

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071918\
 Data File : VV006640.D
 Acq On : 19 Jul 2018 13:30
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Quant Time: Jul 20 04:44:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 04:43:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	248315	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	225384	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	108944	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91452	5.25	ug/L	0.00
7) Chloroethane-d5	1.58	69	65201	5.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	173121	5.17	ug/L	0.00
20) 2-Butanone-d5	3.95	46	200233	52.91	ug/L	0.00
24) Chloroform-d	4.41	84	156334	5.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	73223	5.29	ug/L	0.00
32) Benzene-d6	5.10	84	327443	5.35	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	100297	5.28	ug/L	0.00
41) Toluene-d8	7.37	98	308704	5.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	34464	5.35	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	177457	55.26	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	73512	5.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	103221	5.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	94791	4.736 ug/L	# 84
3) Chloromethane	1.26	50	105573	5.287 ug/L	100
5) Vinyl chloride	1.32	62	135868	5.268 ug/L	100
6) Bromomethane	1.52	94	37030	5.065 ug/L	100
8) Chloroethane	1.59	64	76922	5.192 ug/L	100
9) Trichlorofluoromethane	1.77	101	163356	5.278 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	101122	5.213 ug/L	100
12) 1,1-Dichloroethene	2.14	96	95820	5.212 ug/L	100
13) Acetone	2.19	43	151335	52.136 ug/L	100
14) Carbon disulfide	2.32	76	308197	5.170 ug/L	100
15) Methyl Acetate	2.46	43	44048	5.172 ug/L	100
16) Methylene chloride	2.54	84	106347	4.598 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	239035	5.267 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	106211	5.242 ug/L	100
19) 1,1-Dichloroethane	3.23	63	187389	5.238 ug/L	100
21) 2-Butanone	4.03	43	257700	53.005 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	111918	5.276 ug/L	100
23) Bromochloromethane	4.30	128	45300	5.245 ug/L	100
25) Chloroform	4.43	83	181195	5.257 ug/L	100
27) 1,2-Dichloroethane	5.19	62	106542	5.290 ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	149010	5.290 ug/L	100
30) Cyclohexane	4.73	56	168822	5.360 ug/L	100
31) Carbon tetrachloride	4.88	117	128365	5.328 ug/L	100
33) Benzene	5.15	78	427930	5.398 ug/L	100
34) Trichloroethene	5.96	95	104690	5.219 ug/L	100
35) Methylcyclohexane	6.18	83	181294	5.415 ug/L	100
37) 1,2-Dichloropropane	6.23	63	109707	5.425 ug/L	100
38) Bromodichloromethane	6.56	83	119992	5.341 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	144437	5.431 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	603723	55.221 ug/L	100

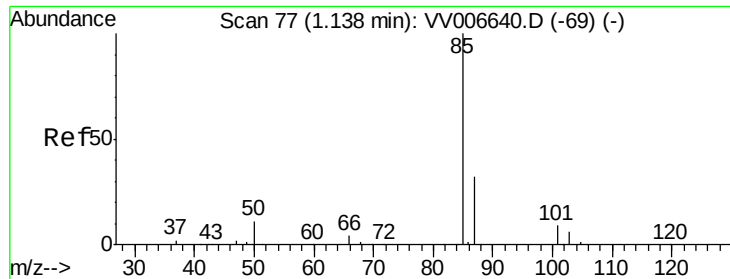
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	445152	5.433	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	112308	5.432	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	72429	5.323	ug/L	100
47) Tetrachloroethene	8.02	164	85504	5.307	ug/L	100
48) 2-Hexanone	8.19	43	427507	55.937	ug/L	100
49) Dibromochloromethane	8.30	129	77604	5.383	ug/L	100
50) 1,2-Dibromoethane	8.40	107	65892	5.388	ug/L	100
51) Chlorobenzene	8.93	112	283579	5.326	ug/L	100
52) Ethylbenzene	9.06	91	479993	5.456	ug/L	100
53) m,p-xylene	9.19	106	183156	5.476	ug/L	100
54) o-xylene	9.59	106	178875	5.482	ug/L	100
55) Styrene	9.61	104	306691	5.614	ug/L	100
56) Isopropylbenzene	9.98	105	472202	5.516	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	88235	5.407	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	63244	5.304	ug/L	100
61) Bromoform	9.78	173	39611	5.261	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	210823	5.312	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	213229	5.289	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	204342	5.371	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	12272	5.436	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	163349	5.326	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	131561	5.407	ug/L	100
69) Naphthalene	13.56	128	229461	5.448	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	126084	5.501	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.736 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

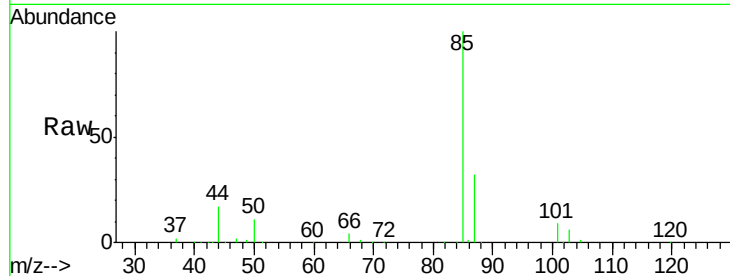
VSTD00566

Tgt Ion: 85 Resp: 94791

Ion Ratio Lower Upper

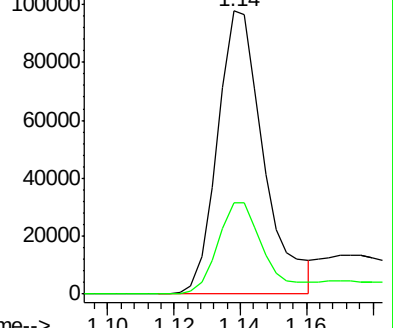
85 100

87 32.5 19.4 29.2#

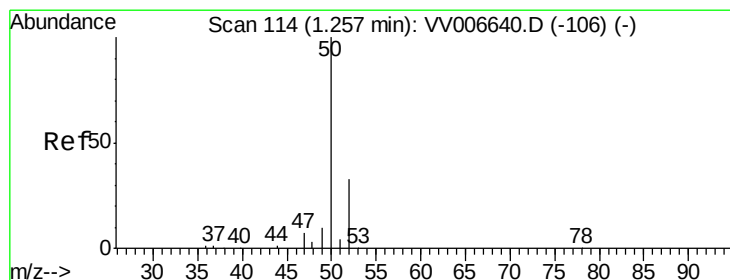
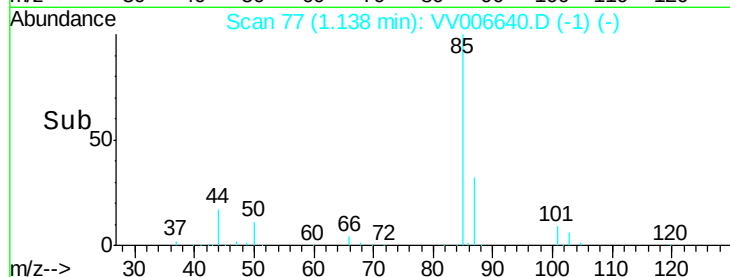


Abundance Ion 85.00 (84.70 to 85.70): VV006640.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV006640.D (-69) (-)



Time-->



#3

Chloromethane

Concen: 5.287 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006640.D

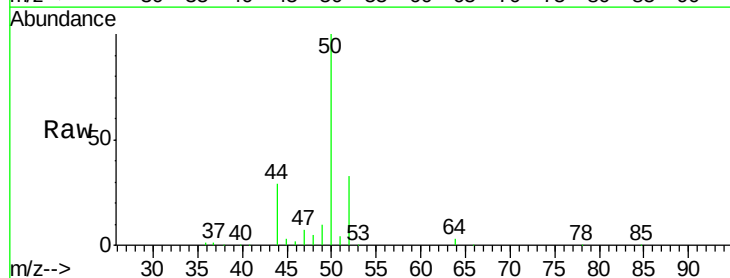
Acq: 19 Jul 2018 13:30

Tgt Ion: 50 Resp: 105573

Ion Ratio Lower Upper

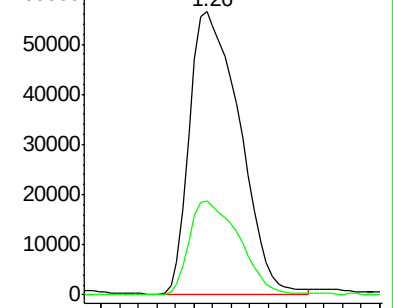
50 100

52 33.1 23.2 43.0

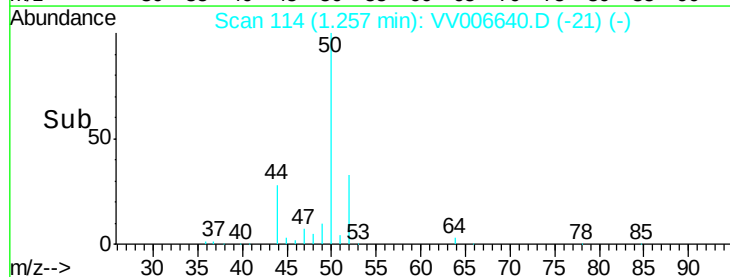


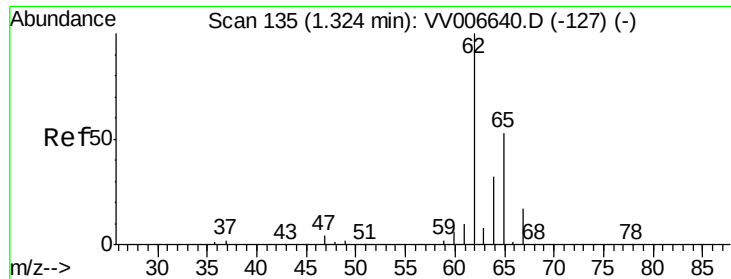
Abundance Ion 50.05 (49.75 to 50.75): VV006640.D (-106) (-)

Ion 52.05 (51.75 to 52.75): VV006640.D (-106) (-)



Time-->





#5

Vinyl chloride

Concen: 5.268 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

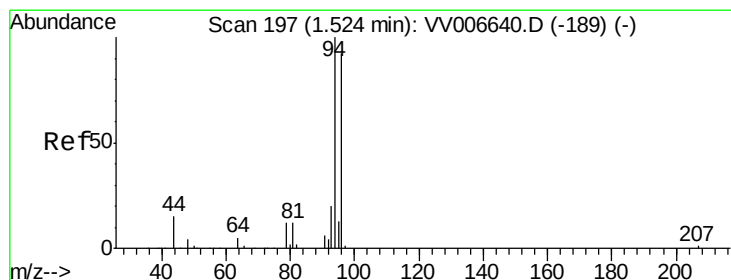
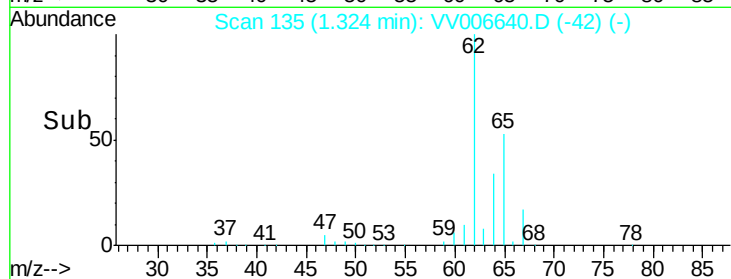
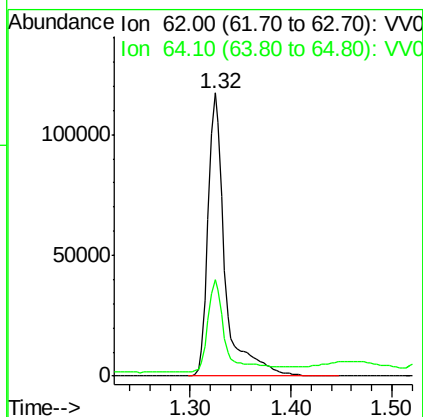
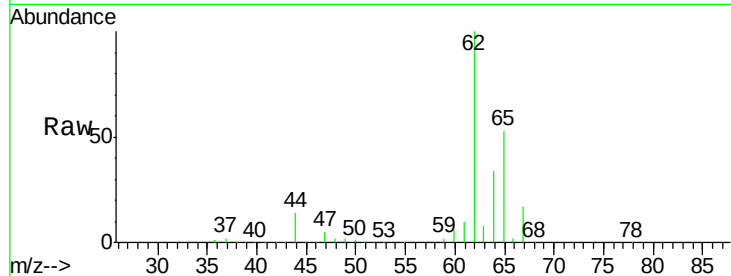
VSTD00566

Tgt Ion: 62 Resp: 135868

Ion Ratio Lower Upper

62 100

64 33.9 23.7 44.1



#6

Bromomethane

Concen: 5.065 ug/L

RT: 1.52 min Scan# 197

Delta R.T. 0.00 min

Lab File: VV006640.D

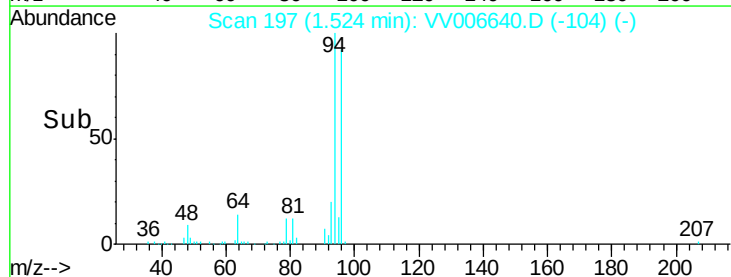
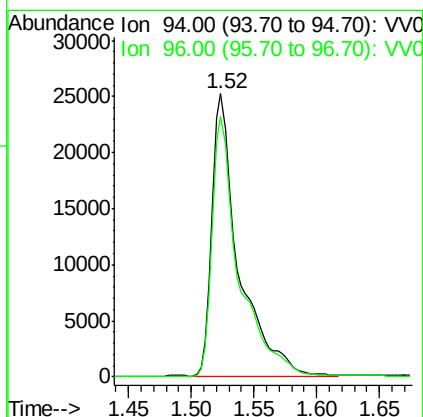
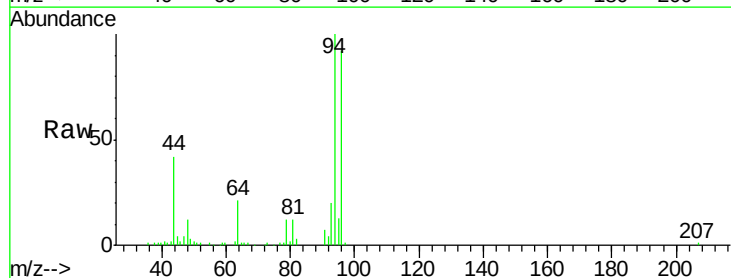
Acq: 19 Jul 2018 13:30

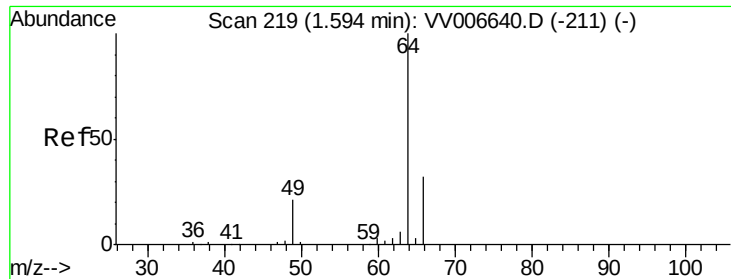
Tgt Ion: 94 Resp: 37030

Ion Ratio Lower Upper

94 100

96 92.1 64.5 119.7

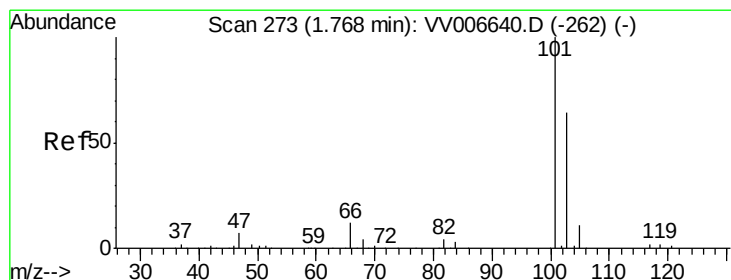
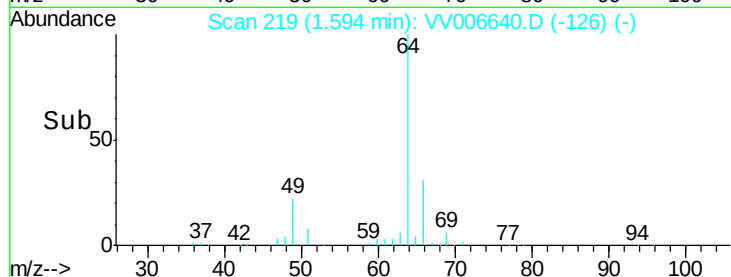
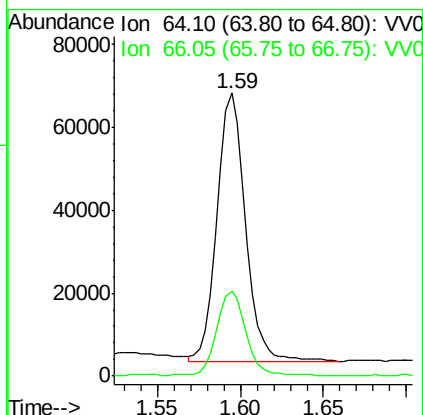
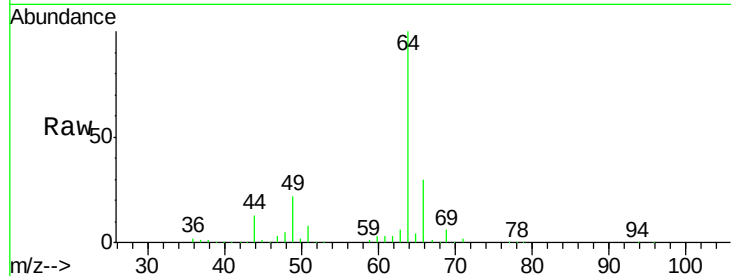




#8
Chloroethane
Concen: 5.192 ug/L
RT: 1.59 min Scan# 219
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

