

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070920\
 Data File : VV017397.D
 Acq On : 09 Jul 2020 14:53
 Operator : SY/MD
 Sample : L3254-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A41

Quant Time: Jul 10 04:02:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 10 04:00:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	268840	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	256475	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	125349	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60654	43.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.68%
7) Chloroethane-d5	1.58	69	43194	43.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.86%
11) 1,1-Dichloroethene-d2	2.12	63	103028	32.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.02%
21) 2-Butanone-d5	3.90	46	88608	92.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.69%
24) Chloroform-d	4.38	84	144672	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.38%
26) 1,2-Dichloroethane-d4	5.06	65	107369	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
32) Benzene-d6	5.08	84	257649	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.09	67	75519	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.66%
41) Toluene-d8	7.34	98	239966	45.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.10%
43) trans-1,3-Dichloropropene-	7.64	79	43152	46.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.94%
47) 2-Hexanone-d5	8.11	63	61876	94.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.50%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	99019	44.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	101160	48.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.54%

Target Compounds

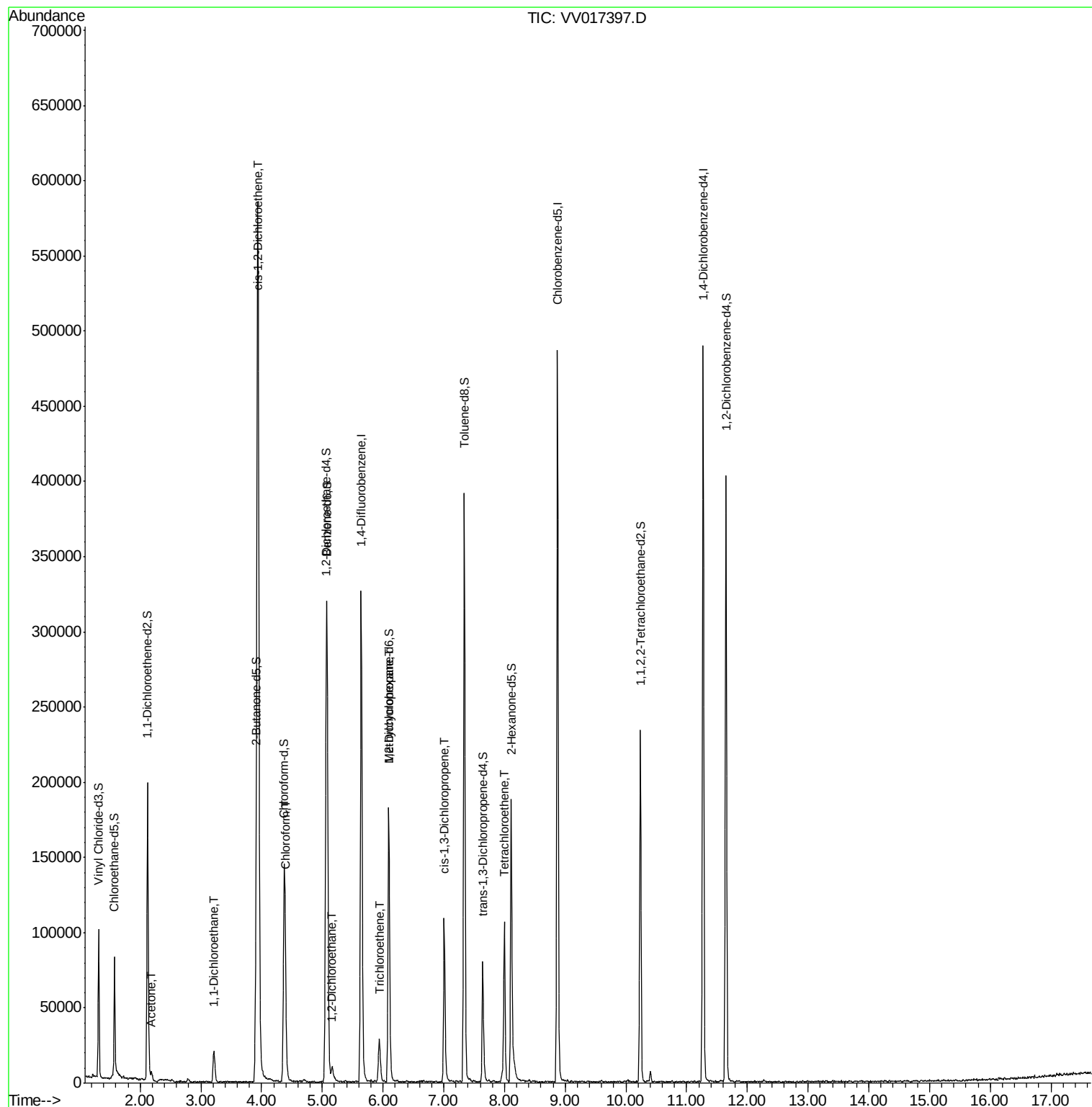
					Ovalue
13) Acetone	2.19	43	6359	4.887 ug/L	74
19) 1,1-Dichloroethane	3.22	63	19670	6.092 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	311205	165.406 ug/L	100
25) Chloroform	4.40	83	4311	1.190 ug/L	93
27) 1,2-Dichloroethane	5.16	62	7923	2.487 ug/L #	92
34) Trichloroethene	5.95	95	7675	3.813 ug/L	96
35) Methylcyclohexane	6.09	83	21279	7.219 ug/L #	19
39) cis-1,3-Dichloropropene	7.01	75	2923	1.034 ug/L	87
46) Tetrachloroethene	8.00	164	23879	14.129 ug/L	95

