

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062618\
 Data File : VV006475.D
 Acq On : 26 Jun 2018 18:49
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Jun 27 02:24:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 27 02:22:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	325568	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	298604	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	144045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83338	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.58	69	66063	3.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.60%
11) 1,1-Dichloroethene-d2	2.14	63	156206	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	3.96	46	195331	48.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	4.41	84	158941	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.09	65	75505	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.11	84	325929	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.12	67	100291	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	7.37	98	304479	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	7.67	79	32176	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	8.14	63	164983	48.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.60%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	65103	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	115480	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	116069	4.865 ug/L	99
3) Chloromethane	1.26	50	114106	4.665 ug/L	99
5) Vinyl chloride	1.32	62	126200	4.749 ug/L	98
6) Bromomethane	1.54	94	72741	4.726 ug/L	99
8) Chloroethane	1.60	64	74067	4.395 ug/L	99
9) Trichlorofluoromethane	1.77	101	158194	4.953 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	102108	5.089 ug/L	100
12) 1,1-Dichloroethene	2.15	96	93887	4.769 ug/L	85
13) Acetone	2.21	43	129761	52.776 ug/L	99
14) Carbon disulfide	2.32	76	218108	3.923 ug/L	100
15) Methyl Acetate	2.47	43	37616	5.196 ug/L	97
16) Methylene chloride	2.54	84	104948	4.551 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	229724	4.814 ug/L	100
18) trans-1,2-Dichloroethene	2.80	96	103538	4.803 ug/L	99
19) 1,1-Dichloroethane	3.23	63	181736	4.734 ug/L	99
21) 2-Butanone	4.05	43	215391	48.474 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	112881	4.762 ug/L	97

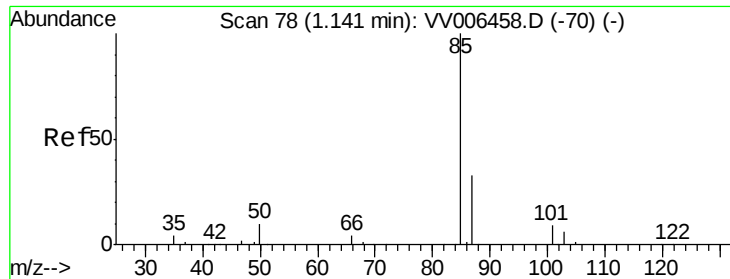
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062618\
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 QLast Update : Wed Jun 27 02:22:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	45448	4.719	ug/L	94
25) Chloroform	4.44	83	183785	4.750	ug/L	100
27) 1,2-Dichloroethane	5.19	62	104727	4.817	ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	148254	4.553	ug/L	99
30) Cyclohexane	4.73	56	152561	4.688	ug/L	99
31) Carbon tetrachloride	4.88	117	122197	4.474	ug/L	99
33) Benzene	5.15	78	422172	4.787	ug/L	100
34) Trichloroethene	5.96	95	115199	4.566	ug/L	98
35) Methylcyclohexane	6.18	83	177465	4.838	ug/L	100
37) 1,2-Dichloropropane	6.23	63	101931	4.730	ug/L	100
38) Bromodichloromethane	6.56	83	107572	4.337	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	136780	4.561	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	508345	48.477	ug/L	100
42) Toluene	7.44	91	448873	4.806	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	103098	4.383	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	72222	4.852	ug/L	99
47) Tetrachloroethene	8.03	164	90850	4.767	ug/L	99
48) 2-Hexanone	8.19	43	370642	49.130	ug/L	100
49) Dibromochloromethane	8.30	129	68931	4.344	ug/L	99
50) 1,2-Dibromoethane	8.40	107	63952	4.780	ug/L	98
51) Chlorobenzene	8.93	112	294821	4.771	ug/L	99
52) Ethylbenzene	9.06	91	483886	4.786	ug/L	100
53) m,p-xylene	9.19	106	189326	4.855	ug/L	100
54) o-xylene	9.59	106	183837	4.806	ug/L	98
55) Styrene	9.61	104	309249	4.941	ug/L	100
56) Isopropylbenzene	9.98	105	482451	4.840	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.30	83	67375	4.800	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	57156	4.876	ug/L	99
61) Bromoform	9.78	173	32776	4.054	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	224380	4.729	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	226882	4.781	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	214276	4.825	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8062	4.272	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	171980	4.770	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	127738	4.832	ug/L	100
69) Naphthalene	13.56	128	179854	4.654	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	119030	4.837	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.865 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

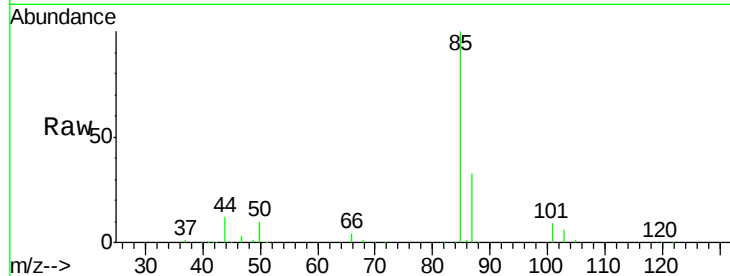
VSTD00563

Tgt Ion: 85 Resp: 116069

Ion Ratio Lower Upper

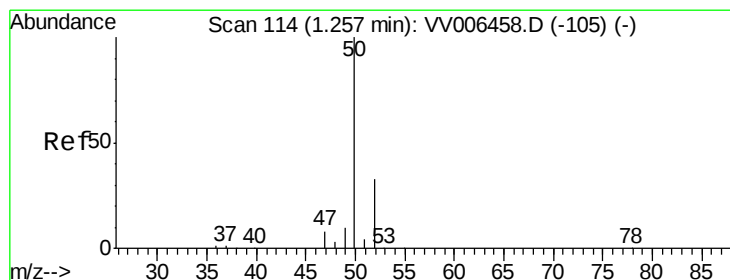
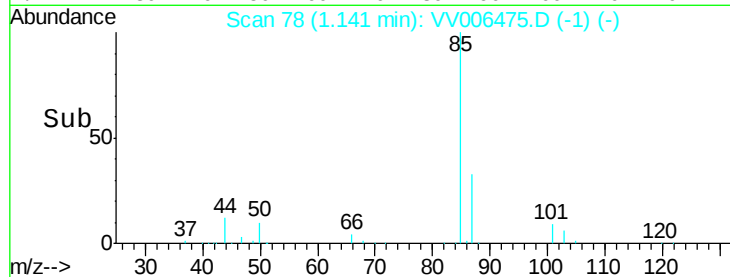
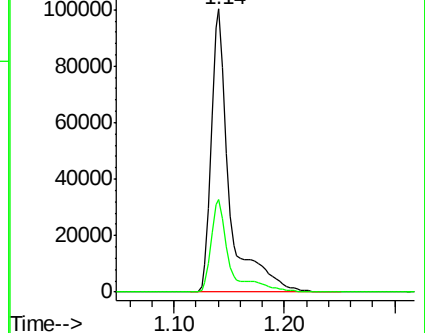
85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.665 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006475.D

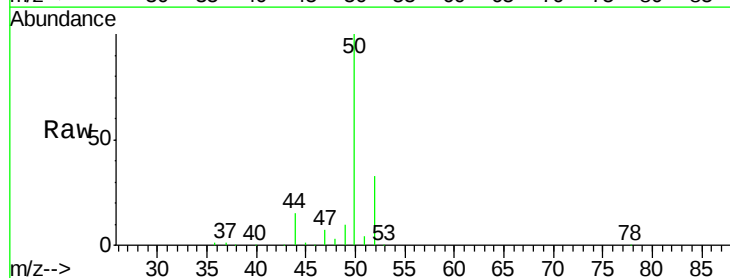
Acq: 26 Jun 2018 18:49

Tgt Ion: 50 Resp: 114106

Ion Ratio Lower Upper

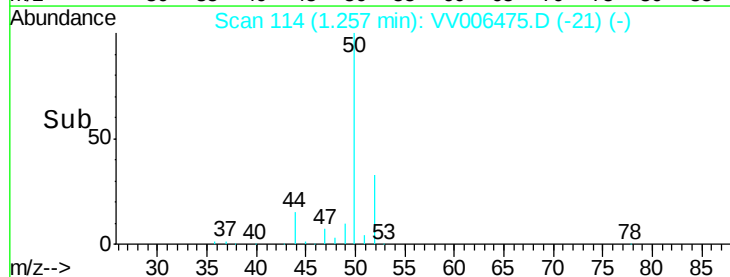
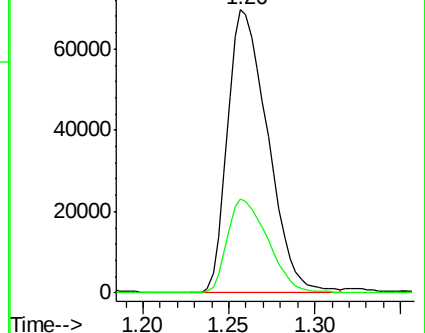
50 100

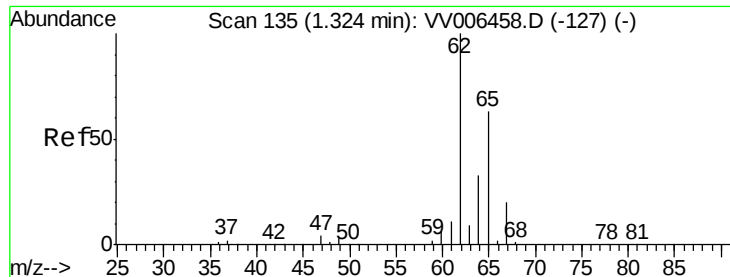
52 33.0 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.749 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampled :

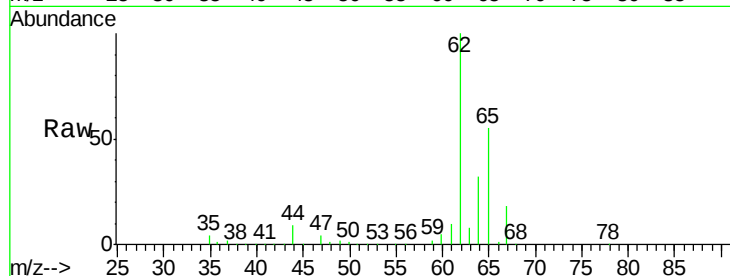
VSTD00563

Tgt Ion: 62 Resp: 126200

Ion Ratio Lower Upper

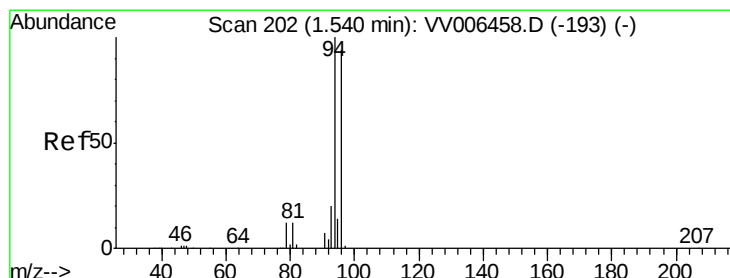
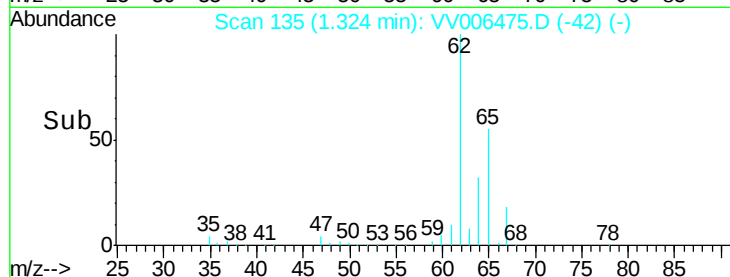
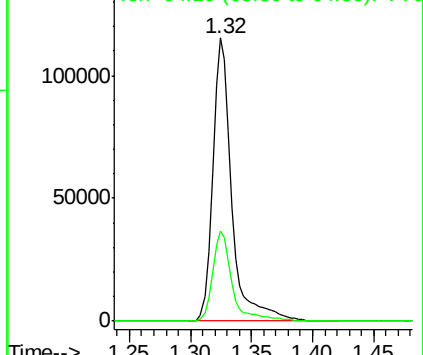
62 100

64 32.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.726 ug/L

RT: 1.54 min Scan# 202

Delta R.T. -0.00 min

Lab File: VV006475.D

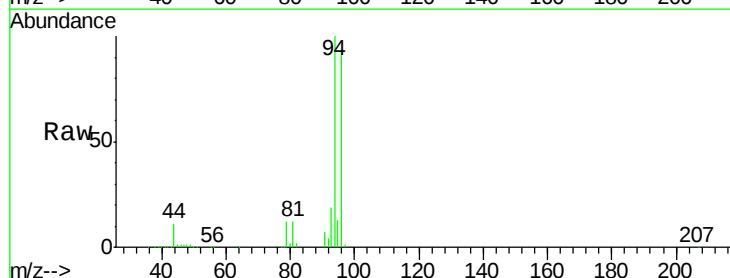
Acq: 26 Jun 2018 18:49

Tgt Ion: 94 Resp: 72741

Ion Ratio Lower Upper

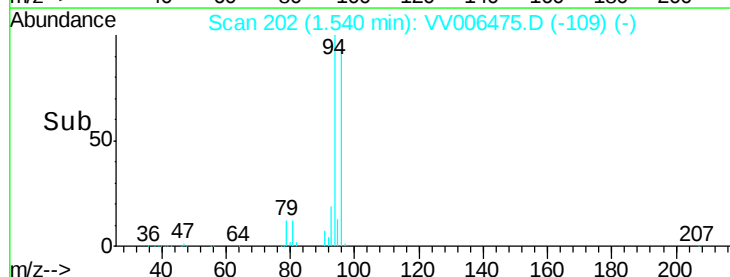
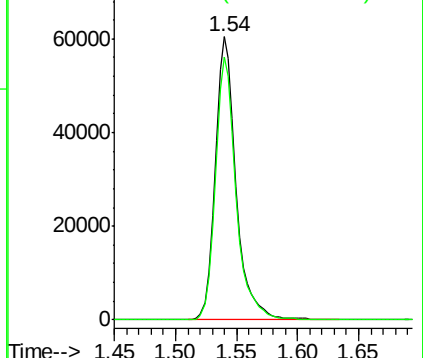
94 100

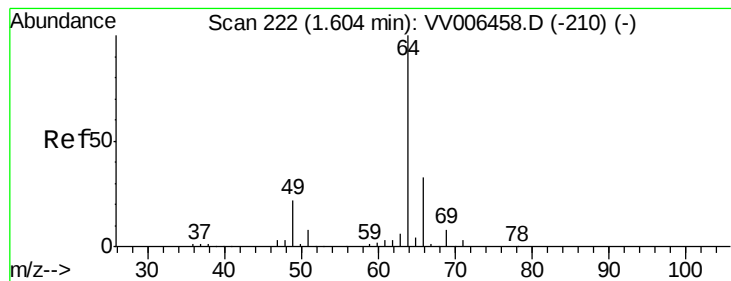
96 93.0 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.395 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

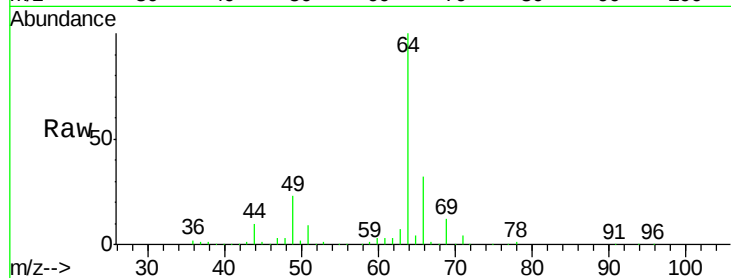
VSTD00563

Tgt Ion: 64 Resp: 74067

Ion Ratio Lower Upper

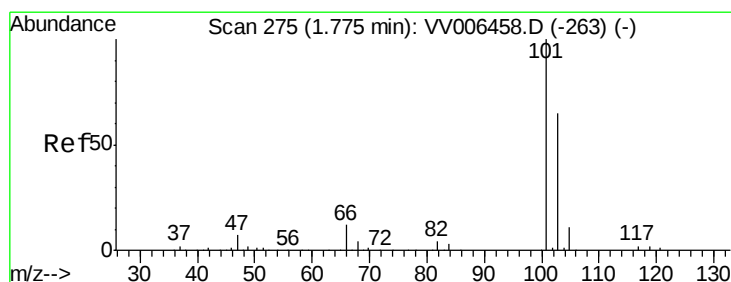
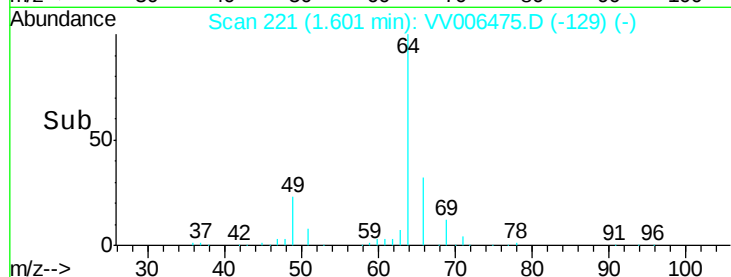
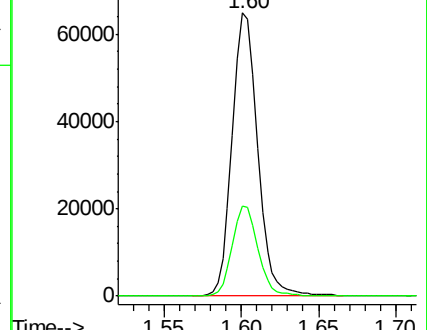
64 100

66 32.0 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV006475.D (-129) (-)

Ion 66.05 (65.75 to 66.75): VV006475.D (-129) (-)



