

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015432.D
 Acq On : 09 Apr 2020 21:15
 Operator : SY/MD
 Sample : L2188-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 05:39:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 05:37:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	114960	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	108029	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	51798	5.00	ug/L	0.00

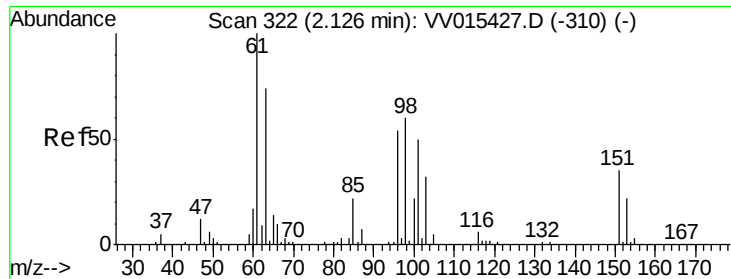
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27269	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.57	69	25521	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.11	63	40909	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	3.96	46	75431	45.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.08%
24) Chloroform-d	4.38	84	61281	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.06	65	35372	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.07	84	117578	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.09	67	38420	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.34	98	109325	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.65	79	15665	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.12	63	77894	49.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.50%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	28300	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	42042	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2668	0.354	ug/L	89
12) 1,1-Dichloroethene	2.12	96	589	0.082	ug/L #	1
22) cis-1,2-Dichloroethene	3.94	96	15237	1.805	ug/L	95
25) Chloroform	4.41	83	5660	0.361	ug/L	99
27) 1,2-Dichloroethane	5.07	62	821	0.081	ug/L #	77
35) Methylcyclohexane	6.09	83	9055	0.618	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	4575	0.571	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1153	0.094	ug/L #	61
44) trans-1,3-Dichloropropene	7.64	75	743	0.071	ug/L	93
48) 2-Hexanone	8.12	43	11246	3.057	ug/L #	71

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



#10

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

Concen: 0.354 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015432.D

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Instrument :

MSVOA_V

ClientSampleId :

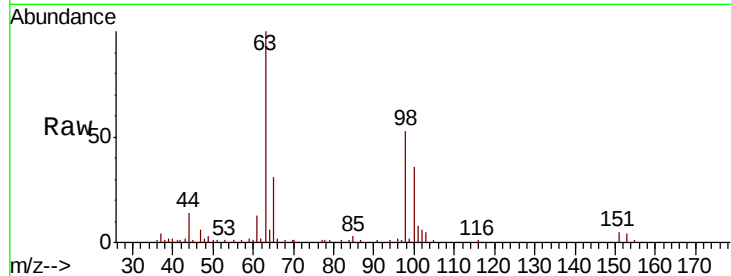
Tot Ion:101 Resp: 2668

Ion Ratio Lower Upper

101 100

85 41.9 36.3 54.5

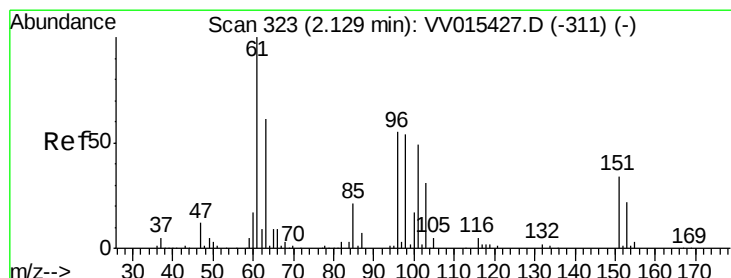
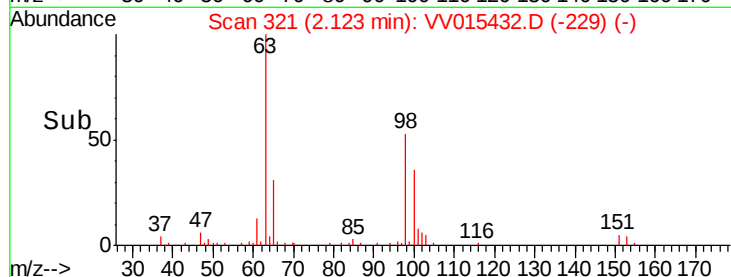
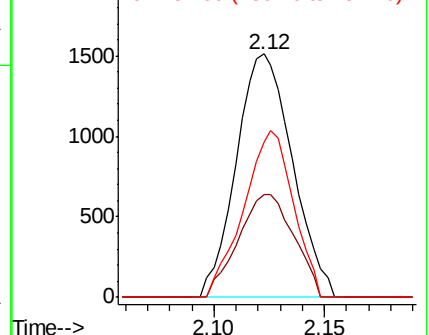
151 60.7 58.2 87.4



