

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
 Data File : VV016069.D
 Acq On : 14 May 2020 16:11
 Operator : SY/MD
 Sample : L2598-20
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 06:30:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 06:27:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	144117	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	145668	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	67438	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	40372	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.58	69	40461	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	2.12	63	84961	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	3.93	46	118211	53.00	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.00%
24) Chloroform-d	4.38	84	84379	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.06	65	49284	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.08	84	166272	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.10	67	53386	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.34	98	145138	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
45) trans-1,3-Dichloropropene-	7.65	79	17722	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
48) 2-Hexanone-d5	8.12	63	91946	50.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.82%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37176	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	53931	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2831	0.256 ug/L	95
8) Chloroethane	1.57	64	910	0.119 ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	790	0.095 ug/L #	44
12) 1,1-Dichloroethene	2.13	96	38198	4.816 ug/L	99
13) Acetone	2.21	43	5011	3.406 ug/L	66
25) Chloroform	4.41	83	8694	0.468 ug/L	99
33) Benzene	5.13	78	194231	5.300 ug/L	100
34) Trichloroethene	5.94	95	53143	5.080 ug/L	96
35) Methylcyclohexane	6.10	83	13228	0.836 ug/L #	16
37) 1,2-Dichloropropane	6.09	63	6515	0.700 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1498	0.114 ug/L #	72
42) Toluene	7.41	91	210037	5.407 ug/L	100
46) trans-1,3-Dichloropropene	7.65	75	845	0.076 ug/L	97
49) Tetrachloroethene	8.00	164	52230	7.156 ug/L	99
50) 2-Hexanone	8.11	43	14573	3.551 ug/L #	79
51) Dibromochloromethane	8.00	129	50003	7.157 ug/L #	9
53) Chlorobenzene	8.90	112	137229	5.493 ug/L	97

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QLast Update : Fri May 15 06:27:04 2020
Response via : Initial Calibration

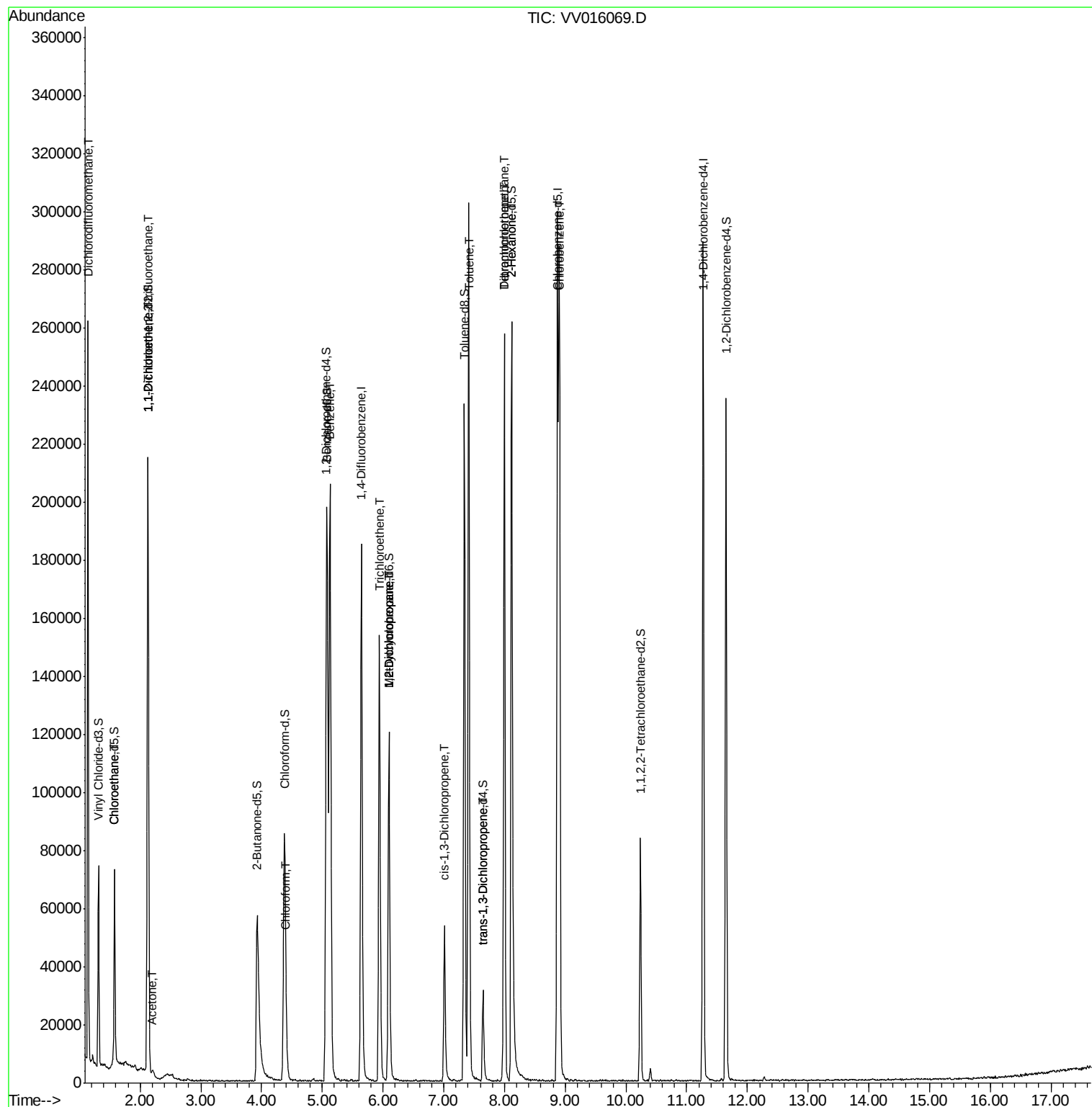
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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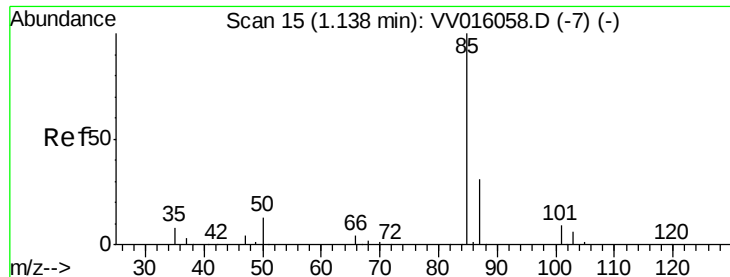
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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QLast Update : Fri May 15 06:27:04 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.256 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016069.D

