

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070718\
 Data File : VV006553.D
 Acq On : 07 Jul 2018 09:13
 Operator : SY/MD
 Sample : VSTD00162
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

Quant Time: Jul 09 02:36:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 09 02:36:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	323377	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	290958	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	133390	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17617	0.86	ug/L	0.00
7) Chloroethane-d5	1.59	69	16131	0.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	33464	0.91	ug/L	0.00
20) 2-Butanone-d5	3.98	46	43333	10.62	ug/L	0.00
24) Chloroform-d	4.41	84	35351	0.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	16532	0.98	ug/L	0.00
32) Benzene-d6	5.11	84	66818	0.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	22031	0.98	ug/L	0.00
41) Toluene-d8	7.36	98	59077	0.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	6664	0.82	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	33964	10.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	16899	1.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	22750	0.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	24858	1.020 ug/L	98
3) Chloromethane	1.26	50	32035	1.249 ug/L	99
5) Vinyl chloride	1.32	62	29770	1.103 ug/L	95
6) Bromomethane	1.54	94	13792	0.917 ug/L	100
8) Chloroethane	1.60	64	18568	1.092 ug/L	99
9) Trichlorofluoromethane	1.77	101	33565	1.044 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	19603	0.968 ug/L	99
12) 1,1-Dichloroethene	2.15	96	20744	1.043 ug/L	90
13) Acetone	2.23	43	30453	12.249 ug/L	98
14) Carbon disulfide	2.32	76	58727	1.035 ug/L	99
15) Methyl Acetate	2.48	43	8884	1.213 ug/L	99
16) Methylene chloride	2.54	84	24522	1.059 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	49456	1.034 ug/L	98
18) trans-1,2-Dichloroethene	2.80	96	22612	1.043 ug/L	96
19) 1,1-Dichloroethane	3.23	63	39559	1.027 ug/L	99
21) 2-Butanone	4.07	43	47186	10.496 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	24442	1.030 ug/L	96
23) Bromochloromethane	4.31	128	9731	1.005 ug/L	97
25) Chloroform	4.44	83	39376	1.018 ug/L	100
27) 1,2-Dichloroethane	5.19	62	22693	1.045 ug/L	97
29) 1,1,1-Trichloroethane	4.67	97	30419	0.956 ug/L	99
30) Cyclohexane	4.73	56	30590	0.945 ug/L	100
31) Carbon tetrachloride	4.88	117	24723	0.924 ug/L	98
33) Benzene	5.15	78	89946	1.033 ug/L	100
34) Trichloroethene	5.97	95	22548	0.920 ug/L	95
35) Methylcyclohexane	6.18	83	31816	0.875 ug/L	97
37) 1,2-Dichloropropane	6.23	63	22243	1.048 ug/L	100
38) Bromodichloromethane	6.57	83	23843	0.980 ug/L	95
39) cis-1,3-Dichloropropene	7.08	75	26683	0.908 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	108253	10.379 ug/L	99

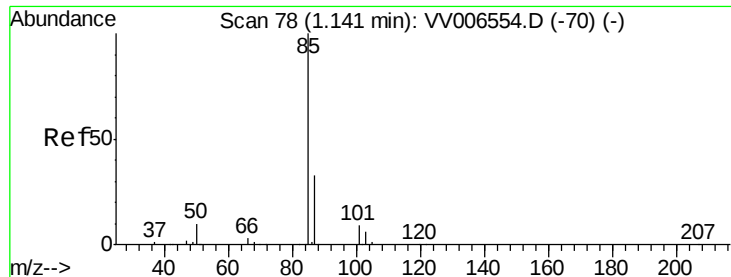
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	89739	0.975	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	20429	0.890	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	15147	1.030	ug/L	98
47) Tetrachloroethene	8.03	164	17830	0.947	ug/L	95
48) 2-Hexanone	8.20	43	77419	10.331	ug/L	99
49) Dibromochloromethane	8.30	129	14959	0.960	ug/L	100
50) 1,2-Dibromoethane	8.40	107	14083	1.066	ug/L	98
51) Chlorobenzene	8.93	112	58998	0.972	ug/L	98
52) Ethylbenzene	9.06	91	89708	0.903	ug/L	98
53) m,p-xylene	9.19	106	34008	0.886	ug/L	97
54) o-xylene	9.59	106	33573	0.894	ug/L	95
55) Styrene	9.61	104	55593	0.901	ug/L	99
56) Isopropylbenzene	9.98	105	84553	0.865	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	18236	1.257	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	12926	1.102	ug/L	94
61) Bromoform	9.78	173	7429	0.984	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	41731	0.951	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	42917	0.973	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	41191	0.995	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	2281	1.238	ug/L	83
67) 1,3,5-Trichlorobenzene	12.70	180	31905	0.946	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	24627	0.988	ug/L	99
69) Naphthalene	13.56	128	40479	1.078	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	23512	1.008	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.020 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

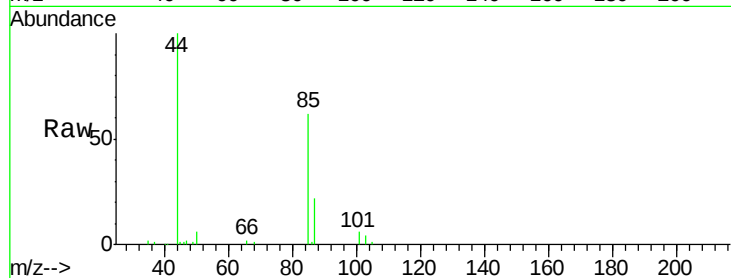
VSTD00162

Tgt Ion: 85 Resp: 24858

Ion Ratio Lower Upper

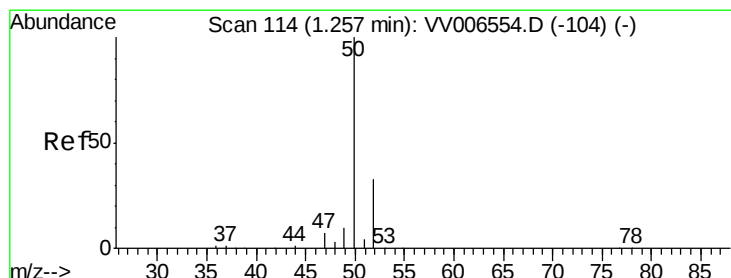
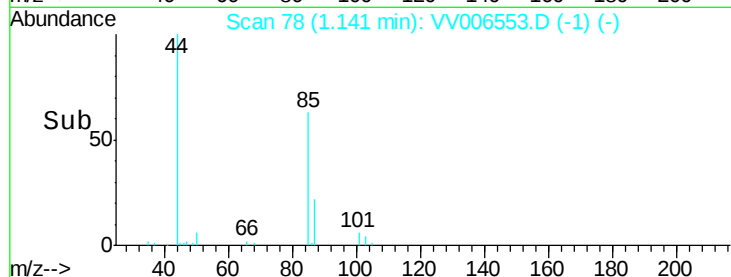
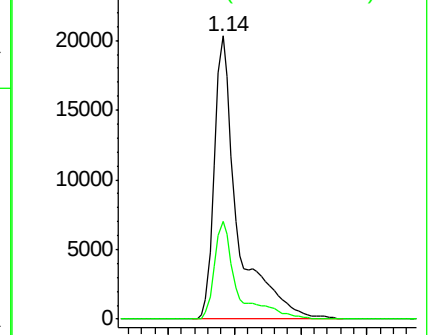
85 100

87 33.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.249 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006553.D

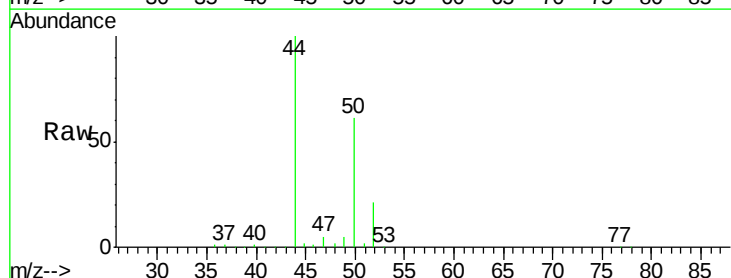
Acq: 07 Jul 2018 09:13

Tgt Ion: 50 Resp: 32035

Ion Ratio Lower Upper

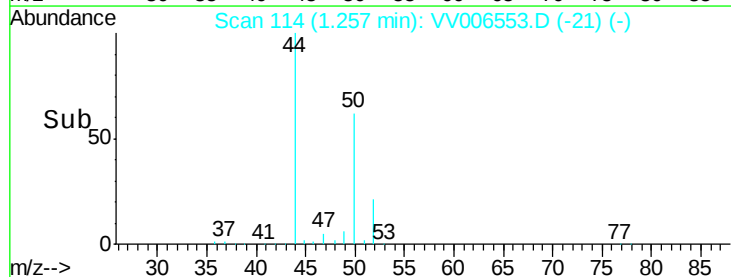
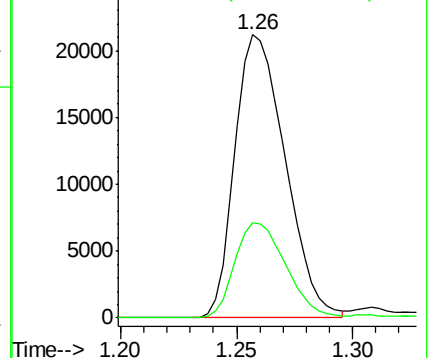
50 100

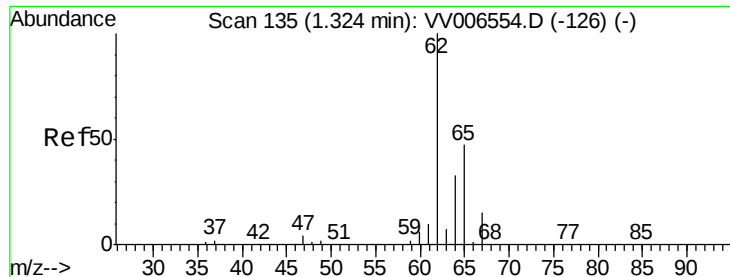
52 33.5 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 1.103 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

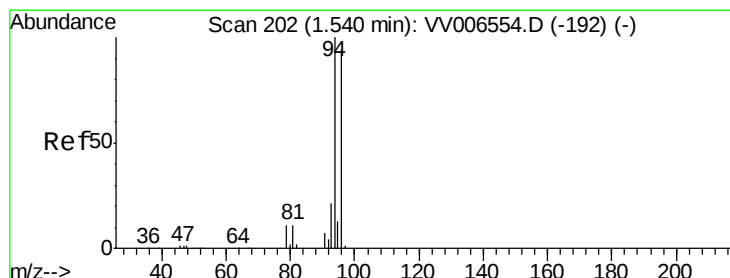
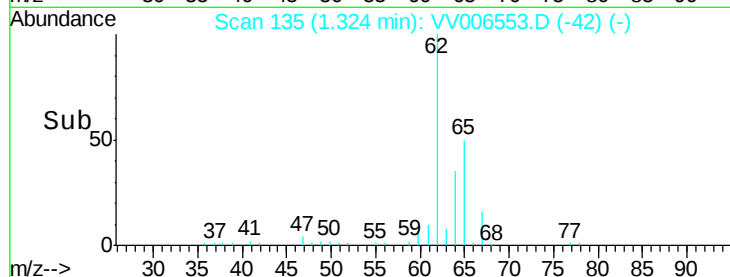
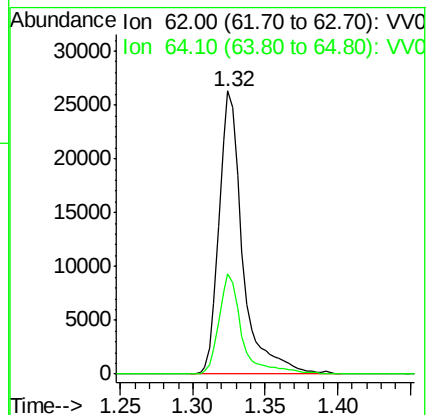
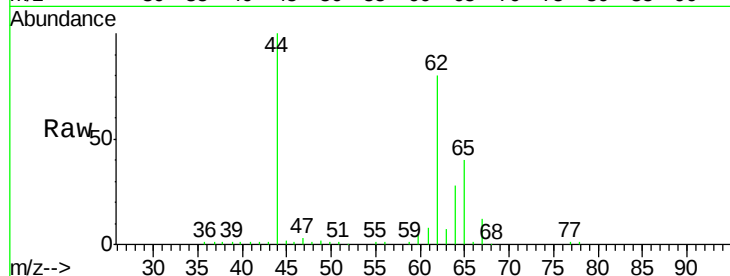
VSTD00162

Tgt Ion: 62 Resp: 29770

Ion Ratio Lower Upper

62 100

64 35.4 23.0 42.6



#6

Bromomethane

Concen: 0.917 ug/L

RT: 1.54 min Scan# 202

Delta R.T. -0.00 min

Lab File: VV006553.D

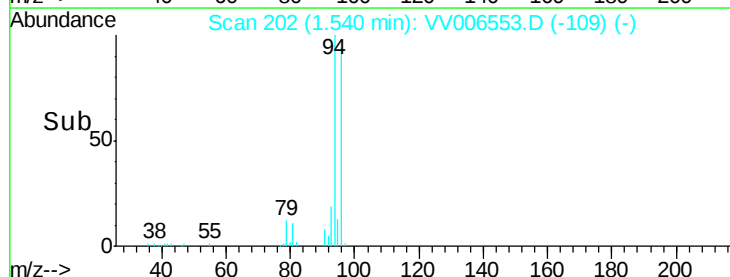
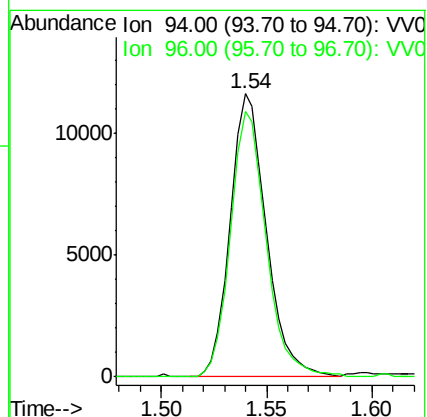
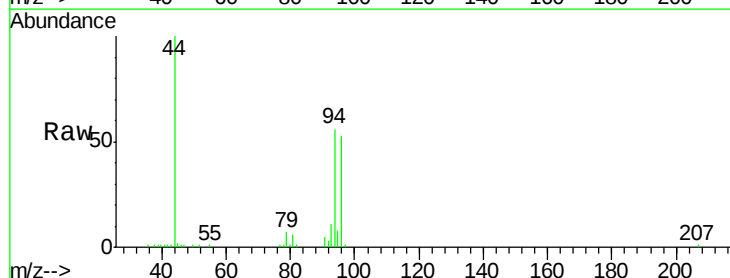
Acq: 07 Jul 2018 09:13

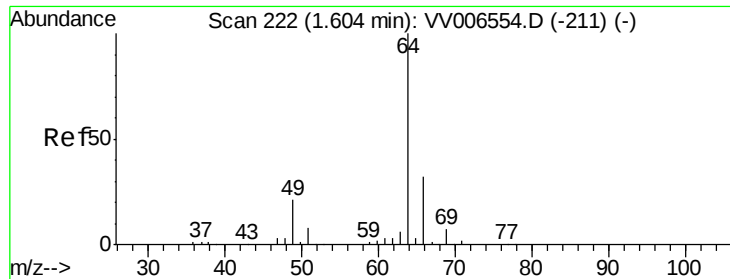
Tgt Ion: 94 Resp: 13792

Ion Ratio Lower Upper

94 100

96 93.6 65.7 122.1





#8

Chloroethane

Concen: 1.092 ug/L

RT: 1.60 min Scan# 222

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

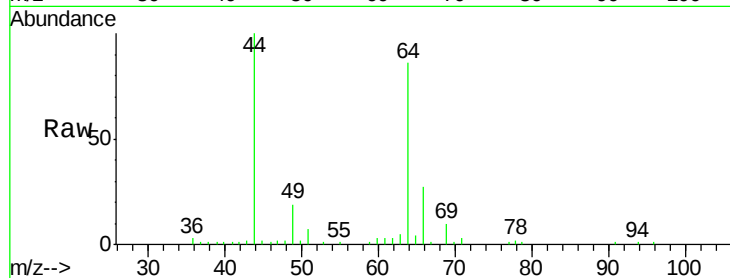
VSTD00162

Tgt Ion: 64 Resp: 18568

Ion Ratio Lower Upper

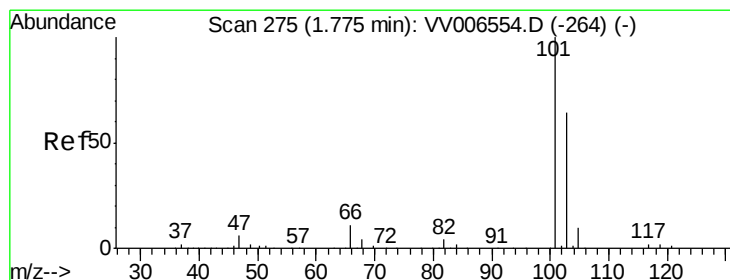
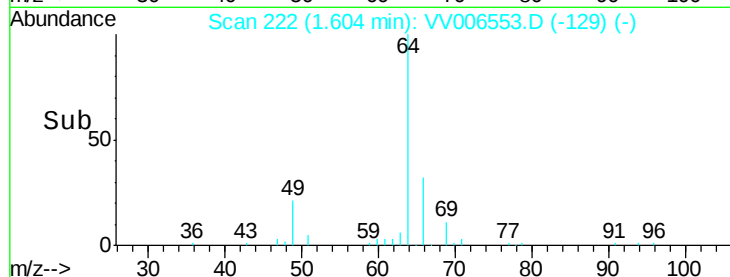
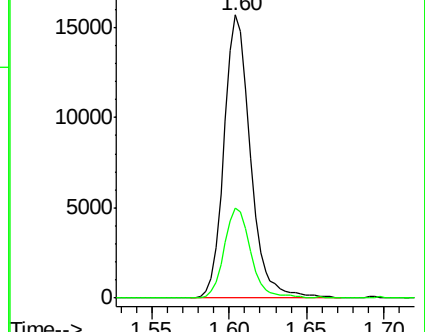
64 100

66 31.6 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006553.D (-129) (-)

Ion 66.05 (65.75 to 66.75): VV006553.D (-129) (-)



