

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062718\
 Data File : VV006484.D
 Acq On : 27 Jun 2018 17:34
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Quant Time: Jun 28 01:19:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 28 01:18:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	318996	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	290092	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	141125	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87339	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.59	69	75471	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.14	63	165460	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	3.98	46	213235	54.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.50%
24) Chloroform-d	4.41	84	171767	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.09	65	82286	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.10	84	352876	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	109121	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.36	98	329280	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.67	79	35207	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.14	63	177703	54.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.22%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	68337	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	126844	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	113822	4.869 ug/L	90
3) Chloromethane	1.26	50	111606	4.657 ug/L	98
5) Vinyl chloride	1.33	62	124266	4.773 ug/L	99
6) Bromomethane	1.54	94	70190	4.655 ug/L	99
8) Chloroethane	1.60	64	78230	4.737 ug/L	99
9) Trichlorofluoromethane	1.77	101	158590	5.067 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	101430	5.160 ug/L	99
12) 1,1-Dichloroethene	2.15	96	92722	4.806 ug/L	89
13) Acetone	2.23	43	123312	51.186 ug/L	96
14) Carbon disulfide	2.32	76	218277	4.007 ug/L	100
15) Methyl Acetate	2.48	43	34243	4.827 ug/L	97
16) Methylene chloride	2.54	84	104197	4.611 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	223876	4.788 ug/L	99
18) trans-1,2-Dichloroethene	2.80	96	102081	4.833 ug/L	99
19) 1,1-Dichloroethane	3.23	63	178871	4.755 ug/L	99
21) 2-Butanone	4.06	43	203737	46.796 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	110766	4.769 ug/L	96

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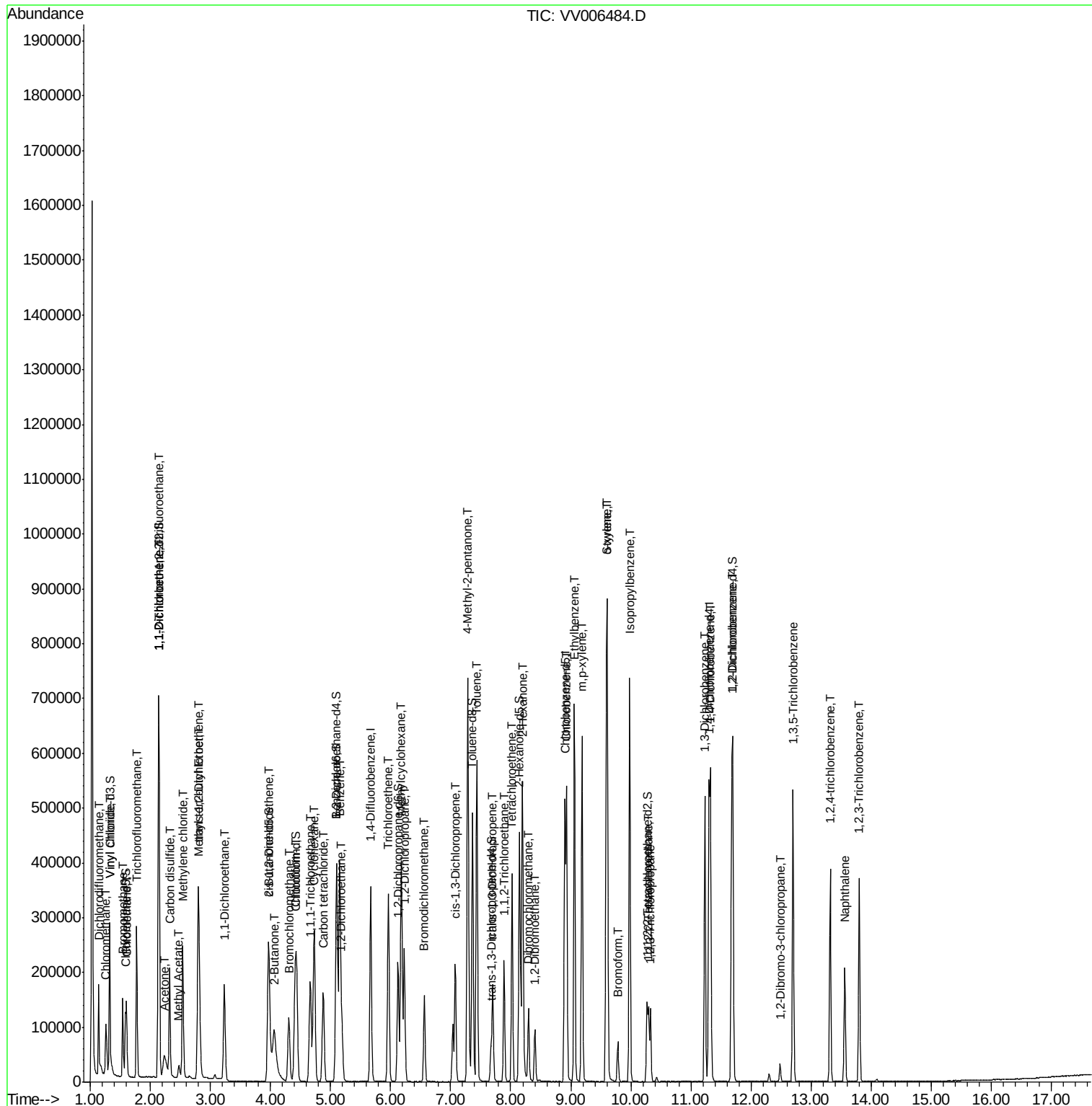
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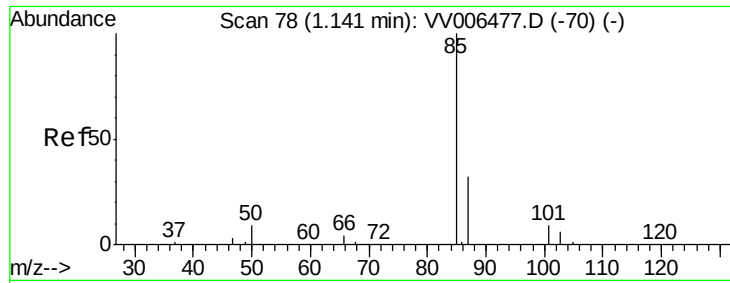
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45083	4.777	ug/L	96
25) Chloroform	4.44	83	183603	4.843	ug/L	98
27) 1,2-Dichloroethane	5.19	62	102643	4.818	ug/L	99
29) 1,1,1-Trichloroethane	4.67	97	147393	4.659	ug/L	100
30) Cyclohexane	4.73	56	152316	4.817	ug/L	100
31) Carbon tetrachloride	4.88	117	121465	4.578	ug/L	100
33) Benzene	5.15	78	413496	4.827	ug/L	100
34) Trichloroethene	5.96	95	114516	4.673	ug/L	97
35) Methylcyclohexane	6.18	83	174735	4.903	ug/L	100
37) 1,2-Dichloropropane	6.23	63	100160	4.784	ug/L	100
38) Bromodichloromethane	6.56	83	106760	4.430	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	131983	4.530	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	491427	48.239	ug/L	100
42) Toluene	7.44	91	443476	4.888	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	100345	4.391	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	71743	4.962	ug/L	98
47) Tetrachloroethene	8.02	164	89428	4.830	ug/L	99
48) 2-Hexanone	8.20	43	355592	48.518	ug/L	99
49) Dibromochloromethane	8.30	129	67968	4.409	ug/L	99
50) 1,2-Dibromoethane	8.40	107	63163	4.859	ug/L	100
51) Chlorobenzene	8.93	112	289921	4.829	ug/L	99
52) Ethylbenzene	9.06	91	482678	4.914	ug/L	100
53) m,p-xylene	9.19	106	186105	4.913	ug/L	100
54) o-xylene	9.59	106	181980	4.897	ug/L	99
55) Styrene	9.61	104	304562	5.009	ug/L	100
56) Isopropylbenzene	9.98	105	477184	4.928	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	62587	4.590	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	54832	4.815	ug/L	97
61) Bromoform	9.78	173	32937	4.159	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	220985	4.754	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	221423	4.762	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	211584	4.863	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7465	4.038	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	170390	4.824	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	127701	4.930	ug/L	99
69) Naphthalene	13.56	128	176362	4.658	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	118439	4.912	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 4.869 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

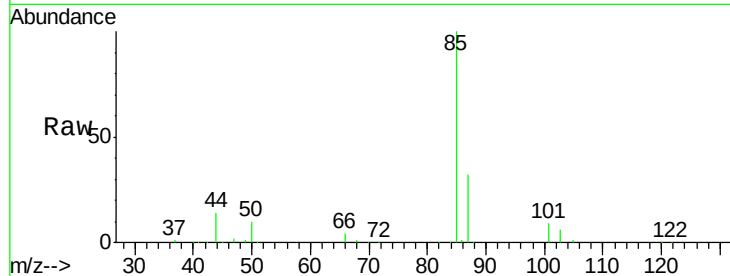
VSTD00565

Tgt Ion: 85 Resp: 113822

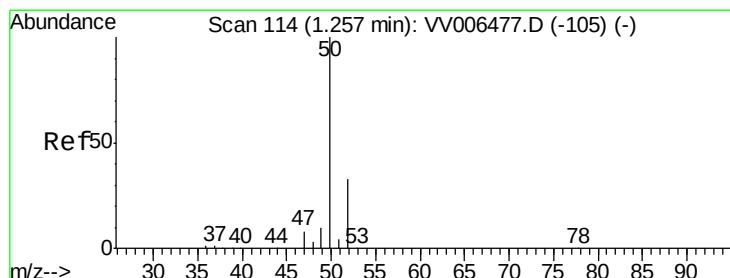
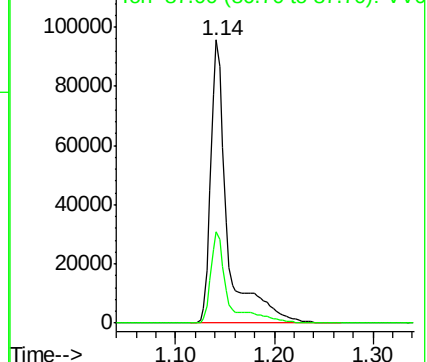
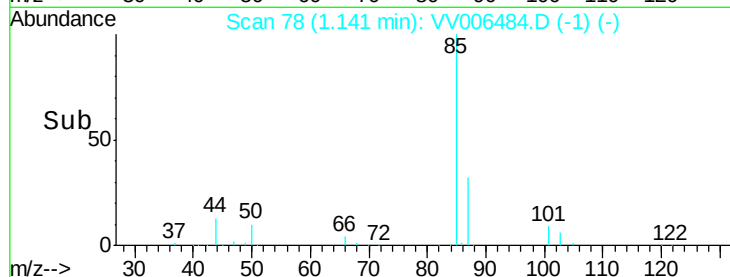
Ion Ratio Lower Upper

85 100

87 26.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006484.D (-1) (-)



#3

Chloromethane

Concen: 4.657 ug/L

RT: 1.26 min Scan# 115

Delta R.T. 0.00 min

Lab File: VV006484.D

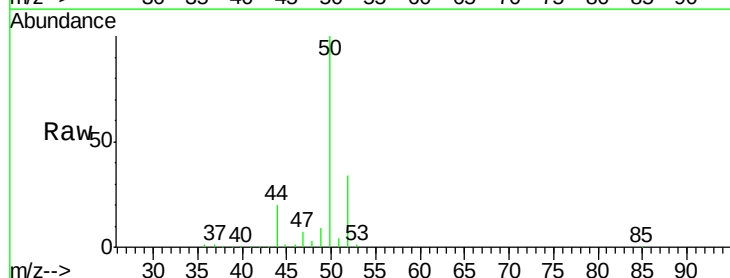
Acq: 27 Jun 2018 17:34

Tgt Ion: 50 Resp: 111606

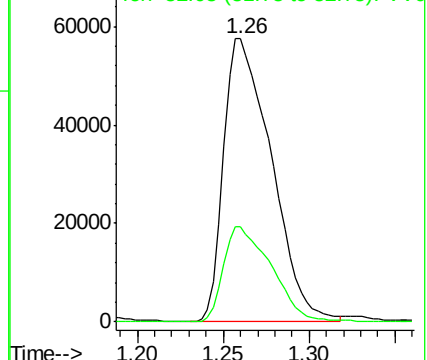
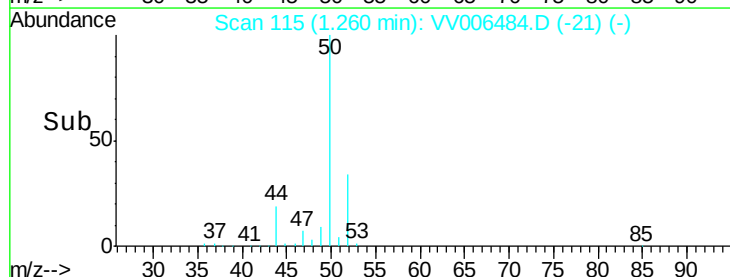
Ion Ratio Lower Upper

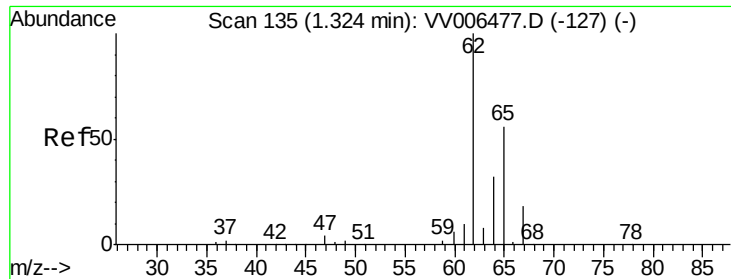
50 100

52 33.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006484.D (-21) (-)





#5

Vinyl chloride

Concen: 4.773 ug/L

RT: 1.33 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

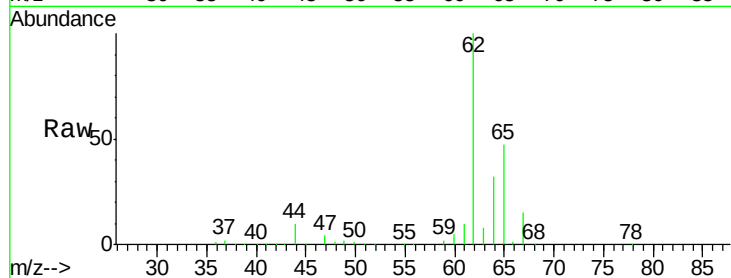
VSTD00565

Tgt Ion: 62 Resp: 124266

Ion Ratio Lower Upper

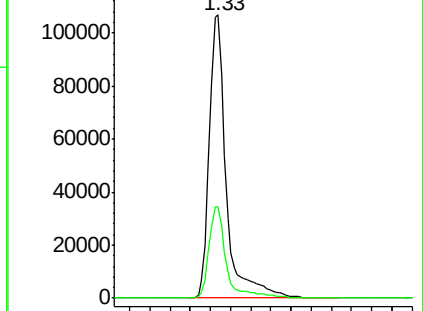
62 100

64 32.3 23.1 42.9

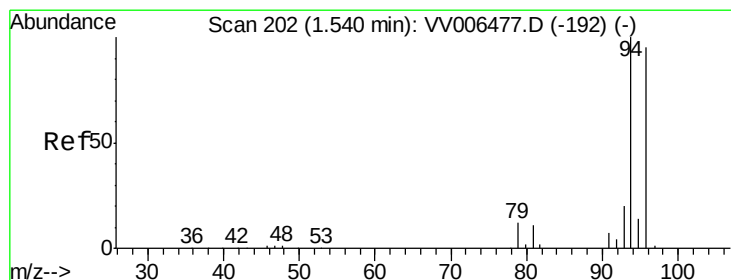
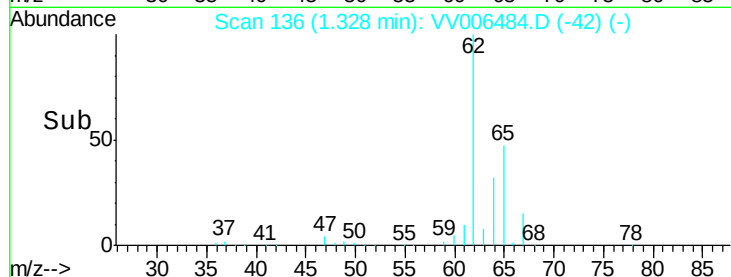


Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



Time-->



#6

Bromomethane

Concen: 4.655 ug/L

RT: 1.54 min Scan# 203

Delta R.T. 0.00 min

Lab File: VV006484.D

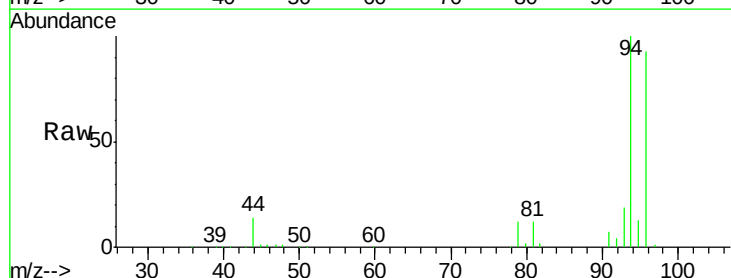
Acq: 27 Jun 2018 17:34

Tgt Ion: 94 Resp: 70190

Ion Ratio Lower Upper

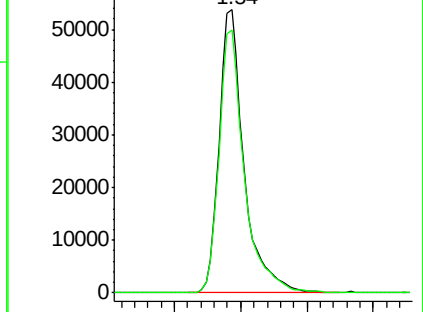
94 100

96 92.7 65.7 122.1

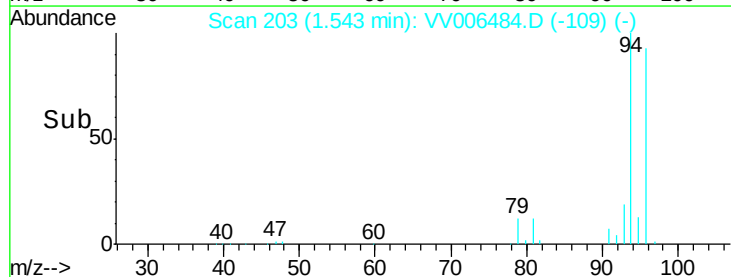


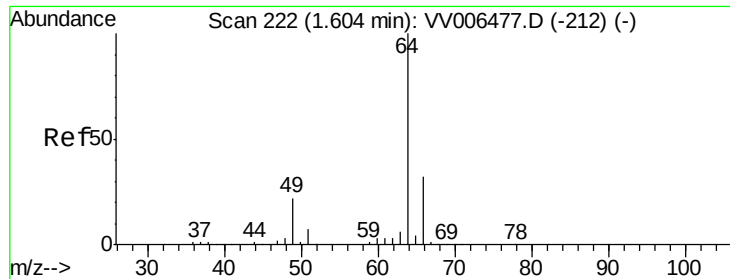
Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



