

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070718\
 Data File : VV006554.D
 Acq On : 07 Jul 2018 09:40
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Jul 09 02:37:10 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	329453	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	300905	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	145499	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87764	4.19	ug/L	0.00
7) Chloroethane-d5	1.59	69	77106	4.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	163640	4.37	ug/L	0.00
20) 2-Butanone-d5	3.98	46	224021	53.91	ug/L	0.00
24) Chloroform-d	4.41	84	172279	4.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	80568	4.71	ug/L	0.00
32) Benzene-d6	5.11	84	340346	4.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	109057	4.70	ug/L	0.00
41) Toluene-d8	7.37	98	312894	4.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	37611	4.46	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	195201	55.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	86318	5.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	125558	4.68	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	135013	5.439 ug/L	100
3) Chloromethane	1.26	50	153010	5.854 ug/L	100
5) Vinyl chloride	1.32	62	146057	5.311 ug/L	100
6) Bromomethane	1.54	94	68176	4.450 ug/L	100
8) Chloroethane	1.60	64	87475	5.048 ug/L	100
9) Trichlorofluoromethane	1.77	101	170271	5.196 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	106170	5.144 ug/L	100
12) 1,1-Dichloroethene	2.14	96	103227	5.093 ug/L	100
13) Acetone	2.23	43	138602	54.720 ug/L	100
14) Carbon disulfide	2.32	76	306862	5.306 ug/L	100
15) Methyl Acetate	2.48	43	40611	5.444 ug/L	100
16) Methylene chloride	2.54	84	110151	4.669 ug/L	100
17) Methyl tert-butyl Ether	2.82	73	244844	5.023 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	111749	5.057 ug/L	100
19) 1,1-Dichloroethane	3.23	63	195794	4.989 ug/L	100
21) 2-Butanone	4.07	43	234166	51.125 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	119989	4.963 ug/L	100
23) Bromochloromethane	4.31	128	49963	5.065 ug/L	100
25) Chloroform	4.44	83	193402	4.909 ug/L	100
27) 1,2-Dichloroethane	5.19	62	108676	4.914 ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	160218	4.871 ug/L	100
30) Cyclohexane	4.73	56	176467	5.272 ug/L	100
31) Carbon tetrachloride	4.88	117	136157	4.918 ug/L	100
33) Benzene	5.15	78	455804	5.060 ug/L	100
34) Trichloroethene	5.96	95	116206	4.585 ug/L	100
35) Methylcyclohexane	6.18	83	198635	5.280 ug/L	100
37) 1,2-Dichloropropane	6.23	63	110830	5.050 ug/L	100
38) Bromodichloromethane	6.56	83	122615	4.872 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	150900	4.966 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	566415	52.511 ug/L	100

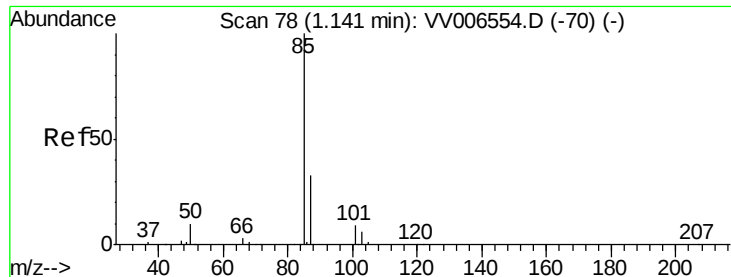
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	481088	5.056	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	115651	4.870	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	77781	5.114	ug/L	100
47) Tetrachloroethene	8.03	164	98892	5.078	ug/L	100
48) 2-Hexanone	8.20	43	406255	52.419	ug/L	100
49) Dibromochloromethane	8.30	129	80743	5.008	ug/L	100
50) 1,2-Dibromoethane	8.40	107	70241	5.140	ug/L	100
51) Chlorobenzene	8.93	112	311807	4.967	ug/L	100
52) Ethylbenzene	9.06	91	519165	5.051	ug/L	100
53) m,p-xylene	9.19	106	201178	5.070	ug/L	100
54) o-xylene	9.59	106	194670	5.013	ug/L	100
55) Styrene	9.61	104	331558	5.193	ug/L	100
56) Isopropylbenzene	9.98	105	509698	5.043	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.30	83	90906	6.057	ug/L	100
59) 1,2,3-Trichloropropane	10.33	75	65433	5.395	ug/L	100
61) Bromoform	9.78	173	40774	4.949	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	231756	4.840	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	234665	4.880	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	224474	4.969	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	11792	5.870	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	184620	5.017	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	146839	5.402	ug/L	100
69) Naphthalene	13.56	128	249935	6.101	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	139190	5.471	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.439 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

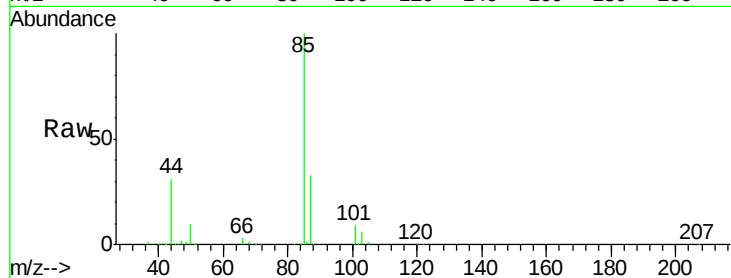
VSTD00563

Tgt Ion: 85 Resp: 135013

Ion Ratio Lower Upper

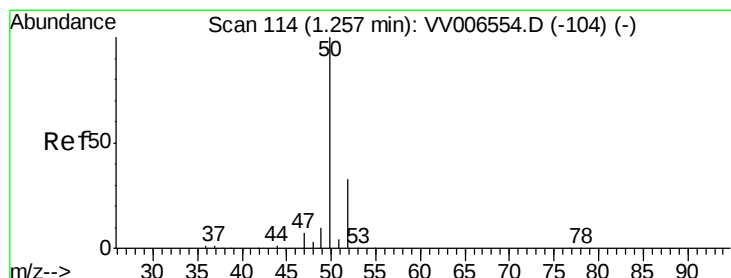
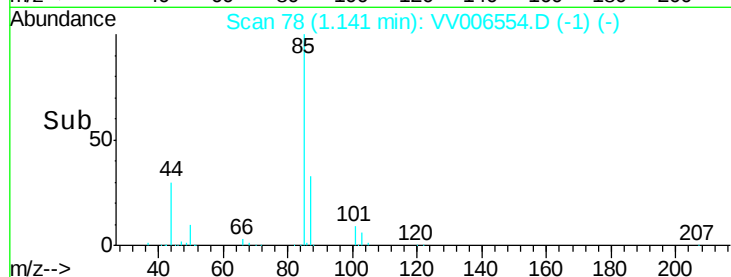
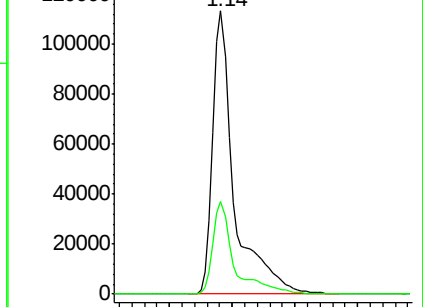
85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV006554.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006554.D (-70) (-)



#3

Chloromethane

Concen: 5.854 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006554.D

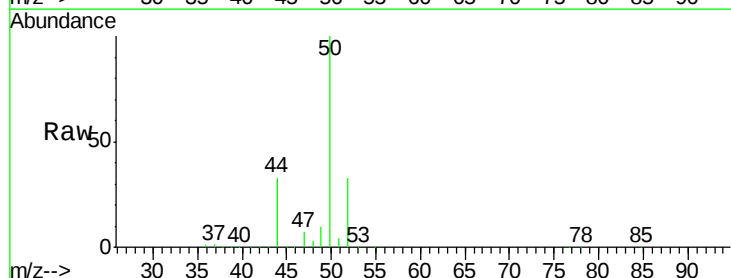
Acq: 07 Jul 2018 09:40

Tgt Ion: 50 Resp: 153010

Ion Ratio Lower Upper

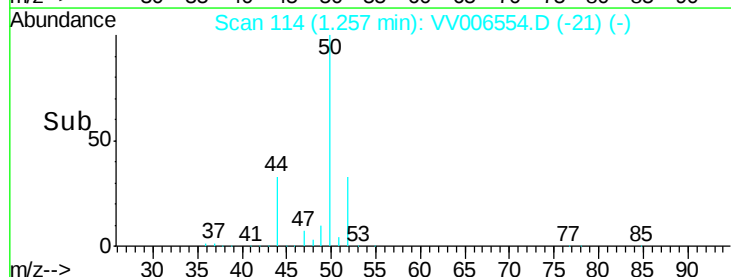
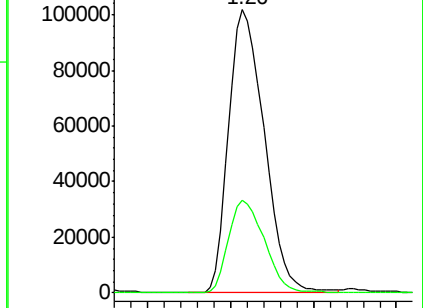
50 100

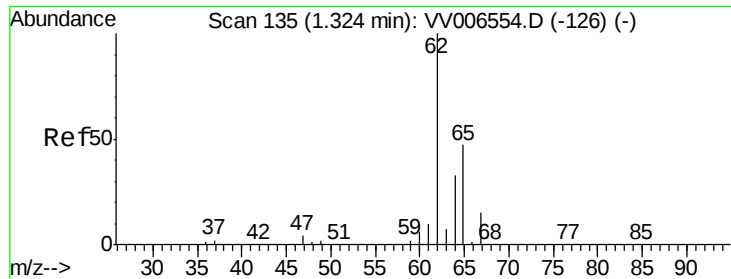
52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006554.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006554.D (-104) (-)





#5

Vinyl chloride

Concen: 5.311 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

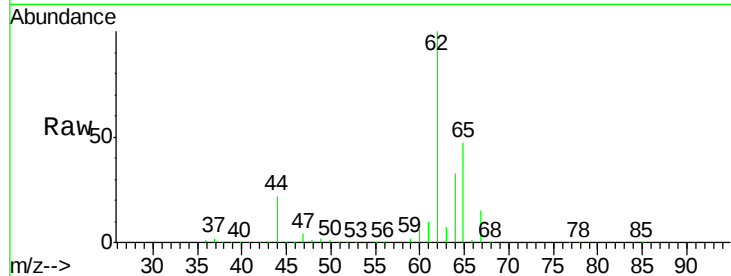
VSTD00563

Tgt Ion: 62 Resp: 146057

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

150000

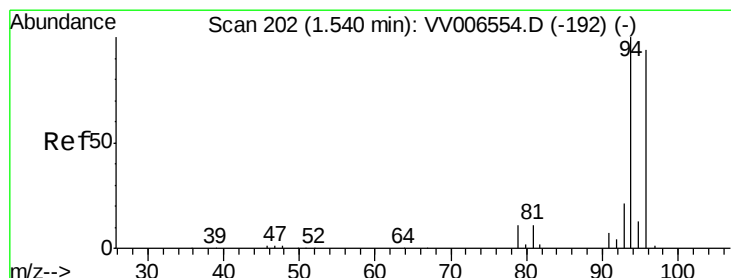
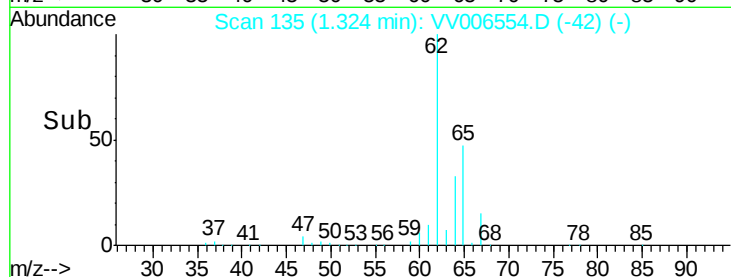
100000

50000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 4.450 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006554.D

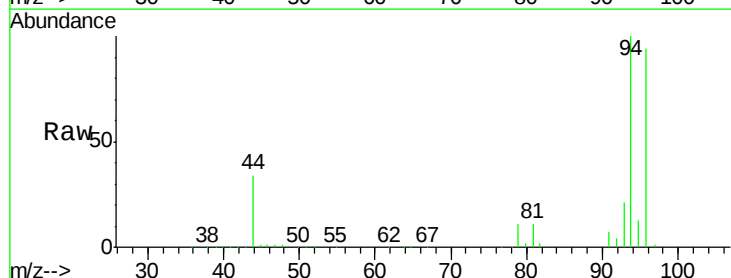
Acq: 07 Jul 2018 09:40

Tgt Ion: 94 Resp: 68176

Ion Ratio Lower Upper

94 100

96 93.9 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

60000

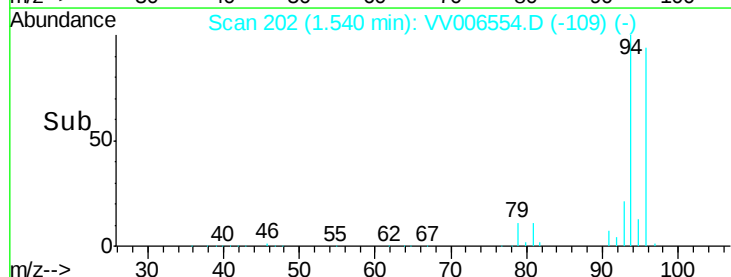
40000

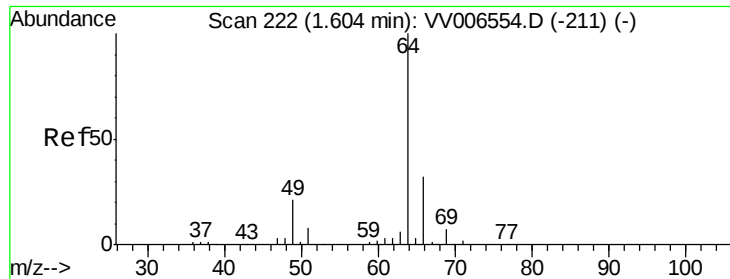
20000

0

Time-->

1.50 1.55 1.60 1.65





#8

Chloroethane

Concen: 5.048 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

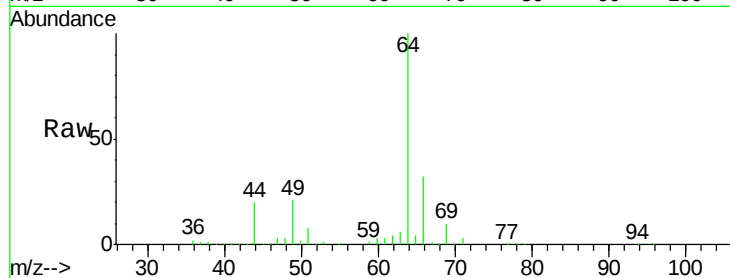
VSTD00563

Tgt Ion: 64 Resp: 87475

Ion Ratio Lower Upper

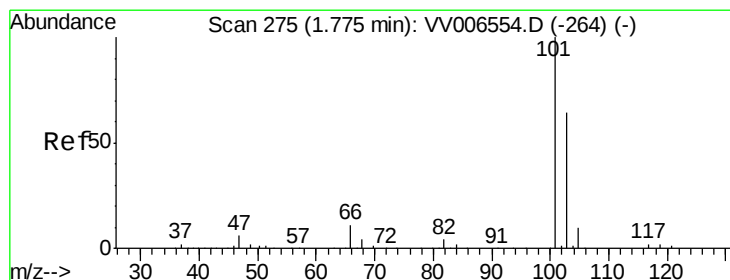
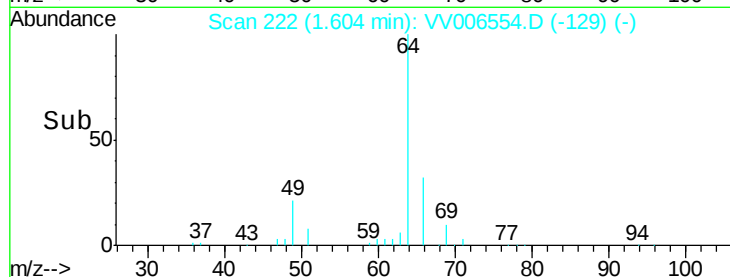
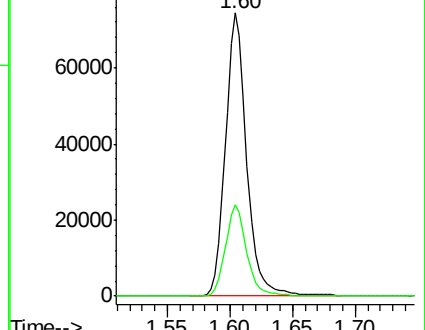
64 100

66 32.1 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006554.D (-211) (-)

Ion 66.05 (65.75 to 66.75): VV006554.D (-211) (-)



#9

Trichlorofluoromethane

Concen: 5.196 ug/L

RT: 1.77 min Scan# 275

Delta R.T. 0.00 min

Lab File: VV006554.D

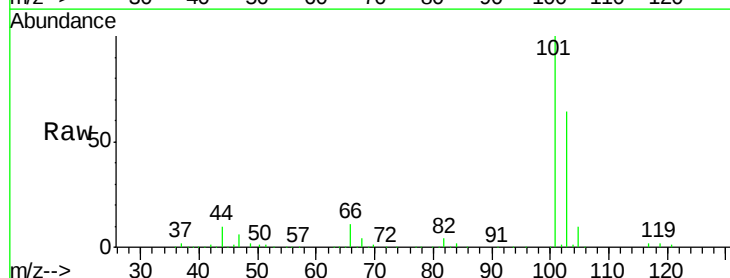
Acq: 07 Jul 2018 09:40

Tgt Ion: 101 Resp: 170271

Ion Ratio Lower Upper

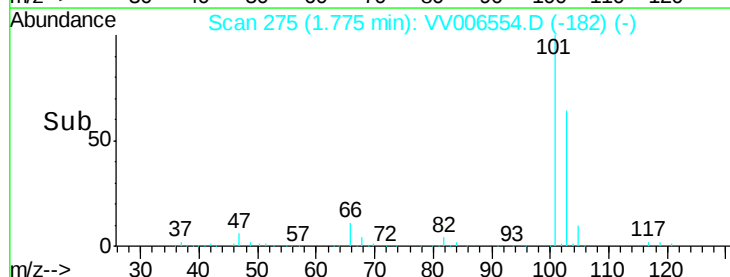
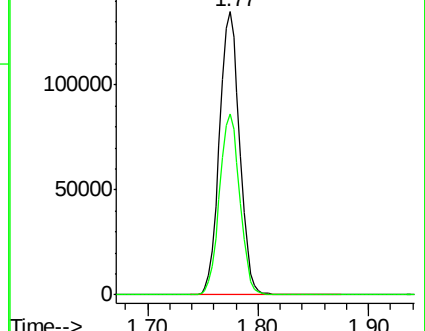
101 100

