

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016050.D
 Acq On : 13 May 2020 19:12
 Operator : SY/MD
 Sample : L2598-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:32:04 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	153558	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	151615	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69421	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49493	5.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.80%
7) Chloroethane-d5	1.58	69	45790	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.00%
11) 1,1-Dichloroethene-d2	2.13	63	72716	4.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.20%
20) 2-Butanone-d5	3.94	46	118193	49.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.48%
24) Chloroform-d	4.38	84	95411	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.06	65	52689	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.08	84	187819	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.10	67	57699	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.34	98	167423	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
45) trans-1,3-Dichloropropene-	7.65	79	17883	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
48) 2-Hexanone-d5	8.12	63	87924	46.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.62%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39944	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	59782	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

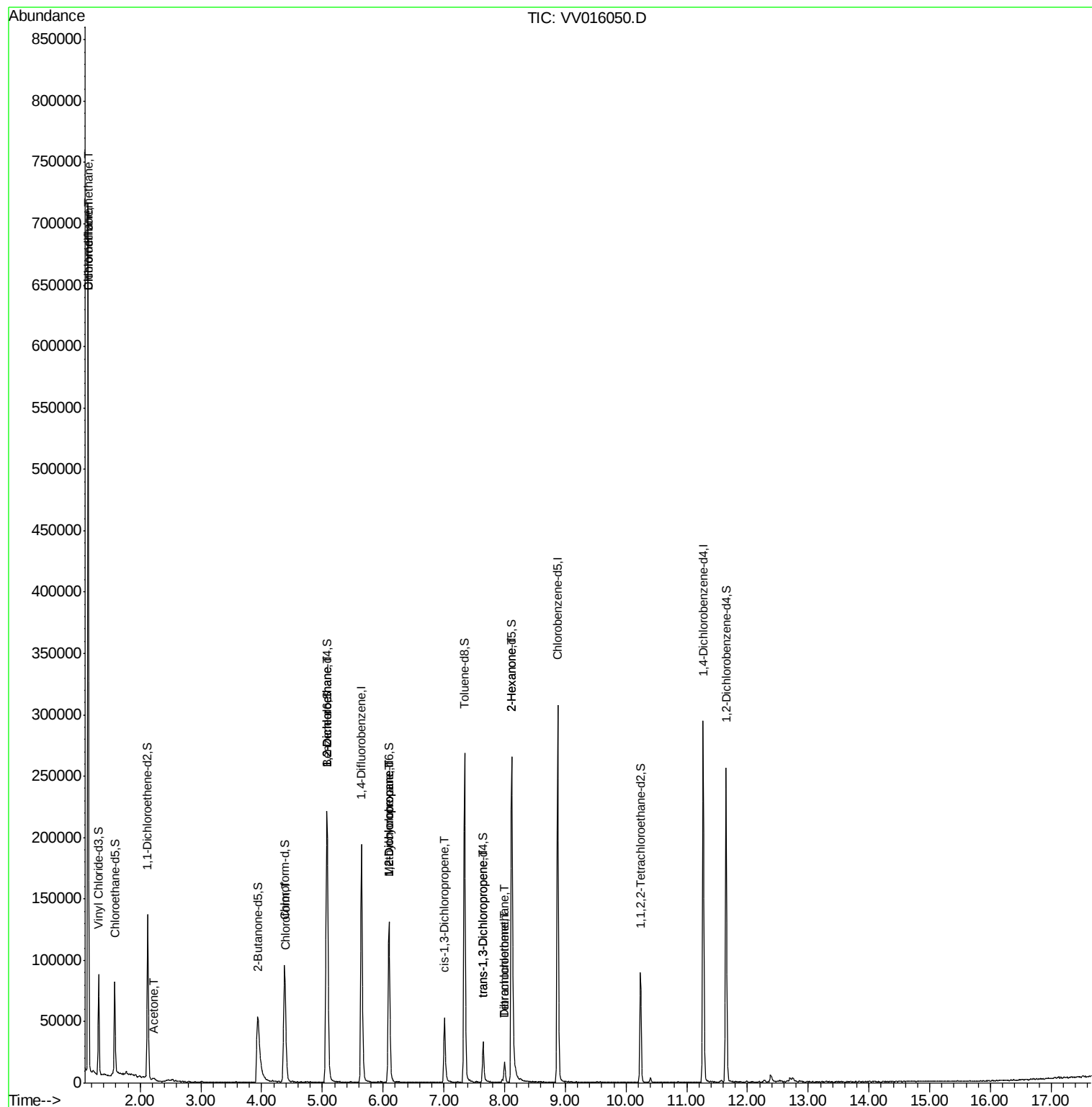
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.15	85	7765	0.660	ug/L	94
3) Chloromethane	1.14	50	26191	2.199	ug/L #	75
13) Acetone	2.22	43	4667	2.977	ug/L	80
25) Chloroform	4.40	83	2785	0.141	ug/L	95
27) 1,2-Dichloroethane	5.07	62	1406	0.116	ug/L #	76
35) Methylcyclohexane	6.10	83	14259	0.866	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	7305	0.754	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1555	0.114	ug/L #	41
46) trans-1,3-Dichloropropene	7.65	75	838	0.072	ug/L #	70
49) Tetrachloroethene	8.00	164	3480	0.458	ug/L	96
50) 2-Hexanone	8.12	43	13942	3.264	ug/L #	83
51) Dibromochloromethane	8.00	129	3291	0.453	ug/L #	9

