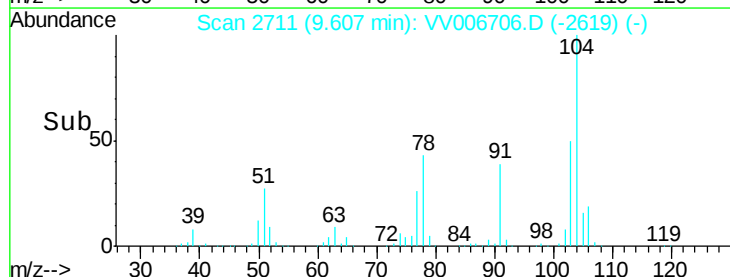
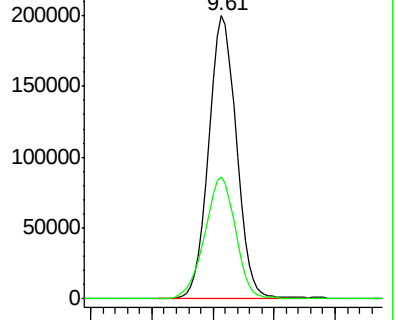
104 100

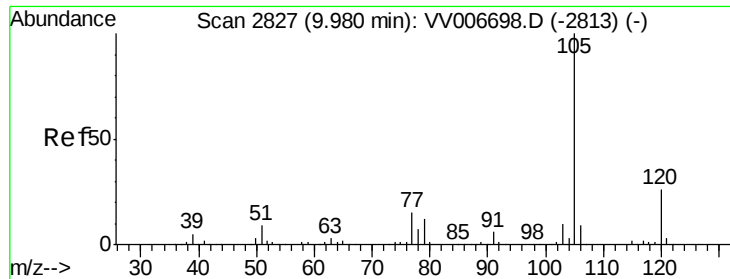
78 43.0 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.071 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

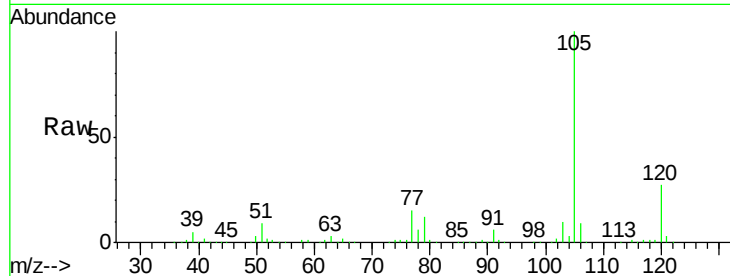
Tgt Ion:105 Resp: 486768

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

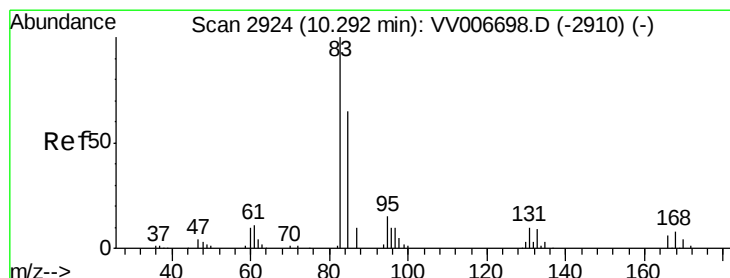
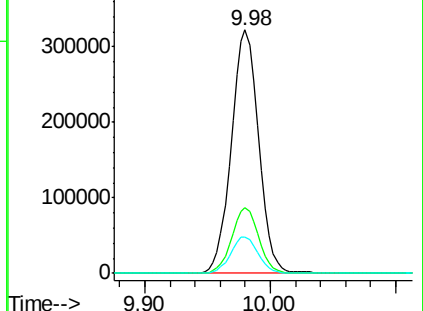
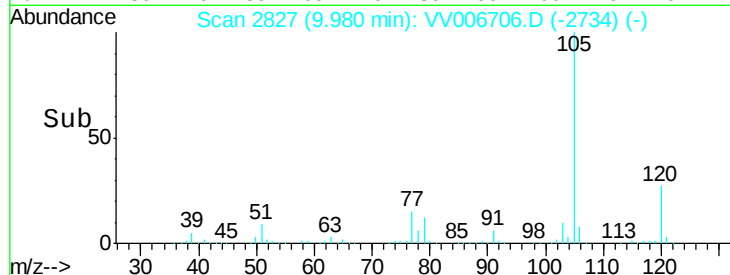
77 15.0 12.2 18.2