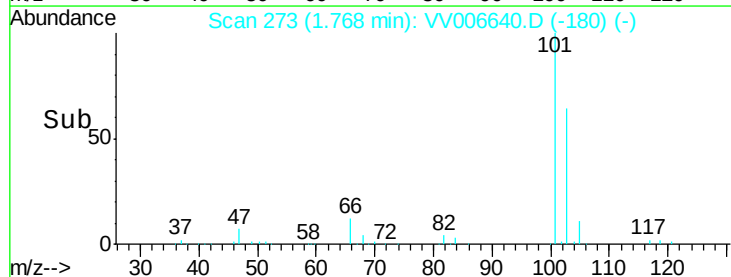
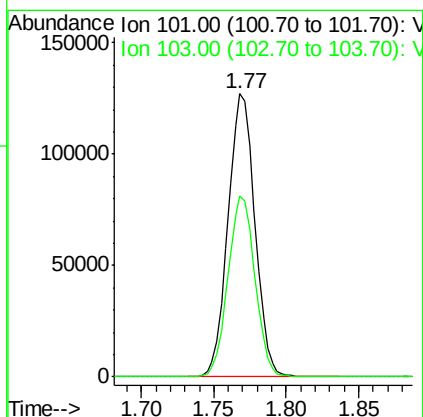
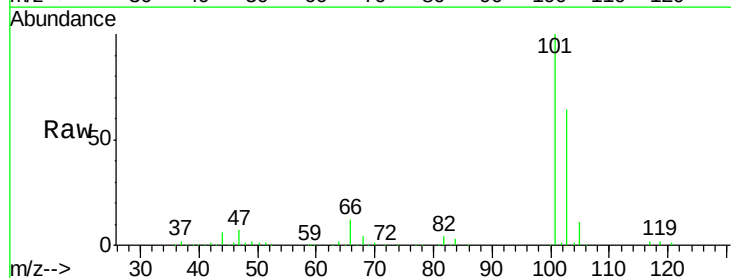
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

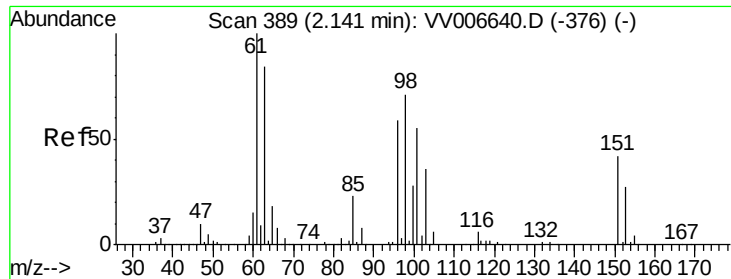
Tgt Ion: 64 Resp: 76922
Ion Ratio Lower Upper
64 100
66 30.2 21.1 39.3



#9
Trichlorofluoromethane
Concen: 5.278 ug/L
RT: 1.77 min Scan# 273
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Tgt Ion: 101 Resp: 163356
Ion Ratio Lower Upper
101 100
103 63.9 51.1 76.7





#10

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

Concen: 5.213 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

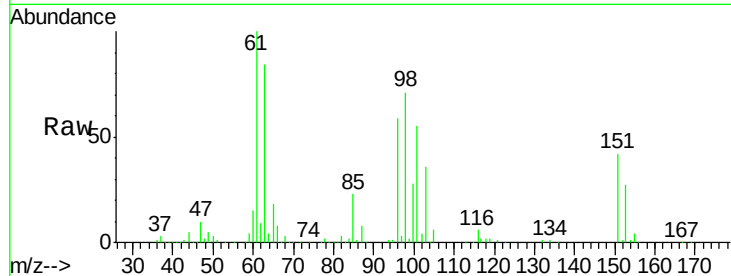
Tgt Ion: 101 Resp: 101122

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

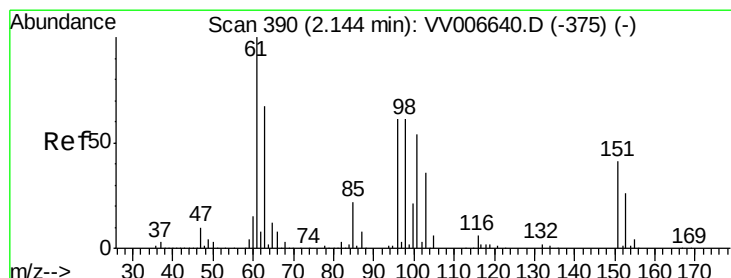
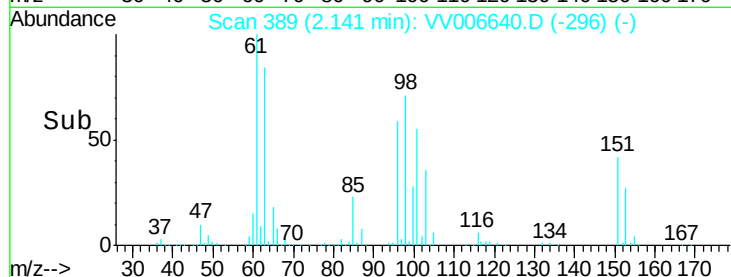
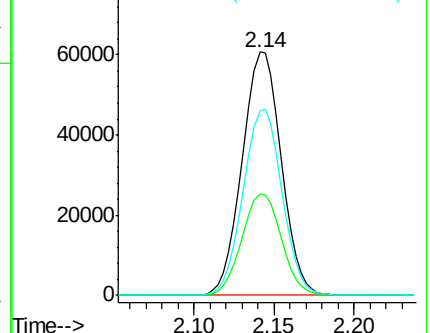
151 76.3 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.212 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

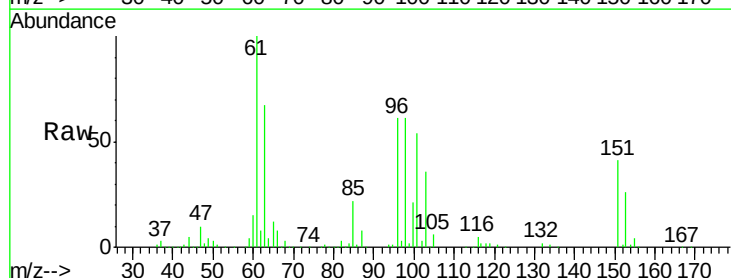
Tgt Ion: 96 Resp: 95820

Ion Ratio Lower Upper

96 100

61 164.5 115.1 213.8

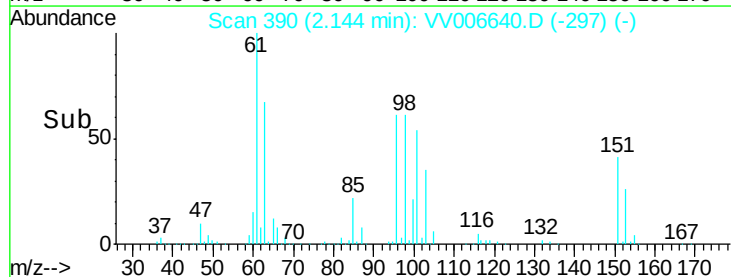
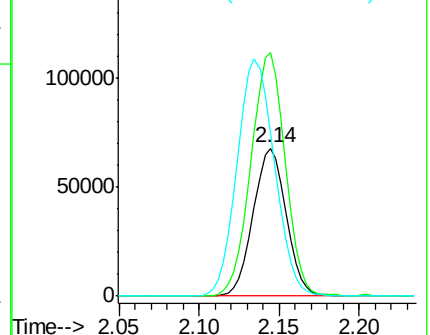
63 110.3 77.2 143.4

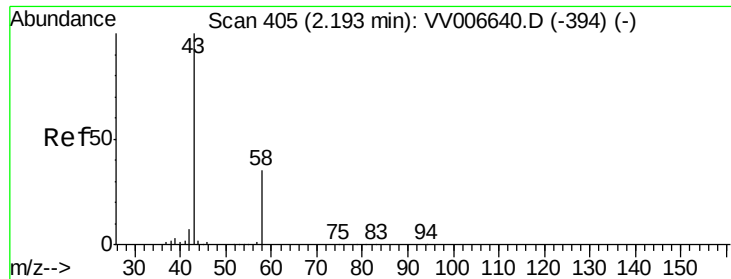


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.136 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

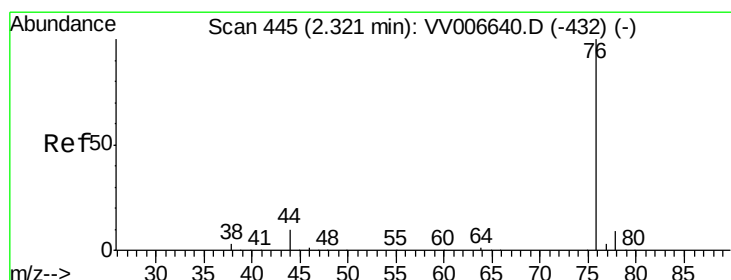
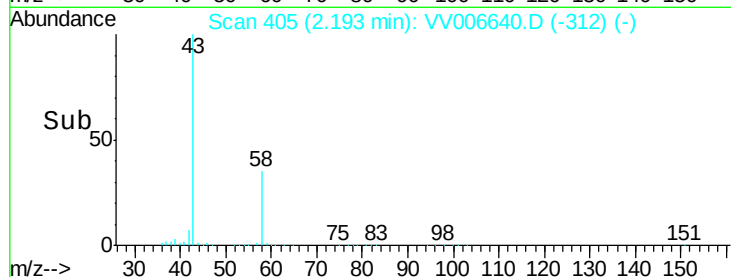
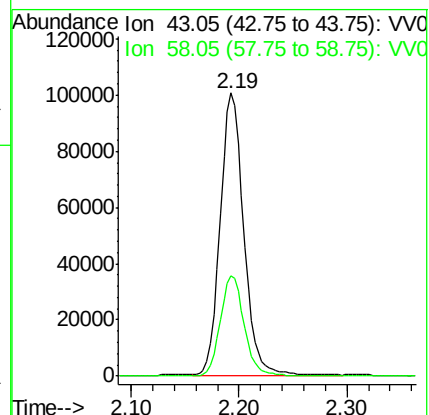
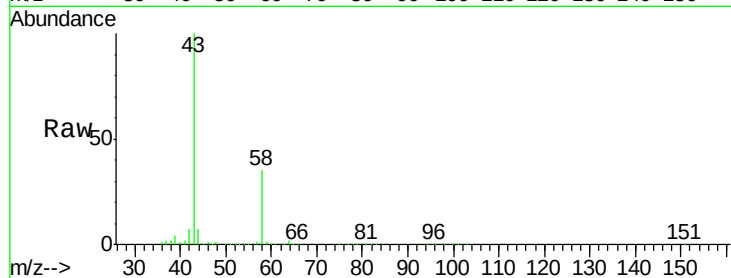
VSTD00566

Tgt Ion: 43 Resp: 151335

Ion Ratio Lower Upper

43 100

58 36.4 0.0 72.8



#14

Carbon disulfide

Concen: 5.170 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006640.D

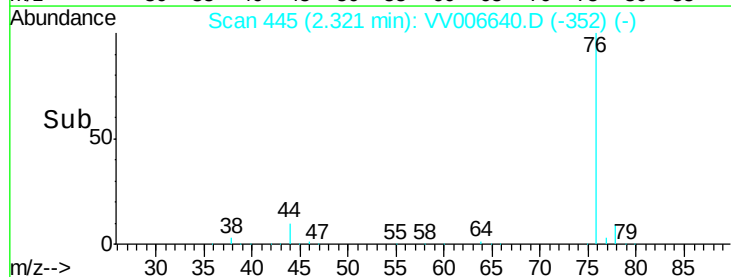
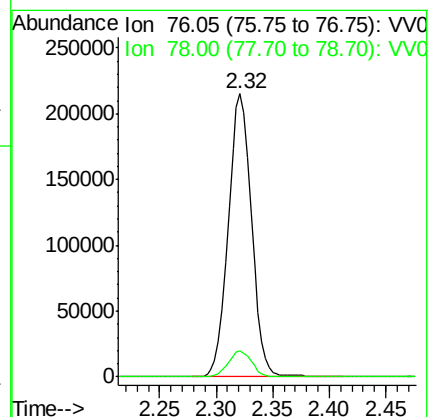
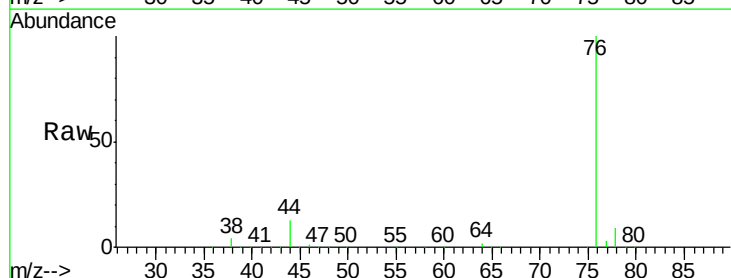
Acq: 19 Jul 2018 13:30

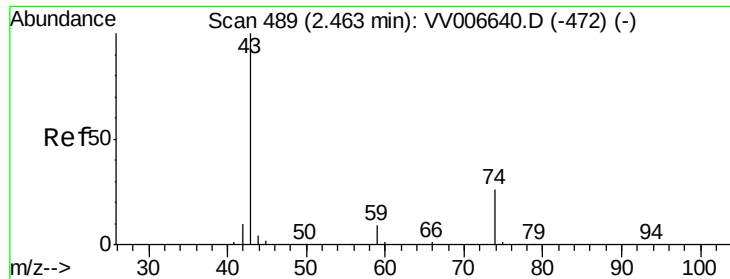
Tgt Ion: 76 Resp: 308197

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

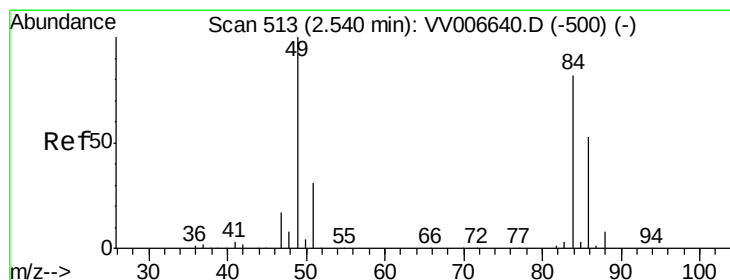
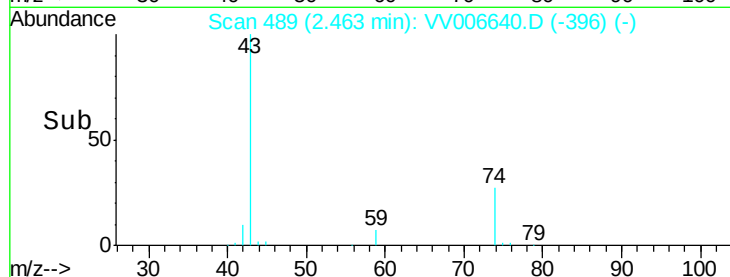
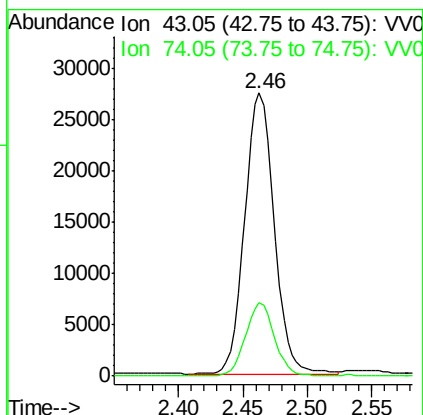
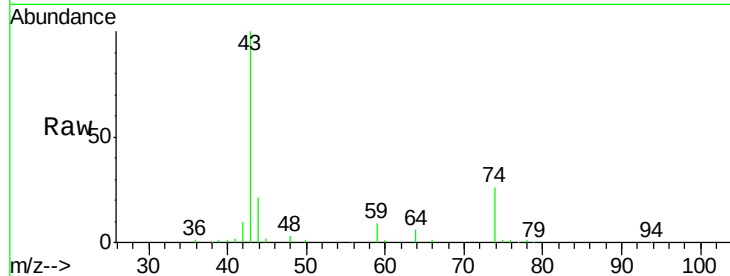




#15
Methyl Acetate
Concen: 5.172 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

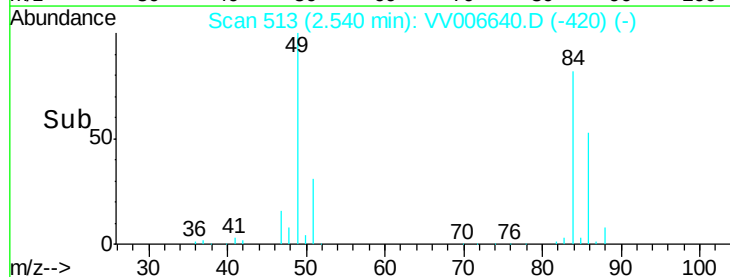
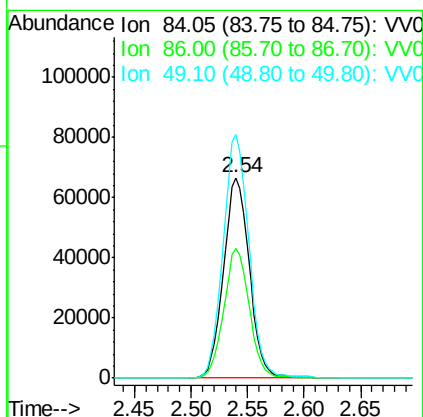
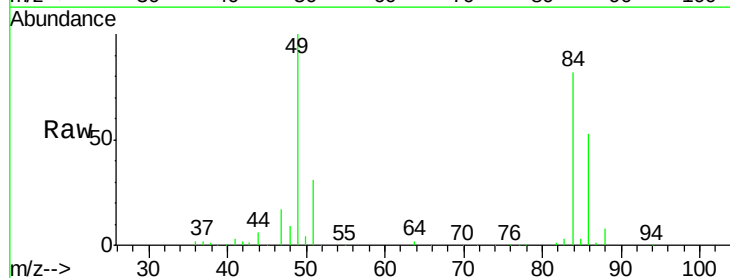
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

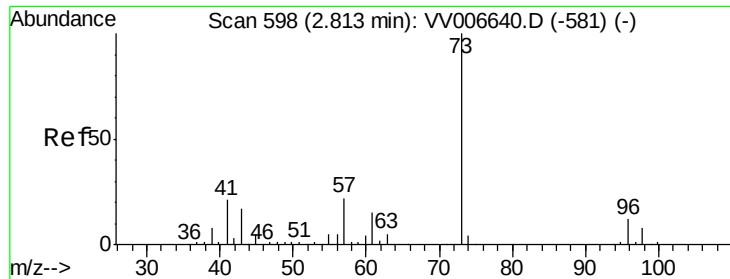
Tgt Ion: 43 Resp: 44048
Ion Ratio Lower Upper
43 100
74 25.4 20.3 30.5