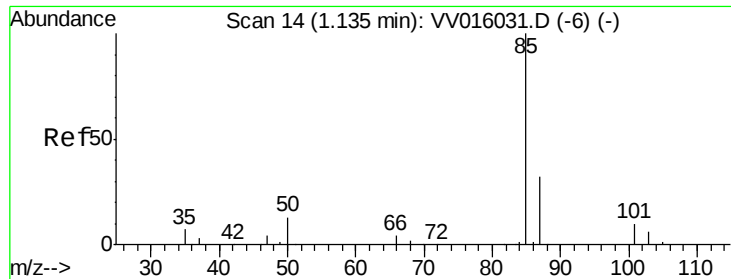
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.660 ug/L

RT: 1.15 min Scan# 17

Delta R.T. 0.01 min

Lab File: VV016050.D

Acq: 13 May 2020 19:12

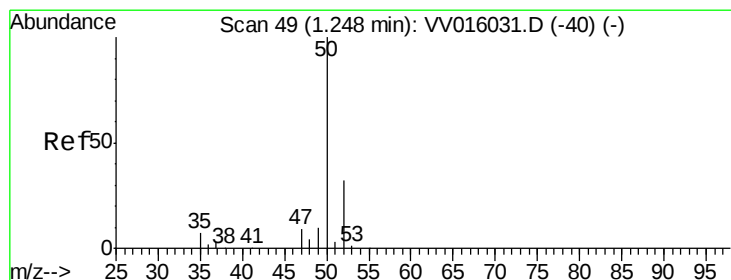
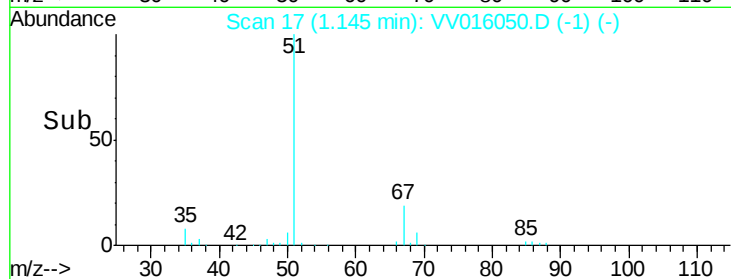
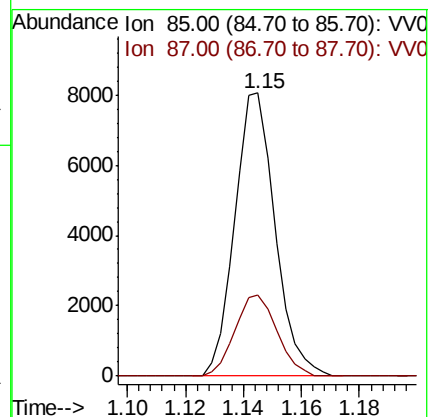
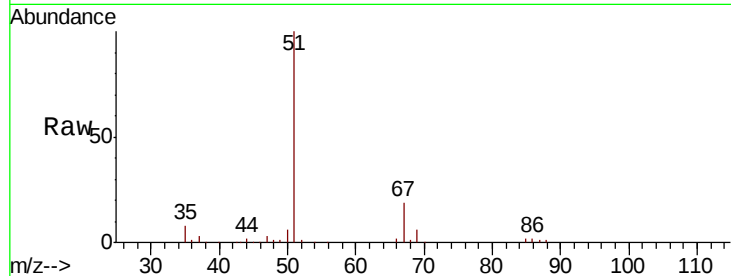
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 7765

