

Data File : VV011978.D
Acq On : 23 Jul 2019 21:16
Operator : SY/MD
Sample : K3823-19
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52J8

Quant Time: Jul 24 05:58:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	134098	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	128049	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	65469	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35124	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.59	69	28964	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.13	63	58980	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.00%
20) 2-Butanone-d5	3.94	46	99880	49.03	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.06%
24) Chloroform-d	4.40	84	87136	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.08	65	48740	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.10	84	184616	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.12	67	52834	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.36	98	167663	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.67	79	19513	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.13	63	81016	48.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35485	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	68164	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

					Qvalue
3) Chloromethane	1.26	50	1158	0.144 ug/L	96
5) Vinyl chloride	1.33	62	1334	0.162 ug/L #	14
12) 1,1-Dichloroethene	2.14	96	6825	1.118 ug/L #	2
13) Acetone	2.19	43	12577	11.453 ug/L	99
15) Methyl Acetate	2.46	43	426	0.178 ug/L #	45
19) 1,1-Dichloroethane	3.23	63	323640	19.279 ug/L	98
21) 2-Butanone	4.04	43	4143	1.967 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	42781	4.188 ug/L	96
25) Chloroform	4.43	83	7232	0.357 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	105925	6.463 ug/L	98
31) Carbon tetrachloride	4.66	117	13582	0.921 ug/L	99
34) Trichloroethene	5.96	95	8943	0.855 ug/L	95
35) Methylcyclohexane	6.12	83	13949	0.857 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6661	0.736 ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1580	0.118 ug/L #	71
48) 2-Hexanone	8.13	43	10582	2.981 ug/L #	72
63) 1,4-Dichlorobenzene	11.32	146	2793	0.127 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072319\
Quantitation Report (Not Reviewed)

Data File : VV011978.D
Acq On : 23 Jul 2019 21:16
Operator : SY/MD
Sample : K3823-19
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52J8

Quant Time: Jul 24 05:58:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

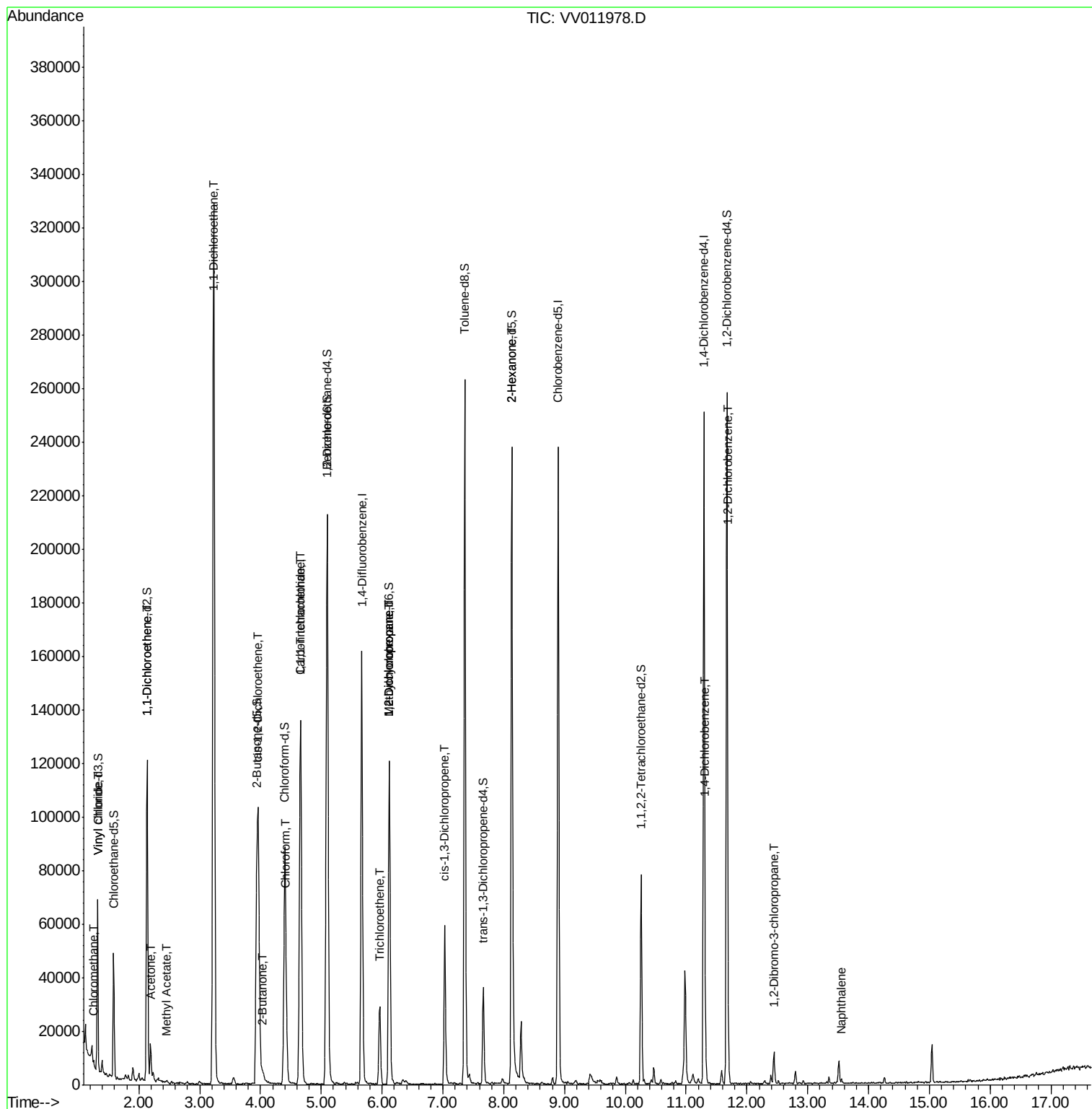
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.69	146	4370	0.222	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.44	75	2088	1.823	ug/L #	1
69) Naphthalene	13.55	128	1459	0.067	ug/L #	86

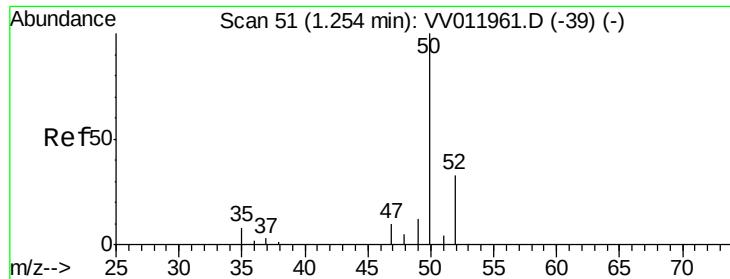
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV011978.D
Acq On : 23 Jul 2019 21:16
Operator : SY/MD
Sample : K3823-19
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52J8

Quant Time: Jul 24 05:58:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.144 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV011978.D

Acq: 23 Jul 2019 21:16

Instrument :

MSVOA_V

ClientSampleId :

