

Data File : VV011922.D
Acq On : 17 Jul 2019 19:51
Operator : SY/MD
Sample : K3823-12
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52M6

Quant Time: Jul 18 02:23:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	146851	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	143585	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	63631	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49388	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.58	69	41692	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.13	63	57022	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	3.95	46	118603	43.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.08%
24) Chloroform-d	4.40	84	88101	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.08	65	47764	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.10	84	184688	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.12	67	64573	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	166666	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.66	79	20162	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.13	63	80578	42.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35213	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	60530	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
3) Chloromethane	1.26	50	1203	0.083 ug/L	98
5) Vinyl chloride	1.33	62	124718	8.895 ug/L	100
8) Chloroethane	1.60	64	1279	0.160 ug/L #	32
12) 1,1-Dichloroethene	2.14	96	12953	1.655 ug/L #	34
13) Acetone	2.19	43	6461	4.674 ug/L	98
15) Methyl Acetate	2.19	43	5700	1.939 ug/L #	53
18) trans-1,2-Dichloroethene	2.79	96	22532	2.048 ug/L	92
19) 1,1-Dichloroethane	3.23	63	8099	0.390 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	5977630	527.645 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	2275	0.129 ug/L #	61
34) Trichloroethene	5.96	95	5094744	408.031 ug/L	99
35) Methylcyclohexane	6.12	83	16292	0.860 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7313	0.667 ug/L #	88
42) Toluene	7.43	91	3986	0.085 ug/L	92
47) Tetrachloroethene	8.02	164	6341	0.690 ug/L	87
48) 2-Hexanone	8.19	43	8722	1.849 ug/L #	79
49) Dibromochloromethane	8.02	129	5453	0.678 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071719\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

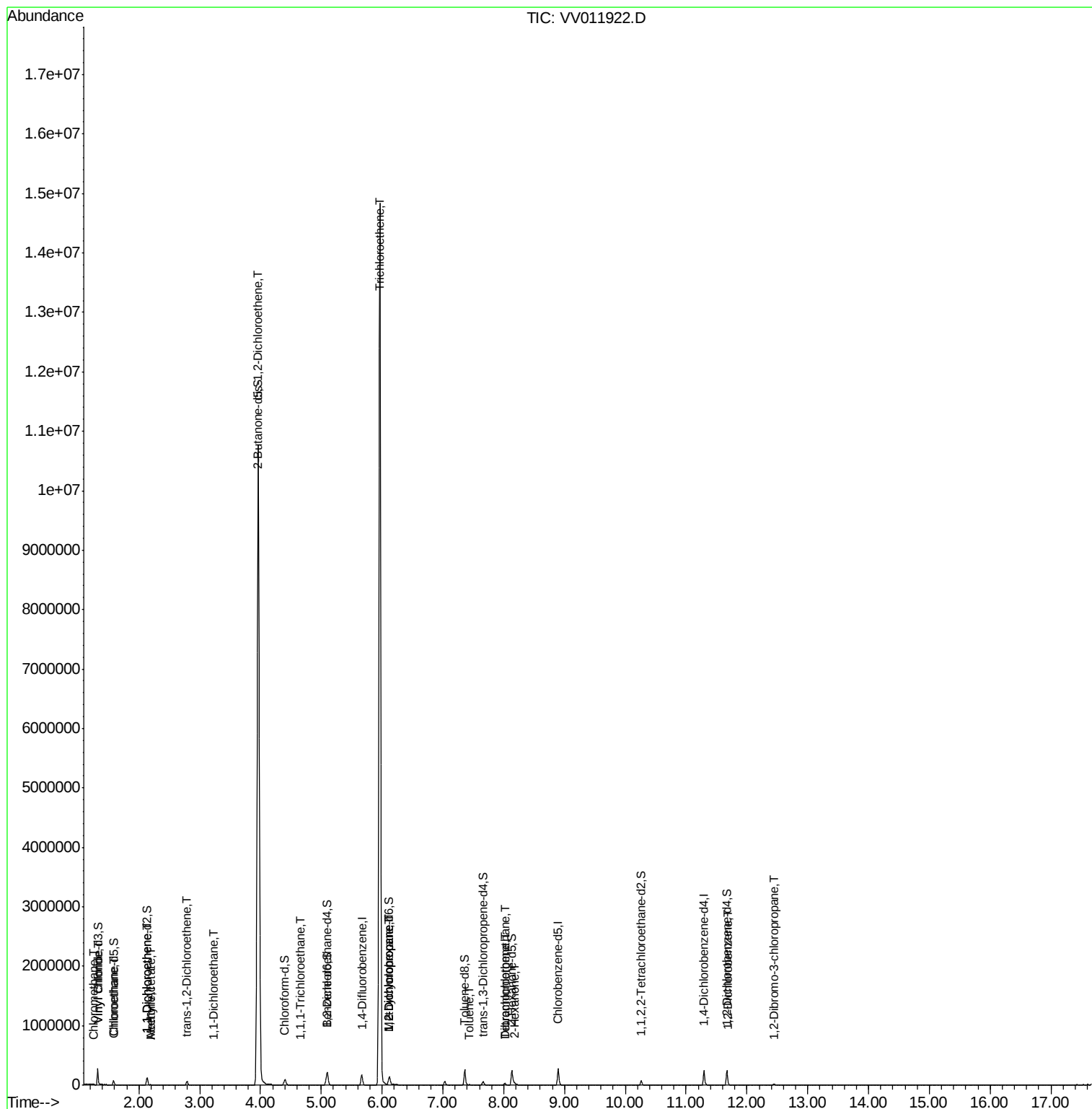
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.69	146	2731	0.142	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	2233	2.050	ug/L #	3

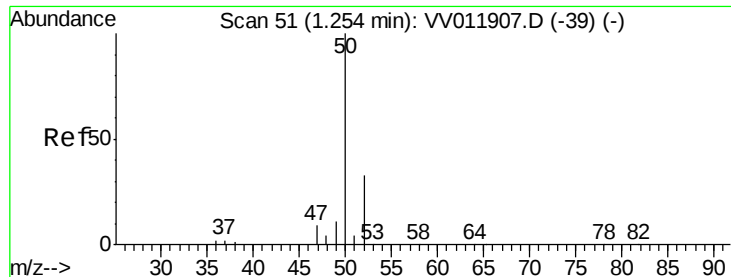
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.083 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV011922.D

Acq: 17 Jul 2019 19:51

Instrument :

MSVOA_V

ClientSampled :

