

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071918\
 Data File : VV006654.D
 Acq On : 19 Jul 2018 20:57
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

Quant Time: Jul 20 05:11:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 05:09:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	252289	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	231293	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	112738	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88668	5.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.20%
7) Chloroethane-d5	1.57	69	65411	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.13	63	172677	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	3.95	46	150201	39.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.12%
24) Chloroform-d	4.41	84	155515	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.09	65	70351	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.10	84	324149	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.12	67	98887	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.36	98	305626	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.67	79	32016	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.14	63	153293	46.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.02%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	71032	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	103884	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	125778	5.243 ug/L #	85
3) Chloromethane	1.26	50	95640	4.714 ug/L	98
5) Vinyl chloride	1.32	62	133969	5.113 ug/L #	36
6) Bromomethane	1.52	94	11921	1.605 ug/L	97
8) Chloroethane	1.59	64	83491	5.547 ug/L	92
9) Trichlorofluoromethane	1.76	101	164202	5.222 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	102028	5.177 ug/L	99
12) 1,1-Dichloroethene	2.14	96	97080	5.198 ug/L	96
13) Acetone	2.19	43	137787	46.721 ug/L	99
14) Carbon disulfide	2.32	76	324979	5.365 ug/L	99
15) Methyl Acetate	2.46	43	42114	4.867 ug/L	99
16) Methylene chloride	2.54	84	105870	4.506 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	230501	4.999 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	105647	5.132 ug/L	98
19) 1,1-Dichloroethane	3.23	63	196302	5.401 ug/L	99
21) 2-Butanone	4.04	43	239455	48.477 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	111703	5.182 ug/L	99

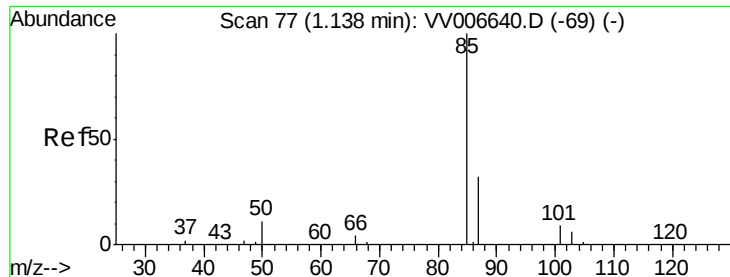
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071918\
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45463	5.181	ug/L	98
25) Chloroform	4.43	83	183511	5.240	ug/L	98
27) 1,2-Dichloroethane	5.19	62	104918	5.127	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	152512	5.276	ug/L	99
30) Cyclohexane	4.72	56	168760	5.222	ug/L	100
31) Carbon tetrachloride	4.88	117	126081	5.099	ug/L	98
33) Benzene	5.15	78	426669	5.245	ug/L	100
34) Trichloroethene	5.96	95	104903	5.096	ug/L	99
35) Methylcyclohexane	6.18	83	179914	5.237	ug/L	99
37) 1,2-Dichloropropane	6.23	63	108134	5.210	ug/L	100
38) Bromodichloromethane	6.56	83	121560	5.273	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	135448	4.963	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	555926	49.550	ug/L	99
42) Toluene	7.44	91	443621	5.276	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	103129	4.860	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	70904	5.078	ug/L	99
47) Tetrachloroethene	8.02	164	86268	5.218	ug/L	97
48) 2-Hexanone	8.19	43	385671	49.174	ug/L	99
49) Dibromochloromethane	8.30	129	76618	5.179	ug/L	99
50) 1,2-Dibromoethane	8.40	107	63590	5.067	ug/L	99
51) Chlorobenzene	8.93	112	285783	5.230	ug/L	99
52) Ethylbenzene	9.06	91	482724	5.347	ug/L	100
53) m,p-xylene	9.19	106	186482	5.433	ug/L	99
54) o-xylene	9.59	106	180005	5.375	ug/L	98
55) Styrene	9.61	104	308284	5.499	ug/L	99
56) Isopropylbenzene	9.98	105	472045	5.373	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	86980	5.194	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	60598	4.952	ug/L	98
61) Bromoform	9.78	173	38161	4.898	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	212327	5.170	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	215689	5.170	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	205540	5.221	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11365	4.865	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	168137	5.298	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	131510	5.223	ug/L	100
69) Naphthalene	13.56	128	220093	5.049	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	123585	5.210	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.243 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampled :

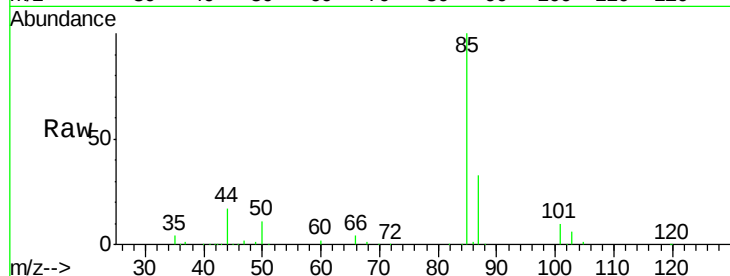
VSTD00570

Tgt Ion: 85 Resp: 125778

Ion Ratio Lower Upper

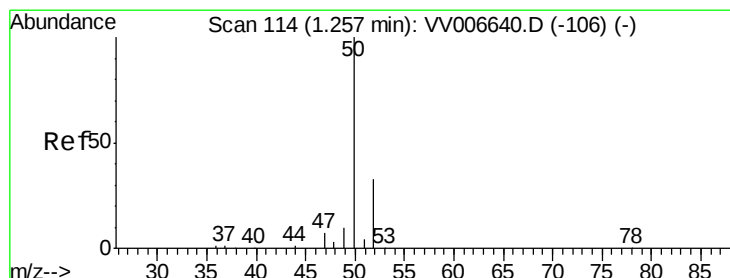
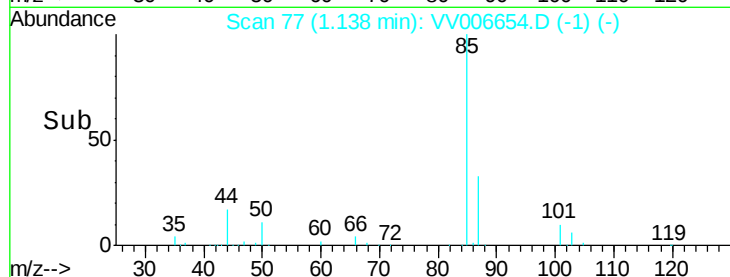
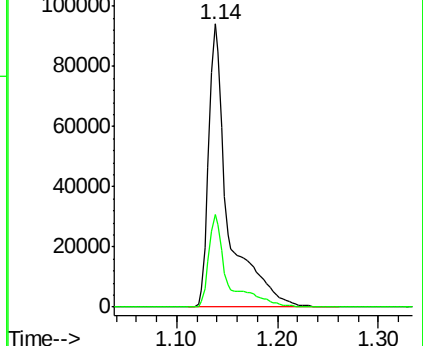
85 100

87 31.7 19.4 29.2#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.714 ug/L

RT: 1.26 min Scan# 115

Delta R.T. 0.00 min

Lab File: VV006654.D

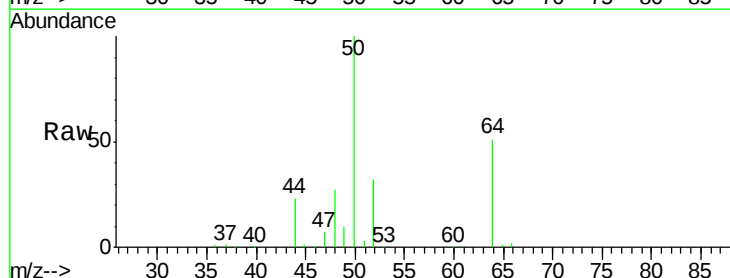
Acq: 19 Jul 2018 20:57

Tgt Ion: 50 Resp: 95640

Ion Ratio Lower Upper

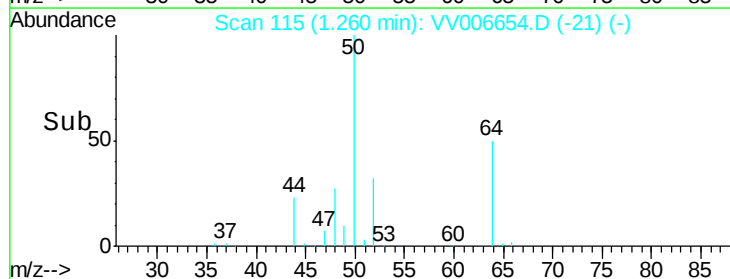
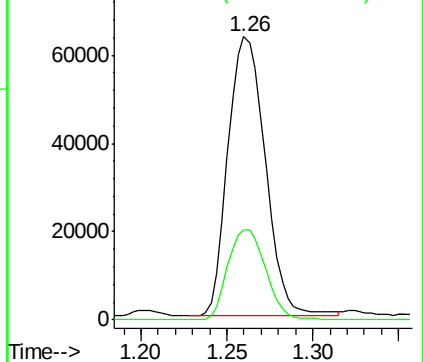
50 100

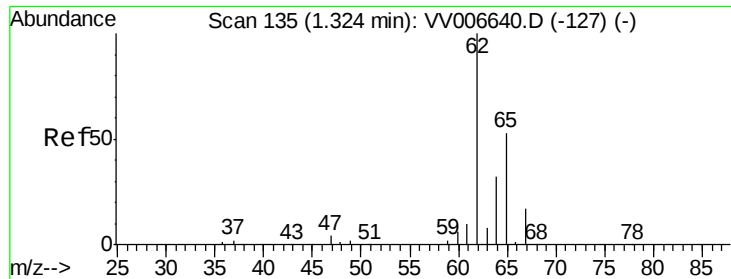
52 32.0 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.113 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

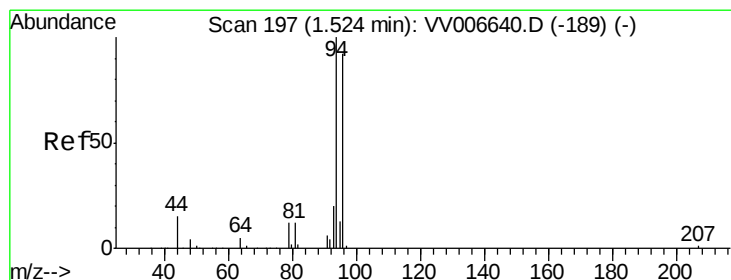
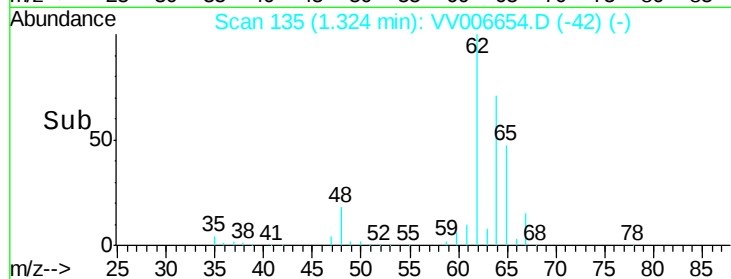
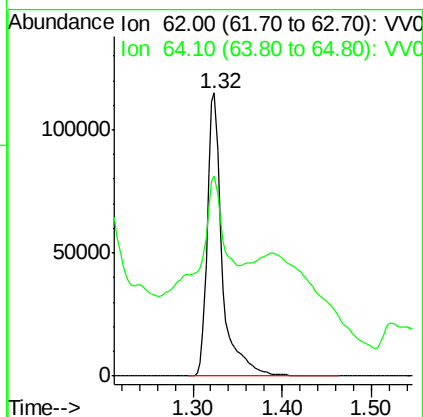
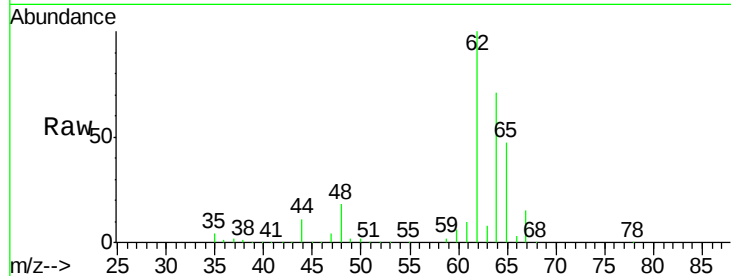
VSTD00570

Tgt Ion: 62 Resp: 133969

Ion Ratio Lower Upper

62 100

64 70.5 23.7 44.1#



#6

Bromomethane

Concen: 1.605 ug/L

RT: 1.52 min Scan# 195

Delta R.T. -0.01 min

Lab File: VV006654.D

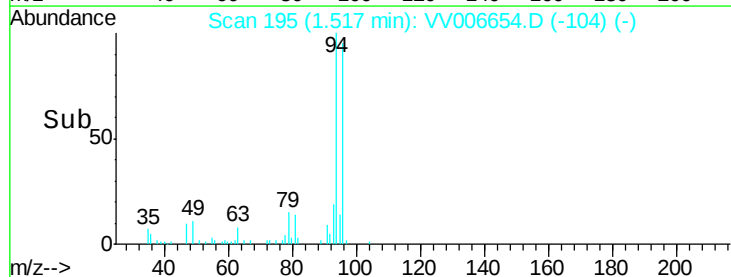
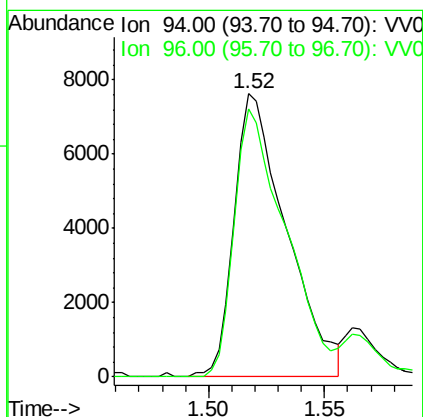
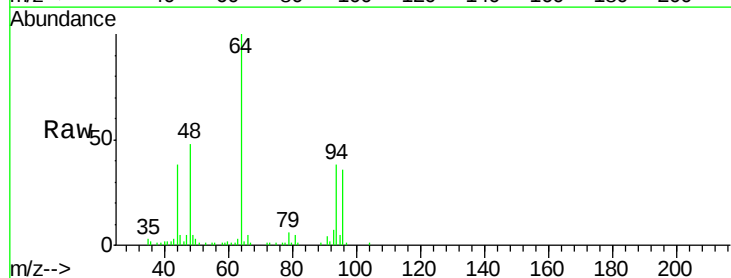
Acq: 19 Jul 2018 20:57

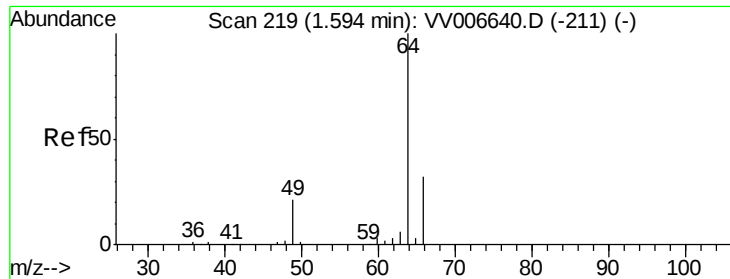
Tgt Ion: 94 Resp: 11921

Ion Ratio Lower Upper

94 100

96 94.6 64.5 119.7

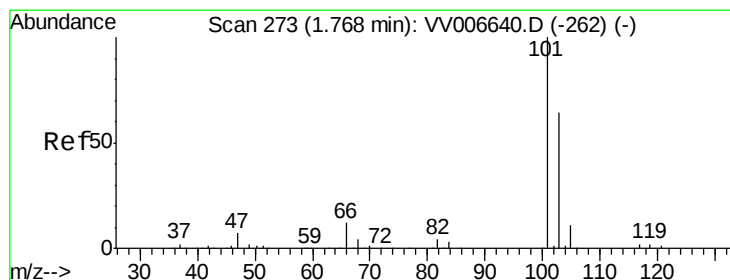
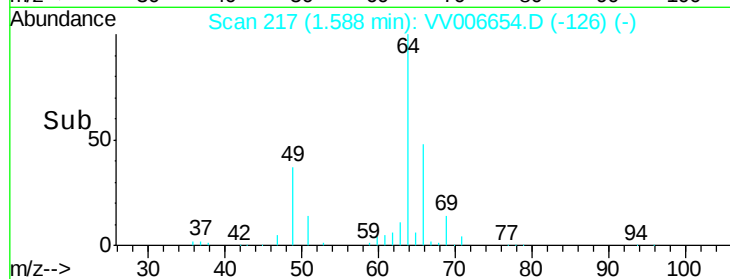
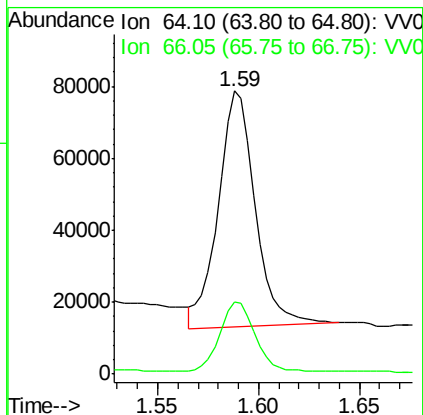
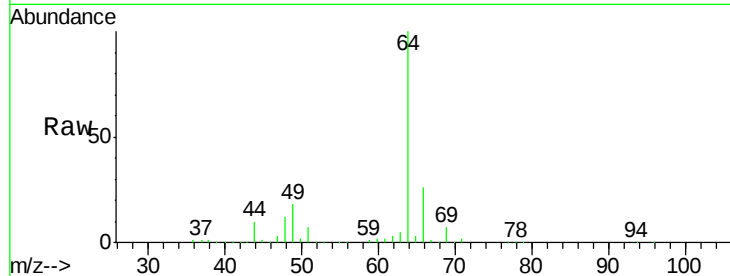




#8
Chloroethane
Concen: 5.547 ug/L
RT: 1.59 min Scan# 217
Delta R.T. -0.01 min
Lab File: VV006654.D
Acq: 19 Jul 2018 20:57

