

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022420\
 Data File : VV014698.D
 Acq On : 24 Feb 2020 14:43
 Operator : SY/MD
 Sample : L1608-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ8RE

Quant Time: Feb 25 06:40:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 06:37:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	168886	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	161744	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	76569	50.00	ug/L	0.00

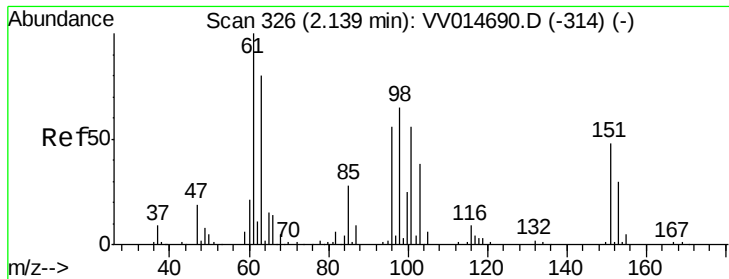
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33612	50.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.92%
7) Chloroethane-d5	1.59	69	28363	59.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.66%
11) 1,1-Dichloroethene-d2	2.13	63	59009	48.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.00%
21) 2-Butanone-d5	3.95	46	93164	151.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	151.95%#
24) Chloroform-d	4.40	84	150465	69.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	139.36%#
26) 1,2-Dichloroethane-d4	5.08	65	103667	75.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	150.18%#
32) Benzene-d6	5.10	84	291907	68.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	136.38%#
36) 1,2-Dichloropropane-d6	6.11	67	86081	68.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	137.92%#
41) Toluene-d8	7.36	98	270269	65.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	131.10%#
43) trans-1,3-Dichloropropene-	7.66	79	47552	68.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	136.00%#
47) 2-Hexanone-d5	8.14	63	73030	145.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	145.97%#
57) 1,1,2,2-Tetrachloroethane-	10.25	84	126955	73.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	146.80%#
64) 1,2-Dichlorobenzene-d4	11.67	152	112518	75.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	150.22%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	517	0.904	ug/L #	17
12) 1,1-Dichloroethene	2.13	96	580	1.127	ug/L #	1
13) Acetone	2.21	43	653	1.199	ug/L	86
25) Chloroform	4.43	83	5939	2.837	ug/L	96
34) Trichloroethene	5.96	95	1697	1.398	ug/L #	73
35) Methylcyclohexane	6.11	83	24100	13.904	ug/L #	21
37) 1,2-Dichloropropane	6.11	63	10892	10.676	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	3429	1.882	ug/L #	74
44) trans-1,3-Dichloropropene	7.66	75	2134	1.291	ug/L	87
48) 2-Hexanone	8.14	43	9922	10.009	ug/L #	76
59) 1,2,3-Trichloropropane	11.29	75	8328	6.033	ug/L #	78

