

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072118\
 Data File : VV006678.D
 Acq On : 21 Jul 2018 10:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Quant Time: Jul 22 23:00:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 21 00:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	223001	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	209089	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	99813	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72138	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.58	69	57837	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.60%
11) 1,1-Dichloroethene-d2	2.13	63	151403	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.60%
20) 2-Butanone-d5	3.94	46	144980	42.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.32%
24) Chloroform-d	4.40	84	138587	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.09	65	63644	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.10	84	283311	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.12	67	89425	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.36	98	266322	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.67	79	29048	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.14	63	143420	48.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.28%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	65165	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	91750	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	119987	5.659 ug/L	97
3) Chloromethane	1.26	50	96541	5.384 ug/L	99
5) Vinyl chloride	1.32	62	123254	5.322 ug/L	92
6) Bromomethane	1.52	94	24073	3.666 ug/L	95
8) Chloroethane	1.59	64	71301	5.359 ug/L	100
9) Trichlorofluoromethane	1.77	101	157398	5.663 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	99486	5.711 ug/L	99
12) 1,1-Dichloroethene	2.14	96	90983	5.511 ug/L	92
13) Acetone	2.19	43	137377	52.699 ug/L	98
14) Carbon disulfide	2.32	76	284891	5.321 ug/L	100
15) Methyl Acetate	2.46	43	40223	5.259 ug/L	98
16) Methylene chloride	2.54	84	101027	4.864 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	221280	5.430 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	99880	5.489 ug/L	99
19) 1,1-Dichloroethane	3.23	63	184506	5.743 ug/L	99
21) 2-Butanone	4.03	43	225990	51.759 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	105757	5.551 ug/L	98

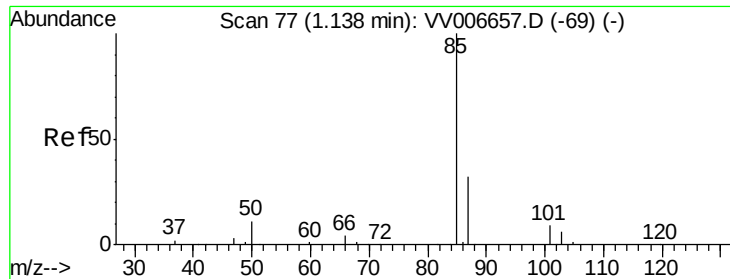
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072118\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	42907	5.532	ug/L	100
25) Chloroform	4.43	83	177994	5.750	ug/L	99
27) 1,2-Dichloroethane	5.19	62	101827	5.630	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	147032	5.626	ug/L	99
30) Cyclohexane	4.72	56	154132	5.275	ug/L	99
31) Carbon tetrachloride	4.88	117	125688	5.623	ug/L	100
33) Benzene	5.15	78	406046	5.521	ug/L	100
34) Trichloroethene	5.96	95	99111	5.326	ug/L	99
35) Methylcyclohexane	6.18	83	168700	5.432	ug/L	99
37) 1,2-Dichloropropane	6.22	63	104305	5.559	ug/L	100
38) Bromodichloromethane	6.56	83	115887	5.560	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	134431	5.449	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	530293	52.285	ug/L	100
42) Toluene	7.43	91	425371	5.596	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	103254	5.383	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	68221	5.405	ug/L	97
47) Tetrachloroethene	8.02	164	82826	5.541	ug/L	98
48) 2-Hexanone	8.19	43	370911	52.314	ug/L	100
49) Dibromochloromethane	8.30	129	74707	5.586	ug/L	99
50) 1,2-Dibromoethane	8.40	107	60365	5.321	ug/L	100
51) Chlorobenzene	8.93	112	271205	5.490	ug/L	99
52) Ethylbenzene	9.06	91	450602	5.521	ug/L	100
53) m,p-xylene	9.19	106	175651	5.660	ug/L	100
54) o-xylene	9.59	106	169500	5.599	ug/L	97
55) Styrene	9.61	104	292288	5.767	ug/L	99
56) Isopropylbenzene	9.98	105	447709	5.637	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	82026	5.418	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	58156	5.257	ug/L	100
61) Bromoform	9.78	173	37175	5.389	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	198536	5.461	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	201788	5.463	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	193227	5.544	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10515	5.084	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	158119	5.627	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	119859	5.377	ug/L	99
69) Naphthalene	13.56	128	192345	4.984	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	112704	5.367	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.659 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

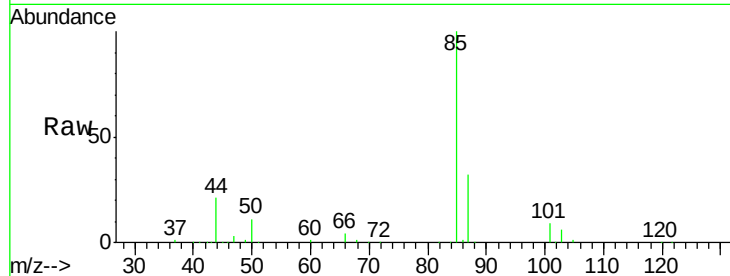
VSTD00573

Tgt Ion: 85 Resp: 119987

Ion Ratio Lower Upper

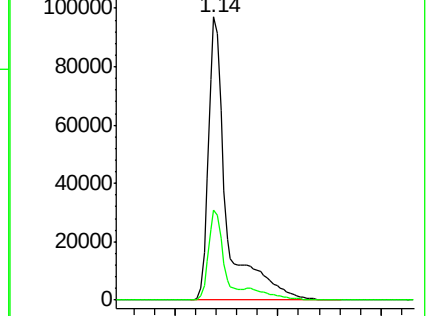
85 100

87 25.9 19.4 29.2

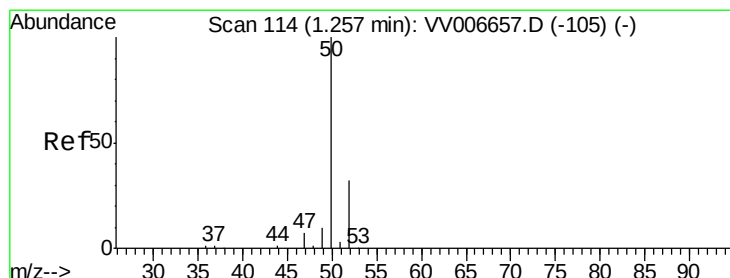
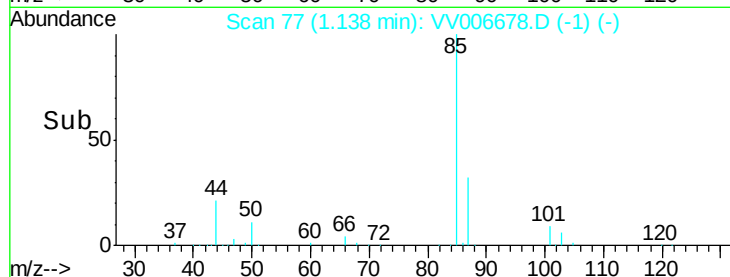


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 5.384 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006678.D

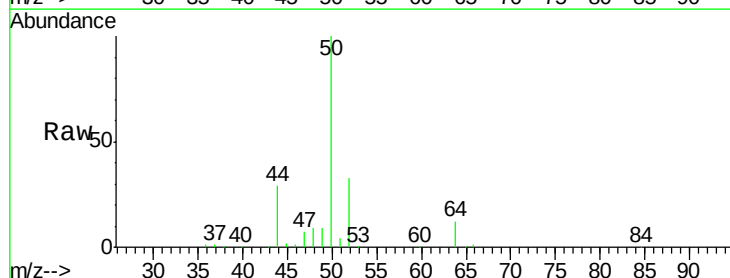
Acq: 21 Jul 2018 10:51

Tgt Ion: 50 Resp: 96541

Ion Ratio Lower Upper

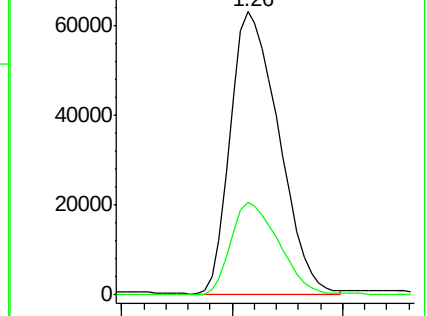
50 100

52 32.5 23.2 43.0

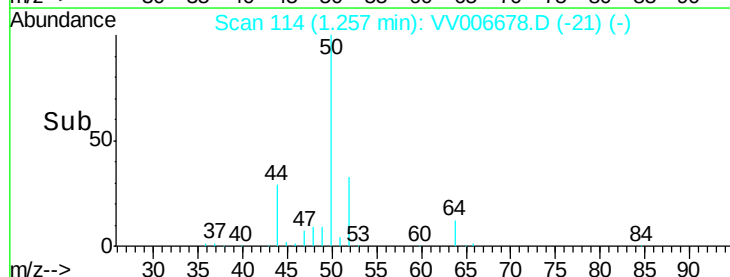


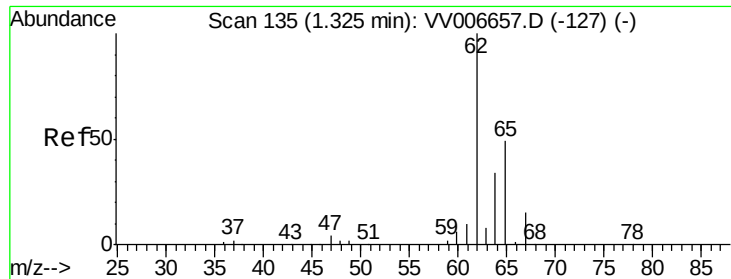
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 5.322 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

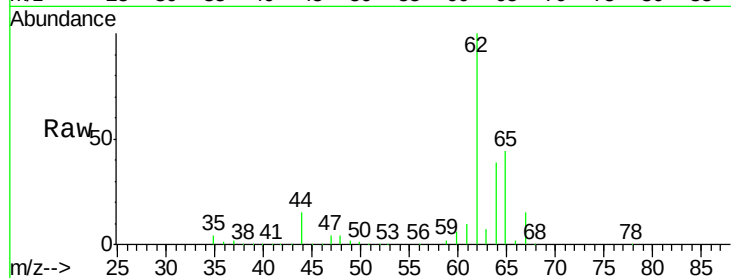
VSTD00573

Tgt Ion: 62 Resp: 123254

Ion Ratio Lower Upper

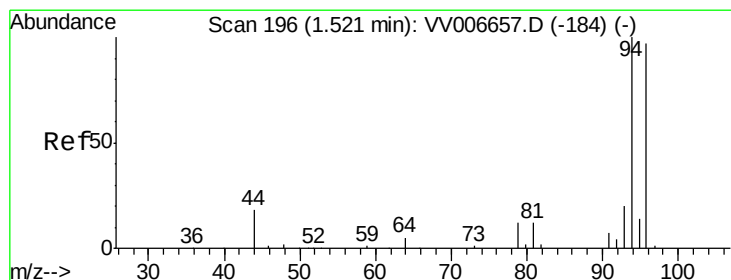
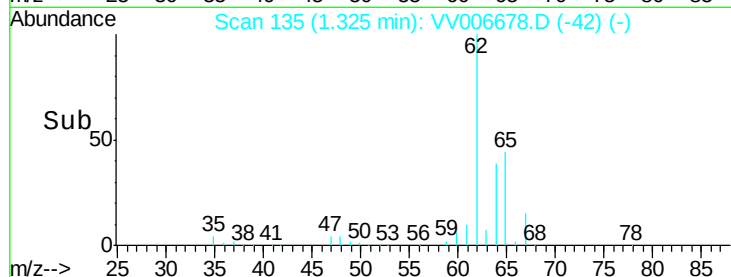
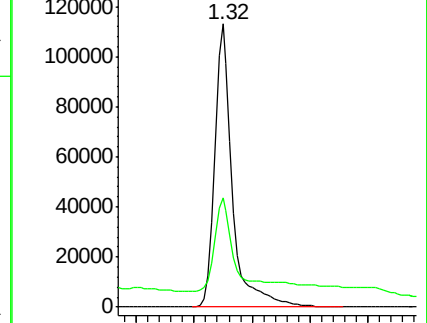
62 100

64 38.7 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.666 ug/L

RT: 1.52 min Scan# 197

Delta R.T. 0.00 min

Lab File: VV006678.D

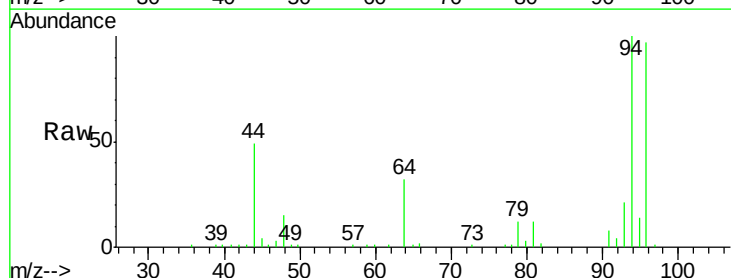
Acq: 21 Jul 2018 10:51

Tgt Ion: 94 Resp: 24073

Ion Ratio Lower Upper

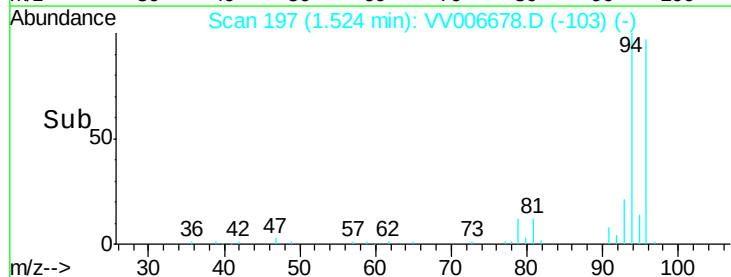
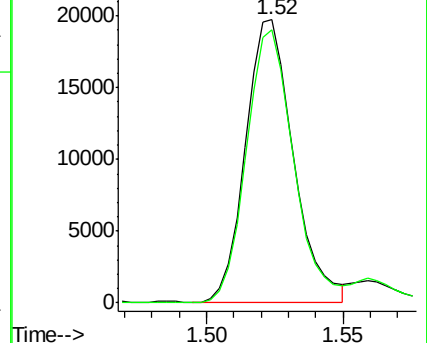
94 100

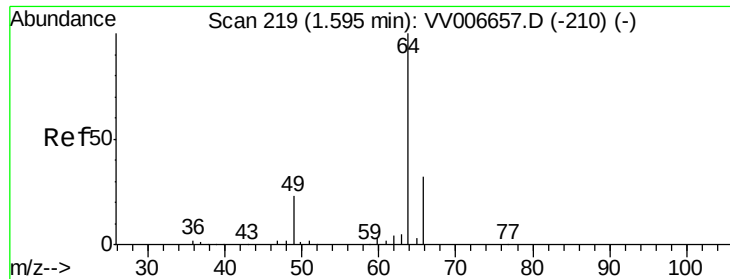
96 96.6 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.359 ug/L

RT: 1.59 min Scan# 219

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

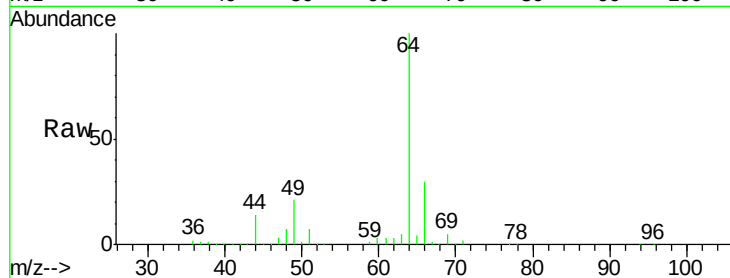
VSTD00573

Tgt Ion: 64 Resp: 71301

Ion Ratio Lower Upper

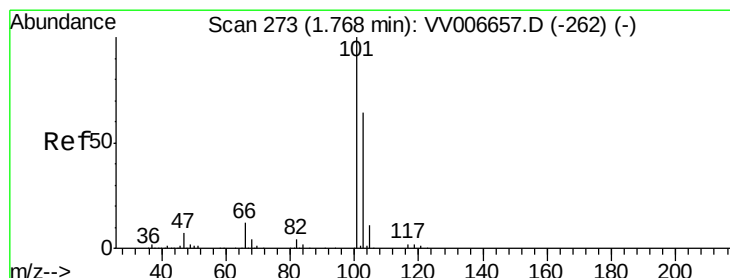
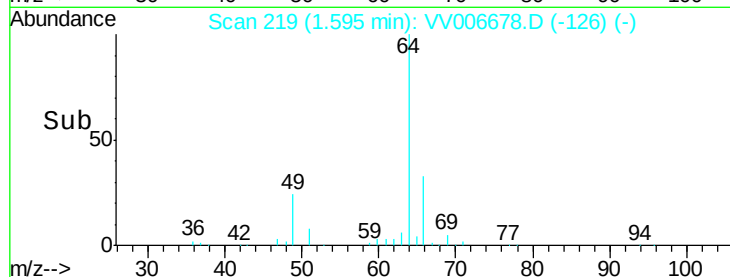
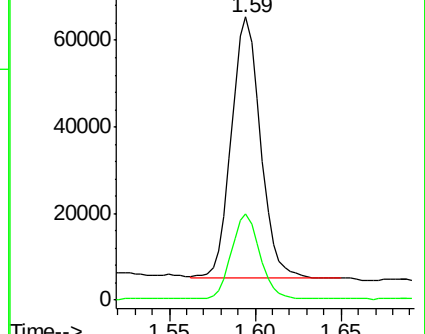
64 100

66 30.3 21.1 39.3



Abundance Ion 64.10 (63.80 to 64.80): VV006657.D (-210) (-)

Ion 66.05 (65.75 to 66.75): VV006657.D (-210) (-)



