

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016049.D
 Acq On : 13 May 2020 18:49
 Operator : SY/MD
 Sample : L2598-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:31:48 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	5.65	114	85055	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	84748	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	39367	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27926	6.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.00%
7) Chloroethane-d5	1.58	69	26197	5.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.80%
11) 1,1-Dichloroethene-d2	2.13	63	41926	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.60%
20) 2-Butanone-d5	3.93	46	110132	83.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	167.34%#
24) Chloroform-d	4.38	84	55786	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.06	65	35842	6.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.00%
32) Benzene-d6	5.08	84	104270	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.10	67	34482	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.34	98	91387	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
45) trans-1,3-Dichloropropene-	7.65	79	11718	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
48) 2-Hexanone-d5	8.12	63	76205	71.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	143.62%#
59) 1,1,2,2-Tetrachloroethane-	10.24	84	30943	7.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	143.00%#
65) 1,2-Dichlorobenzene-d4	11.65	152	34878	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

					Ovalue
8) Chloroethane	1.60	64	438	0.097 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	799	0.163 ug/L #	58
12) 1,1-Dichloroethene	2.13	96	455	0.097 ug/L #	1
13) Acetone	2.21	43	4584	5.279 ug/L	98
14) Carbon disulfide	2.32	76	621	0.040 ug/L #	50
16) Methylene chloride	2.53	84	635	0.113 ug/L	84
17) Methyl tert-butyl Ether	2.79	73	6780	0.557 ug/L #	88
25) Chloroform	4.41	83	3852	0.351 ug/L	88
31) Carbon tetrachloride	4.86	117	1749	0.217 ug/L	84
34) Trichloroethene	5.95	95	3628	0.596 ug/L	94
35) Methylcyclohexane	6.10	83	8371	0.909 ug/L #	17
37) 1,2-Dichloropropane	6.10	63	4218	0.779 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	924	0.121 ug/L #	14
46) trans-1,3-Dichloropropene	7.65	75	494	0.076 ug/L #	43
49) Tetrachloroethene	8.00	164	64107	15.097 ug/L	96
50) 2-Hexanone	8.12	43	11634	4.872 ug/L #	91
51) Dibromochloromethane	8.00	129	63673	15.664 ug/L #	9

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 14 02:25:38 2020
Response via : Initial Calibration

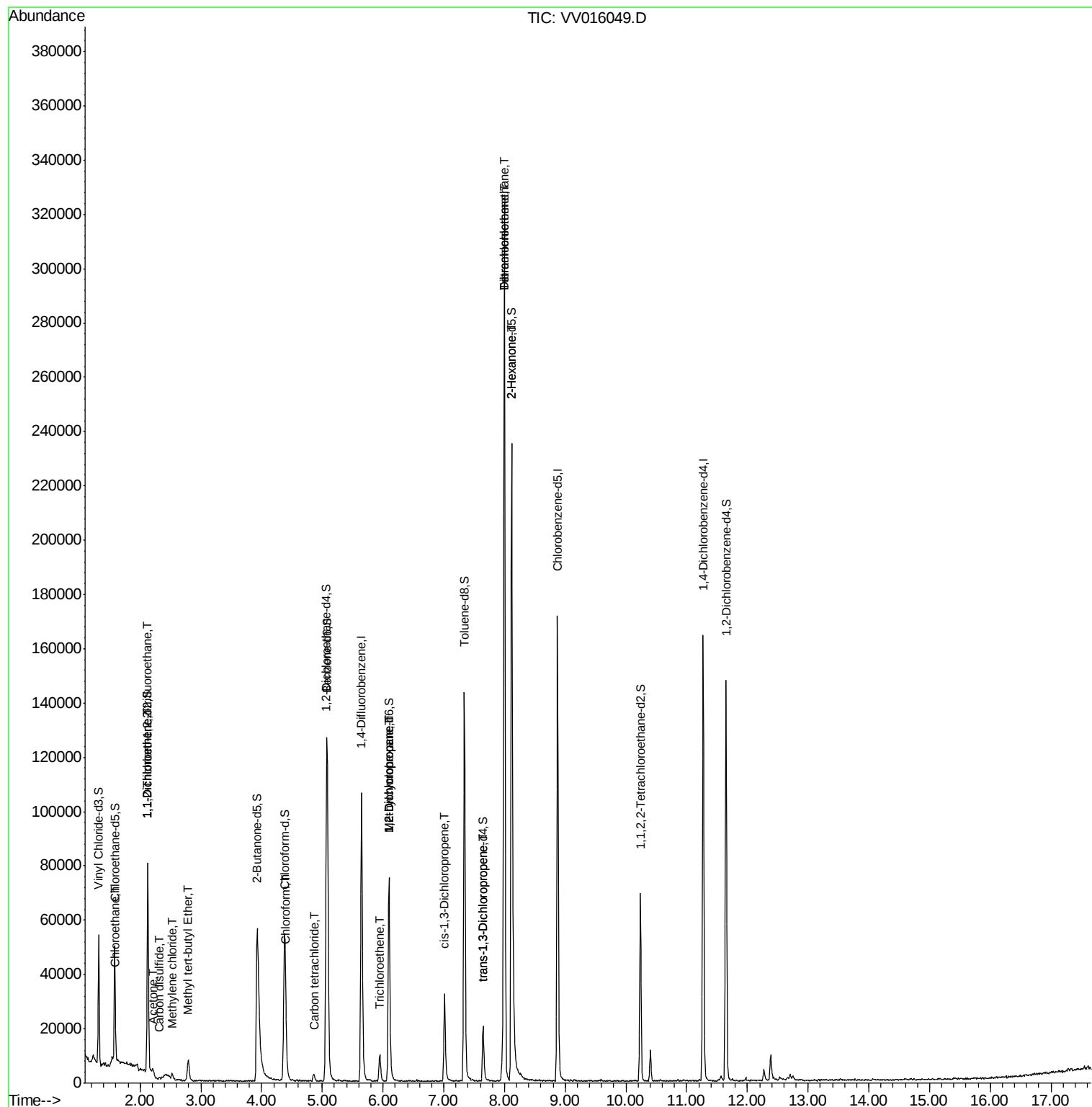
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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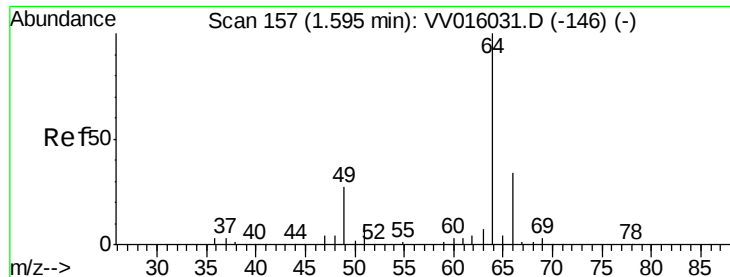
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.097 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.01 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

