

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053120\
 Data File : VV016388.D
 Acq On : 31 May 2020 15:26
 Operator : SY/MD
 Sample : L2826-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 07:19:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 07:14:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	71629	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	70548	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	30905	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29005	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.58	69	22624	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	39529	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	3.97	46	72739	53.76	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.52%
24) Chloroform-d	4.38	84	51619	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.06	65	28819	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.07	84	101189	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.10	67	30340	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.34	98	86203	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
45) trans-1,3-Dichloropropene-	7.65	79	9687	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
48) 2-Hexanone-d5	8.12	63	51724	49.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.58%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21793	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	29685	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	3419	0.478 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	391	0.081 ug/L #	21
13) Acetone	2.26	43	1475	1.621 ug/L	65
14) Carbon disulfide	2.31	76	739	0.053 ug/L #	76
22) cis-1,2-Dichloroethene	3.94	96	16567	3.067 ug/L	97
25) Chloroform	4.41	83	2525	0.261 ug/L	97
34) Trichloroethene	5.94	95	7147	1.305 ug/L	92
35) Methylcyclohexane	6.10	83	7291	0.827 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	3883	0.735 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	812	0.116 ug/L #	42
46) trans-1,3-Dichloropropene	7.65	75	472	0.082 ug/L #	76
49) Tetrachloroethene	8.00	164	2375	0.591 ug/L	95
51) Dibromochloromethane	8.00	129	2492	0.706 ug/L #	9
70) Naphthalene	13.53	128	5250	0.373 ug/L	96
71) 1,2,3-Trichlorobenzene	13.77	180	444	0.085 ug/L	85

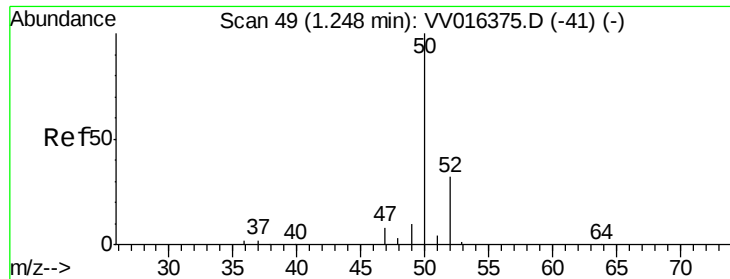
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053120\
Data File : VV016388.D
Acq On : 31 May 2020 15:26
Operator : SY/MD
Sample : L2826-04
Misc : 25.0mL/MSVOA V/WATER
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Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jun 01 07:19:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 07:14:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#3

Chloromethane

Concen: 0.478 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016388.D

Acq: 31 May 2020 15:26

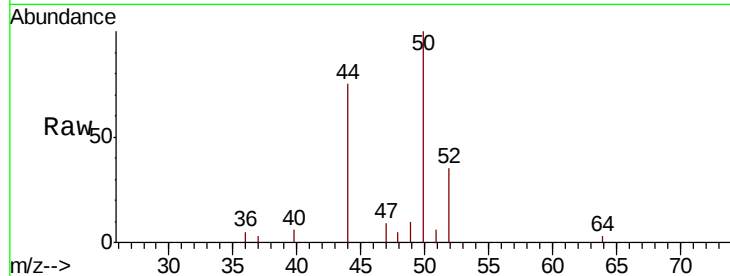
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 3419

Ion Ratio Lower Upper

50 100

52 35.0 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV016375.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV016375.D (-41) (-)

1.25

3000

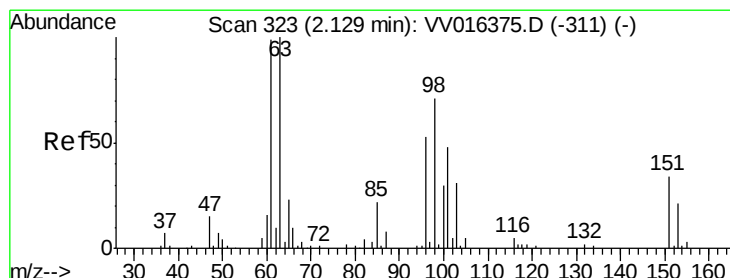
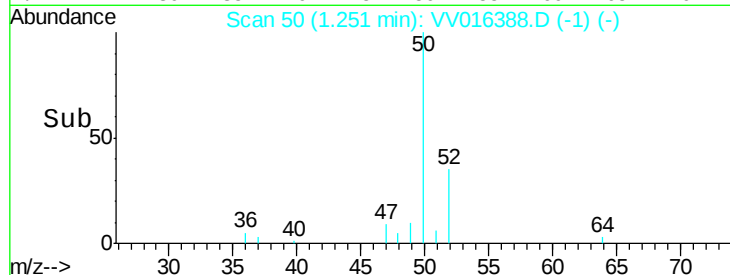
2000