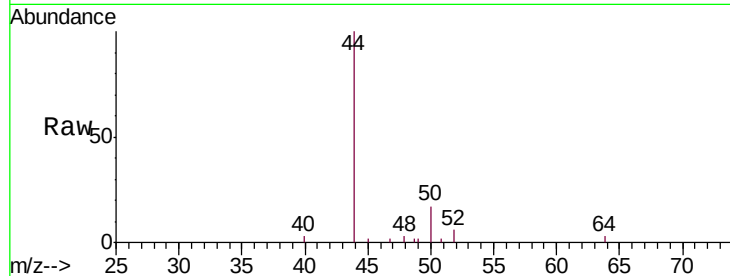
A52J8

Tgt Ion: 50 Resp: 1158

Ion Ratio Lower Upper

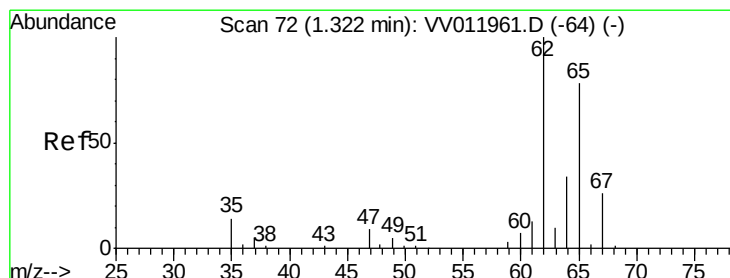
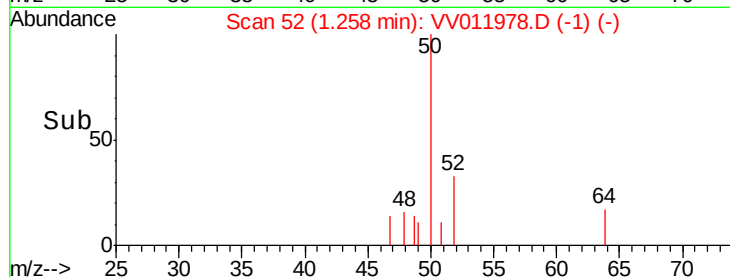
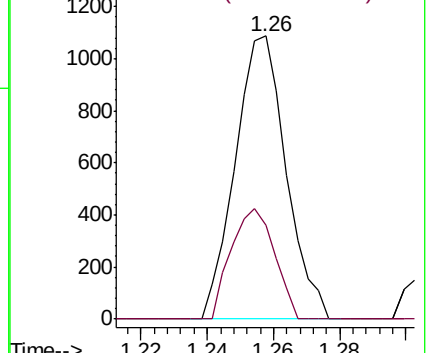
50 100

52 33.3 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.162 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011978.D

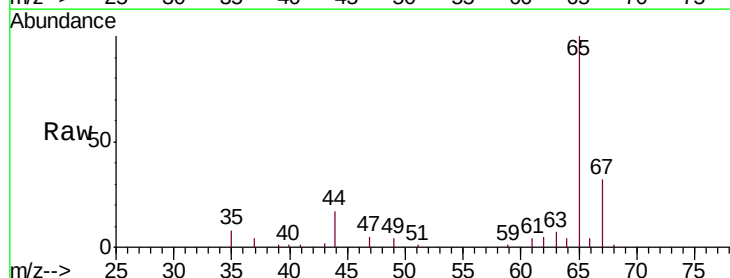
Acq: 23 Jul 2019 21:16

Tgt Ion: 62 Resp: 1334

Ion Ratio Lower Upper

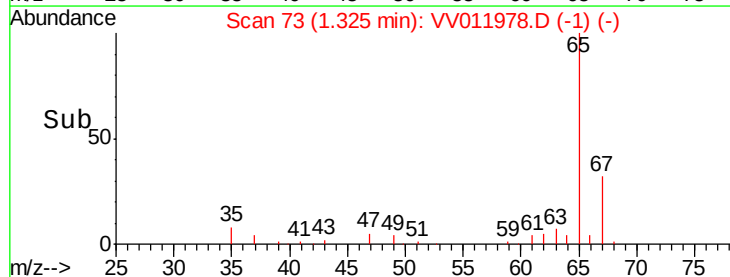
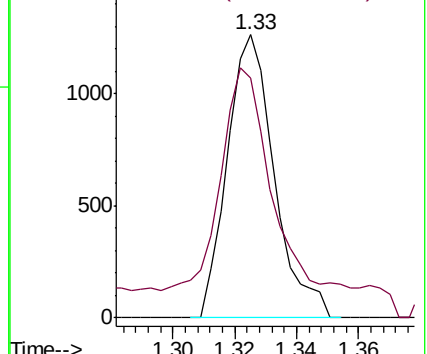
62 100

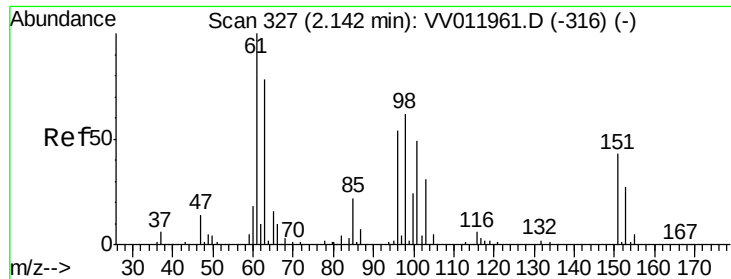
64 84.7 24.3 45.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

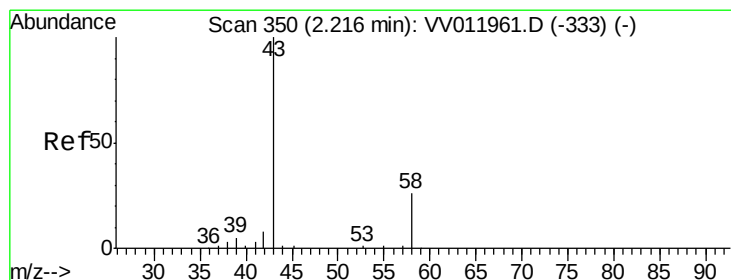
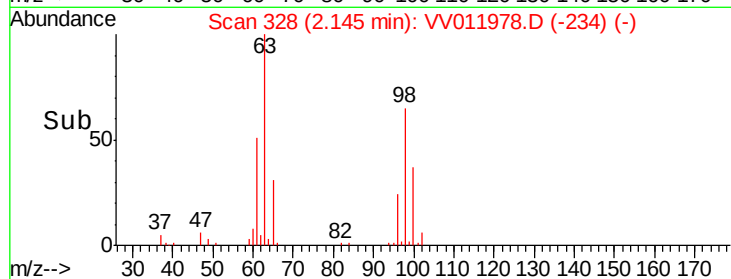
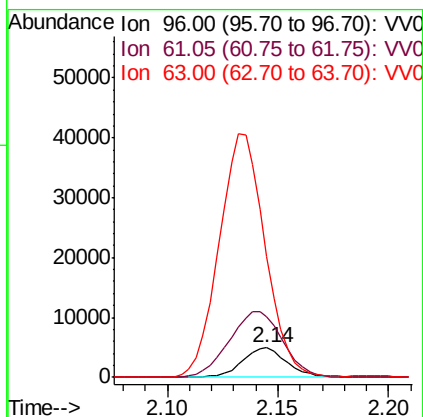
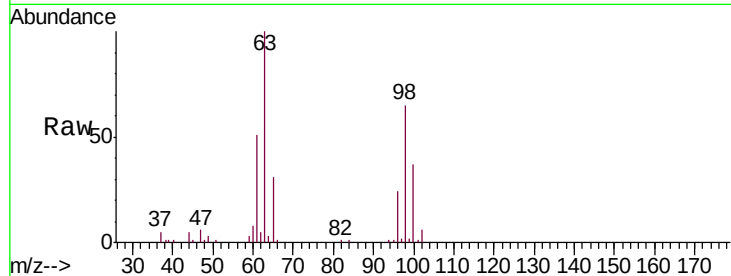




#12
 1,1-Dichloroethene
 Concen: 1.118 ug/L
 RT: 2.14 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VV011978.D
 Acq: 23 Jul 2019 21:16

