

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016051.D
 Acq On : 13 May 2020 19:35
 Operator : SY/MD
 Sample : L2598-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:32:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 02:25:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	153811	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	152209	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	67563	5.00	ug/L	0.00

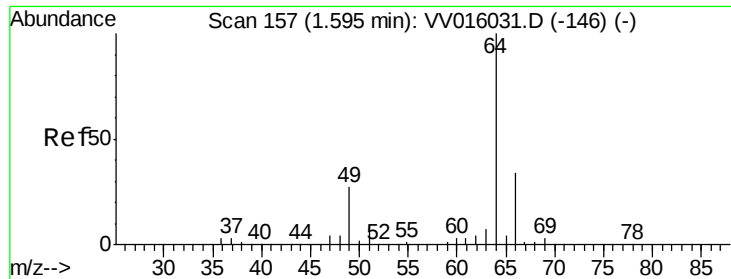
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47857	5.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.60%
7) Chloroethane-d5	1.58	69	46259	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.00%
11) 1,1-Dichloroethene-d2	2.13	63	70924	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	3.93	46	126224	53.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.06%
24) Chloroform-d	4.38	84	96605	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.06	65	53792	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.08	84	187658	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.10	67	57647	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.34	98	165781	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
45) trans-1,3-Dichloropropene-	7.65	79	18113	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
48) 2-Hexanone-d5	8.12	63	91712	48.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.24%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41134	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	58954	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.61	64	4926	0.606	ug/L #	51
12) 1,1-Dichloroethene	2.13	96	650	0.077	ug/L #	1
13) Acetone	2.22	43	4170	2.656	ug/L #	49
17) Methyl tert-butyl Ether	2.79	73	82591	3.755	ug/L	98
22) cis-1,2-Dichloroethene	3.95	96	1096	0.112	ug/L	83
25) Chloroform	4.42	83	2927	0.148	ug/L	85
27) 1,2-Dichloroethane	5.07	62	1276	0.105	ug/L #	76
35) Methylcyclohexane	6.10	83	14732	0.891	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	7244	0.745	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1576	0.115	ug/L #	76
46) trans-1,3-Dichloropropene	7.64	75	950	0.082	ug/L	91
49) Tetrachloroethene	8.00	164	867	0.114	ug/L	92
50) 2-Hexanone	8.12	43	13882	3.237	ug/L #	80
51) Dibromochloromethane	8.00	129	922	0.126	ug/L #	9

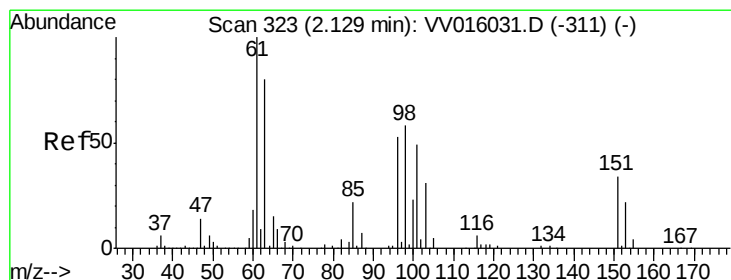
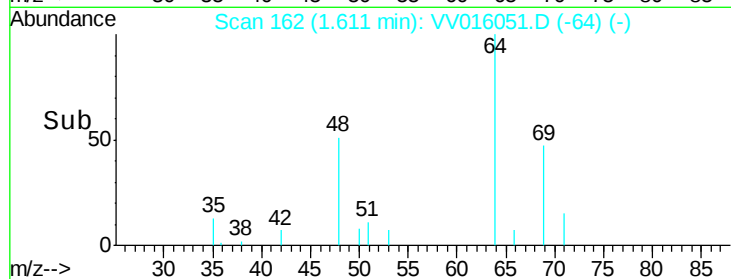
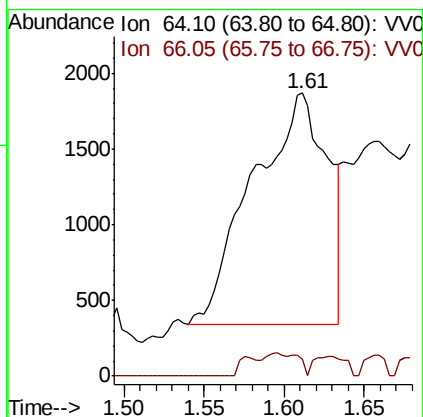
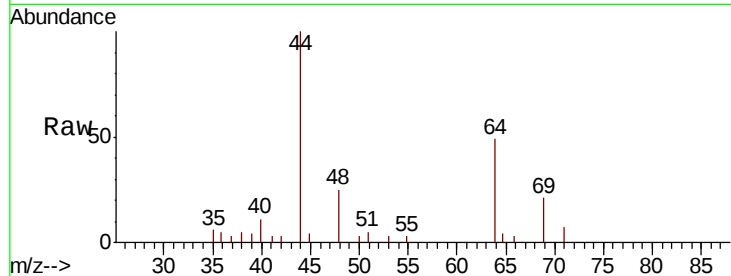
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 0.606 ug/L
RT: 1.61 min Scan# 162
Delta R.T. 0.02 min
Lab File: VV016051.D
Acq: 13 May 2020 19:35