1000

0

Time-->

1.22 1.24 1.26 1.28



#10

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

Concen: 0.081 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016388.D

Acq: 31 May 2020 15:26

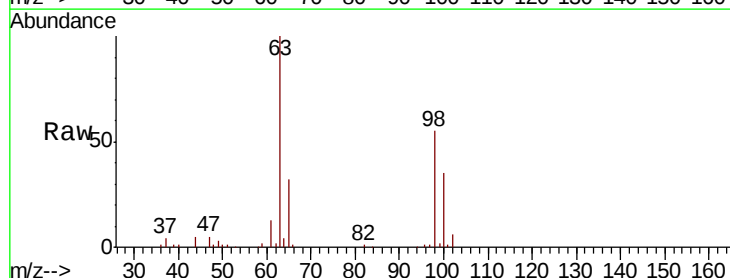
Tgt Ion: 101 Resp: 391

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

151 0.0 57.2 85.8#



Abundance Ion 101.00 (100.70 to 101.70): VV016375.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV016375.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV016375.D (-311) (-)

2.13

300

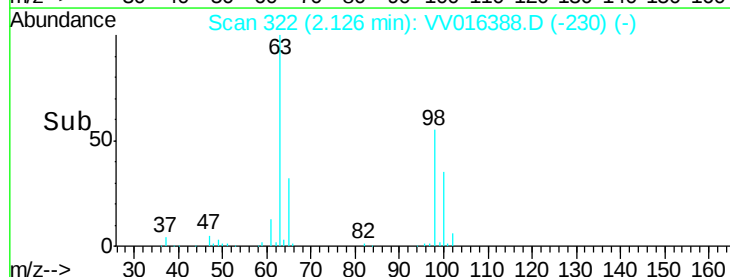
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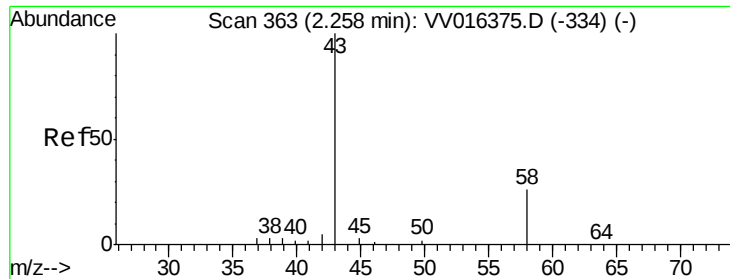
100

0

Time-->

2.10 2.12 2.14 2.16





#13

Acetone

Concen: 1.621 ug/L

RT: 2.26 min Scan# 365

Delta R.T. 0.01 min

Lab File: VV016388.D

Acq: 31 May 2020 15:26

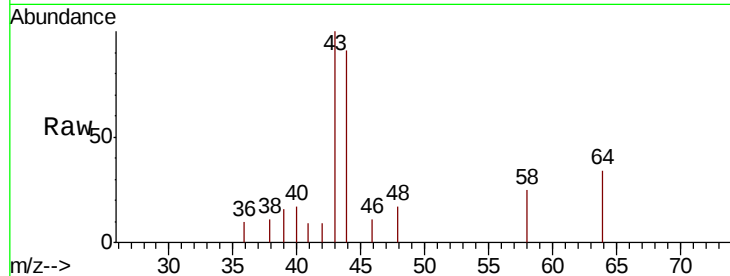
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1475

Ion Ratio Lower Upper

43 100

58 10.8 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV016388.D (-270) (-)

Ion 58.05 (57.75 to 58.75): VV016388.D (-270) (-)

2.26

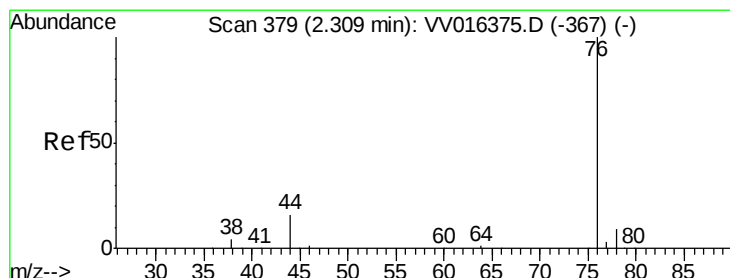
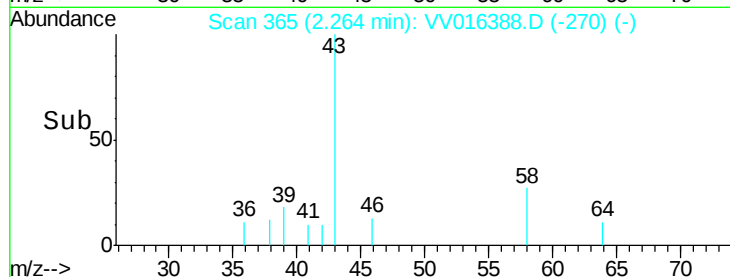
1000

500

0

Time-->

2.25 2.30



#14

Carbon disulfide

Concen: 0.053 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016388.D

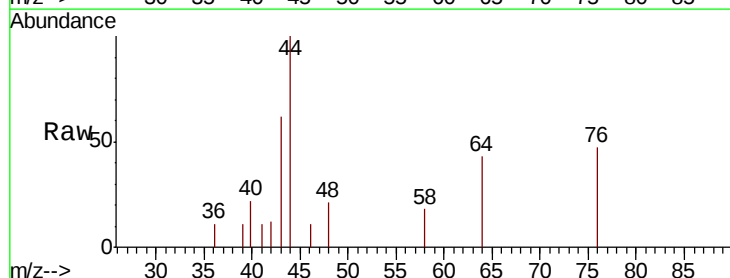
Acq: 31 May 2020 15:26

Tgt Ion: 76 Resp: 739

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VV016388.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV016388.D (-286) (-)

