

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071318\
 Data File : VV006611.D
 Acq On : 13 Jul 2018 23:34
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00522

Quant Time: Jul 14 00:32:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 14 00:30:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	283876	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	255654	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	120308	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84788	5.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.80%
7) Chloroethane-d5	1.58	69	68377	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.13	63	150316	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.80%
20) 2-Butanone-d5	3.95	46	200533	51.15	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.30%
24) Chloroform-d	4.41	84	159883	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.09	65	74467	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.10	84	327872	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.12	67	101737	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.36	98	295610	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
43) trans-1,3-Dichloropropene-	7.67	79	34328	5.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.00%
46) 2-Hexanone-d5	8.14	63	186135	57.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.90%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	78223	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	107235	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	95931	4.309 ug/L	99
3) Chloromethane	1.26	50	97789	3.591 ug/L	100
5) Vinyl chloride	1.32	62	116122	4.595 ug/L #	36
6) Bromomethane	1.53	94	5839	0.498 ug/L	95
8) Chloroethane	1.59	64	75451	4.919 ug/L	91
9) Trichlorofluoromethane	1.77	101	134331	4.724 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	83033	4.726 ug/L	99
12) 1,1-Dichloroethene	2.14	96	85328	4.801 ug/L	92
13) Acetone	2.20	43	122417	49.375 ug/L	99
14) Carbon disulfide	2.32	76	259230	4.876 ug/L	99
15) Methyl Acetate	2.46	43	36772	5.038 ug/L	98
16) Methylene chloride	2.54	84	103617	5.170 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	226052	5.369 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	97244	5.015 ug/L	95
19) 1,1-Dichloroethane	3.23	63	170243	5.059 ug/L	100
21) 2-Butanone	4.04	43	213376	52.452 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	107843	5.177 ug/L	98

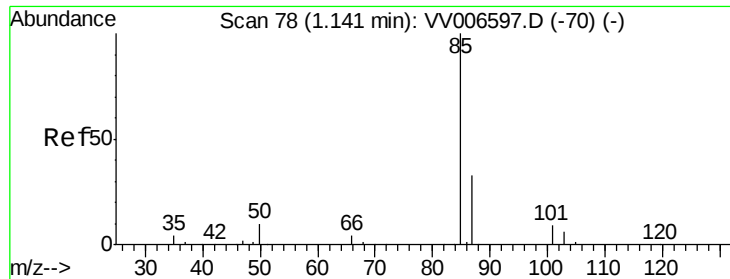
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071318\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 14 00:30:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	46377	5.435	ug/L	97
25) Chloroform	4.43	83	171943	5.137	ug/L	97
27) 1,2-Dichloroethane	5.19	62	95817	5.040	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	135289	5.051	ug/L	99
30) Cyclohexane	4.73	56	120213	4.218	ug/L	96
31) Carbon tetrachloride	4.88	117	108440	4.839	ug/L	99
33) Benzene	5.15	78	391277	5.128	ug/L	100
34) Trichloroethene	5.96	95	95807	4.895	ug/L	96
35) Methylcyclohexane	6.18	83	137865	4.374	ug/L	99
37) 1,2-Dichloropropane	6.23	63	96610	5.177	ug/L	99
38) Bromodichloromethane	6.56	83	112611	5.351	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	127389	5.085	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	504883	53.370	ug/L	98
42) Toluene	7.44	91	395821	4.987	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	99631	5.152	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	71398	5.468	ug/L	98
47) Tetrachloroethene	8.02	164	77086	4.790	ug/L	99
48) 2-Hexanone	8.19	43	361852	53.946	ug/L	99
49) Dibromochloromethane	8.30	129	74835	5.495	ug/L	95
50) 1,2-Dibromoethane	8.40	107	63764	5.364	ug/L	99
51) Chlorobenzene	8.93	112	259235	4.993	ug/L	99
52) Ethylbenzene	9.06	91	404836	4.801	ug/L	100
53) m,p-xylene	9.19	106	157030	4.833	ug/L	100
54) o-xylene	9.59	106	158444	4.982	ug/L	98
55) Styrene	9.61	104	268540	5.022	ug/L	99
56) Isopropylbenzene	9.98	105	389140	4.771	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	83805	5.439	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	60359	5.435	ug/L	100
61) Bromoform	9.78	173	37471	5.437	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	188130	4.958	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	192056	4.979	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	188901	5.153	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	10480	5.350	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	147452	4.905	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	119719	5.005	ug/L	99
69) Naphthalene	13.56	128	209869	5.167	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	118332	5.278	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.309 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

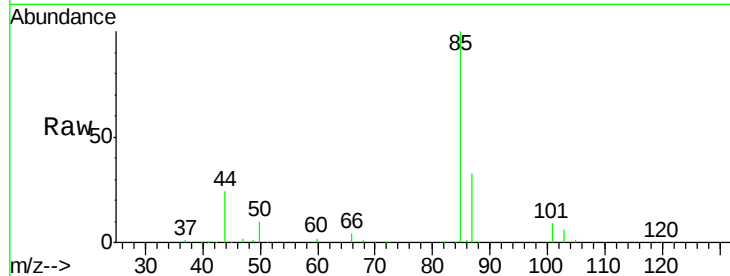
VSTD00522

Tgt Ion: 85 Resp: 95931

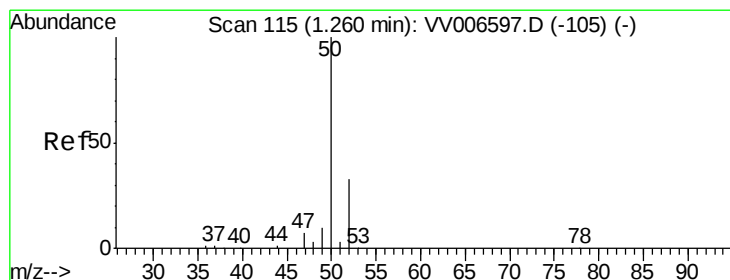
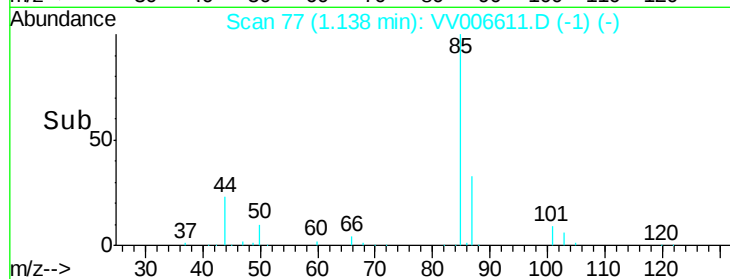
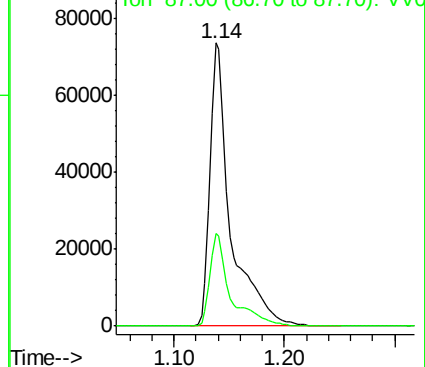
Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV006611.D (-1) (-)



#3

Chloromethane

Concen: 3.591 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006611.D

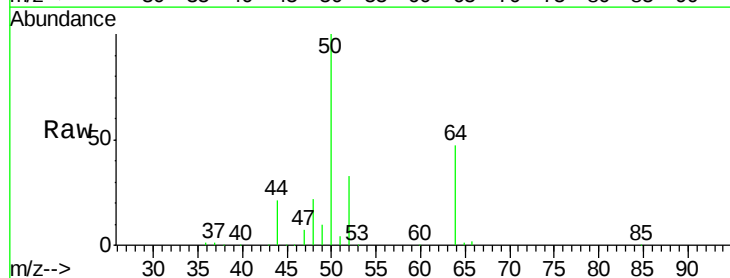
Acq: 13 Jul 2018 23:34

Tgt Ion: 50 Resp: 97789

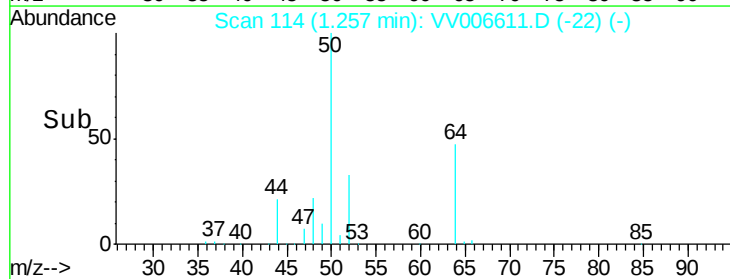
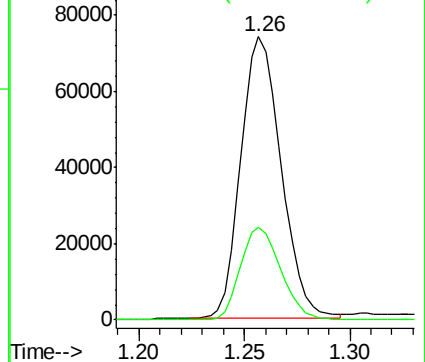
Ion Ratio Lower Upper

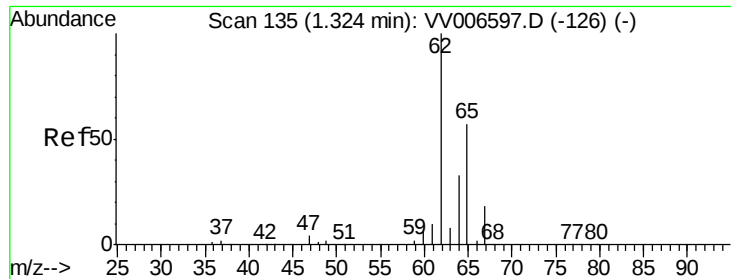
50 100

52 32.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006611.D (-22) (-)





#5

Vinyl chloride

Concen: 4.595 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

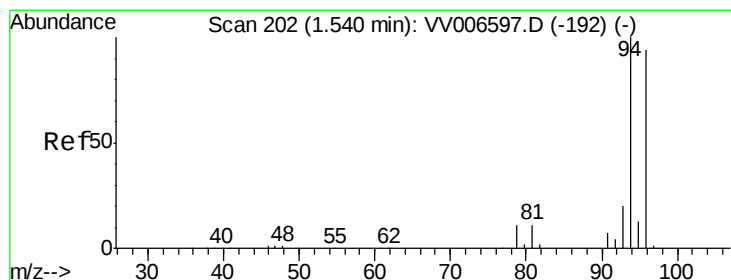
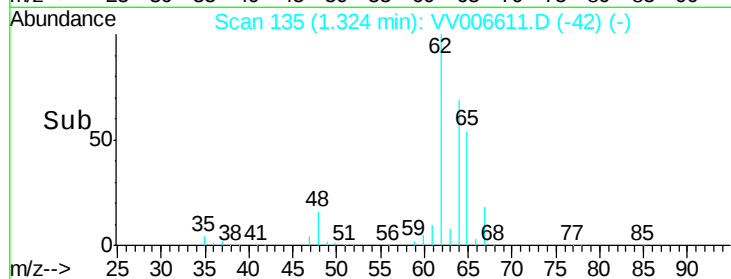
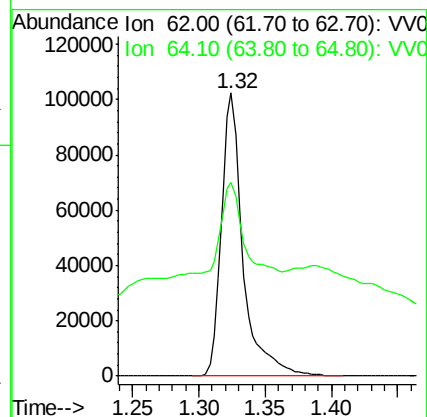
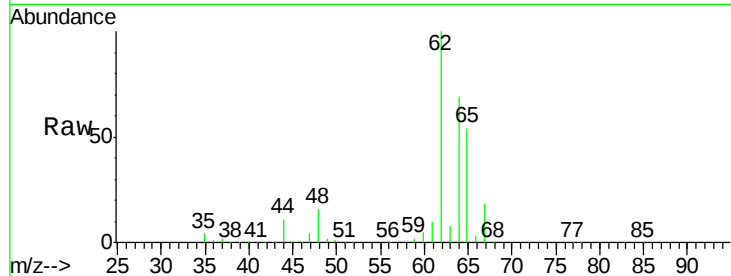
VSTD00522

Tgt Ion: 62 Resp: 116122

Ion Ratio Lower Upper

62 100

64 68.6 23.0 42.6#



#6

Bromomethane

Concen: 0.498 ug/L

RT: 1.53 min Scan# 198

Delta R.T. -0.01 min

Lab File: VV006611.D

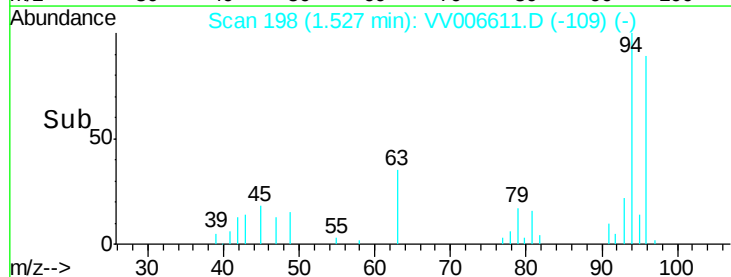
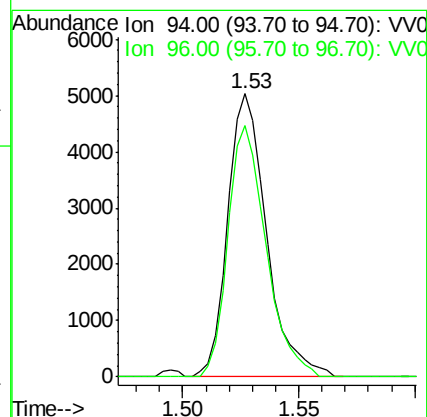
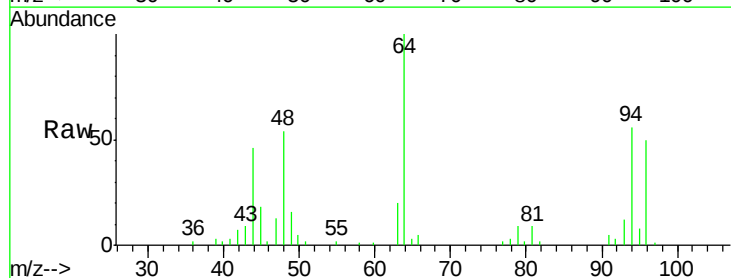
Acq: 13 Jul 2018 23:34

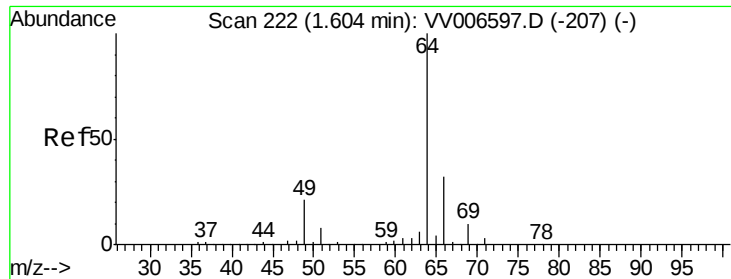
Tgt Ion: 94 Resp: 5839

Ion Ratio Lower Upper

94 100

96 88.6 65.7 122.1

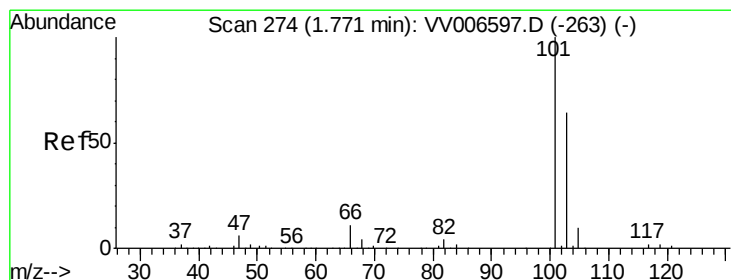
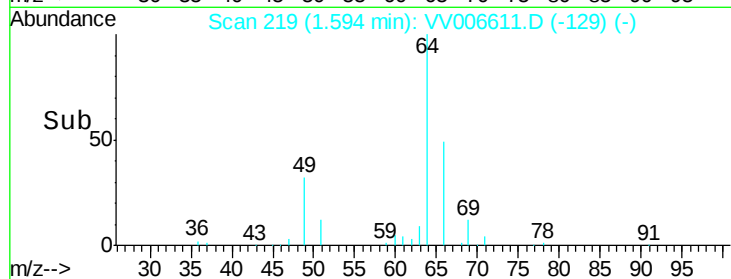
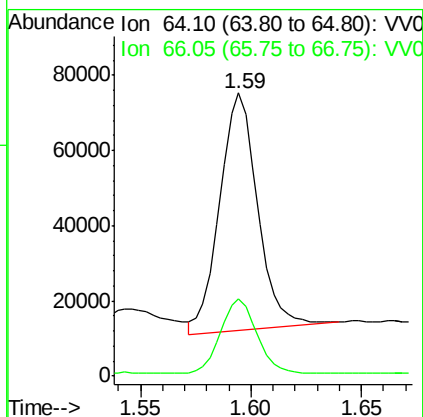
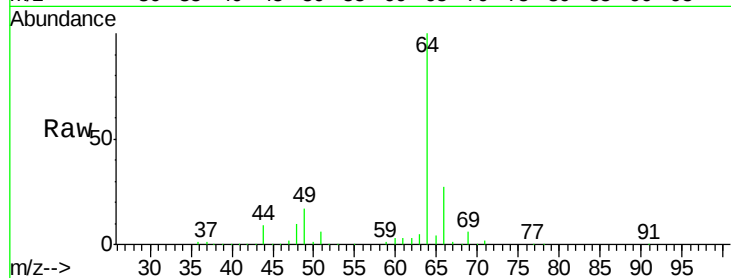




#8
Chloroethane
Concen: 4.919 ug/L
RT: 1.59 min Scan# 219
Delta R.T. -0.01 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