#9

Trichlorofluoromethane

Concen: 1.044 ug/L

RT: 1.77 min Scan# 275

Delta R.T. -0.00 min

Lab File: VV006553.D

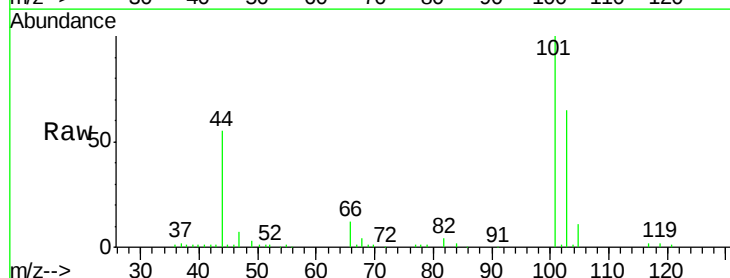
Acq: 07 Jul 2018 09:13

Tgt Ion: 101 Resp: 33565

Ion Ratio Lower Upper

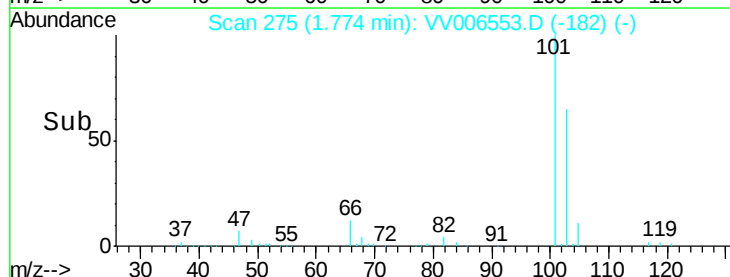
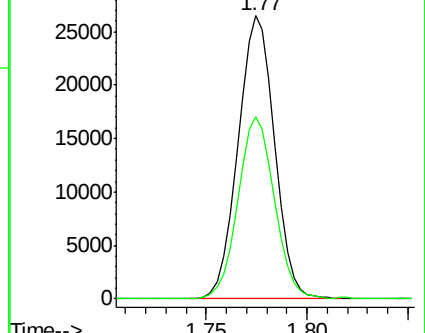
101 100

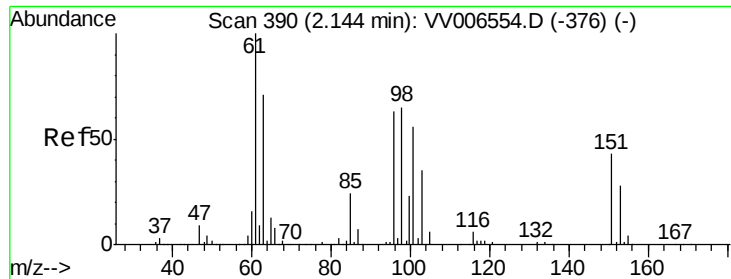
103 64.3 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006553.D (-182) (-)

Ion 103.00 (102.70 to 103.70): VV006553.D (-182) (-)





#10

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

Concen: 0.968 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00162

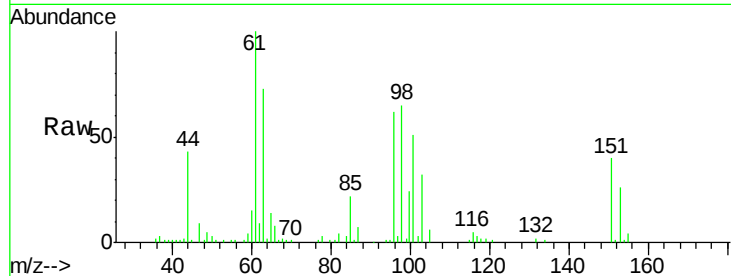
Tgt Ion: 101 Resp: 19603

Ion Ratio Lower Upper

101 100

85 42.5 33.1 49.7

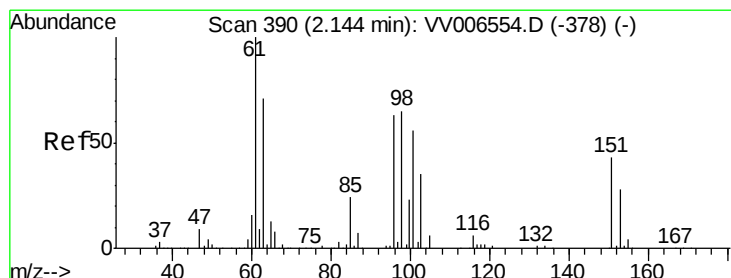
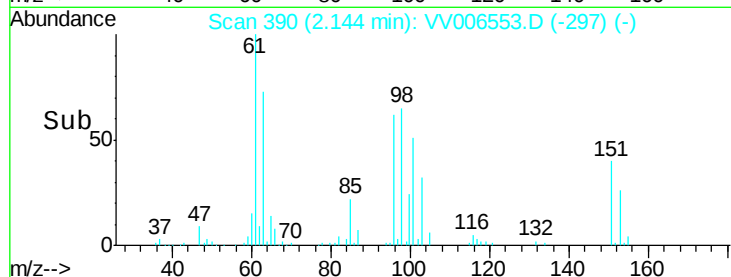
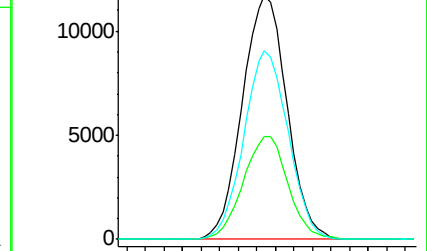
151 76.8 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): VV006553.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VV006553.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VV006553.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 1.043 ug/L

RT: 2.15 min Scan# 391

Delta R.T. 0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

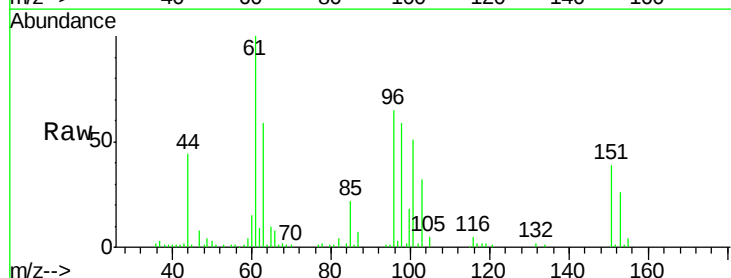
Tgt Ion: 96 Resp: 20744

Ion Ratio Lower Upper

96 100

61 154.0 110.7 205.7

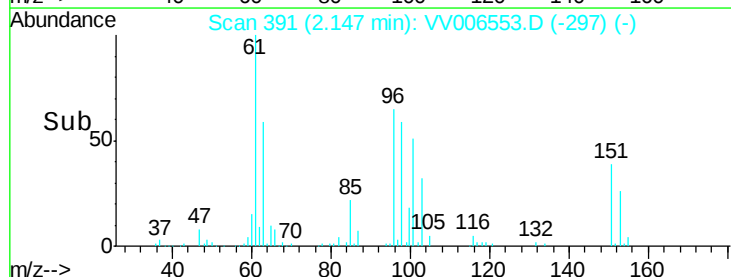
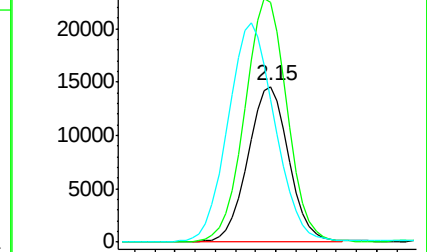
63 91.6 79.0 146.8

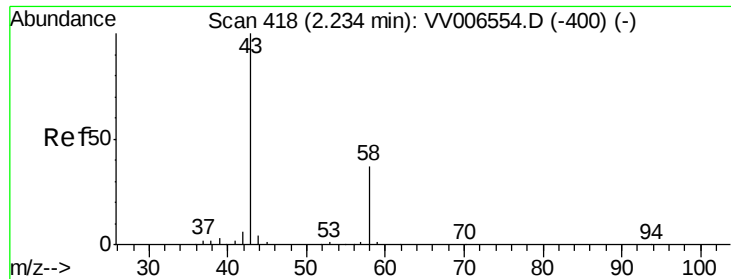


Abundance Ion 96.00 (95.70 to 96.70): VV006553.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006553.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006553.D (-297) (-)





#13

Acetone

Concen: 12.249 ug/L

RT: 2.23 min Scan# 417

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

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ClientSampleId :

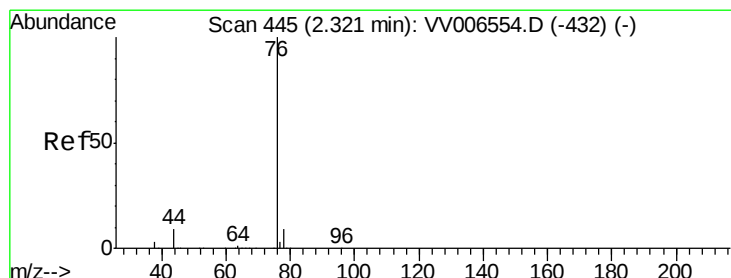
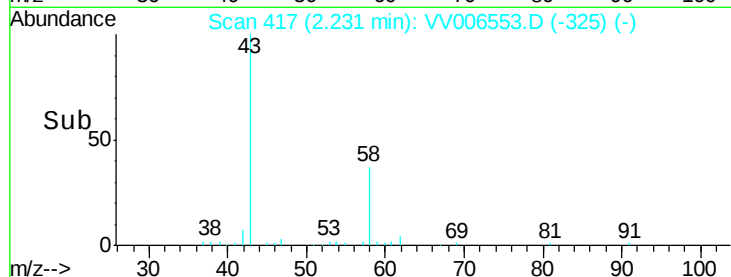
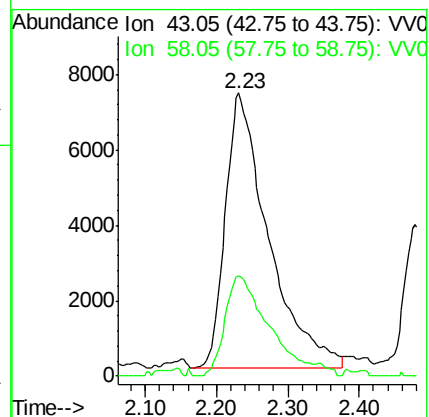
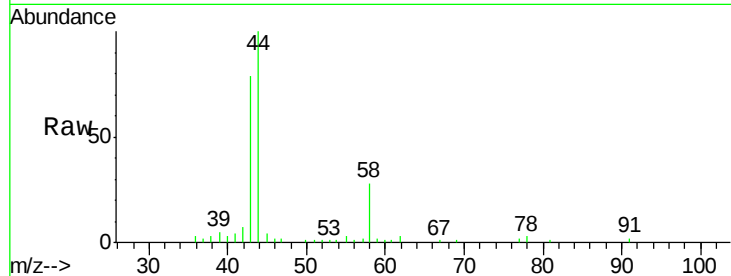
VSTD00162

Tgt Ion: 43 Resp: 30453

Ion Ratio Lower Upper

43 100

58 36.9 0.0 76.2



#14

Carbon disulfide

Concen: 1.035 ug/L

RT: 2.32 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV006553.D

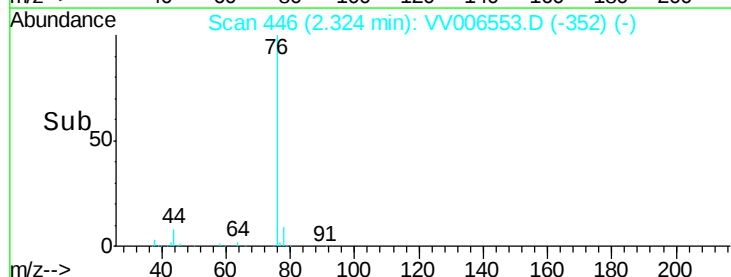
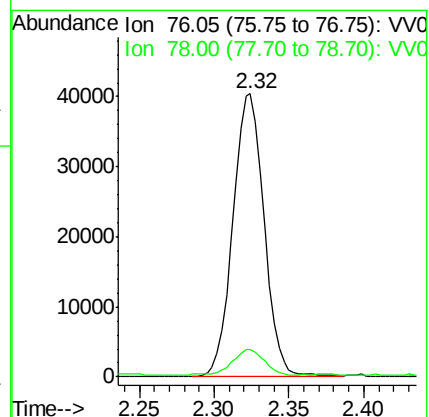
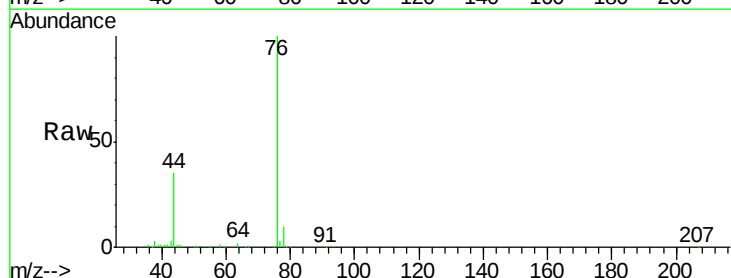
Acq: 07 Jul 2018 09:13

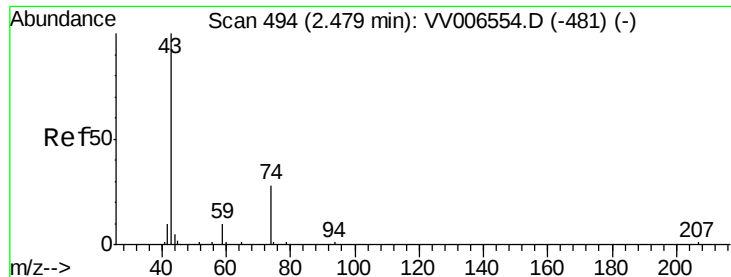
Tgt Ion: 76 Resp: 58727

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2





#15

Methyl Acetate

Concen: 1.213 ug/L

RT: 2.48 min Scan# 494

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

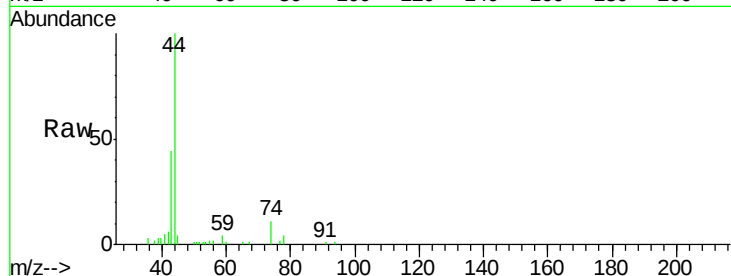
VSTD00162

Tgt Ion: 43 Resp: 8884

Ion Ratio Lower Upper

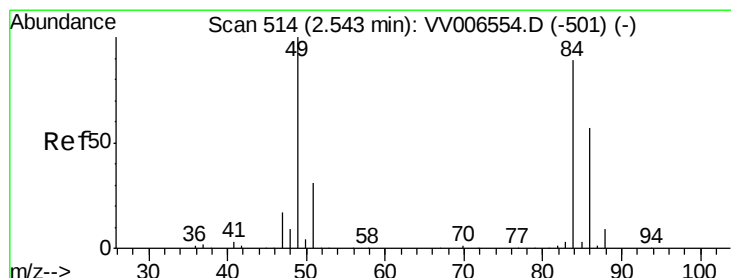
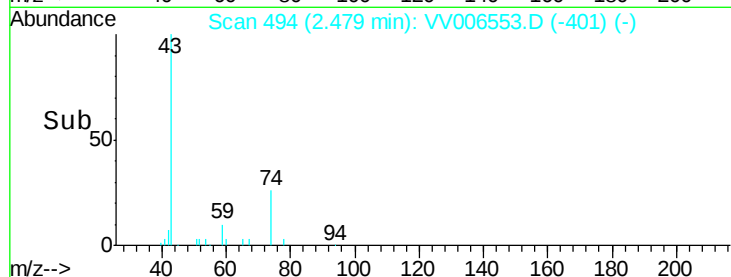
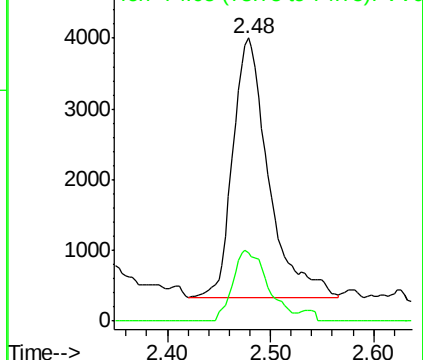
43 100

74 26.7 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.059 ug/L

RT: 2.54 min Scan# 514

Delta R.T. 0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

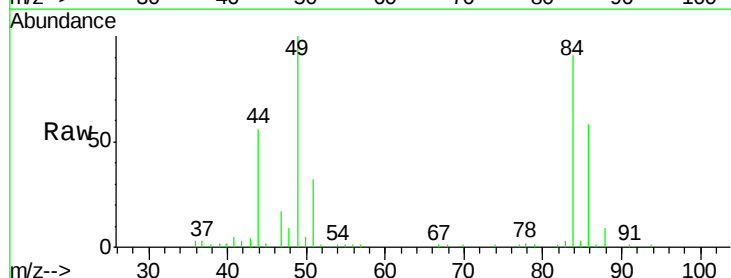
Tgt Ion: 84 Resp: 24522

Ion Ratio Lower Upper

84 100

86 64.3 44.7 82.9

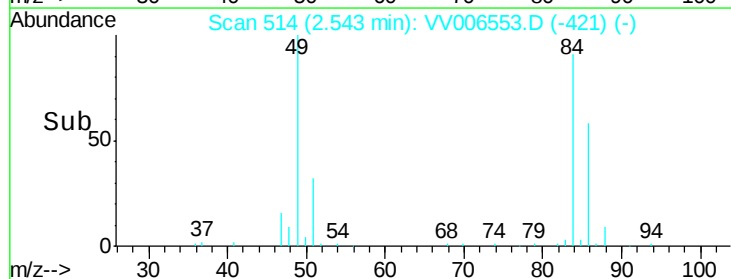
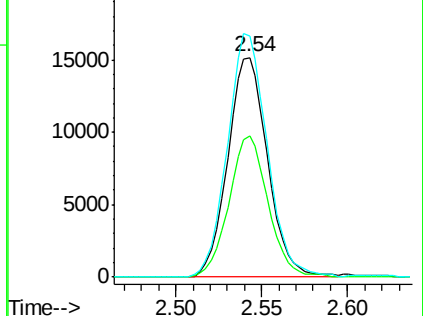
49 110.2 78.7 146.1