Acq: 14 May 2020 16:11

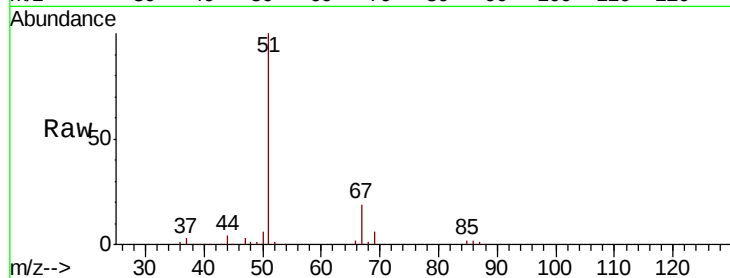
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 2831

Ion Ratio Lower Upper

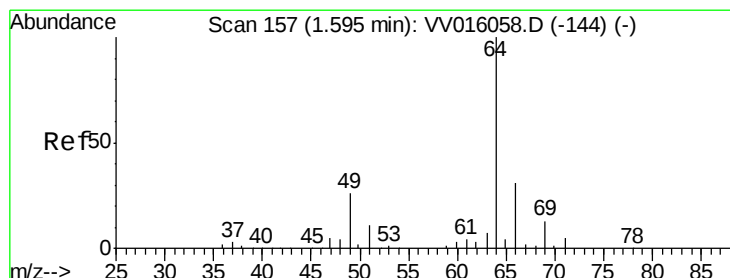
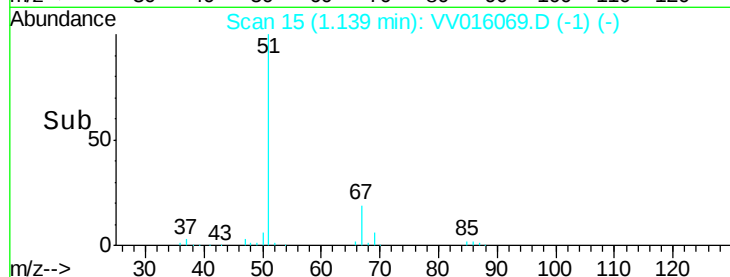
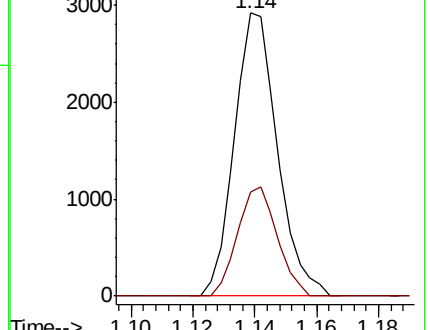
85 100

87 35.6 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV016069.D (-85) (-)

Ion 87.00 (86.70 to 87.70): VV016069.D (-87) (-)



#8

Chloroethane

Concen: 0.119 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.02 min

Lab File: VV016069.D

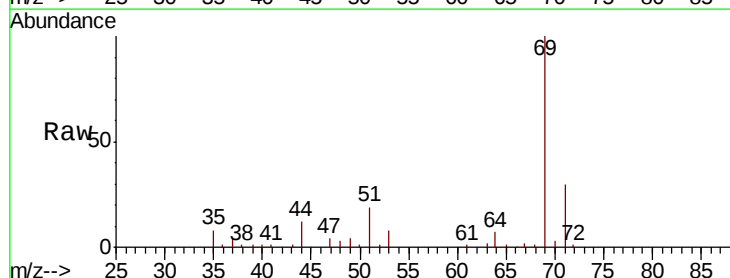
Acq: 14 May 2020 16:11

Tgt Ion: 64 Resp: 910

Ion Ratio Lower Upper

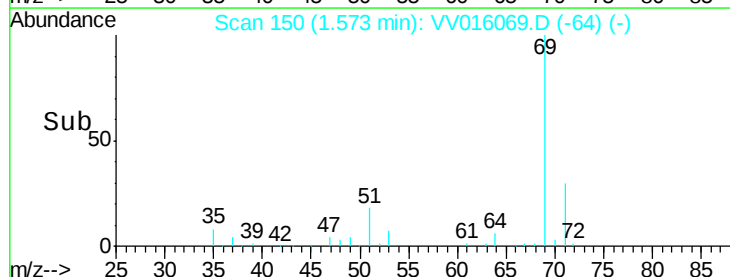
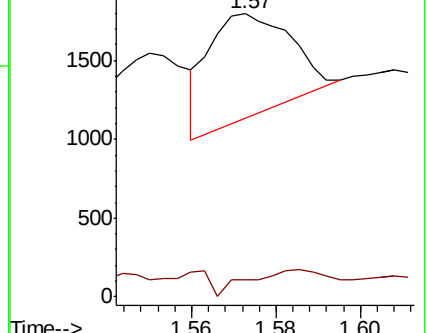
64 100

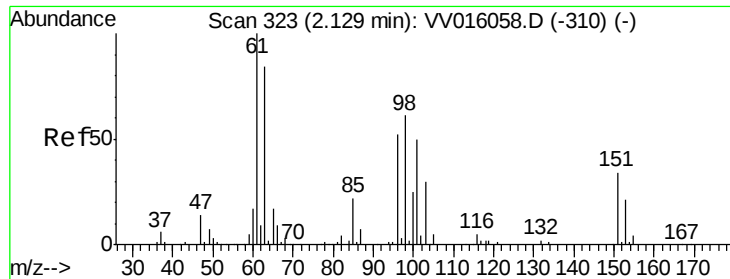
66 6.0 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV016069.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV016069.D (-66) (-)





#10

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

Concen: 0.095 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016069.D

Acq: 14 May 2020 16:11

Instrument :

MSVOA_V

ClientSampleId :