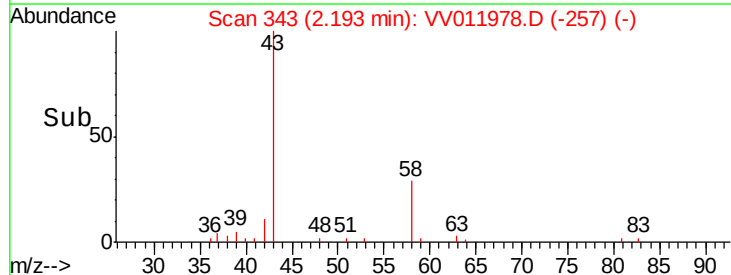
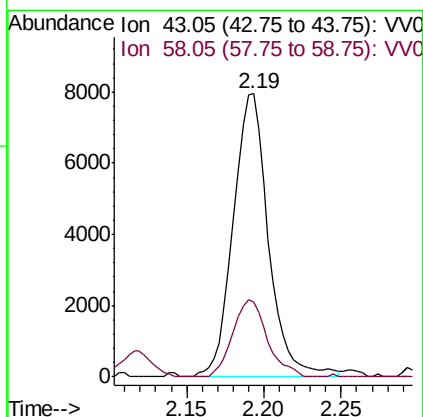
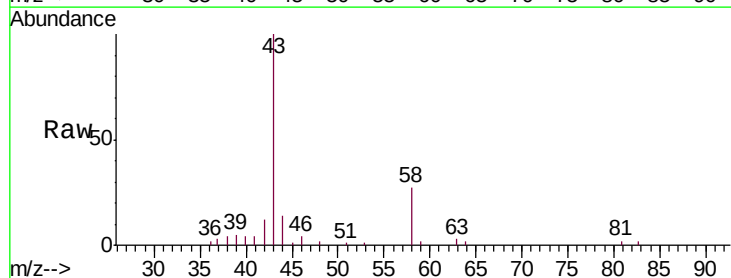
Instrument :
 MSVOA_V
 ClientSampleId :
 A52J8

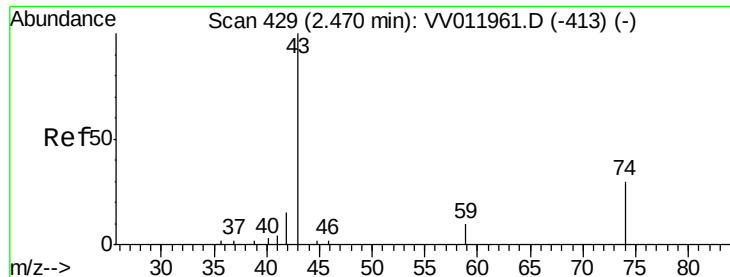
Tgt Ion: 96 Resp: 6825
 Ion Ratio Lower Upper
 96 100
 61 207.9 132.7 246.5
 63 410.9 104.0 193.1#



#13
 Acetone
 Concen: 11.453 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. -0.02 min
 Lab File: VV011978.D
 Acq: 23 Jul 2019 21:16

Tgt Ion: 43 Resp: 12577
 Ion Ratio Lower Upper
 43 100
 58 26.6 0.0 51.8

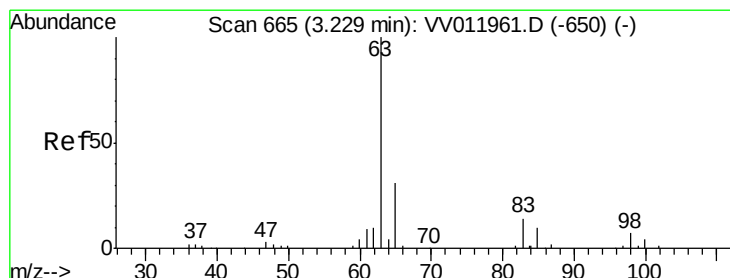
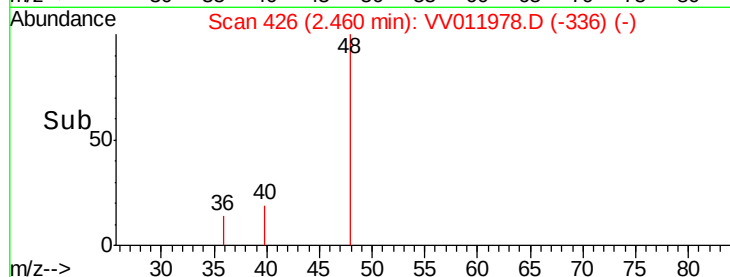
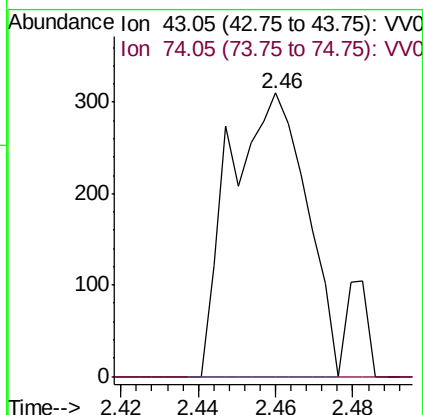
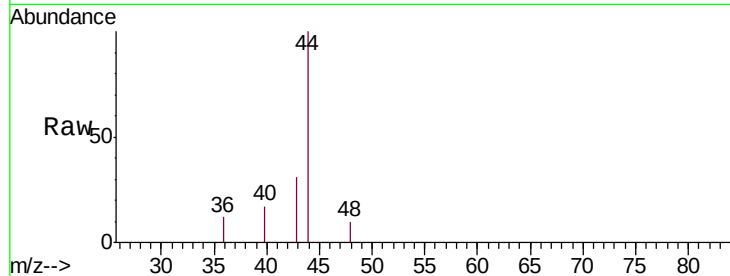




#15
Methyl Acetate
Concen: 0.178 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.01 min
Lab File: VV011978.D
Acq: 23 Jul 2019 21:16

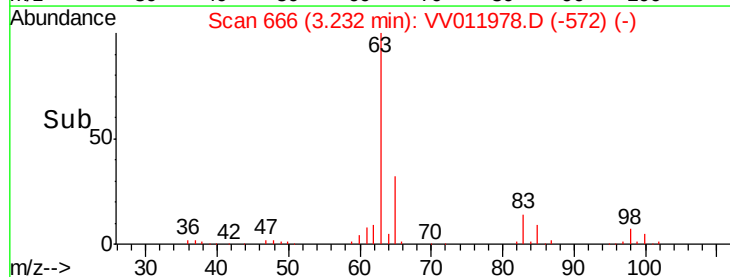
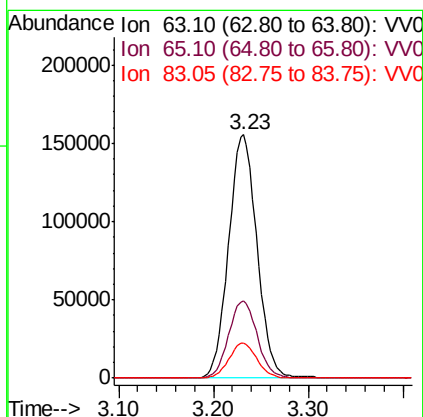
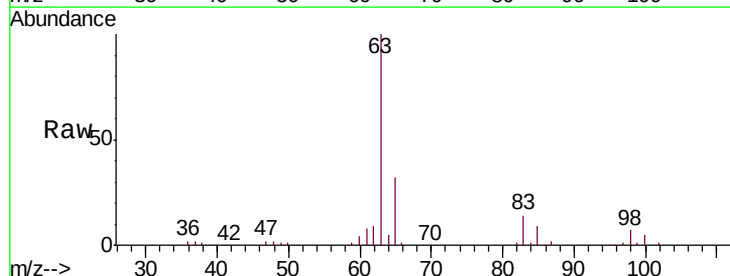
Instrument :
MSVOA_V
ClientSampled :
A52J8