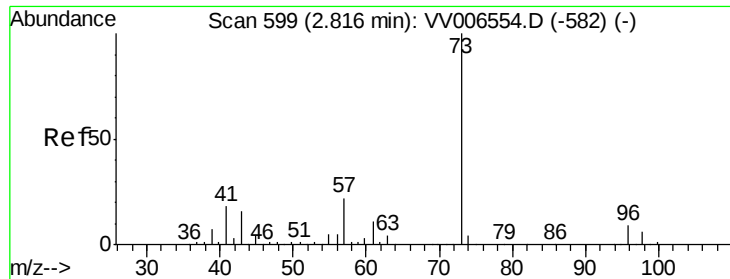


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

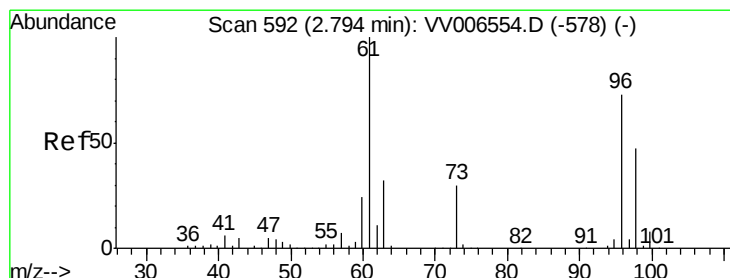
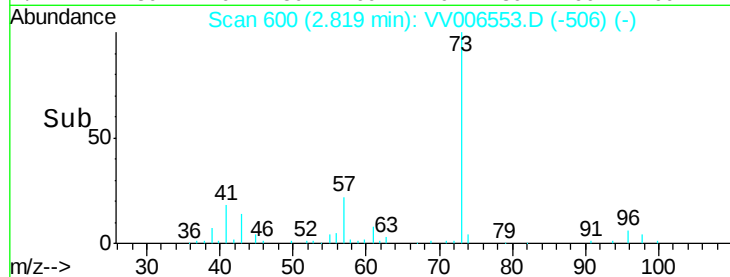
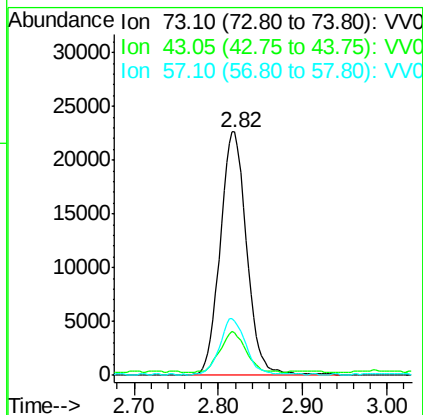
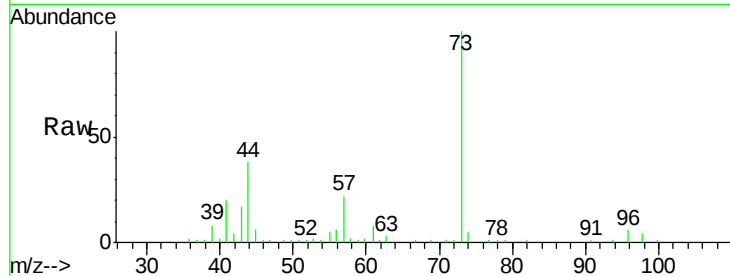




#17
Methyl tert-butyl Ether
Concen: 1.034 ug/L
RT: 2.82 min Scan# 600
Delta R.T. 0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

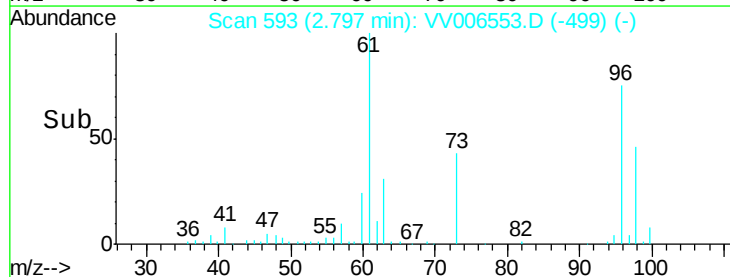
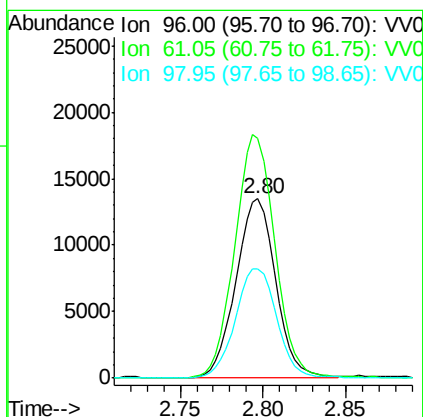
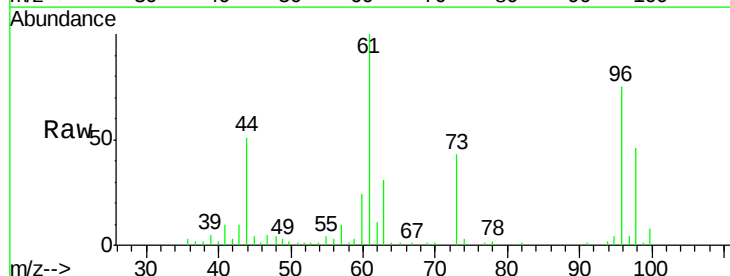
Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

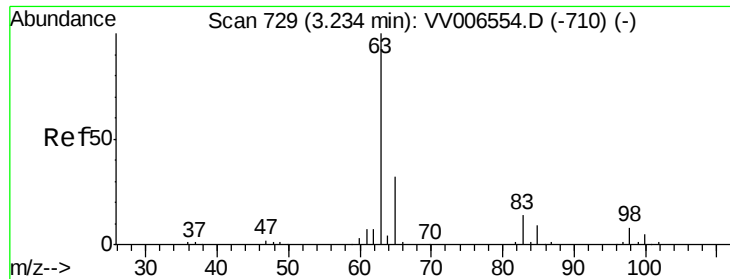
Tgt Ion: 73 Resp: 49456
Ion Ratio Lower Upper
73 100
43 16.2 12.5 18.7
57 23.0 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 1.043 ug/L
RT: 2.80 min Scan# 593
Delta R.T. 0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

Tgt Ion: 96 Resp: 22612
Ion Ratio Lower Upper
96 100
61 133.6 96.5 179.3
98 61.1 45.1 83.7

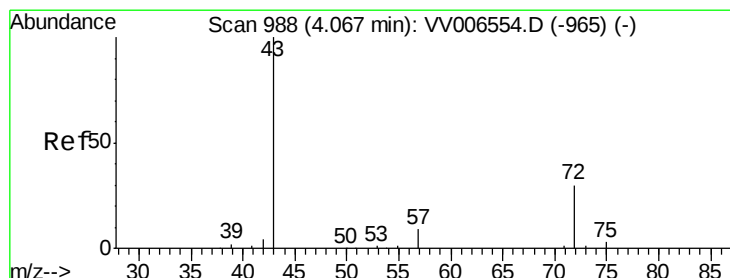
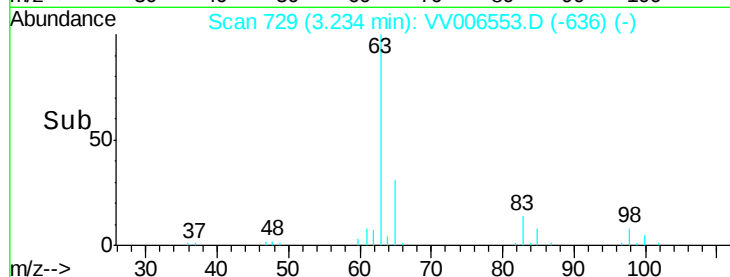
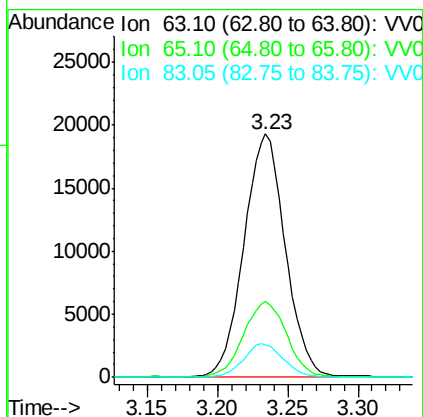
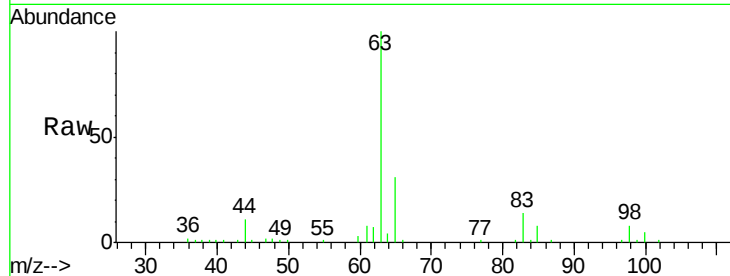




#19
 1,1-Dichloroethane
 Concen: 1.027 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

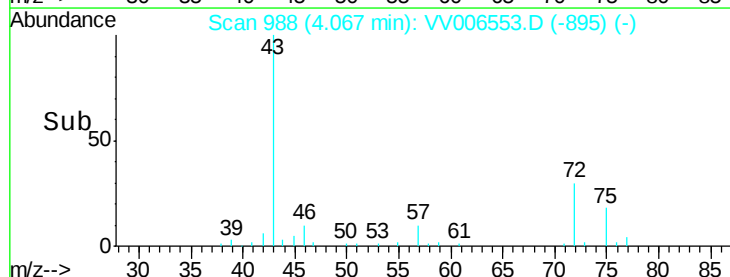
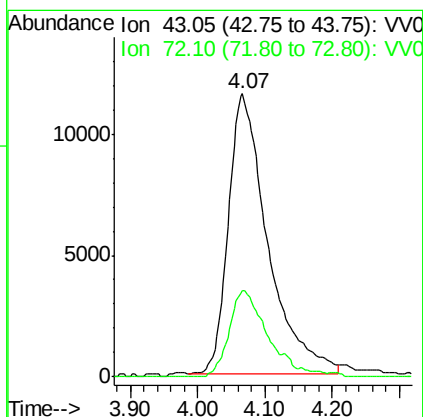
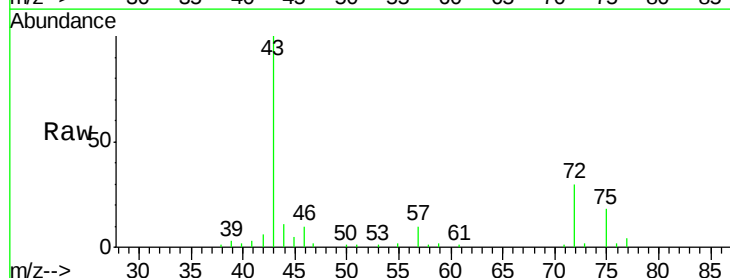
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

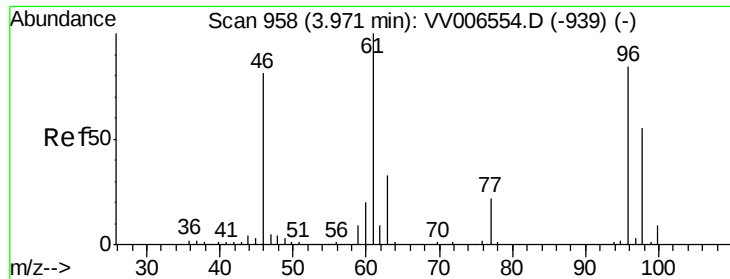
Tgt Ion: 63 Resp: 39559
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.0 41.0
 83 13.6 9.5 17.7



#21
 2-Butanone
 Concen: 10.496 ug/L
 RT: 4.07 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

Tgt Ion: 43 Resp: 47186
 Ion Ratio Lower Upper
 43 100
 72 28.9 15.1 45.3



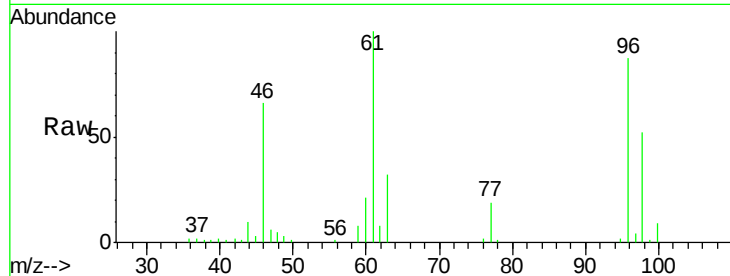


#22

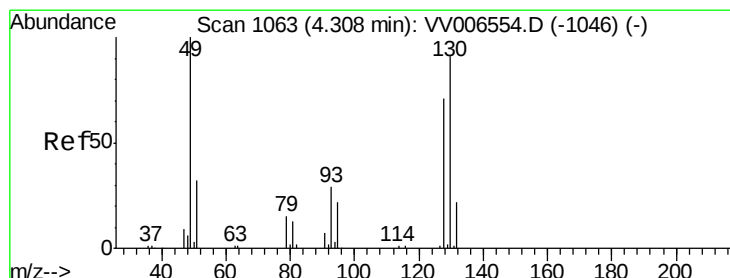
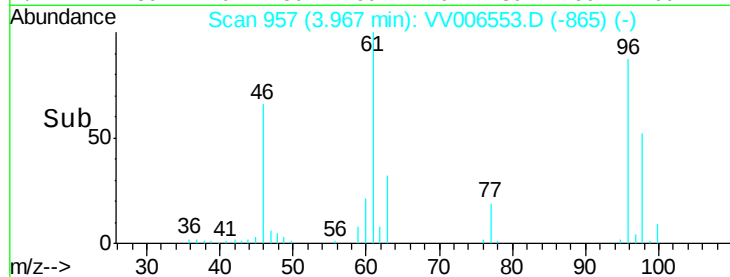
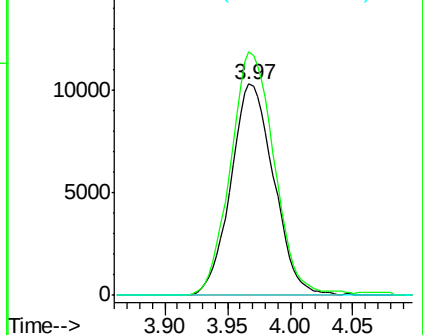
cis-1,2-Dichloroethene
Concen: 1.030 ug/L
RT: 3.97 min Scan# 957
Delta R.T. -0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

Tgt Ion: 96 Resp: 24442
Ion Ratio Lower Upper
96 100
61 115.2 83.8 155.6
68 0.0 0.0 0.0



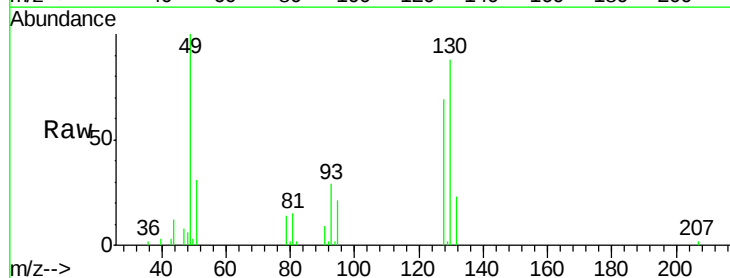
Abundance Ion 96.00 (95.70 to 96.70): VV006553.D (-970) (-)
Ion 61.05 (60.75 to 61.75): VV006553.D (-970) (-)
Ion 68.15 (67.85 to 68.85): VV006553.D (-970) (-)



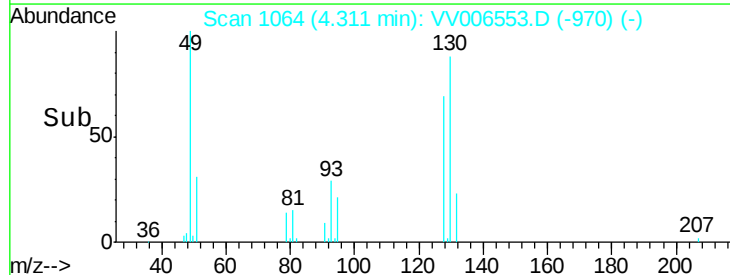
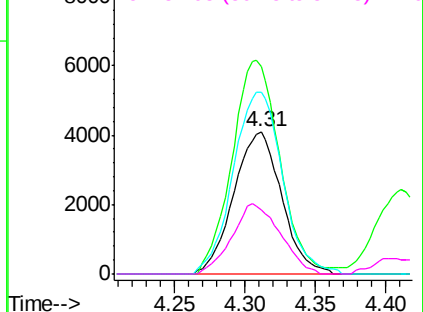
#23

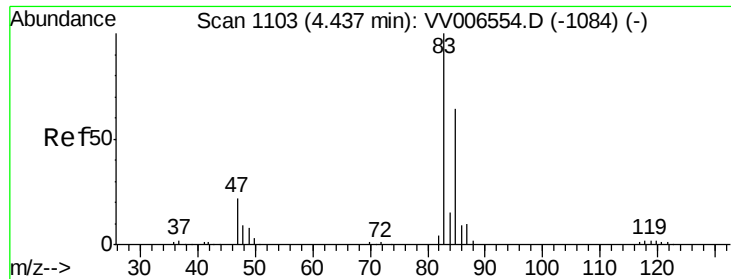
Bromochloromethane
Concen: 1.005 ug/L
RT: 4.31 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

Tgt Ion: 128 Resp: 9731
Ion Ratio Lower Upper
128 100
49 149.5 98.8 183.4
130 127.6 89.5 166.1
51 44.8 36.2 54.2



Abundance Ion 127.90 (127.60 to 128.60): VV006553.D (-970) (-)
Ion 49.10 (48.80 to 49.80): VV006553.D (-970) (-)
Ion 129.95 (129.65 to 130.65): VV006553.D (-970) (-)
Ion 51.05 (50.75 to 51.75): VV006553.D (-970) (-)

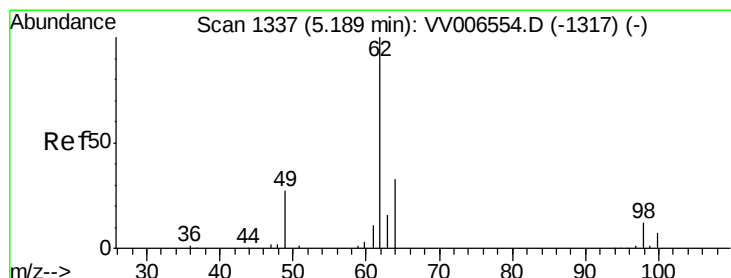
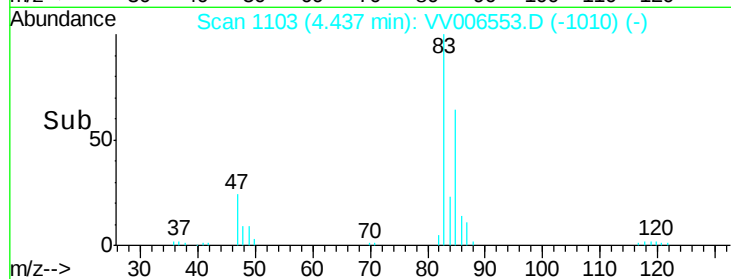
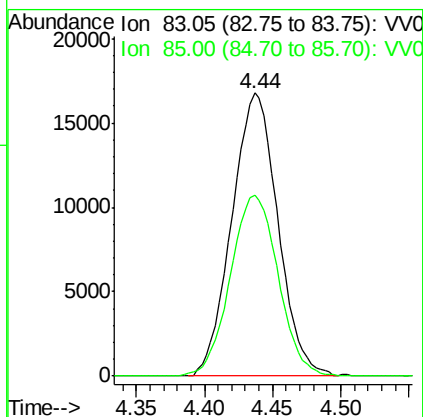
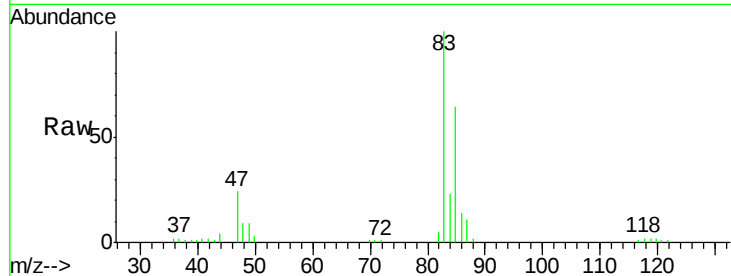