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: 4.603 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

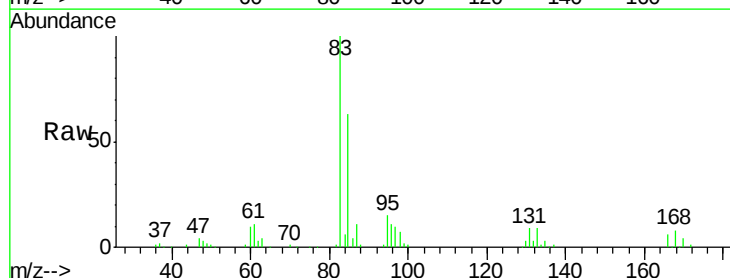
Tgt Ion: 83 Resp: 89140

Ion Ratio Lower Upper

83 100

85 63.5 45.6 84.6

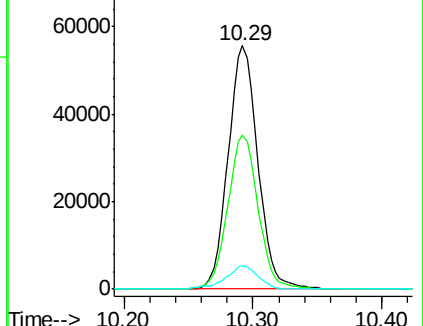
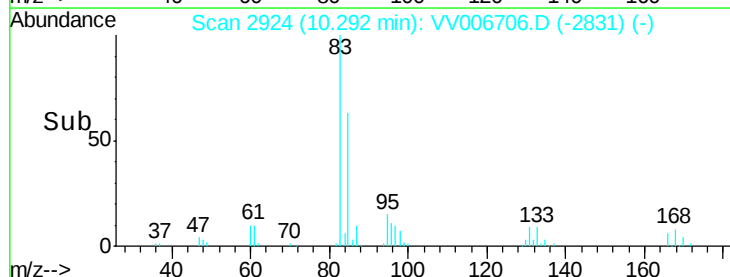
131 9.5 8.0 12.0

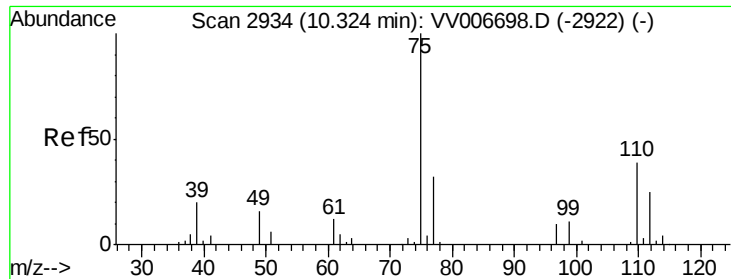


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.654 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

