

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022420\
 Data File : VV014696.D
 Acq On : 24 Feb 2020 13:56
 Operator : SY/MD
 Sample : L1607-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AP9

Quant Time: Feb 25 06:39:59 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	206999	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	195319	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	93108	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27022	33.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.84%
7) Chloroethane-d5	1.59	69	24106	41.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.28%
11) 1,1-Dichloroethene-d2	2.13	63	49587	32.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.82%
21) 2-Butanone-d5	4.17	46	292	0.39	ug/L	0.23
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.39%#
24) Chloroform-d	4.40	84	121847	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
26) 1,2-Dichloroethane-d4	5.08	65	85610	50.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.18%
32) Benzene-d6	5.10	84	242514	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.82%
36) 1,2-Dichloropropane-d6	6.12	67	71879	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.36%
41) Toluene-d8	7.36	98	224573	45.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.66	79	39659	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
47) 2-Hexanone-d5	8.13	63	57801	95.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.67%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	103455	49.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.06%
64) 1,2-Dichlorobenzene-d4	11.67	152	92491	50.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.54%

Target Compounds

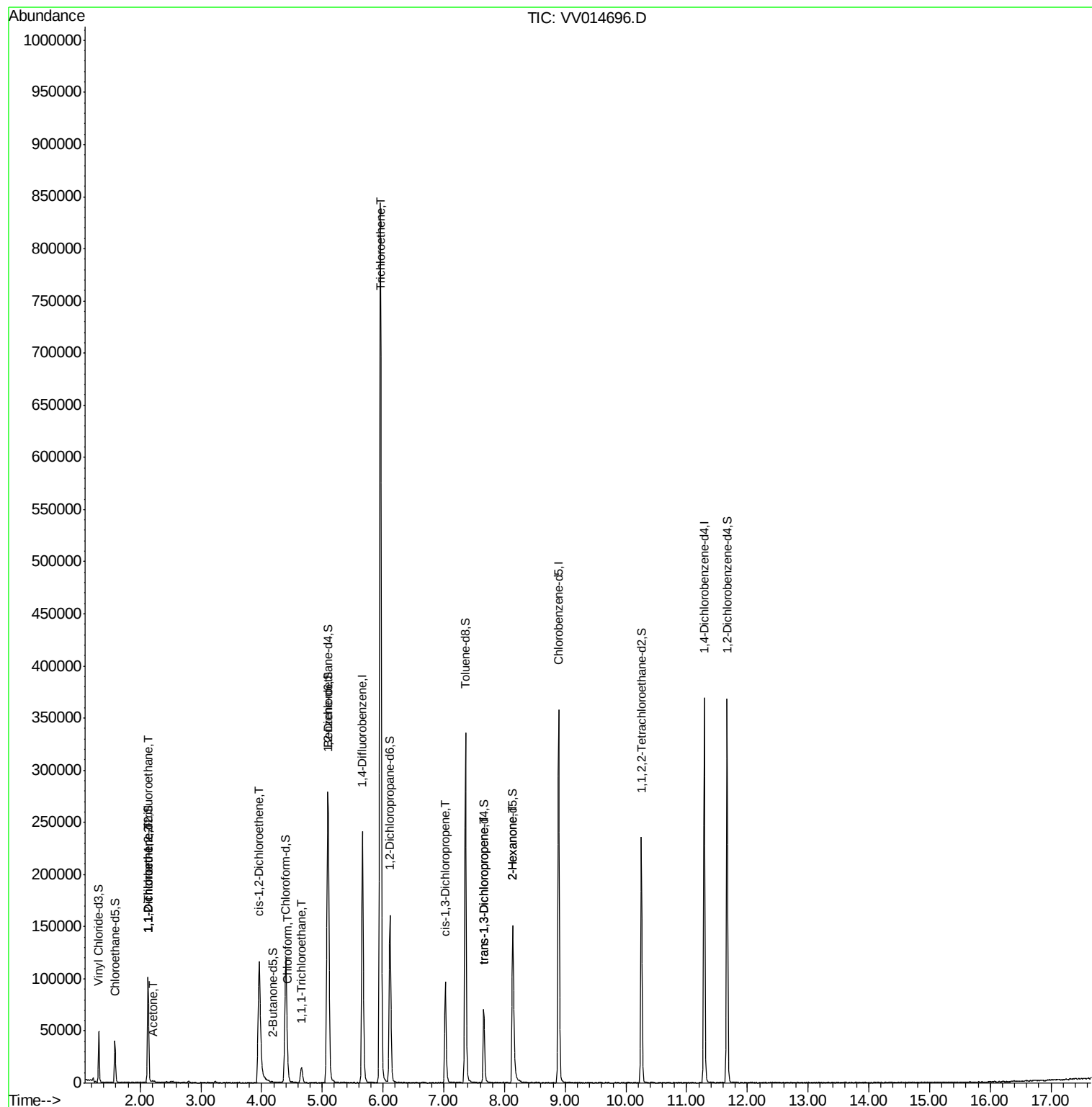
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	480	0.685 ug/L #	17
12) 1,1-Dichloroethene	2.14	96	2353	3.729 ug/L #	1
13) Acetone	2.22	43	1767	2.648 ug/L	66
20) cis-1,2-Dichloroethene	3.96	96	49341	34.718 ug/L	98
25) Chloroform	4.43	83	6354	2.477 ug/L	93
30) 1,1,1-Trichloroethane	4.66	97	11948	5.260 ug/L	98
34) Trichloroethene	5.95	95	289795	197.636 ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	2665	1.211 ug/L #	72
44) trans-1,3-Dichloropropene	7.66	75	1820	0.912 ug/L	84
48) 2-Hexanone	8.13	43	8111	6.776 ug/L #	75