#9

Trichlorofluoromethane

Concen: 4.953 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV006475.D

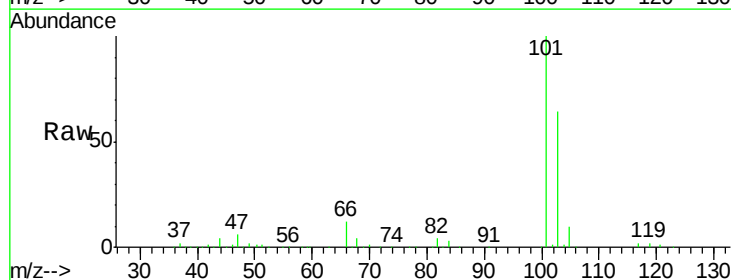
Acq: 26 Jun 2018 18:49

Tgt Ion: 101 Resp: 158194

Ion Ratio Lower Upper

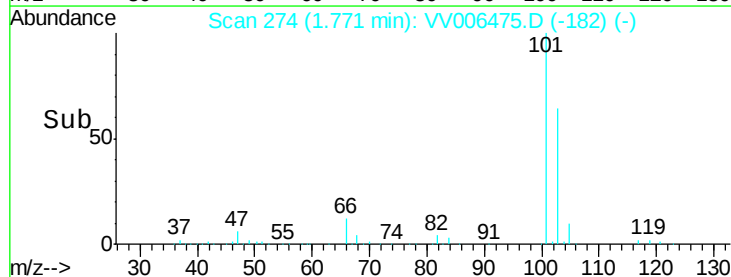
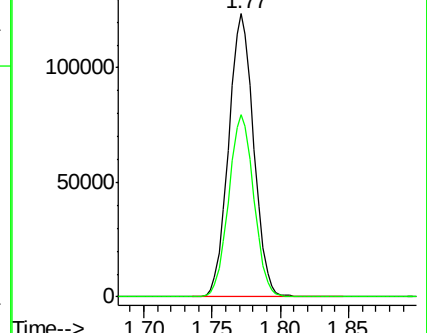
101 100

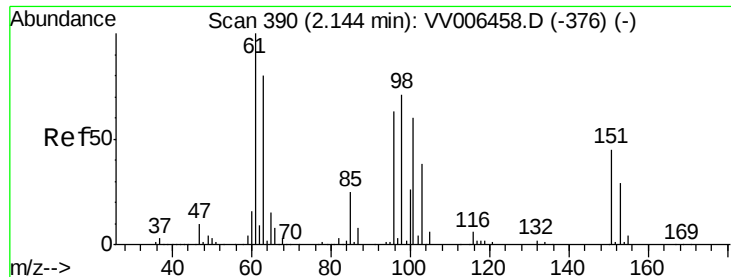
103 64.8 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006475.D (-182) (-)

Ion 103.00 (102.70 to 103.70): VV006475.D (-182) (-)





#10

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

Concen: 5.089 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

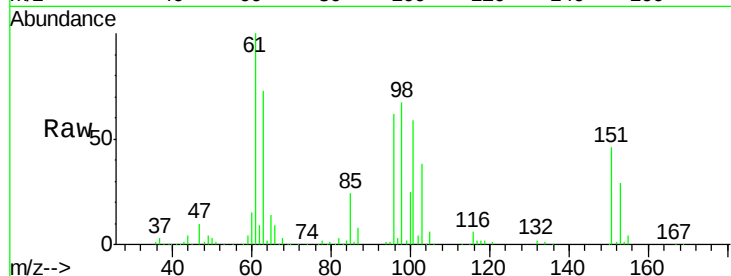
Tgt Ion: 101 Resp: 102108

Ion Ratio Lower Upper

101 100

85 41.1 33.1 49.7

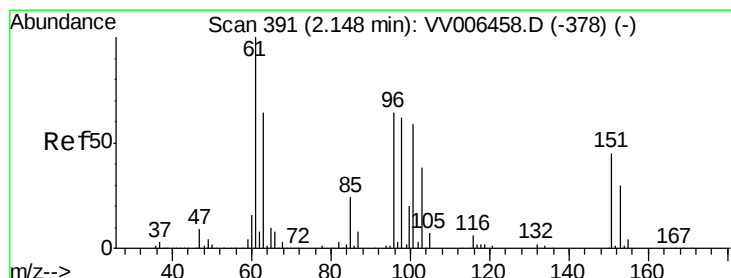
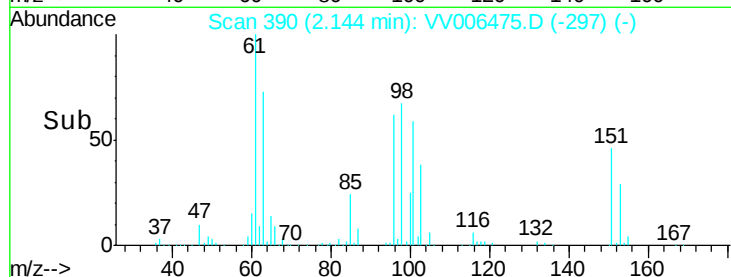
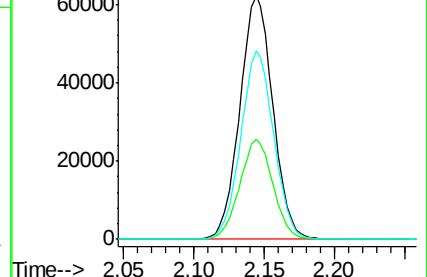
151 77.3 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): VV006475.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VV006475.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VV006475.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 4.769 ug/L

RT: 2.15 min Scan# 391

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

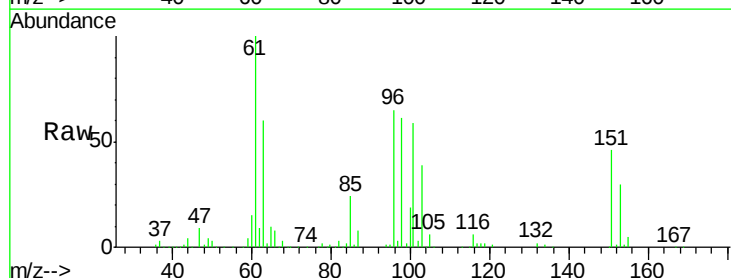
Tgt Ion: 96 Resp: 93887

Ion Ratio Lower Upper

96 100

61 153.1 111.4 207.0

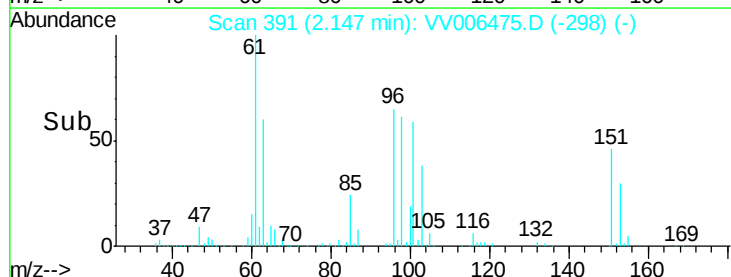
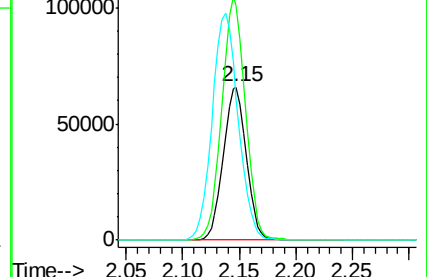
63 91.9 87.4 162.2

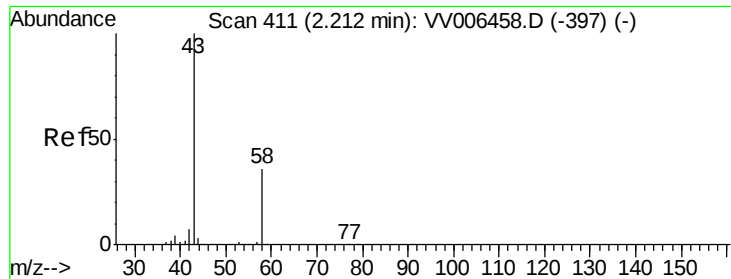


Abundance Ion 96.00 (95.70 to 96.70): VV006475.D (-298) (-)

Ion 61.05 (60.75 to 61.75): VV006475.D (-298) (-)

Ion 63.00 (62.70 to 63.70): VV006475.D (-298) (-)





#13

Acetone

Concen: 52.776 ug/L

RT: 2.21 min Scan# 411

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

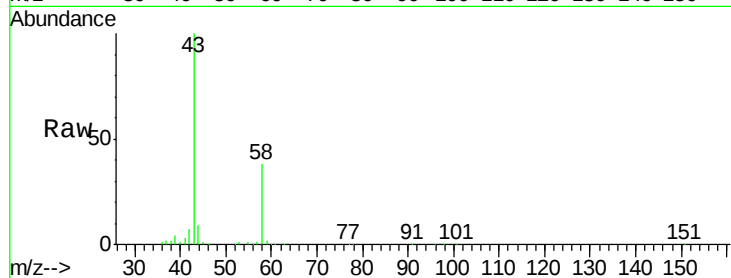
VSTD00563

Tgt Ion: 43 Resp: 129761

Ion Ratio Lower Upper

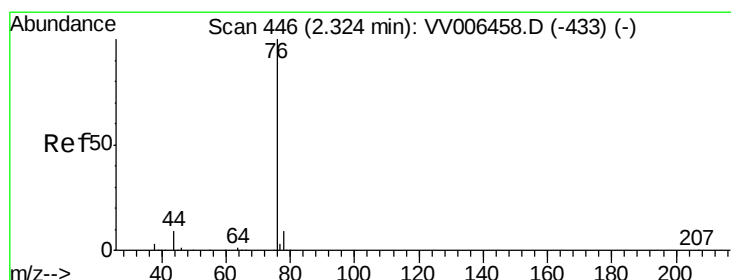
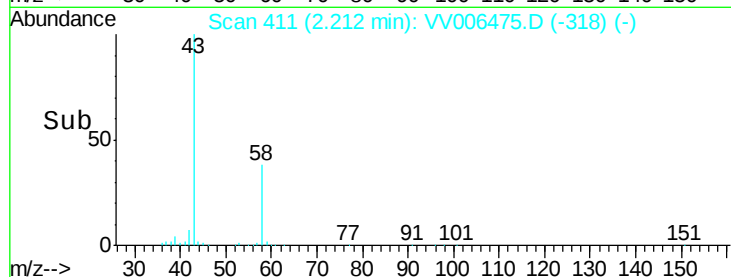
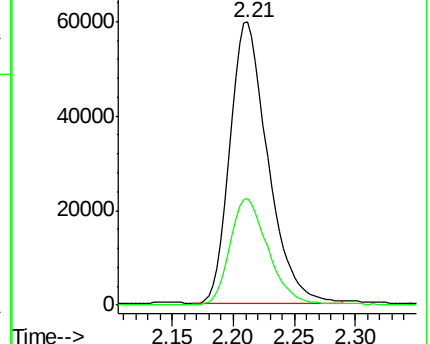
43 100

58 38.2 0.0 77.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 3.923 ug/L

RT: 2.32 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV006475.D

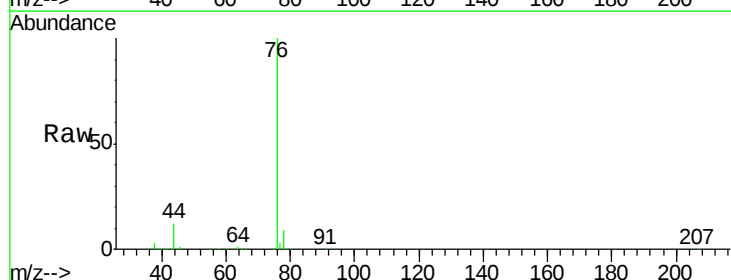
Acq: 26 Jun 2018 18:49

Tgt Ion: 76 Resp: 218108

Ion Ratio Lower Upper

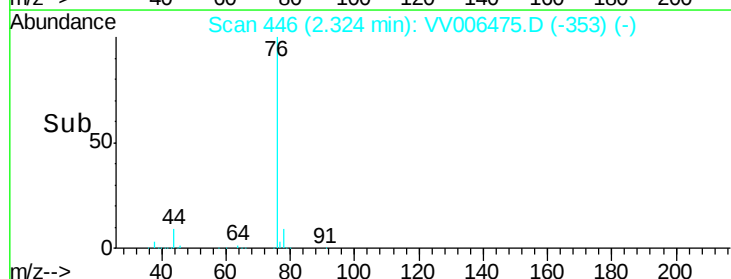
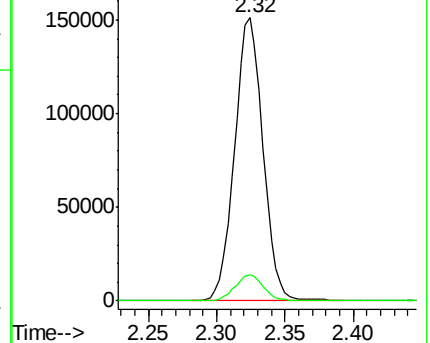
76 100

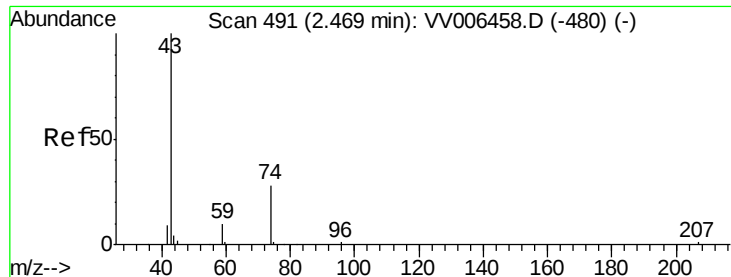
78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

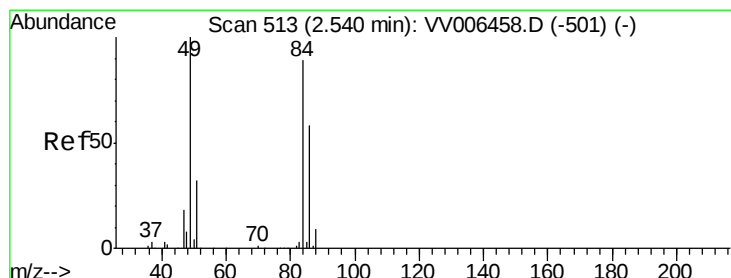
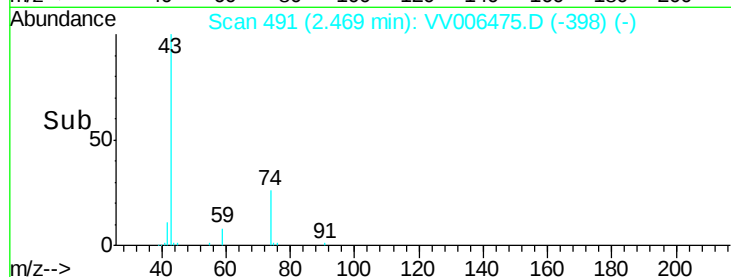
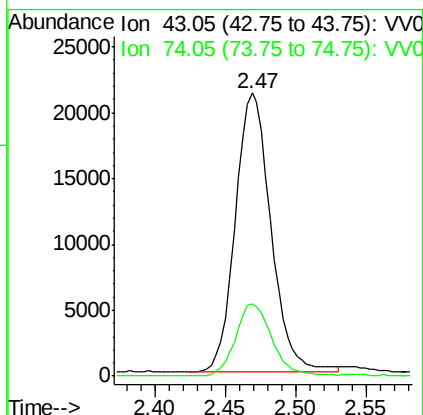
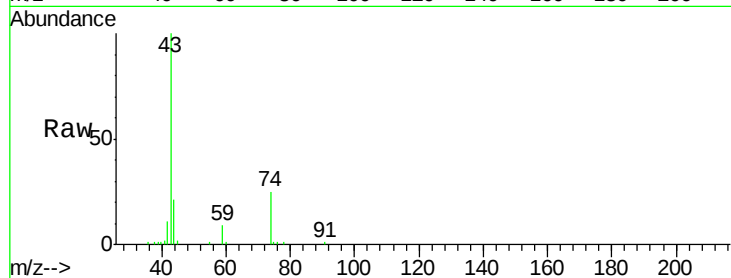




#15
Methyl Acetate
Concen: 5.196 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV006475.D
Acq: 26 Jun 2018 18:49

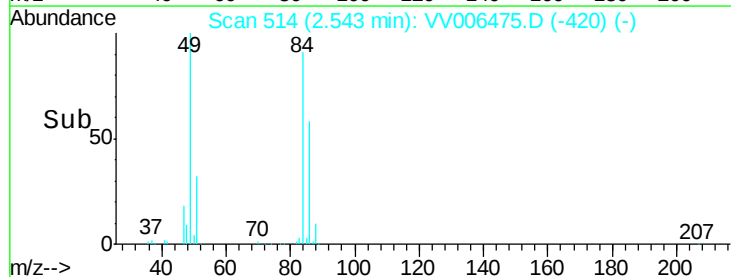
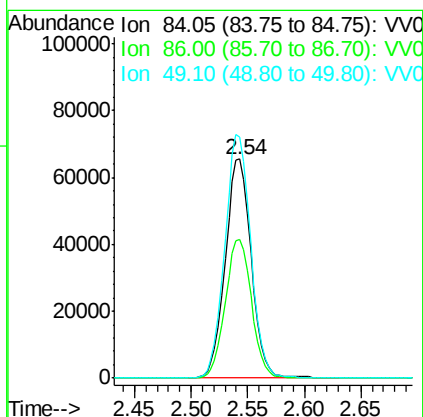
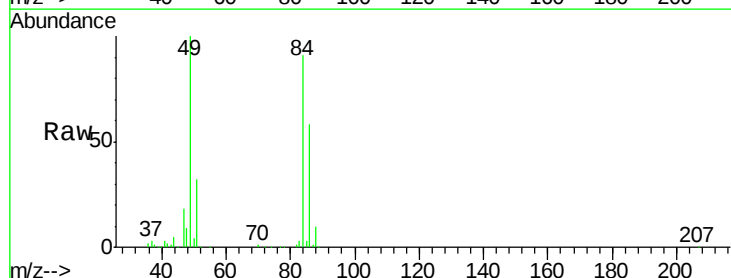
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

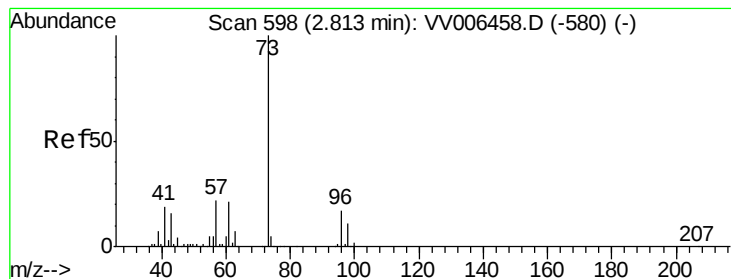
Tgt Ion: 43 Resp: 37616
Ion Ratio Lower Upper
43 100
74 26.5 22.2 33.4



#16
Methylene chloride
Concen: 4.551 ug/L
RT: 2.54 min Scan# 514
Delta R.T. 0.00 min
Lab File: VV006475.D
Acq: 26 Jun 2018 18:49

Tgt Ion: 84 Resp: 104948
Ion Ratio Lower Upper
84 100
86 63.4 44.2 82.2
49 109.8 79.0 146.8





