

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015430.D
 Acq On : 09 Apr 2020 20:29
 Operator : SY/MD
 Sample : L2188-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 05:39:26 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	115760	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	110830	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	53383	5.00	ug/L	0.00

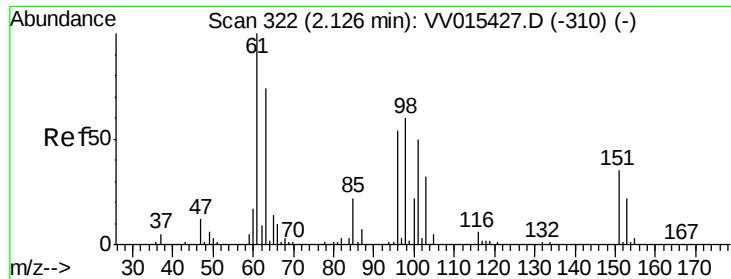
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	28846	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.57	69	26691	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.12	63	41426	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.97	46	92391	54.78	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.56%
24) Chloroform-d	4.38	84	64014	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.06	65	37299	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.07	84	124797	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.10	67	39776	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.34	98	115441	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.65	79	15889	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.12	63	84372	52.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30210	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	43475	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1011	0.133	ug/L #	82
19) 1,1-Dichloroethane	3.21	63	3274	0.212	ug/L	90
22) cis-1,2-Dichloroethene	3.95	96	1448	0.170	ug/L	84
25) Chloroform	4.40	83	11130	0.705	ug/L	97
27) 1,2-Dichloroethane	5.08	62	817	0.080	ug/L #	77
34) Trichloroethene	5.94	95	7212	0.808	ug/L	97
35) Methylcyclohexane	6.10	83	9534	0.634	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	5014	0.609	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1402	0.111	ug/L #	75
44) trans-1,3-Dichloropropene	7.65	75	728	0.068	ug/L #	76
45) 1,1,2-Trichloroethane	7.99	97	512	0.093	ug/L #	1
47) Tetrachloroethene	8.00	164	57165	8.642	ug/L	98
48) 2-Hexanone	8.12	43	12322	3.264	ug/L #	70
49) Dibromochloromethane	8.00	129	53538	8.082	ug/L #	10

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



#10

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

Concen: 0.133 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015430.D

Acq: 09 Apr 2020 20:29

Instrument :

MSVOA_V

ClientSampled :

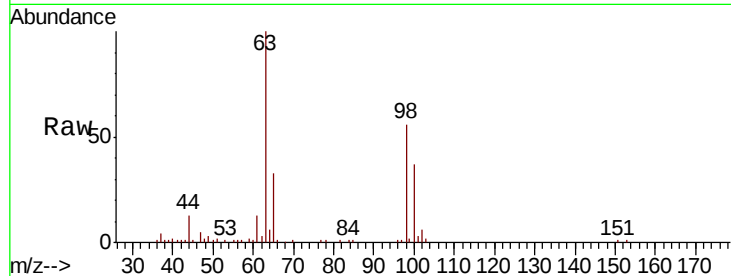
Tot Ion:101 Resp: 1011

Ion Ratio Lower Upper

101 100

85 40.3 36.3 54.5

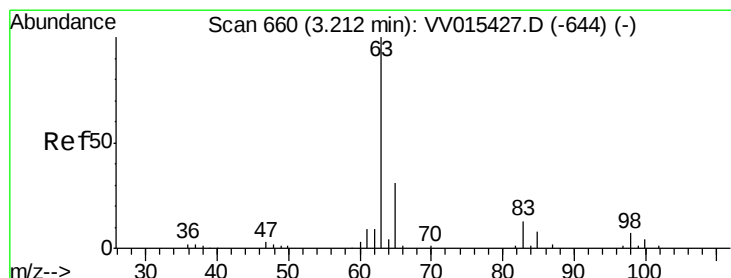
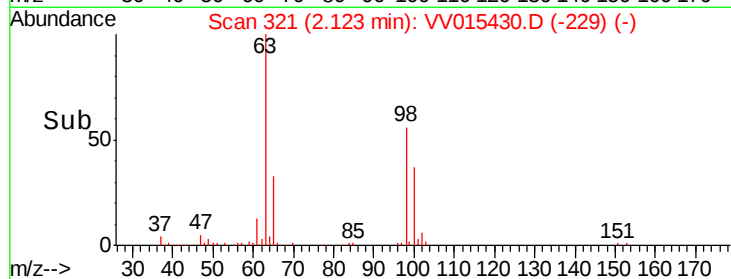
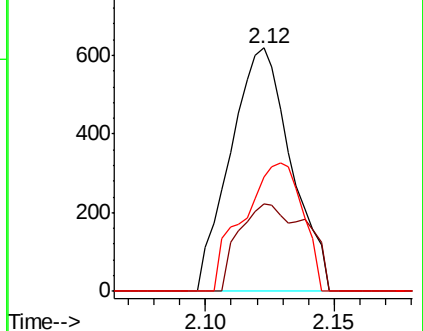
151 52.0 58.2 87.4#