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: 0.082 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015432.D

Acq: 09 Apr 2020 21:15

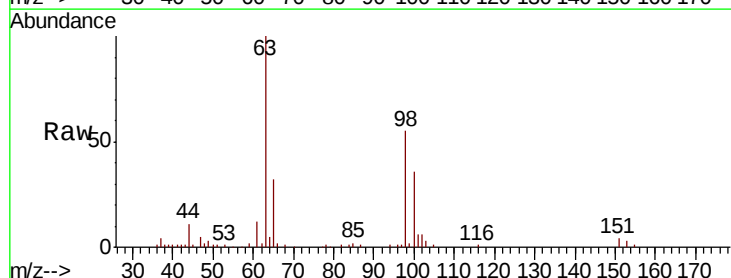
Tgt Ion: 96 Resp: 589

Ion Ratio Lower Upper

96 100

61 843.2 127.7 237.1#

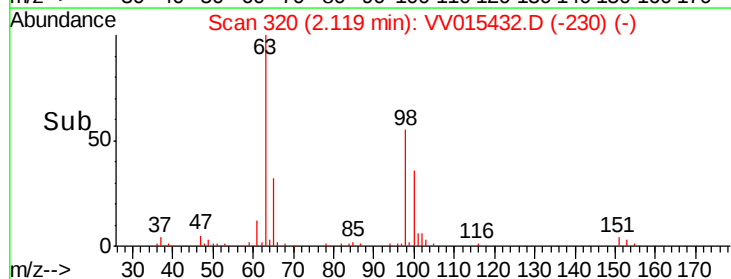
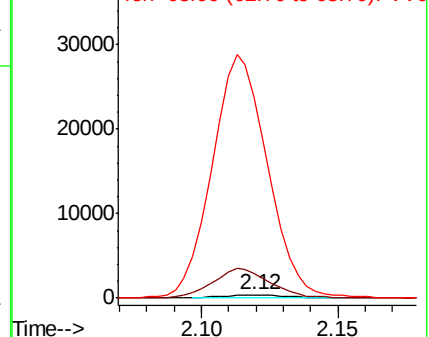
63 6788.6 75.1 139.5#