2.31

600

500

400

300

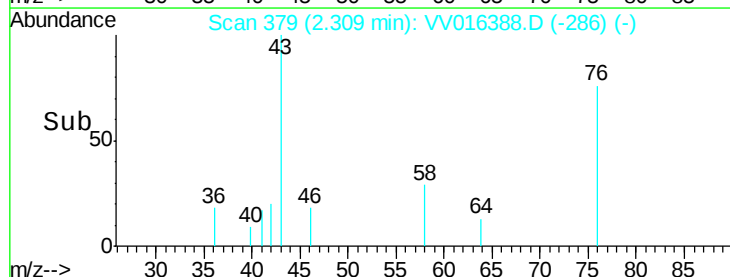
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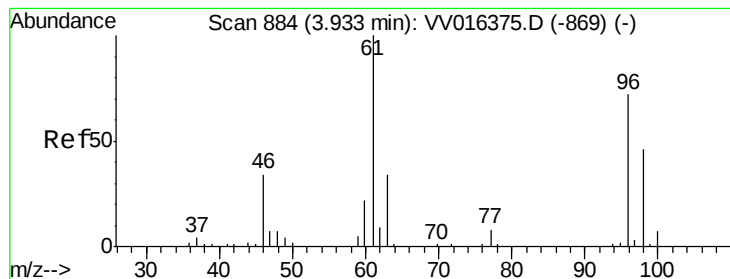
100

0

Time-->

2.28 2.30 2.32 2.34



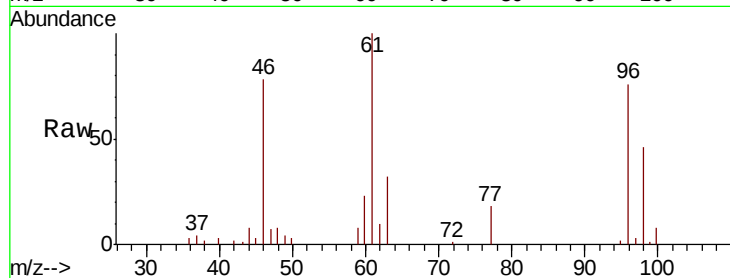


#22

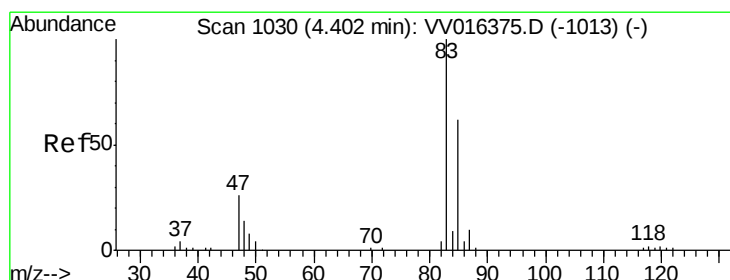
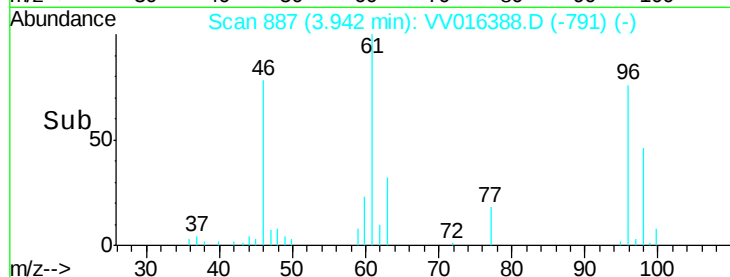
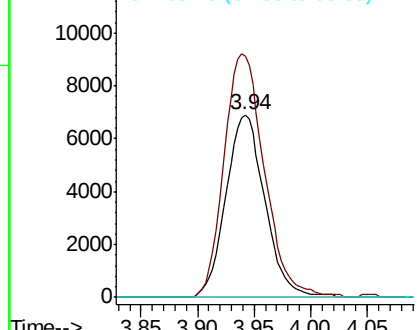
cis-1,2-Dichloroethene
 Concen: 3.067 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV016388.D
 Acq: 31 May 2020 15:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 16567
 Ion Ratio Lower Upper
 96 100
 61 131.8 94.8 176.0
 68 0.0 0.0 0.0



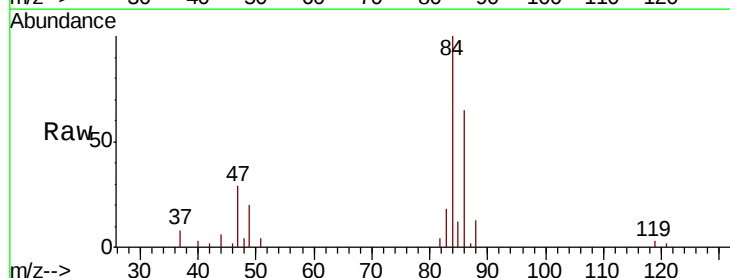
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



