

Data File : VV011975.D
Acq On : 23 Jul 2019 20:00
Operator : SY/MD
Sample : K3823-20
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52K0

Quant Time: Jul 24 05:57:32 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	136980	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	131814	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	64883	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37001	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.59	69	29449	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.14	63	62856	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	3.94	46	104262	50.10	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.20%
24) Chloroform-d	4.40	84	91566	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.08	65	52005	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.10	84	191850	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.12	67	53856	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.36	98	170334	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.67	79	21109	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.13	63	84654	49.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37080	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	68168	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	739	0.090	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	699	0.100	ug/L #	40
12) 1,1-Dichloroethene	2.14	96	8300	1.331	ug/L #	1
13) Acetone	2.19	43	3566	3.179	ug/L	97
19) 1,1-Dichloroethane	3.23	63	30495	1.778	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	28180	2.701	ug/L	96
25) Chloroform	4.43	83	7159	0.346	ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	624812	37.035	ug/L	99
31) Carbon tetrachloride	4.66	117	77772	5.121	ug/L	100
34) Trichloroethene	5.96	95	16284	1.512	ug/L	96
35) Methylcyclohexane	6.12	83	13486	0.805	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6316	0.678	ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1592	0.115	ug/L	92
47) Tetrachloroethene	8.02	164	24332	2.619	ug/L	98
48) 2-Hexanone	8.13	43	11271	3.085	ug/L #	70
49) Dibromochloromethane	8.02	129	20437	2.592	ug/L #	10
65) 1,2-Dichlorobenzene	11.69	146	3331	0.170	ug/L #	92

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

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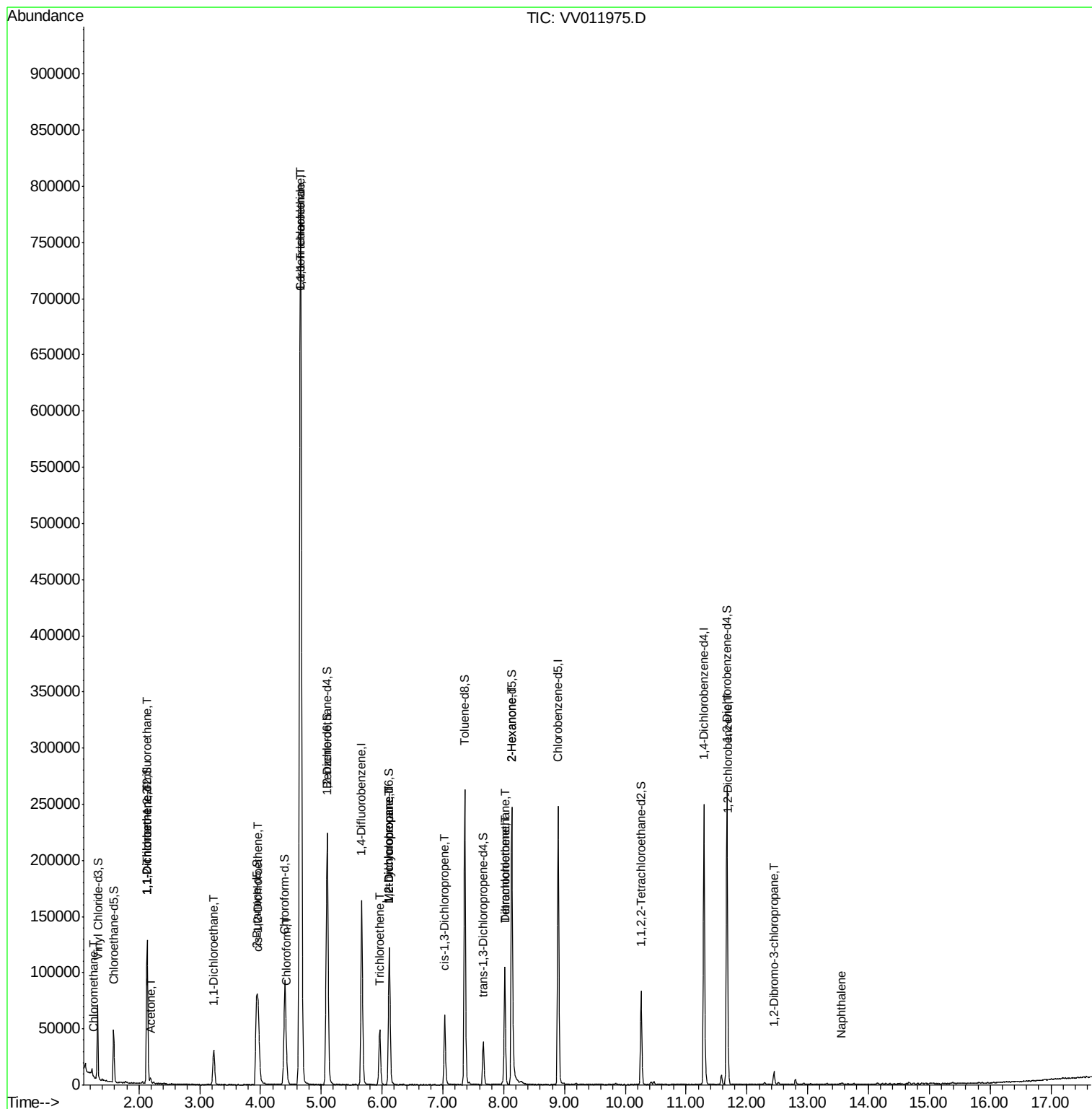
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.44	75	1887	1.662	ug/L #	1
69) Naphthalene	13.55	128	1415	0.065	ug/L #	79

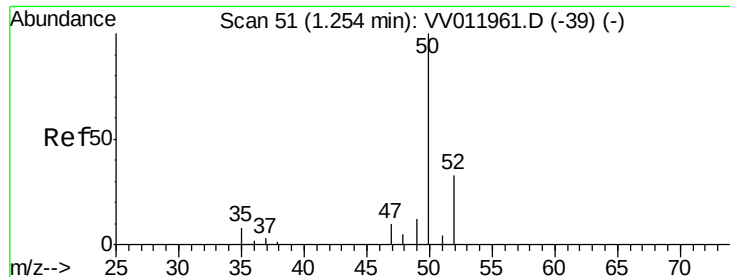
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.090 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011975.D

Acq: 23 Jul 2019 20:00

Instrument :

MSVOA_V

ClientSampleId :