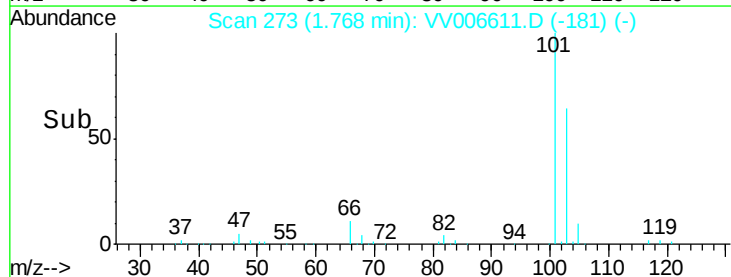
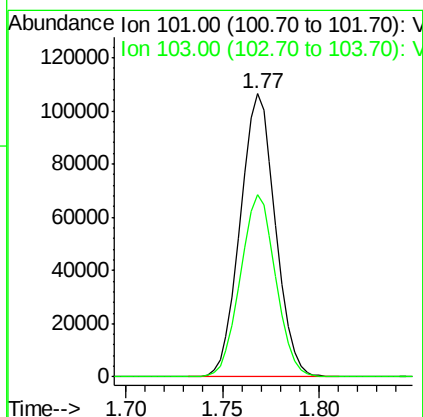
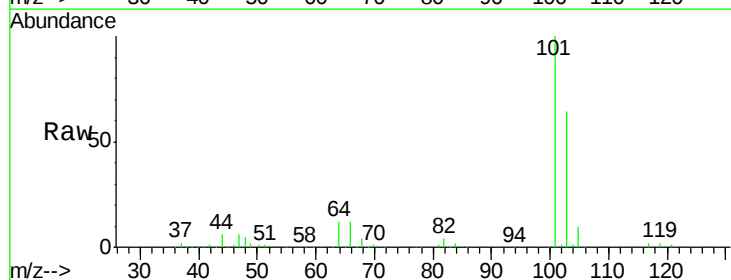
Instrument :
MSVOA_V
ClientSampleId :
VSTD00522

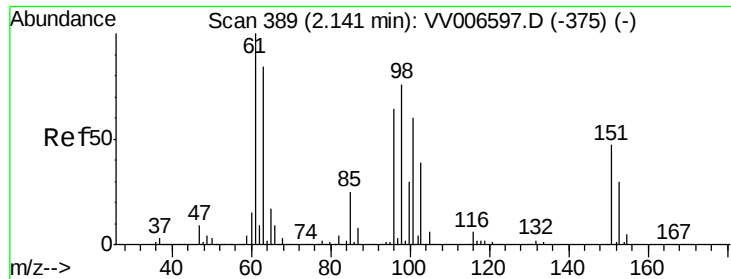
Tgt Ion: 64 Resp: 75451
Ion Ratio Lower Upper
64 100
66 27.2 22.5 41.7



#9
Trichlorofluoromethane
Concen: 4.724 ug/L
RT: 1.77 min Scan# 273
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

Tgt Ion: 101 Resp: 134331
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3





#10

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

Concen: 4.726 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00522

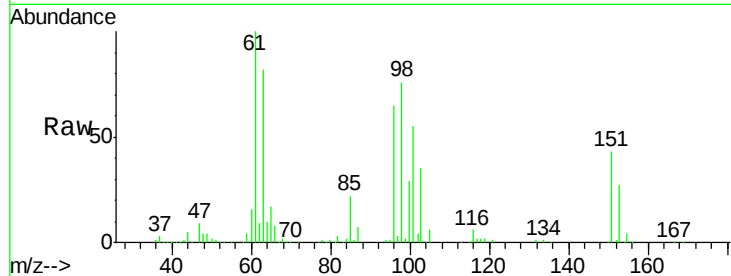
Tgt Ion: 101 Resp: 83033

Ion Ratio Lower Upper

101 100

85 40.0 33.1 49.7

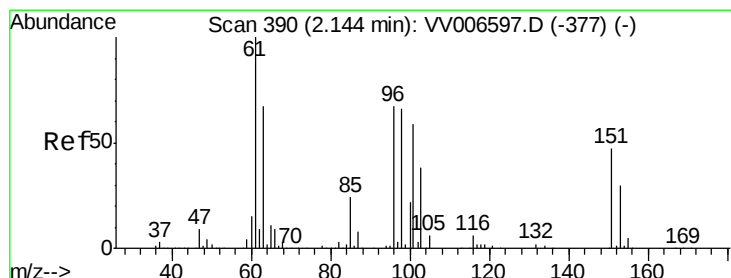
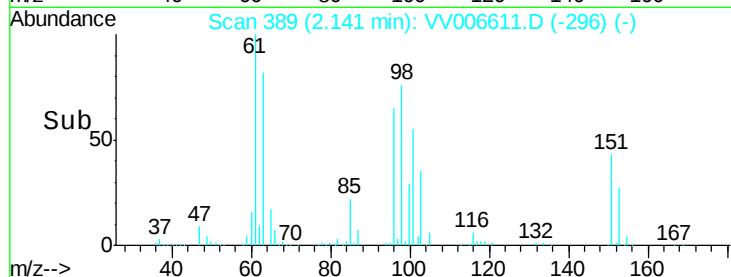
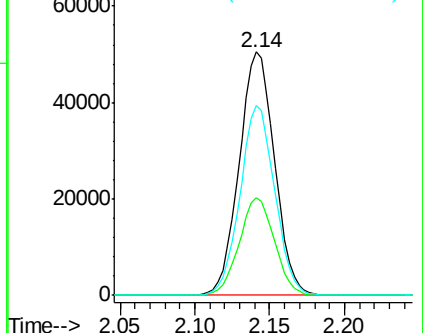
151 76.5 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): VV006611.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006611.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006611.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 4.801 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

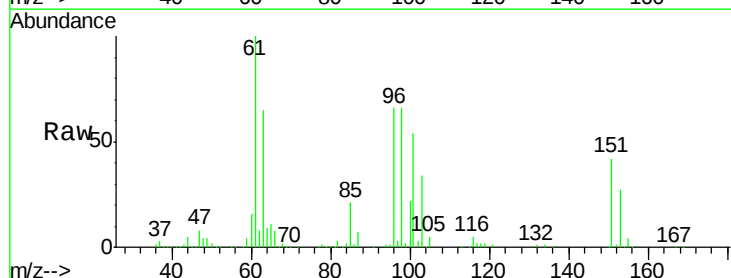
Tgt Ion: 96 Resp: 85328

Ion Ratio Lower Upper

96 100

61 151.7 110.7 205.7

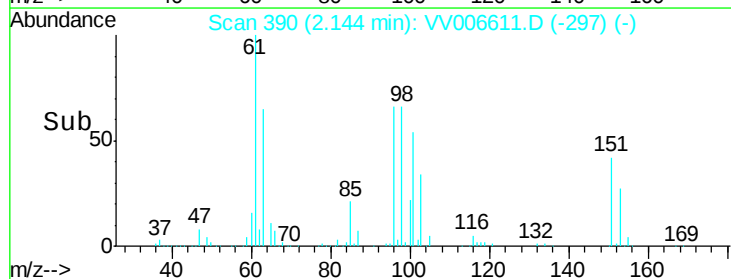
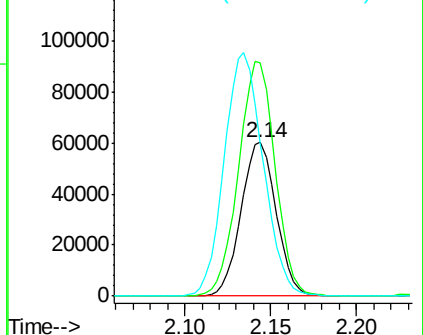
63 99.1 79.0 146.8

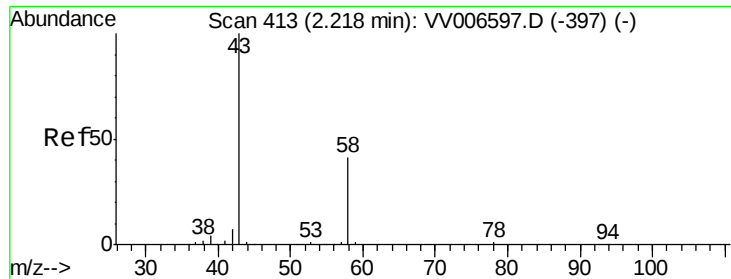


Abundance Ion 96.00 (95.70 to 96.70): VV006611.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006611.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006611.D (-297) (-)





#13

Acetone

Concen: 49.375 ug/L

RT: 2.20 min Scan# 406

Delta R.T. -0.02 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

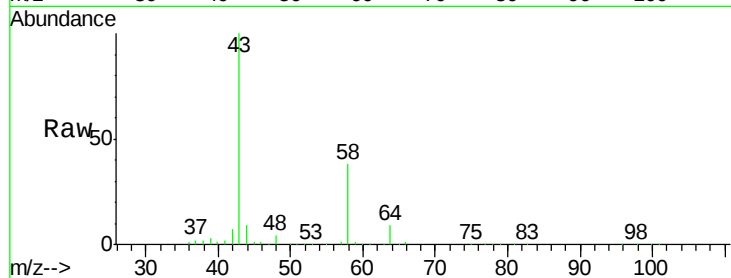
VSTD00522

Tgt Ion: 43 Resp: 122417

Ion Ratio Lower Upper

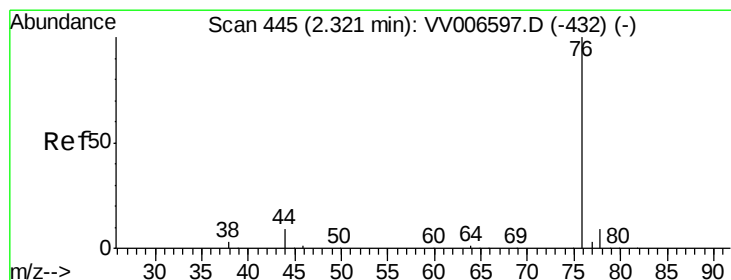
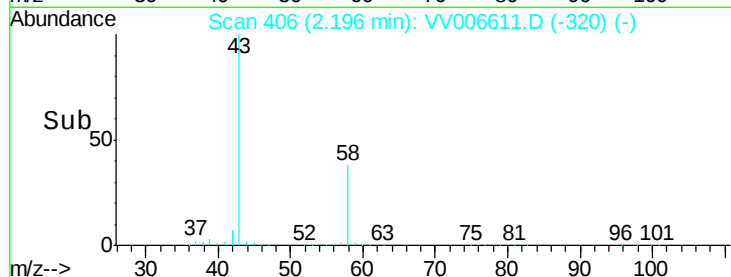
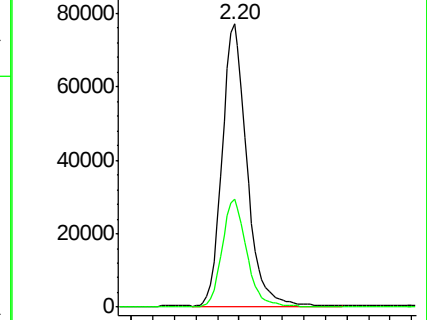
43 100

58 38.9 0.0 76.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.876 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV006611.D

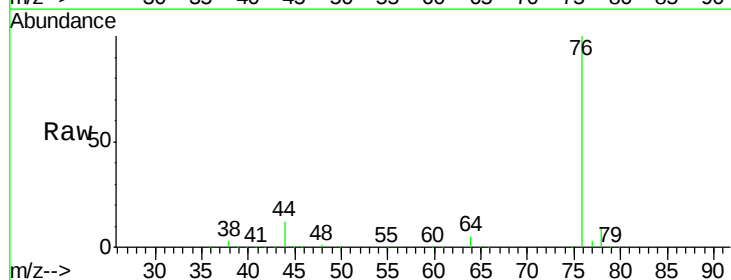
Acq: 13 Jul 2018 23:34

Tgt Ion: 76 Resp: 259230

Ion Ratio Lower Upper

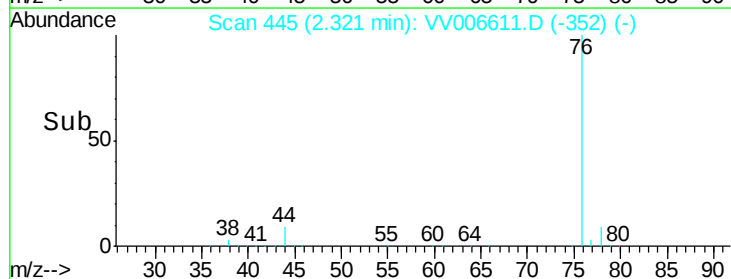
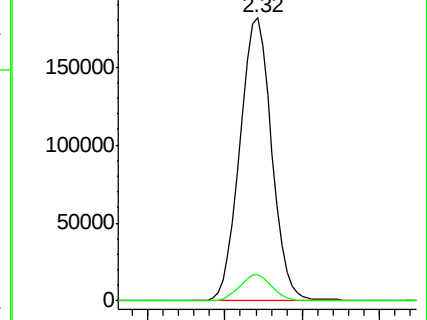
76 100

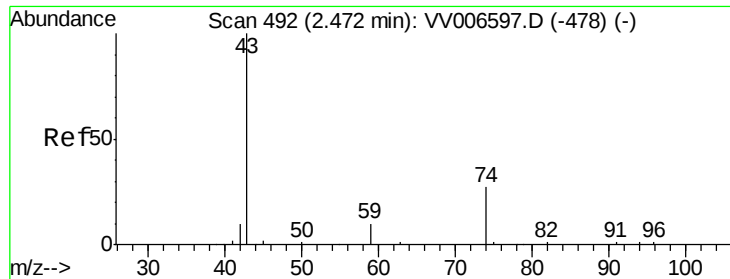
78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 5.038 ug/L

RT: 2.46 min Scan# 489

Delta R.T. -0.01 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

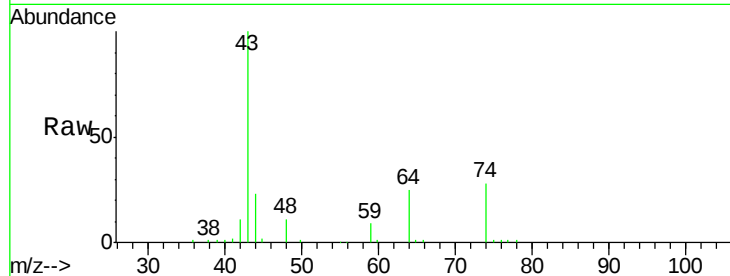
VSTD00522

Tgt Ion: 43 Resp: 36772

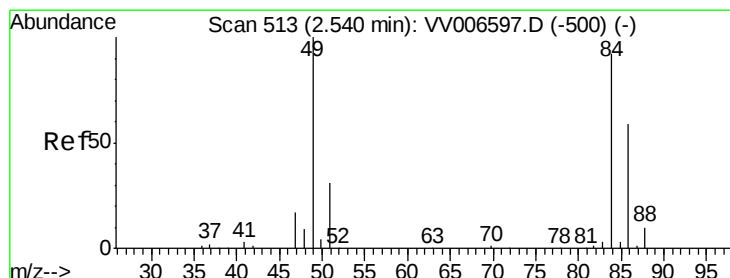
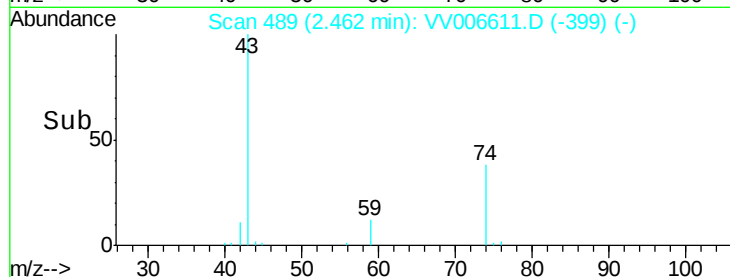
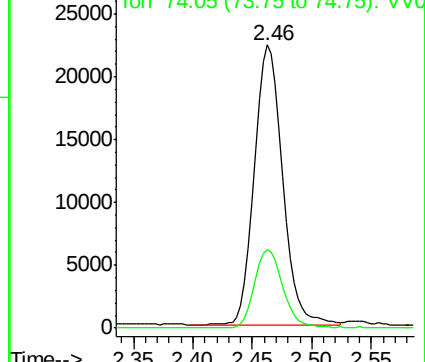
Ion Ratio Lower Upper

43 100

74 28.2 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV006611.D (-399) (-)



#16

Methylene chloride

Concen: 5.170 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

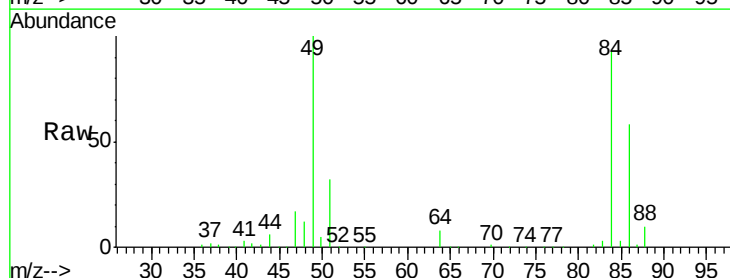
Tgt Ion: 84 Resp: 103617

Ion Ratio Lower Upper

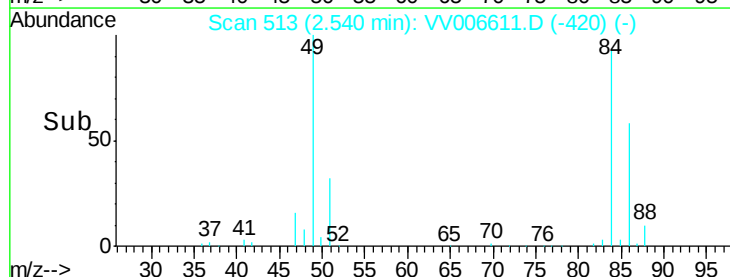
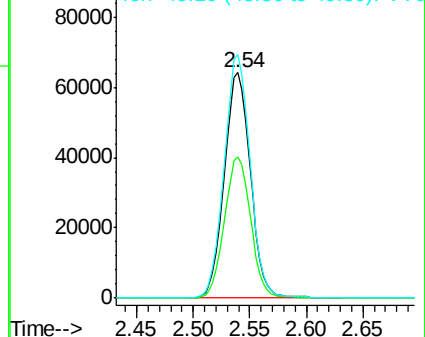
84 100

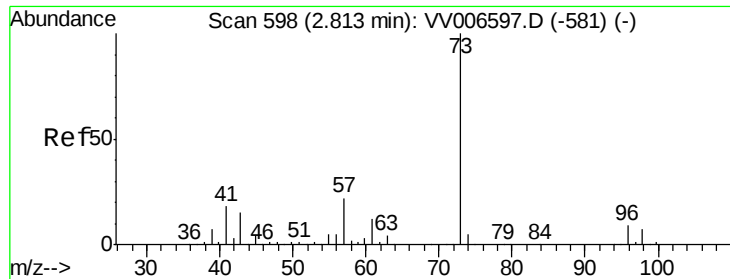
86 62.7 44.7 82.9

49 107.9 78.7 146.1



Abundance Ion 84.05 (83.75 to 84.75): VV006611.D (-420) (-)