#17

Methyl tert-butyl Ether

Concen: 4.814 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

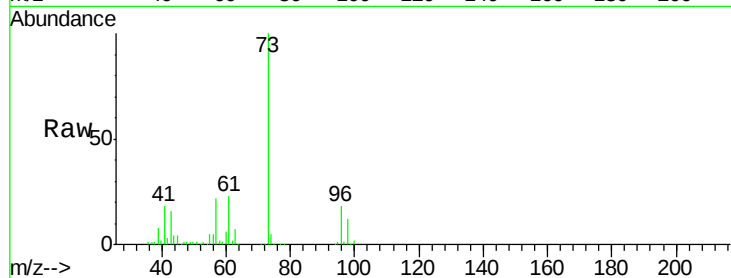
Tgt Ion: 73 Resp: 229724

Ion Ratio Lower Upper

73 100

43 16.0 12.9 19.3

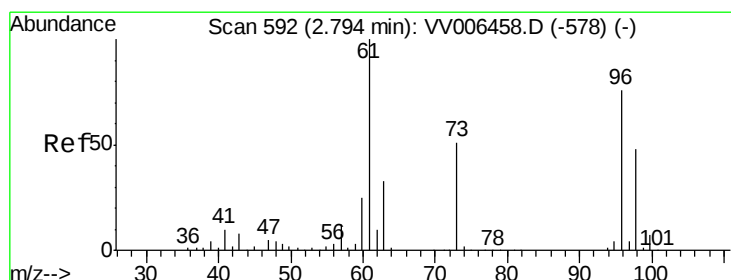
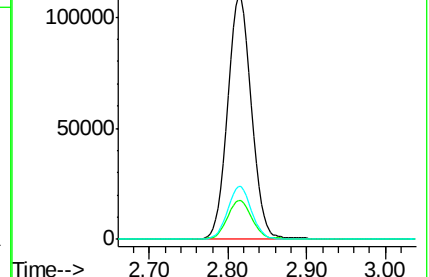
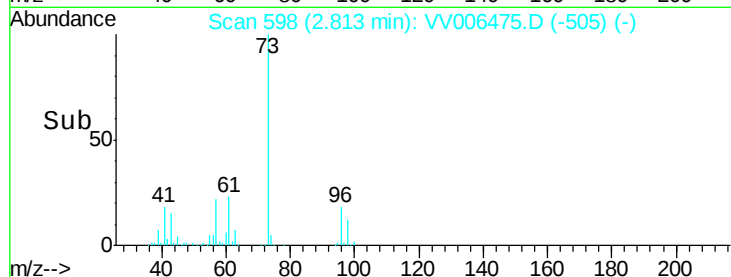
57 21.9 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV006475.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006475.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006475.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.803 ug/L

RT: 2.80 min Scan# 593

Delta R.T. 0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

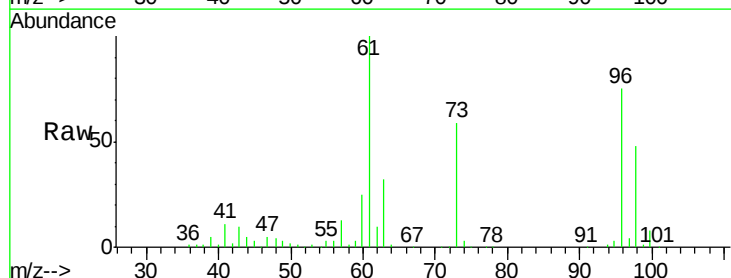
Tgt Ion: 96 Resp: 103538

Ion Ratio Lower Upper

96 100

61 134.1 94.4 175.2

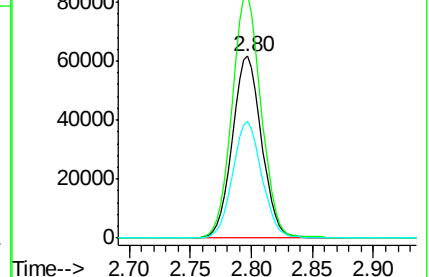
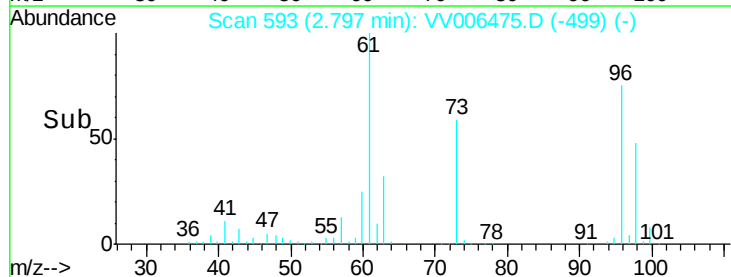
98 64.2 44.3 82.3

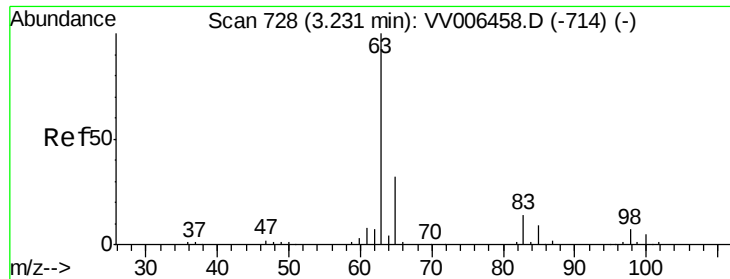


Abundance Ion 96.00 (95.70 to 96.70): VV006475.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006475.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006475.D (-499) (-)

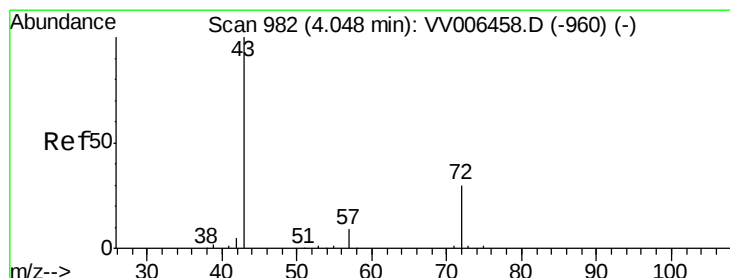
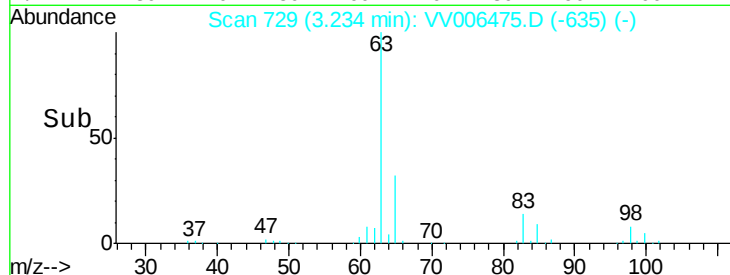
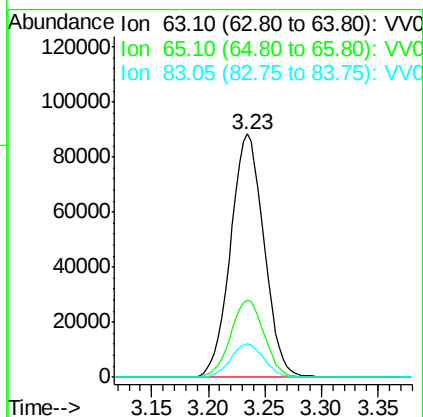
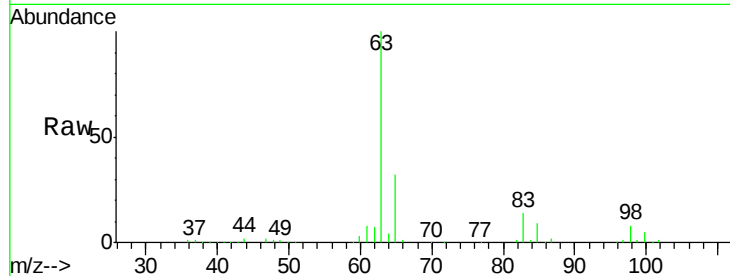




#19
 1,1-Dichloroethane
 Concen: 4.734 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV006475.D
 Acq: 26 Jun 2018 18:49

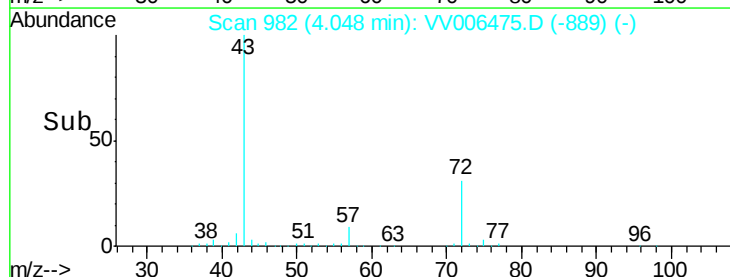
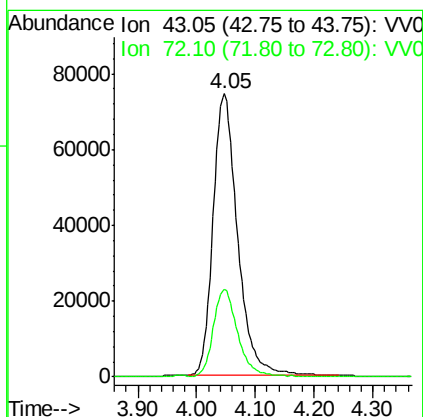
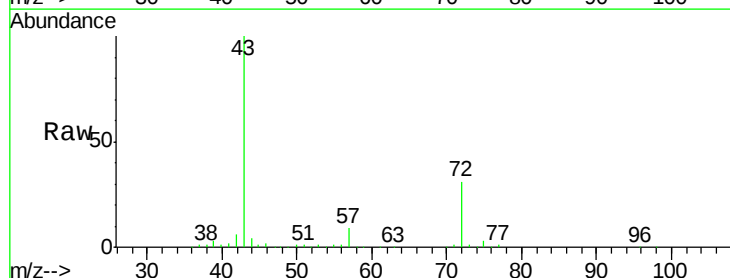
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

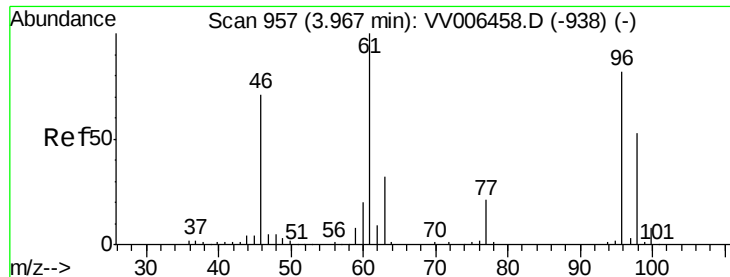
Tgt Ion: 63 Resp: 181736
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.2 41.2
 83 13.9 9.2 17.2



#21
 2-Butanone
 Concen: 48.474 ug/L
 RT: 4.05 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VV006475.D
 Acq: 26 Jun 2018 18:49

Tgt Ion: 43 Resp: 215391
 Ion Ratio Lower Upper
 43 100
 72 30.4 15.4 46.1



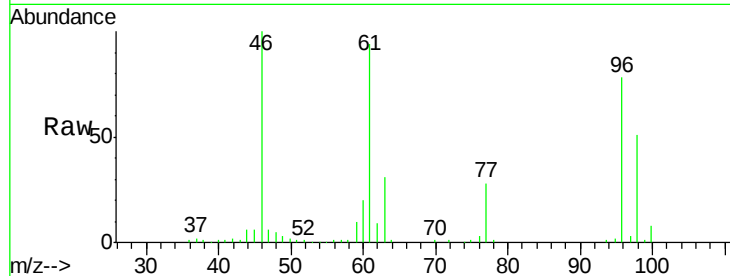


#22

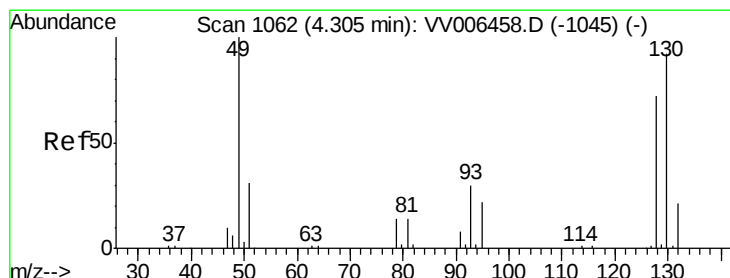
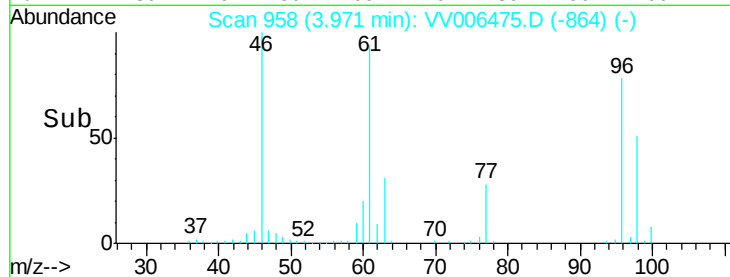
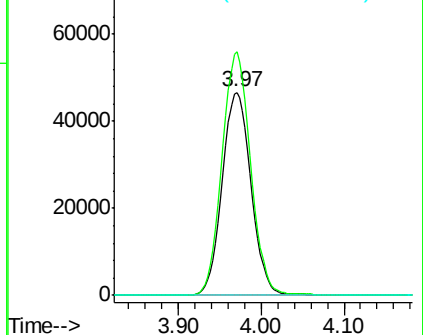
cis-1,2-Dichloroethene
 Concen: 4.762 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV006475.D
 Acq: 26 Jun 2018 18:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion: 96 Resp: 112881
 Ion Ratio Lower Upper
 96 100
 61 119.9 81.8 151.8
 68 0.0 0.0 0.0



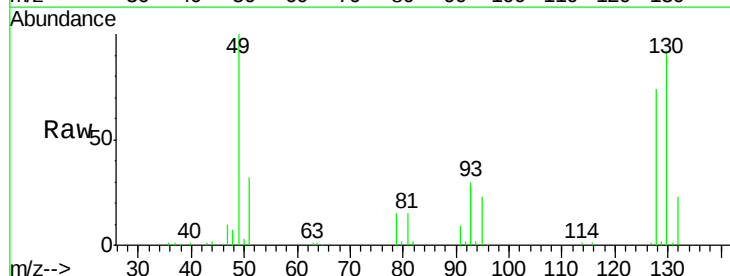
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



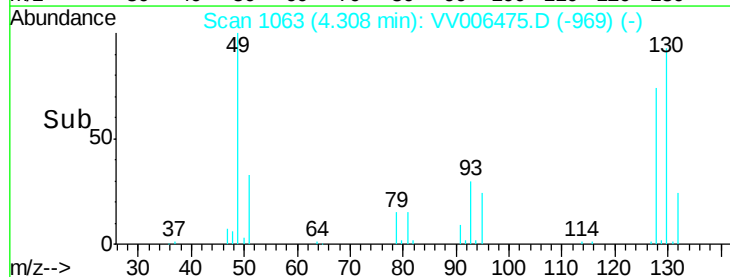
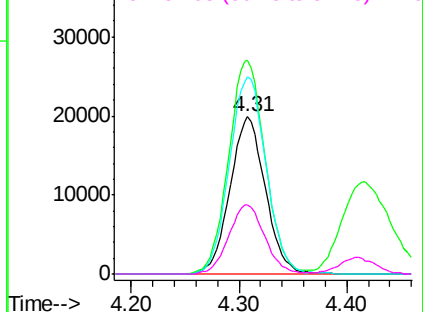
#23

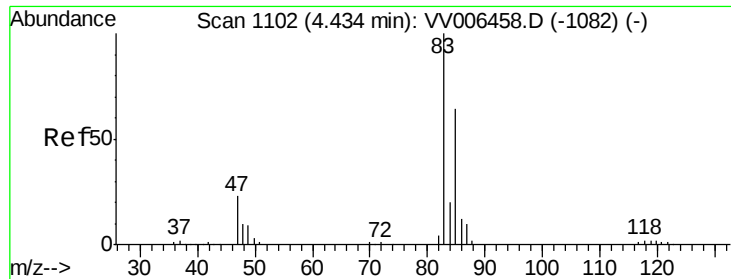
Bromochloromethane
 Concen: 4.719 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006475.D
 Acq: 26 Jun 2018 18:49

Tgt Ion: 128 Resp: 45448
 Ion Ratio Lower Upper
 128 100
 49 135.9 101.2 188.0
 130 125.3 93.0 172.6
 51 44.0 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

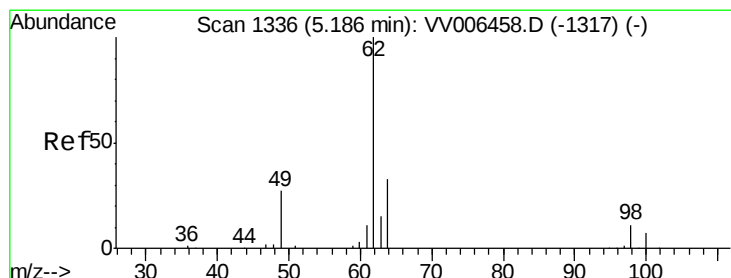
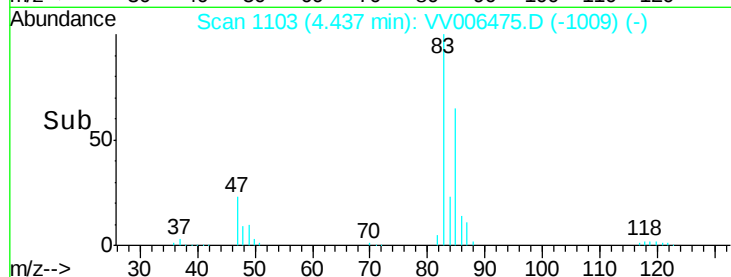
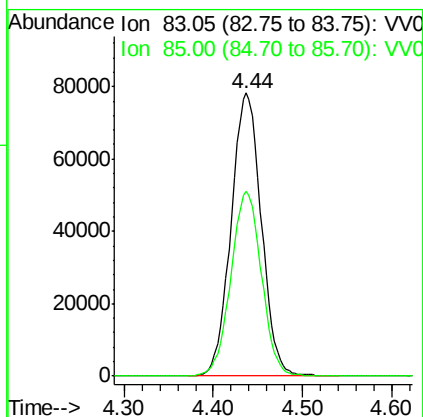
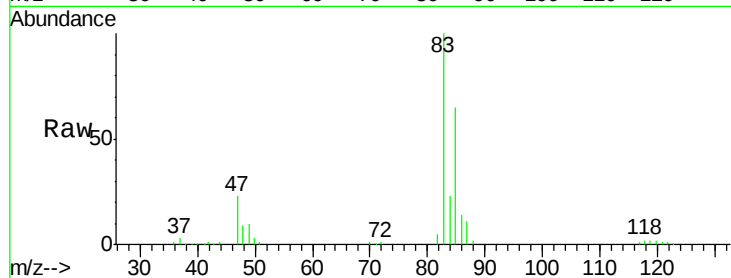