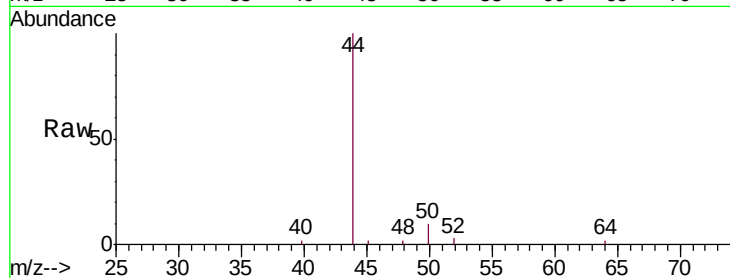
A52K0

Tgt Ion: 50 Resp: 739

Ion Ratio Lower Upper

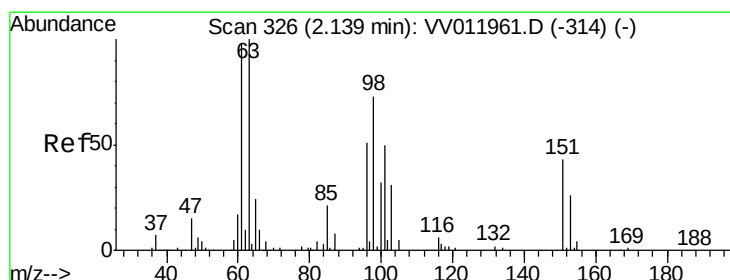
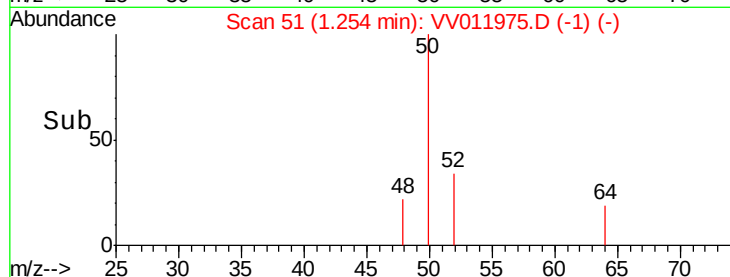
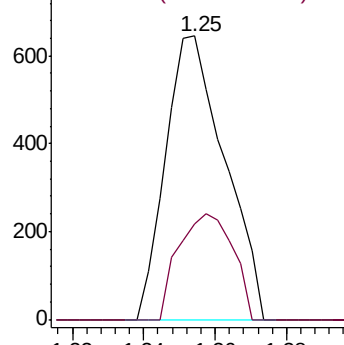
50 100

52 33.8 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#10

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

Concen: 0.100 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011975.D

Acq: 23 Jul 2019 20:00

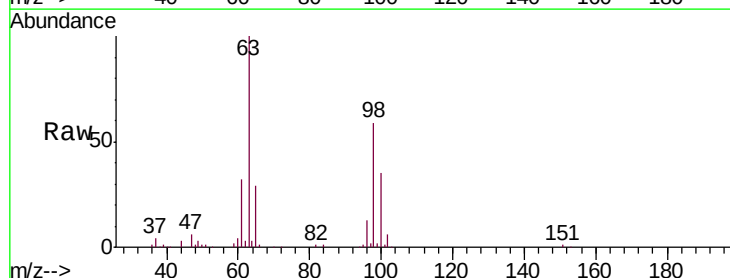
Tgt Ion: 101 Resp: 699

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

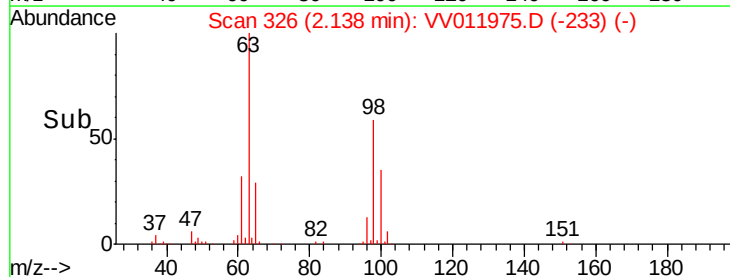
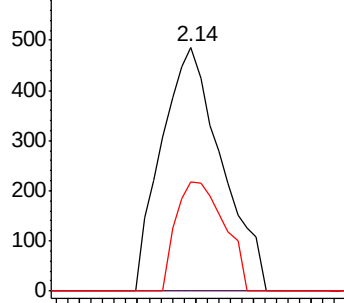
151 36.1 68.3 102.5#

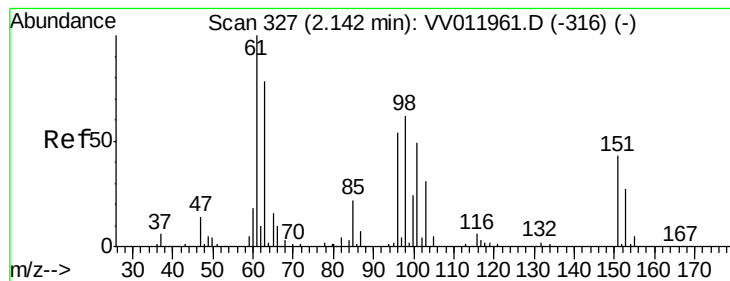


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 1.331 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011975.D

Acq: 23 Jul 2019 20:00

Instrument :

MSVOA_V

ClientSampled :

A52K0

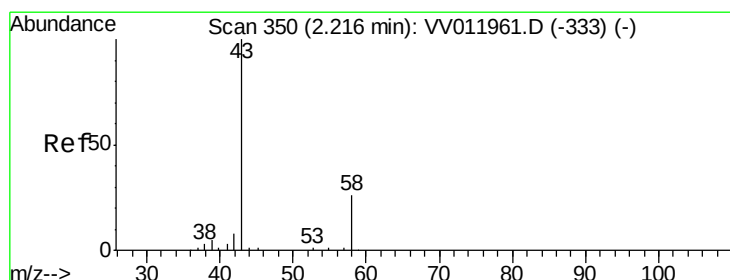
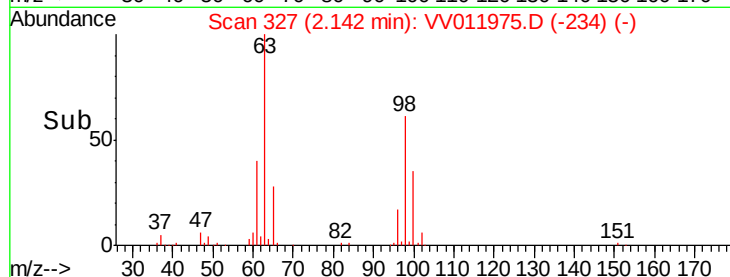
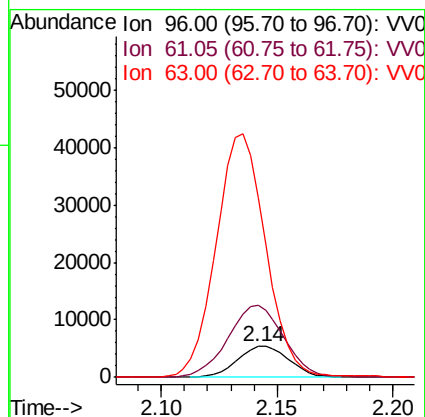
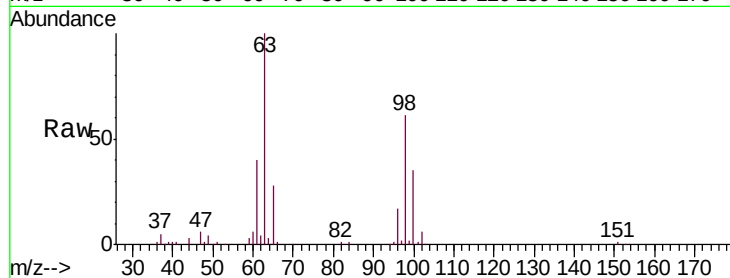
Tgt Ion: 96 Resp: 8300