Instrument :

MSVOA_V

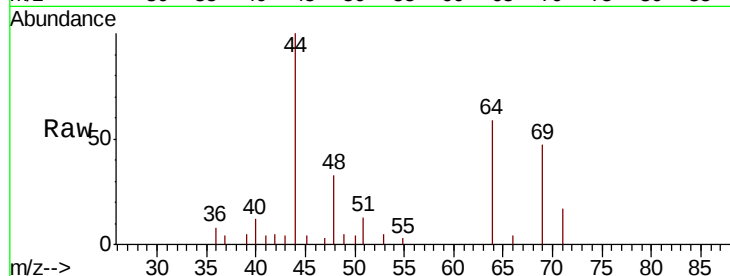
ClientSampleId :

Tot Ion: 64 Resp: 438

Ion Ratio Lower Upper

64 100

66 6.9 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV016049.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV016049.D (-64) (-)

1.60

2000

1500

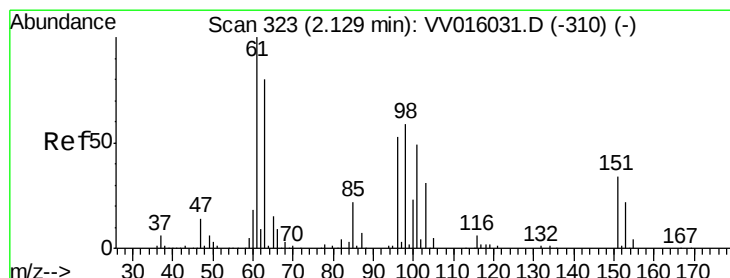
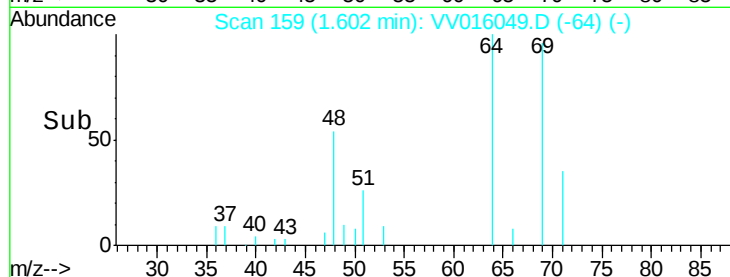
1000

500

0

1.59 1.60 1.61

Time-->



#10

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

Concen: 0.163 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

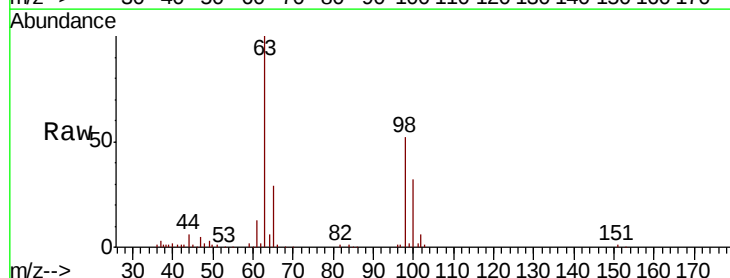
Tgt Ion: 101 Resp: 799

Ion Ratio Lower Upper

101 100

85 29.4 35.7 53.5#

151 28.2 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): VV016049.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV016049.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016049.D (-230) (-)