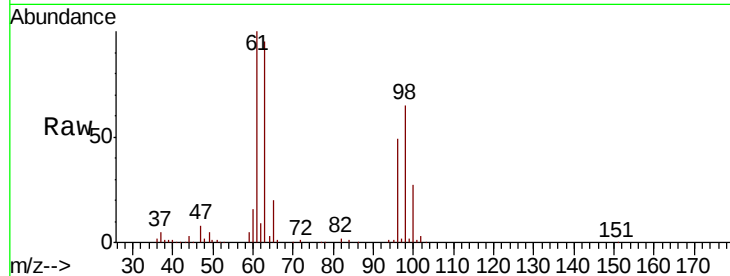
Tot Ion:101 Resp: 790

Ion Ratio Lower Upper

101 100

85 5.2 35.7 53.5#

151 27.6 58.0 87.0#



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

2.13

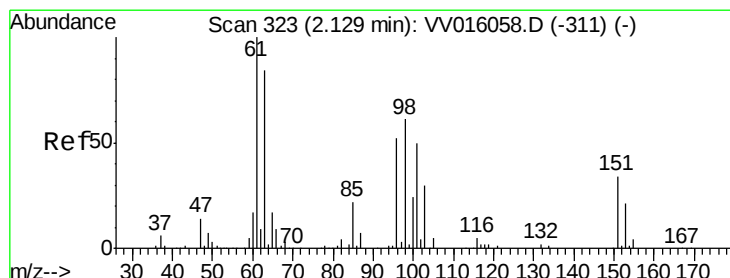
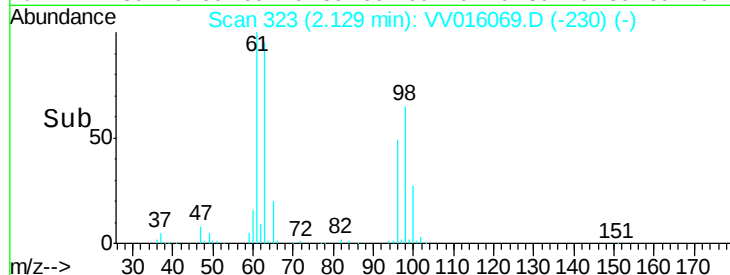
400

200

0

2.08 2.10 2.12 2.14 2.16

Time-->



#12

1,1-Dichloroethene

Concen: 4.816 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016069.D

Acq: 14 May 2020 16:11

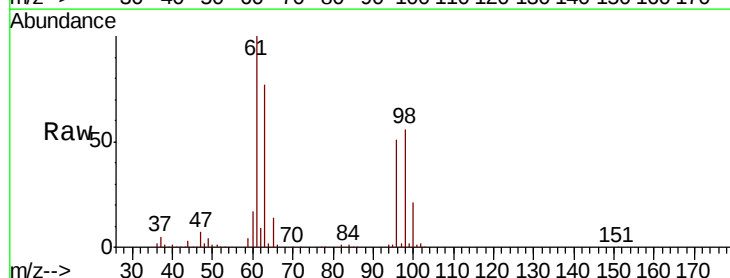
Tgt Ion: 96 Resp: 38198

Ion Ratio Lower Upper

96 100

61 197.1 139.9 259.7

63 151.2 106.4 197.6



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

2.13

60000

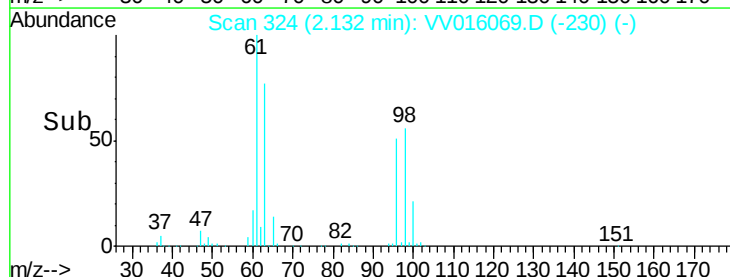
40000

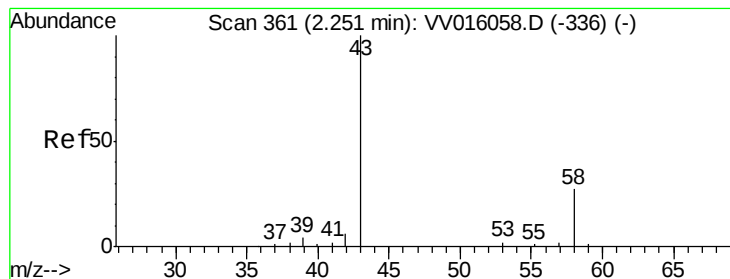
20000

0

2.05 2.10 2.15 2.20

Time-->





#13

Acetone

Concen: 3.406 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.04 min

Lab File: VV016069.D

Acq: 14 May 2020 16:11

Instrument :

MSVOA_V

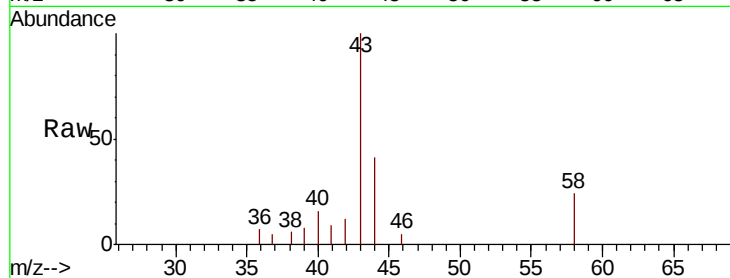
ClientSampleId :

Tot Ion: 43 Resp: 5011

Ion Ratio Lower Upper

43 100

58 29.8 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016058.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV016058.D (-336) (-)

2000

1500

1000

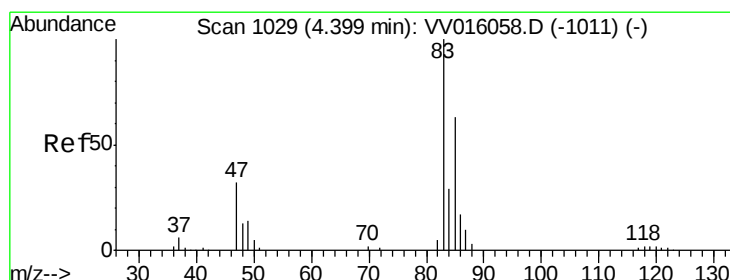
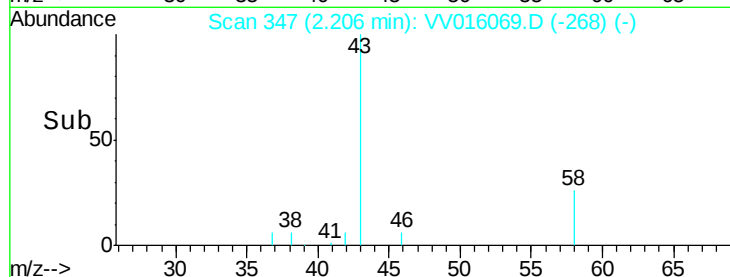
500