Ion Ratio Lower Upper

85 100

87 29.8 26.4 39.6



#3

Chloromethane

Concen: 2.199 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.11 min

Lab File: VV016050.D

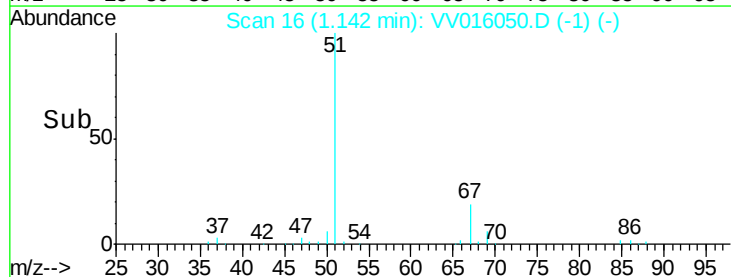
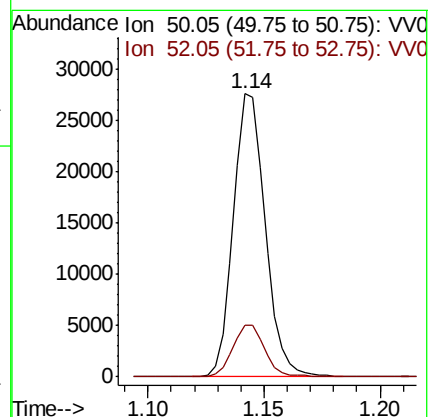
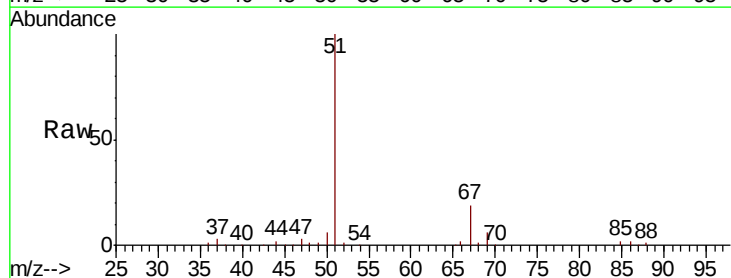
Acq: 13 May 2020 19:12

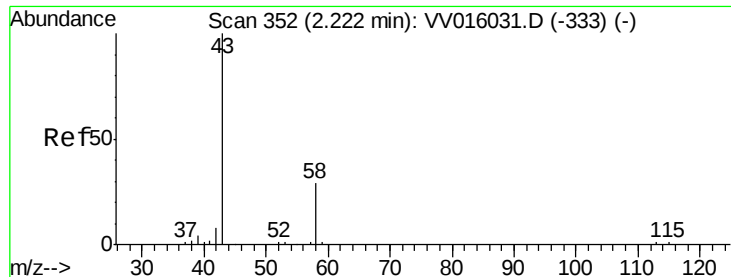
Tgt Ion: 50 Resp: 26191

Ion Ratio Lower Upper

50 100

52 18.3 22.8 42.4#





#13

Acetone

Concen: 2.977 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV016050.D

Acq: 13 May 2020 19:12

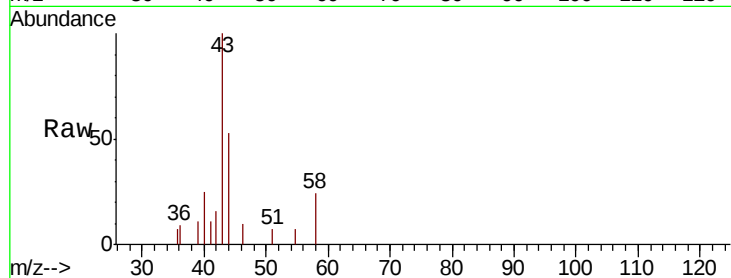
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4667