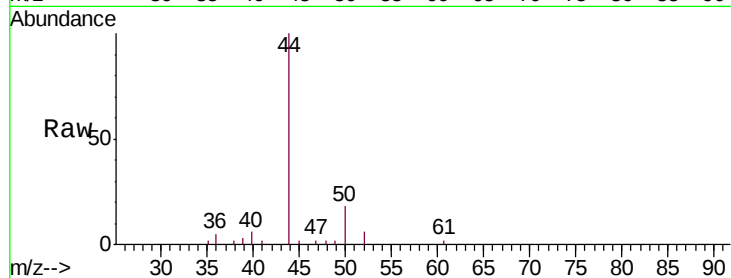
A52M6

Tgt Ion: 50 Resp: 1203

Ion Ratio Lower Upper

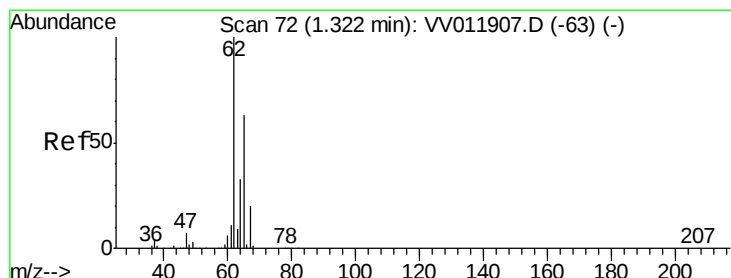
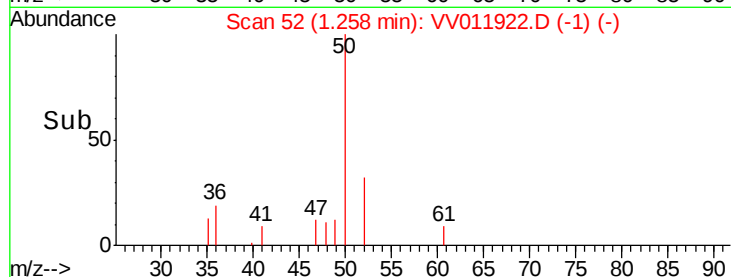
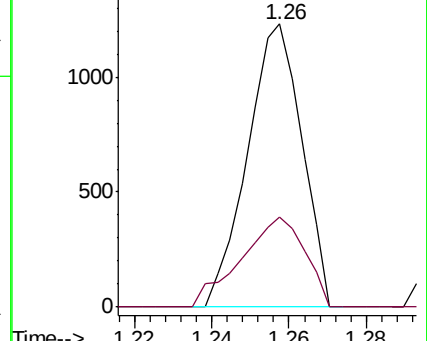
50 100

52 31.8 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 8.895 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011922.D

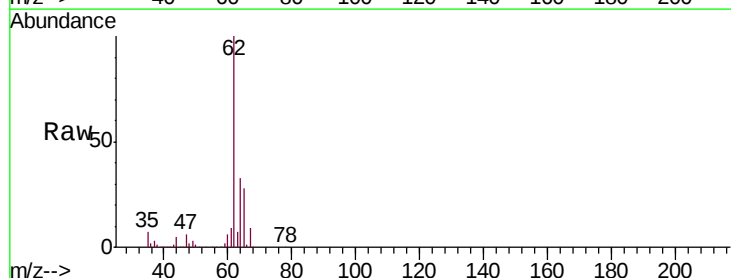
Acq: 17 Jul 2019 19:51

Tgt Ion: 62 Resp: 124718

Ion Ratio Lower Upper

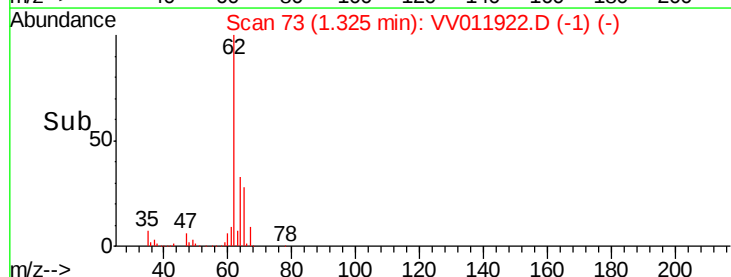
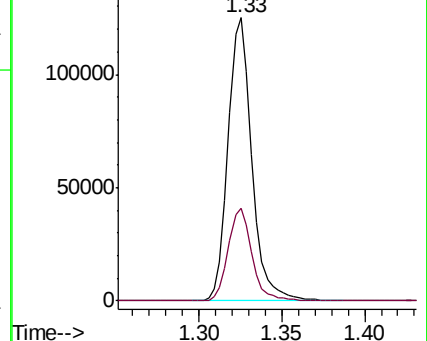
62 100

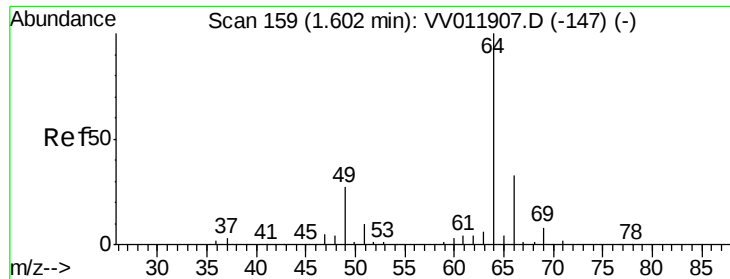
64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

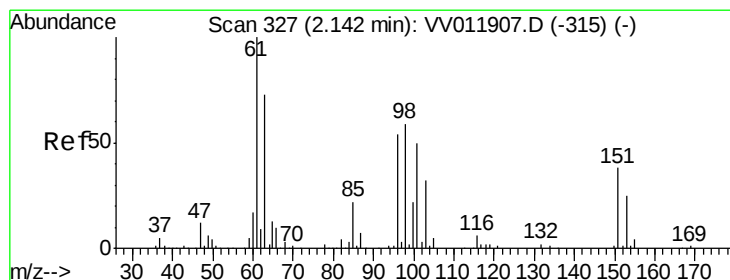
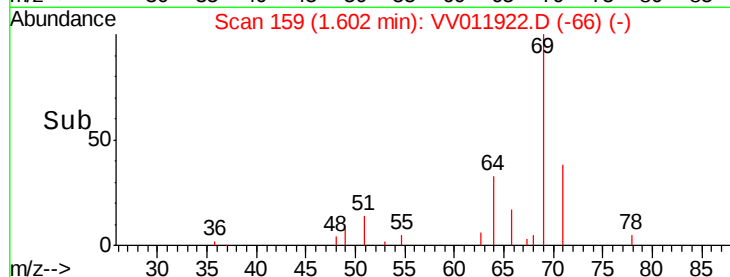
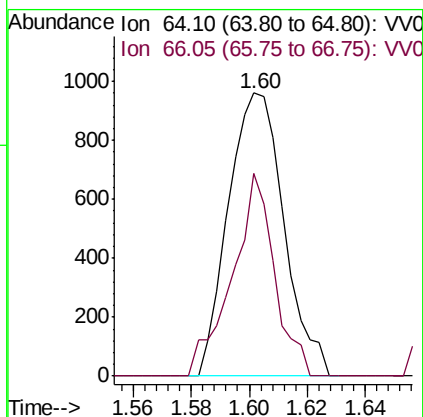
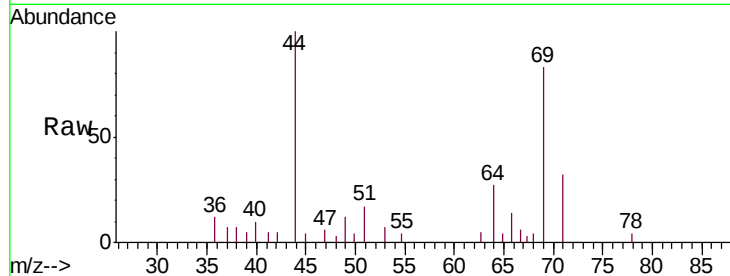




#8
Chloroethane
Concen: 0.160 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV011922.D
Acq: 17 Jul 2019 19:51