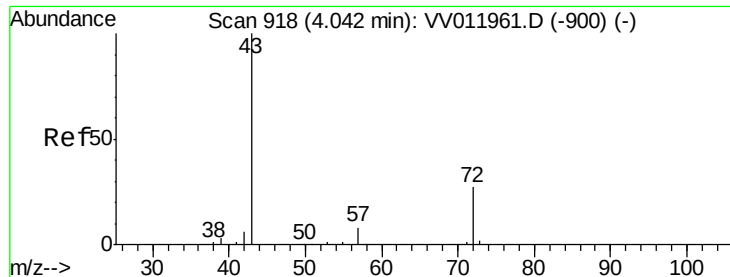
Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
74 0.0 23.4 35.2#



#19
1,1-Dichloroethane
Concen: 19.279 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV011978.D
Acq: 23 Jul 2019 21:16

Tgt Ion: 63 Resp: 323640
Ion Ratio Lower Upper
63 100
65 31.8 23.5 43.7
83 14.2 9.7 18.1





#21

2-Butanone

Concen: 1.967 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.01 min

Lab File: VV011978.D

Acq: 23 Jul 2019 21:16

Instrument :

MSVOA_V

ClientSampleId :

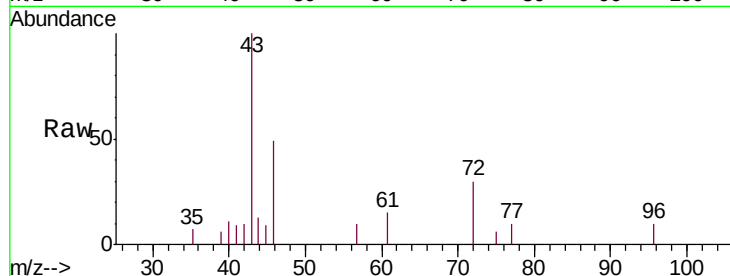
A52J8

Tgt Ion: 43 Resp: 4143

Ion Ratio Lower Upper

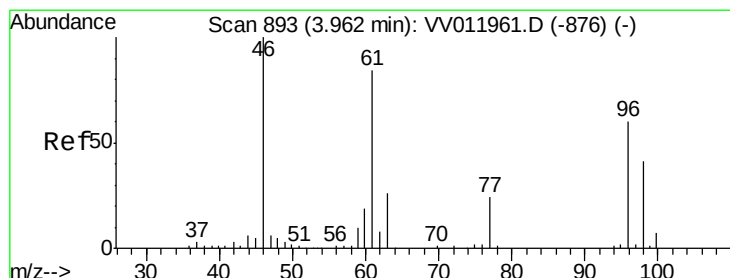
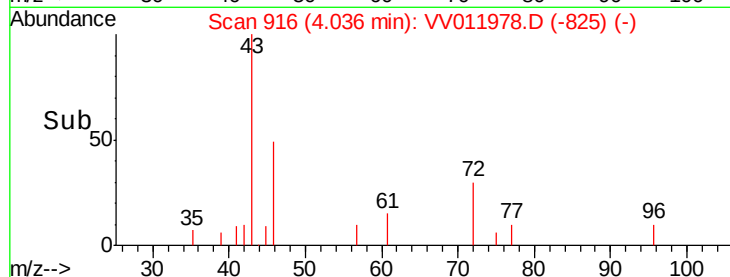
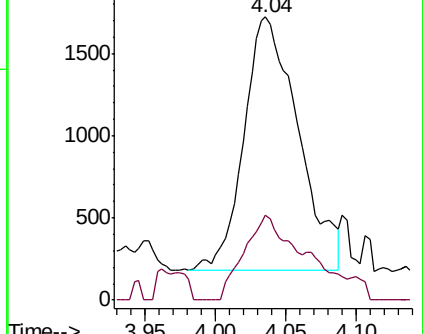
43 100

72 28.1 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 4.188 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV011978.D

Acq: 23 Jul 2019 21:16

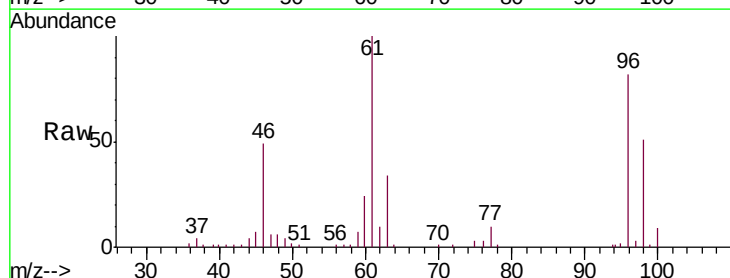
Tgt Ion: 96 Resp: 42781

Ion Ratio Lower Upper

96 100

61 122.4 89.0 165.2

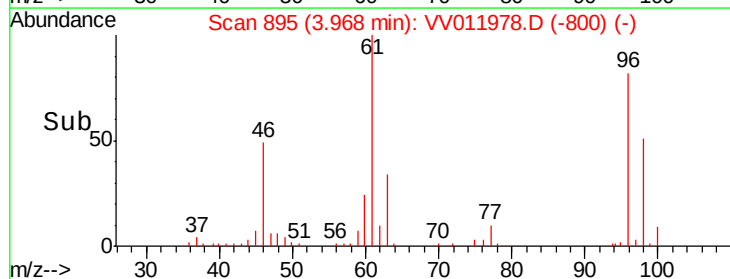
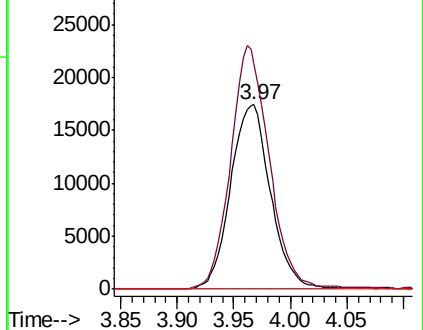
68 0.0 0.0 0.0