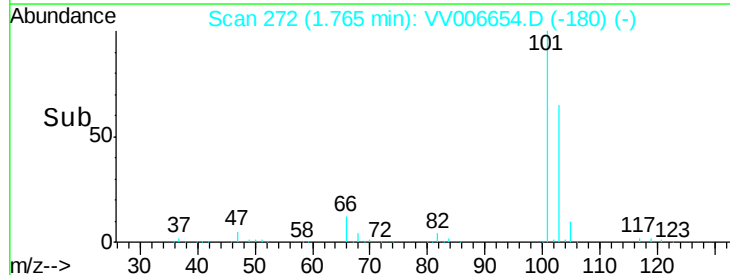
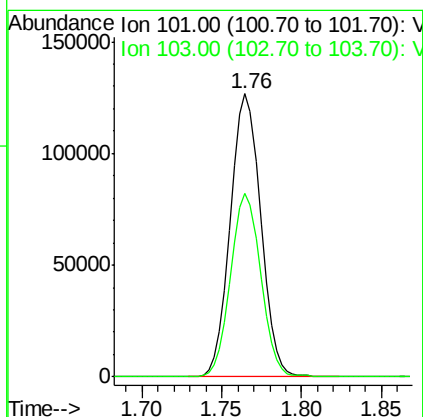
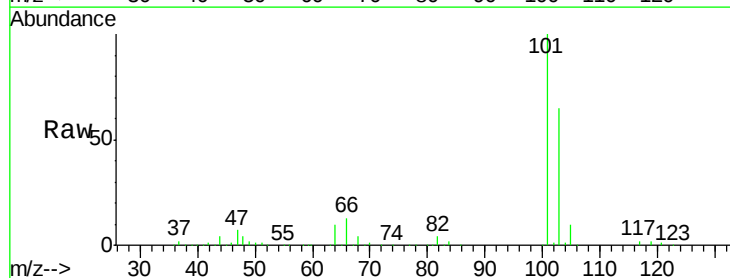
Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

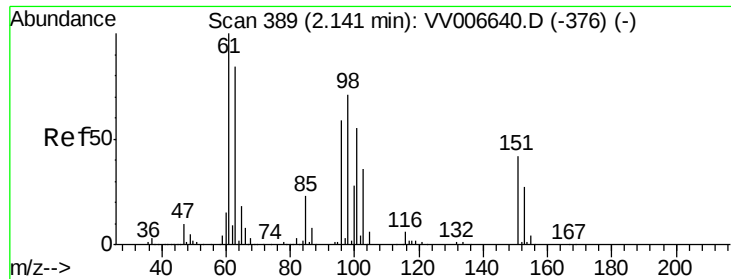
Tgt Ion: 64 Resp: 83491
Ion Ratio Lower Upper
64 100
66 25.7 21.1 39.3



#9
Trichlorofluoromethane
Concen: 5.222 ug/L
RT: 1.76 min Scan# 272
Delta R.T. -0.00 min
Lab File: VV006654.D
Acq: 19 Jul 2018 20:57

Tgt Ion: 101 Resp: 164202
Ion Ratio Lower Upper
101 100
103 64.4 51.1 76.7





#10

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

Concen: 5.177 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

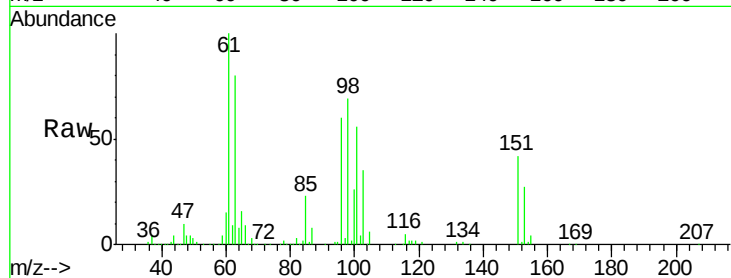
Tgt Ion:101 Resp: 102028

Ion Ratio Lower Upper

101 100

85 41.6 33.7 50.5

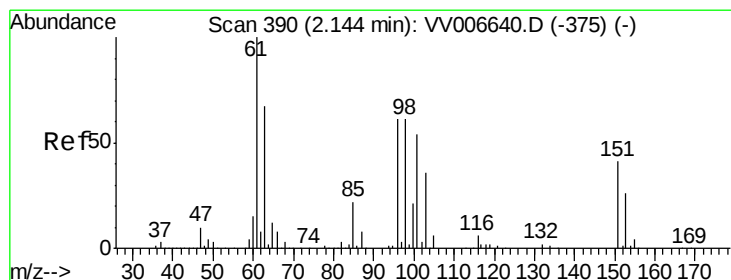
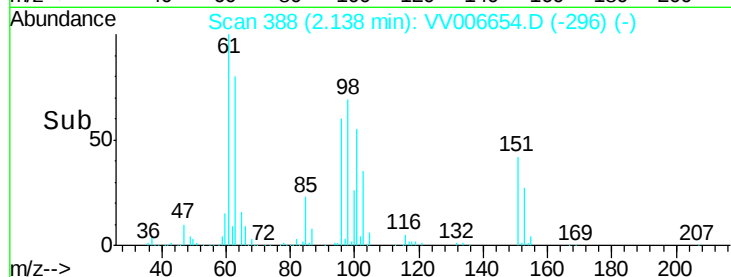
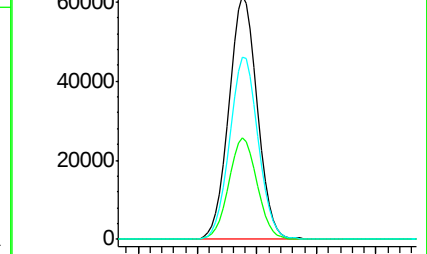
151 75.4 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VV006654.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006654.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006654.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 5.198 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

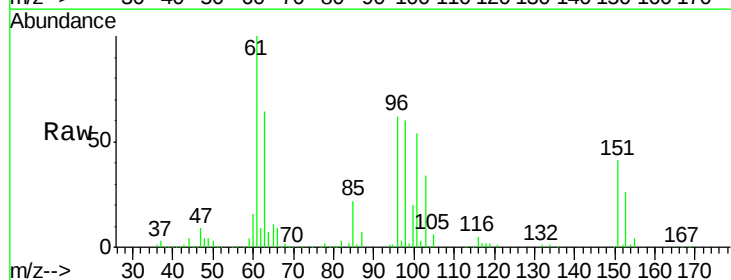
Tgt Ion: 96 Resp: 97080

Ion Ratio Lower Upper

96 100

61 161.0 115.1 213.8

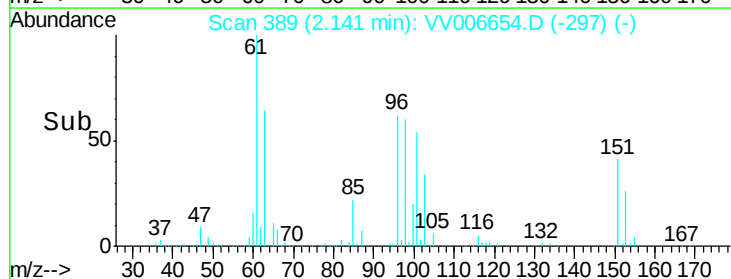
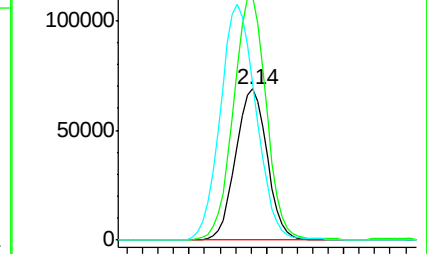
63 103.7 77.2 143.4

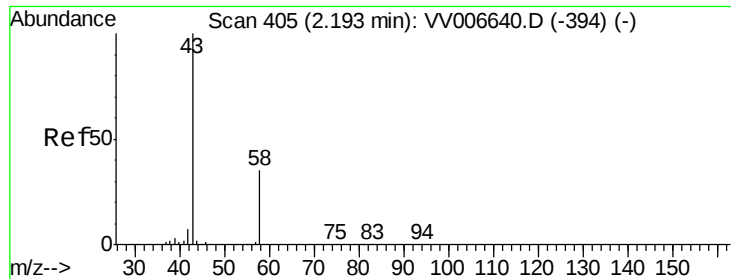


Abundance Ion 96.00 (95.70 to 96.70): VV006654.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006654.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006654.D (-297) (-)





#13

Acetone

Concen: 46.721 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

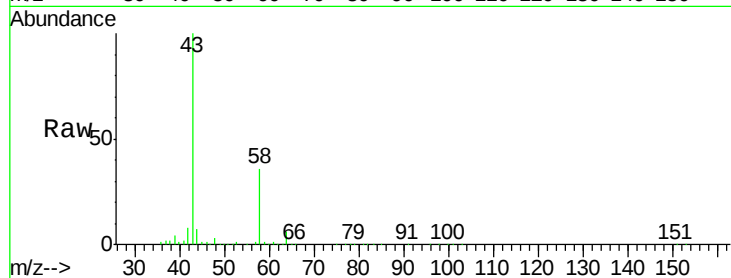
VSTD00570

Tgt Ion: 43 Resp: 137787

Ion Ratio Lower Upper

43 100

58 35.7 0.0 72.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

100000

80000

60000

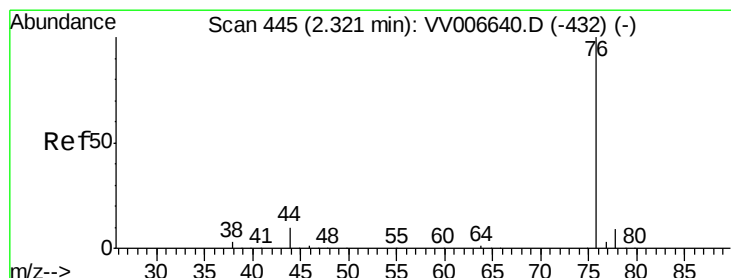
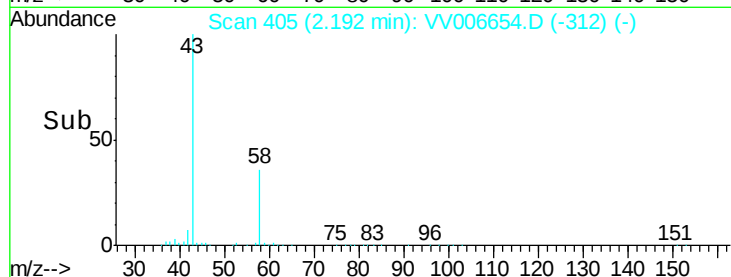
40000

20000

0

Time--> 2.10 2.15 2.20 2.25 2.30

2.19



#14

Carbon disulfide

Concen: 5.365 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006654.D

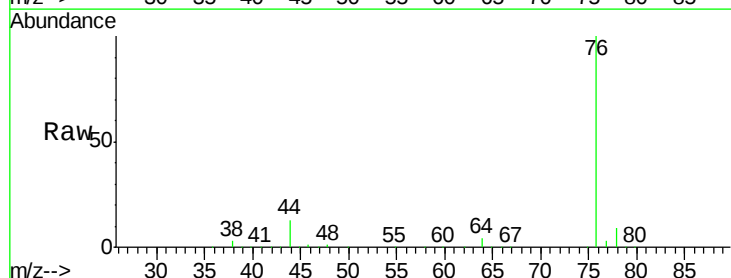
Acq: 19 Jul 2018 20:57

Tgt Ion: 76 Resp: 324979

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

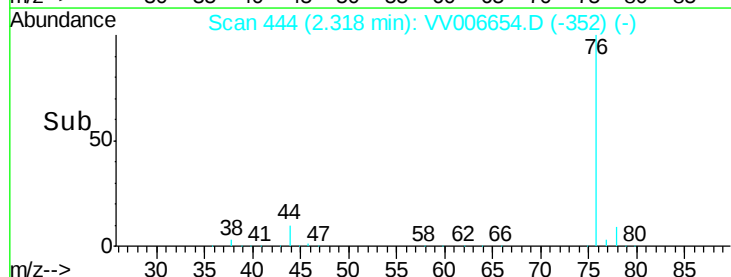
100000

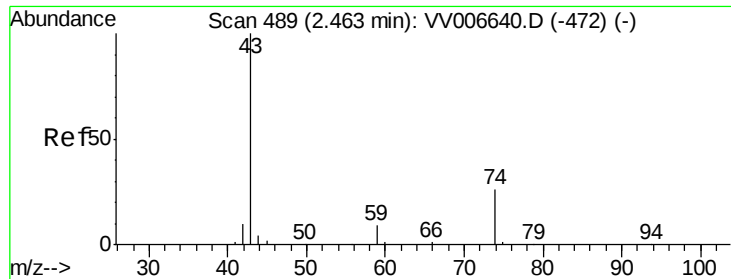
50000

0

Time--> 2.25 2.30 2.35 2.40

2.32





#15

Methyl Acetate

Concen: 4.867 ug/L

RT: 2.46 min Scan# 489

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

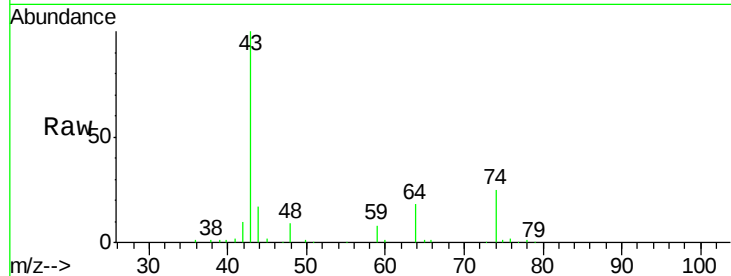
VSTD00570

Tgt Ion: 43 Resp: 42114

Ion Ratio Lower Upper

43 100

74 25.0 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VV006654.D (-396) (-)

Ion 74.05 (73.75 to 74.75): VV006654.D (-396) (-)

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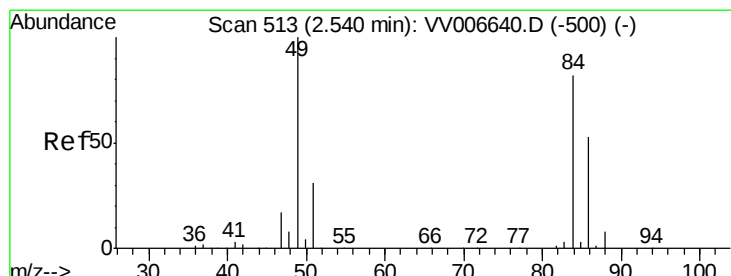
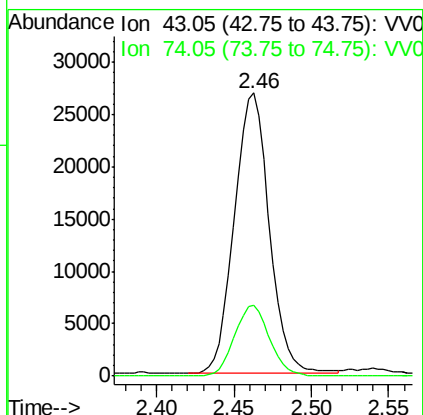
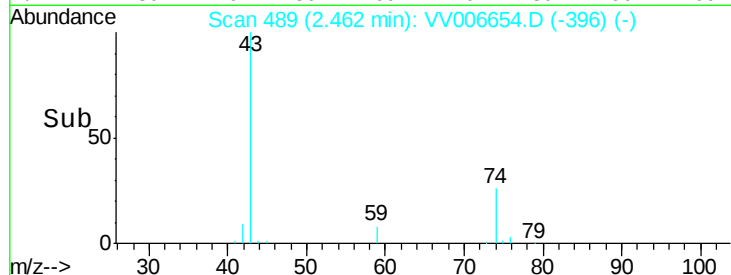
2.46

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2.46



#16

Methylene chloride

Concen: 4.506 ug/L

RT: 2.54 min Scan# 512

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

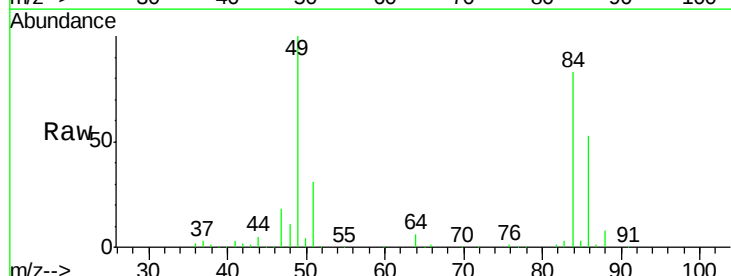
Tgt Ion: 84 Resp: 105870

Ion Ratio Lower Upper

84 100

86 64.2 45.4 84.2

49 120.1 85.1 158.1



Abundance Ion 84.05 (83.75 to 84.75): VV006654.D (-420) (-)

Ion 86.00 (85.70 to 86.70): VV006654.D (-420) (-)

Ion 49.10 (48.80 to 49.80): VV006654.D (-420) (-)

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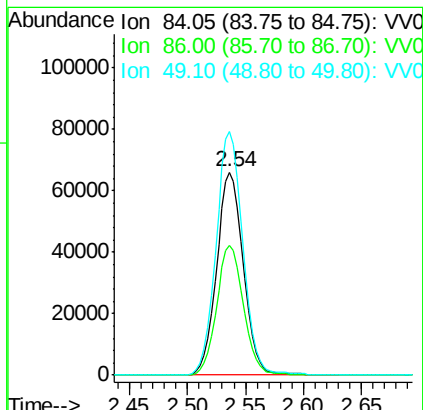
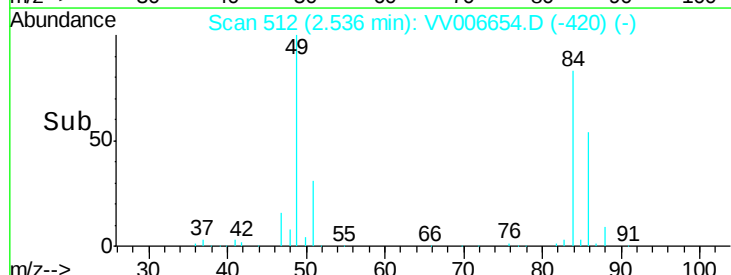
2.54