2.13

600

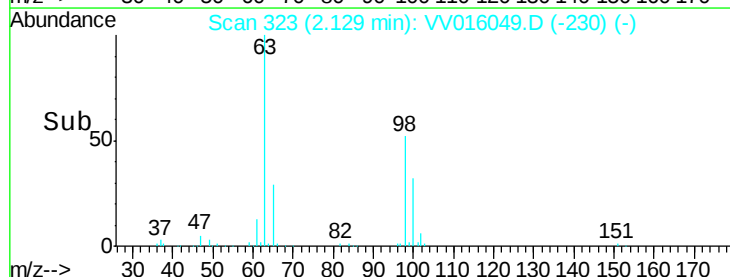
400

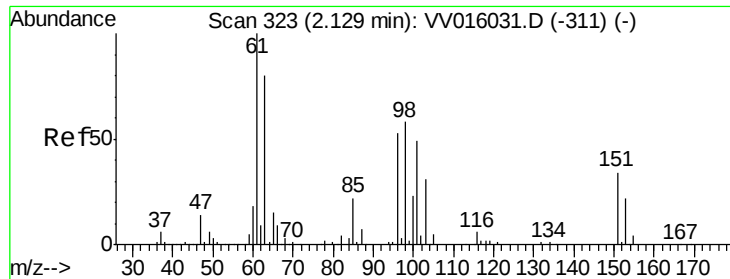
200

0

2.10 2.15

Time-->





#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.13 min Scan# 322

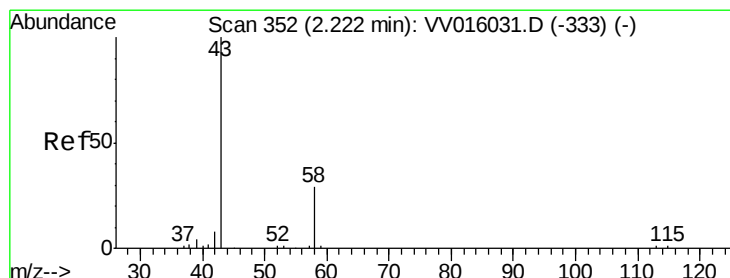
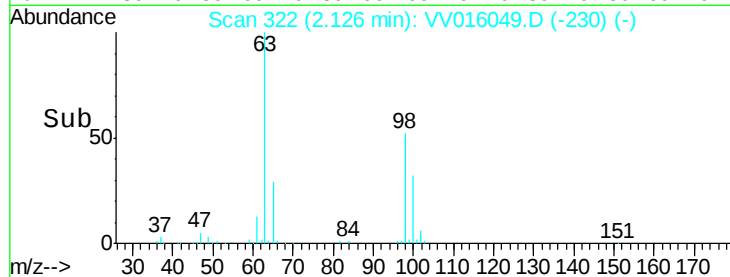
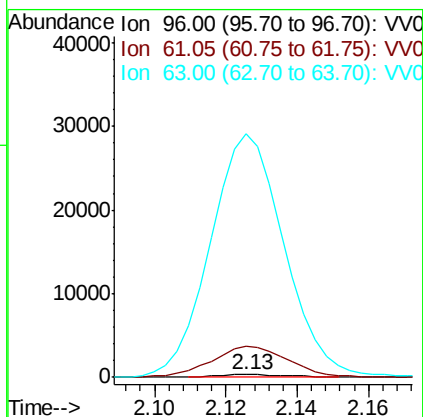
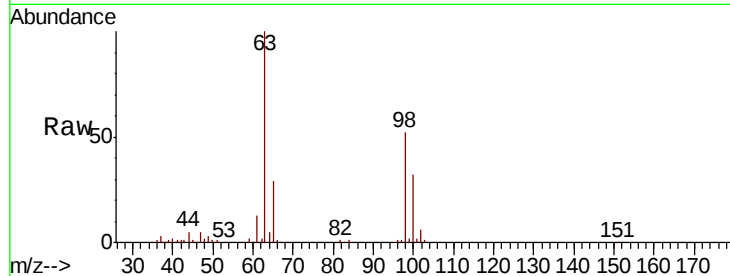
Delta R.T. -0.00 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	96	Resp:	455
Ion	Ratio	Lower	Upper
96	100		
61	1206.2	139.9	259.7#
63	9449.4	106.4	197.6#



#13

Acetone

Concen: 5.279 ug/L

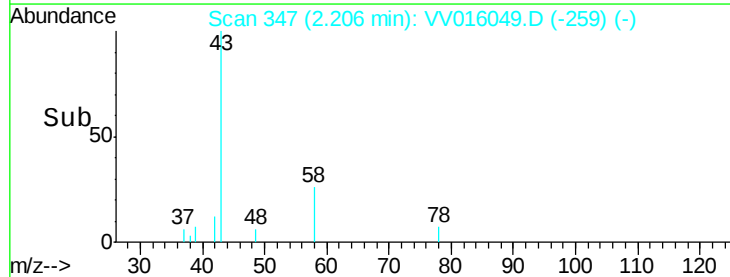
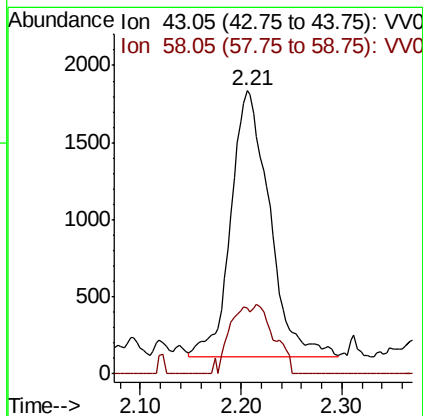
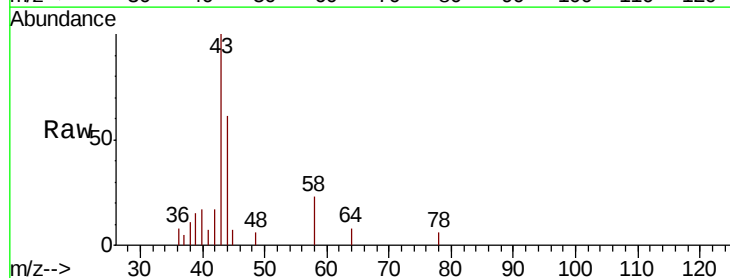
RT: 2.21 min Scan# 347

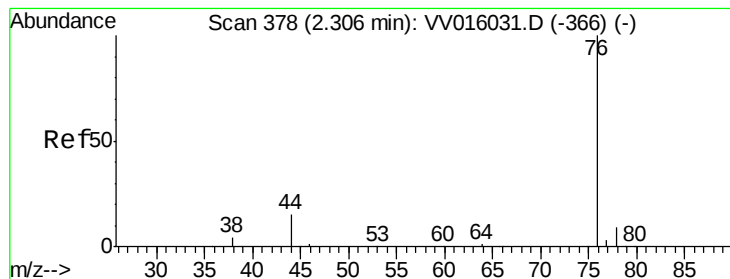
Delta R.T. -0.02 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

Tgt Ion:	43	Resp:	4584
Ion	Ratio	Lower	Upper
43	100		
58	14.6	0.0	30.8





#14

Carbon disulfide

Concen: 0.040 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

Instrument :

MSVOA_V

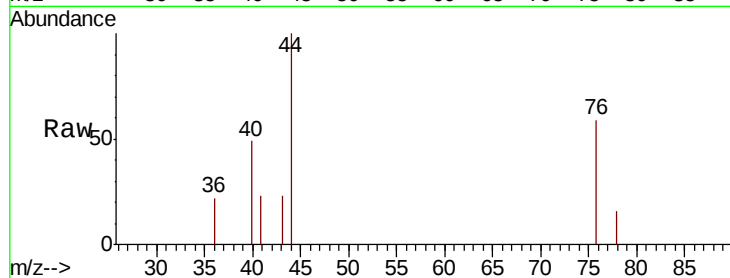
ClientSampled :