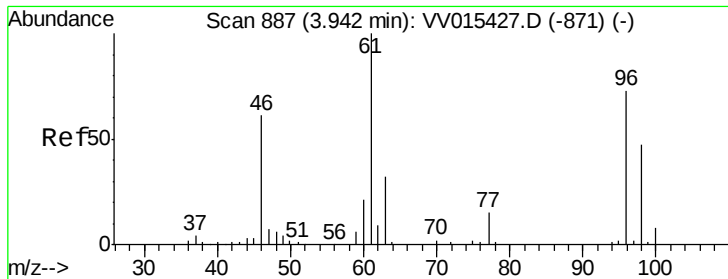


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



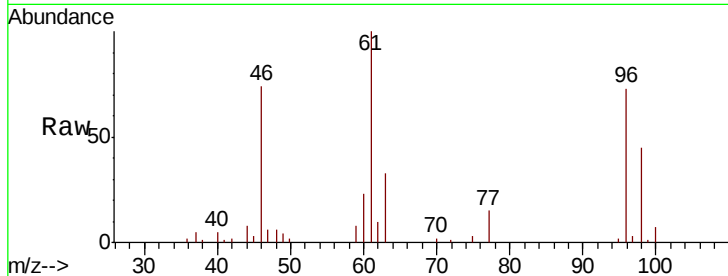


#22

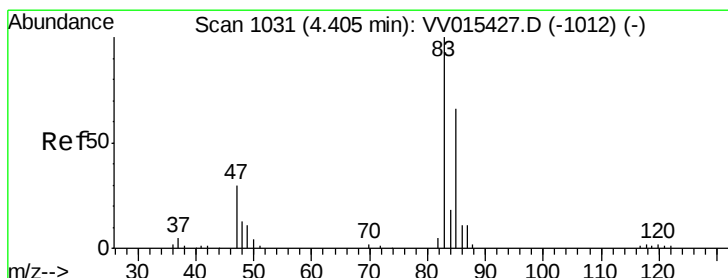
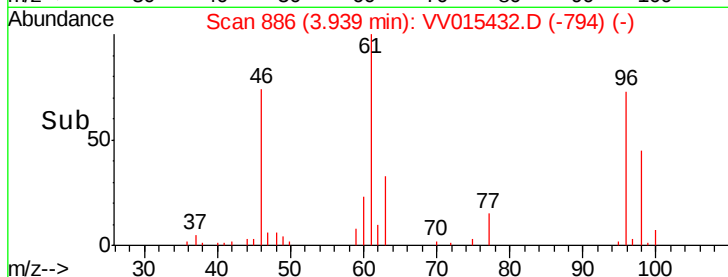
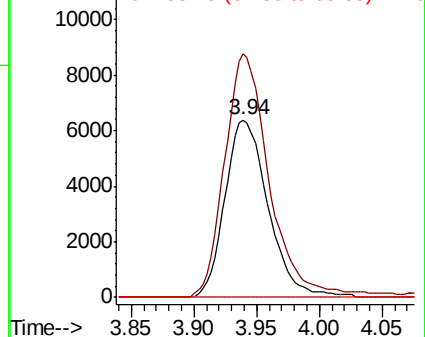
cis-1,2-Dichloroethene
 Concen: 1.805 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015432.D
 Acq: 09 Apr 2020 21:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 15237
 Ion Ratio Lower Upper
 96 100
 61 137.1 100.0 185.8
 68 0.0 0.0 0.0



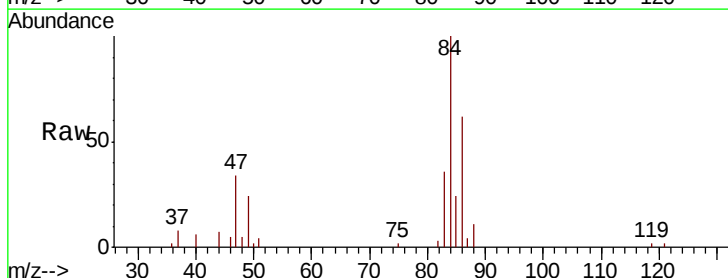
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



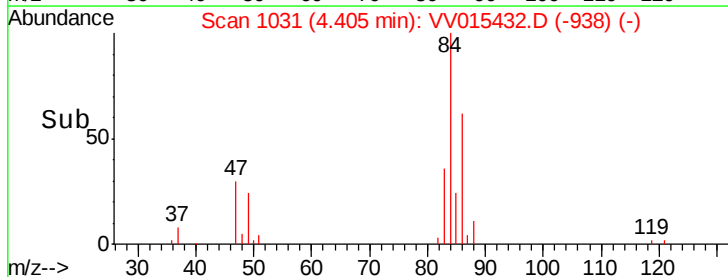
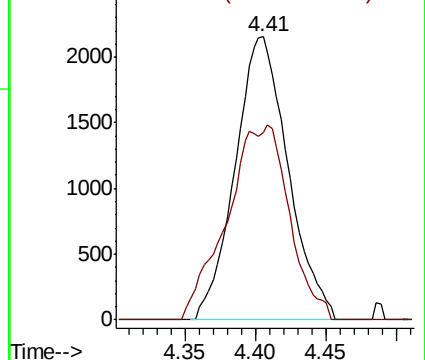
#25