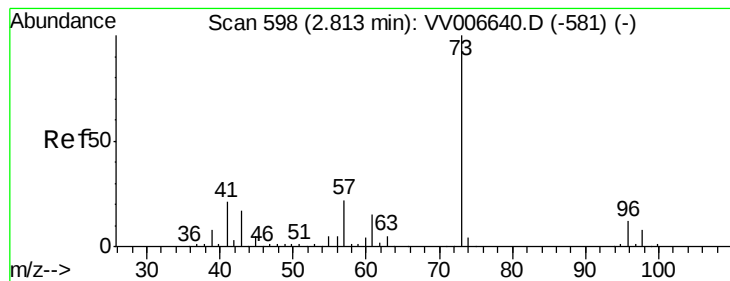
2.54

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2.54





#17

Methyl tert-butyl Ether

Concen: 4.999 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

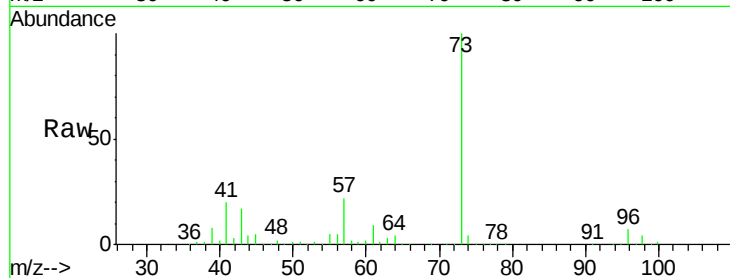
Tgt Ion: 73 Resp: 230501

Ion Ratio Lower Upper

73 100

43 17.2 13.9 20.9

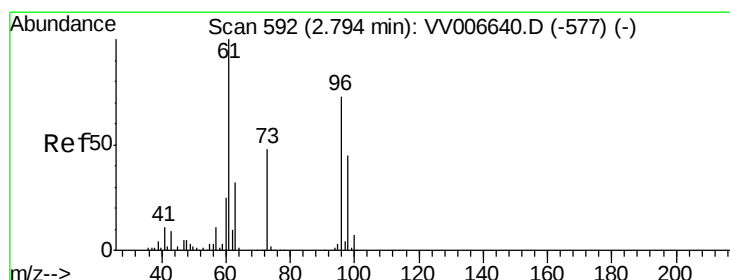
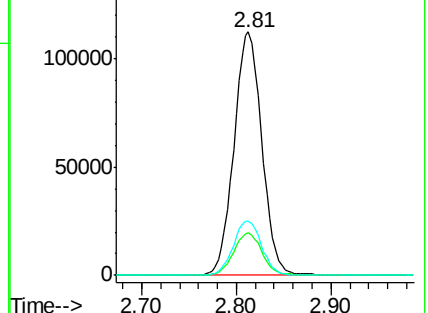
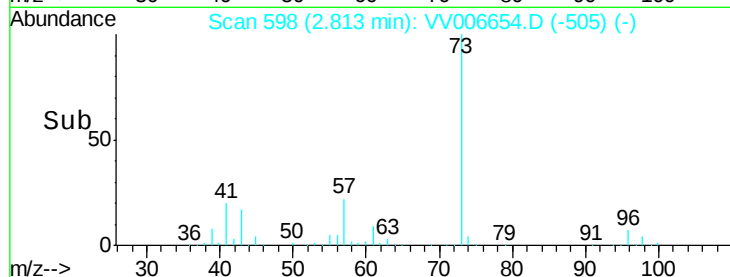
57 22.7 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV006654.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006654.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006654.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.132 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

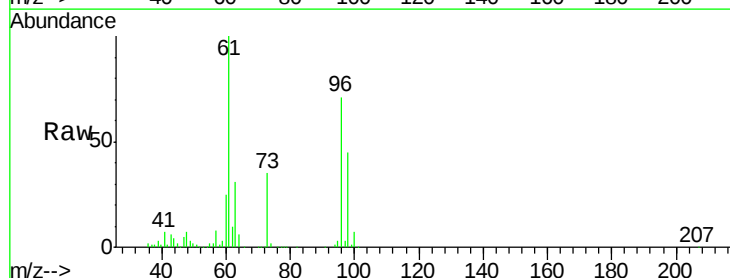
Tgt Ion: 96 Resp: 105647

Ion Ratio Lower Upper

96 100

61 140.0 96.0 178.4

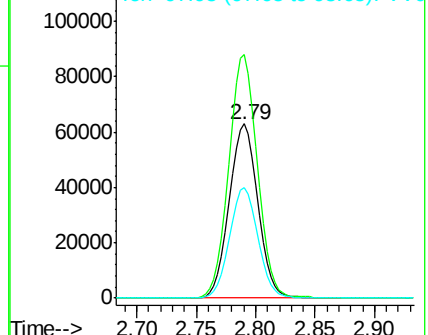
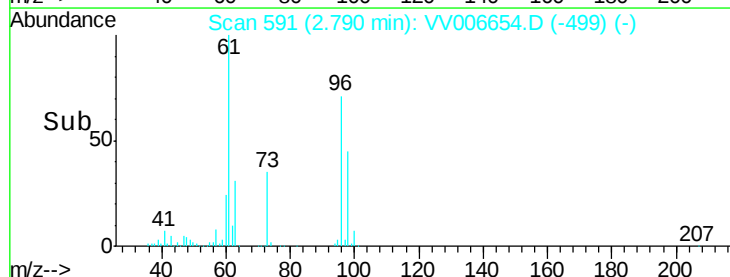
98 63.7 43.5 80.9

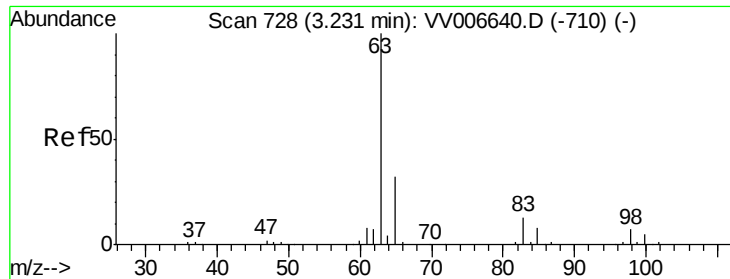


Abundance Ion 96.00 (95.70 to 96.70): VV006654.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006654.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006654.D (-499) (-)

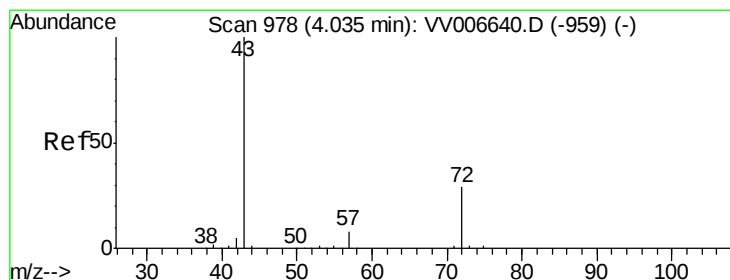
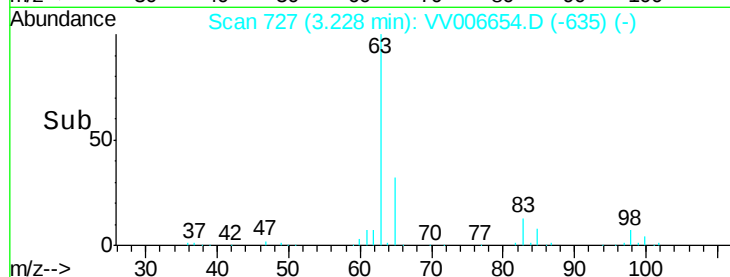
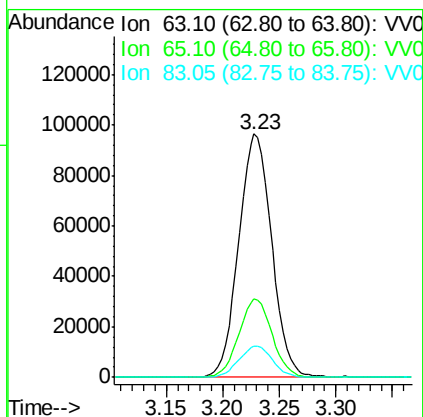
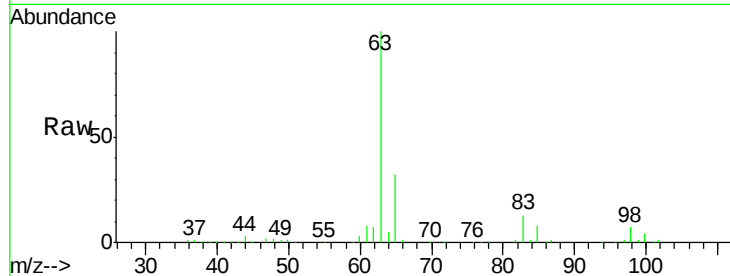




#19
 1,1-Dichloroethane
 Concen: 5.401 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

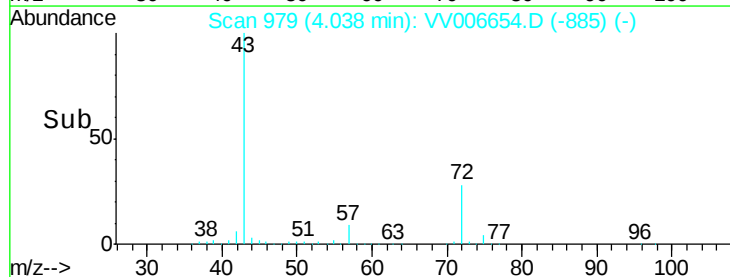
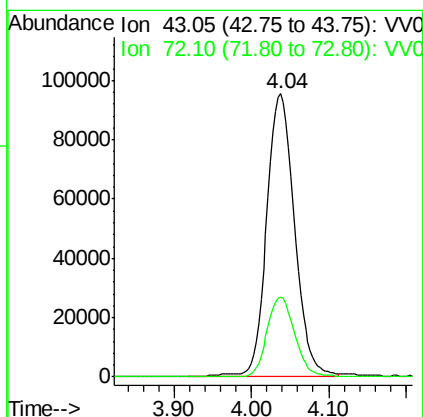
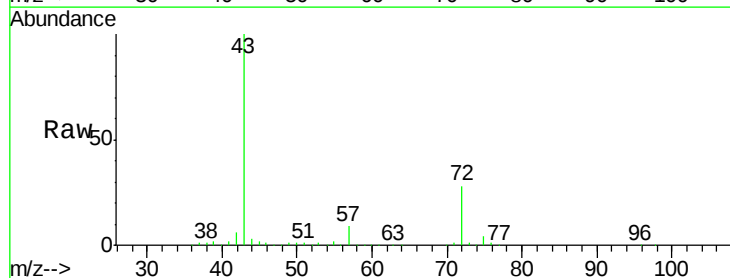
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

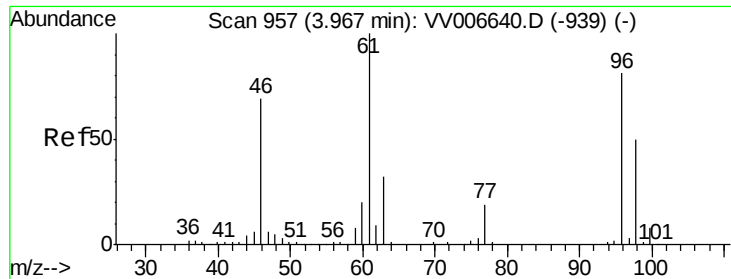
Tgt Ion: 63 Resp: 196302
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.1 41.1
 83 12.7 9.2 17.0



#21
 2-Butanone
 Concen: 48.477 ug/L
 RT: 4.04 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

Tgt Ion: 43 Resp: 239455
 Ion Ratio Lower Upper
 43 100
 72 27.7 13.9 41.6



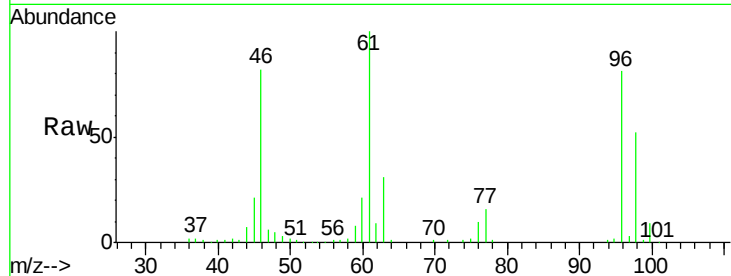


#22

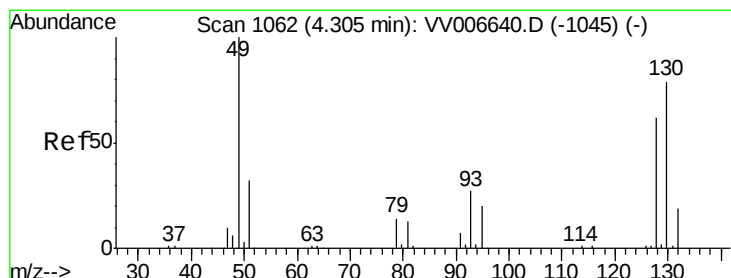
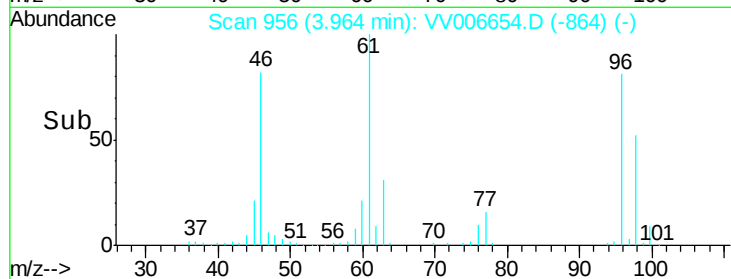
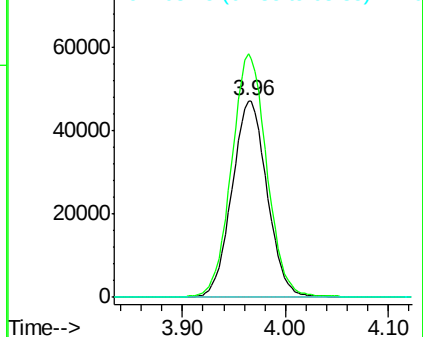
cis-1,2-Dichloroethene
Concen: 5.182 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV006654.D
Acq: 19 Jul 2018 20:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

Tgt Ion: 96 Resp: 111703
Ion Ratio Lower Upper
96 100
61 123.8 86.2 160.0
68 0.0 0.0 0.0



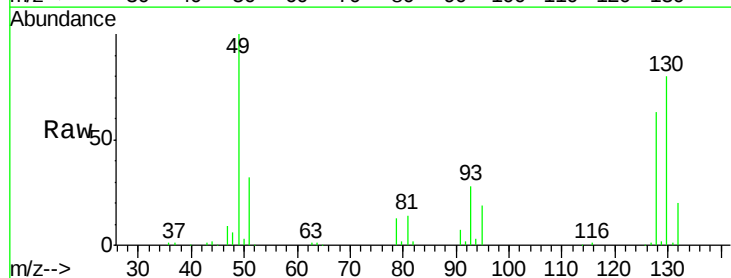
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



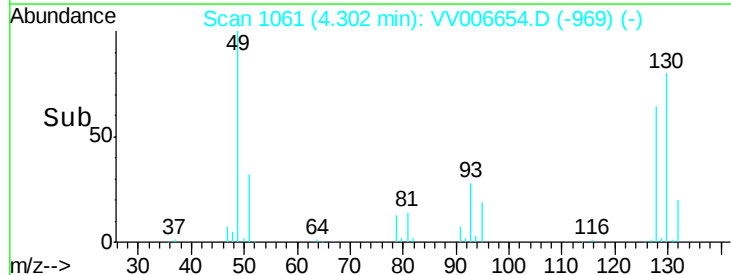
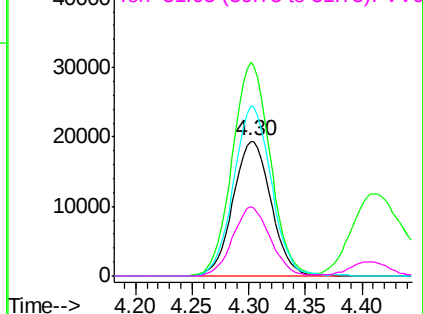
#23

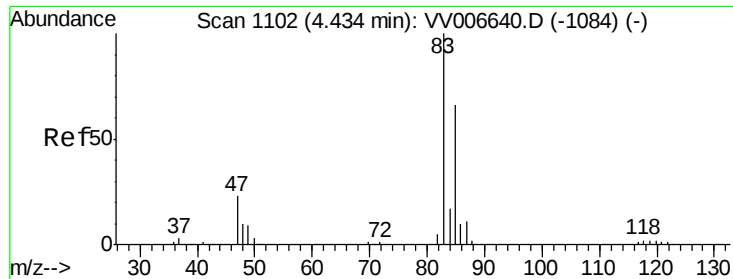
Bromochloromethane
Concen: 5.181 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV006654.D
Acq: 19 Jul 2018 20:57

Tgt Ion: 128 Resp: 45463
Ion Ratio Lower Upper
128 100
49 158.2 113.0 209.8
130 126.2 89.3 165.9
51 51.1 40.9 61.3



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

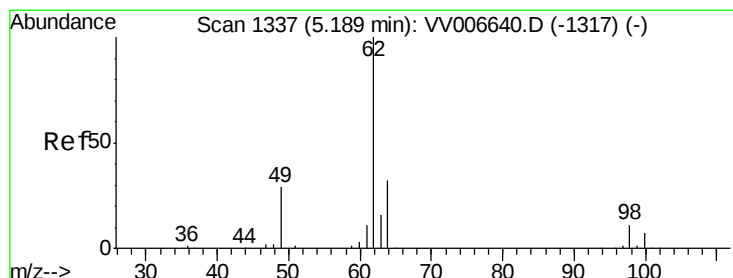
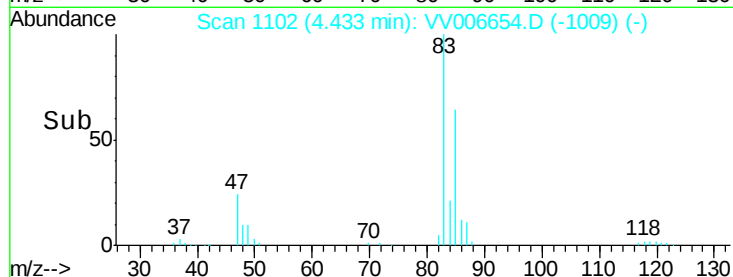
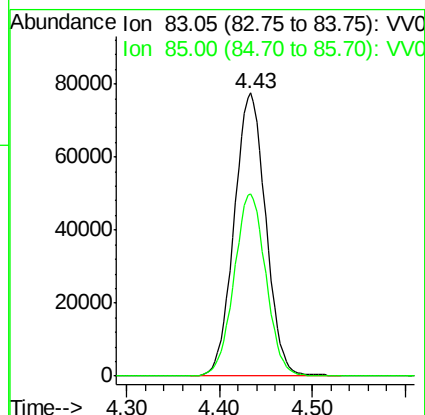
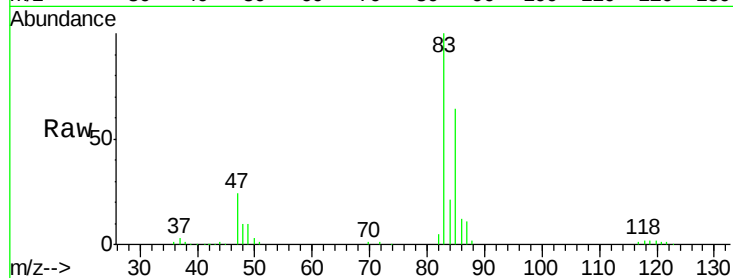