Ion Ratio Lower Upper

96 100

61 235.3 132.7 246.5

63 585.3 104.0 193.1#



#13

Acetone

Concen: 3.179 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.03 min

Lab File: VV011975.D

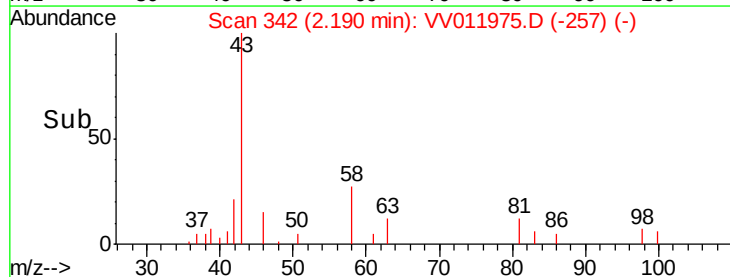
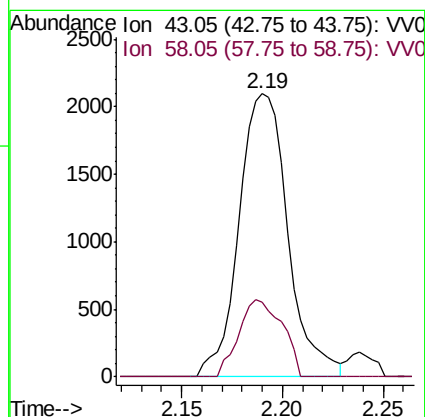
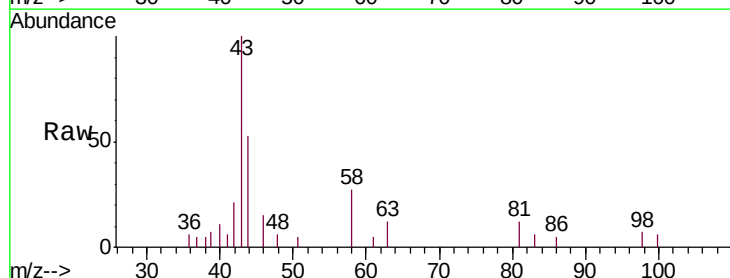
Acq: 23 Jul 2019 20:00

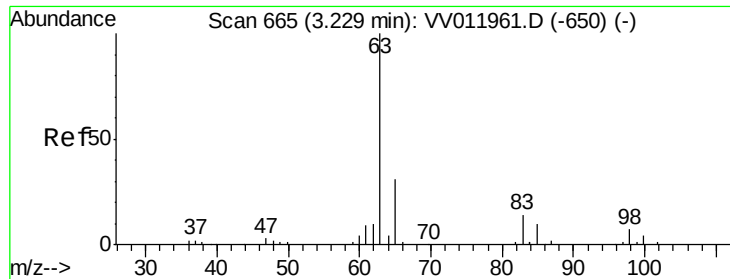
Tgt Ion: 43 Resp: 3566

Ion Ratio Lower Upper

43 100

58 24.3 0.0 51.8

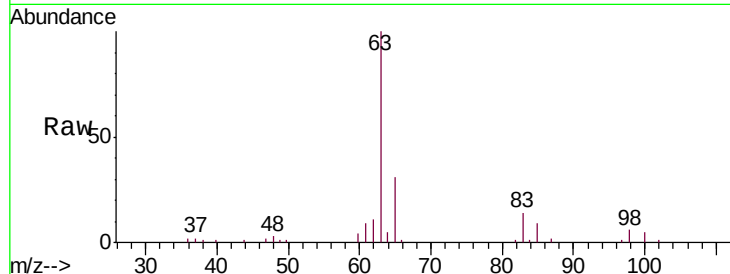




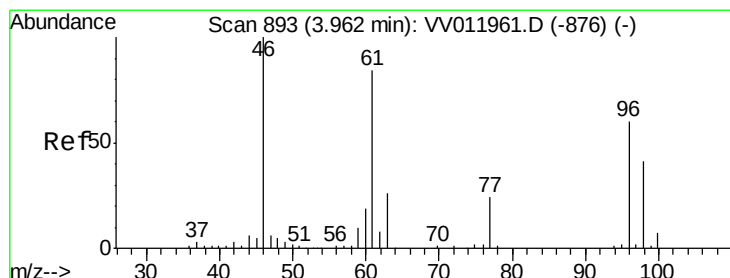
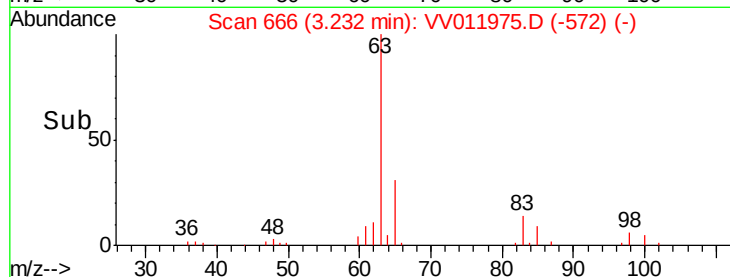
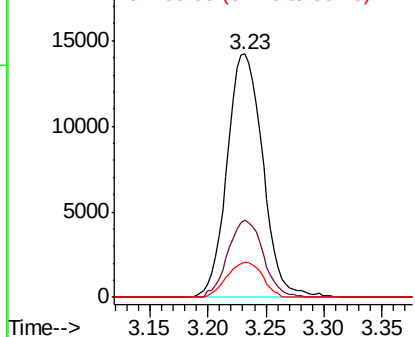
#19
 1,1-Dichloroethane
 Concen: 1.778 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV011975.D
 Acq: 23 Jul 2019 20:00

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K0

Tgt Ion: 63 Resp: 30495
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.5 43.7
 83 14.4 9.7 18.1

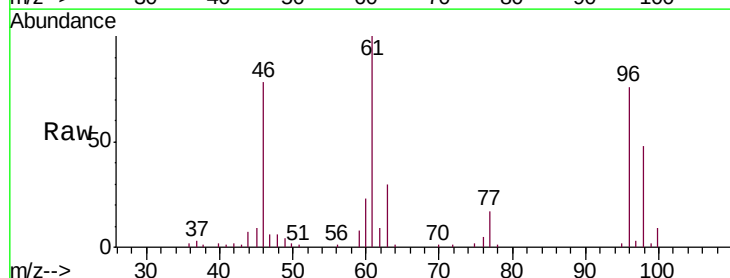


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

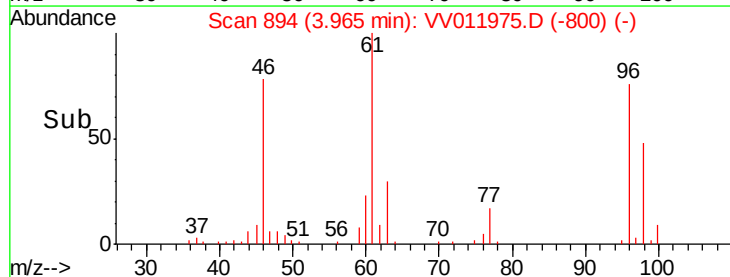
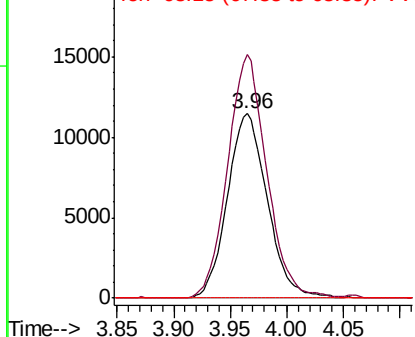