#9

Trichlorofluoromethane

Concen: 5.663 ug/L

RT: 1.77 min Scan# 273

Delta R.T. 0.00 min

Lab File: VV006678.D

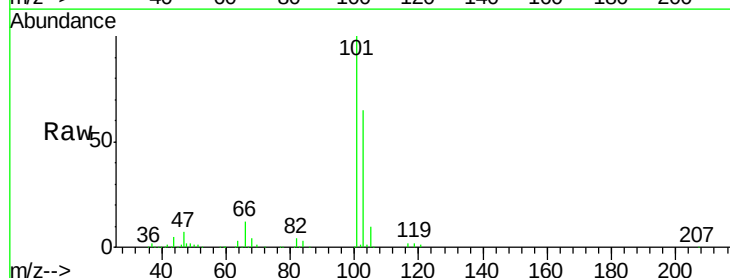
Acq: 21 Jul 2018 10:51

Tgt Ion: 101 Resp: 157398

Ion Ratio Lower Upper

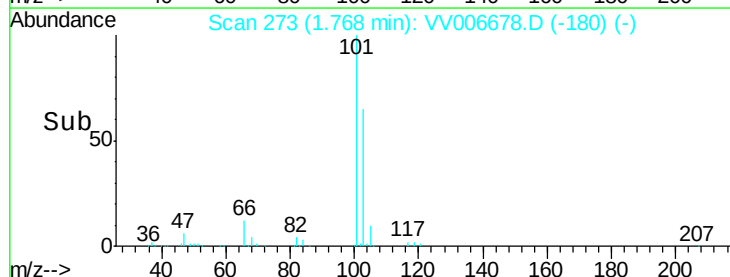
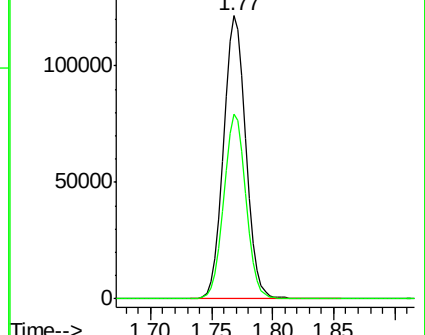
101 100

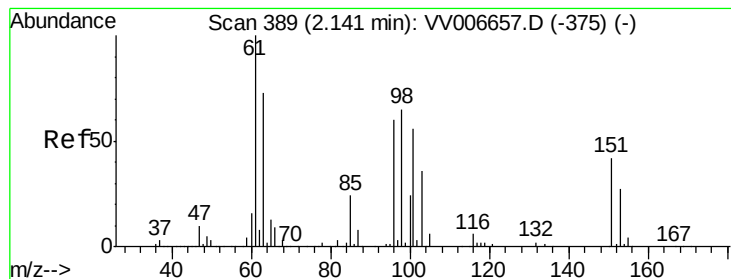
103 64.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV006657.D (-262) (-)

Ion 103.00 (102.70 to 103.70): VV006657.D (-262) (-)





#10

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

Concen: 5.711 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

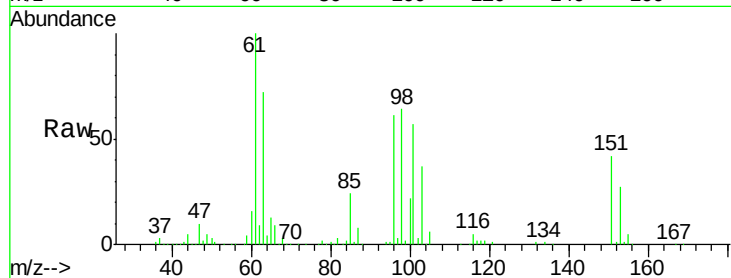
Tgt Ion: 101 Resp: 99486

Ion Ratio Lower Upper

101 100

85 42.4 33.7 50.5

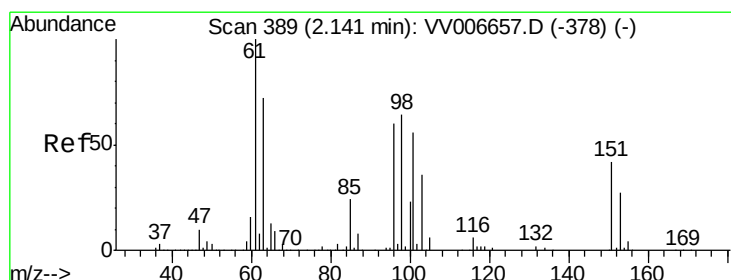
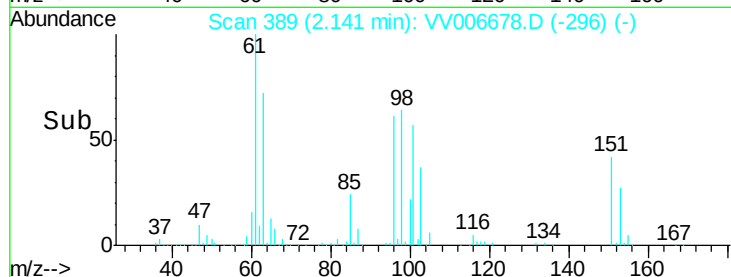
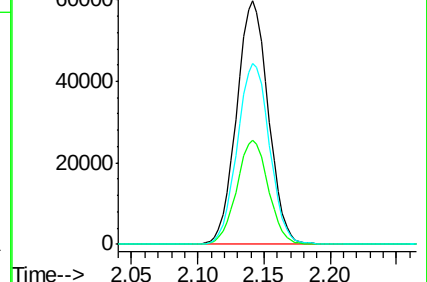
151 75.6 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VV006678.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006678.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006678.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 5.511 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

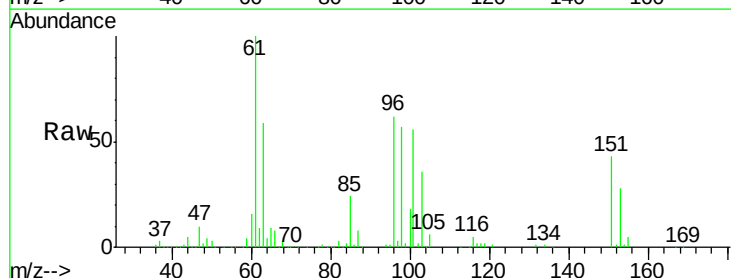
Tgt Ion: 96 Resp: 90983

Ion Ratio Lower Upper

96 100

61 160.0 115.1 213.8

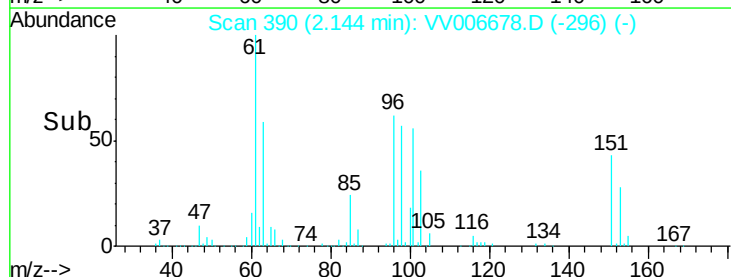
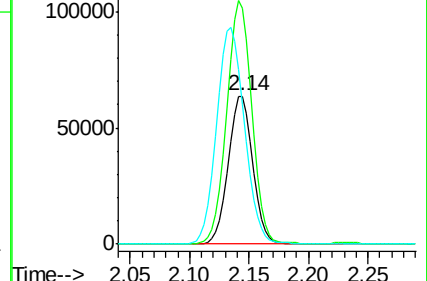
63 94.3 77.2 143.4

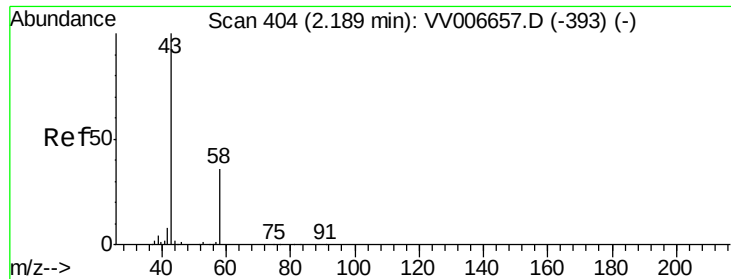


Abundance Ion 96.00 (95.70 to 96.70): VV006678.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VV006678.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VV006678.D (-296) (-)





#13

Acetone

Concen: 52.699 ug/L

RT: 2.19 min Scan# 404

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

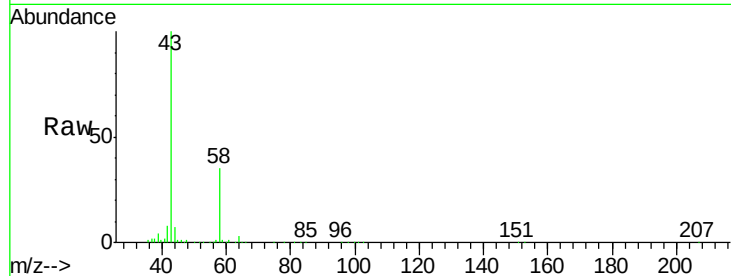
VSTD00573

Tgt Ion: 43 Resp: 137377

Ion Ratio Lower Upper

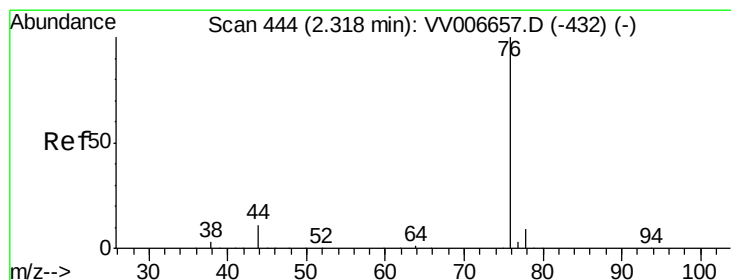
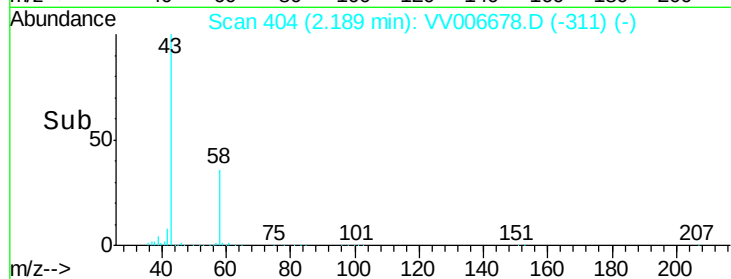
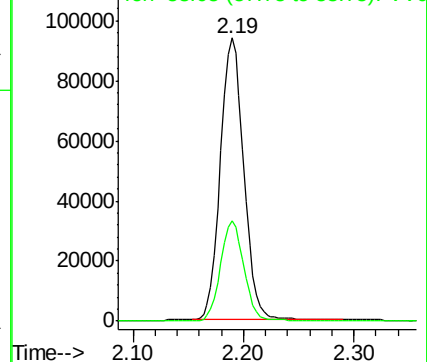
43 100

58 35.2 0.0 72.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.321 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006678.D

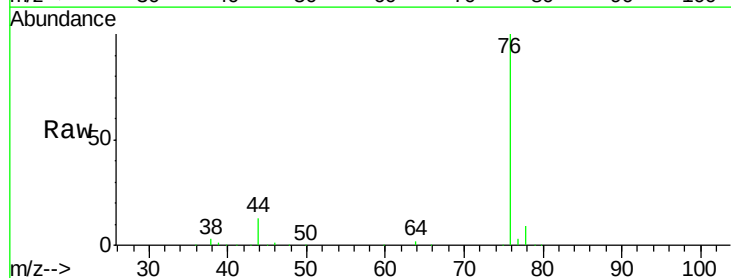
Acq: 21 Jul 2018 10:51

Tgt Ion: 76 Resp: 284891

Ion Ratio Lower Upper

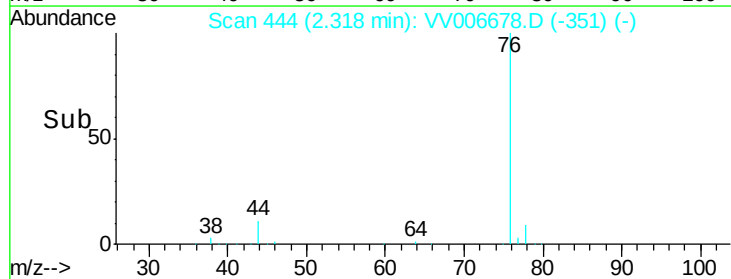
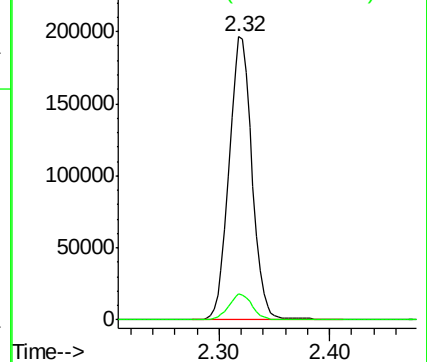
76 100

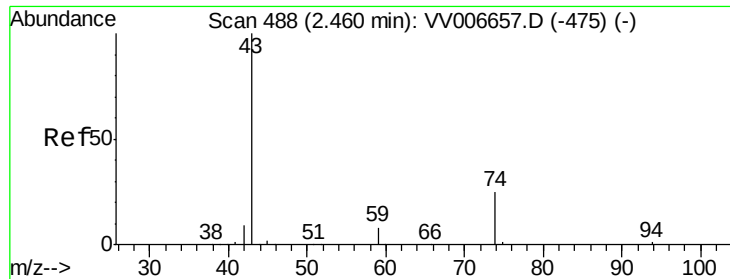
78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

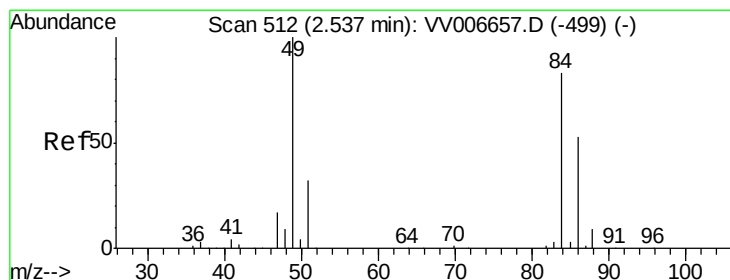
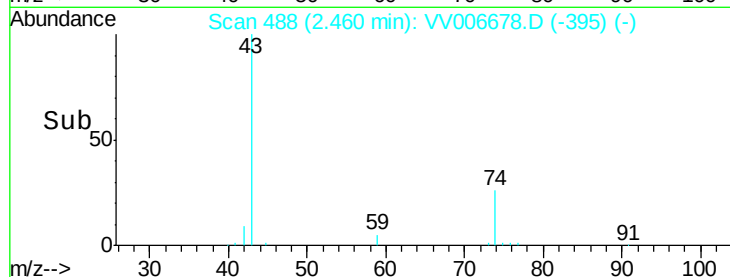
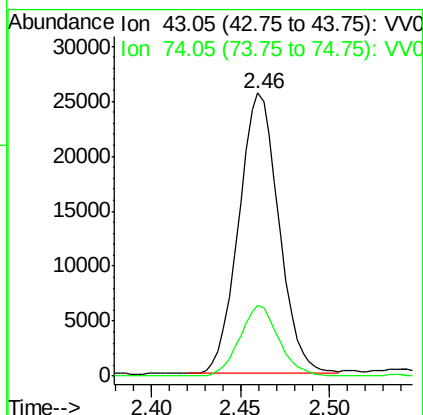
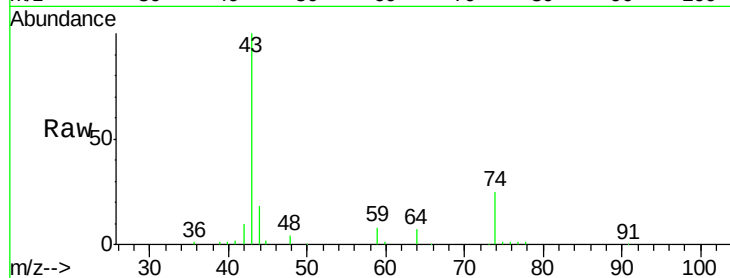




#15
Methyl Acetate
Concen: 5.259 ug/L
RT: 2.46 min Scan# 488
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

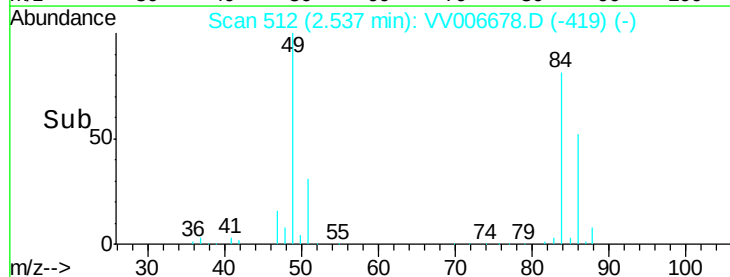
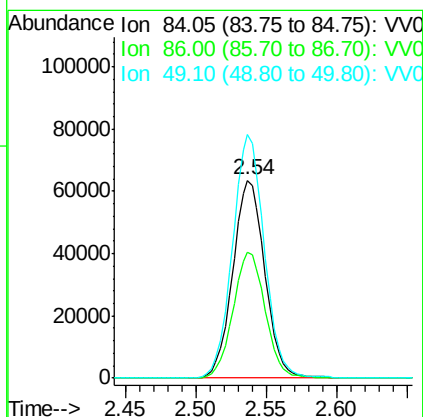
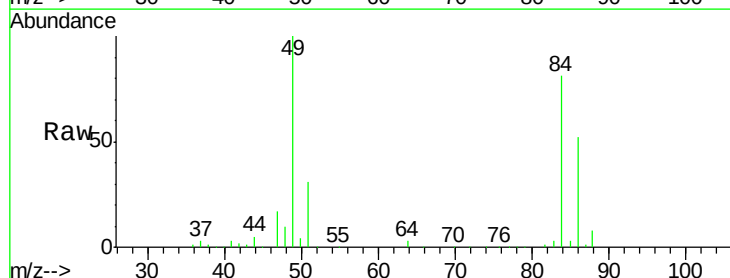
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

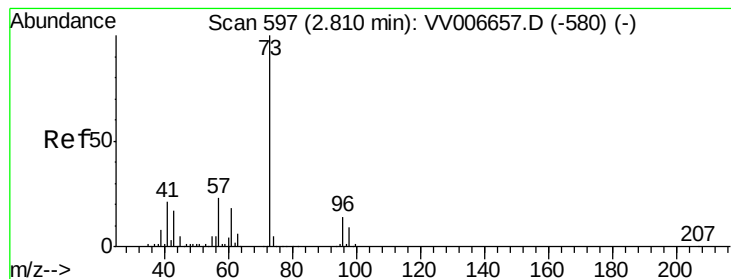
Tgt Ion: 43 Resp: 40223
Ion Ratio Lower Upper
43 100
74 24.3 20.3 30.5



#16
Methylene chloride
Concen: 4.864 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

Tgt Ion: 84 Resp: 101027
Ion Ratio Lower Upper
84 100
86 63.7 45.4 84.2
49 123.0 85.1 158.1