Tot Ion: 76 Resp: 621

Ion Ratio Lower Upper

76 100

78 26.7 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

400

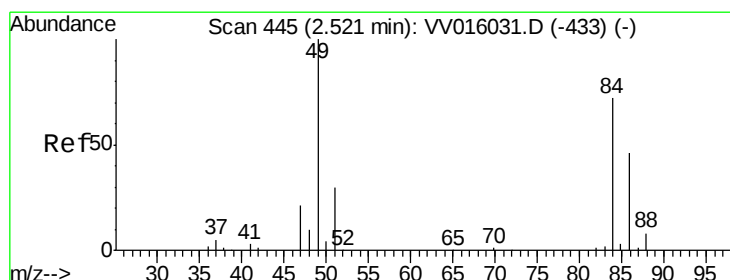
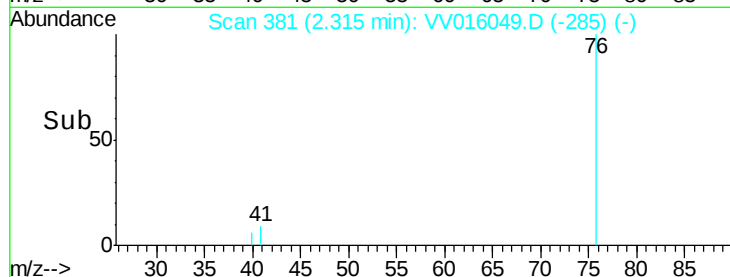
300

200

100

0

Time-->



#16

Methylene chloride

Concen: 0.113 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.01 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

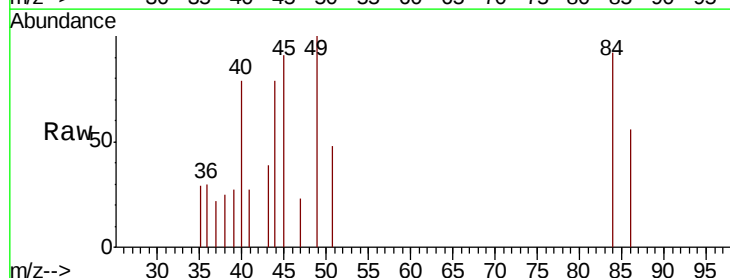
Tgt Ion: 84 Resp: 635

Ion Ratio Lower Upper

84 100

86 60.6 45.6 84.8

49 108.9 93.6 173.8



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

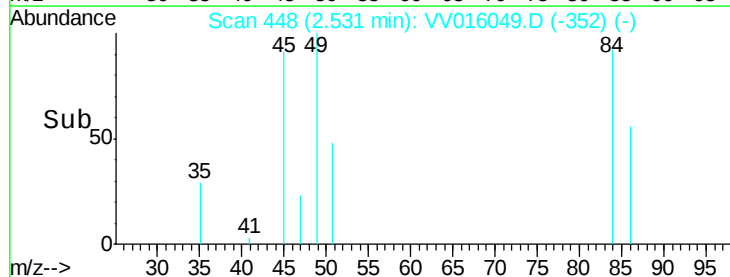
600

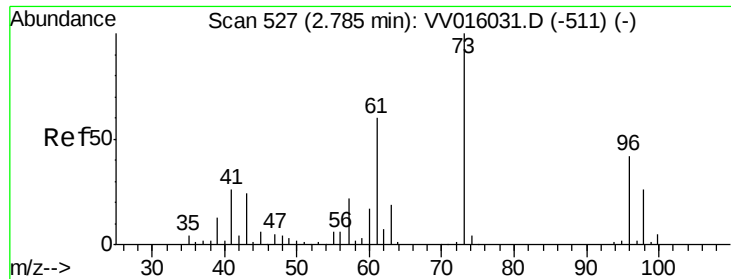
400

200

0

Time-->

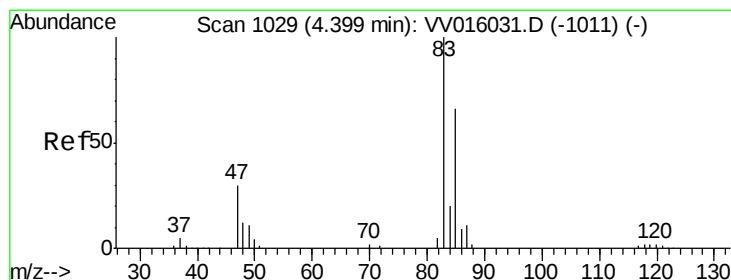
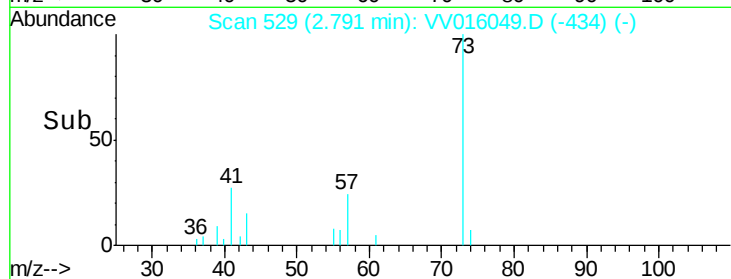
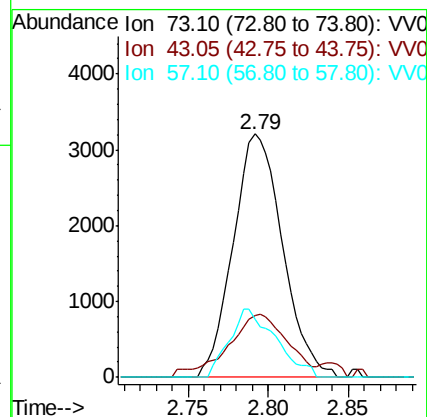
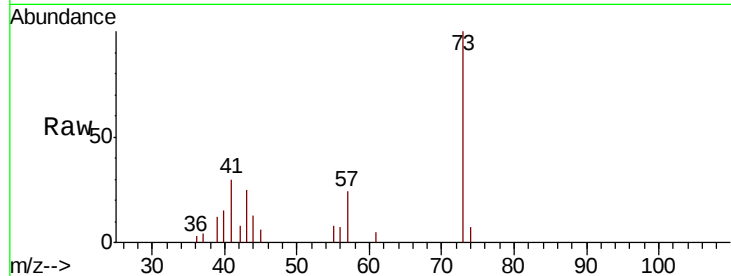




#17
Methvl tert-butvl Ether
Concen: 0.557 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV016049.D
Acq: 13 May 2020 18:49