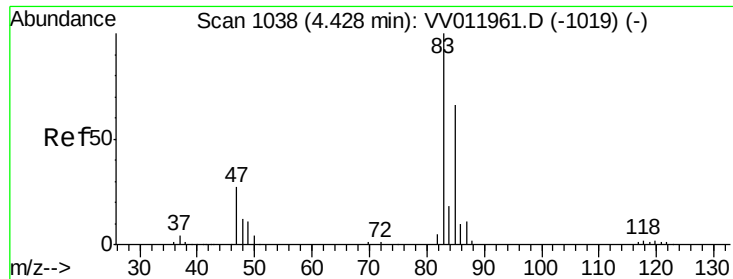


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

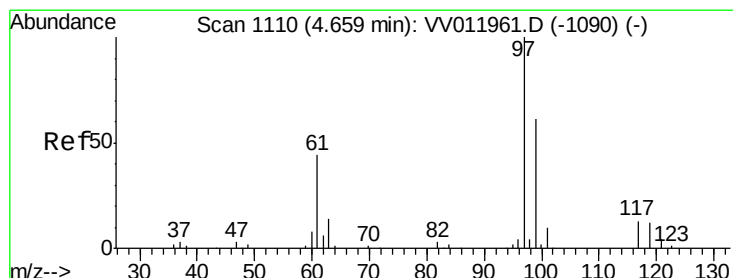
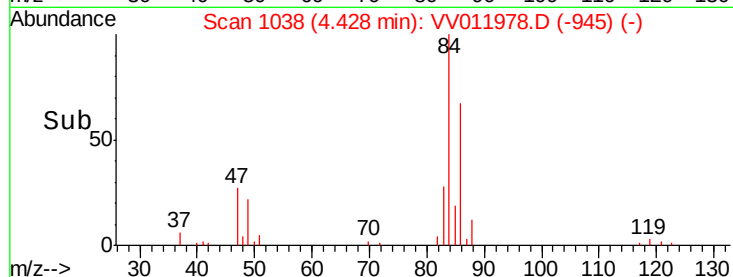
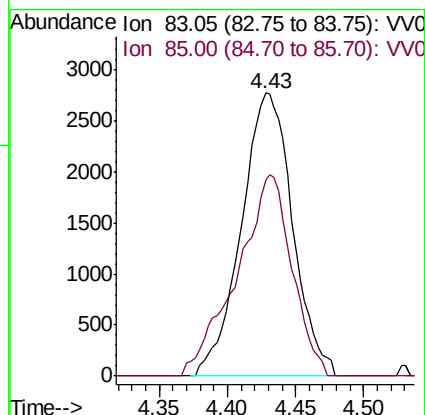
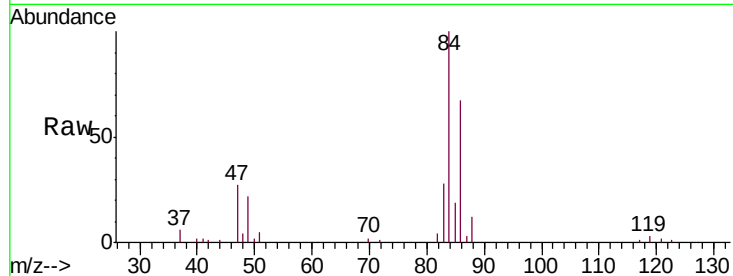




#25
Chloroform
Concen: 0.357 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011978.D
Acq: 23 Jul 2019 21:16

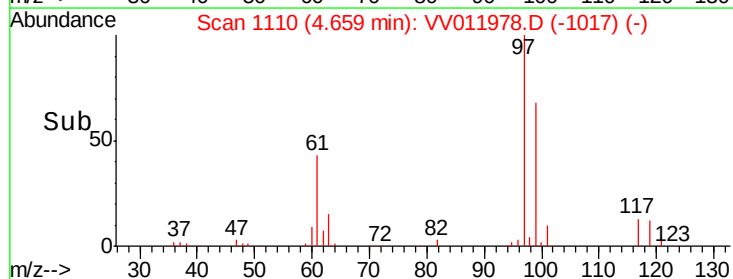
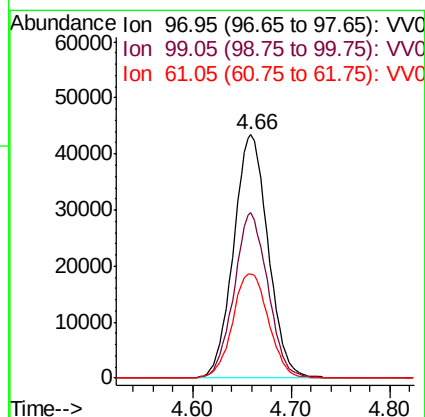
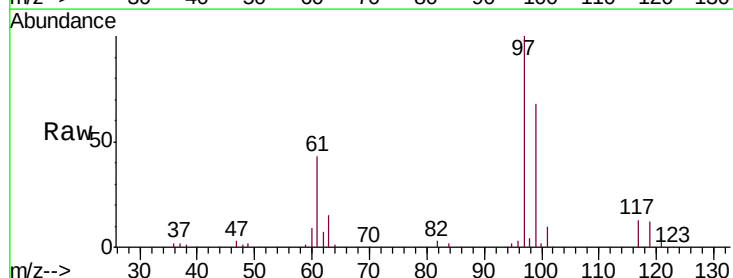
Instrument :
MSVOA_V
ClientSampleId :
A52J8

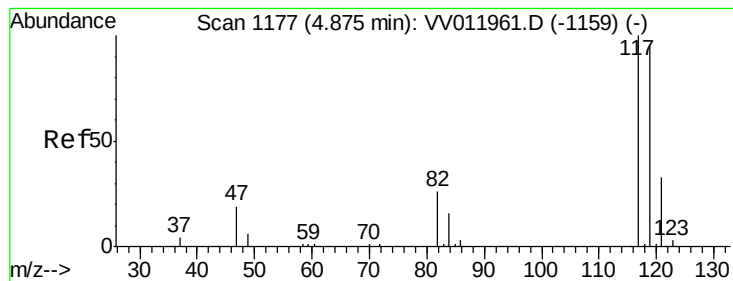
Tgt Ion: 83 Resp: 7232
Ion Ratio Lower Upper
83 100
85 69.2 46.5 86.3



#29
1,1,1-Trichloroethane
Concen: 6.463 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011978.D
Acq: 23 Jul 2019 21:16

Tgt Ion: 97 Resp: 105925
Ion Ratio Lower Upper
97 100
99 66.5 51.7 77.5
61 44.8 35.1 52.7





#31

Carbon tetrachloride

Concen: 0.921 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.22 min

Lab File: VV011978.D

Acq: 23 Jul 2019 21:16

Instrument :

MSVOA_V

ClientSampled :

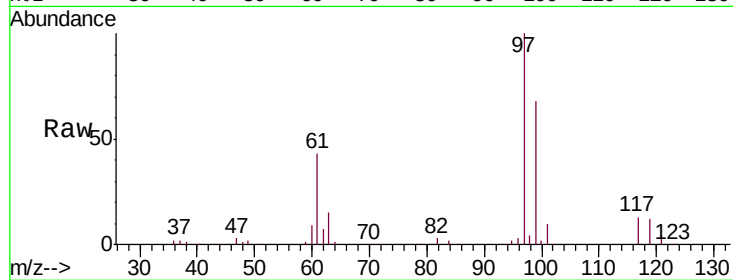
A52J8

Tgt Ion: 117 Resp: 13582

Ion Ratio Lower Upper

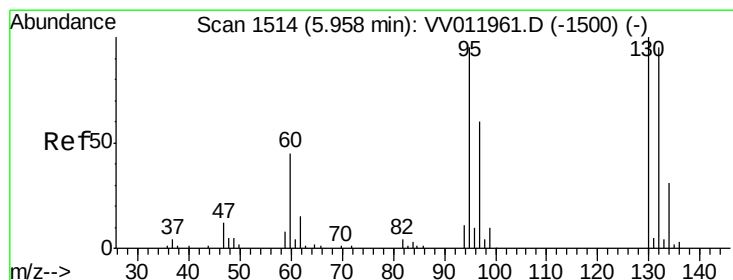
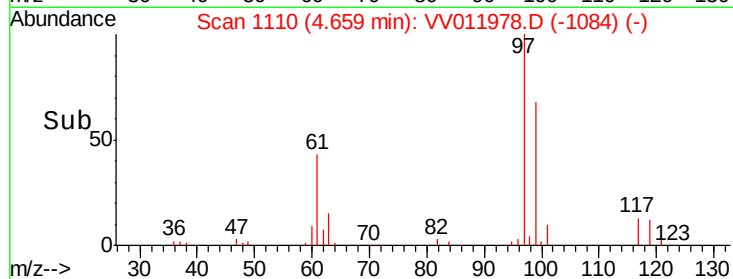
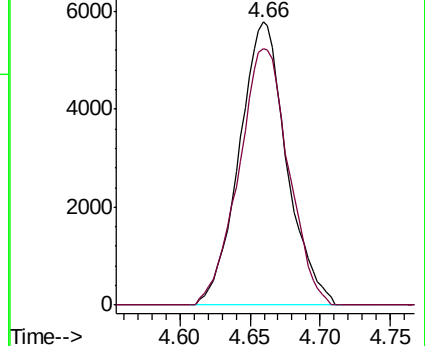
117 100

119 94.8 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.855 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV011978.D