#25
Chloroform
Concen: 4.750 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006475.D
Acq: 26 Jun 2018 18:49

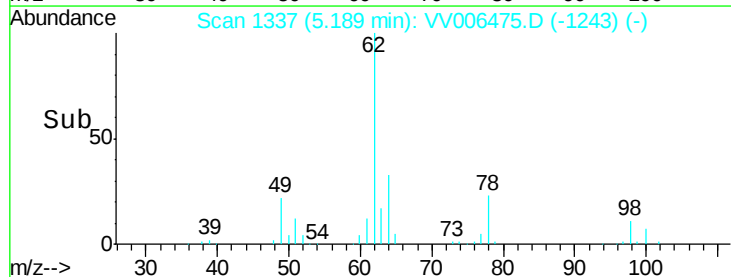
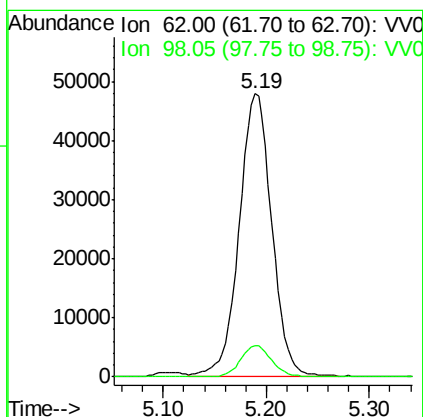
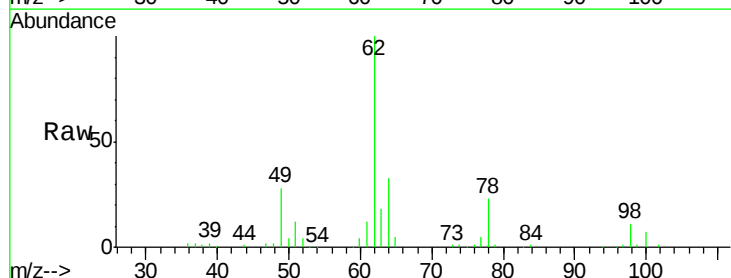
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

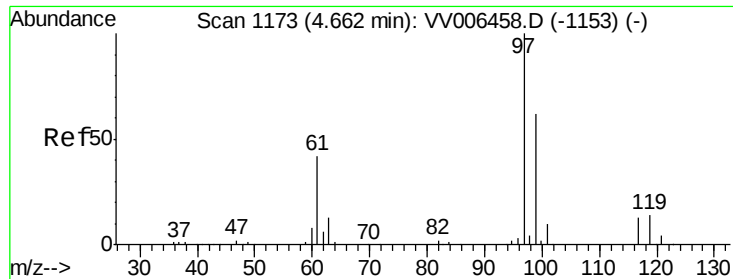
Tgt Ion: 83 Resp: 183785
Ion Ratio Lower Upper
83 100
85 65.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.817 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006475.D
Acq: 26 Jun 2018 18:49

Tgt Ion: 62 Resp: 104727
Ion Ratio Lower Upper
62 100
98 11.2 8.8 13.2

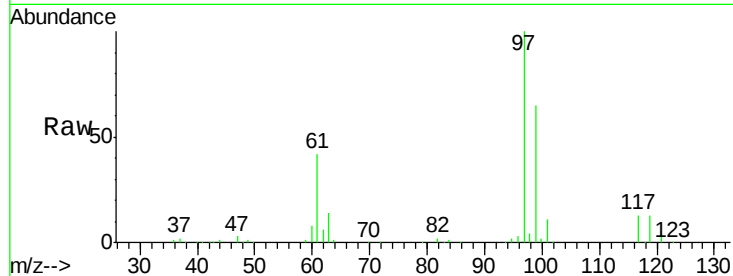




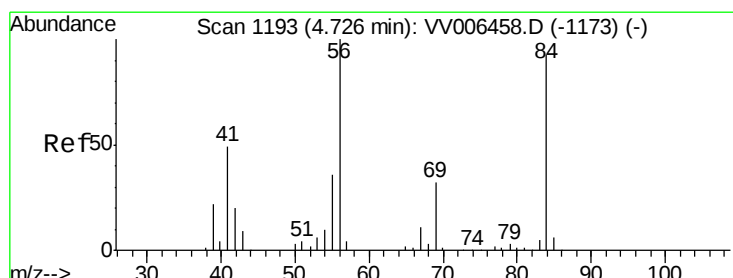
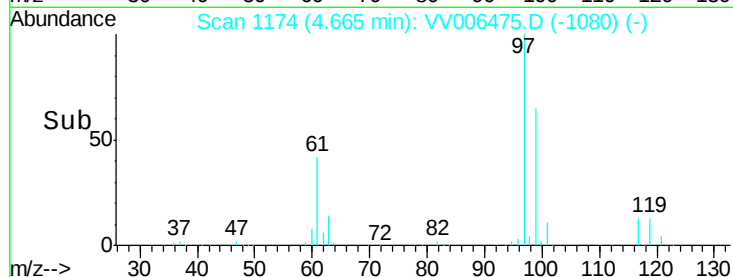
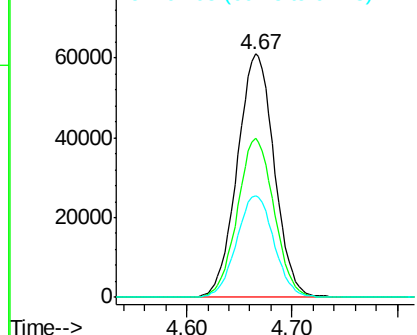
#29
 1,1,1-Trichloroethane
 Concen: 4.553 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006475.D
 Acq: 26 Jun 2018 18:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion: 97 Resp: 148254
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.0 76.4
 61 42.4 33.8 50.6

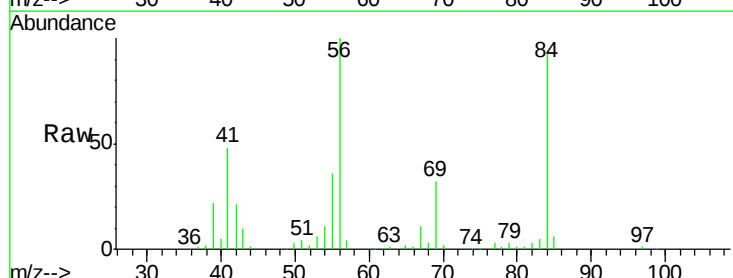


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

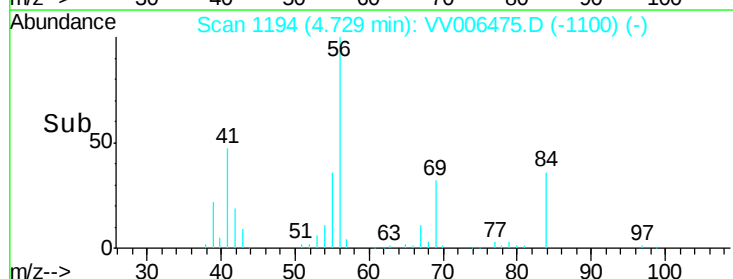
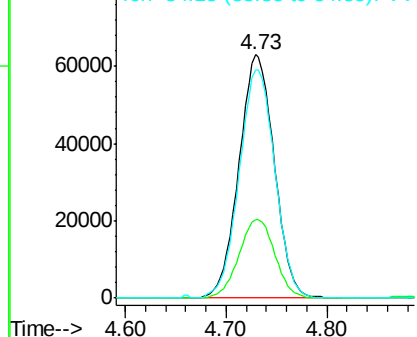


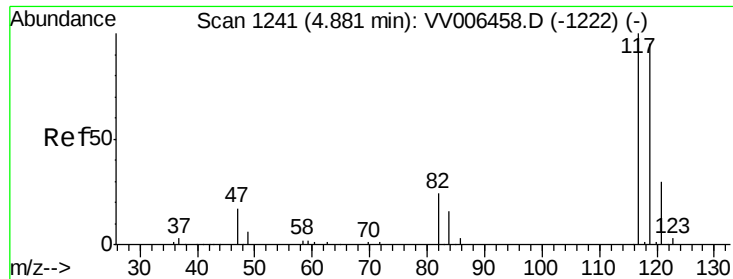
#30
 Cyclohexane
 Concen: 4.688 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VV006475.D
 Acq: 26 Jun 2018 18:49

Tgt Ion: 56 Resp: 152561
 Ion Ratio Lower Upper
 56 100
 69 32.9 25.6 38.4
 84 94.9 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: 4.474 ug/L

RT: 4.88 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

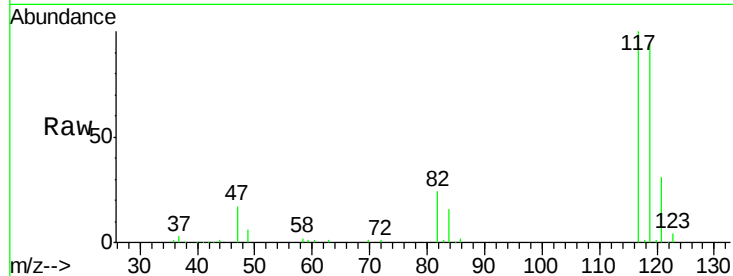
VSTD00563

Tgt Ion:117 Resp: 122197

Ion Ratio Lower Upper

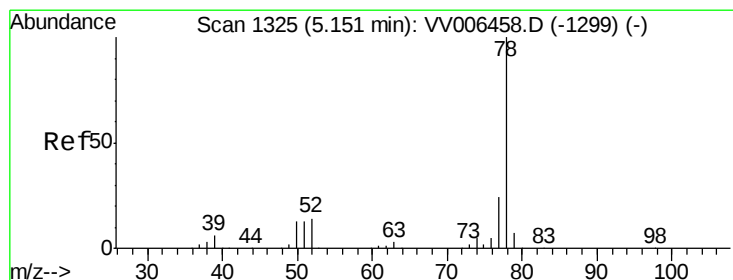
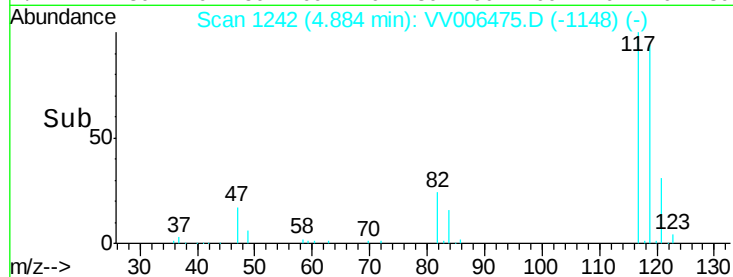
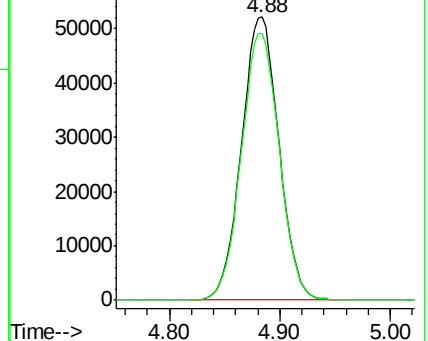
117 100

119 95.9 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: 4.787 ug/L

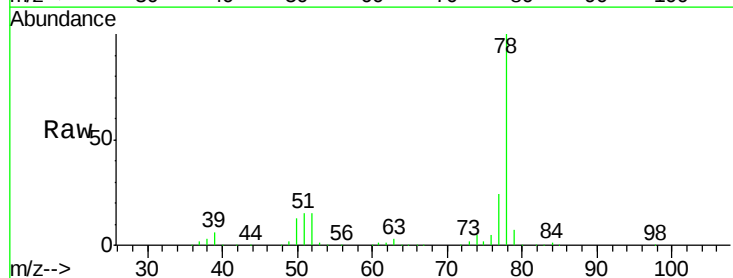
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

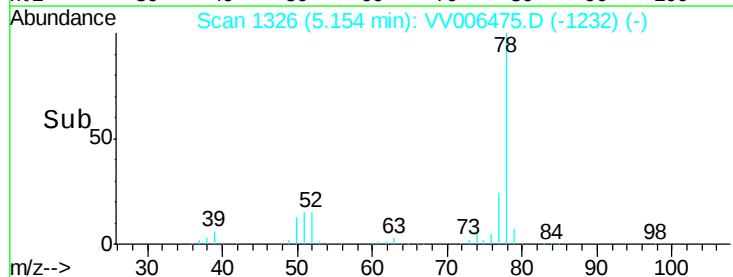
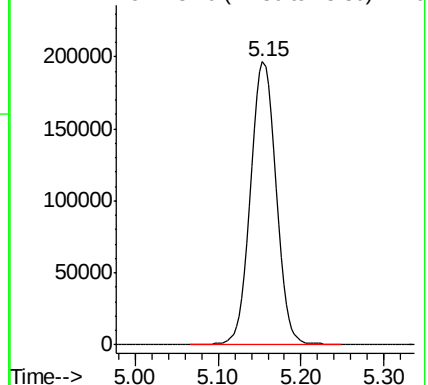
Lab File: VV006475.D

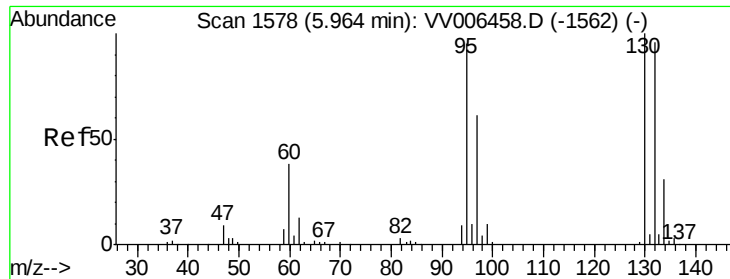
Acq: 26 Jun 2018 18:49

Tgt Ion: 78 Resp: 422172



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.566 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion: 95 Resp: 115199

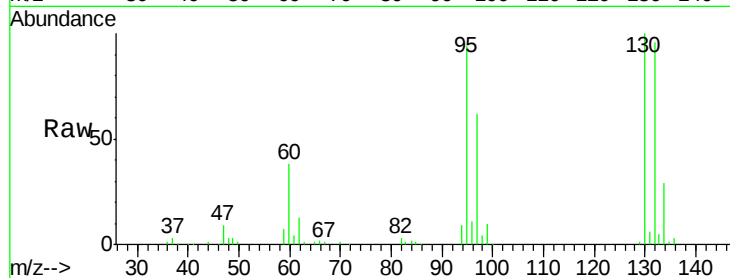
Ion Ratio Lower Upper

95 100

97 66.1 44.6 82.8

132 102.8 70.1 130.1

130 106.6 73.3 136.1

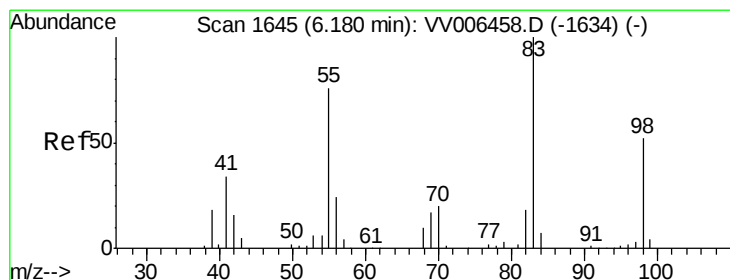
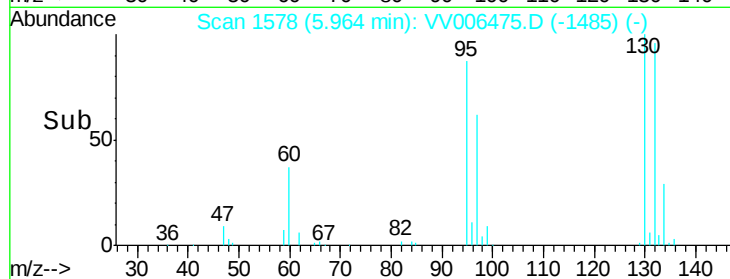
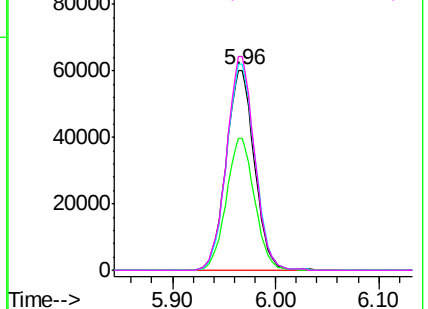


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 4.838 ug/L

RT: 6.18 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

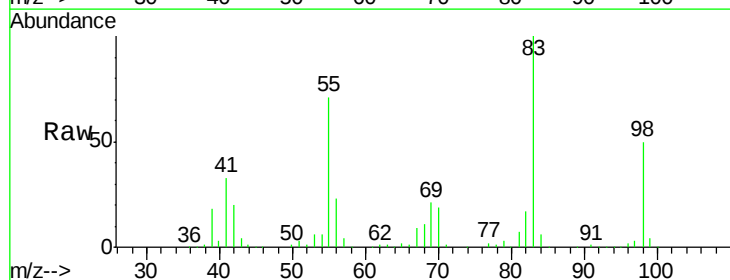
Tgt Ion: 83 Resp: 177465

Ion Ratio Lower Upper

83 100

55 72.3 57.5 86.3

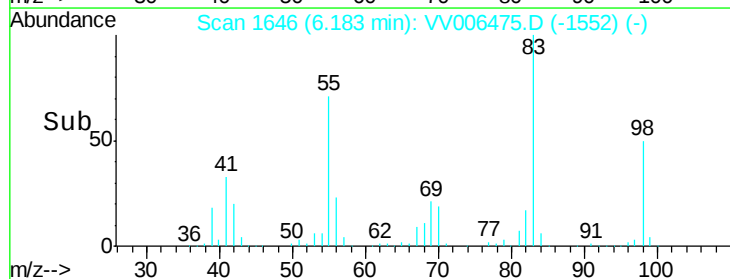
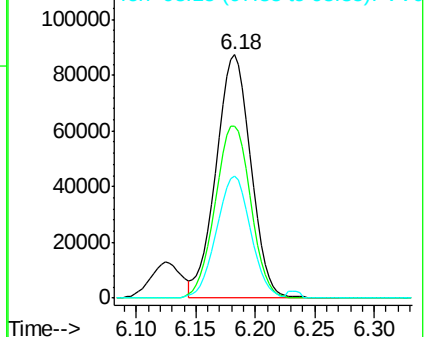
98 49.3 39.6 59.4