#17

Methyl tert-butyl Ether

Concen: 5.430 ug/L

RT: 2.81 min Scan# 597

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

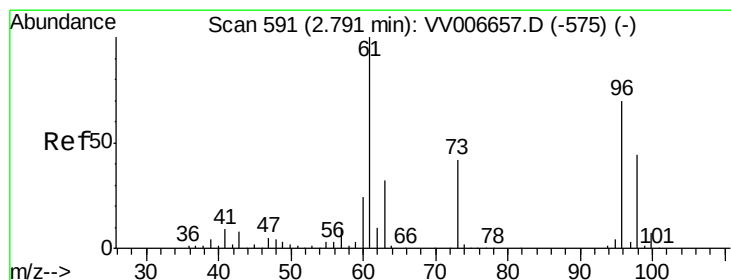
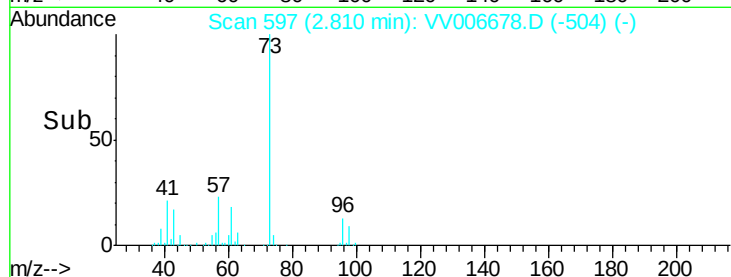
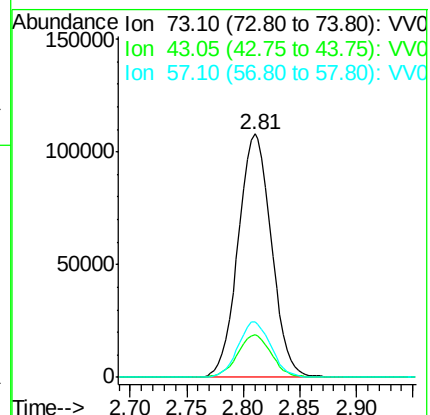
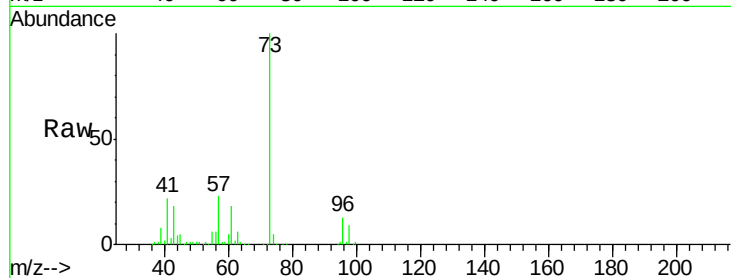
Tgt Ion: 73 Resp: 221280

Ion Ratio Lower Upper

73 100

43 17.3 13.9 20.9

57 22.6 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 5.489 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

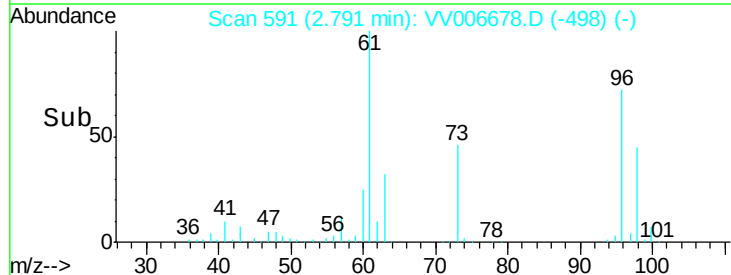
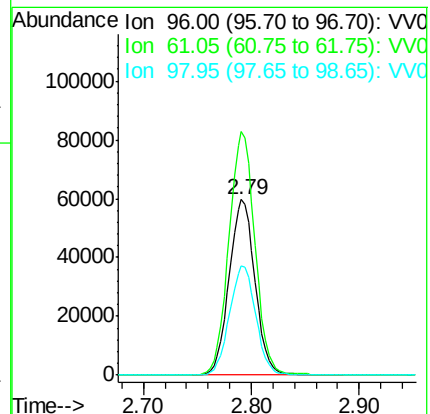
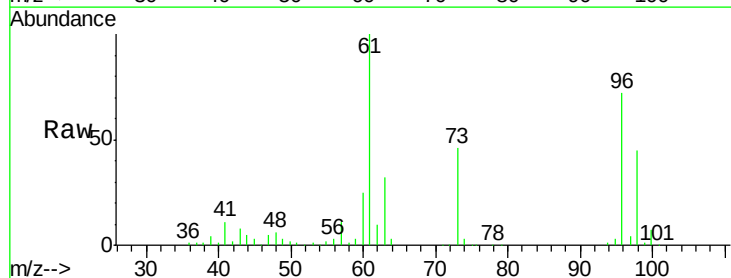
Tgt Ion: 96 Resp: 99880

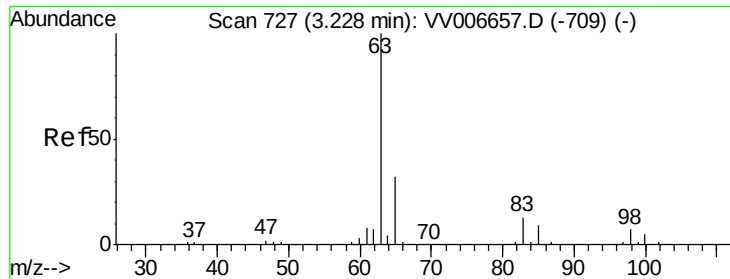
Ion Ratio Lower Upper

96 100

61 138.7 96.0 178.4

98 62.2 43.5 80.9

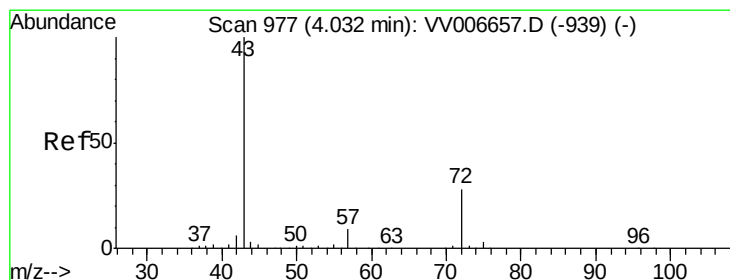
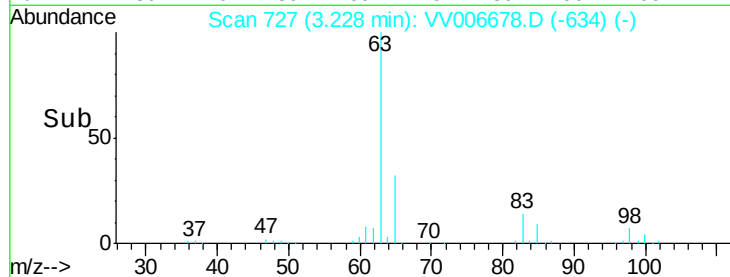
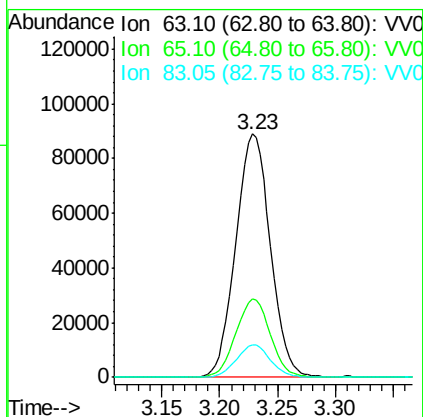
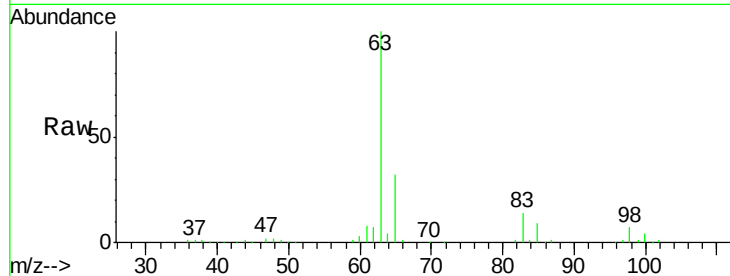




#19
 1,1-Dichloroethane
 Concen: 5.743 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

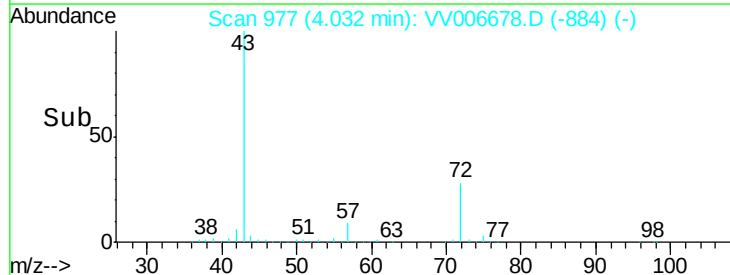
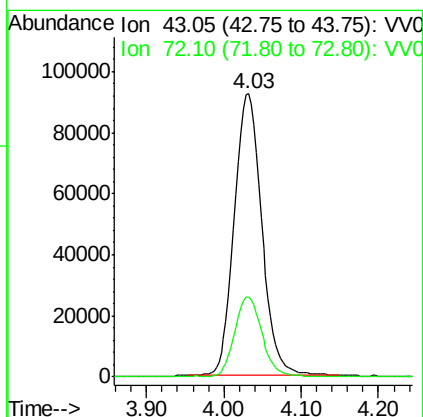
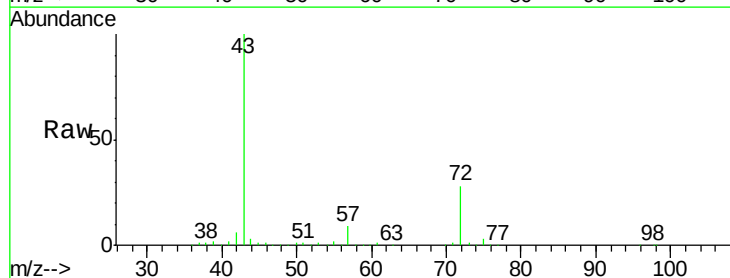
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

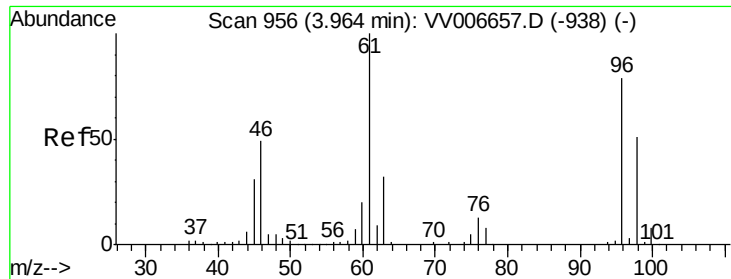
Tgt Ion: 63 Resp: 184506
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.1 41.1
 83 13.6 9.2 17.0



#21
 2-Butanone
 Concen: 51.759 ug/L
 RT: 4.03 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

Tgt Ion: 43 Resp: 225990
 Ion Ratio Lower Upper
 43 100
 72 28.0 13.9 41.6



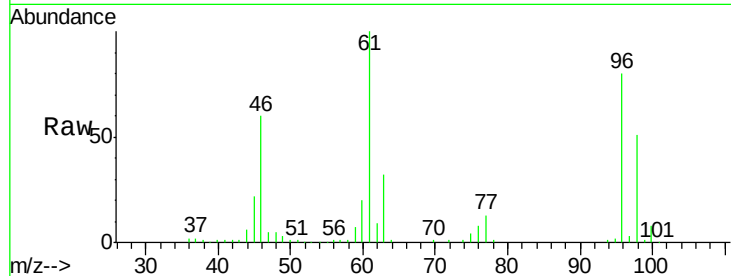


#22

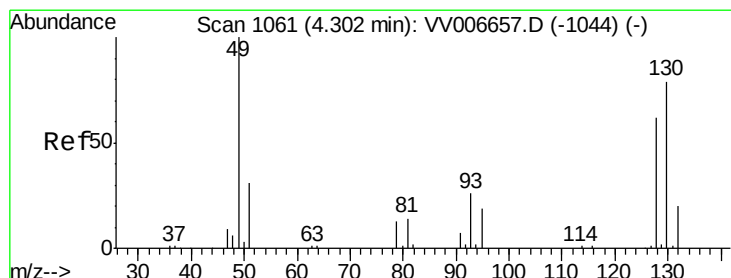
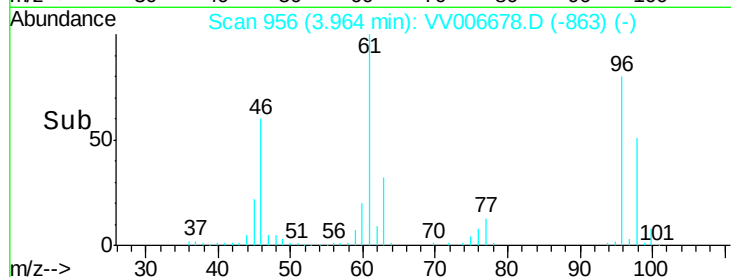
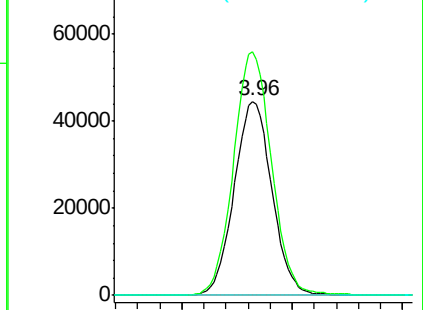
cis-1,2-Dichloroethene
Concen: 5.551 ug/L
RT: 3.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

Tgt Ion: 96 Resp: 105757
Ion Ratio Lower Upper
96 100
61 125.7 86.2 160.0
68 0.0 0.0 0.0



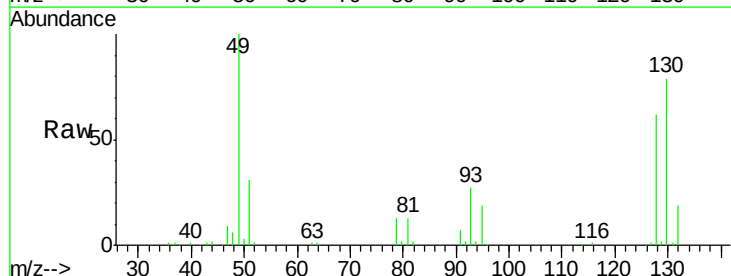
Abundance Ion 96.00 (95.70 to 96.70): VV006678.D (-863) (-)
Ion 61.05 (60.75 to 61.75): VV006678.D (-863) (-)
Ion 68.15 (67.85 to 68.85): VV006678.D (-863) (-)



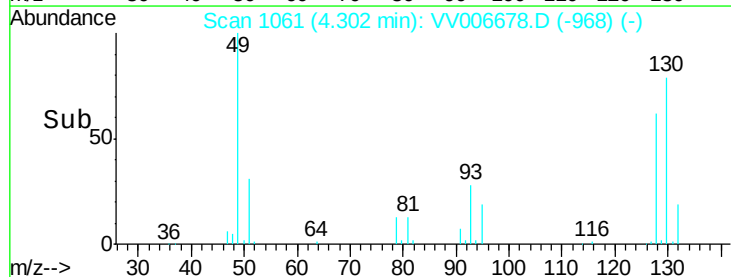
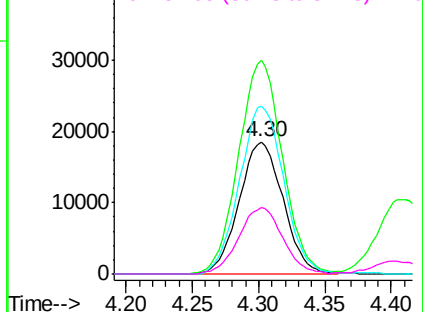
#23

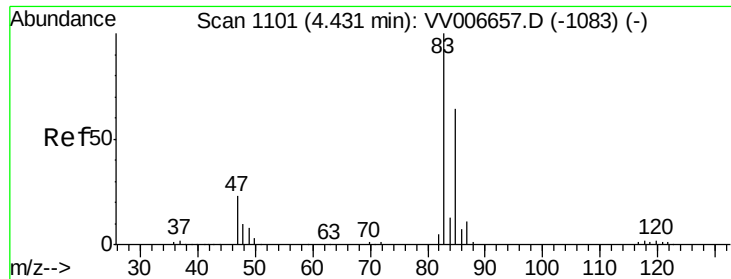
Bromochloromethane
Concen: 5.532 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

Tgt Ion: 128 Resp: 42907
Ion Ratio Lower Upper
128 100
49 161.7 113.0 209.8
130 127.2 89.3 165.9
51 50.2 40.9 61.3



Abundance Ion 127.90 (127.60 to 128.60): VV006678.D (-968) (-)
Ion 49.10 (48.80 to 49.80): VV006678.D (-968) (-)
Ion 129.95 (129.65 to 130.65): VV006678.D (-968) (-)
Ion 51.05 (50.75 to 51.75): VV006678.D (-968) (-)

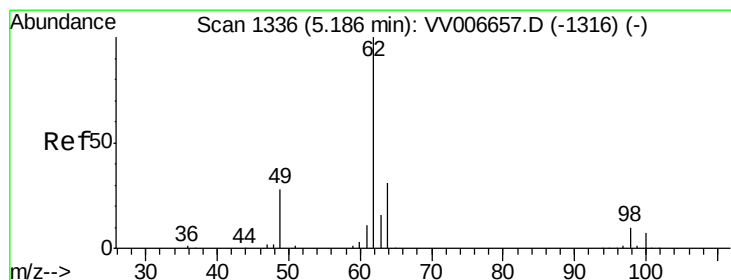
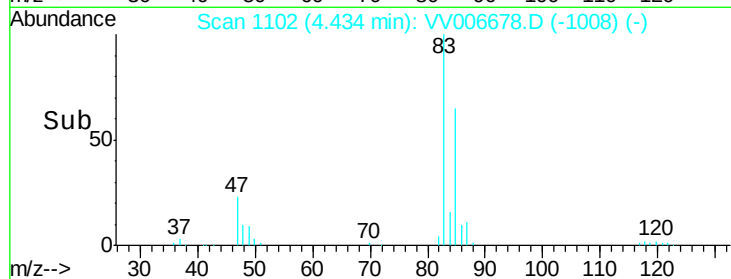
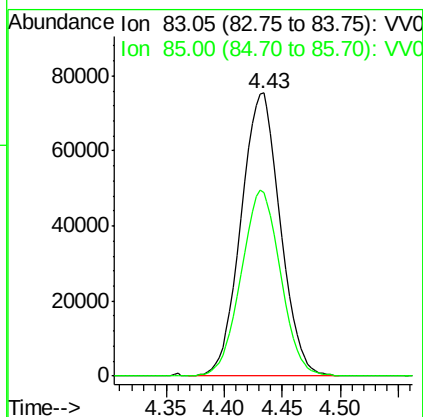
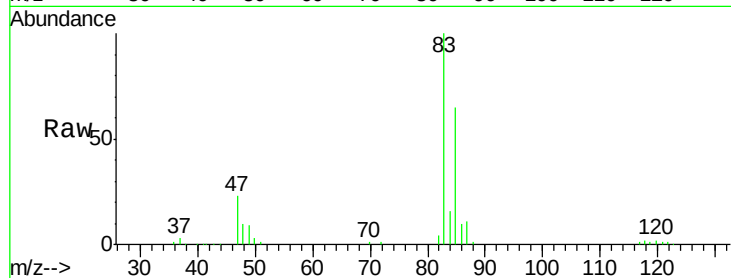