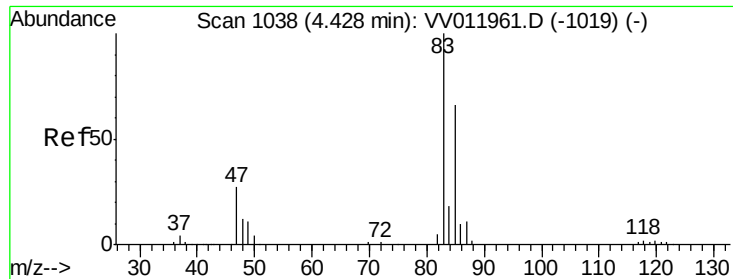
#22
 cis-1,2-Dichloroethene
 Concen: 2.701 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV011975.D
 Acq: 23 Jul 2019 20:00

Tgt Ion: 96 Resp: 28180
 Ion Ratio Lower Upper
 96 100
 61 132.2 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

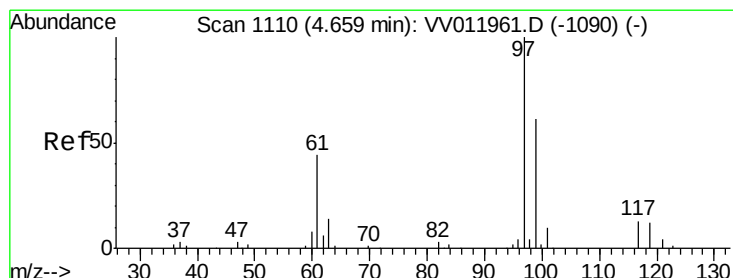
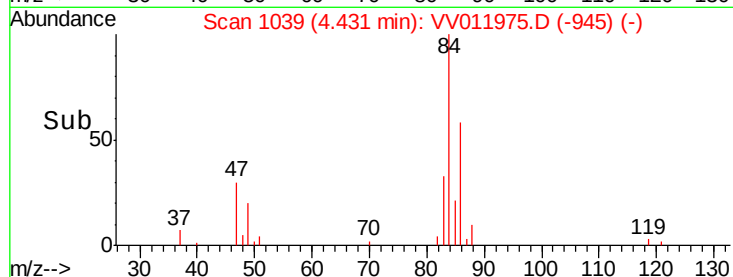
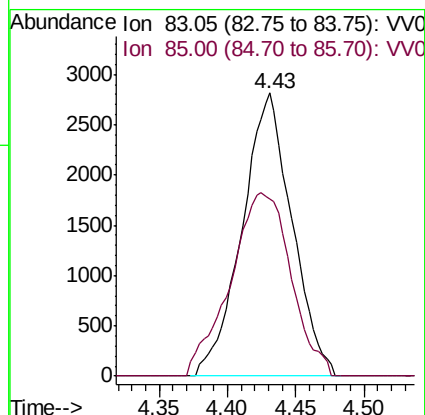
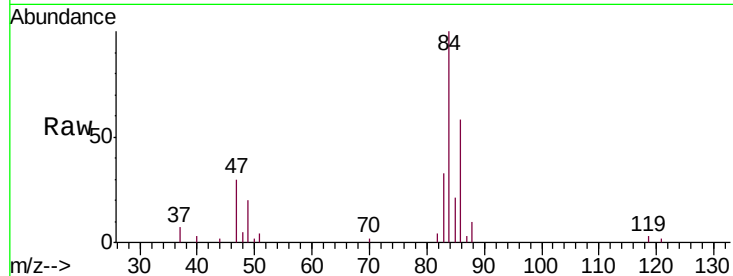




#25
Chloroform
Concen: 0.346 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV011975.D
Acq: 23 Jul 2019 20:00

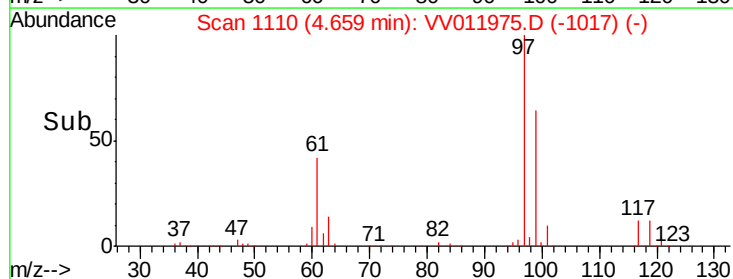
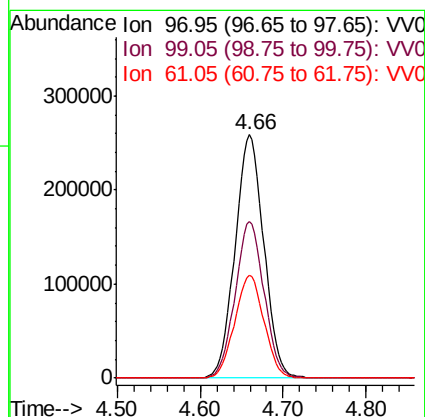
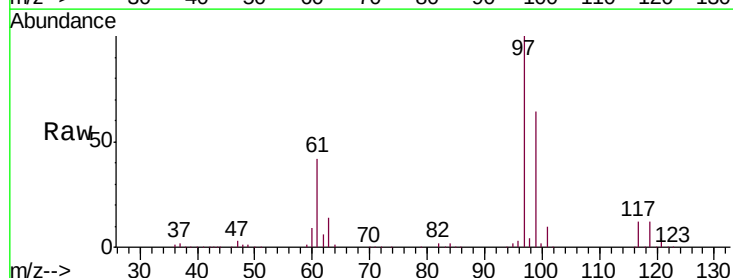
Instrument :
MSVOA_V
ClientSampleId :
A52K0

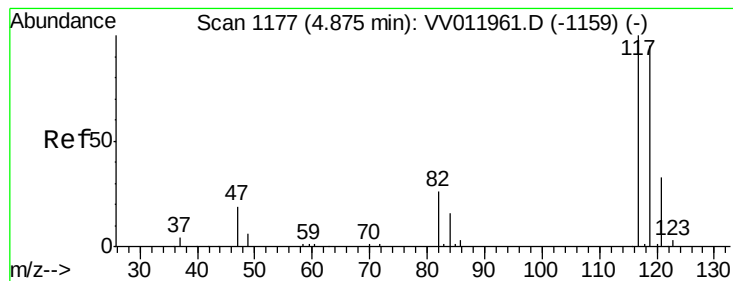
Tgt Ion: 83 Resp: 7159
Ion Ratio Lower Upper
83 100
85 62.8 46.5 86.3



#29
1,1,1-Trichloroethane
Concen: 37.035 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011975.D
Acq: 23 Jul 2019 20:00

Tgt Ion: 97 Resp: 624812
Ion Ratio Lower Upper
97 100
99 64.8 51.7 77.5
61 43.1 35.1 52.7





#31

Carbon tetrachloride

Concen: 5.121 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.22 min

Lab File: VV011975.D

Acq: 23 Jul 2019 20:00

Instrument :

MSVOA_V

ClientSampleId :