#25
Chloroform
Concen: 5.240 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006654.D
Acq: 19 Jul 2018 20:57

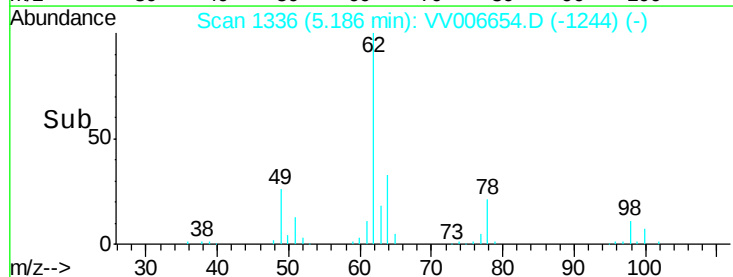
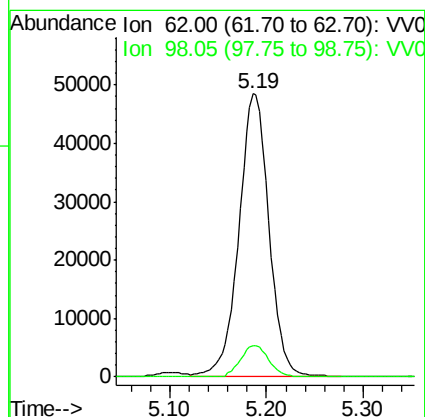
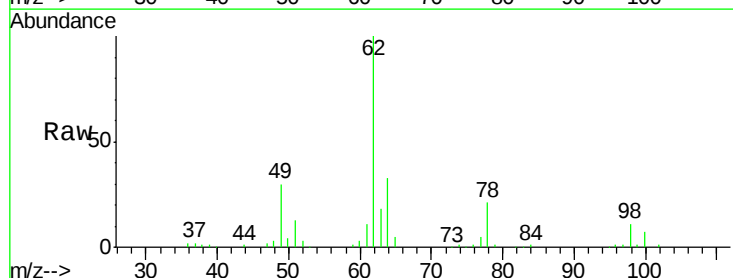
Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

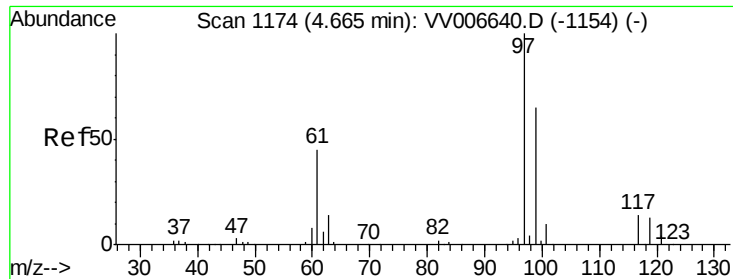
Tgt Ion: 83 Resp: 183511
Ion Ratio Lower Upper
83 100
85 64.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.127 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006654.D
Acq: 19 Jul 2018 20:57

Tgt Ion: 62 Resp: 104918
Ion Ratio Lower Upper
62 100
98 11.0 8.4 12.6

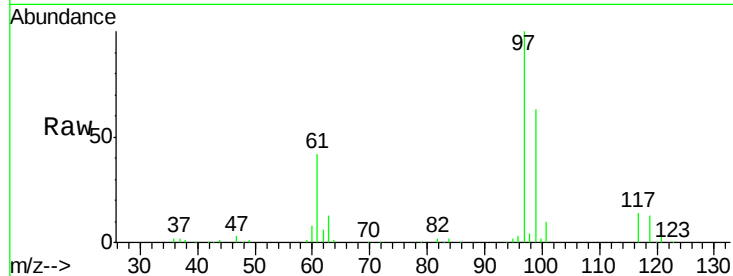




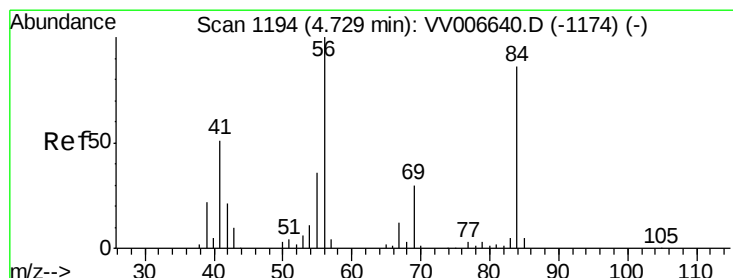
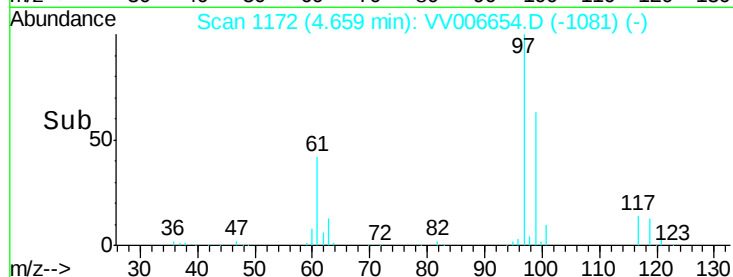
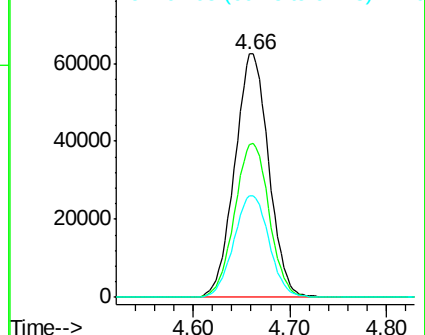
#29
 1,1,1-Trichloroethane
 Concen: 5.276 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

Tgt Ion: 97 Resp: 152512
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.5 77.3
 61 43.3 35.4 53.2

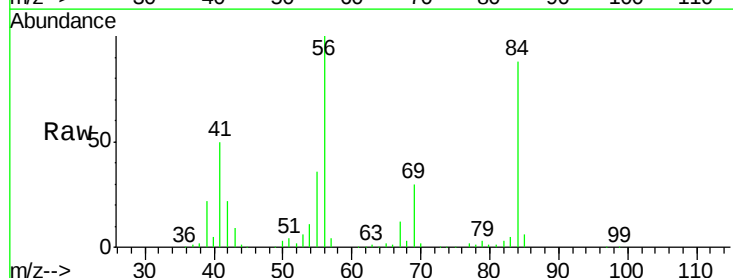


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

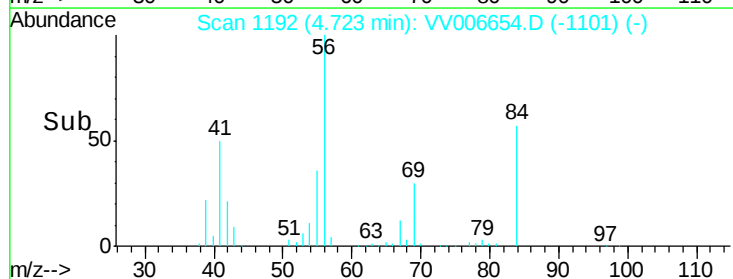
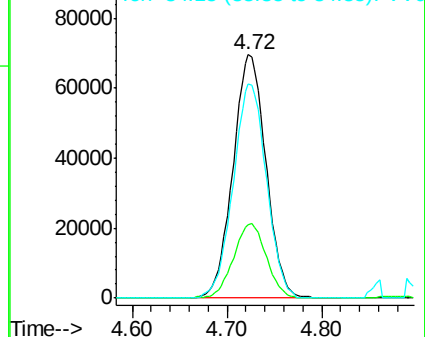


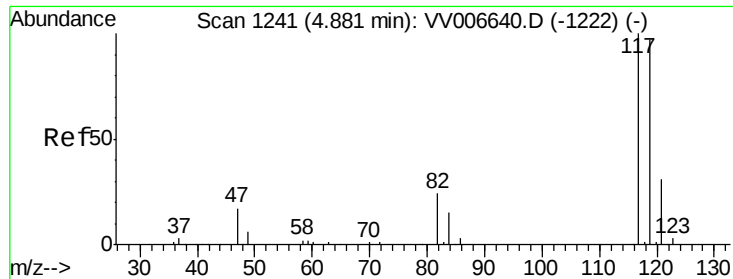
#30
 Cyclohexane
 Concen: 5.222 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

Tgt Ion: 56 Resp: 168760
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.0 36.0
 84 88.6 71.0 106.6



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: 5.099 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

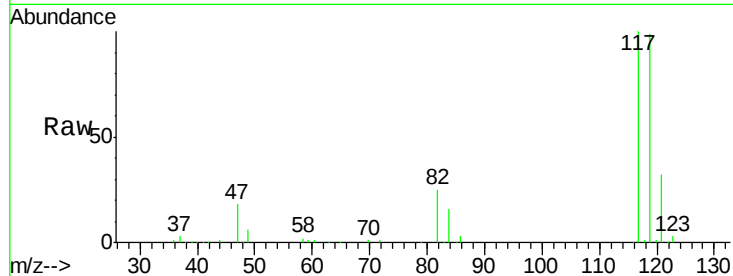
VSTD00570

Tgt Ion:117 Resp: 126081

Ion Ratio Lower Upper

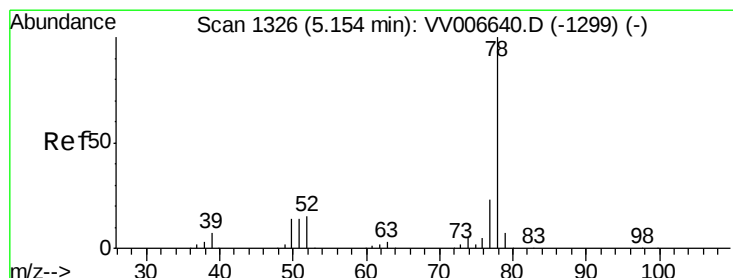
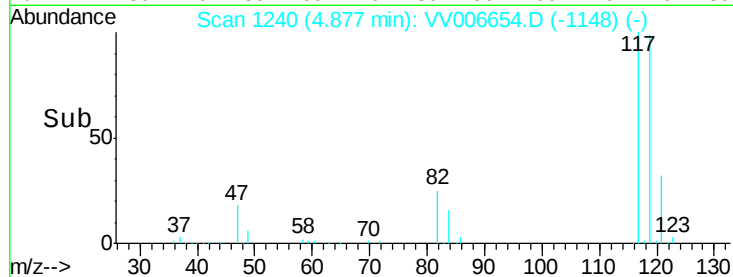
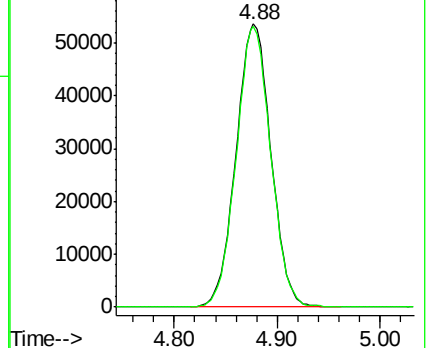
117 100

119 97.8 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.245 ug/L

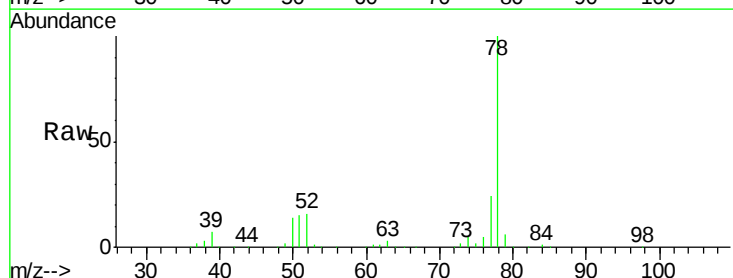
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

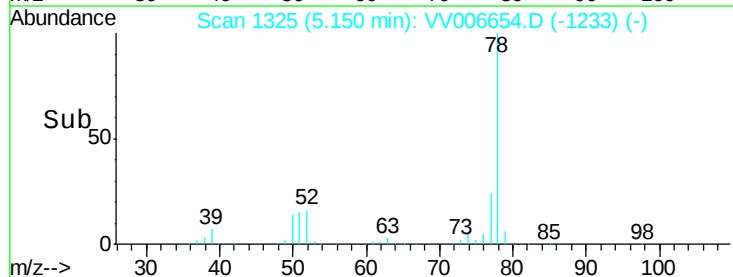
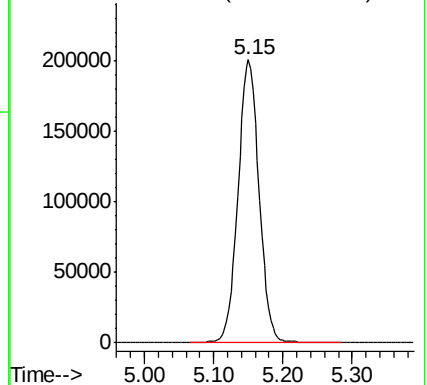
Lab File: VV006654.D

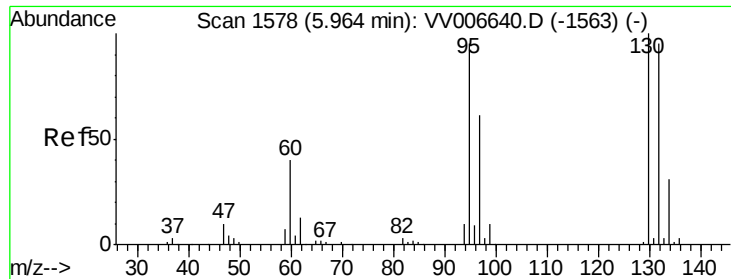
Acq: 19 Jul 2018 20:57

Tgt Ion: 78 Resp: 426669



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.096 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

Tgt Ion: 95 Resp: 104903

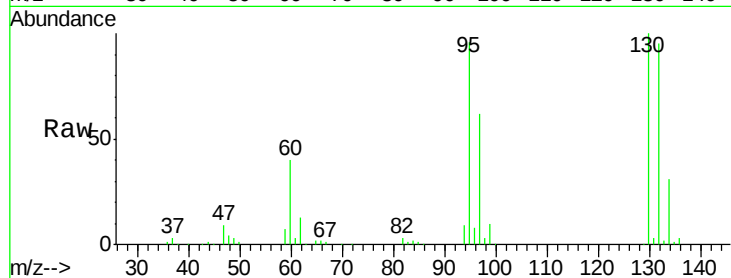
Ion Ratio Lower Upper

95 100

97 64.6 45.3 84.1

132 99.1 70.3 130.7

130 104.3 73.7 136.9

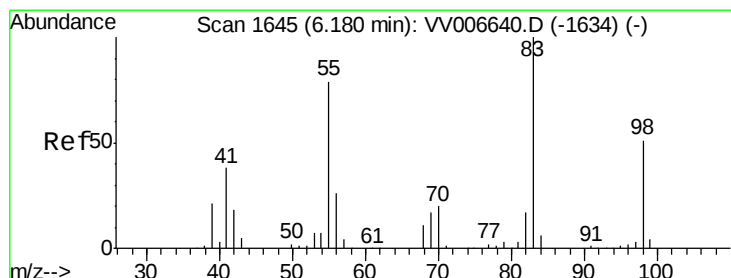
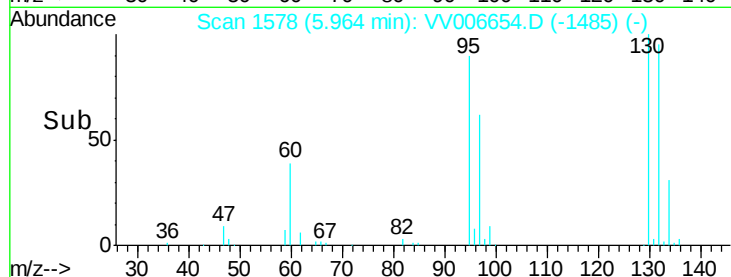
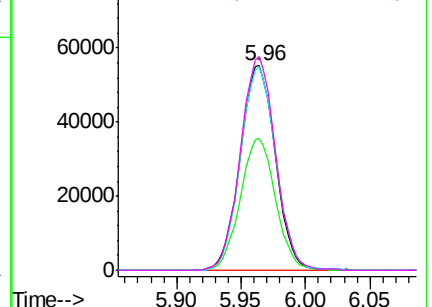


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.237 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

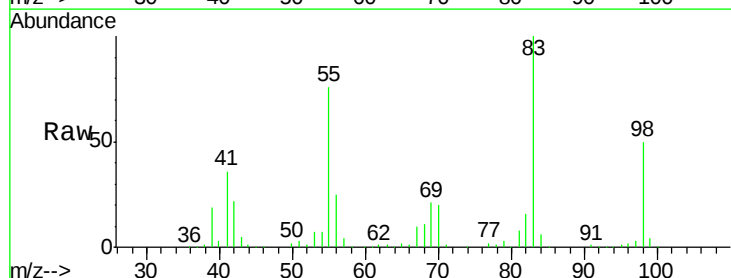
Tgt Ion: 83 Resp: 179914

Ion Ratio Lower Upper

83 100

55 75.9 61.3 91.9

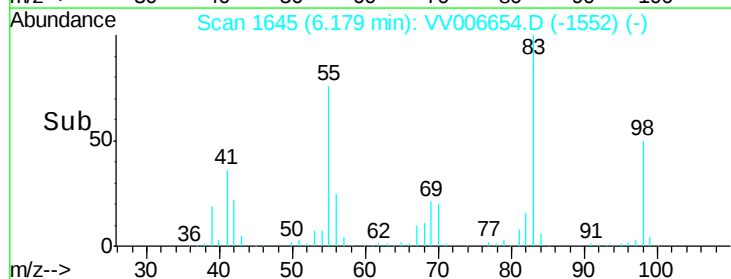
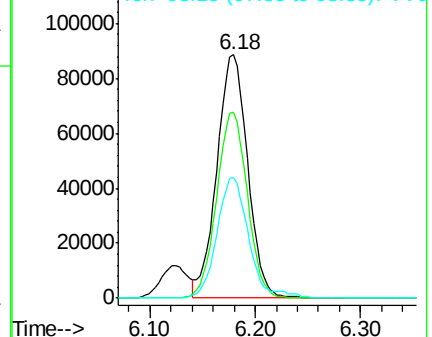
98 50.7 39.4 59.0