#25
Chloroform
Concen: 5.750 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

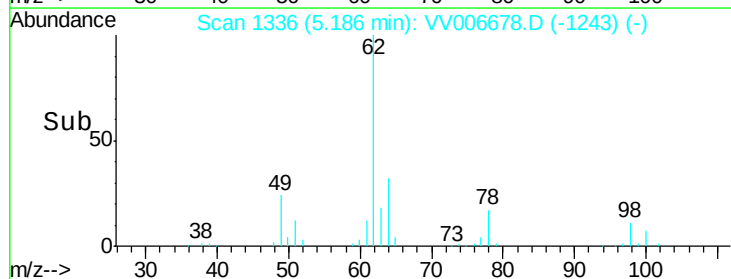
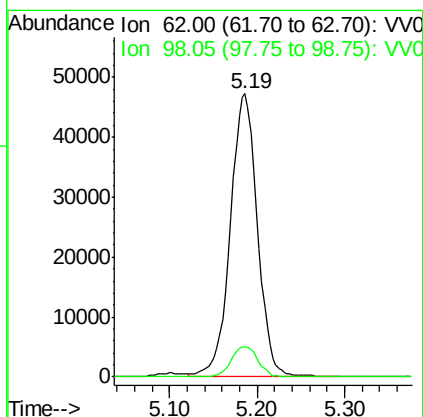
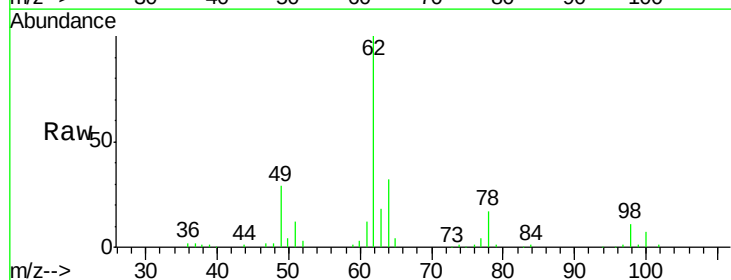
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

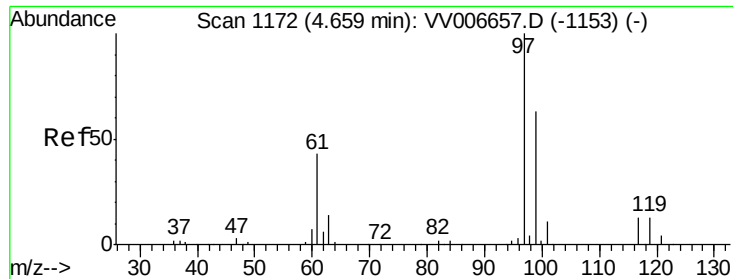
Tgt Ion: 83 Resp: 177994
Ion Ratio Lower Upper
83 100
85 65.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.630 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

Tgt Ion: 62 Resp: 101827
Ion Ratio Lower Upper
62 100
98 10.8 8.4 12.6

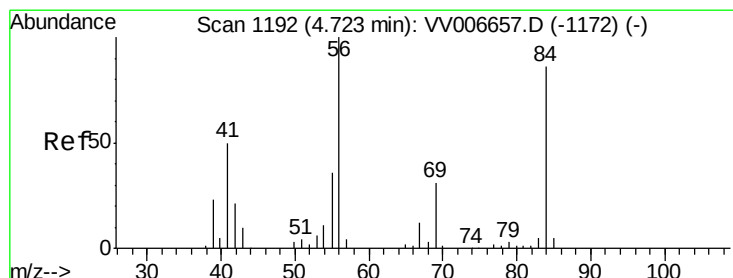
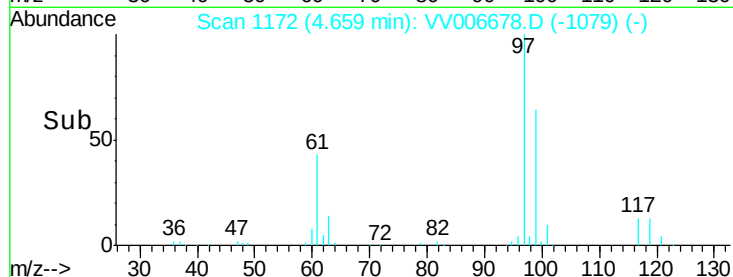
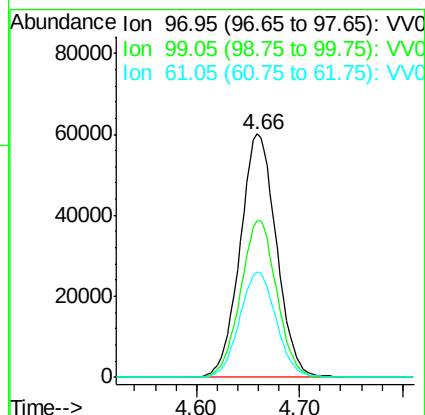
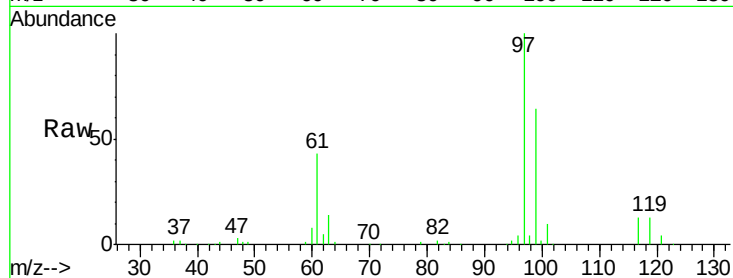




#29
 1,1,1-Trichloroethane
 Concen: 5.626 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

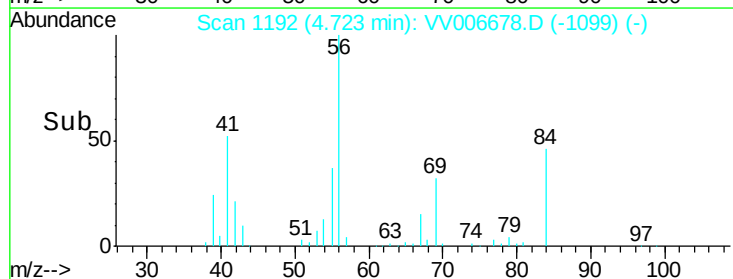
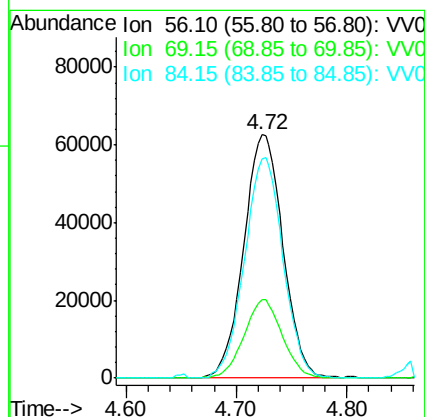
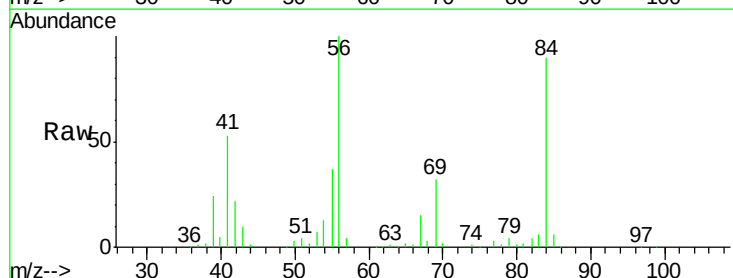
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

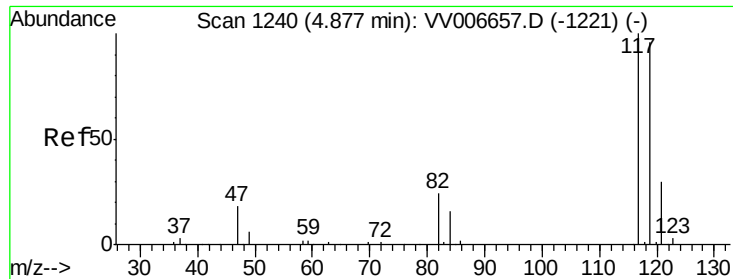
Tgt Ion: 97 Resp: 147032
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.5 77.3
 61 43.6 35.4 53.2



#30
 Cyclohexane
 Concen: 5.275 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

Tgt Ion: 56 Resp: 154132
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.0 36.0
 84 89.2 71.0 106.6





#31

Carbon tetrachloride

Concen: 5.623 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

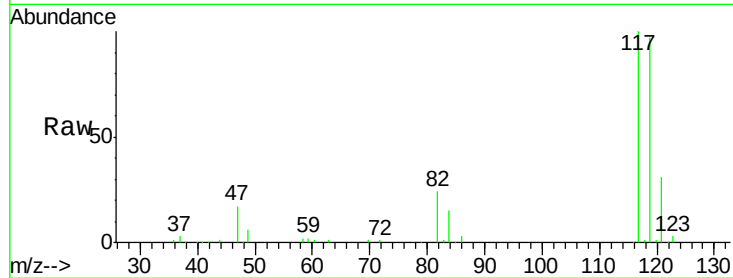
VSTD00573

Tgt Ion:117 Resp: 125688

Ion Ratio Lower Upper

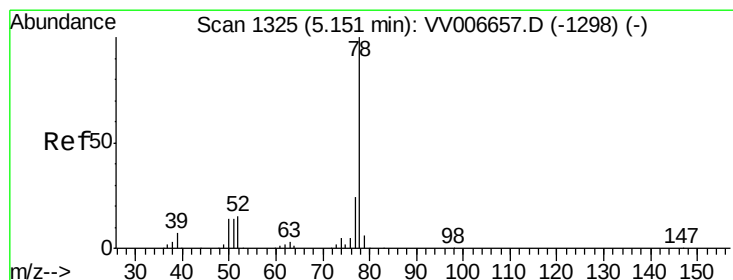
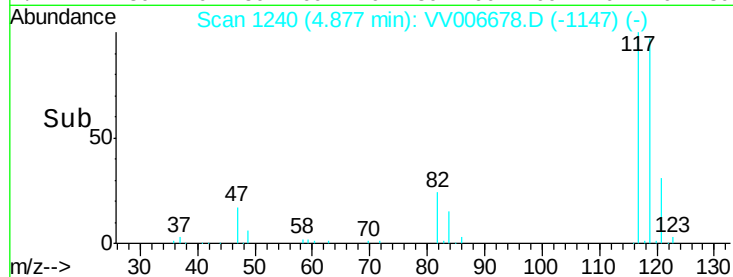
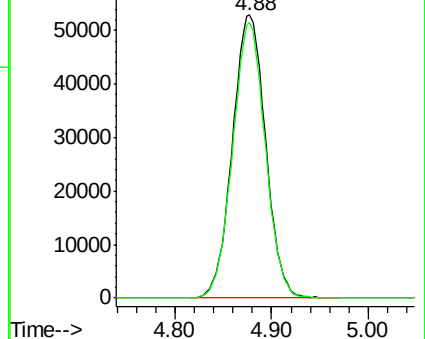
117 100

119 95.9 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: 5.521 ug/L

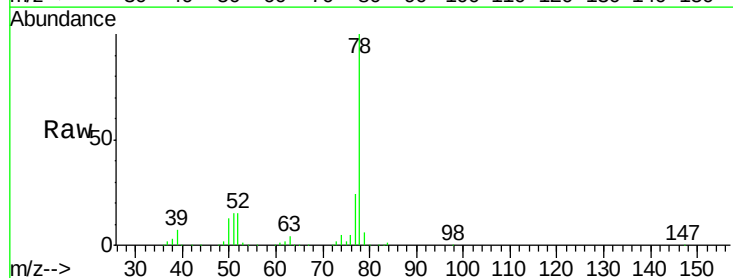
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

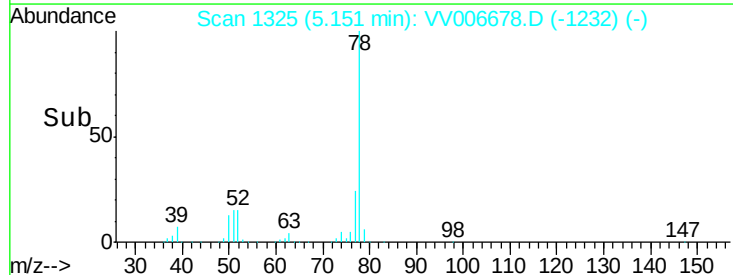
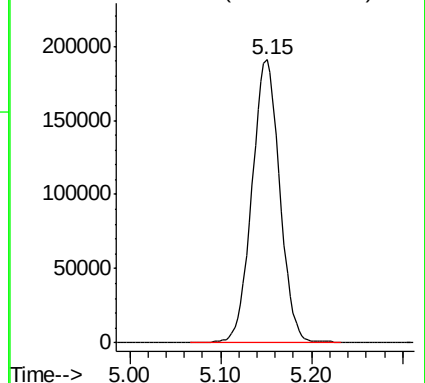
Lab File: VV006678.D

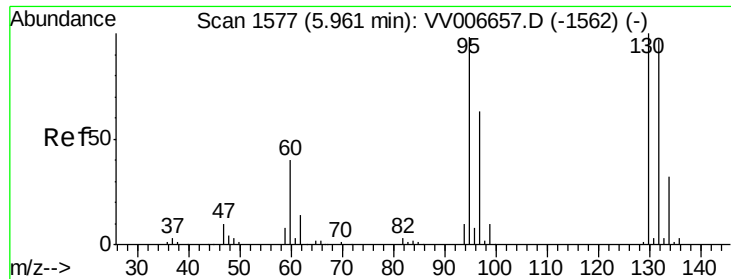
Acq: 21 Jul 2018 10:51

Tgt Ion: 78 Resp: 406046



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.326 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

Tgt Ion: 95 Resp: 99111

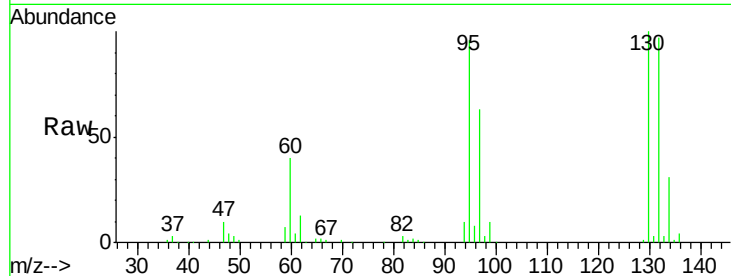
Ion Ratio Lower Upper

95 100

97 65.6 45.3 84.1

132 101.1 70.3 130.7

130 104.0 73.7 136.9

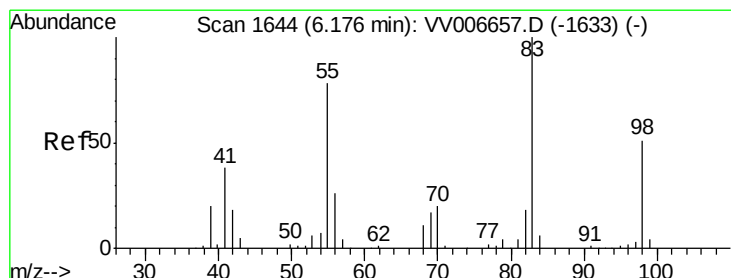
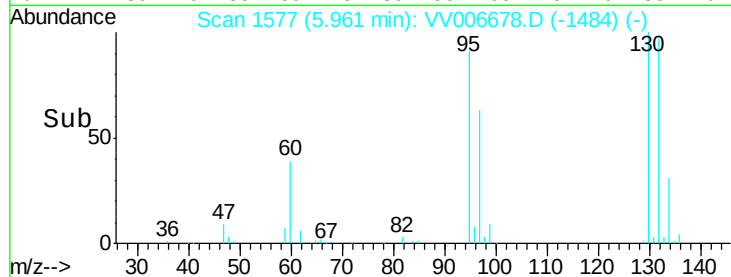
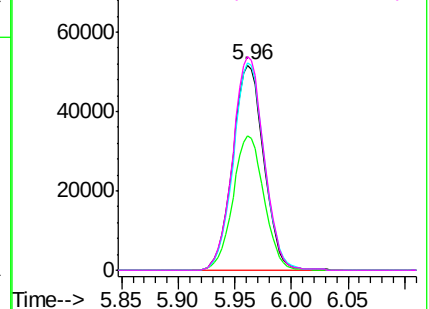


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.432 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

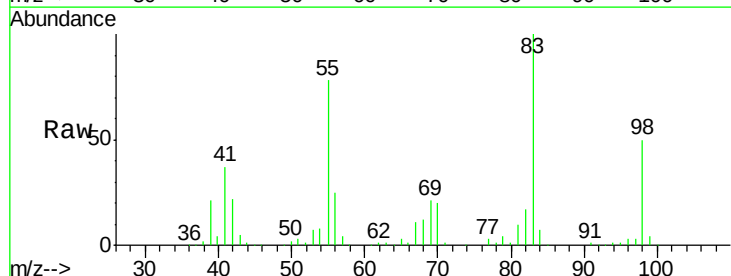
Tgt Ion: 83 Resp: 168700

Ion Ratio Lower Upper

83 100

55 77.1 61.3 91.9

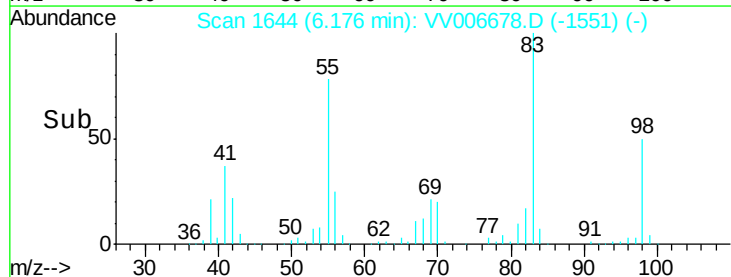
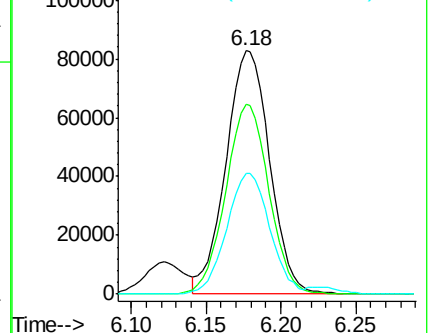
98 48.7 39.4 59.0