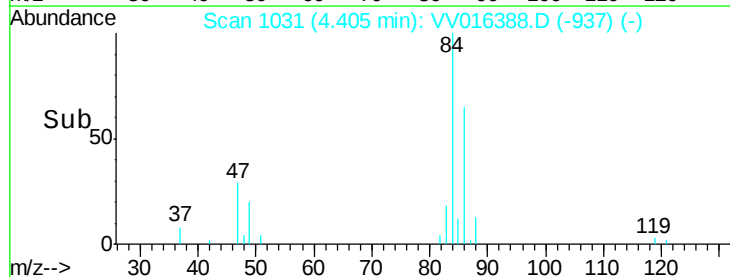
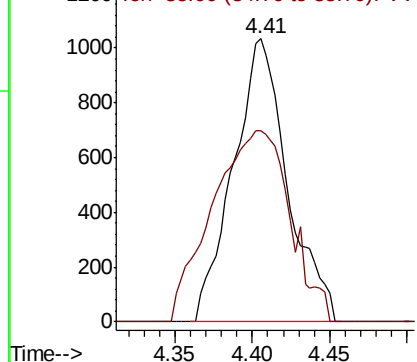
#25

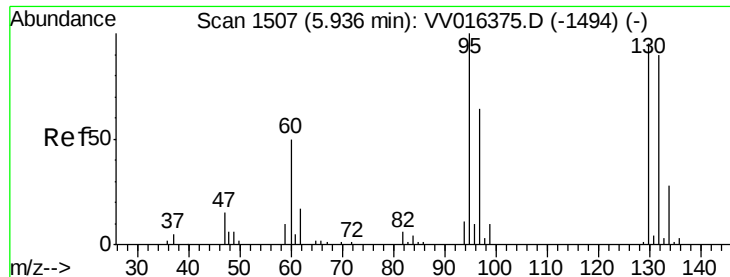
Chloroform
 Concen: 0.261 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV016388.D
 Acq: 31 May 2020 15:26

Tgt Ion: 83 Resp: 2525
 Ion Ratio Lower Upper
 83 100
 85 67.8 45.8 85.2



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





#34

Trichloroethene

Concen: 1.305 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016388.D

Acq: 31 May 2020 15:26

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 7147

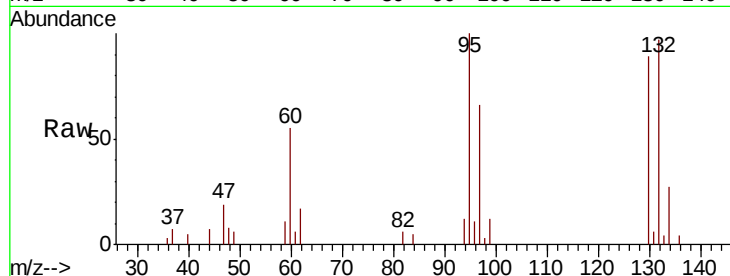
Ion Ratio Lower Upper

95 100

97 66.5 42.6 79.0

132 97.0 59.6 110.8

130 89.5 64.8 120.4

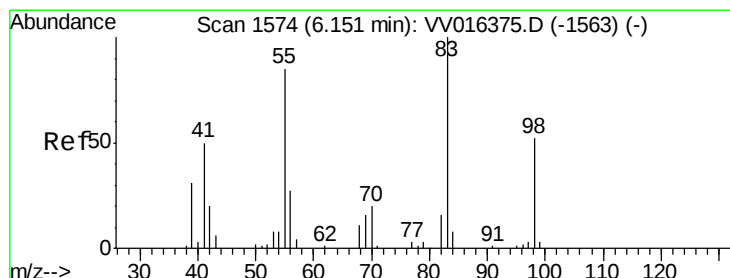
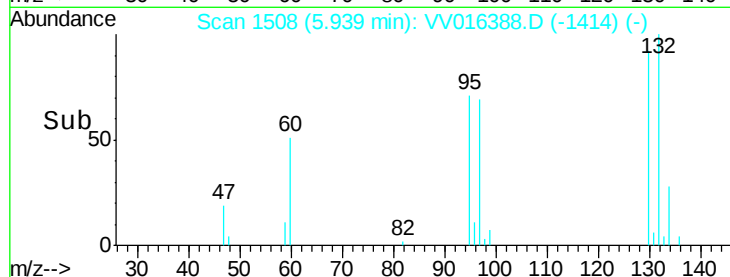
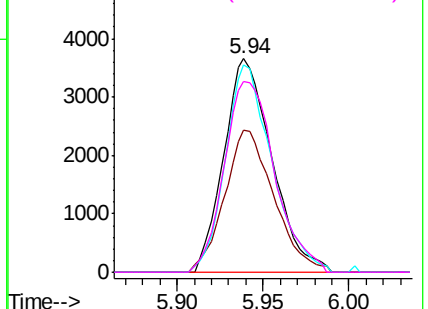


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.827 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016388.D