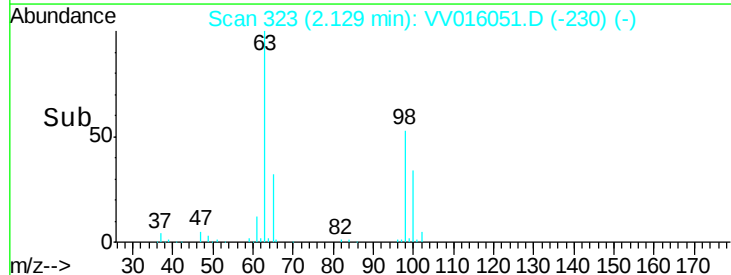
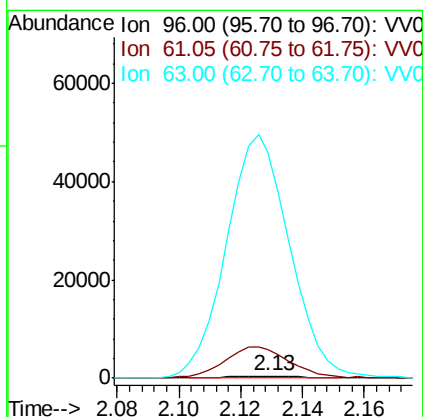
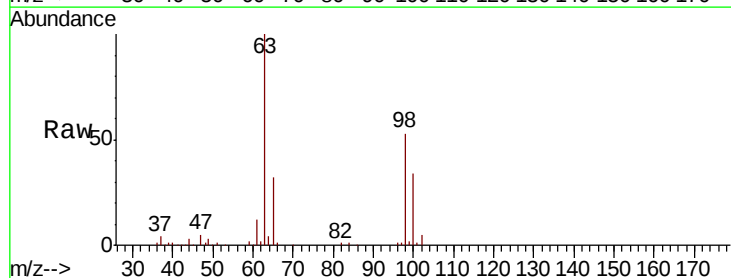
Instrument :
MSVOA_V
ClientSampleId :

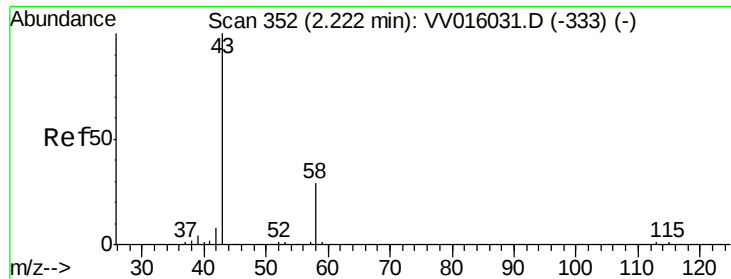
Tot Ion: 64 Resp: 4926
Ion Ratio Lower Upper
64 100
66 6.0 23.6 43.8#



#12
1,1-Dichloroethene
Concen: 0.077 ug/L
RT: 2.13 min Scan# 323
Delta R.T. 0.00 min
Lab File: VV016051.D
Acq: 13 May 2020 19:35

Tgt Ion: 96 Resp: 650
Ion Ratio Lower Upper
96 100
61 1254.6 139.9 259.7#
63 10054.1 106.4 197.6#





#13

Acetone

Concen: 2.656 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV016051.D

Acq: 13 May 2020 19:35

Instrument :

MSVOA_V

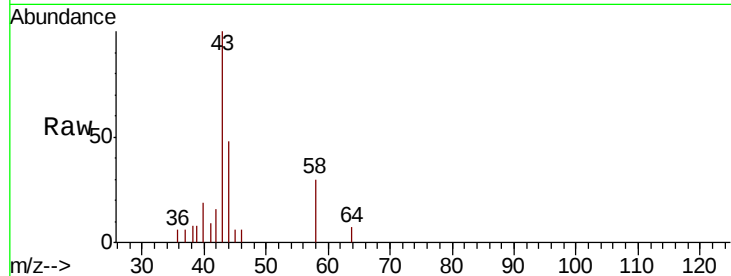
ClientSampleId :