#16
Methylene chloride
Concen: 4.598 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Tgt Ion: 84 Resp: 106347
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.2
49 121.6 85.1 158.1

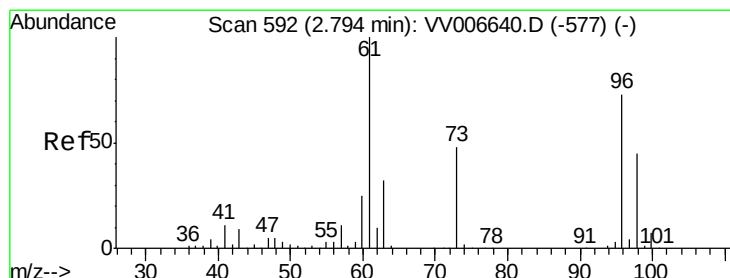
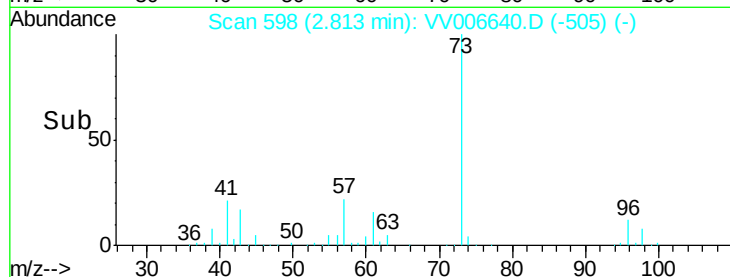
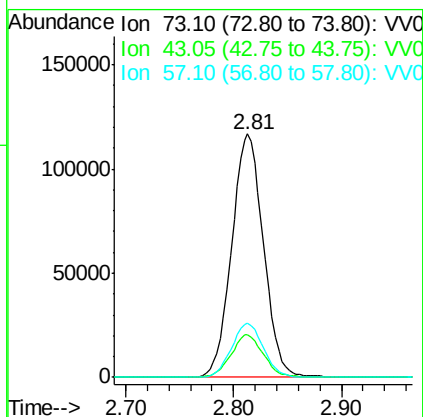
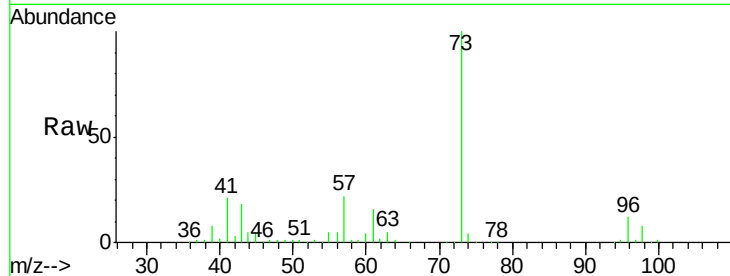




#17
Methyl tert-butyl Ether
Concen: 5.267 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

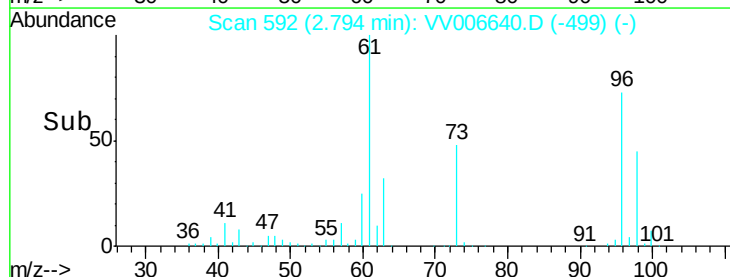
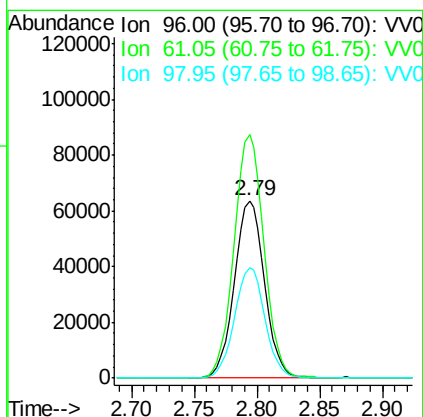
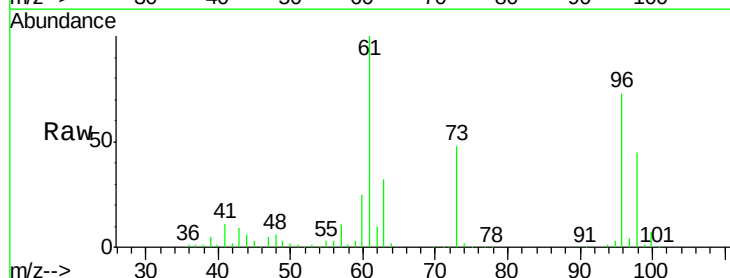
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

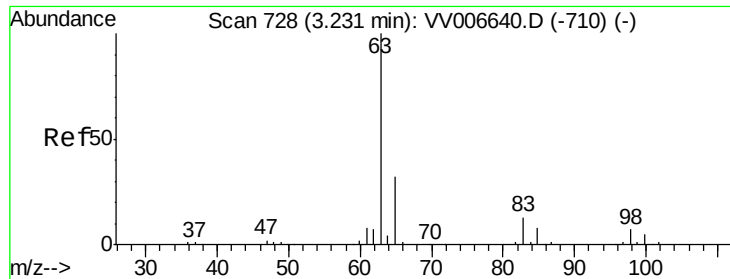
Tgt Ion: 73 Resp: 239035
Ion Ratio Lower Upper
73 100
43 17.4 13.9 20.9
57 22.4 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.242 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Tgt Ion: 96 Resp: 106211
Ion Ratio Lower Upper
96 100
61 137.2 96.0 178.4
98 62.2 43.5 80.9

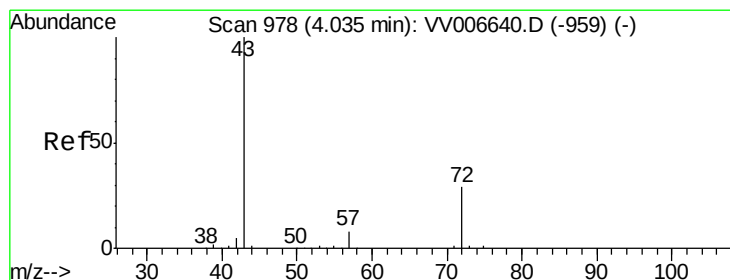
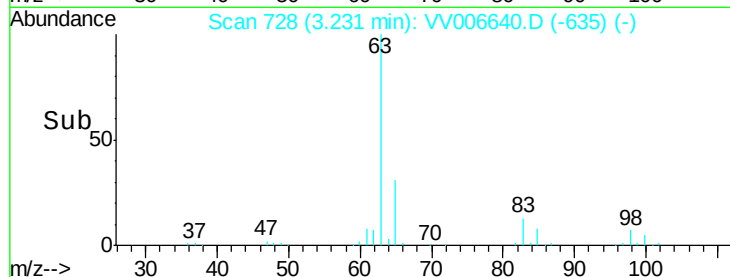
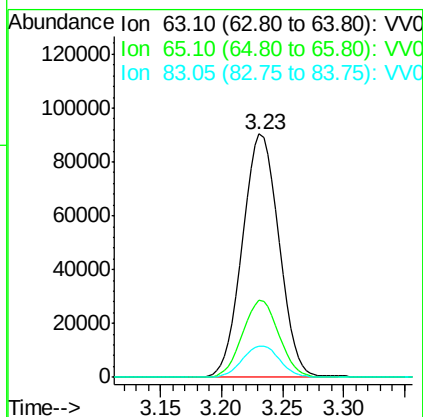
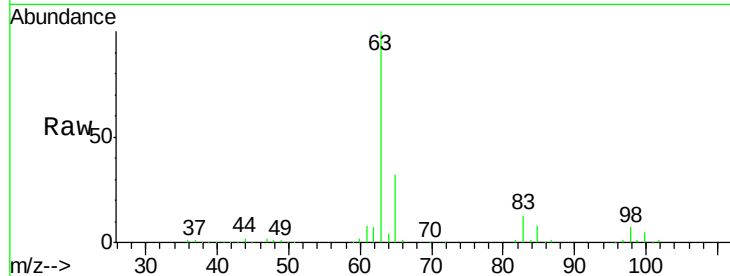




#19
 1,1-Dichloroethane
 Concen: 5.238 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

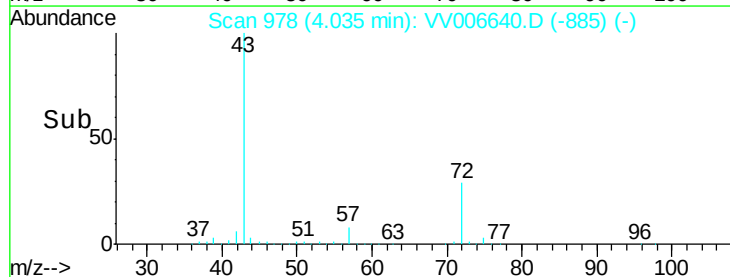
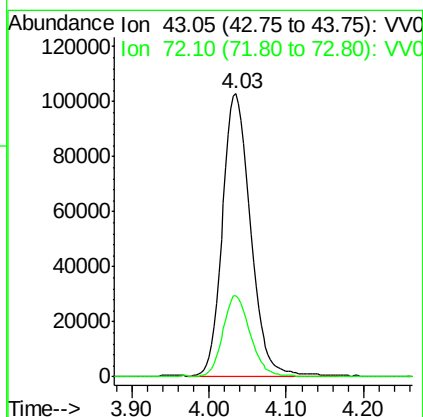
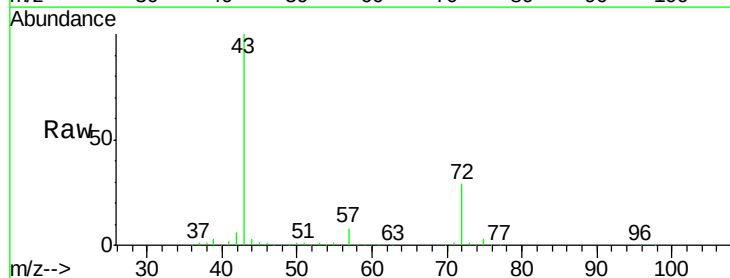
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

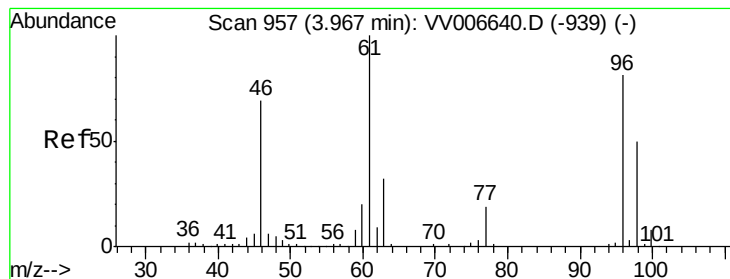
Tgt Ion: 63 Resp: 187389
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 13.1 9.2 17.0



#21
 2-Butanone
 Concen: 53.005 ug/L
 RT: 4.03 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

Tgt Ion: 43 Resp: 257700
 Ion Ratio Lower Upper
 43 100
 72 27.7 13.9 41.6



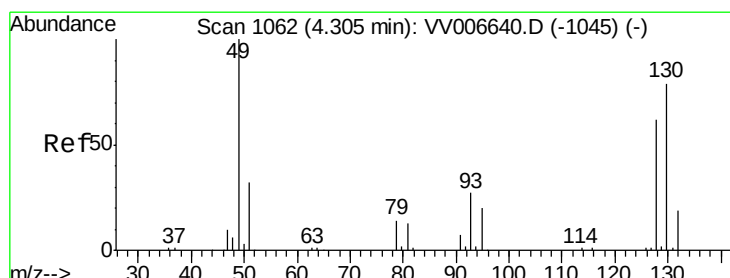
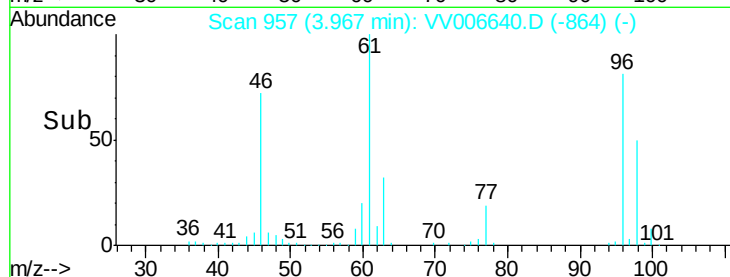
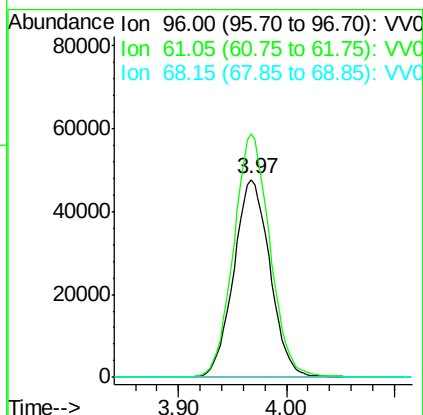
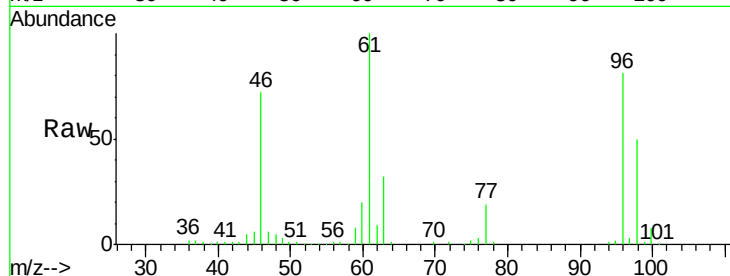


#22

cis-1,2-Dichloroethene
Concen: 5.276 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

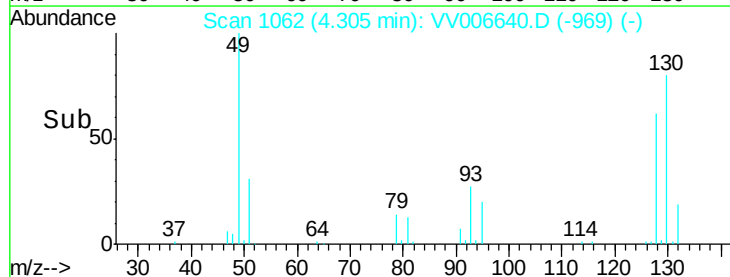
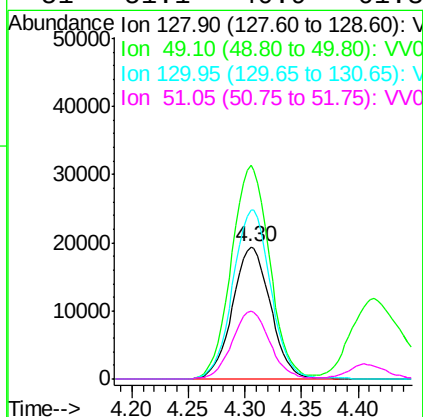
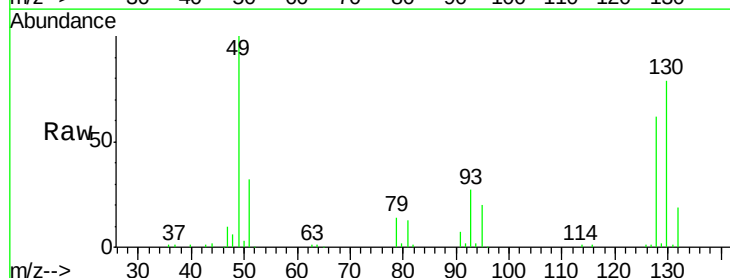
Tgt Ion: 96 Resp: 111918
Ion Ratio Lower Upper
96 100
61 123.1 86.2 160.0
68 0.0 0.0 0.0

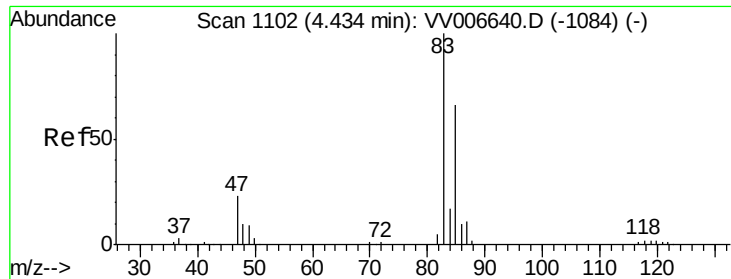


#23

Bromochloromethane
Concen: 5.245 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Tgt Ion: 128 Resp: 45300
Ion Ratio Lower Upper
128 100
49 161.4 113.0 209.8
130 127.6 89.3 165.9
51 51.1 40.9 61.3

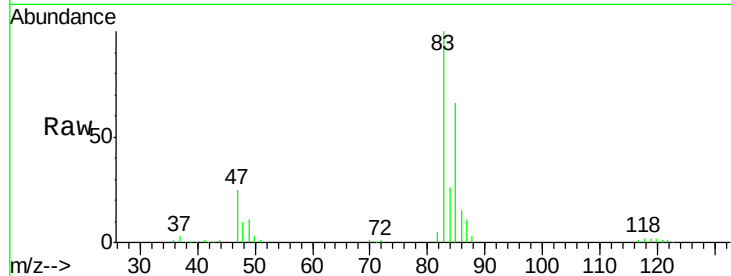




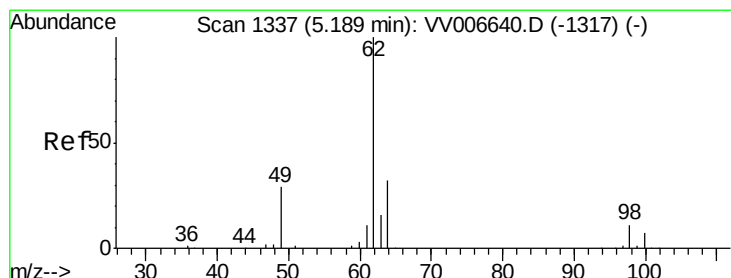
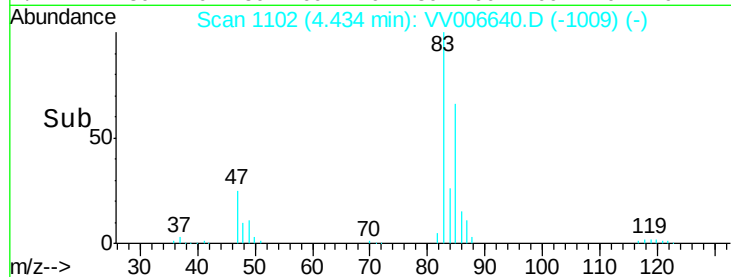
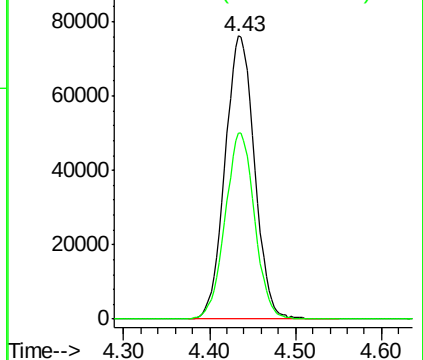
#25
Chloroform
Concen: 5.257 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tgt Ion: 83 Resp: 181195
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7