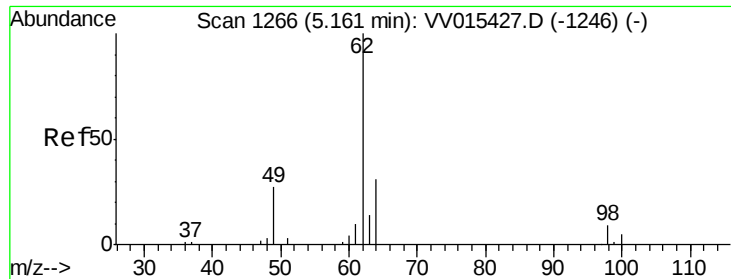
Chloroform
 Concen: 0.361 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV015432.D
 Acq: 09 Apr 2020 21:15

Tgt Ion: 83 Resp: 5660
 Ion Ratio Lower Upper
 83 100
 85 66.2 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0

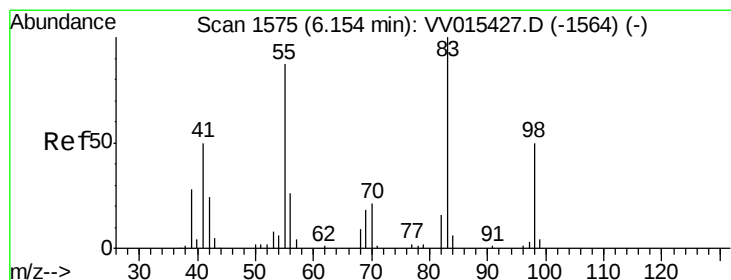
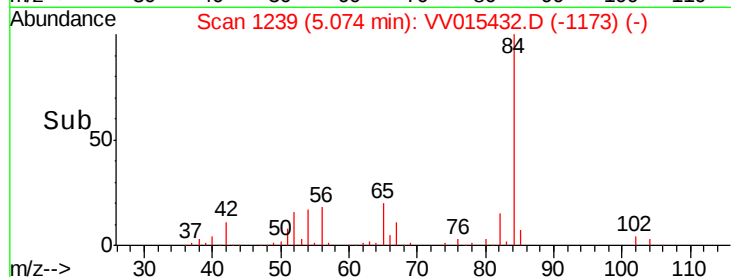
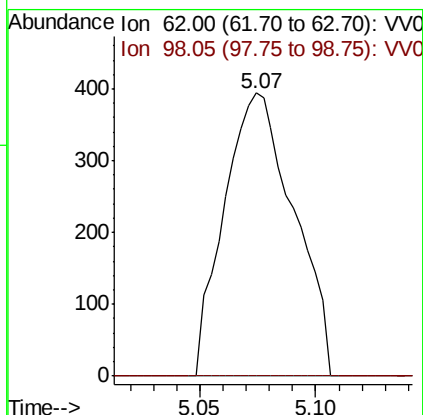
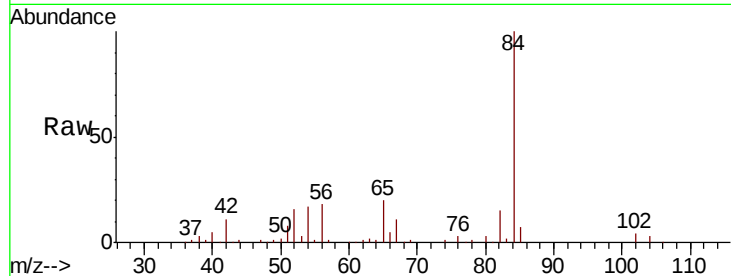




#27
 1,2-Dichloroethane
 Concen: 0.081 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.09 min
 Lab File: VV015432.D
 Acq: 09 Apr 2020 21:15