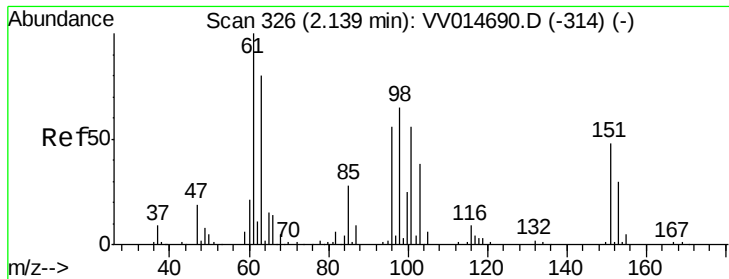
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Feb 25 06:39:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 25 06:37:27 2020
Response via : Initial Calibration





#10

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

Concen: 0.685 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014696.D

Acq: 24 Feb 2020 13:56

Instrument :

MSVOA_V

ClientSampled :

C0AP9

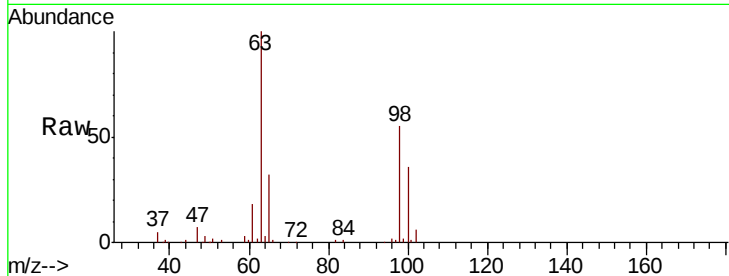
Tot Ion:101 Resp: 480

Ion Ratio Lower Upper

101 100

85 0.0 37.3 55.9#

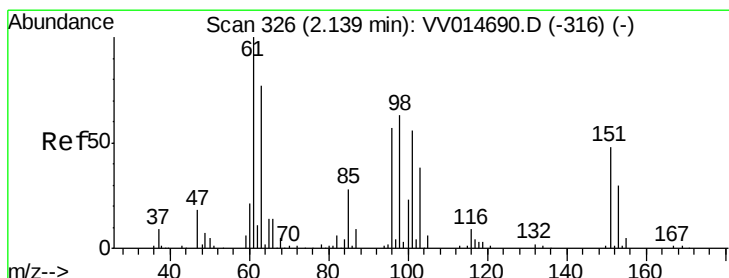
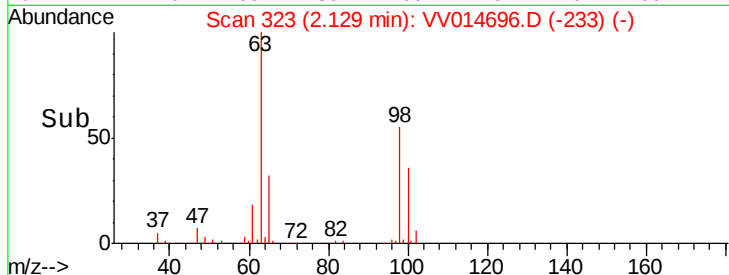