Ion Ratio Lower Upper

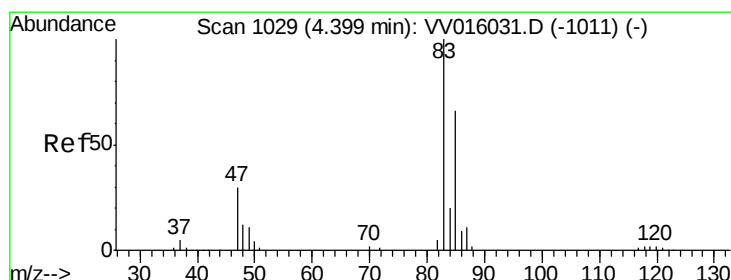
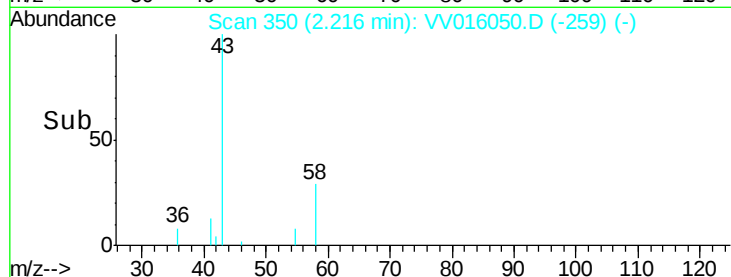
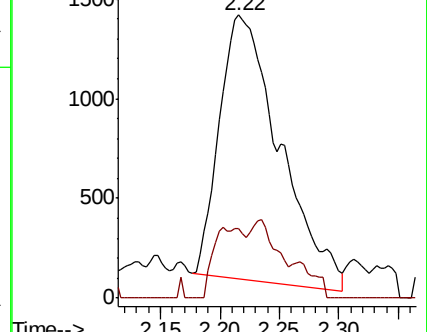
43 100

58 6.8 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016031.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV016031.D (-333) (-)



#25

Chloroform

Concen: 0.141 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016050.D

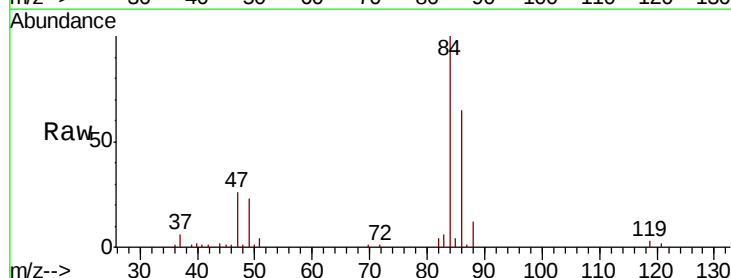
Acq: 13 May 2020 19:12

Tgt Ion: 83 Resp: 2785

Ion Ratio Lower Upper

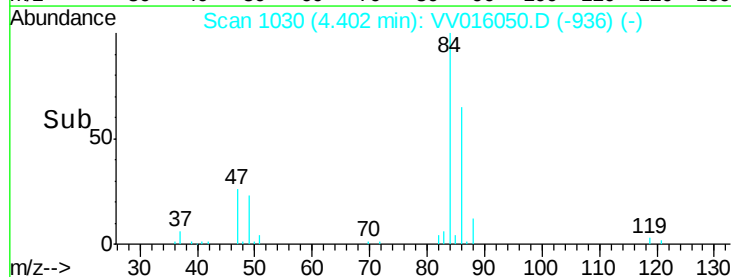
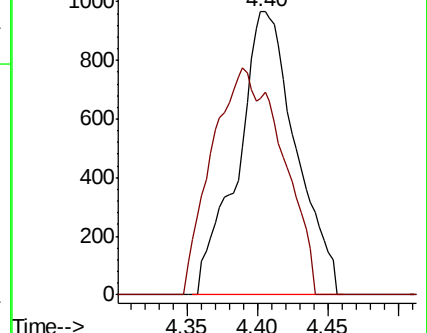
83 100

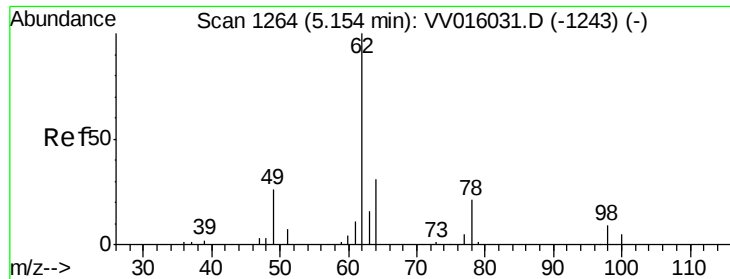
85 69.6 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV016031.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV016031.D (-1011) (-)





#27

1,2-Dichloroethane

Concen: 0.116 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: VV016050.D

Acq: 13 May 2020 19:12

Instrument :

MSVOA_V

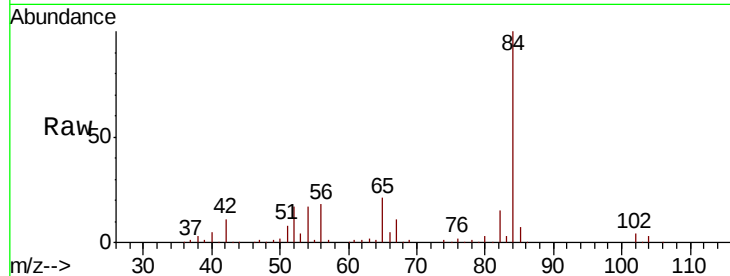
ClientSampleId :