Time-->





#8

Chloroethane

Concen: 4.737 ug/L

RT: 1.60 min Scan# 222

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

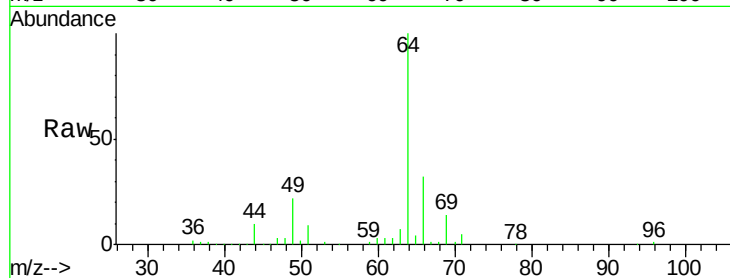
VSTD00565

Tgt Ion: 64 Resp: 78230

Ion Ratio Lower Upper

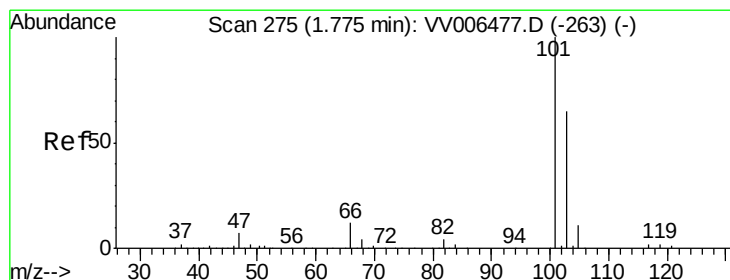
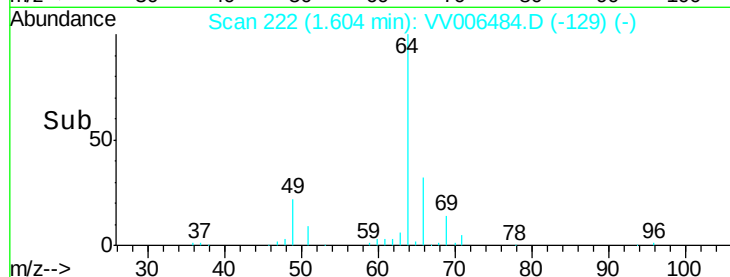
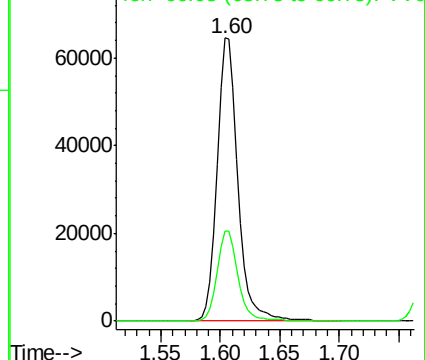
64 100

66 31.9 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV006477.D (-212) (-)

Ion 66.05 (65.75 to 66.75): VV006477.D (-212) (-)



#9

Trichlorofluoromethane

Concen: 5.067 ug/L

RT: 1.77 min Scan# 275

Delta R.T. -0.00 min

Lab File: VV006484.D

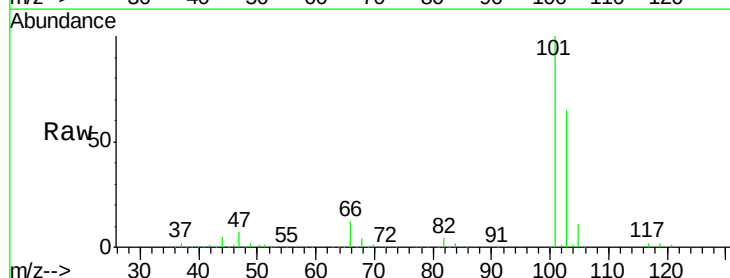
Acq: 27 Jun 2018 17:34

Tgt Ion: 101 Resp: 158590

Ion Ratio Lower Upper

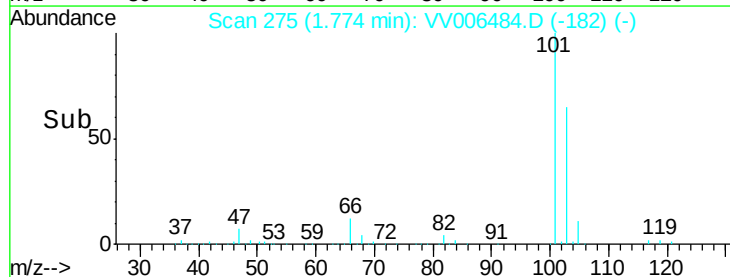
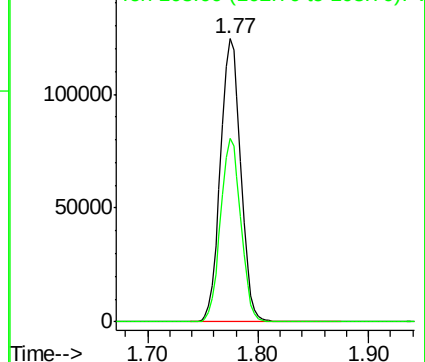
101 100

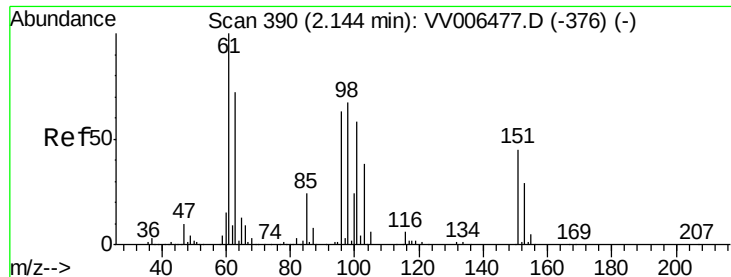
103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006477.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV006477.D (-263) (-)





#10

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

Concen: 5.160 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

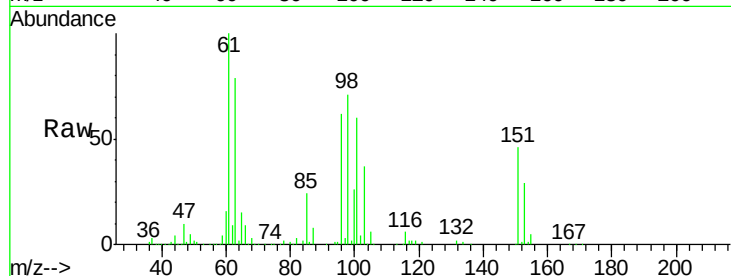
Tgt Ion: 101 Resp: 101430

Ion Ratio Lower Upper

101 100

85 40.4 33.1 49.7

151 77.1 61.7 92.5

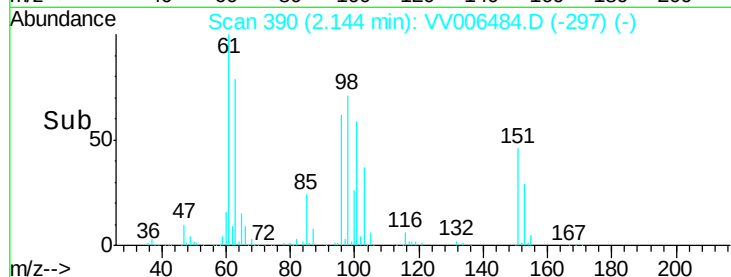


Abundance Ion 101.00 (100.70 to 101.70): VV006477.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VV006477.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VV006477.D (-376) (-)

Time--> 2.05 2.10 2.15 2.20

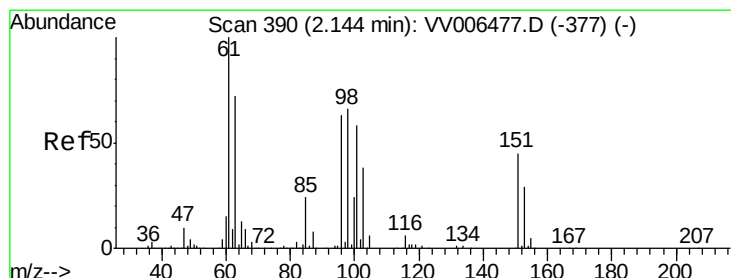


Abundance Ion 96.00 (95.70 to 96.70): VV006484.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006484.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006484.D (-297) (-)

Time--> 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 4.806 ug/L

RT: 2.15 min Scan# 391

Delta R.T. 0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

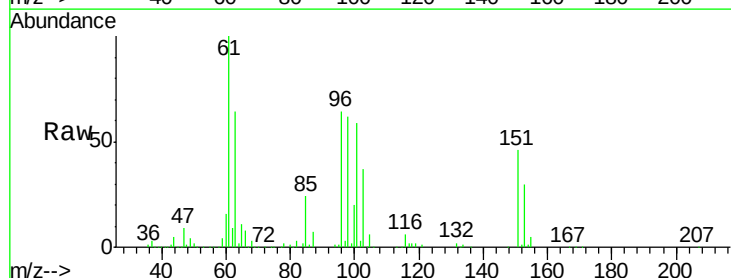
Tgt Ion: 96 Resp: 92722

Ion Ratio Lower Upper

96 100

61 155.3 111.4 207.0

63 99.8 87.4 162.2

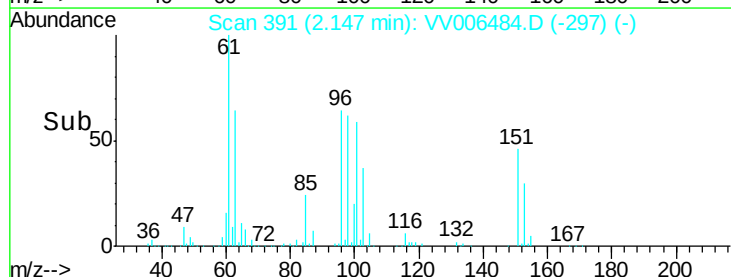


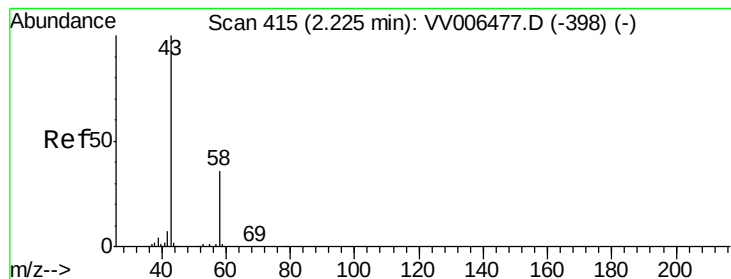
Abundance Ion 96.00 (95.70 to 96.70): VV006484.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006484.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006484.D (-297) (-)

Time--> 2.10 2.15 2.20





#13

Acetone

Concen: 51.186 ug/L

RT: 2.23 min Scan# 418

Delta R.T. 0.01 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampled :

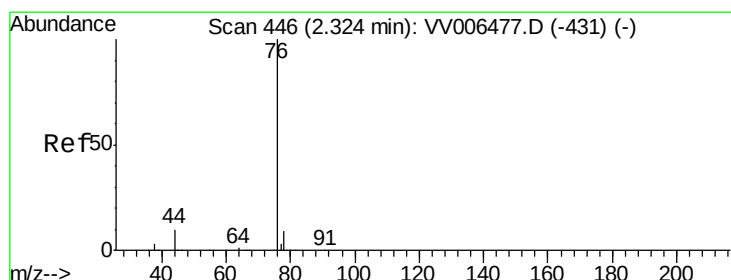
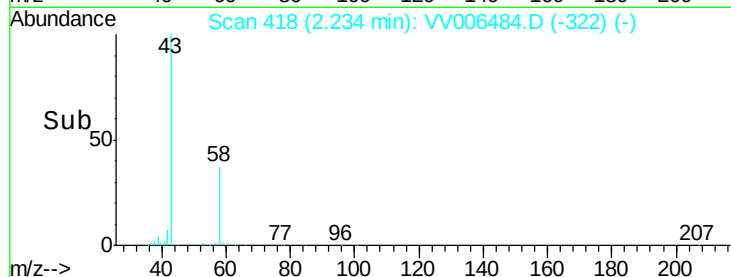
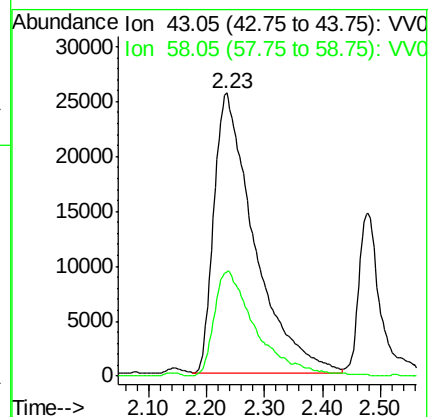
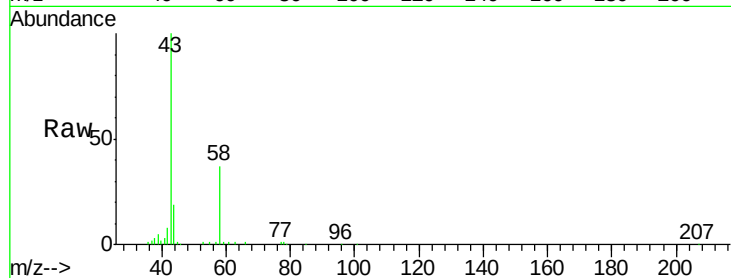
VSTD00565

Tgt Ion: 43 Resp: 123312

Ion Ratio Lower Upper

43 100

58 36.2 0.0 77.4



#14

Carbon disulfide

Concen: 4.007 ug/L

RT: 2.32 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV006484.D

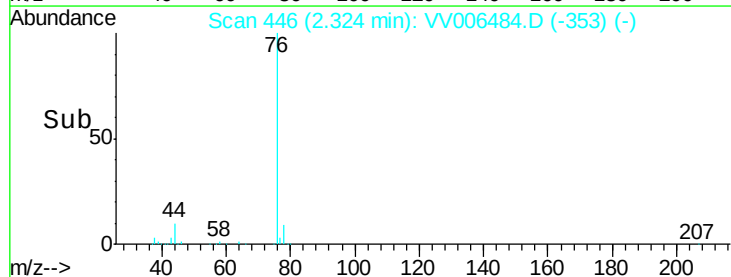
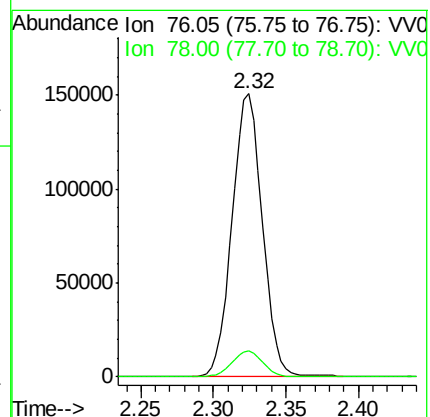
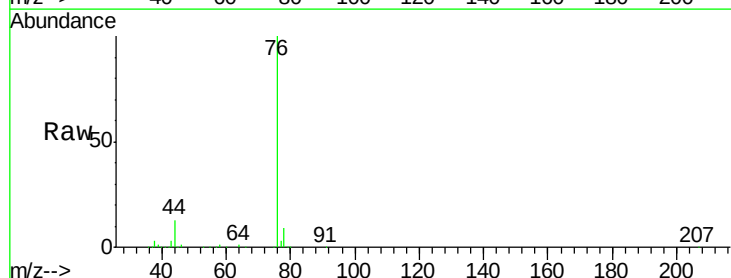
Acq: 27 Jun 2018 17:34

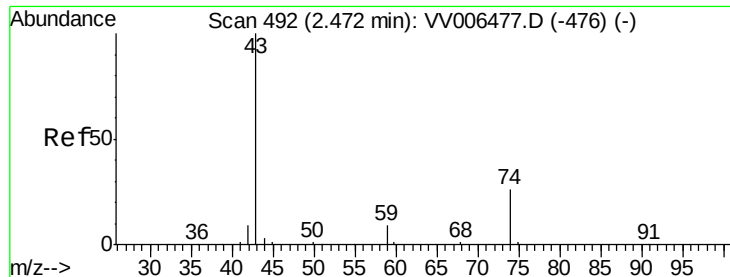
Tgt Ion: 76 Resp: 218277

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 4.827 ug/L

RT: 2.48 min Scan# 494

Delta R.T. 0.01 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

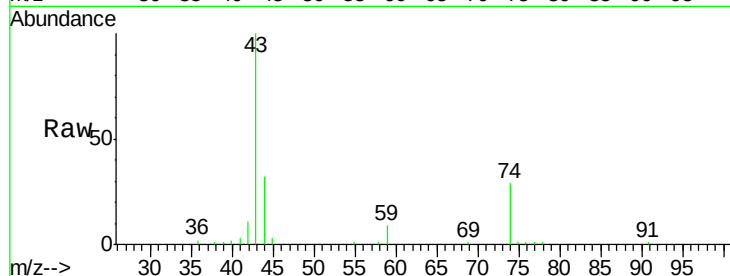
VSTD00565

Tgt Ion: 43 Resp: 34243

Ion Ratio Lower Upper

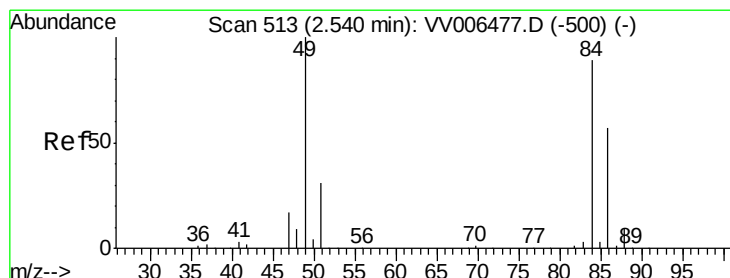
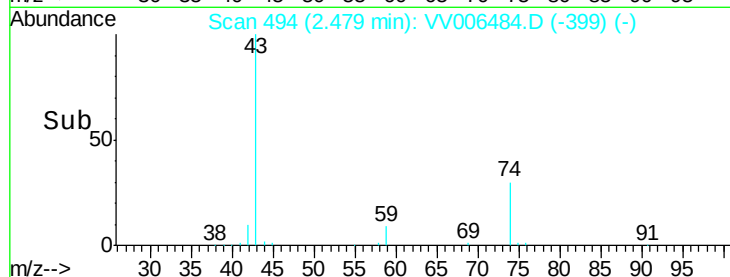
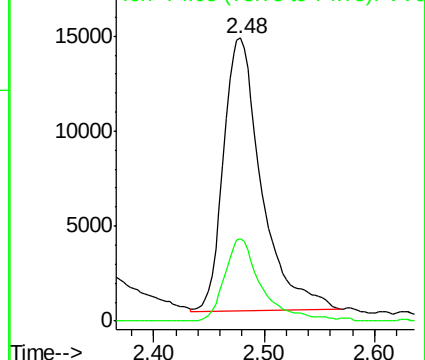
43 100