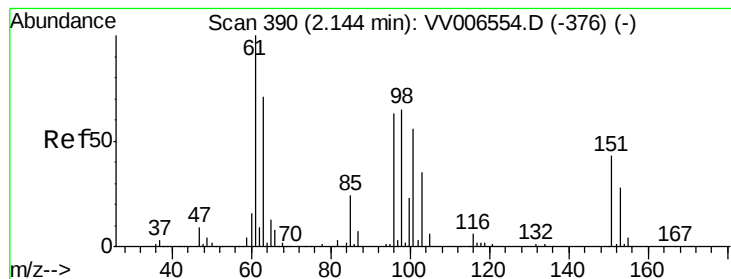
103 64.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006554.D (-264) (-)

Ion 103.00 (102.70 to 103.70): VV006554.D (-264) (-)





#10

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

Concen: 5.144 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

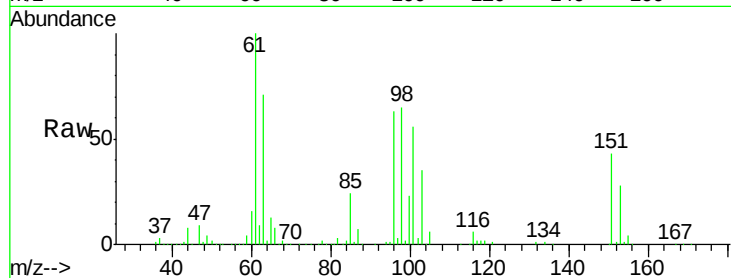
Tgt Ion: 101 Resp: 106170

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

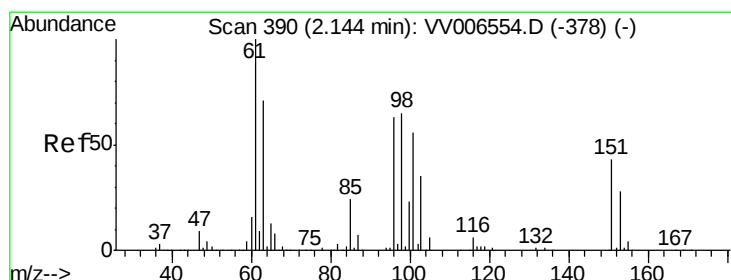
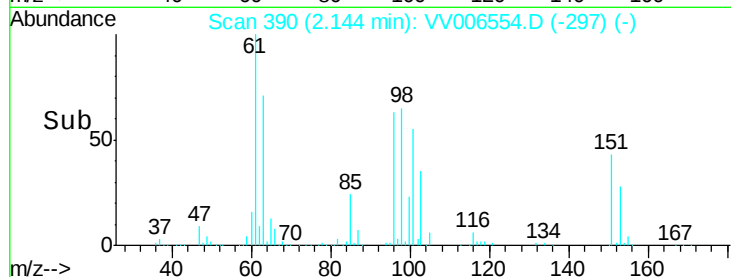
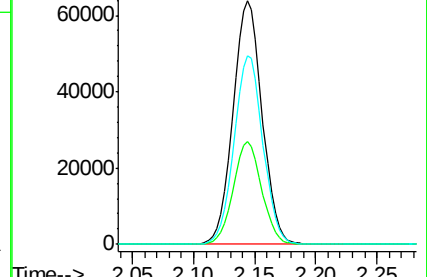
151 76.9 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): VV006554.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VV006554.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VV006554.D (-376) (-)



#12

1,1-Dichloroethene

Concen: 5.093 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

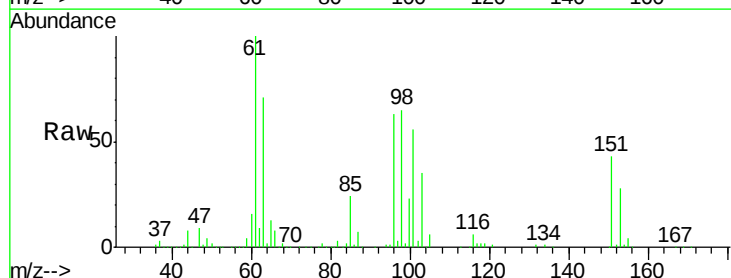
Tgt Ion: 96 Resp: 103227

Ion Ratio Lower Upper

96 100

61 158.2 110.7 205.7

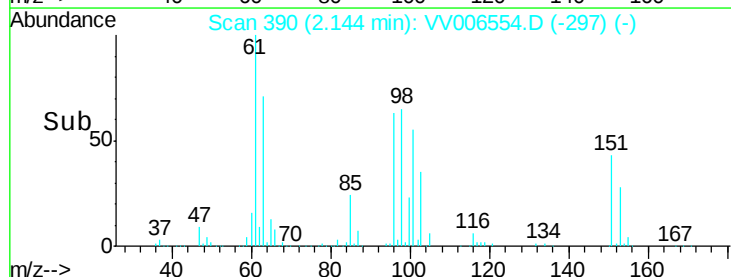
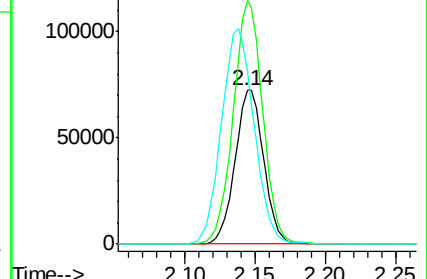
63 112.9 79.0 146.8

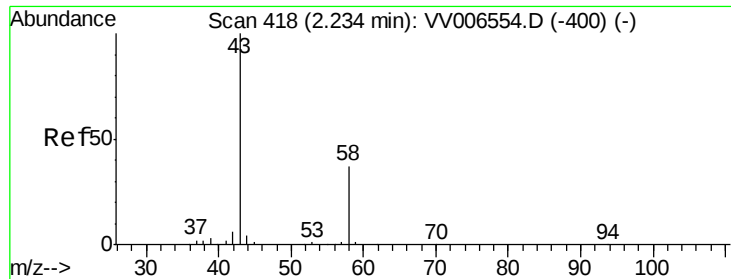


Abundance Ion 96.00 (95.70 to 96.70): VV006554.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VV006554.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VV006554.D (-378) (-)





#13

Acetone

Concen: 54.720 ug/L

RT: 2.23 min Scan# 418

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

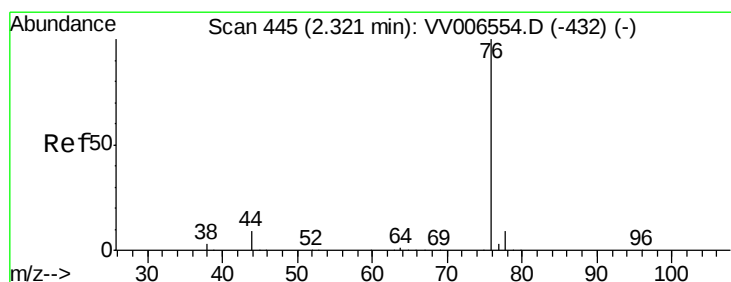
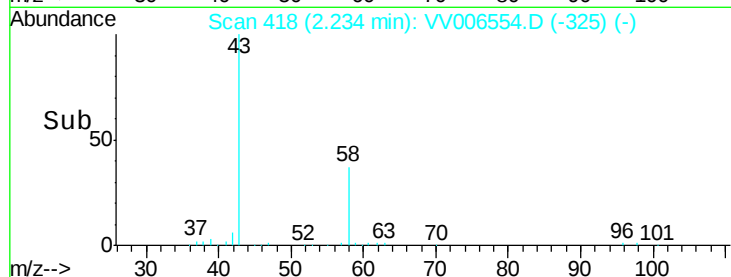
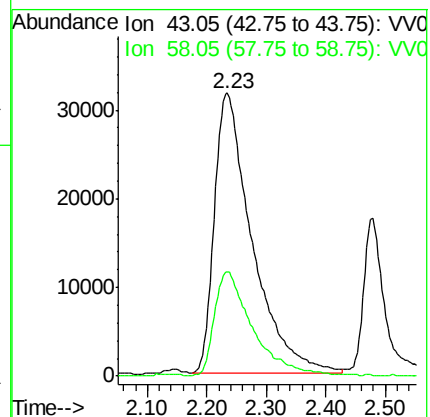
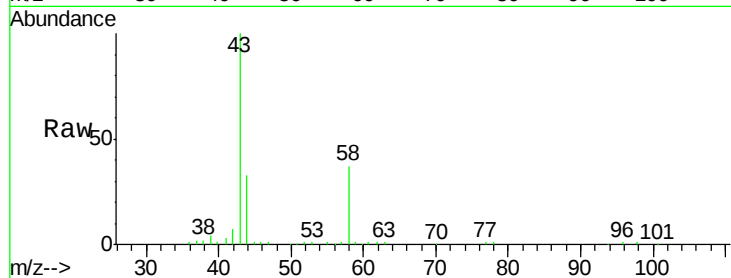
VSTD00563

Tgt Ion: 43 Resp: 138602

Ion Ratio Lower Upper

43 100

58 38.1 0.0 76.2



#14

Carbon disulfide

Concen: 5.306 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006554.D

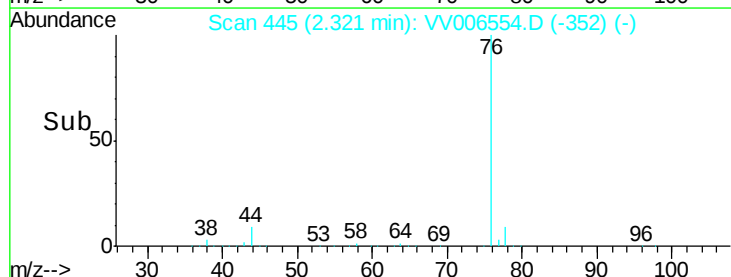
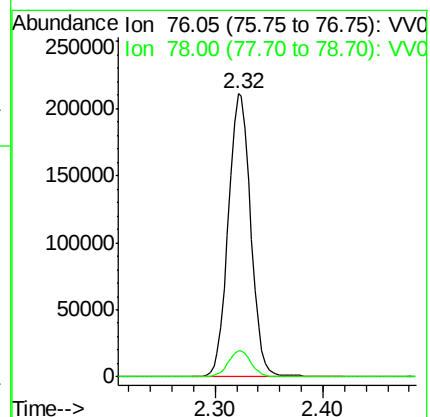
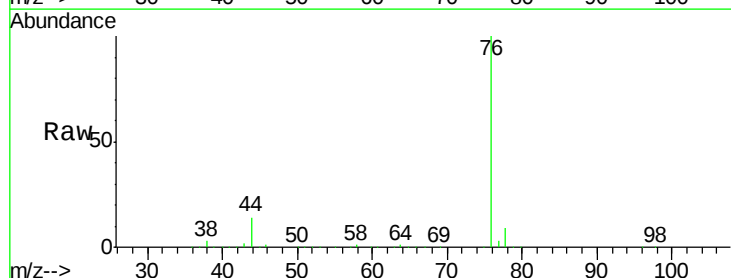
Acq: 07 Jul 2018 09:40

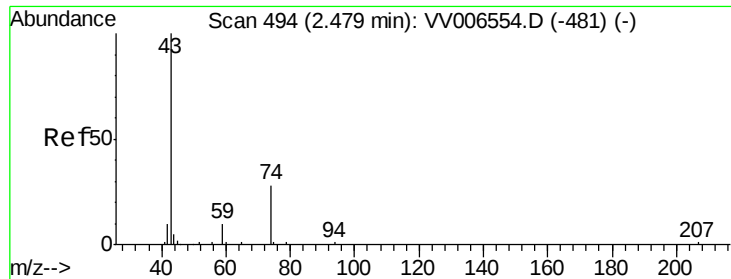
Tgt Ion: 76 Resp: 306862

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

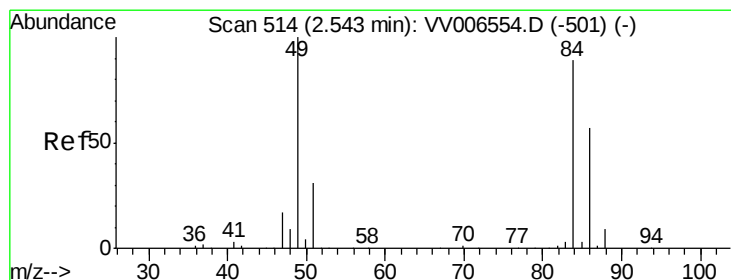
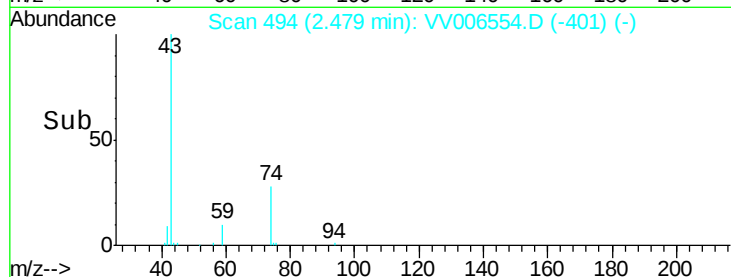
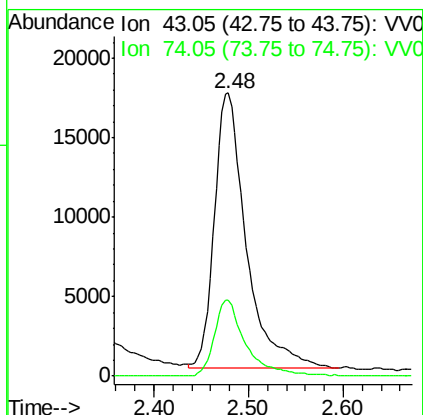
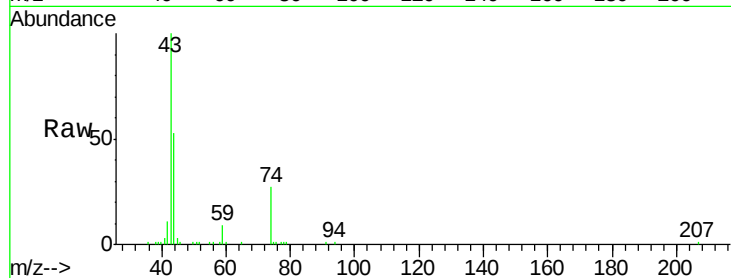




#15
Methyl Acetate
Concen: 5.444 ug/L
RT: 2.48 min Scan# 494
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

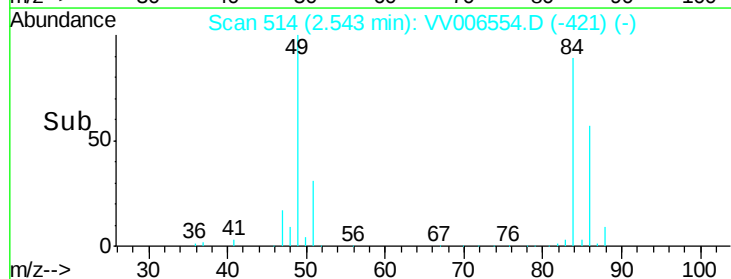
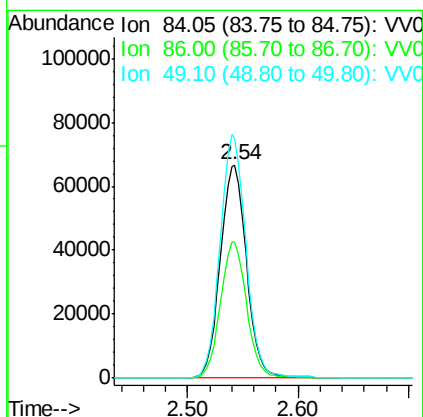
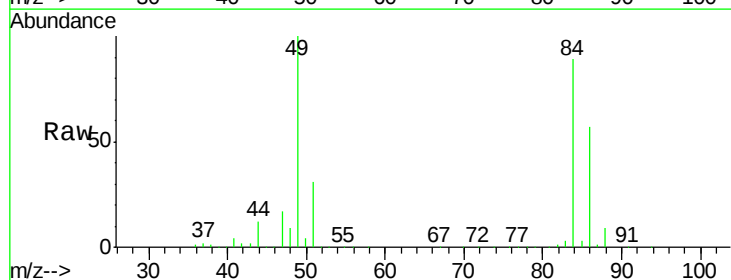
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

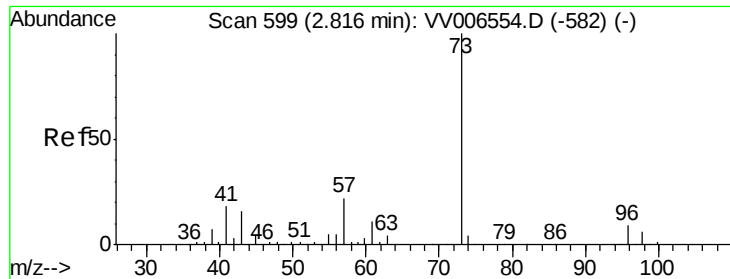
Tgt Ion: 43 Resp: 40611
Ion Ratio Lower Upper
43 100
74 27.3 21.8 32.6



#16
Methylene chloride
Concen: 4.669 ug/L
RT: 2.54 min Scan# 514
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

Tgt Ion: 84 Resp: 110151
Ion Ratio Lower Upper
84 100
86 63.8 44.7 82.9
49 112.4 78.7 146.1