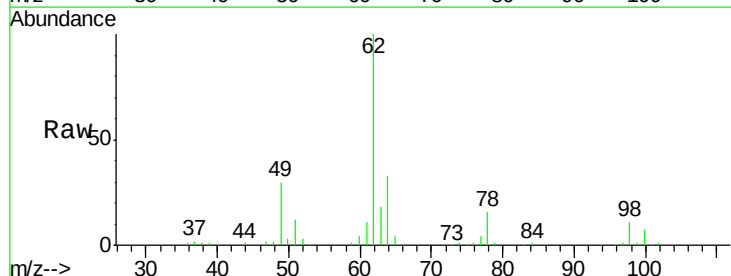


Abundance Ion 83.05 (82.75 to 83.75): VV006640.D (-1084) (-)
Ion 85.00 (84.70 to 85.70): VV006640.D (-1084) (-)

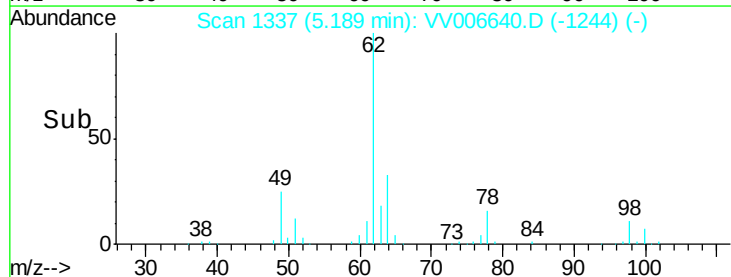
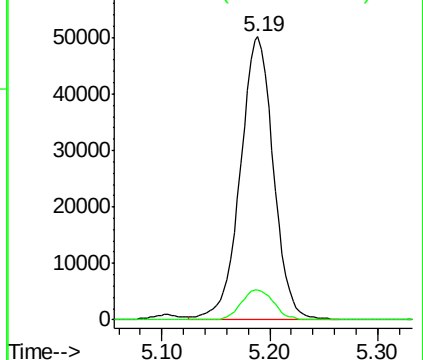


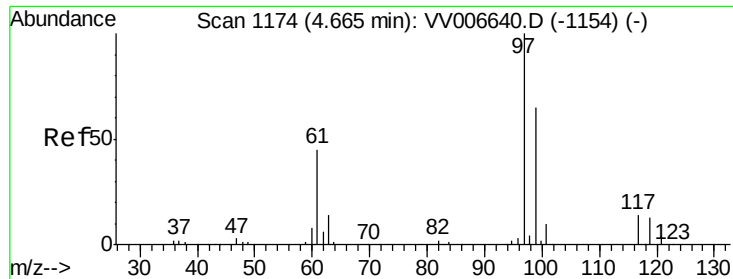
#27
1,2-Dichloroethane
Concen: 5.290 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Tgt Ion: 62 Resp: 106542
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VV006640.D (-1317) (-)
Ion 98.05 (97.75 to 98.75): VV006640.D (-1317) (-)

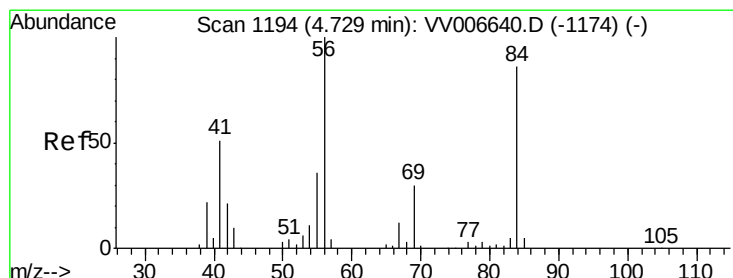
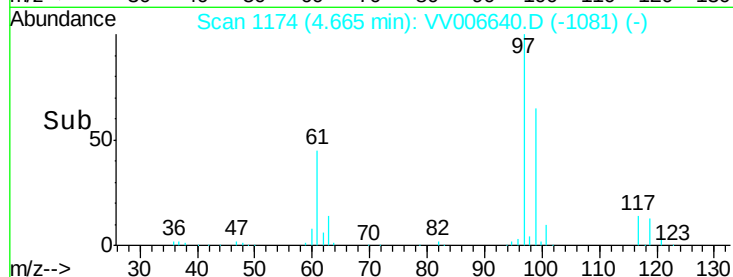
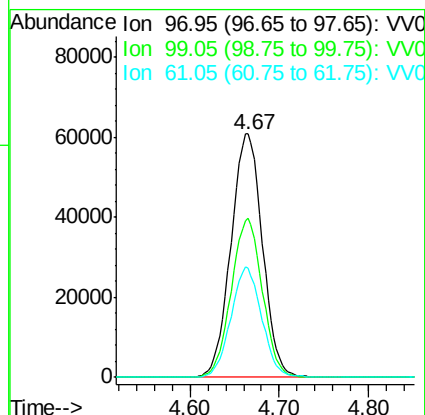
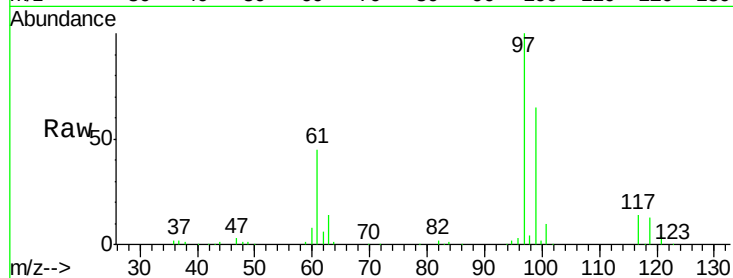




#29
 1,1,1-Trichloroethane
 Concen: 5.290 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

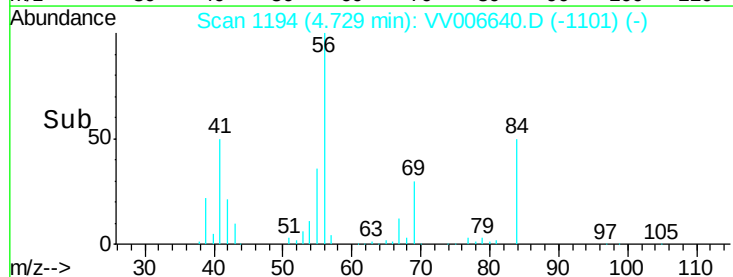
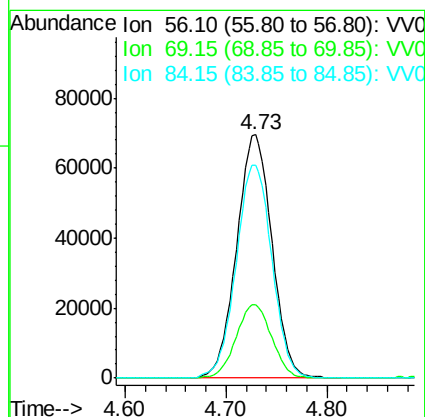
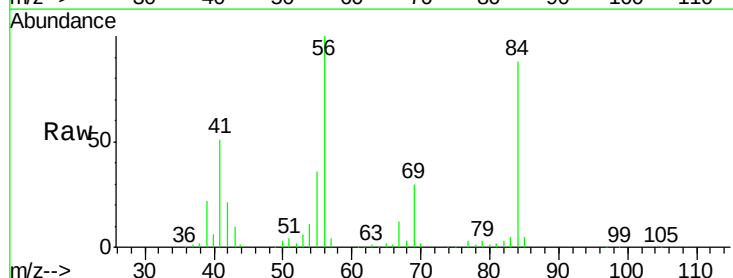
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

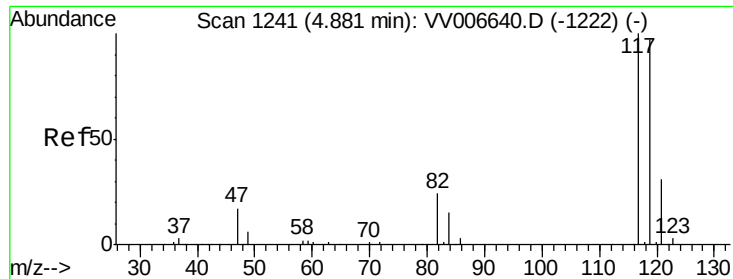
Tgt Ion: 97 Resp: 149010
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 44.3 35.4 53.2



#30
 Cyclohexane
 Concen: 5.360 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

Tgt Ion: 56 Resp: 168822
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.0 36.0
 84 88.8 71.0 106.6

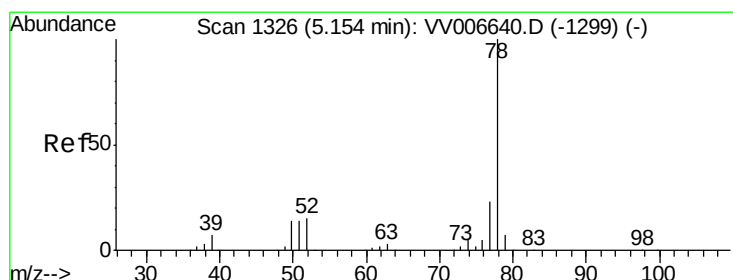
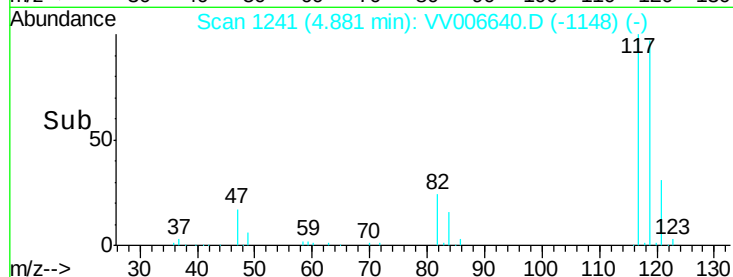
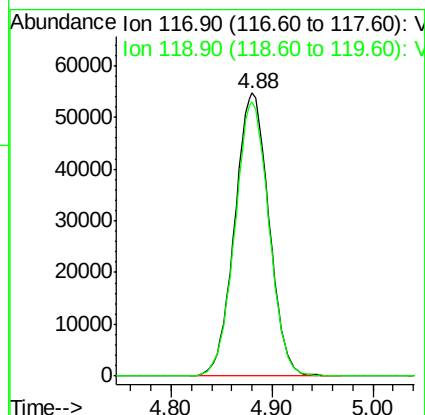
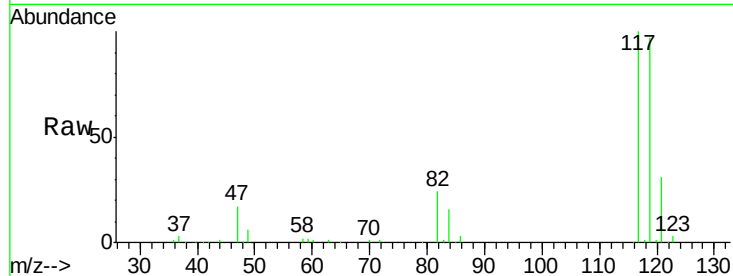




#31
Carbon tetrachloride
Concen: 5.328 ug/L
RT: 4.88 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

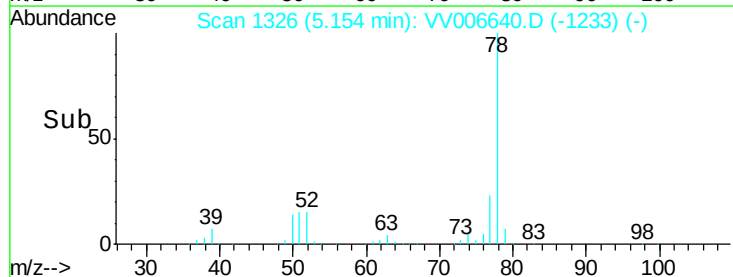
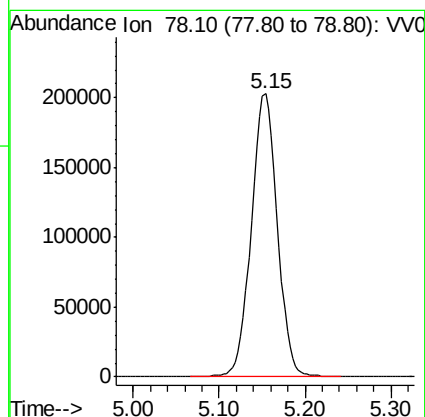
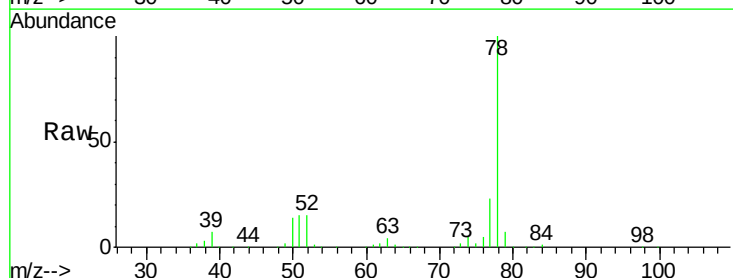
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

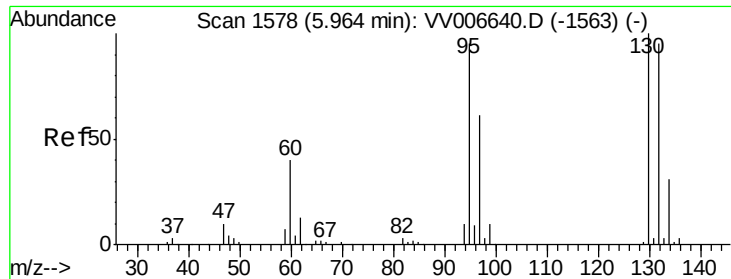
Tgt Ion:117 Resp: 128365
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.6



#33
Benzene
Concen: 5.398 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Tgt Ion: 78 Resp: 427930





#34

Trichloroethene

Concen: 5.219 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

Tgt Ion: 95 Resp: 104690

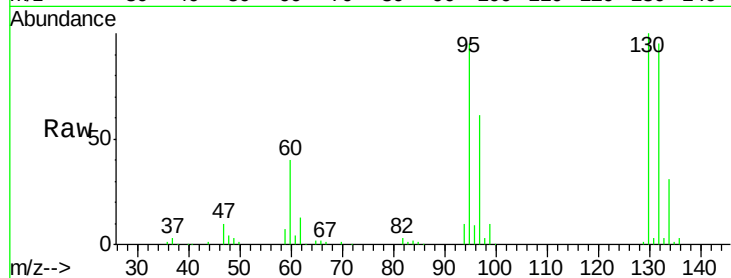
Ion Ratio Lower Upper

95 100

97 64.7 45.3 84.1

132 100.5 70.3 130.7

130 105.3 73.7 136.9

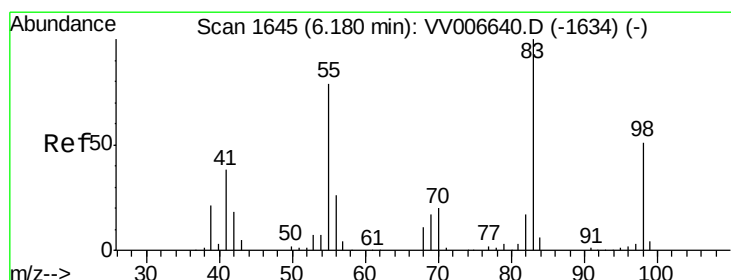
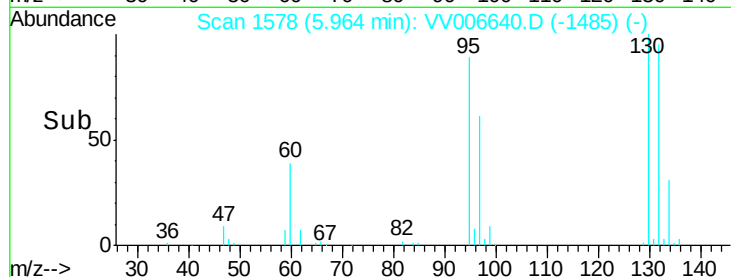
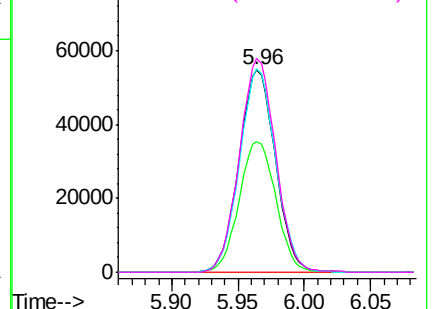


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.415 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

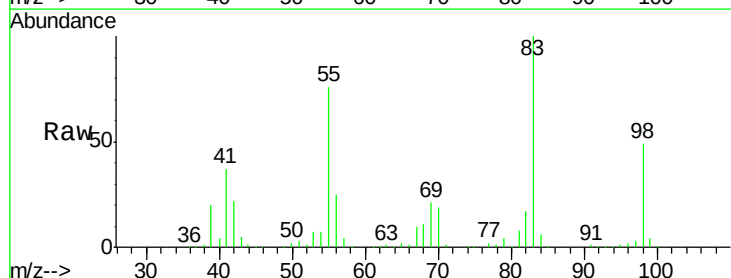
Tgt Ion: 83 Resp: 181294

Ion Ratio Lower Upper

83 100

55 76.6 61.3 91.9

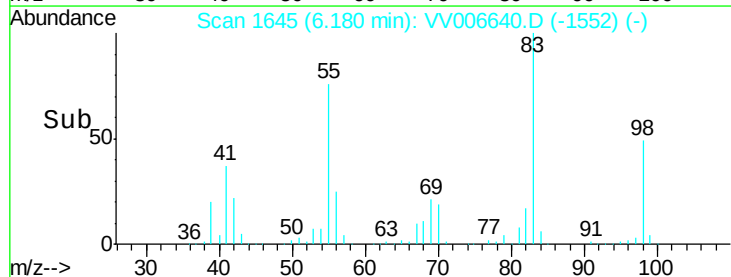
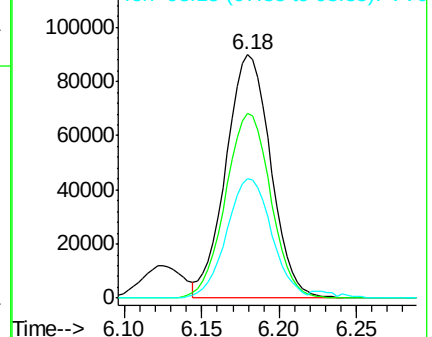
98 49.2 39.4 59.0