74 29.5 22.2 33.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.611 ug/L

RT: 2.54 min Scan# 514

Delta R.T. 0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

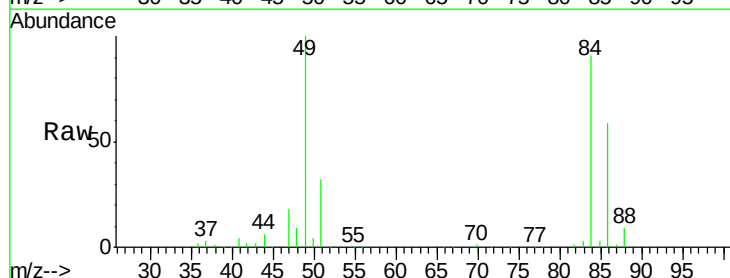
Tgt Ion: 84 Resp: 104197

Ion Ratio Lower Upper

84 100

86 64.7 44.2 82.2

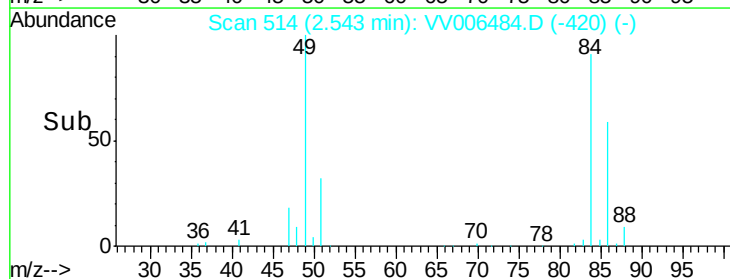
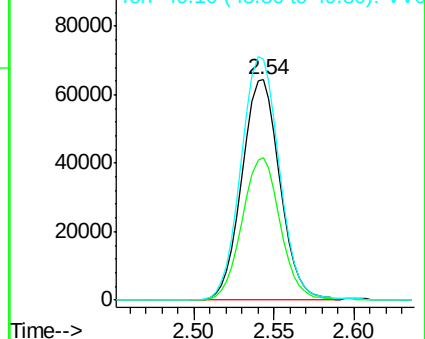
49 109.5 79.0 146.8

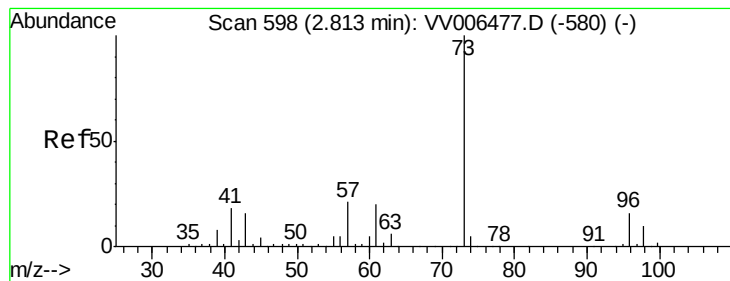


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 4.788 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

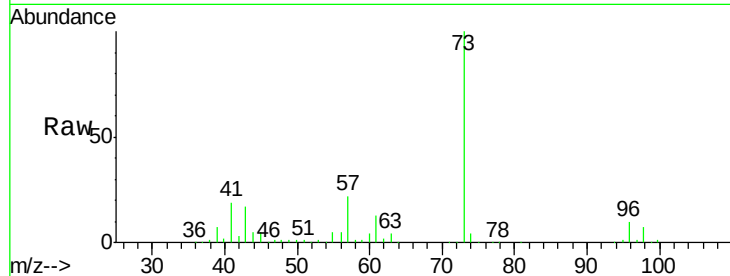
Tgt Ion: 73 Resp: 223876

Ion Ratio Lower Upper

73 100

43 16.2 12.9 19.3

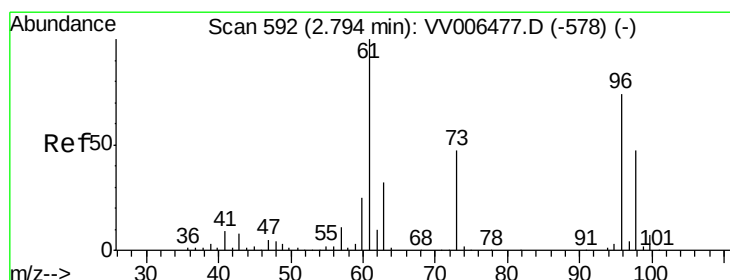
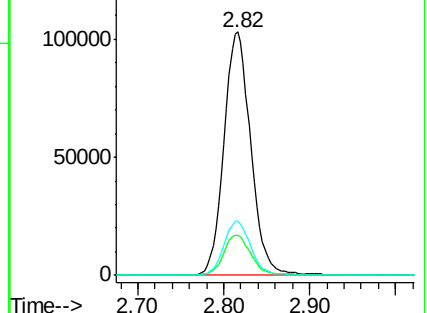
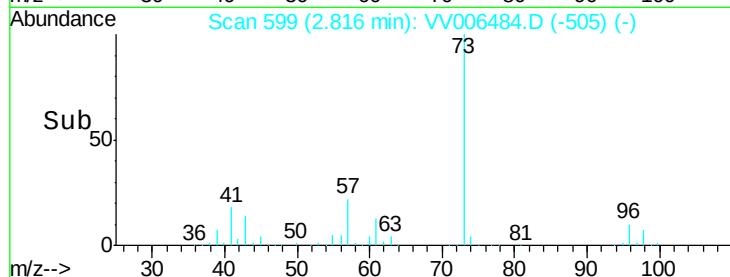
57 22.4 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV006484.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006484.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006484.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.833 ug/L

RT: 2.80 min Scan# 593

Delta R.T. 0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

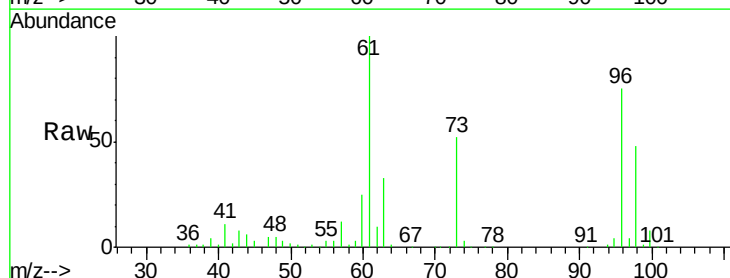
Tgt Ion: 96 Resp: 102081

Ion Ratio Lower Upper

96 100

61 133.2 94.4 175.2

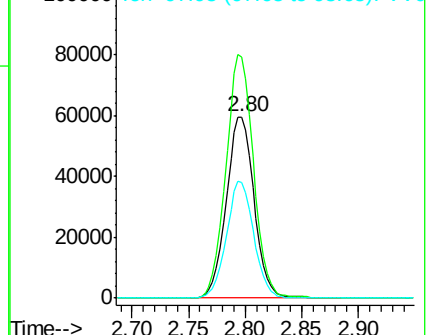
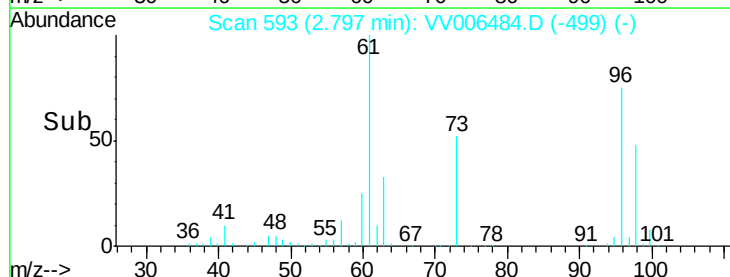
98 64.1 44.3 82.3

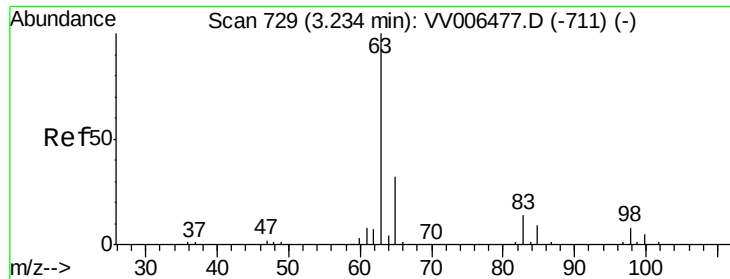


Abundance Ion 96.00 (95.70 to 96.70): VV006484.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006484.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006484.D (-499) (-)

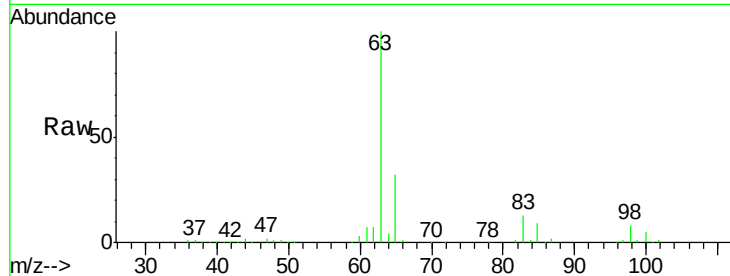




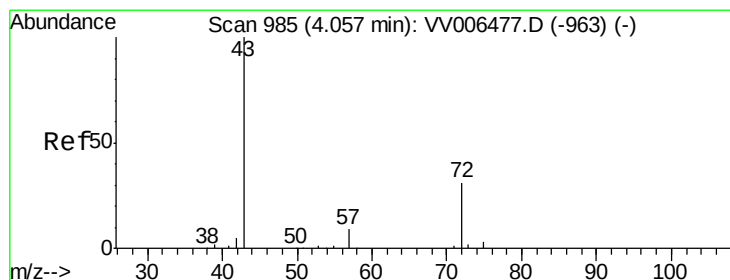
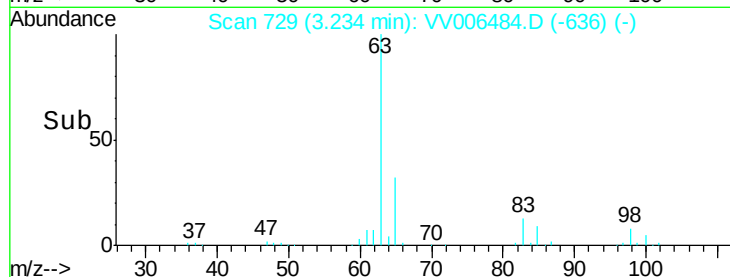
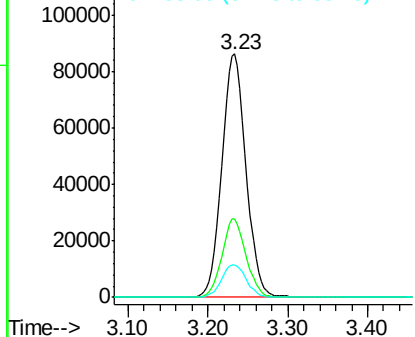
#19
 1,1-Dichloroethane
 Concen: 4.755 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion: 63 Resp: 178871
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.2 41.2
 83 13.3 9.2 17.2

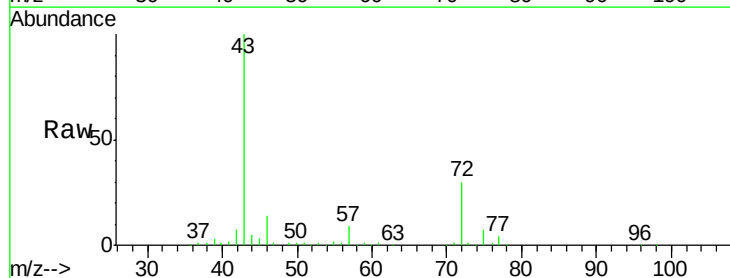


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

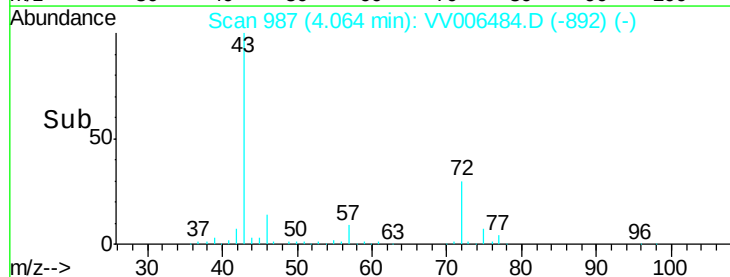
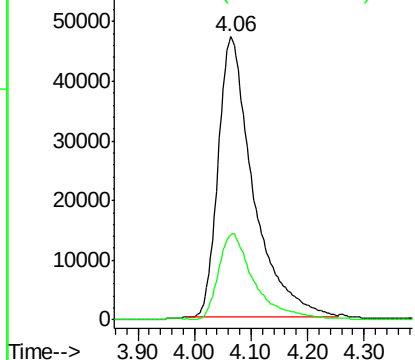


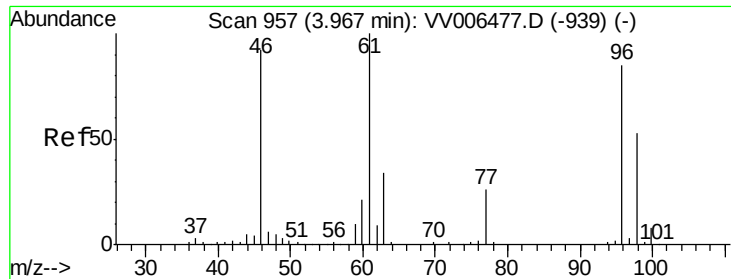
#21
 2-Butanone
 Concen: 46.796 ug/L
 RT: 4.06 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Tgt Ion: 43 Resp: 203737
 Ion Ratio Lower Upper
 43 100
 72 31.7 15.4 46.1



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



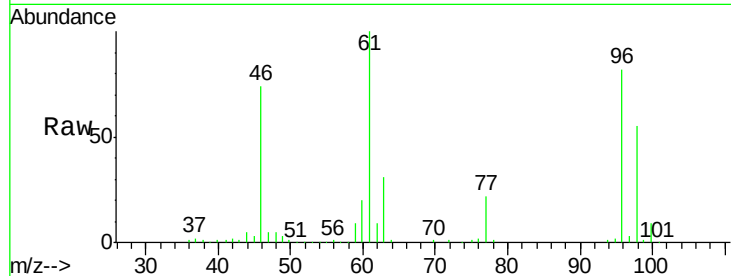


#22

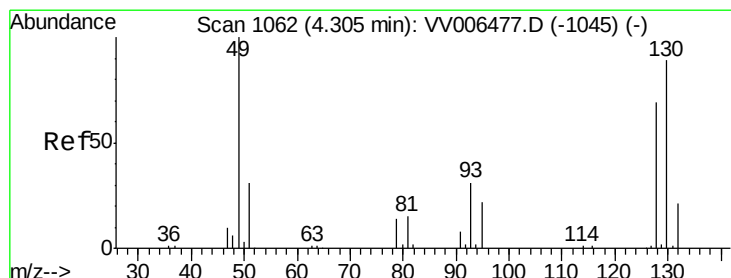
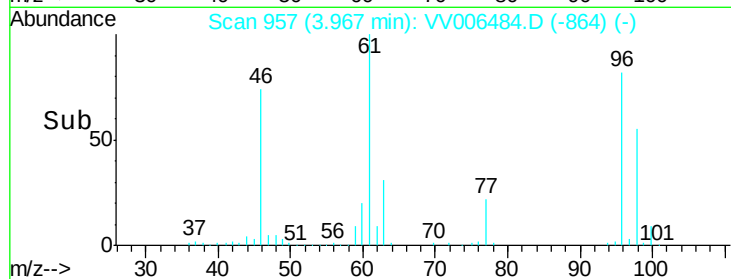
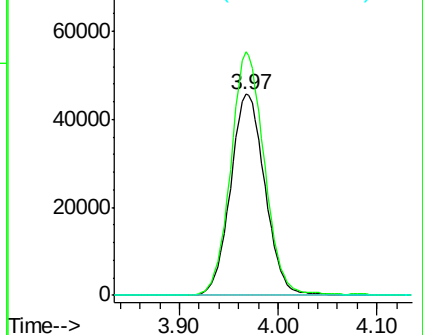
cis-1,2-Dichloroethene
Concen: 4.769 ug/L
RT: 3.97 min Scan# 957
Delta R.T. -0.00 min
Lab File: VV006484.D
Acq: 27 Jun 2018 17:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion: 96 Resp: 110766
Ion Ratio Lower Upper
96 100
61 121.3 81.8 151.8
68 0.0 0.0 0.0



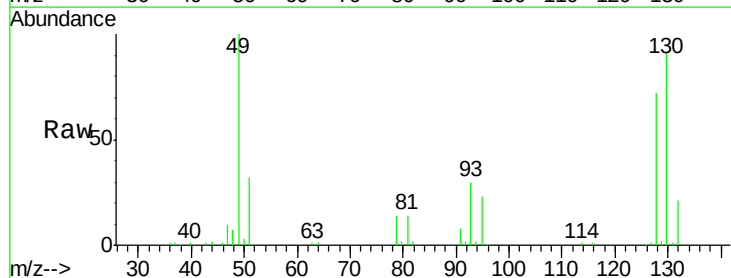
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



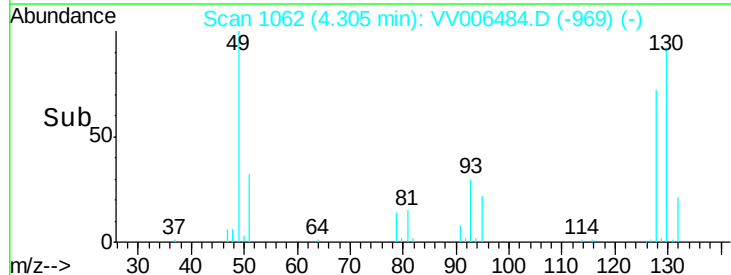
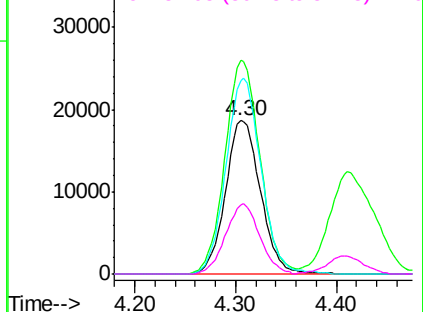
#23

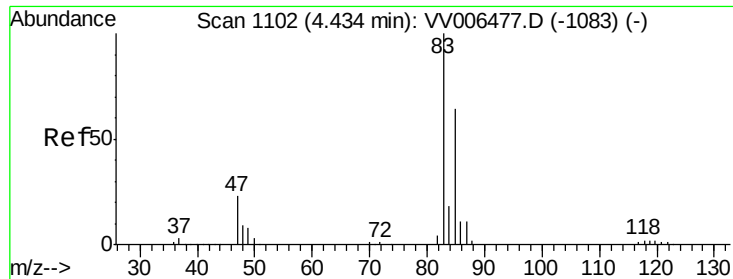
Bromochloromethane
Concen: 4.777 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV006484.D
Acq: 27 Jun 2018 17:34