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



#10

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

Concen: 0.904 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014698.D

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MSVOA_V

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C0AQ8RE

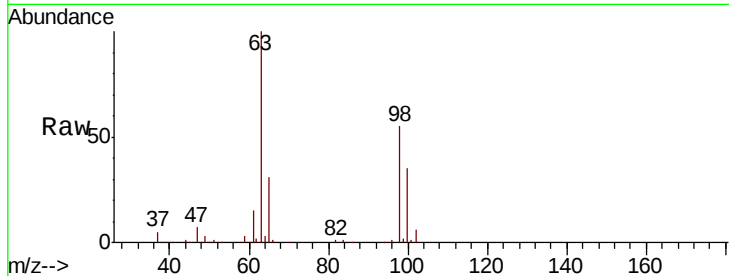
Tot Ion:101 Resp: 517

Ion Ratio Lower Upper

101 100

85 0.0 37.3 55.9#

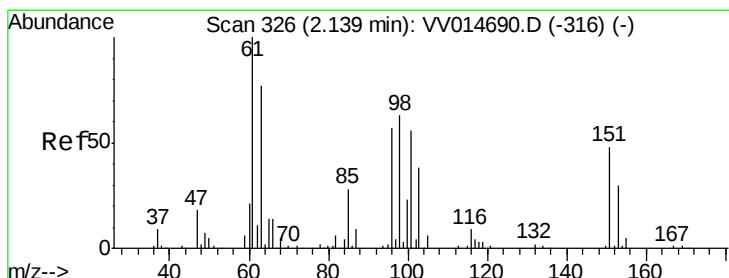
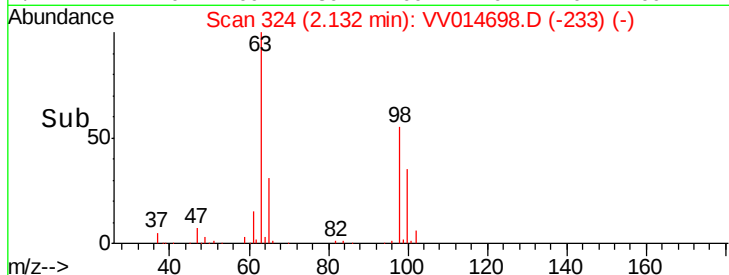
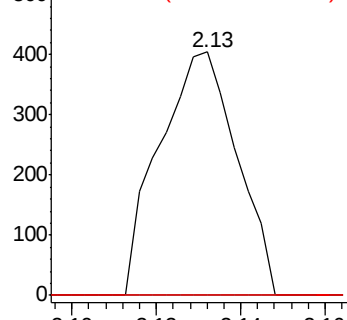
151 0.0 64.6 96.8#



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: 1.127 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV014698.D

Acq: 24 Feb 2020 14:43

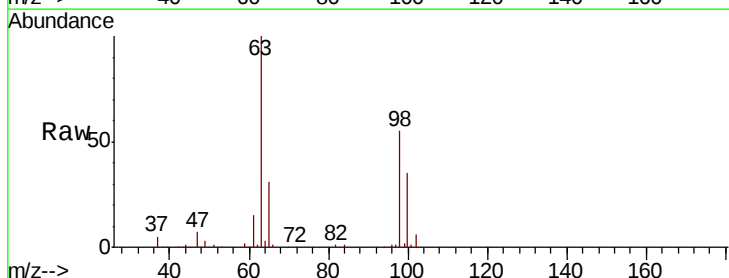
Tgt Ion: 96 Resp: 580

Ion Ratio Lower Upper

96 100

61 1262.2 124.5 231.1#

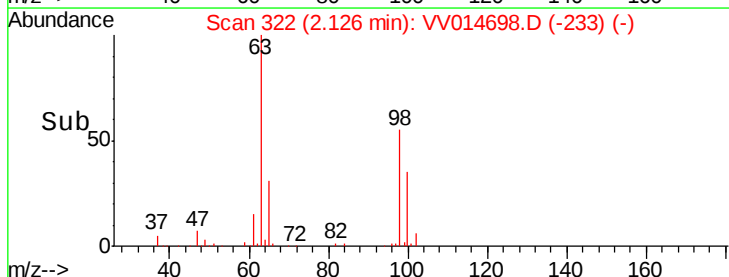
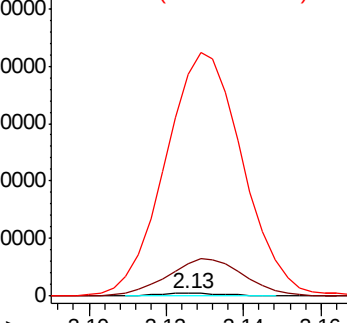
63 8621.0 98.1 182.1#

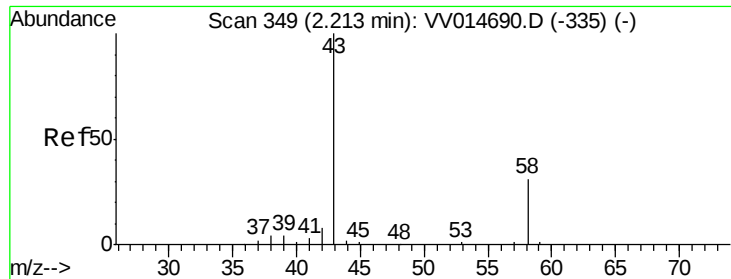


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.199 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV014698.D