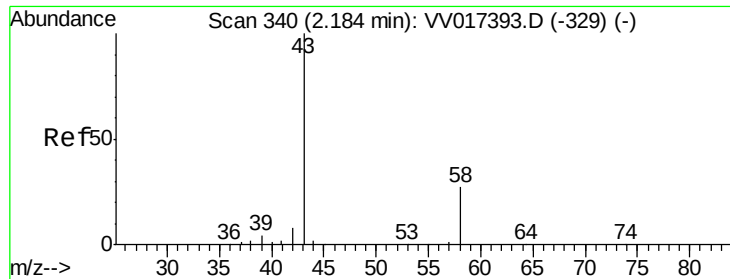
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jul 10 04:00:27 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.887 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017397.D

Acq: 09 Jul 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

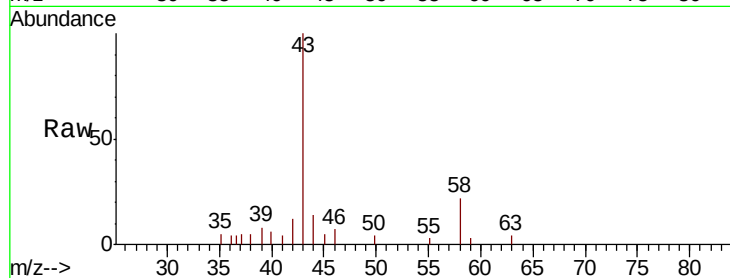
F4A41

Tot Ion: 43 Resp: 6359

Ion Ratio Lower Upper

43 100

58 14.4 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV017393.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV017393.D (-329) (-)