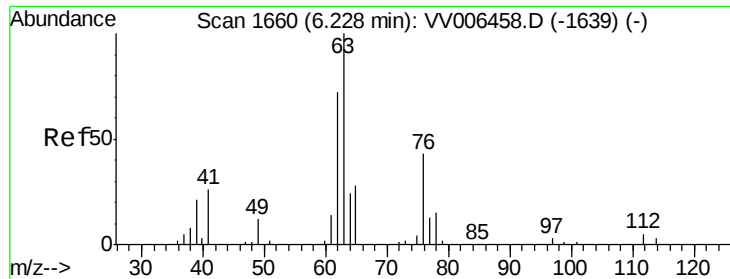


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.730 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampled :

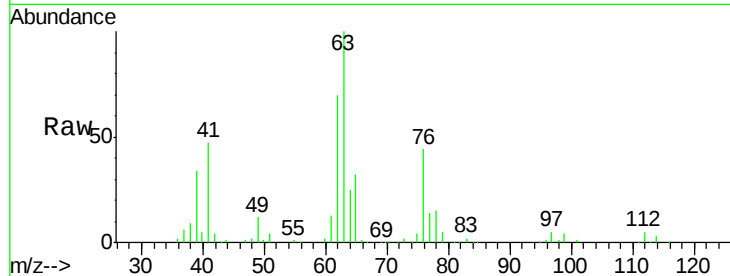
VSTD00563

Tgt Ion: 63 Resp: 101931

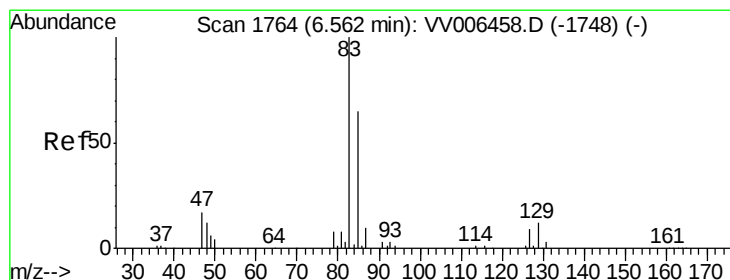
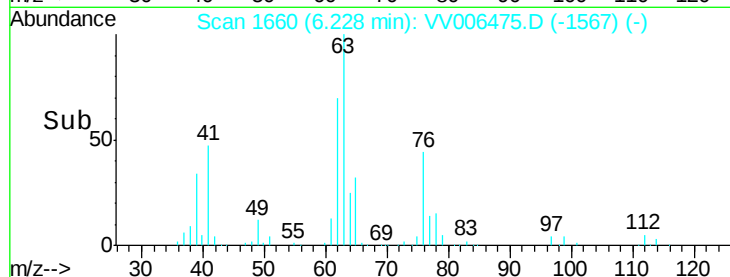
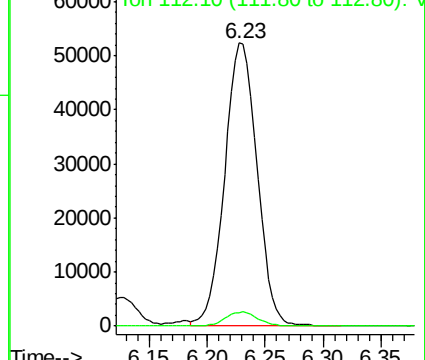
Ion Ratio Lower Upper

63 100

112 5.0 4.0 6.0



Abundance Ion 63.10 (62.80 to 63.80): VV006475.D (-1567) (-)



#38

Bromodichloromethane

Concen: 4.337 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

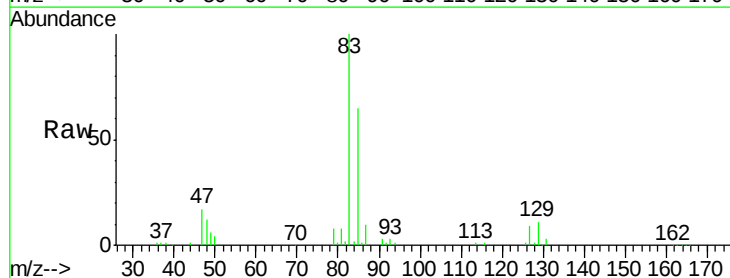
Tgt Ion: 83 Resp: 107572

Ion Ratio Lower Upper

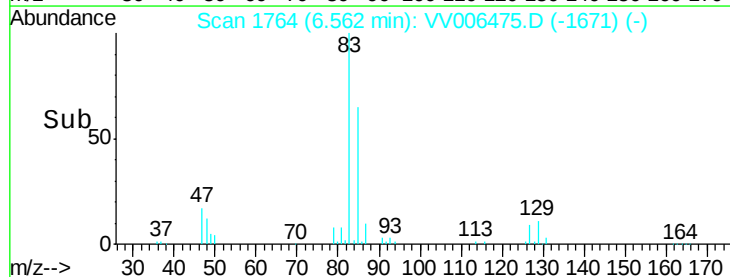
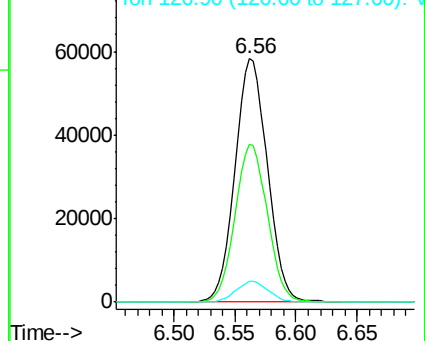
83 100

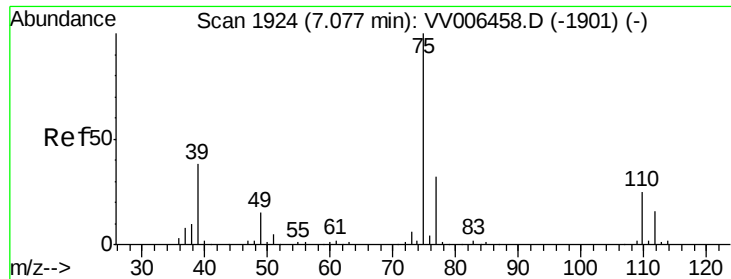
85 64.6 45.1 83.9

127 8.5 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VV006475.D (-1671) (-)





#39

cis-1,3-Dichloropropene

Concen: 4.561 ug/L

RT: 7.08 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

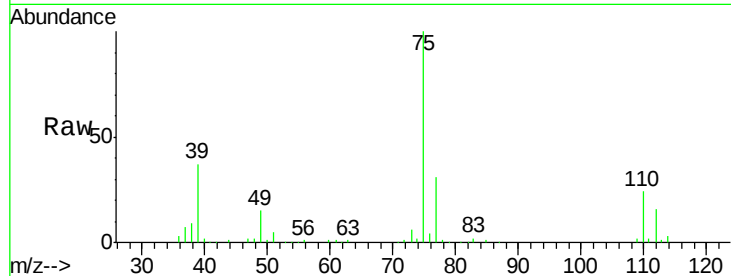
VSTD00563

Tgt Ion: 75 Resp: 136780

Ion Ratio Lower Upper

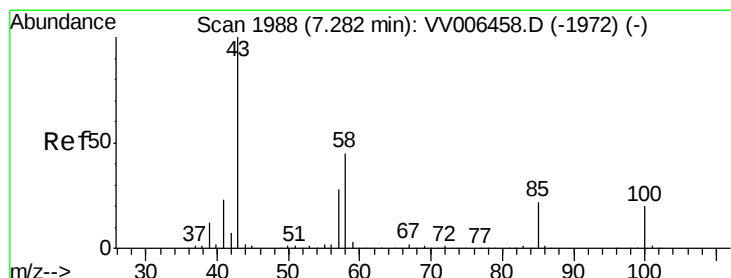
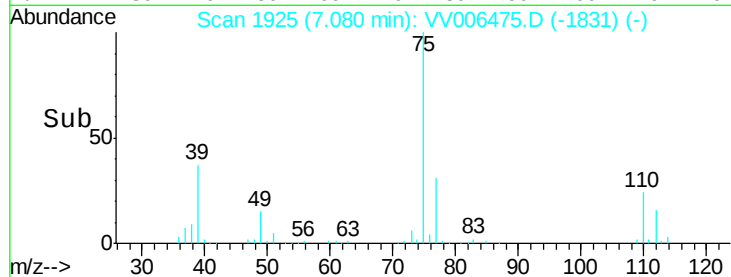
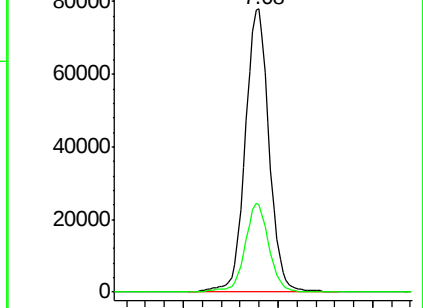
75 100

77 30.7 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 48.477 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

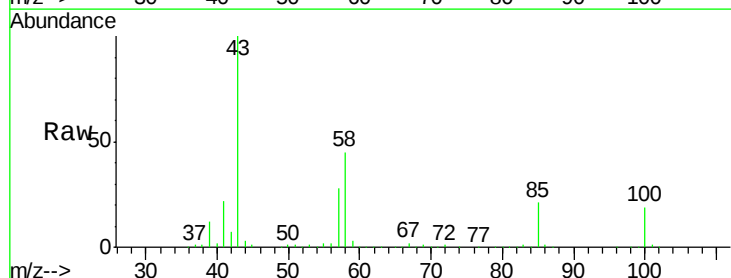
Tgt Ion: 43 Resp: 508345

Ion Ratio Lower Upper

43 100

58 44.6 35.4 53.2

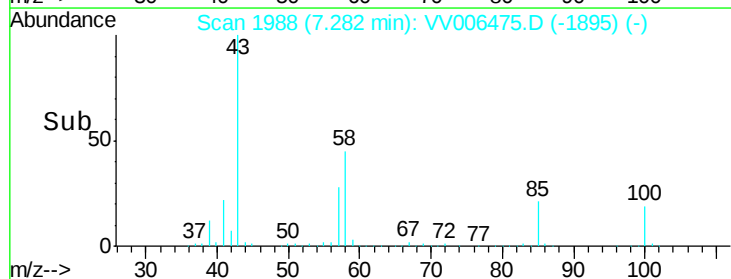
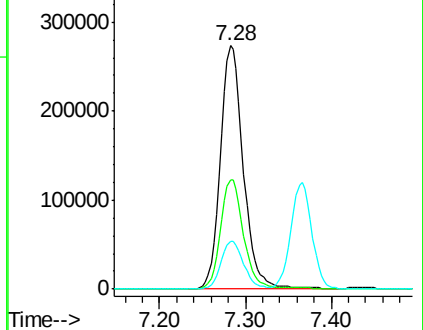
100 19.4 15.5 23.3

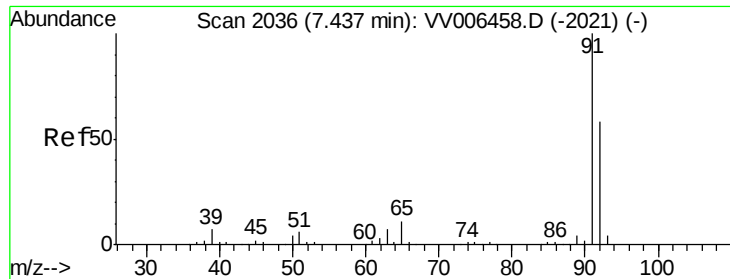


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.806 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

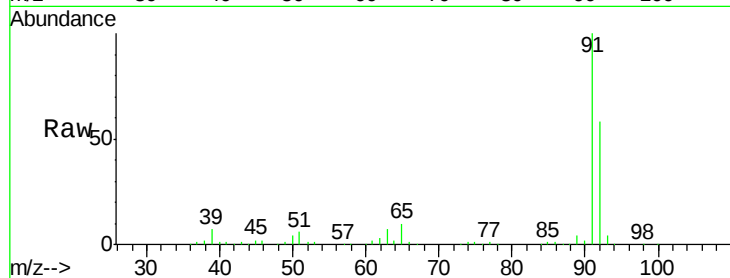
VSTD00563

Tgt Ion: 91 Resp: 448873

Ion Ratio Lower Upper

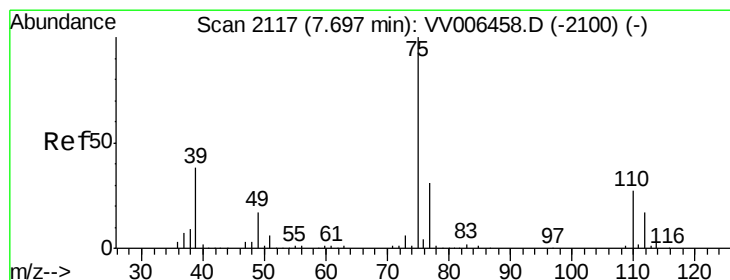
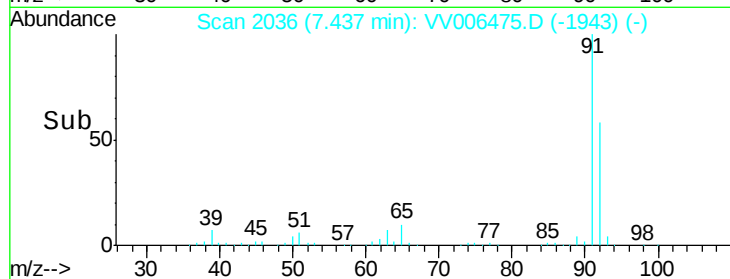
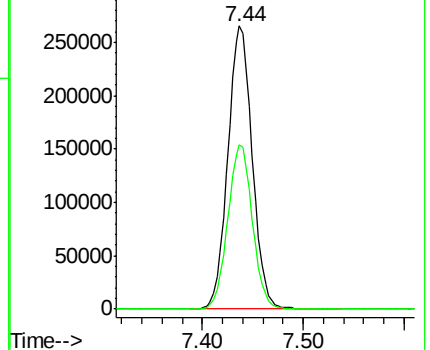
91 100

92 58.2 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV006475.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006475.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.383 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006475.D

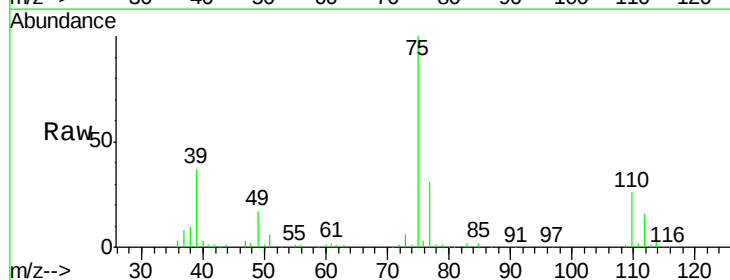
Acq: 26 Jun 2018 18:49

Tgt Ion: 75 Resp: 103098

Ion Ratio Lower Upper

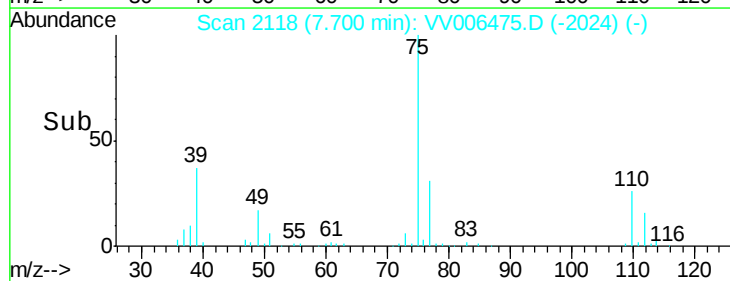
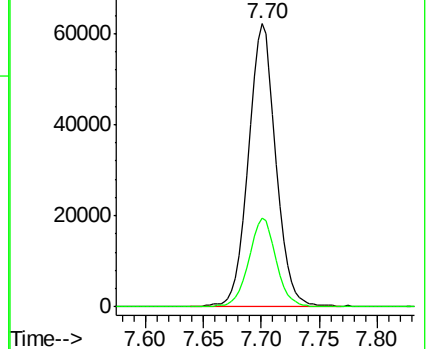
75 100

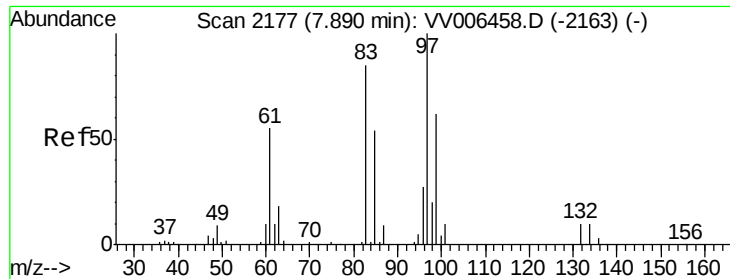
77 31.4 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV006475.D (-2024) (-)

Ion 77.05 (76.75 to 77.75): VV006475.D (-2024) (-)

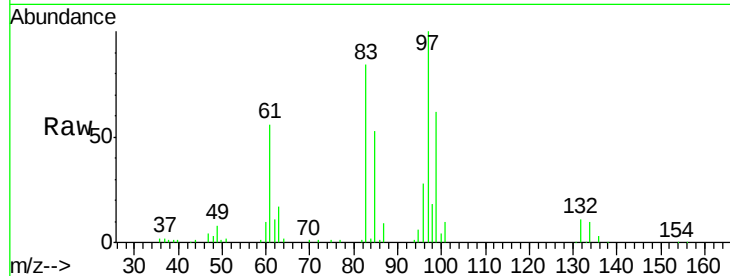




#45
 1,1,2-Trichloroethane
 Concen: 4.852 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006475.D
 Acq: 26 Jun 2018 18:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:	97	Resp:	72222
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.2	82.2
83	83.7	59.0	109.6
85	52.9	36.8	68.3

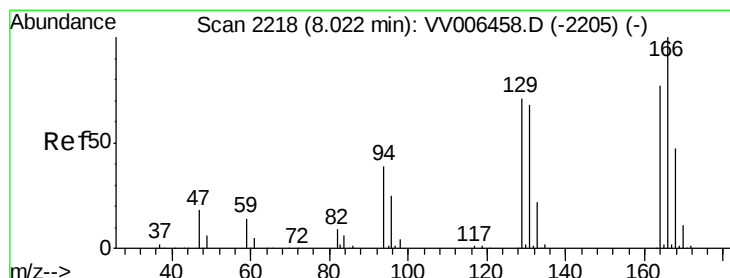
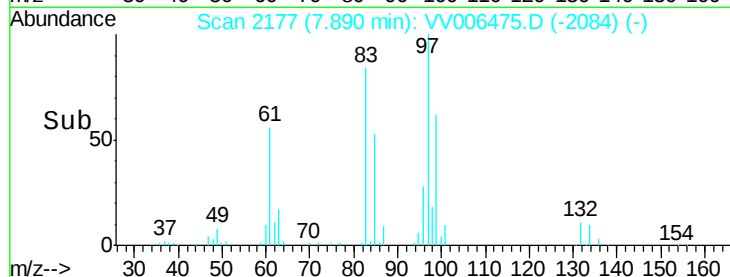
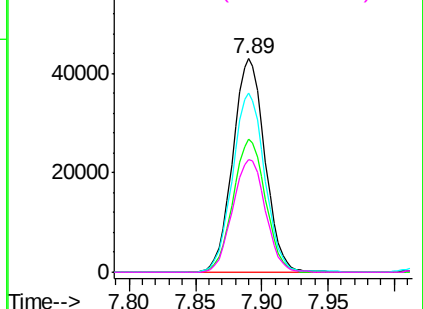