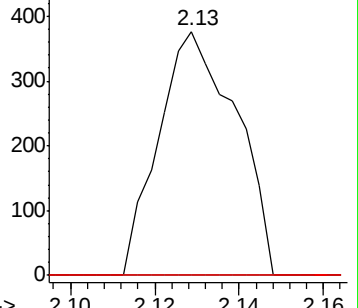
151 0.0 64.6 96.8#



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: 3.729 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014696.D

Acq: 24 Feb 2020 13:56

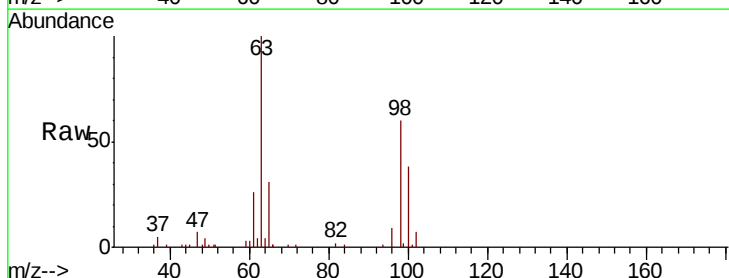
Tgt Ion: 96 Resp: 2353

Ion Ratio Lower Upper

96 100

61 277.2 124.5 231.1#

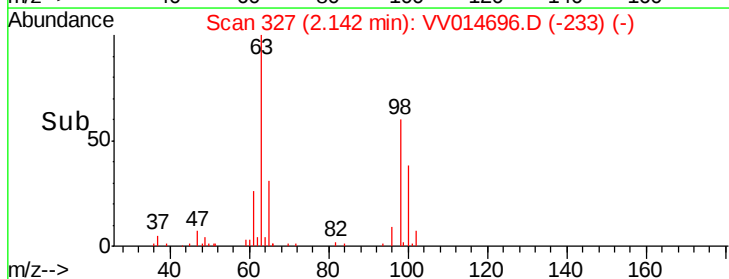
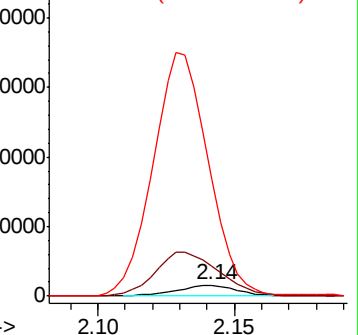
63 1074.7 98.1 182.1#

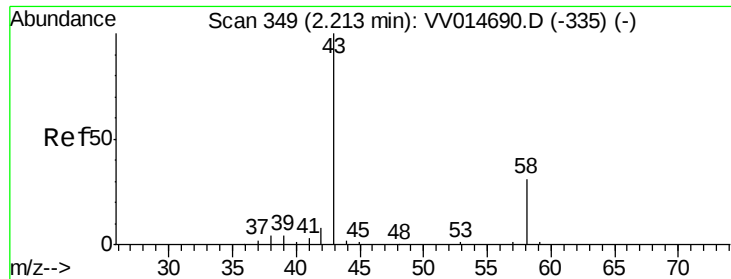


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.648 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV014696.D