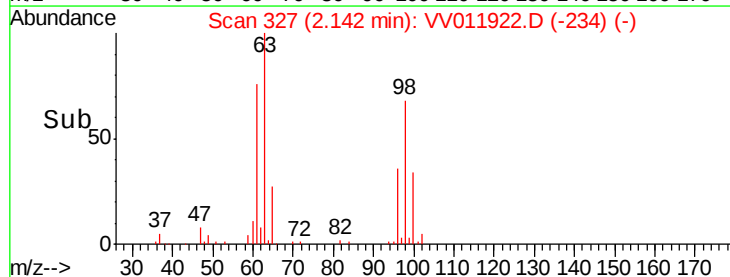
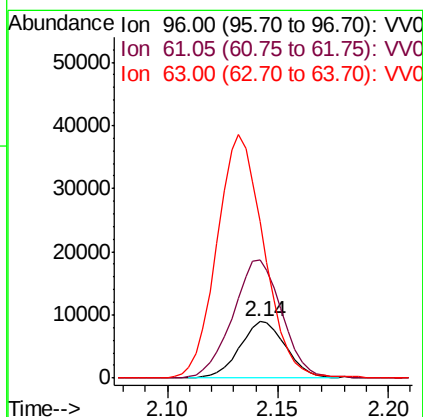
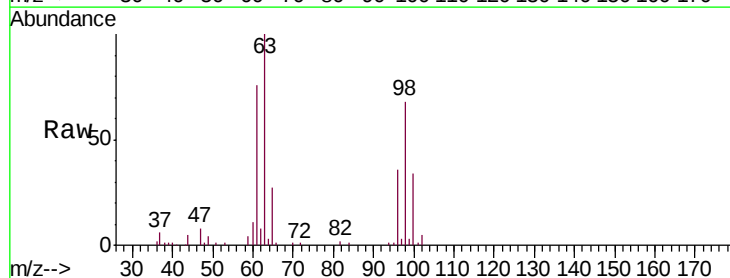
Instrument :
MSVOA_V
ClientSampled :
A52M6

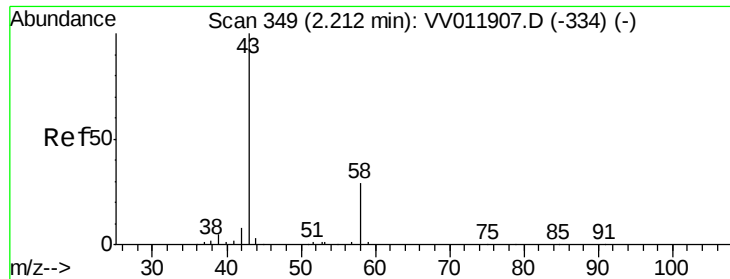
Tgt Ion: 64 Resp: 1279
Ion Ratio Lower Upper
64 100
66 71.8 23.2 43.2#



#12
1,1-Dichloroethene
Concen: 1.655 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV011922.D
Acq: 17 Jul 2019 19:51

Tgt Ion: 96 Resp: 12953
Ion Ratio Lower Upper
96 100
61 209.4 128.9 239.3
63 277.3 85.5 158.9#





#13

Acetone

Concen: 4.674 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV011922.D

Acq: 17 Jul 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

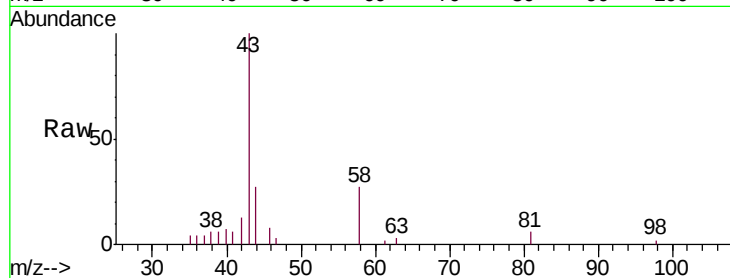
A52M6

Tgt Ion: 43 Resp: 6461

Ion Ratio Lower Upper

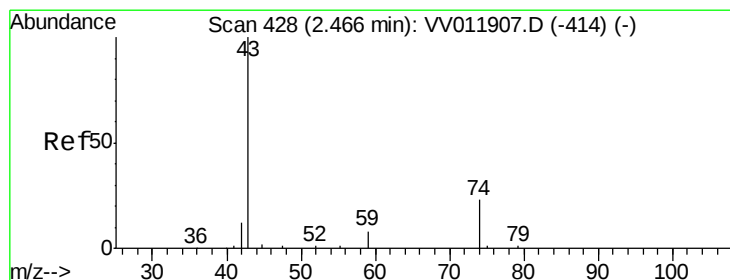
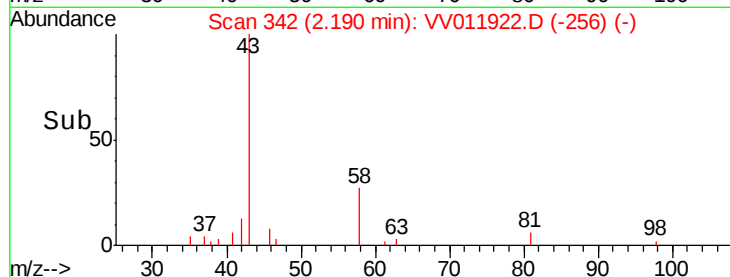
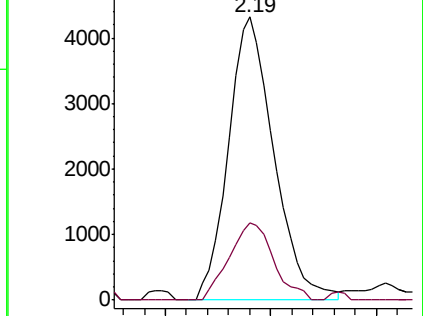
43 100

58 26.5 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV011907.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011907.D (-334) (-)



#15

Methyl Acetate

Concen: 1.939 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.28 min

Lab File: VV011922.D

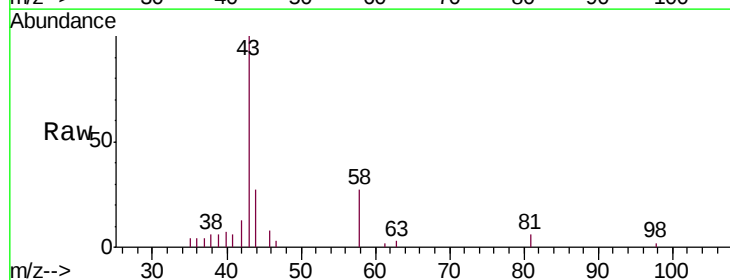
Acq: 17 Jul 2019 19:51

Tgt Ion: 43 Resp: 5700

Ion Ratio Lower Upper

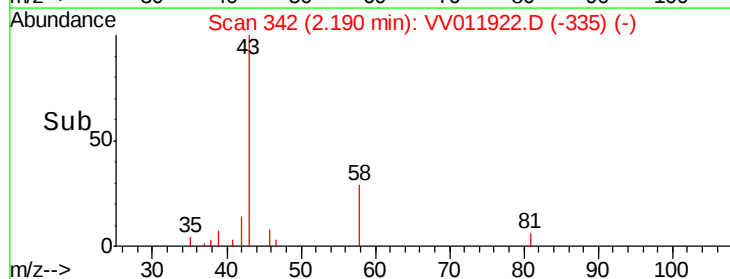
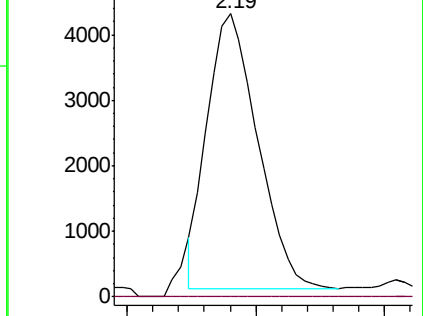
43 100