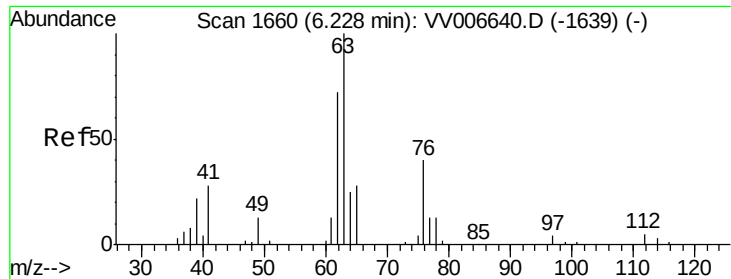


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

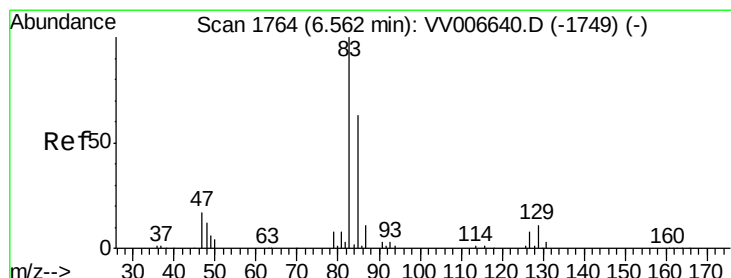
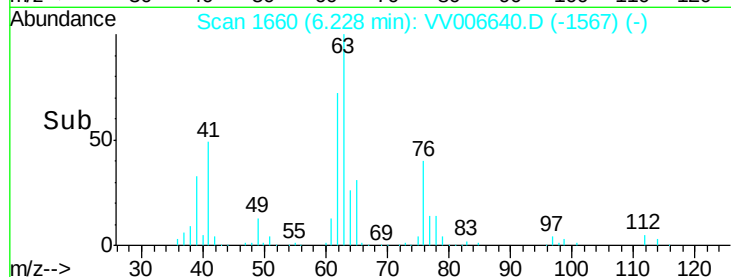
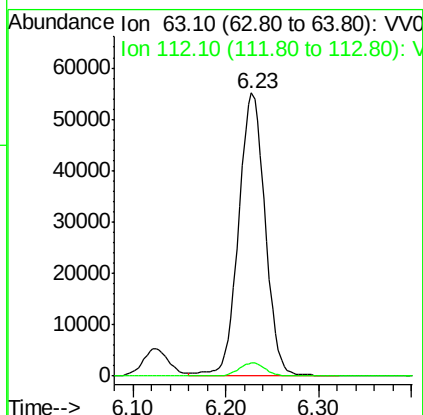
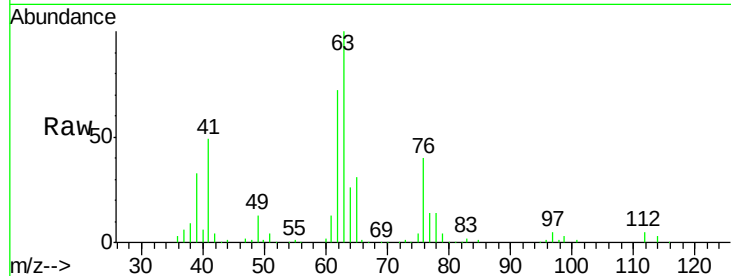




#37
 1,2-Dichloropropane
 Concen: 5.425 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

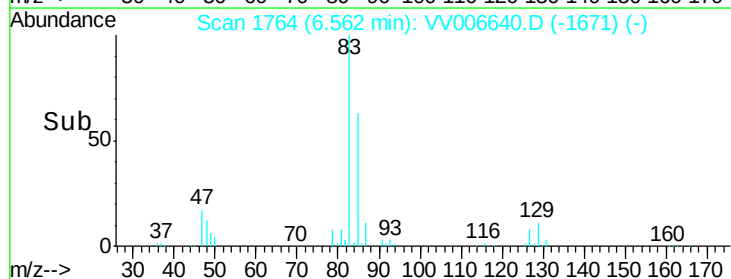
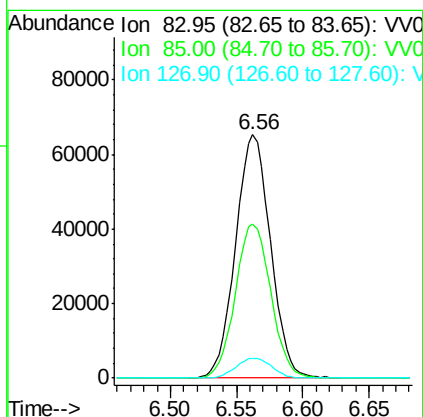
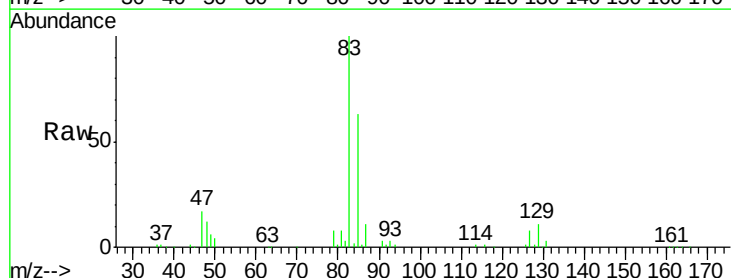
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

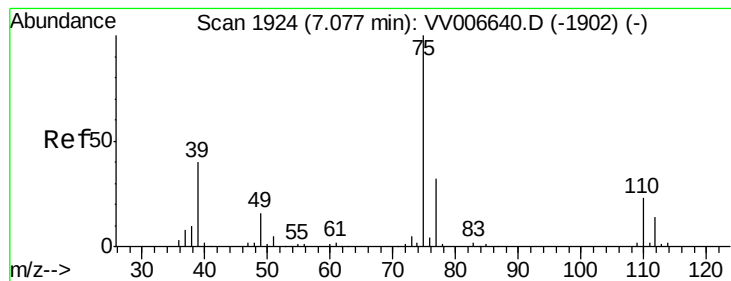
Tgt Ion: 63 Resp: 109707
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.341 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

Tgt Ion: 83 Resp: 119992
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.3 82.3
 127 8.1 6.5 9.7



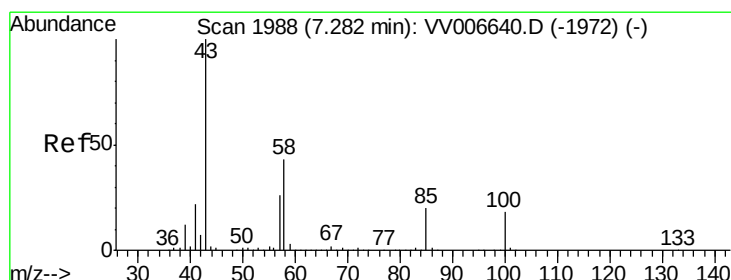
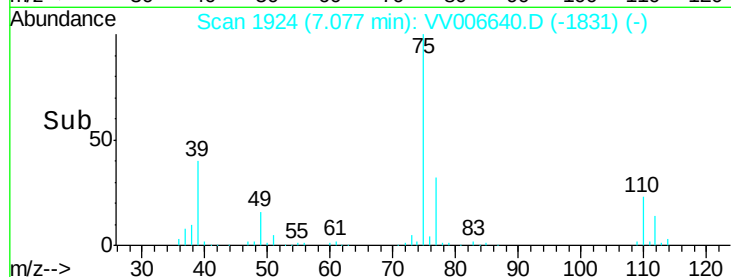
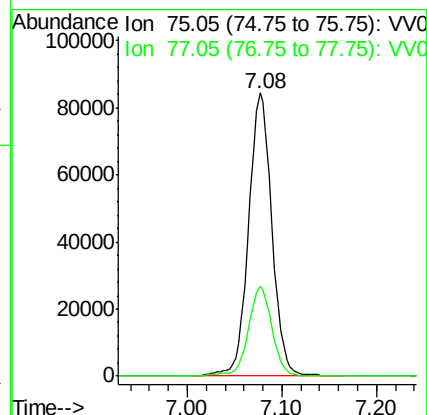
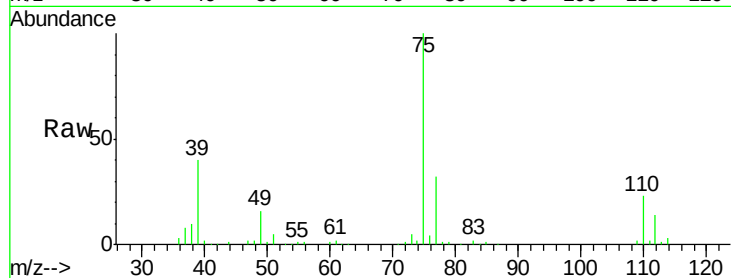


#39

cis-1,3-Dichloropropene
 Concen: 5.431 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

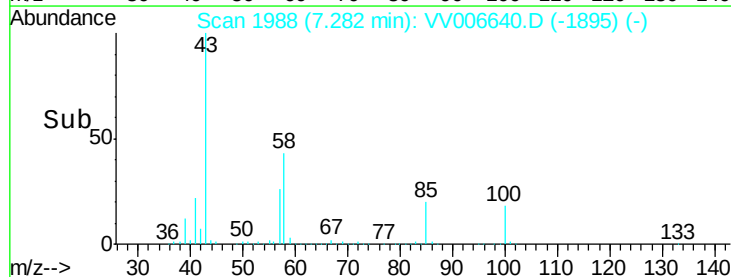
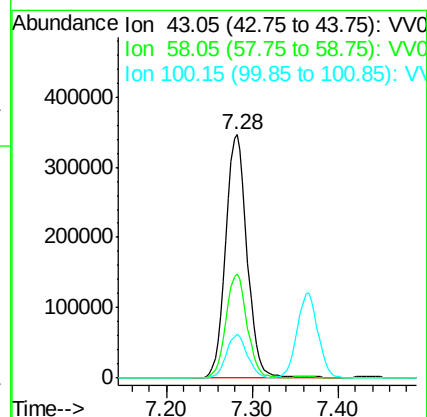
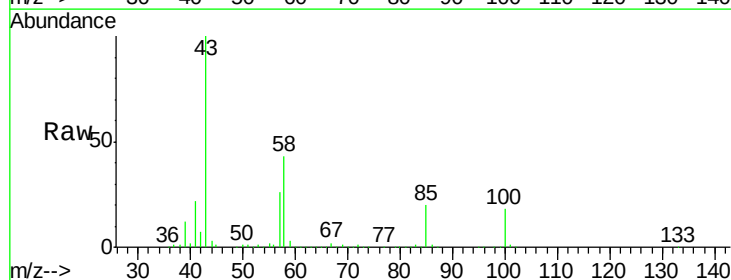
Tgt Ion: 75 Resp: 144437
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2

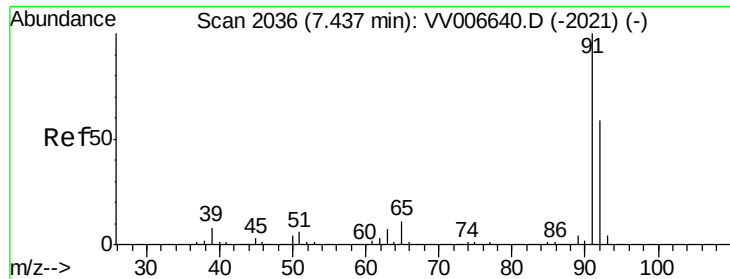


#40

4-Methyl-2-pentanone
 Concen: 55.221 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

Tgt Ion: 43 Resp: 603723
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.6 50.4
 100 17.3 13.8 20.8





#42

Toluene

Concen: 5.433 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

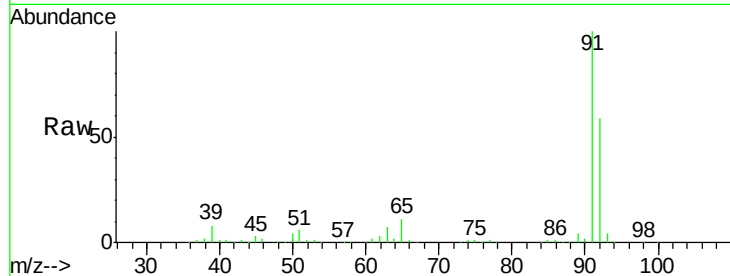
VSTD00566

Tgt Ion: 91 Resp: 445152

Ion Ratio Lower Upper

91 100

92 59.1 41.4 76.8



Abundance Ion 91.15 (90.85 to 91.85): VV006640.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VV006640.D (-2021) (-)

7.44

250000

200000

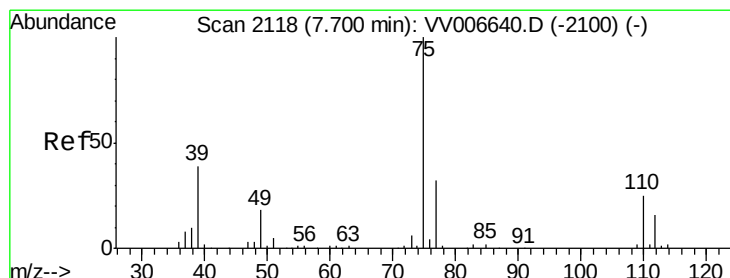
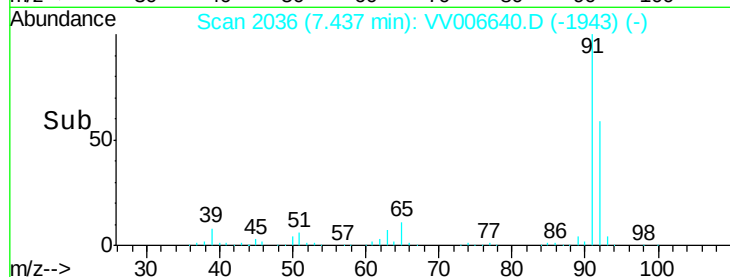
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.432 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006640.D

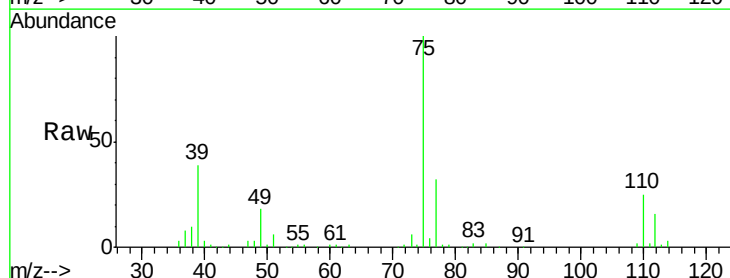
Acq: 19 Jul 2018 13:30

Tgt Ion: 75 Resp: 112308

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV006640.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006640.D (-2100) (-)

7.70

80000

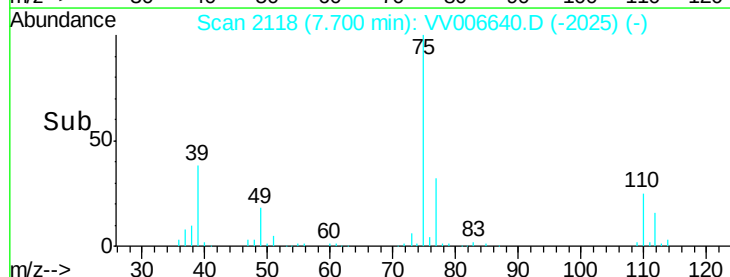
60000

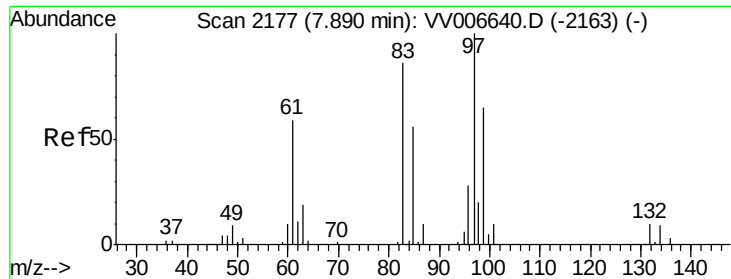
40000

20000

0

Time-->

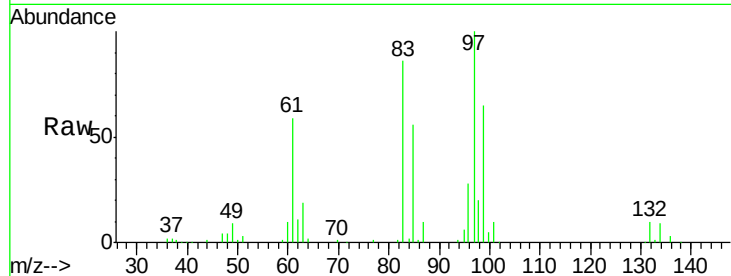




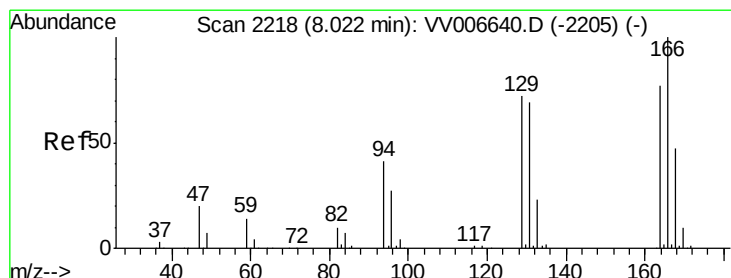
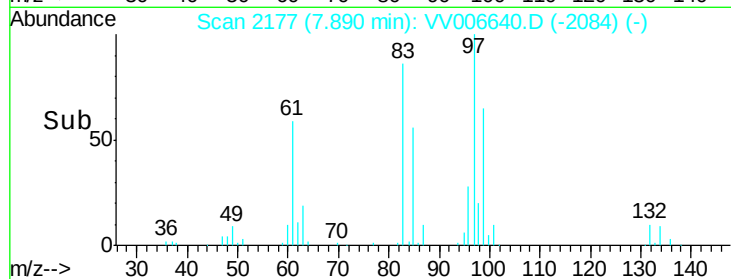
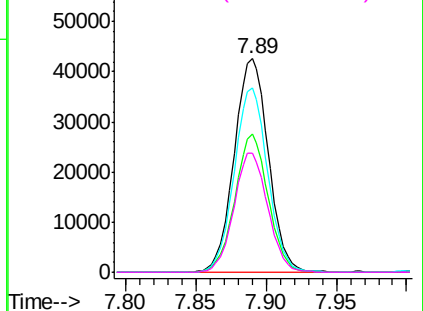
#45
 1,1,2-Trichloroethane
 Concen: 5.323 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion:	97	Resp:	72429
Ion	Ratio	Lower	Upper
97	100		
99	64.6	45.2	84.0
83	86.4	60.5	112.3
85	55.7	39.0	72.4