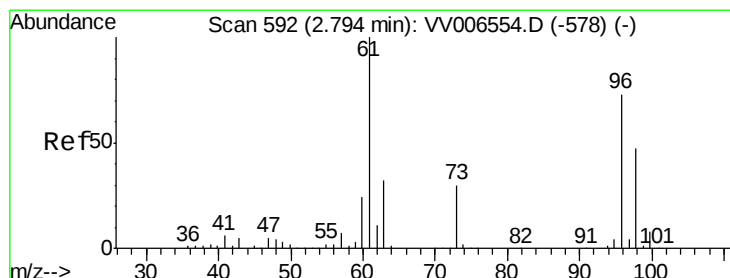
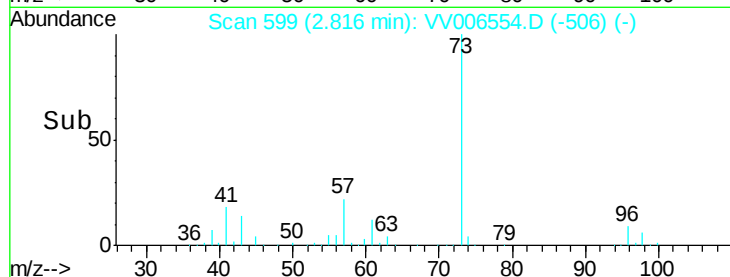
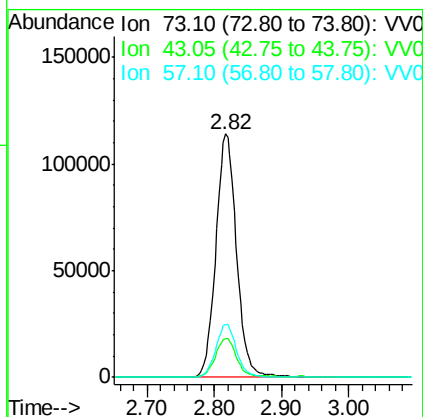
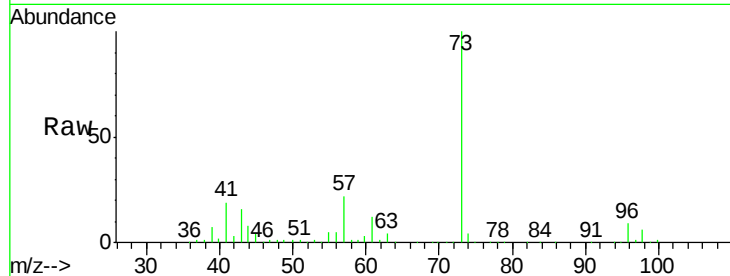




#17
Methyl tert-butyl Ether
Concen: 5.023 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

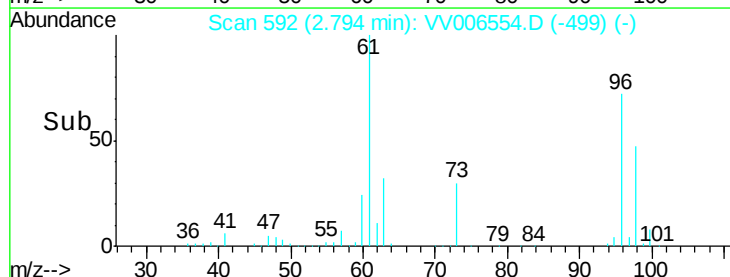
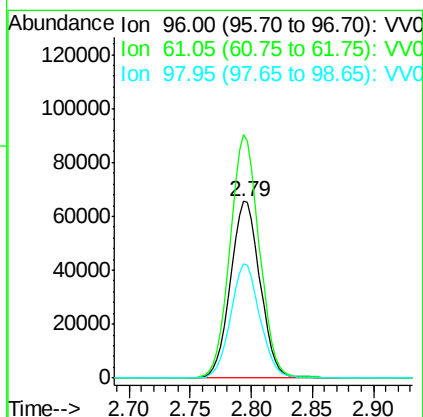
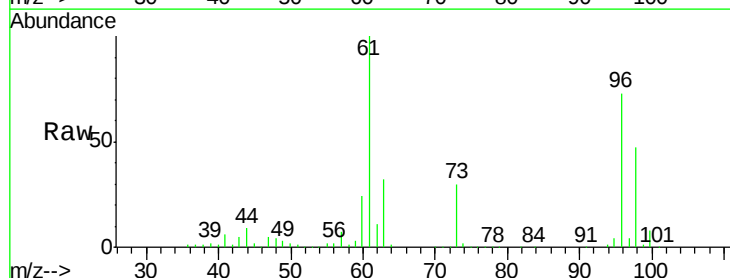
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

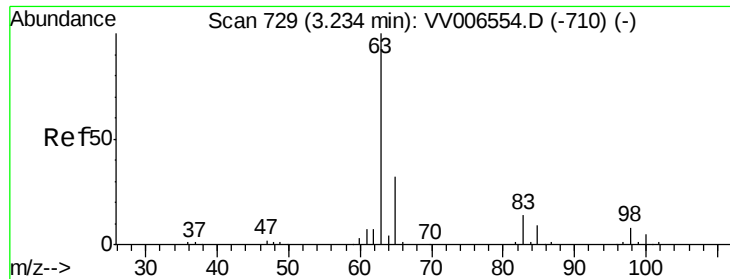
Tgt Ion: 73 Resp: 244844
Ion Ratio Lower Upper
73 100
43 15.6 12.5 18.7
57 22.1 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 5.057 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

Tgt Ion: 96 Resp: 111749
Ion Ratio Lower Upper
96 100
61 137.9 96.5 179.3
98 64.4 45.1 83.7

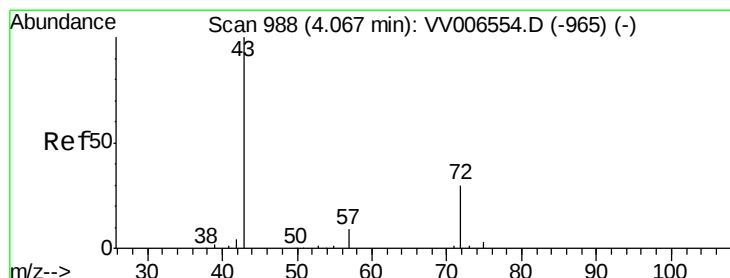
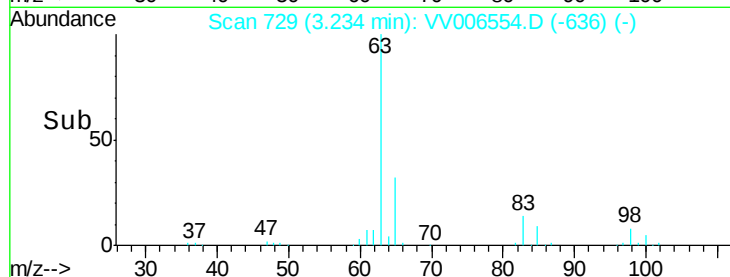
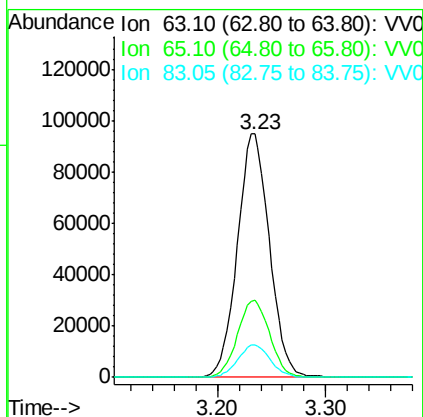
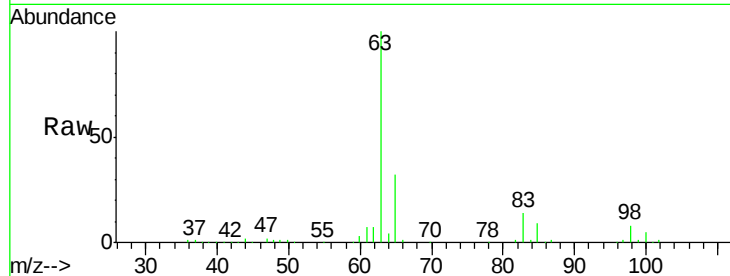




#19
 1,1-Dichloroethane
 Concen: 4.989 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

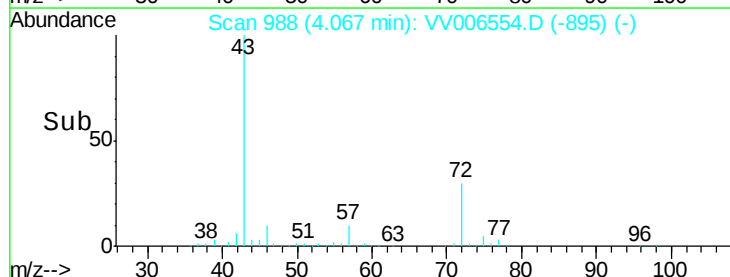
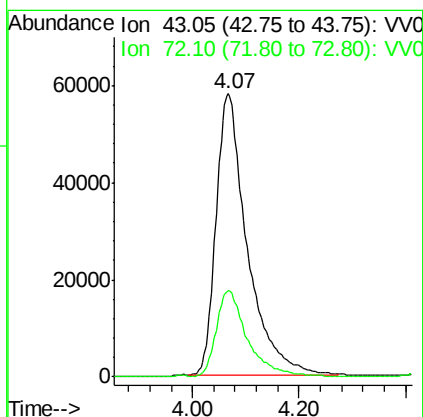
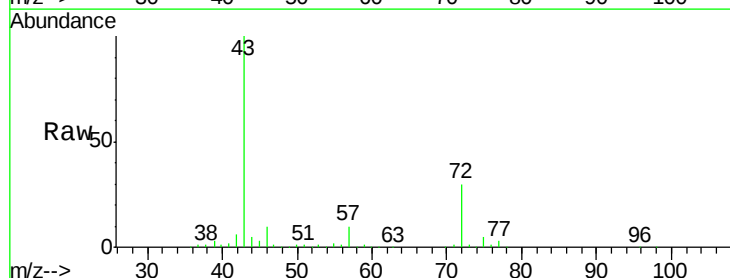
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

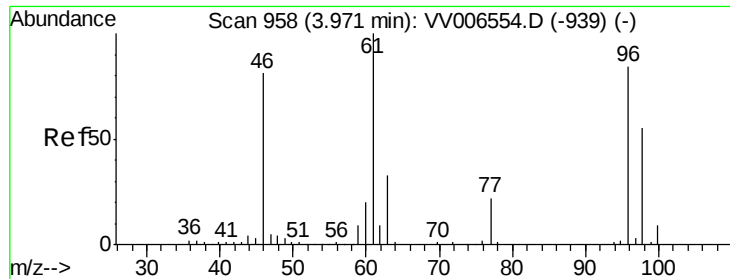
Tgt Ion: 63 Resp: 195794
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 41.0
 83 13.6 9.5 17.7



#21
 2-Butanone
 Concen: 51.125 ug/L
 RT: 4.07 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

Tgt Ion: 43 Resp: 234166
 Ion Ratio Lower Upper
 43 100
 72 30.2 15.1 45.3



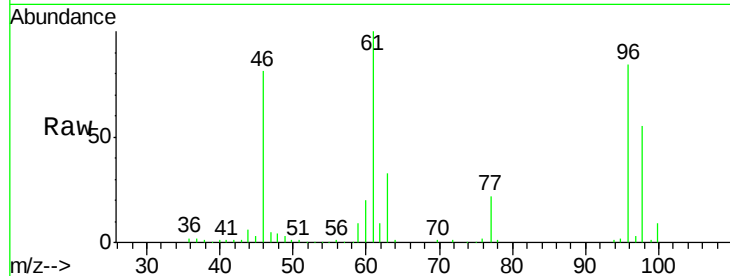


#22

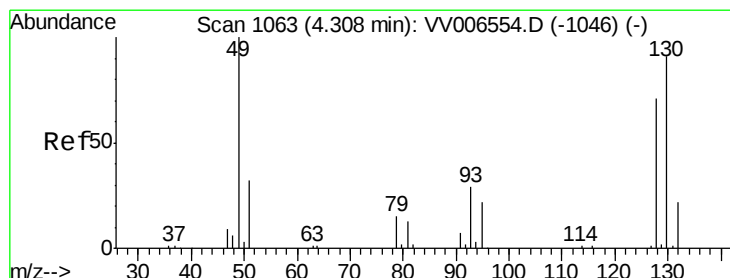
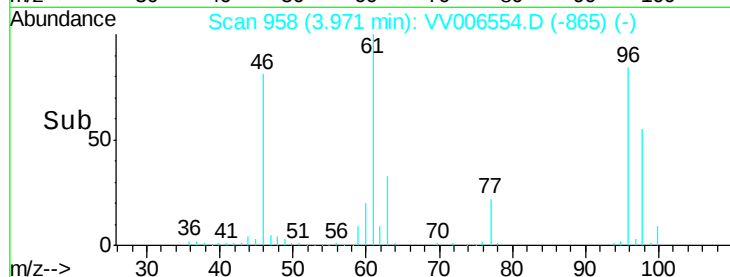
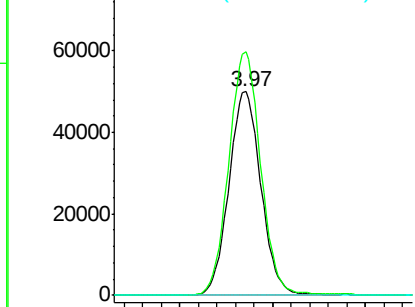
cis-1,2-Dichloroethene
Concen: 4.963 ug/L
RT: 3.97 min Scan# 958
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

Instrument :
MSVOA_V
ClientSampled :
VSTD00563

Tgt Ion: 96 Resp: 119989
Ion Ratio Lower Upper
96 100
61 119.7 83.8 155.6
68 0.0 0.0 0.0



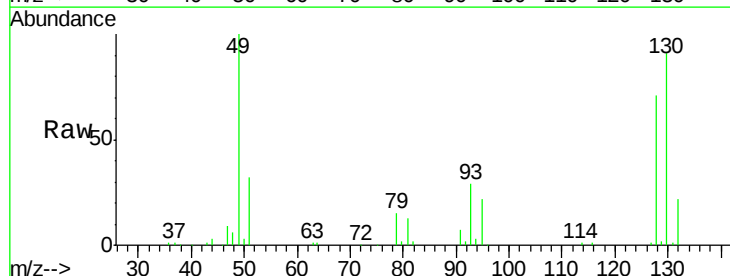
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



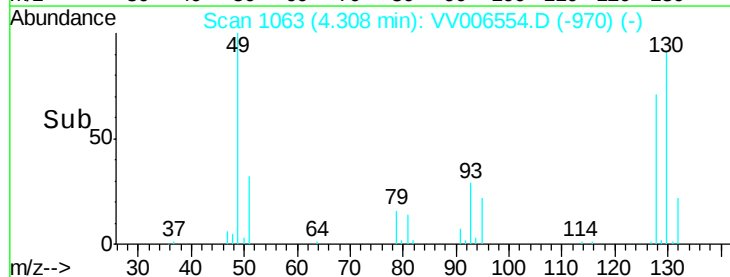
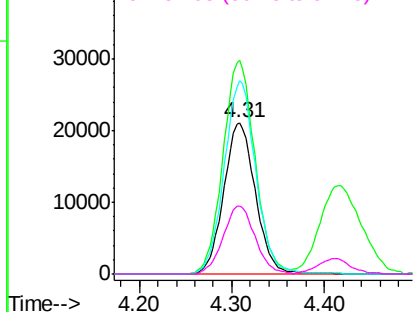
#23

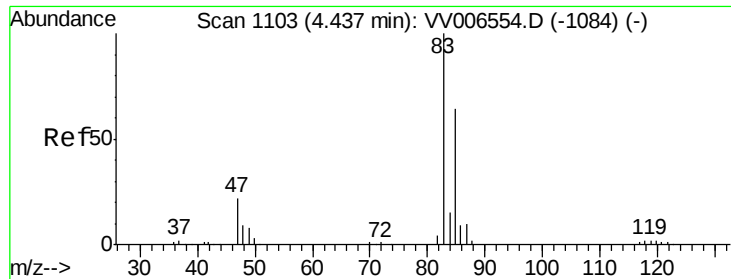
Bromochloromethane
Concen: 5.065 ug/L
RT: 4.31 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

Tgt Ion: 128 Resp: 49963
Ion Ratio Lower Upper
128 100
49 141.1 98.8 183.4
130 127.8 89.5 166.1
51 45.2 36.2 54.2



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

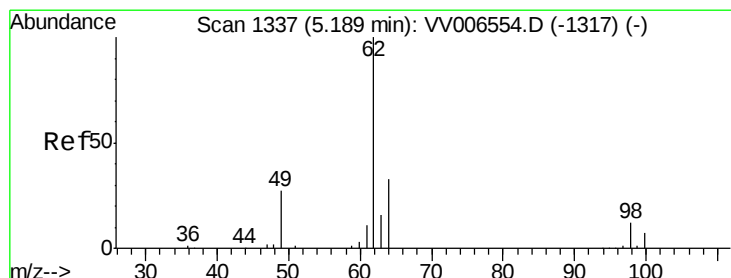
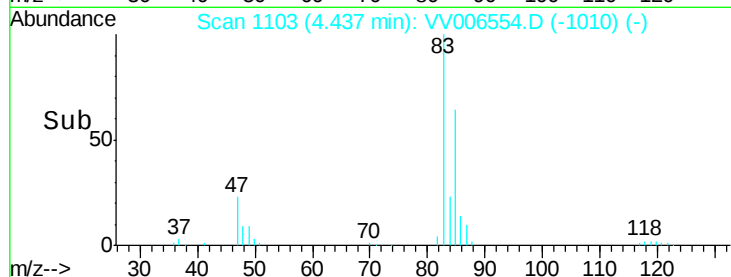
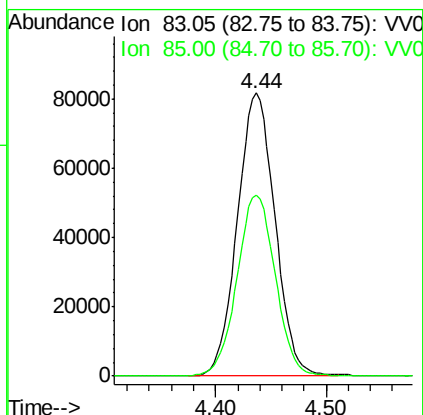
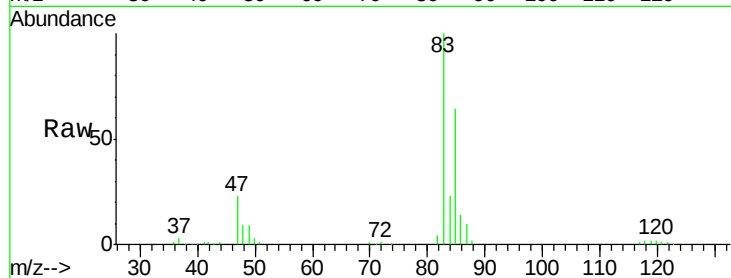