Tot Ion: 62 Resp: 1406

Ion Ratio Lower Upper

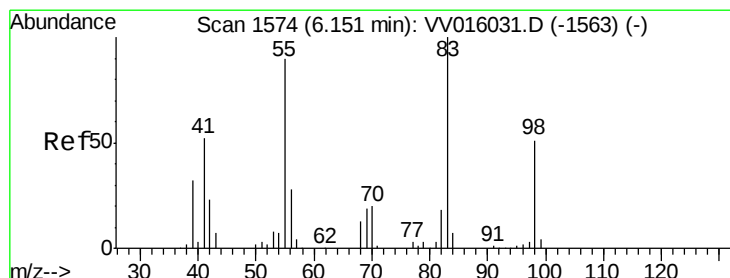
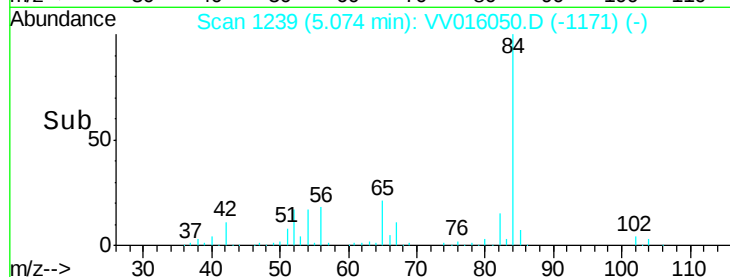
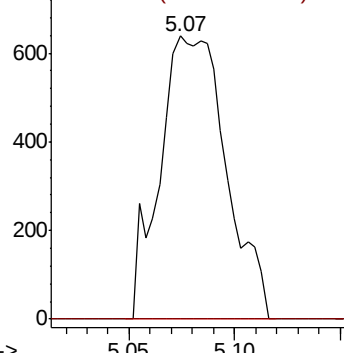
62 100

98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#35

Methylcyclohexane

Concen: 0.866 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016050.D

Acq: 13 May 2020 19:12

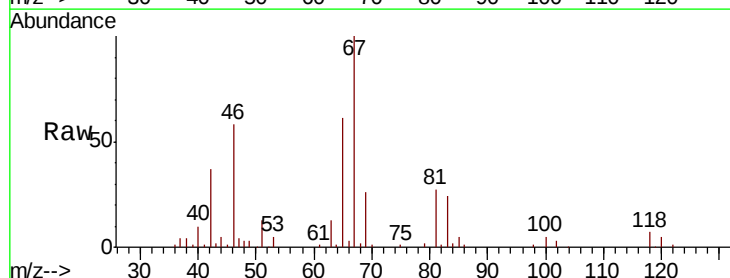
Tgt Ion: 83 Resp: 14259

Ion Ratio Lower Upper

83 100

55 0.1 66.2 99.2#

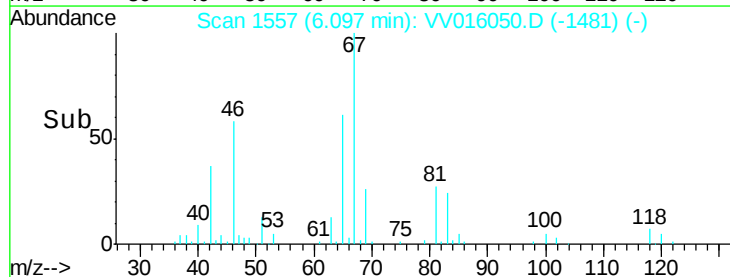
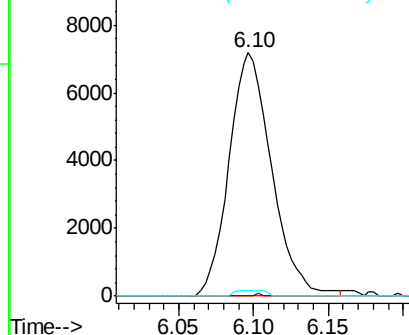
98 1.6 37.9 56.9#

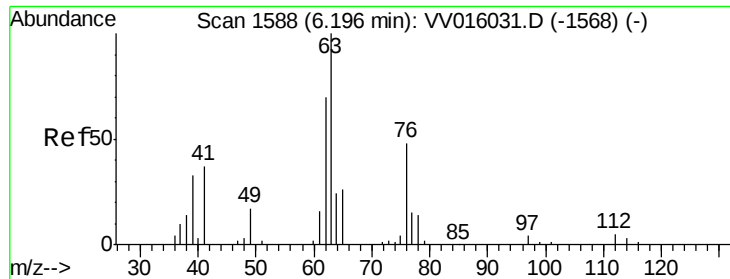


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.754 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016050.D