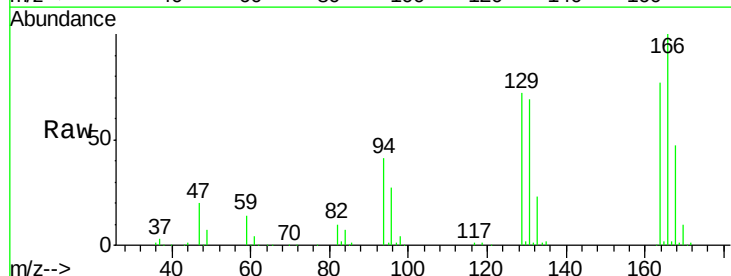


Abundance Ion 96.95 (96.65 to 97.65): VV006640.D (-2163) (-)

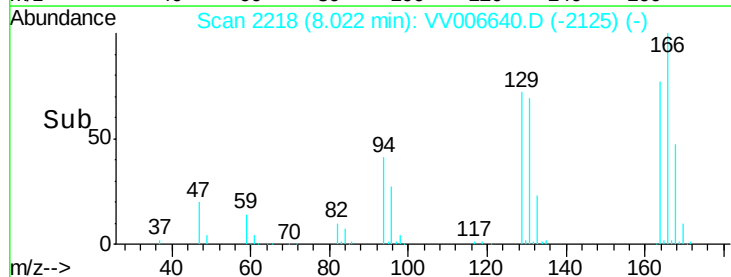
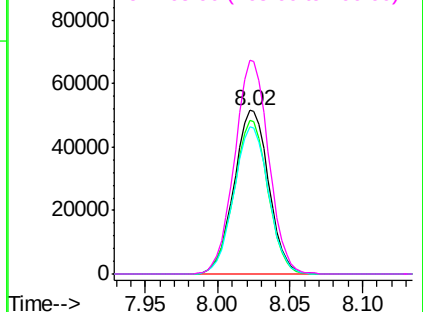


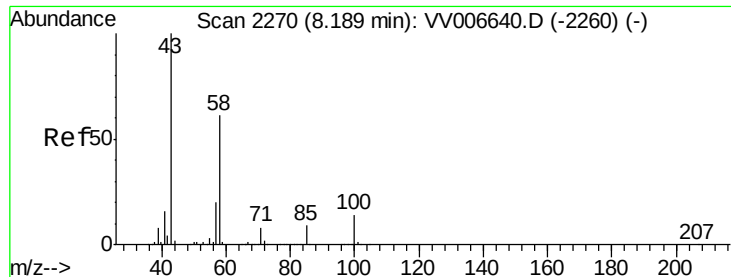
#47
 Tetrachloroethene
 Concen: 5.307 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

Tgt Ion:	164	Resp:	85504
Ion	Ratio	Lower	Upper
164	100		
129	94.2	65.9	122.5
131	89.8	62.9	116.7
166	130.6	91.4	169.8



Abundance Ion 163.90 (163.60 to 164.60): VV006640.D (-2205) (-)

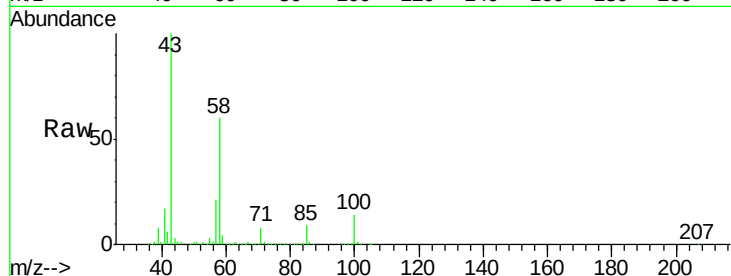




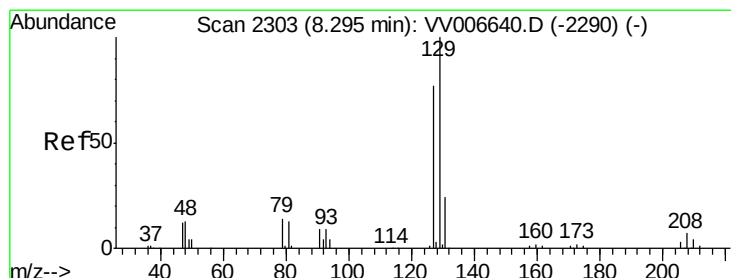
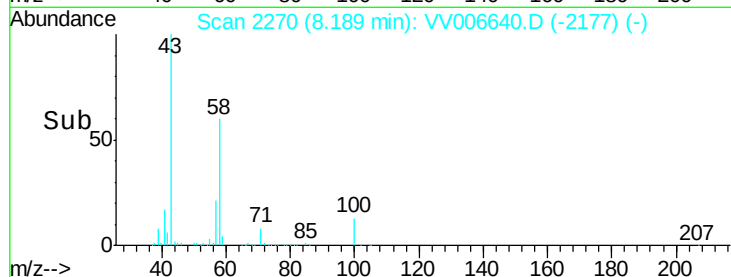
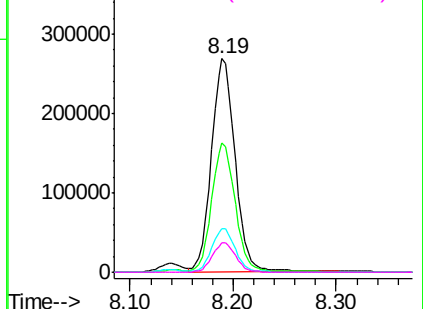
#48
2-Hexanone
Concen: 55.937 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tgt Ion:	43	Resp:	427507
Ion	Ratio	Lower	Upper
43	100		
58	60.2	48.2	72.2
57	20.3	16.2	24.4
100	13.7	11.0	16.4

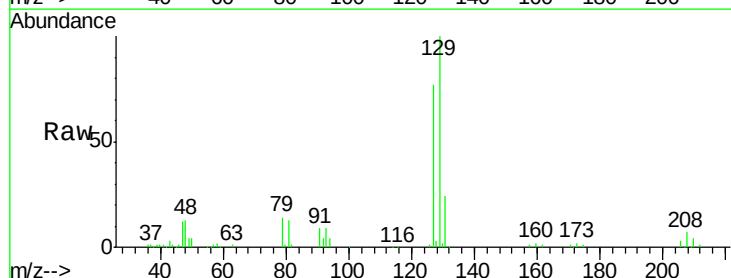


Abundance Ion 43.05 (42.75 to 43.75): VV006640.D (-2260) (-)
Ion 58.05 (57.75 to 58.75): VV006640.D (-2260) (-)
Ion 57.20 (56.90 to 57.90): VV006640.D (-2260) (-)
Ion 100.15 (99.85 to 100.85): VV006640.D (-2260) (-)

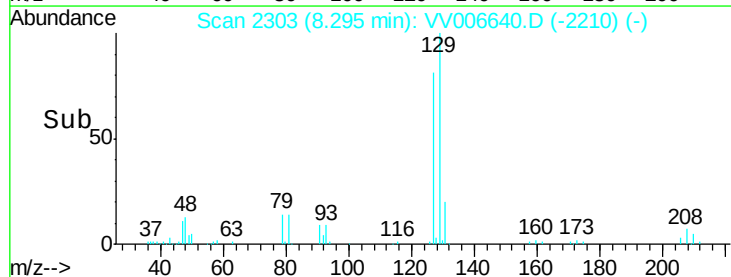
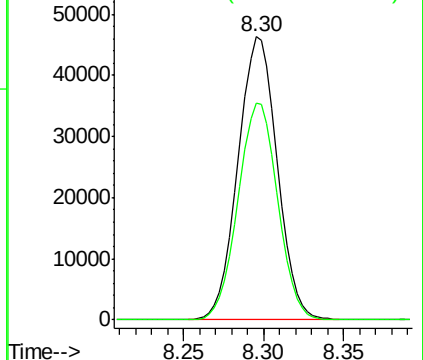


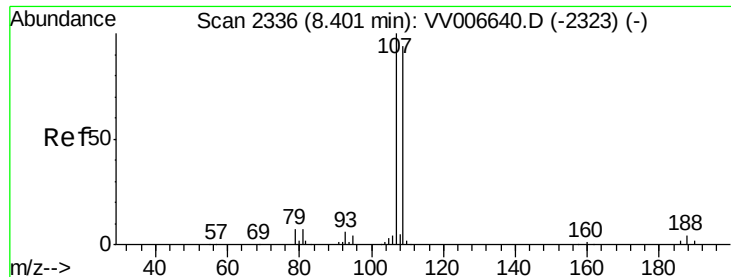
#49
Dibromochloromethane
Concen: 5.383 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Tgt Ion:	129	Resp:	77604
Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.6	99.6



Abundance Ion 128.95 (128.65 to 129.65): VV006640.D (-2290) (-)
Ion 126.90 (126.60 to 127.60): VV006640.D (-2290) (-)

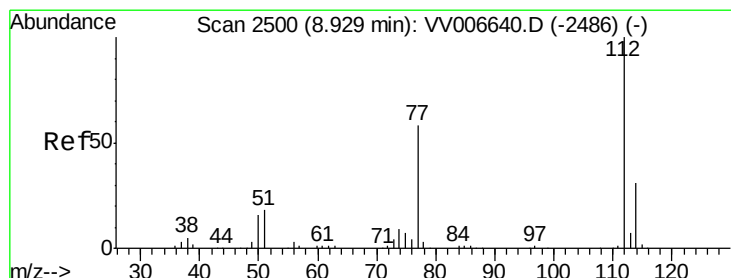
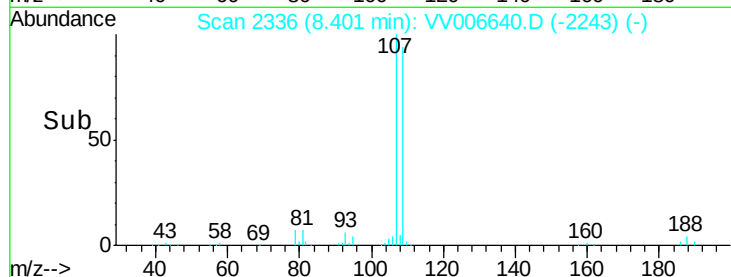
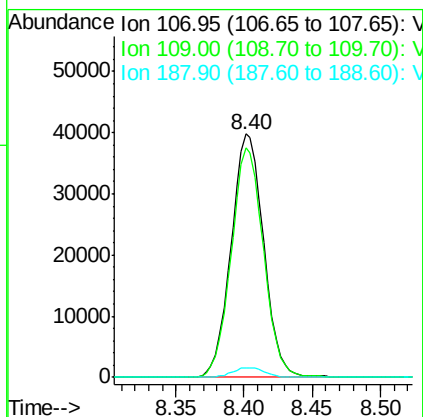
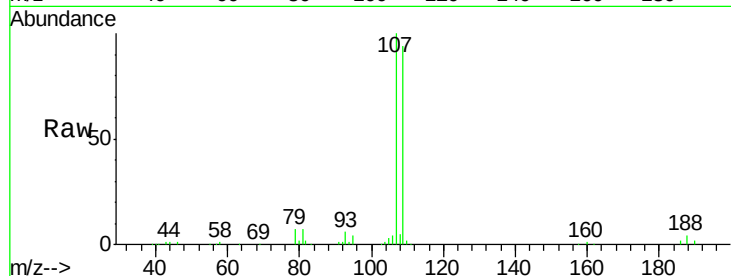




#50
1,2-Dibromoethane
Concen: 5.388 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

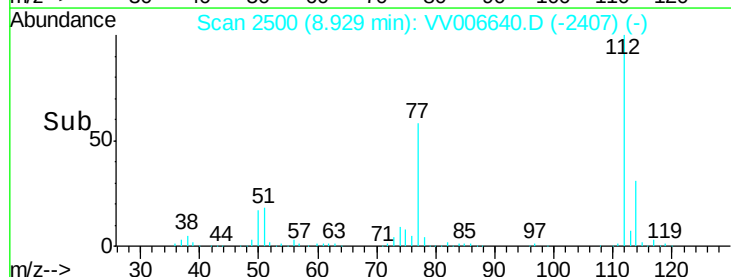
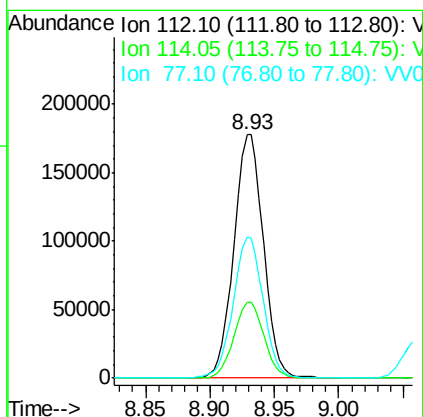
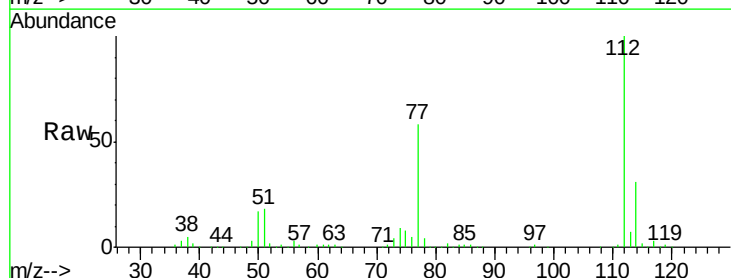
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

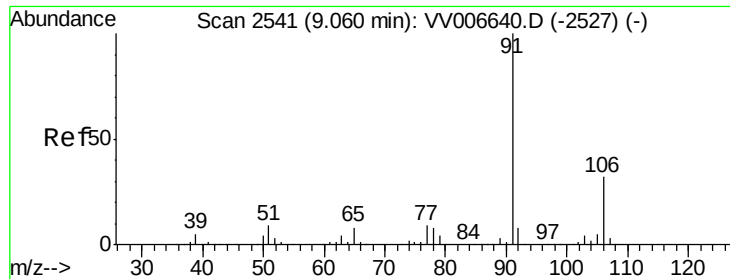
Tgt Ion:107 Resp: 65892
Ion Ratio Lower Upper
107 100
109 94.3 66.0 122.6
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 5.326 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006640.D
Acq: 19 Jul 2018 13:30

Tgt Ion:112 Resp: 283579
Ion Ratio Lower Upper
112 100
114 31.1 21.8 40.4
77 58.2 46.6 69.8





#52

Ethylbenzene

Concen: 5.456 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

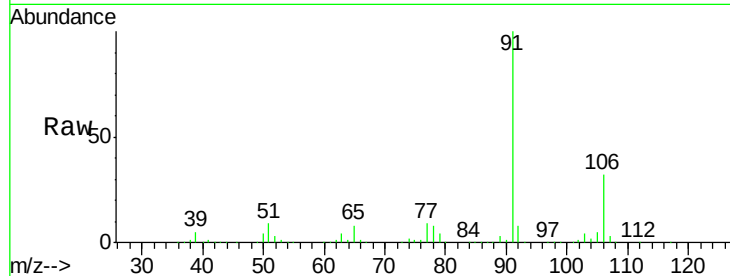
VSTD00566

Tgt Ion: 91 Resp: 479993

Ion Ratio Lower Upper

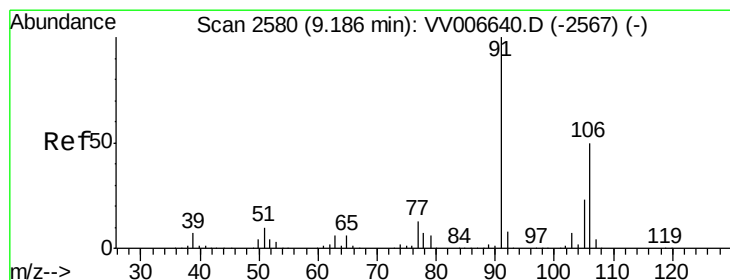
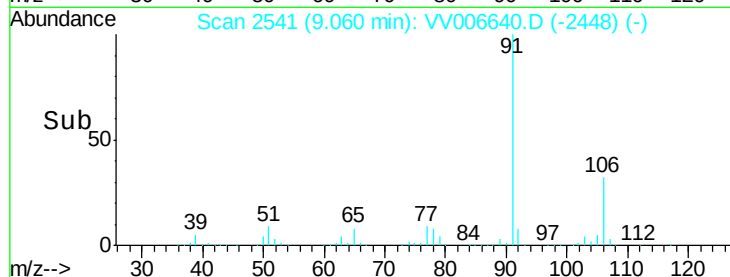
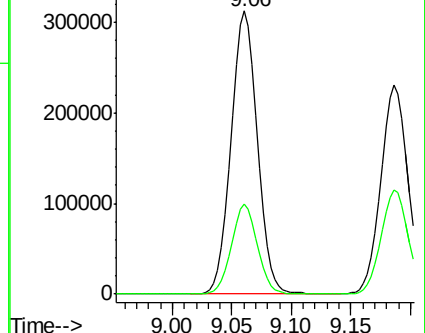
91 100

106 31.6 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV006640.D (-2527) (-)

Ion 106.15 (105.85 to 106.85): VV006640.D (-2527) (-)