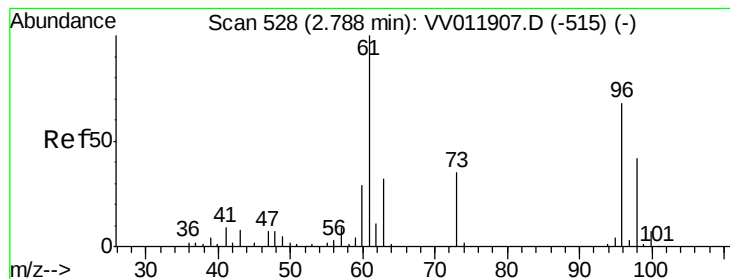
74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VV011907.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VV011907.D (-414) (-)





#18

trans-1,2-Dichloroethene

Concen: 2.048 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV011922.D

Acq: 17 Jul 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

A52M6

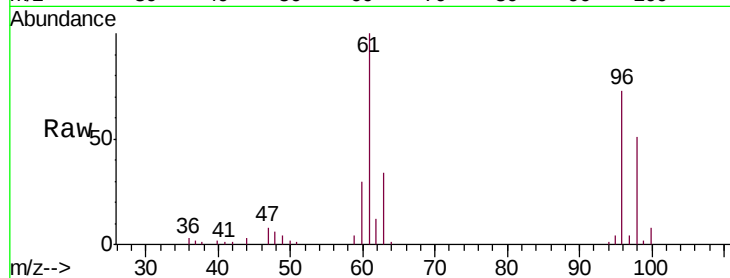
Tgt Ion: 96 Resp: 22532

Ion Ratio Lower Upper

96 100

61 136.5 102.2 189.8

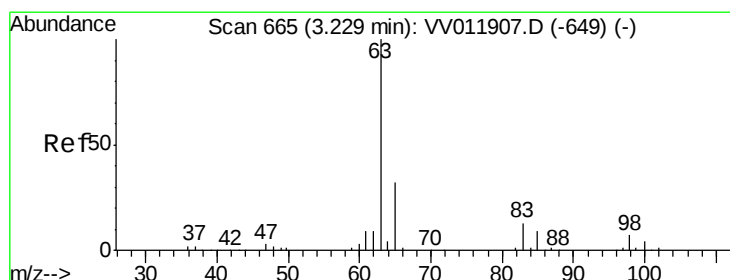
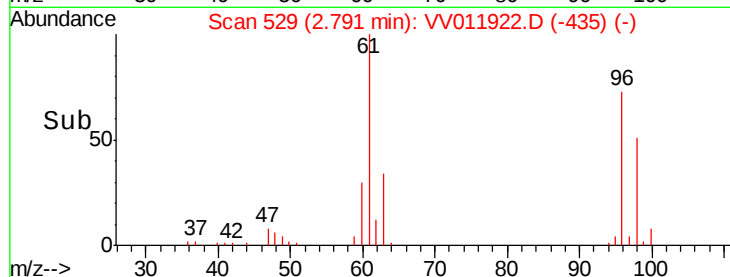
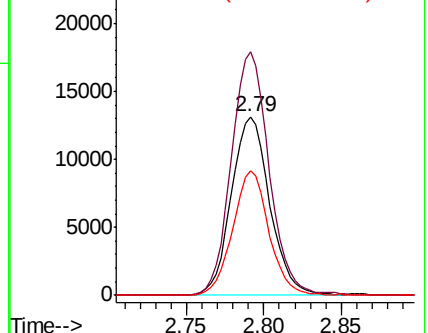
98 70.1 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV011907.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV011907.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV011907.D (-515) (-)



#19

1,1-Dichloroethane

Concen: 0.390 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV011922.D

Acq: 17 Jul 2019 19:51

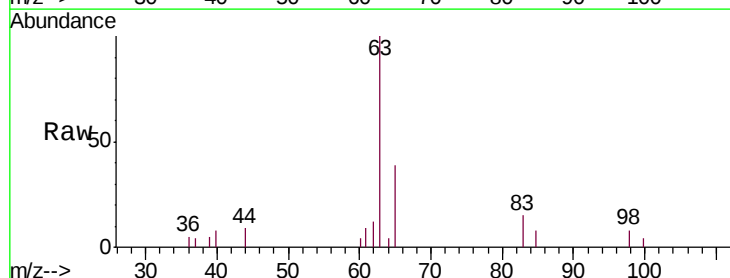
Tgt Ion: 63 Resp: 8099

Ion Ratio Lower Upper

63 100

65 38.8 22.7 42.3

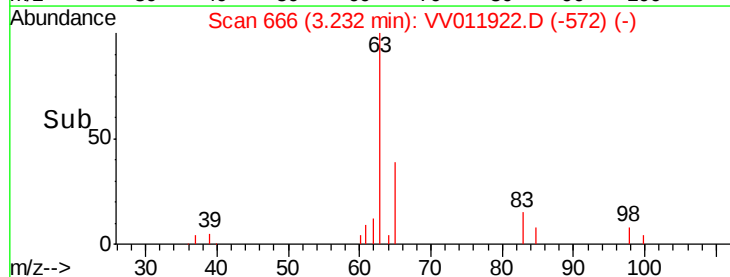
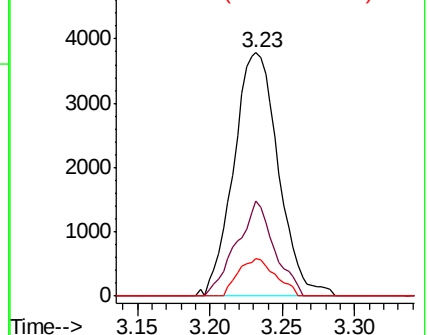
83 15.2 9.4 17.6

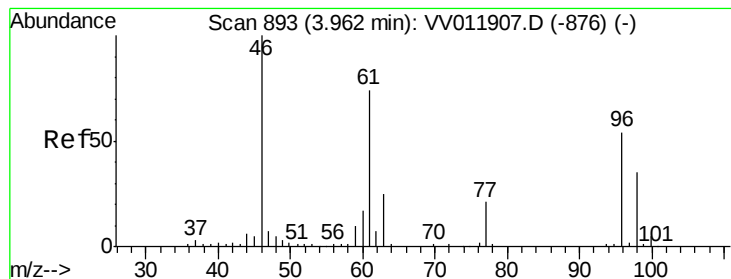


Abundance Ion 63.10 (62.80 to 63.80): VV011907.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV011907.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV011907.D (-649) (-)