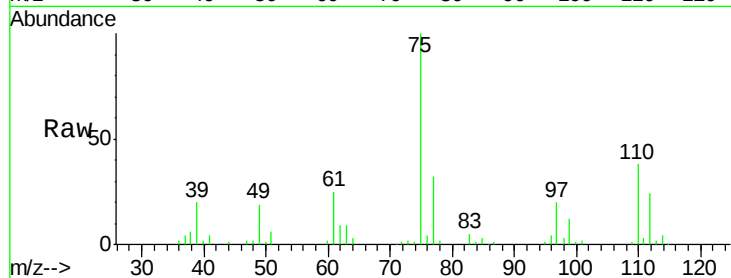
VSTD00561

Tgt Ion: 75 Resp: 64390

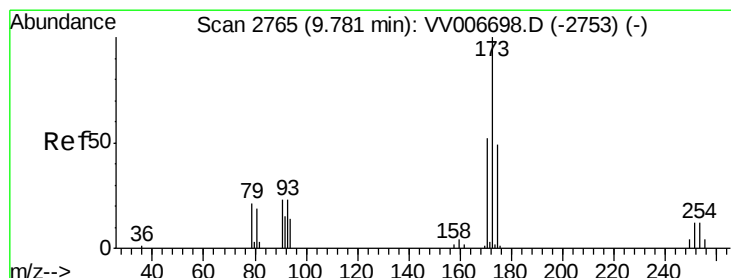
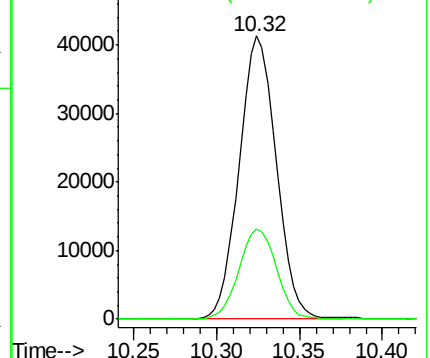
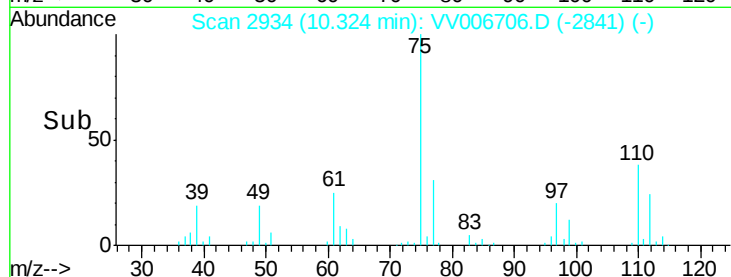
Ion Ratio Lower Upper

75 100

77 32.4 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV006706.D (-2841) (-)



#61

Bromoform

Concen: 4.762 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

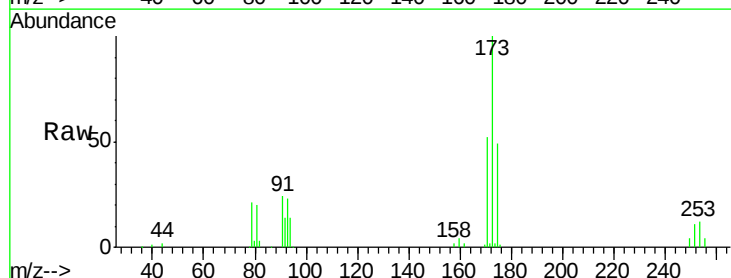
Tgt Ion: 173 Resp: 42403

Ion Ratio Lower Upper

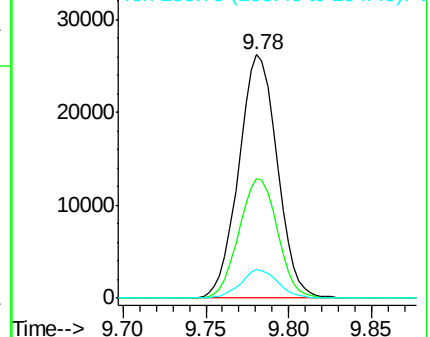
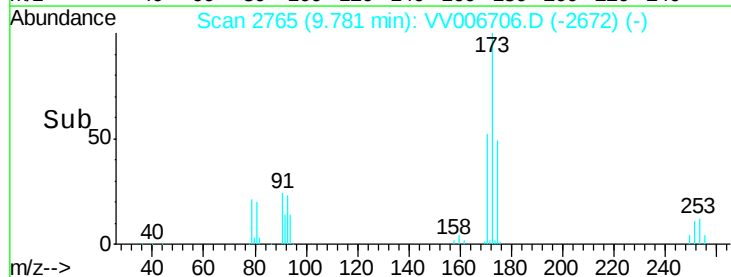
173 100