Acq: 31 May 2020 15:26

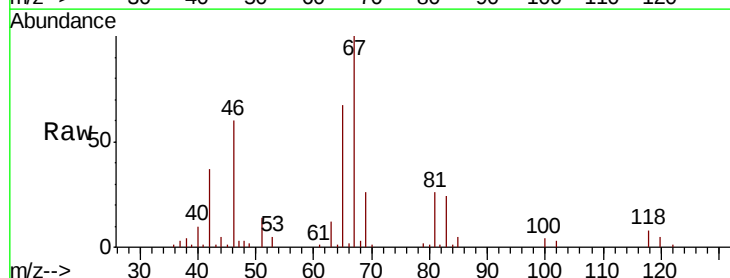
Tgt Ion: 83 Resp: 7291

Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.4#

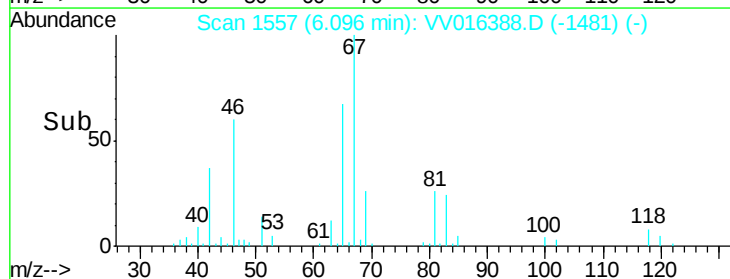
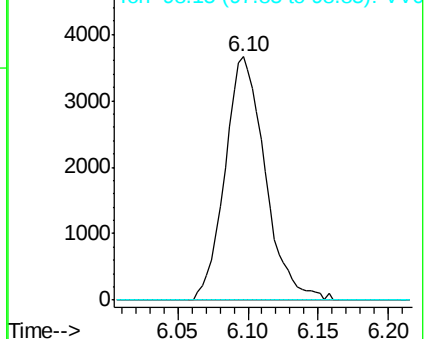
98 2.4 39.0 58.4#

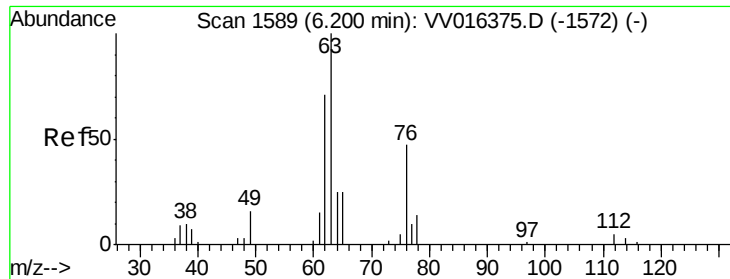


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

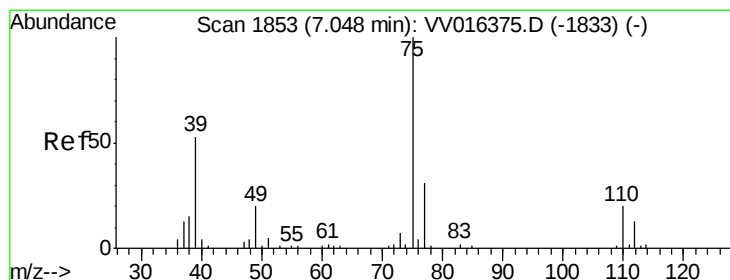
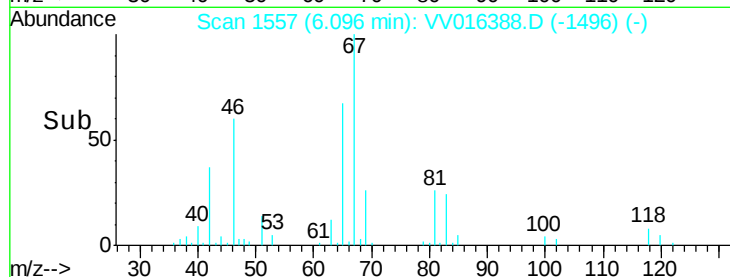
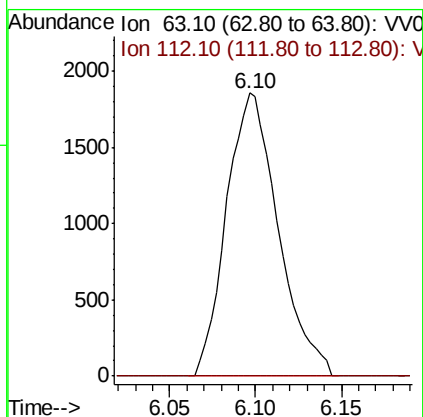
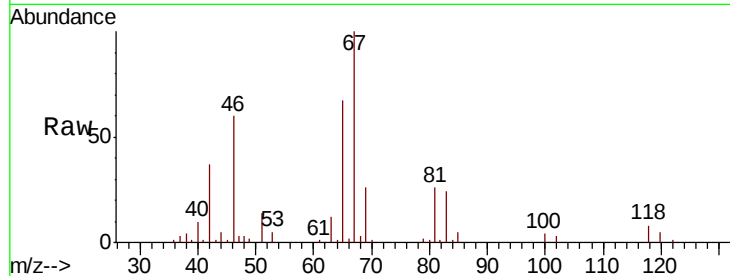




#37
 1,2-Dichloropropane
 Concen: 0.735 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016388.D
 Acq: 31 May 2020 15:26