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



#19

1,1-Dichloroethane

Concen: 0.212 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV015430.D

Acq: 09 Apr 2020 20:29

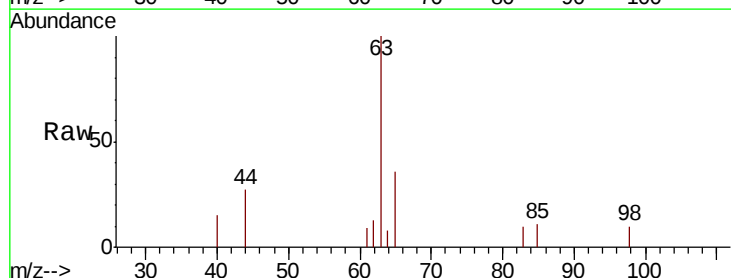
Tgt Ion: 63 Resp: 3274

Ion Ratio Lower Upper

63 100

65 36.2 21.3 39.6

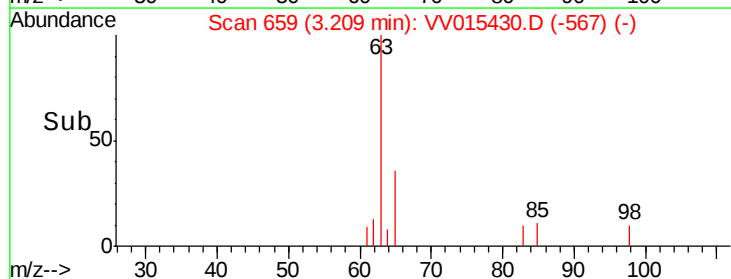
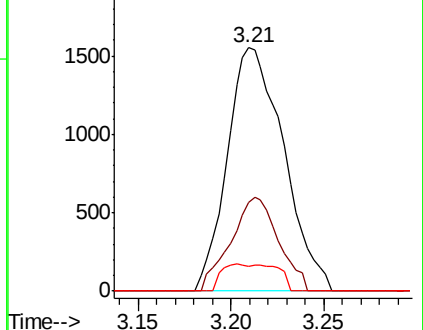
83 10.4 9.4 17.6

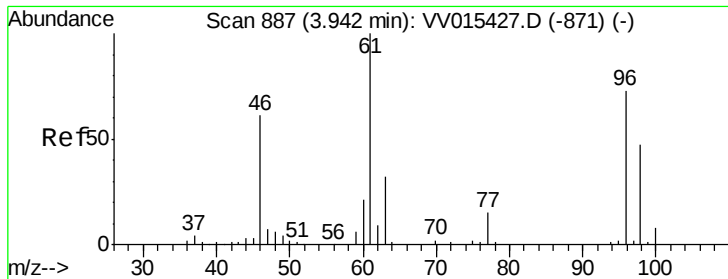


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



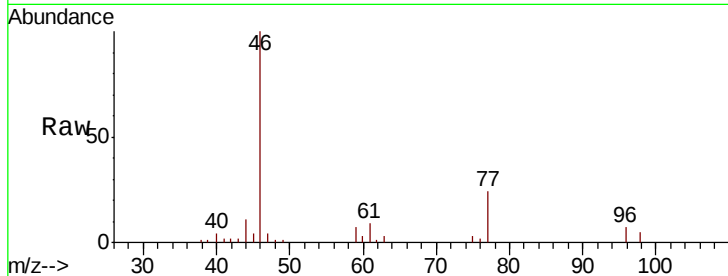


#22

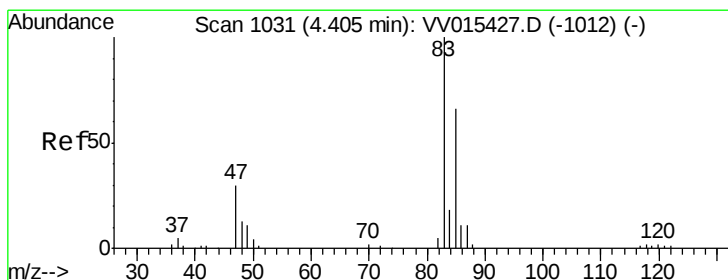
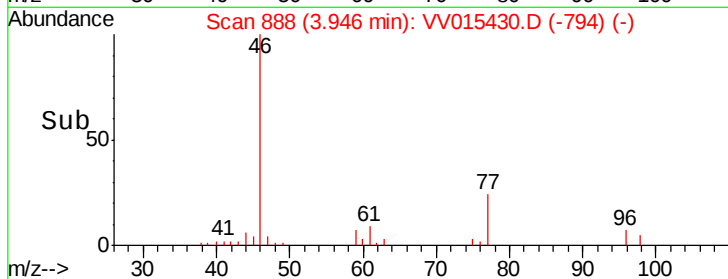
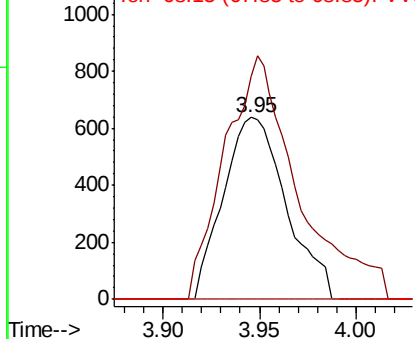
cis-1,2-Dichloroethene
 Concen: 0.170 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VV015430.D
 Acq: 09 Apr 2020 20:29