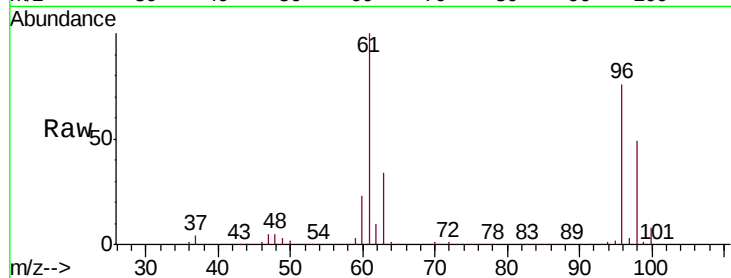


#22

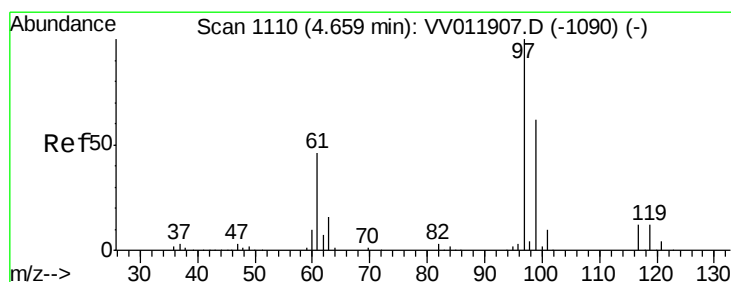
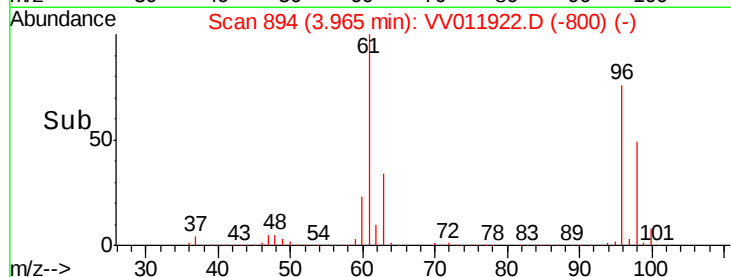
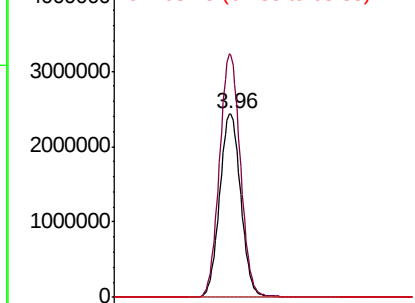
cis-1,2-Dichloroethene
Concen: 527.645 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV011922.D
Acq: 17 Jul 2019 19:51

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 96 Resp: 5977630
Ion Ratio Lower Upper
96 100
61 131.9 95.2 176.8
68 0.0 0.0 0.0



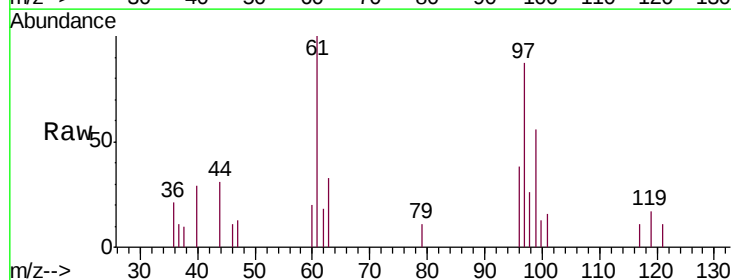
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



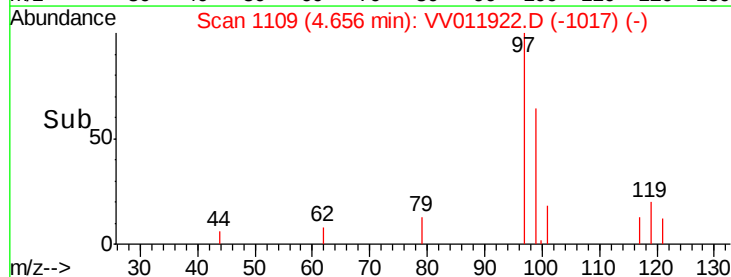
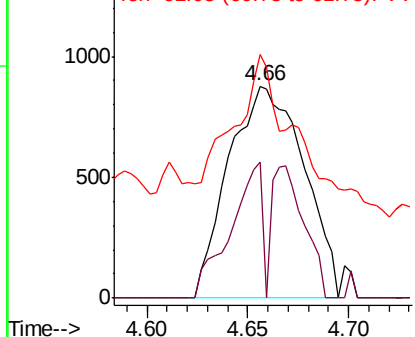
#29

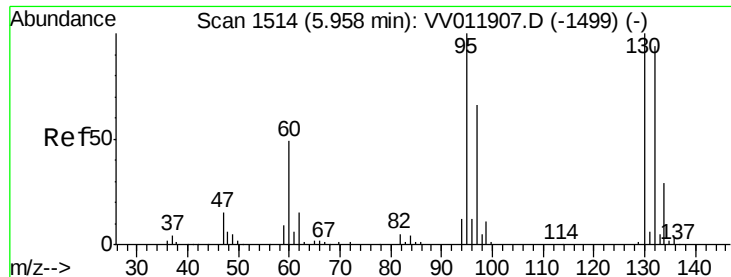
1,1,1-Trichloroethane
Concen: 0.129 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV011922.D
Acq: 17 Jul 2019 19:51

Tgt Ion: 97 Resp: 2275
Ion Ratio Lower Upper
97 100
99 26.7 51.1 76.7#
61 67.2 38.6 57.8#



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





#34

Trichloroethene

Concen: 408.031 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV011922.D

Acq: 17 Jul 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

A52M6

Tgt Ion: 95 Resp: 5094744

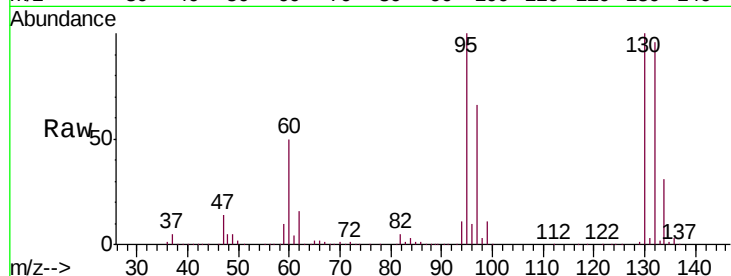
Ion Ratio Lower Upper

95 100

97 65.5 44.0 81.6

132 95.8 67.0 124.4

130 99.6 69.1 128.3

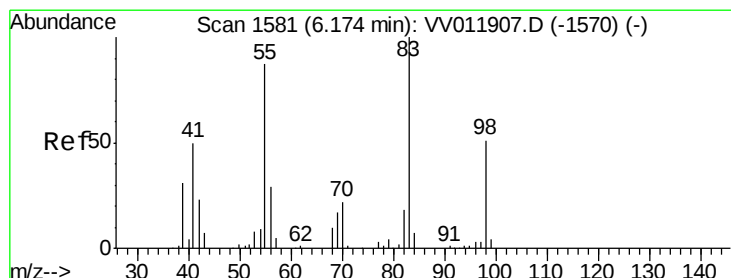
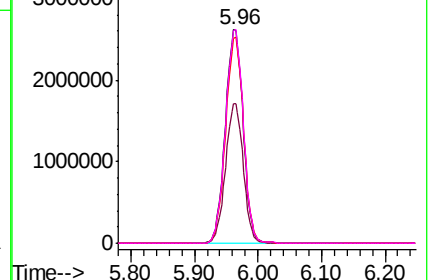
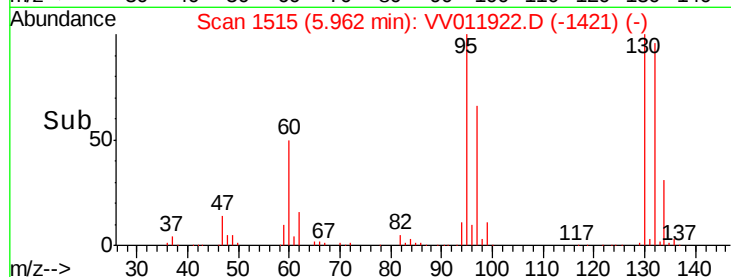