Acq: 24 Feb 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

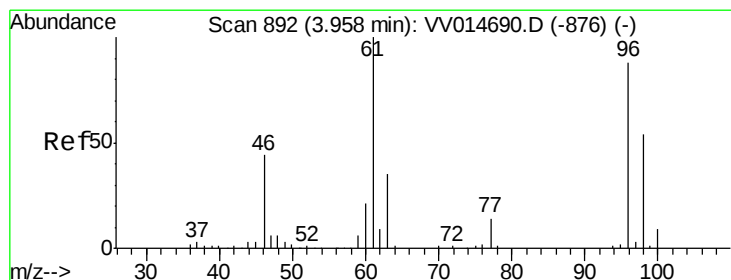
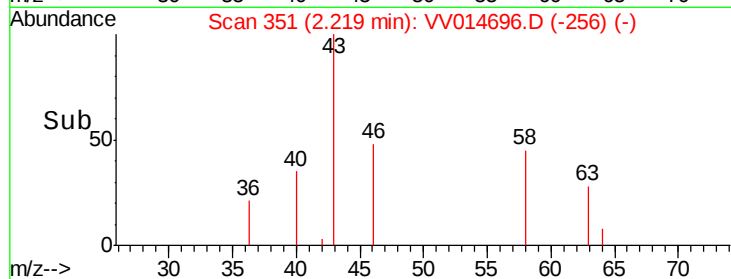
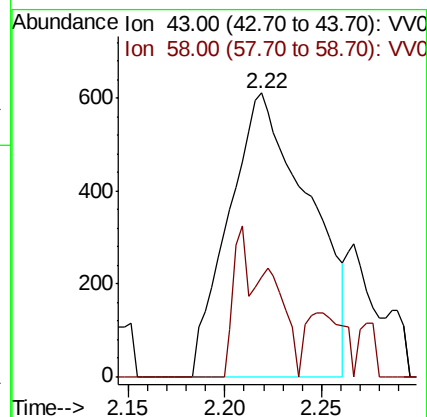
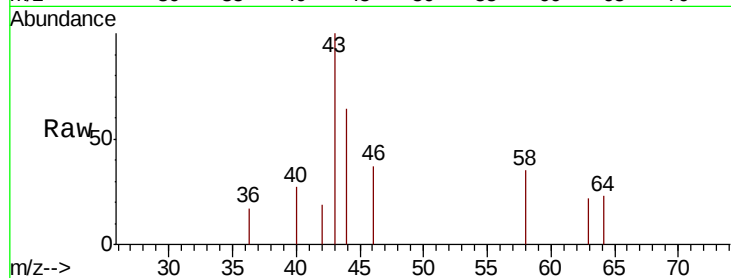
C0AP9

Tot Ion: 43 Resp: 1767

Ion Ratio Lower Upper

43 100

58 14.0 0.0 66.8



#20

cis-1,2-Dichloroethene

Concen: 34.718 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014696.D

Acq: 24 Feb 2020 13:56

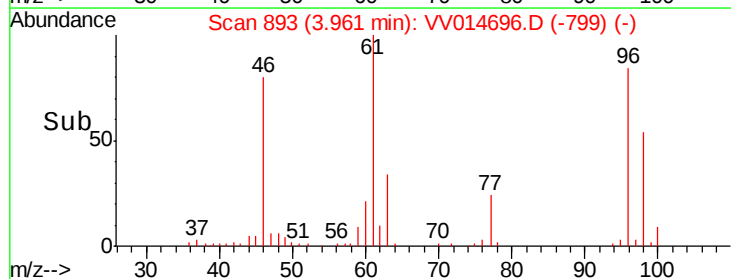
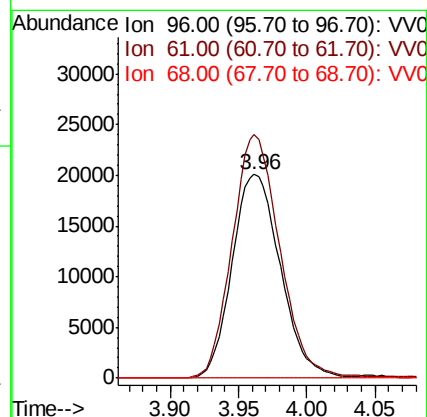
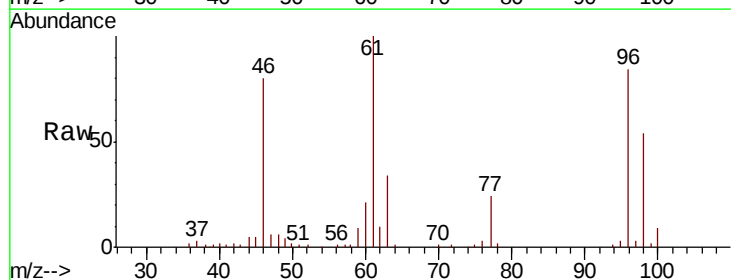
Tgt Ion: 96 Resp: 49341