2.19

3000

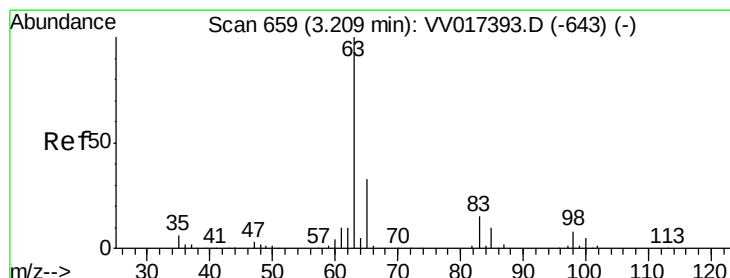
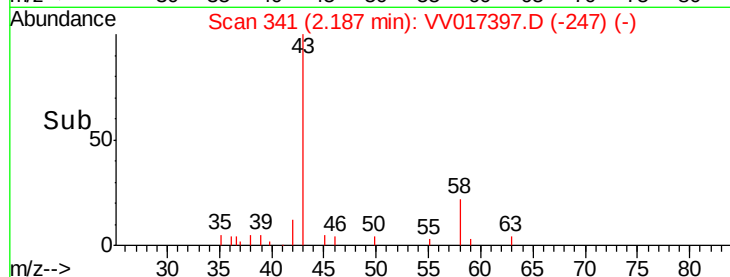
2000

1000

0

Time-->

2.15 2.20 2.25



#19

1,1-Dichloroethane

Concen: 6.092 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV017397.D

Acq: 09 Jul 2020 14:53

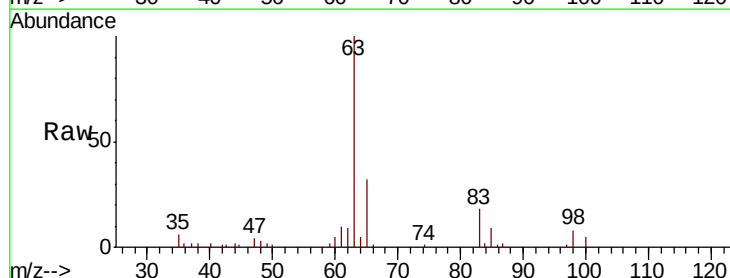
Tgt Ion: 63 Resp: 19670

Ion Ratio Lower Upper

63 100

65 32.1 22.1 41.1

83 17.8 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV017393.D (-643) (-)

Ion 65.00 (64.70 to 65.70): VV017393.D (-643) (-)

Ion 83.00 (82.70 to 83.70): VV017393.D (-643) (-)