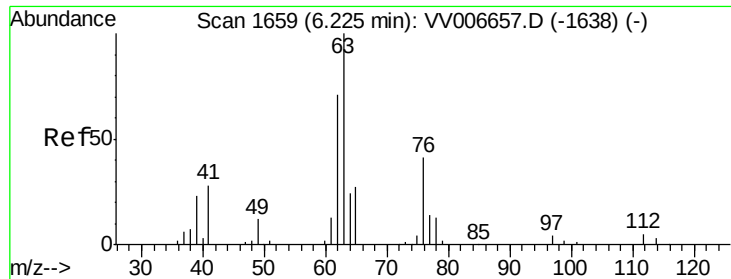


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

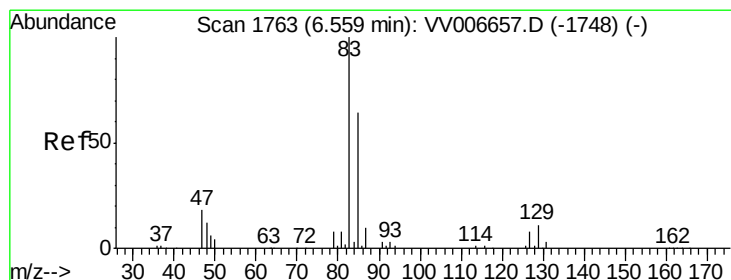
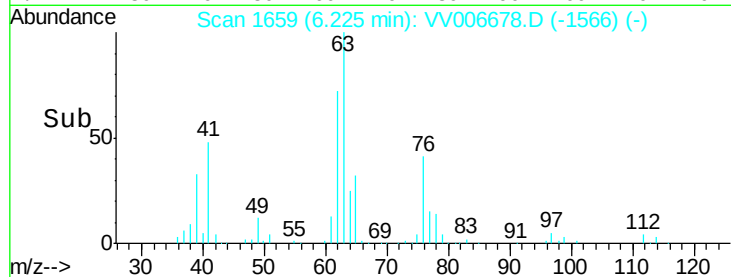
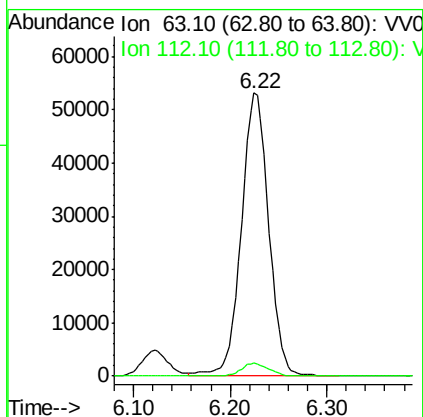
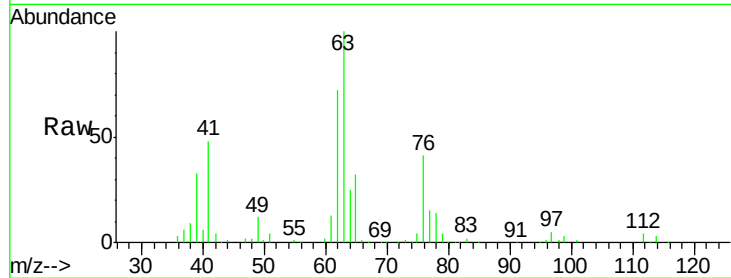




#37
 1,2-Dichloropropane
 Concen: 5.559 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

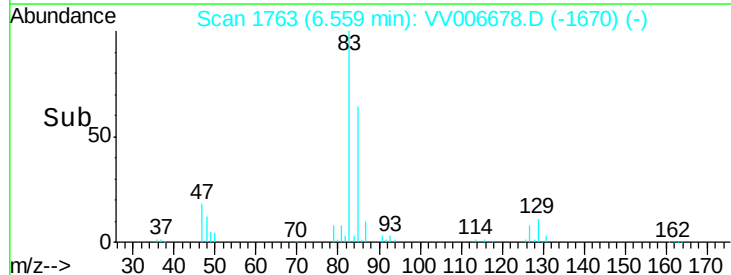
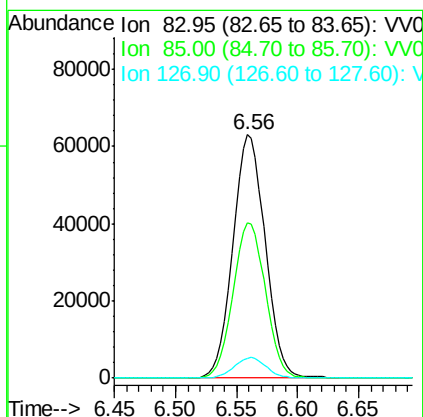
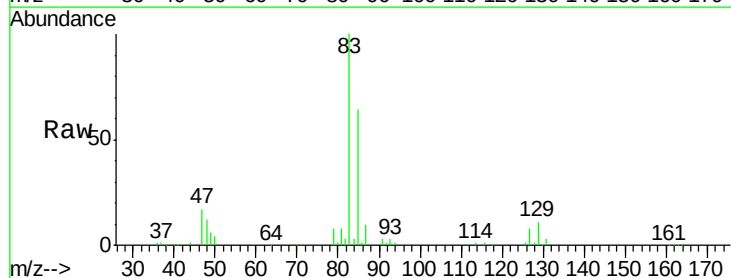
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00573

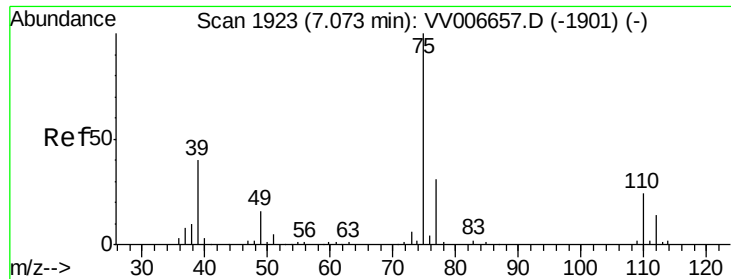
Tgt Ion: 63 Resp: 104305
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.560 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

Tgt Ion: 83 Resp: 115887
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.3 82.3
 127 8.3 6.5 9.7

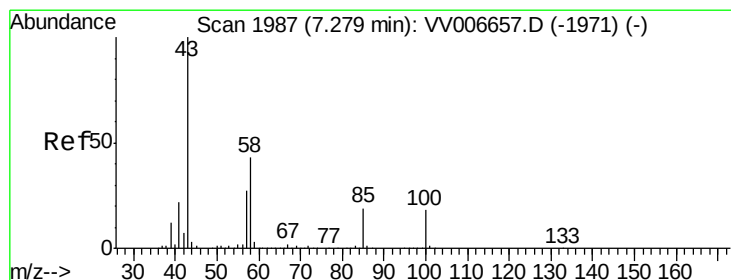
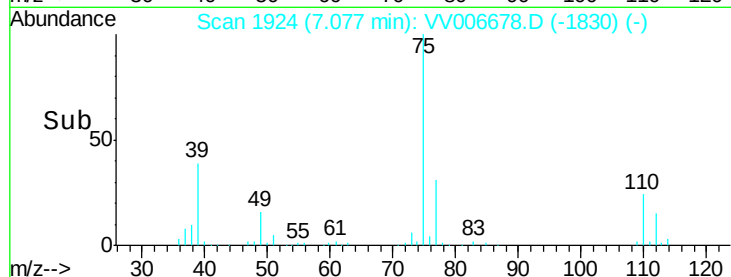
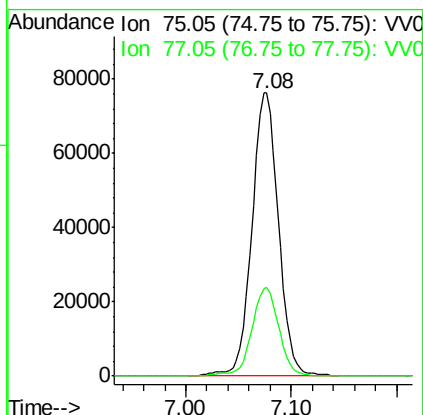
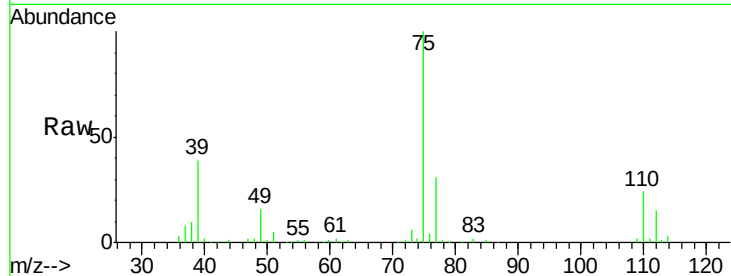




#39
 cis-1,3-Dichloropropene
 Concen: 5.449 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

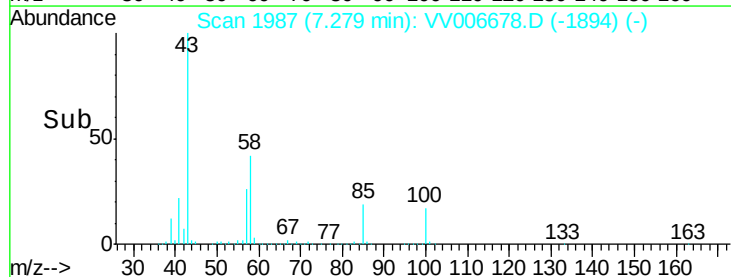
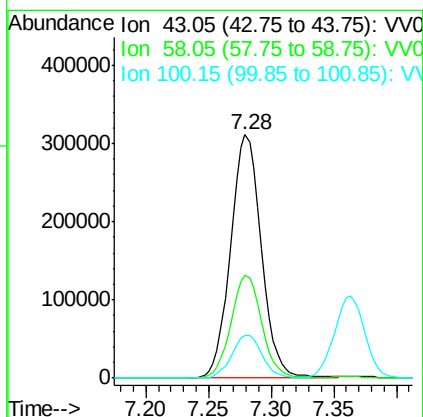
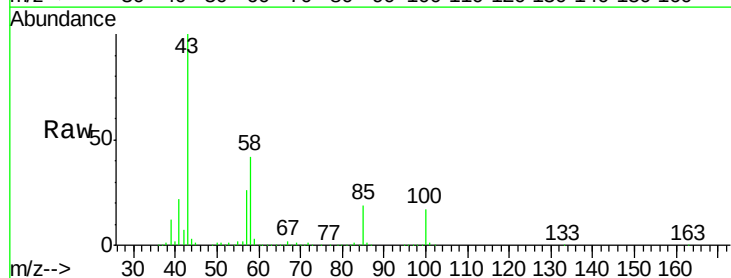
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

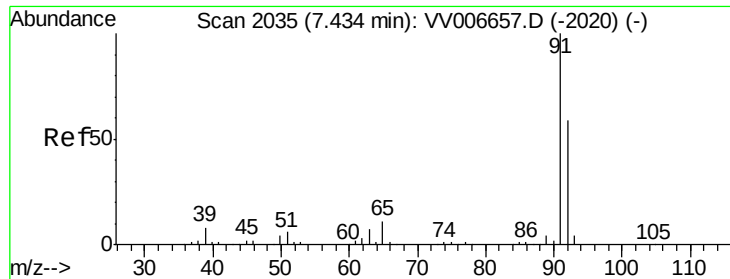
Tgt Ion: 75 Resp: 134431
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 52.285 ug/L
 RT: 7.28 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

Tgt Ion: 43 Resp: 530293
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.6 50.4
 100 17.4 13.8 20.8





#42

Toluene

Concen: 5.596 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

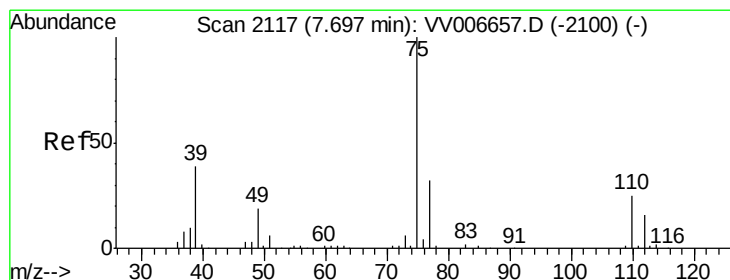
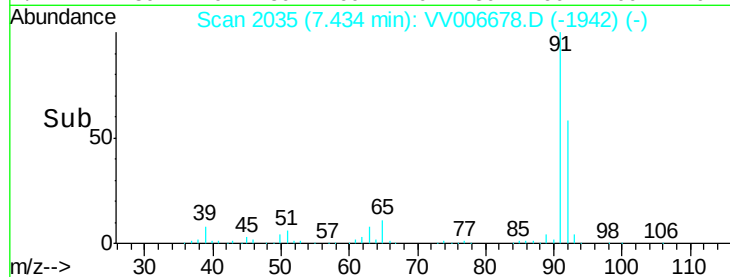
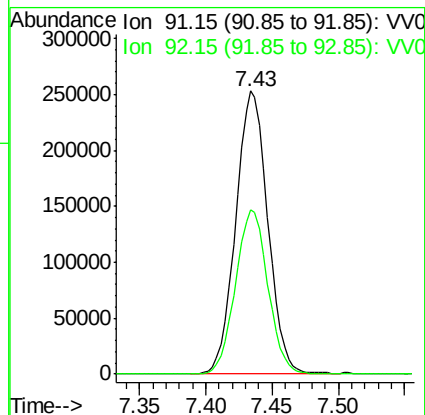
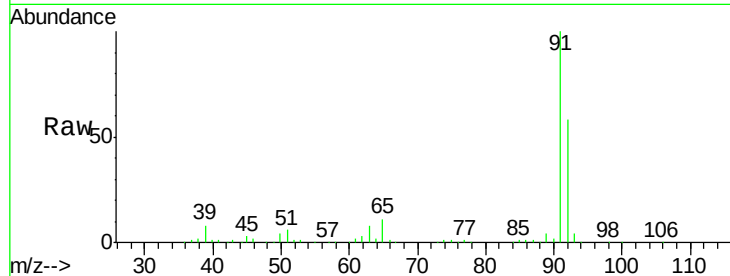
VSTD00573

Tgt Ion: 91 Resp: 425371

Ion Ratio Lower Upper

91 100

92 57.9 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 5.383 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VV006678.D

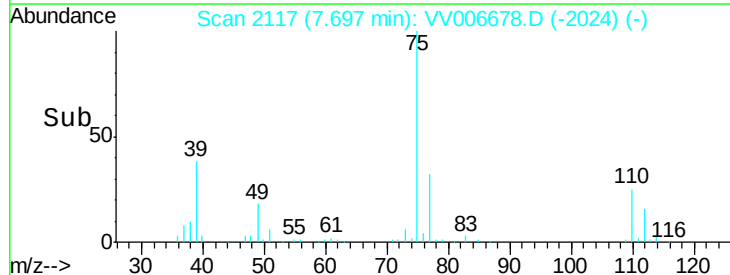
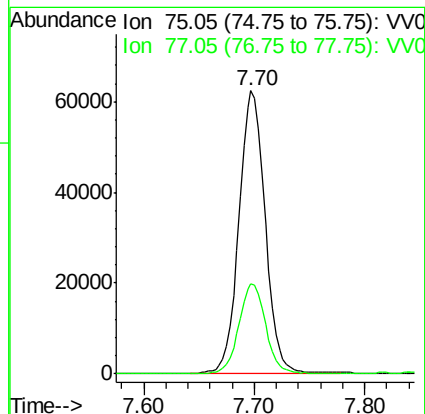
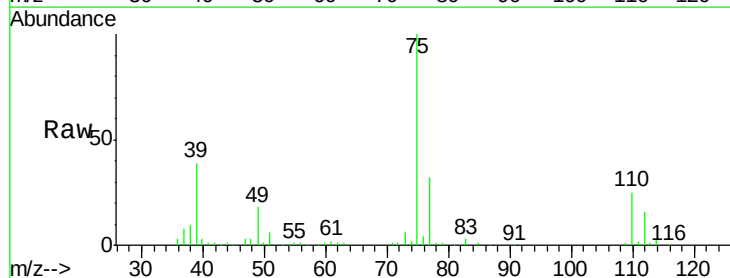
Acq: 21 Jul 2018 10:51

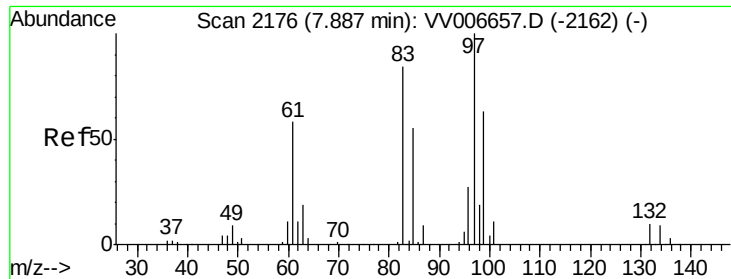
Tgt Ion: 75 Resp: 103254

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1

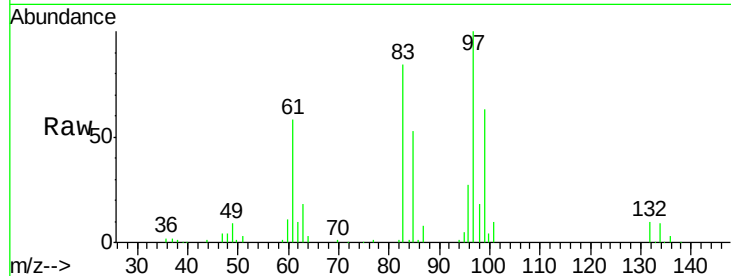




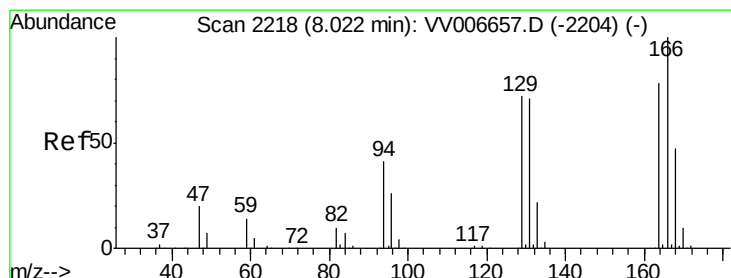
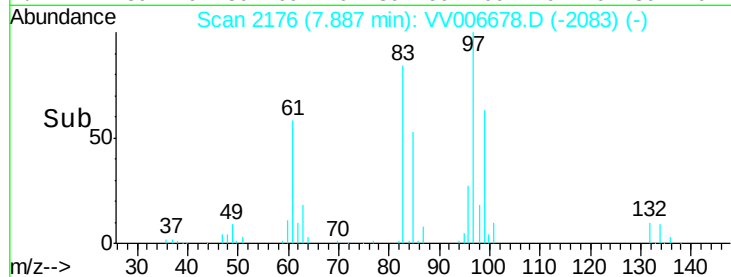
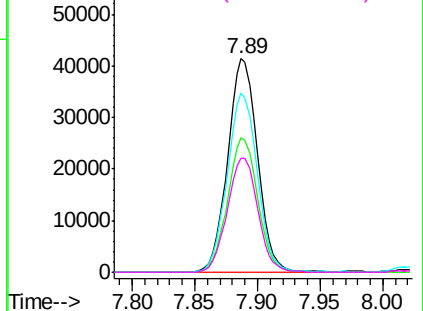
#45
 1,1,2-Trichloroethane
 Concen: 5.405 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Tgt Ion:	97	Resp:	68221
Ion	Ratio	Lower	Upper
97	100		
99	62.7	45.2	84.0
83	83.9	60.5	112.3
85	53.5	39.0	72.4