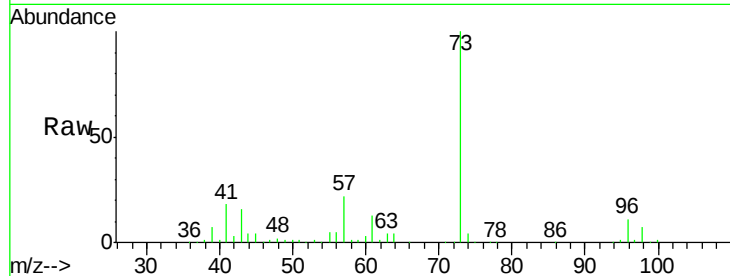




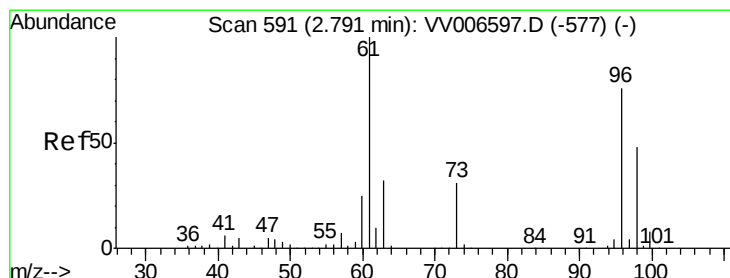
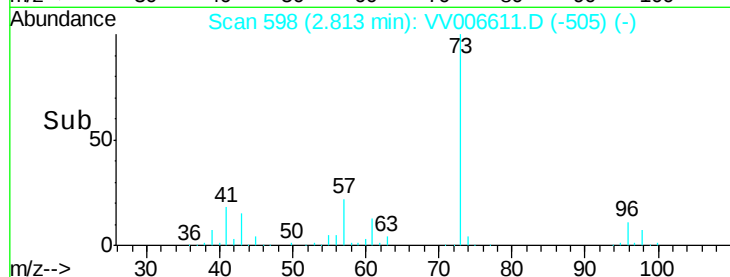
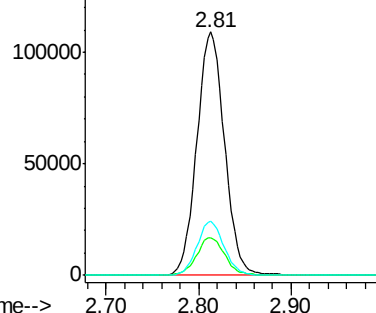
#17
Methyl tert-butyl Ether
Concen: 5.369 ug/L
RT: 2.81 min Scan# 598
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00522

Tgt Ion: 73 Resp: 226052
Ion Ratio Lower Upper
73 100
43 15.1 12.5 18.7
57 21.8 17.7 26.5

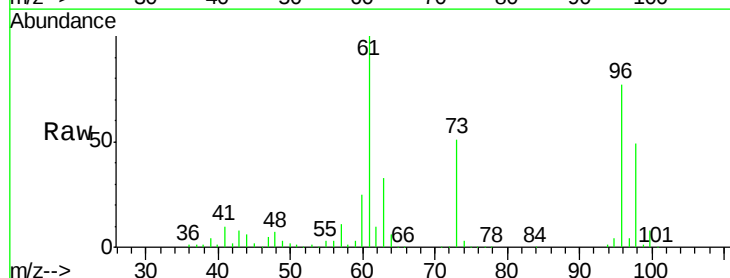


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

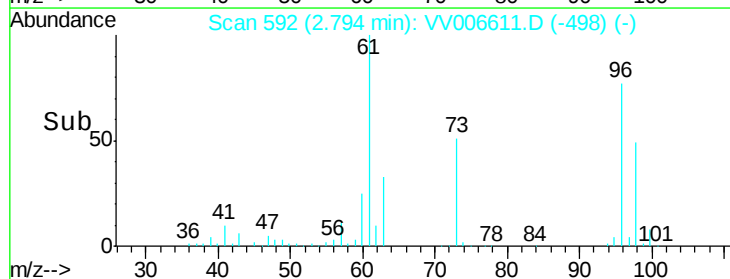
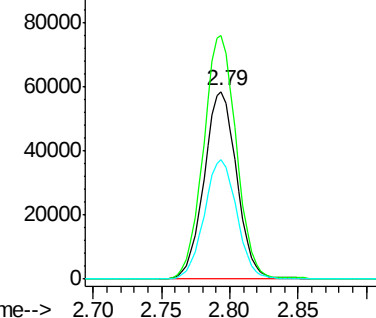


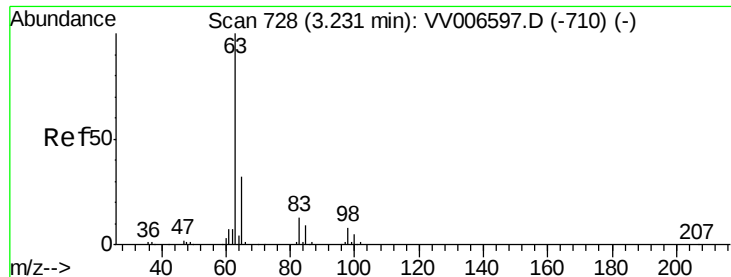
#18
trans-1,2-Dichloroethene
Concen: 5.015 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

Tgt Ion: 96 Resp: 97244
Ion Ratio Lower Upper
96 100
61 129.8 96.5 179.3
98 63.6 45.1 83.7



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

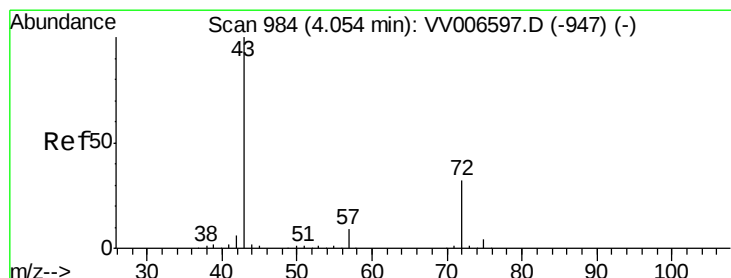
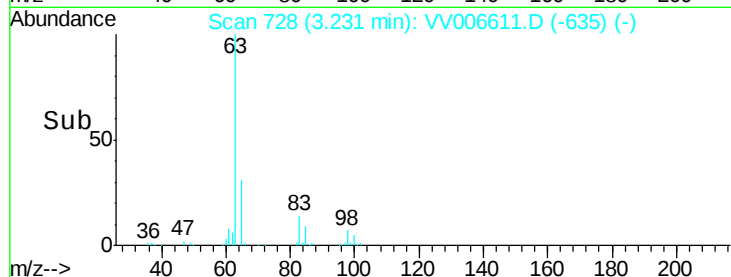
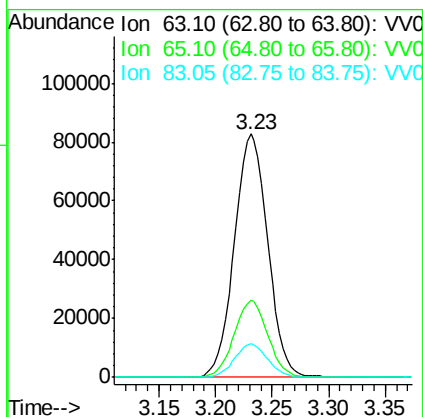
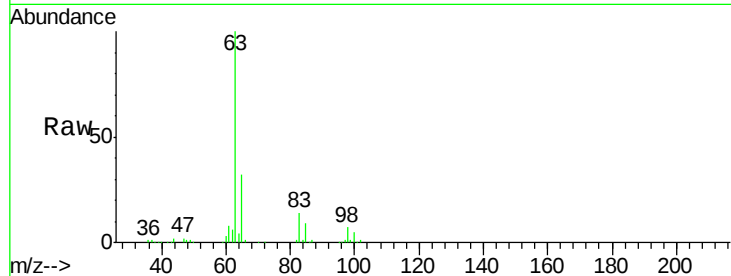




#19
 1,1-Dichloroethane
 Concen: 5.059 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

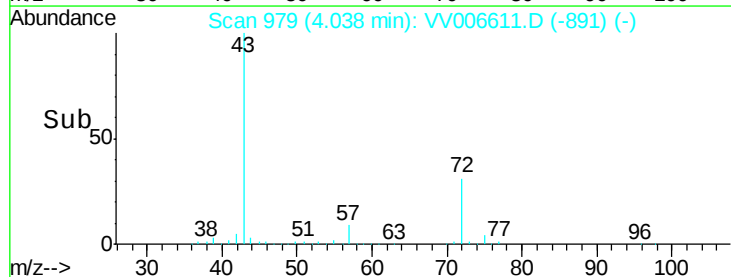
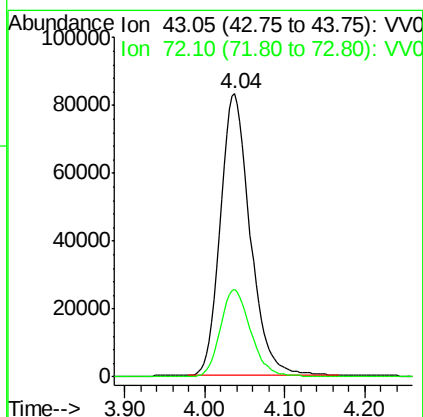
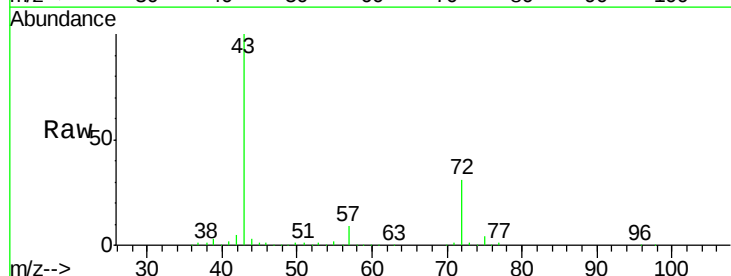
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00522

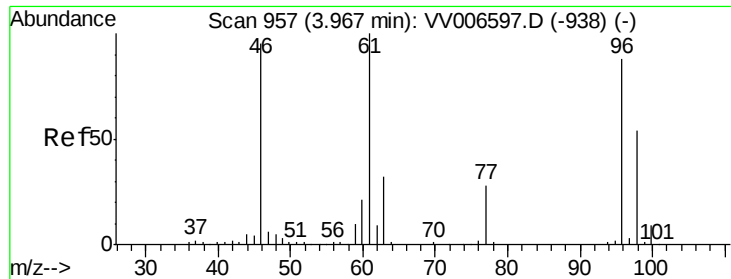
Tgt Ion: 63 Resp: 170243
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.0 41.0
 83 13.8 9.5 17.7



#21
 2-Butanone
 Concen: 52.452 ug/L
 RT: 4.04 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

Tgt Ion: 43 Resp: 213376
 Ion Ratio Lower Upper
 43 100
 72 31.0 15.1 45.3



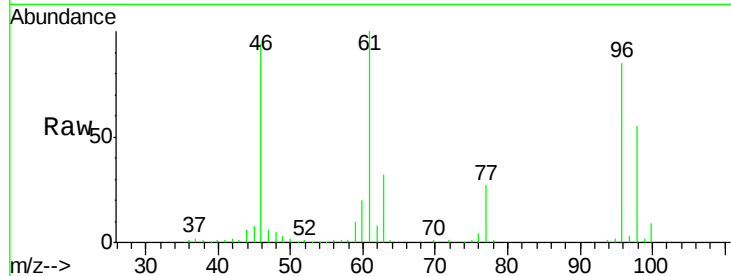


#22

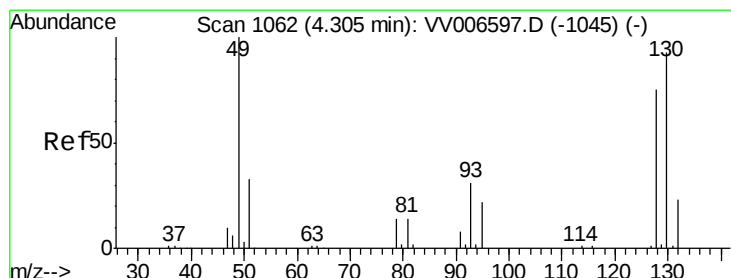
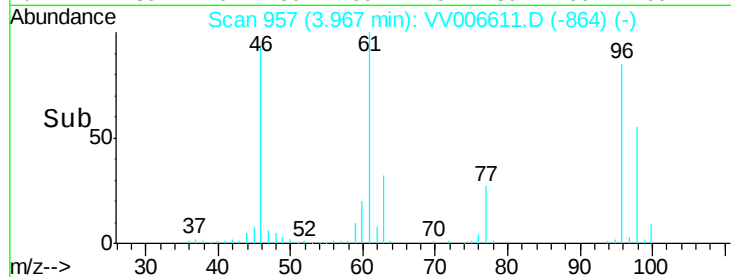
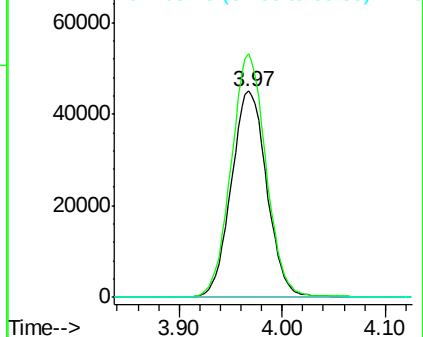
cis-1,2-Dichloroethene
Concen: 5.177 ug/L
RT: 3.97 min Scan# 957
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00522

Tgt Ion: 96 Resp: 107843
Ion Ratio Lower Upper
96 100
61 117.9 83.8 155.6
68 0.0 0.0 0.0



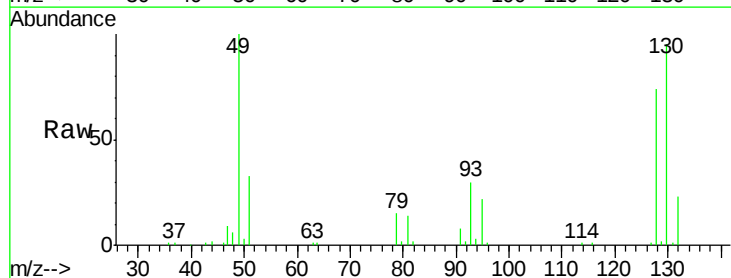
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



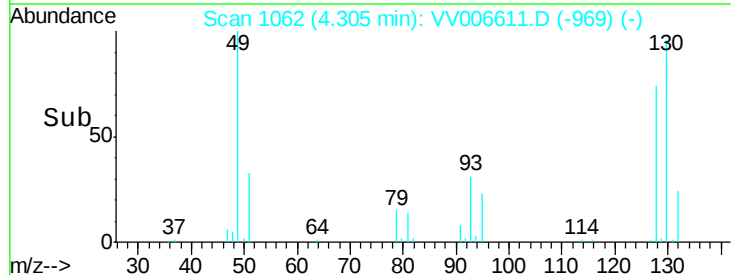
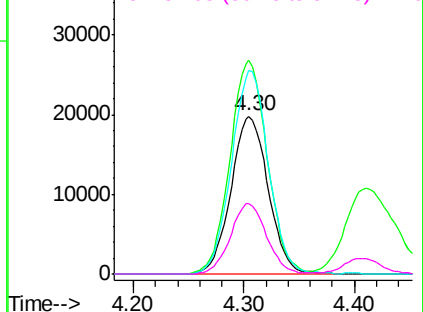
#23

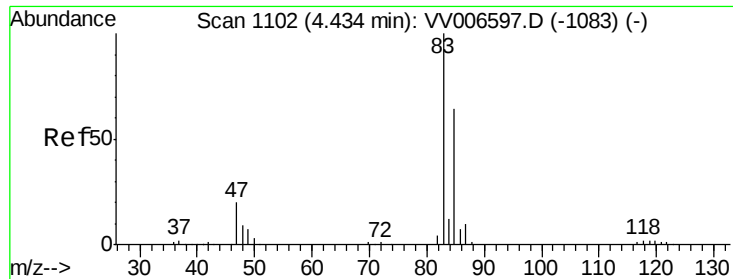
Bromochloromethane
Concen: 5.435 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

Tgt Ion: 128 Resp: 46377
Ion Ratio Lower Upper
128 100
49 135.2 98.8 183.4
130 129.1 89.5 166.1
51 44.8 36.2 54.2



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

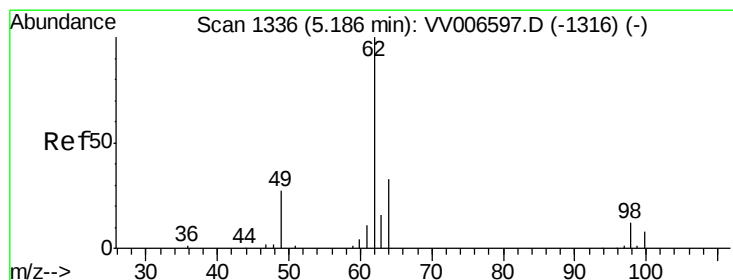
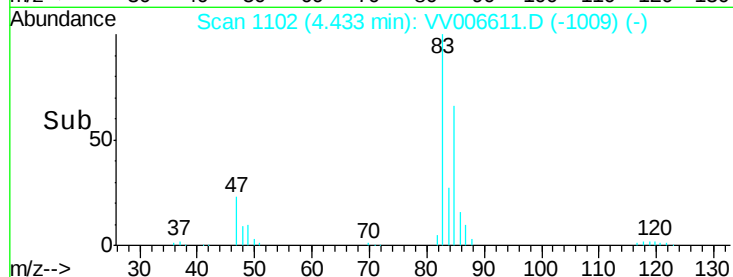
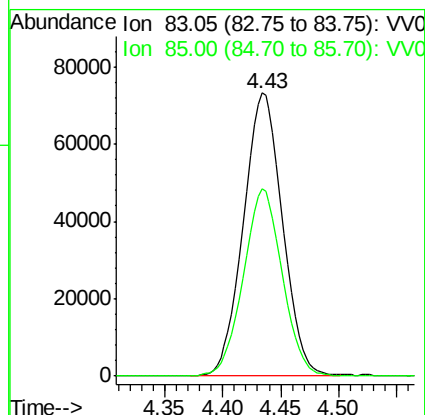
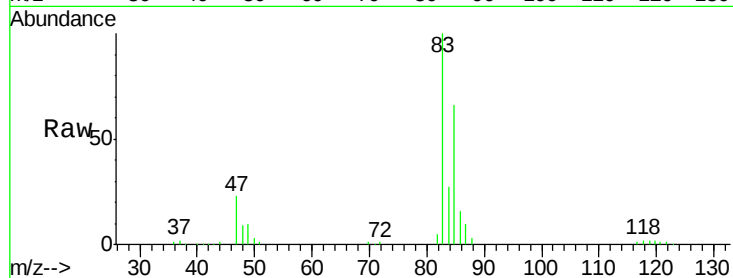