3.22

12000

10000

8000

6000

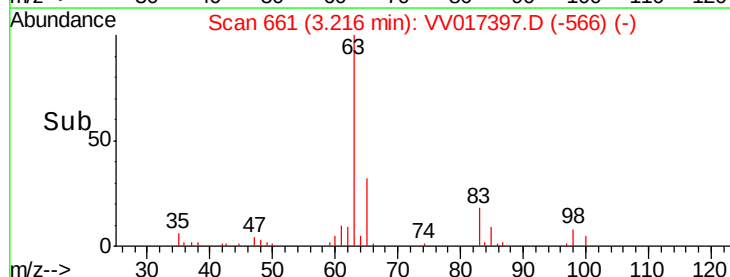
4000

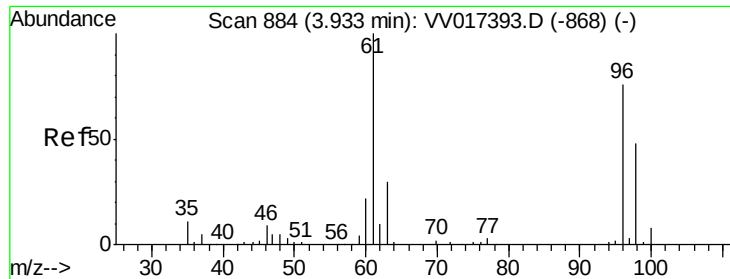
2000

0

Time-->

3.15 3.20 3.25 3.30

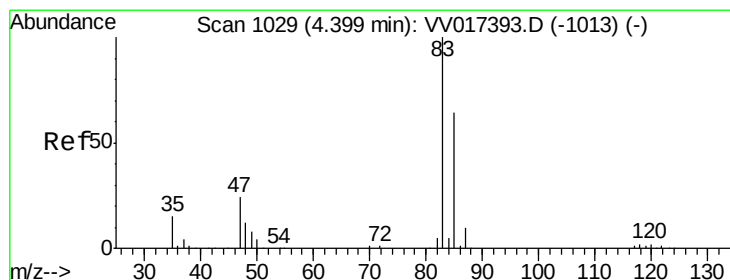
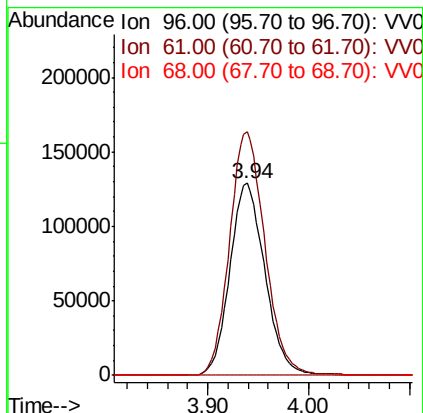
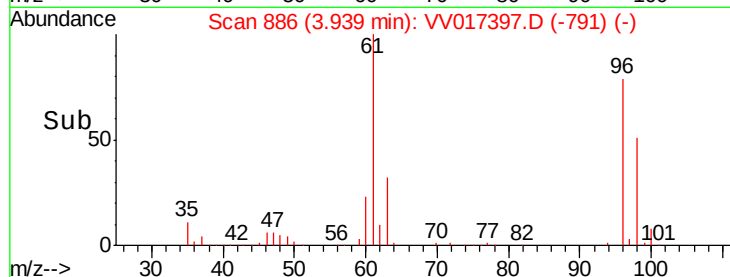
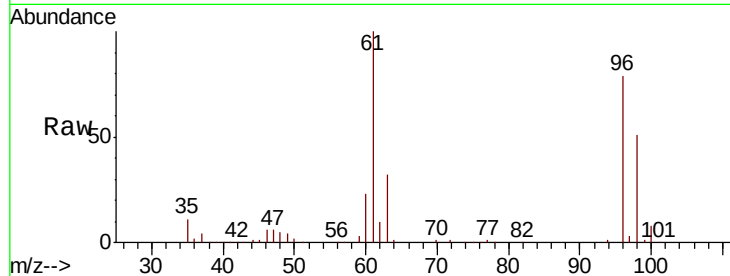




#20
 cis-1,2-Dichloroethene
 Concen: 165.406 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017397.D
 Acq: 09 Jul 2020 14:53

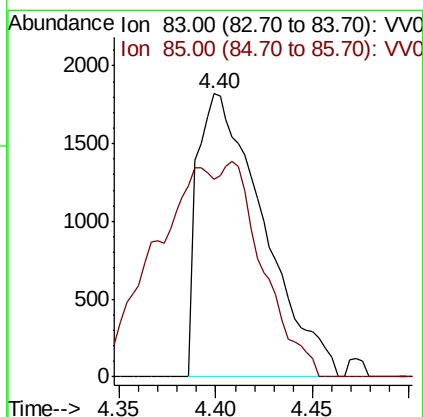
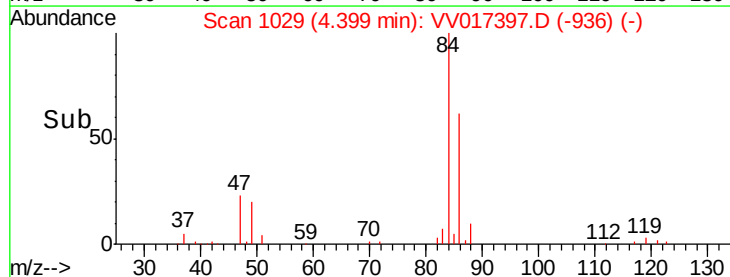
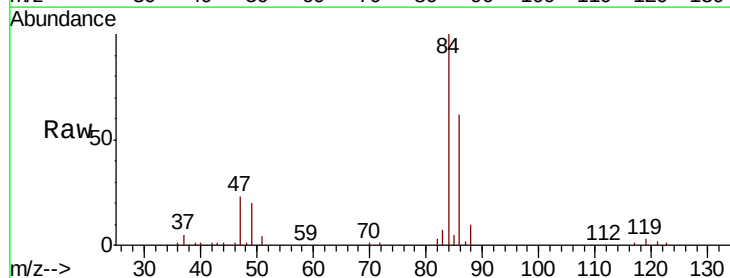
Instrument :
 MSVOA_V
 ClientSampled :
 F4A41