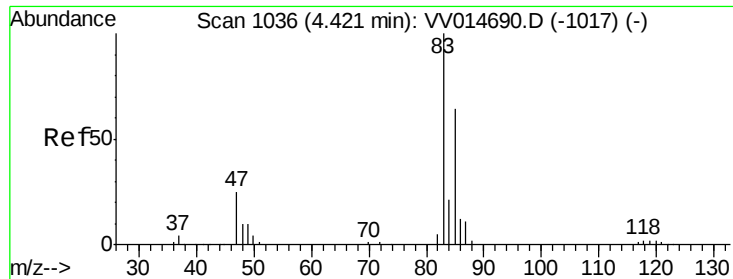
Ion Ratio Lower Upper

96 100

61 119.5 82.4 153.0

68 0.0 0.0 0.0

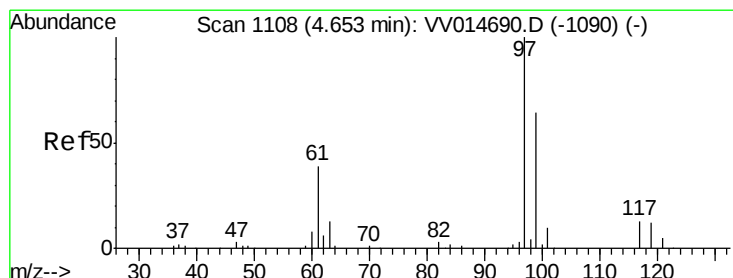
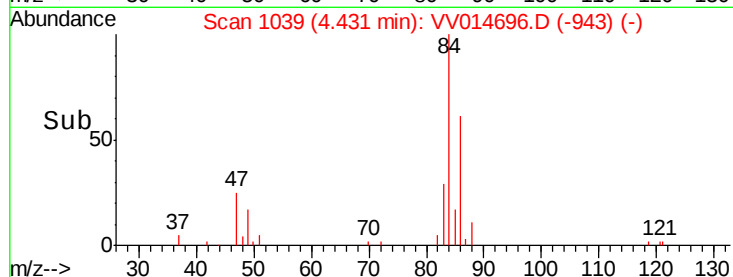
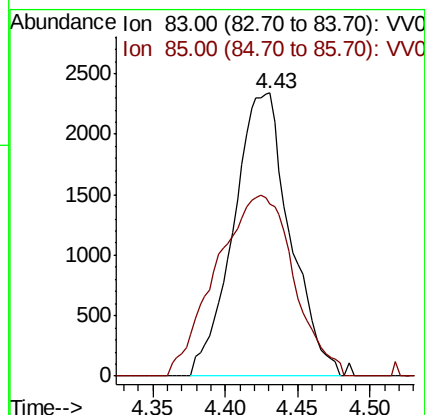
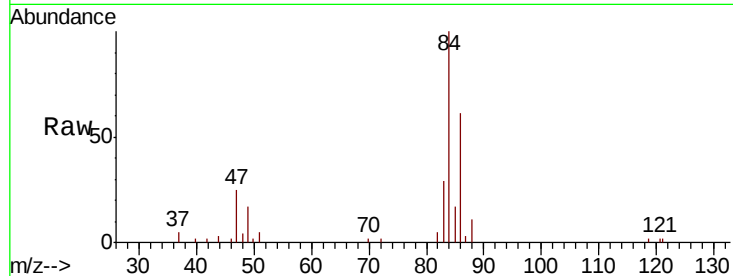




#25
Chloroform
Concen: 2.477 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV014696.D
Acq: 24 Feb 2020 13:56