#25
Chloroform
Concen: 1.018 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

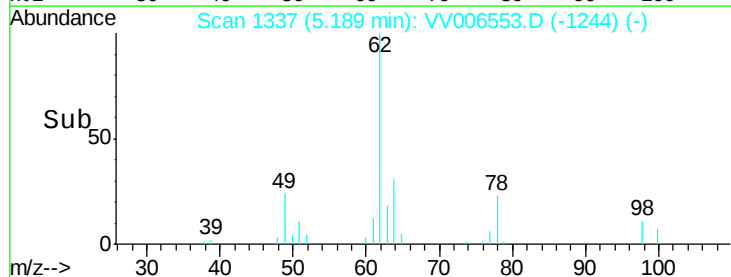
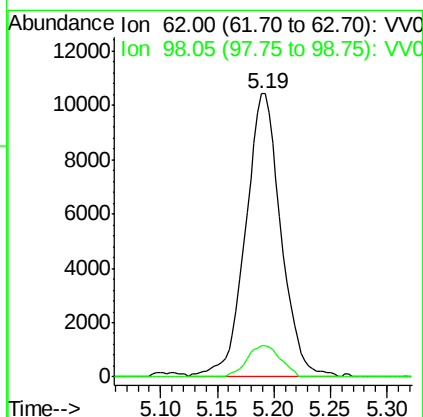
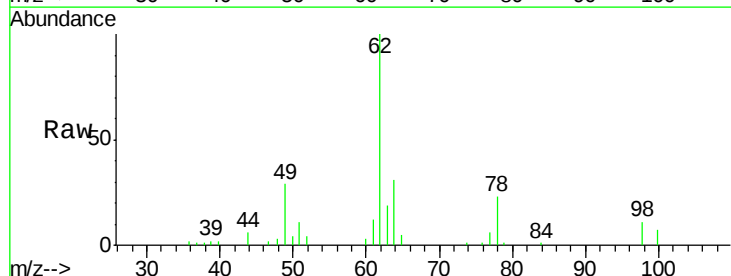
Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

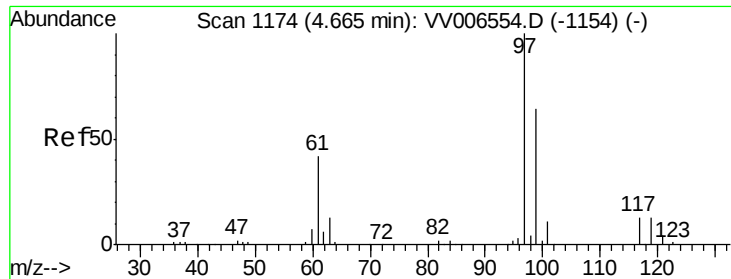
Tgt Ion: 83 Resp: 39376
Ion Ratio Lower Upper
83 100
85 63.8 44.8 83.2



#27
1,2-Dichloroethane
Concen: 1.045 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

Tgt Ion: 62 Resp: 22693
Ion Ratio Lower Upper
62 100
98 10.9 9.5 14.3

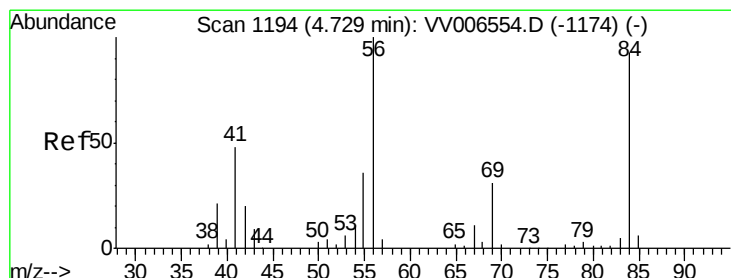
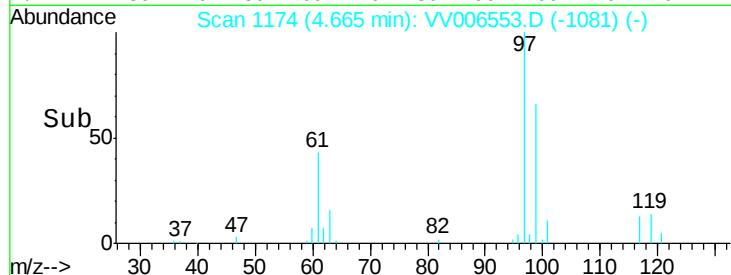
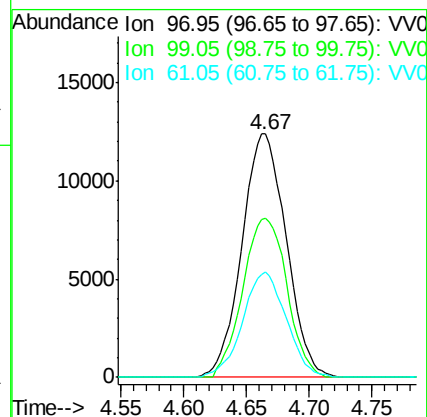
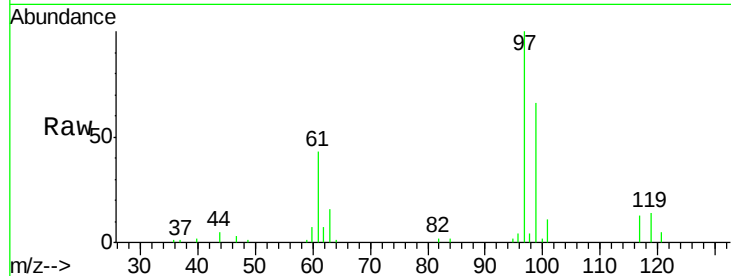




#29
 1,1,1-Trichloroethane
 Concen: 0.956 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

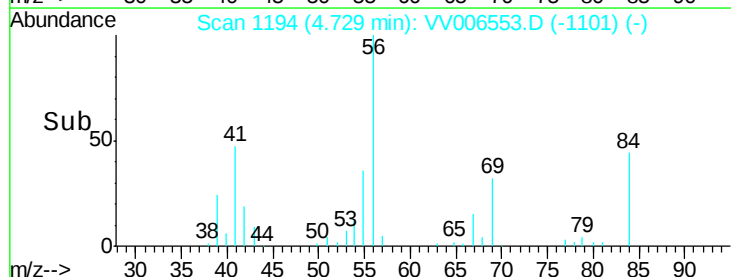
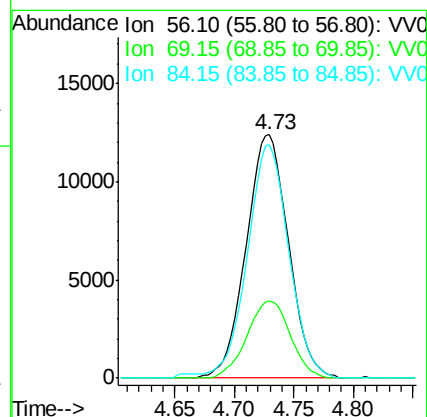
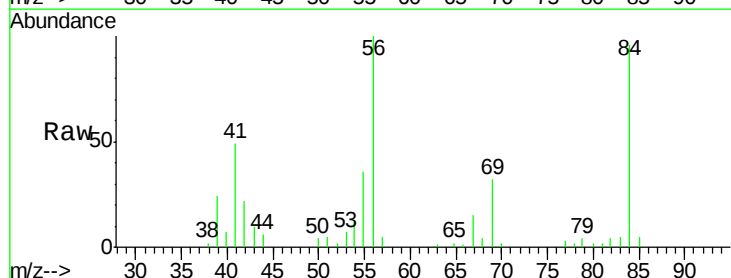
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

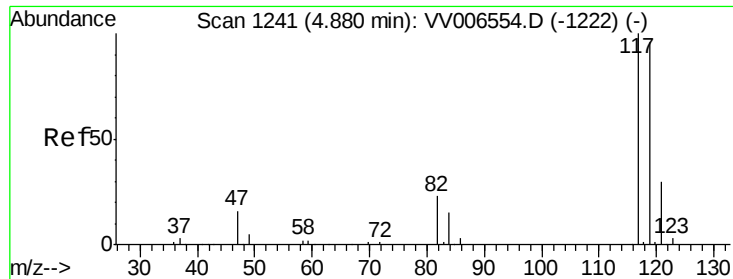
Tgt Ion: 97 Resp: 30419
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.2 76.8
 61 42.7 33.7 50.5



#30
 Cyclohexane
 Concen: 0.945 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

Tgt Ion: 56 Resp: 30590
 Ion Ratio Lower Upper
 56 100
 69 32.3 25.5 38.3
 84 93.8 74.7 112.1





#31

Carbon tetrachloride

Concen: 0.924 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

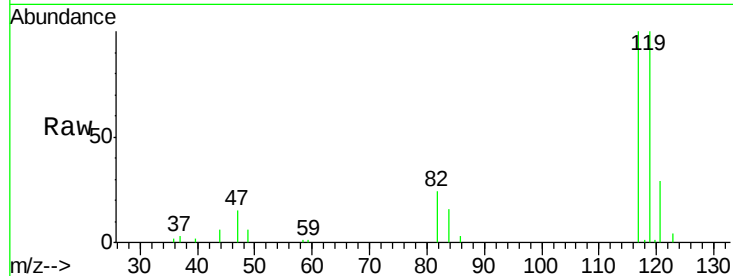
VSTD00162

Tgt Ion:117 Resp: 24723

Ion Ratio Lower Upper

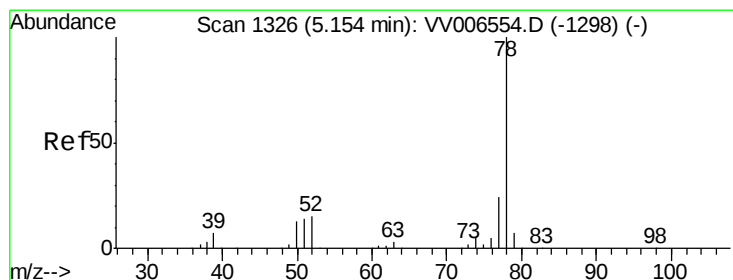
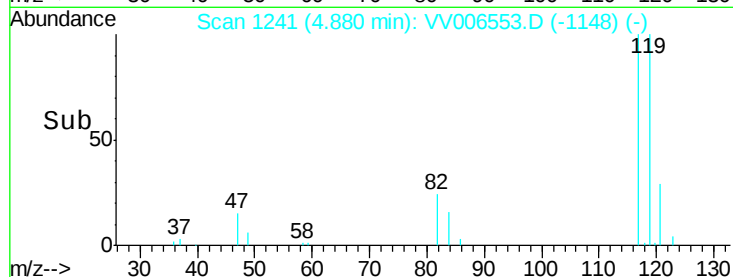
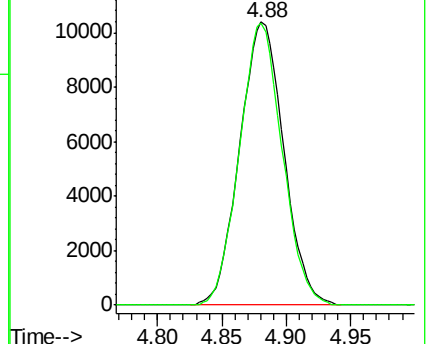
117 100

119 96.8 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.033 ug/L

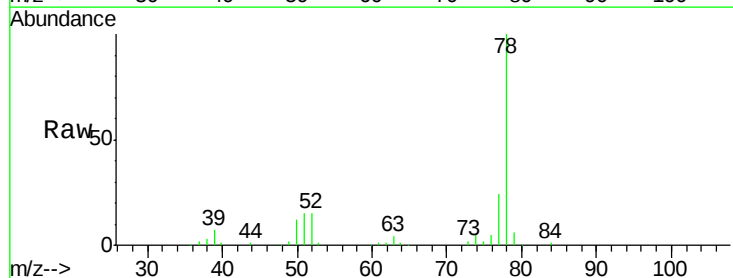
RT: 5.15 min Scan# 1326

Delta R.T. -0.00 min

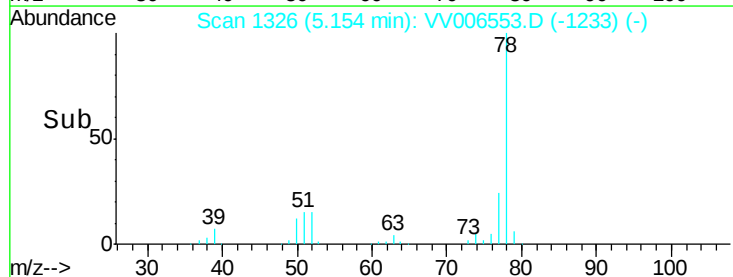
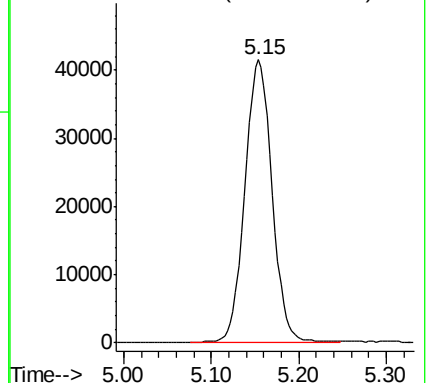
Lab File: VV006553.D

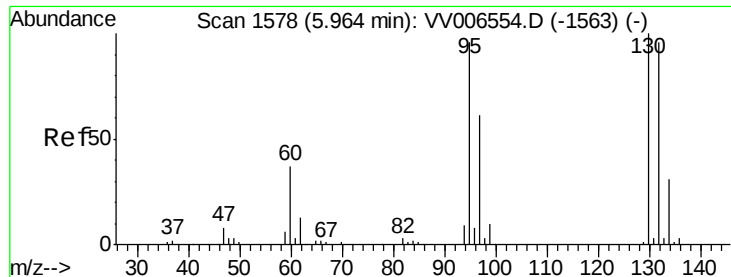
Acq: 07 Jul 2018 09:13

Tgt Ion: 78 Resp: 89946



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.920 ug/L

RT: 5.97 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00162

Tgt Ion: 95 Resp: 22548

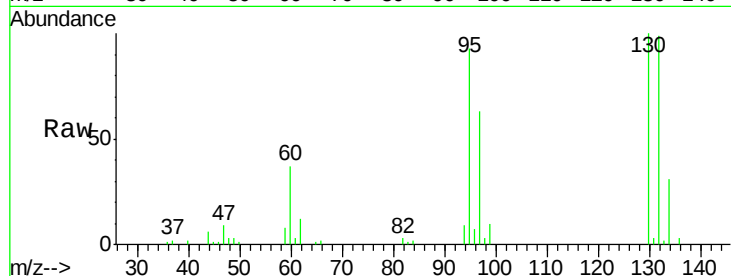
Ion Ratio Lower Upper

95 100

97 67.5 44.3 82.3

132 106.1 70.0 130.0

130 107.1 72.7 134.9

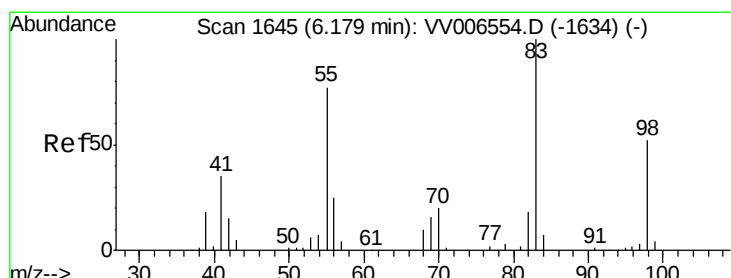
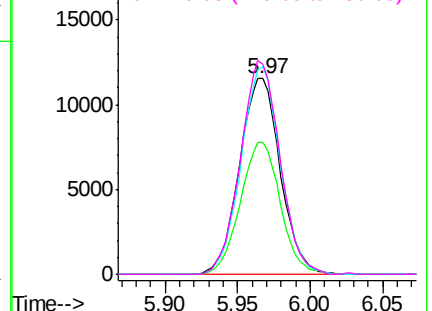
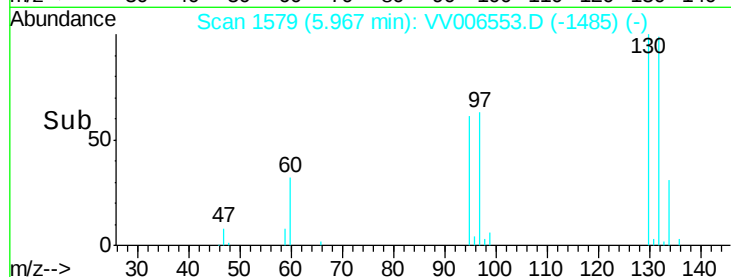


Abundance Ion 95.00 (94.70 to 95.70): VV006553.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006553.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006553.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006553.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.875 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

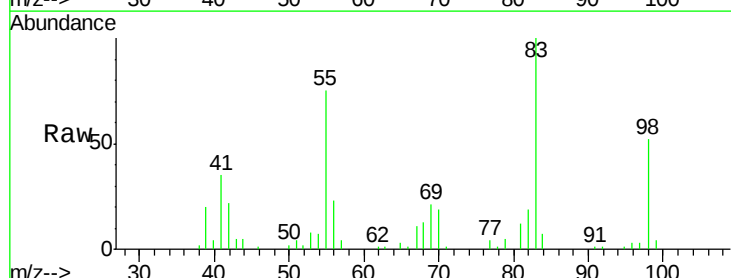
Tgt Ion: 83 Resp: 31816

Ion Ratio Lower Upper

83 100

55 75.3 58.3 87.5

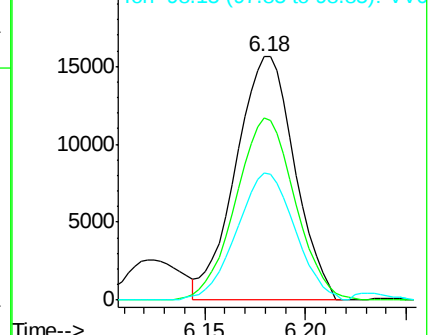
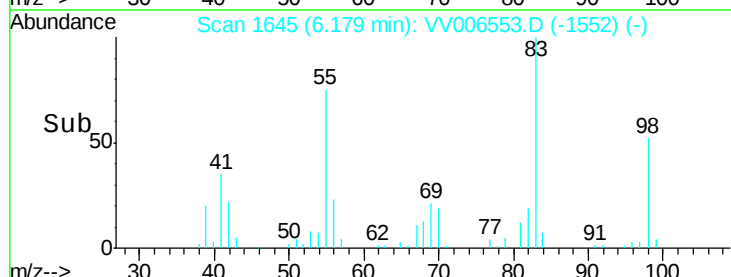
98 51.6 39.3 58.9