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 1448
 Ion Ratio Lower Upper
 96 100
 61 123.1 100.0 185.8
 68 0.0 0.0 0.0



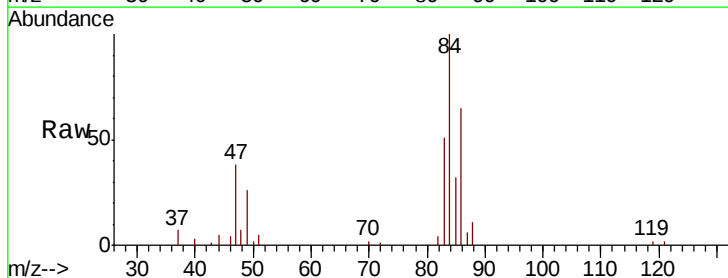
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



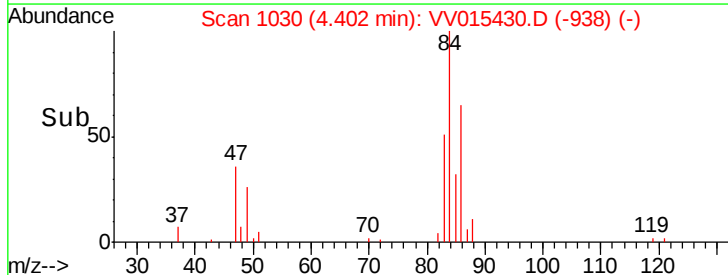
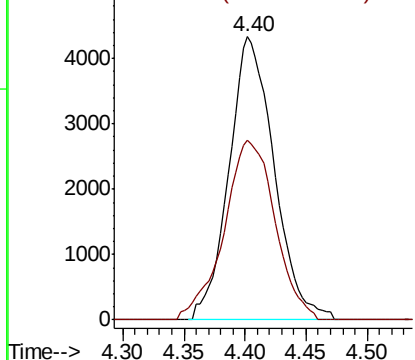
#25

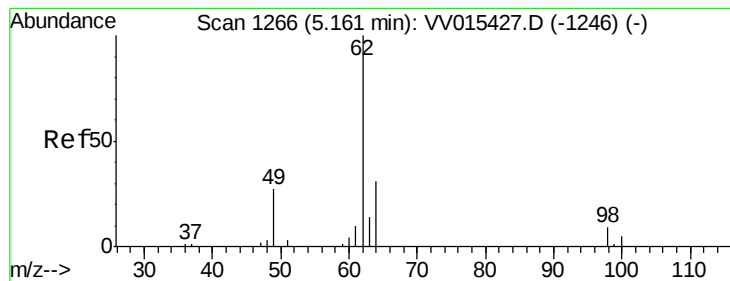
Chloroform
 Concen: 0.705 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV015430.D
 Acq: 09 Apr 2020 20:29

Tgt Ion: 83 Resp: 11130
 Ion Ratio Lower Upper
 83 100
 85 63.4 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: 0.080 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV015430.D

Acq: 09 Apr 2020 20:29

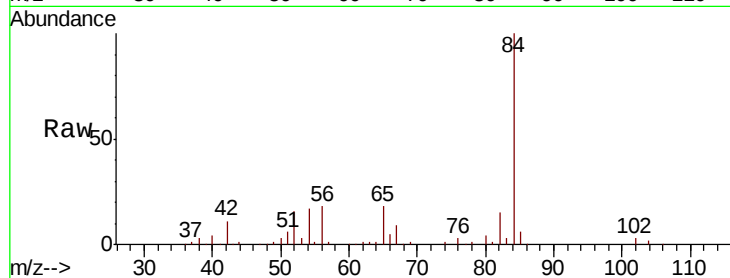
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 817

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV015430.D (-1173) (-)

Ion 98.05 (97.75 to 98.75): VV015430.D (-1173) (-)