Acq: 24 Feb 2020 14:43

Instrument :

MSVOA_V

ClientSampleId :

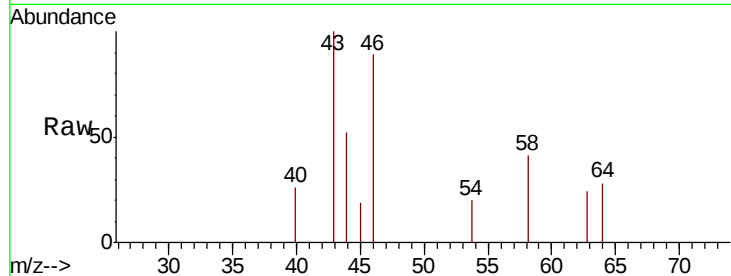
C0AQ8RE

Tot Ion: 43 Resp: 653

Ion Ratio Lower Upper

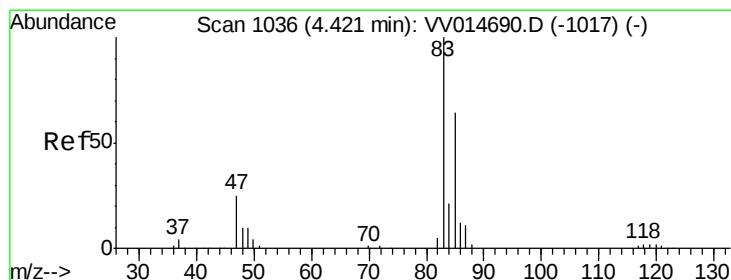
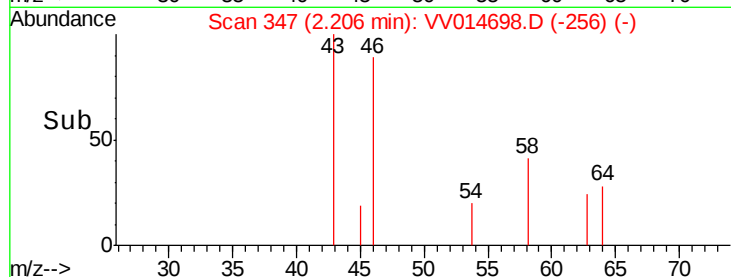
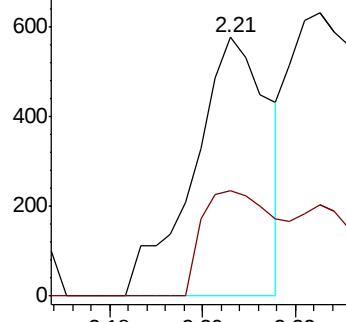
43 100

58 41.3 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VV014698.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV014698.D (-335) (-)