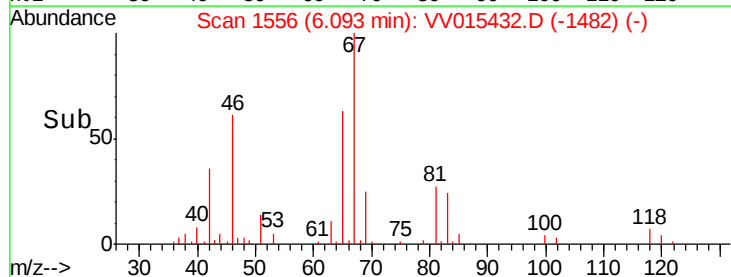
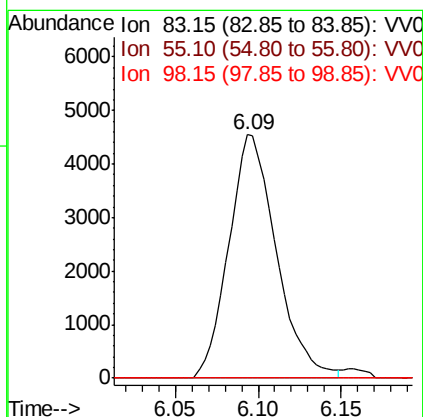
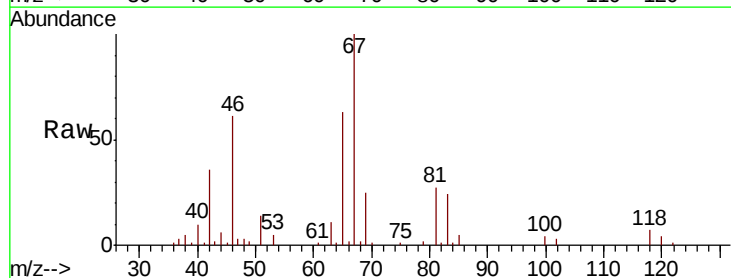
Instrument :
 MSVOA_V
 ClientSampleId :

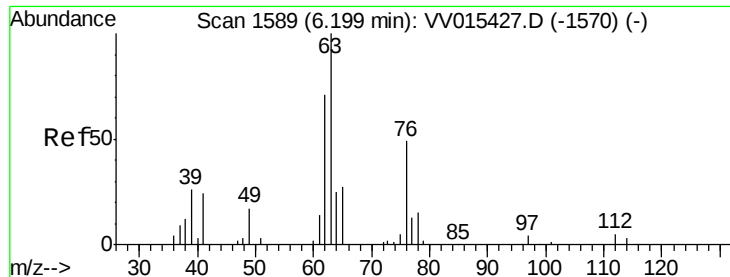
Tot Ion: 62 Resp: 821
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 0.618 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV015432.D
 Acq: 09 Apr 2020 21:15

Tgt Ion: 83 Resp: 9055
 Ion Ratio Lower Upper
 83 100
 55 0.0 66.6 99.8#
 98 0.7 38.7 58.1#