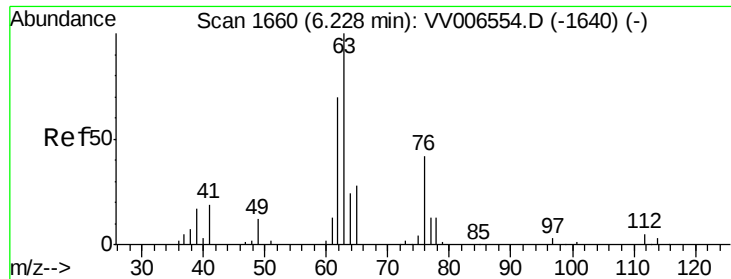


Abundance Ion 83.15 (82.85 to 83.85): VV006553.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006553.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006553.D (-1552) (-)

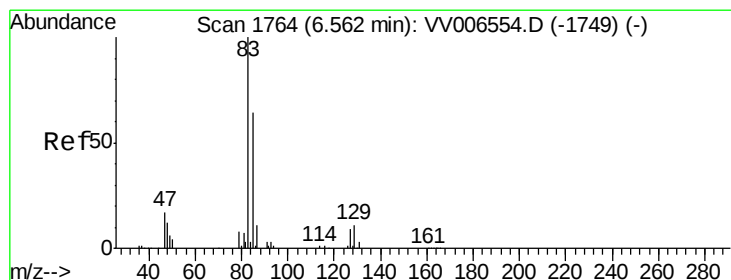
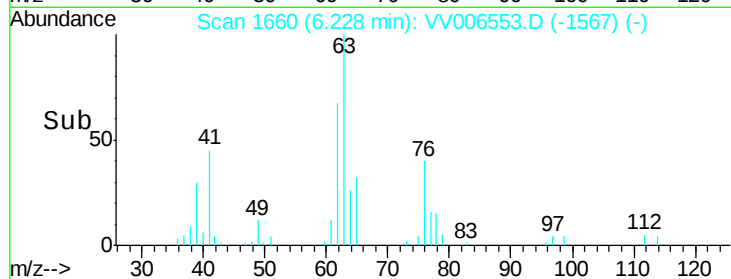
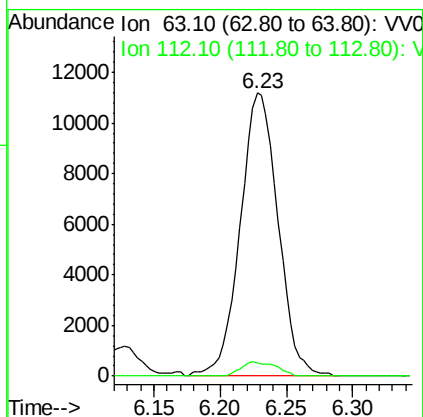
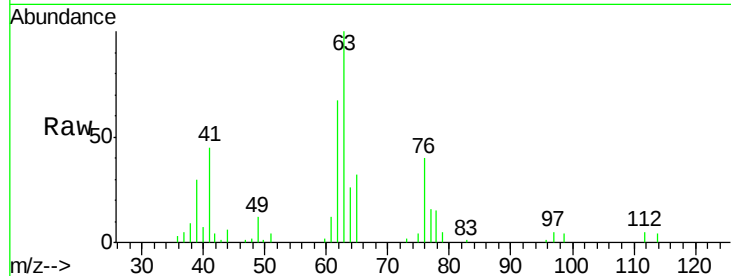




#37
 1,2-Dichloropropane
 Concen: 1.048 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

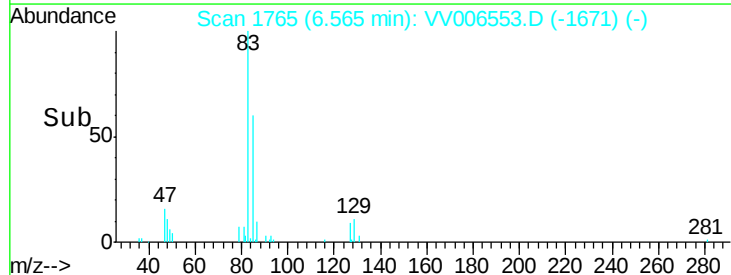
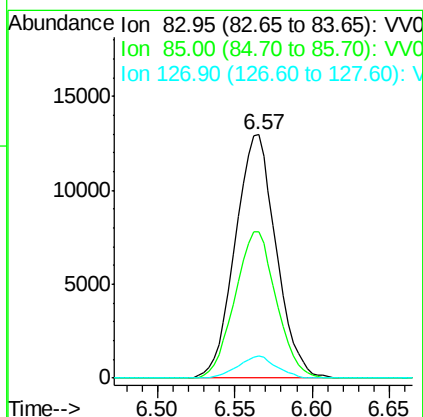
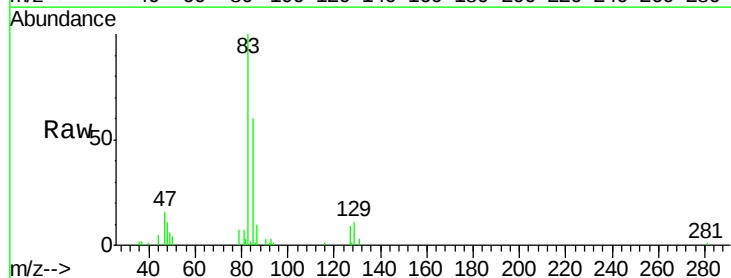
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

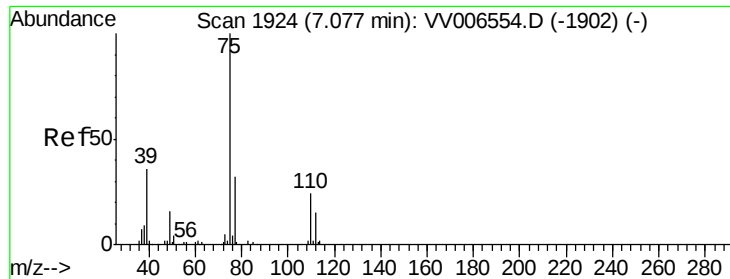
Tgt Ion: 63 Resp: 22243
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 0.980 ug/L
 RT: 6.57 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

Tgt Ion: 83 Resp: 23843
 Ion Ratio Lower Upper
 83 100
 85 60.0 45.1 83.7
 127 9.0 6.9 10.3

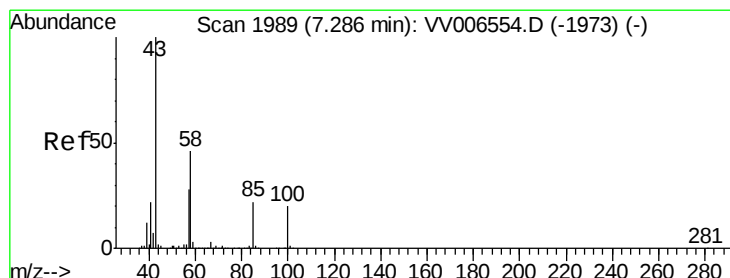
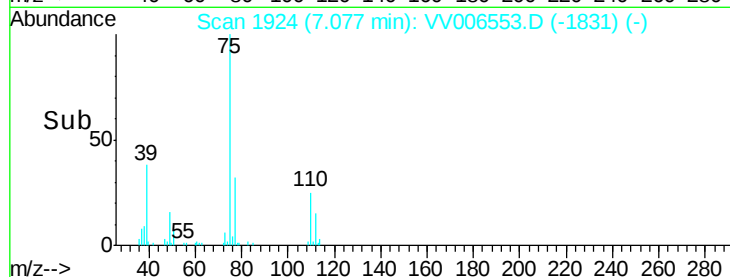
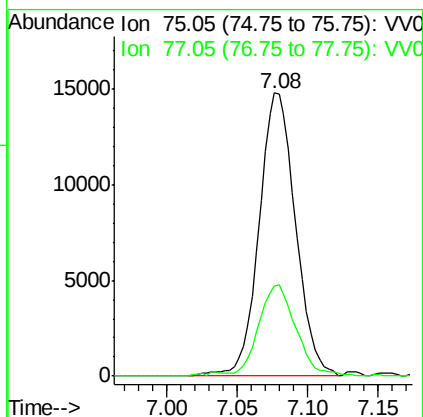
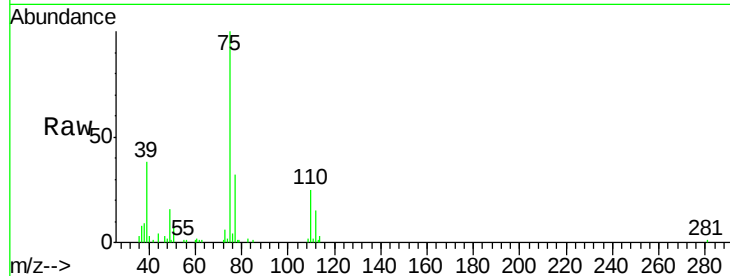




#39
 cis-1,3-Dichloropropene
 Concen: 0.908 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

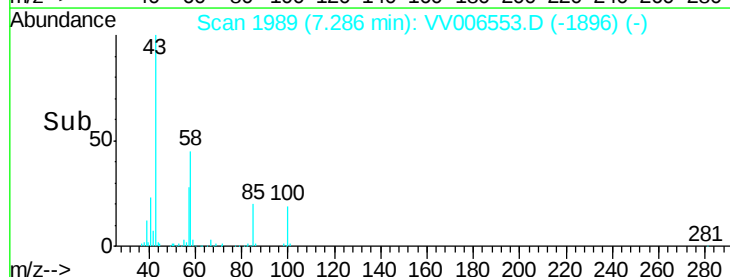
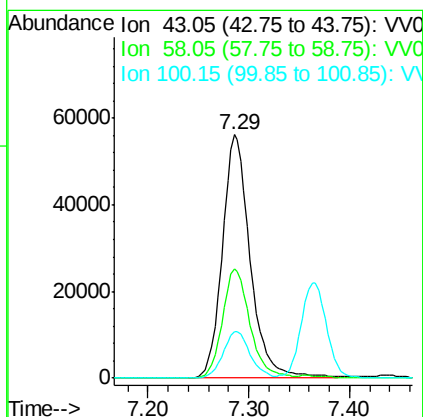
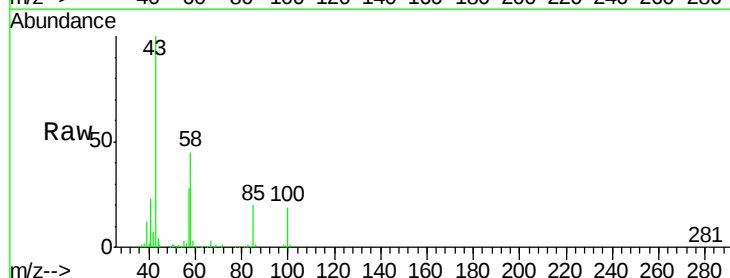
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

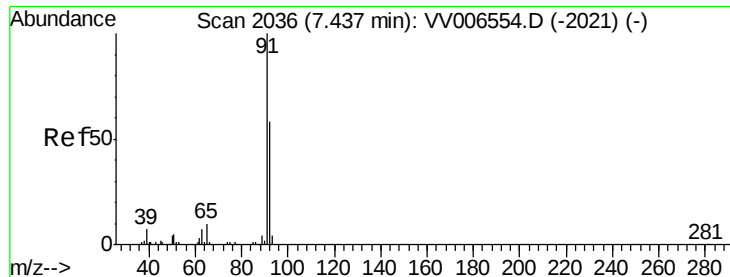
Tgt Ion: 75 Resp: 26683
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 10.379 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

Tgt Ion: 43 Resp: 108253
 Ion Ratio Lower Upper
 43 100
 58 44.2 35.8 53.6
 100 18.6 15.4 23.0





#42

Toluene

Concen: 0.975 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

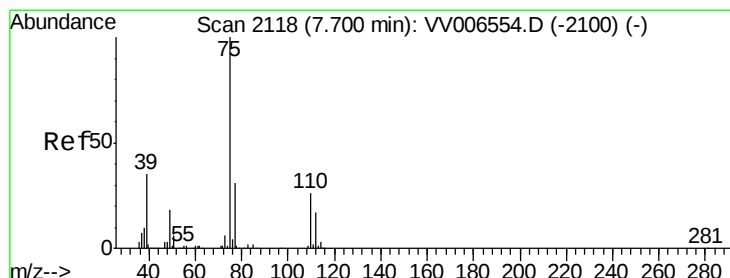
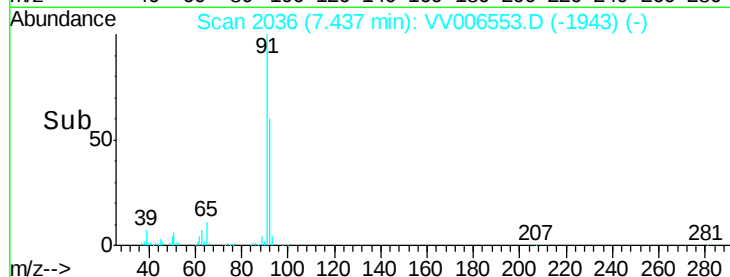
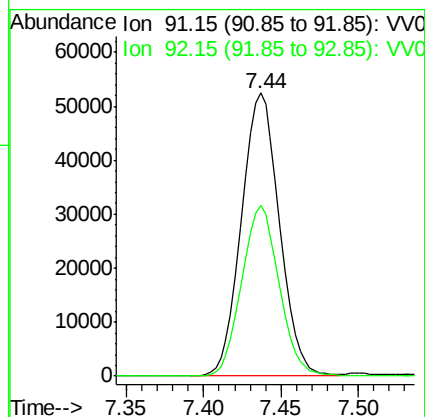
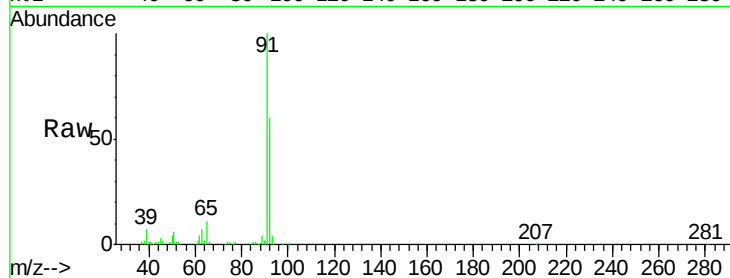
VSTD00162

Tgt Ion: 91 Resp: 89739

Ion Ratio Lower Upper

91 100

92 60.2 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 0.890 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006553.D

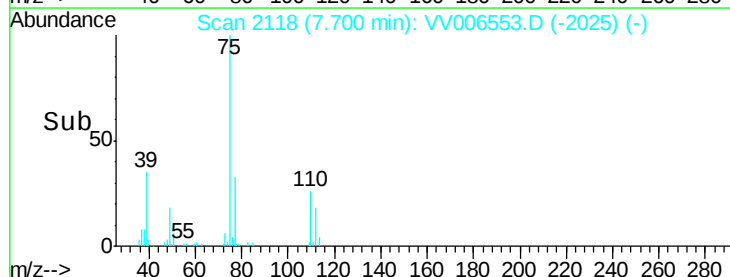
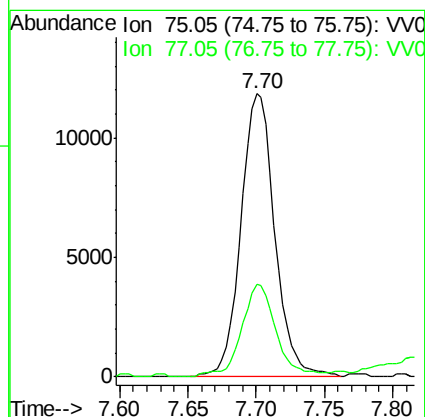
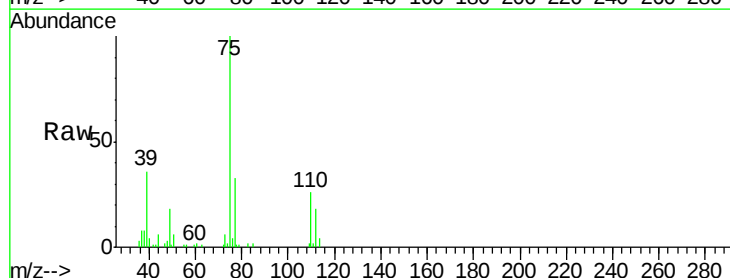
Acq: 07 Jul 2018 09:13

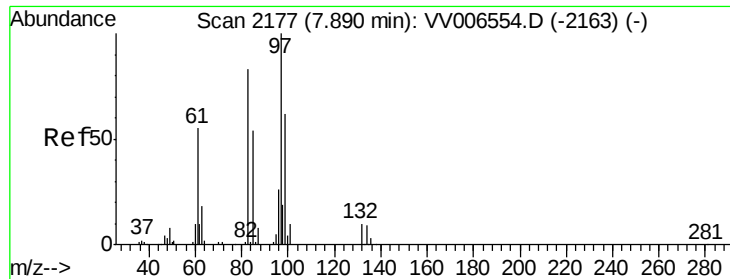
Tgt Ion: 75 Resp: 20429

Ion Ratio Lower Upper

75 100

77 32.6 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 1.030 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00162