#25

Chloroform

Concen: 2.837 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV014698.D

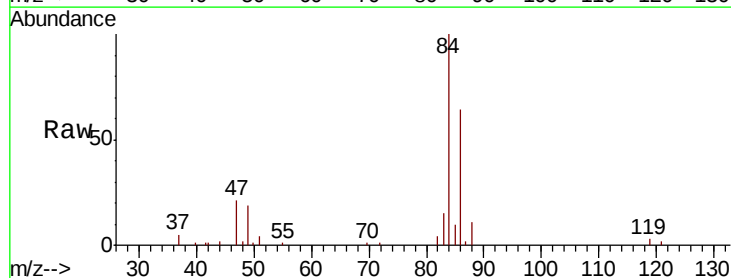
Acq: 24 Feb 2020 14:43

Tgt Ion: 83 Resp: 5939

Ion Ratio Lower Upper

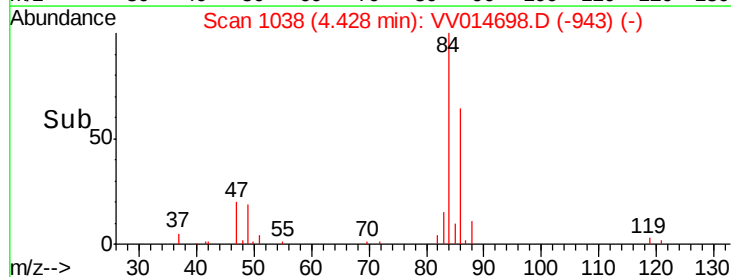
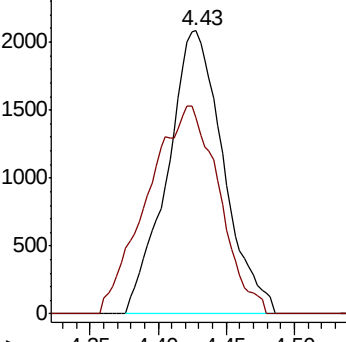
83 100

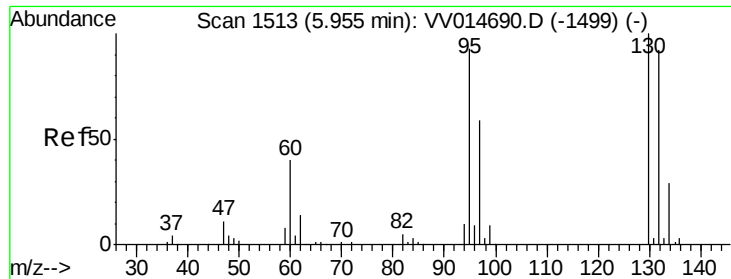
85 69.3 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV014698.D (-943) (-)

Ion 85.00 (84.70 to 85.70): VV014698.D (-943) (-)

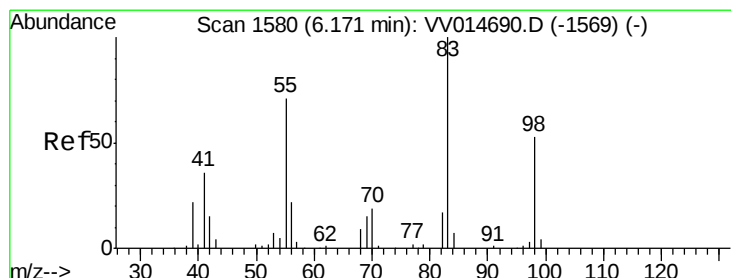
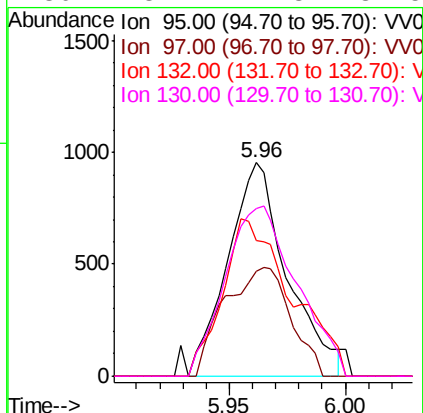
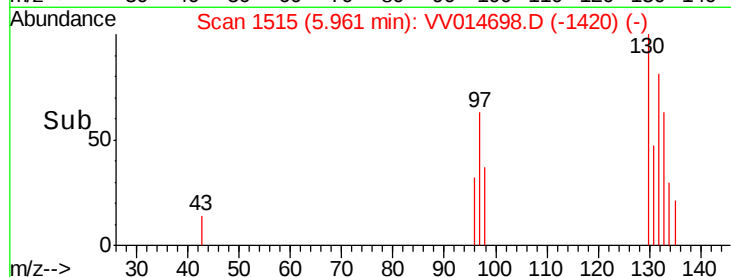
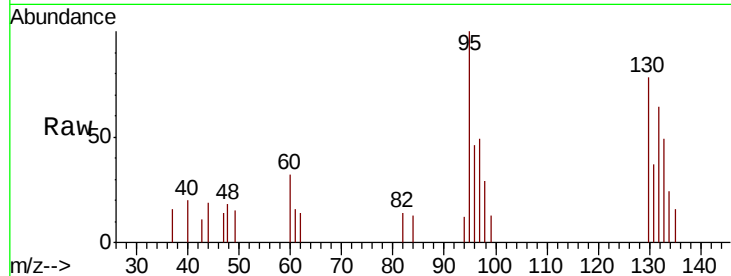