Abundance Ion 96.95 (96.65 to 97.65): VV006475.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006475.D (-2084) (-)

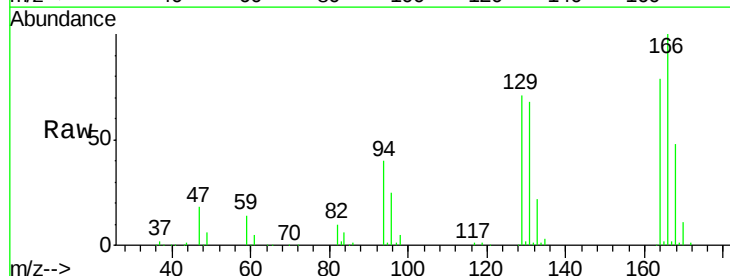
Ion 82.95 (82.65 to 83.65): VV006475.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006475.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 4.767 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006475.D
 Acq: 26 Jun 2018 18:49

Tgt Ion:	164	Resp:	90850
Ion	Ratio	Lower	Upper
164	100		
129	90.6	64.0	118.8
131	86.8	61.7	114.5
166	126.8	89.0	165.2

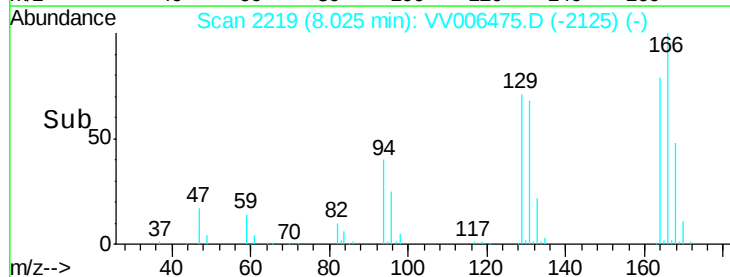
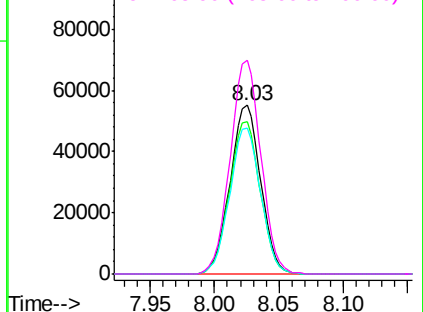


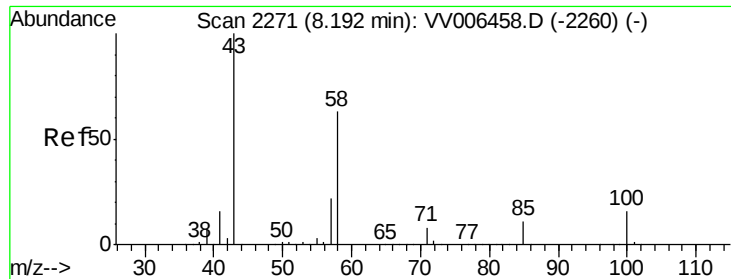
Abundance Ion 163.90 (163.60 to 164.60): VV006475.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006475.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006475.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006475.D (-2125) (-)

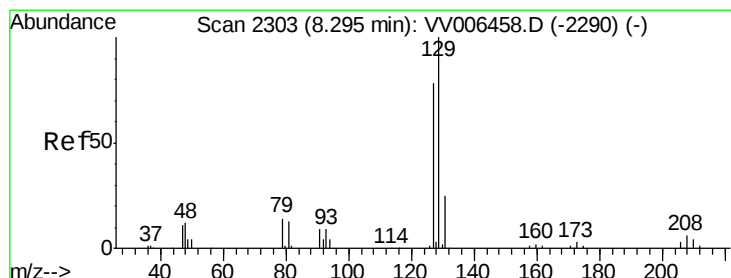
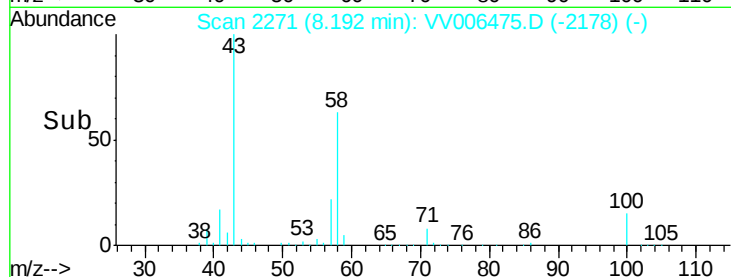
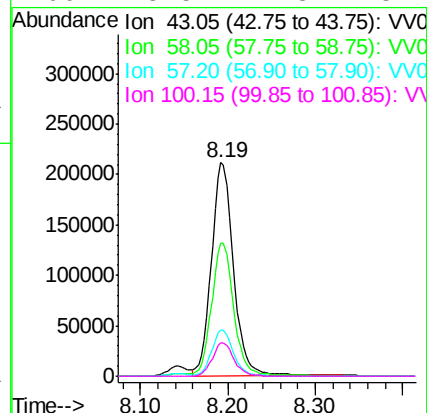
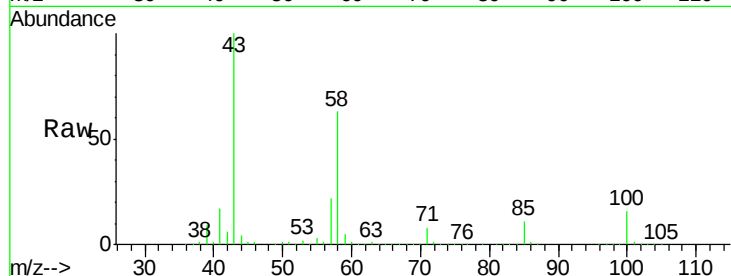




#48
2-Hexanone
Concen: 49.130 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006475.D
Acq: 26 Jun 2018 18:49

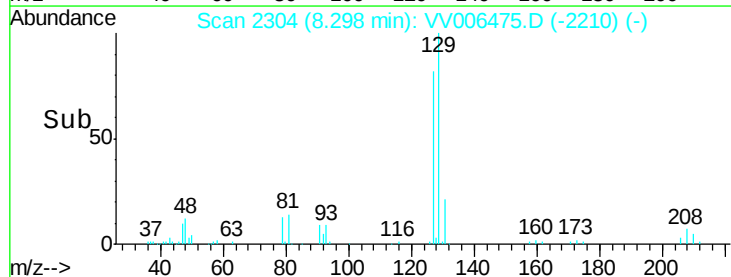
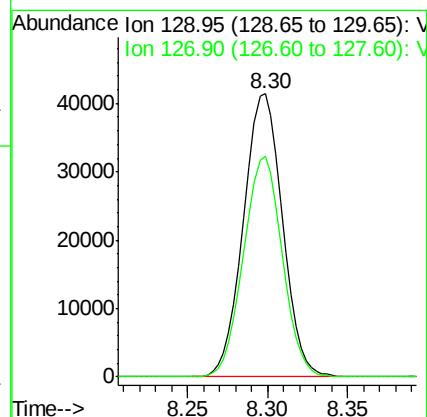
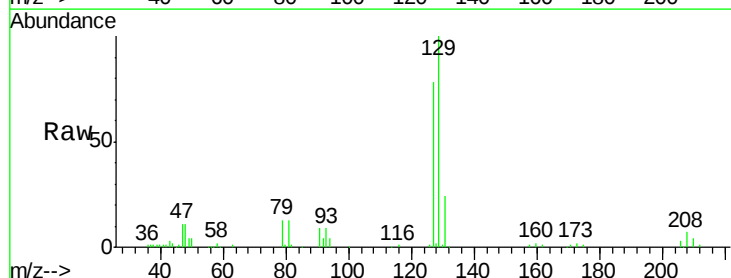
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

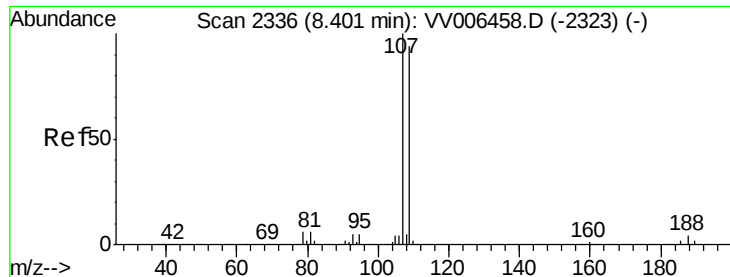
Tgt Ion: 43 Resp: 370642
Ion Ratio Lower Upper
43 100
58 62.7 49.9 74.9
57 21.2 17.3 25.9
100 15.5 12.5 18.7



#49
Dibromochloromethane
Concen: 4.344 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006475.D
Acq: 26 Jun 2018 18:49

Tgt Ion: 129 Resp: 68931
Ion Ratio Lower Upper
129 100
127 78.0 54.0 100.2

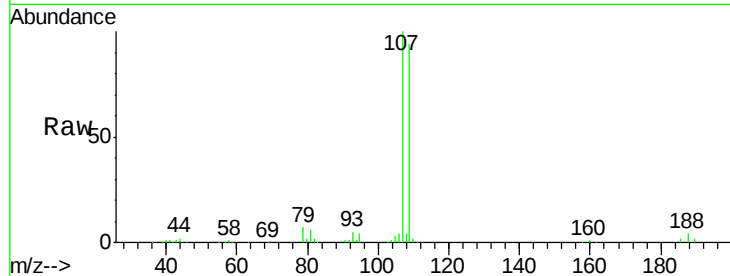




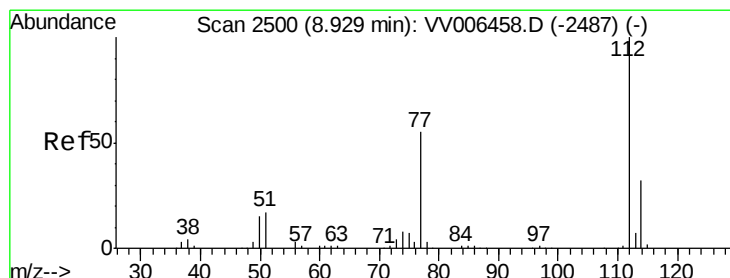
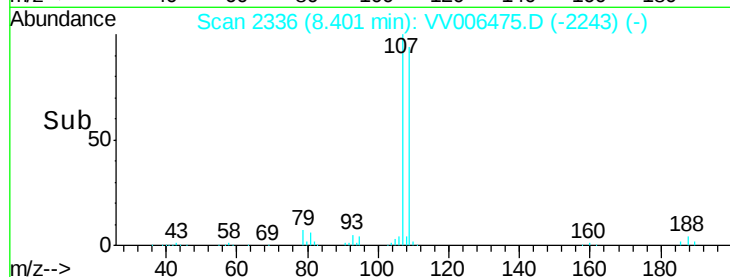
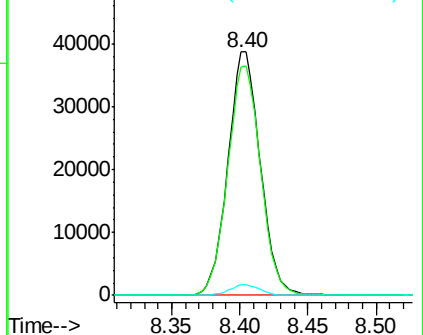
#50
1,2-Dibromoethane
Concen: 4.780 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006475.D
Acq: 26 Jun 2018 18:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion:107 Resp: 63952
Ion Ratio Lower Upper
107 100
109 93.7 64.3 119.5
188 4.4 3.0 4.6

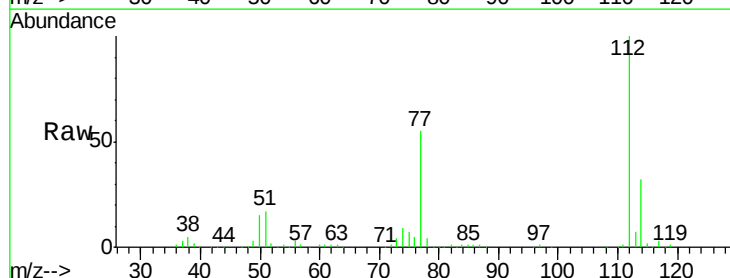


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

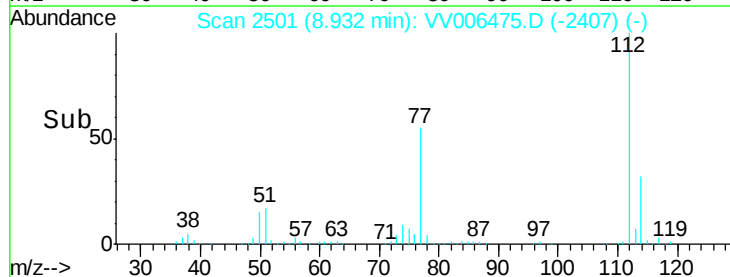
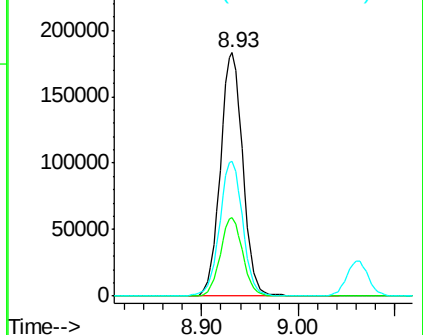


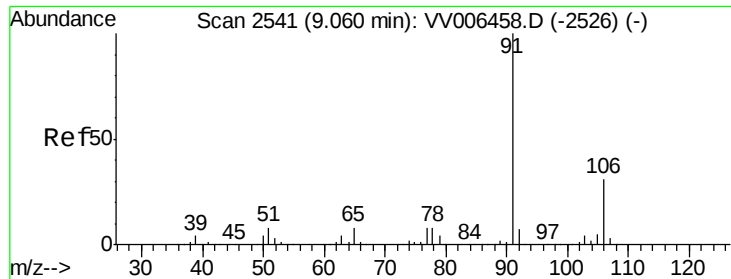
#51
Chlorobenzene
Concen: 4.771 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006475.D
Acq: 26 Jun 2018 18:49

Tgt Ion:112 Resp: 294821
Ion Ratio Lower Upper
112 100
114 32.1 22.8 42.4
77 55.4 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: 4.786 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

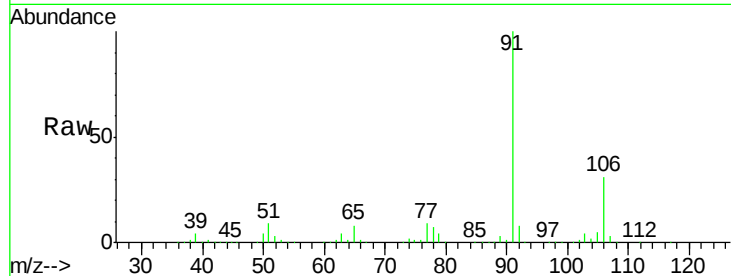
VSTD00563

Tgt Ion: 91 Resp: 483886

Ion Ratio Lower Upper

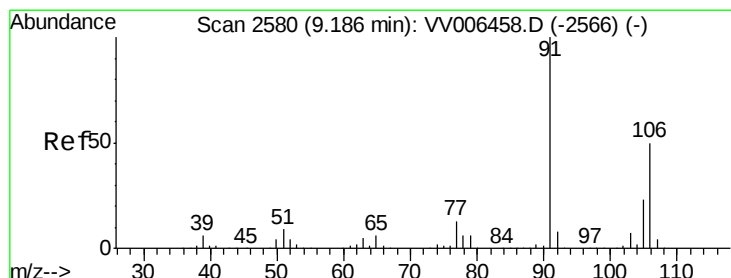
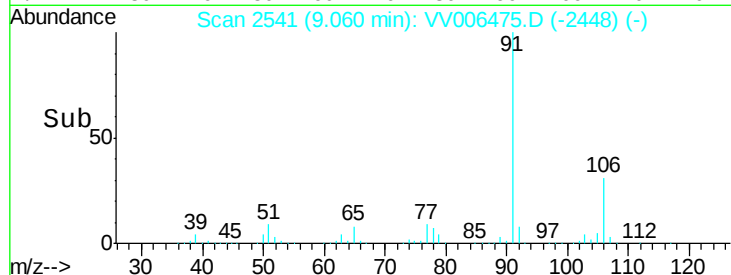
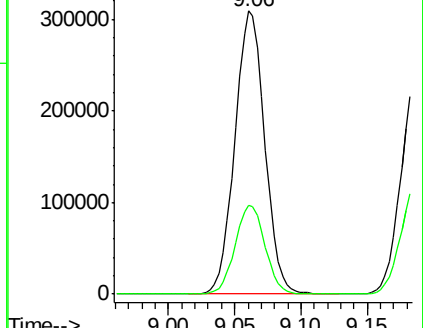
91 100

106 31.5 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006475.D (-2448) (-)

Ion 106.15 (105.85 to 106.85): VV006475.D (-2448) (-)



#53

m,p-xylene

Concen: 4.855 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006475.D

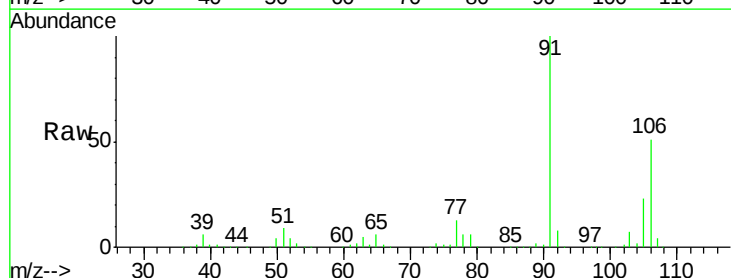
Acq: 26 Jun 2018 18:49

Tgt Ion: 106 Resp: 189326

Ion Ratio Lower Upper

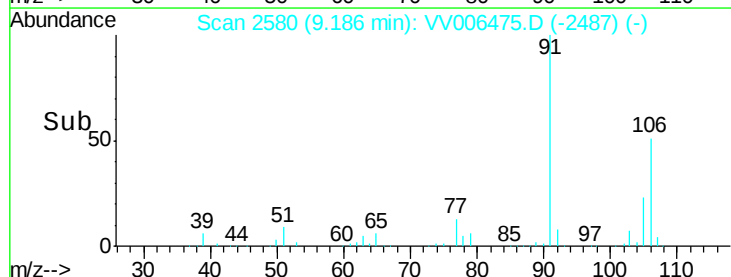
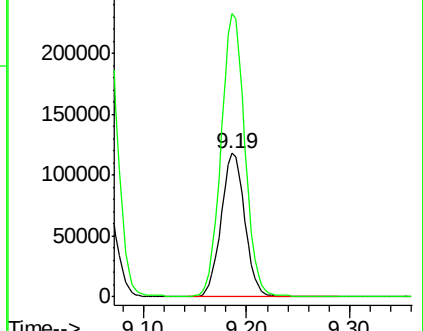
106 100