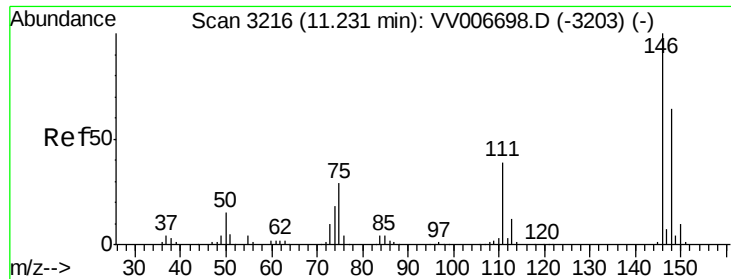
175 49.1 39.1 58.7

254 11.2 9.1 13.7



Abundance Ion 172.90 (172.60 to 173.60): VV006706.D (-2672) (-)

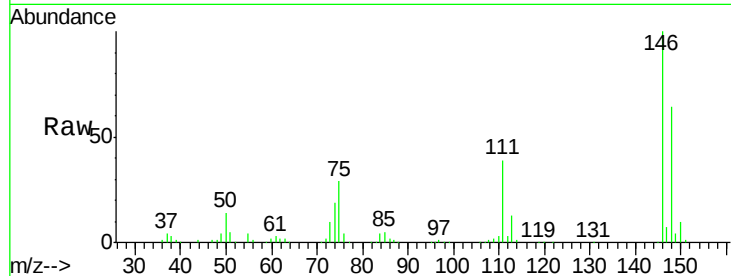




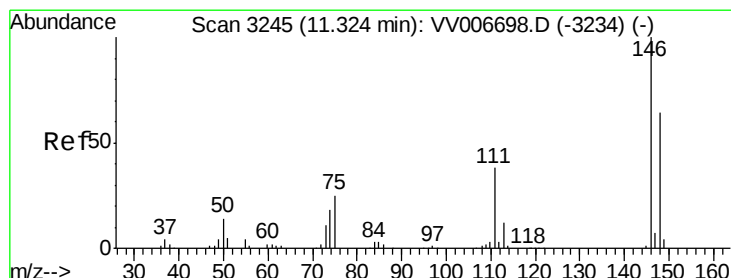
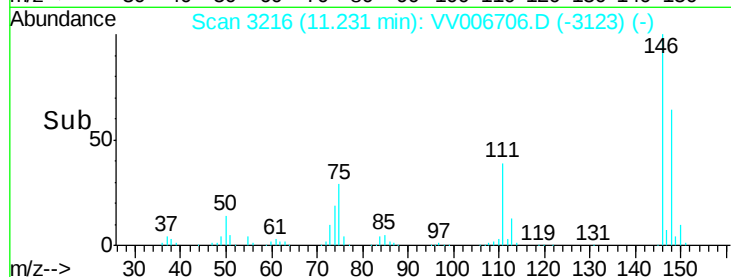
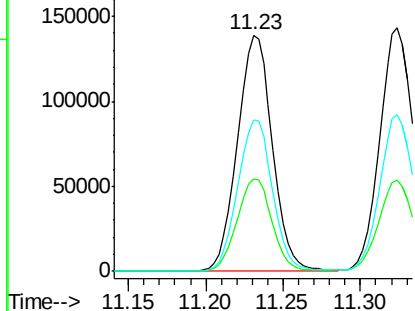
#62
 1,3-Dichlorobenzene
 Concen: 4.809 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006706.D
 Acq: 26 Jul 2018 11:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tgt Ion:146 Resp: 217788
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.5 51.1
 148 64.3 44.5 82.7