0

Time-->

2.15 2.20 2.25 2.30

2.21



#25

Chloroform

Concen: 0.468 ug/L

RT: 4.41 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VV016069.D

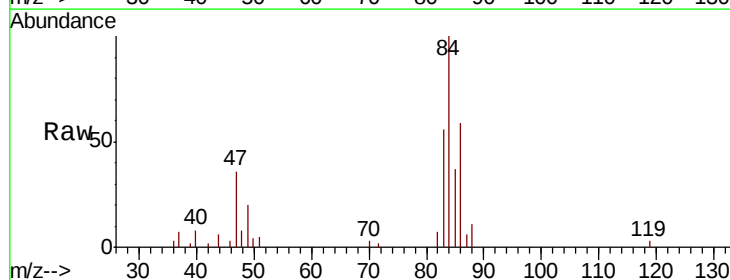
Acq: 14 May 2020 16:11

Tgt Ion: 83 Resp: 8694

Ion Ratio Lower Upper

83 100

85 66.5 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV016058.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV016058.D (-1011) (-)

3000

2000

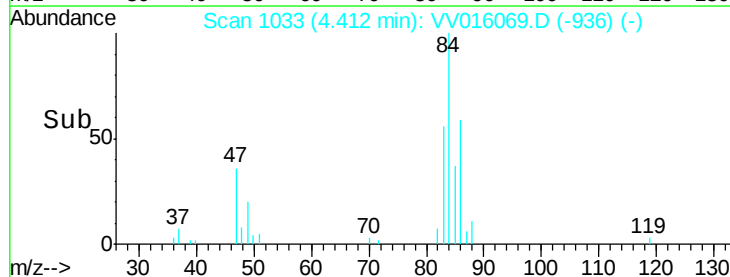
1000

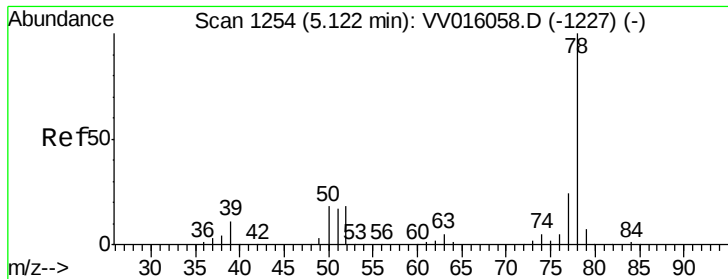
0

Time-->

4.30 4.35 4.40 4.45 4.50

4.41





#33

Benzene

Concen: 5.300 ug/L

RT: 5.13 min Scan# 1255

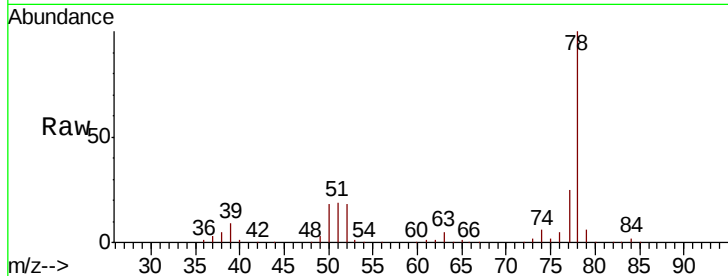
Delta R.T. 0.00 min

Lab File: VV016069.D

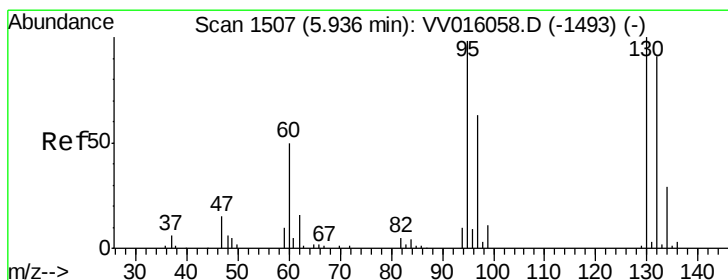
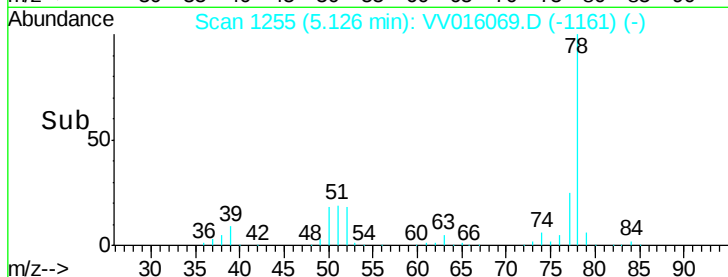
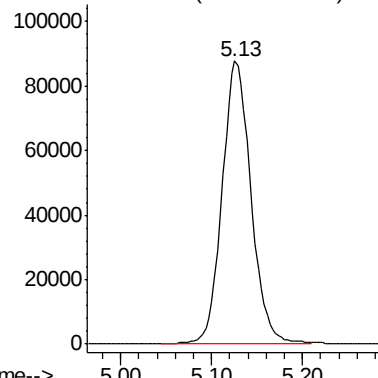
Acq: 14 May 2020 16:11

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 194231



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 5.080 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016069.D