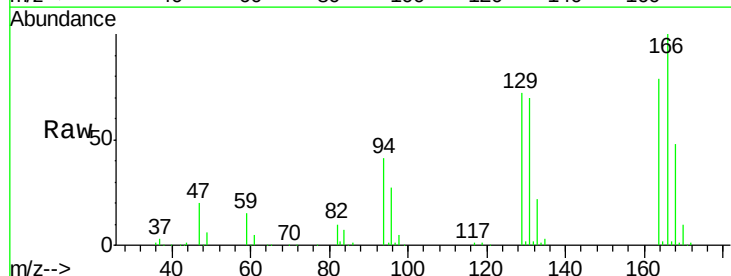


Abundance Ion 96.95 (96.65 to 97.65): VV006678.D (-2162) (-)

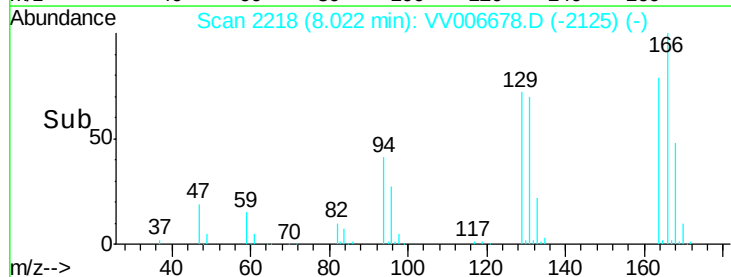
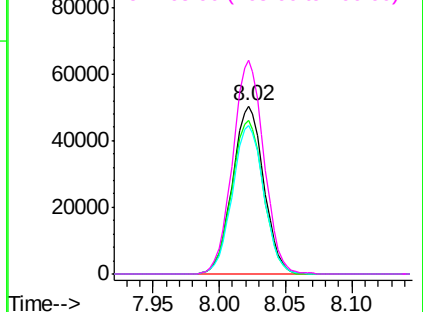


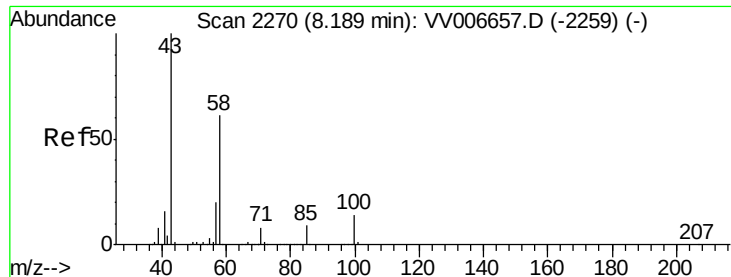
#47
 Tetrachloroethene
 Concen: 5.541 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

Tgt Ion:	164	Resp:	82826
Ion	Ratio	Lower	Upper
164	100		
129	91.4	65.9	122.5
131	88.8	62.9	116.7
166	127.1	91.4	169.8



Abundance Ion 163.90 (163.60 to 164.60): VV006678.D (-2218) (-)

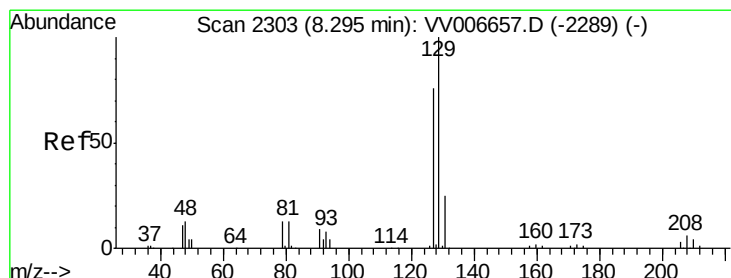
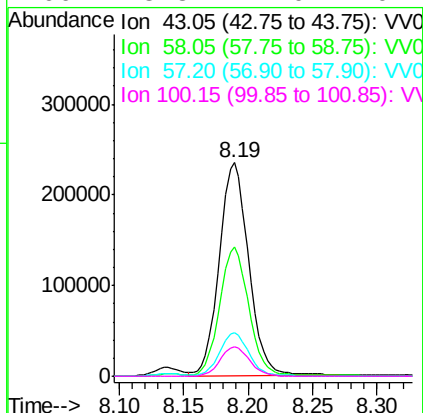
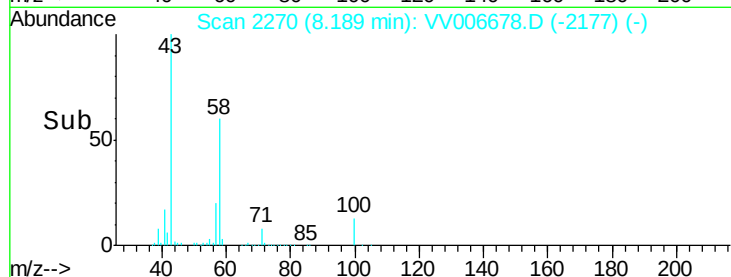
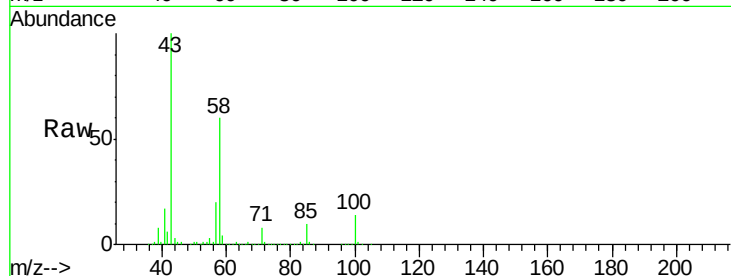




#48
2-Hexanone
Concen: 52.314 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

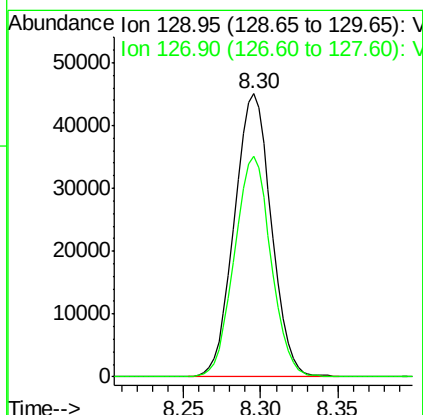
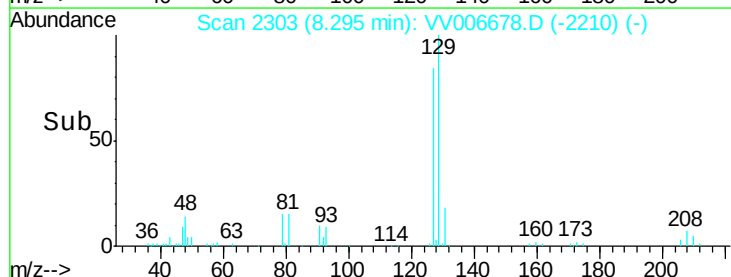
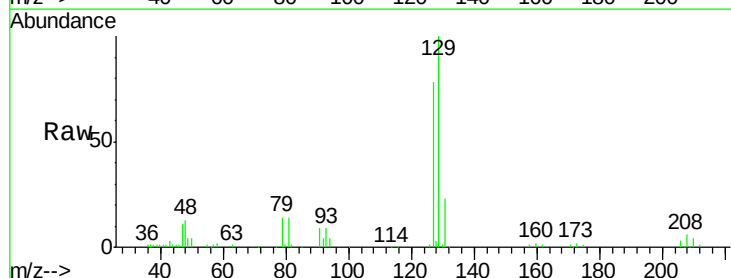
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

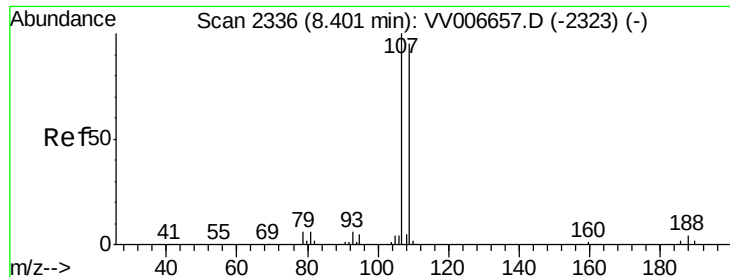
Tgt Ion:	43	Resp:	370911
Ion	Ratio	Lower	Upper
43	100		
58	60.0	48.2	72.2
57	20.8	16.2	24.4
100	13.8	11.0	16.4



#49
Dibromochloromethane
Concen: 5.586 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

Tgt Ion:	129	Resp:	74707
Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.6	99.6

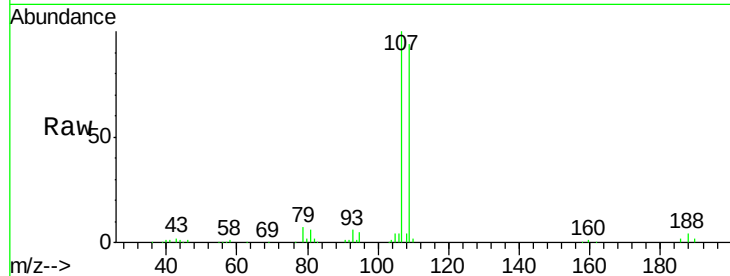




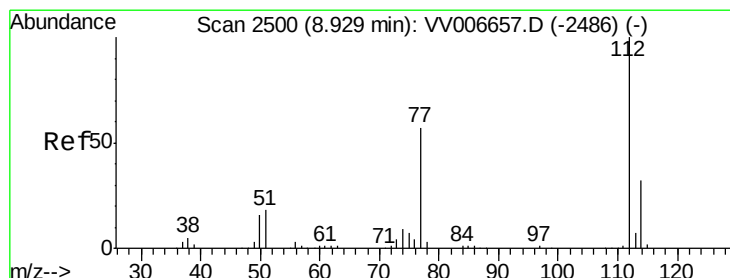
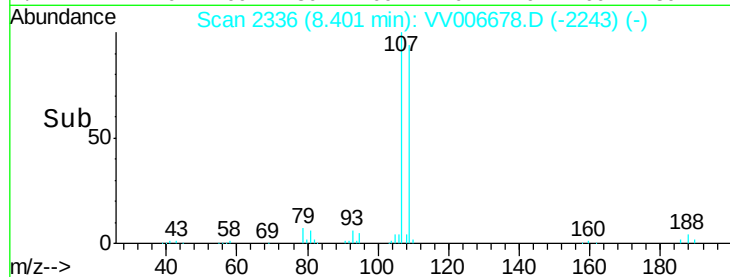
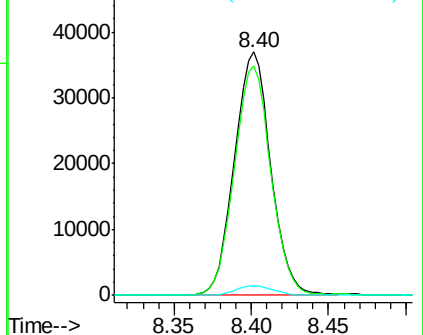
#50
1,2-Dibromoethane
Concen: 5.321 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

Tgt Ion:107 Resp: 60365
Ion Ratio Lower Upper
107 100
109 94.2 66.0 122.6
188 4.1 3.1 4.7

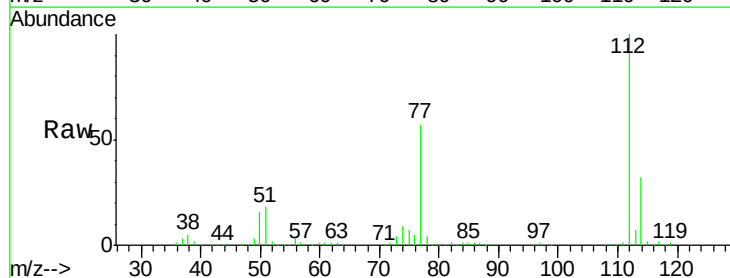


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

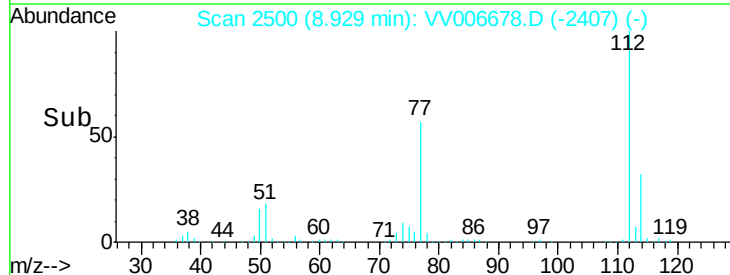
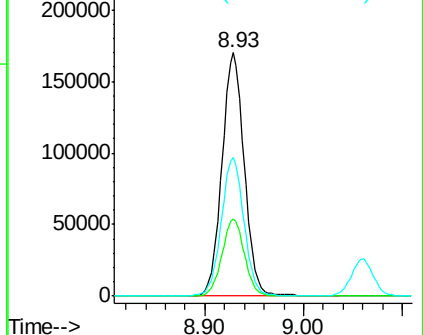


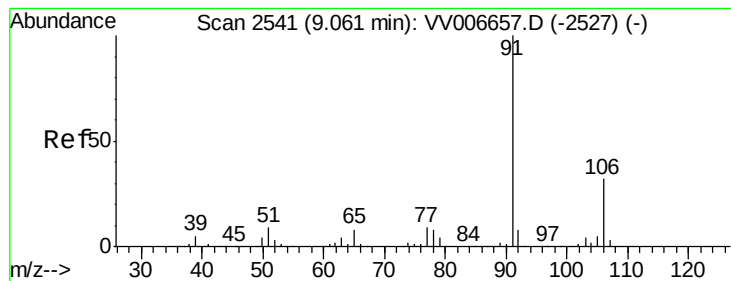
#51
Chlorobenzene
Concen: 5.490 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

Tgt Ion:112 Resp: 271205
Ion Ratio Lower Upper
112 100
114 32.0 21.8 40.4
77 57.1 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.521 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

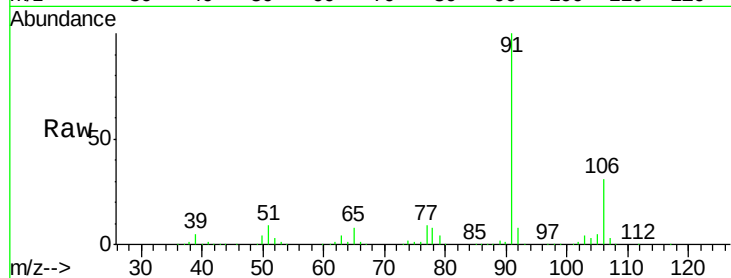
VSTD00573

Tgt Ion: 91 Resp: 450602

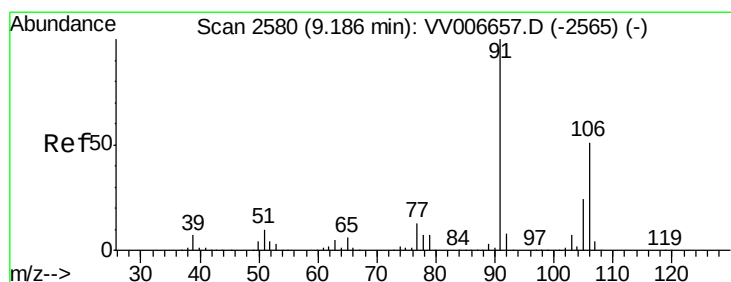
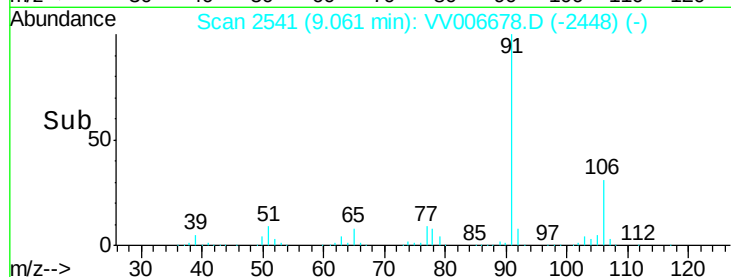
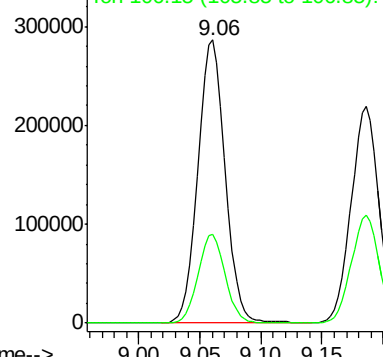
Ion Ratio Lower Upper

91 100

106 31.5 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV006678.D (-2448) (-)



#53

m,p-xylene

Concen: 5.660 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006678.D

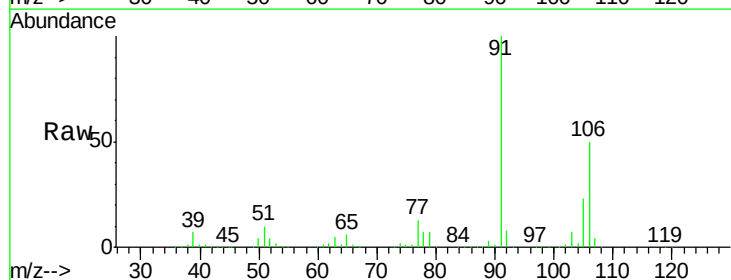
Acq: 21 Jul 2018 10:51

Tgt Ion: 106 Resp: 175651

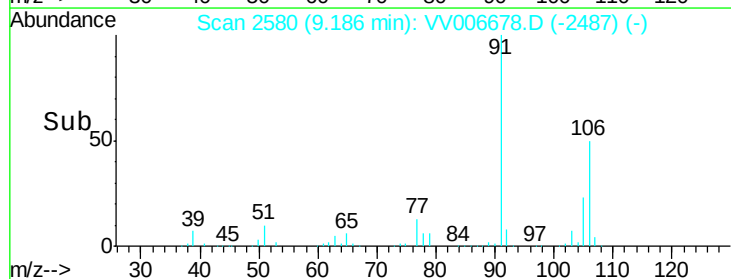
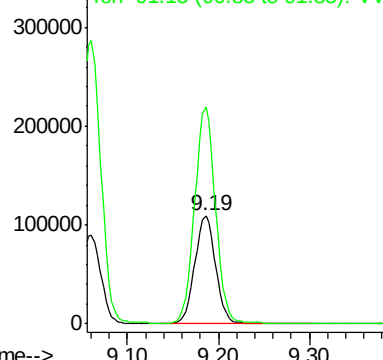
Ion Ratio Lower Upper