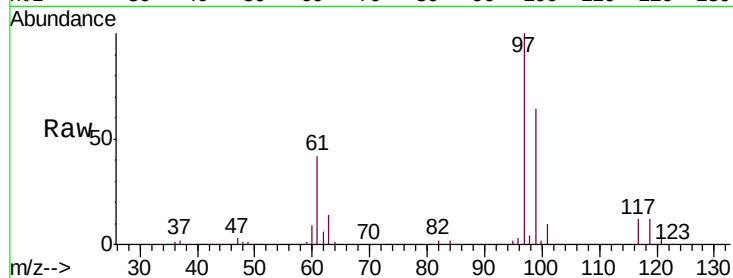
A52K0

Tgt Ion:117 Resp: 77772

Ion Ratio Lower Upper

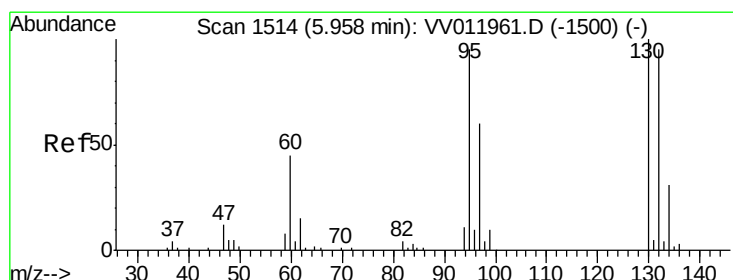
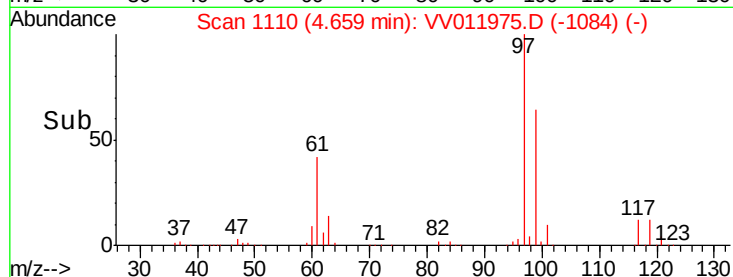
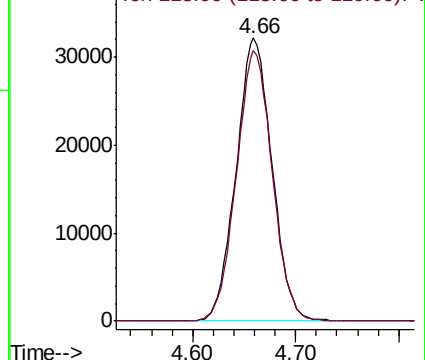
117 100

119 95.5 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: 1.512 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV011975.D

Acq: 23 Jul 2019 20:00

Tgt Ion: 95 Resp: 16284

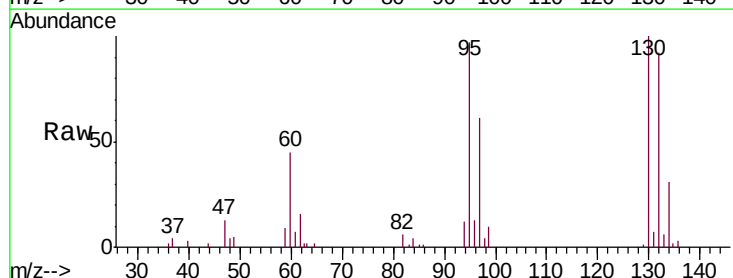
Ion Ratio Lower Upper

95 100

97 62.9 45.6 84.6

132 94.5 71.3 132.3

130 102.6 72.8 135.2

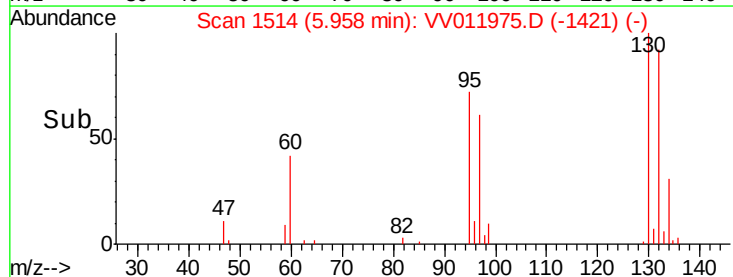
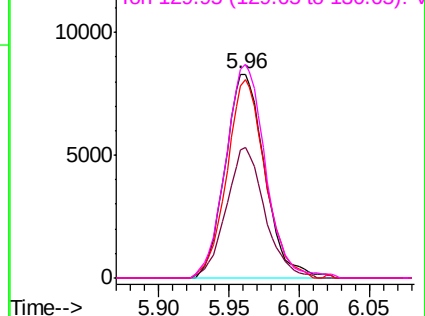


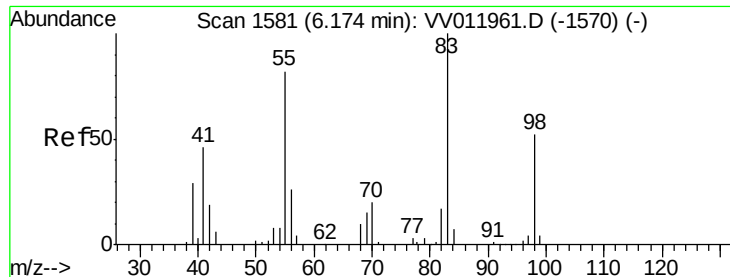
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

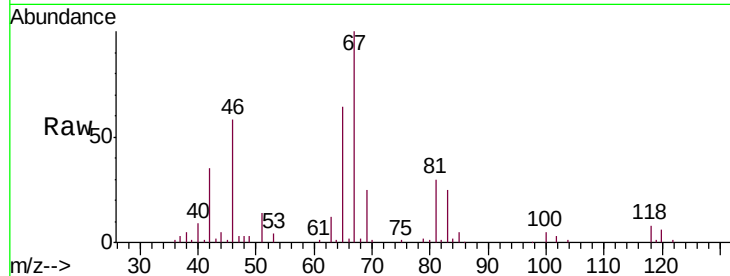




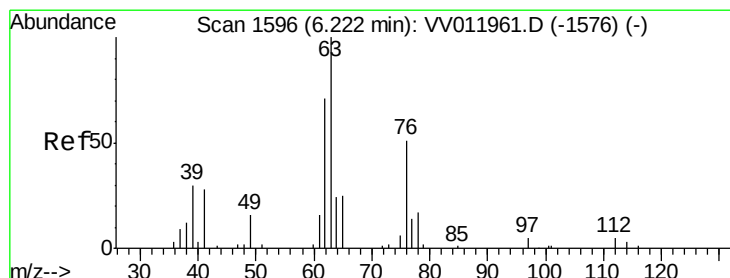
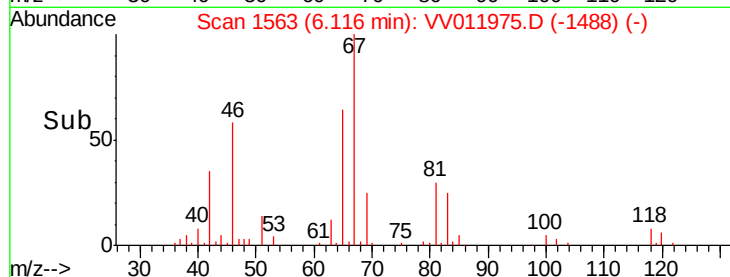
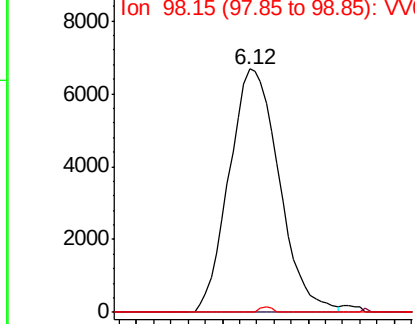
#35
Methylcyclohexane
Concen: 0.805 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011975.D
Acq: 23 Jul 2019 20:00

Instrument :
MSVOA_V
ClientSampleId :
A52K0

Tgt Ion: 83 Resp: 13486
Ion Ratio Lower Upper
83 100
55 0.1 63.0 94.4#
98 0.5 41.4 62.0#