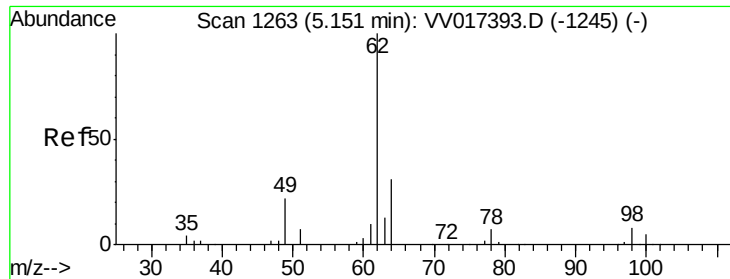
Tot Ion: 96 Resp: 311205
 Ion Ratio Lower Upper
 96 100
 61 126.9 88.9 165.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.190 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV017397.D
 Acq: 09 Jul 2020 14:53

Tgt Ion: 83 Resp: 4311
 Ion Ratio Lower Upper
 83 100
 85 70.0 45.1 83.9





#27

1,2-Dichloroethane

Concen: 2.487 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VV017397.D

Acq: 09 Jul 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

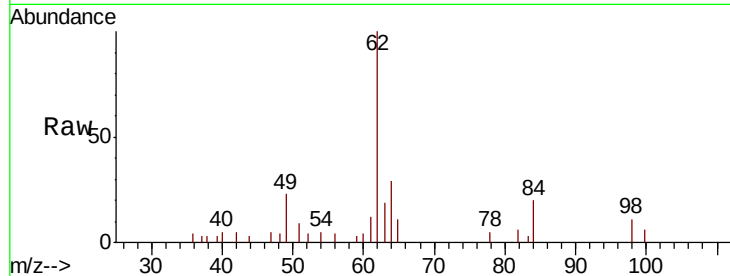
F4A41

Tot Ion: 62 Resp: 7923

Ion Ratio Lower Upper

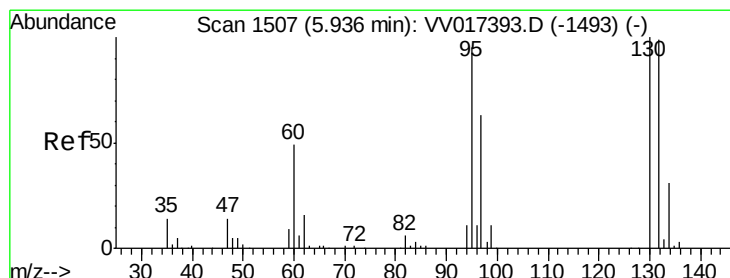
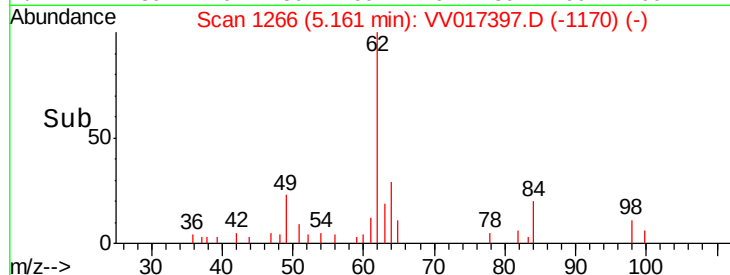
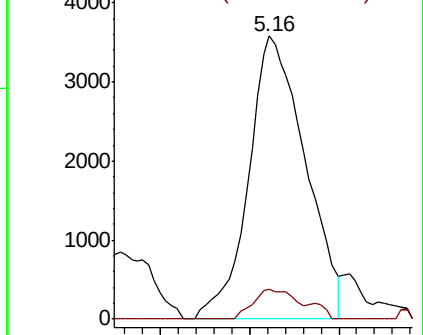
62 100