#34
 Trichloroethene
 Concen: 1.398 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VV014698.D
 Acq: 24 Feb 2020 14:43

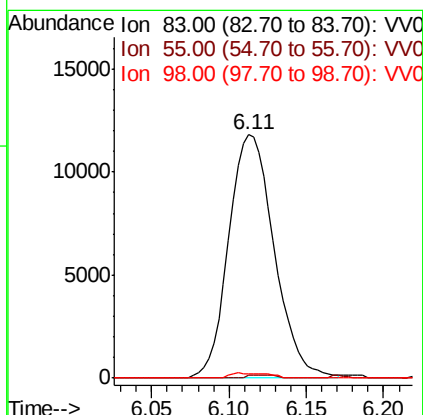
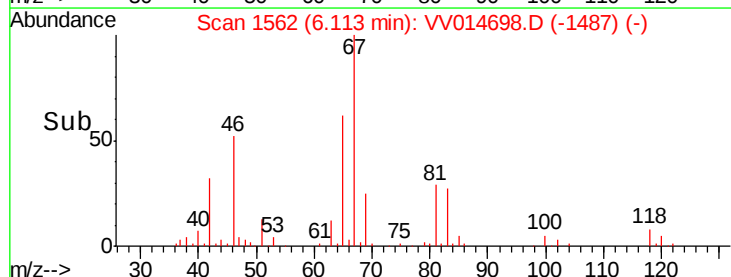
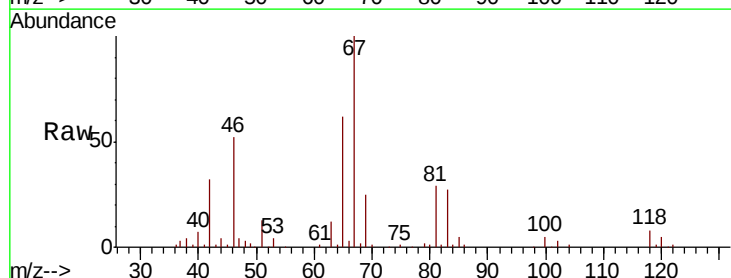
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ8RE

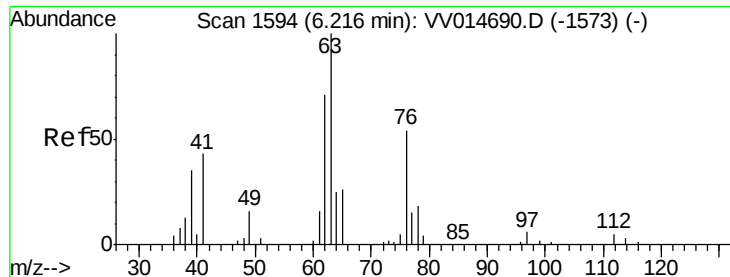
Tot Ion: 95 Resp: 1697
 Ion Ratio Lower Upper
 95 100
 97 49.3 44.3 82.3
 132 63.7 69.7 129.4#
 130 78.4 71.3 132.5



#35
 Methylcyclohexane
 Concen: 13.904 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV014698.D
 Acq: 24 Feb 2020 14:43

Tgt Ion: 83 Resp: 24100
 Ion Ratio Lower Upper
 83 100
 55 0.8 56.1 84.1#
 98 1.1 40.4 60.6#