Tot Ion: 43 Resp: 4170

Ion Ratio Lower Upper

43 100

58 36.8 0.0 30.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

1500

1000

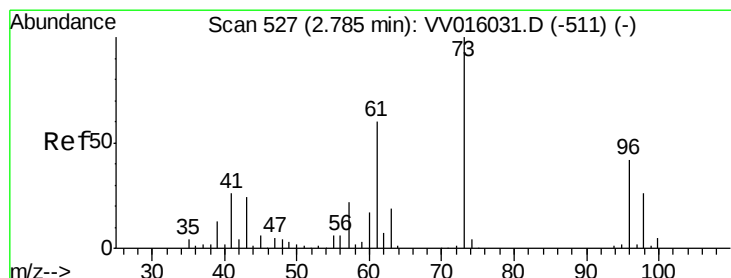
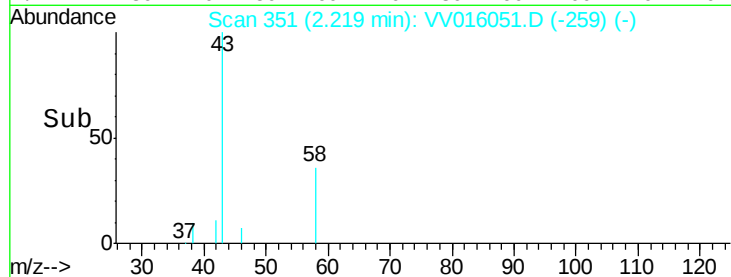
500

200

0

2.15 2.20 2.25 2.30

Time-->



#17

Methyl tert-butyl Ether

Concen: 3.755 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV016051.D

Acq: 13 May 2020 19:35

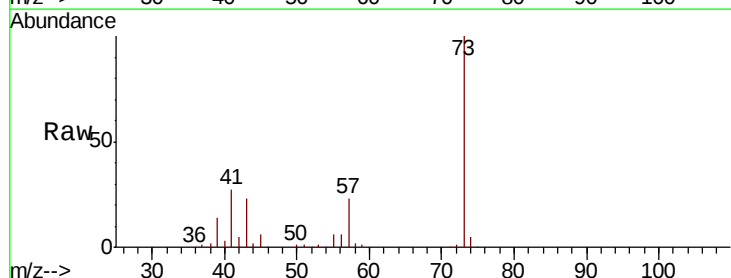
Tgt Ion: 73 Resp: 82591

Ion Ratio Lower Upper

73 100

43 24.5 18.8 28.2

57 23.2 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

2.79

40000

30000

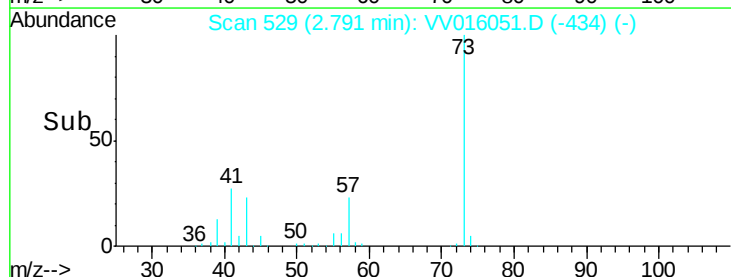
20000

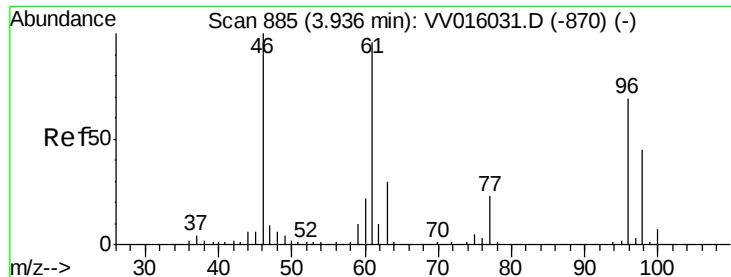
10000

0

2.70 2.80 2.90

Time-->





#22

cis-1,2-Dichloroethene

Concen: 0.112 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.01 min

Lab File: VV016051.D

Acq: 13 May 2020 19:35

Instrument :
MSVOA_V
ClientSampleId :