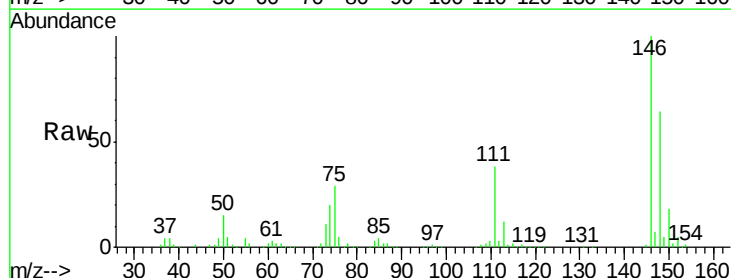


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

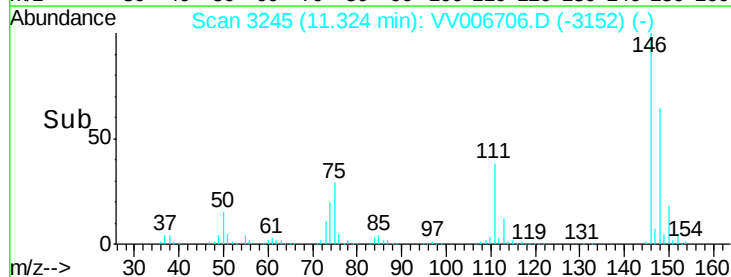
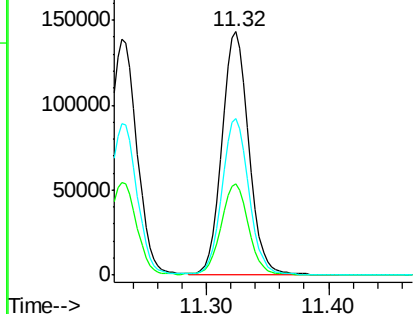


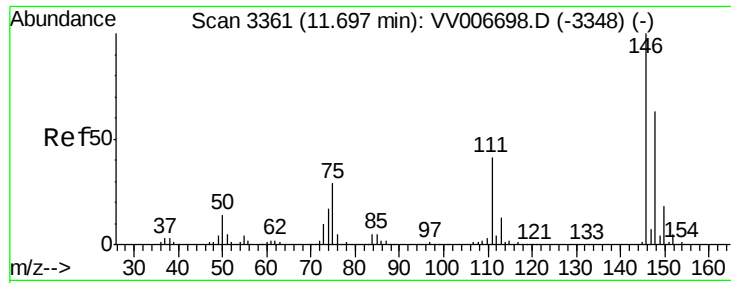
#63
 1,4-Dichlorobenzene
 Concen: 4.834 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006706.D
 Acq: 26 Jul 2018 11:35

Tgt Ion:146 Resp: 223119
 Ion Ratio Lower Upper
 146 100
 111 37.5 27.0 50.2
 148 64.1 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.723 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

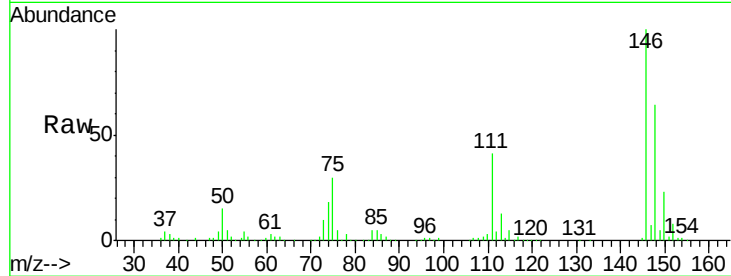
Tgt Ion: 146 Resp: 208368

Ion Ratio Lower Upper

146 100

111 40.6 32.9 49.3

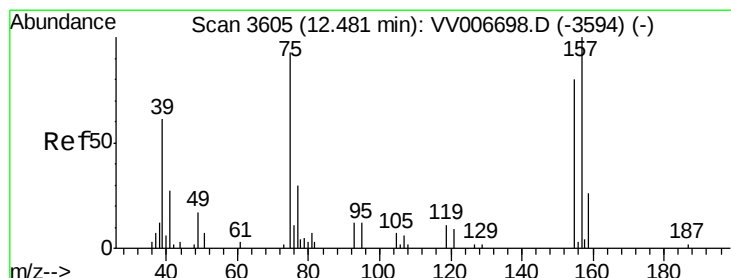
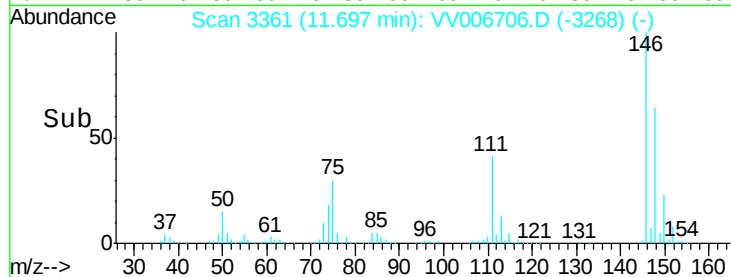
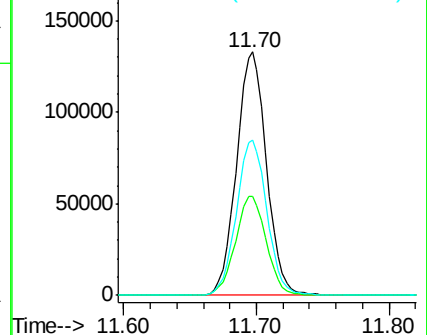
148 63.9 50.2 75.4