#25
Chloroform
Concen: 5.137 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

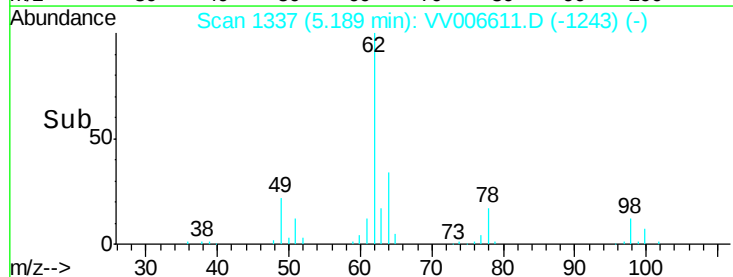
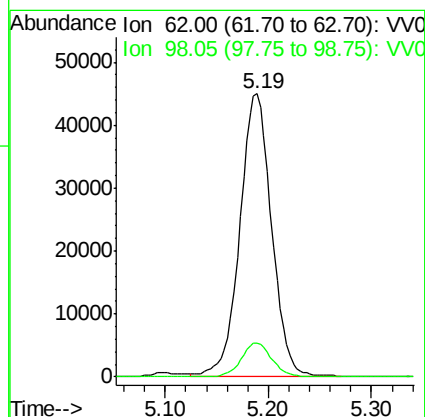
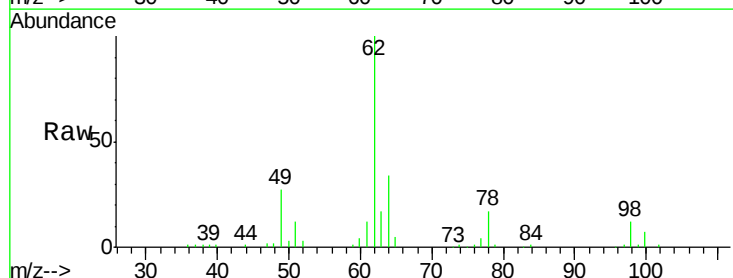
Instrument :
MSVOA_V
ClientSampleId :
VSTD00522

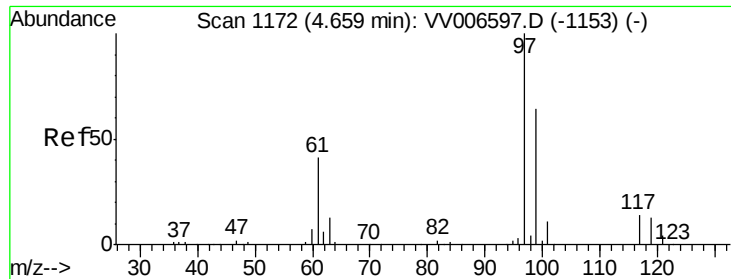
Tgt Ion: 83 Resp: 171943
Ion Ratio Lower Upper
83 100
85 66.1 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.040 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

Tgt Ion: 62 Resp: 95817
Ion Ratio Lower Upper
62 100
98 11.9 9.5 14.3

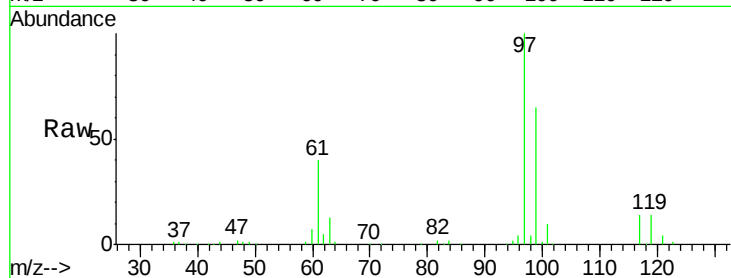




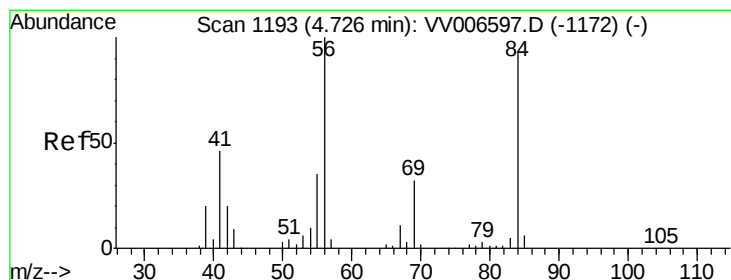
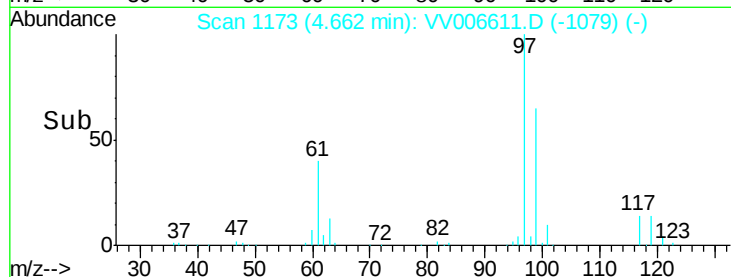
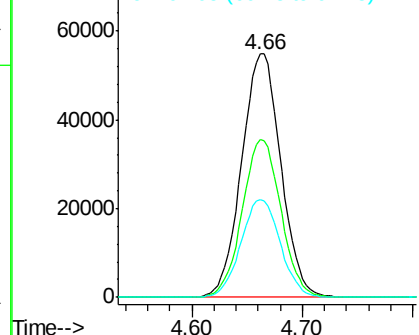
#29
 1,1,1-Trichloroethane
 Concen: 5.051 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00522

Tgt Ion: 97 Resp: 135289
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.2 76.8
 61 40.5 33.7 50.5

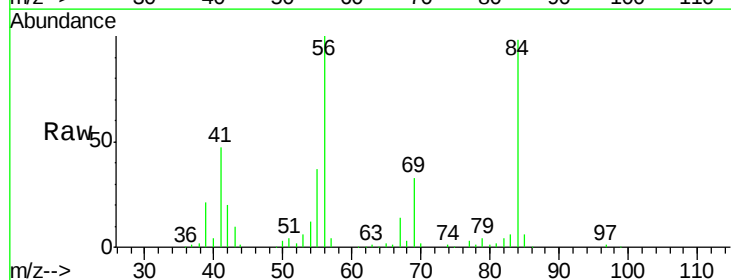


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

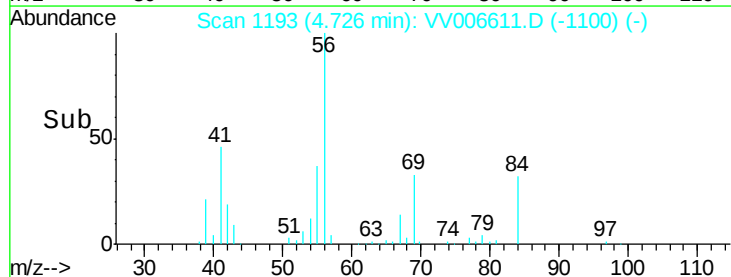
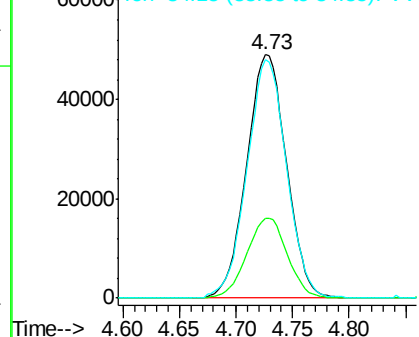


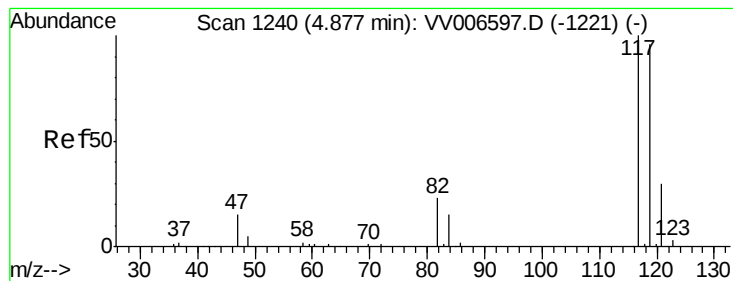
#30
 Cyclohexane
 Concen: 4.218 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

Tgt Ion: 56 Resp: 120213
 Ion Ratio Lower Upper
 56 100
 69 33.4 25.5 38.3
 84 97.2 74.7 112.1



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





#31

Carbon tetrachloride

Concen: 4.839 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

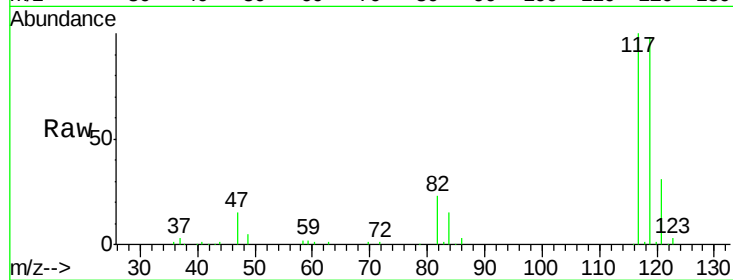
VSTD00522

Tgt Ion:117 Resp: 108440

Ion Ratio Lower Upper

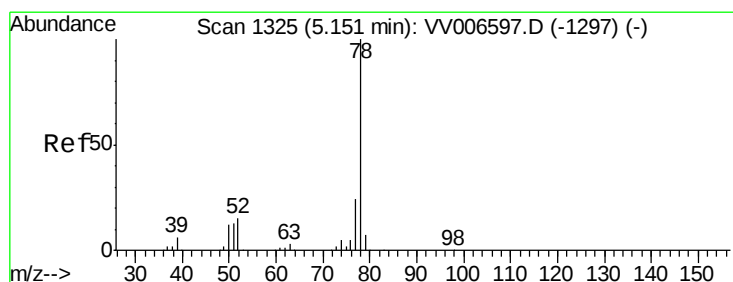
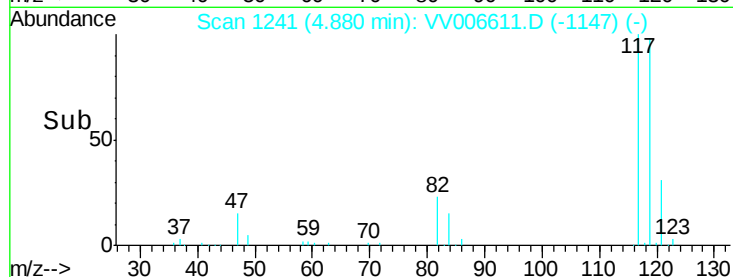
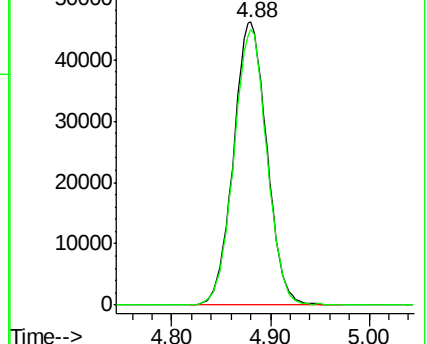
117 100

119 96.4 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.128 ug/L

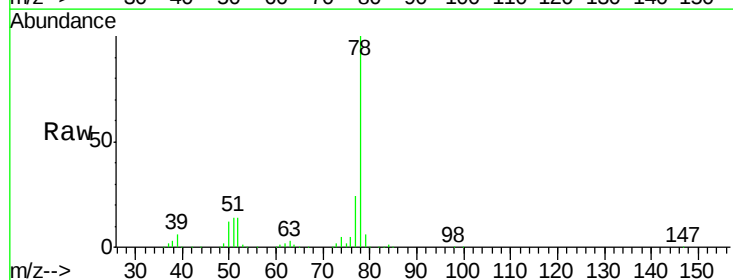
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

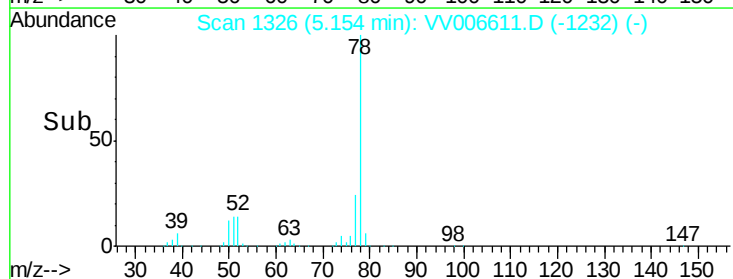
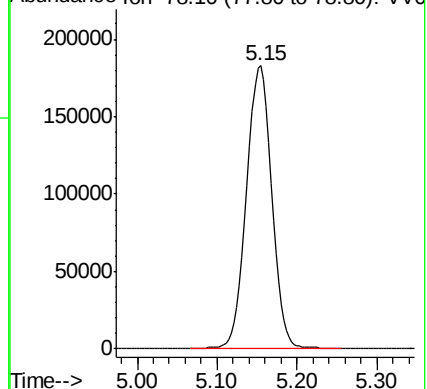
Lab File: VV006611.D

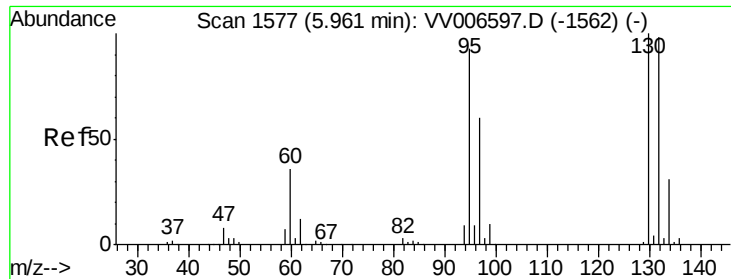
Acq: 13 Jul 2018 23:34

Tgt Ion: 78 Resp: 391277



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.895 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00522

Tgt Ion: 95 Resp: 95807

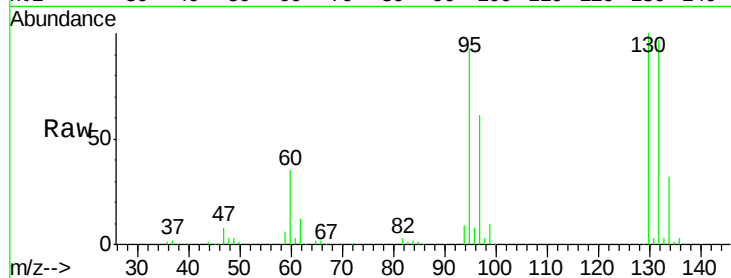
Ion Ratio Lower Upper

95 100

97 65.6 44.3 82.3

132 104.0 70.0 130.0

130 107.4 72.7 134.9

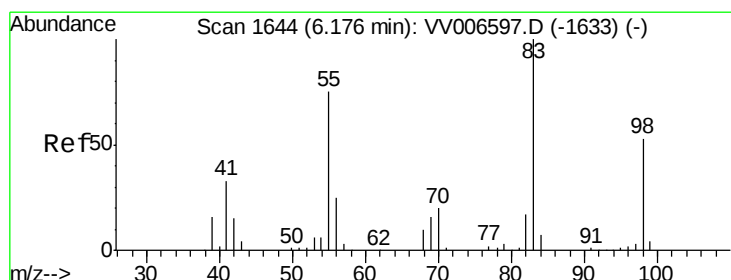
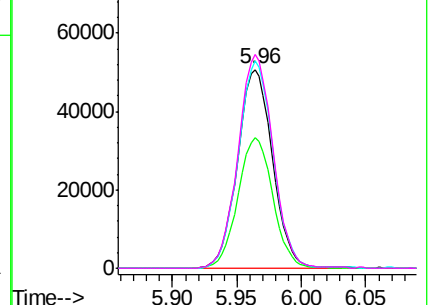
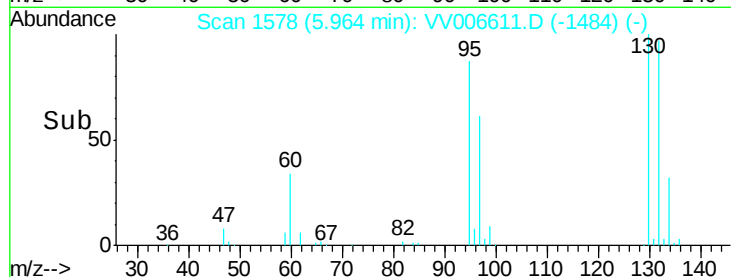


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.374 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

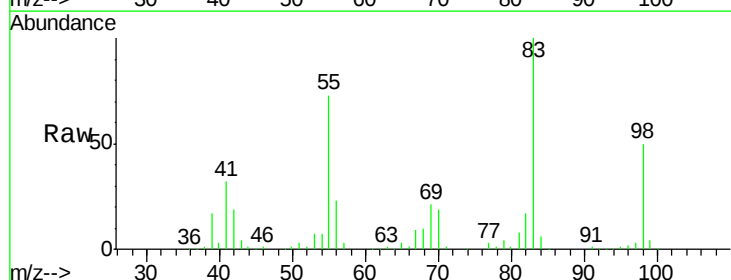
Tgt Ion: 83 Resp: 137865

Ion Ratio Lower Upper

83 100

55 72.2 58.3 87.5

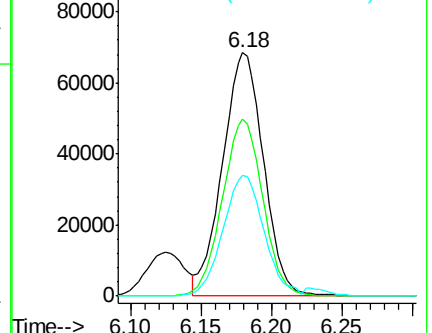
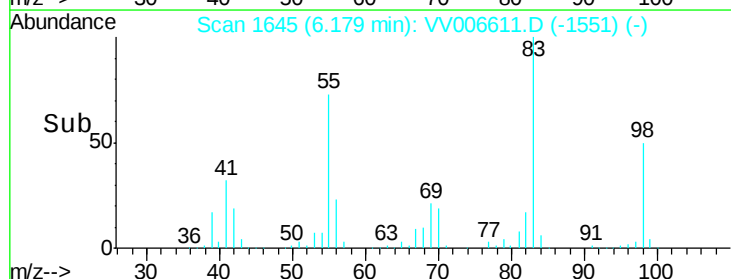
98 50.0 39.3 58.9