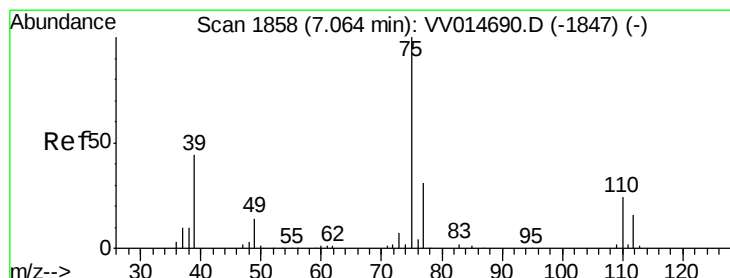
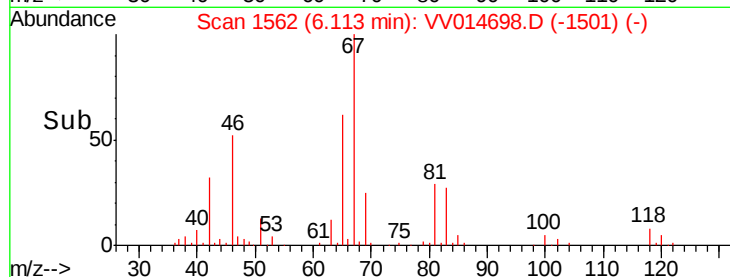
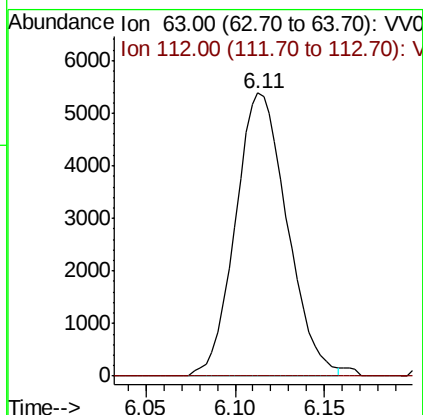
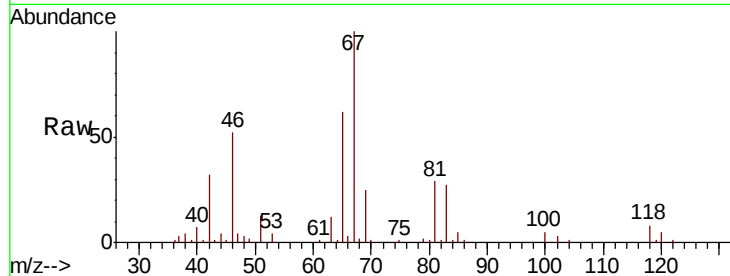




#37
 1,2-Dichloropropane
 Concen: 10.676 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV014698.D
 Acq: 24 Feb 2020 14:43