Acq: 14 May 2020 16:11

Tgt Ion: 95 Resp: 53143

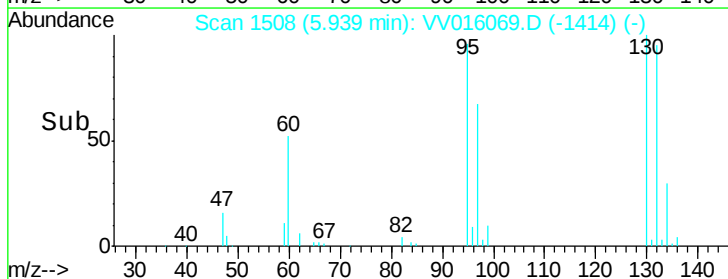
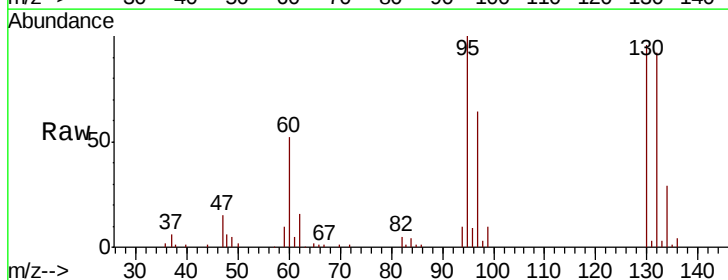
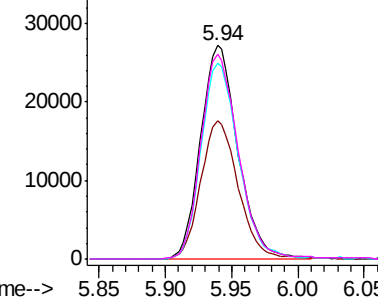
Ion	Ratio	Lower	Upper
95	100		
97	64.5	43.3	80.5
132	91.8	60.3	112.1
130	96.2	66.0	122.6

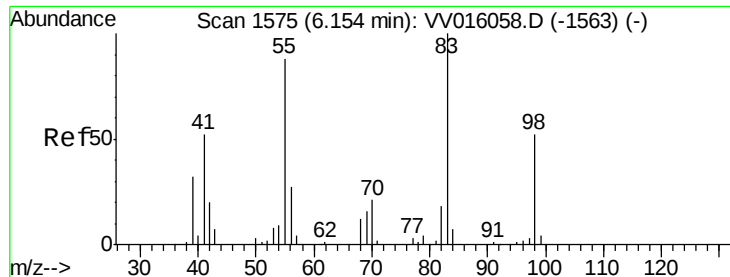
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

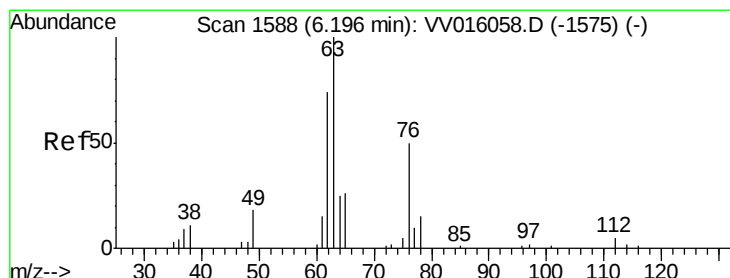
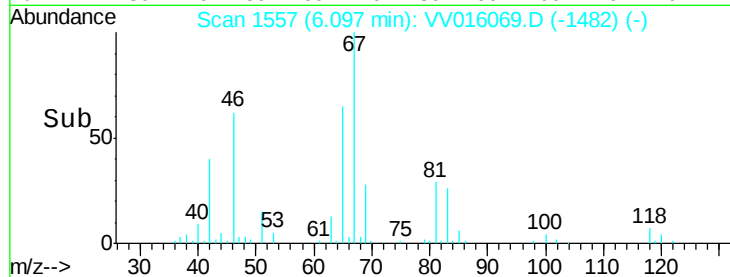
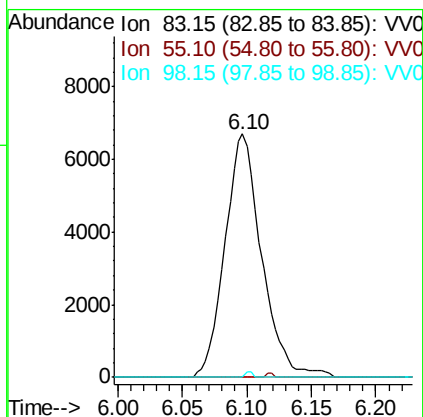
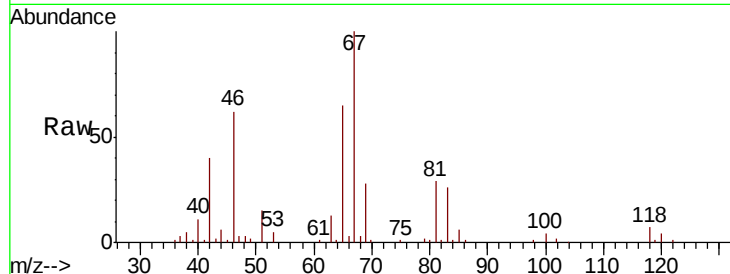




#35
Methvlcvclohexane
Concen: 0.836 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016069.D
Acq: 14 May 2020 16:11

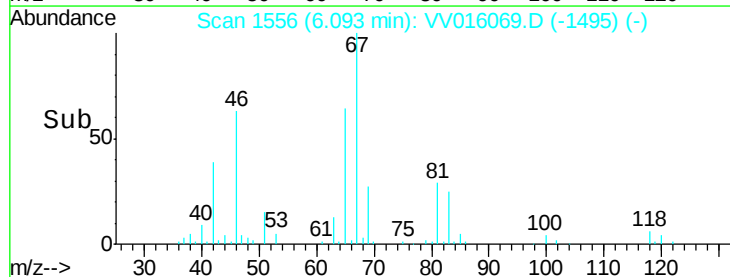
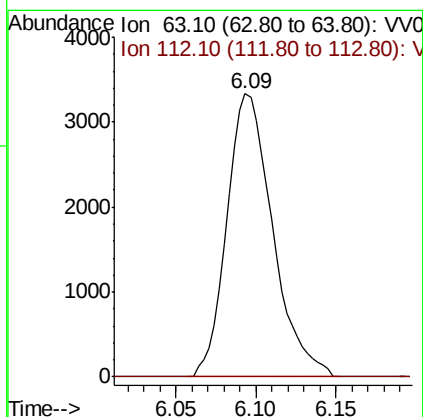
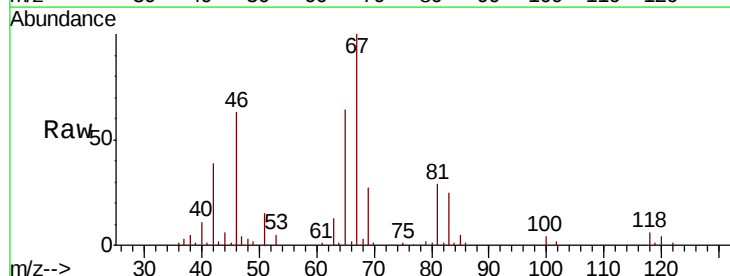
Instrument :
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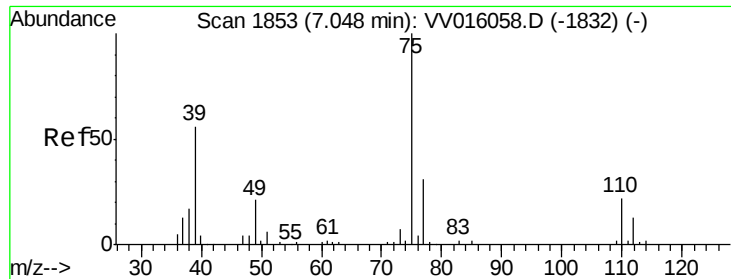
Tot Ion: 83 Resp: 13228
Ion Ratio Lower Upper
83 100
55 0.3 66.2 99.2#
98 0.4 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.700 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV016069.D
Acq: 14 May 2020 16:11