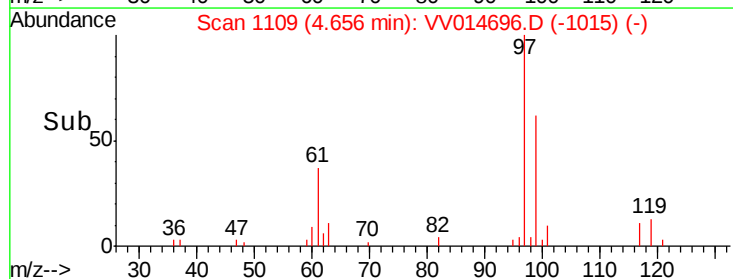
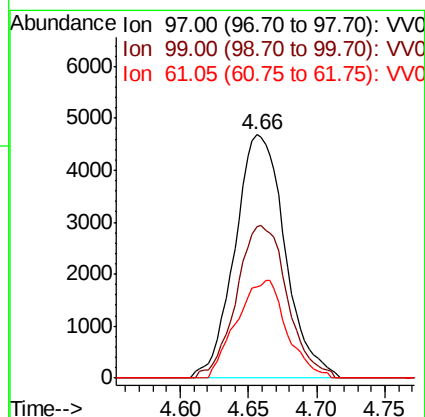
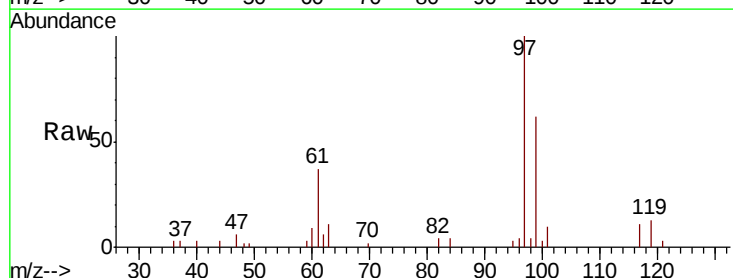
Instrument :
MSVOA_V
ClientSampled :
C0AP9

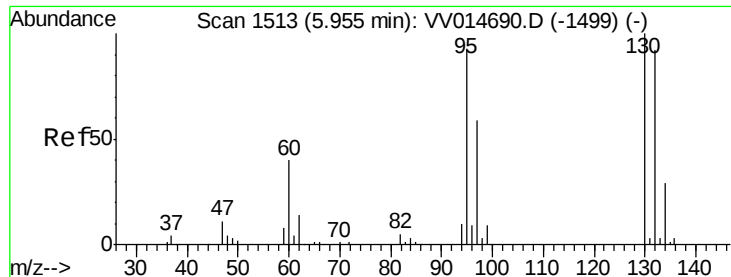
Tot Ion: 83 Resp: 6354
Ion Ratio Lower Upper
83 100
85 60.7 46.1 85.7



#30
1,1,1-Trichloroethane
Concen: 5.260 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014696.D
Acq: 24 Feb 2020 13:56

Tgt Ion: 97 Resp: 11948
Ion Ratio Lower Upper
97 100
99 63.5 52.0 78.0
61 40.0 31.4 47.0