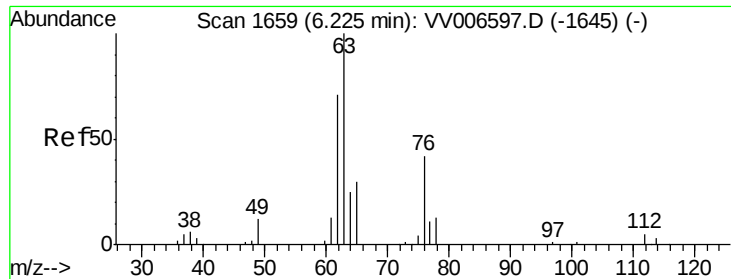


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

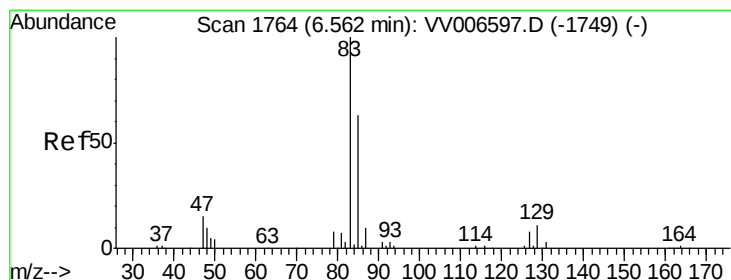
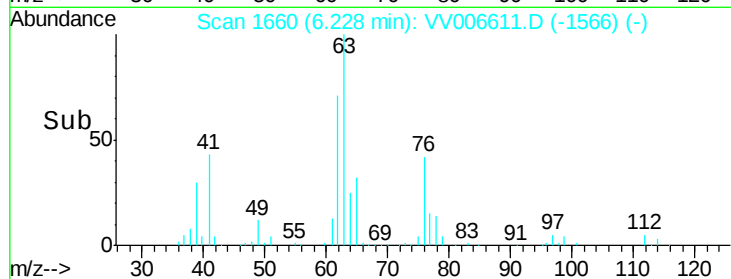
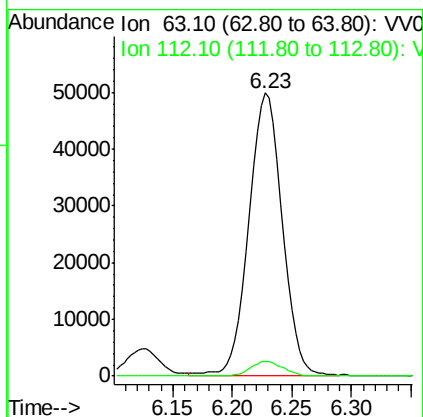
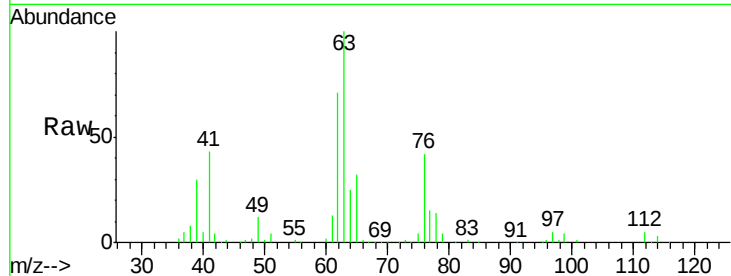




#37
 1,2-Dichloropropane
 Concen: 5.177 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

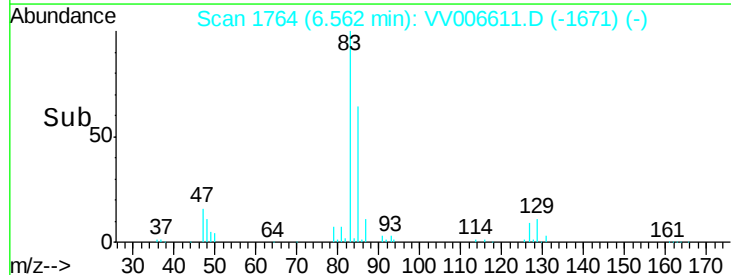
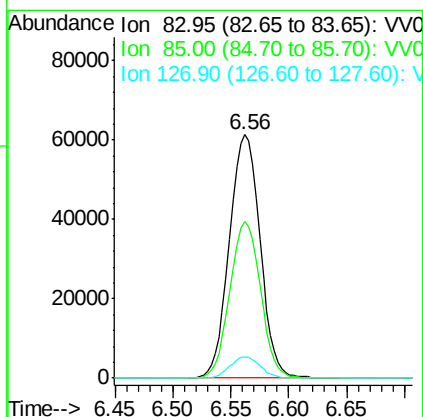
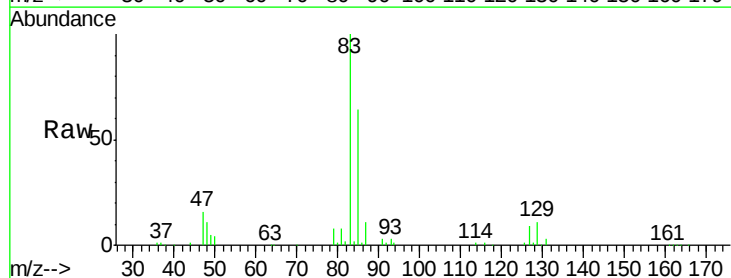
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00522

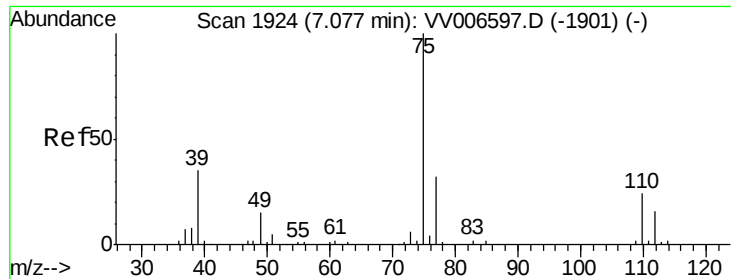
Tgt Ion: 63 Resp: 96610
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.351 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

Tgt Ion: 83 Resp: 112611
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.1 83.7
 127 8.7 6.9 10.3

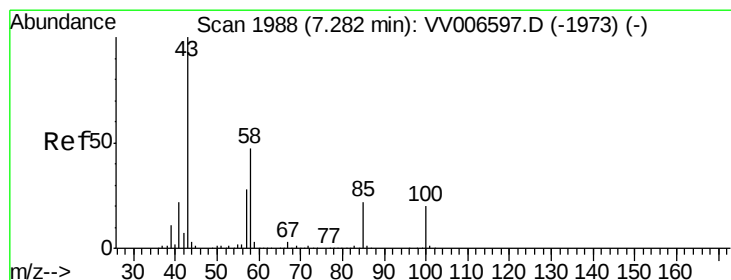
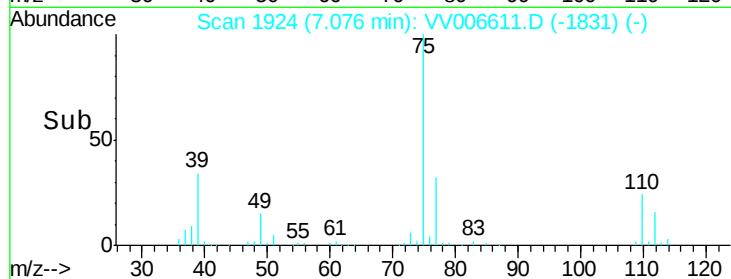
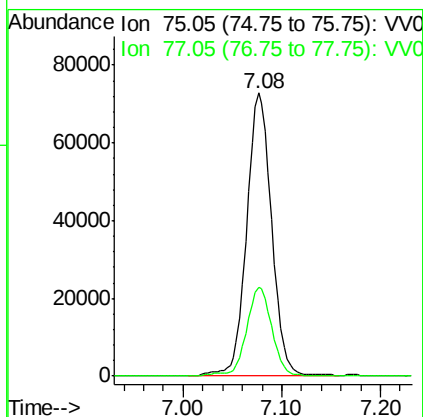
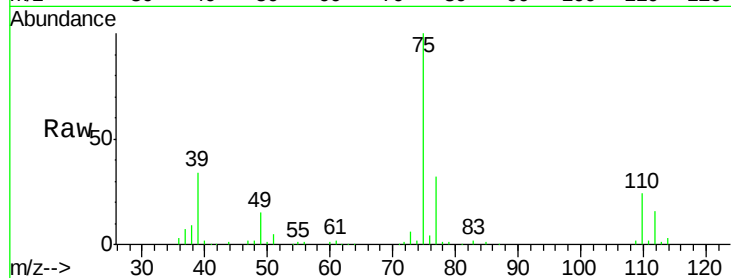




#39
 cis-1,3-Dichloropropene
 Concen: 5.085 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

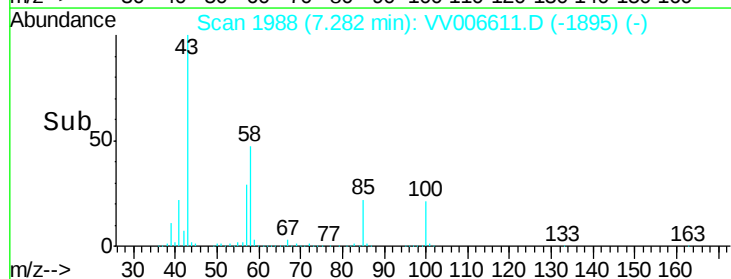
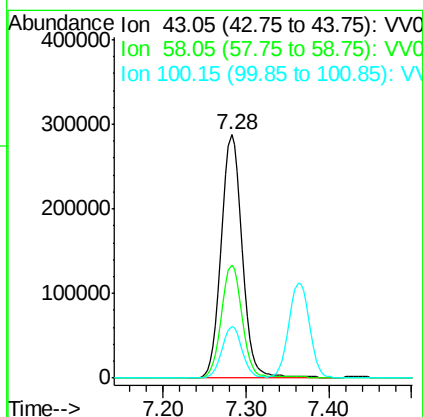
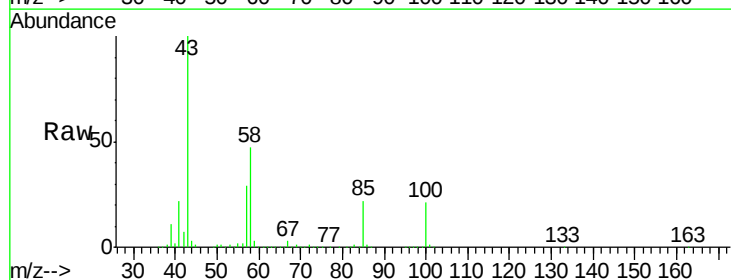
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00522

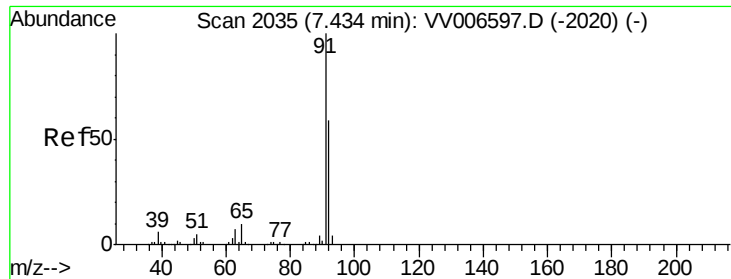
Tgt Ion: 75 Resp: 127389
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 53.370 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

Tgt Ion: 43 Resp: 504883
 Ion Ratio Lower Upper
 43 100
 58 45.7 35.8 53.6
 100 20.3 15.4 23.0





#42

Toluene

Concen: 4.987 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

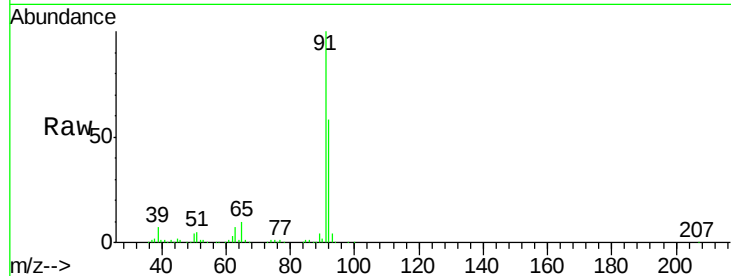
VSTD00522

Tgt Ion: 91 Resp: 395821

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV006611.D (-2024) (-)

Ion 92.15 (91.85 to 92.85): VV006611.D (-2024) (-)

7.44

250000

200000

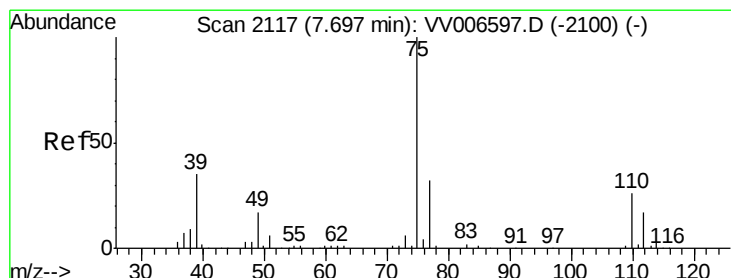
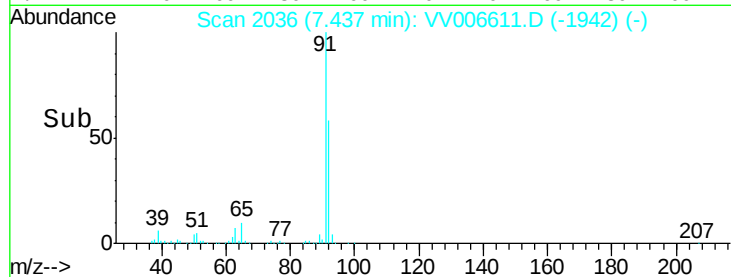
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.152 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006611.D

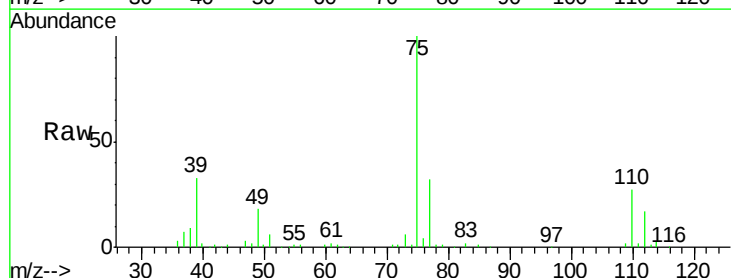
Acq: 13 Jul 2018 23:34

Tgt Ion: 75 Resp: 99631

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV006611.D (-2024) (-)

Ion 77.05 (76.75 to 77.75): VV006611.D (-2024) (-)

7.70

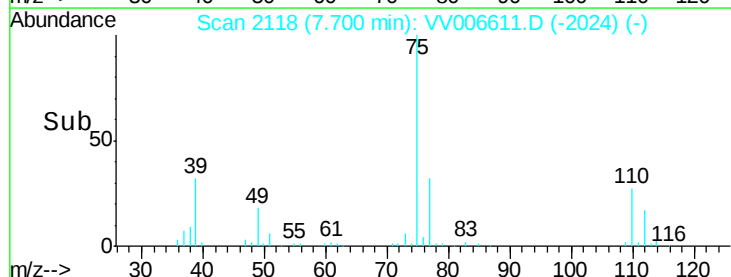
60000

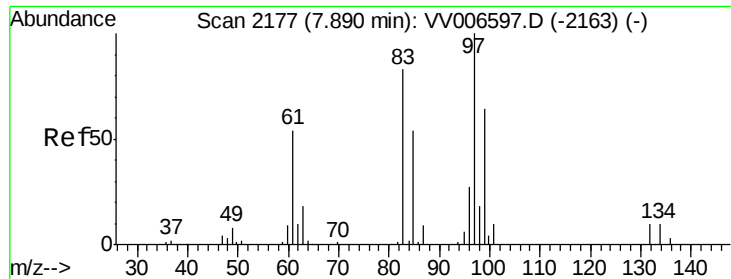
40000

20000

0

Time-->

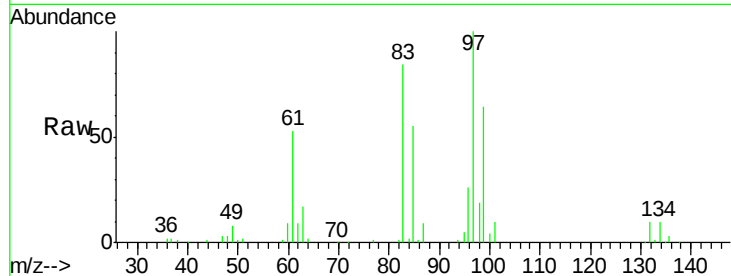




#45
 1,1,2-Trichloroethane
 Concen: 5.468 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00522

Tgt Ion:	97	Resp:	71398
Ion	Ratio	Lower	Upper
97	100		
99	64.4	43.3	80.3
83	84.5	58.0	107.8
85	55.4	37.8	70.2