Tgt Ion: 63 Resp: 6515
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

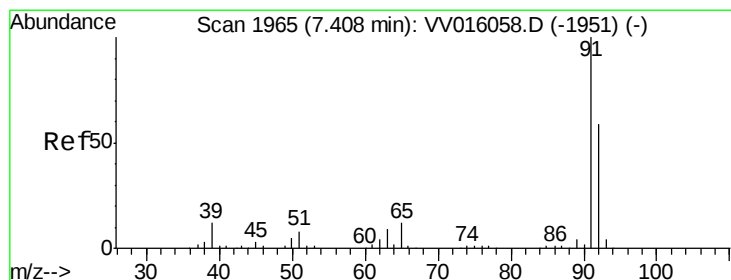
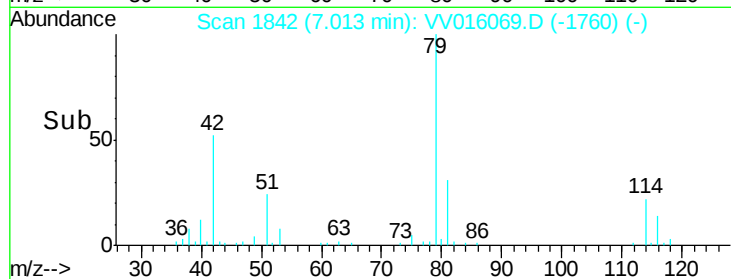
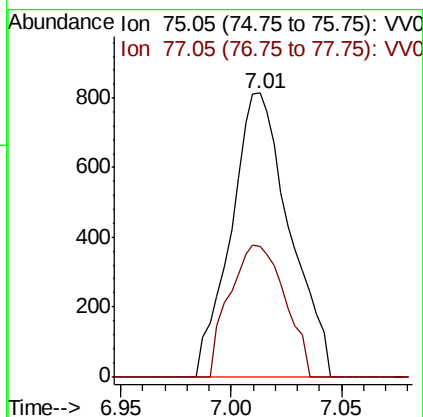
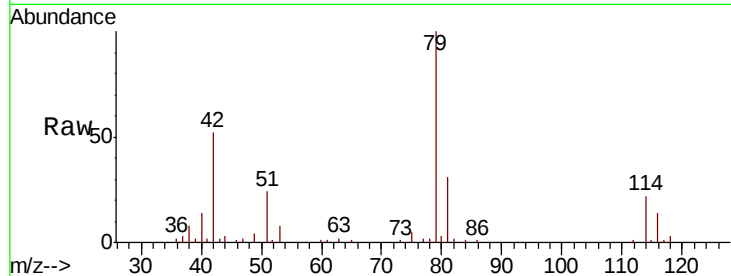




#39
 cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016069.D
 Acq: 14 May 2020 16:11

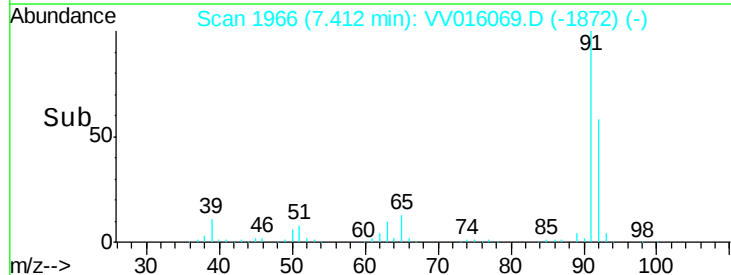
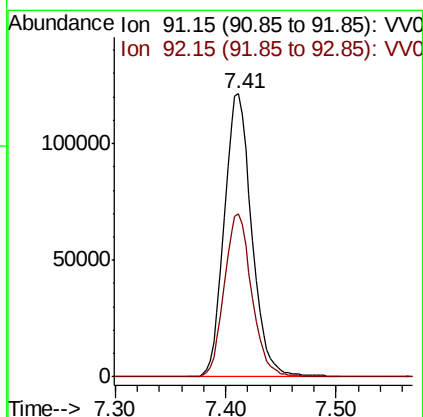
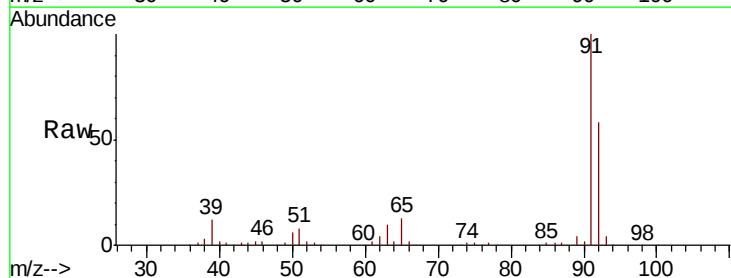
Instrument :
 MSVOA_V
 ClientSampled :

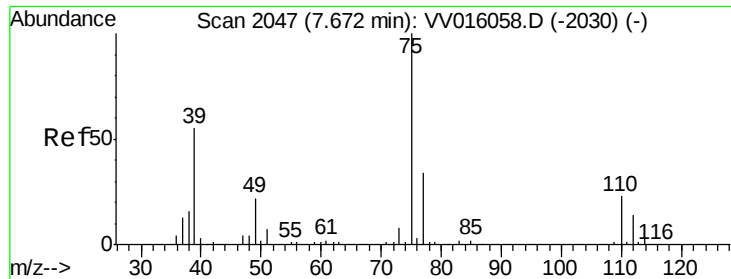
Tot Ion: 75 Resp: 1498
 Ion Ratio Lower Upper
 75 100
 77 45.7 21.3 39.5#