Tgt Ion: 128 Resp: 45083
Ion Ratio Lower Upper
128 100
49 139.3 101.2 188.0
130 126.3 93.0 172.6
51 45.2 37.0 55.6



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

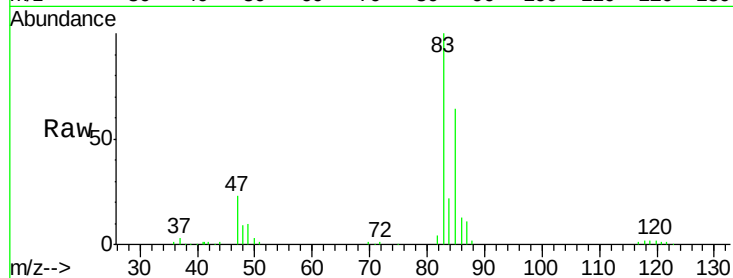




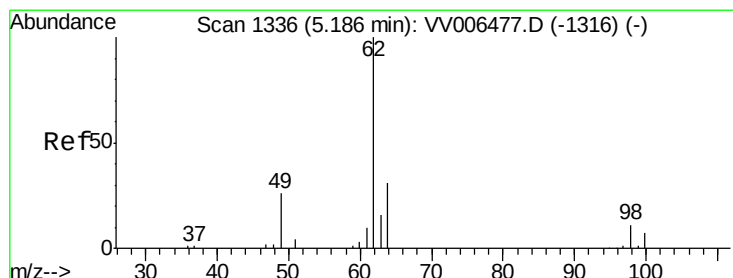
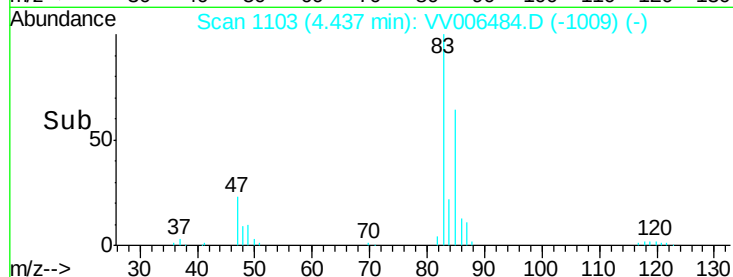
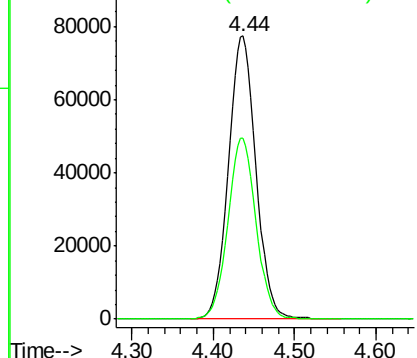
#25
Chloroform
Concen: 4.843 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006484.D
Acq: 27 Jun 2018 17:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion: 83 Resp: 183603
Ion Ratio Lower Upper
83 100
85 63.8 45.6 84.6

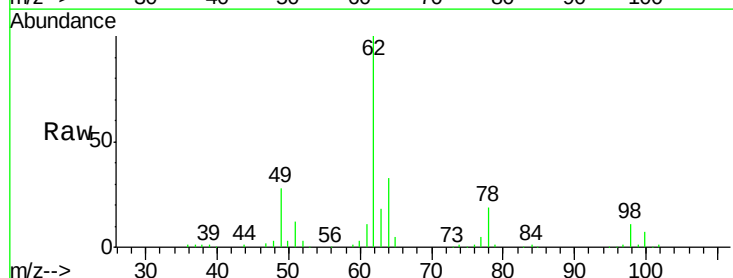


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

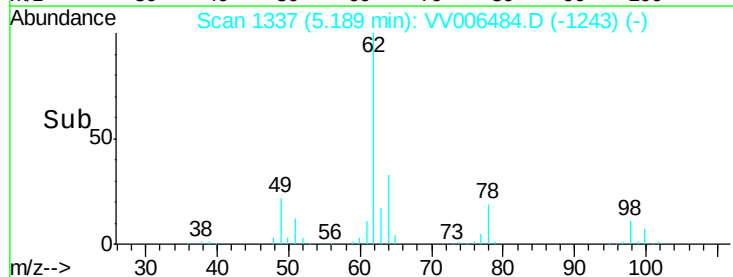
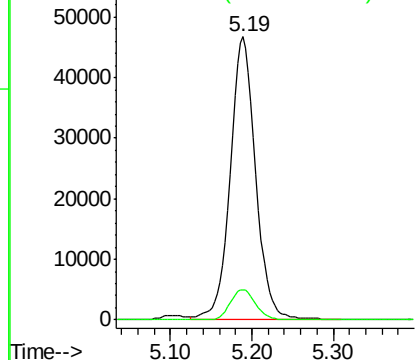


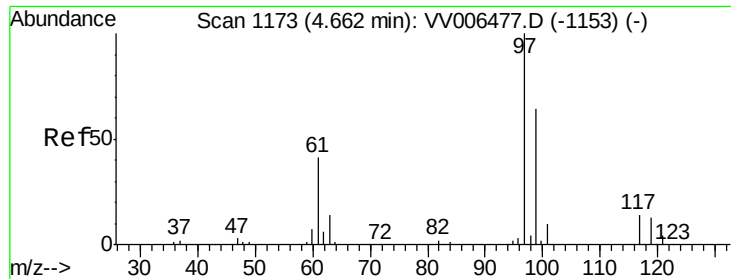
#27
1,2-Dichloroethane
Concen: 4.818 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006484.D
Acq: 27 Jun 2018 17:34

Tgt Ion: 62 Resp: 102643
Ion Ratio Lower Upper
62 100
98 10.8 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

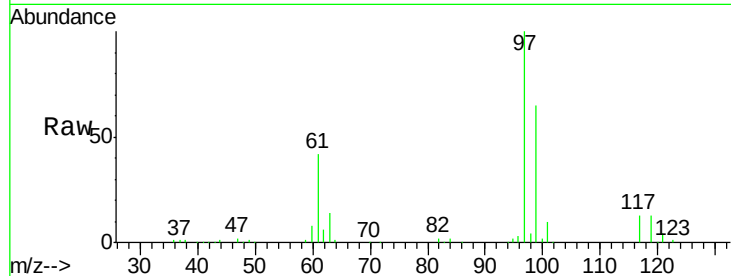




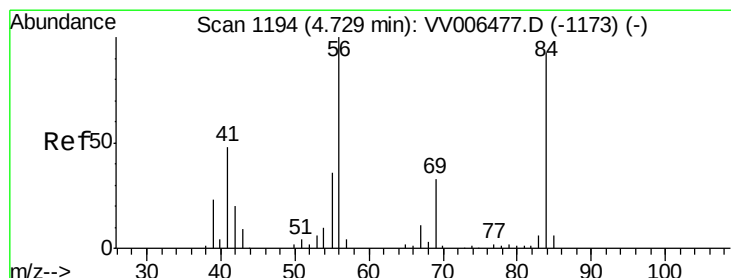
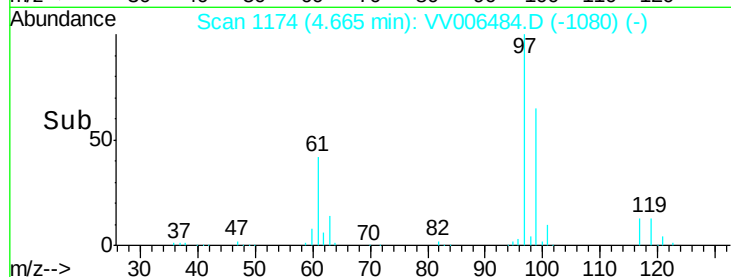
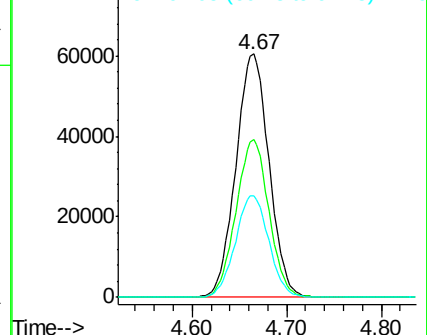
#29
 1,1,1-Trichloroethane
 Concen: 4.659 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion: 97 Resp: 147393
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.0 76.4
 61 42.1 33.8 50.6

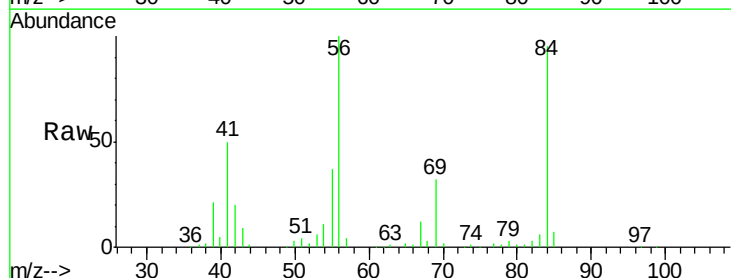


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

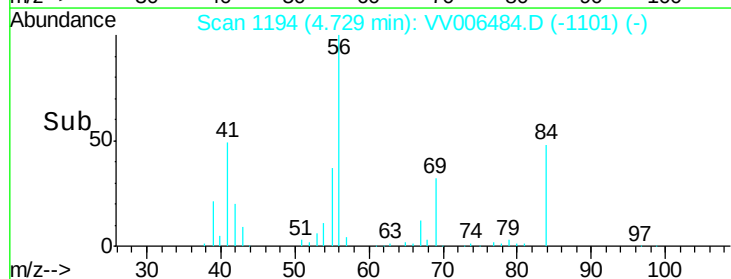
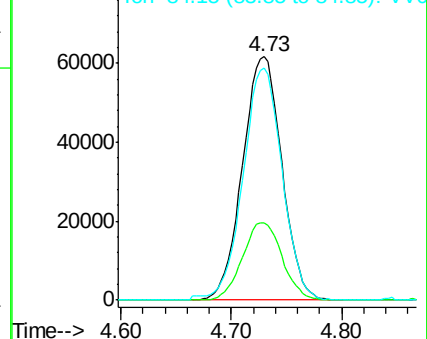


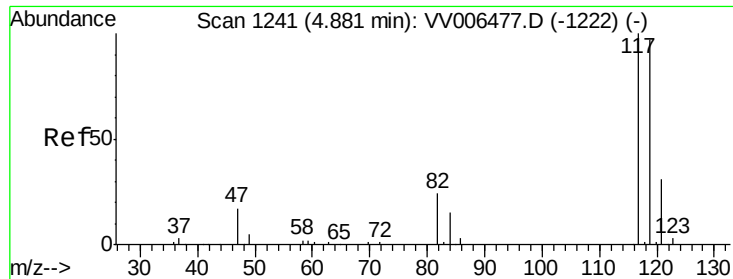
#30
 Cyclohexane
 Concen: 4.817 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Tgt Ion: 56 Resp: 152316
 Ion Ratio Lower Upper
 56 100
 69 32.0 25.6 38.4
 84 94.8 75.4 113.0



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: 4.578 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

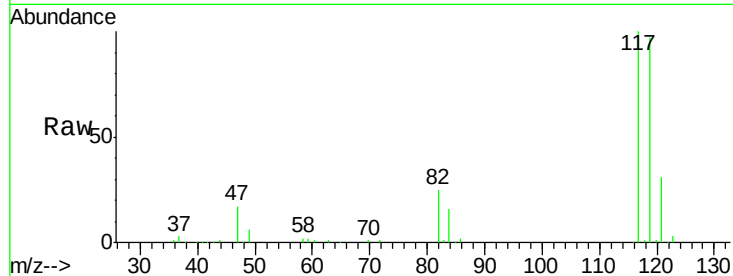
VSTD00565

Tgt Ion:117 Resp: 121465

Ion Ratio Lower Upper

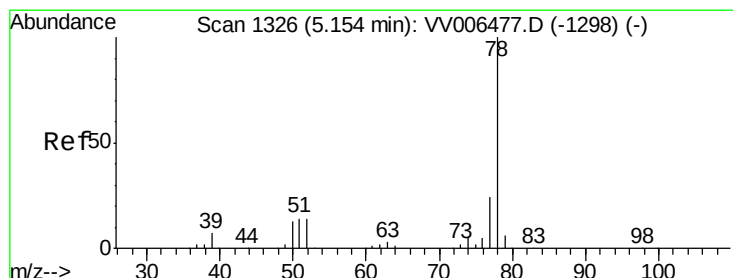
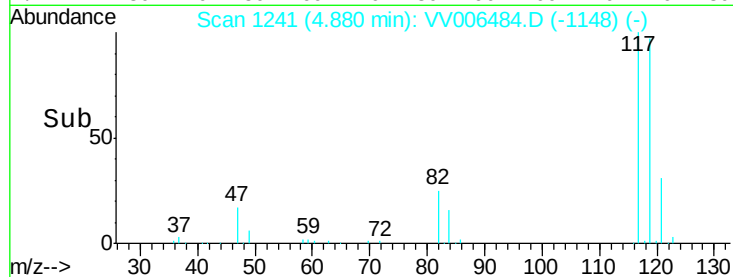
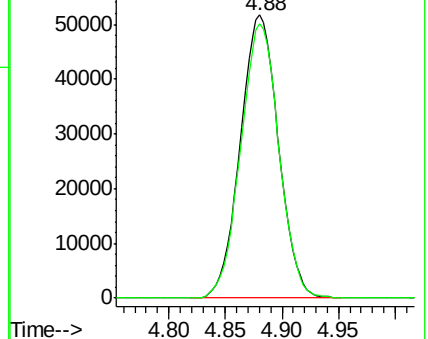
117 100

119 96.8 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.827 ug/L

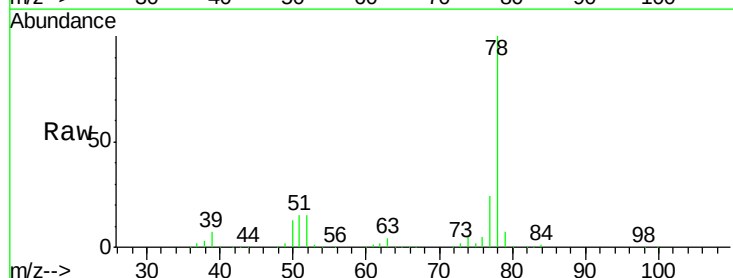
RT: 5.15 min Scan# 1326

Delta R.T. -0.00 min

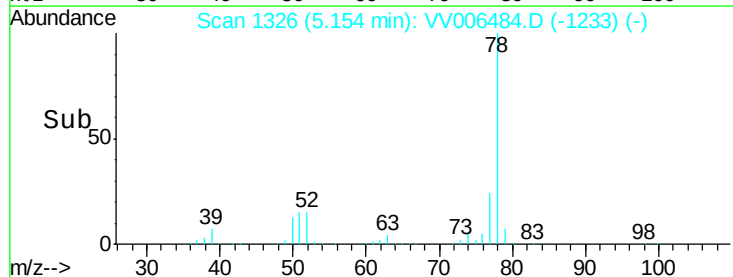
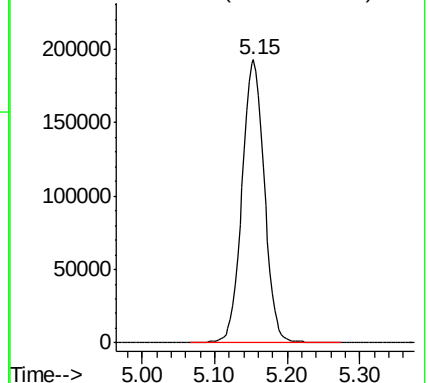
Lab File: VV006484.D

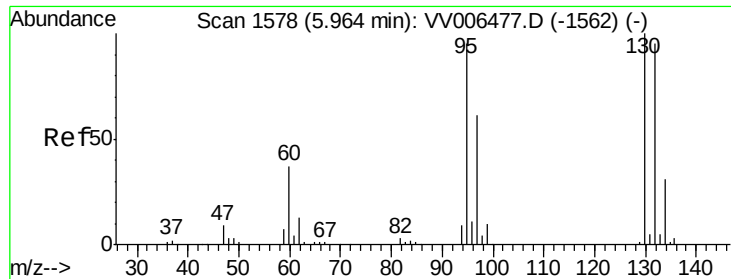
Acq: 27 Jun 2018 17:34

Tgt Ion: 78 Resp: 413496



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.673 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

Tgt Ion: 95 Resp: 114516

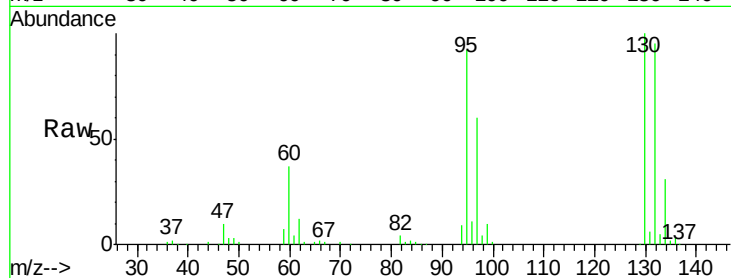
Ion Ratio Lower Upper

95 100

97 65.4 44.6 82.8

132 103.6 70.1 130.1

130 109.1 73.3 136.1



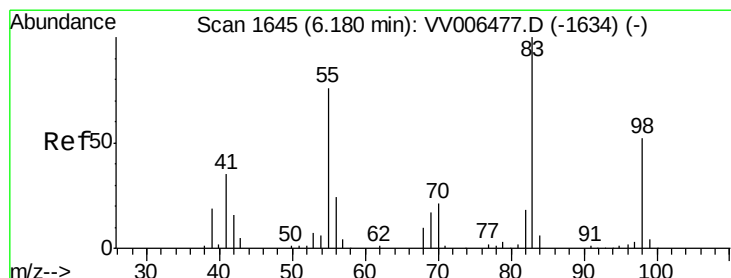
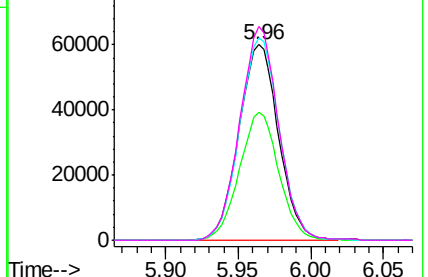
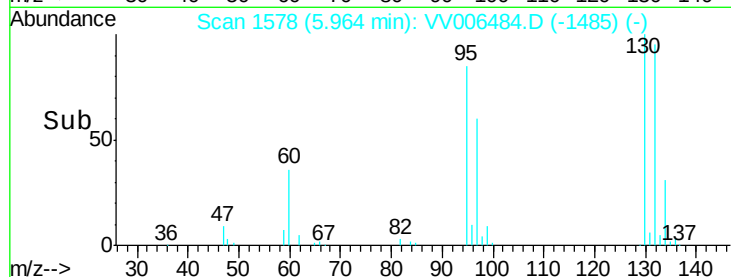
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->