5.08

400

300

200

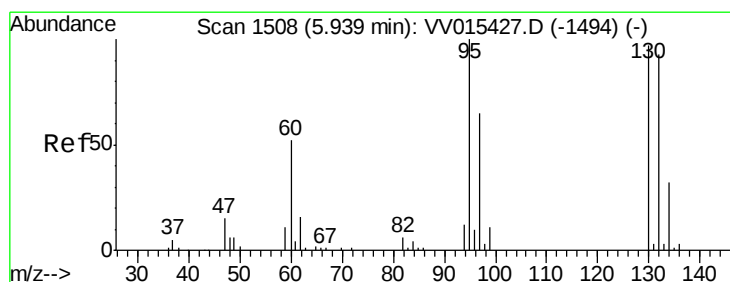
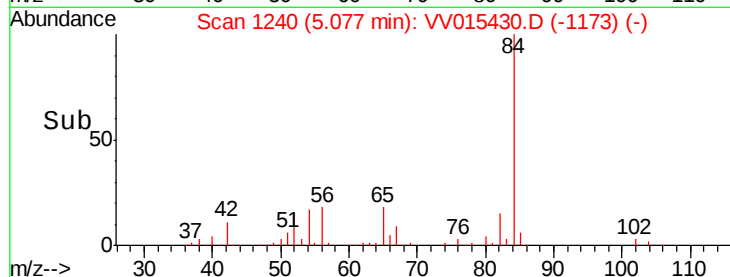
100

0

5.05

5.10

Time-->



#34

Trichloroethene

Concen: 0.808 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015430.D

Acq: 09 Apr 2020 20:29

Tgt Ion: 95 Resp: 7212

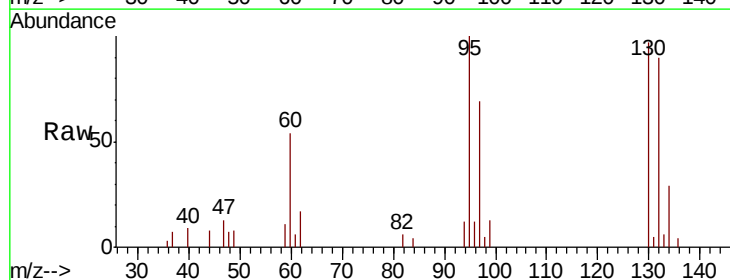
Ion Ratio Lower Upper

95 100

97 68.9 45.4 84.4

132 89.5 64.8 120.4

130 97.3 67.4 125.2



Abundance Ion 95.00 (94.70 to 95.70): VV015430.D (-1415) (-)

Ion 96.95 (96.65 to 97.65): VV015430.D (-1415) (-)

Ion 131.95 (131.65 to 132.65): VV015430.D (-1415) (-)

Ion 129.95 (129.65 to 130.65): VV015430.D (-1415) (-)