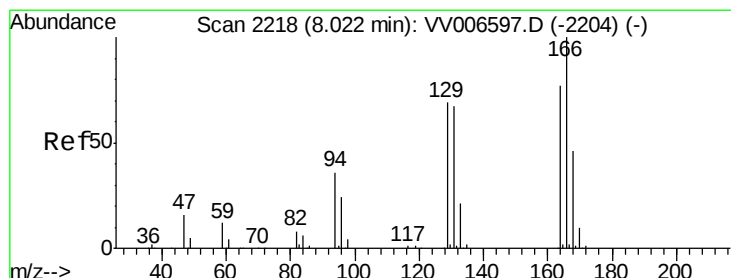
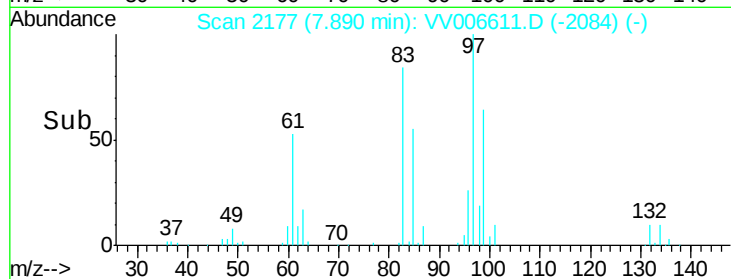
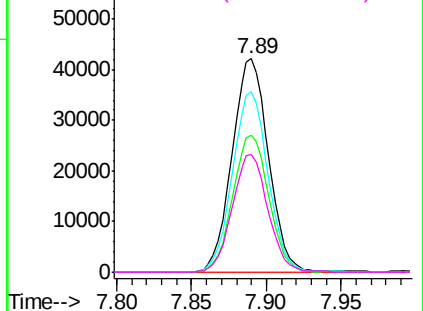


Abundance Ion 96.95 (96.65 to 97.65): VV006611.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006611.D (-2084) (-)

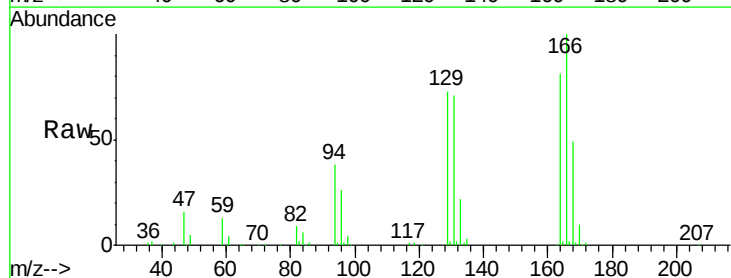
Ion 82.95 (82.65 to 83.65): VV006611.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006611.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 4.790 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

Tgt Ion:	164	Resp:	77086
Ion	Ratio	Lower	Upper
164	100		
129	91.0	62.1	115.3
131	88.1	60.8	113.0
166	123.9	87.1	161.7

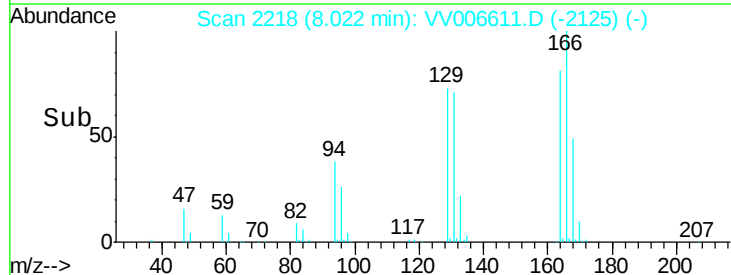
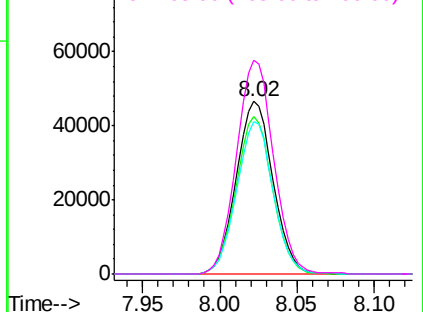


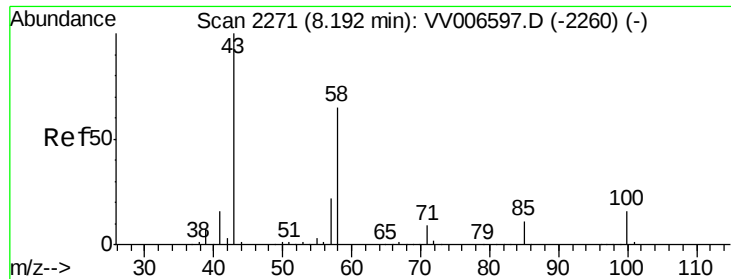
Abundance Ion 163.90 (163.60 to 164.60): VV006611.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006611.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006611.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006611.D (-2125) (-)

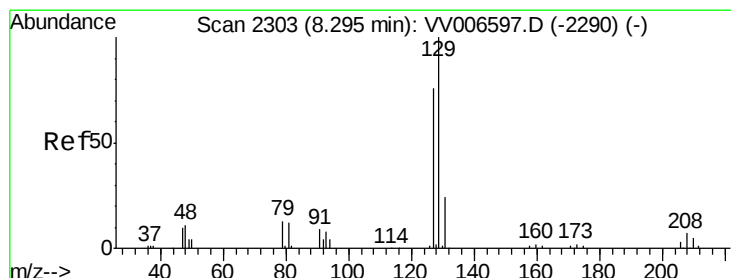
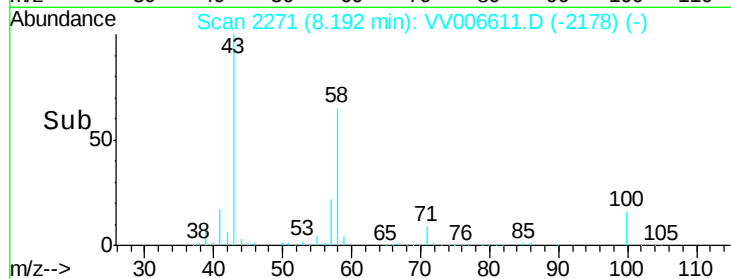
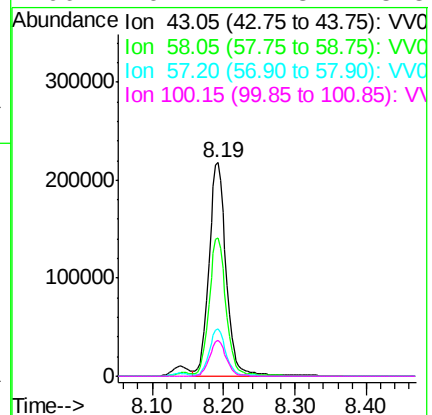
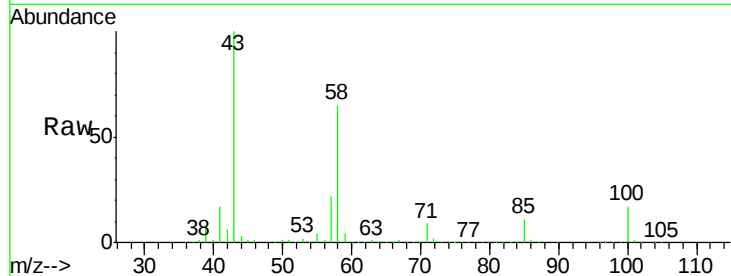




#48
2-Hexanone
Concen: 53.946 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

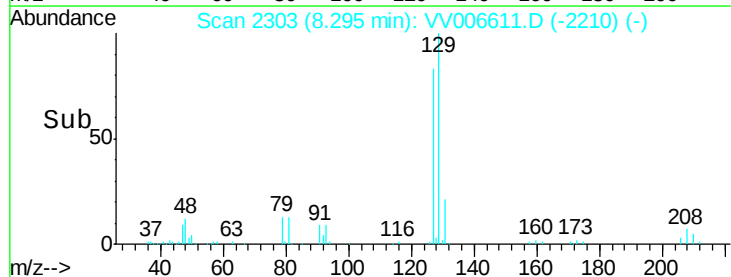
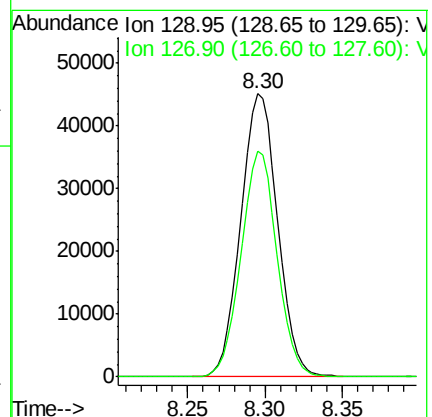
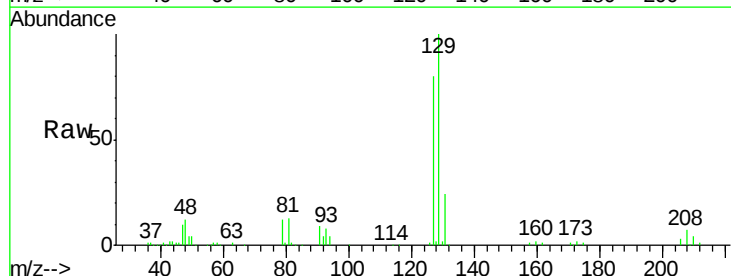
Instrument :
MSVOA_V
ClientSampleId :
VSTD00522

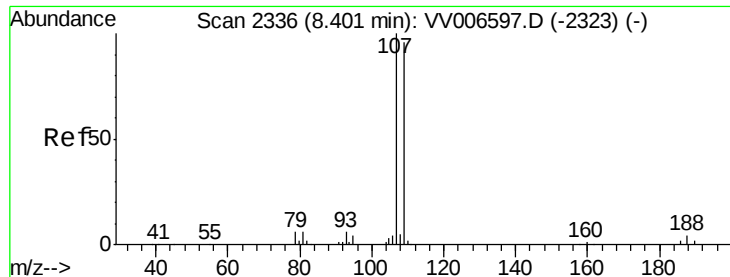
Tgt Ion: 43 Resp: 361852
Ion Ratio Lower Upper
43 100
58 63.1 50.3 75.5
57 21.7 17.0 25.4
100 16.4 12.3 18.5



#49
Dibromochloromethane
Concen: 5.495 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

Tgt Ion: 129 Resp: 74835
Ion Ratio Lower Upper
129 100
127 79.5 52.7 97.9

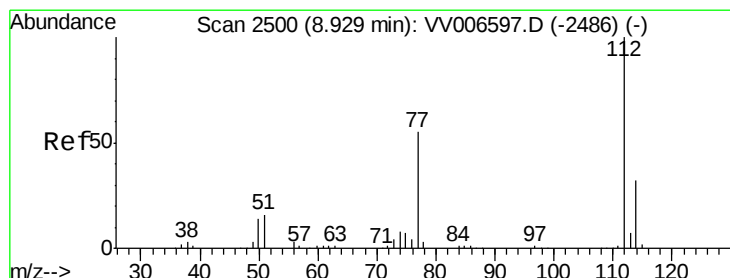
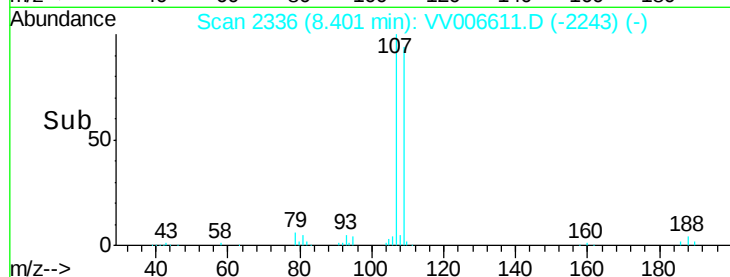
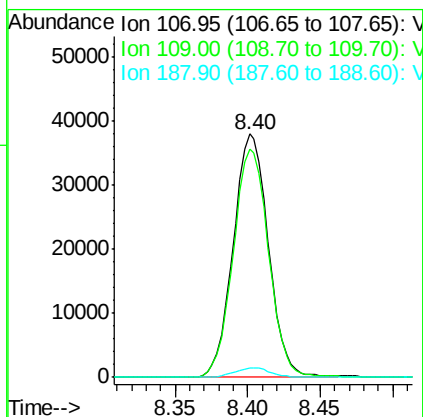
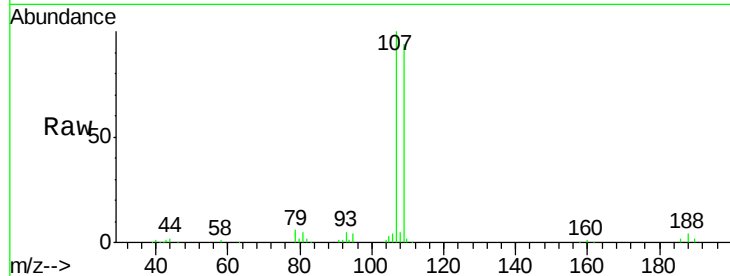




#50
1,2-Dibromoethane
Concen: 5.364 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

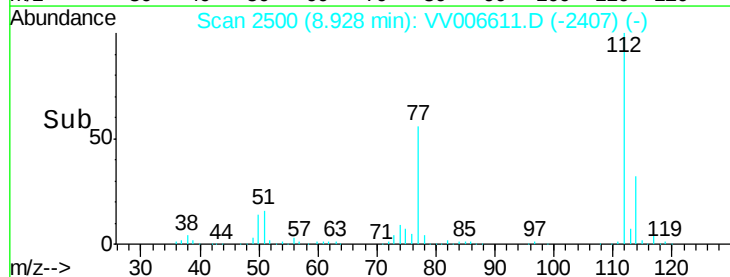
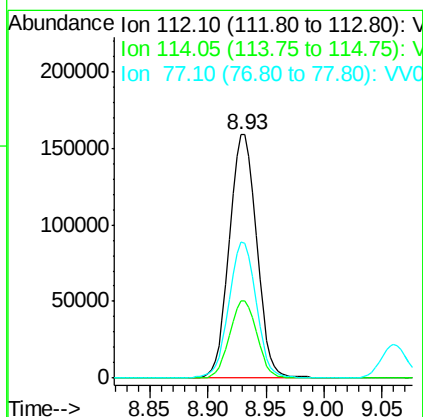
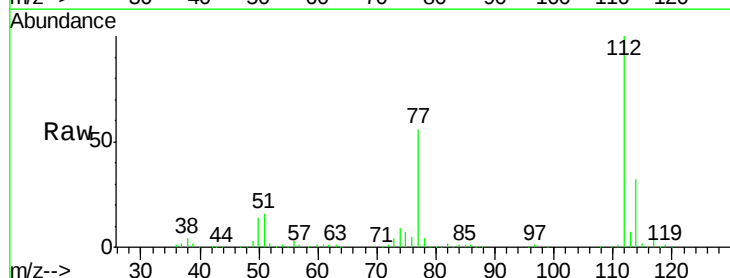
Instrument :
MSVOA_V
ClientSampleId :
VSTD00522

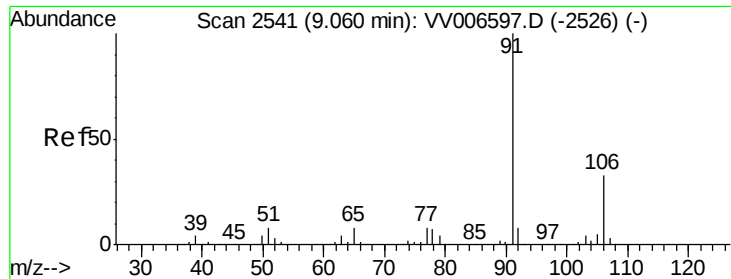
Tgt Ion:107 Resp: 63764
Ion Ratio Lower Upper
107 100
109 93.8 65.2 121.0
188 4.0 3.4 5.0



#51
Chlorobenzene
Concen: 4.993 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

Tgt Ion:112 Resp: 259235
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 56.0 45.1 67.7





#52

Ethylbenzene

Concen: 4.801 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

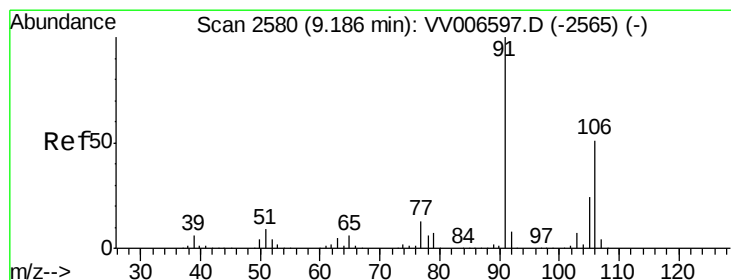
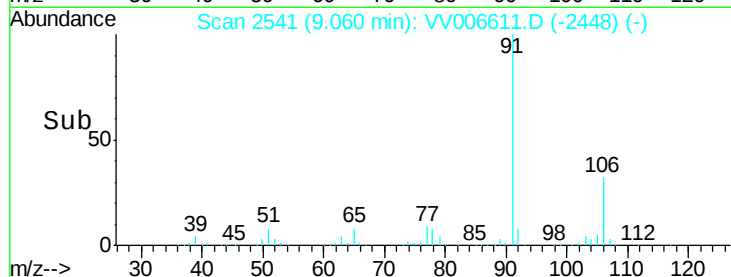
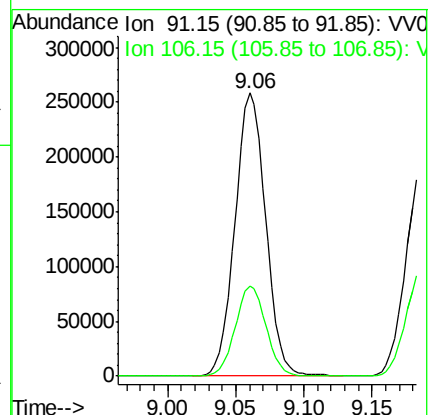
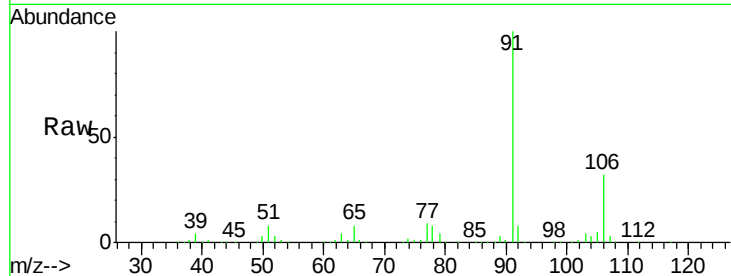
VSTD00522