#35

Methylcyclohexane

Concen: 4.903 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

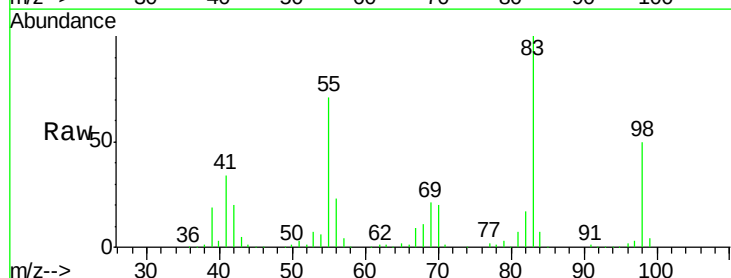
Tgt Ion: 83 Resp: 174735

Ion Ratio Lower Upper

83 100

55 71.8 57.5 86.3

98 50.1 39.6 59.4

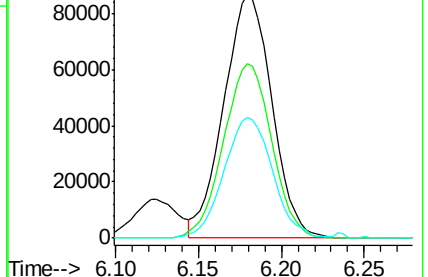
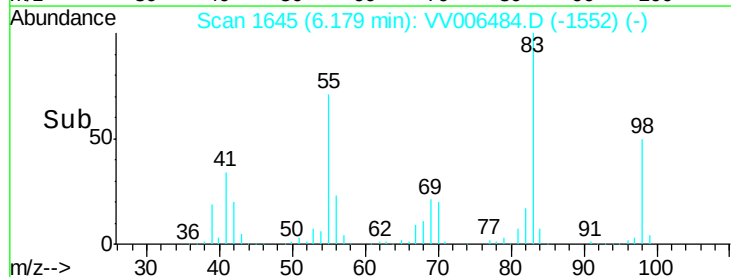


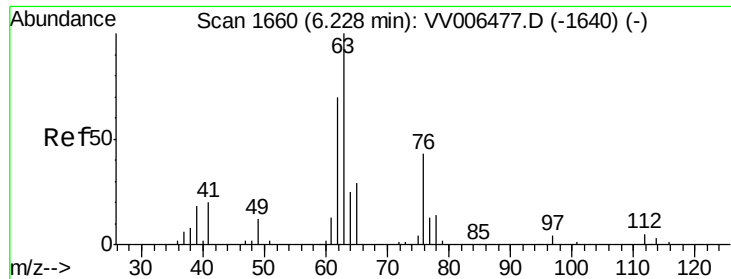
Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

Time-->

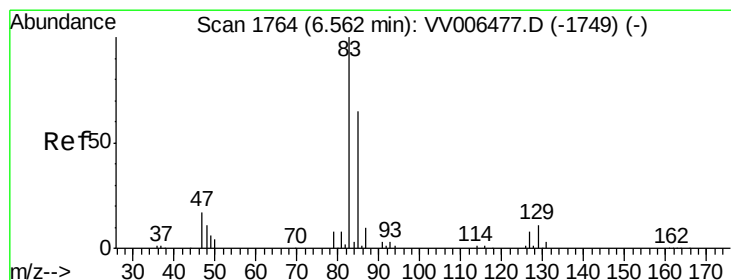
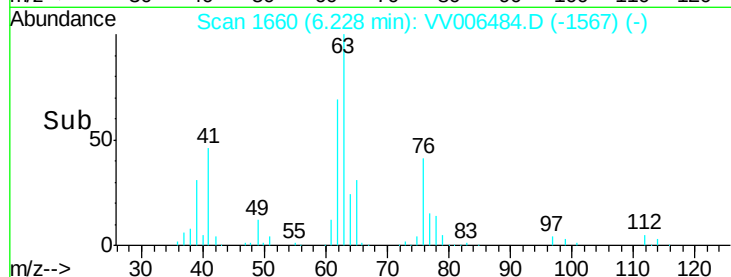
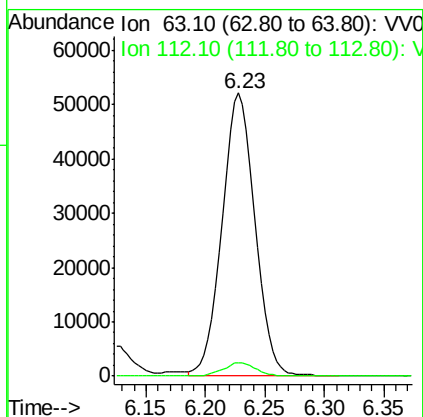
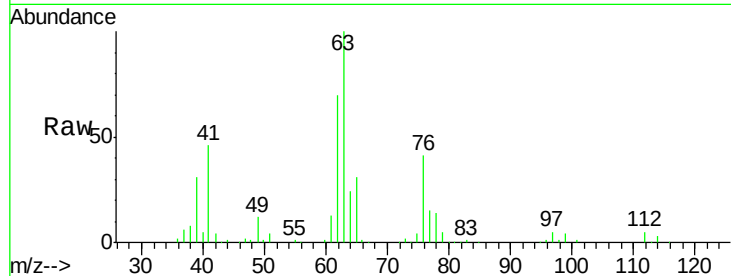




#37
 1,2-Dichloropropane
 Concen: 4.784 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

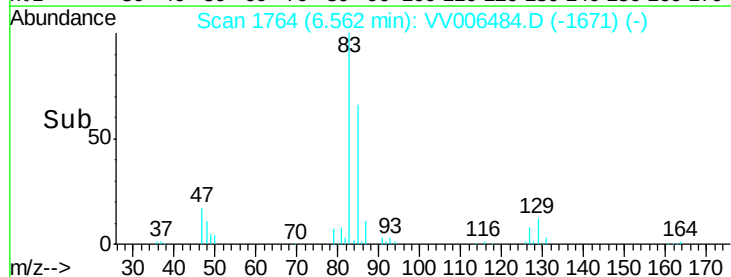
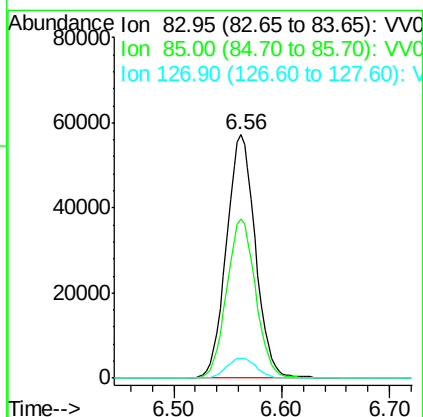
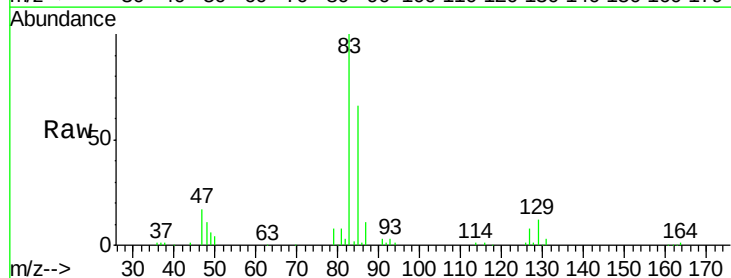
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

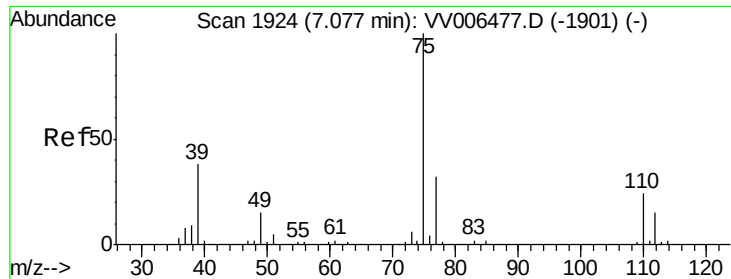
Tgt Ion: 63 Resp: 100160
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.0 6.0



#38
 Bromodichloromethane
 Concen: 4.430 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Tgt Ion: 83 Resp: 106760
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.1 83.9
 127 8.3 6.6 9.8

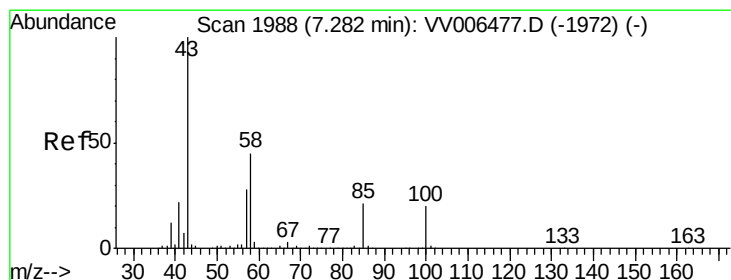
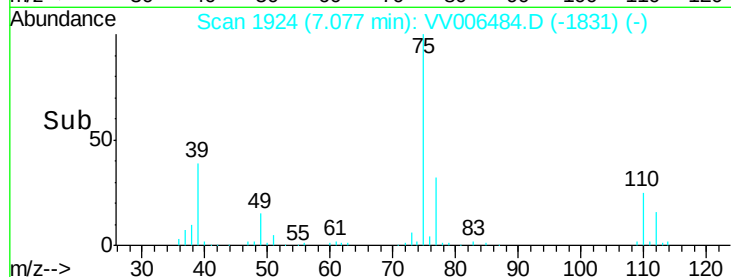
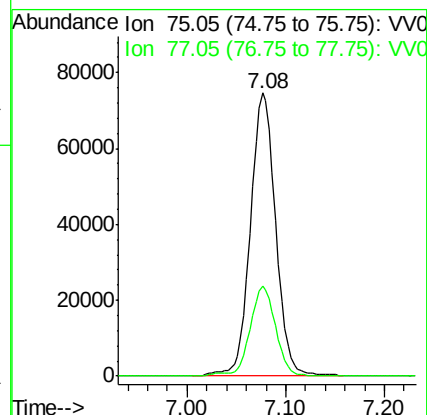
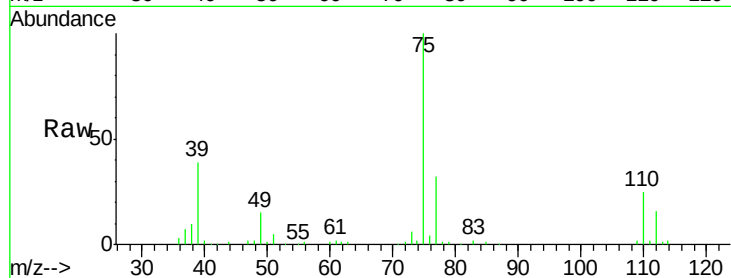




#39
 cis-1,3-Dichloropropene
 Concen: 4.530 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

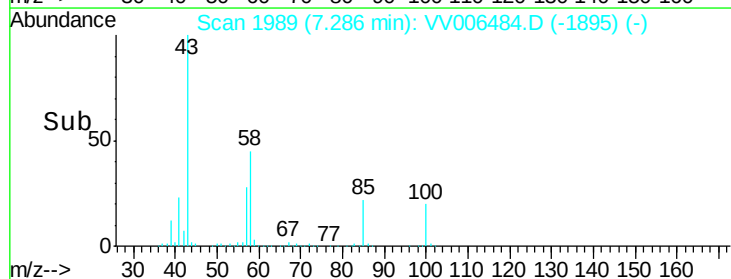
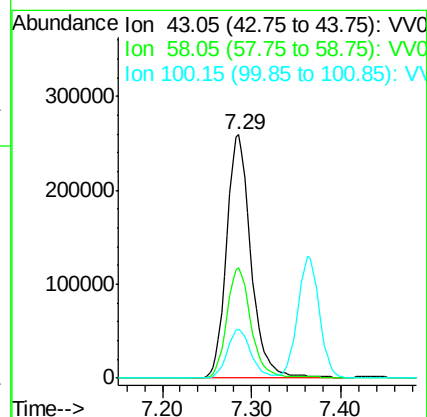
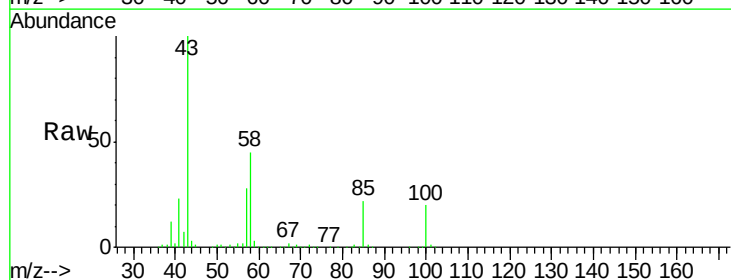
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

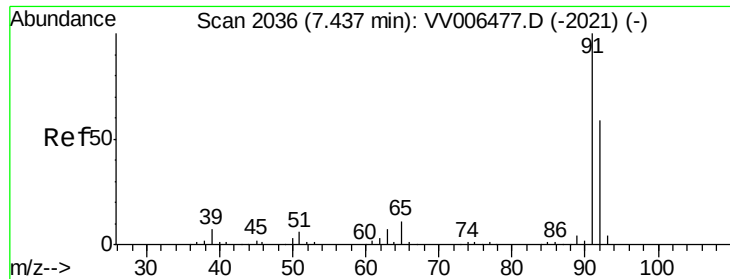
Tgt Ion: 75 Resp: 131983
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 48.239 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Tgt Ion: 43 Resp: 491427
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.4 53.2
 100 19.4 15.5 23.3





#42

Toluene

Concen: 4.888 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

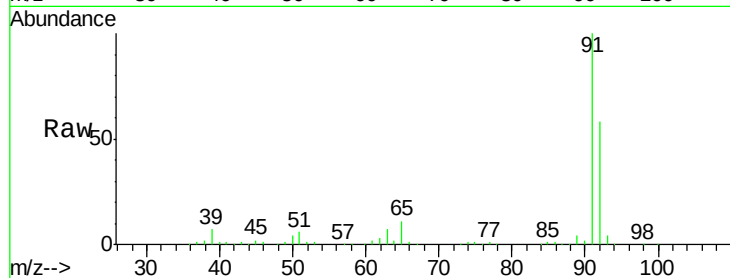
VSTD00565

Tgt Ion: 91 Resp: 443476

Ion Ratio Lower Upper

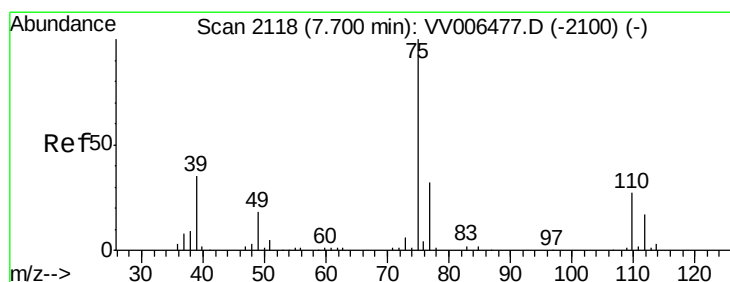
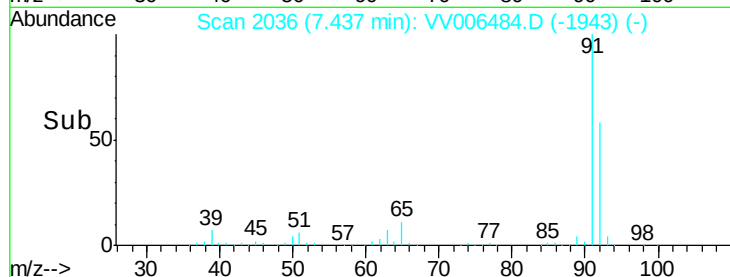
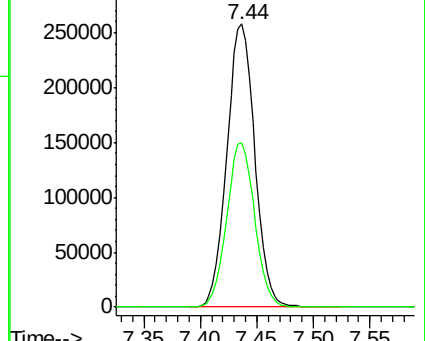
91 100

92 57.9 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.391 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006484.D

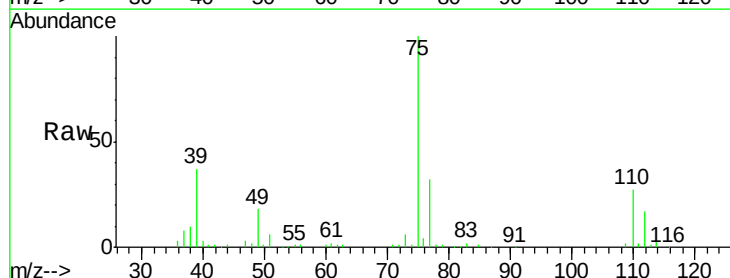
Acq: 27 Jun 2018 17:34

Tgt Ion: 75 Resp: 100345

Ion Ratio Lower Upper

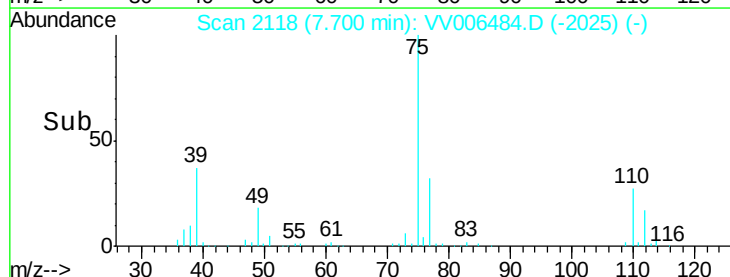
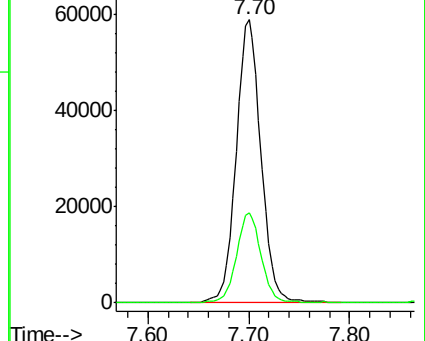
75 100

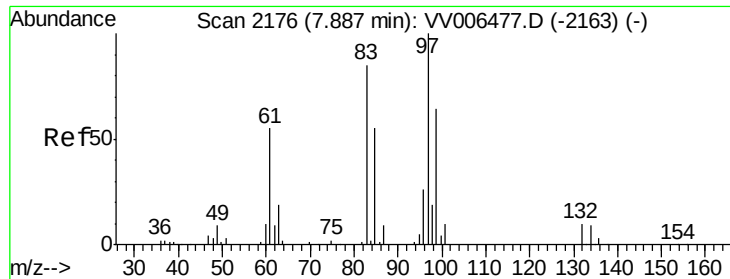
77 31.8 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