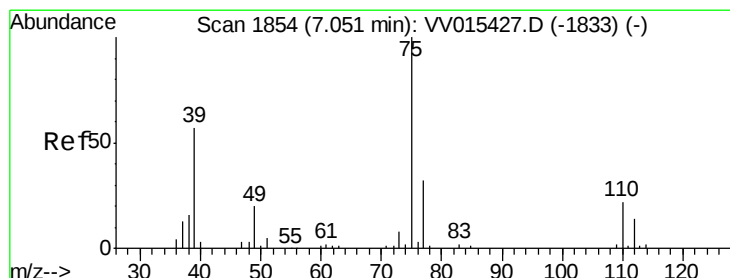
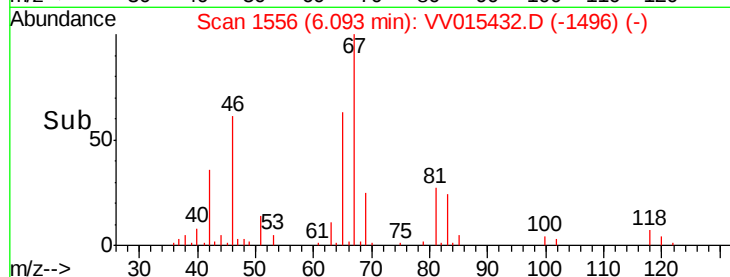
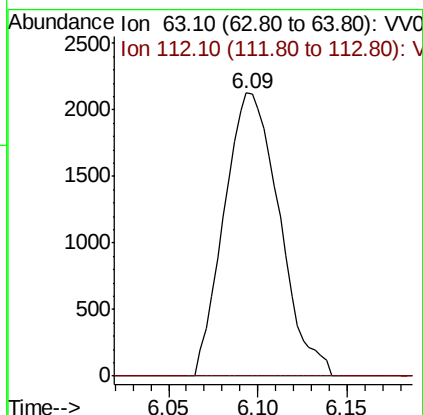
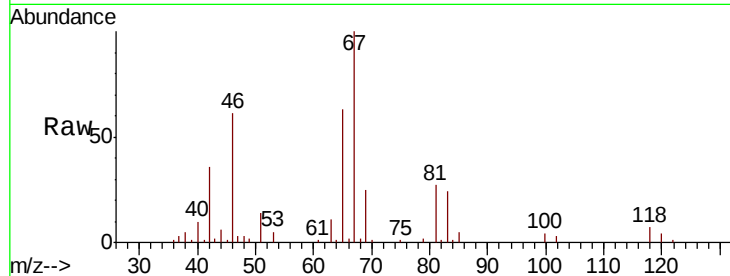




#37
 1,2-Dichloropropane
 Concen: 0.571 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.11 min
 Lab File: VV015432.D
 Acq: 09 Apr 2020 21:15

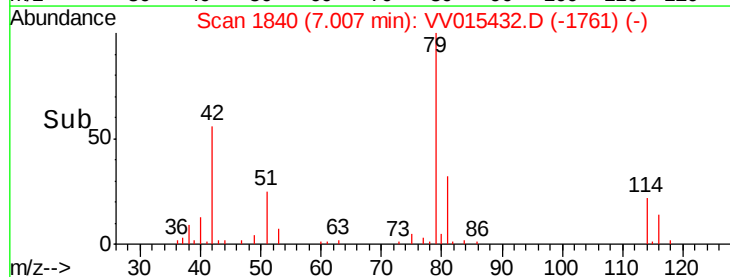
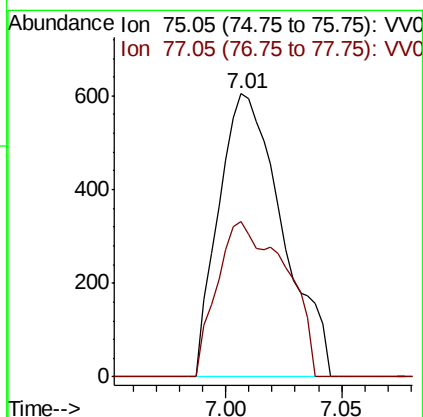
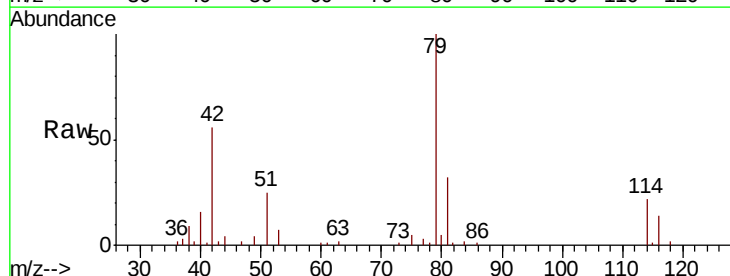
Instrument :
 MSVOA_V
 ClientSampleId :