#25
Chloroform
Concen: 4.909 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

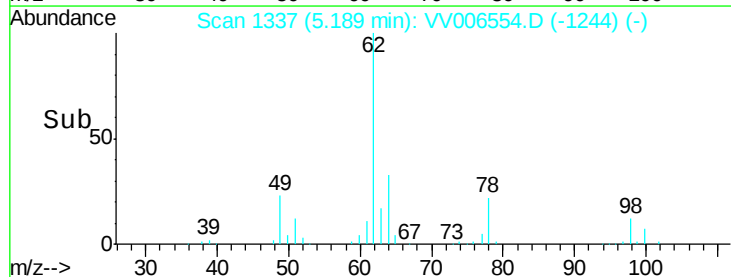
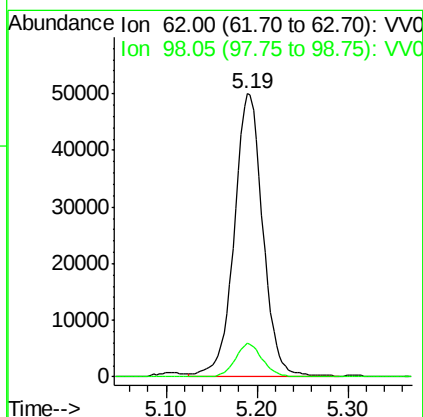
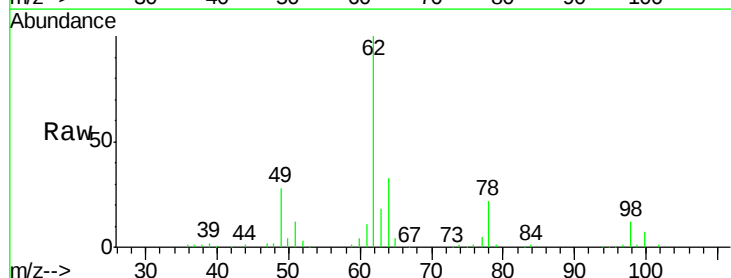
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

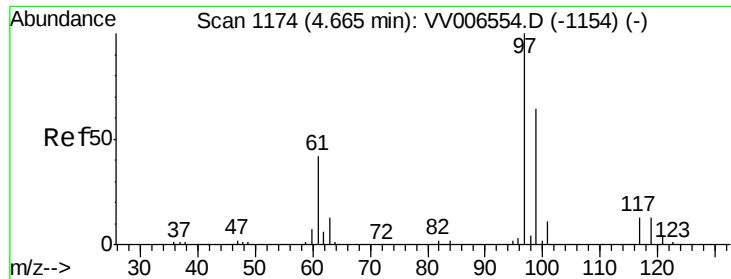
Tgt Ion: 83 Resp: 193402
Ion Ratio Lower Upper
83 100
85 64.0 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.914 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

Tgt Ion: 62 Resp: 108676
Ion Ratio Lower Upper
62 100
98 11.9 9.5 14.3

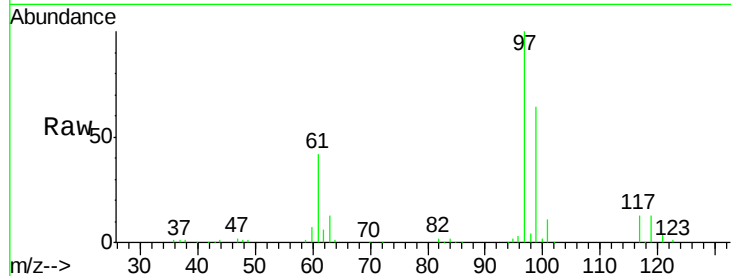




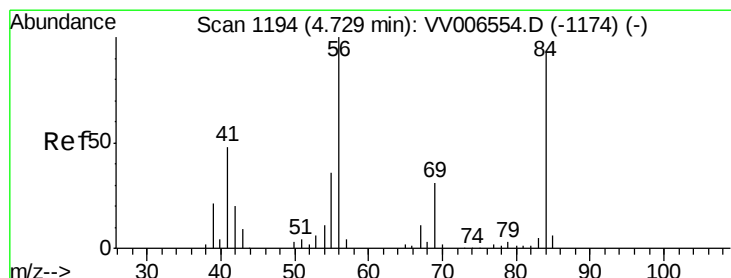
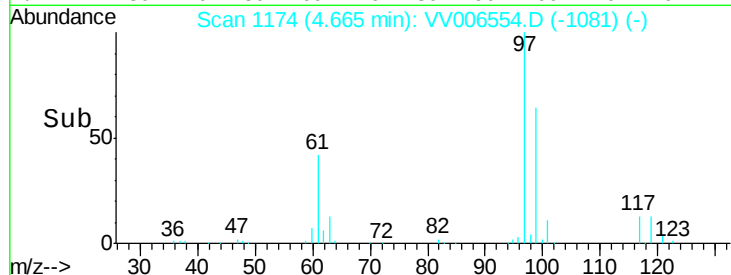
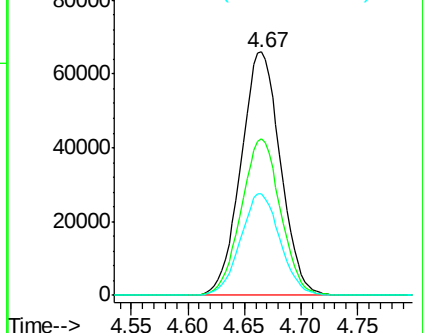
#29
 1,1,1-Trichloroethane
 Concen: 4.871 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion: 97 Resp: 160218
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.2 76.8
 61 42.1 33.7 50.5

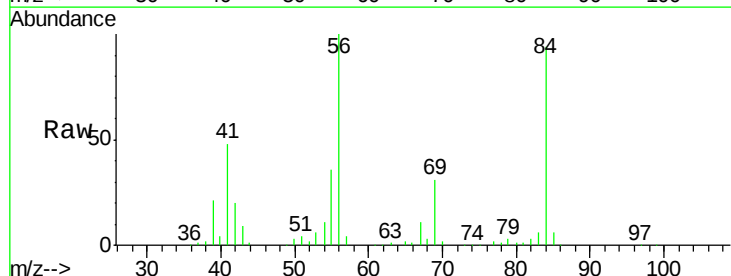


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

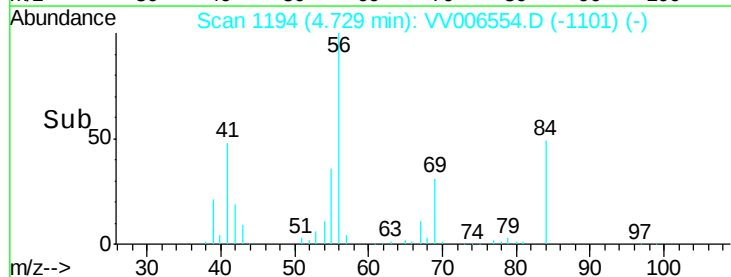
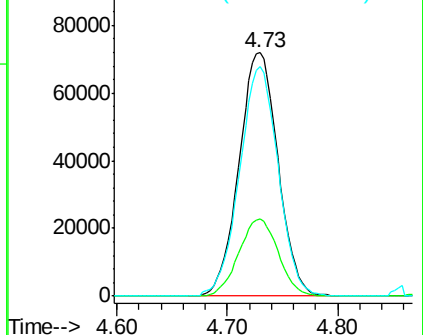


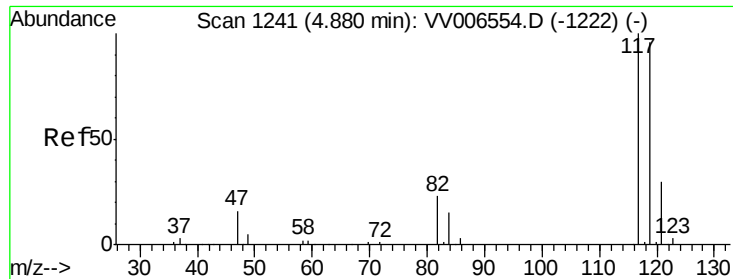
#30
 Cyclohexane
 Concen: 5.272 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

Tgt Ion: 56 Resp: 176467
 Ion Ratio Lower Upper
 56 100
 69 31.9 25.5 38.3
 84 93.4 74.7 112.1



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





#31

Carbon tetrachloride

Concen: 4.918 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

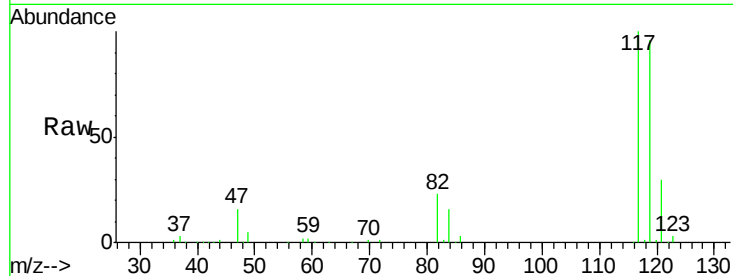
VSTD00563

Tgt Ion:117 Resp: 136157

Ion Ratio Lower Upper

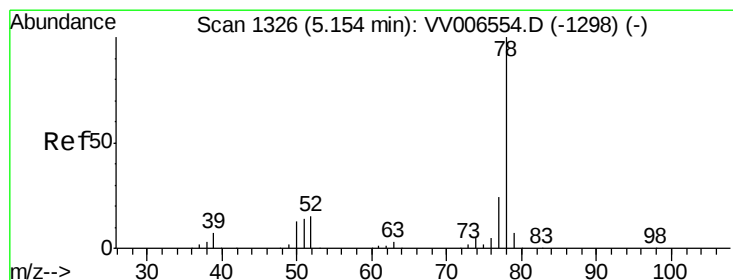
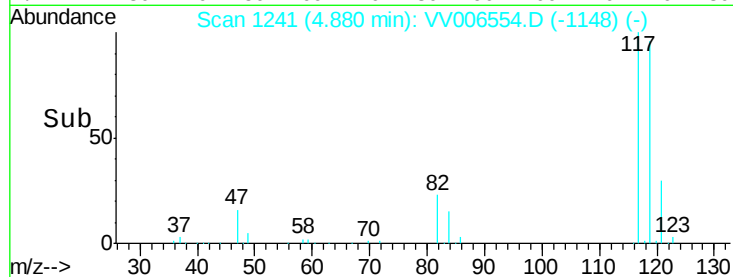
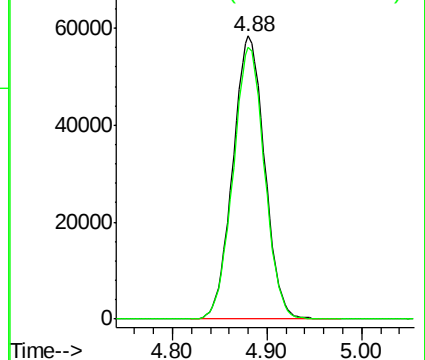
117 100

119 95.0 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.060 ug/L

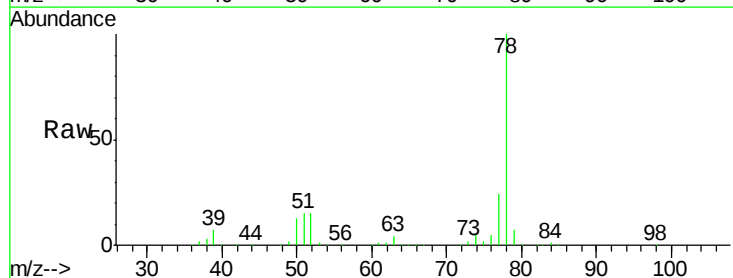
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

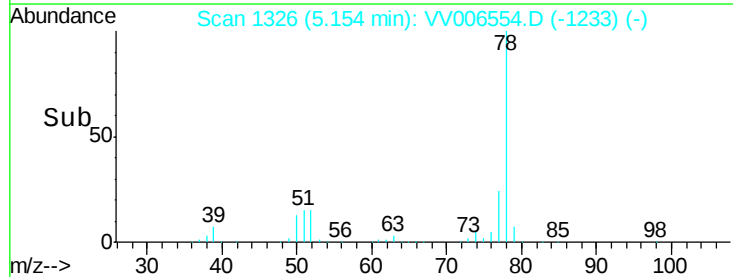
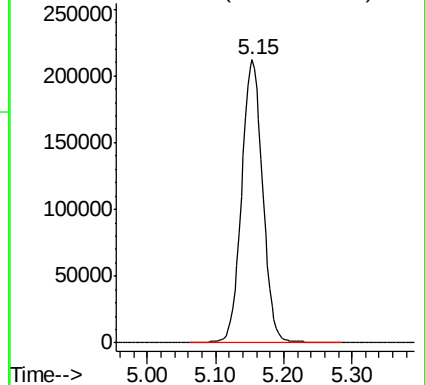
Lab File: VV006554.D

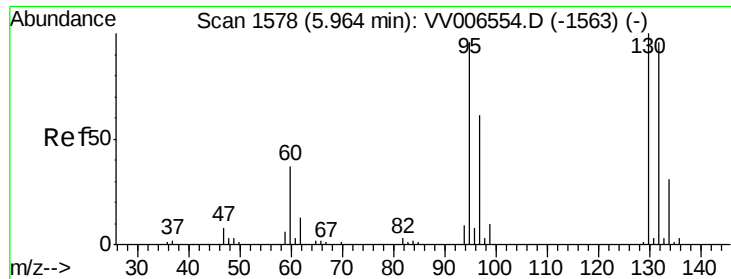
Acq: 07 Jul 2018 09:40

Tgt Ion: 78 Resp: 455804



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.585 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion: 95 Resp: 116206

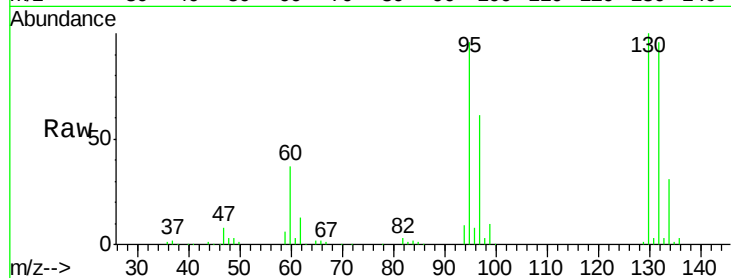
Ion Ratio Lower Upper

95 100

97 63.3 44.3 82.3

132 100.0 70.0 130.0

130 103.8 72.7 134.9

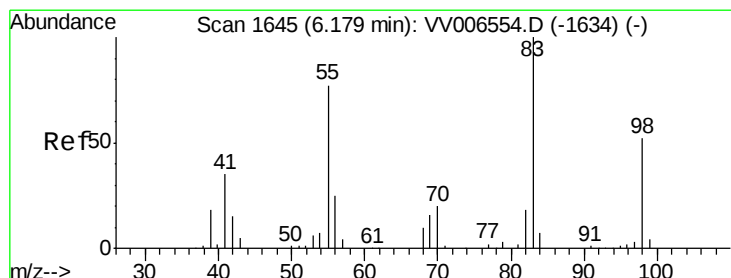
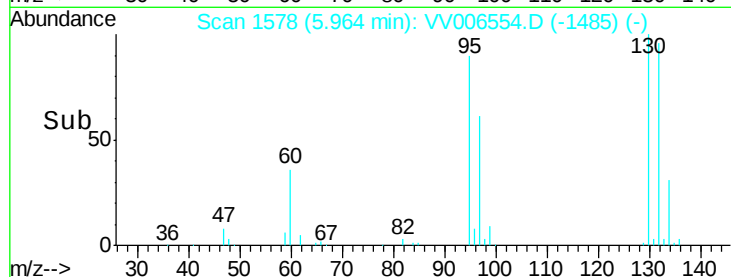
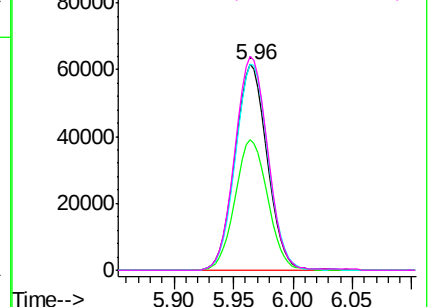


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.280 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

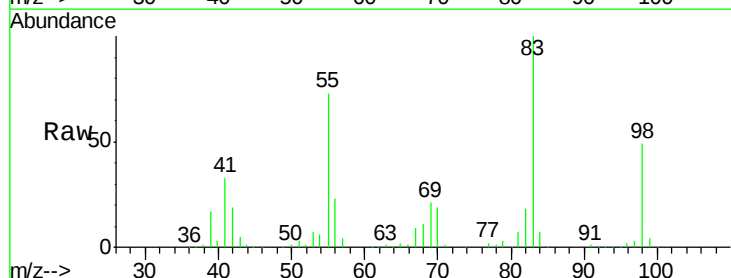
Tgt Ion: 83 Resp: 198635

Ion Ratio Lower Upper

83 100

55 72.9 58.3 87.5

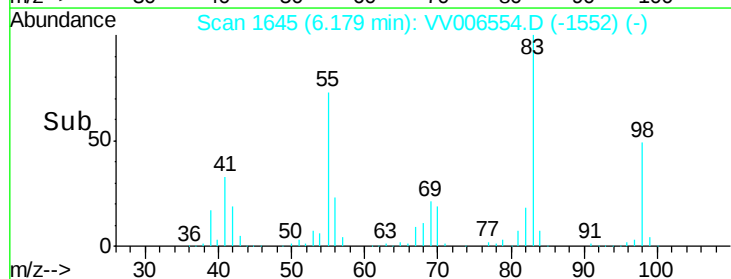
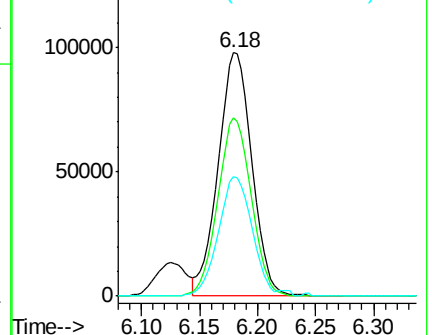
98 49.1 39.3 58.9