Tgt Ion: 97 Resp: 15147

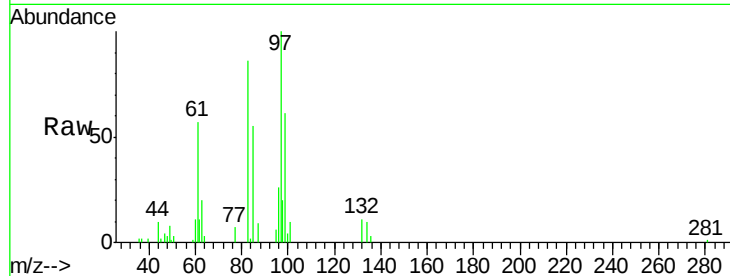
Ion Ratio Lower Upper

97 100

99 61.4 43.3 80.3

83 85.6 58.0 107.8

85 55.0 37.8 70.2

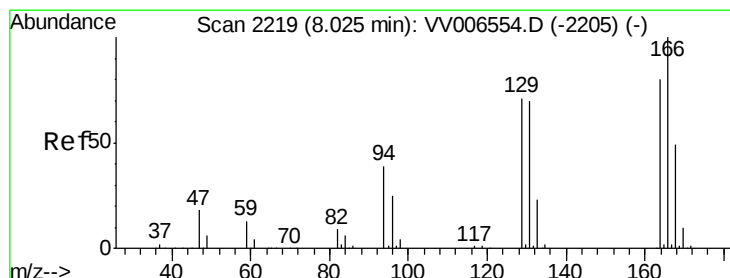
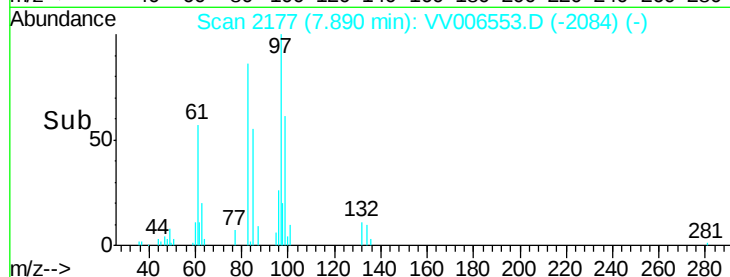
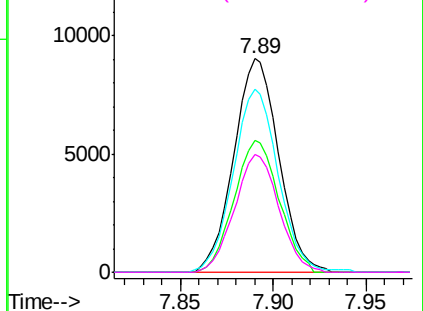


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 0.947 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Tgt Ion: 164 Resp: 17830

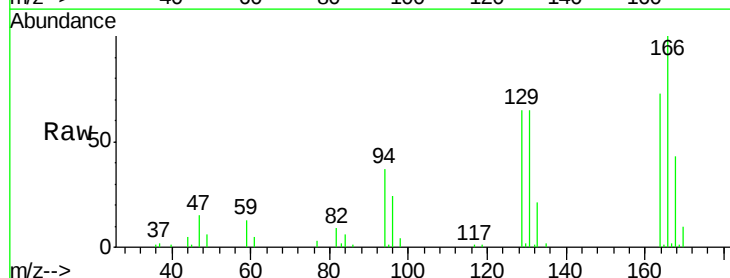
Ion Ratio Lower Upper

164 100

129 88.5 62.1 115.3

131 88.8 60.8 113.0

166 136.4 87.1 161.7

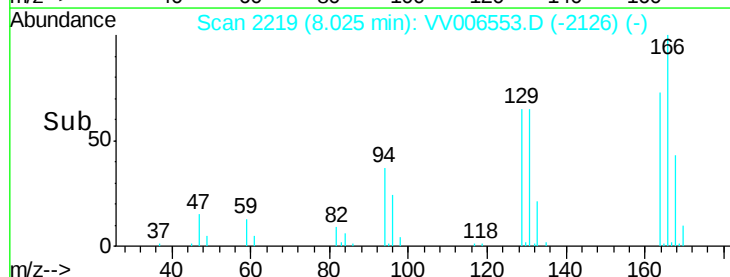
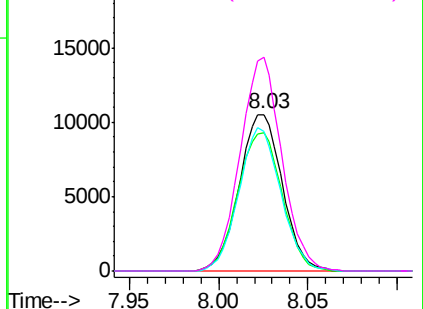


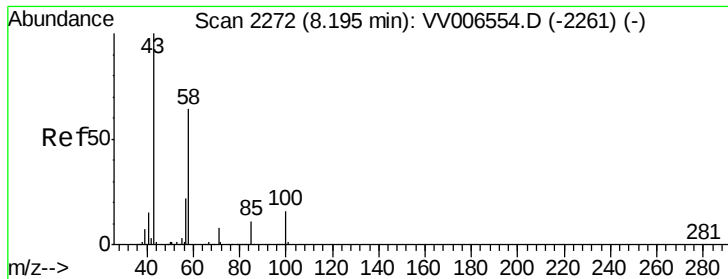
Abundance Ion 163.90 (163.60 to 164.60): V

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

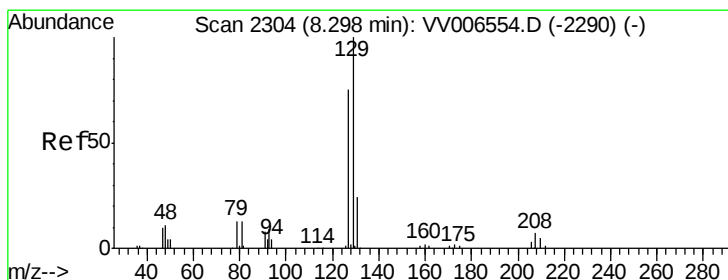
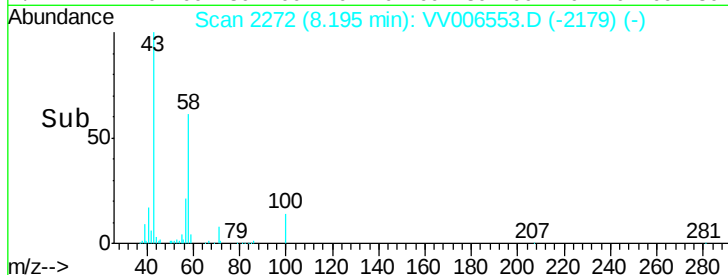
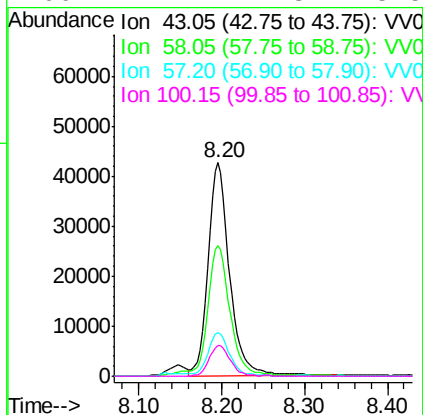
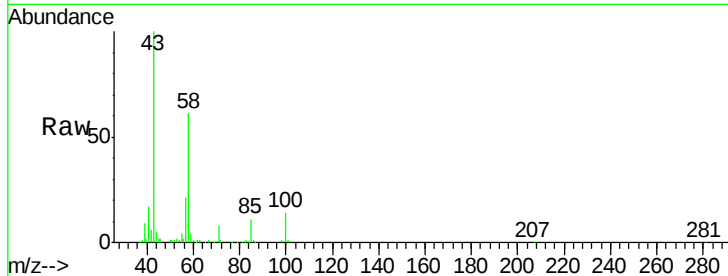




#48
2-Hexanone
Concen: 10.331 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

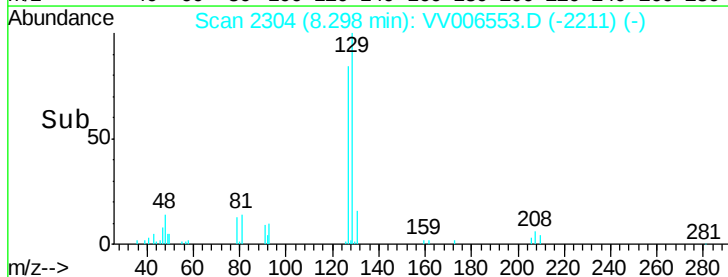
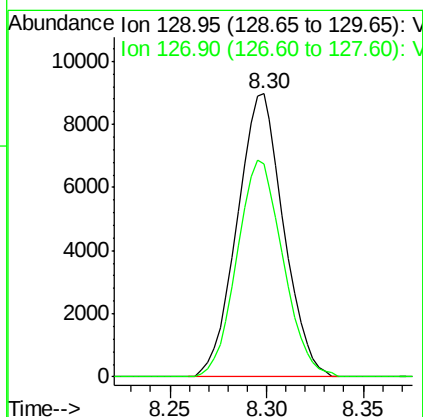
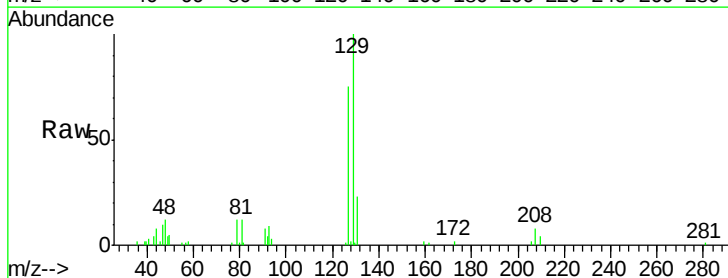
Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

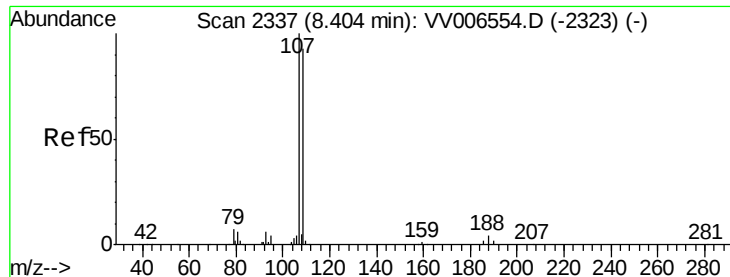
Tgt Ion:	43	Resp:	77419
Ion	Ratio	Lower	Upper
43	100		
58	61.9	50.3	75.5
57	21.2	17.0	25.4
100	14.2	12.3	18.5



#49
Dibromochloromethane
Concen: 0.960 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

Tgt Ion:	129	Resp:	14959
Ion	Ratio	Lower	Upper
129	100		
127	75.3	52.7	97.9

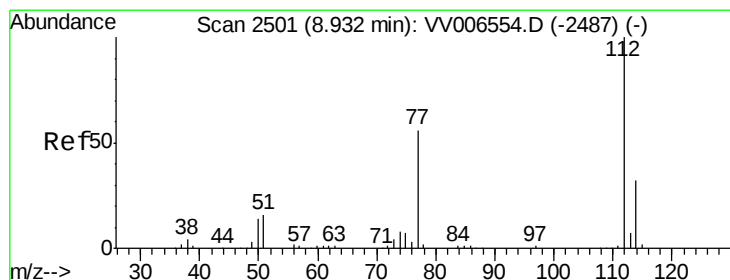
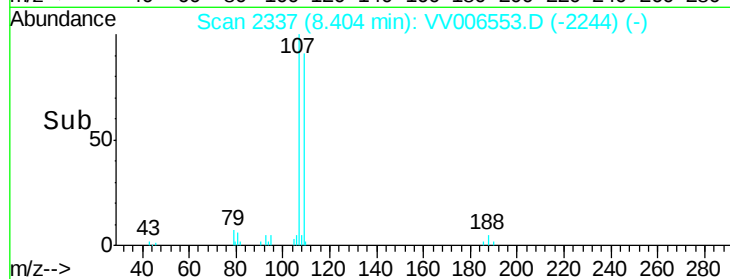
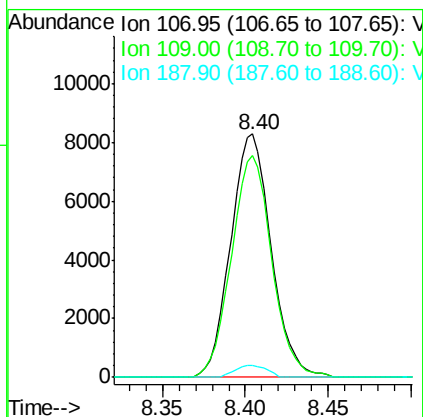
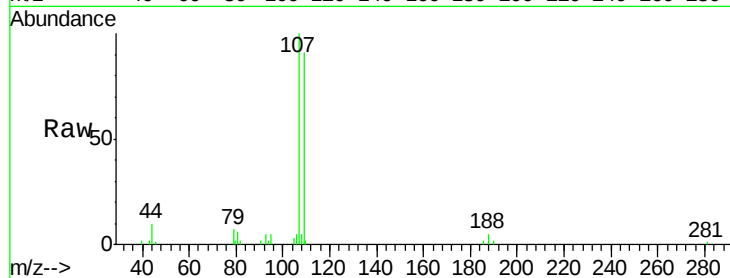




#50
1,2-Dibromoethane
Concen: 1.066 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

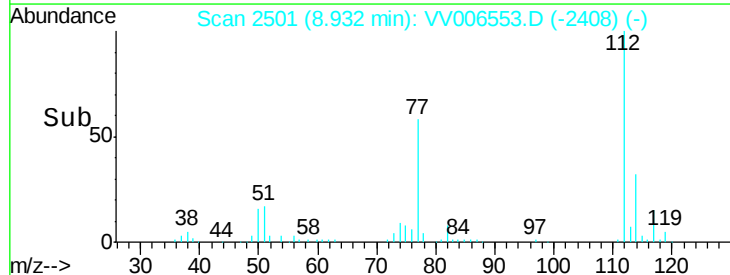
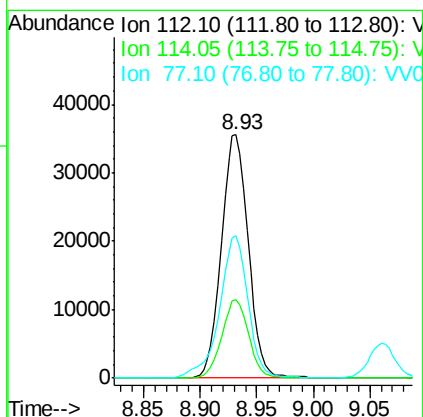
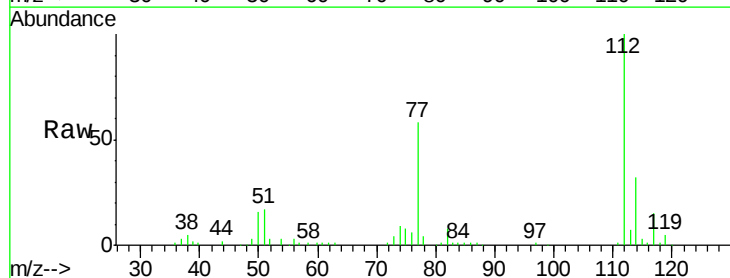
Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

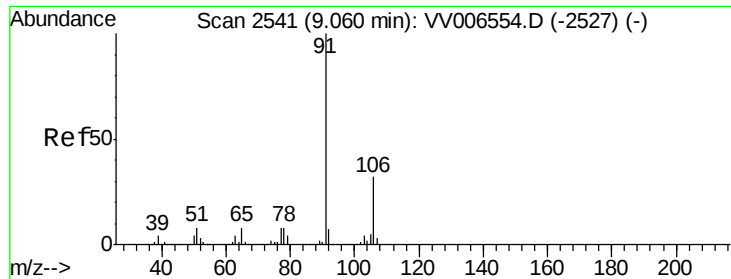
Tgt Ion:107 Resp: 14083
Ion Ratio Lower Upper
107 100
109 91.3 65.2 121.0
188 4.7 3.4 5.0



#51
Chlorobenzene
Concen: 0.972 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. -0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

Tgt Ion:112 Resp: 58998
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.5
77 58.5 45.1 67.7





#52

Ethylbenzene

Concen: 0.903 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

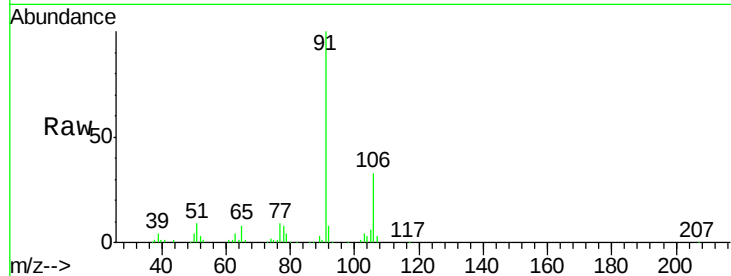
VSTD00162

Tgt Ion: 91 Resp: 89708

Ion Ratio Lower Upper

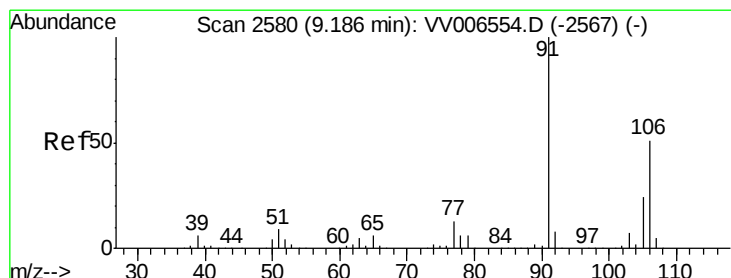
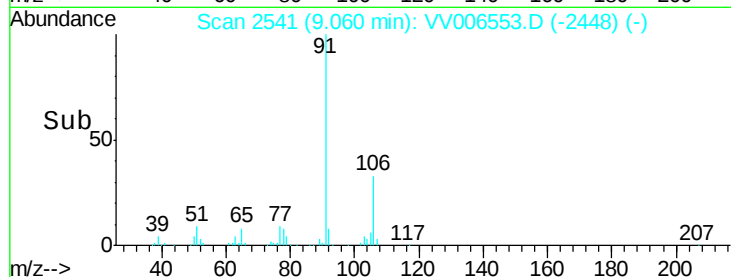
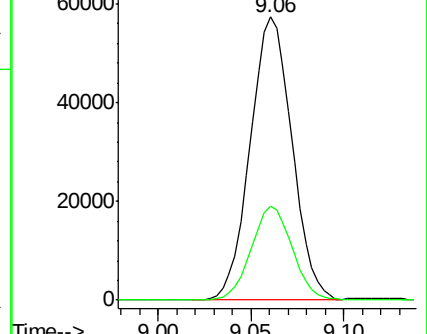
91 100

106 33.3 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 0.886 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006553.D