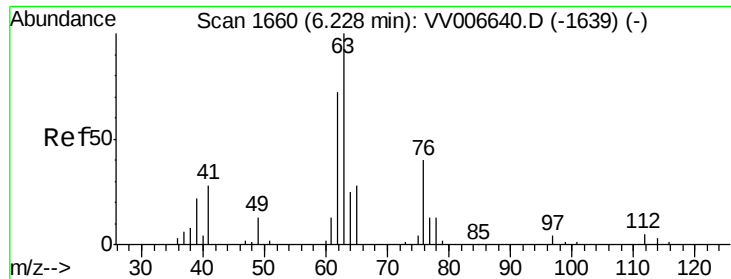


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

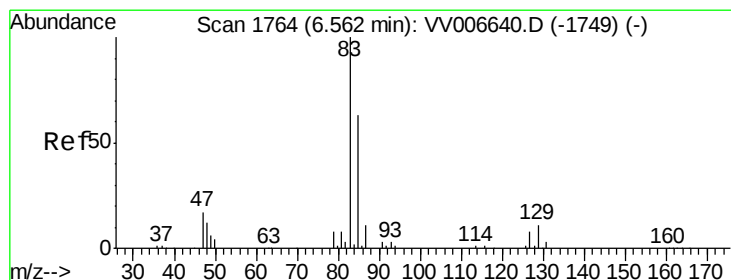
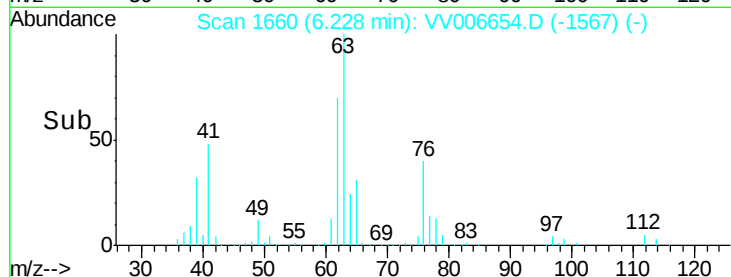
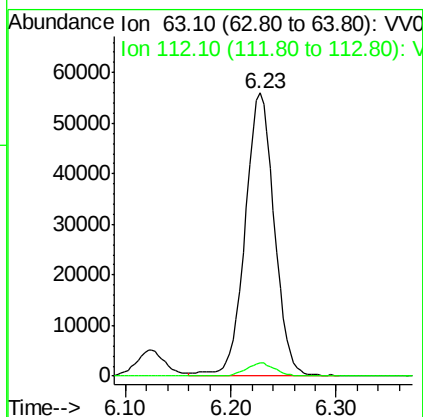
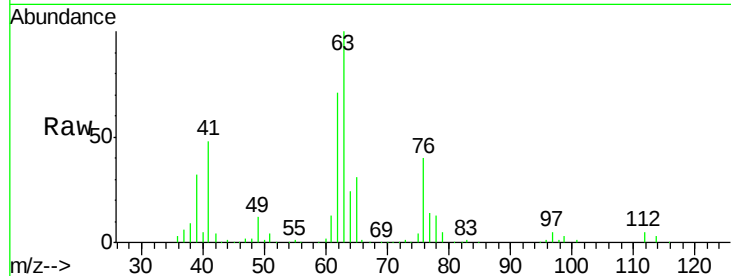




#37
 1,2-Dichloropropane
 Concen: 5.210 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

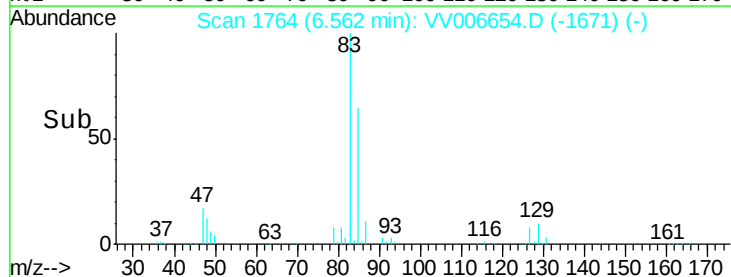
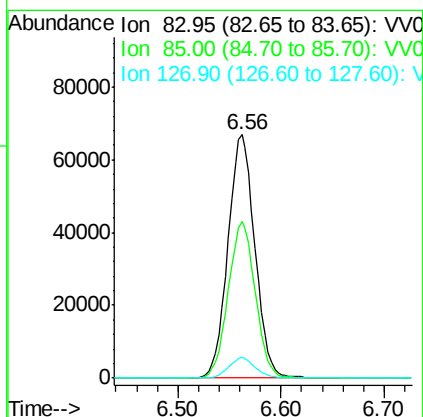
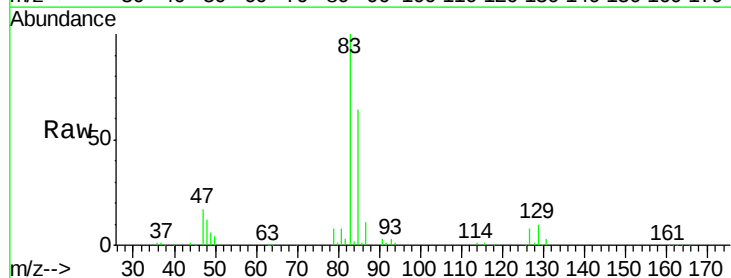
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

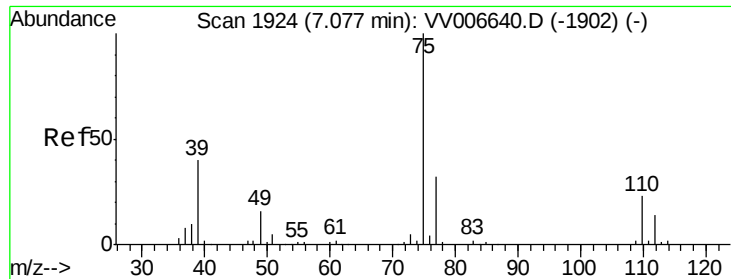
Tgt Ion: 63 Resp: 108134
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.273 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

Tgt Ion: 83 Resp: 121560
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.3 82.3
 127 8.4 6.5 9.7

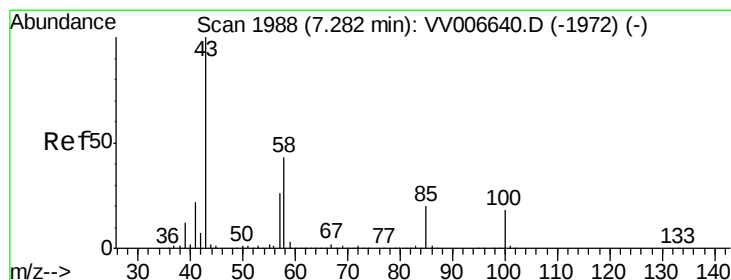
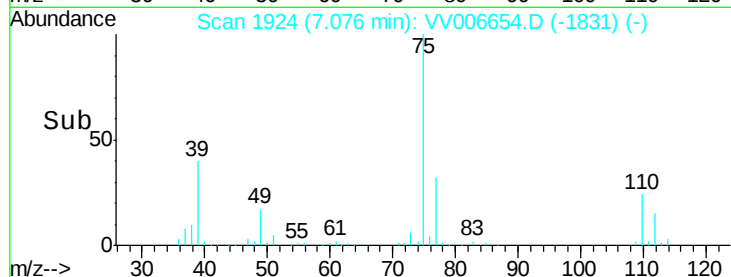
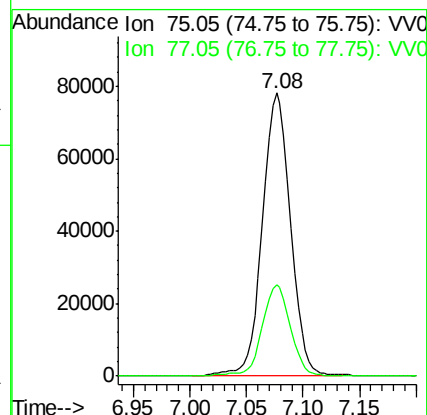
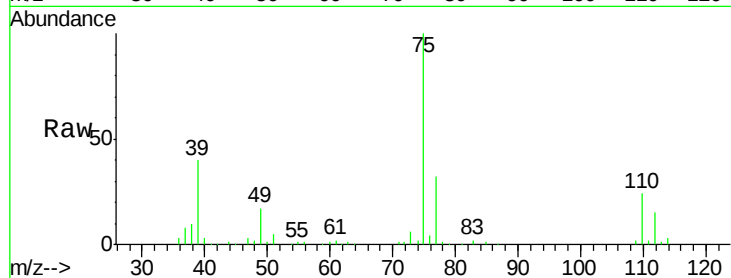




#39
 cis-1,3-Dichloropropene
 Concen: 4.963 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

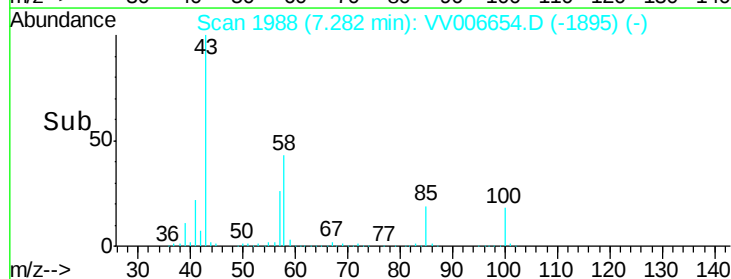
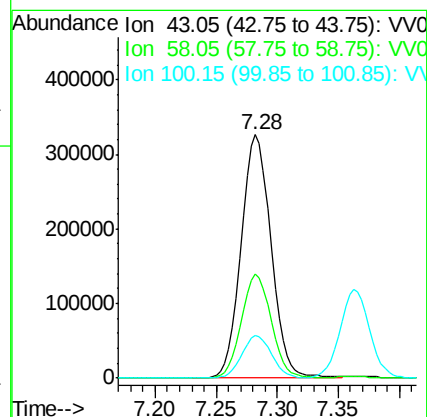
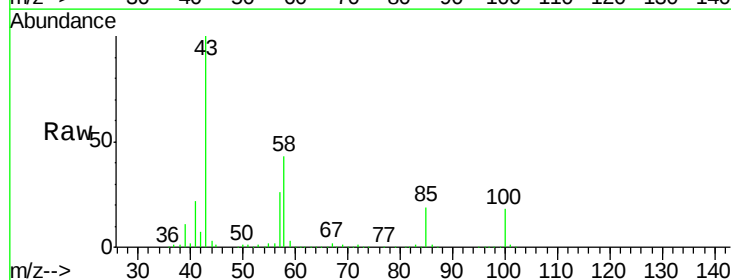
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

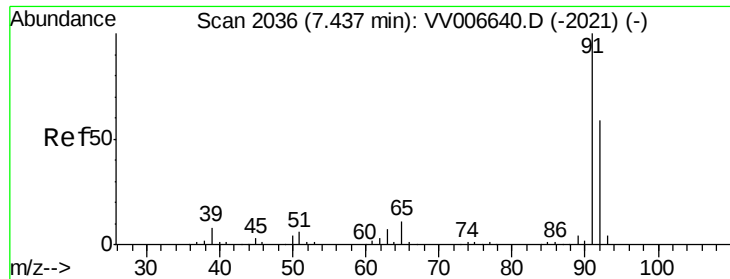
Tgt Ion: 75 Resp: 135448
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 49.550 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

Tgt Ion: 43 Resp: 555926
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.6 50.4
 100 17.2 13.8 20.8





#42

Toluene

Concen: 5.276 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

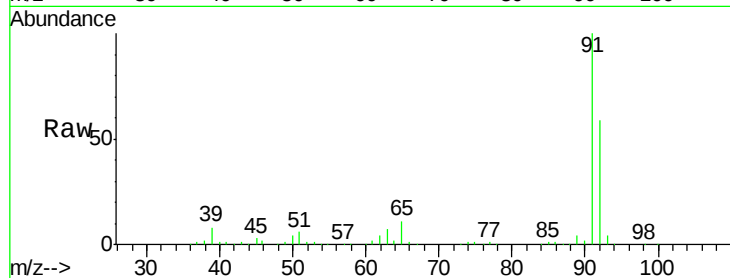
VSTD00570

Tgt Ion: 91 Resp: 443621

Ion Ratio Lower Upper

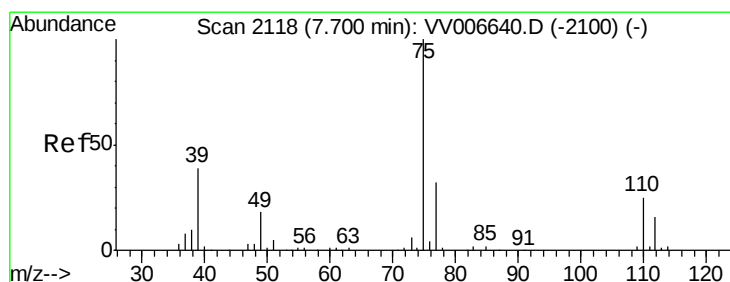
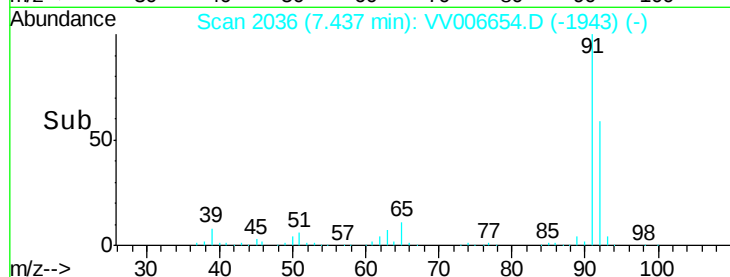
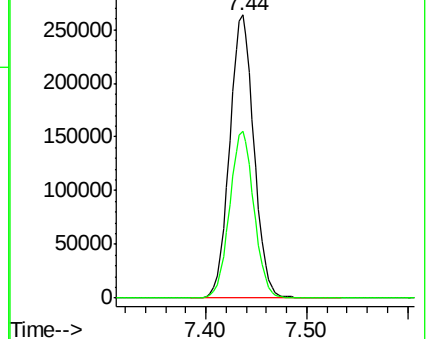
91 100

92 59.0 41.4 76.8



Abundance Ion 91.15 (90.85 to 91.85): VV006654.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006654.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.860 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006654.D

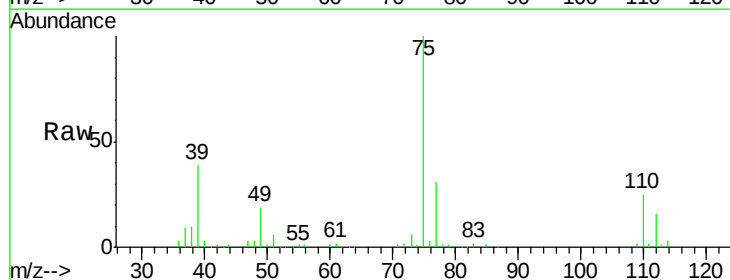
Acq: 19 Jul 2018 20:57

Tgt Ion: 75 Resp: 103129

Ion Ratio Lower Upper

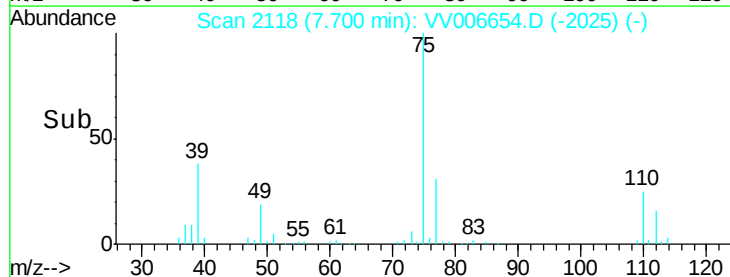
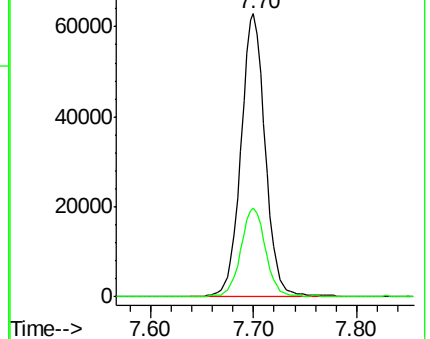
75 100

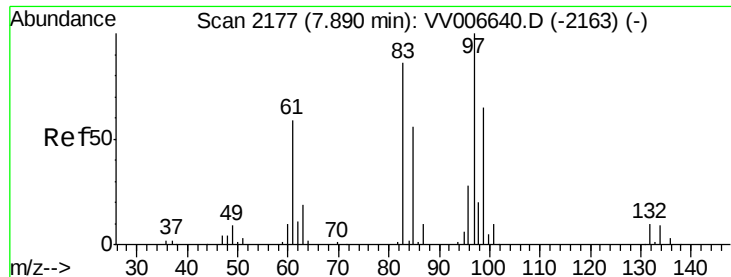
77 31.3 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV006654.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006654.D (-2025) (-)





#45

1,1,2-Trichloroethane

Concen: 5.078 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

Tgt Ion: 97 Resp: 70904

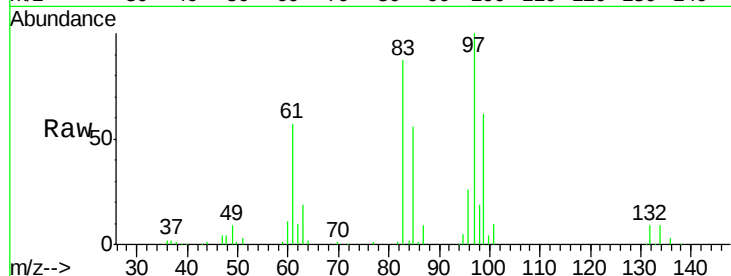
Ion Ratio Lower Upper

97 100

99 62.4 45.2 84.0

83 86.6 60.5 112.3

85 55.6 39.0 72.4

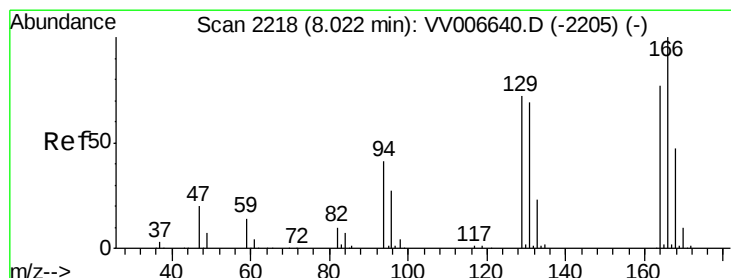
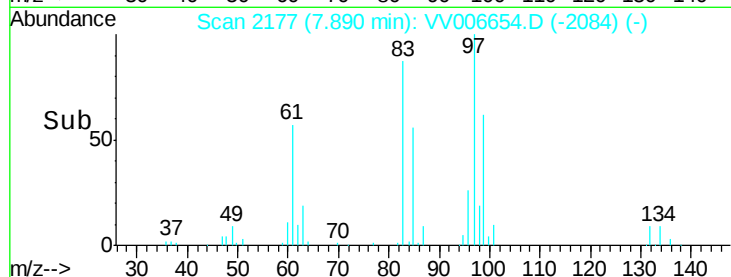
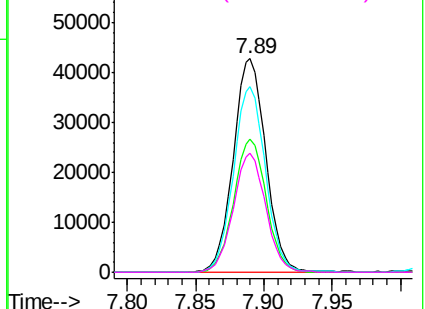