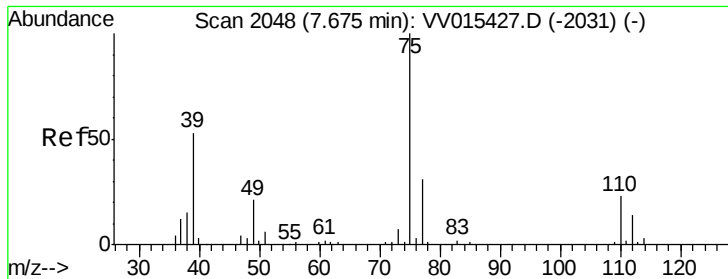
Tot Ion: 63 Resp: 4575
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015432.D
 Acq: 09 Apr 2020 21:15

Tgt Ion: 75 Resp: 1153
 Ion Ratio Lower Upper
 75 100
 77 55.0 23.0 42.6#

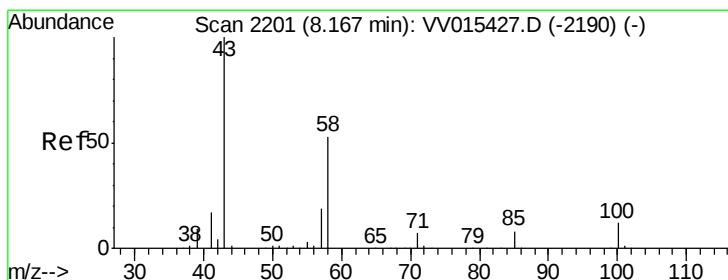
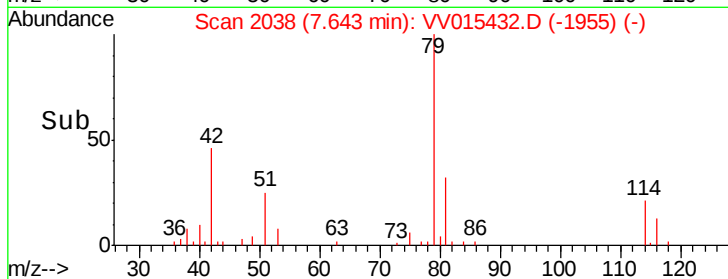
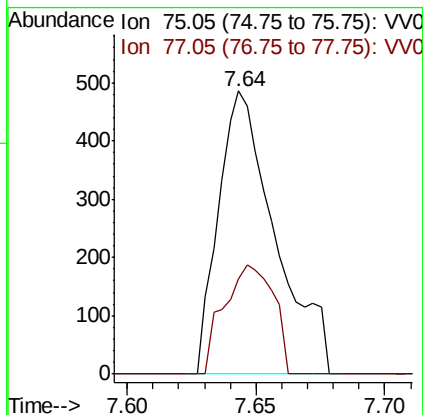
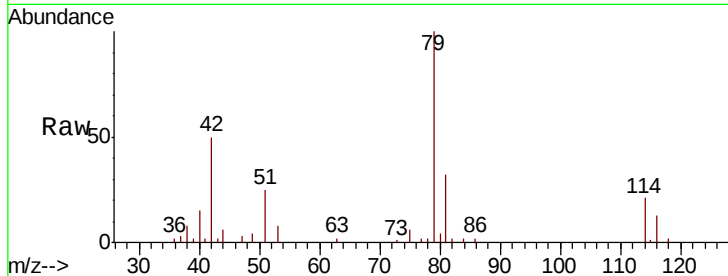




#44
trans-1,3-Dichloropropene
Concen: 0.071 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV015432.D
Acq: 09 Apr 2020 21:15

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 743
Ion Ratio Lower Upper
75 100
77 33.5 21.0 39.0



#48
2-Hexanone
Concen: 3.057 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV015432.D
Acq: 09 Apr 2020 21:15

Tgt Ion: 43 Resp: 11246
Ion Ratio Lower Upper
43 100
58 25.9 41.4 62.0#
57 20.7 15.0 22.4
100 0.0 9.4 14.2#