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.860 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV011922.D

Acq: 17 Jul 2019 19:51

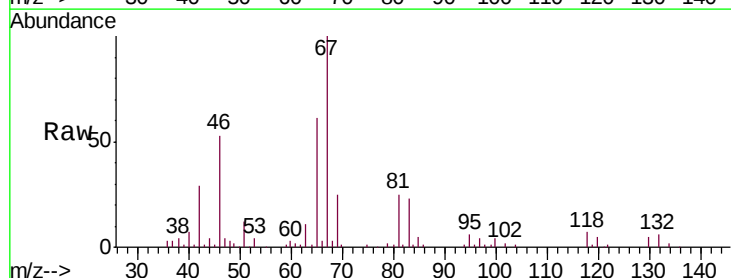
Tgt Ion: 83 Resp: 16292

Ion Ratio Lower Upper

83 100

55 0.9 66.7 100.1#

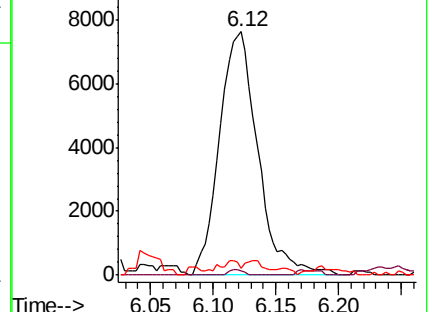
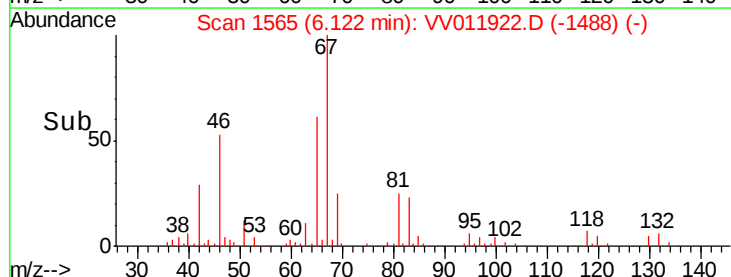
98 0.0 39.0 58.4#

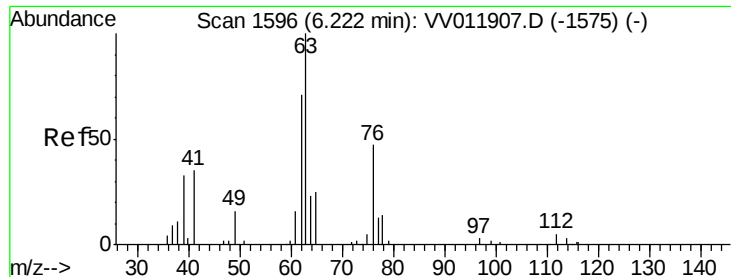


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

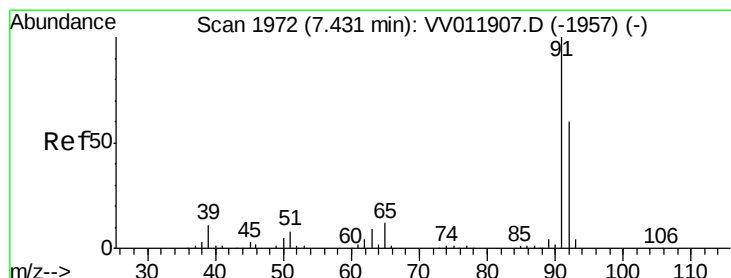
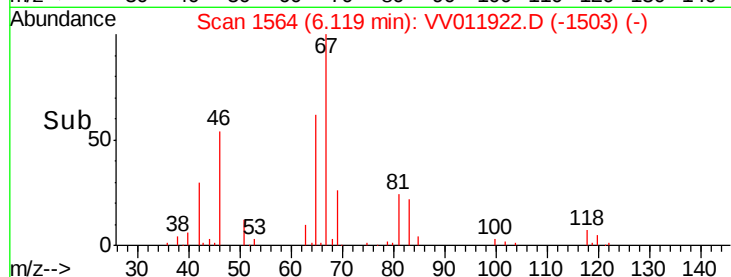
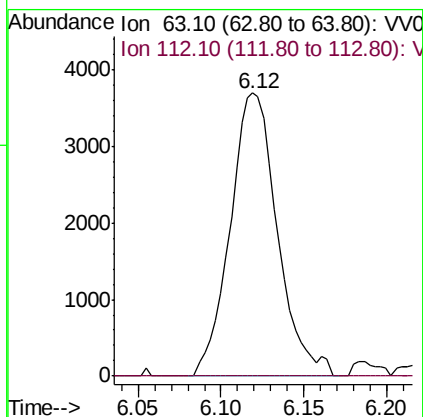
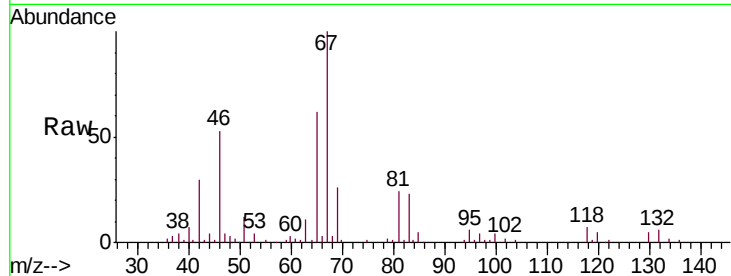




#37
 1,2-Dichloropropane
 Concen: 0.667 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011922.D
 Acq: 17 Jul 2019 19:51

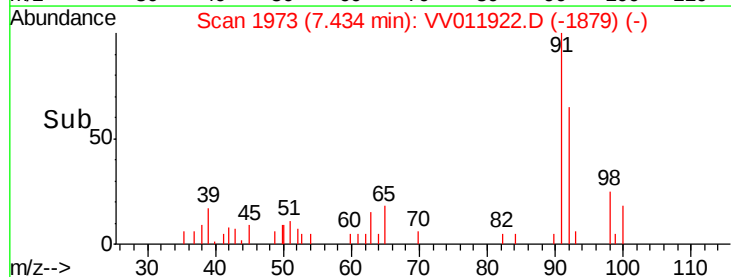
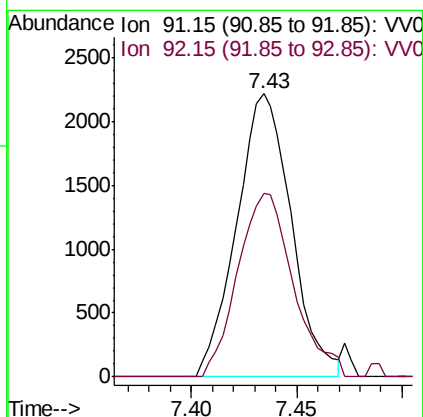
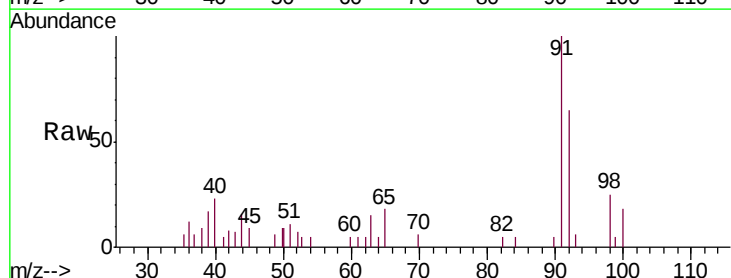
Instrument :
 MSVOA_V
 ClientSampleId :
 A52M6