Acq: 13 May 2020 19:12

Instrument :

MSVOA_V

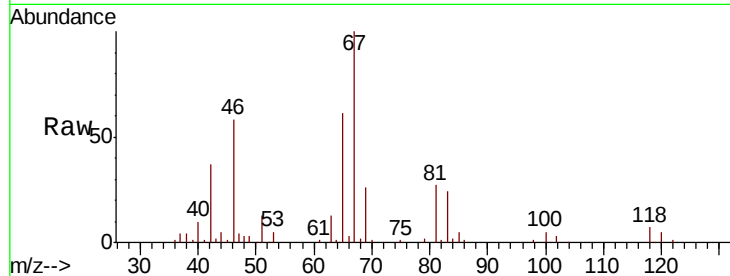
ClientSampleId :

Tot Ion: 63 Resp: 7305

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) (-)

6.10

4000

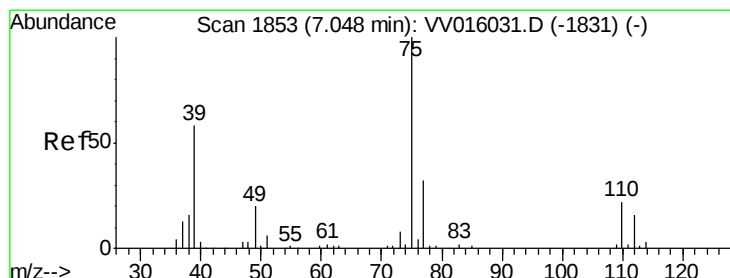
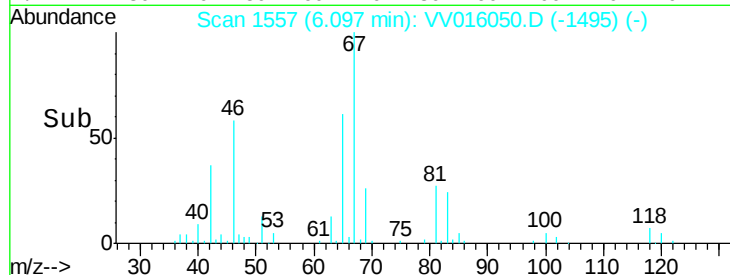
3000

2000

1000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV016050.D

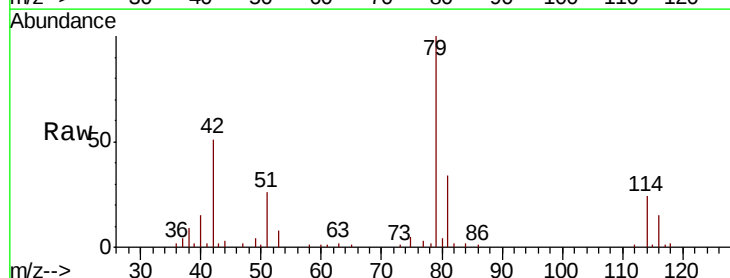
Acq: 13 May 2020 19:12

Tgt Ion: 75 Resp: 1555

Ion Ratio Lower Upper

75 100

77 62.6 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) (-)

7.01

1000

800

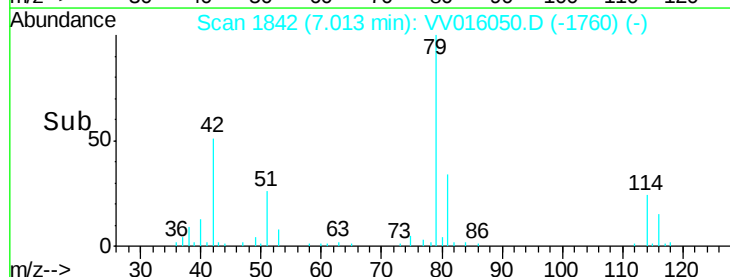
600

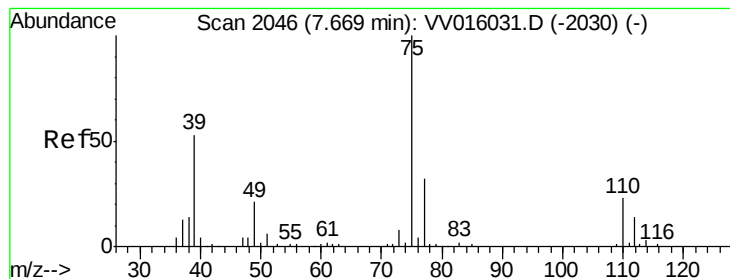
400

200

0

Time-->





#46

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.02 min

Lab File: VV016050.D

Acq: 13 May 2020 19:12

Instrument :