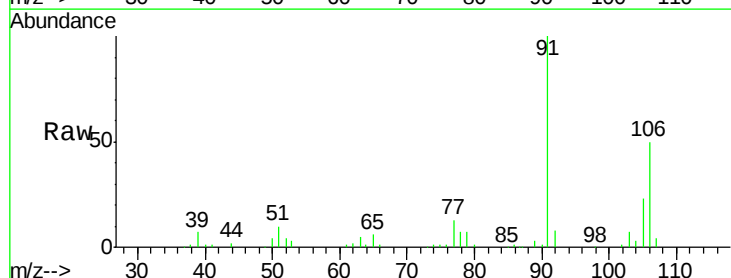
Acq: 07 Jul 2018 09:13

Tgt Ion: 106 Resp: 34008

Ion Ratio Lower Upper

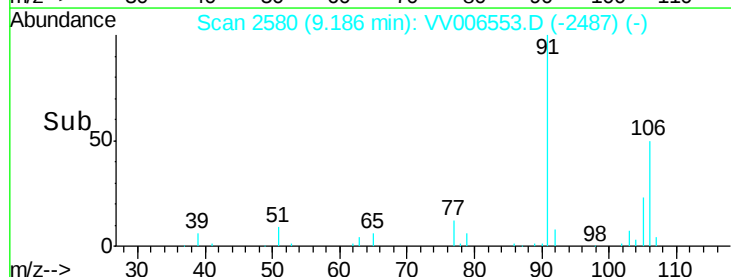
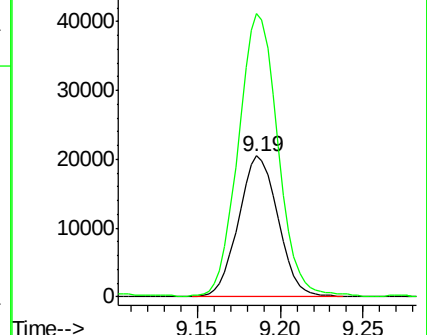
106 100

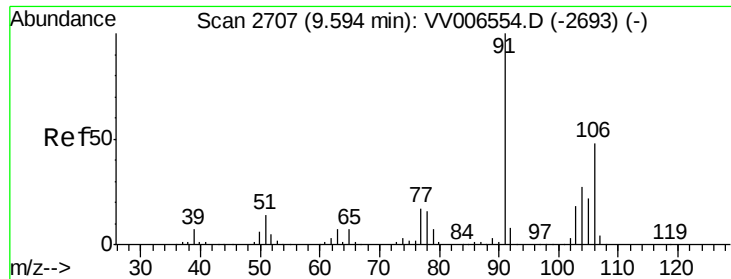
91 201.1 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 0.894 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

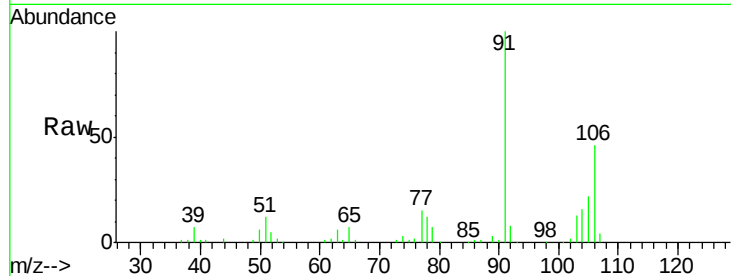
VSTD00162

Tgt Ion:106 Resp: 33573

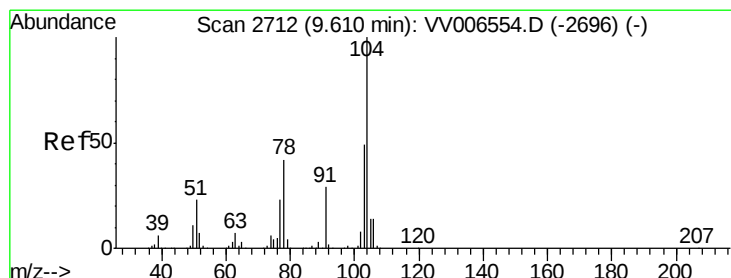
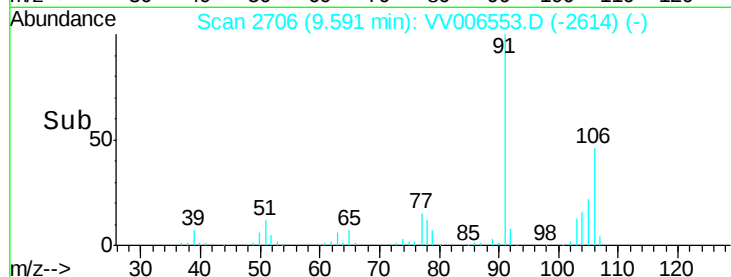
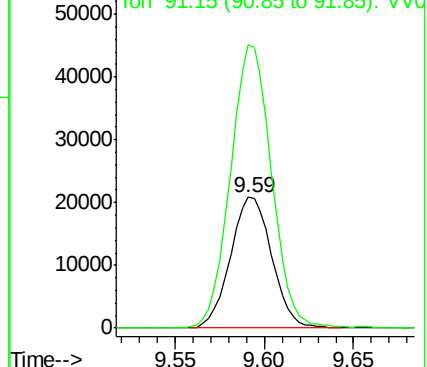
Ion Ratio Lower Upper

106 100

91 216.1 146.1 271.3



Abundance Ion 106.15 (105.85 to 106.85): VV006553.D (-2614) (-)



#55

Styrene

Concen: 0.901 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006553.D

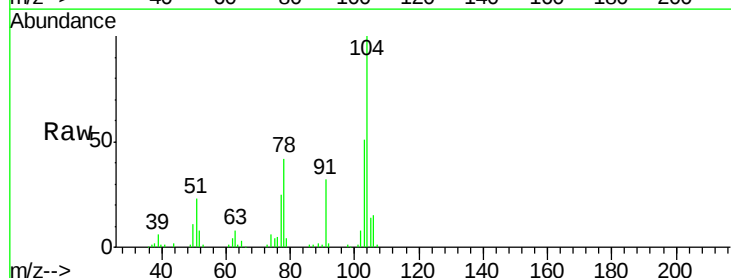
Acq: 07 Jul 2018 09:13

Tgt Ion:104 Resp: 55593

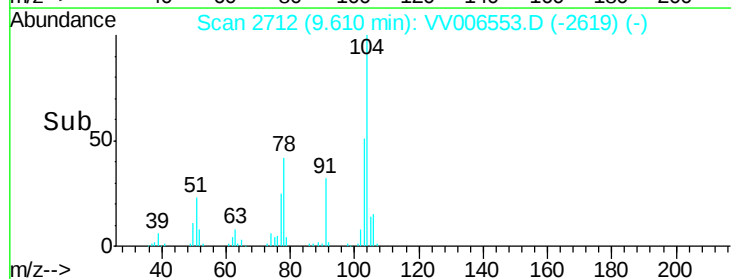
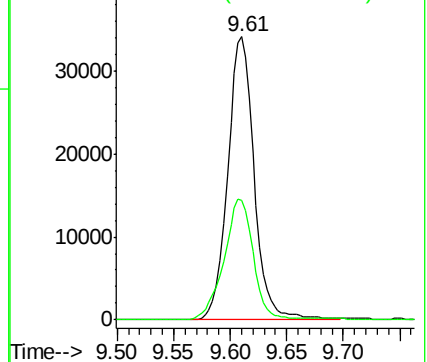
Ion Ratio Lower Upper

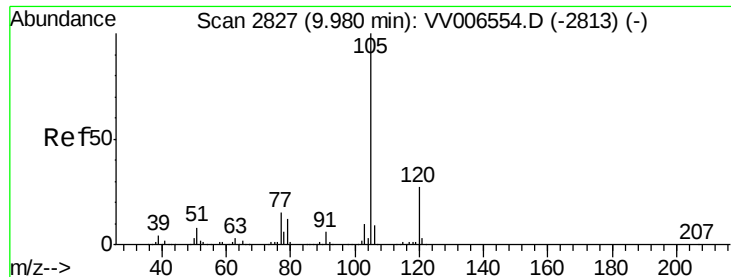
104 100

78 42.5 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): VV006553.D (-2619) (-)

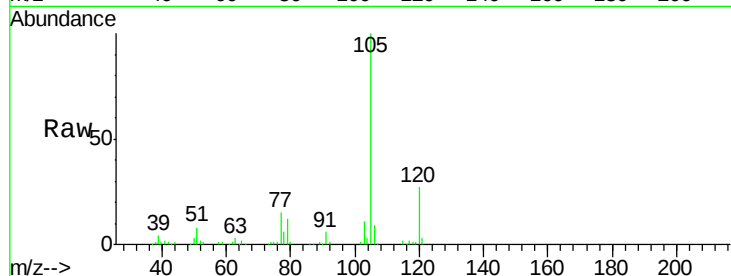




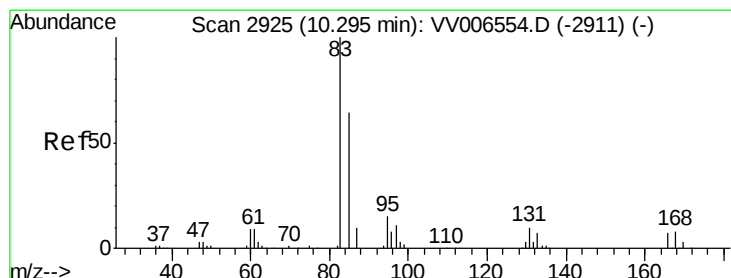
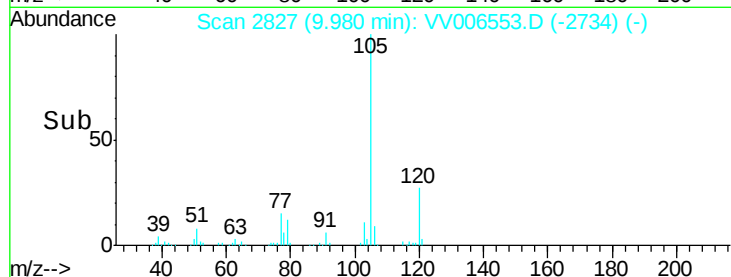
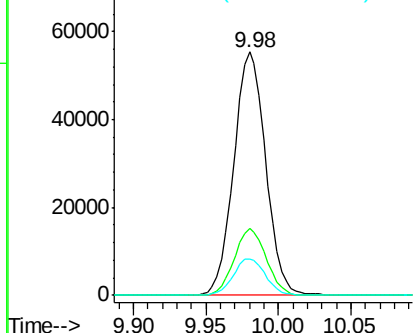
#56
Isopropylbenzene
Concen: 0.865 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. -0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00162

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.5	32.3
77	15.1	11.8	17.6

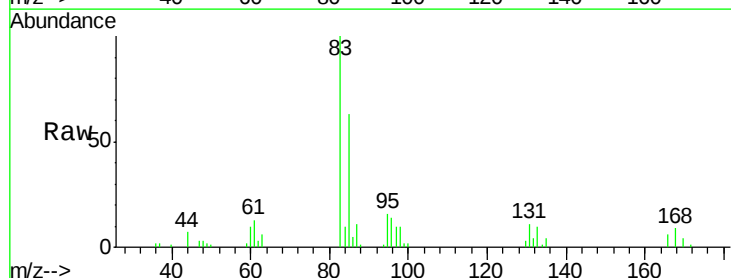


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

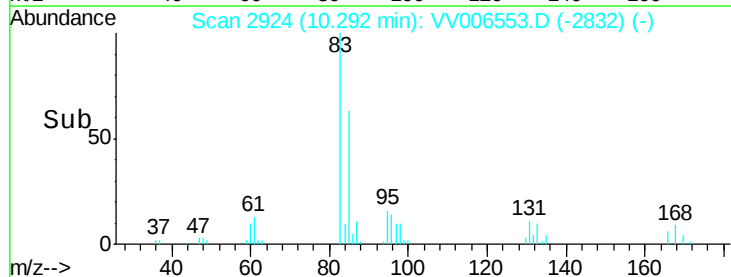
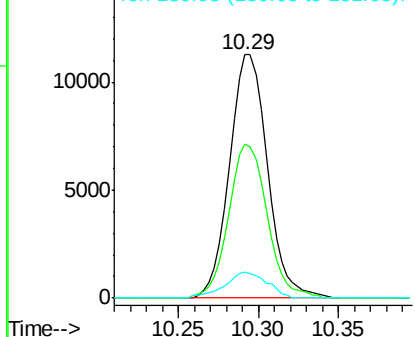


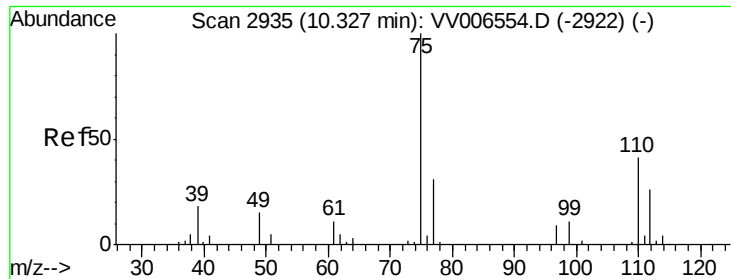
#58
1,1,2,2-Tetrachloroethane
Concen: 1.257 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VV006553.D
Acq: 07 Jul 2018 09:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	44.7	83.1
131	10.5	8.6	13.0



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.102 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

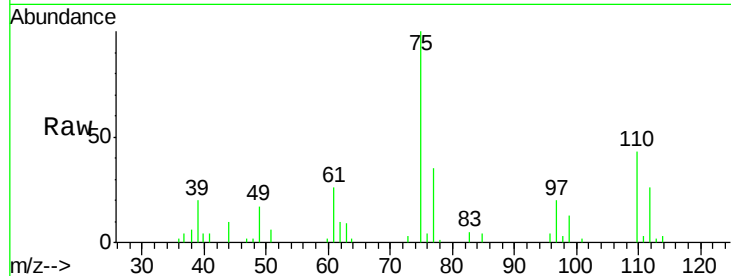
VSTD00162

Tgt Ion: 75 Resp: 12926

Ion Ratio Lower Upper

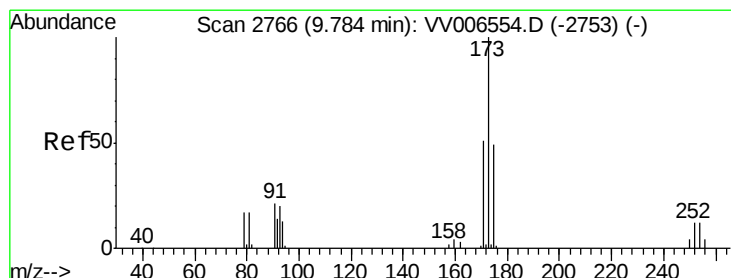
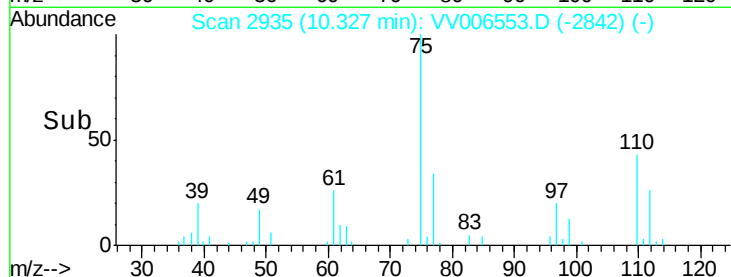
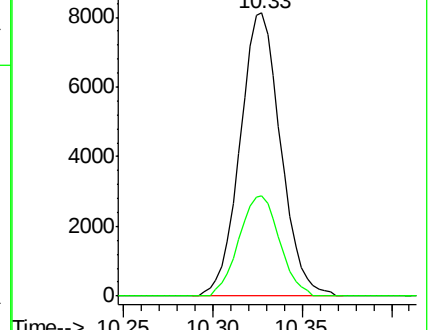
75 100

77 35.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV006554.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006554.D (-2922) (-)



#61

Bromoform

Concen: 0.984 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

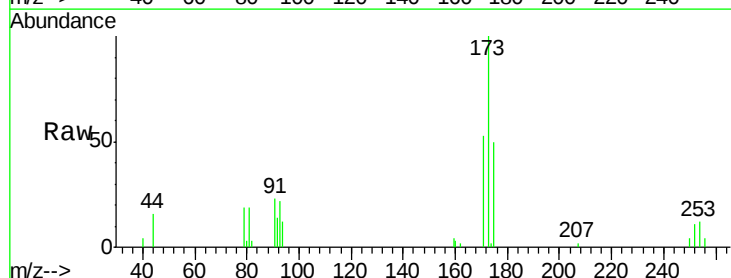
Tgt Ion: 173 Resp: 7429

Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

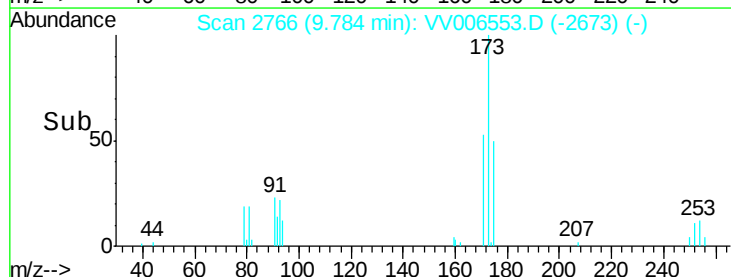
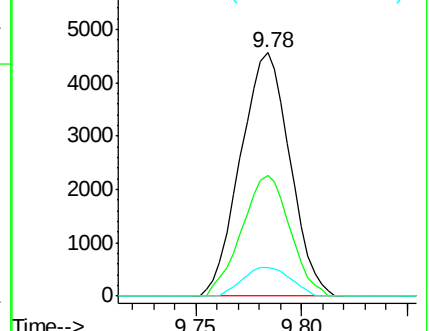
254 11.5 9.6 14.4

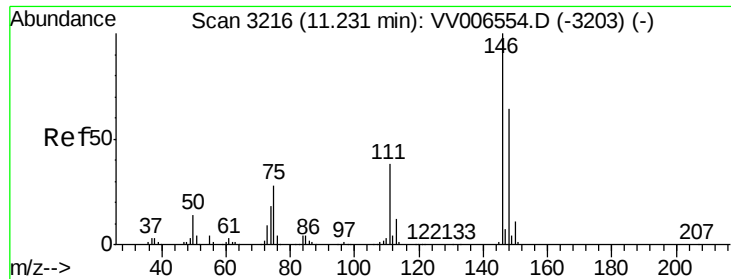


Abundance Ion 172.90 (172.60 to 173.60): VV006554.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006554.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006554.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 0.951 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00162