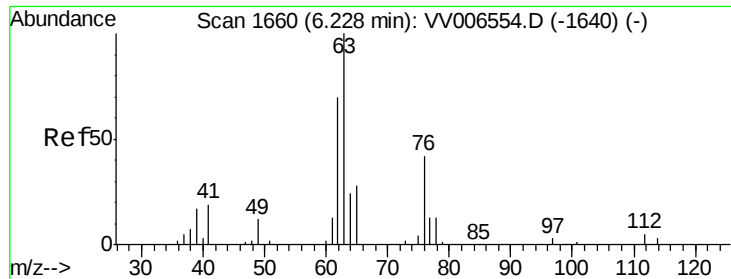


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

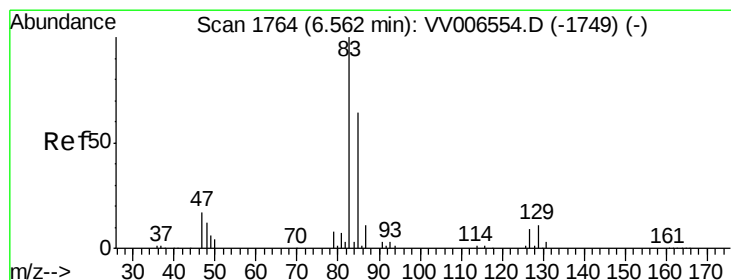
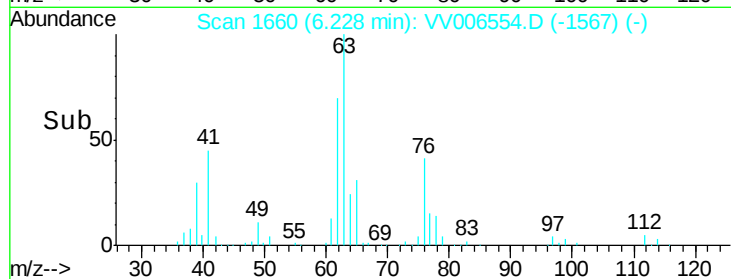
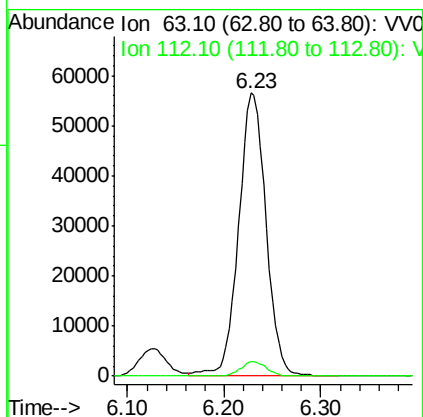
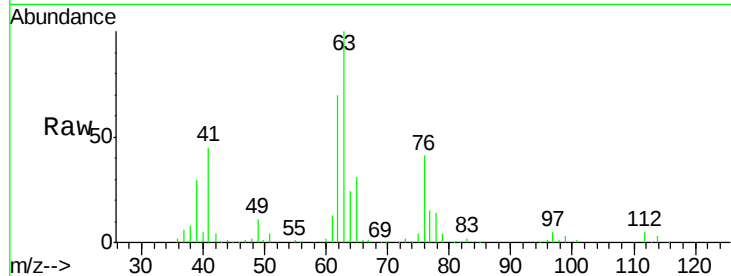




#37
 1,2-Dichloropropane
 Concen: 5.050 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

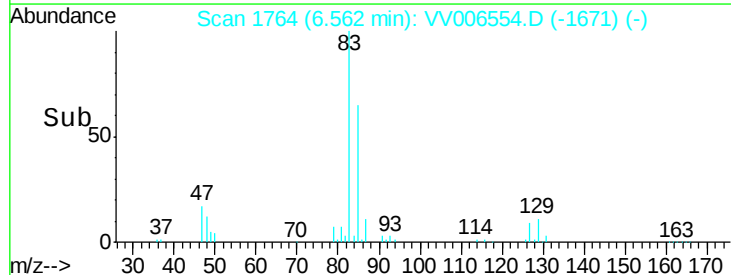
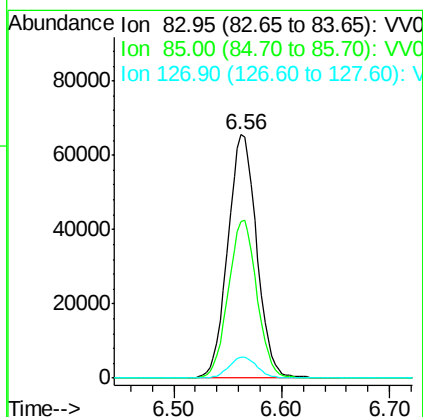
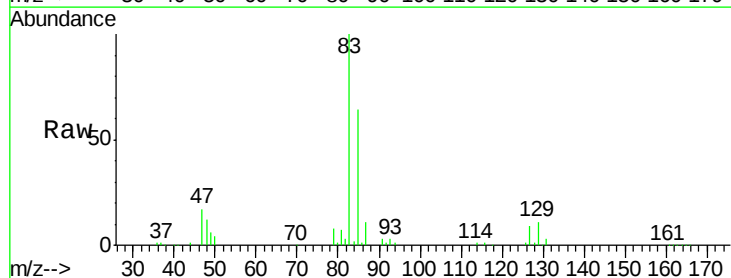
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

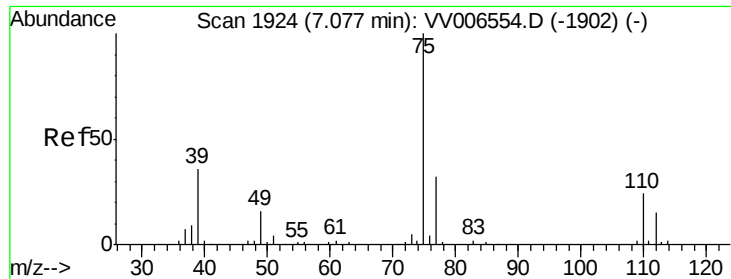
Tgt Ion: 63 Resp: 110830
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.872 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

Tgt Ion: 83 Resp: 122615
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 8.6 6.9 10.3

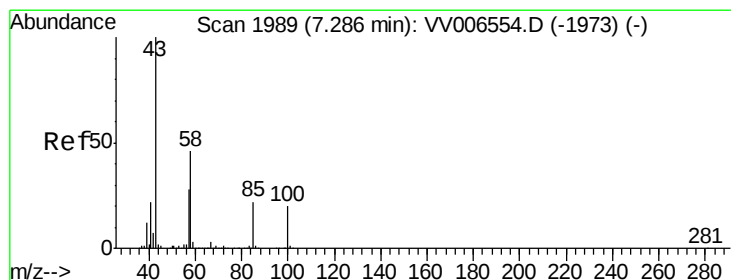
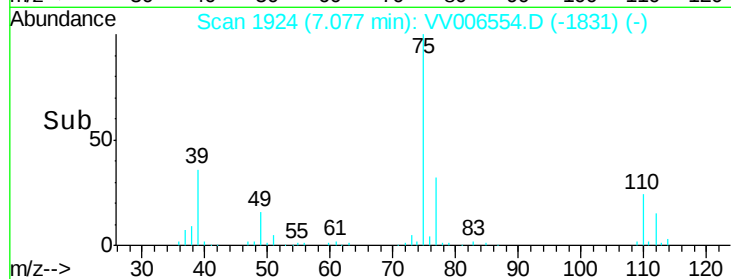
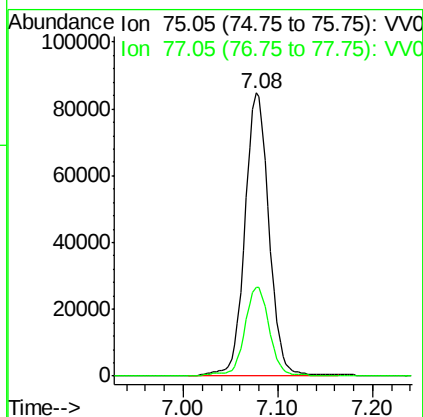
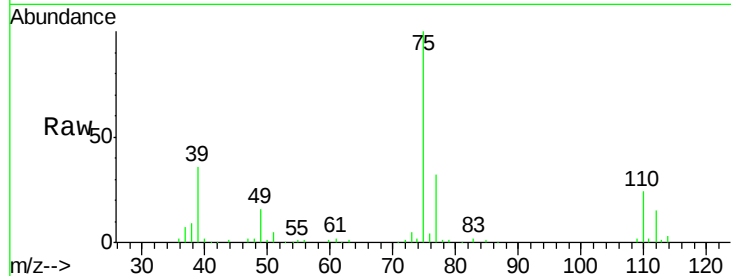




#39
 cis-1,3-Dichloropropene
 Concen: 4.966 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

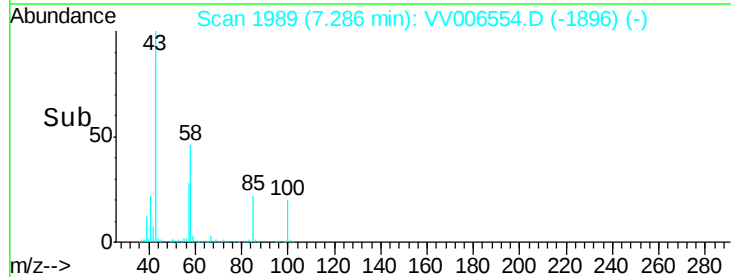
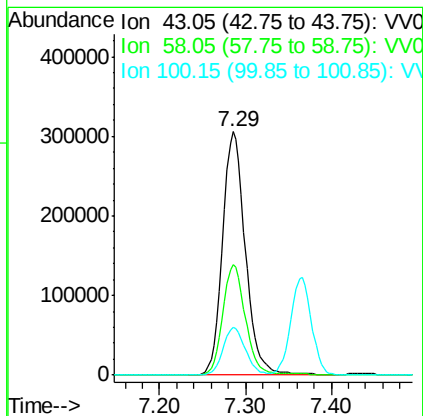
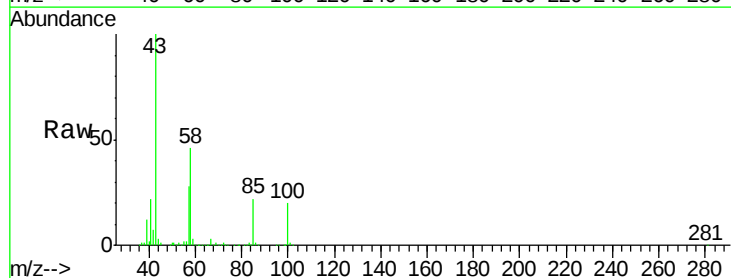
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

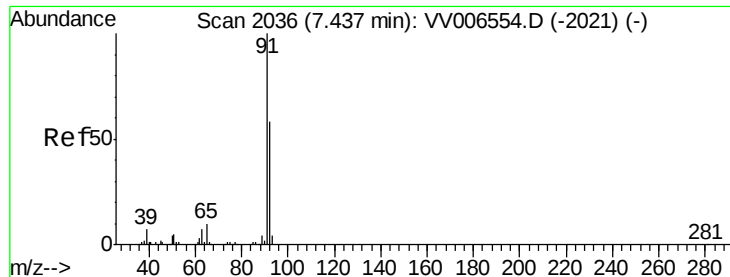
Tgt Ion: 75 Resp: 150900
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 52.511 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

Tgt Ion: 43 Resp: 566415
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.8 53.6
 100 19.2 15.4 23.0





#42

Toluene

Concen: 5.056 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

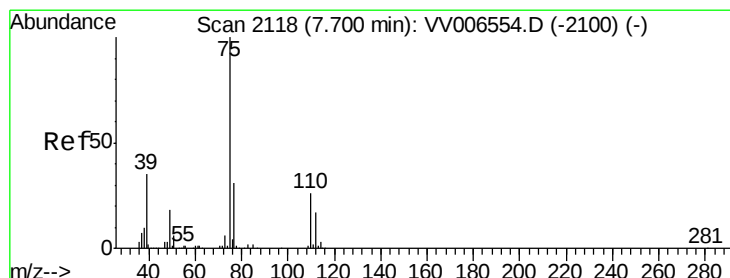
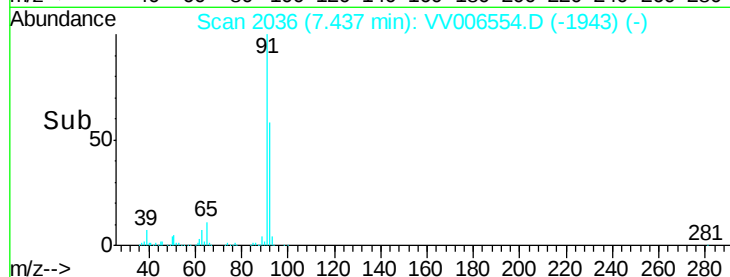
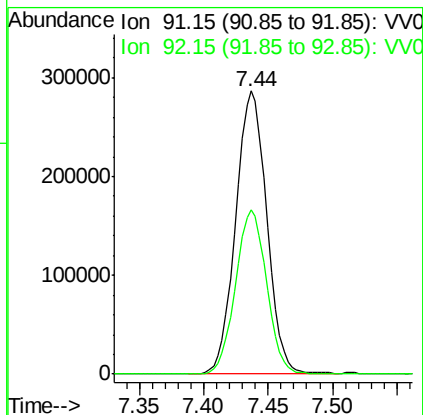
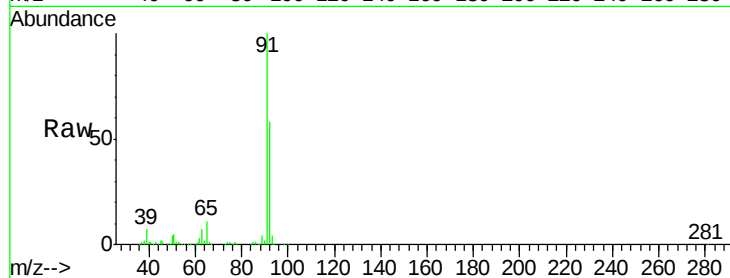
VSTD00563

Tgt Ion: 91 Resp: 481088

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.870 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006554.D

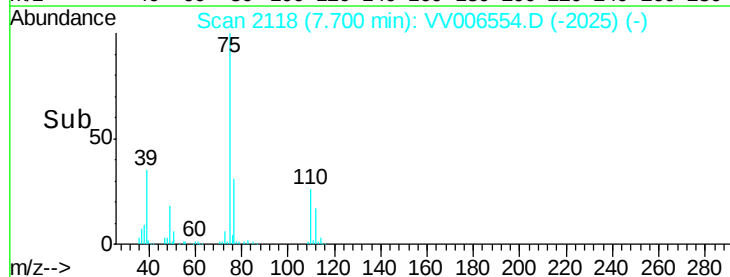
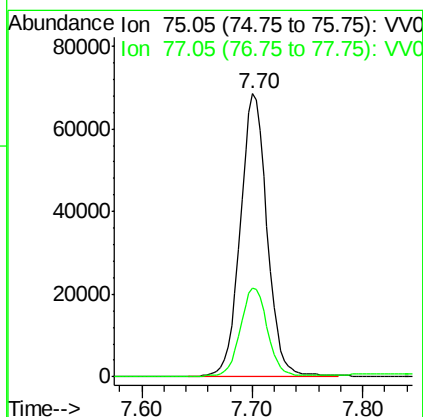
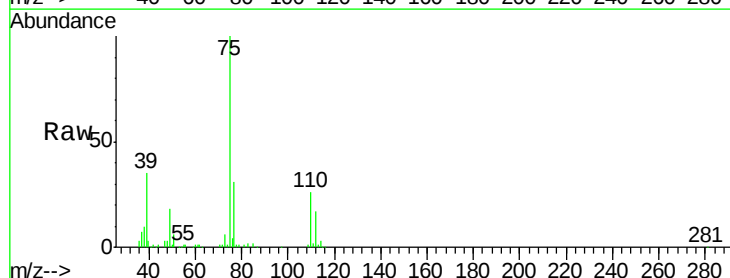
Acq: 07 Jul 2018 09:40

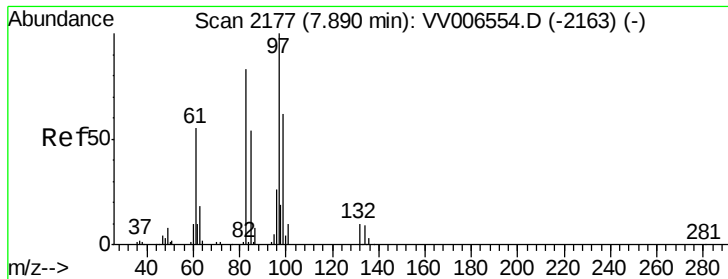
Tgt Ion: 75 Resp: 115651

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 5.114 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion: 97 Resp: 77781

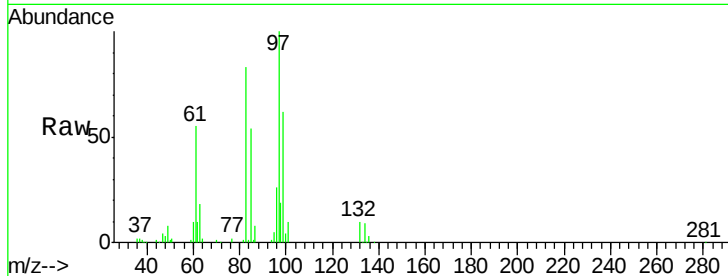
Ion Ratio Lower Upper

97 100

99 61.8 43.3 80.3

83 82.9 58.0 107.8

85 54.0 37.8 70.2

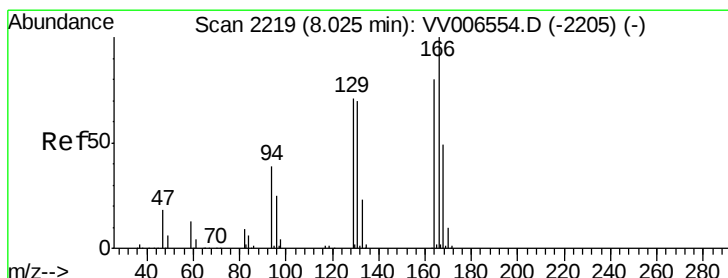
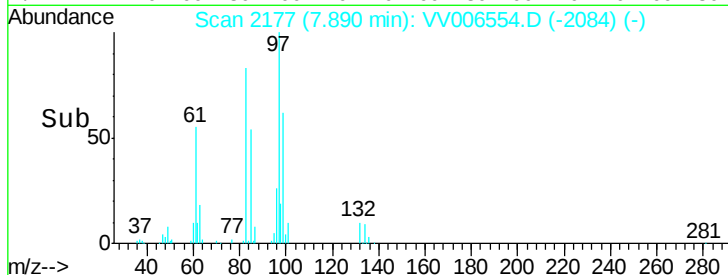
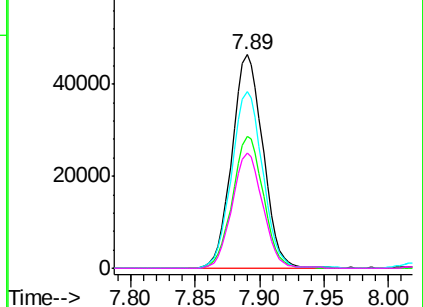