MSVOA_V

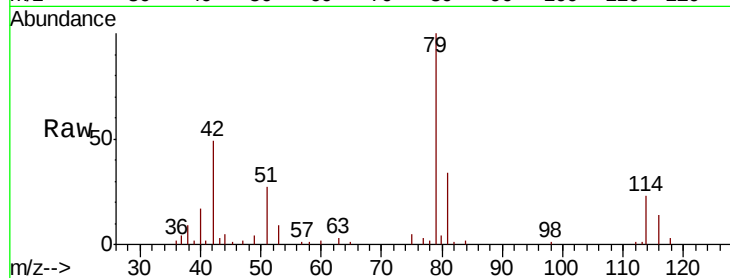
ClientSampleId :

Tot Ion: 75 Resp: 838

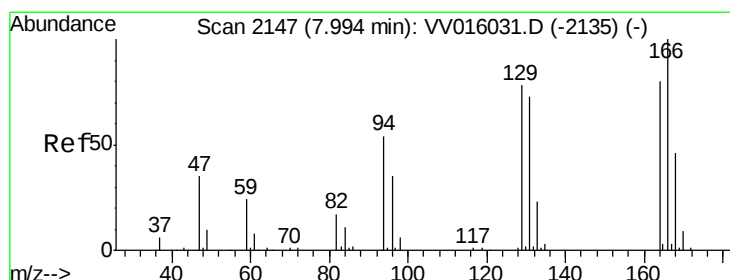
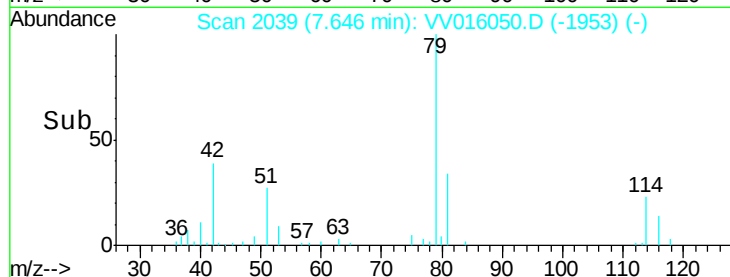
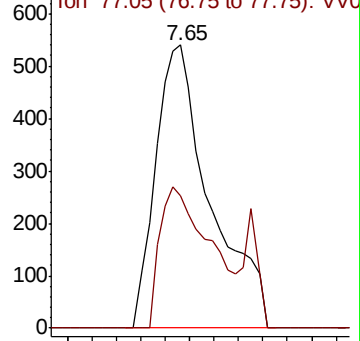
Ion Ratio Lower Upper

75 100

77 46.7 21.3 39.6#



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



#49

Tetrachloroethene

Concen: 0.458 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV016050.D

Acq: 13 May 2020 19:12

Tgt Ion: 164 Resp: 3480

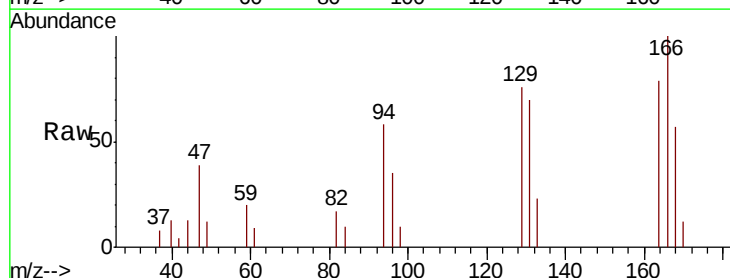
Ion Ratio Lower Upper

164 100

129 95.0 69.7 129.4

131 88.1 66.8 124.2

166 125.8 89.1 165.5

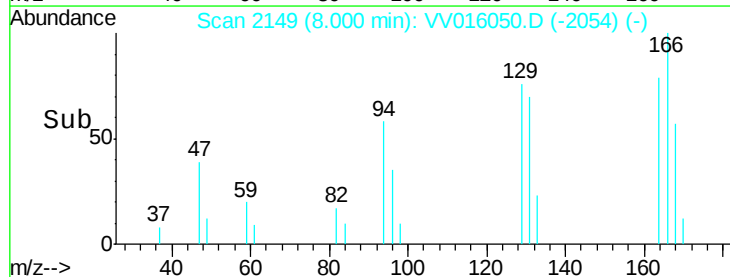
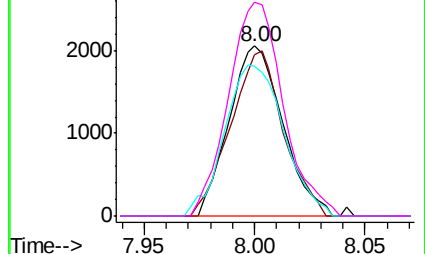