Acq: 23 Jul 2019 21:16

Tgt Ion: 95 Resp: 8943

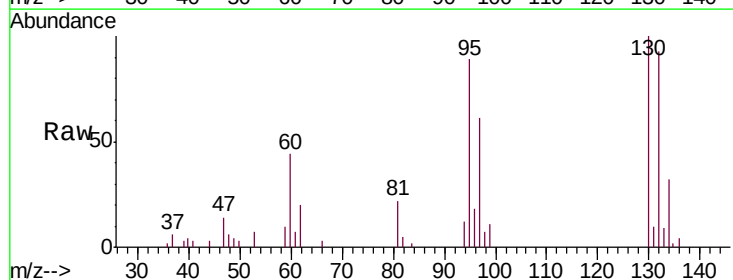
Ion Ratio Lower Upper

95 100

97 68.8 45.6 84.6

132 104.4 71.3 132.3

130 112.3 72.8 135.2

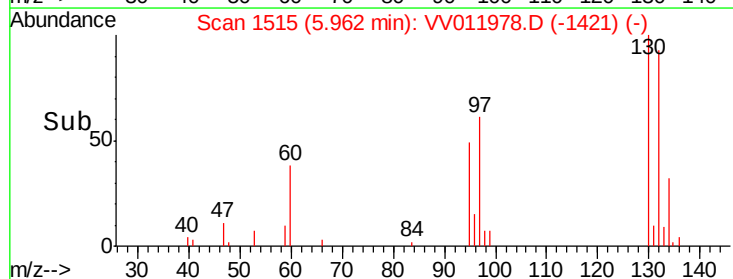
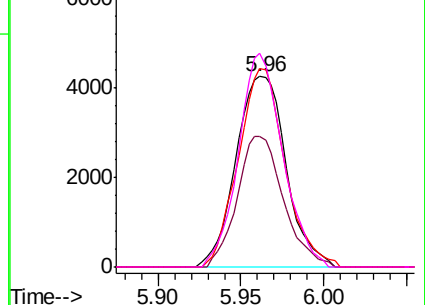


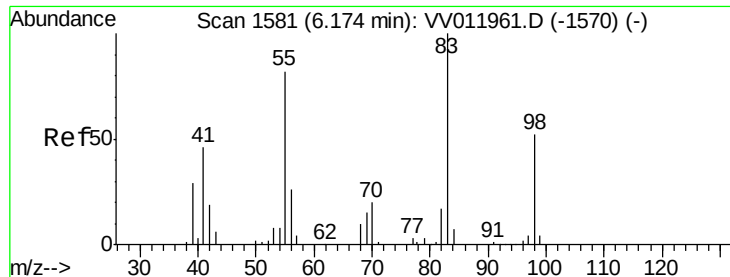
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

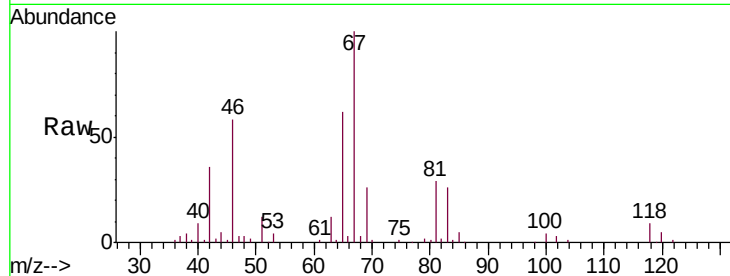




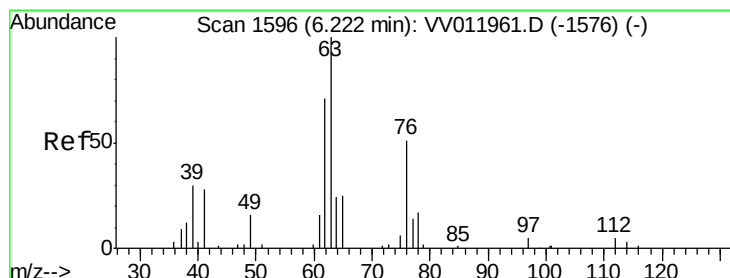
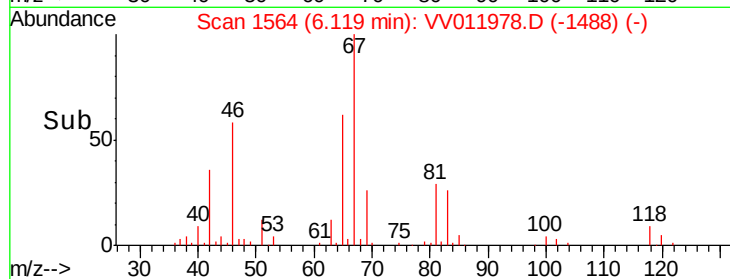
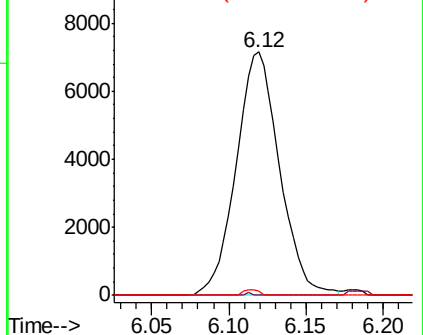
#35
Methylcyclohexane
Concen: 0.857 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011978.D
Acq: 23 Jul 2019 21:16

Instrument :
MSVOA_V
ClientSampleId :
A52J8

Tgt Ion: 83 Resp: 13949
Ion Ratio Lower Upper
83 100
55 0.1 63.0 94.4#
98 0.7 41.4 62.0#

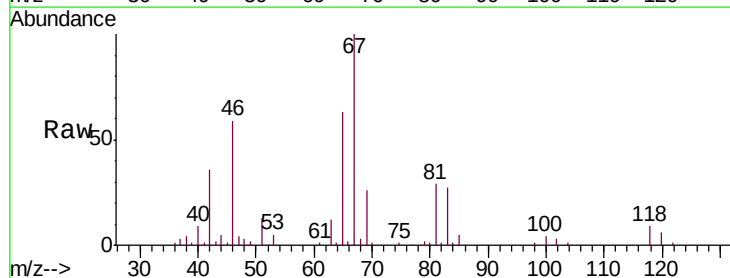


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

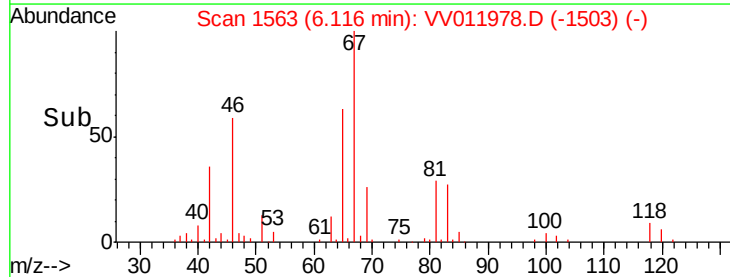
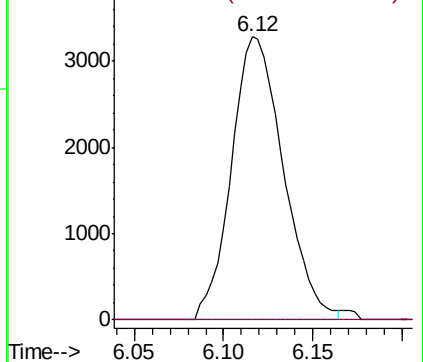


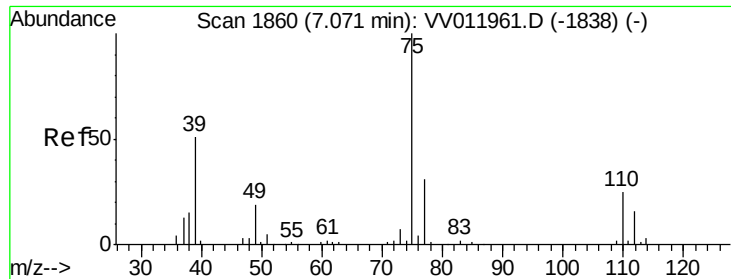
#37
1,2-Dichloropropane
Concen: 0.736 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV011978.D
Acq: 23 Jul 2019 21:16