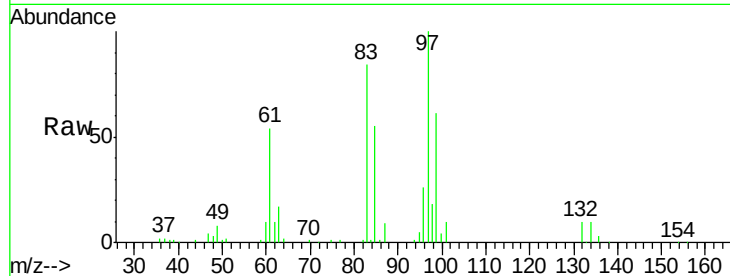




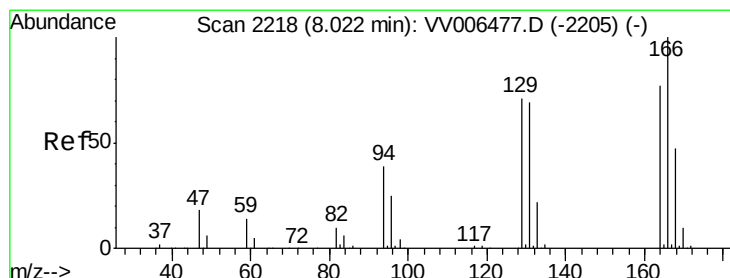
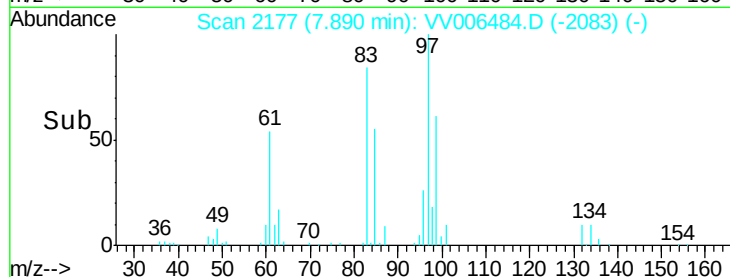
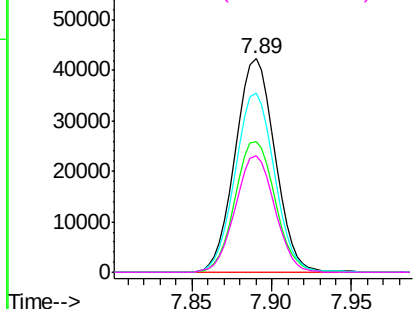
#45
 1,1,2-Trichloroethane
 Concen: 4.962 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion:	97	Resp:	71743
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.2	82.2
83	83.9	59.0	109.6
85	54.6	36.8	68.3

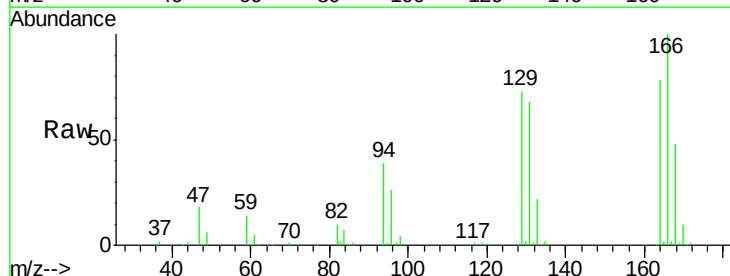


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

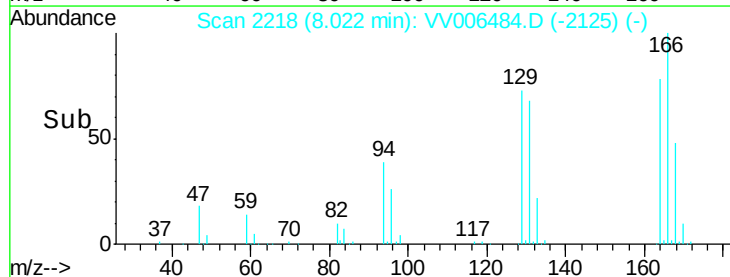
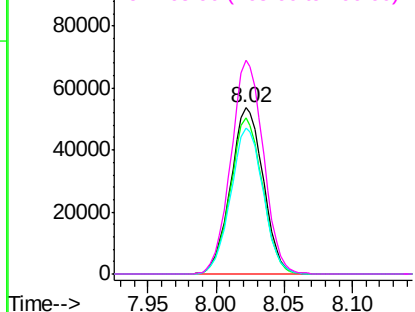


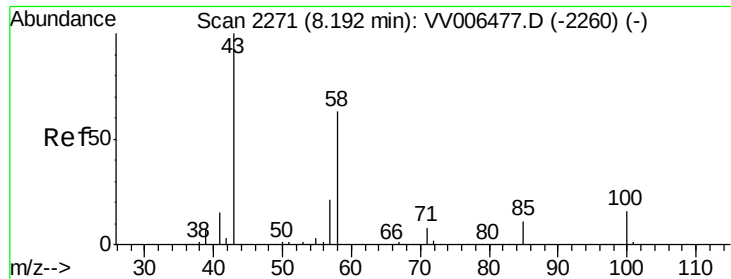
#47
 Tetrachloroethene
 Concen: 4.830 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Tgt Ion:	164	Resp:	89428
Ion	Ratio	Lower	Upper
164	100		
129	93.7	64.0	118.8
131	87.8	61.7	114.5
166	128.4	89.0	165.2



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

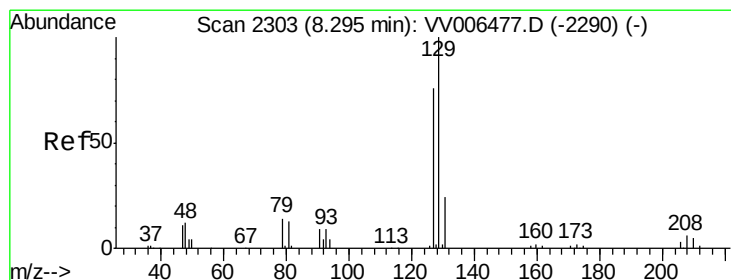
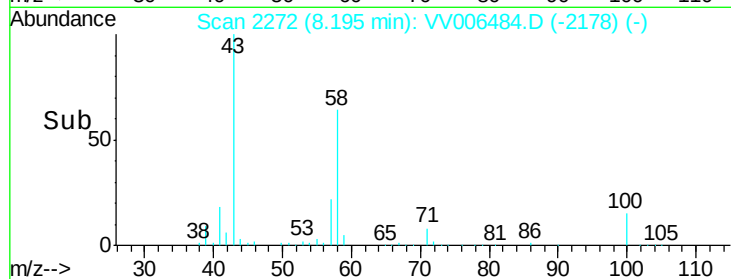
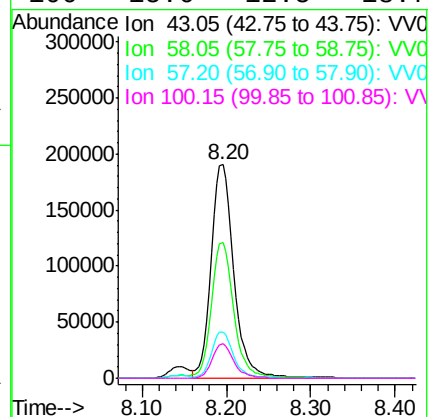
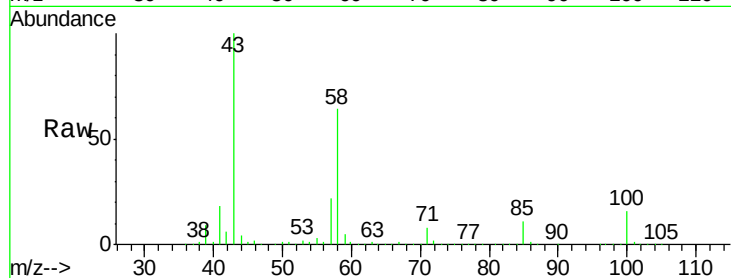




#48
2-Hexanone
Concen: 48.518 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006484.D
Acq: 27 Jun 2018 17:34

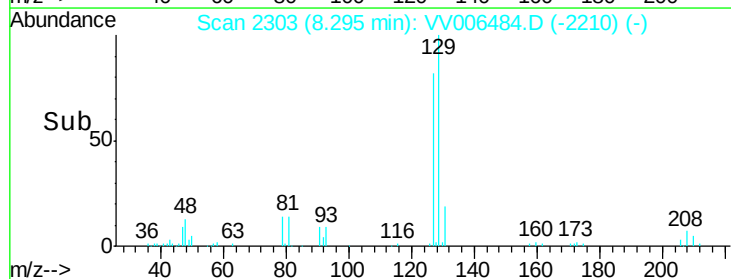
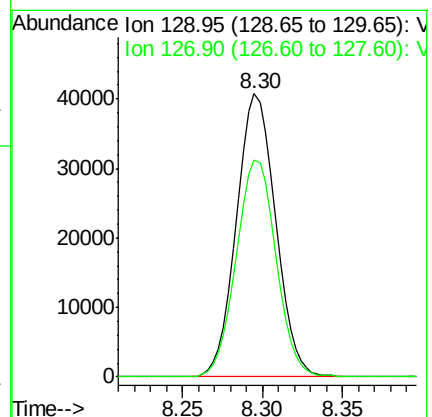
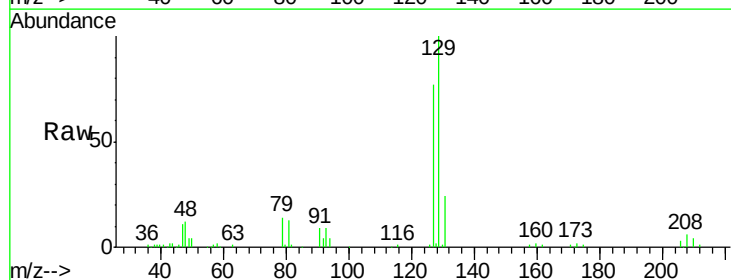
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

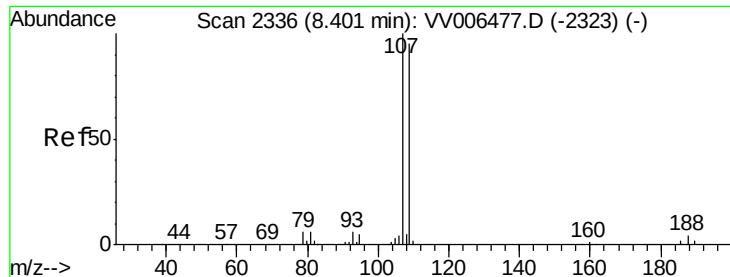
Tgt Ion: 43 Resp: 355592
Ion Ratio Lower Upper
43 100
58 62.9 49.9 74.9
57 21.0 17.3 25.9
100 15.6 12.5 18.7



#49
Dibromochloromethane
Concen: 4.409 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006484.D
Acq: 27 Jun 2018 17:34

Tgt Ion: 129 Resp: 67968
Ion Ratio Lower Upper
129 100
127 76.6 54.0 100.2

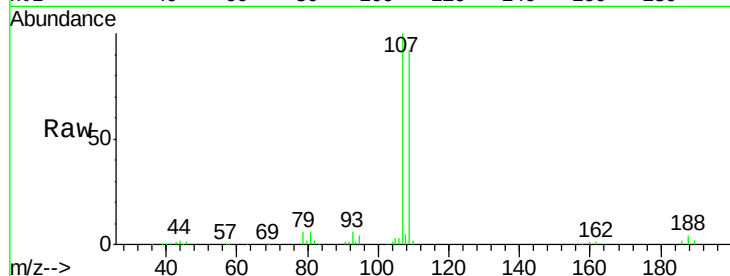




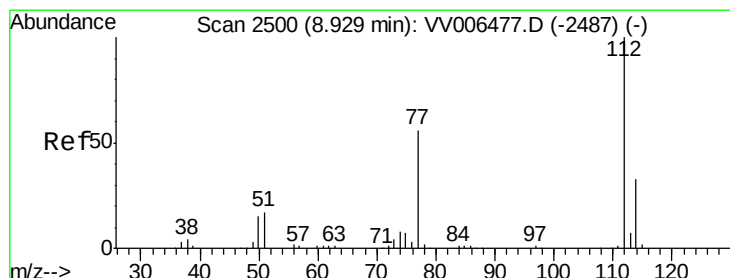
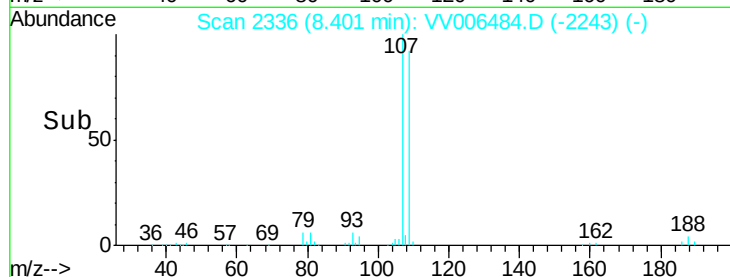
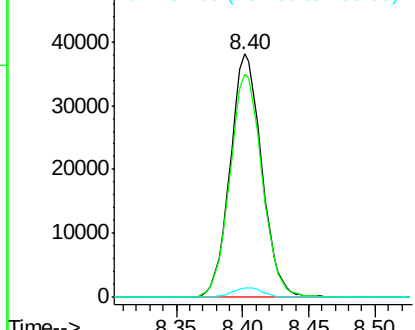
#50
1,2-Dibromoethane
Concen: 4.859 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006484.D
Acq: 27 Jun 2018 17:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion:107 Resp: 63163
Ion Ratio Lower Upper
107 100
109 91.8 64.3 119.5
188 3.7 3.0 4.6

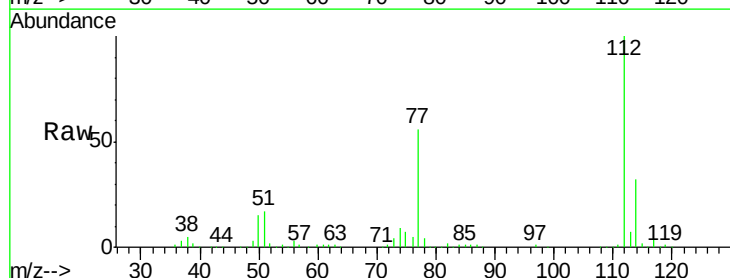


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

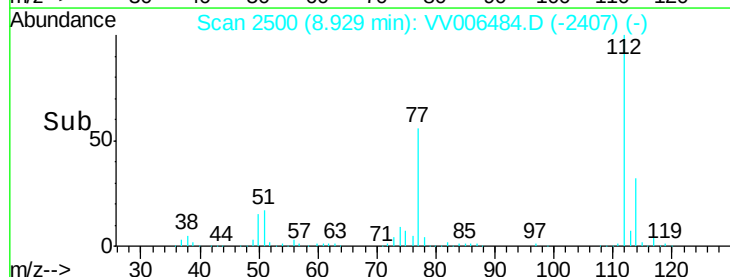
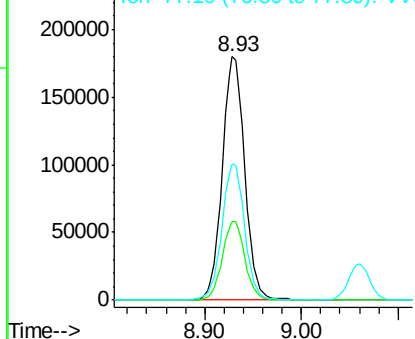


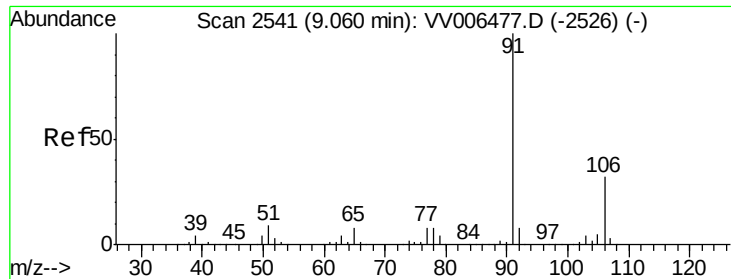
#51
Chlorobenzene
Concen: 4.829 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006484.D
Acq: 27 Jun 2018 17:34

Tgt Ion:112 Resp: 289921
Ion Ratio Lower Upper
112 100
114 32.3 22.8 42.4
77 56.1 44.6 66.8



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: 4.914 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

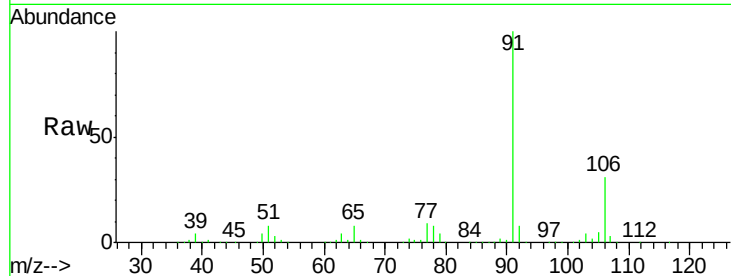
VSTD00565

Tgt Ion: 91 Resp: 482678

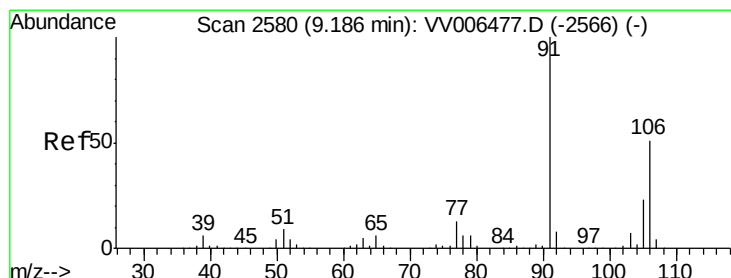
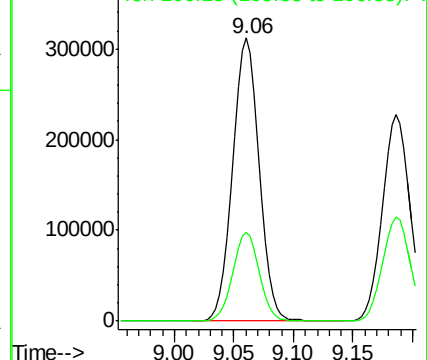
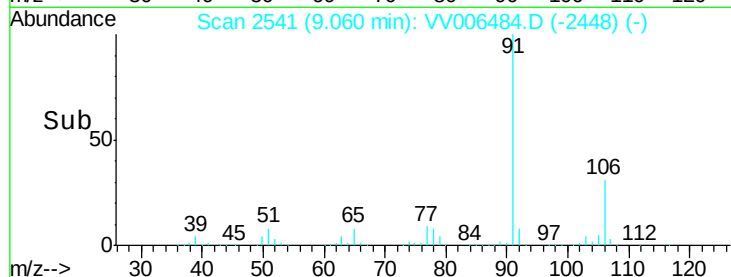
Ion Ratio Lower Upper

91 100

106 31.5 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006484.D (-2448) (-)