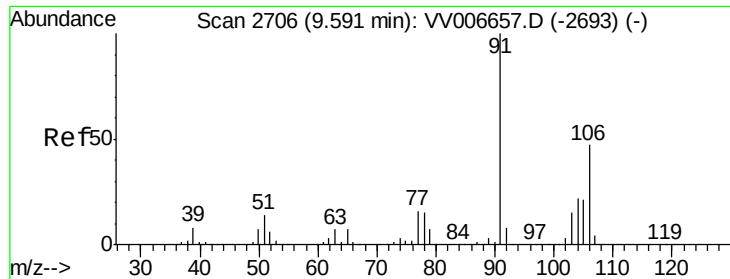
106 100

91 200.2 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006678.D (-2487) (-)

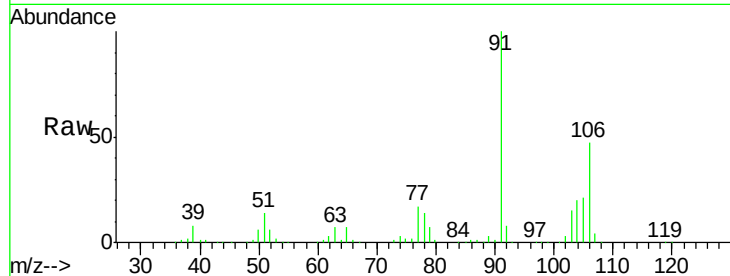




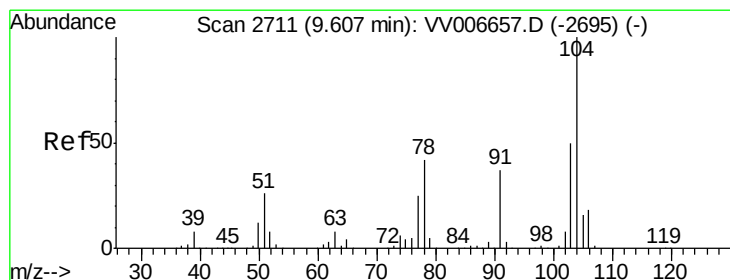
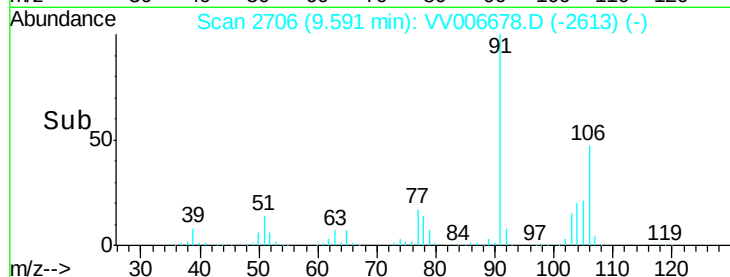
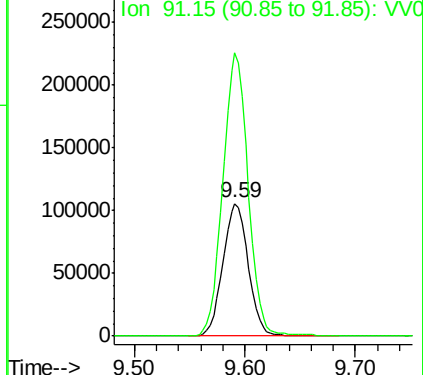
#54
o-xylene
Concen: 5.599 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

Tgt Ion:106 Resp: 169500
Ion Ratio Lower Upper
106 100
91 213.5 146.0 271.2

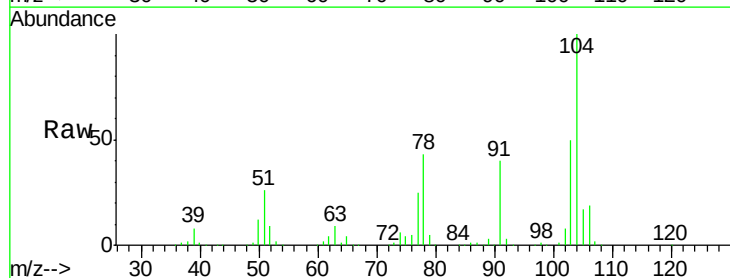


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

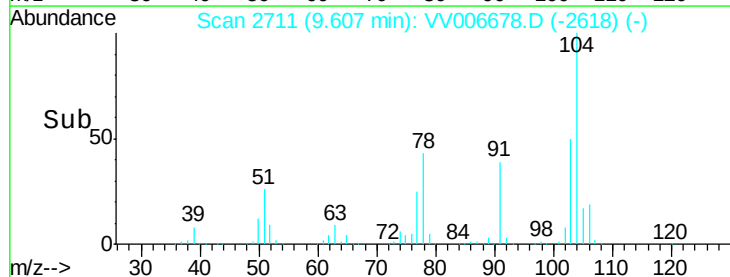
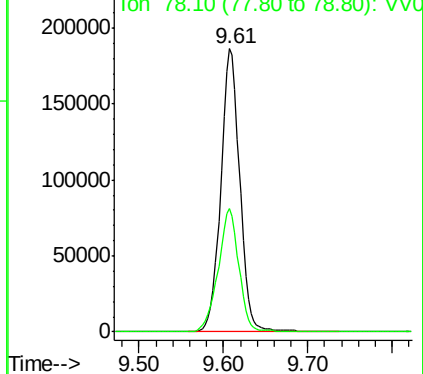


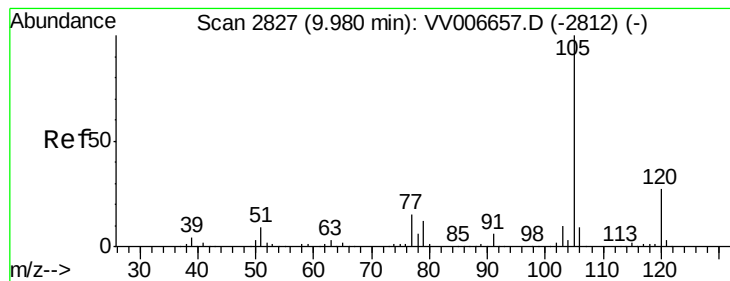
#55
Styrene
Concen: 5.767 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. 0.00 min
Lab File: VV006678.D
Acq: 21 Jul 2018 10:51

Tgt Ion:104 Resp: 292288
Ion Ratio Lower Upper
104 100
78 43.4 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: 5.637 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

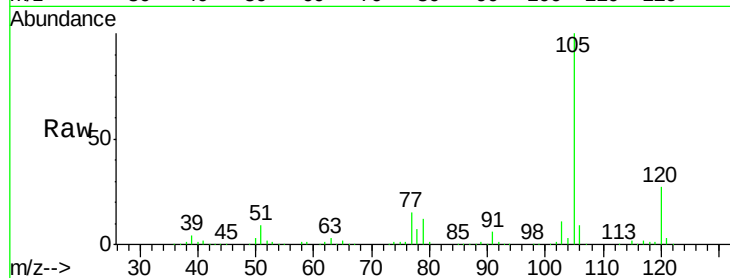
Tgt Ion: 105 Resp: 447709

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

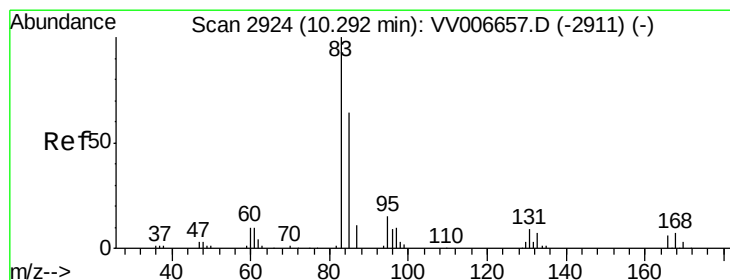
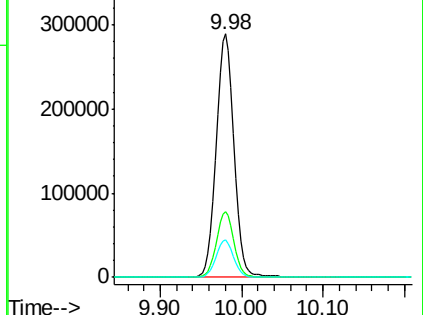
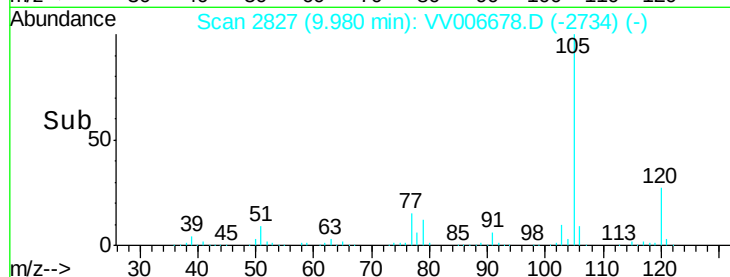
77 15.2 11.9 17.9



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: 5.418 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

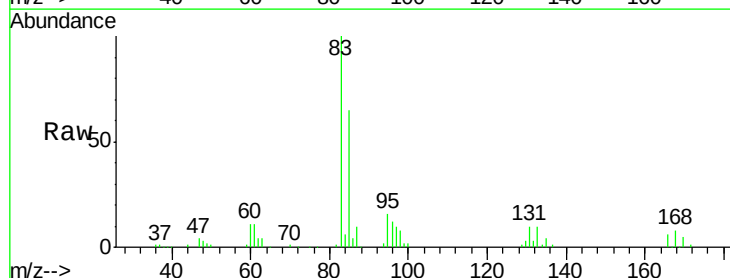
Tgt Ion: 83 Resp: 82026

Ion Ratio Lower Upper

83 100

85 65.5 44.4 82.5

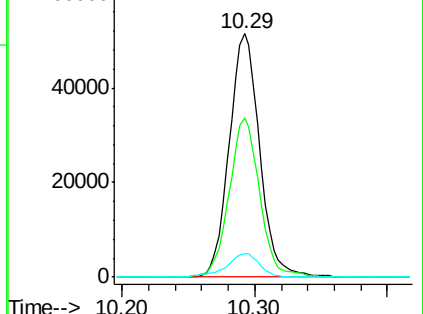
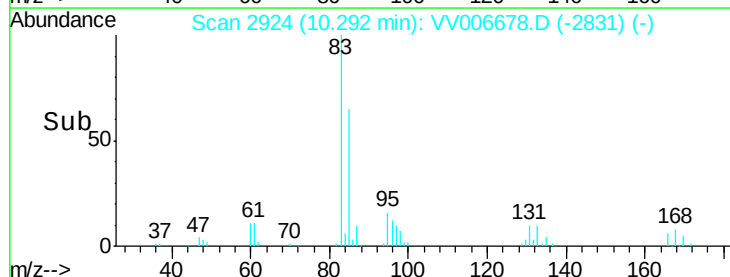
131 9.7 7.4 11.2

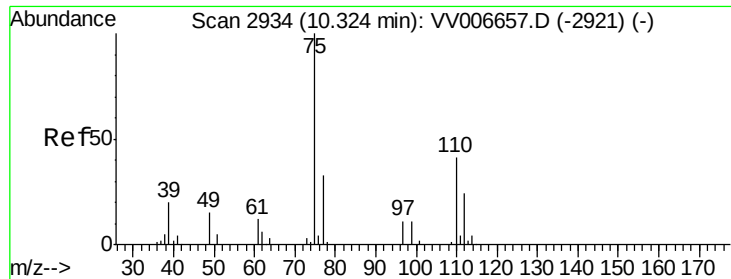


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.257 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

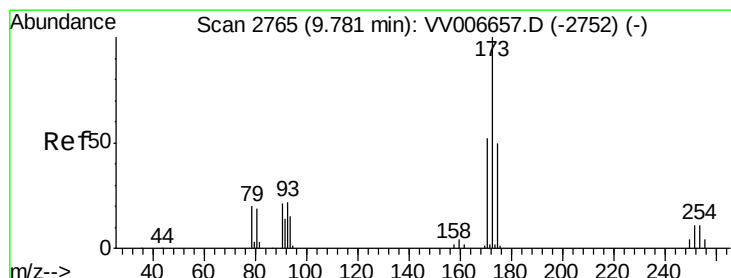
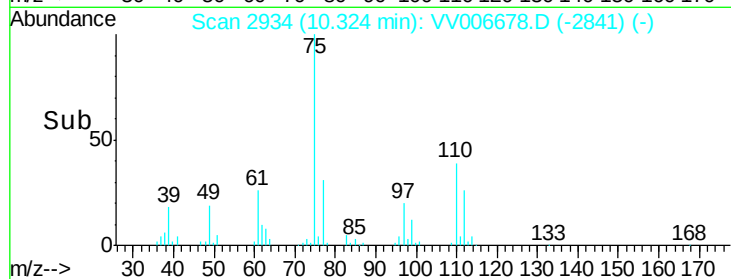
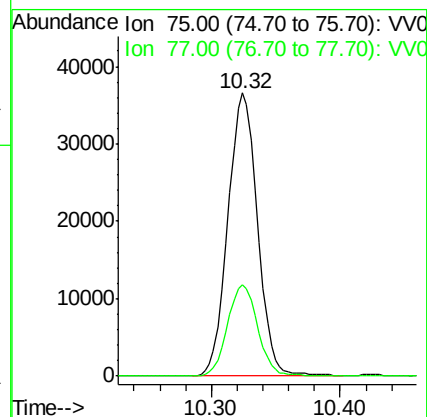
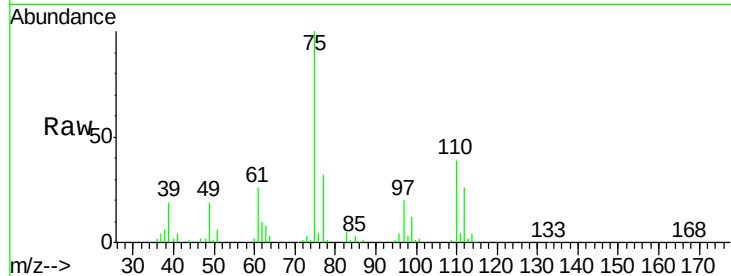
VSTD00573

Tgt Ion: 75 Resp: 58156

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.4



#61

Bromoform

Concen: 5.389 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

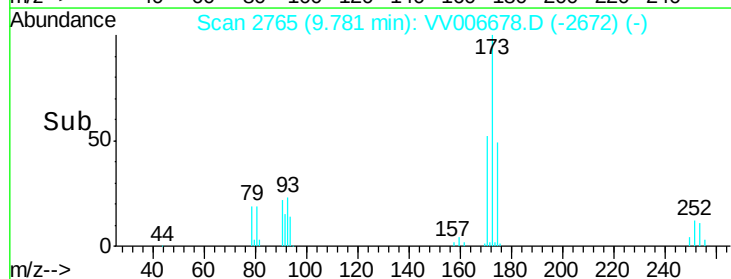
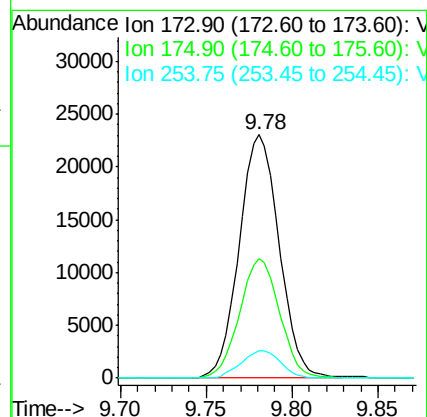
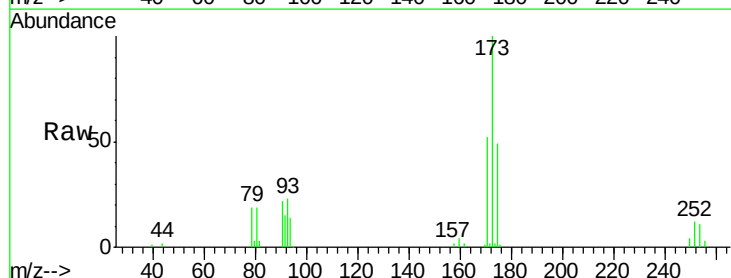
Tgt Ion: 173 Resp: 37175

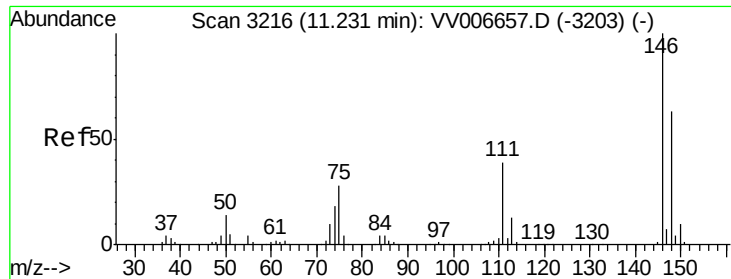
Ion Ratio Lower Upper

173 100

175 49.1 38.9 58.3

254 11.2 9.1 13.7

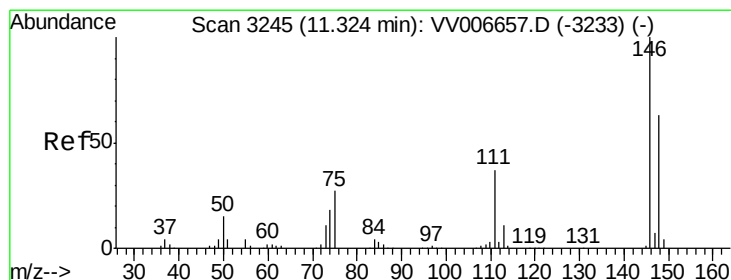
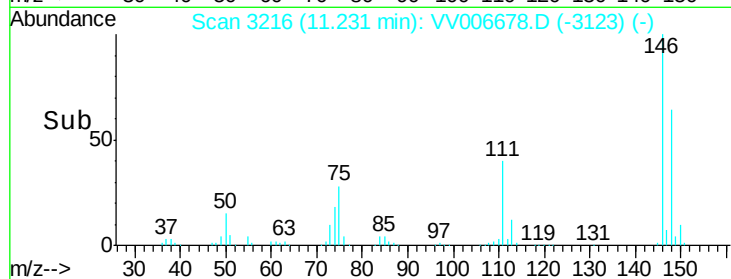
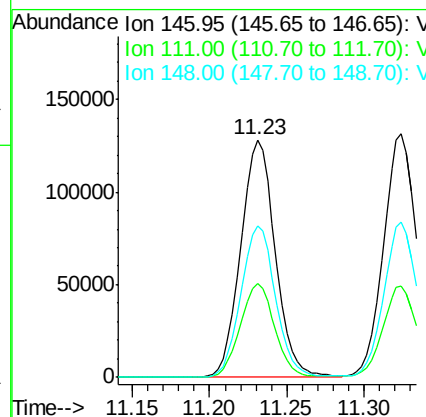
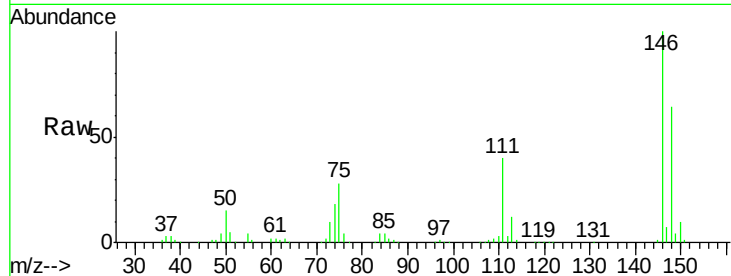