#42
 Toluene
 Concen: 5.407 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV016069.D
 Acq: 14 May 2020 16:11

Tgt Ion: 91 Resp: 210037
 Ion Ratio Lower Upper
 91 100
 92 57.6 40.1 74.5





#46

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV016069.D

Acq: 14 May 2020 16:11

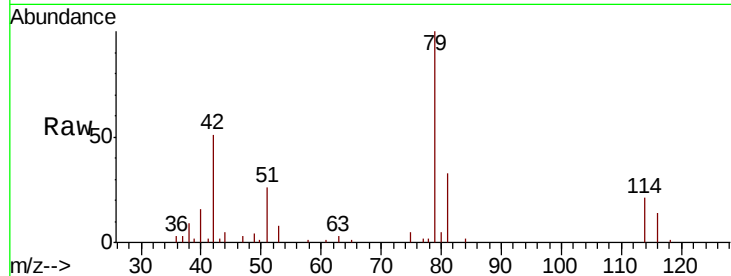
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 845

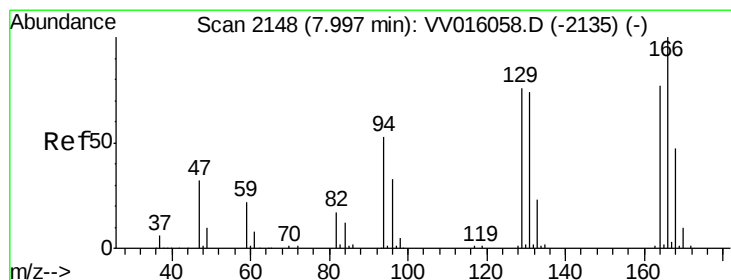
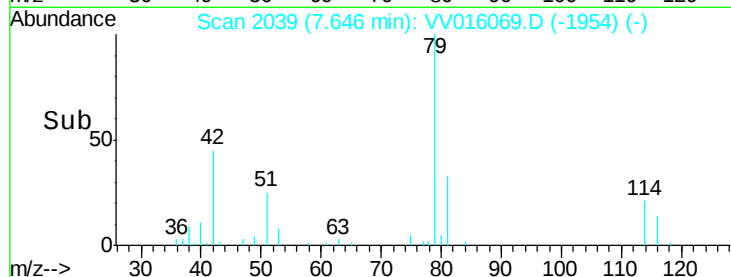
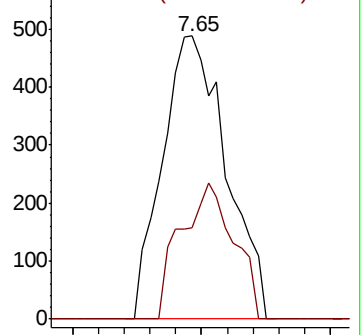
Ion Ratio Lower Upper

75 100

77 32.2 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV016058.D (-2030) (-)



#49

Tetrachloroethene

Concen: 7.156 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016069.D

Acq: 14 May 2020 16:11

Tgt Ion: 164 Resp: 52230

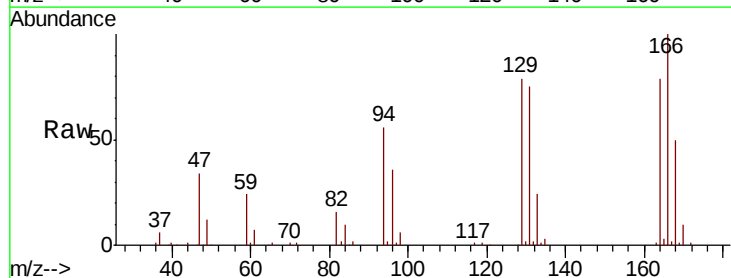
Ion Ratio Lower Upper

164 100

129 99.6 69.7 129.4

131 94.9 66.8 124.2

166 126.3 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016058.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV016058.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV016058.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV016058.D (-2135) (-)

Abundance Ion 163.90 (163.60 to 164.60): VV016069.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV016069.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV016069.D (-2055) (-)

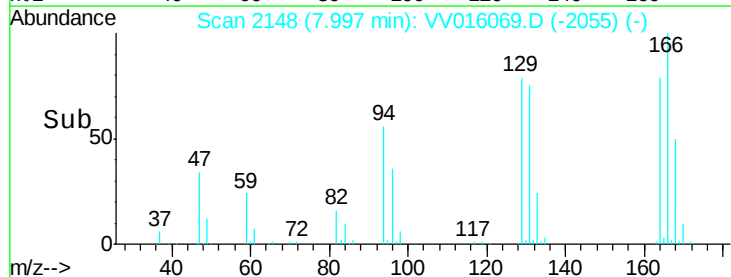
Ion 165.90 (165.60 to 166.60): VV016069.D (-2055) (-)

Abundance Ion 163.90 (163.60 to 164.60): VV016069.D (-2055) (-)

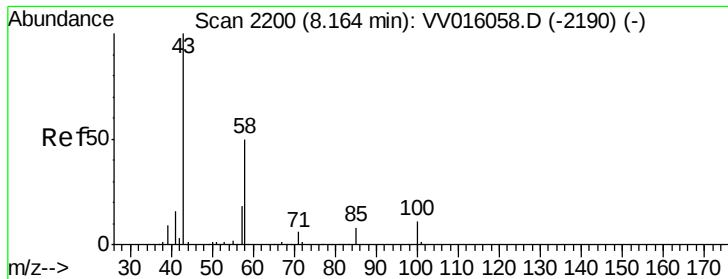
Ion 128.95 (128.65 to 129.65): VV016069.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV016069.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV016069.D (-2055) (-)