5000

4000

3000

2000

1000

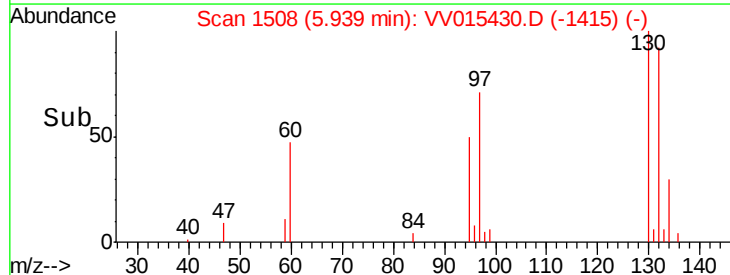
0

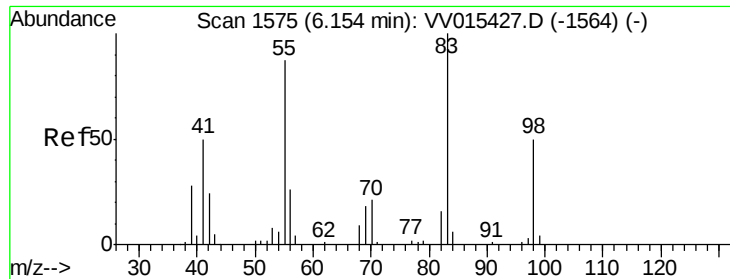
5.90

5.95

6.00

Time-->

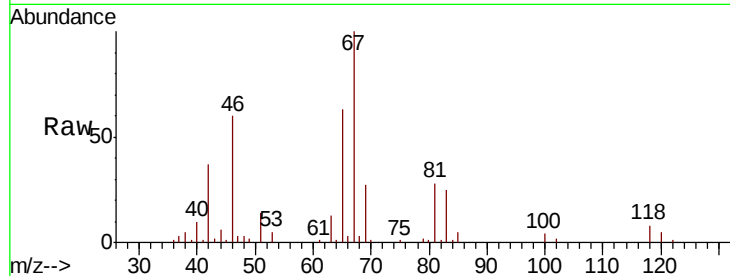




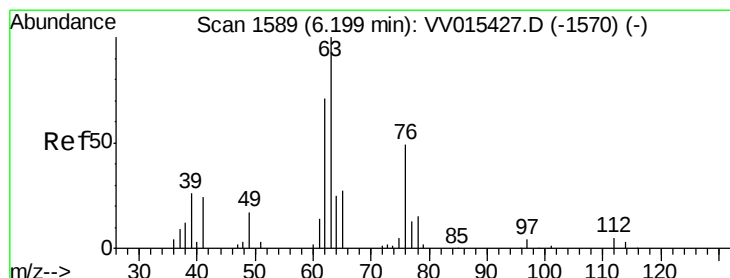
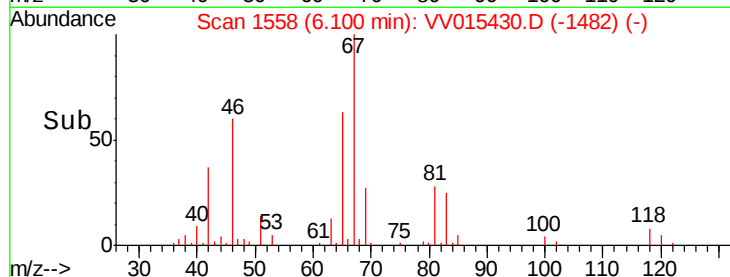
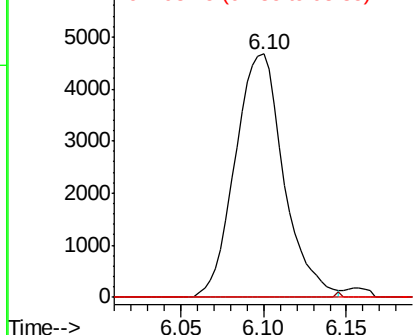
#35
Methvlcvclohexane
Concen: 0.634 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.05 min
Lab File: VV015430.D
Acq: 09 Apr 2020 20:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 9534
Ion Ratio Lower Upper
83 100
55 0.2 66.6 99.8#
98 1.8 38.7 58.1#

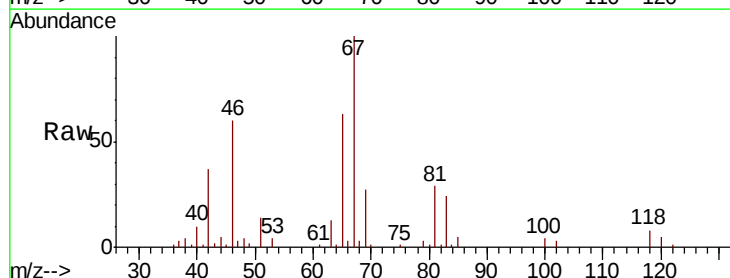


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

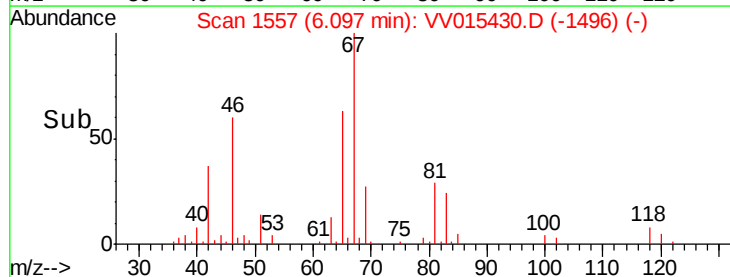
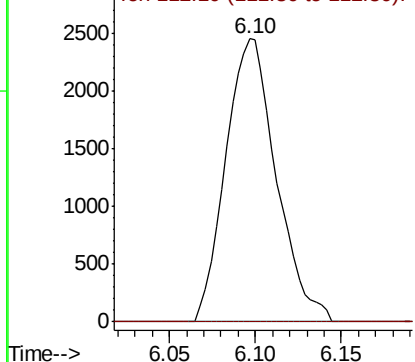


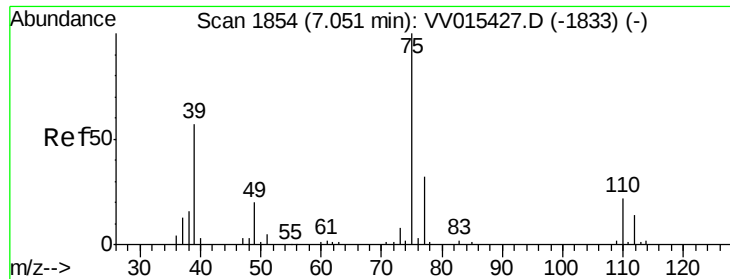
#37
1,2-Dichloropropane
Concen: 0.609 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015430.D
Acq: 09 Apr 2020 20:29