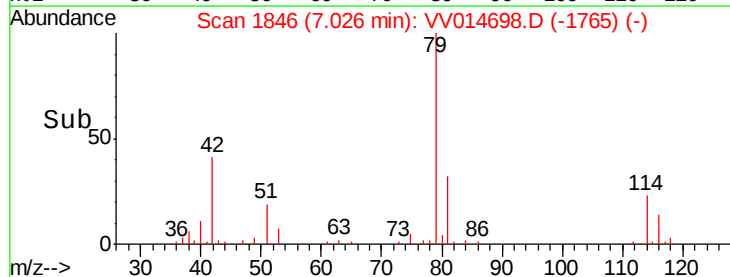
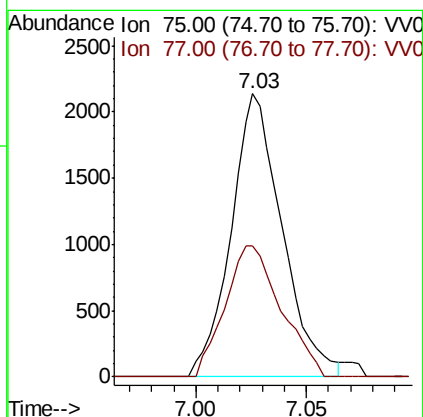
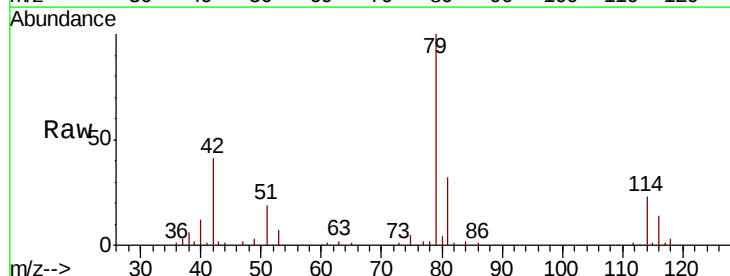
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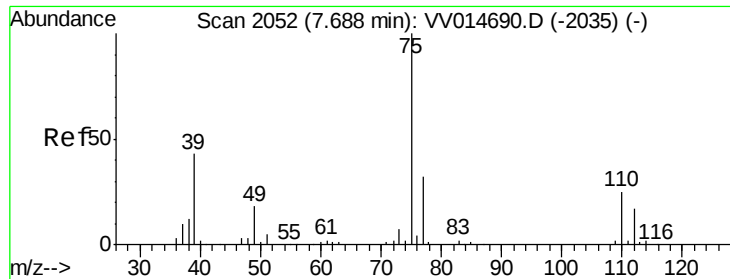
Tot Ion: 63 Resp: 10892
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.882 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV014698.D
 Acq: 24 Feb 2020 14:43

Tgt Ion: 75 Resp: 3429
 Ion Ratio Lower Upper
 75 100
 77 46.5 22.4 41.6#





#44

trans-1,3-Dichloropropene

Concen: 1.291 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV014698.D

Acq: 24 Feb 2020 14:43

Instrument :

MSVOA_V

ClientSampled :

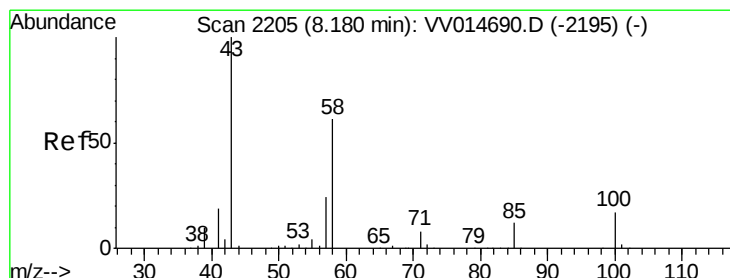
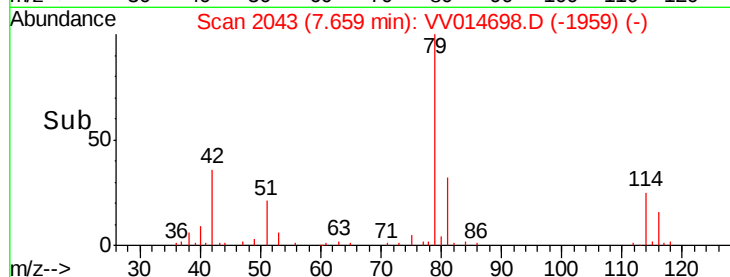
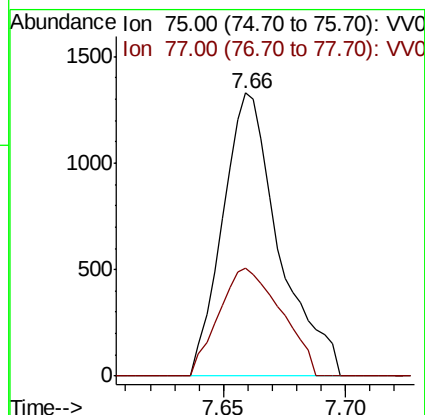
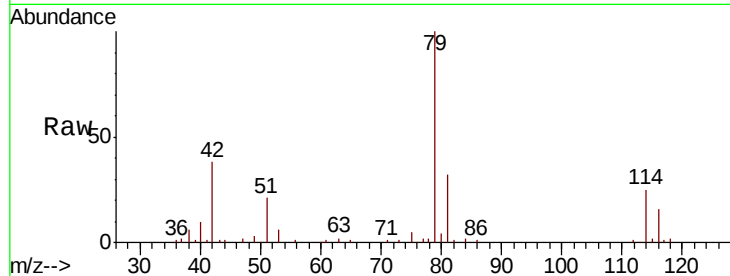
C0AQ8RE