Tgt Ion: 91 Resp: 404836

Ion Ratio Lower Upper

91 100

106 31.8 22.4 41.6



#53

m,p-xylene

Concen: 4.833 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006611.D

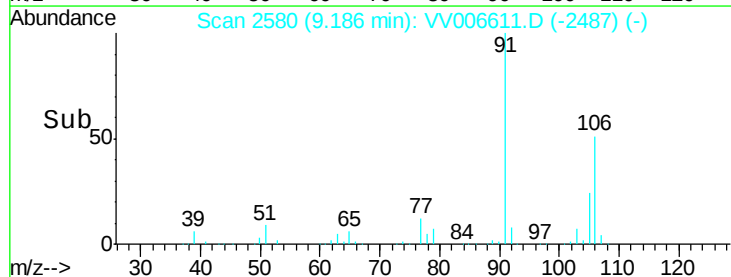
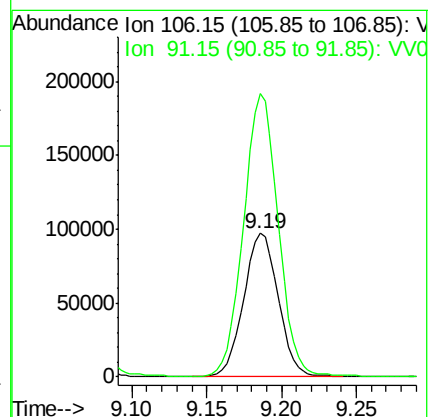
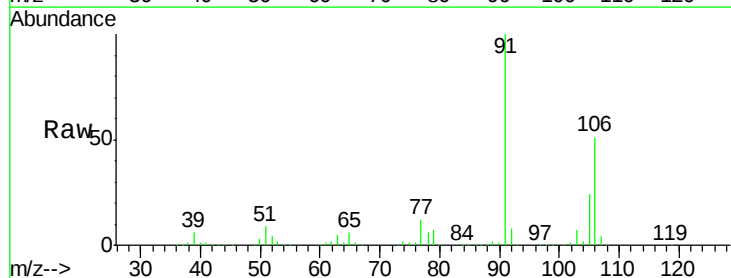
Acq: 13 Jul 2018 23:34

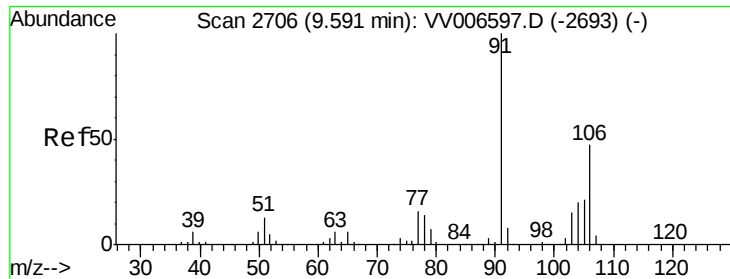
Tgt Ion: 106 Resp: 157030

Ion Ratio Lower Upper

106 100

91 197.0 137.5 255.3





#54

o-xylene

Concen: 4.982 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

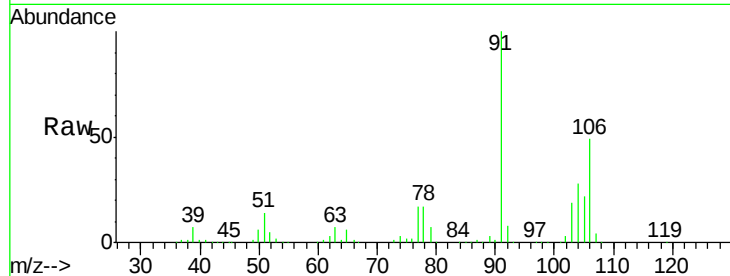
VSTD00522

Tgt Ion:106 Resp: 158444

Ion Ratio Lower Upper

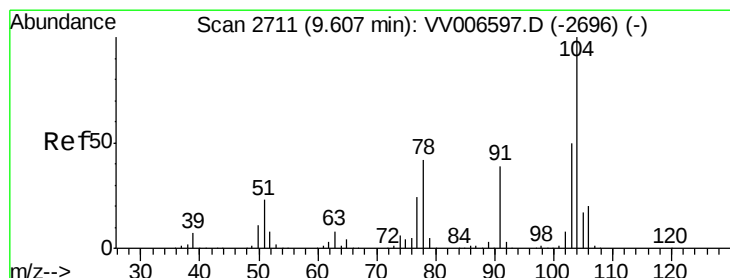
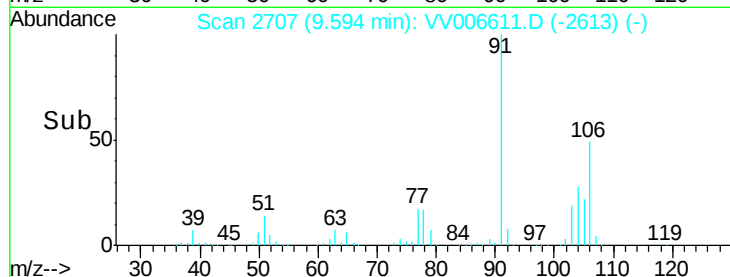
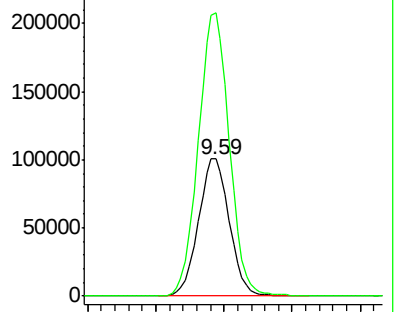
106 100

91 206.0 146.1 271.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.022 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006611.D

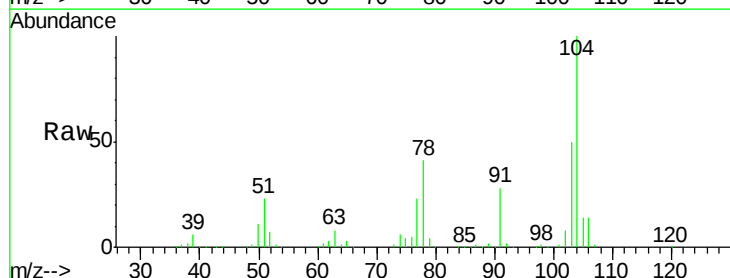
Acq: 13 Jul 2018 23:34

Tgt Ion:104 Resp: 268540

Ion Ratio Lower Upper

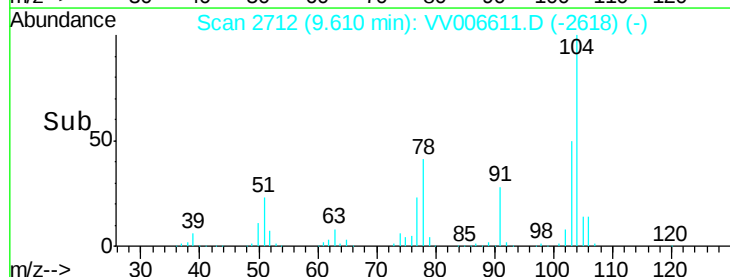
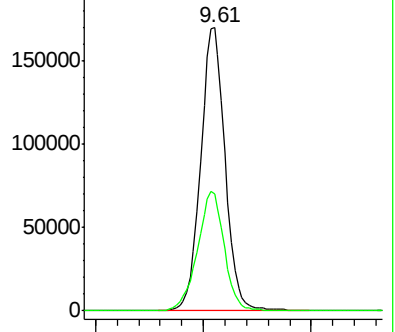
104 100

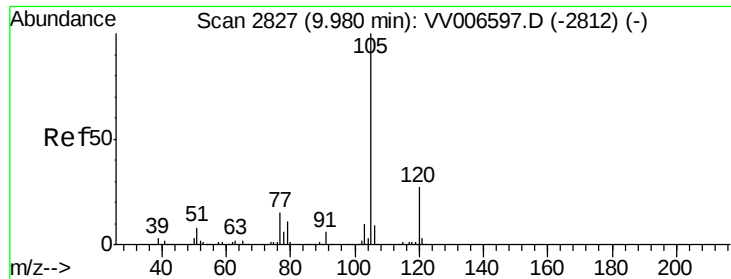
78 41.2 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.771 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00522

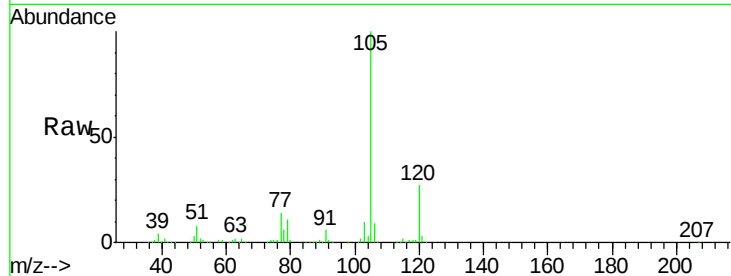
Tgt Ion: 105 Resp: 389140

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

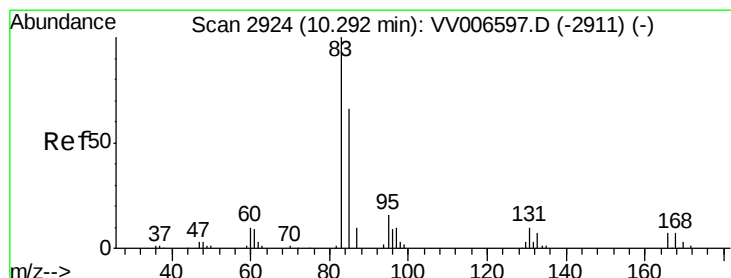
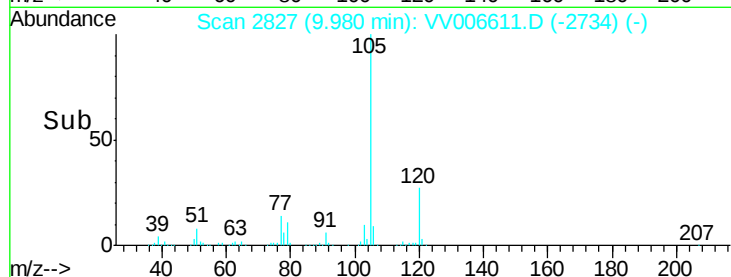
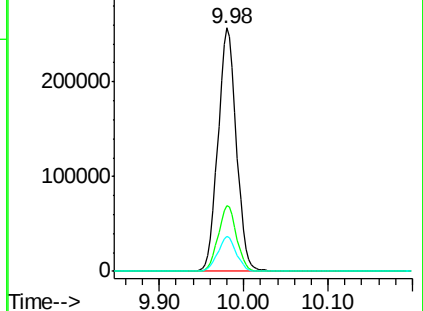
77 14.4 11.8 17.6



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: 5.439 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

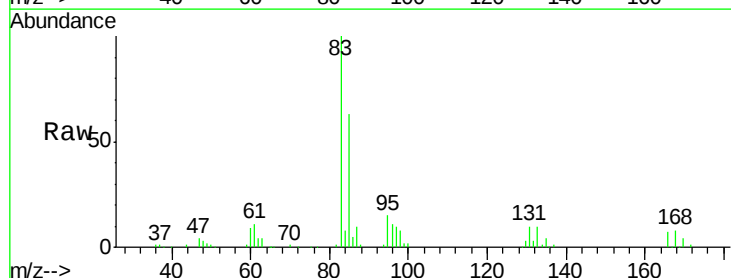
Tgt Ion: 83 Resp: 83805

Ion Ratio Lower Upper

83 100

85 63.3 44.7 83.1

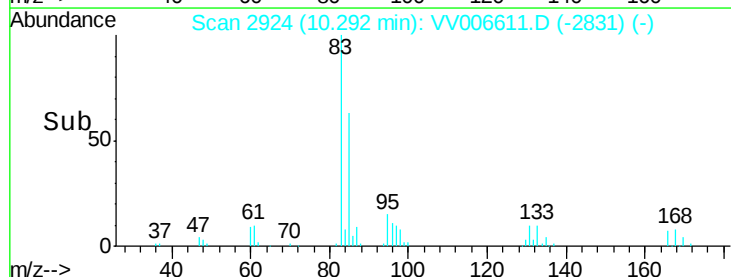
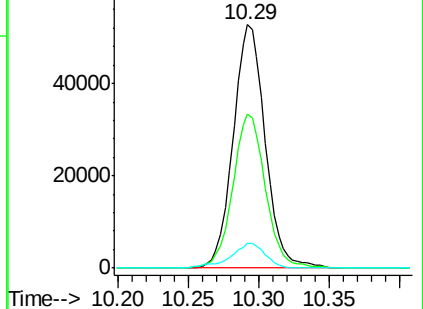
131 10.0 8.6 13.0

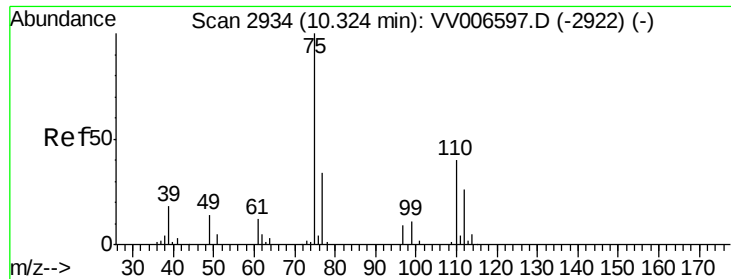


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.435 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

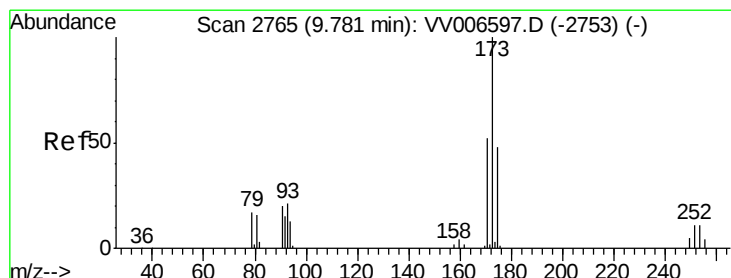
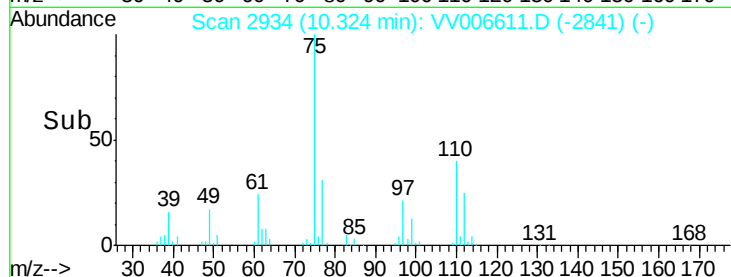
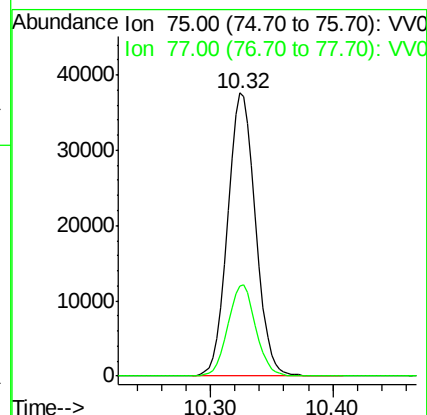
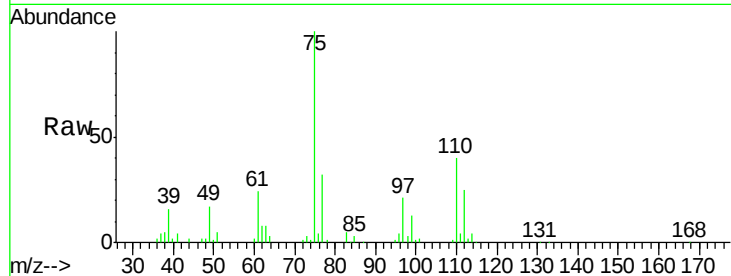
VSTD00522

Tgt Ion: 75 Resp: 60359

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#61

Bromoform

Concen: 5.437 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

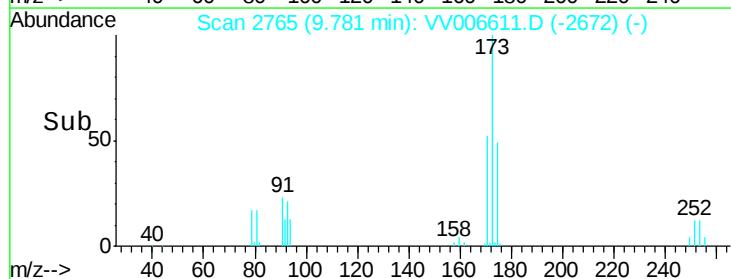
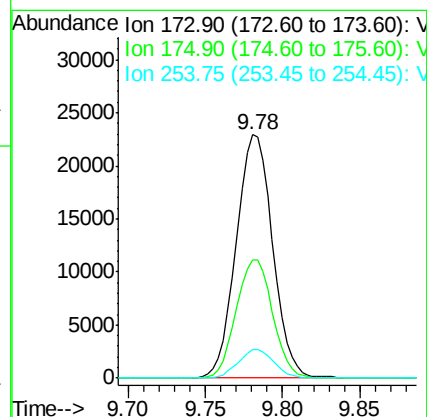
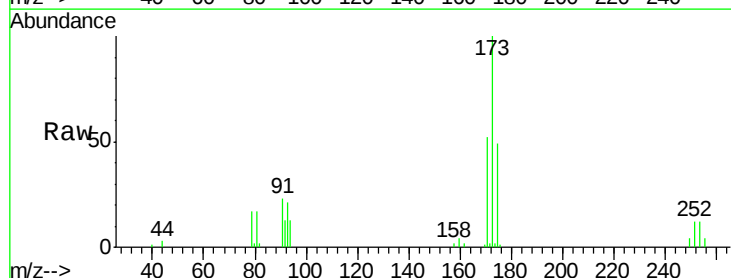
Tgt Ion: 173 Resp: 37471

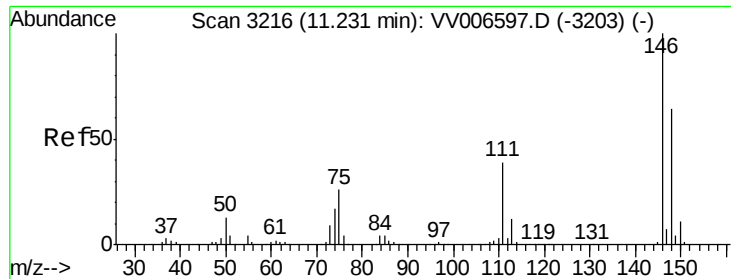
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 11.4 9.6 14.4