Tgt Ion: 63 Resp: 5014
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

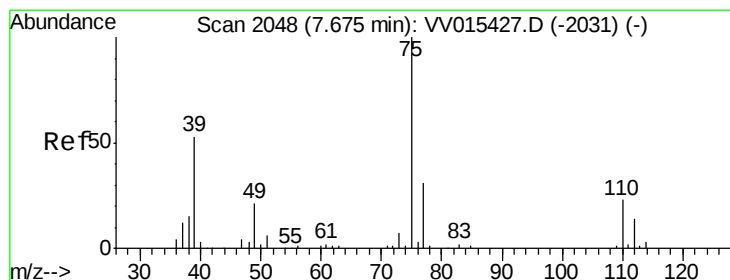
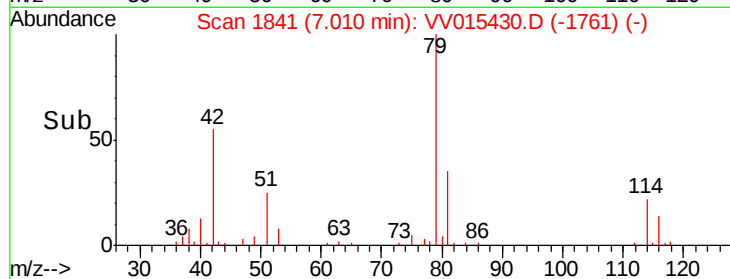
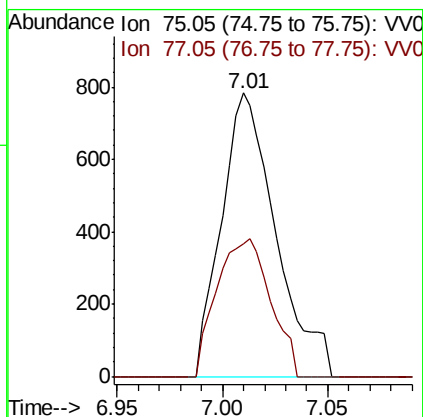
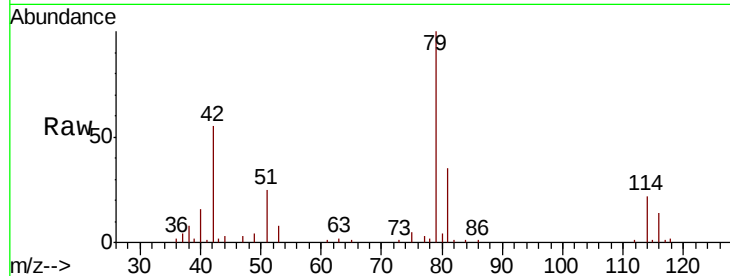




#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015430.D
 Acq: 09 Apr 2020 20:29

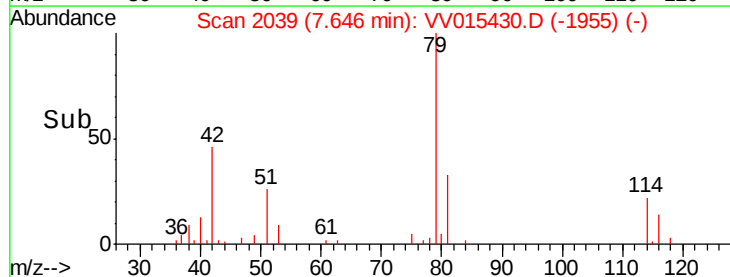
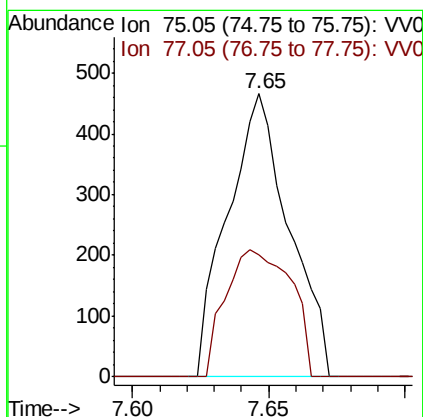
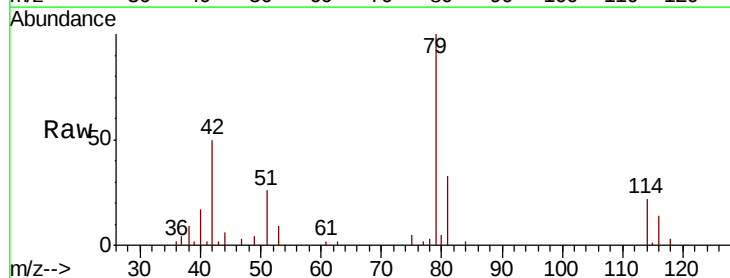
Instrument :
 MSVOA_V
 ClientSampleId :