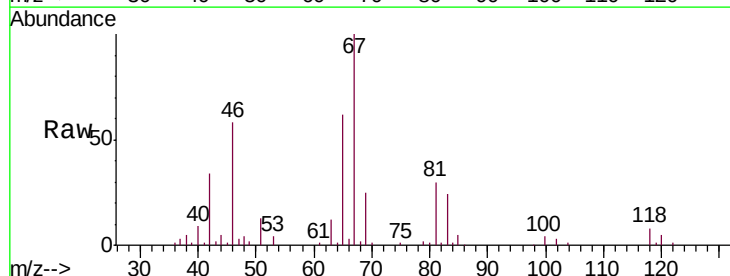


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

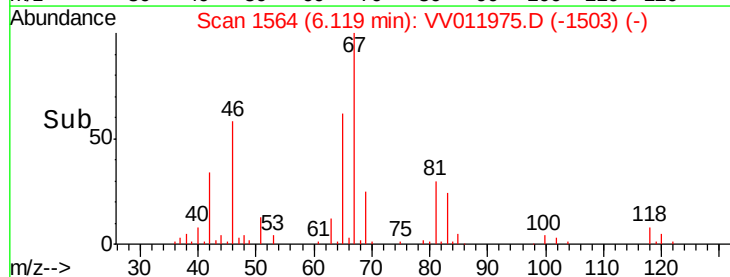
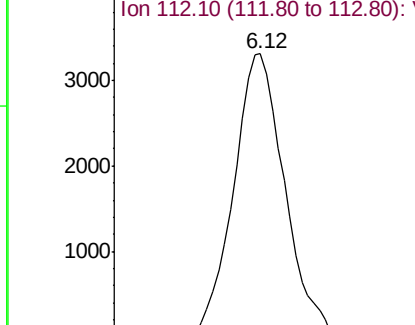


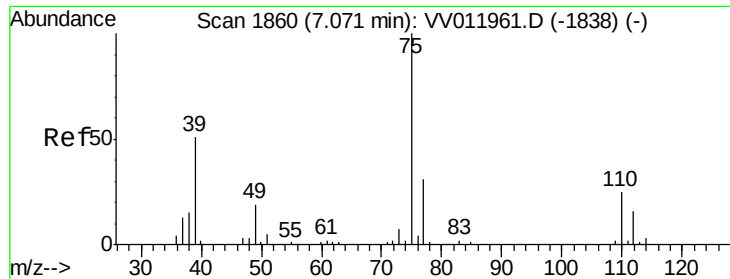
#37
1,2-Dichloropropane
Concen: 0.678 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV011975.D
Acq: 23 Jul 2019 20:00

Tgt Ion: 63 Resp: 6316
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

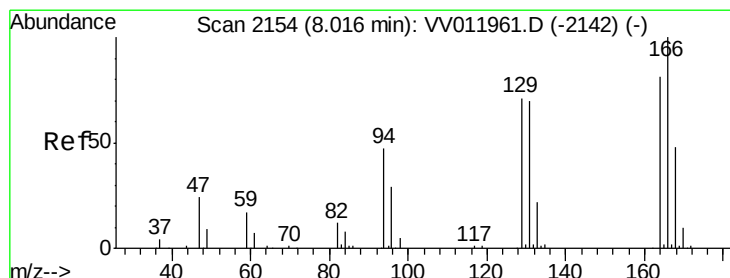
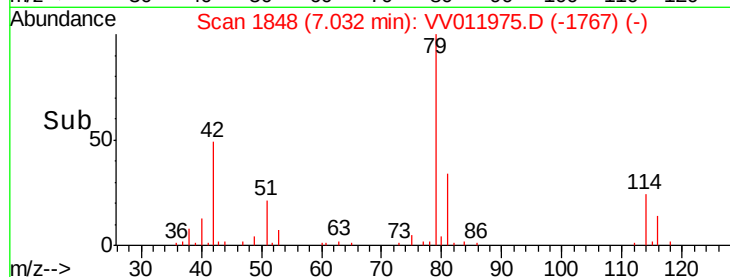
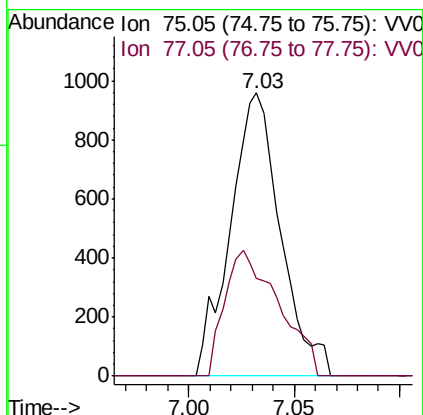
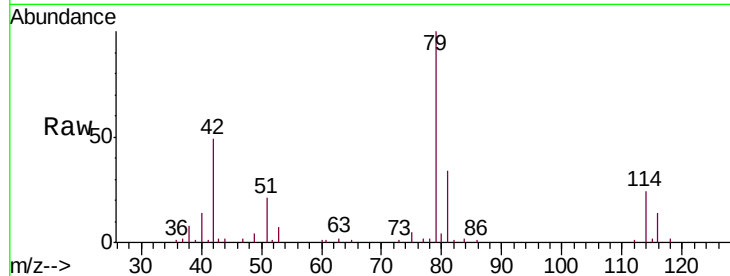




#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV011975.D
 Acq: 23 Jul 2019 20:00

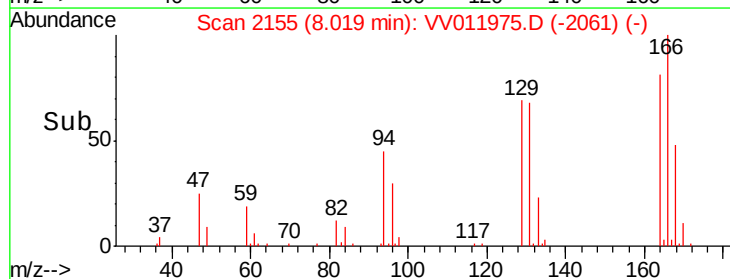
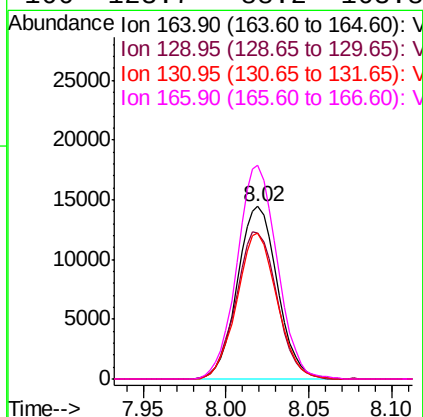
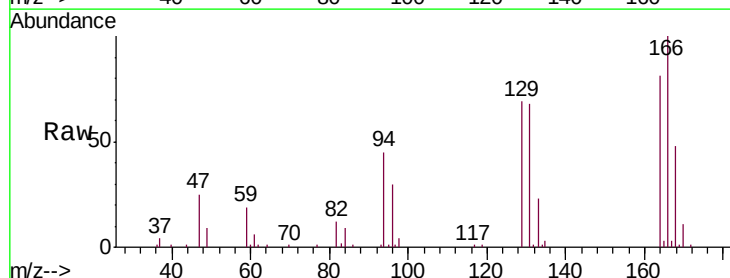
Instrument :
 MSVOA_V
 ClientSampleId :
 A52K0