Abundance Ion 96.95 (96.65 to 97.65): VV006654.D (-2163) (-)

Ion 99.05 (98.75 to 99.75): VV006654.D (-2163) (-)

Ion 82.95 (82.65 to 83.65): VV006654.D (-2163) (-)

Ion 85.00 (84.70 to 85.70): VV006654.D (-2163) (-)



#47

Tetrachloroethene

Concen: 5.218 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Tgt Ion: 164 Resp: 86268

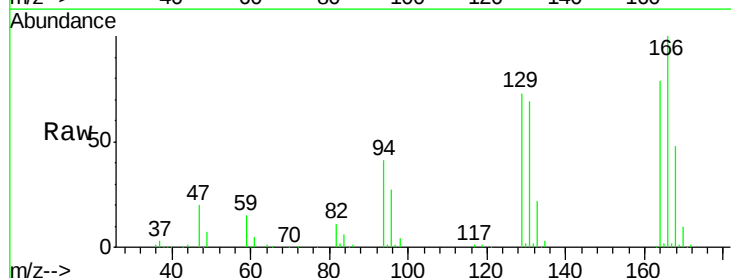
Ion Ratio Lower Upper

164 100

129 91.9 65.9 122.5

131 87.7 62.9 116.7

166 126.4 91.4 169.8

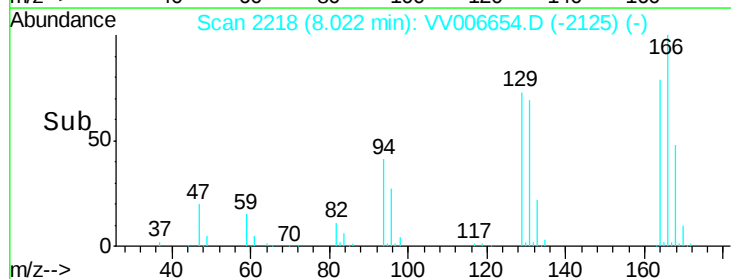
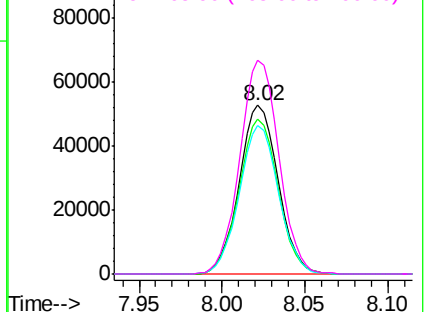


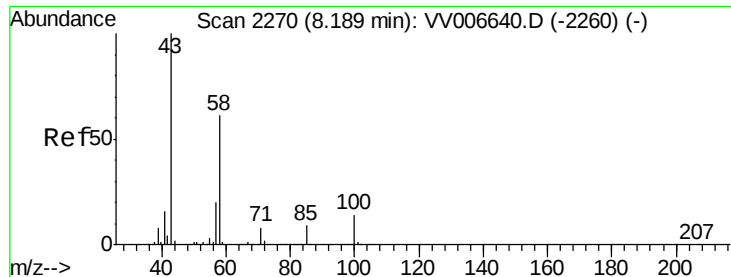
Abundance Ion 163.90 (163.60 to 164.60): VV006654.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VV006654.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VV006654.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VV006654.D (-2205) (-)

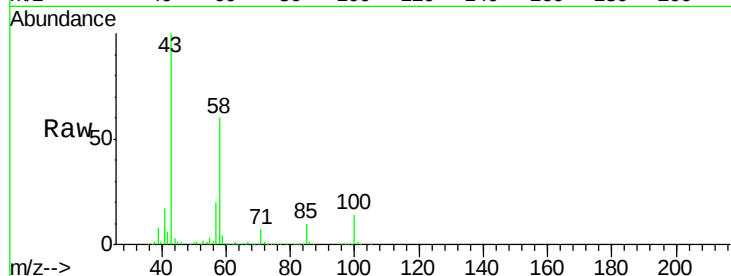




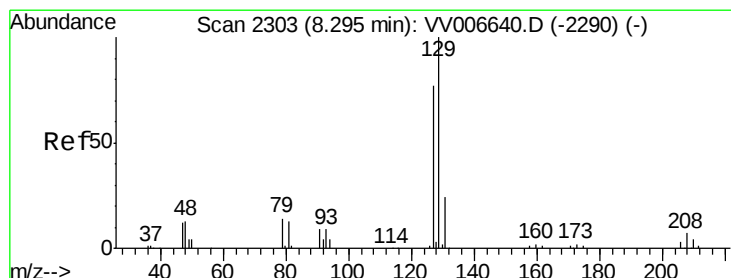
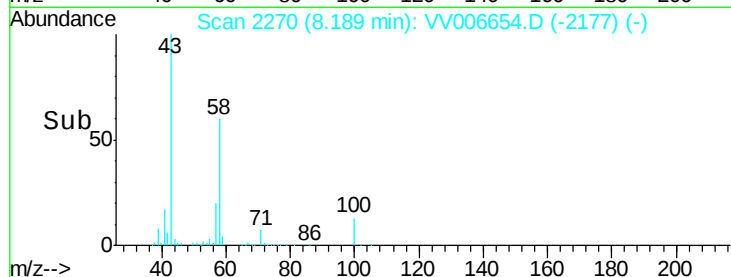
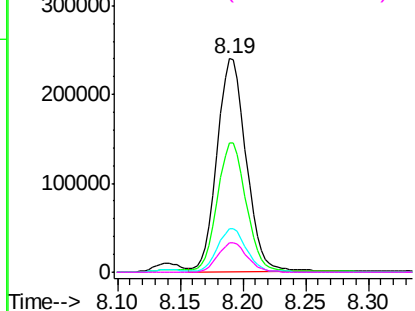
#48
2-Hexanone
Concen: 49.174 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV006654.D
Acq: 19 Jul 2018 20:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

Tgt Ion:	43	Resp:	385671
Ion	Ratio	Lower	Upper
43	100		
58	61.1	48.2	72.2
57	20.4	16.2	24.4
100	14.1	11.0	16.4

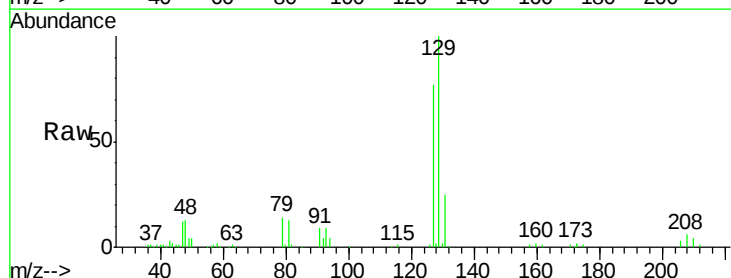


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

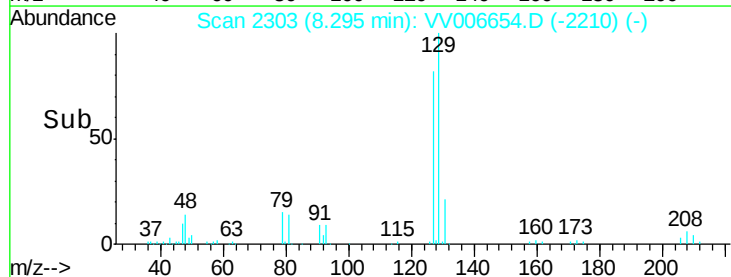
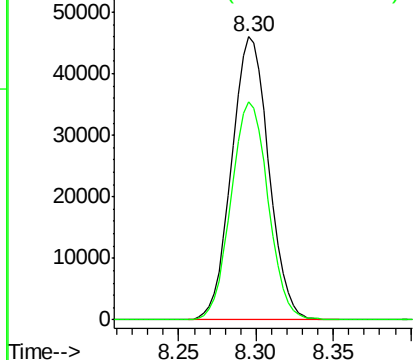


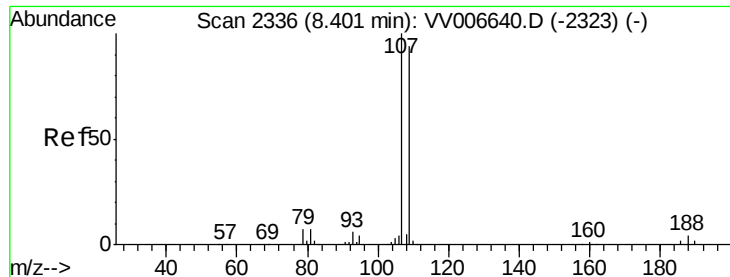
#49
Dibromochloromethane
Concen: 5.179 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006654.D
Acq: 19 Jul 2018 20:57

Tgt Ion:	129	Resp:	76618
Ion	Ratio	Lower	Upper
129	100		
127	77.2	53.6	99.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

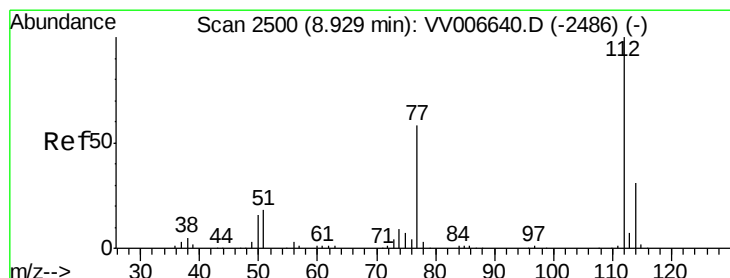
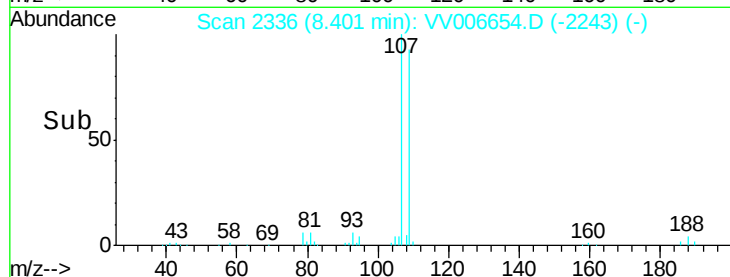
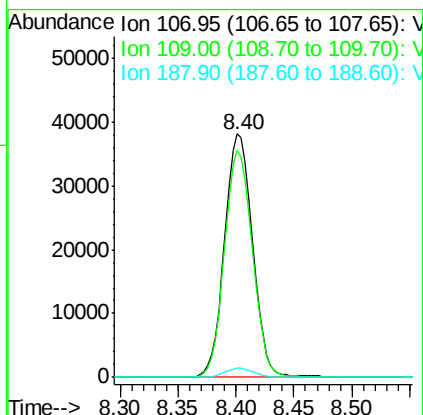
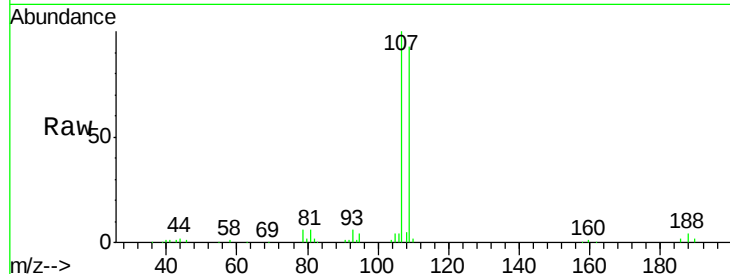




#50
1,2-Dibromoethane
Concen: 5.067 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006654.D
Acq: 19 Jul 2018 20:57

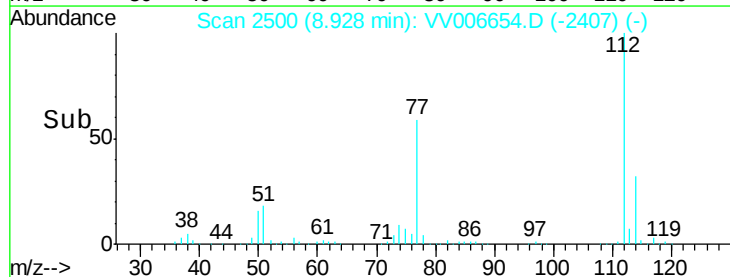
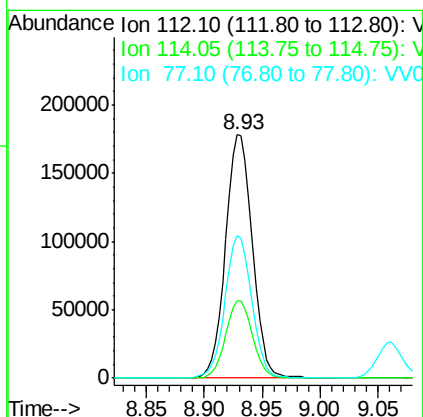
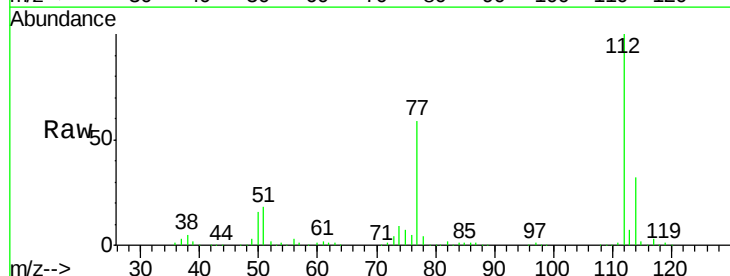
Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

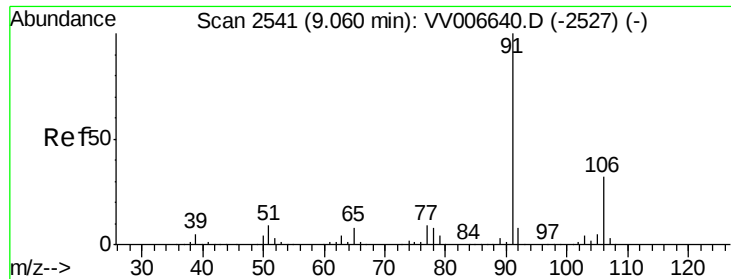
Tgt Ion:107 Resp: 63590
Ion Ratio Lower Upper
107 100
109 93.2 66.0 122.6
188 3.6 3.1 4.7



#51
Chlorobenzene
Concen: 5.230 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006654.D
Acq: 19 Jul 2018 20:57

Tgt Ion:112 Resp: 285783
Ion Ratio Lower Upper
112 100
114 31.8 21.8 40.4
77 58.6 46.6 69.8





#52

Ethylbenzene

Concen: 5.347 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

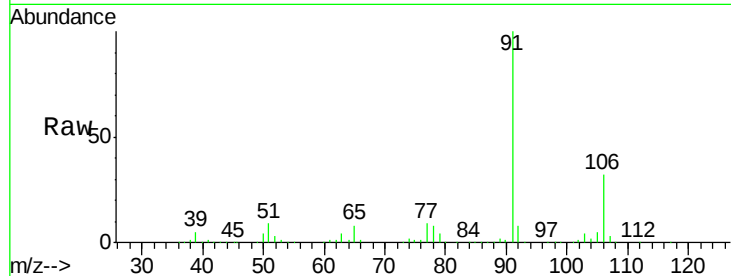
VSTD00570

Tgt Ion: 91 Resp: 482724

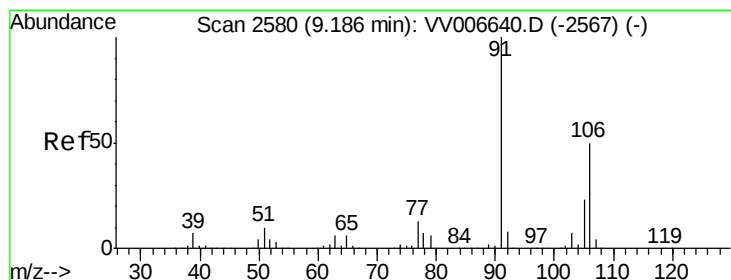
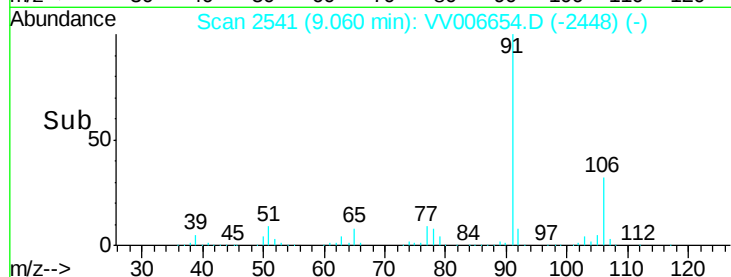
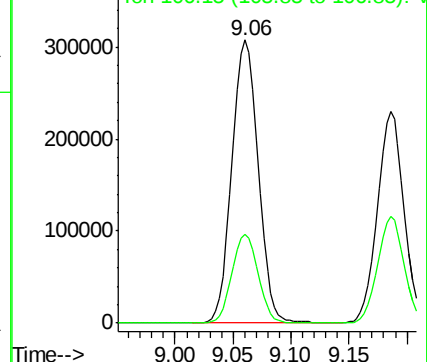
Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