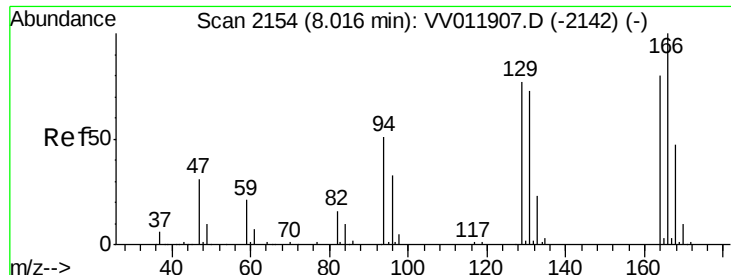
Tgt Ion: 63 Resp: 7313
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.4 5.2#



#42
 Toluene
 Concen: 0.085 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV011922.D
 Acq: 17 Jul 2019 19:51

Tgt Ion: 91 Resp: 3986
 Ion Ratio Lower Upper
 91 100
 92 64.9 41.1 76.3

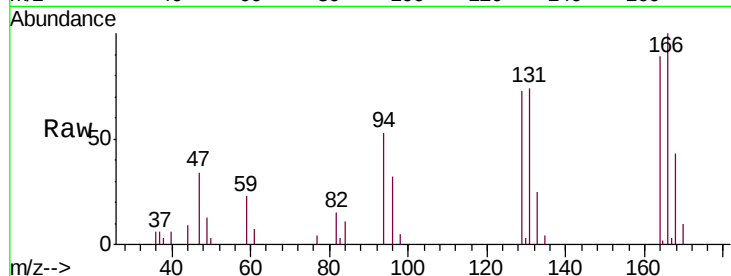




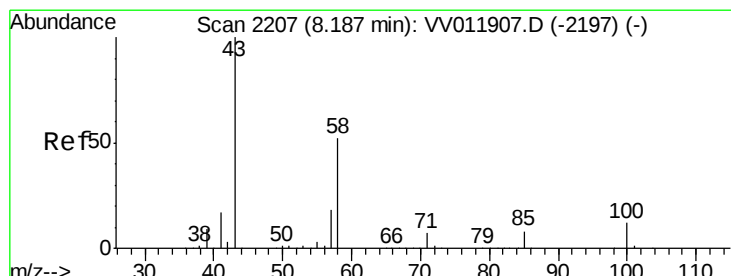
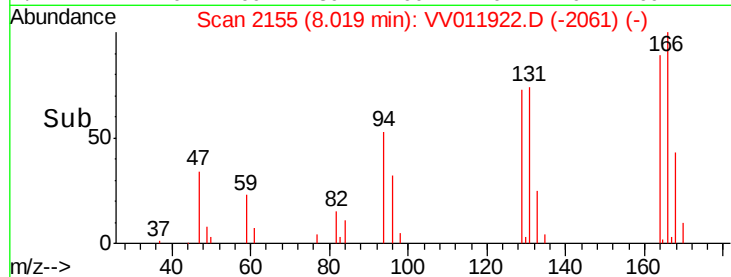
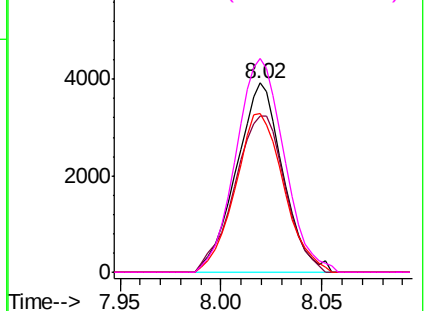
#47
Tetrachloroethene
Concen: 0.690 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV011922.D
Acq: 17 Jul 2019 19:51

Instrument :
MSVOA_V
ClientSampleId :
A52M6

Tgt Ion: 164 Resp: 6341
Ion Ratio Lower Upper
164 100
129 82.8 68.6 127.4
131 83.7 64.6 120.0
166 112.8 89.7 166.7

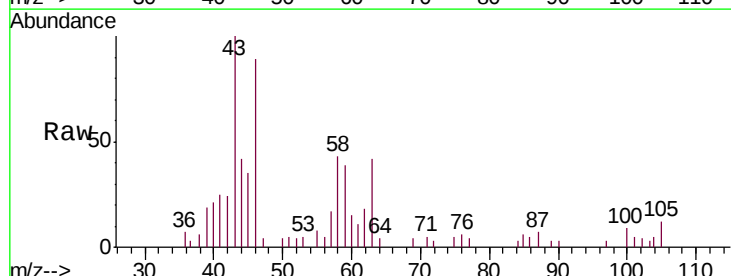


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

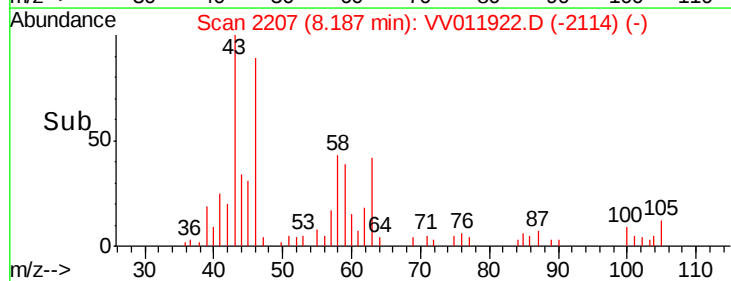
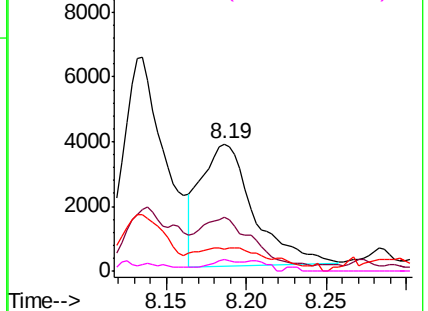


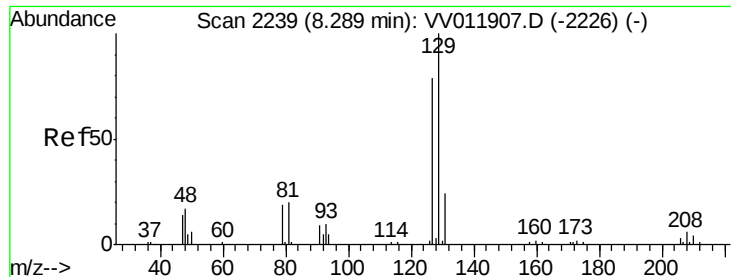
#48
2-Hexanone
Concen: 1.849 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011922.D
Acq: 17 Jul 2019 19:51

Tgt Ion: 43 Resp: 8722
Ion Ratio Lower Upper
43 100
58 40.5 41.1 61.7#
57 2.7 14.3 21.5#
100 2.8 8.7 13.1#