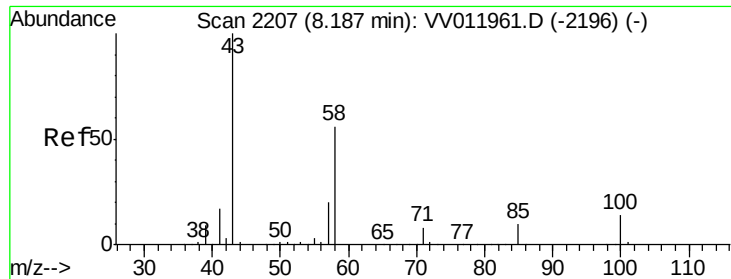
Tgt Ion: 75 Resp: 1592
 Ion Ratio Lower Upper
 75 100
 77 34.7 21.3 39.6



#47
 Tetrachloroethene
 Concen: 2.619 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011975.D
 Acq: 23 Jul 2019 20:00

Tgt Ion: 164 Resp: 24332
 Ion Ratio Lower Upper
 164 100
 129 84.9 62.5 116.1
 131 84.5 58.6 108.8
 166 123.7 88.2 163.8

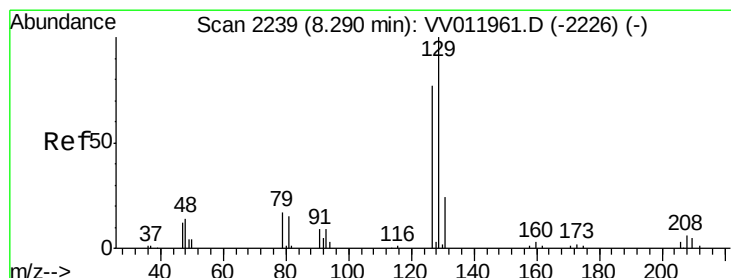
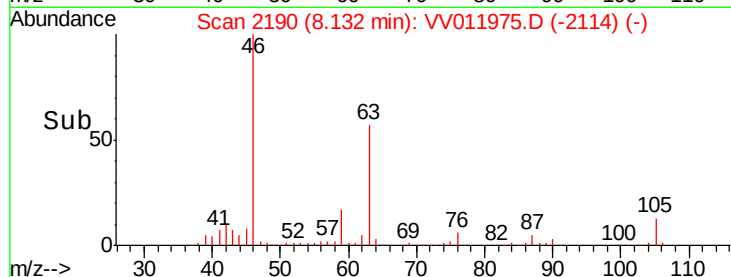
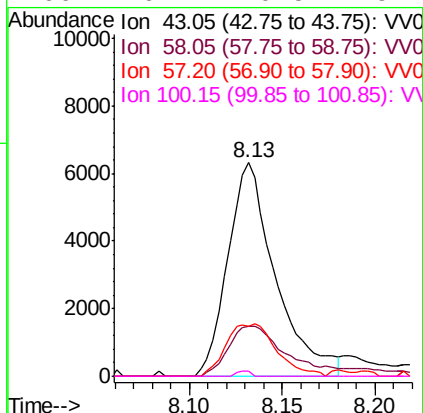
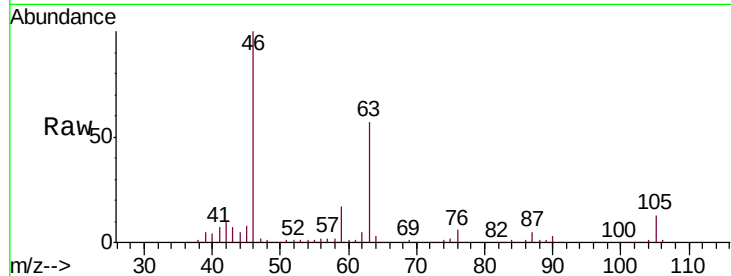




#48
2-Hexanone
Concen: 3.085 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV011975.D
Acq: 23 Jul 2019 20:00

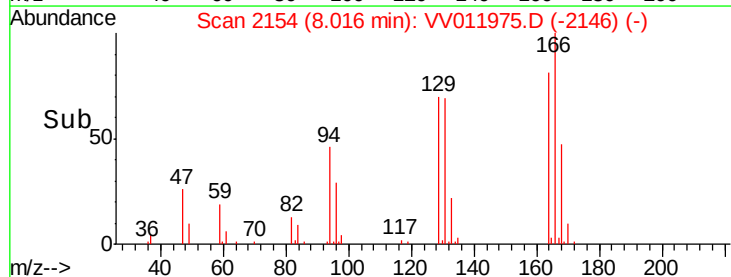
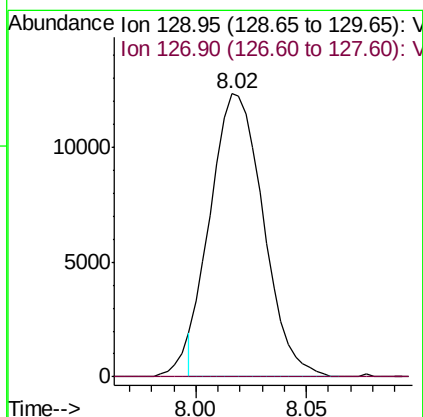
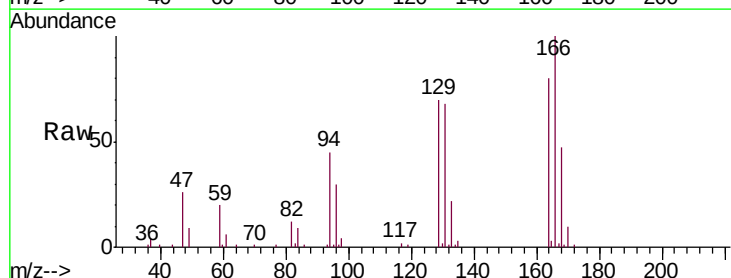
Instrument :
MSVOA_V
ClientSampleId :
A52K0

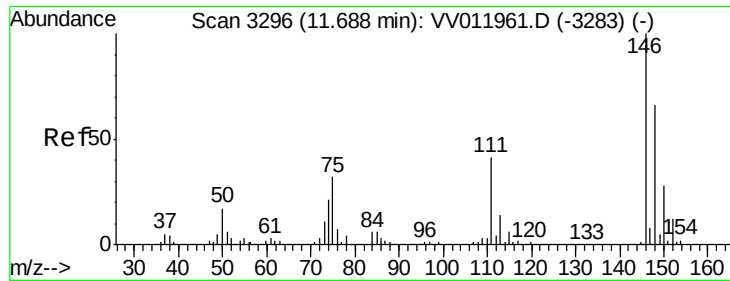
Tgt Ion: 43 Resp: 11271
Ion Ratio Lower Upper
43 100
58 28.7 43.7 65.5#
57 25.9 16.0 24.0#
100 0.7 10.5 15.7#



#49
Dibromochloromethane
Concen: 2.592 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011975.D
Acq: 23 Jul 2019 20:00