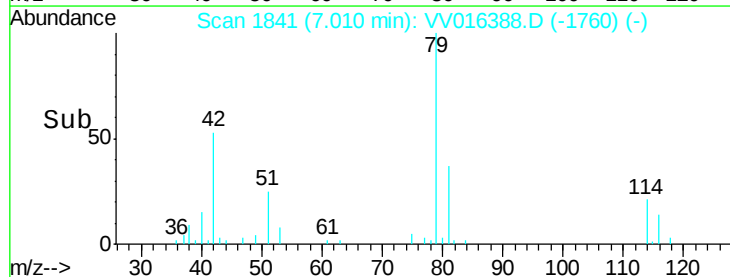
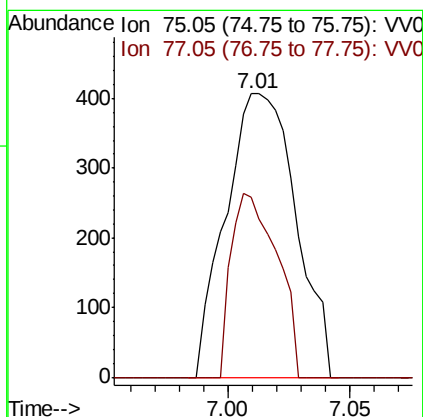
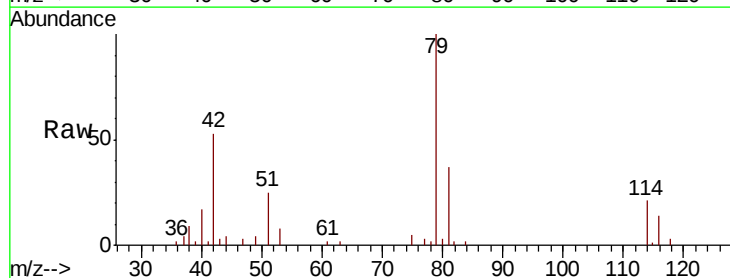
Instrument :
 MSVOA_V
 ClientSampleId :

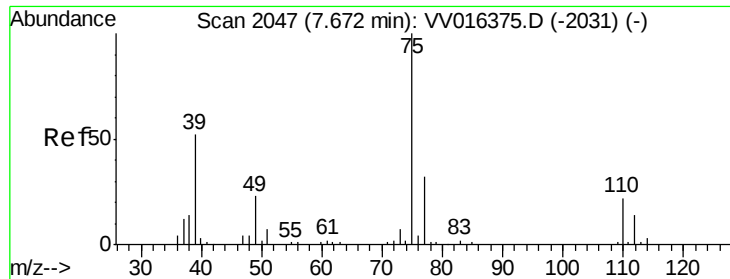
Tot Ion: 63 Resp: 3883
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016388.D
 Acq: 31 May 2020 15:26

Tgt Ion: 75 Resp: 812
 Ion Ratio Lower Upper
 75 100
 77 63.6 22.0 41.0#





#46

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV016388.D

Acq: 31 May 2020 15:26

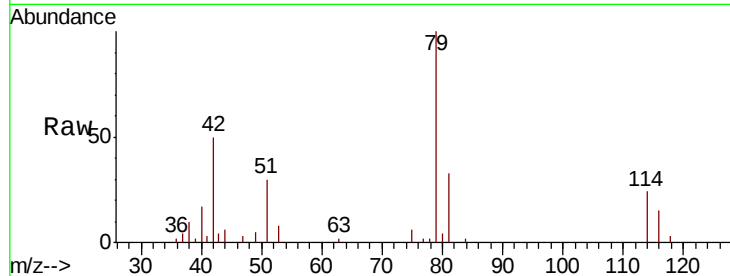
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 472

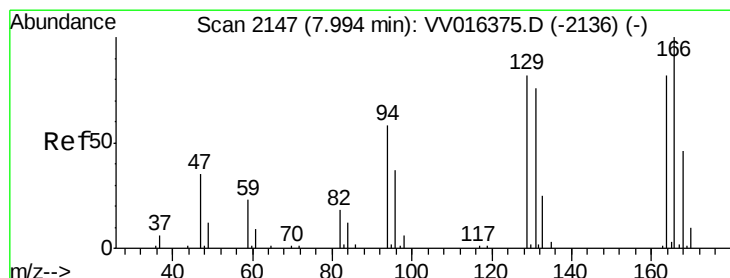
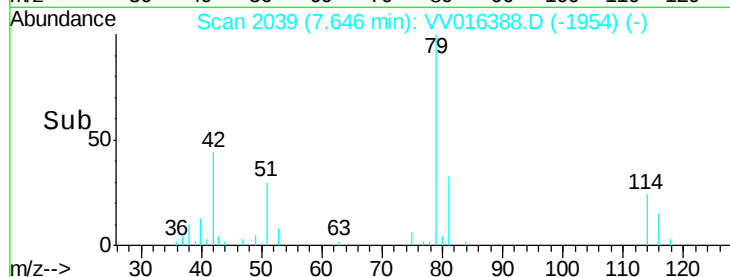
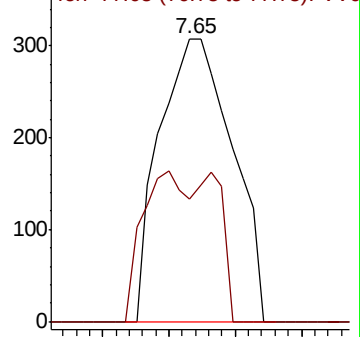
Ion Ratio Lower Upper