Tgt Ion: 63 Resp: 6661
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

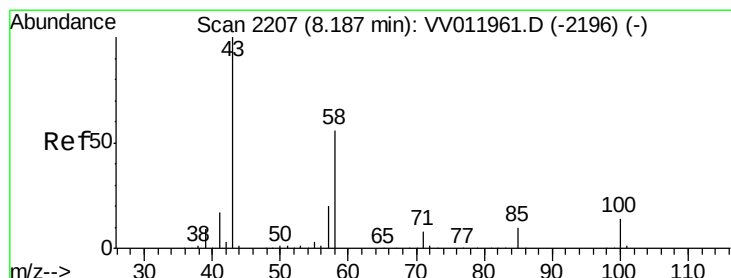
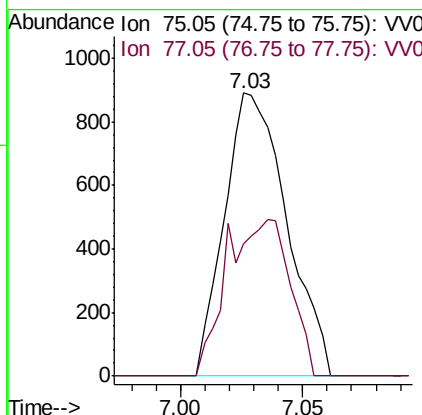
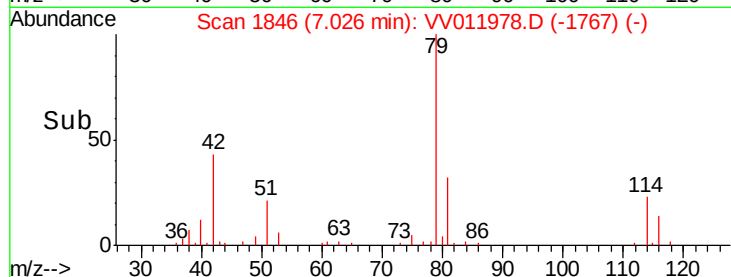
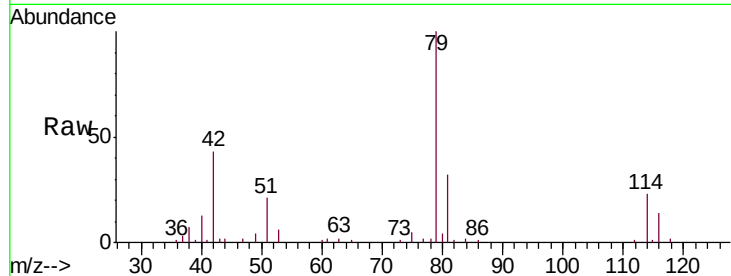




#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV011978.D
 Acq: 23 Jul 2019 21:16

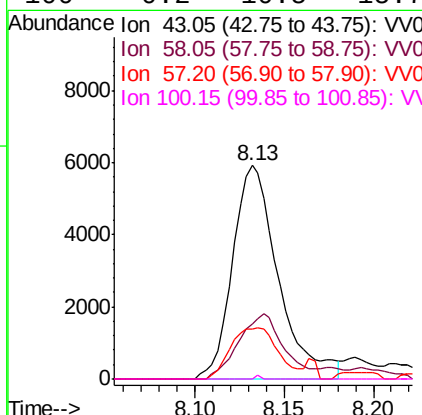
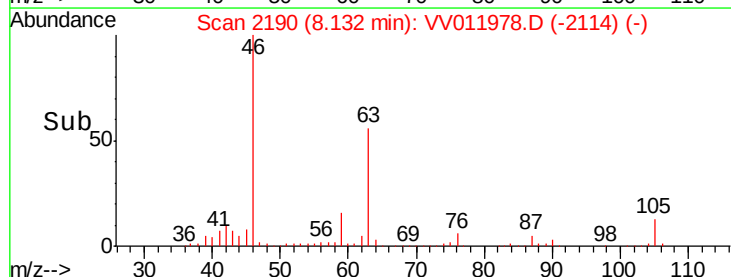
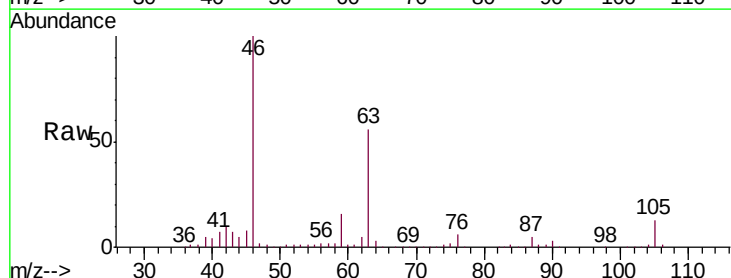
Instrument :
 MSVOA_V
 ClientSampleId :
 A52J8

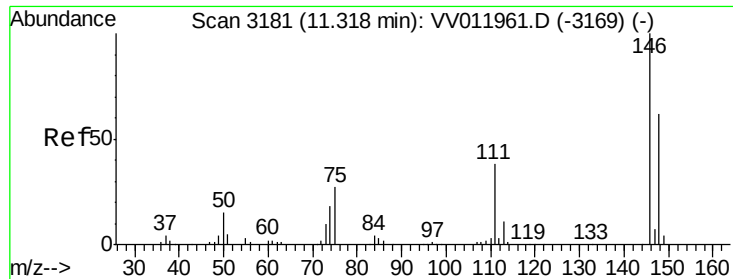
Tgt Ion: 75 Resp: 1580
 Ion Ratio Lower Upper
 75 100
 77 46.6 21.3 39.6#



#48
 2-Hexanone
 Concen: 2.981 ug/L
 RT: 8.13 min Scan# 2190
 Delta R.T. -0.05 min
 Lab File: VV011978.D
 Acq: 23 Jul 2019 21:16

Tgt Ion: 43 Resp: 10582
 Ion Ratio Lower Upper
 43 100
 58 30.7 43.7 65.5#
 57 25.2 16.0 24.0#
 100 0.2 10.5 15.7#

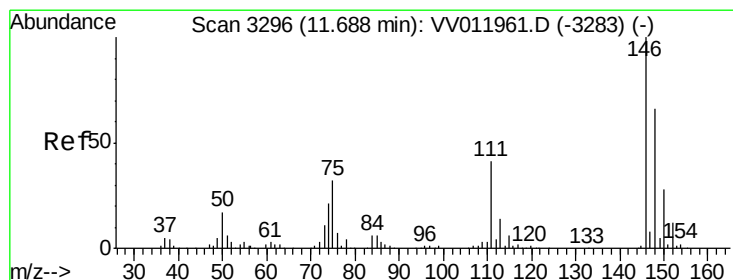
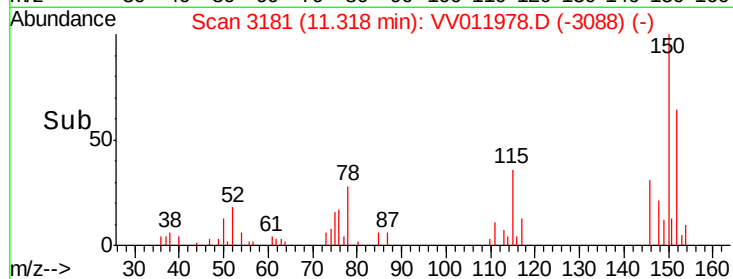
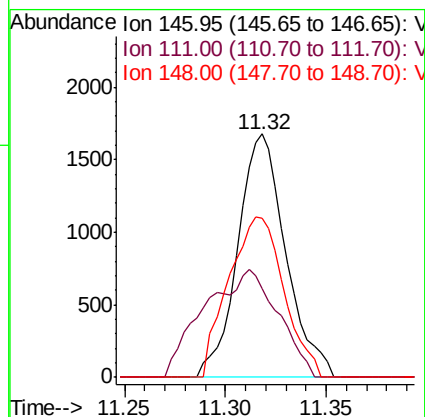
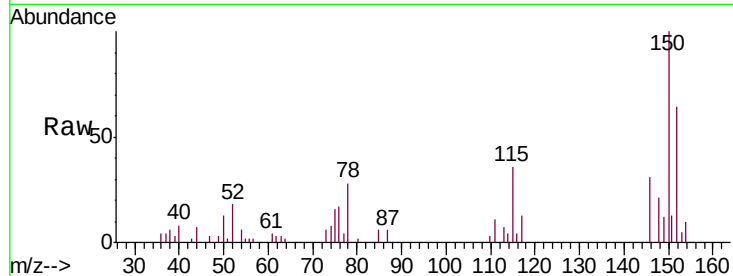