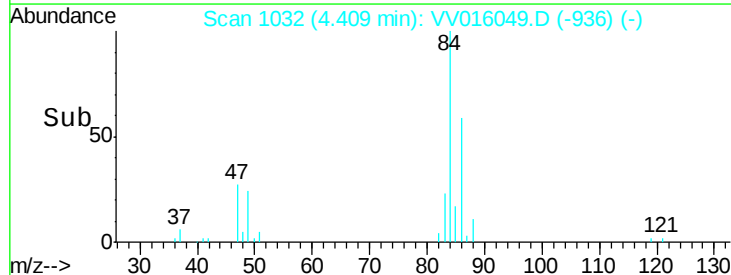
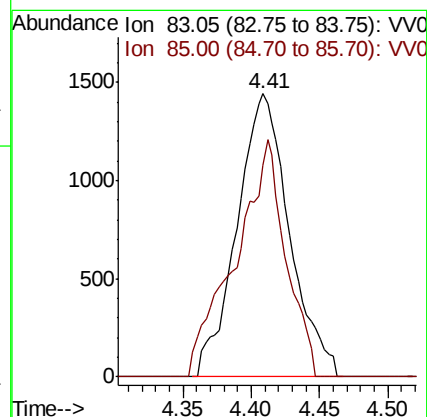
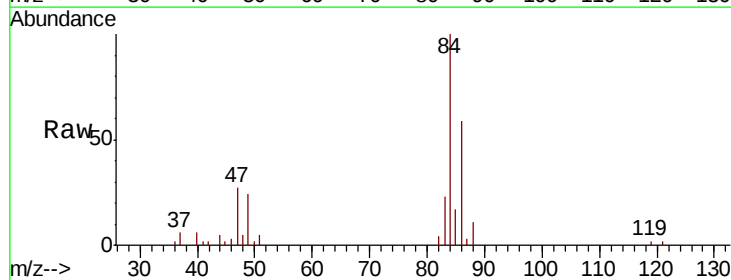
Instrument :
MSVOA_V
ClientSampleId :

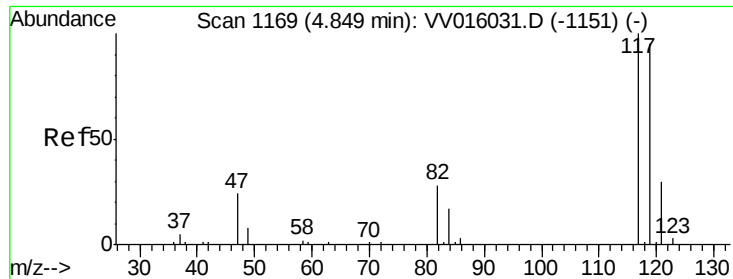
Tot Ion: 73 Resp: 6780
Ion Ratio Lower Upper
73 100
43 31.5 18.8 28.2#
57 26.2 17.8 26.6



#25
Chloroform
Concen: 0.351 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016049.D
Acq: 13 May 2020 18:49

Tgt Ion: 83 Resp: 3852
Ion Ratio Lower Upper
83 100
85 74.8 45.7 84.9





#31

Carbon tetrachloride

Concen: 0.217 ug/L

RT: 4.86 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

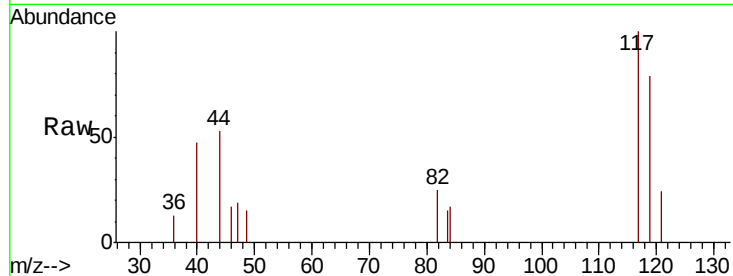
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 1749

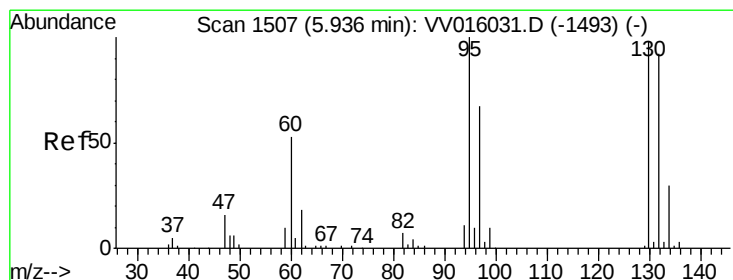
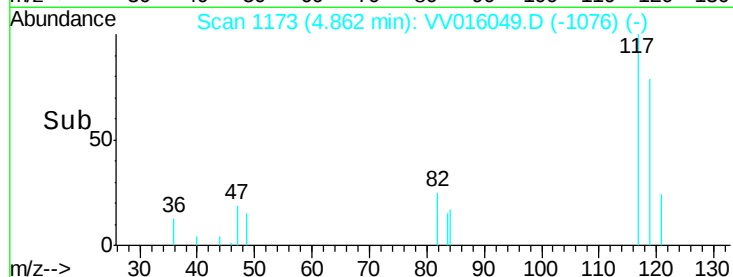
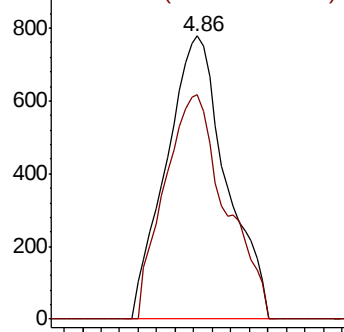
Ion Ratio Lower Upper

117 100

119 81.0 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.596 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