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

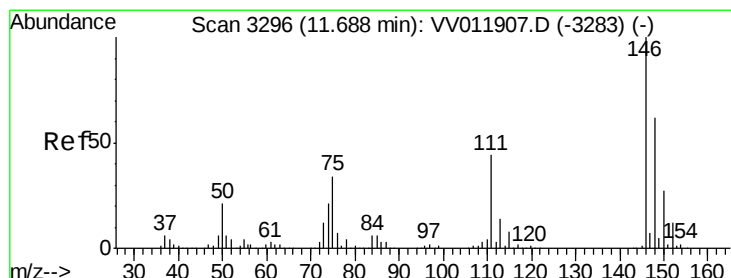
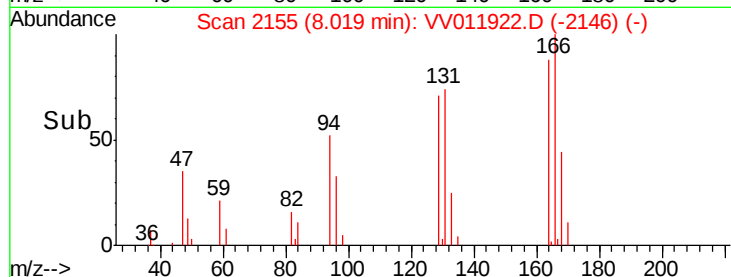
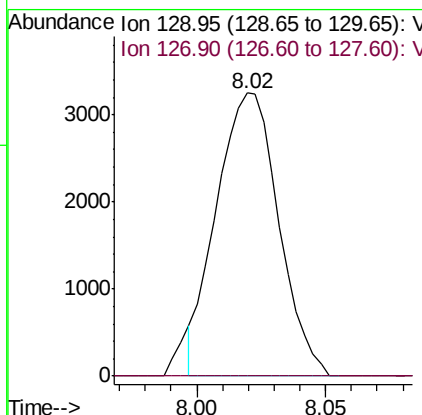
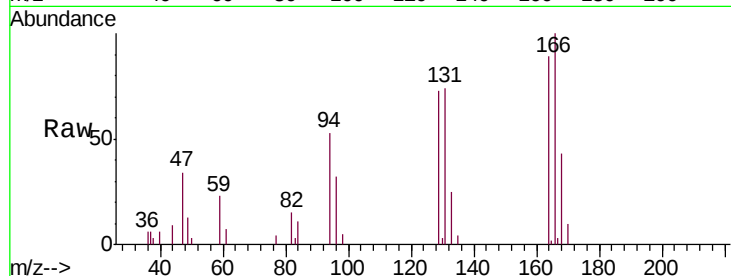




#49
 Dibromochloromethane
 Concen: 0.678 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV011922.D
 Acq: 17 Jul 2019 19:51

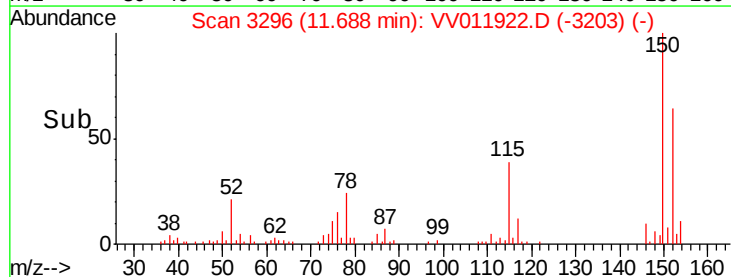
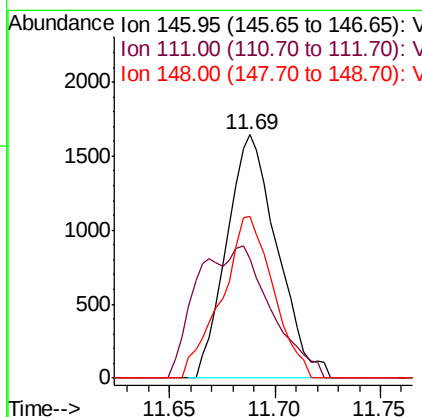
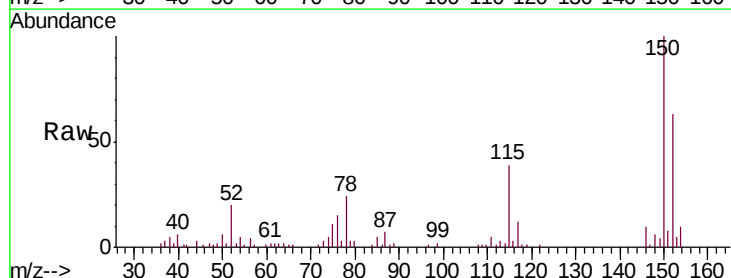
Instrument :
 MSVOA_V
 ClientSampled :
 A52M6

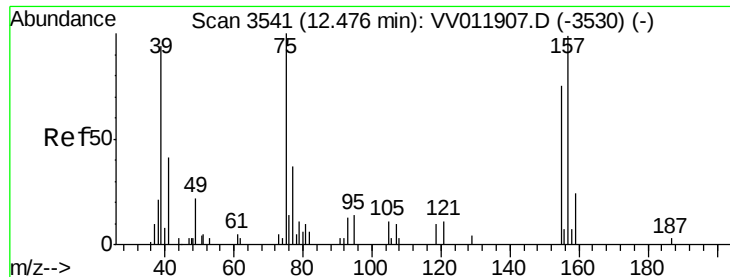
Tgt Ion:129 Resp: 5453
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.3 100.9#



#65
 1,2-Dichlorobenzene
 Concen: 0.142 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV011922.D
 Acq: 17 Jul 2019 19:51

Tgt Ion:146 Resp: 2731
 Ion Ratio Lower Upper
 146 100
 111 49.1 34.0 51.0
 148 66.4 51.8 77.6





#66

1,2-Dibromo-3-chloropropane

Concen: 2.050 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.03 min

Lab File: VV011922.D

Acq: 17 Jul 2019 19:51

Instrument :

MSVOA_V

ClientSampleId :

A52M6

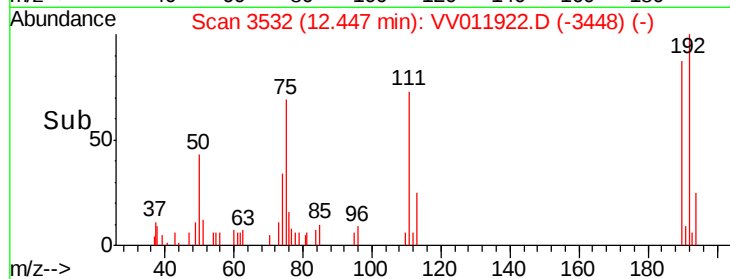
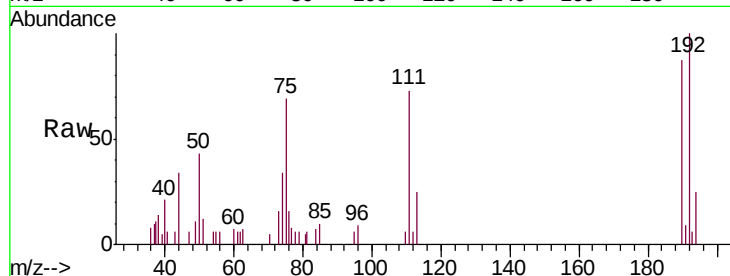
Tgt Ion: 75 Resp: 2233

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

157 0.0 85.5 128.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