98 10.7 6.4 9.6#



Abundance Ion 62.00 (61.70 to 62.70): VV017393.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VV017393.D (-1245) (-)



#34

Trichloroethene

Concen: 3.813 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV017397.D

Acq: 09 Jul 2020 14:53

Tgt Ion: 95 Resp: 7675

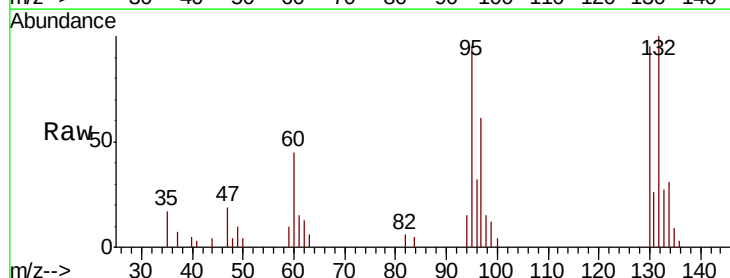
Ion Ratio Lower Upper

95 100

97 63.6 45.6 84.6

132 105.0 74.1 137.5

130 99.4 75.5 140.3

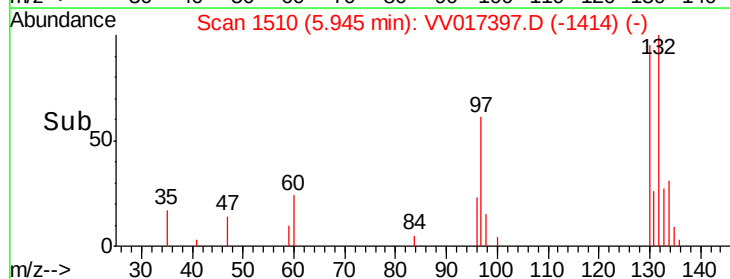
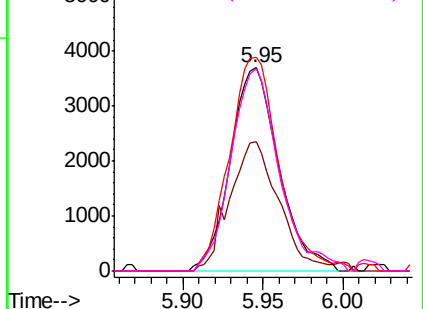


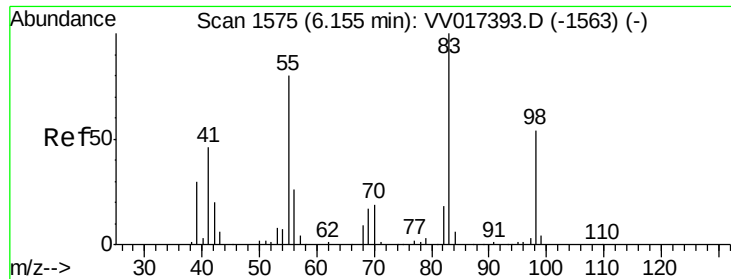
Abundance Ion 95.00 (94.70 to 95.70): VV017393.D (-1493) (-)

Ion 97.00 (96.70 to 97.70): VV017393.D (-1493) (-)

Ion 132.00 (131.70 to 132.70): VV017393.D (-1493) (-)