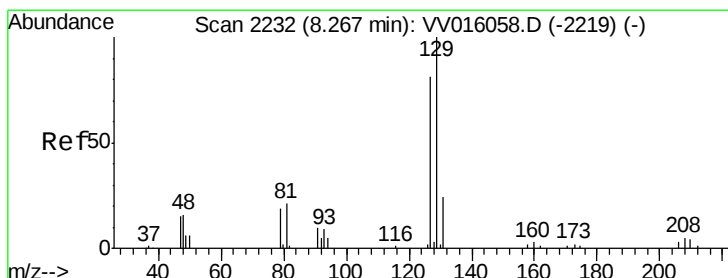
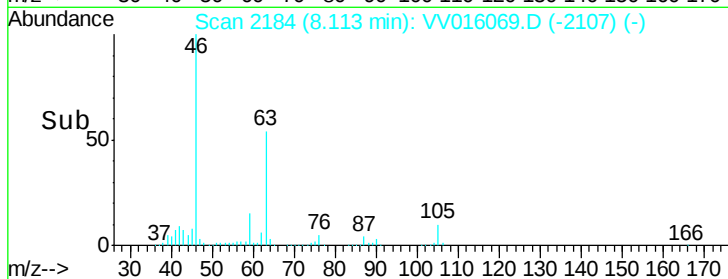
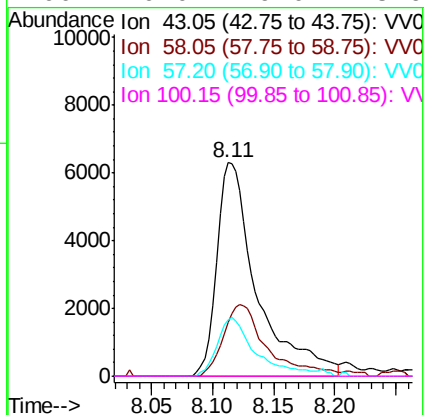
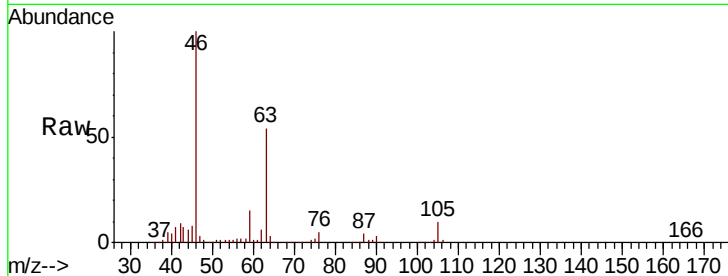
Time-->



#50
2-Hexanone
Concen: 3.551 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV016069.D
Acq: 14 May 2020 16:11

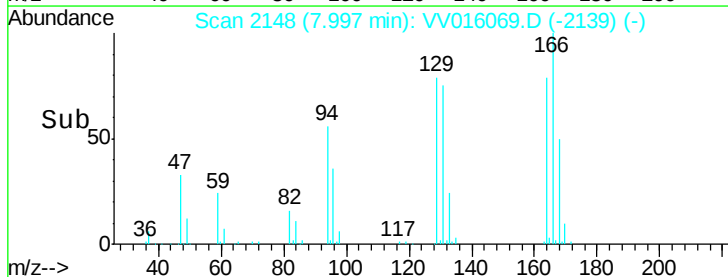
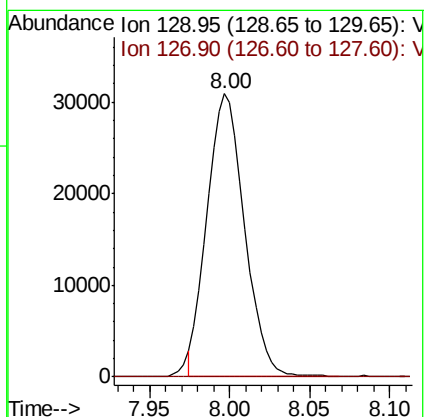
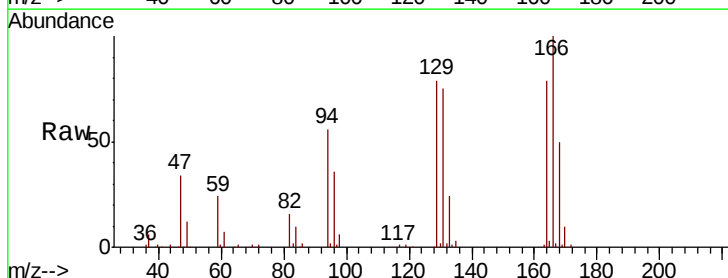
Instrument :
MSVOA_V
ClientSampleId :

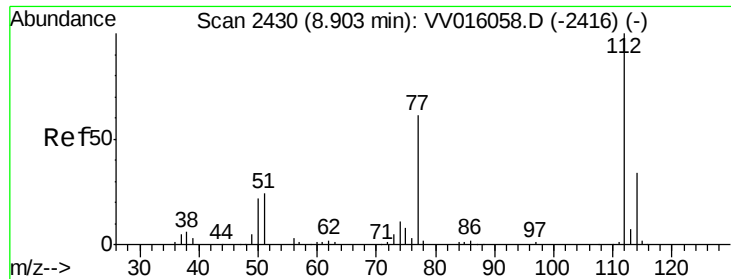
Tot Ion: 43 Resp: 14573
Ion Ratio Lower Upper
43 100
58 36.1 40.8 61.2#
57 25.9 14.7 22.1#
100 0.0 9.0 13.6#



#51
Dibromochloromethane
Concen: 7.157 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016069.D
Acq: 14 May 2020 16:11

Tgt Ion: 129 Resp: 50003
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#





#53

Chlorobenzene

Concen: 5.493 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016069.D

Acq: 14 May 2020 16:11

Instrument :

MSVOA_V

ClientSampleId :

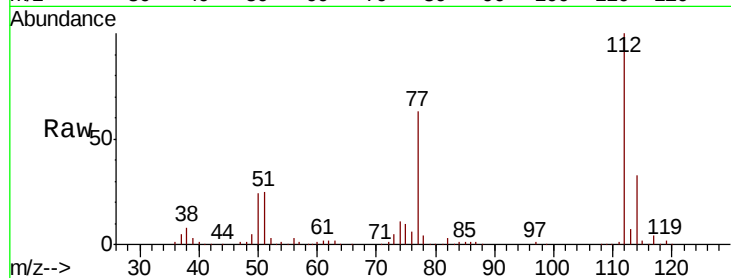
Tot Ion:112 Resp: 137229

Ion Ratio Lower Upper

112 100

114 32.7 21.6 40.0

77 62.8 48.6 73.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