#34

Trichloroethene

Concen: 197.636 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014696.D

Acq: 24 Feb 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

C0AP9

Tot Ion: 95 Resp: 289795

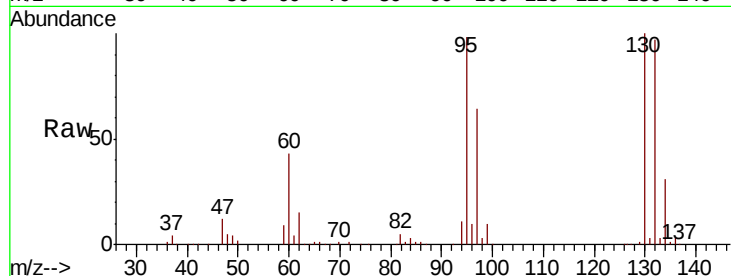
Ion Ratio Lower Upper

95 100

97 65.5 44.3 82.3

132 98.4 69.7 129.4

130 101.5 71.3 132.5

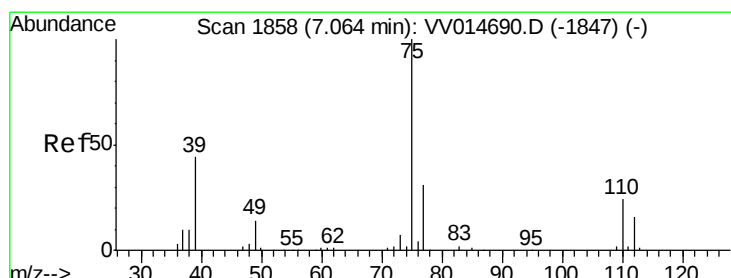
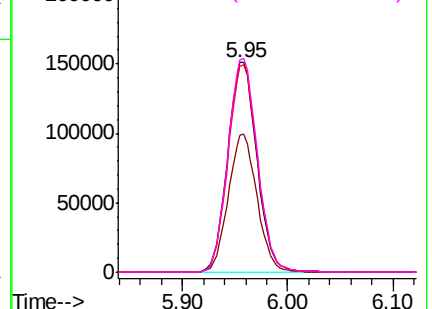
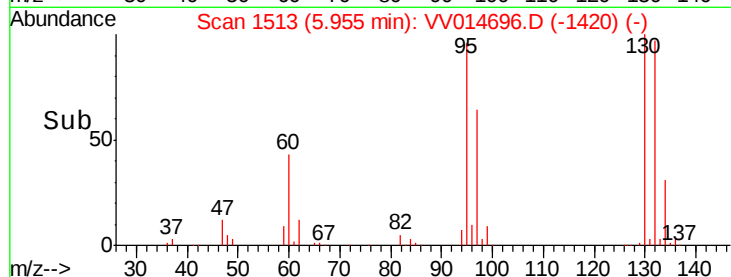


Abundance Ion 95.00 (94.70 to 95.70): VV014696.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV014696.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV014696.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV014696.D (-1499) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.211 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV014696.D

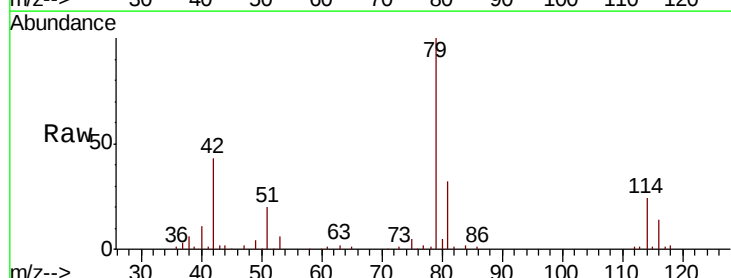
Acq: 24 Feb 2020 13:56

Tgt Ion: 75 Resp: 2665

Ion Ratio Lower Upper

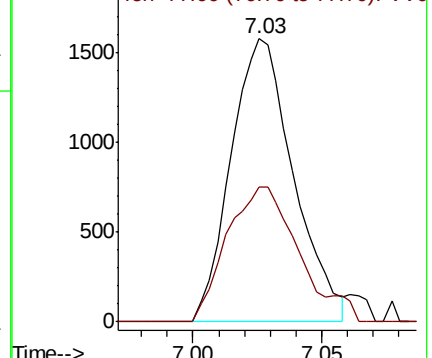
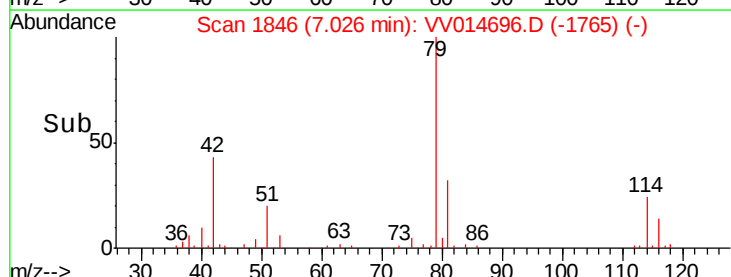
75 100

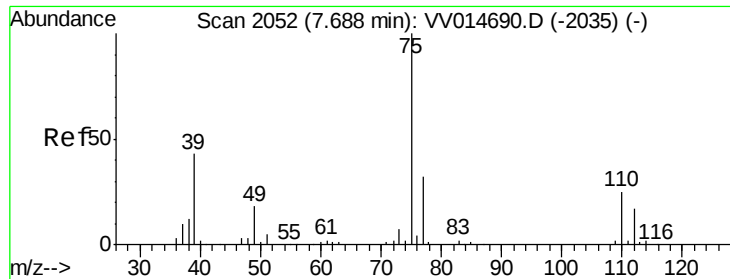
77 47.7 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV014696.D (-1765) (-)