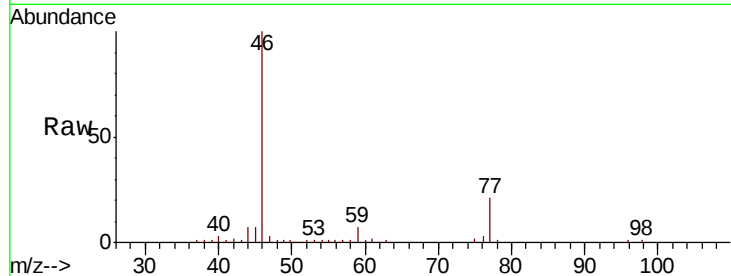
Tot Ion: 96 Resp: 1096

Ion Ratio Lower Upper

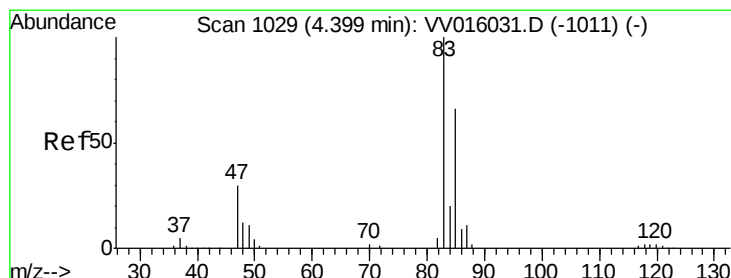
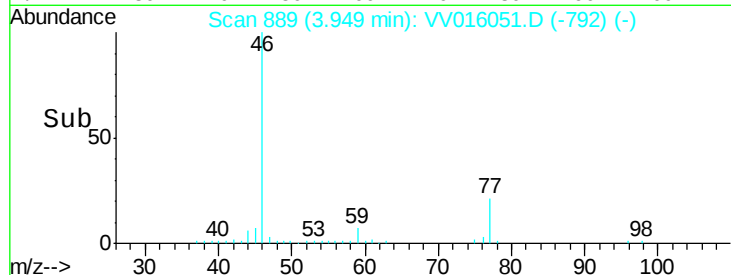
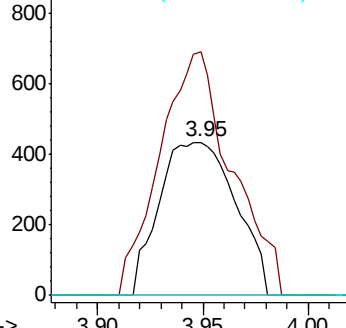
96 100

61 159.0 97.2 180.6

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: 0.148 ug/L

RT: 4.42 min Scan# 1034

Delta R.T. 0.02 min

Lab File: VV016051.D

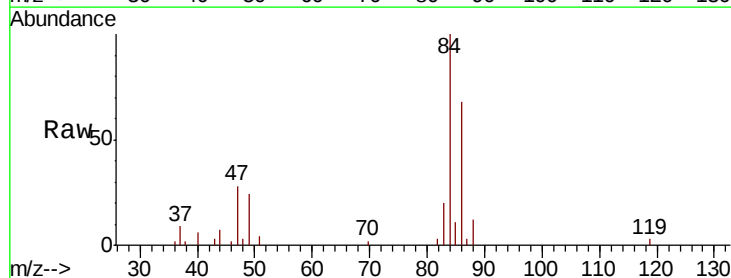
Acq: 13 May 2020 19:35

Tgt Ion: 83 Resp: 2927

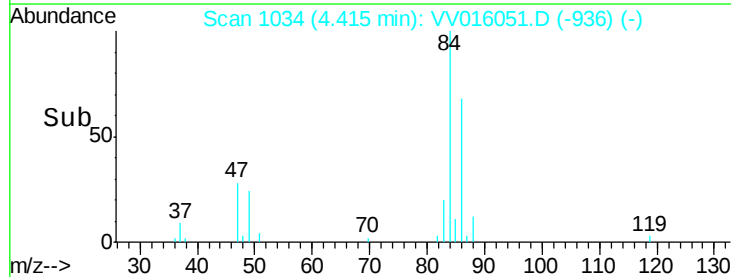
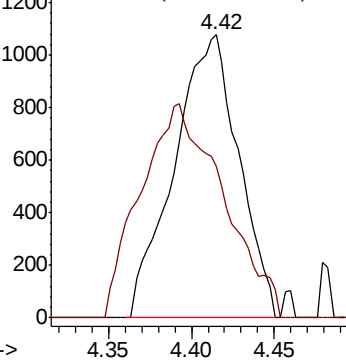
Ion Ratio Lower Upper