75 100

77 43.2 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VV016375.D (-2031) (-)



#49

Tetrachloroethene

Concen: 0.591 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016388.D

Acq: 31 May 2020 15:26

Tgt Ion: 164 Resp: 2375

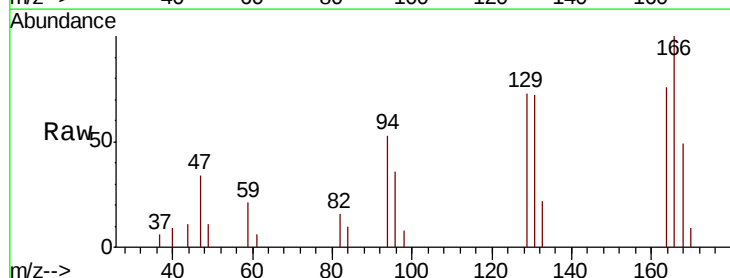
Ion Ratio Lower Upper

164 100

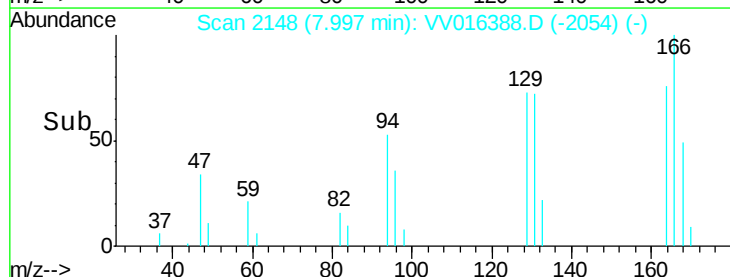
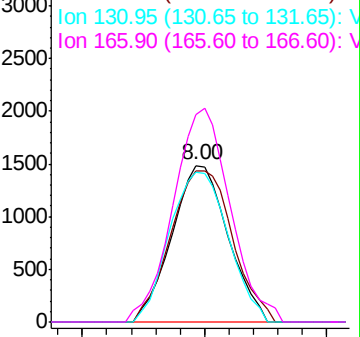
129 96.0 72.2 134.0

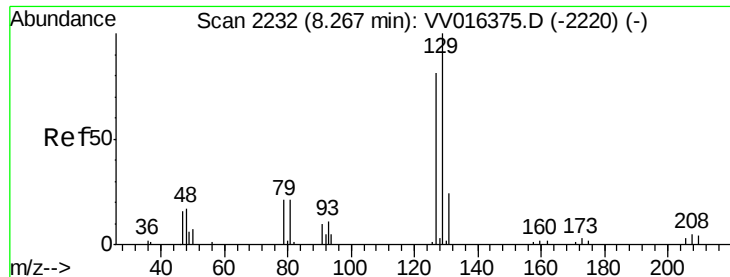
131 95.6 65.8 122.2

166 132.3 88.3 163.9



Abundance Ion 163.90 (163.60 to 164.60): VV016375.D (-2136) (-)

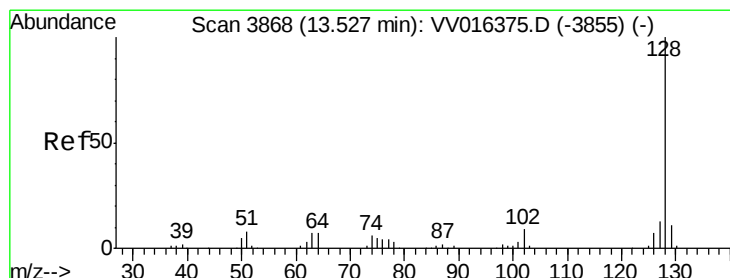
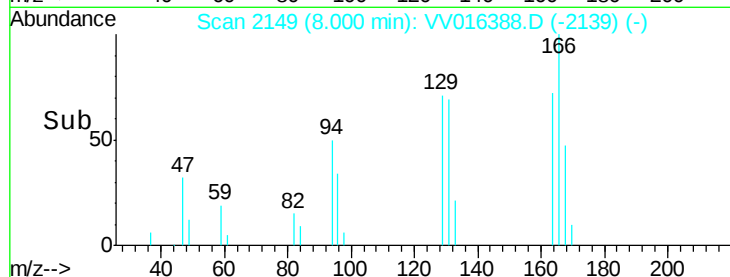
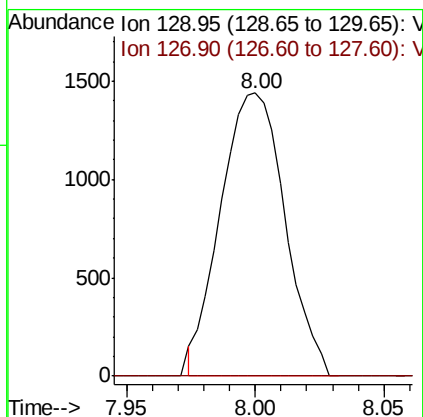
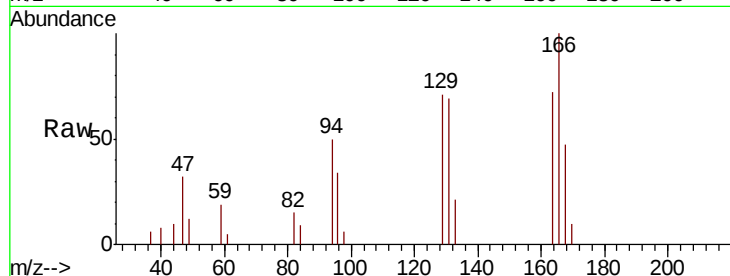