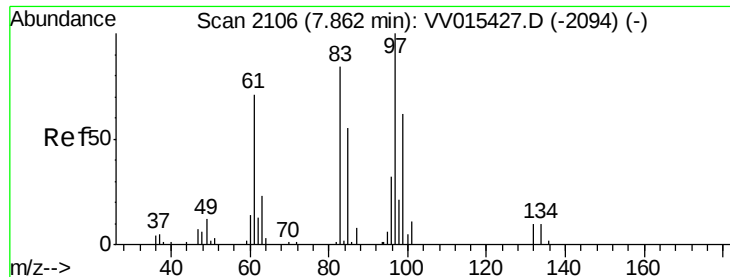
Tot Ion: 75 Resp: 1402
 Ion Ratio Lower Upper
 75 100
 77 46.9 23.0 42.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.068 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV015430.D
 Acq: 09 Apr 2020 20:29

Tgt Ion: 75 Resp: 728
 Ion Ratio Lower Upper
 75 100
 77 42.9 21.0 39.0#





#45

1,1,2-Trichloroethane

Concen: 0.093 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV015430.D

Acq: 09 Apr 2020 20:29

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 512

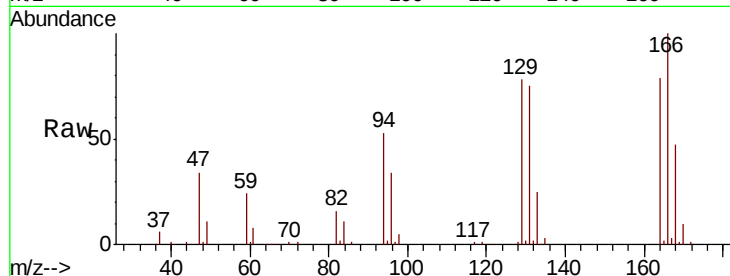
Ion Ratio Lower Upper

97 100

99 0.0 41.3 76.7#

83 203.6 60.5 112.3#

85 0.0 36.8 68.4#

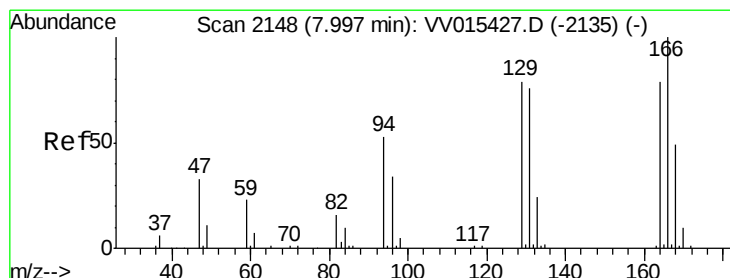
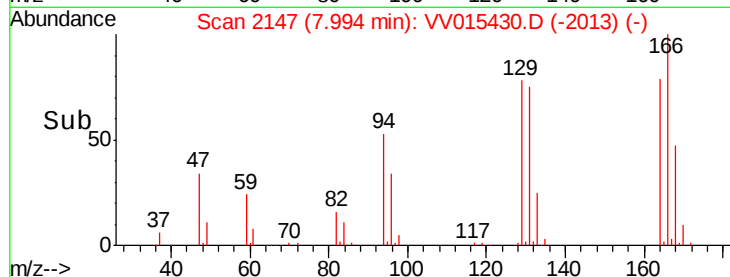
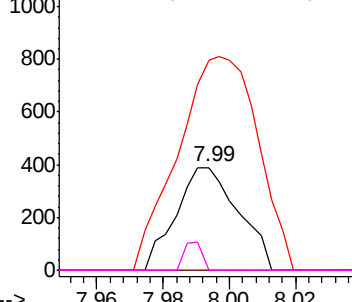


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 8.642 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015430.D