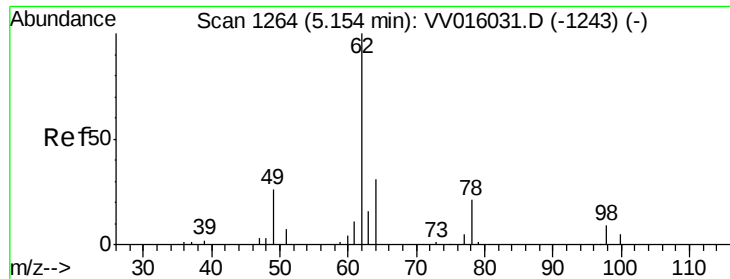
83 100

85 53.8 45.7 84.9



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

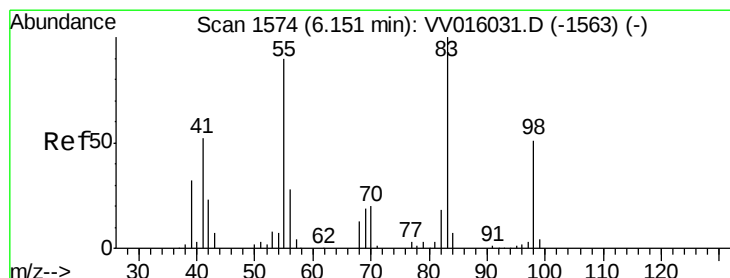
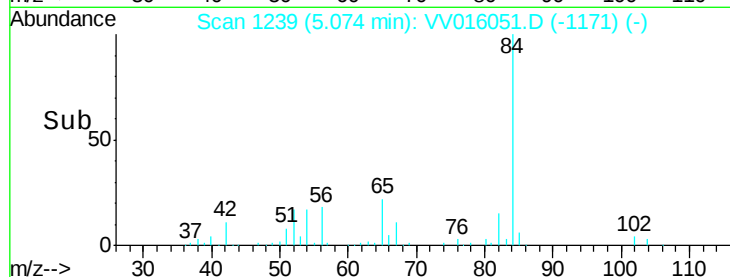
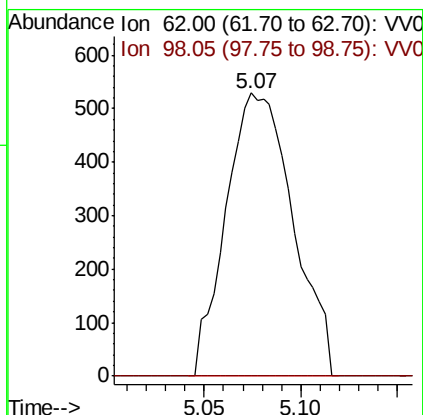
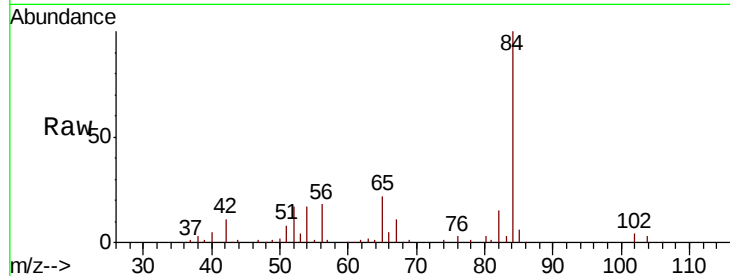




#27
 1,2-Dichloroethane
 Concen: 0.105 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV016051.D
 Acq: 13 May 2020 19:35

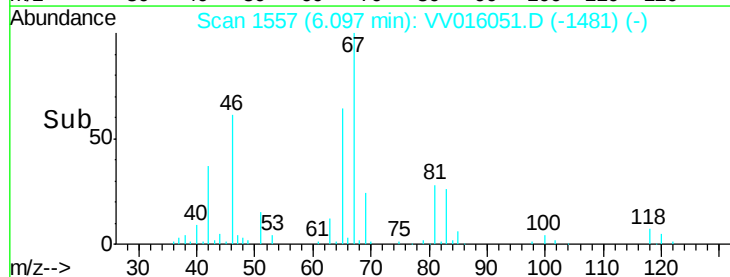
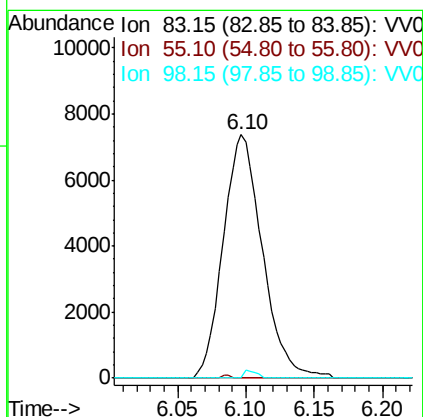
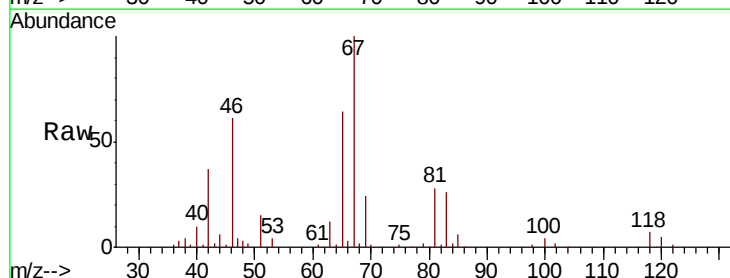
Instrument :
 MSVOA_V
 ClientSampleId :