#51
 Dibromochloromethane
 Concen: 0.706 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. -0.27 min
 Lab File: VV016388.D
 Acq: 31 May 2020 15:26

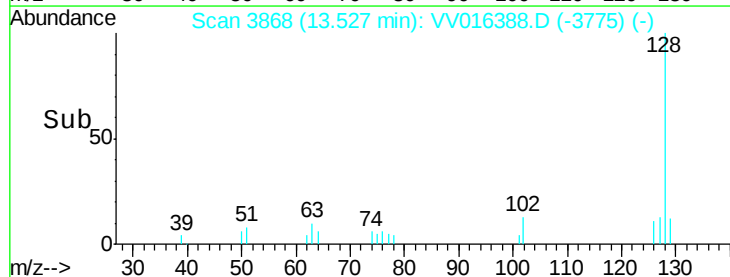
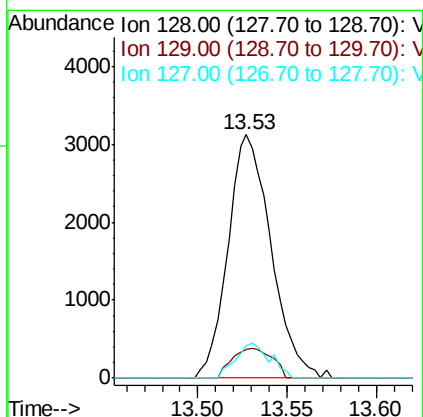
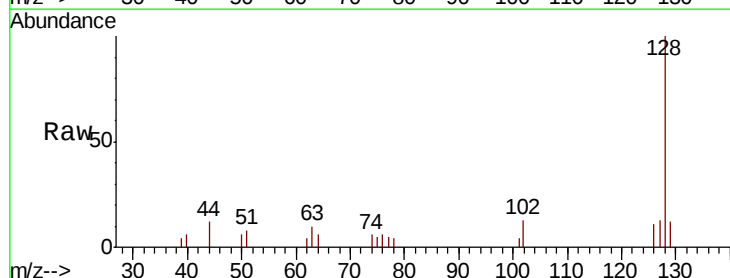
Instrument :
 MSVOA_V
 ClientSampled :

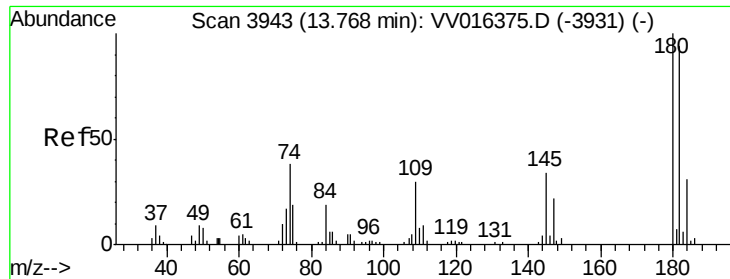
Tot Ion:129 Resp: 2492
 Ion Ratio Lower Upper
 129 100
 127 0.0 57.0 105.8#



#70
 Naphthalene
 Concen: 0.373 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016388.D
 Acq: 31 May 2020 15:26

Tgt Ion:128 Resp: 5250
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.6 12.8
 127 11.4 10.7 16.1





#71

1,2,3-Trichlorobenzene

Concen: 0.085 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

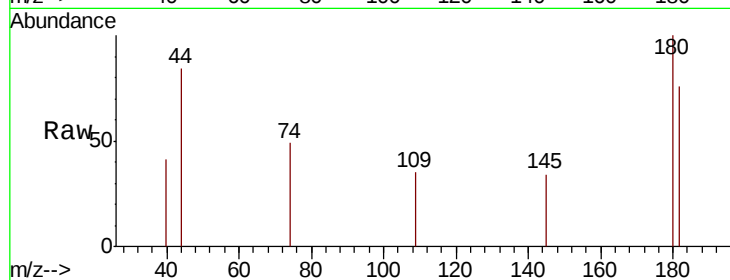
Lab File: VV016388.D

Acq: 31 May 2020 15:26

Instrument :

MSVOA_V

ClientSampleId :



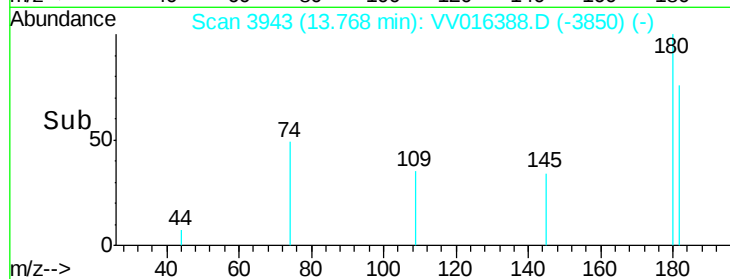
Tot Ion:180 Resp: 444

Ion Ratio Lower Upper

180 100

182 78.2 75.1 112.7

145 29.5 28.5 42.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