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



#53

m,p-xylene

Concen: 5.433 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006654.D

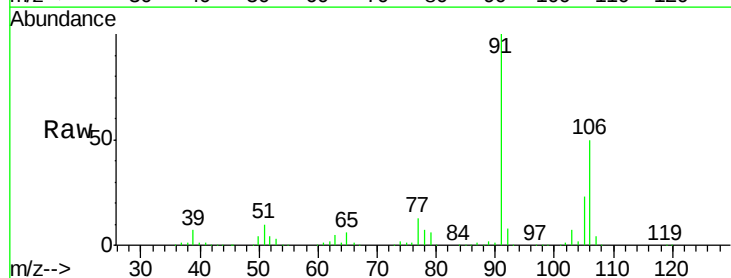
Acq: 19 Jul 2018 20:57

Tgt Ion: 106 Resp: 186482

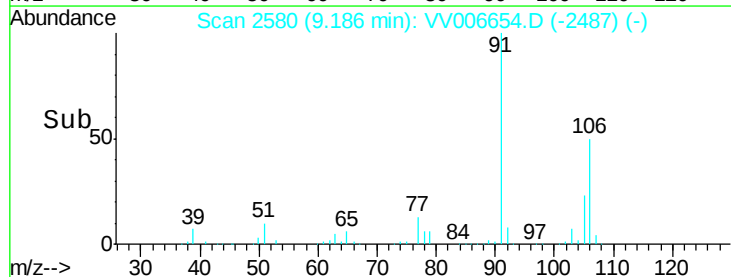
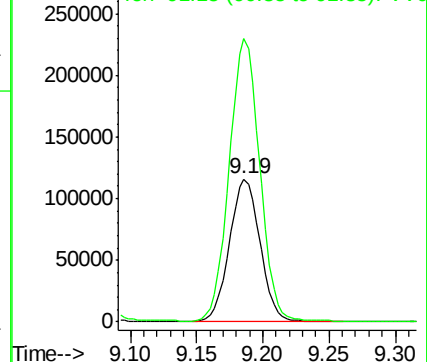
Ion Ratio Lower Upper

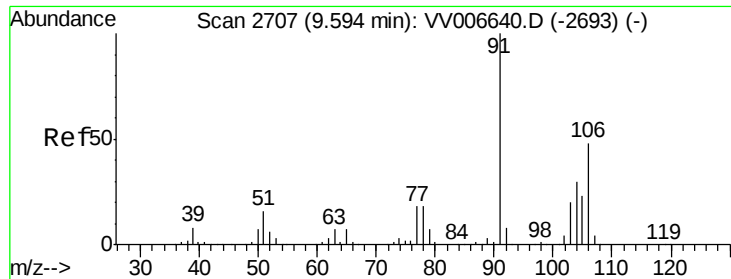
106 100

91 198.4 140.3 260.5



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





#54

o-xylene

Concen: 5.375 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

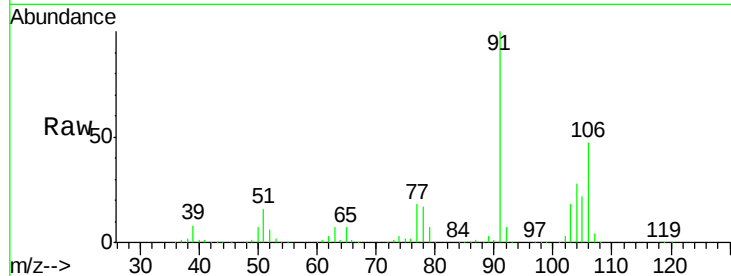
VSTD00570

Tgt Ion:106 Resp: 180005

Ion Ratio Lower Upper

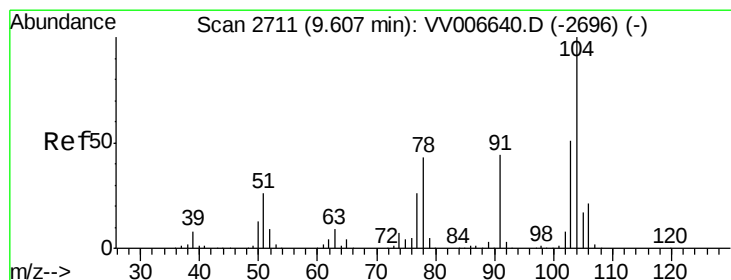
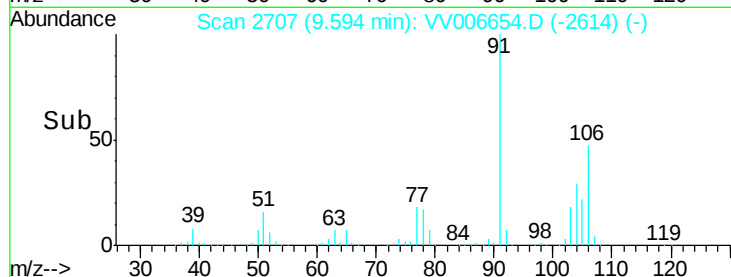
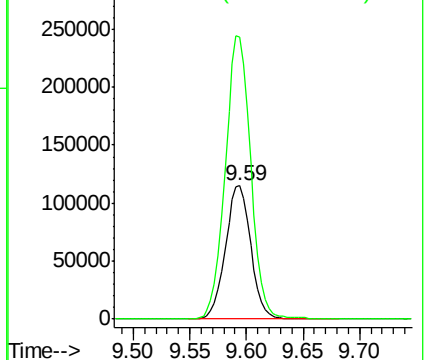
106 100

91 211.9 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.499 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006654.D

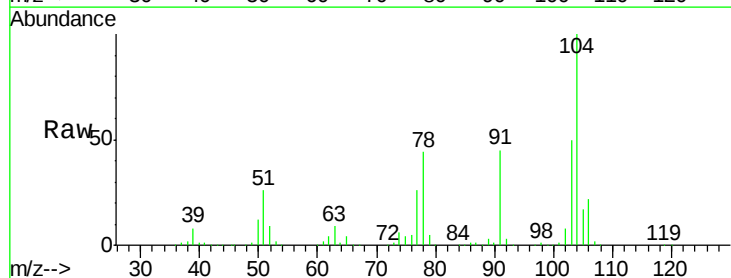
Acq: 19 Jul 2018 20:57

Tgt Ion:104 Resp: 308284

Ion Ratio Lower Upper

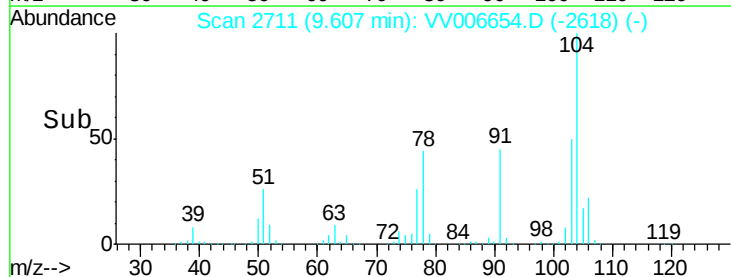
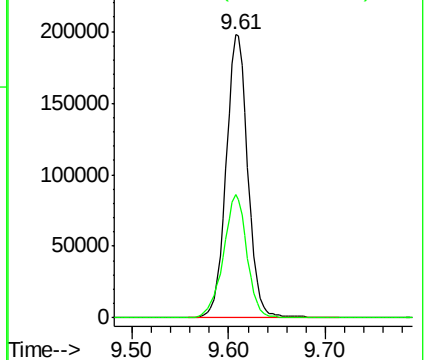
104 100

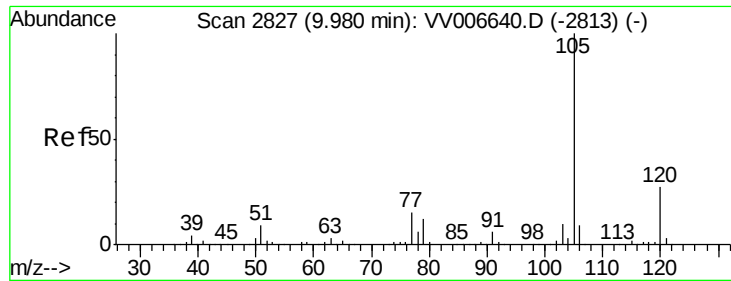
78 43.6 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.373 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

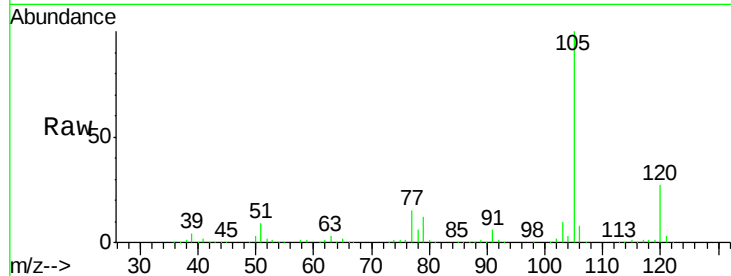
Tgt Ion: 105 Resp: 472045

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

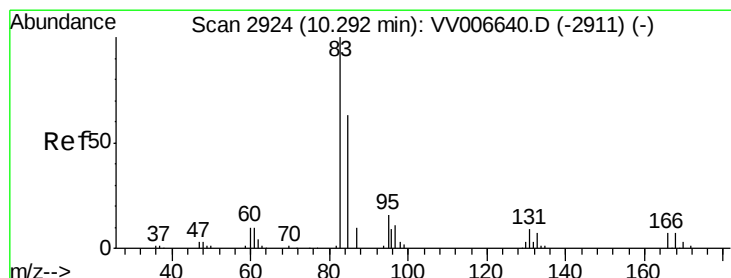
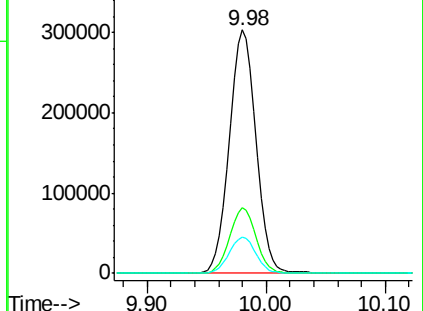
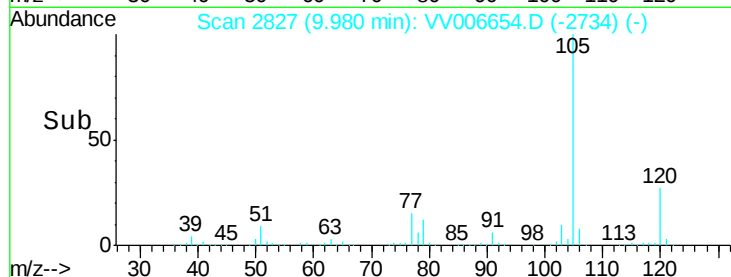
77 15.0 11.9 17.9



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: 5.194 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

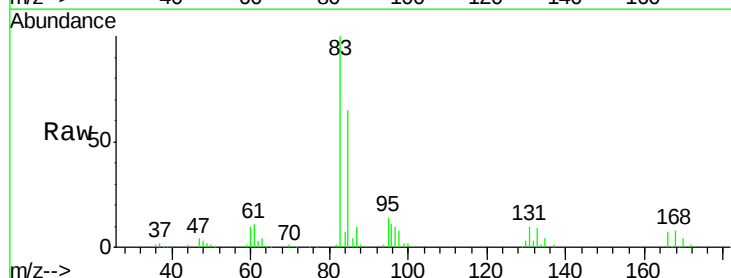
Tgt Ion: 83 Resp: 86980

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.5

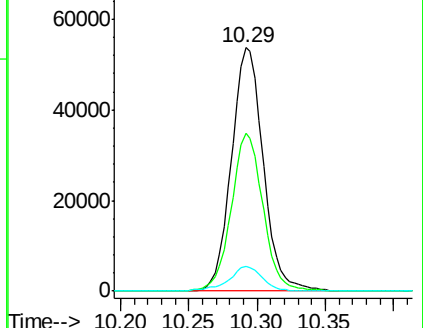
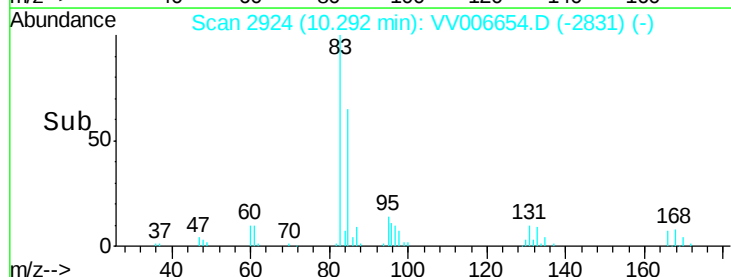
131 10.3 7.4 11.2

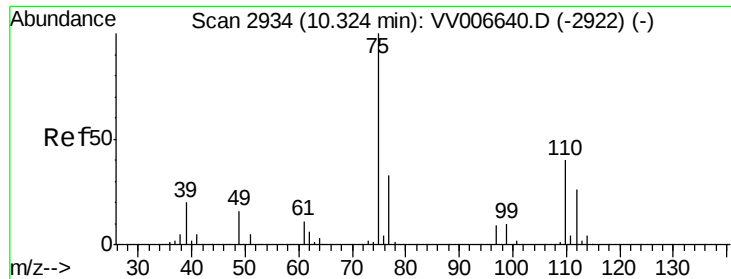


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

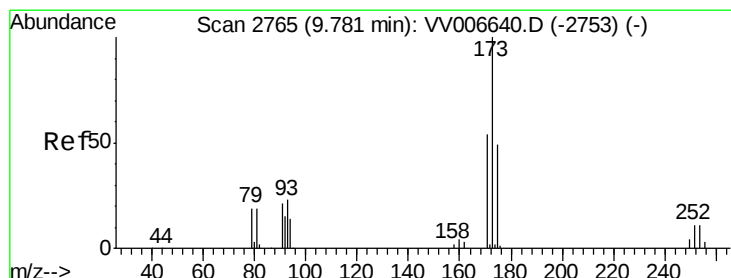
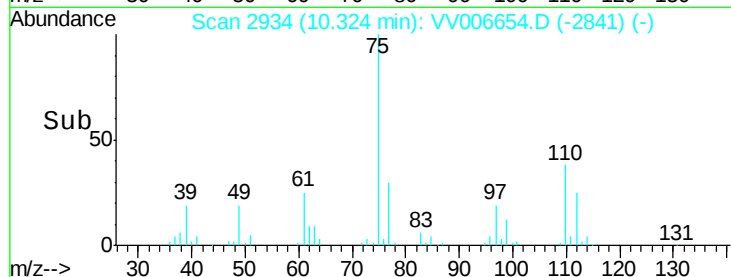
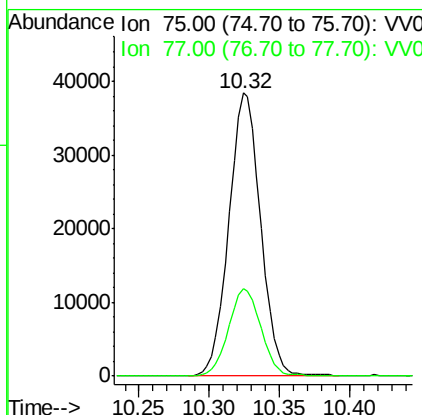
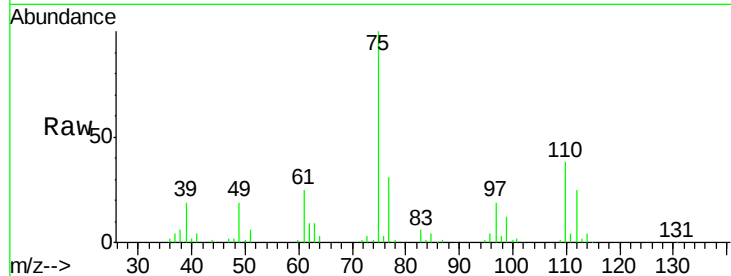




#59
 1,2,3-Trichloropropane
 Concen: 4.952 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

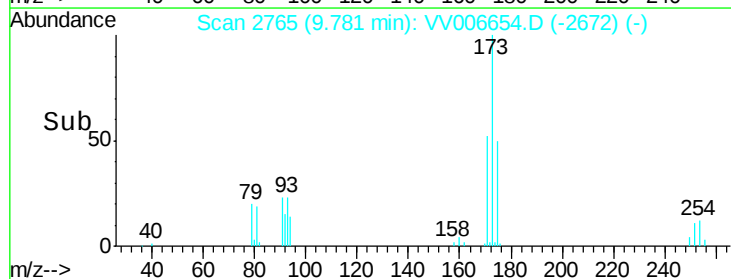
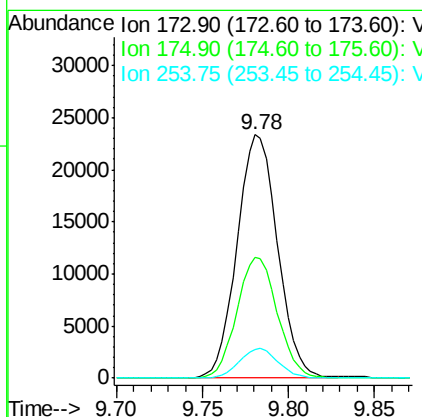
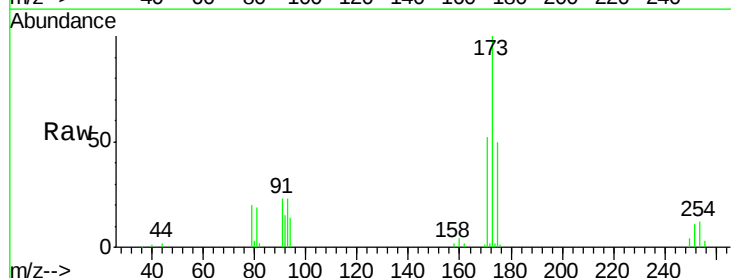
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

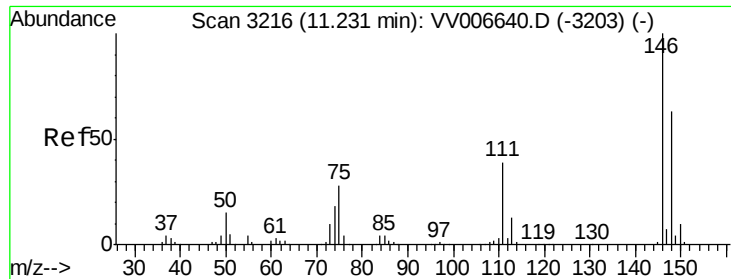
Tgt Ion: 75 Resp: 60598
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.4



#61
 Bromoform
 Concen: 4.898 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

Tgt Ion: 173 Resp: 38161
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.9 58.3
 254 11.5 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.170 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