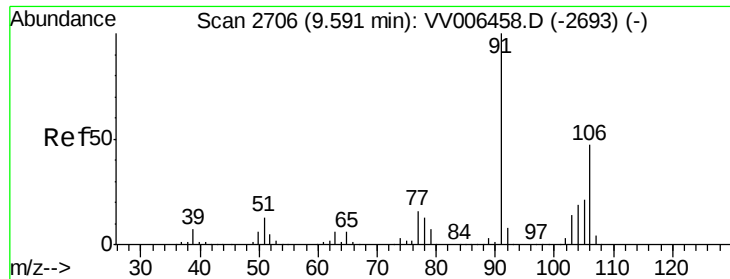
91 197.6 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006475.D (-2487) (-)

Ion 91.15 (90.85 to 91.85): VV006475.D (-2487) (-)

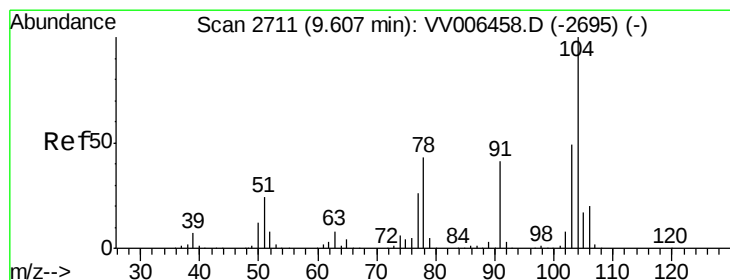
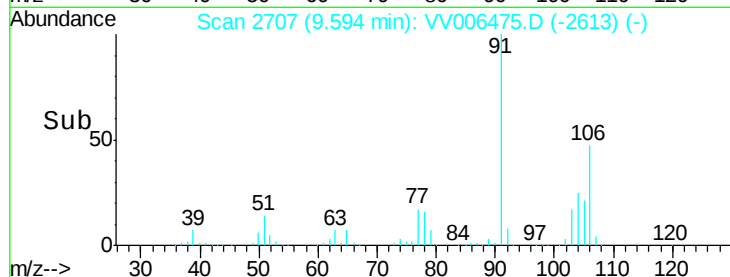
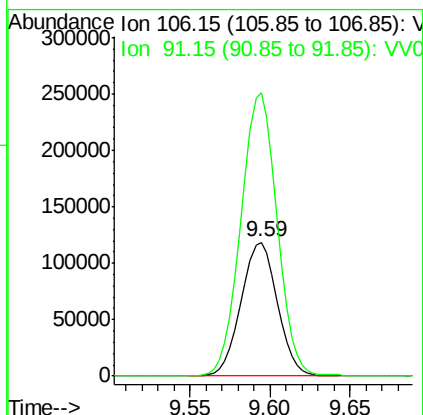
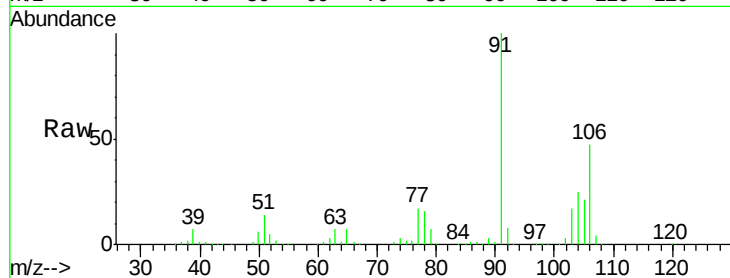




#54
o-xylene
Concen: 4.806 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV006475.D
Acq: 26 Jun 2018 18:49

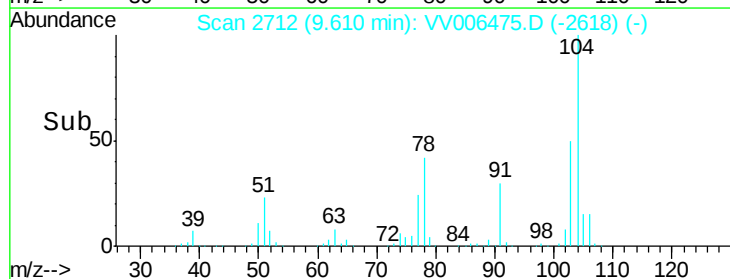
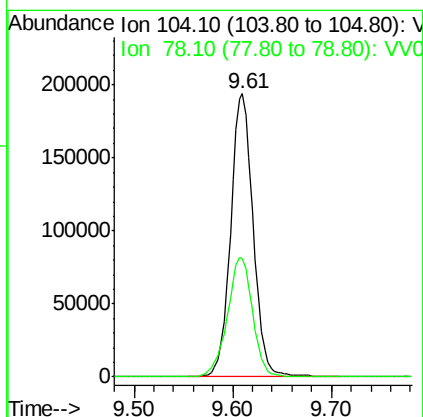
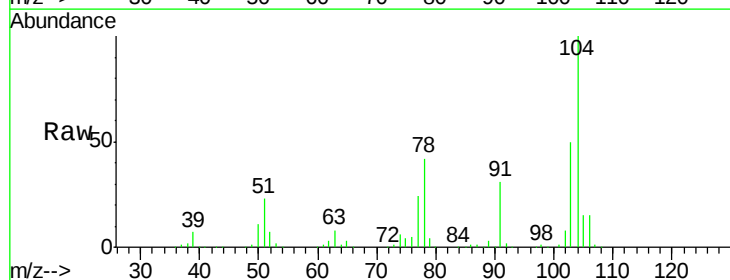
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

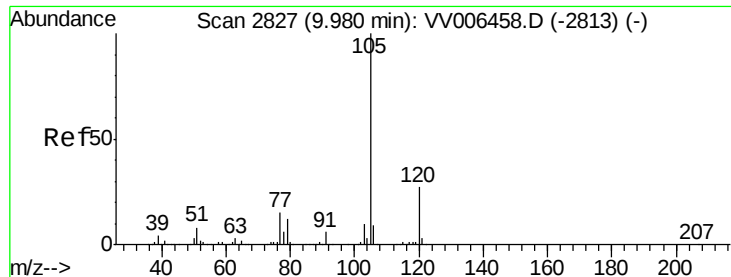
Tgt Ion:106 Resp: 183837
Ion Ratio Lower Upper
106 100
91 211.1 145.7 270.7



#55
Styrene
Concen: 4.941 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006475.D
Acq: 26 Jun 2018 18:49

Tgt Ion:104 Resp: 309249
Ion Ratio Lower Upper
104 100
78 41.8 29.1 54.1





#56

Isopropylbenzene

Concen: 4.840 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

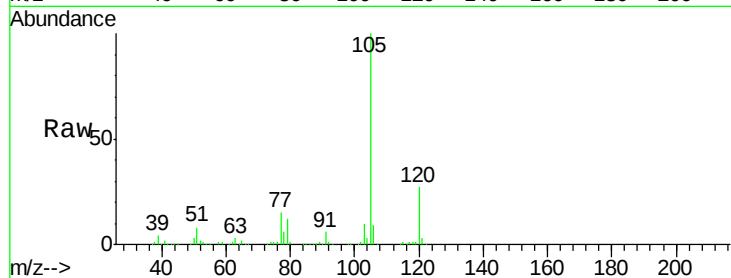
Tgt Ion: 105 Resp: 482451

Ion Ratio Lower Upper

105 100

120 27.2 21.7 32.5

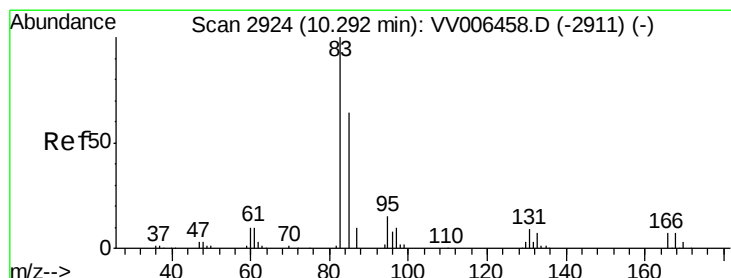
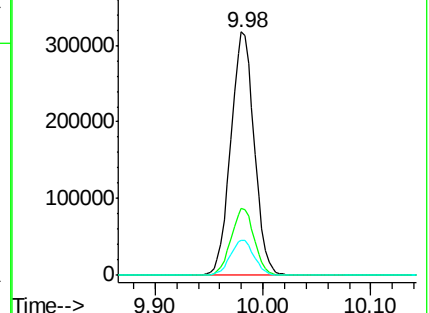
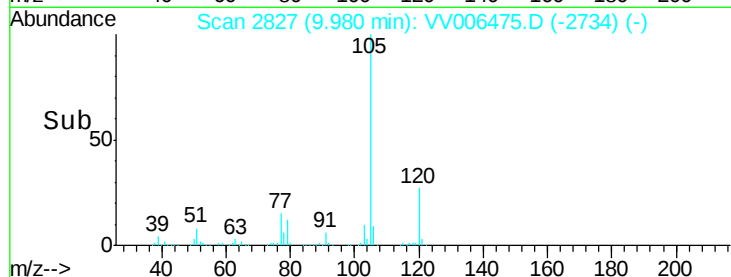
77 14.7 11.8 17.8



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: 4.800 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

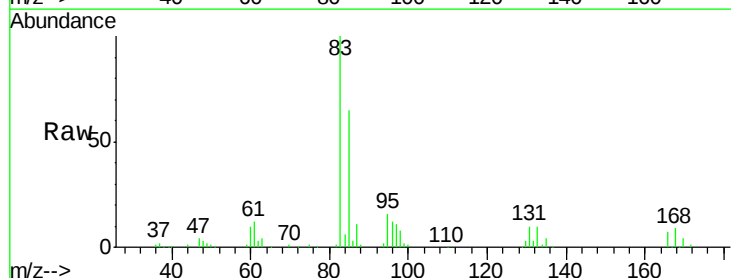
Tgt Ion: 83 Resp: 67375

Ion Ratio Lower Upper

83 100

85 64.7 44.8 83.2

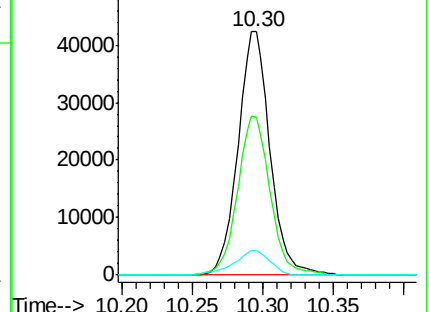
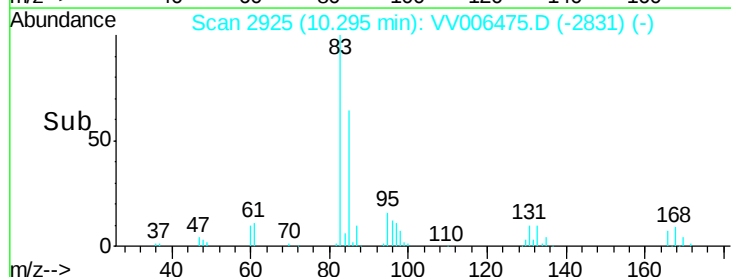
131 10.1 7.9 11.9

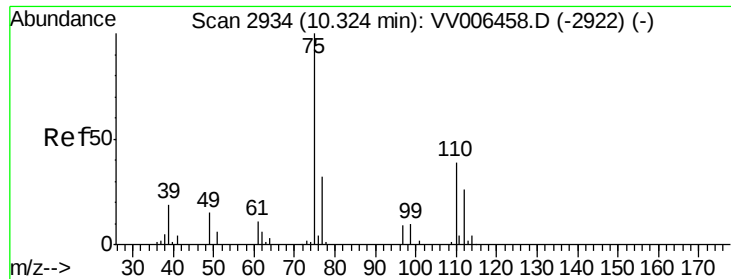


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.876 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

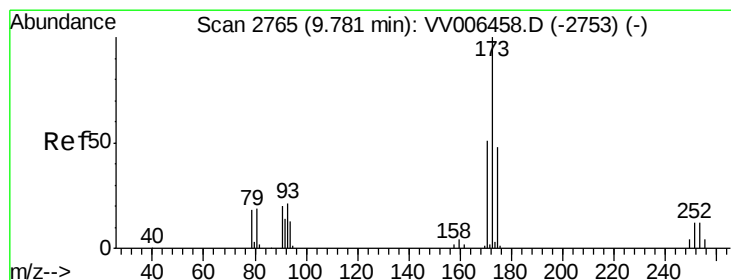
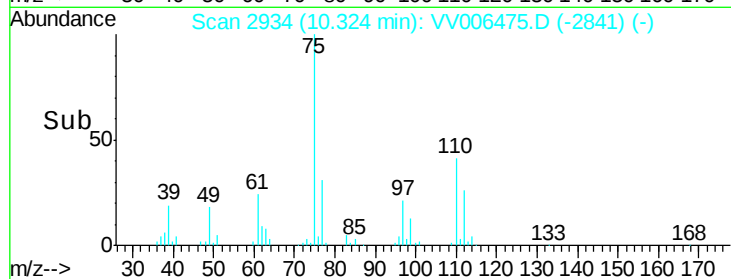
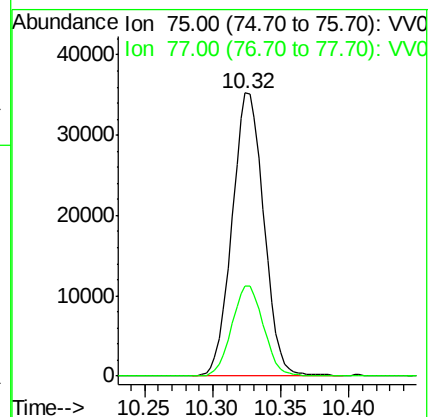
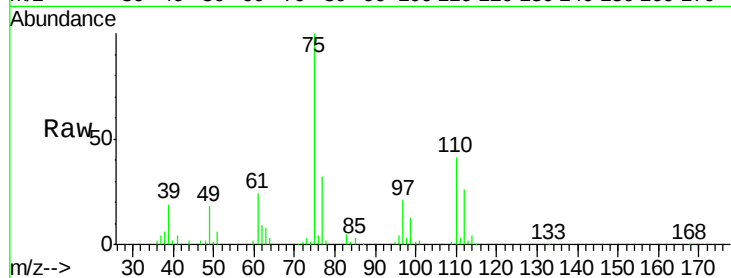
VSTD00563

Tgt Ion: 75 Resp: 57156

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



#61

Bromoform

Concen: 4.054 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

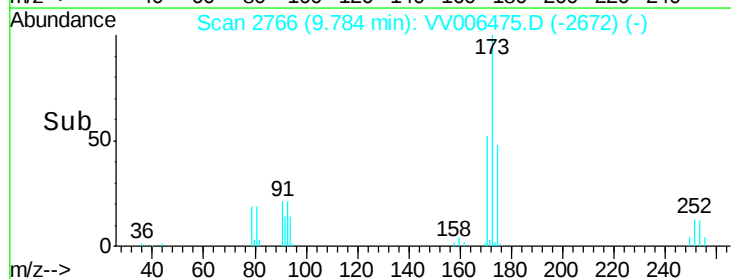
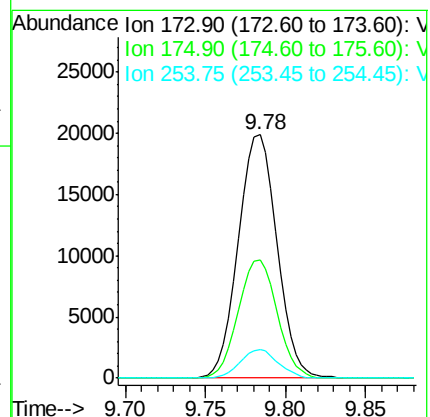
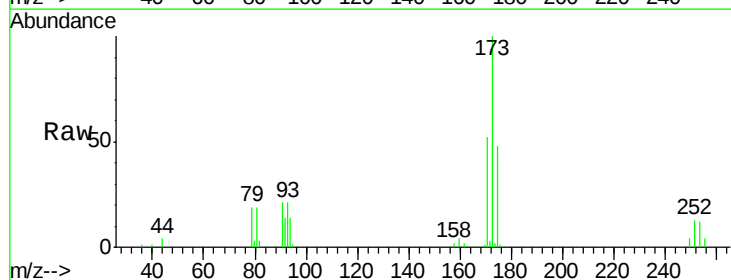
Tgt Ion: 173 Resp: 32776

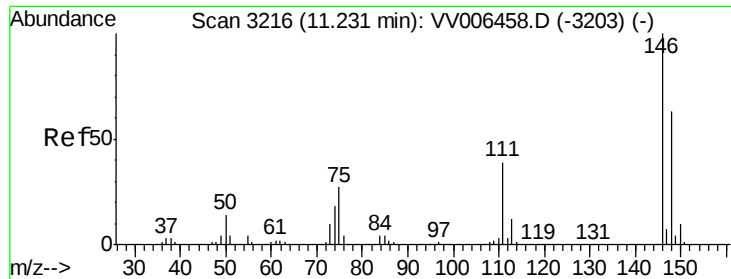
Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 11.2 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 4.729 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