#53

m,p-xylene

Concen: 4.913 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006484.D

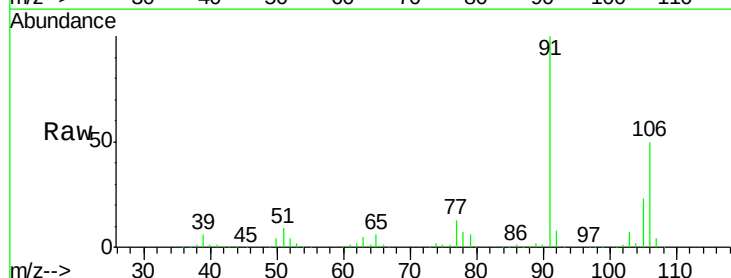
Acq: 27 Jun 2018 17:34

Tgt Ion: 106 Resp: 186105

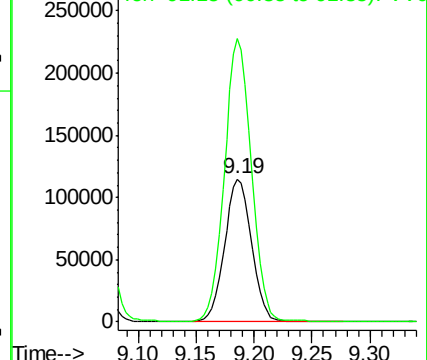
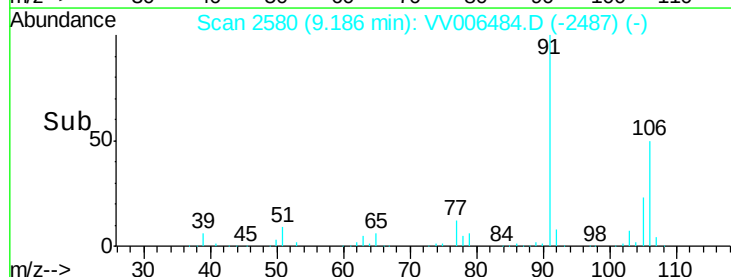
Ion Ratio Lower Upper

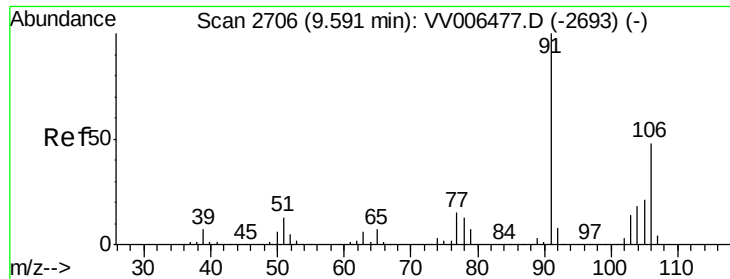
106 100

91 198.3 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006484.D (-2487) (-)





#54

o-xylene

Concen: 4.897 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

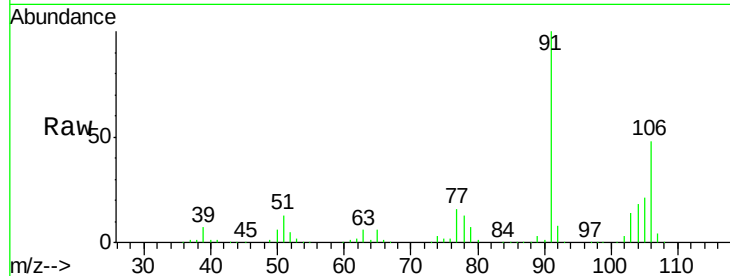
VSTD00565

Tgt Ion:106 Resp: 181980

Ion Ratio Lower Upper

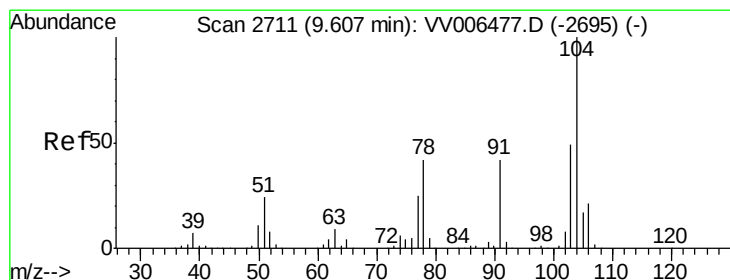
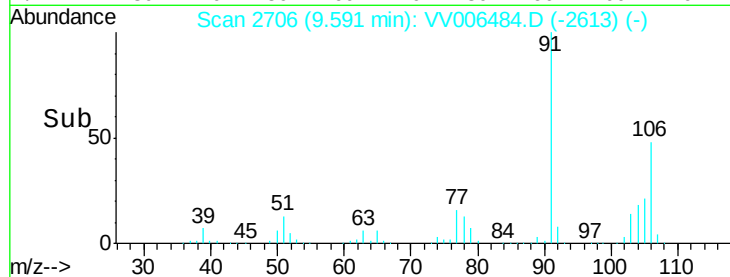
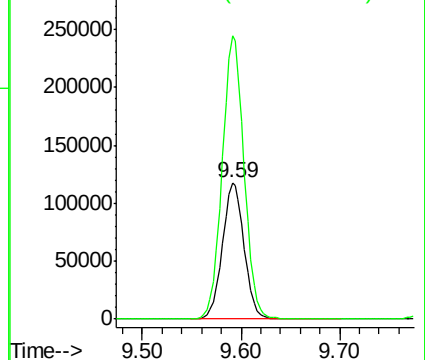
106 100

91 207.2 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.009 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006484.D

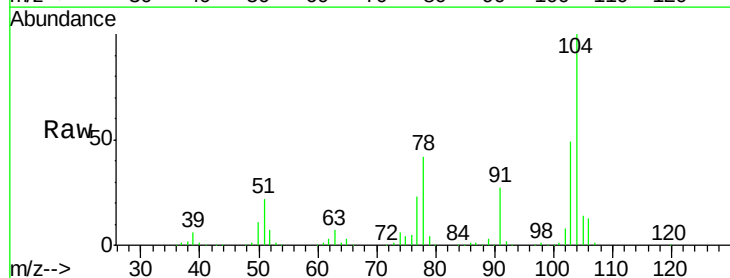
Acq: 27 Jun 2018 17:34

Tgt Ion:104 Resp: 304562

Ion Ratio Lower Upper

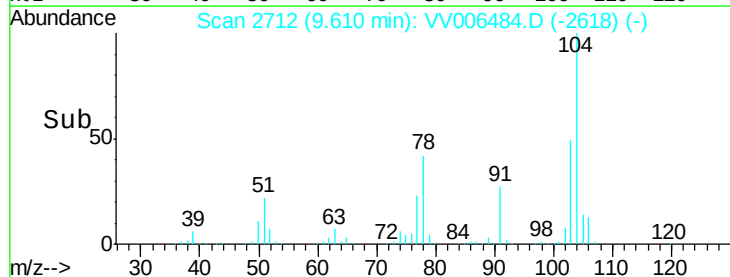
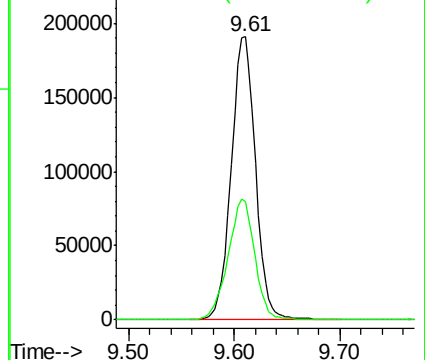
104 100

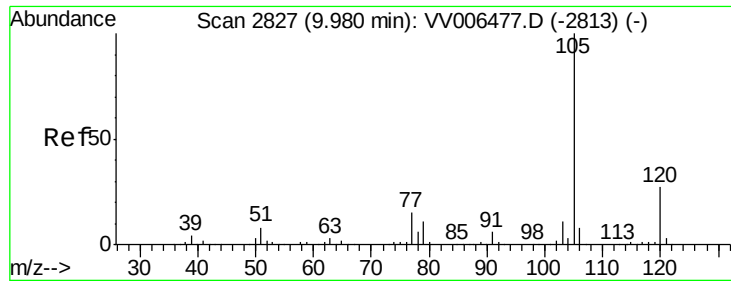
78 41.8 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.928 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

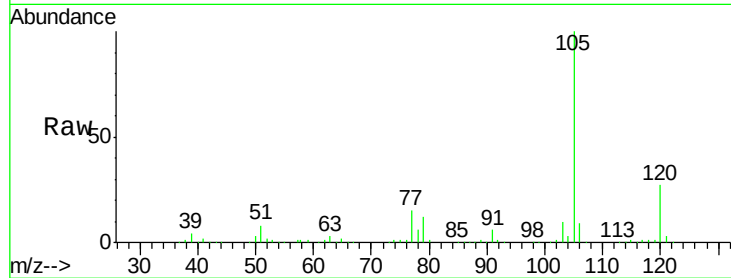
Tgt Ion: 105 Resp: 477184

Ion Ratio Lower Upper

105 100

120 27.4 21.7 32.5

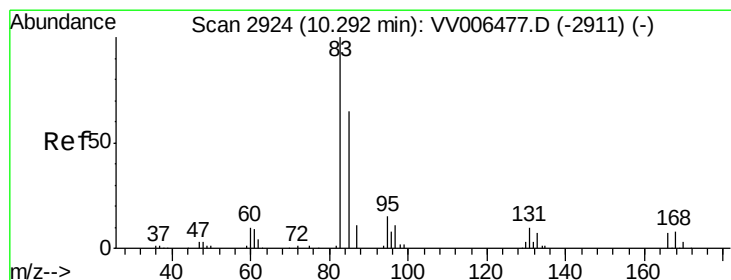
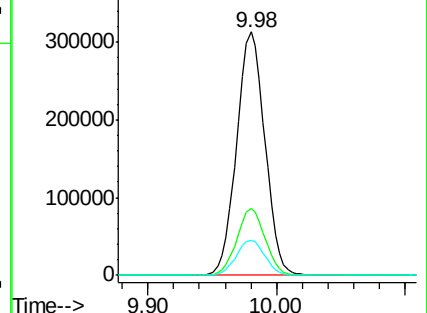
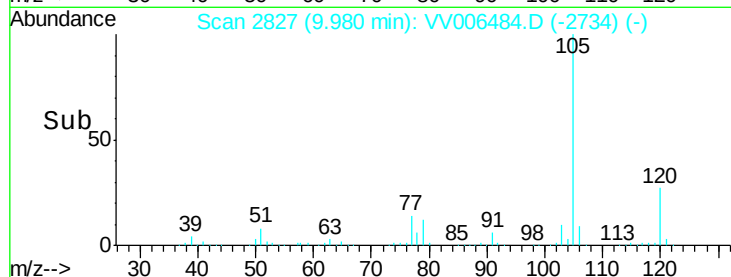
77 14.7 11.8 17.8



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: 4.590 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

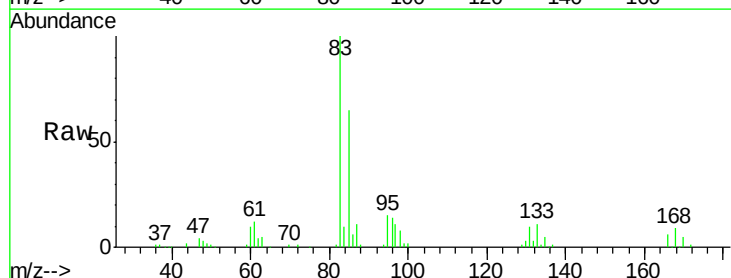
Tgt Ion: 83 Resp: 62587

Ion Ratio Lower Upper

83 100

85 64.7 44.8 83.2

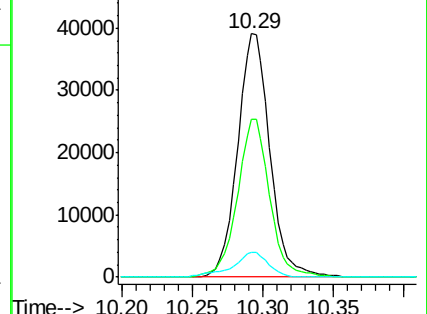
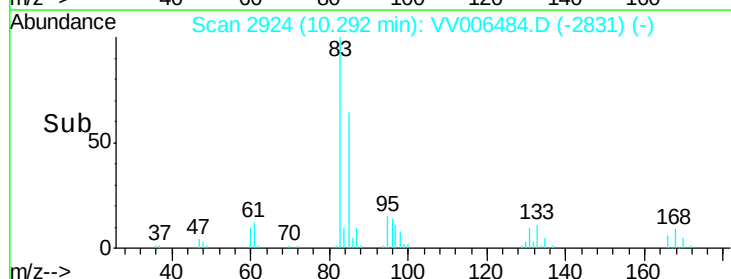
131 10.4 7.9 11.9

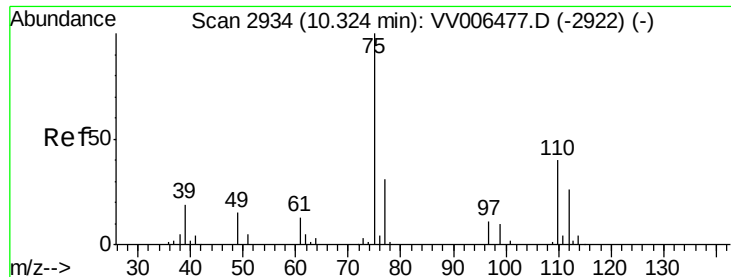


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

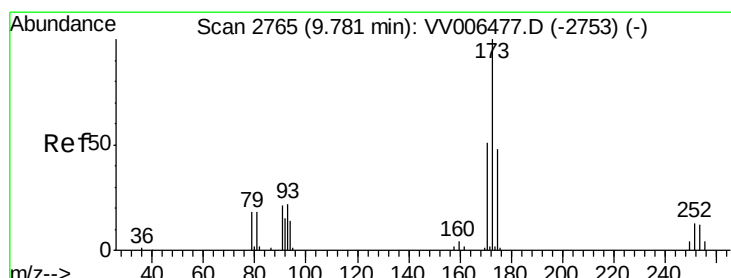
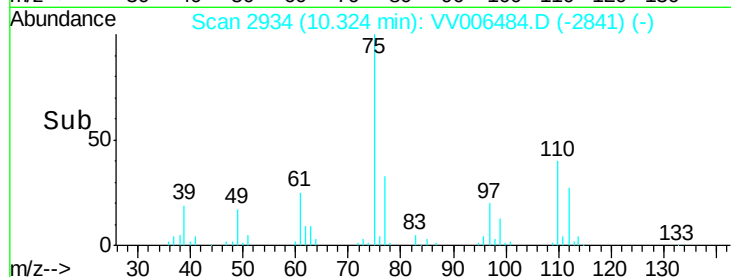
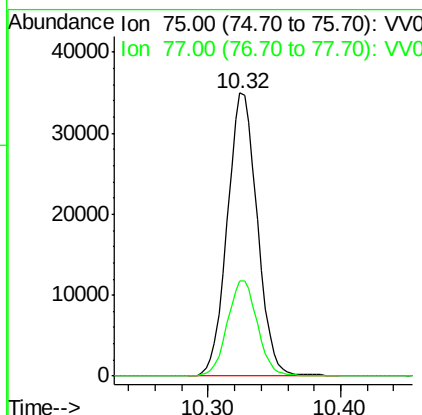
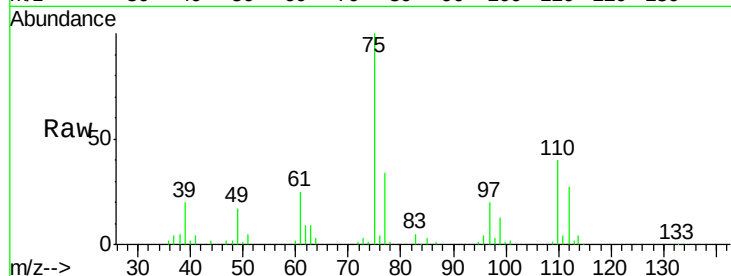




#59
 1,2,3-Trichloropropane
 Concen: 4.815 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

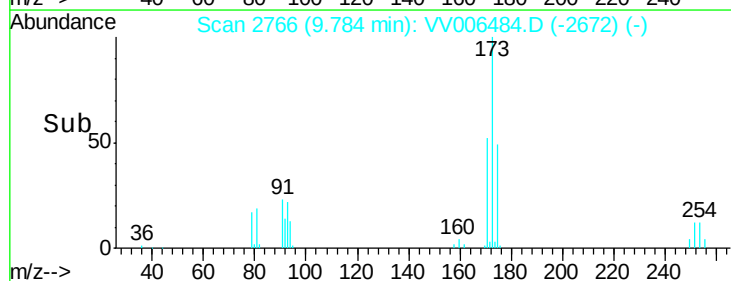
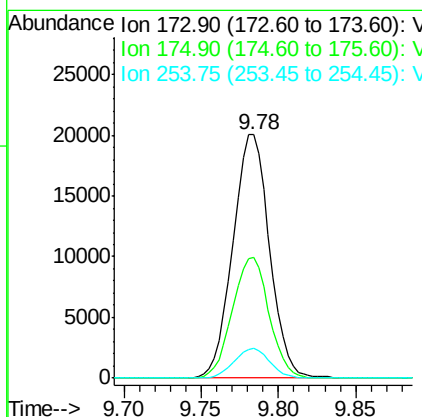
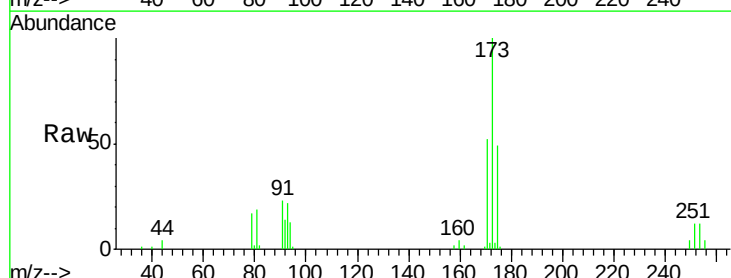
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

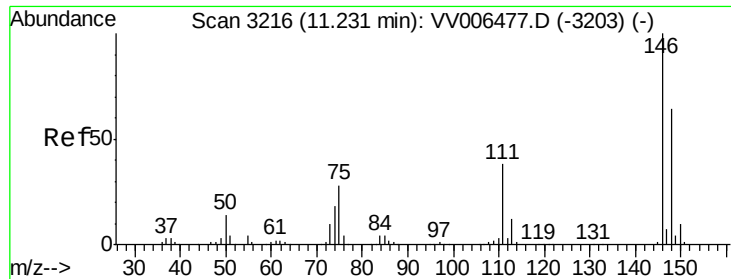
Tgt Ion: 75 Resp: 54832
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.7 38.5



#61
 Bromoform
 Concen: 4.159 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Tgt Ion: 173 Resp: 32937
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.8 58.2
 254 11.8 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 4.754 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