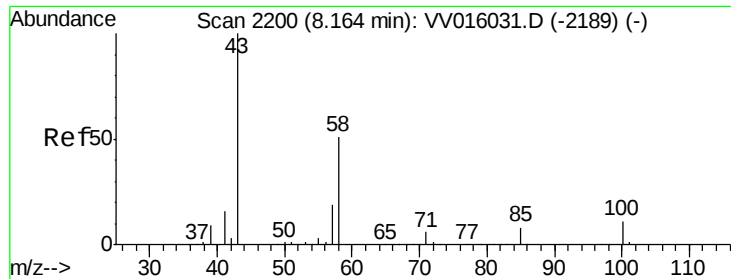
Abundance Ion 163.90 (163.60 to 164.60): VV016031.D (-2135) (-)

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) (-)

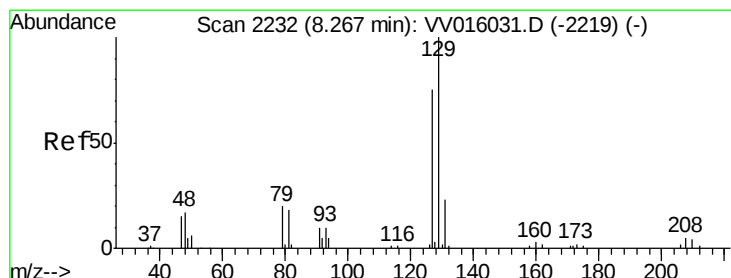
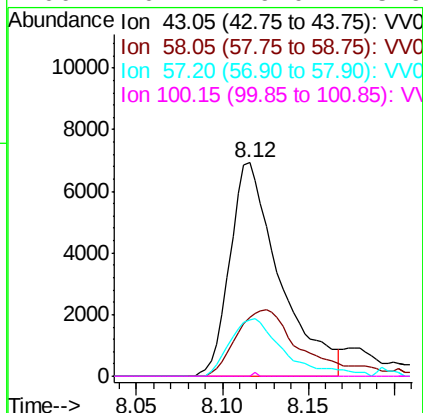
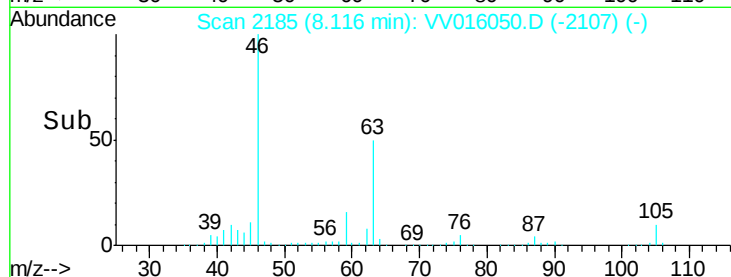
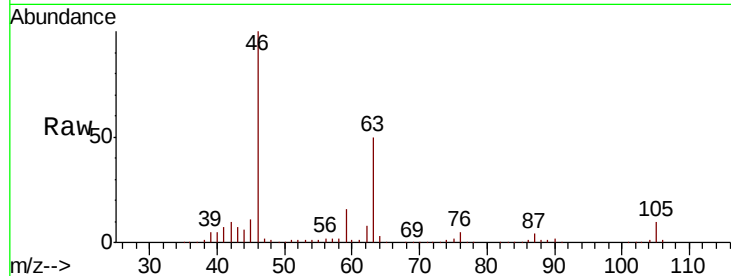




#50
2-Hexanone
Concen: 3.264 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016050.D
Acq: 13 May 2020 19:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 13942
Ion Ratio Lower Upper
43 100
58 41.2 40.8 61.2
57 27.1 14.7 22.1#
100 0.2 9.0 13.6#



#51
Dibromochloromethane
Concen: 0.453 ug/L
RT: 8.00 min Scan# 2150
Delta R.T. -0.26 min
Lab File: VV016050.D
Acq: 13 May 2020 19:12

Tgt Ion: 129 Resp: 3291
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