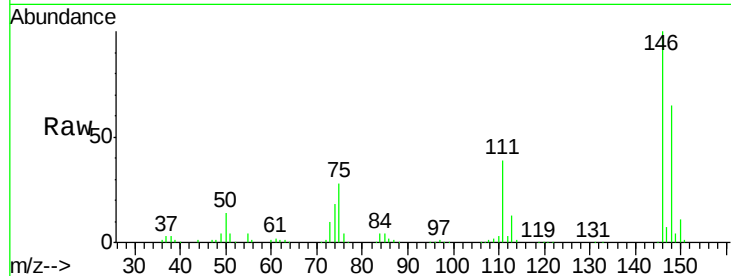
Tgt Ion:146 Resp: 224380

Ion Ratio Lower Upper

146 100

111 39.5 27.4 51.0

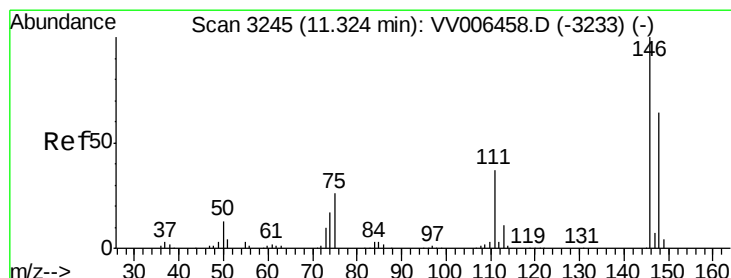
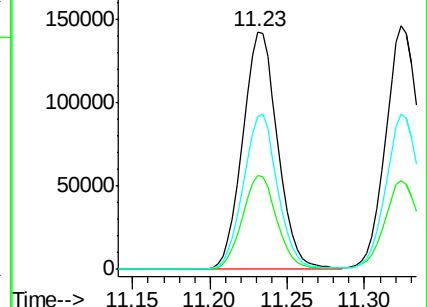
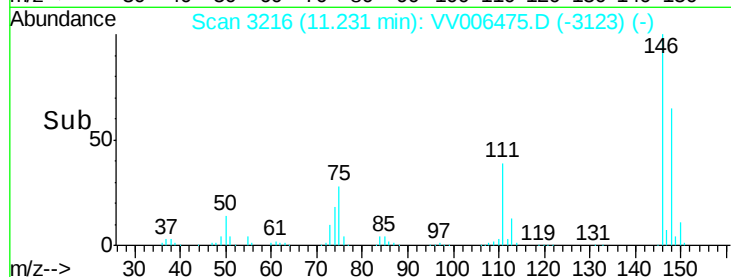
148 64.6 44.1 81.9



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: 4.781 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

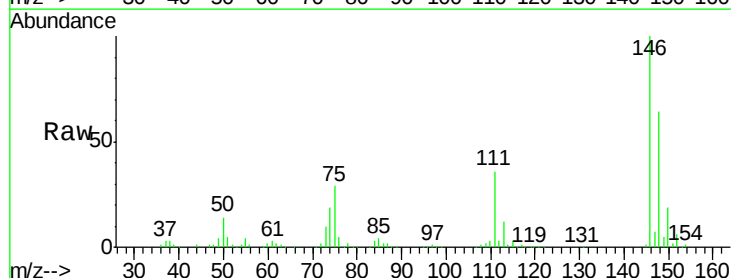
Tgt Ion:146 Resp: 226882

Ion Ratio Lower Upper

146 100

111 36.5 26.3 48.9

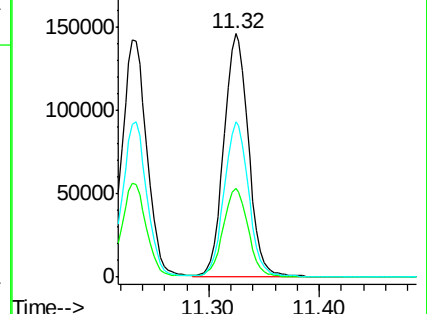
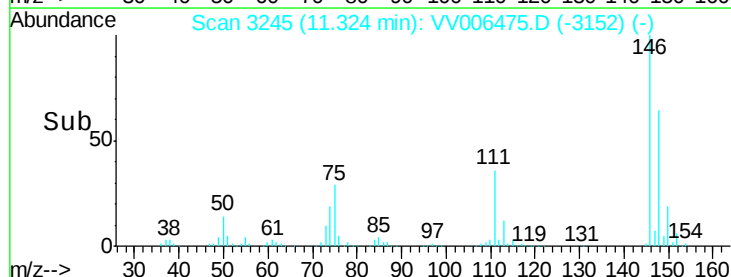
148 63.5 44.0 81.6

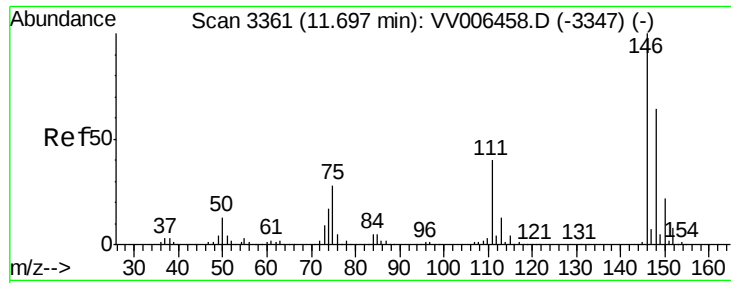


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.825 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

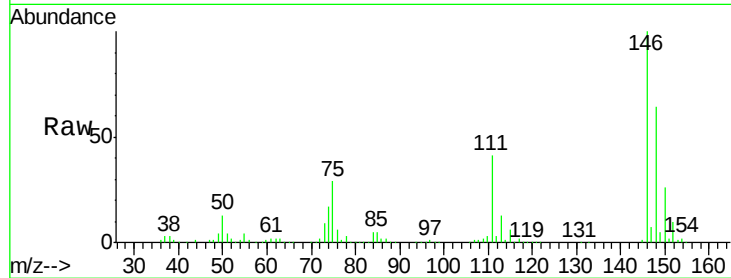
Tgt Ion:146 Resp: 214276

Ion Ratio Lower Upper

146 100

111 40.7 32.0 48.0

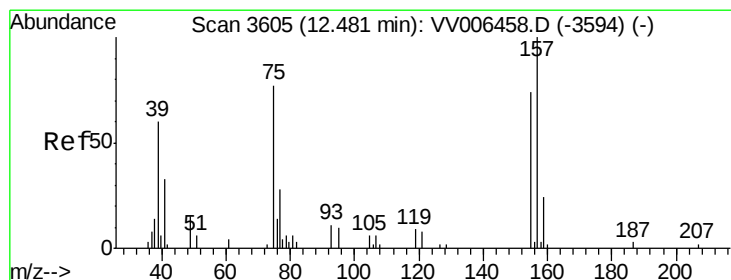
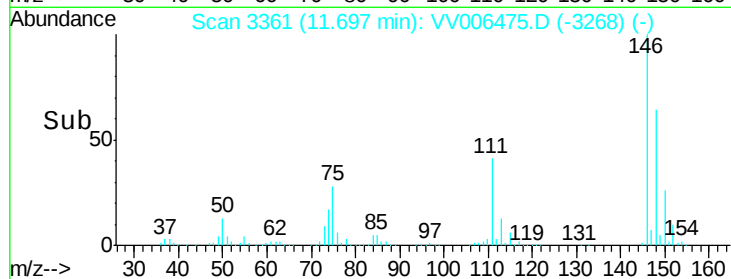
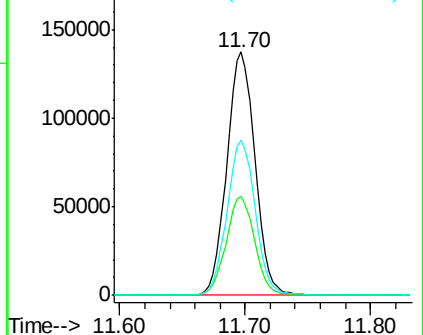
148 63.7 50.8 76.2



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: 4.272 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

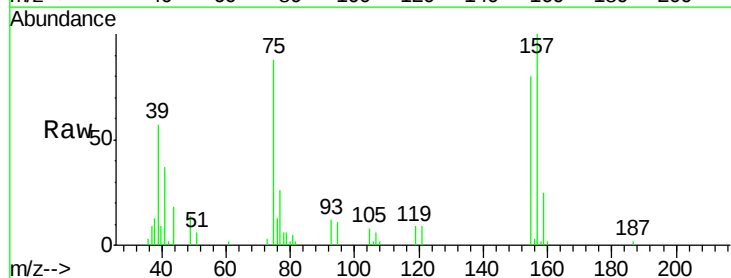
Tgt Ion: 75 Resp: 8062

Ion Ratio Lower Upper

75 100

155 91.5 73.9 110.9

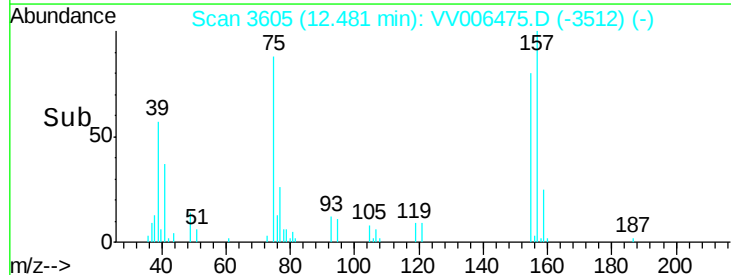
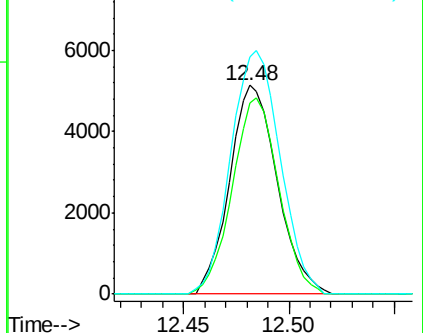
157 113.7 92.9 139.3

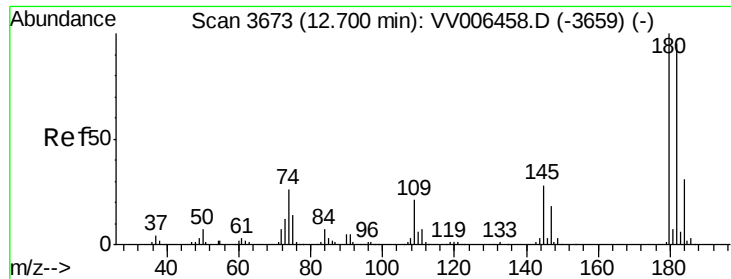


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

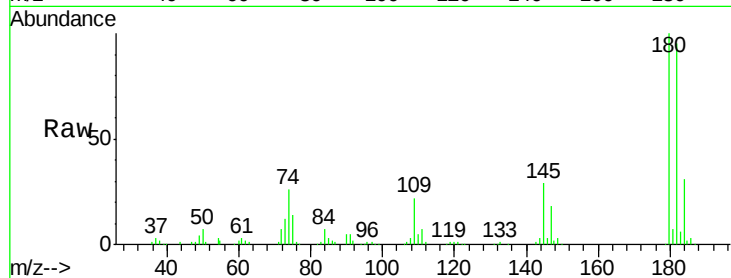




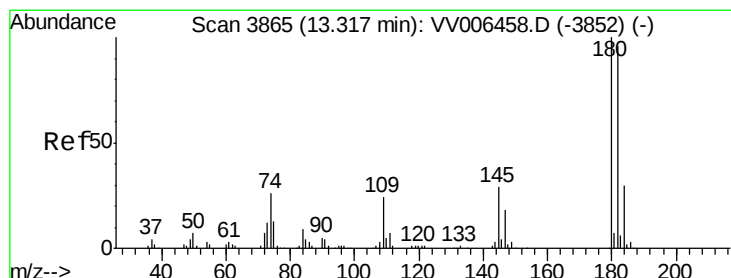
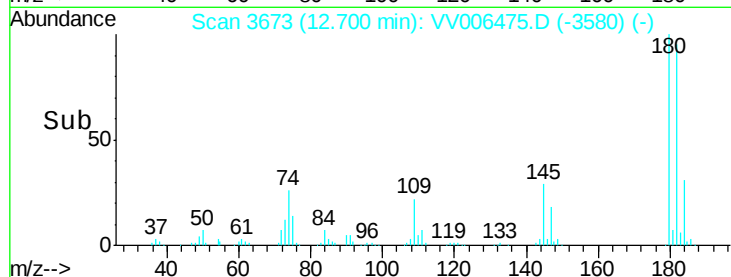
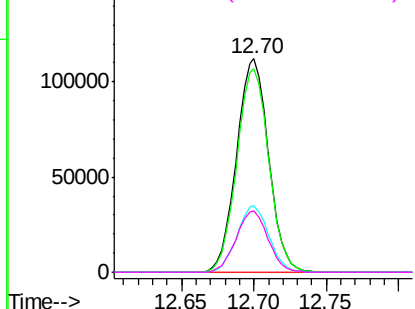
#67
 1,3,5-Trichlorobenzene
 Concen: 4.770 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006475.D
 Acq: 26 Jun 2018 18:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:180 Resp: 171980
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 115.0
 184 31.0 24.5 36.7
 145 28.6 22.6 34.0

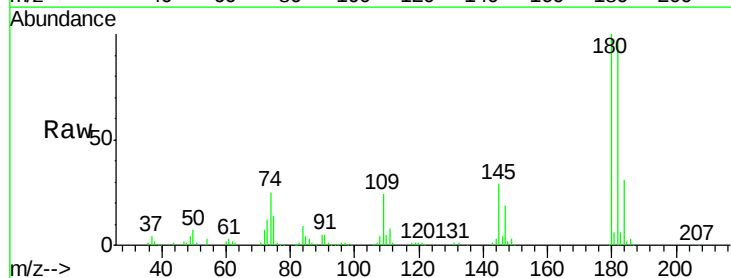


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

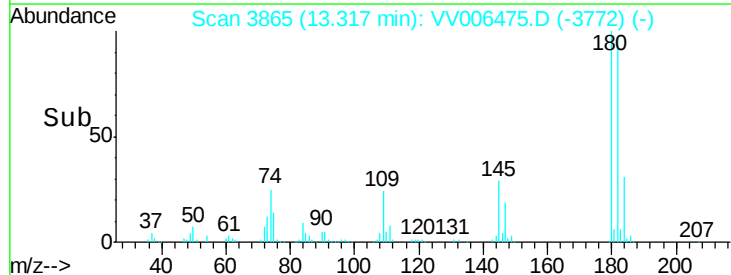
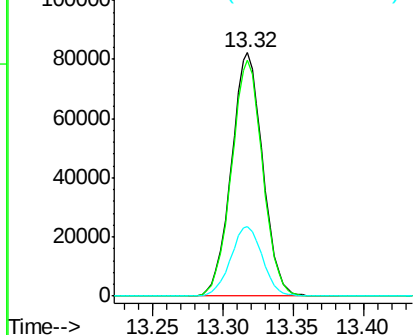


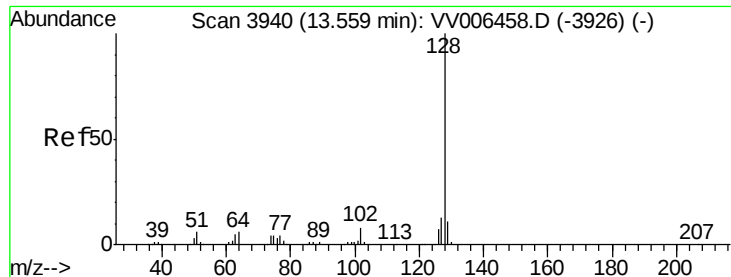
#68
 1,2,4-trichlorobenzene
 Concen: 4.832 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006475.D
 Acq: 26 Jun 2018 18:49

Tgt Ion:180 Resp: 127738
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.7 115.1
 145 28.9 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: 4.654 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

Instrument :

MSVOA_V

ClientSampleID :

VSTD00563

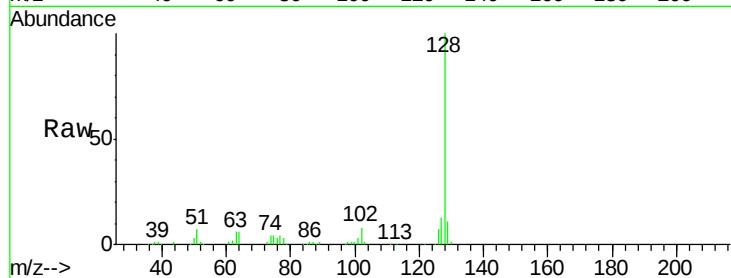
Tgt Ion:128 Resp: 179854

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

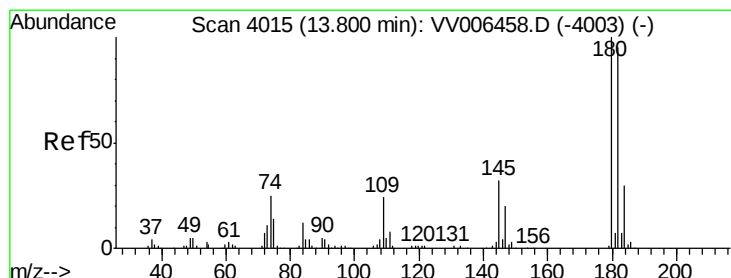
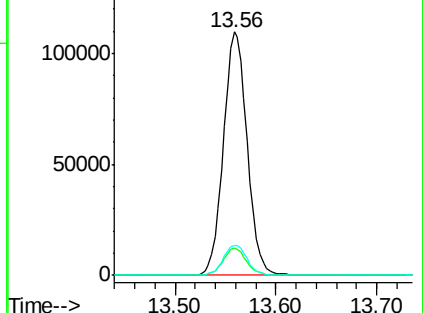
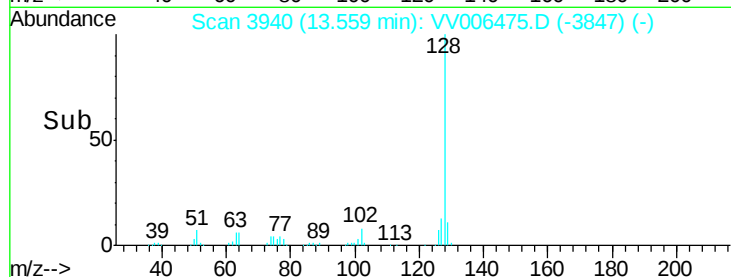
127 12.5 10.2 15.4



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: 4.837 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006475.D

Acq: 26 Jun 2018 18:49

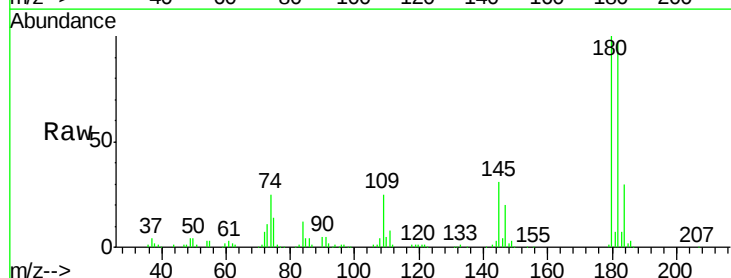
Tgt Ion:180 Resp: 119030

Ion Ratio Lower Upper

180 100

182 97.0 76.0 114.0

145 31.0 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