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: 4.616 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

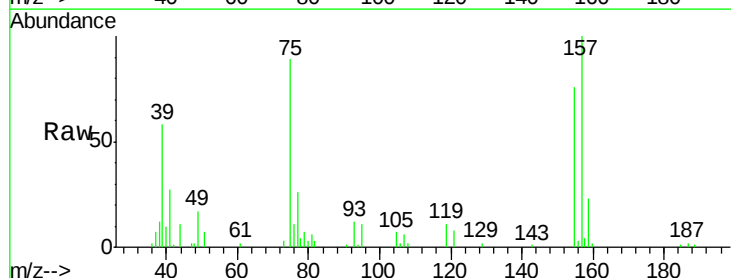
Tgt Ion: 75 Resp: 12187

Ion Ratio Lower Upper

75 100

155 85.2 68.8 103.2

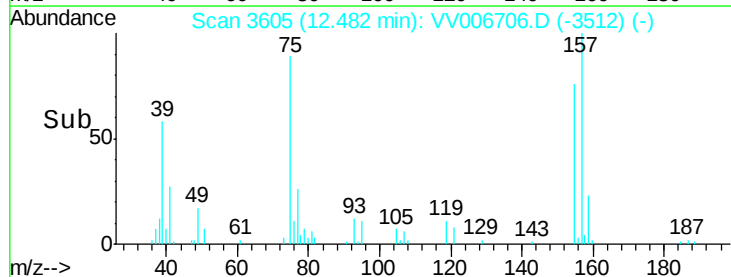
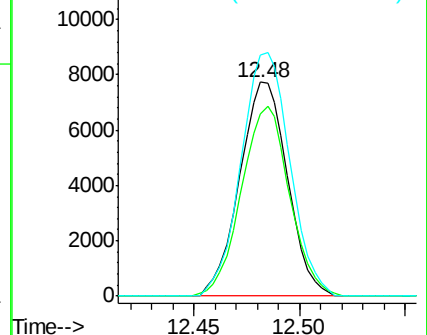
157 112.5 85.6 128.4