Tot Ion: 75 Resp: 2134

Ion Ratio Lower Upper

75 100

77 38.3 21.9 40.7



#48

2-Hexanone

Concen: 10.009 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV014698.D

Acq: 24 Feb 2020 14:43

Tgt Ion: 43 Resp: 9922

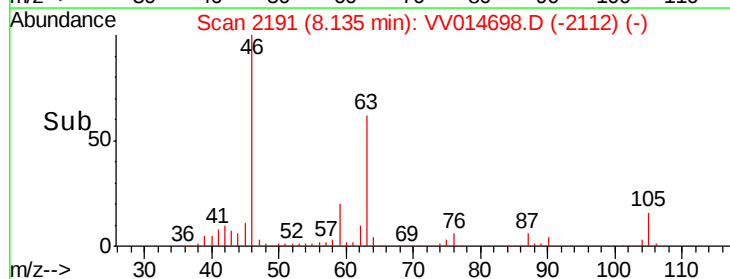
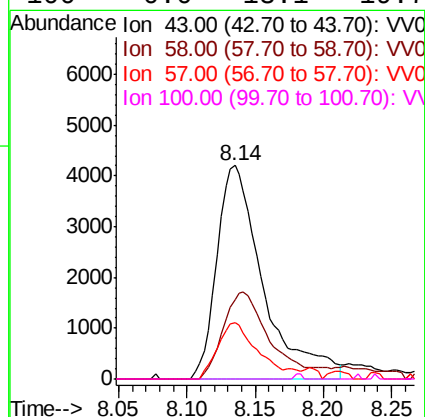
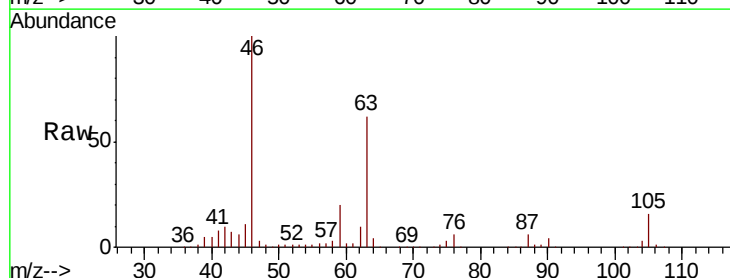
Ion Ratio Lower Upper

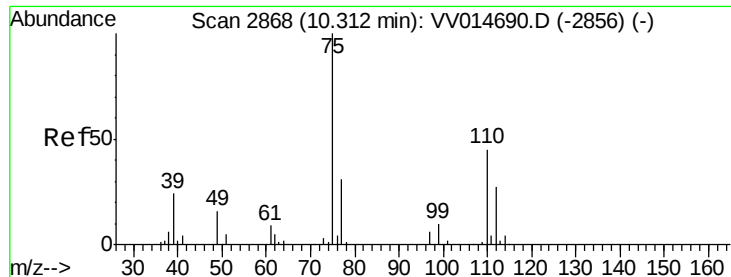
43 100

58 39.9 49.4 74.2#

57 22.1 17.8 26.8

100 0.0 13.1 19.7#





#59

1,2,3-Trichloropropane

Concen: 6.033 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV014698.D

Acq: 24 Feb 2020 14:43

Instrument :

MSVOA_V

ClientSampleId :

C0AQ8RE

Tot Ion: 75 Resp: 8328

Ion Ratio Lower Upper

75 100

77 44.6 25.7 38.5#