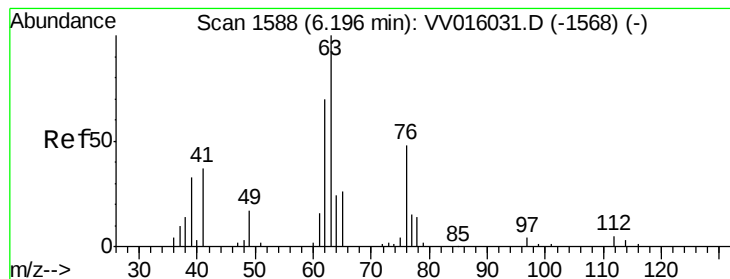
Tot Ion: 62 Resp: 1276
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#35
 Methylcyclohexane
 Concen: 0.891 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV016051.D
 Acq: 13 May 2020 19:35

Tgt Ion: 83 Resp: 14732
 Ion Ratio Lower Upper
 83 100
 55 0.3 66.2 99.2#
 98 0.9 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.745 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016051.D

Acq: 13 May 2020 19:35

Instrument :

MSVOA_V

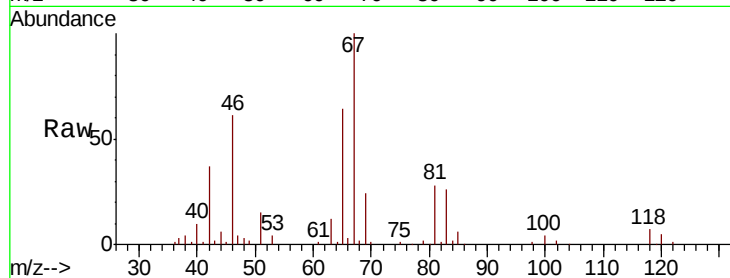
ClientSampleId :

Tot Ion: 63 Resp: 7244

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV016031.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV016031.D (-1568) (-)

4000

3000

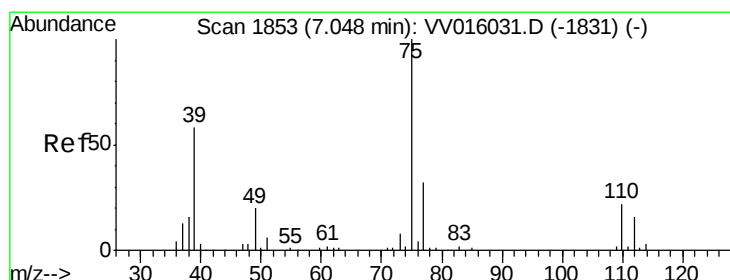
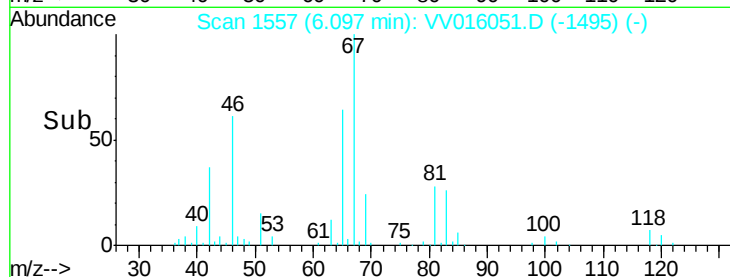
2000

1000

0

6.05 6.10 6.15 6.20

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV016051.D

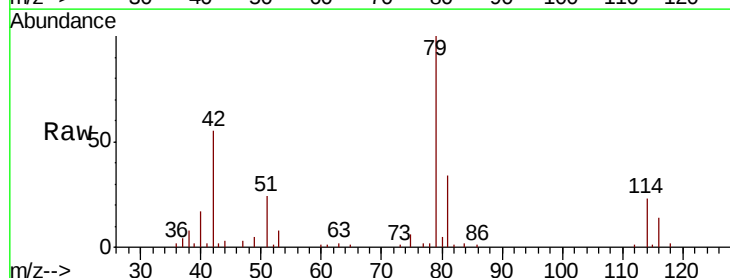
Acq: 13 May 2020 19:35

Tgt Ion: 75 Resp: 1576

Ion Ratio Lower Upper

75 100

77 43.4 21.3 39.5#



Abundance Ion 75.05 (74.75 to 75.75): VV016031.D (-1831) (-)

Ion 77.05 (76.75 to 77.75): VV016031.D (-1831) (-)