Tgt Ion: 95 Resp: 3628

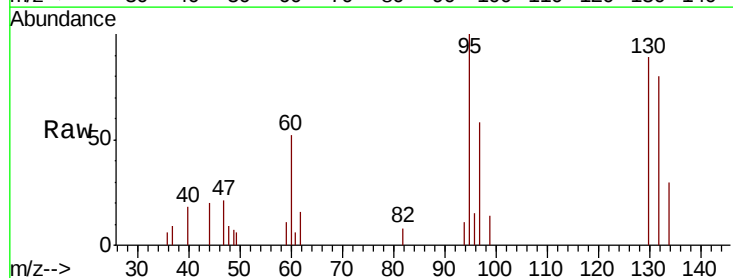
Ion Ratio Lower Upper

95 100

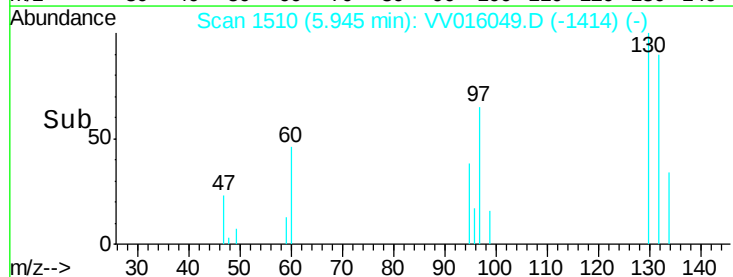
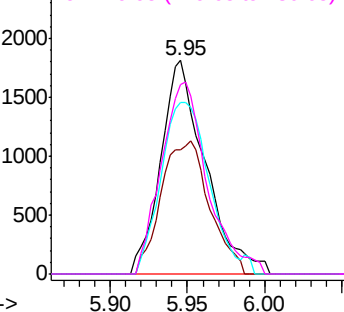
97 57.9 43.3 80.5

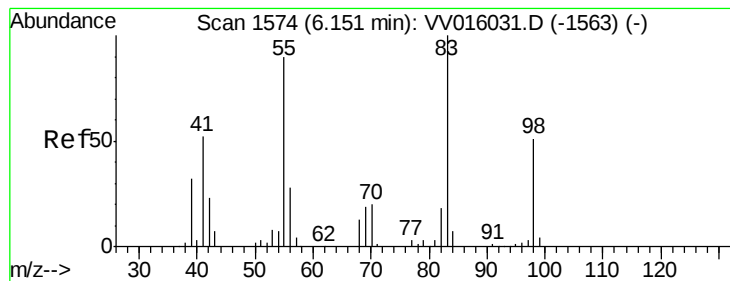
132 80.2 60.3 112.1

130 88.6 66.0 122.6



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

Methvlcvclohexane

Concen: 0.909 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

Instrument :
MSVOA_V
ClientSampleId :

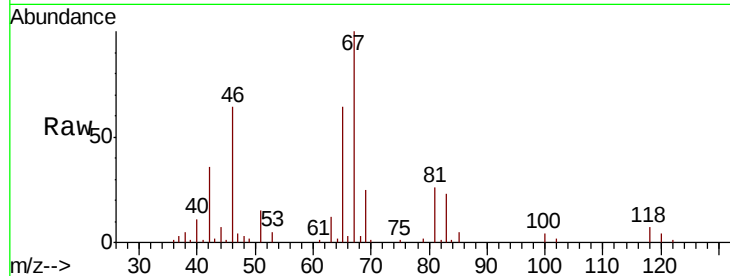
Tot Ion: 83 Resp: 8371

Ion Ratio Lower Upper

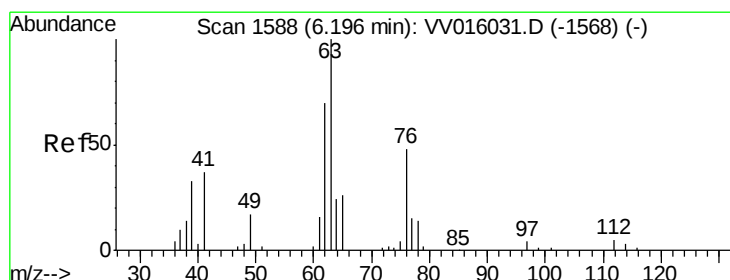
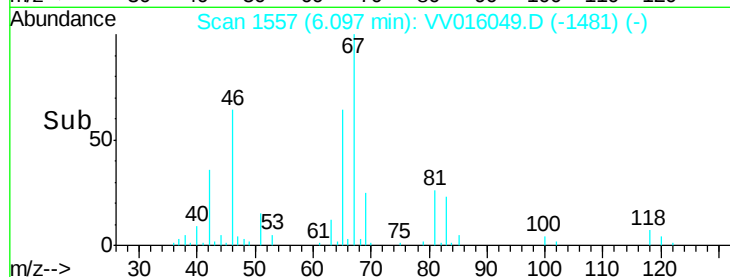
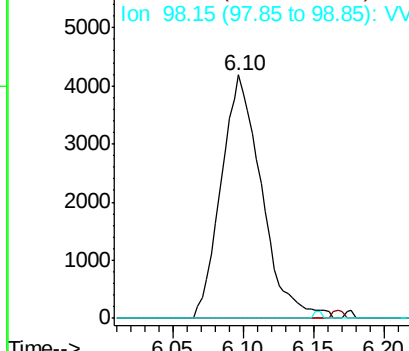
83 100

55 0.8 66.2 99.2#

98 0.5 37.9 56.9#



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: 0.779 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016049.D

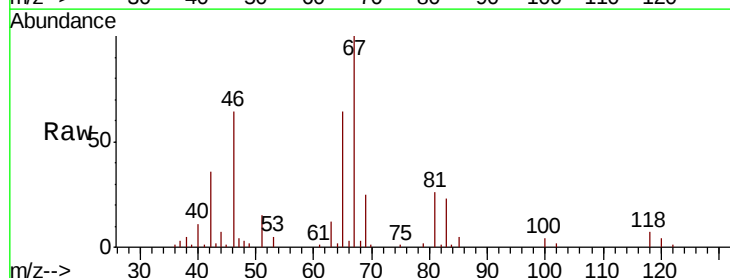
Acq: 13 May 2020 18:49

Tgt Ion: 63 Resp: 4218

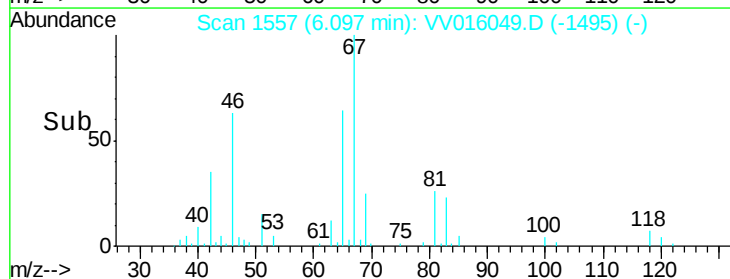
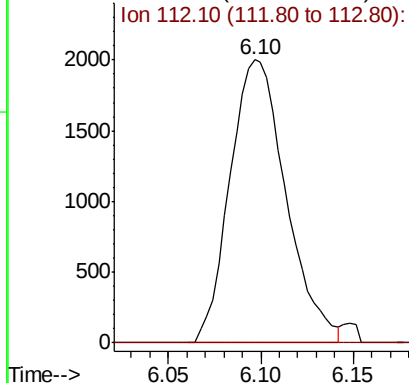
Ion Ratio Lower Upper