Acq: 09 Apr 2020 20:29

Tgt Ion: 164 Resp: 57165

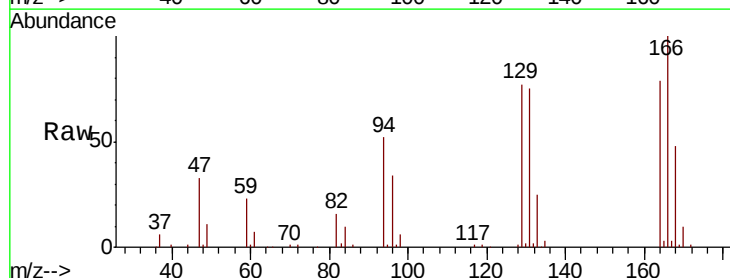
Ion Ratio Lower Upper

164 100

129 98.0 70.6 131.0

131 95.4 68.3 126.8

166 126.6 88.3 163.9

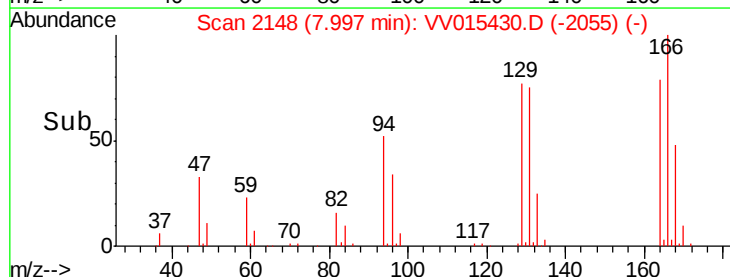
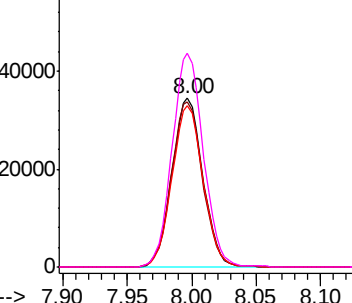


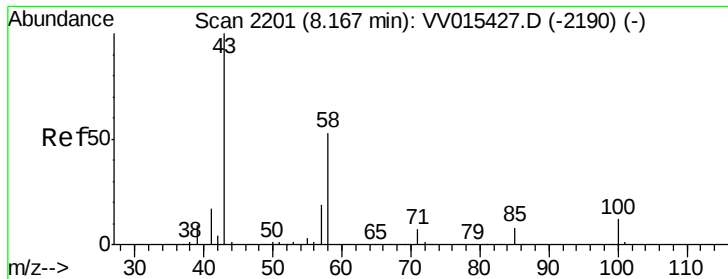
Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.264 ug/L

RT: 8.12 min Scan# 2185

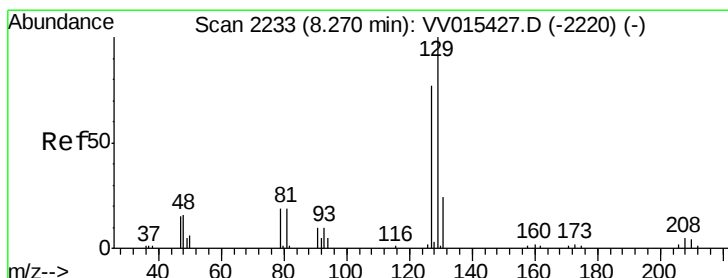
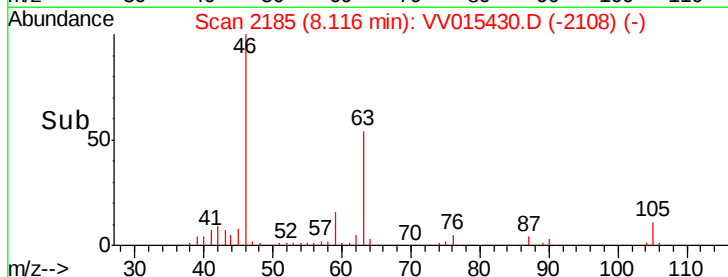
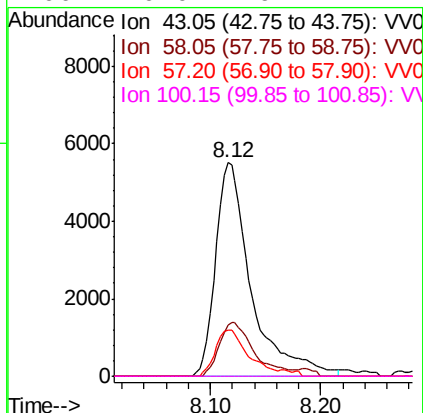
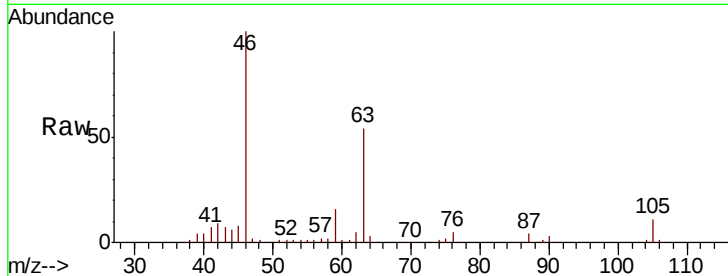
Delta R.T. -0.05 min

Lab File: VV015430.D

Acq: 09 Apr 2020 20:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	12322
Ion	Ratio	Lower	Upper
43	100		
58	24.8	41.4	62.0#
57	20.9	15.0	22.4
100	0.0	9.4	14.2#



#49

Dibromochloromethane

Concen: 8.082 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015430.D

Acq: 09 Apr 2020 20:29

Tgt Ion:	129	Resp:	53538
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#