1000

800

600

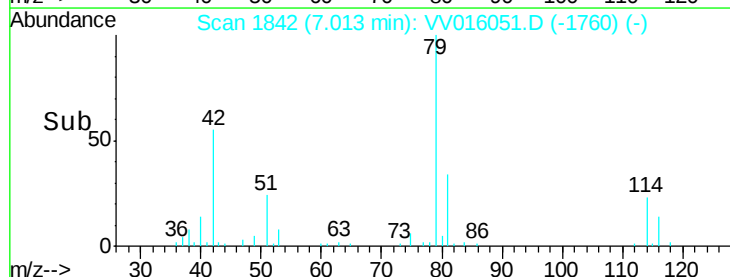
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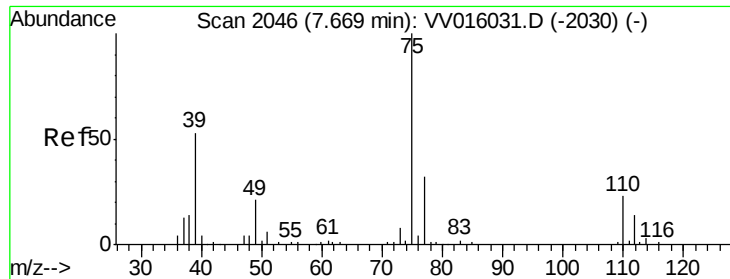
200

0

6.95 7.00 7.05

Time-->





#46

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016051.D

Acq: 13 May 2020 19:35

Instrument :

MSVOA_V

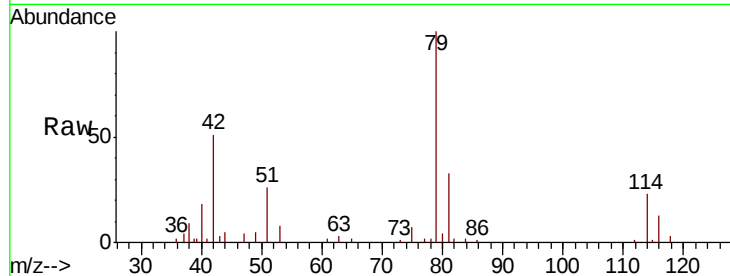
ClientSampleId :

Tot Ion: 75 Resp: 950

Ion Ratio Lower Upper

75 100

77 35.4 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV016031.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV016031.D (-2030) (-)

7.64

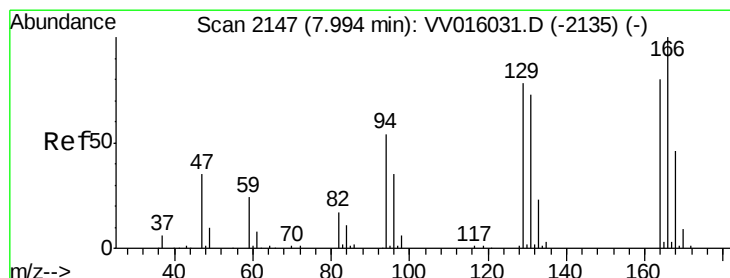
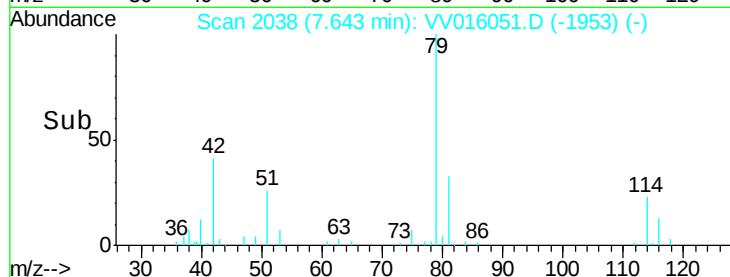
600

400

200

0

Time-->



#49

Tetrachloroethene

Concen: 0.114 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV016051.D

Acq: 13 May 2020 19:35

Tgt Ion: 164 Resp: 867

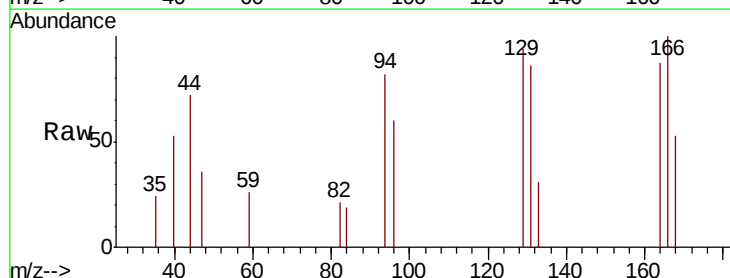
Ion Ratio Lower Upper

164 100

129 108.1 69.7 129.4

131 98.1 66.8 124.2

166 114.4 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016031.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV016031.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV016031.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV016031.D (-2135) (-)