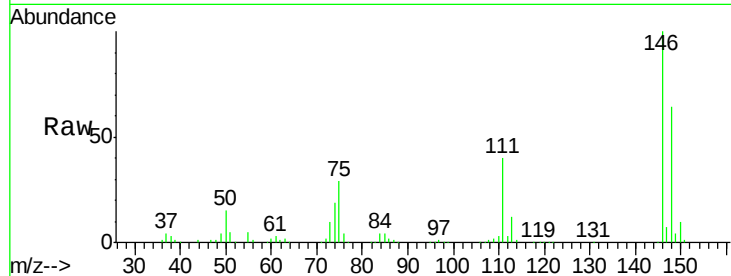
Tgt Ion:146 Resp: 212327

Ion Ratio Lower Upper

146 100

111 39.9 27.2 50.6

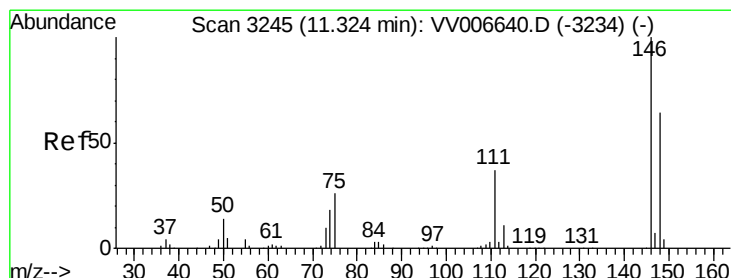
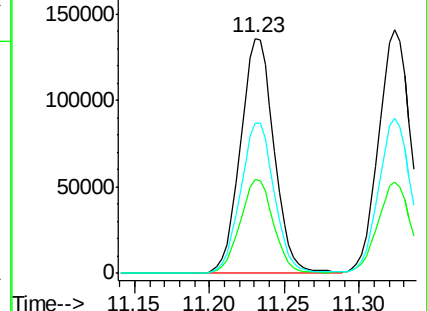
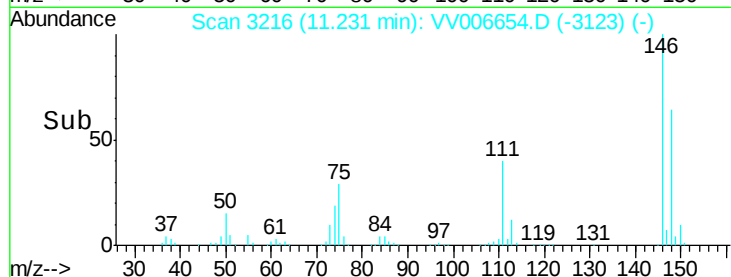
148 64.2 44.4 82.4



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: 5.170 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

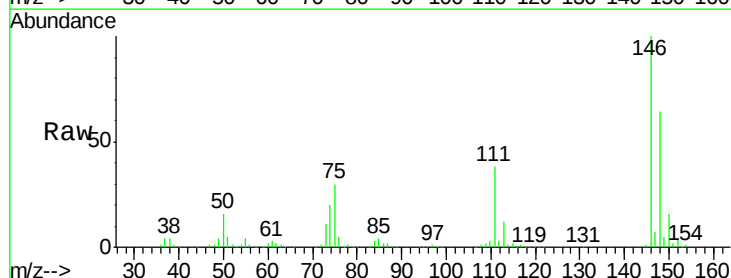
Tgt Ion:146 Resp: 215689

Ion Ratio Lower Upper

146 100

111 37.6 26.0 48.4

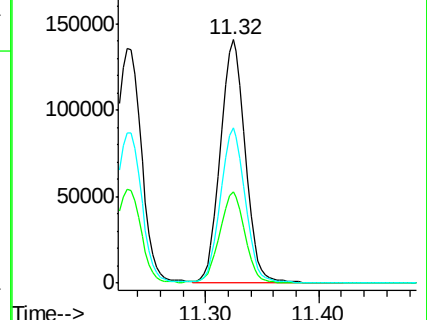
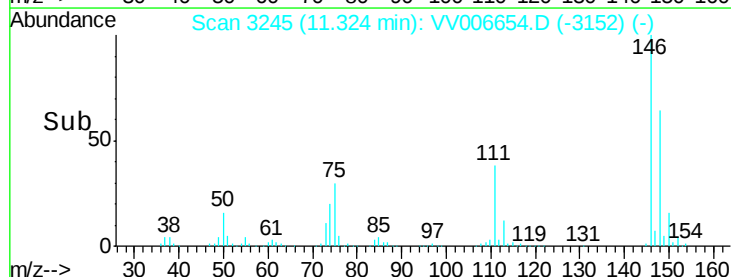
148 63.9 44.6 82.8

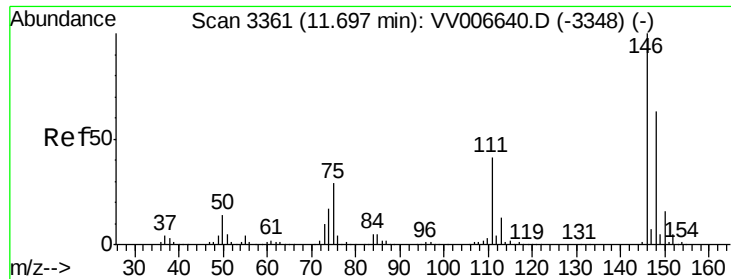


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.221 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

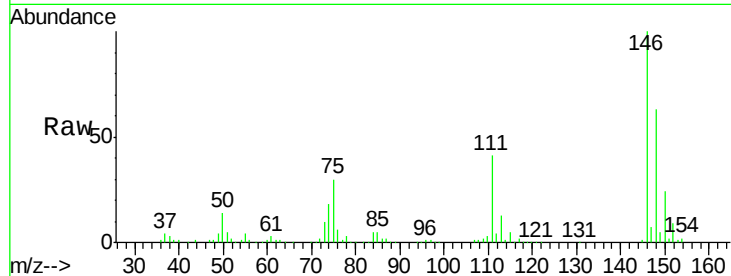
Tgt Ion:146 Resp: 205540

Ion Ratio Lower Upper

146 100

111 41.3 32.6 49.0

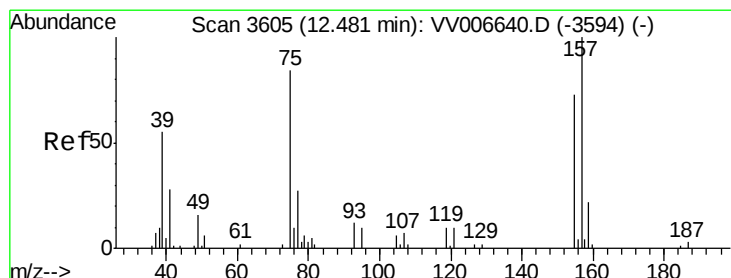
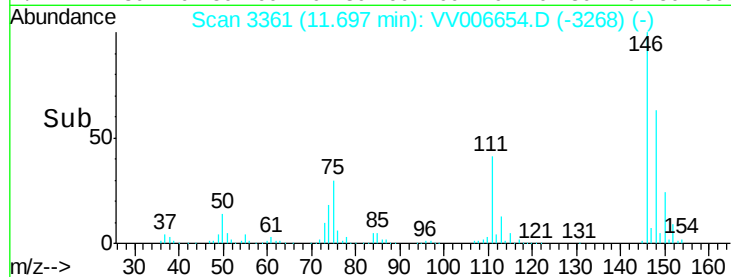
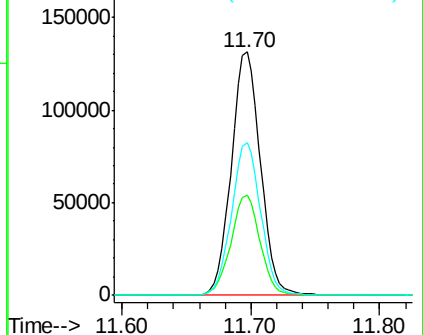
148 63.0 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.865 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

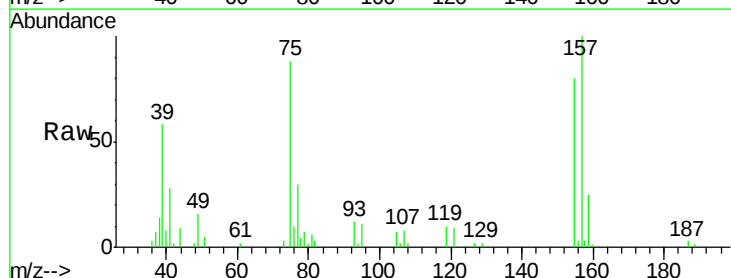
Tgt Ion: 75 Resp: 11365

Ion Ratio Lower Upper

75 100

155 90.7 69.8 104.6

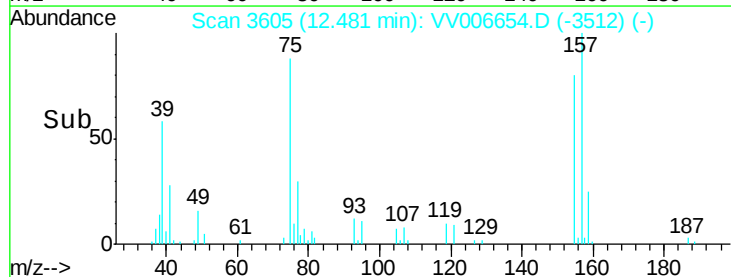
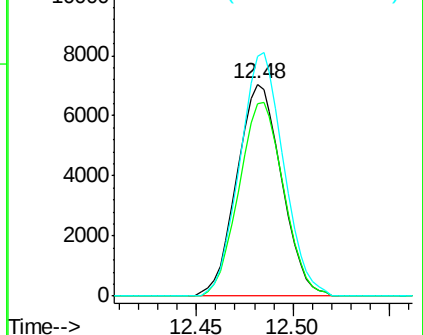
157 113.1 95.0 142.6

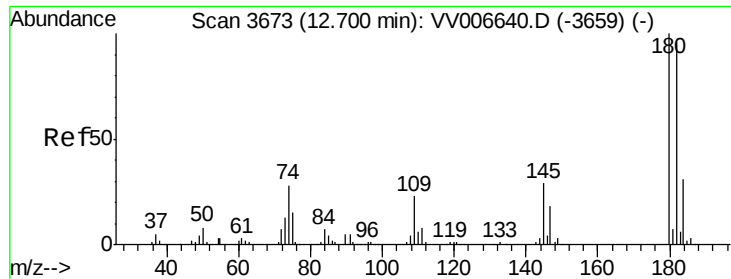


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

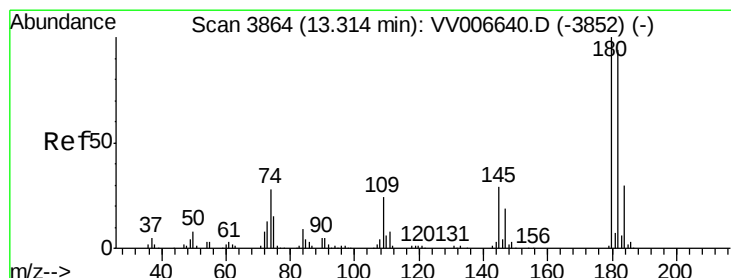
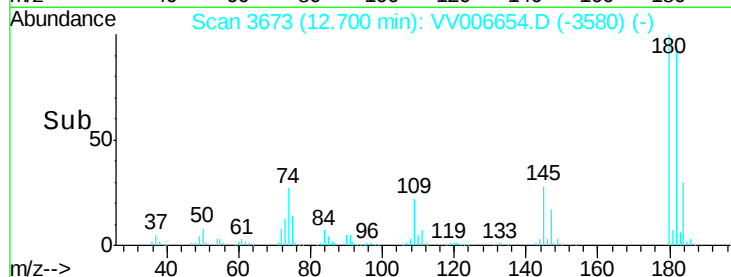
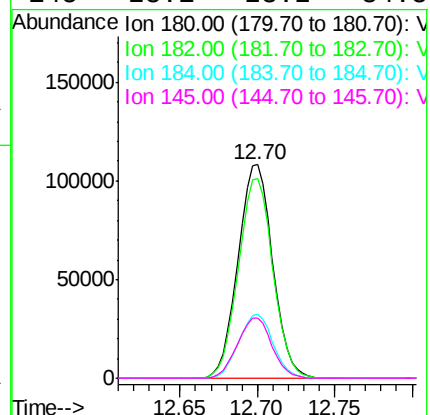
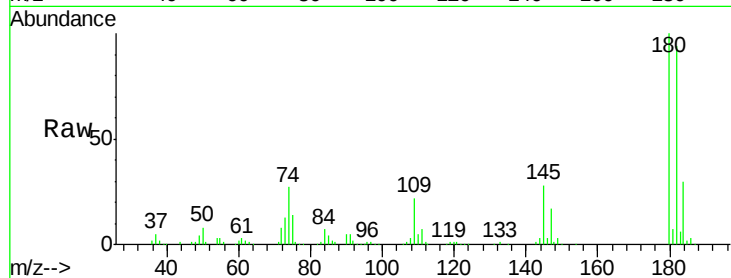




#67
 1,3,5-Trichlorobenzene
 Concen: 5.298 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

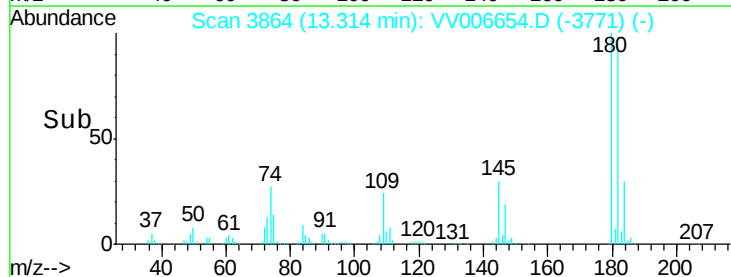
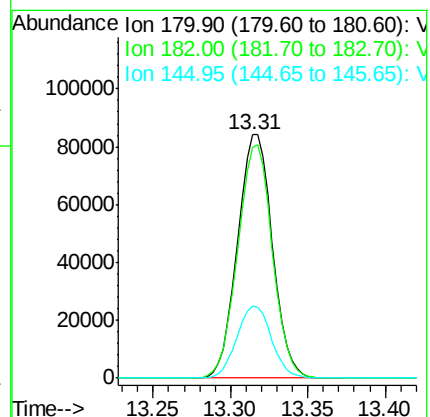
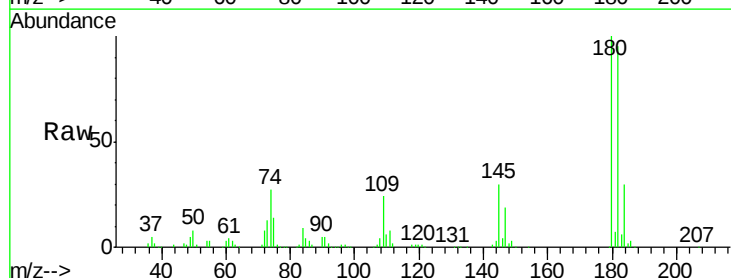
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

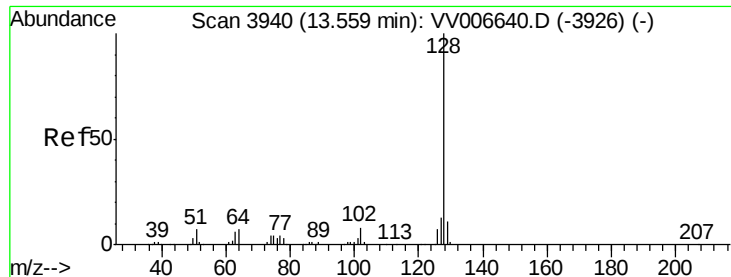
Tgt Ion:180 Resp: 168137
 Ion Ratio Lower Upper
 180 100
 182 93.4 77.4 116.0
 184 29.9 24.2 36.2
 145 28.1 23.2 34.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.223 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV006654.D
 Acq: 19 Jul 2018 20:57

Tgt Ion:180 Resp: 131510
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.8 113.8
 145 29.5 23.4 35.0





#69

Naphthalene

Concen: 5.049 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

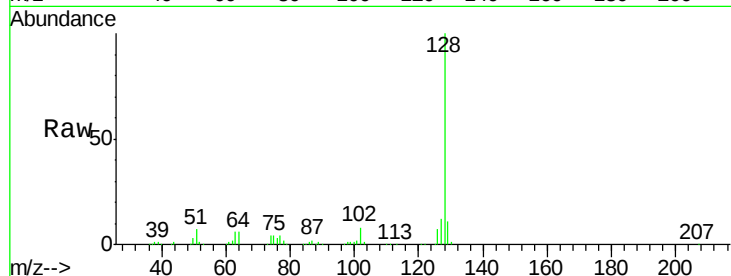
Tgt Ion:128 Resp: 220093

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

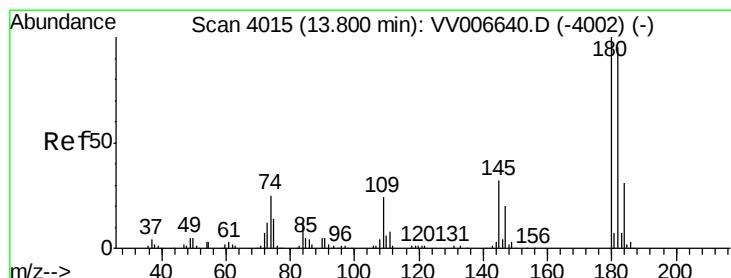
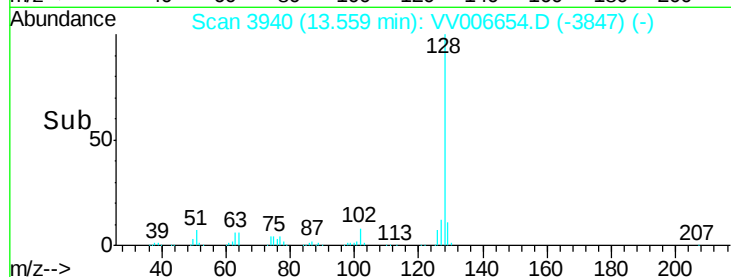
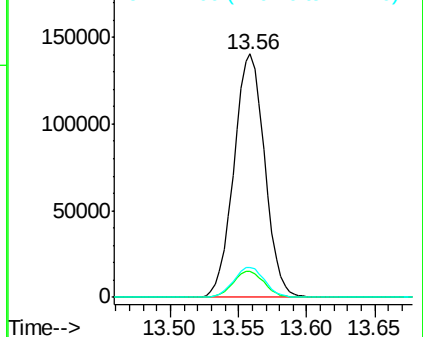
127 12.5 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.210 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006654.D

Acq: 19 Jul 2018 20:57

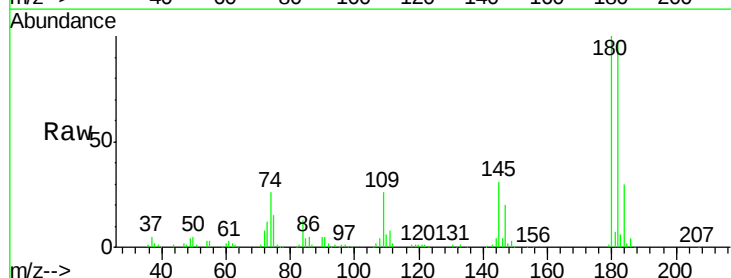
Tgt Ion:180 Resp: 123585

Ion Ratio Lower Upper

180 100

182 96.2 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