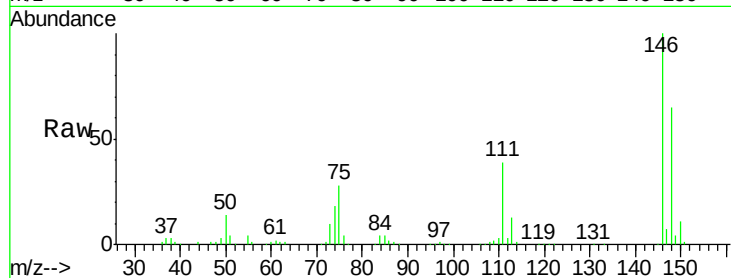
Tgt Ion:146 Resp: 220985

Ion Ratio Lower Upper

146 100

111 39.4 27.4 51.0

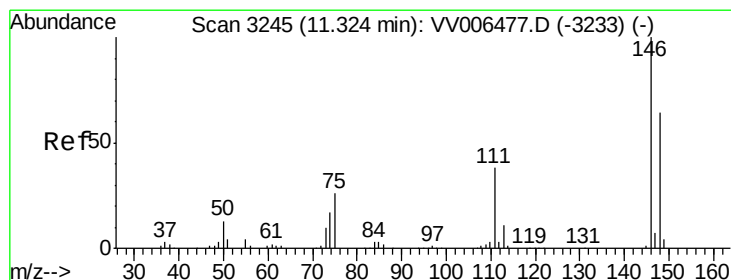
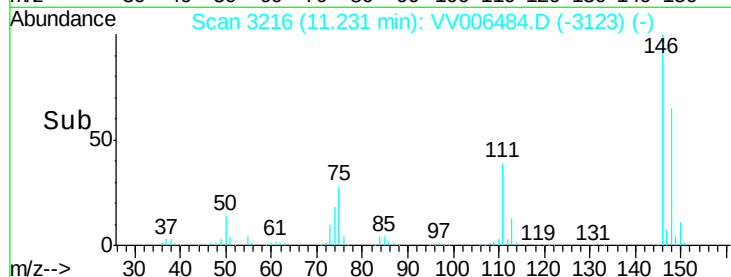
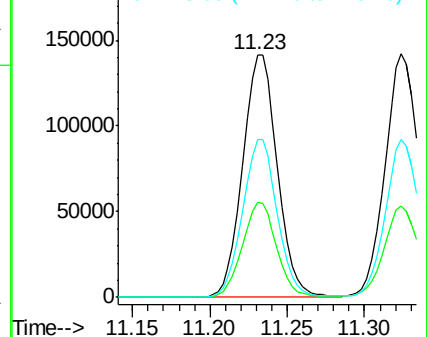
148 65.0 44.1 81.9



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



#63

1,4-Dichlorobenzene

Concen: 4.762 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

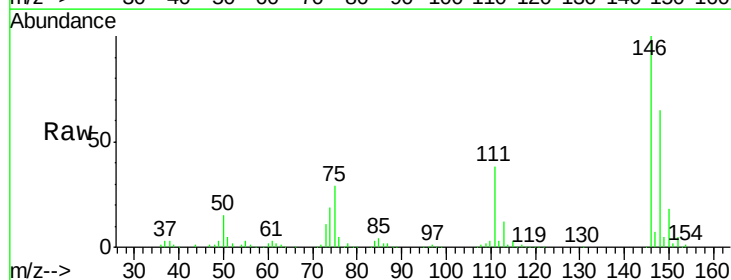
Tgt Ion:146 Resp: 221423

Ion Ratio Lower Upper

146 100

111 37.5 26.3 48.9

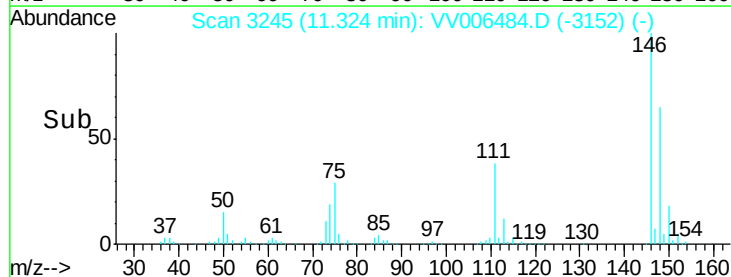
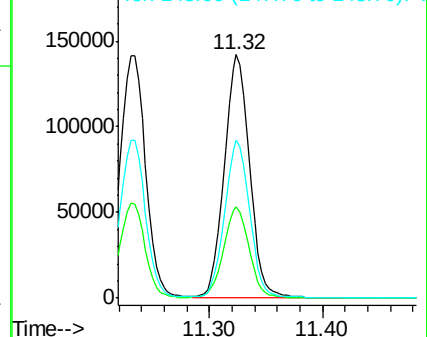
148 65.0 44.0 81.6

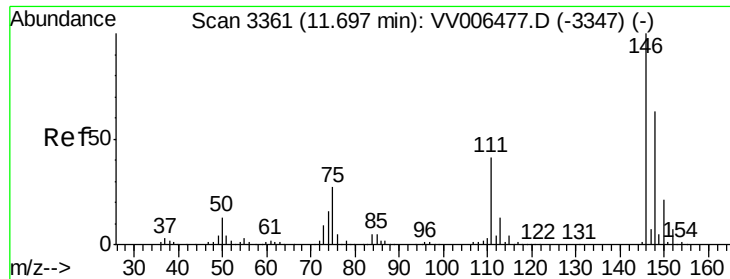


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

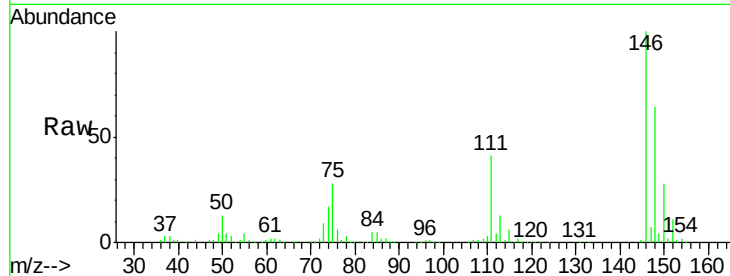




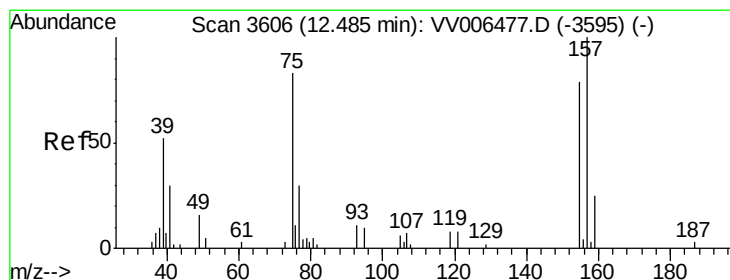
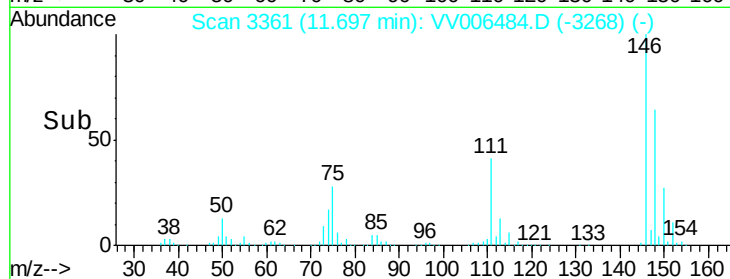
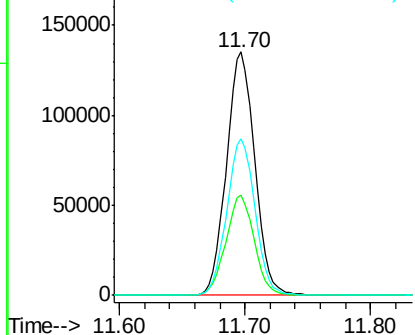
#65
 1,2-Dichlorobenzene
 Concen: 4.863 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion: 146 Resp: 211584
 Ion Ratio Lower Upper
 146 100
 111 41.2 32.0 48.0
 148 64.5 50.8 76.2

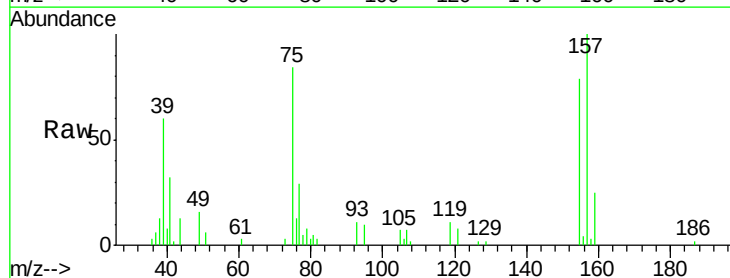


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

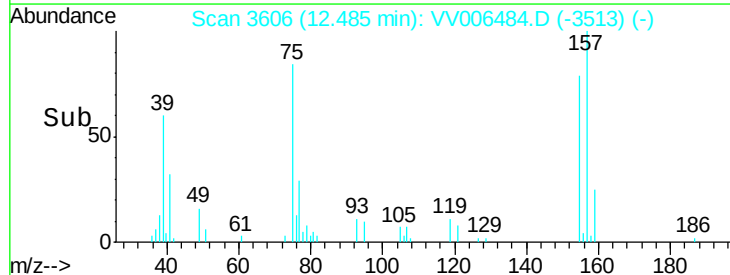
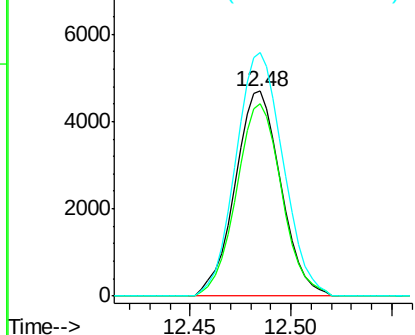


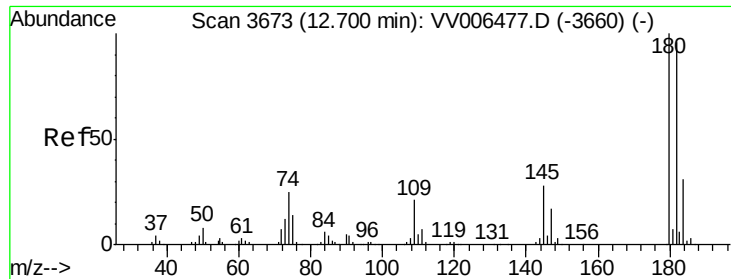
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.038 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Tgt Ion: 75 Resp: 7465
 Ion Ratio Lower Upper
 75 100
 155 93.8 73.9 110.9
 157 118.9 92.9 139.3



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

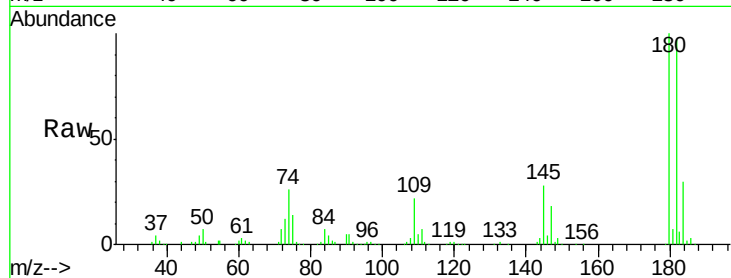




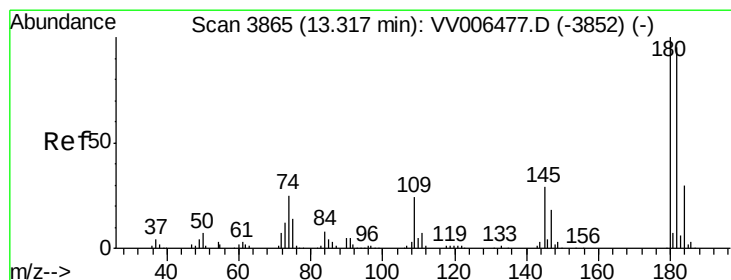
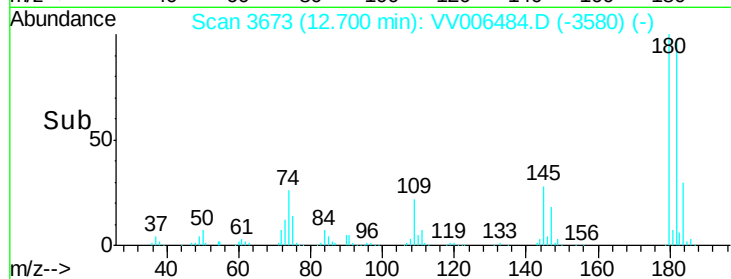
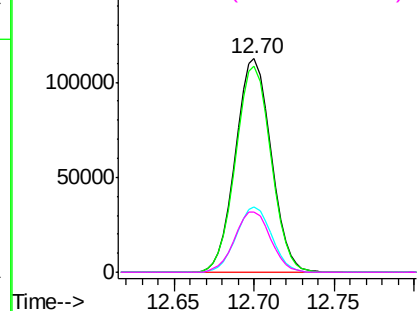
#67
 1,3,5-Trichlorobenzene
 Concen: 4.824 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion:180 Resp: 170390
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.6 115.0
 184 30.3 24.5 36.7
 145 28.5 22.6 34.0

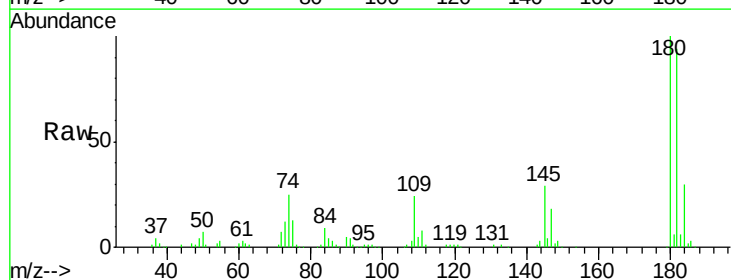


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

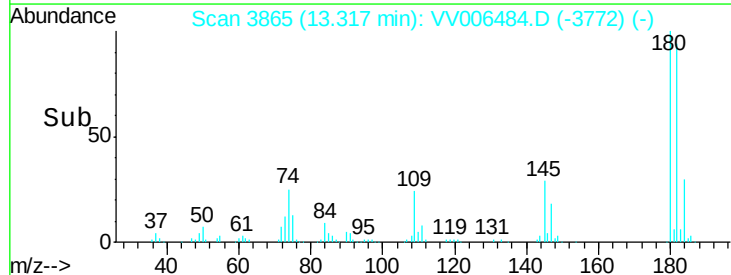
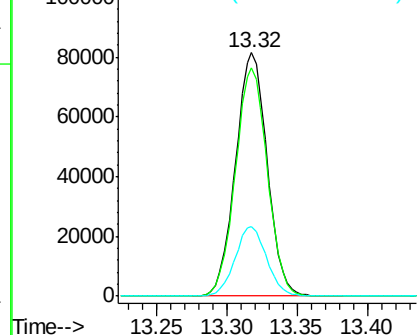


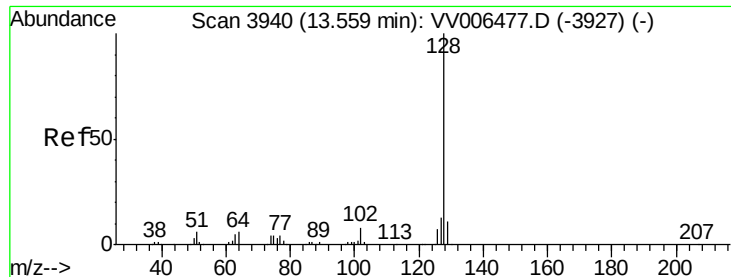
#68
 1,2,4-trichlorobenzene
 Concen: 4.930 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006484.D
 Acq: 27 Jun 2018 17:34

Tgt Ion:180 Resp: 127701
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.7 115.1
 145 28.6 23.0 34.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.658 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

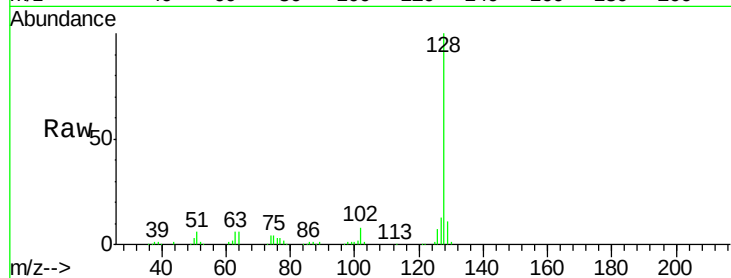
Tgt Ion:128 Resp: 176362

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

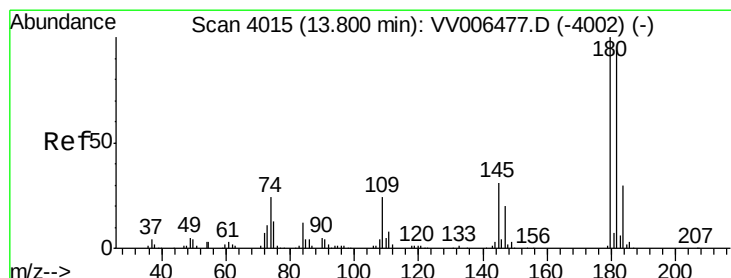
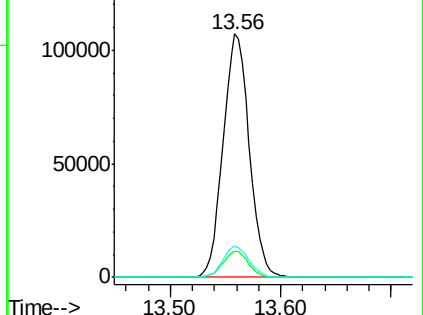
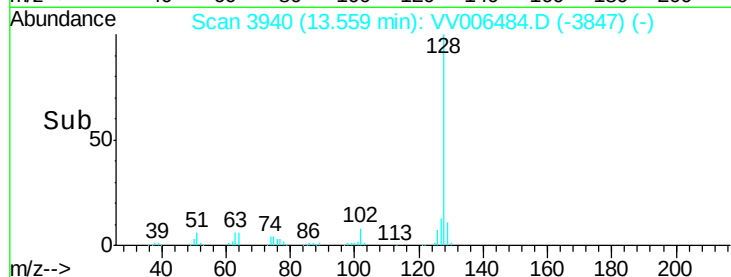
127 12.6 10.2 15.4



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: 4.912 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006484.D

Acq: 27 Jun 2018 17:34

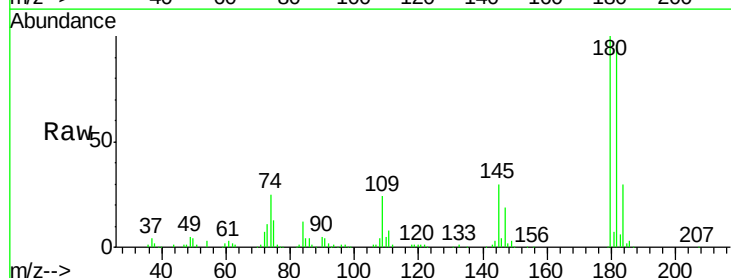
Tgt Ion:180 Resp: 118439

Ion Ratio Lower Upper

180 100

182 96.0 76.0 114.0

145 30.8 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