Ion 130.00 (129.70 to 130.70): VV017393.D (-1493) (-)

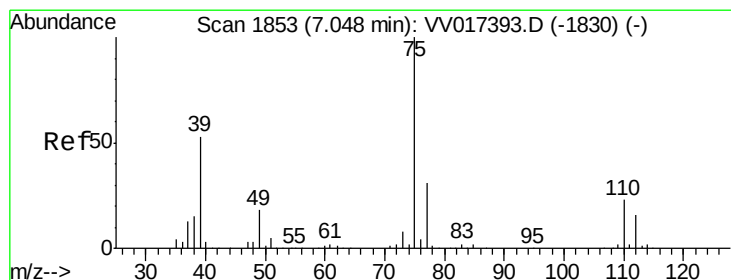
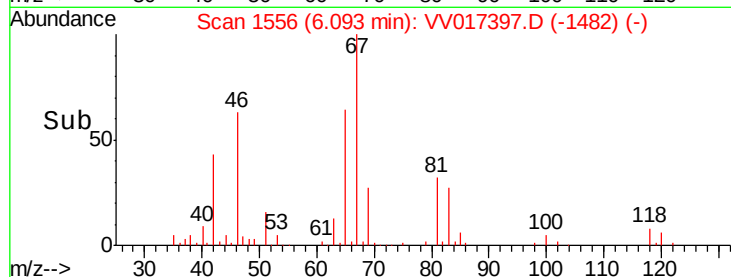
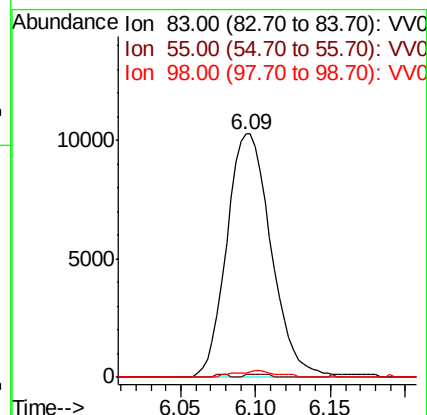
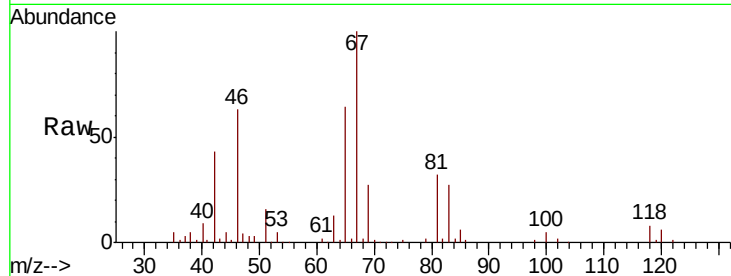




#35
Methylvlcyclohexane
Concen: 7.219 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017397.D
Acq: 09 Jul 2020 14:53

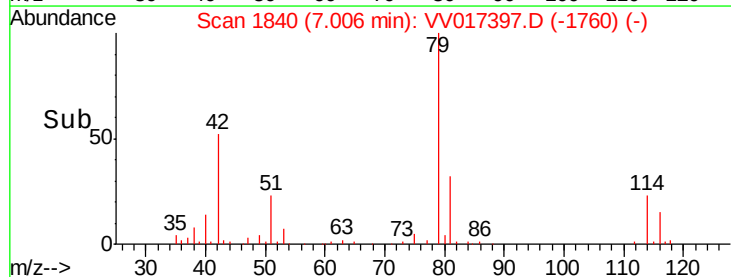
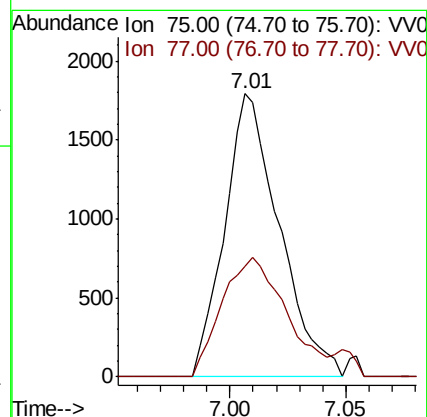
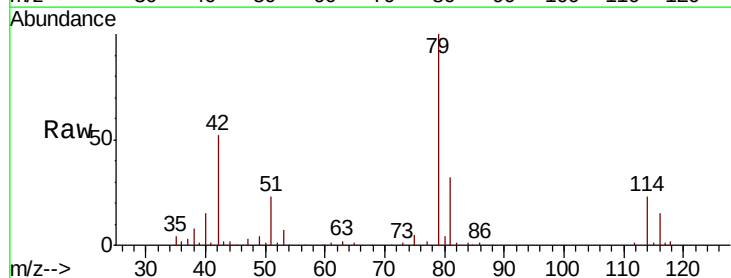
Instrument :
MSVOA_V
ClientSampled :
F4A41