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.078 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Tgt Ion: 164 Resp: 98892

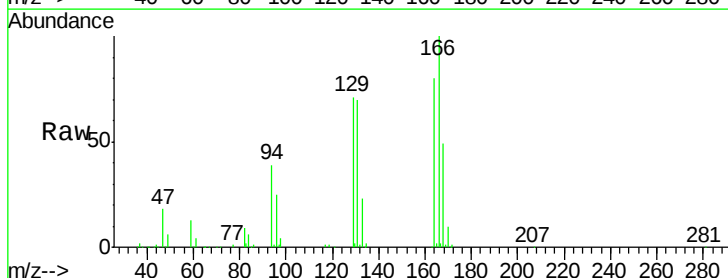
Ion Ratio Lower Upper

164 100

129 88.7 62.1 115.3

131 86.9 60.8 113.0

166 124.4 87.1 161.7

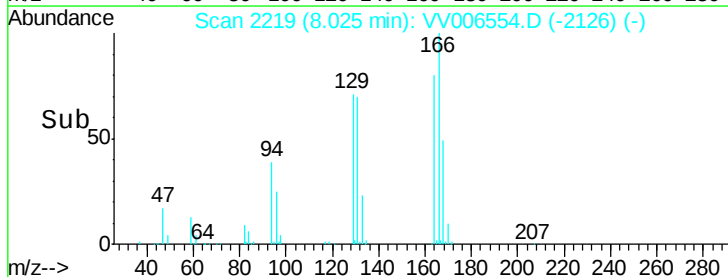
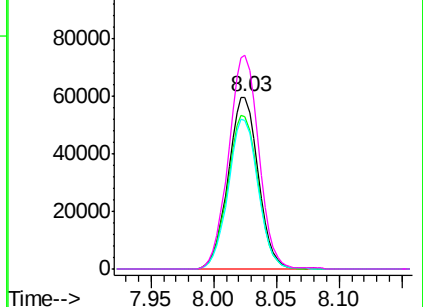


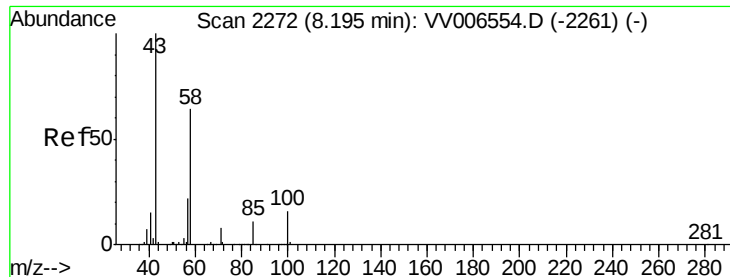
Abundance Ion 163.90 (163.60 to 164.60): V

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

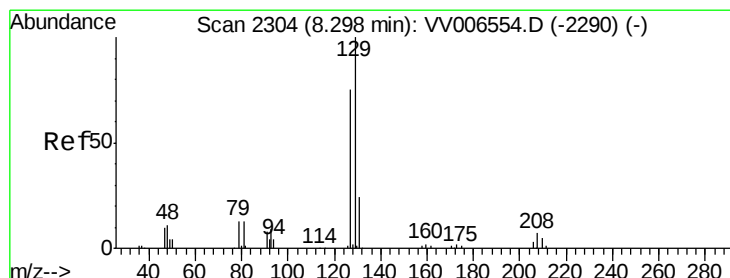
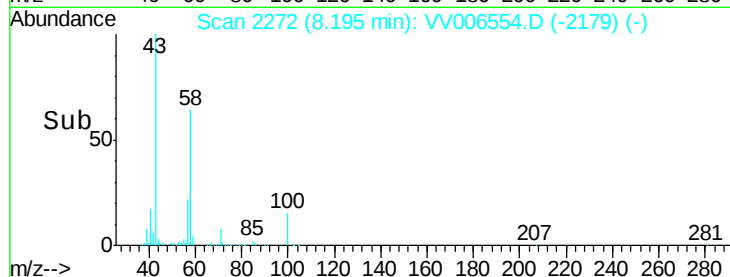
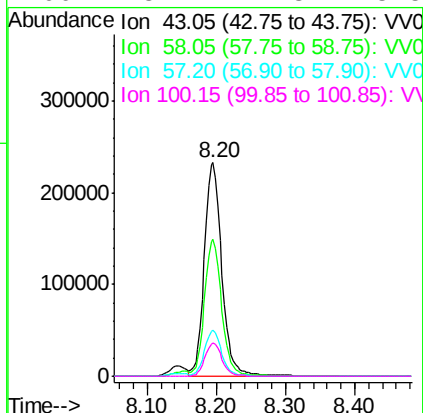
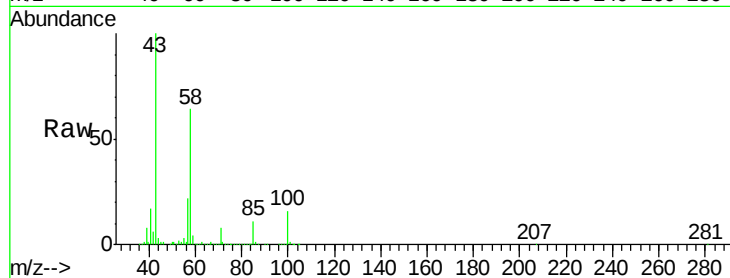




#48
2-Hexanone
Concen: 52.419 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

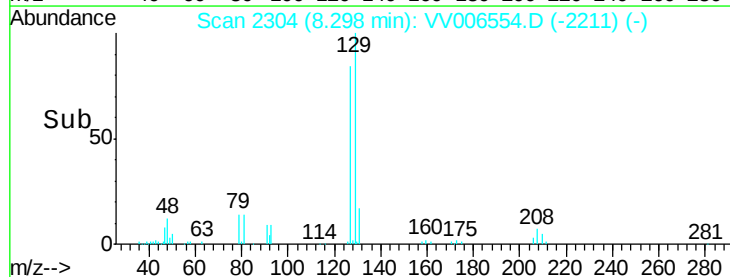
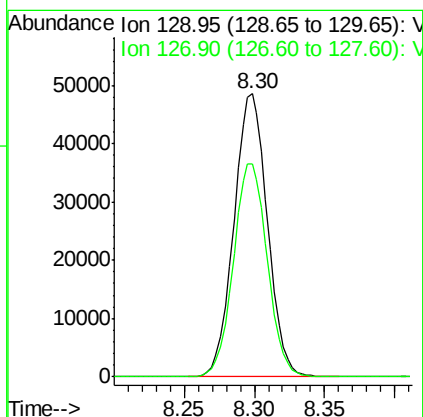
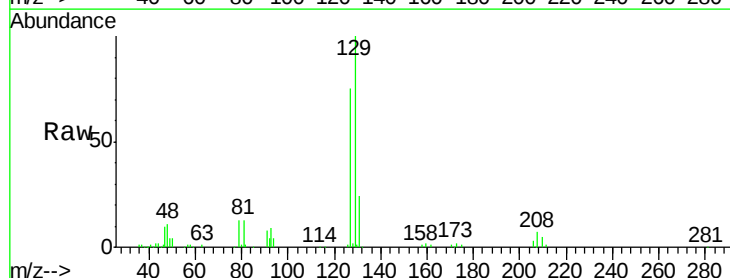
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

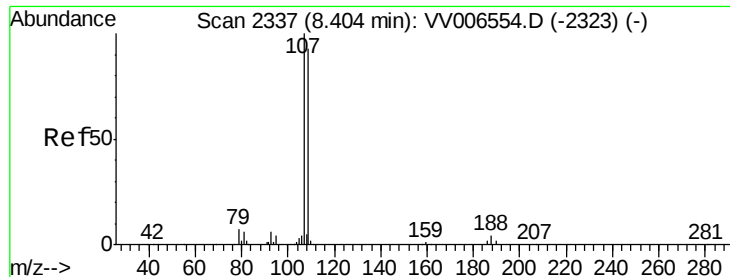
Tgt Ion:	43	Resp:	406255
Ion	Ratio	Lower	Upper
43	100		
58	62.9	50.3	75.5
57	21.2	17.0	25.4
100	15.4	12.3	18.5



#49
Dibromochloromethane
Concen: 5.008 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

Tgt Ion:	129	Resp:	80743
Ion	Ratio	Lower	Upper
129	100		
127	75.3	52.7	97.9

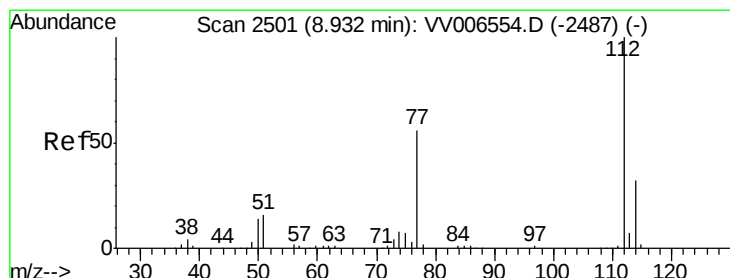
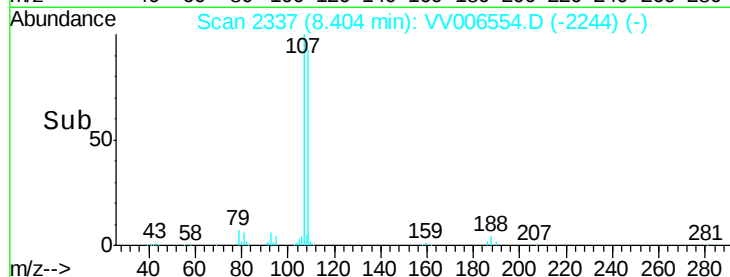
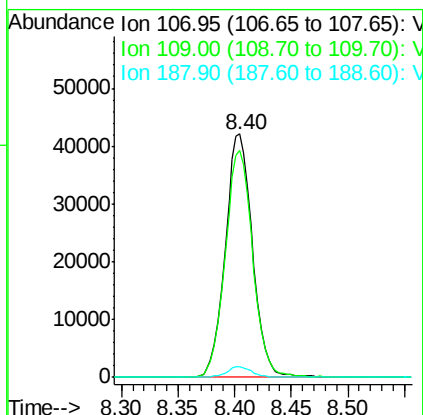
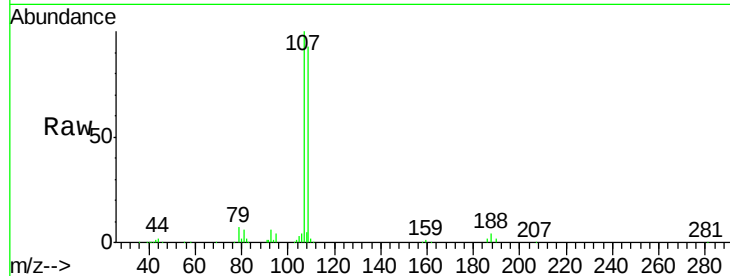




#50
1,2-Dibromoethane
Concen: 5.140 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

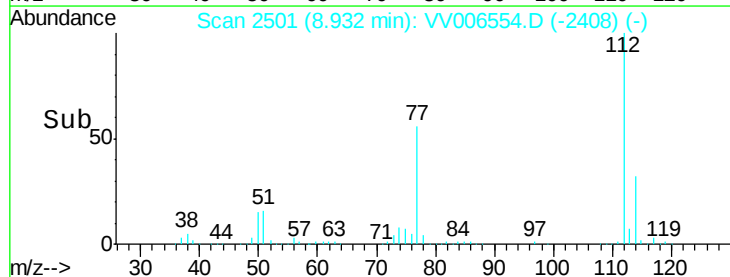
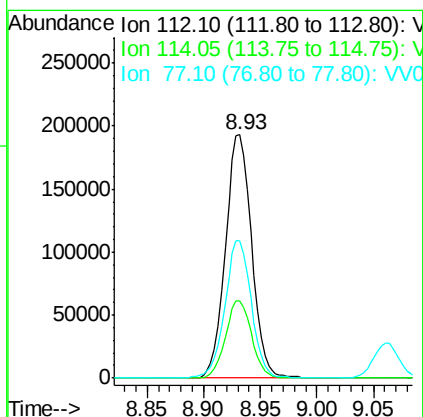
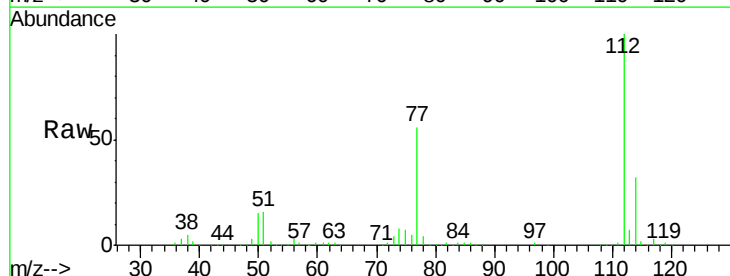
Instrument :
MSVOA_V
ClientSampled :
VSTD00563

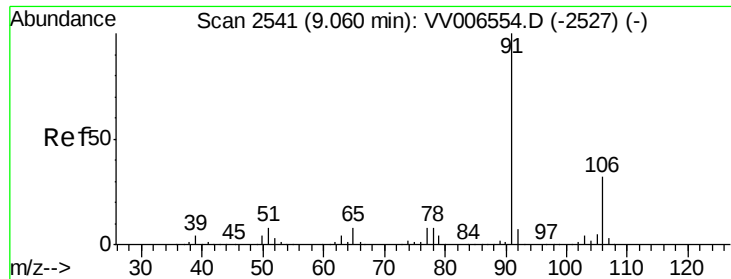
Tgt Ion:107 Resp: 70241
Ion Ratio Lower Upper
107 100
109 93.1 65.2 121.0
188 4.2 3.4 5.0



#51
Chlorobenzene
Concen: 4.967 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

Tgt Ion:112 Resp: 311807
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 56.4 45.1 67.7





#52

Ethylbenzene

Concen: 5.051 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

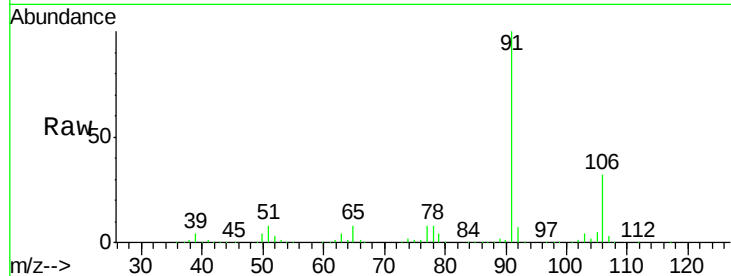
VSTD00563

Tgt Ion: 91 Resp: 519165

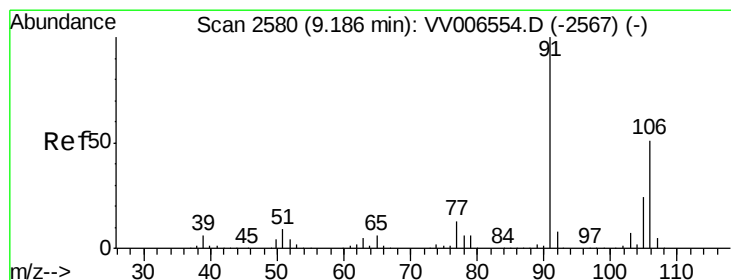
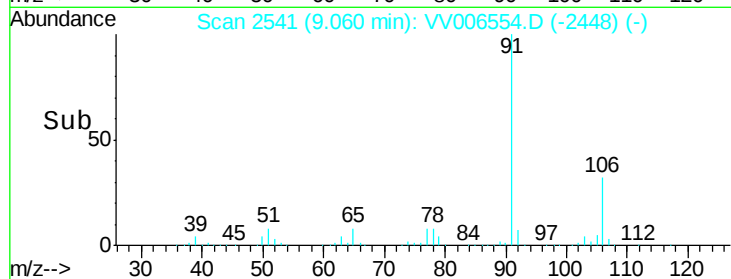
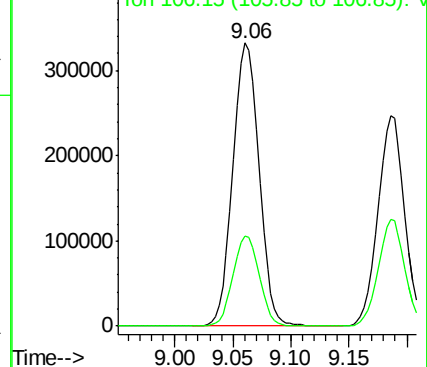
Ion Ratio Lower Upper

91 100

106 32.0 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV006554.D (-2527) (-)



#53

m,p-xylene

Concen: 5.070 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006554.D

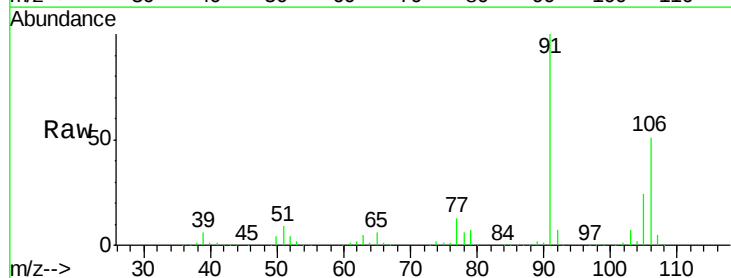
Acq: 07 Jul 2018 09:40

Tgt Ion: 106 Resp: 201178

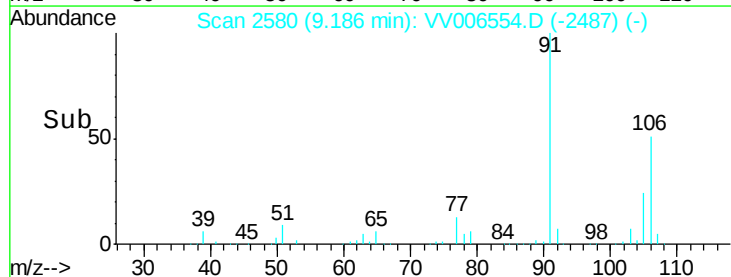
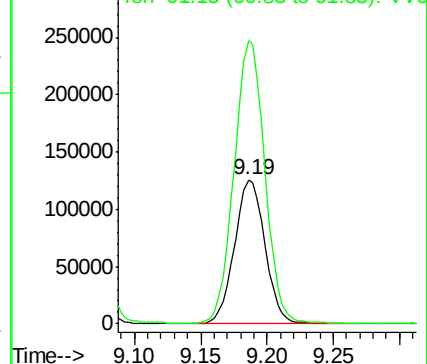
Ion Ratio Lower Upper