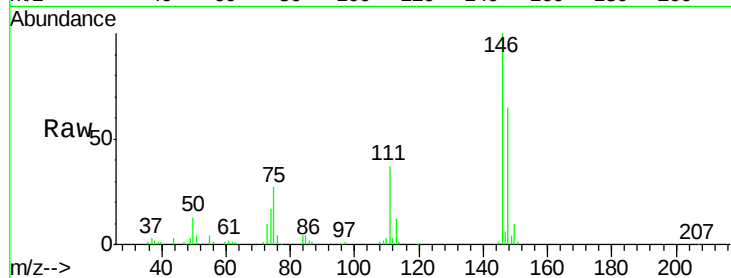
Tgt Ion:146 Resp: 41731

Ion Ratio Lower Upper

146 100

111 37.1 26.9 49.9

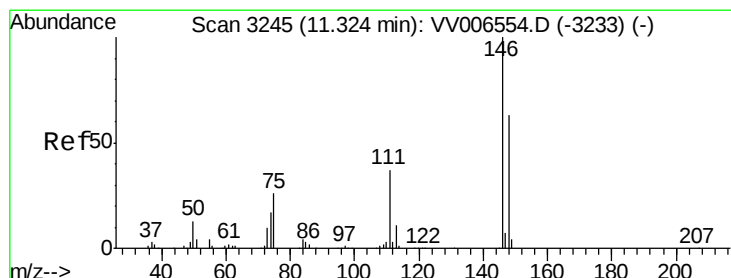
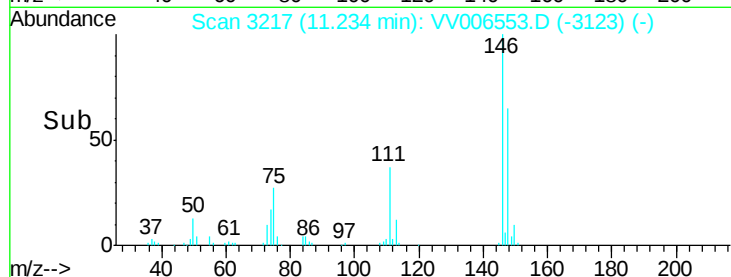
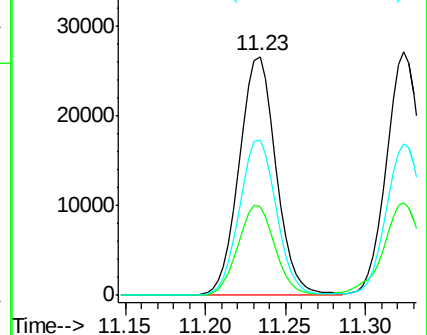
148 65.0 44.4 82.5



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: 0.973 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

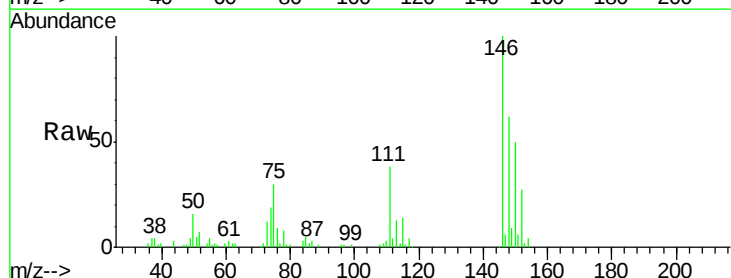
Tgt Ion:146 Resp: 42917

Ion Ratio Lower Upper

146 100

111 38.3 26.0 48.4

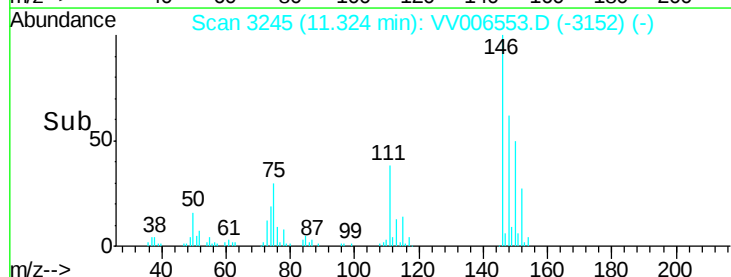
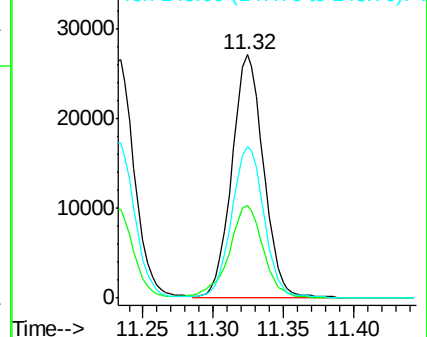
148 62.2 44.2 82.0

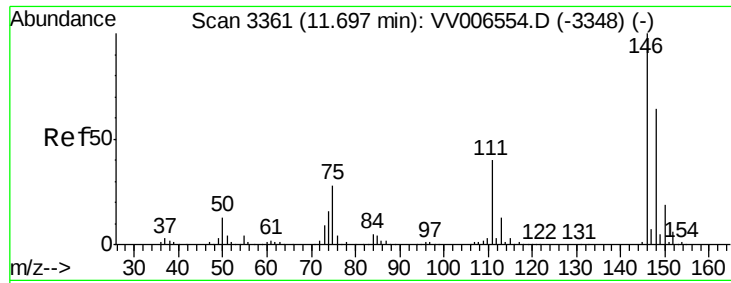


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

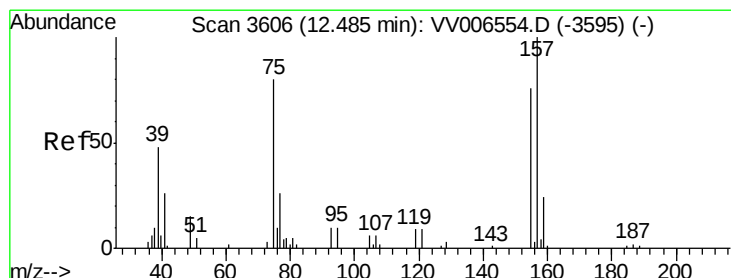
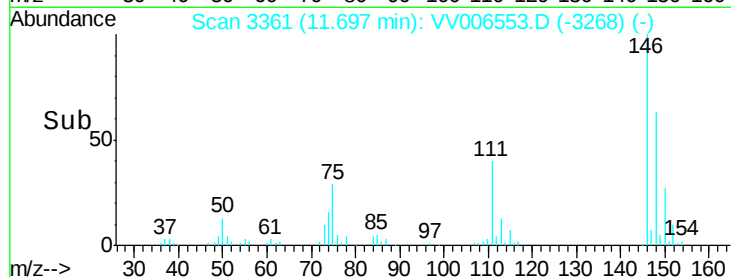
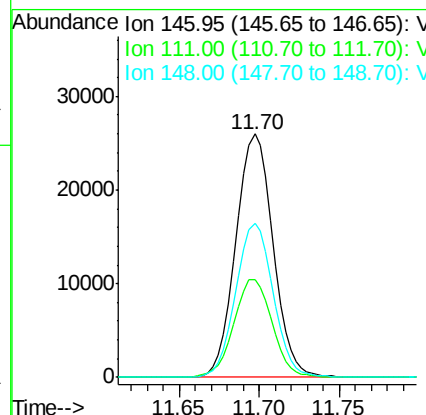
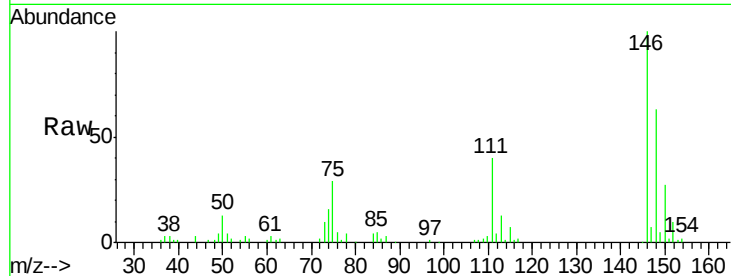




#65
 1,2-Dichlorobenzene
 Concen: 0.995 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

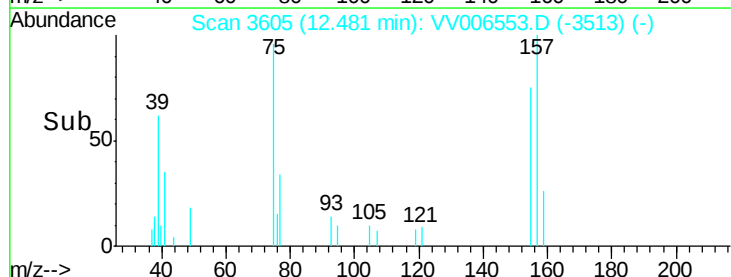
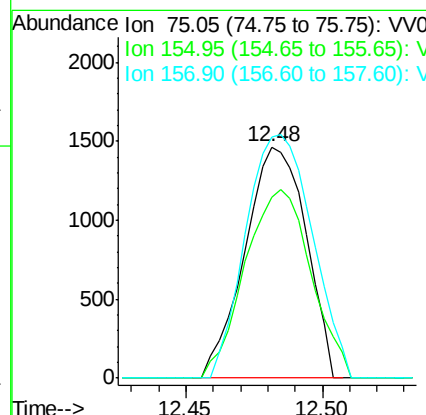
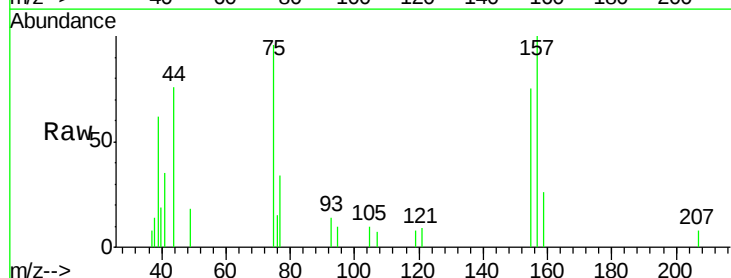
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

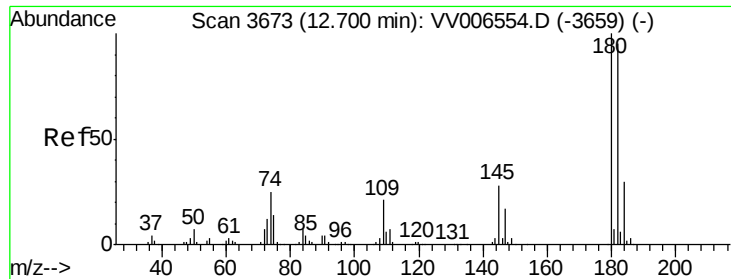
Tgt Ion: 146 Resp: 41191
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.4 48.6
 148 63.1 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.238 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

Tgt Ion: 75 Resp: 2281
 Ion Ratio Lower Upper
 75 100
 155 78.1 75.4 113.2
 157 104.3 99.6 149.4

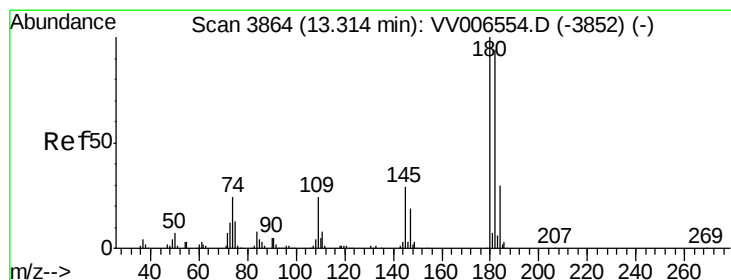
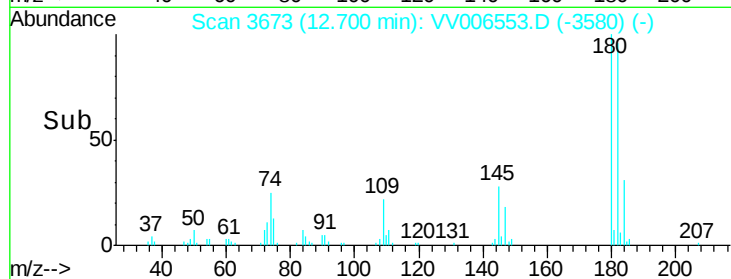
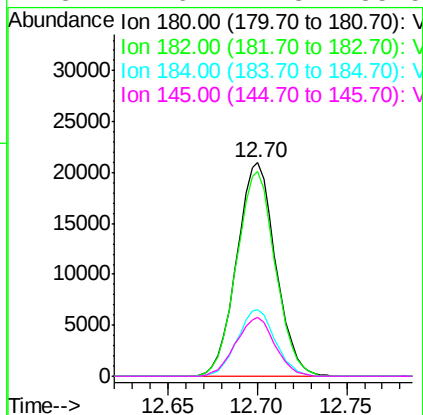
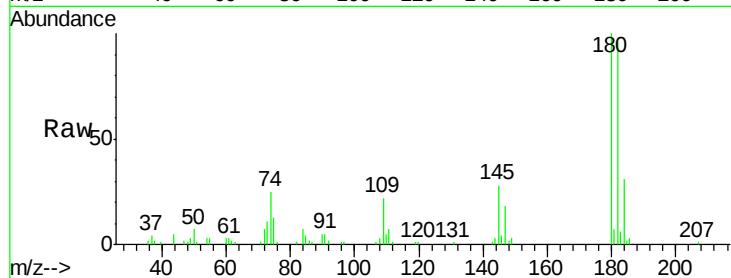




#67
 1,3,5-Trichlorobenzene
 Concen: 0.946 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

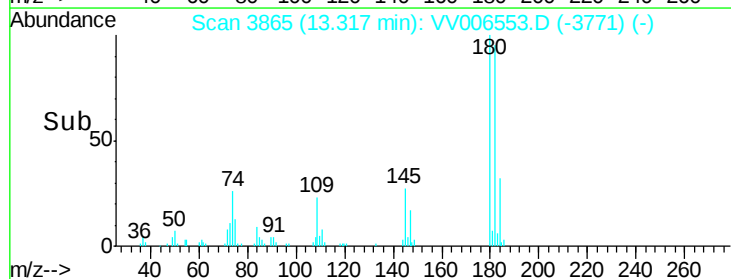
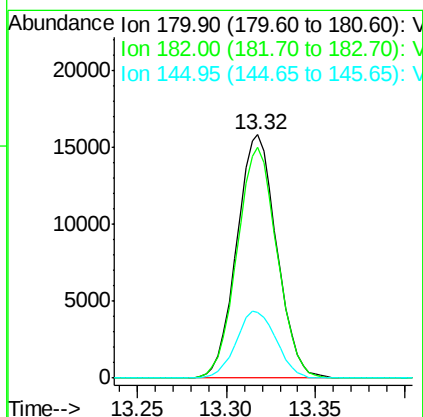
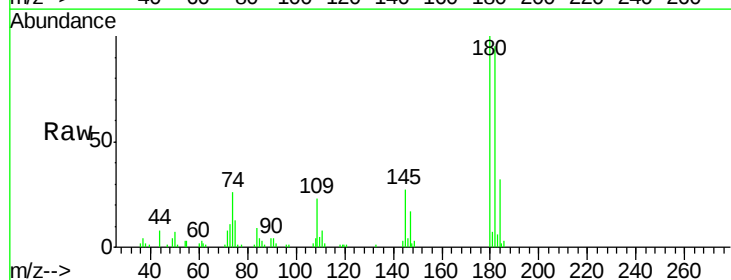
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00162

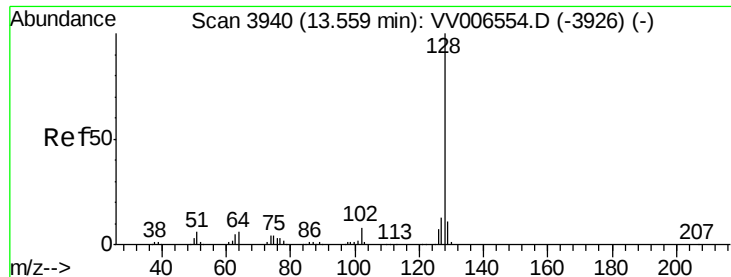
Tgt Ion:180 Resp: 31905
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.1 114.1
 184 30.5 24.1 36.1
 145 27.6 22.3 33.5



#68
 1,2,4-trichlorobenzene
 Concen: 0.988 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006553.D
 Acq: 07 Jul 2018 09:13

Tgt Ion:180 Resp: 24627
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.5 114.7
 145 27.5 23.0 34.4





#69

Naphthalene

Concen: 1.078 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00162

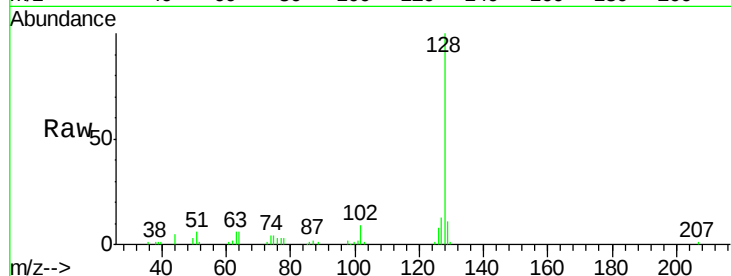
Tgt Ion:128 Resp: 40479

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

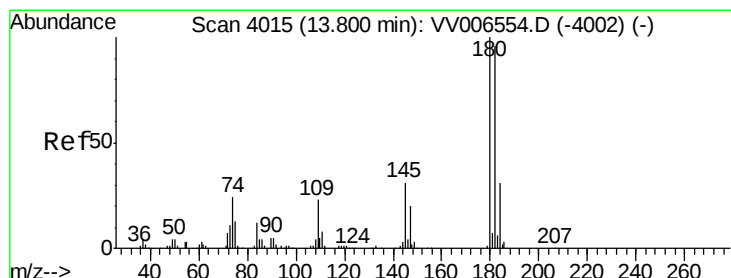
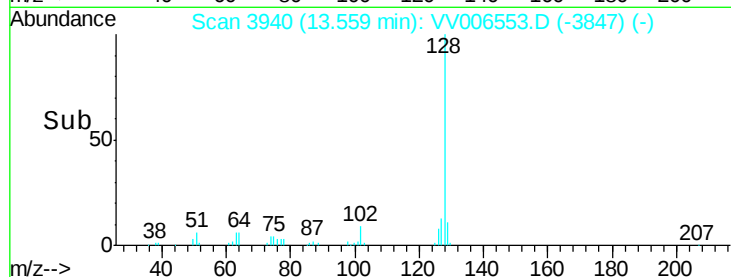
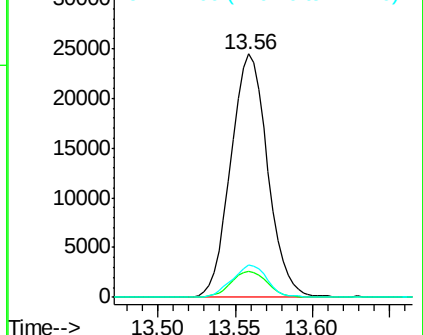
127 12.6 10.2 15.2



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: 1.008 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006553.D

Acq: 07 Jul 2018 09:13

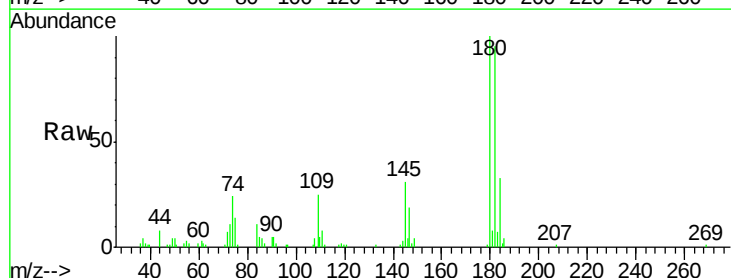
Tgt Ion:180 Resp: 23512

Ion Ratio Lower Upper

180 100

182 96.5 76.3 114.5

145 30.8 24.7 37.1



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