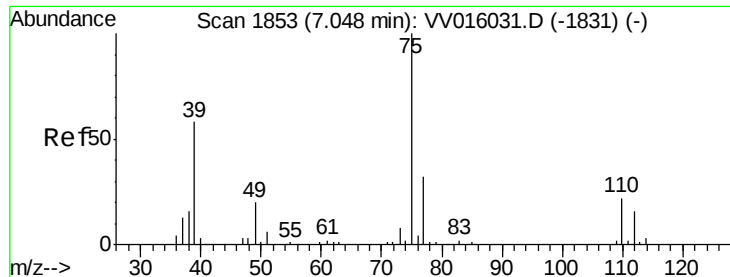
63 100

112 0.0 3.4 5.0#



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



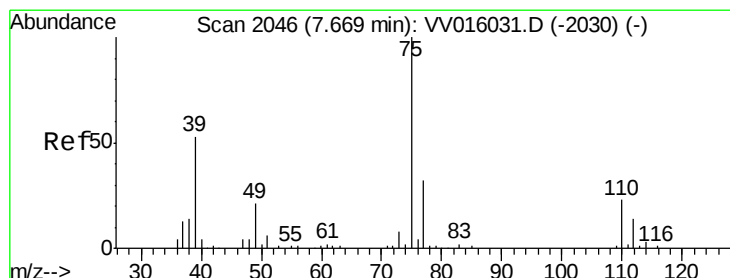
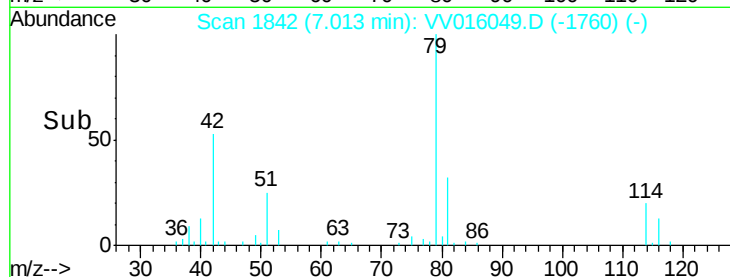
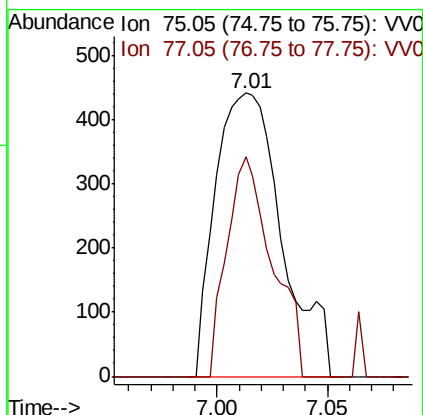
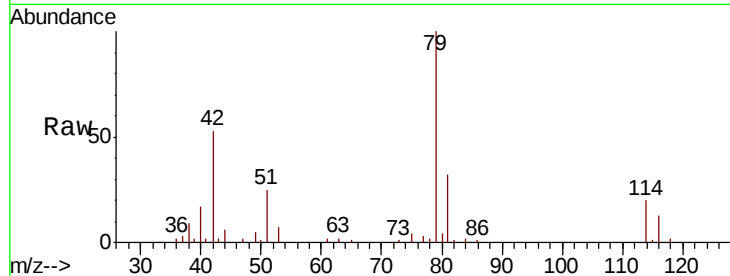


#39

cis-1,3-Dichloropropene
 Concen: 0.121 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016049.D
 Acq: 13 May 2020 18:49

Instrument :
 MSVOA_V
 ClientSampleId :

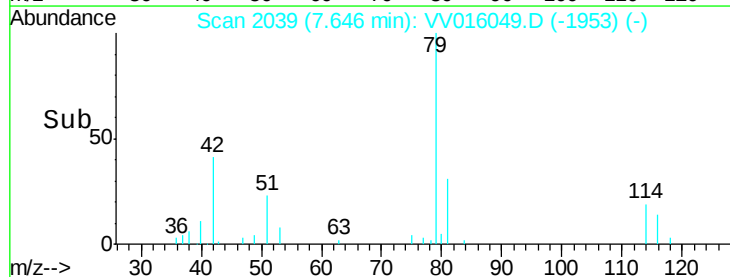
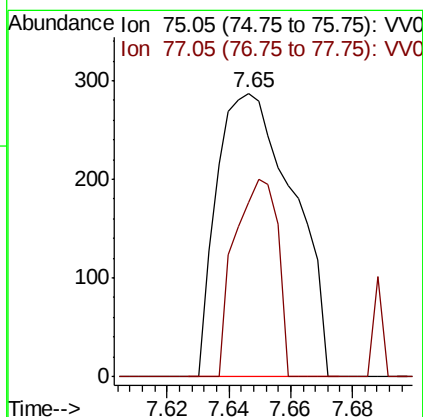
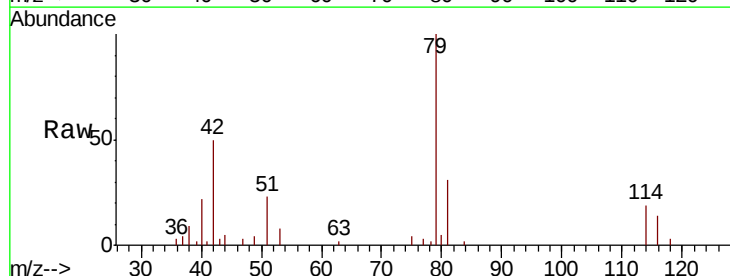
Tot Ion: 75 Resp: 924
 Ion Ratio Lower Upper
 75 100
 77 77.3 21.3 39.5#