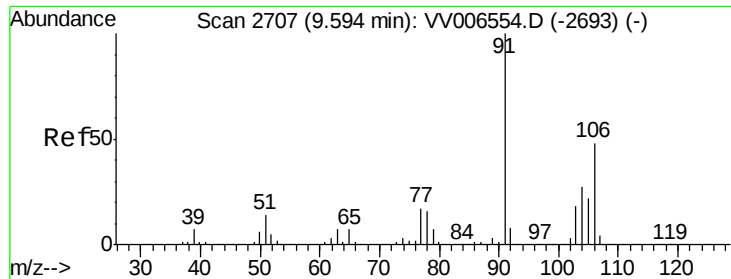
106 100

91 196.4 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV006554.D (-2580) (-)

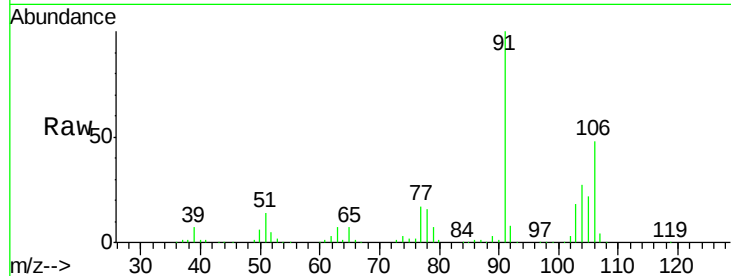




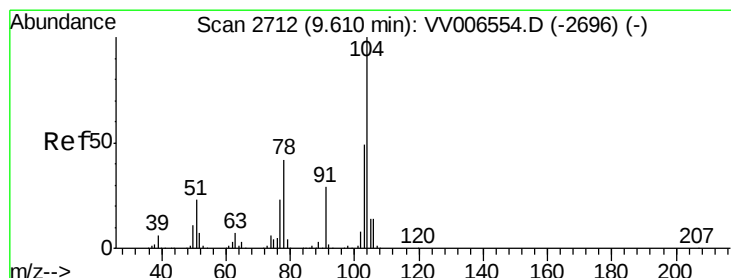
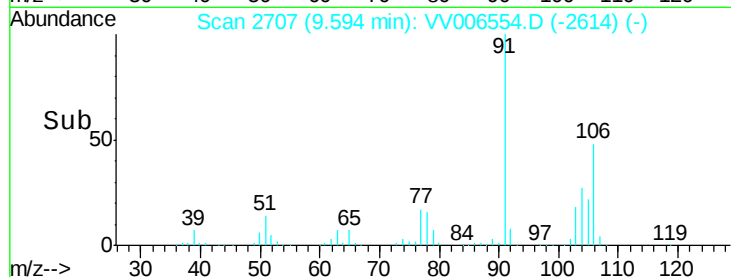
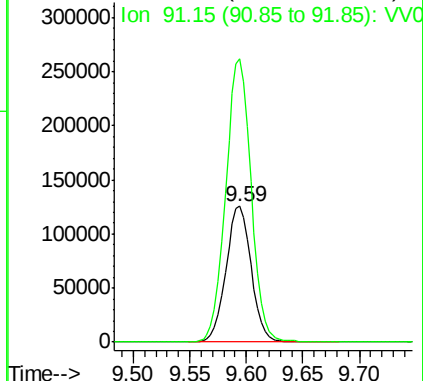
#54
o-xylene
Concen: 5.013 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion:106 Resp: 194670
Ion Ratio Lower Upper
106 100
91 208.7 146.1 271.3

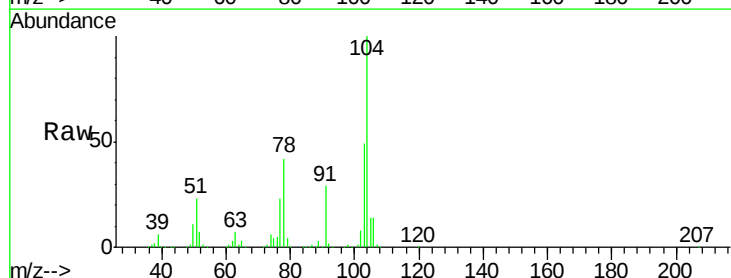


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

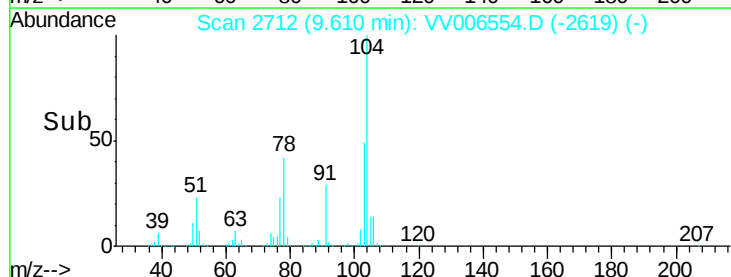
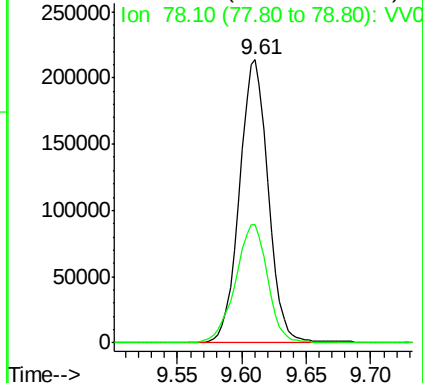


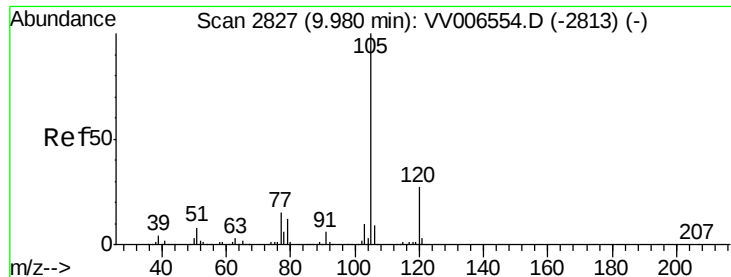
#55
Styrene
Concen: 5.193 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006554.D
Acq: 07 Jul 2018 09:40

Tgt Ion:104 Resp: 331558
Ion Ratio Lower Upper
104 100
78 41.6 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.043 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

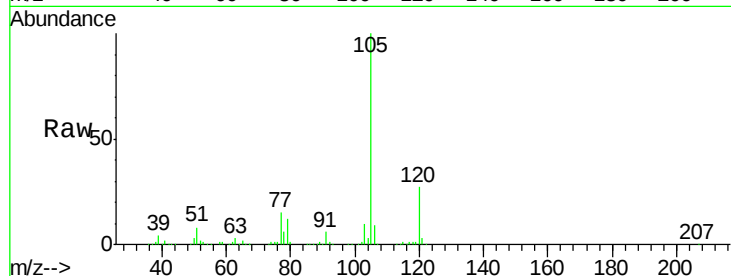
Tgt Ion: 105 Resp: 509698

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

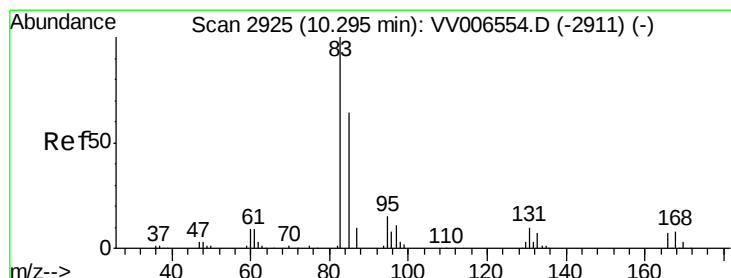
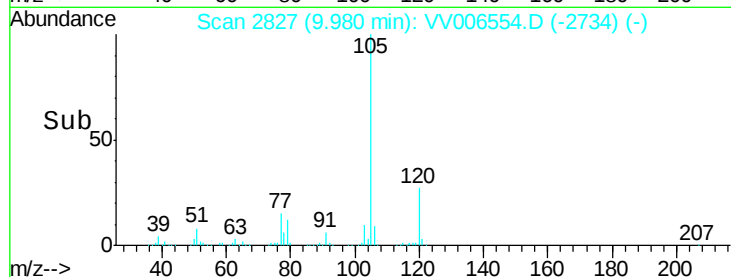
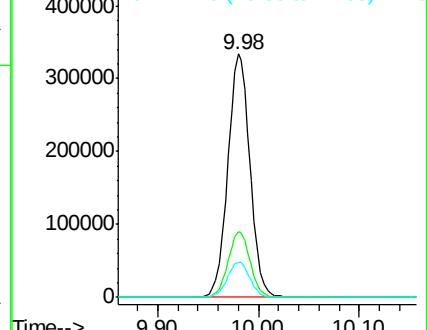
77 14.7 11.8 17.6



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: 6.057 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

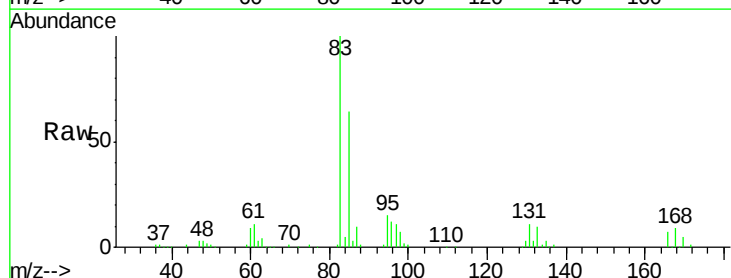
Tgt Ion: 83 Resp: 90906

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

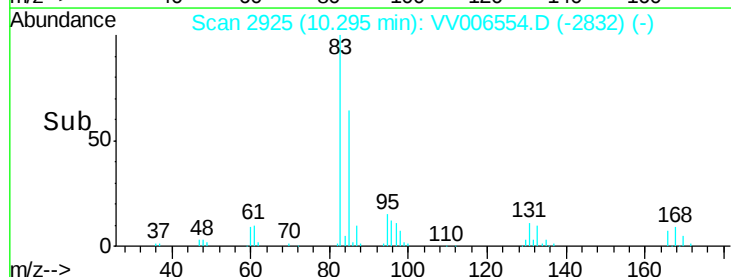
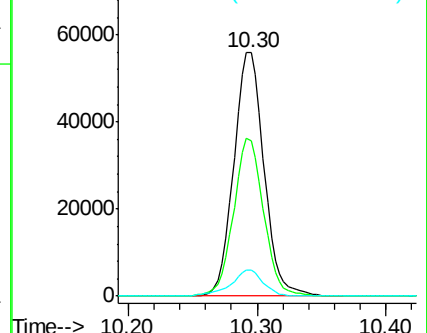
131 10.8 8.6 13.0

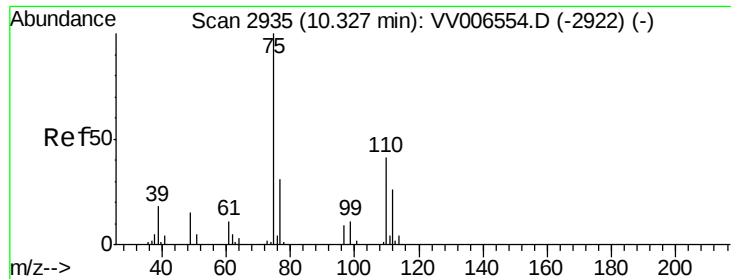


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.395 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

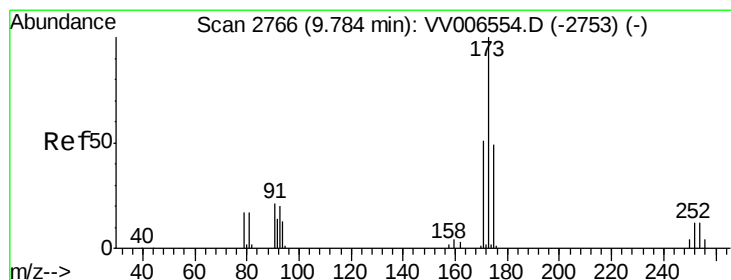
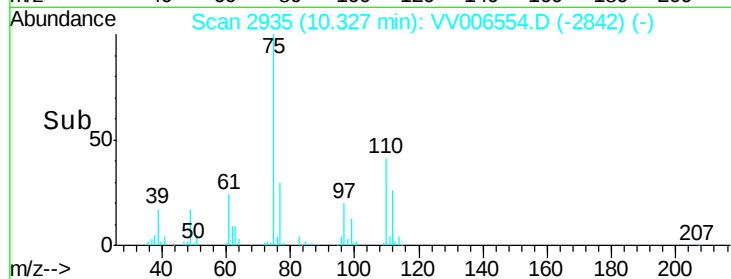
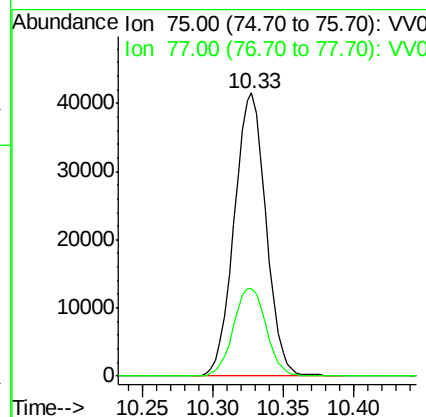
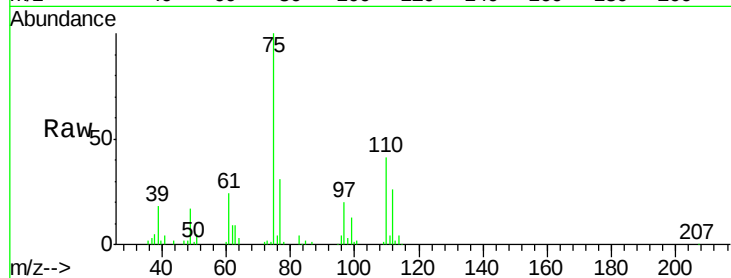
VSTD00563

Tgt Ion: 75 Resp: 65433

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 4.949 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

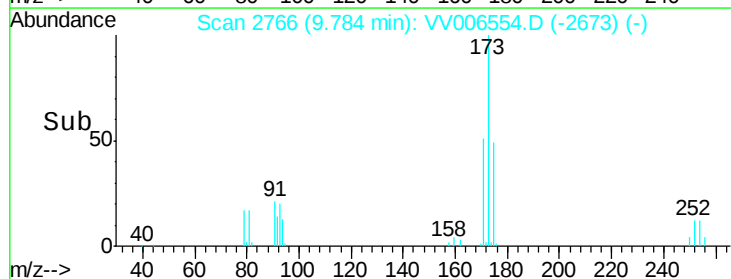
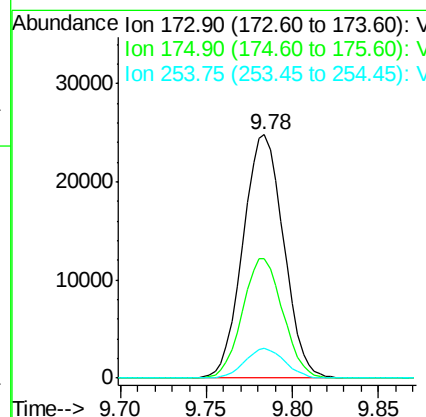
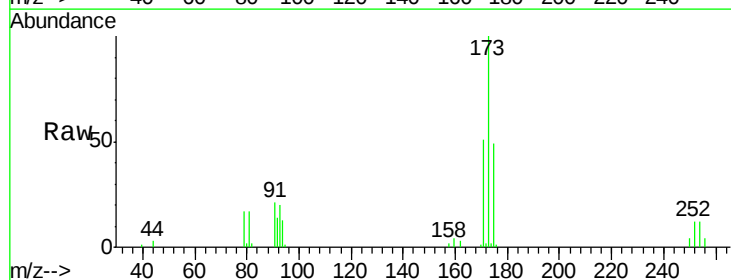
Tgt Ion: 173 Resp: 40774

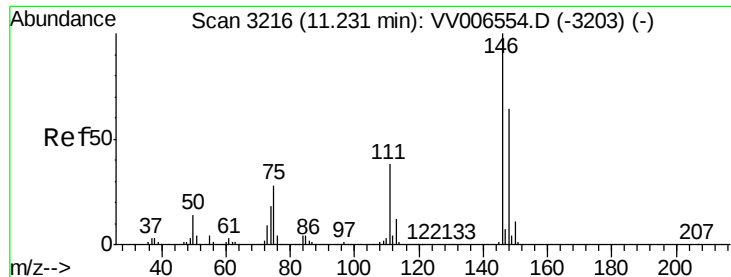
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 12.0 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 4.840 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