#63
 1,4-Dichlorobenzene
 Concen: 0.127 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011978.D
 Acq: 23 Jul 2019 21:16

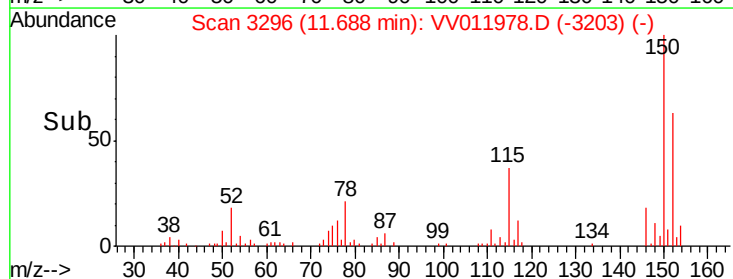
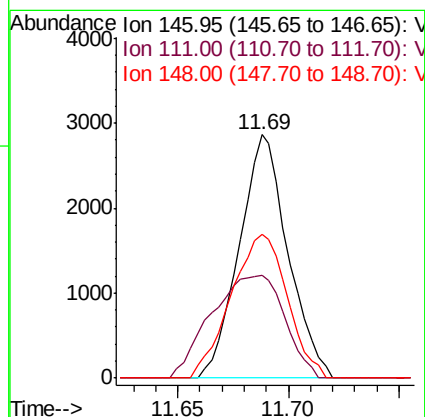
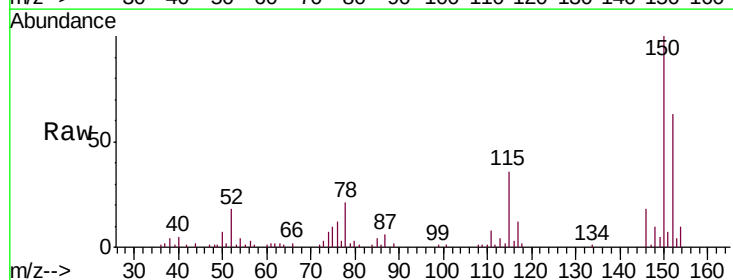
Instrument :
 MSVOA_V
 ClientSampled :
 A52J8

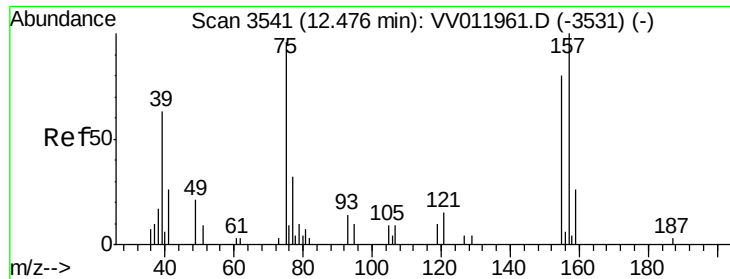
Tgt Ion:146 Resp: 2793
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.0 48.2
 148 65.5 43.0 80.0



#65
 1,2-Dichlorobenzene
 Concen: 0.222 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011978.D
 Acq: 23 Jul 2019 21:16

Tgt Ion:146 Resp: 4370
 Ion Ratio Lower Upper
 146 100
 111 42.4 32.5 48.7
 148 59.1 51.4 77.0

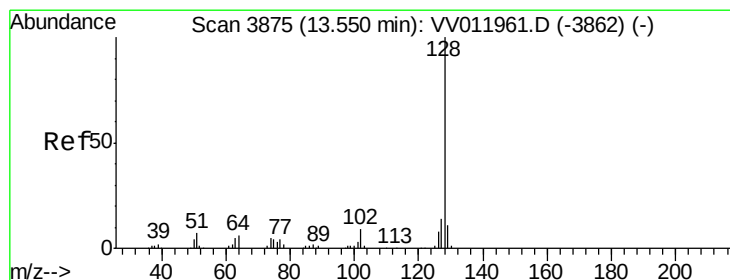
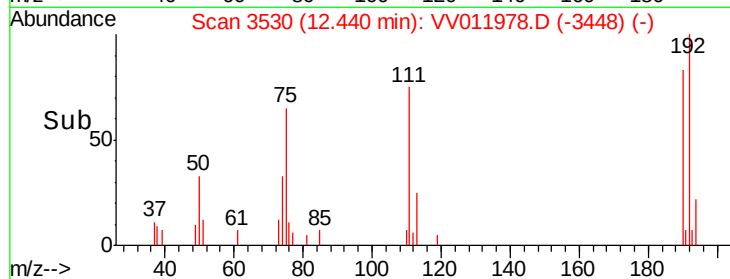
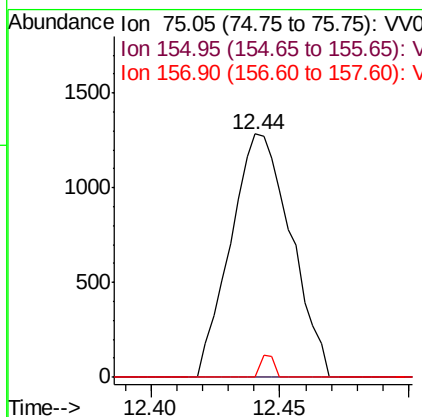
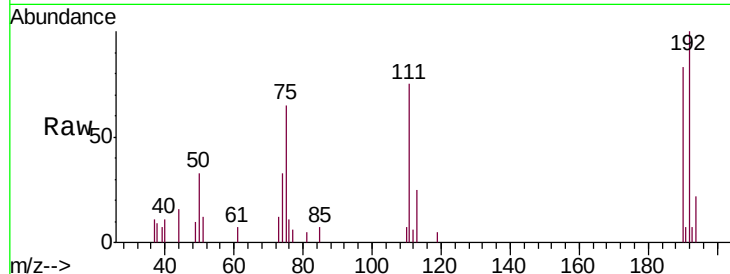




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.823 ug/L
 RT: 12.44 min Scan# 3530
 Delta R.T. -0.04 min
 Lab File: VV011978.D
 Acq: 23 Jul 2019 21:16

Instrument :
 MSVOA_V
 ClientSampleId :
 A52J8

Tgt Ion: 75 Resp: 2088
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 0.0 96.2 144.2#



#69
 Naphthalene
 Concen: 0.067 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV011978.D
 Acq: 23 Jul 2019 21:16

Tgt Ion: 128 Resp: 1459
 Ion Ratio Lower Upper
 128 100
 129 6.2 8.2 12.2#
 127 7.1 10.8 16.2#