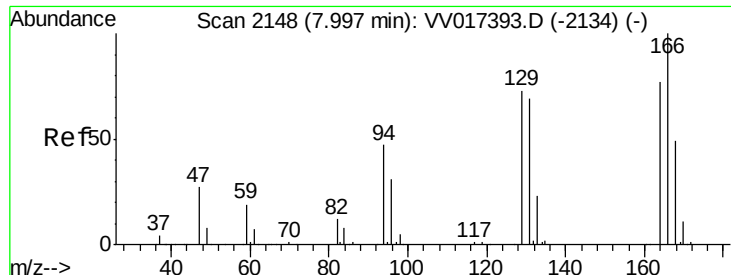
Tot Ion: 83 Resp: 21279
Ion Ratio Lower Upper
83 100
55 0.4 61.0 91.6#
98 2.0 41.3 61.9#



#39
cis-1,3-Dichloropropene
Concen: 1.034 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV017397.D
Acq: 09 Jul 2020 14:53

Tgt Ion: 75 Resp: 2923
Ion Ratio Lower Upper
75 100
77 38.9 22.2 41.2





#46

Tetrachloroethene

Concen: 14.129 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV017397.D

Acq: 09 Jul 2020 14:53

Instrument :
MSVOA_V
ClientSampleId :
F4A41

Tot Ion:164 Resp: 23879

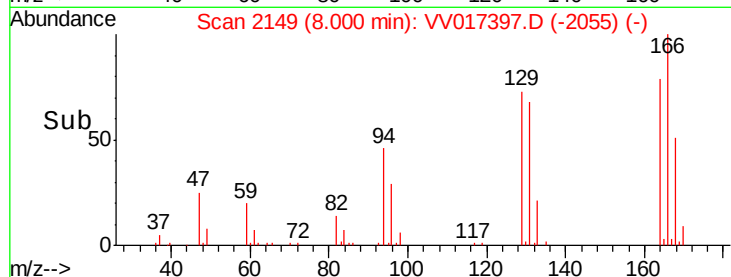
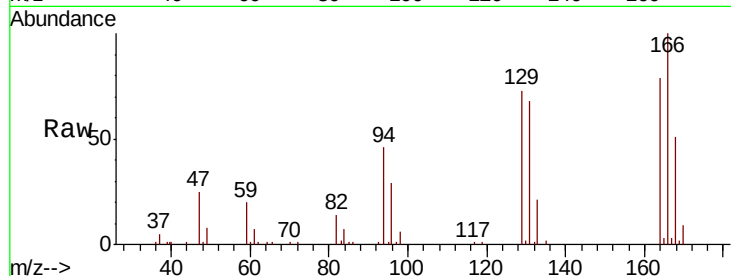
Ion Ratio Lower Upper

164 100

129 93.4 66.6 123.8

131 86.1 65.5 121.7

166 127.2 93.9 174.5



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