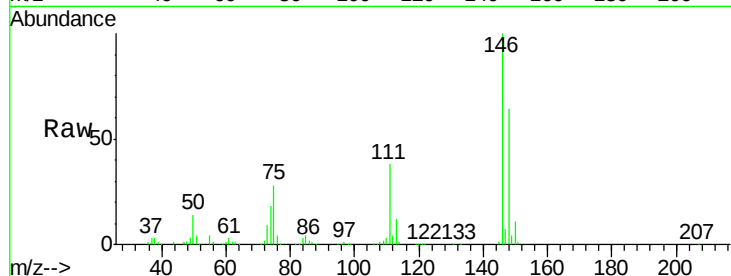
Tgt Ion:146 Resp: 231756

Ion Ratio Lower Upper

146 100

111 38.4 26.9 49.9

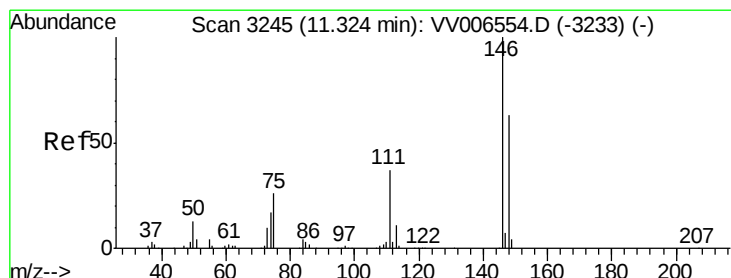
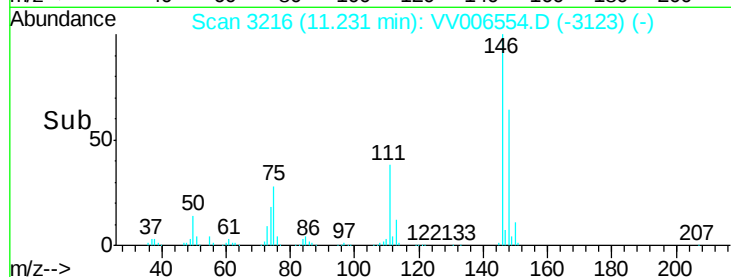
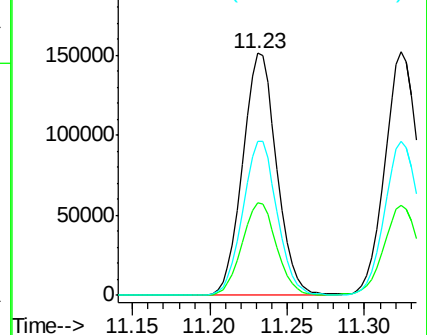
148 63.5 44.4 82.5



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: 4.880 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

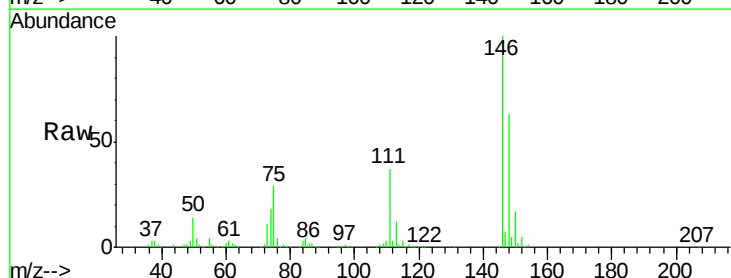
Tgt Ion:146 Resp: 234665

Ion Ratio Lower Upper

146 100

111 37.2 26.0 48.4

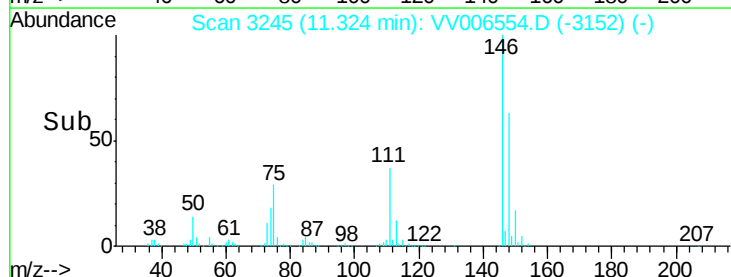
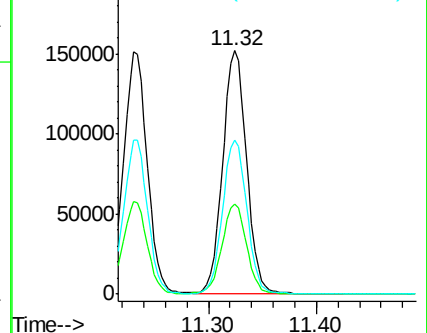
148 63.1 44.2 82.0

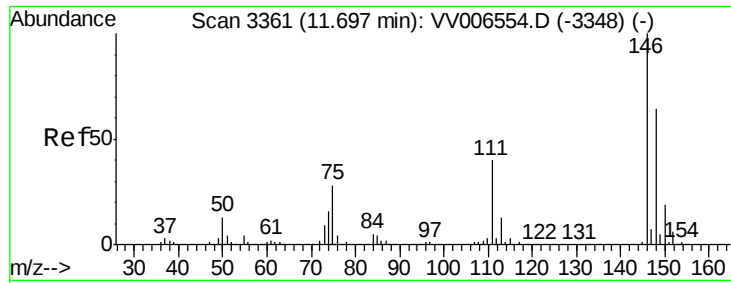


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

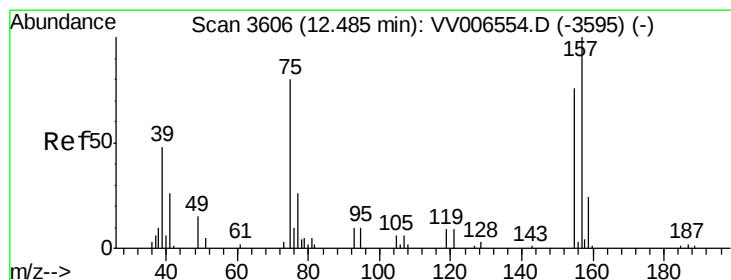
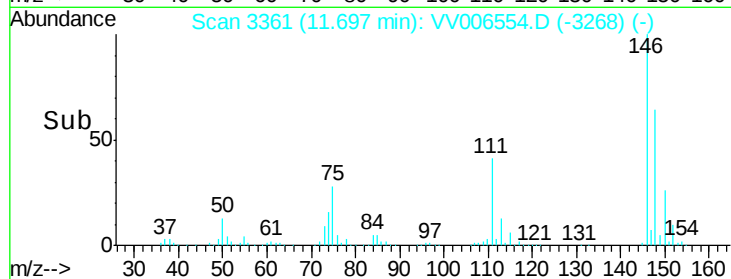
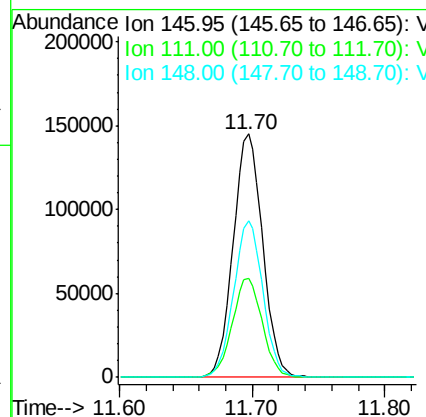
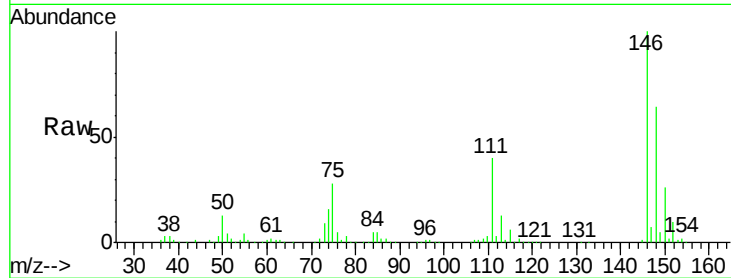




#65
 1,2-Dichlorobenzene
 Concen: 4.969 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

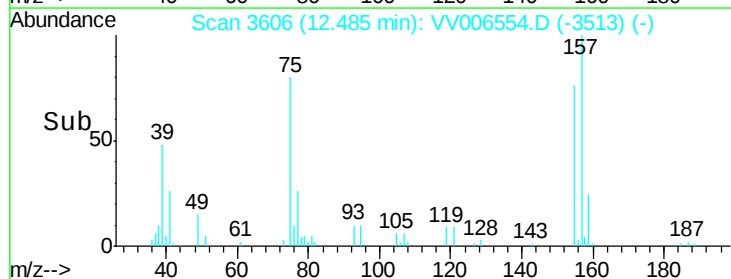
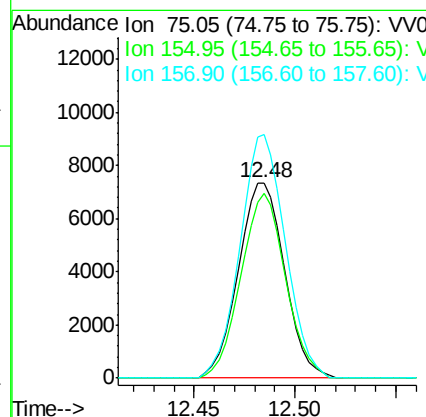
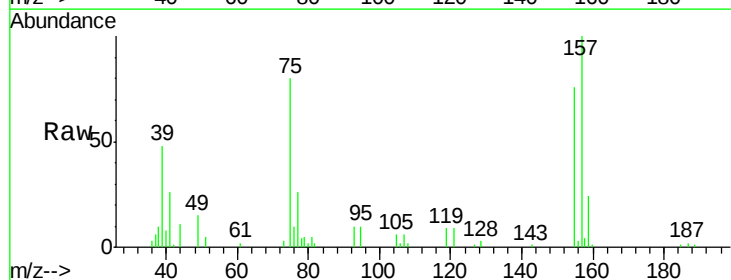
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

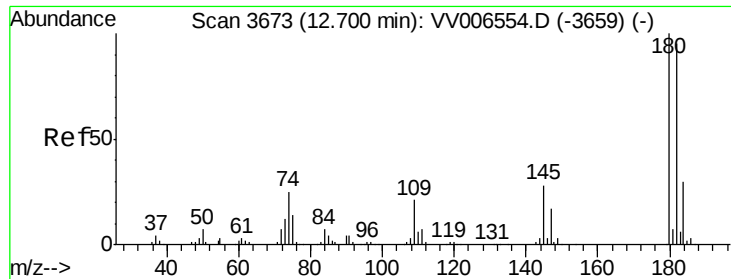
Tgt Ion: 146 Resp: 224474
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.4 48.6
 148 64.1 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.870 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

Tgt Ion: 75 Resp: 11792
 Ion Ratio Lower Upper
 75 100
 155 94.3 75.4 113.2
 157 124.5 99.6 149.4

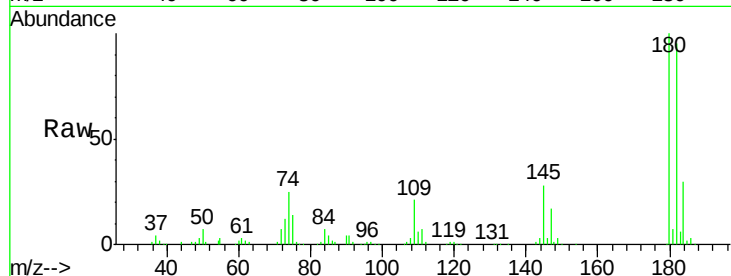




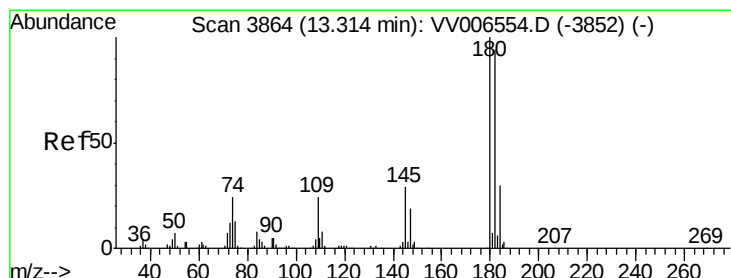
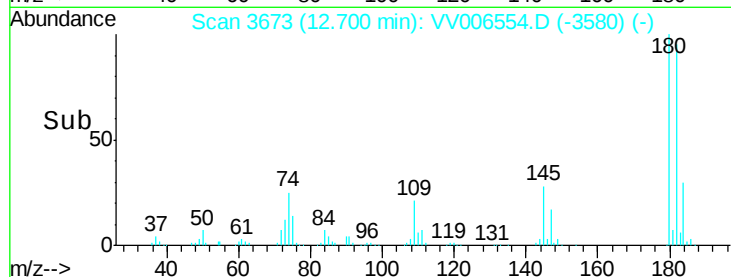
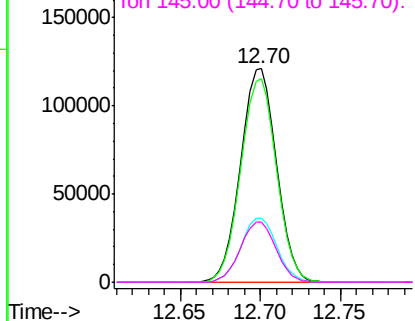
#67
 1,3,5-Trichlorobenzene
 Concen: 5.017 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:180 Resp: 184620
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.1 114.1
 184 30.1 24.1 36.1
 145 27.9 22.3 33.5

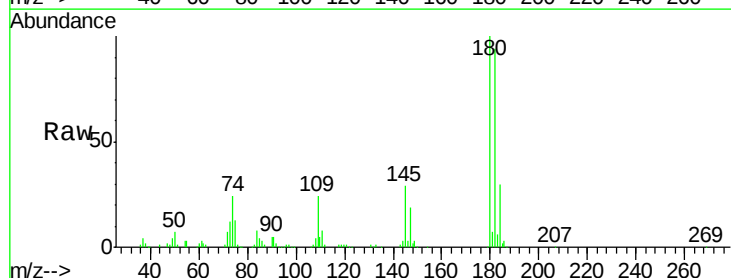


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

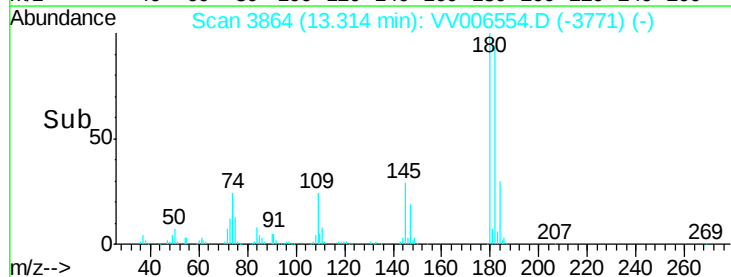
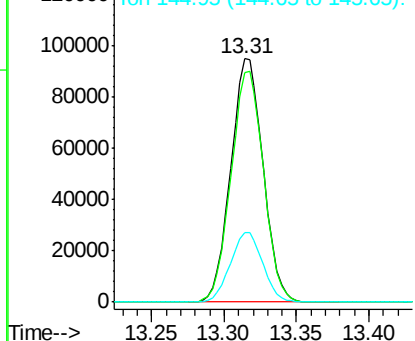


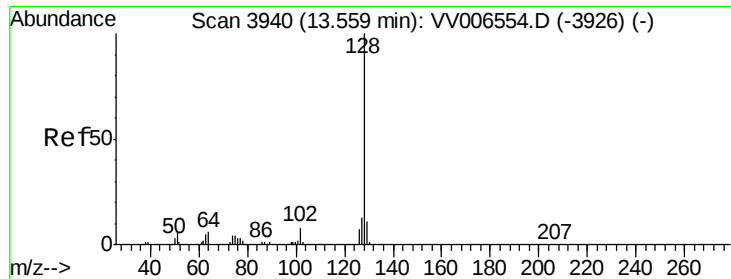
#68
 1,2,4-trichlorobenzene
 Concen: 5.402 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV006554.D
 Acq: 07 Jul 2018 09:40

Tgt Ion:180 Resp: 146839
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 145 28.7 23.0 34.4



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





#69

Naphthalene

Concen: 6.101 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

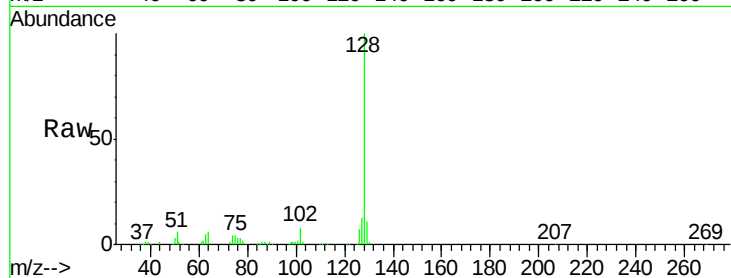
Tgt Ion:128 Resp: 249935

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

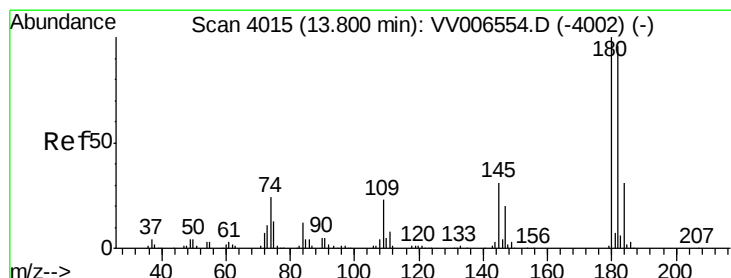
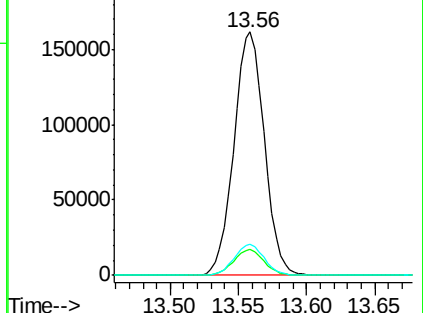
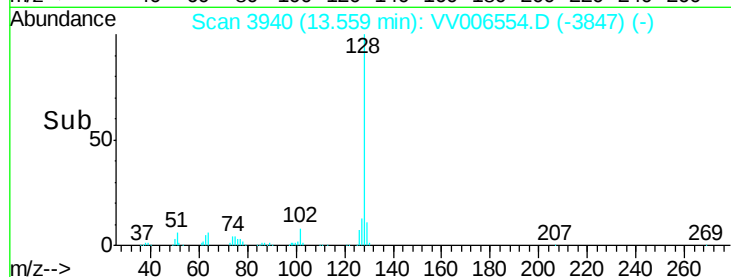
127 12.7 10.2 15.2



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: 5.471 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006554.D

Acq: 07 Jul 2018 09:40

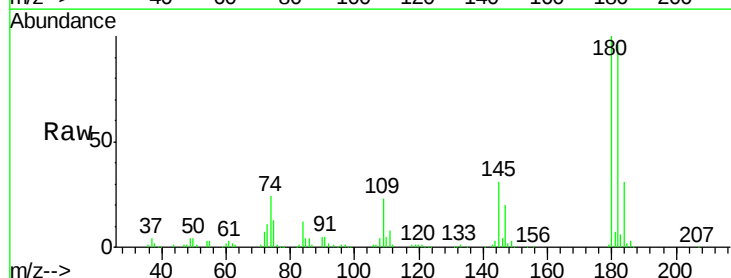
Tgt Ion:180 Resp: 139190

Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

145 30.9 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