Tgt Ion: 129 Resp: 20437
Ion Ratio Lower Upper
129 100
127 0.0 55.3 102.7#

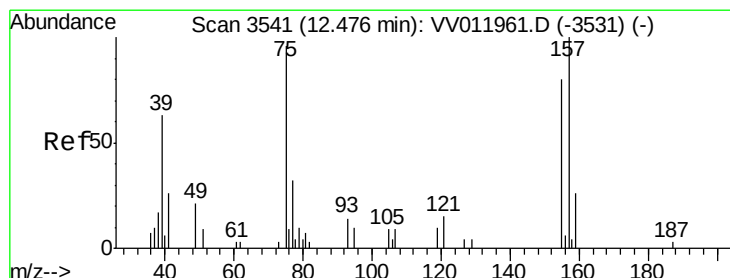
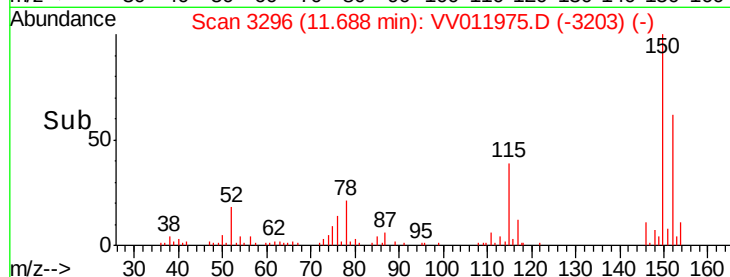
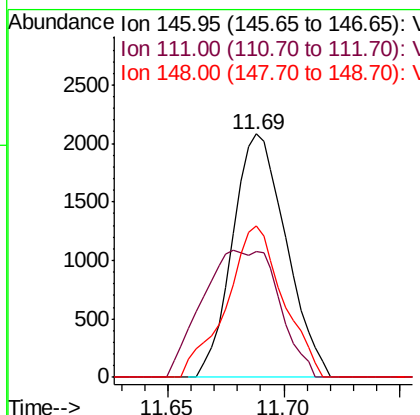
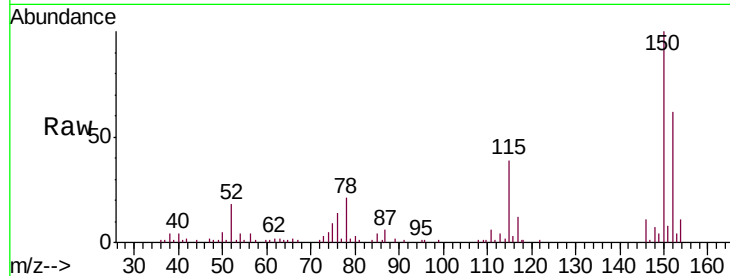




#65
 1,2-Dichlorobenzene
 Concen: 0.170 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011975.D
 Acq: 23 Jul 2019 20:00

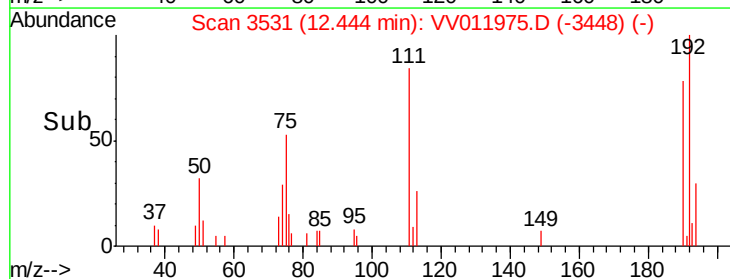
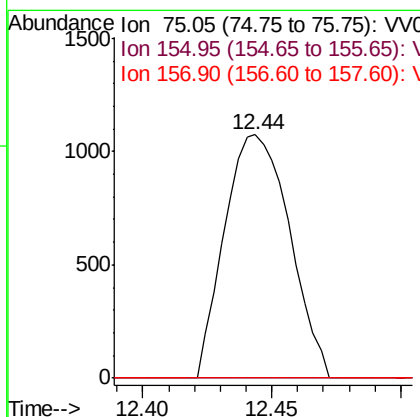
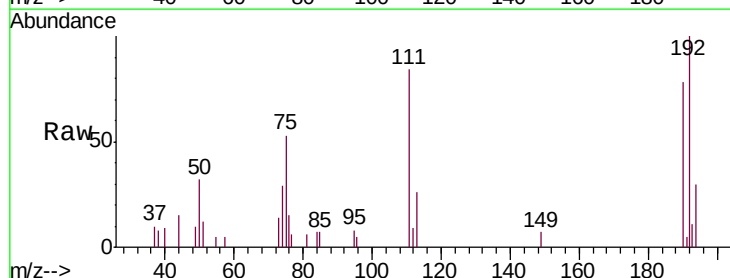
Instrument :
 MSVOA_V
 ClientSampleId :
 A52K0

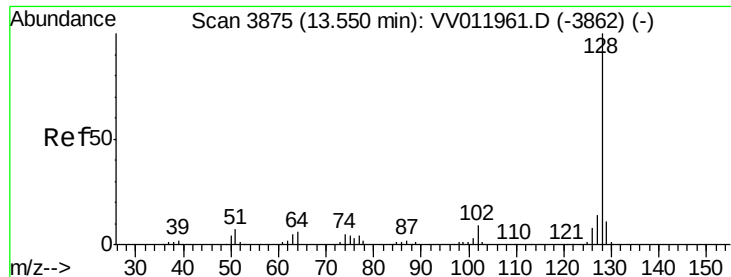
Tgt Ion: 146 Resp: 3331
 Ion Ratio Lower Upper
 146 100
 111 51.5 32.5 48.7#
 148 62.1 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.662 ug/L
 RT: 12.44 min Scan# 3531
 Delta R.T. -0.03 min
 Lab File: VV011975.D
 Acq: 23 Jul 2019 20:00

Tgt Ion: 75 Resp: 1887
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 0.0 96.2 144.2#





#69

Naphthalene

Concen: 0.065 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011975.D

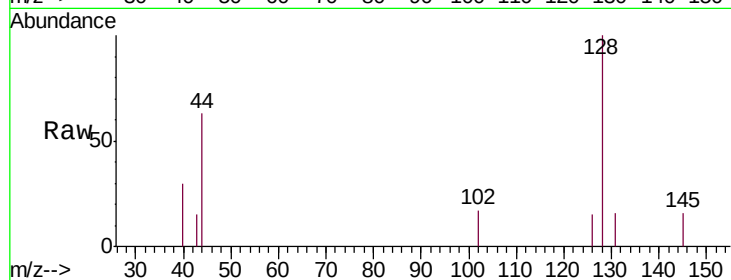
Acq: 23 Jul 2019 20:00

Instrument :

MSVOA_V

ClientSampleId :

A52K0



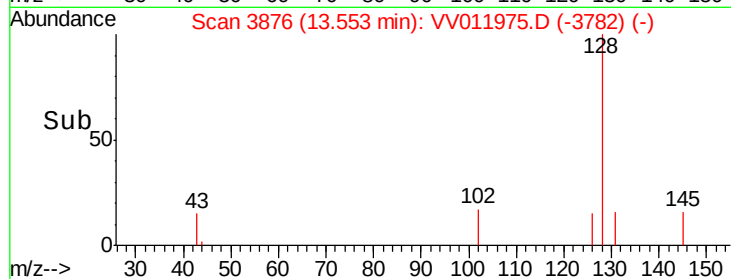
Tgt Ion:128 Resp: 1415

Ion Ratio Lower Upper

128 100

129 5.3 8.2 12.2#

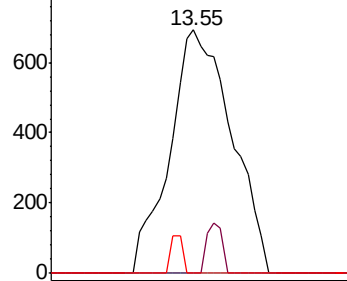
127 2.9 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->