#53

m,p-xylene

Concen: 5.476 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006640.D

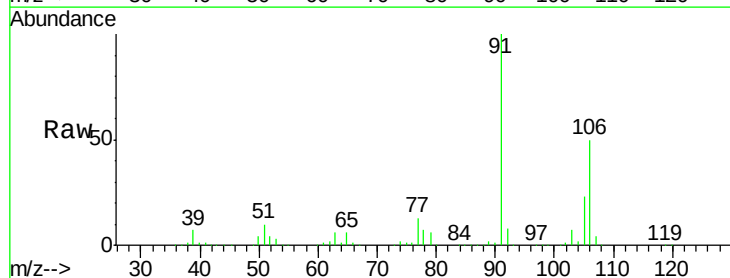
Acq: 19 Jul 2018 13:30

Tgt Ion: 106 Resp: 183156

Ion Ratio Lower Upper

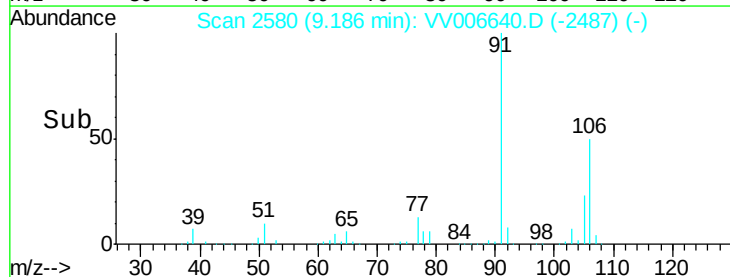
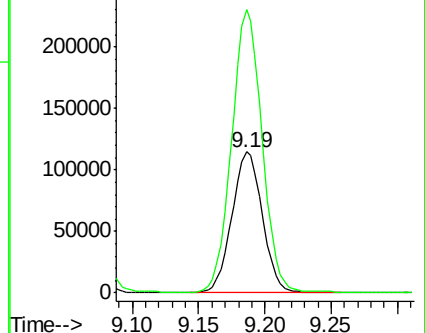
106 100

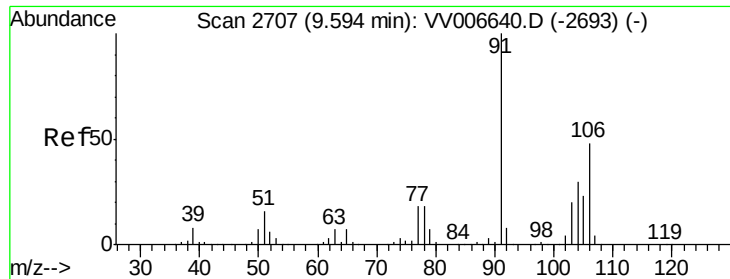
91 200.4 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006640.D (-2567) (-)

Ion 91.15 (90.85 to 91.85): VV006640.D (-2567) (-)





#54

o-xylene

Concen: 5.482 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

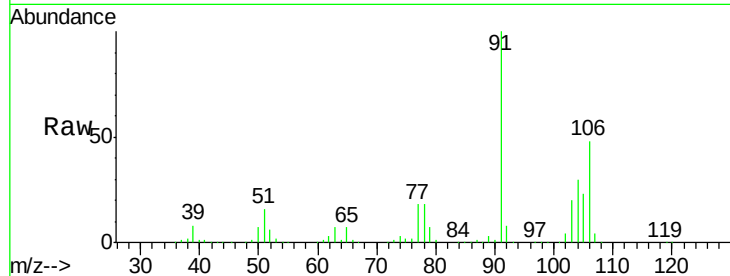
VSTD00566

Tgt Ion:106 Resp: 178875

Ion Ratio Lower Upper

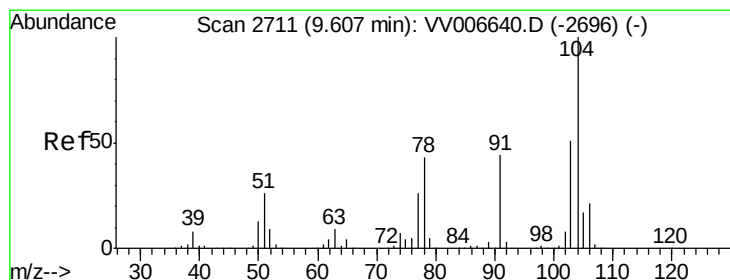
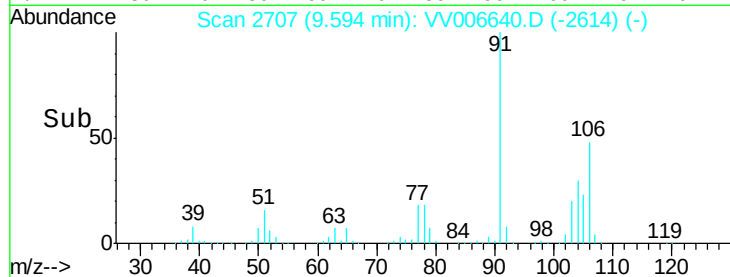
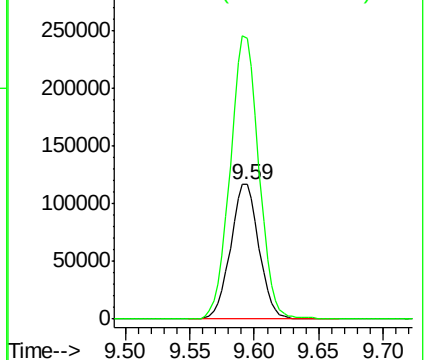
106 100

91 208.6 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.614 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV006640.D

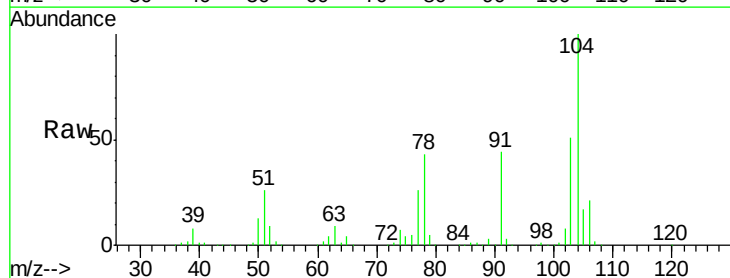
Acq: 19 Jul 2018 13:30

Tgt Ion:104 Resp: 306691

Ion Ratio Lower Upper

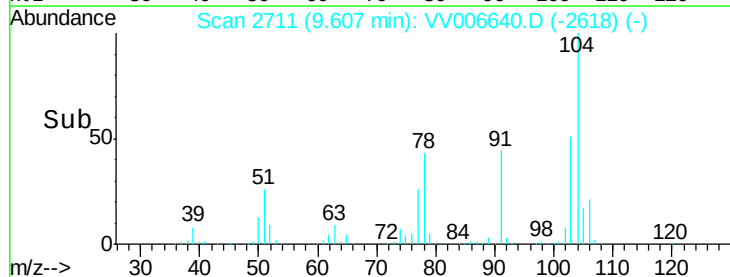
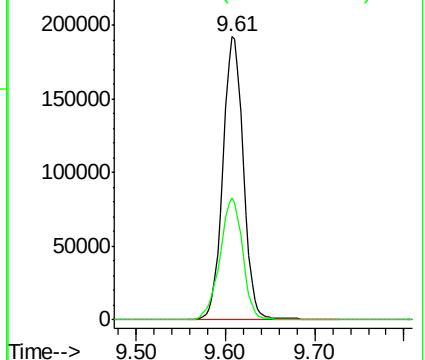
104 100

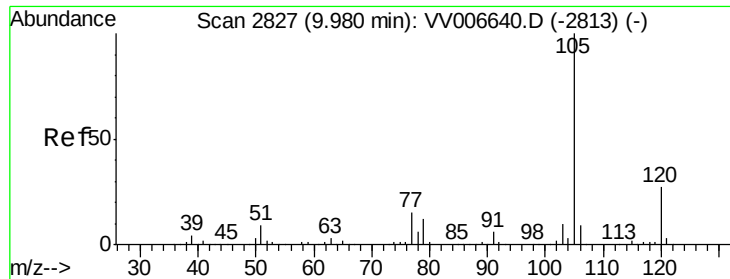
78 43.1 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.516 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

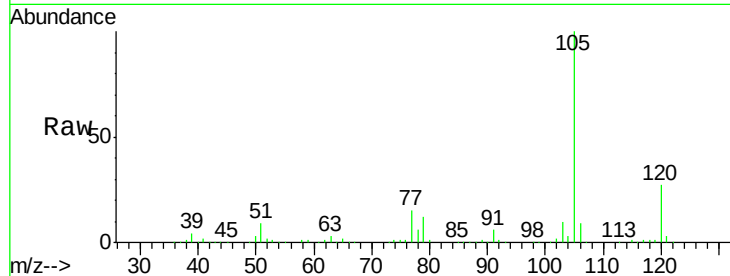
Tgt Ion: 105 Resp: 472202

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

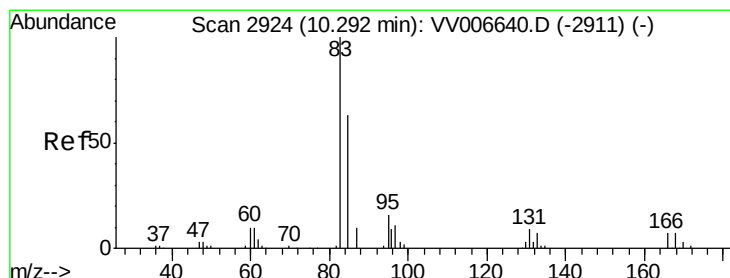
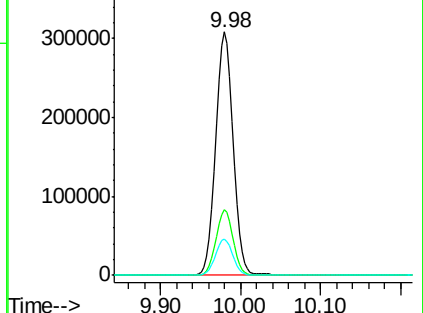
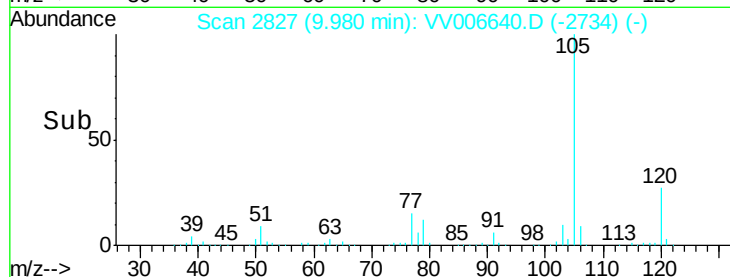
77 14.9 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.407 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

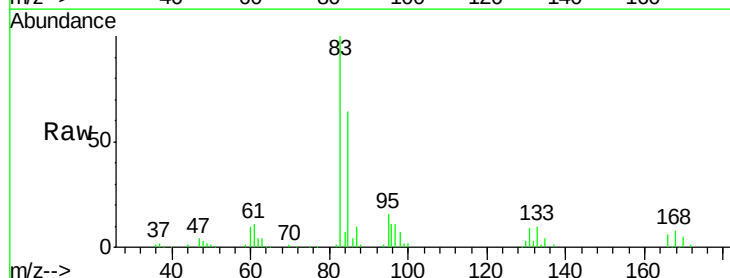
Tgt Ion: 83 Resp: 88235

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

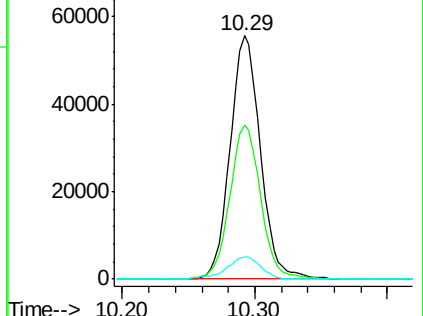
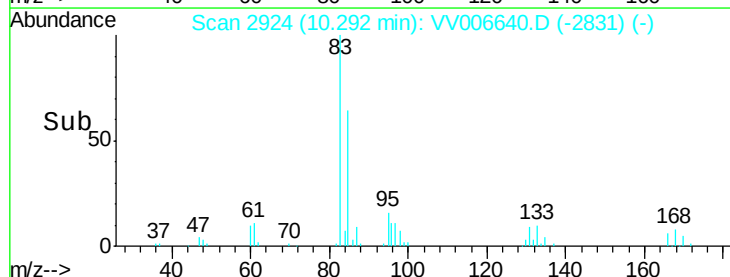
131 9.3 7.4 11.2

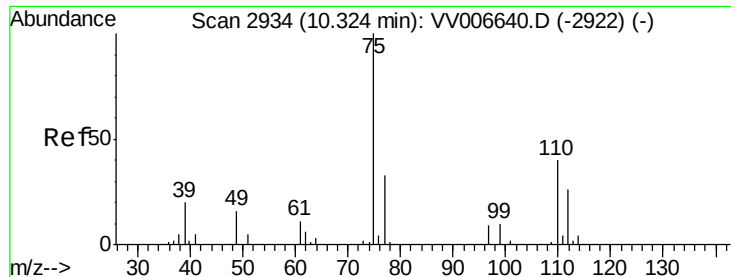


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.304 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

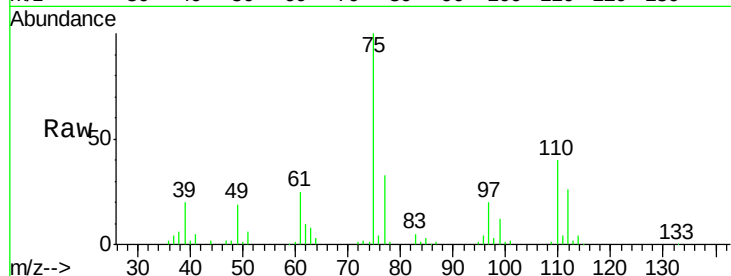
VSTD00566

Tgt Ion: 75 Resp: 63244

Ion Ratio Lower Upper

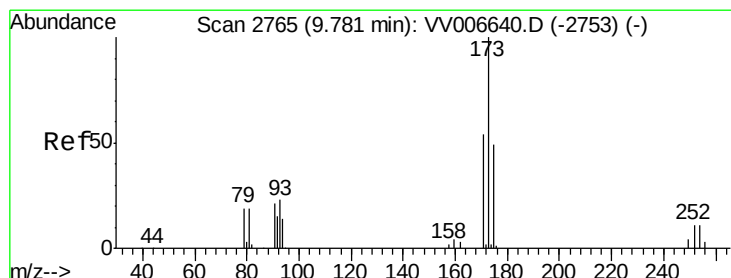
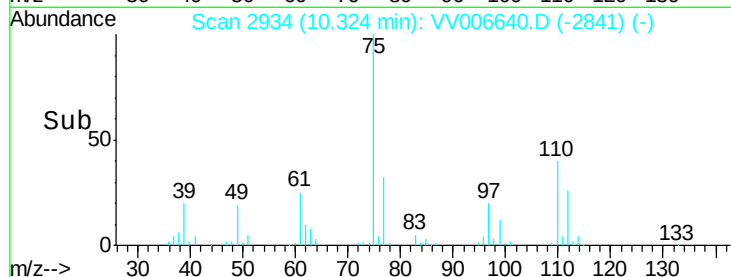
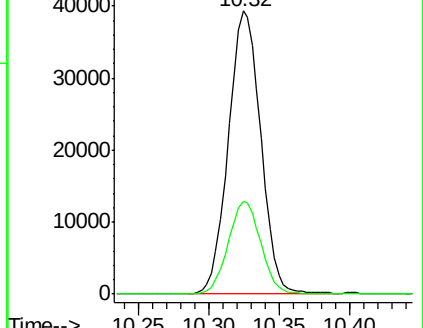
75 100

77 32.8 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV006640.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006640.D (-2922) (-)



#61

Bromoform

Concen: 5.261 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

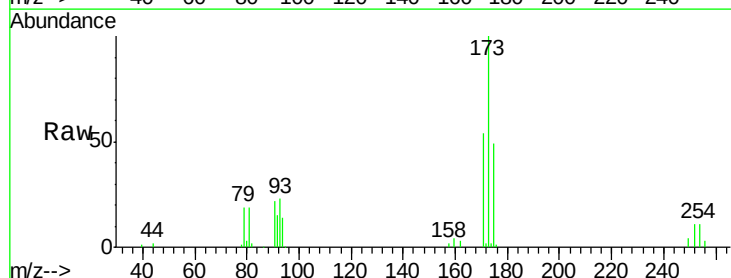
Tgt Ion: 173 Resp: 39611

Ion Ratio Lower Upper

173 100

175 48.6 38.9 58.3

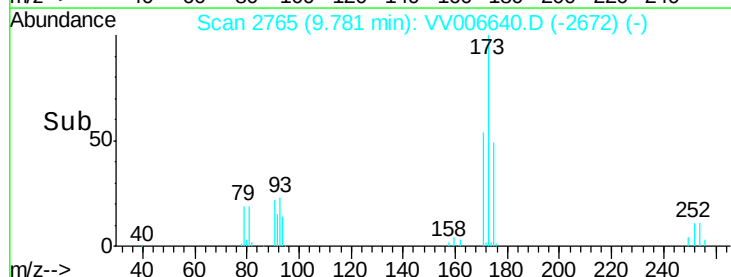
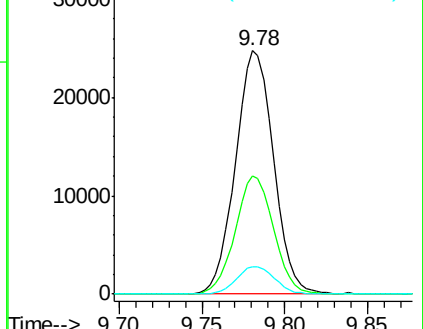
254 11.4 9.1 13.7

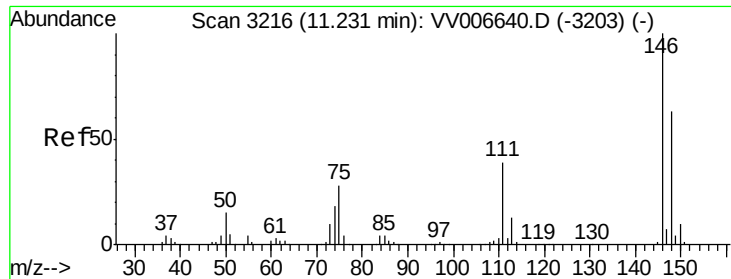


Abundance Ion 172.90 (172.60 to 173.60): VV006640.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006640.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006640.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 5.312 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