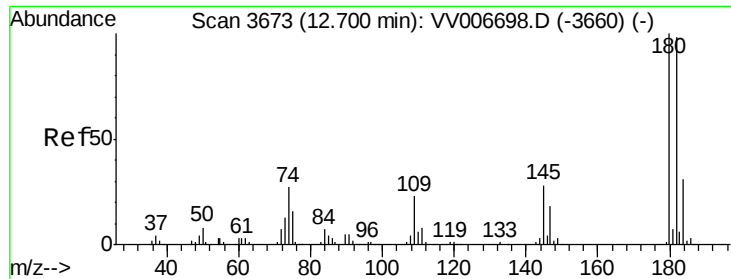


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

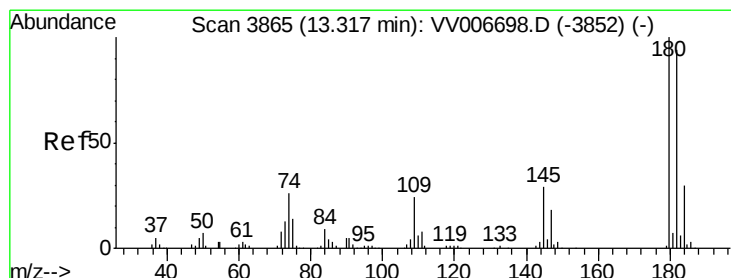
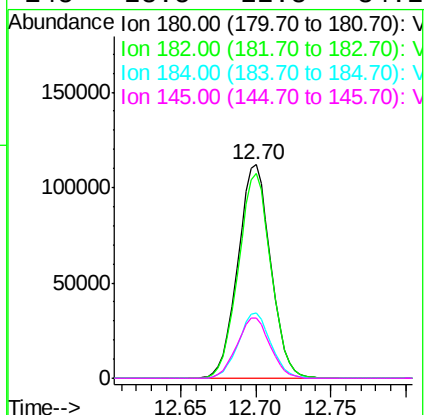
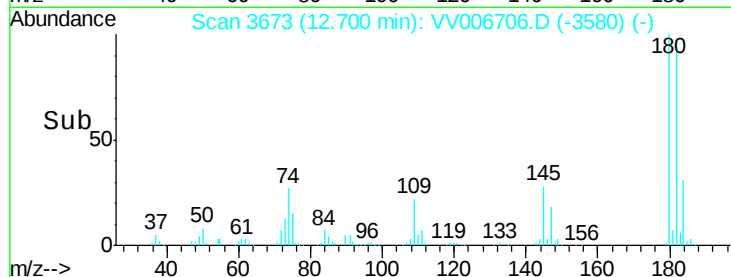
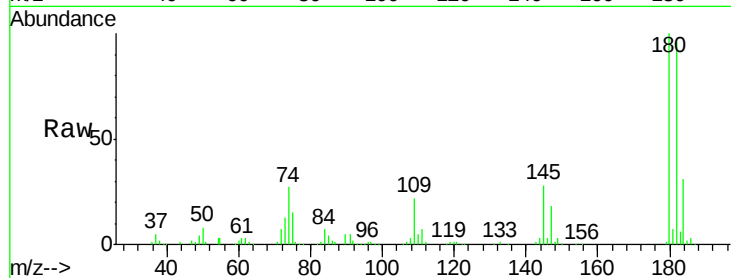




#67
 1,3,5-Trichlorobenzene
 Concen: 4.931 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006706.D
 Acq: 26 Jul 2018 11:35

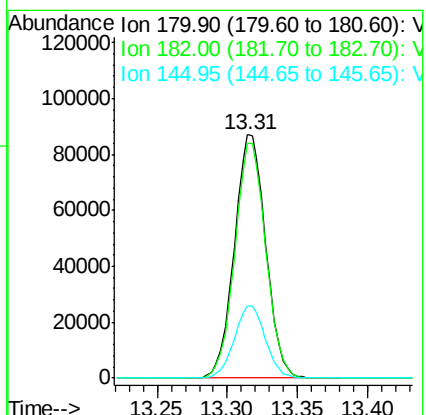
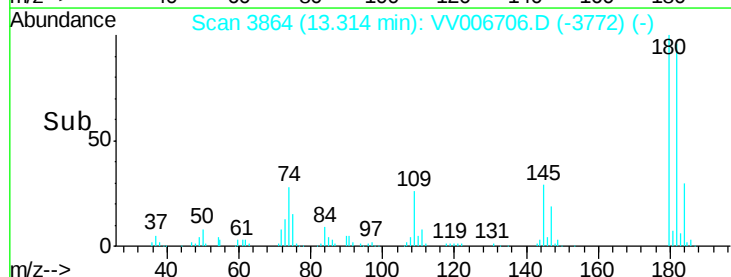
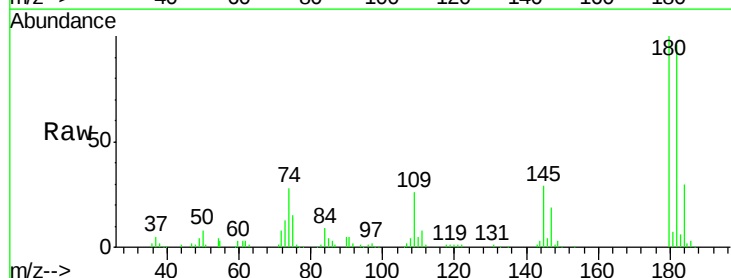
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