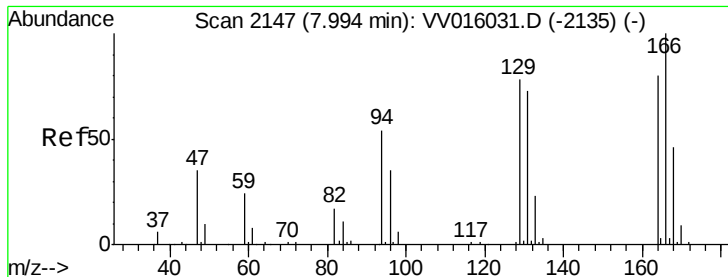


#46

trans-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.02 min
 Lab File: VV016049.D
 Acq: 13 May 2020 18:49

Tgt Ion: 75 Resp: 494
 Ion Ratio Lower Upper
 75 100
 77 61.7 21.3 39.6#





#49

Tetrachloroethene

Concen: 15.097 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 64107

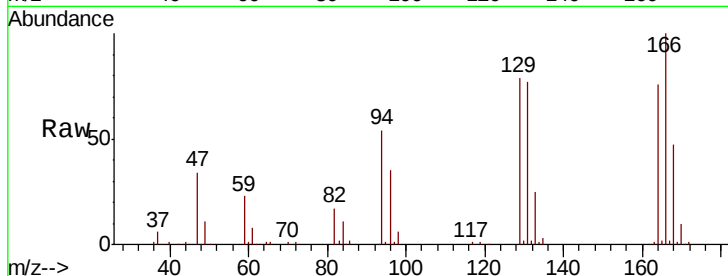
Ion Ratio Lower Upper

164 100

129 104.1 69.7 129.4

131 100.4 66.8 124.2

166 130.9 89.1 165.5

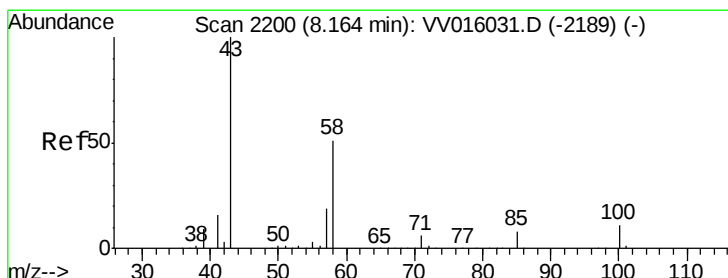
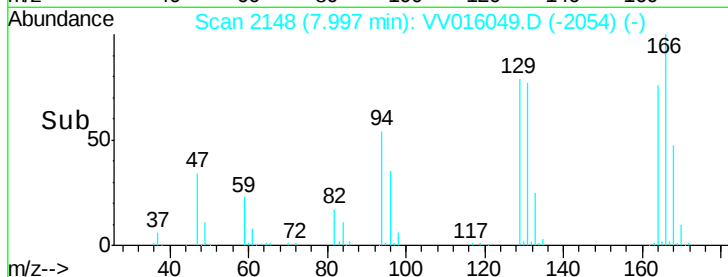
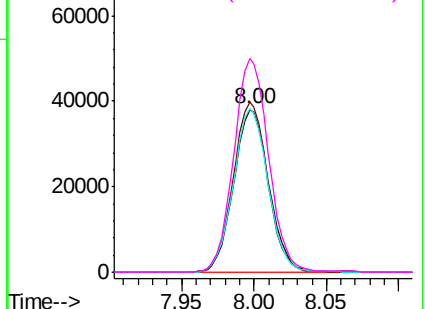


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 4.872 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

Tgt Ion: 43 Resp: 11634

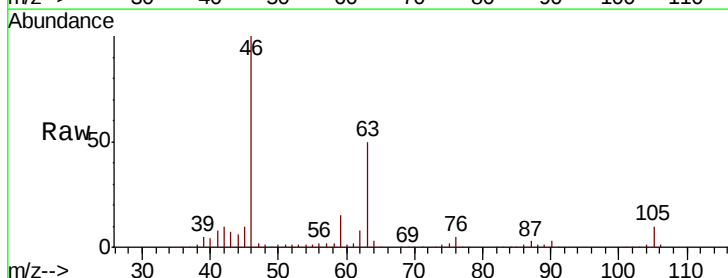
Ion Ratio Lower Upper

43 100

58 51.6 40.8 61.2

57 27.5 14.7 22.1#

100 0.0 9.0 13.6#

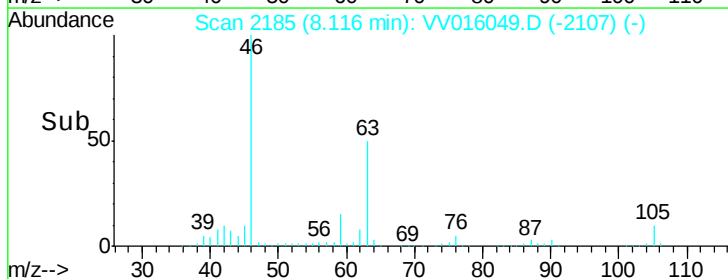
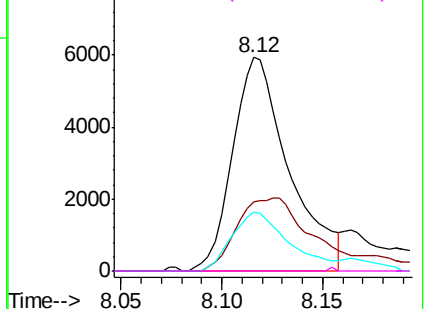


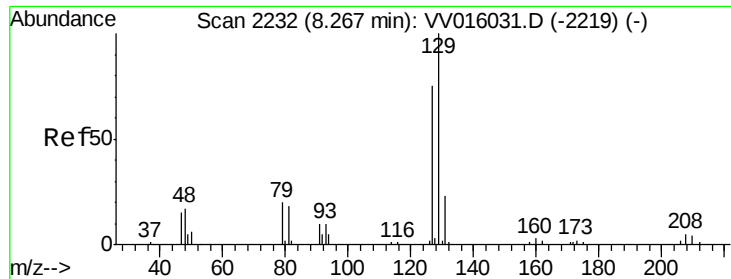
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Dibromochloromethane

Concen: 15.664 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016049.D

Acq: 13 May 2020 18:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 63673

Ion Ratio Lower Upper

129 100

127 0.0 56.0 104.0#