#62
 1,3-Dichlorobenzene
 Concen: 5.461 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

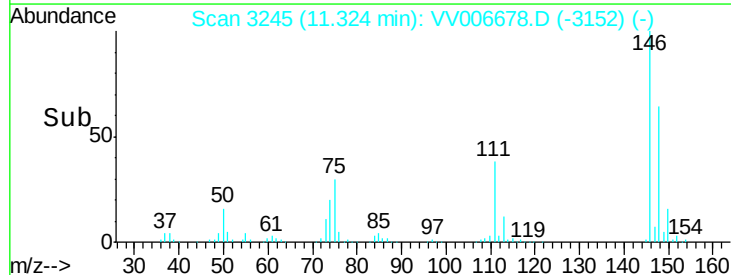
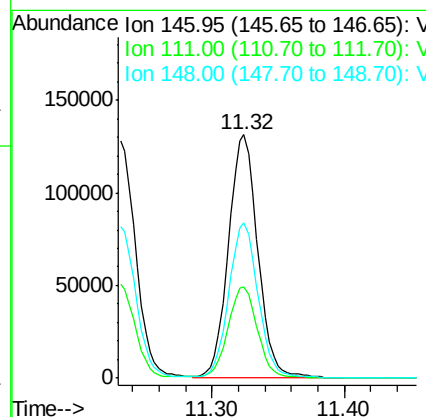
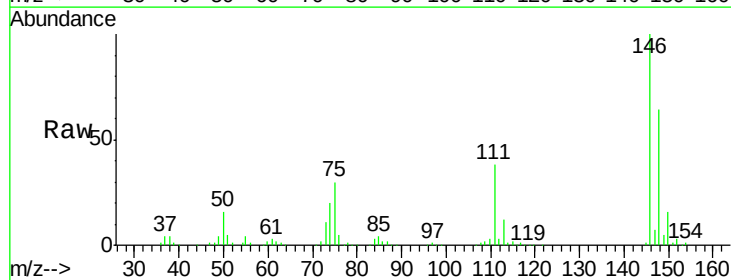
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

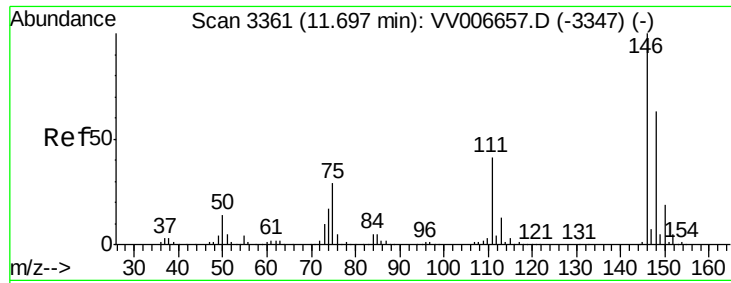
Tgt Ion:146 Resp: 198536
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.2 50.6
 148 63.8 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 5.463 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

Tgt Ion:146 Resp: 201788
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.0 48.4
 148 63.6 44.6 82.8

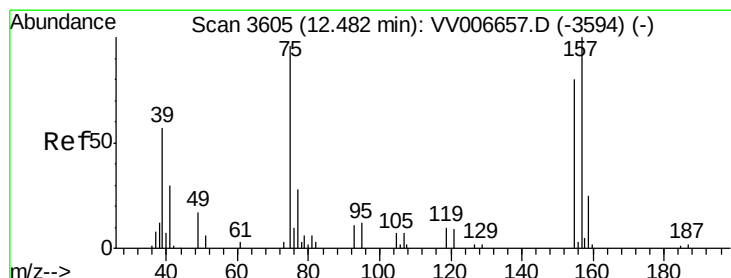
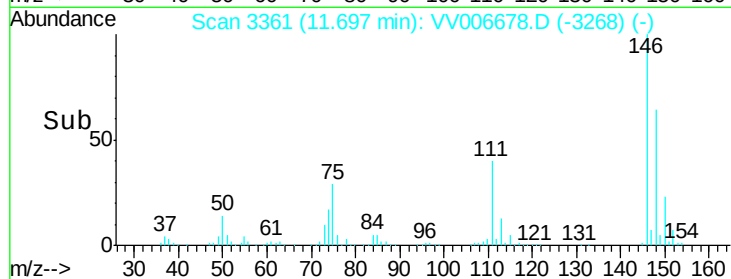
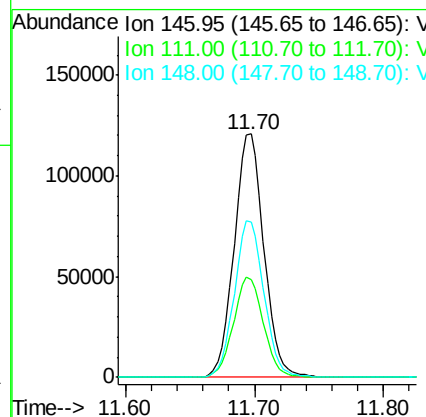
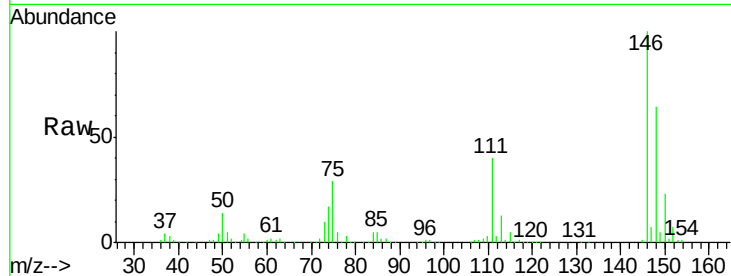




#65
 1,2-Dichlorobenzene
 Concen: 5.544 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

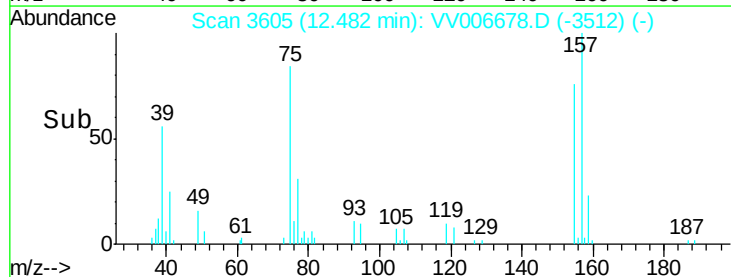
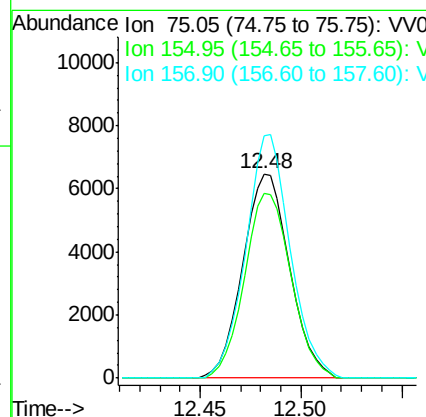
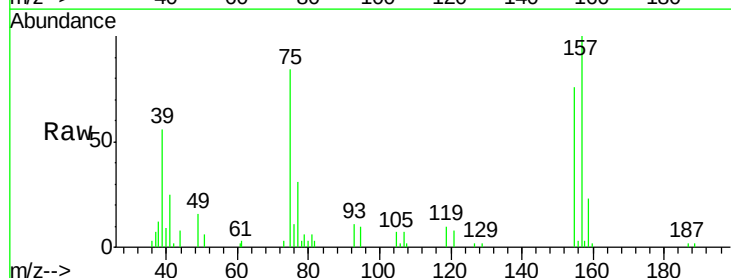
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

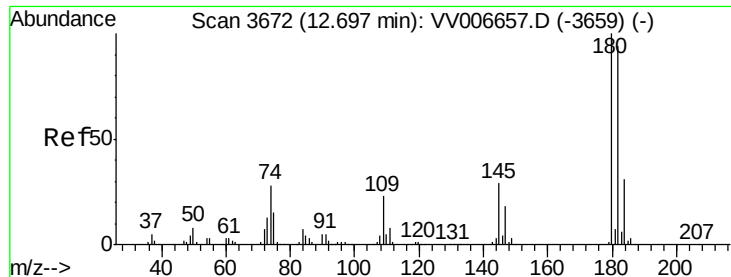
Tgt Ion: 146 Resp: 193227
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.6 49.0
 148 64.0 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.084 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

Tgt Ion: 75 Resp: 10515
 Ion Ratio Lower Upper
 75 100
 155 90.5 69.8 104.6
 157 118.7 95.0 142.6

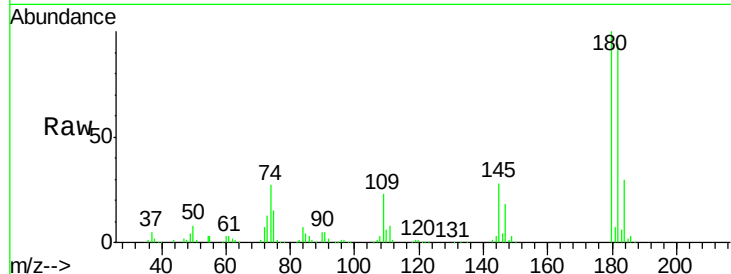




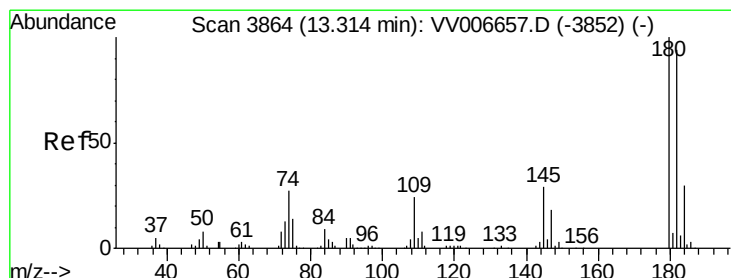
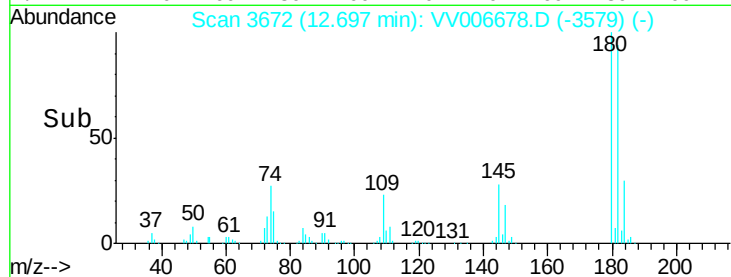
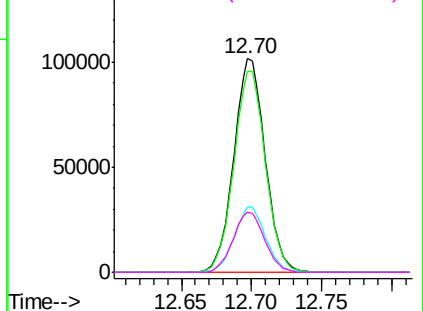
#67
 1,3,5-Trichlorobenzene
 Concen: 5.627 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Tgt Ion:	180	Resp:	158119
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.4	116.0
184	30.4	24.2	36.2
145	28.5	23.2	34.8

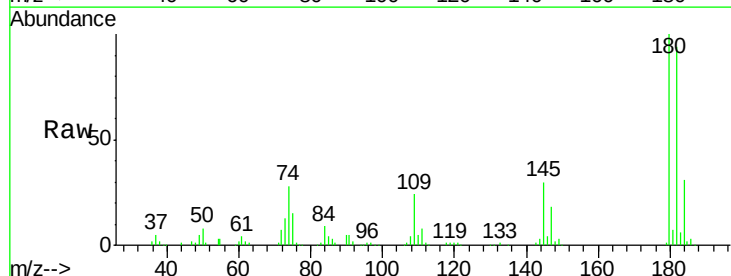


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

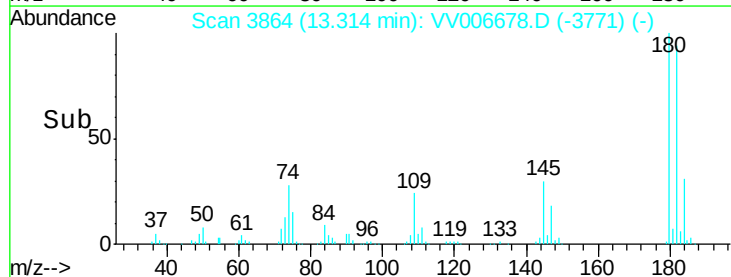
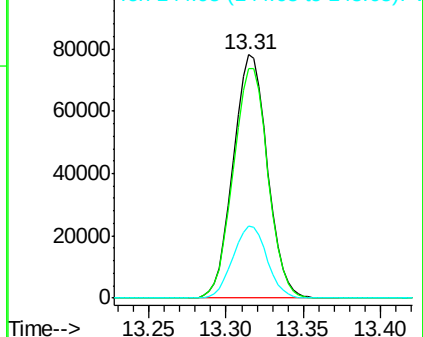


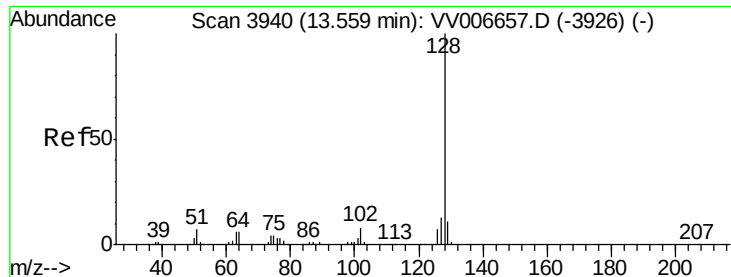
#68
 1,2,4-trichlorobenzene
 Concen: 5.377 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV006678.D
 Acq: 21 Jul 2018 10:51

Tgt Ion:	180	Resp:	119859
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.8
145	29.4	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: 4.984 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

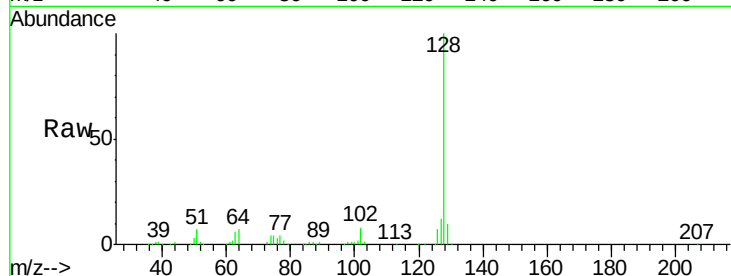
Tgt Ion:128 Resp: 192345

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

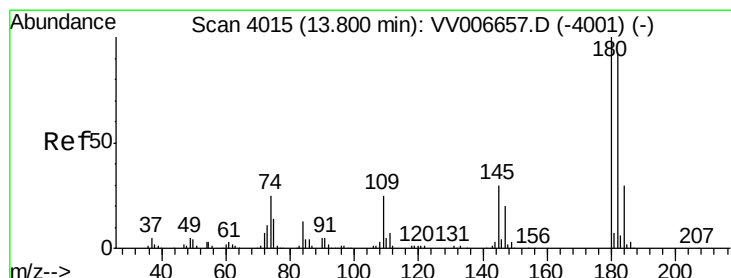
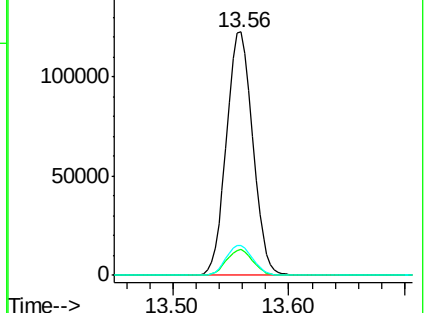
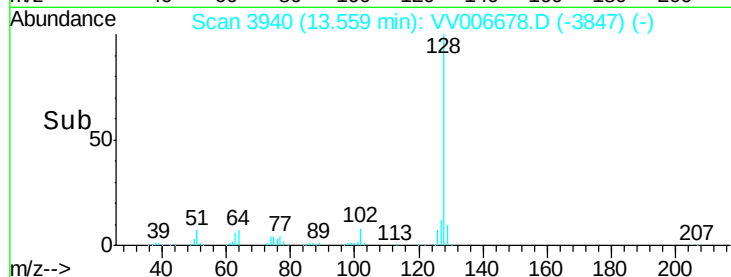
127 12.4 10.2 15.4



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: 5.367 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006678.D

Acq: 21 Jul 2018 10:51

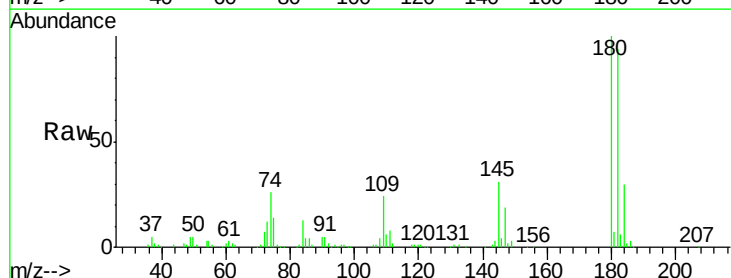
Tgt Ion:180 Resp: 112704

Ion Ratio Lower Upper

180 100

182 96.4 75.9 113.9

145 31.5 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