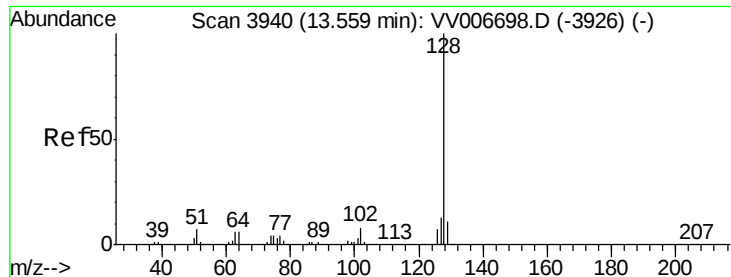
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.8	115.2
184	30.5	24.6	37.0
145	28.5	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 4.930 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV006706.D
 Acq: 26 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	29.3	23.4	35.0





#69

Naphthalene

Concen: 4.830 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

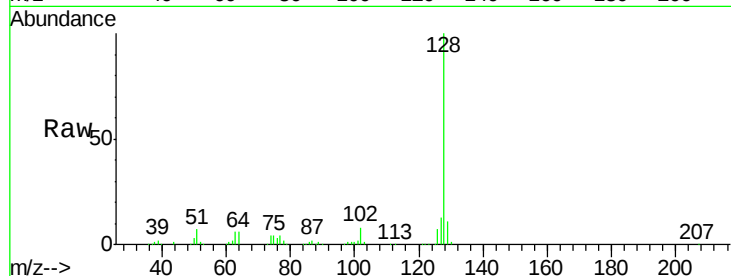
Tgt Ion:128 Resp: 227037

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

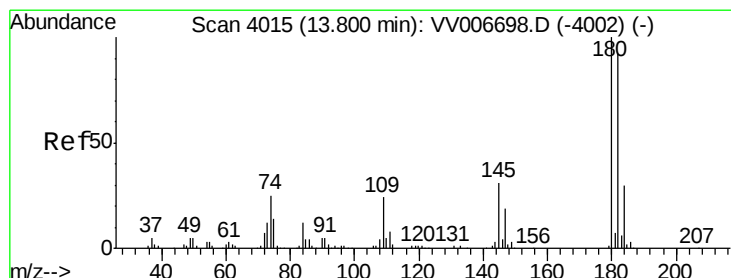
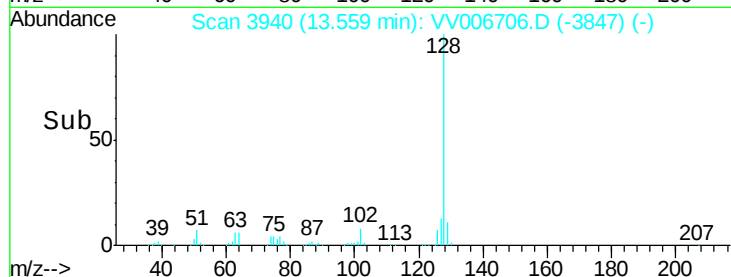
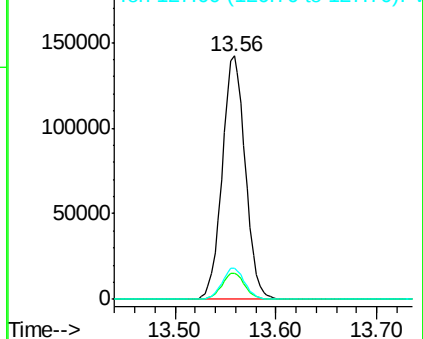
127 12.6 10.3 15.5



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: 4.907 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006706.D

Acq: 26 Jul 2018 11:35

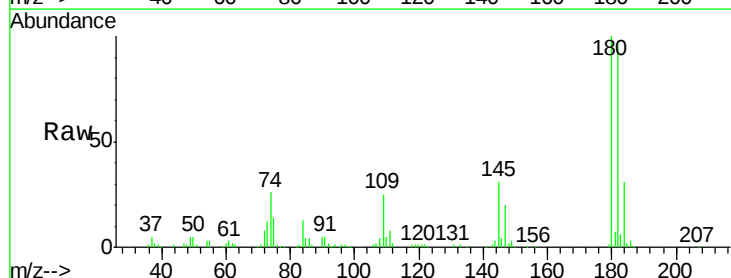
Tgt Ion:180 Resp: 127572

Ion Ratio Lower Upper

180 100

182 95.8 75.3 112.9

145 31.2 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