8.00

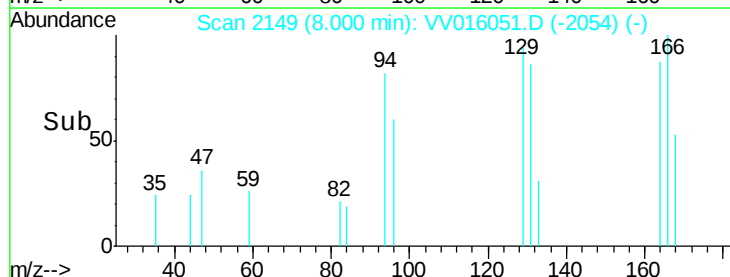
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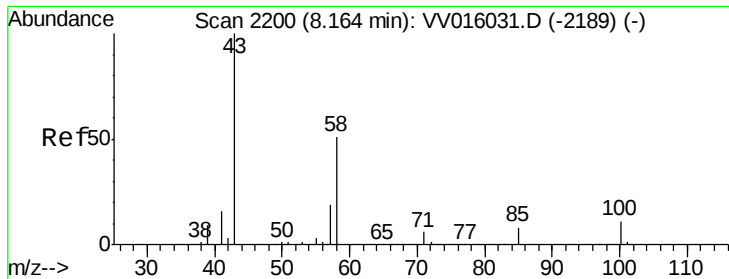
400

200

0

Time-->

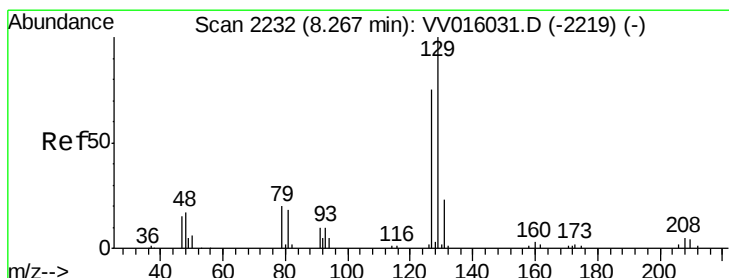
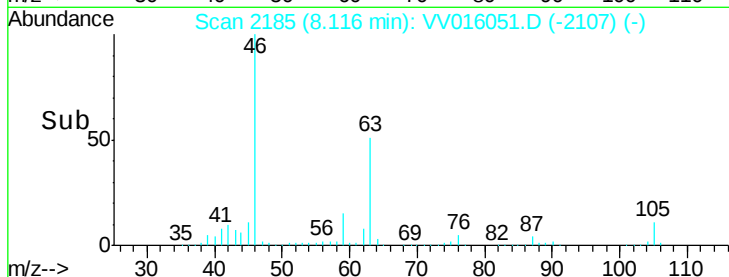
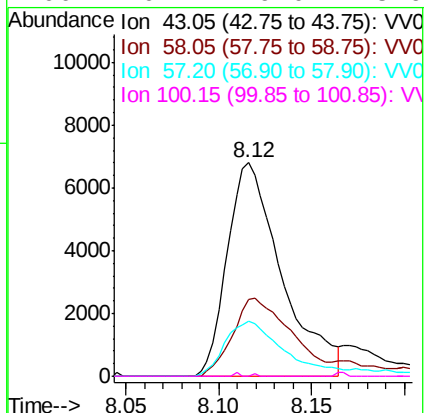
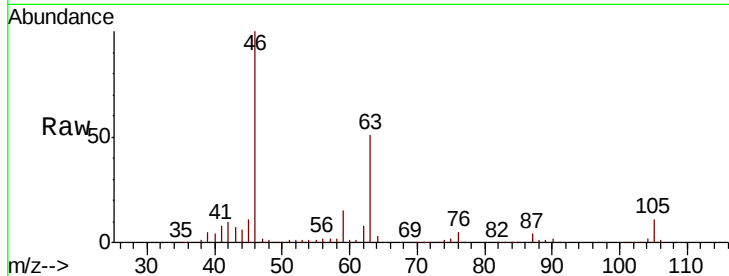




#50
2-Hexanone
Concen: 3.237 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016051.D
Acq: 13 May 2020 19:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 13882
Ion Ratio Lower Upper
43 100
58 39.3 40.8 61.2#
57 28.0 14.7 22.1#
100 0.1 9.0 13.6#



#51
Dibromochloromethane
Concen: 0.126 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV016051.D
Acq: 13 May 2020 19:35

Tgt Ion: 129 Resp: 922
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