Ion 77.00 (76.70 to 77.70): VV014696.D (-1765) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.912 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV014696.D

Acq: 24 Feb 2020 13:56

Instrument :

MSVOA_V

ClientSampled :

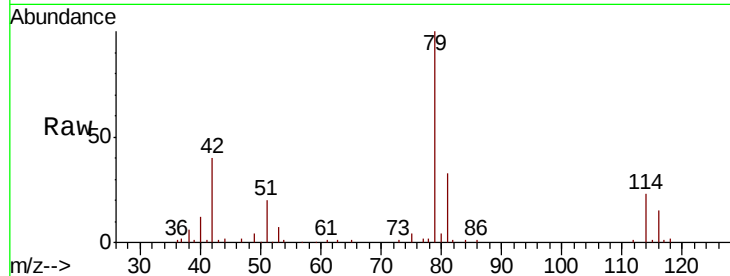
C0AP9

Tot Ion: 75 Resp: 1820

Ion Ratio Lower Upper

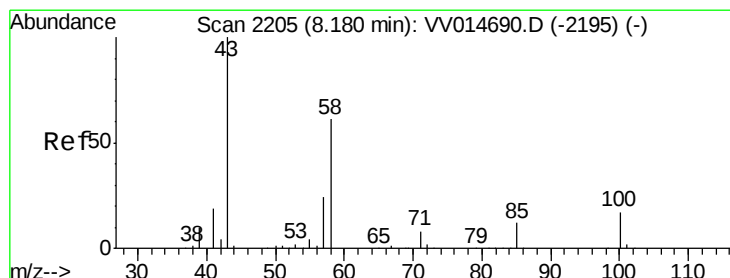
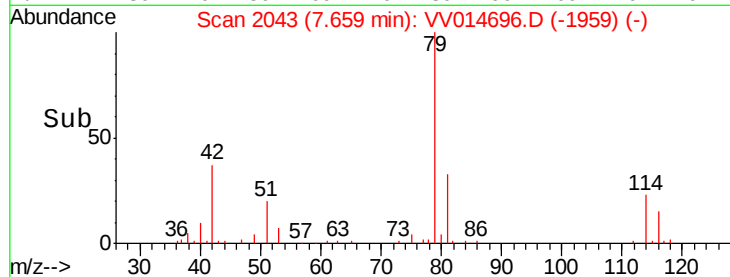
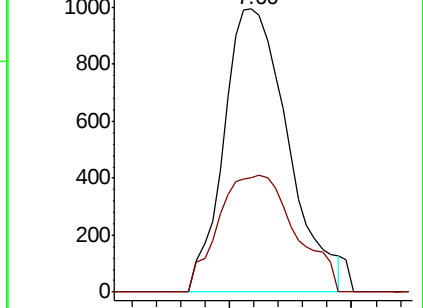
75 100

77 40.3 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#48

2-Hexanone

Concen: 6.776 ug/L

RT: 8.13 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV014696.D

Acq: 24 Feb 2020 13:56

Tgt Ion: 43 Resp: 8111

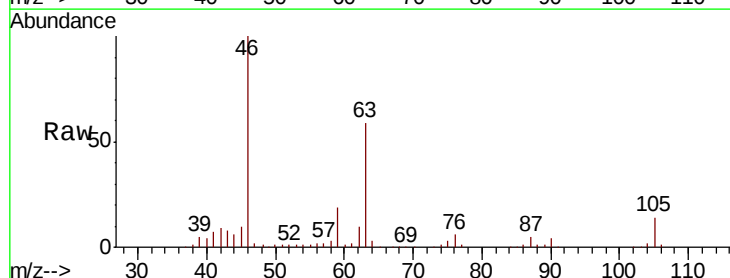
Ion Ratio Lower Upper

43 100

58 38.3 49.4 74.2#

57 21.9 17.8 26.8

100 0.0 13.1 19.7#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