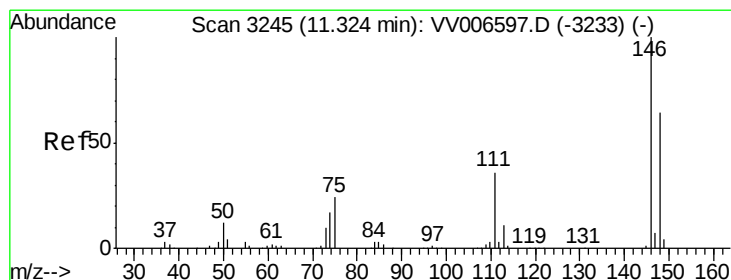
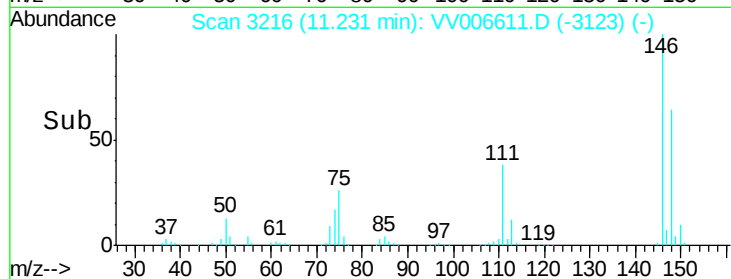
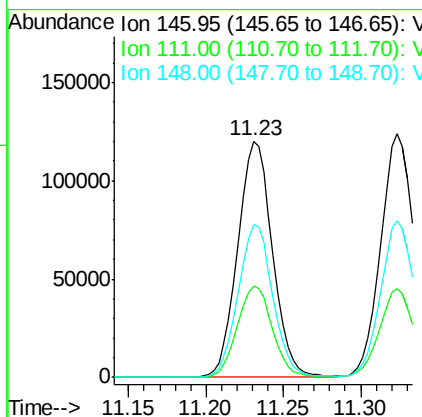
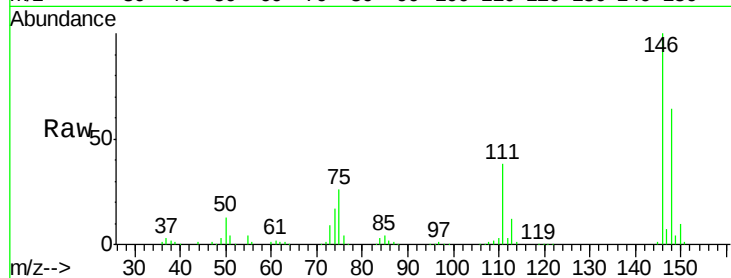




#62
 1,3-Dichlorobenzene
 Concen: 4.958 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

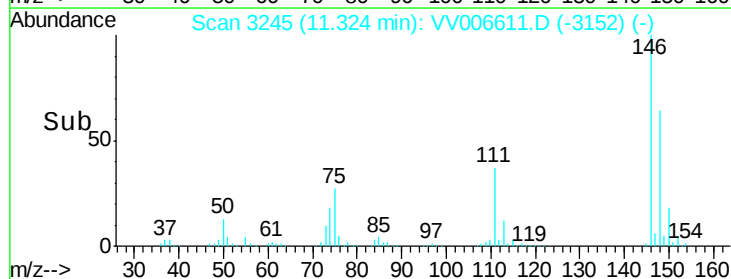
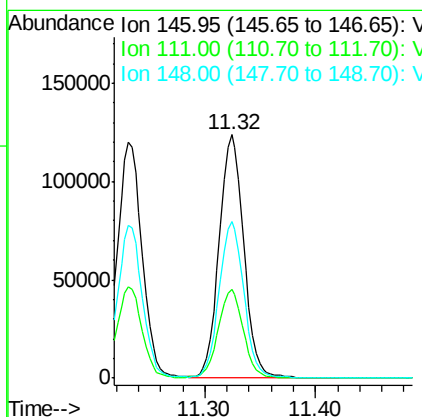
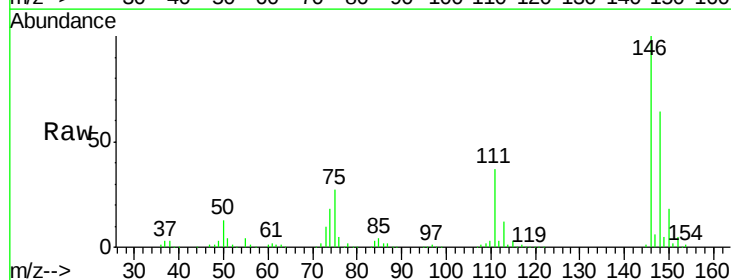
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00522

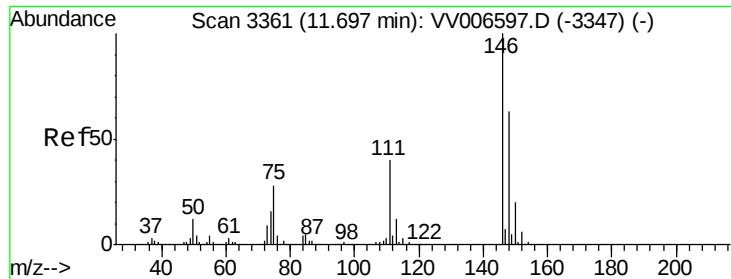
Tgt Ion:146 Resp: 188130
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.9 49.9
 148 64.4 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 4.979 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

Tgt Ion:146 Resp: 192056
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.0 48.4
 148 64.2 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 5.153 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00522

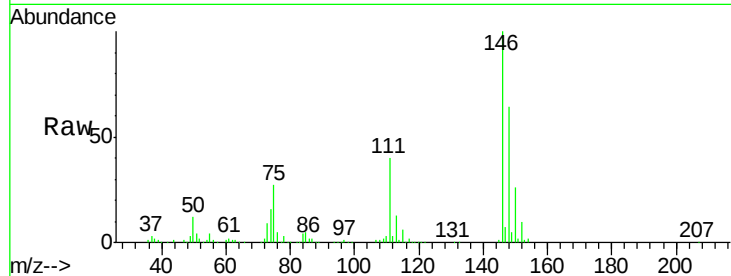
Tgt Ion:146 Resp: 188901

Ion Ratio Lower Upper

146 100

111 40.3 32.4 48.6

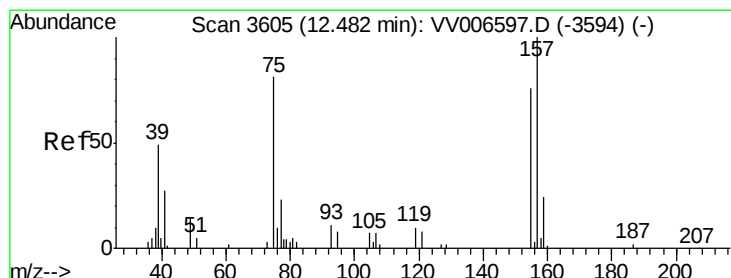
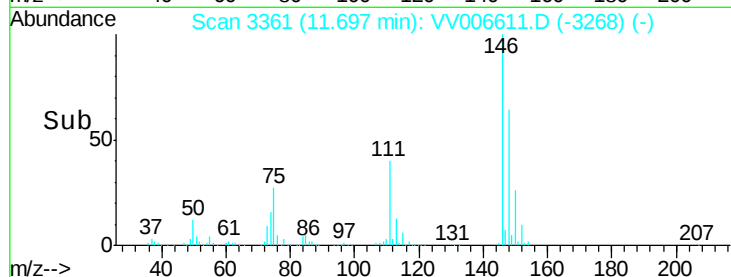
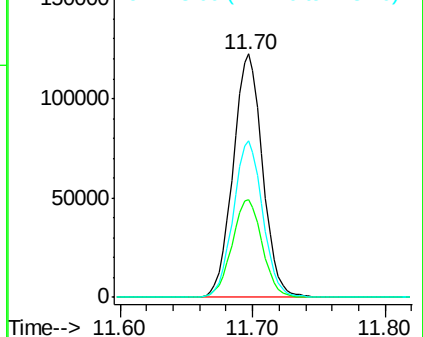
148 64.3 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.350 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006611.D

Acq: 13 Jul 2018 23:34

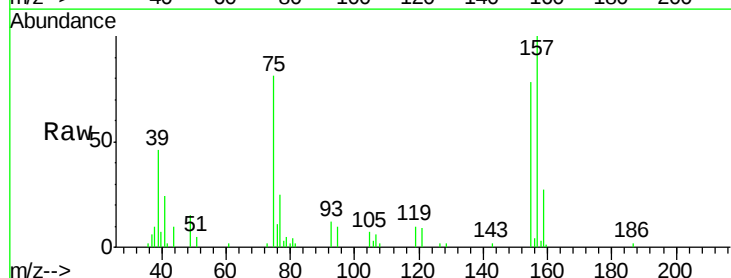
Tgt Ion: 75 Resp: 10480

Ion Ratio Lower Upper

75 100

155 96.1 75.4 113.2

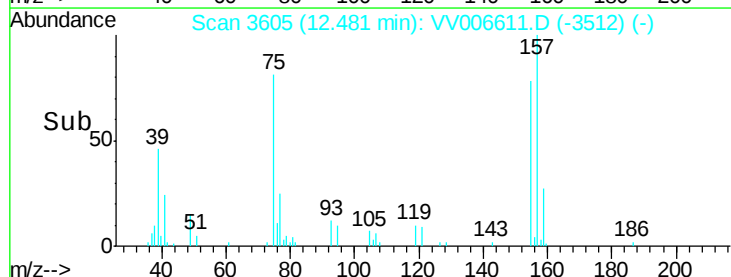
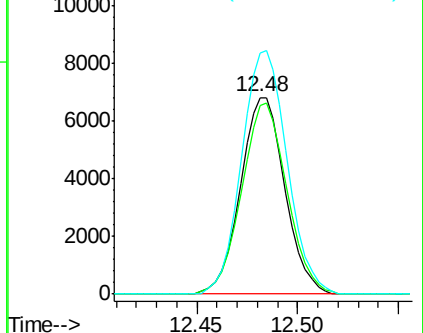
157 122.9 99.6 149.4

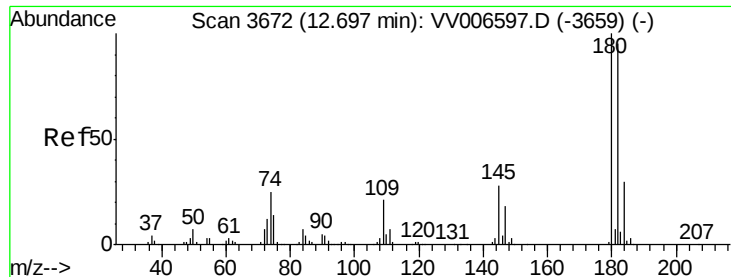


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

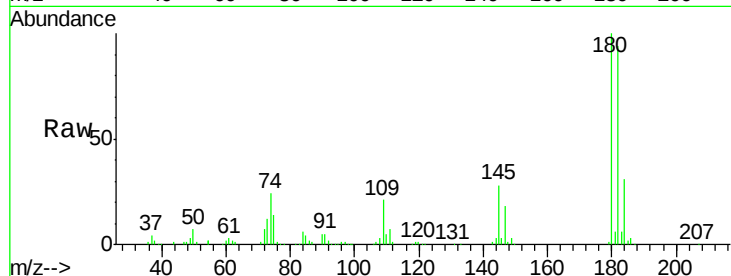




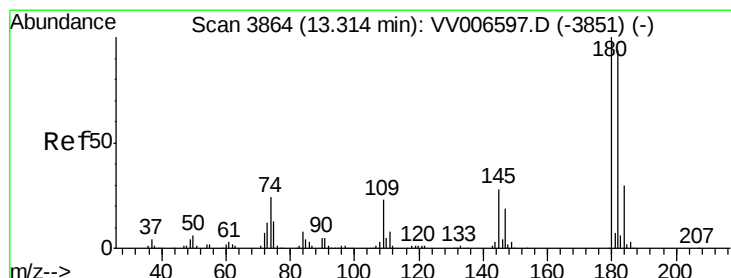
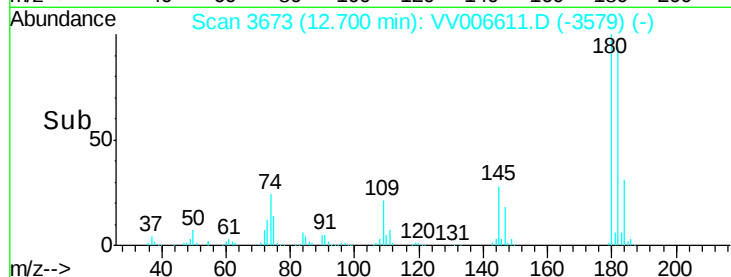
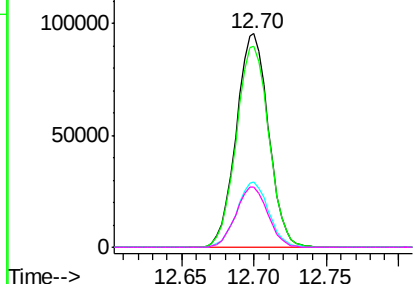
#67
 1,3,5-Trichlorobenzene
 Concen: 4.905 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00522

Tgt Ion:180 Resp: 147452
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.1 114.1
 184 30.2 24.1 36.1
 145 28.0 22.3 33.5

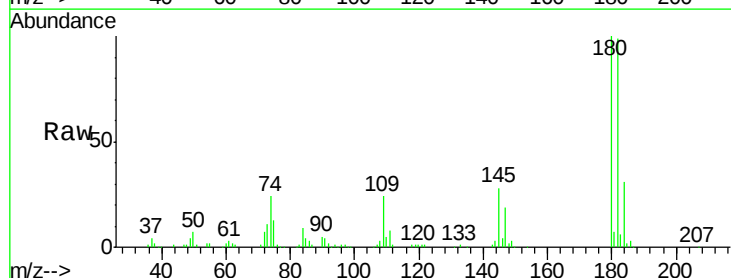


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

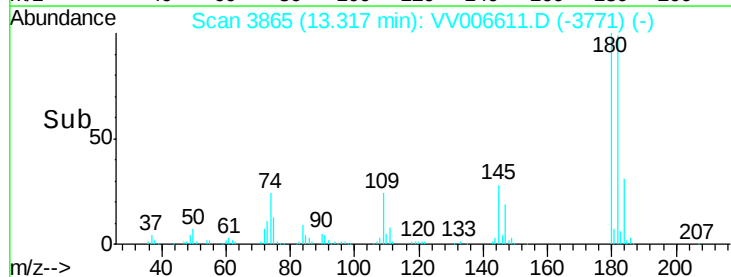
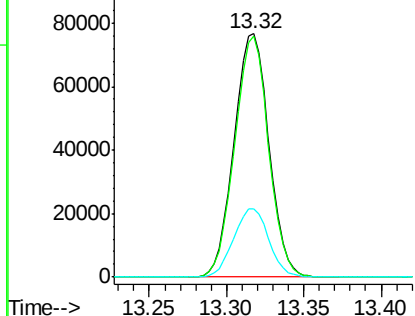


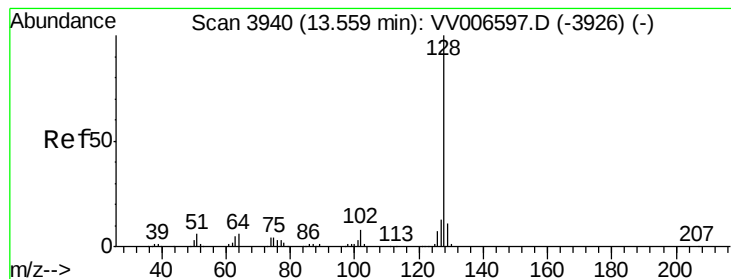
#68
 1,2,4-trichlorobenzene
 Concen: 5.005 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006611.D
 Acq: 13 Jul 2018 23:34

Tgt Ion:180 Resp: 119719
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.5 114.7
 145 28.3 23.0 34.4



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

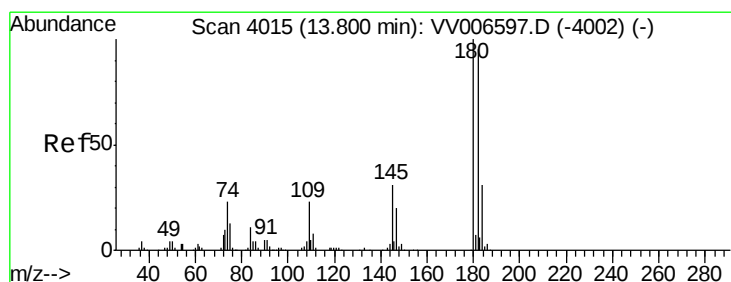
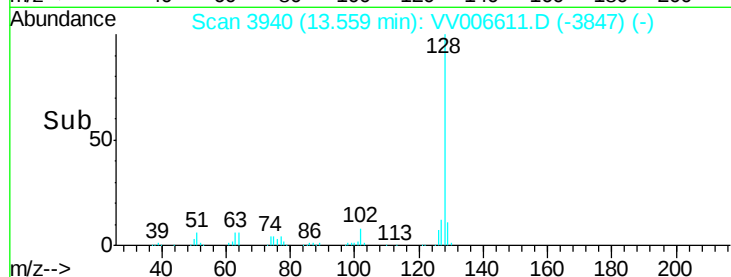
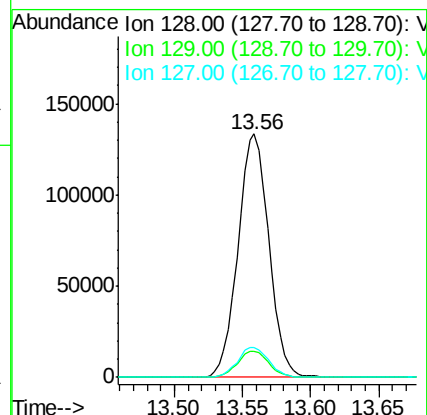
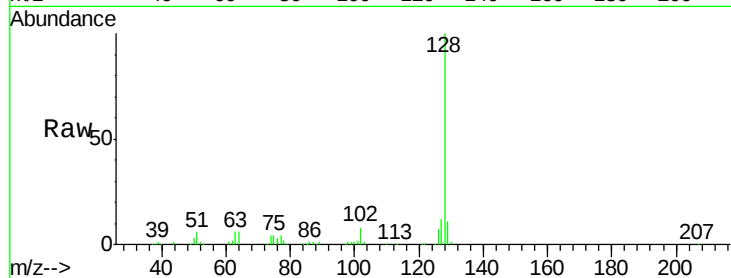




#69
Naphthalene
Concen: 5.167 ug/L
RT: 13.56 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00522

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.5	12.7
127	12.6	10.2	15.2



#70
1,2,3-Trichlorobenzene
Concen: 5.278 ug/L
RT: 13.80 min Scan# 4015
Delta R.T. -0.00 min
Lab File: VV006611.D
Acq: 13 Jul 2018 23:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.3	114.5
145	30.9	24.7	37.1