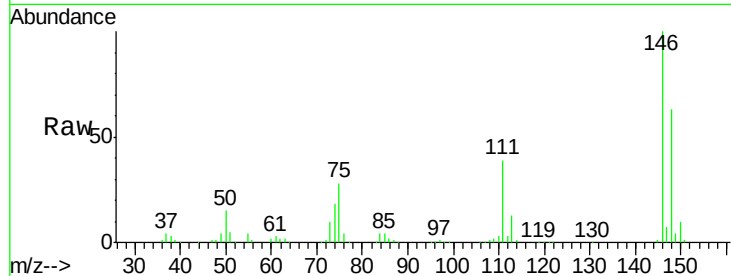
Tgt Ion:146 Resp: 210823

Ion Ratio Lower Upper

146 100

111 38.9 27.2 50.6

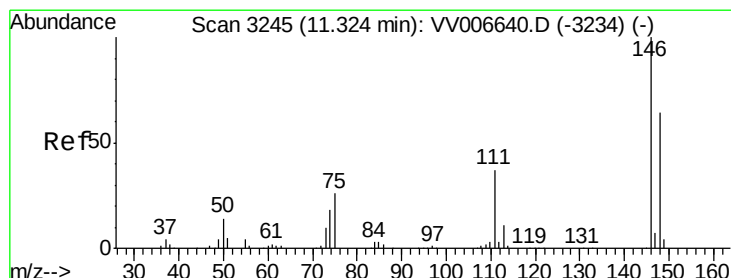
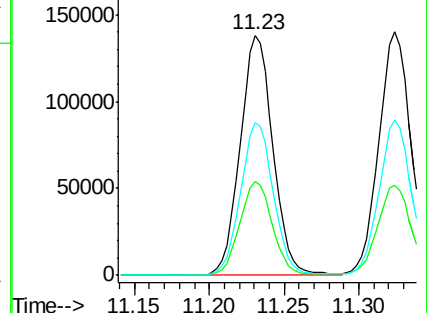
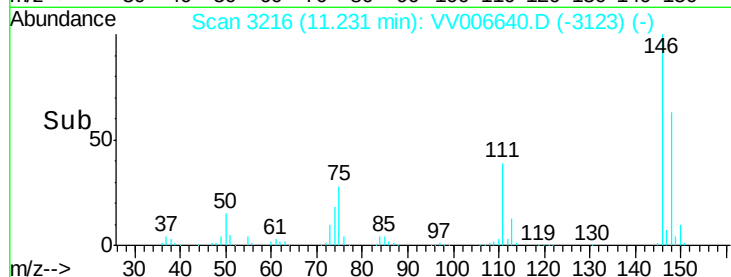
148 63.4 44.4 82.4



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: 5.289 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

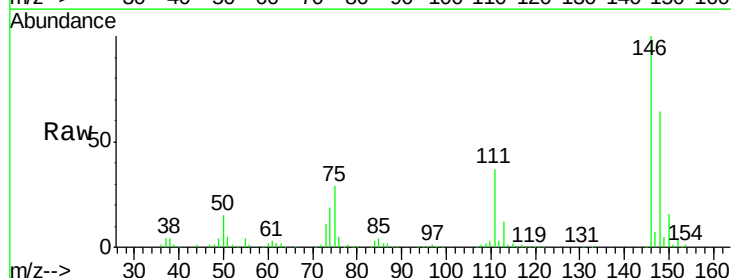
Tgt Ion:146 Resp: 213229

Ion Ratio Lower Upper

146 100

111 37.2 26.0 48.4

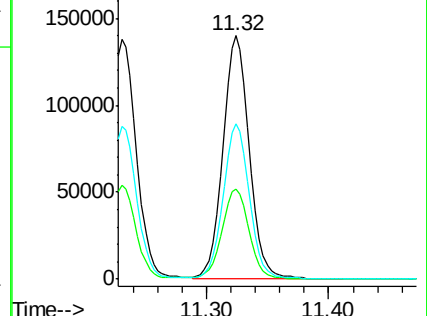
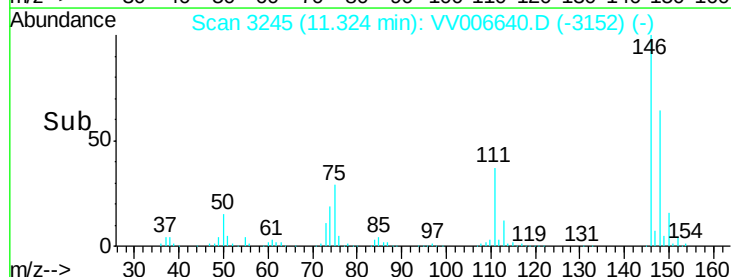
148 63.7 44.6 82.8

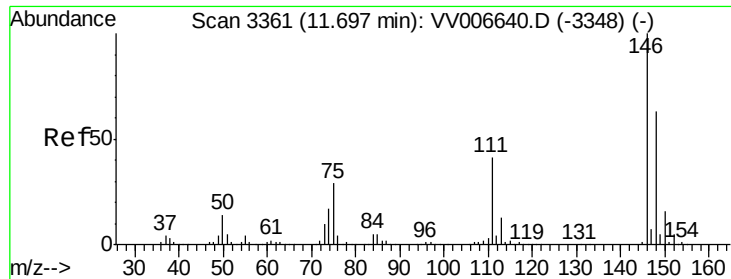


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.371 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

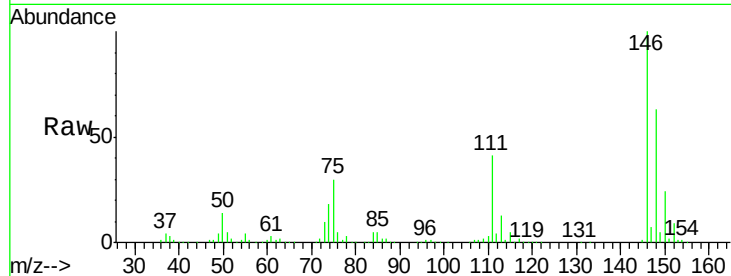
Tgt Ion:146 Resp: 204342

Ion Ratio Lower Upper

146 100

111 40.8 32.6 49.0

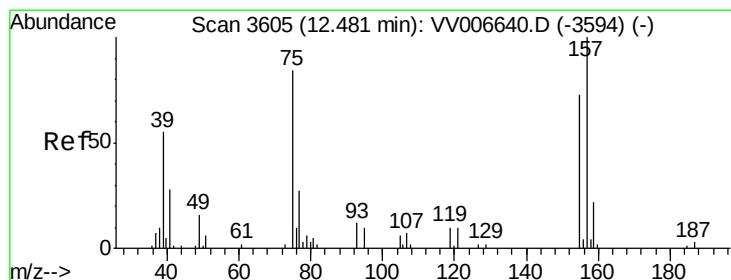
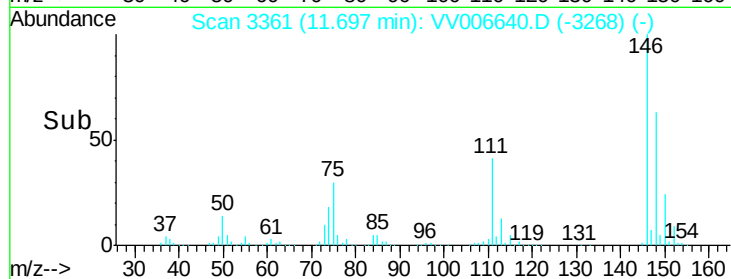
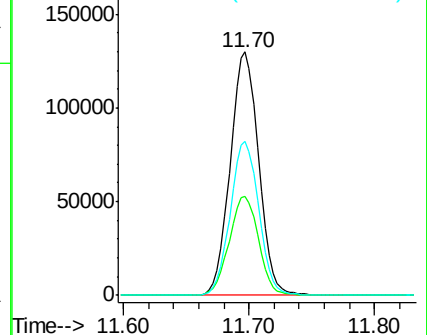
148 63.5 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.436 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

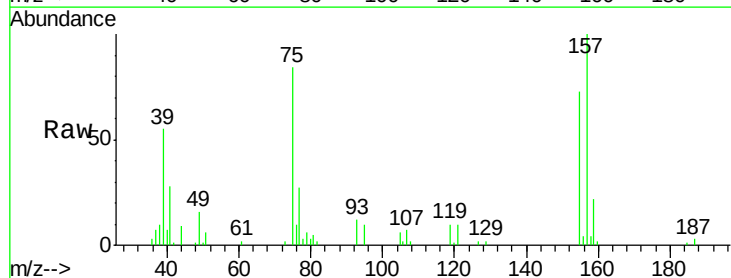
Tgt Ion: 75 Resp: 12272

Ion Ratio Lower Upper

75 100

155 87.2 69.8 104.6

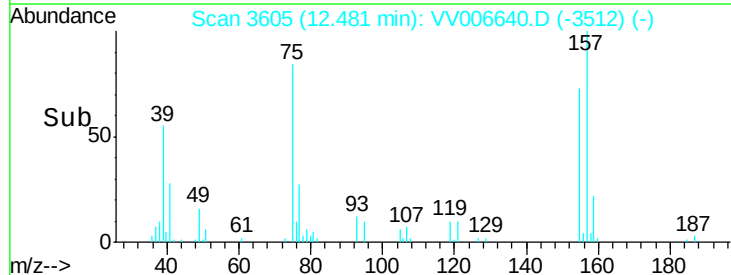
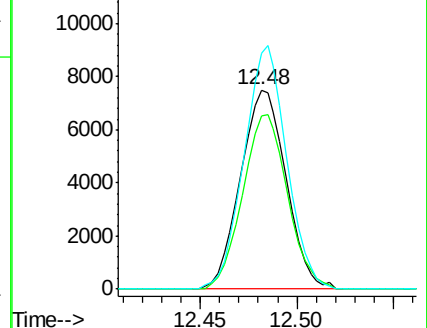
157 118.8 95.0 142.6

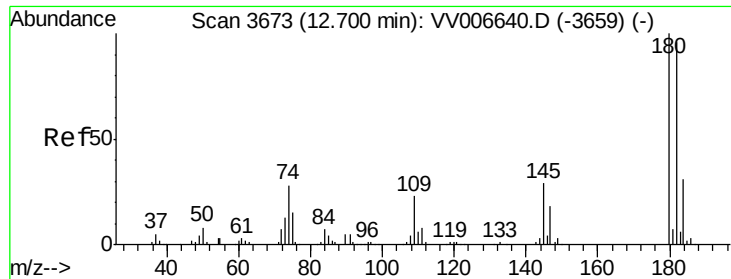


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

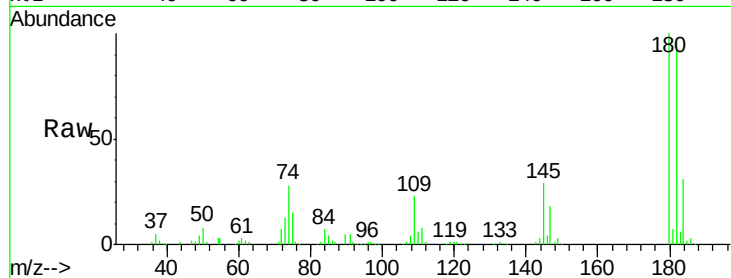




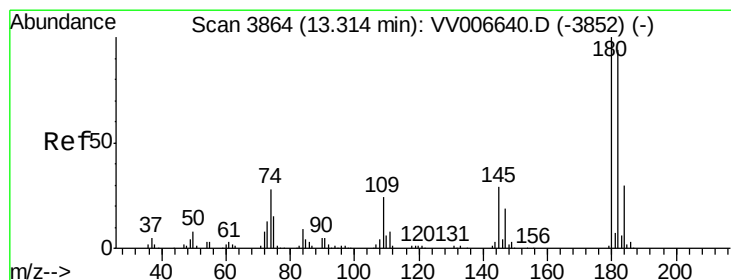
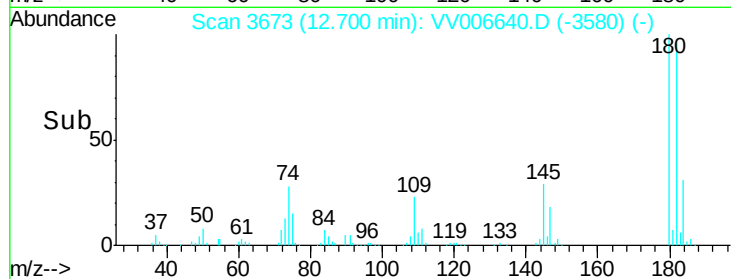
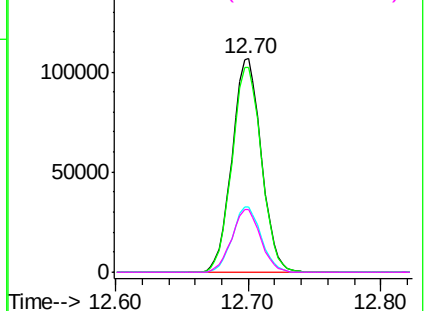
#67
 1,3,5-Trichlorobenzene
 Concen: 5.326 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion:180 Resp: 163349
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.4 116.0
 184 30.2 24.2 36.2
 145 29.0 23.2 34.8

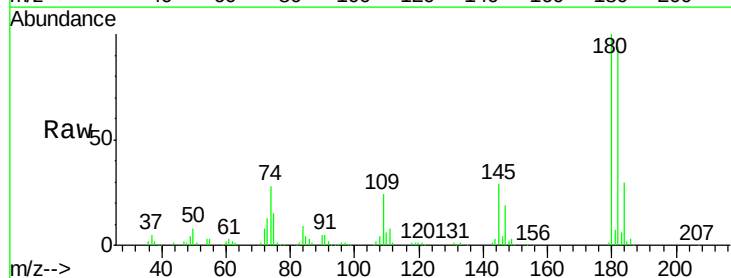


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

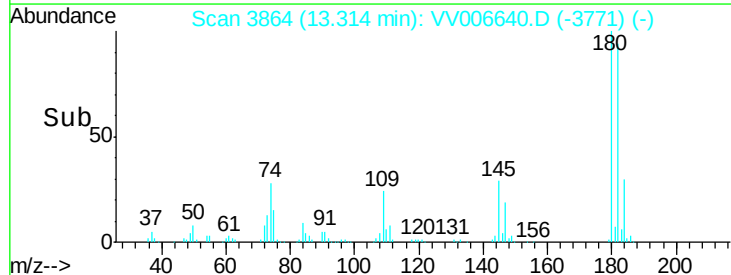
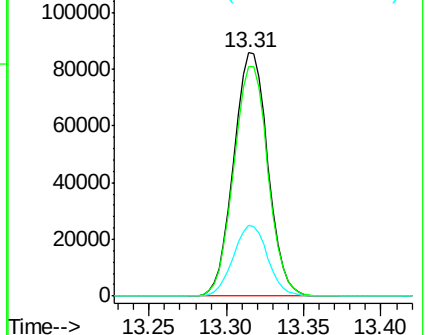


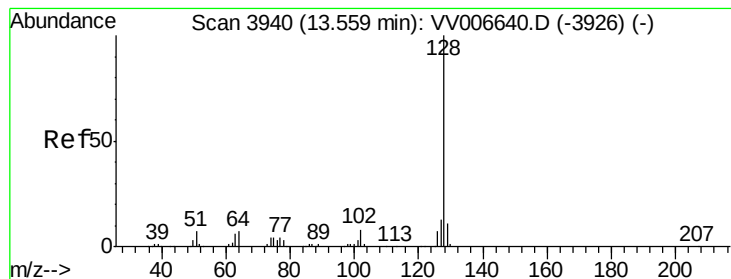
#68
 1,2,4-trichlorobenzene
 Concen: 5.407 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV006640.D
 Acq: 19 Jul 2018 13:30

Tgt Ion:180 Resp: 131561
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.8 113.8
 145 29.2 23.4 35.0



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





#69

Naphthalene

Concen: 5.448 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

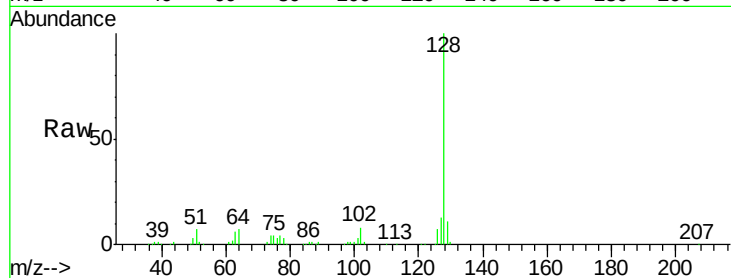
Tgt Ion:128 Resp: 229461

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

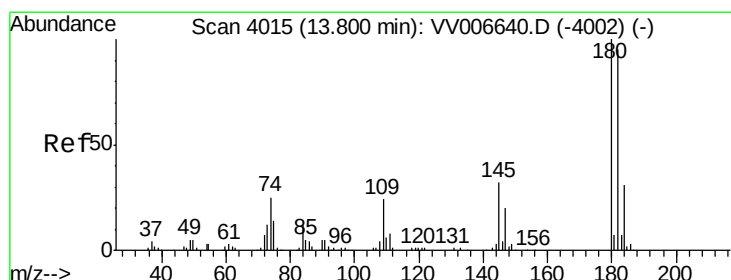
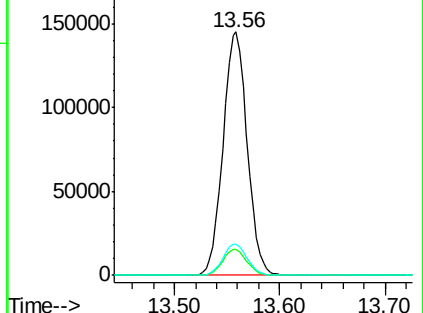
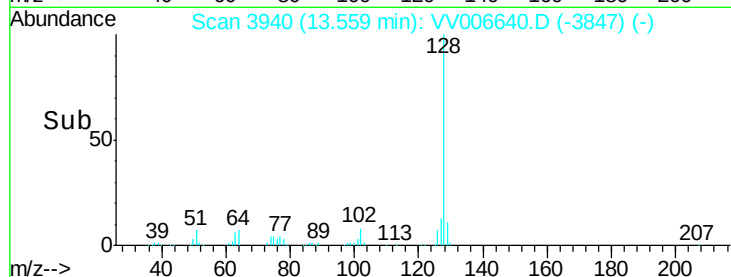
127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.501 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006640.D

Acq: 19 Jul 2018 13:30

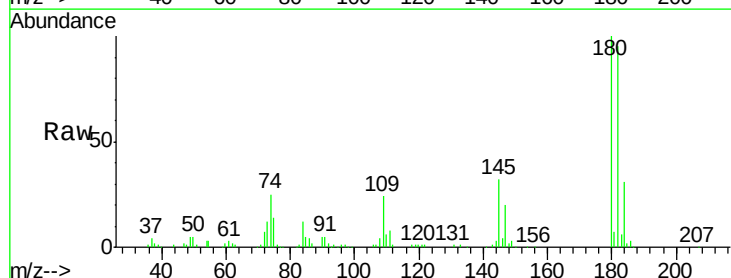
Tgt Ion:180 Resp: 126084

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 31.3 25.0 37.6



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

