

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
 Data File : VV017359.D
 Acq On : 06 Jul 2020 18:28
 Operator : SY/MD
 Sample : L3168-08DL 200X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ4DL

Quant Time: Jul 07 01:20:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:14:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	152706	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	152348	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	74450	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39396	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	34834	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.12	63	64946	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	3.97	46	92494	39.60	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.20%
24) Chloroform-d	4.38	84	94443	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.06	65	53852	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.07	84	176962	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.10	67	50324	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	7.34	98	160056	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
45) trans-1,3-Dichloropropene-	7.65	79	20960	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
48) 2-Hexanone-d5	8.12	63	67288	35.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.66%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34575	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	66255	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

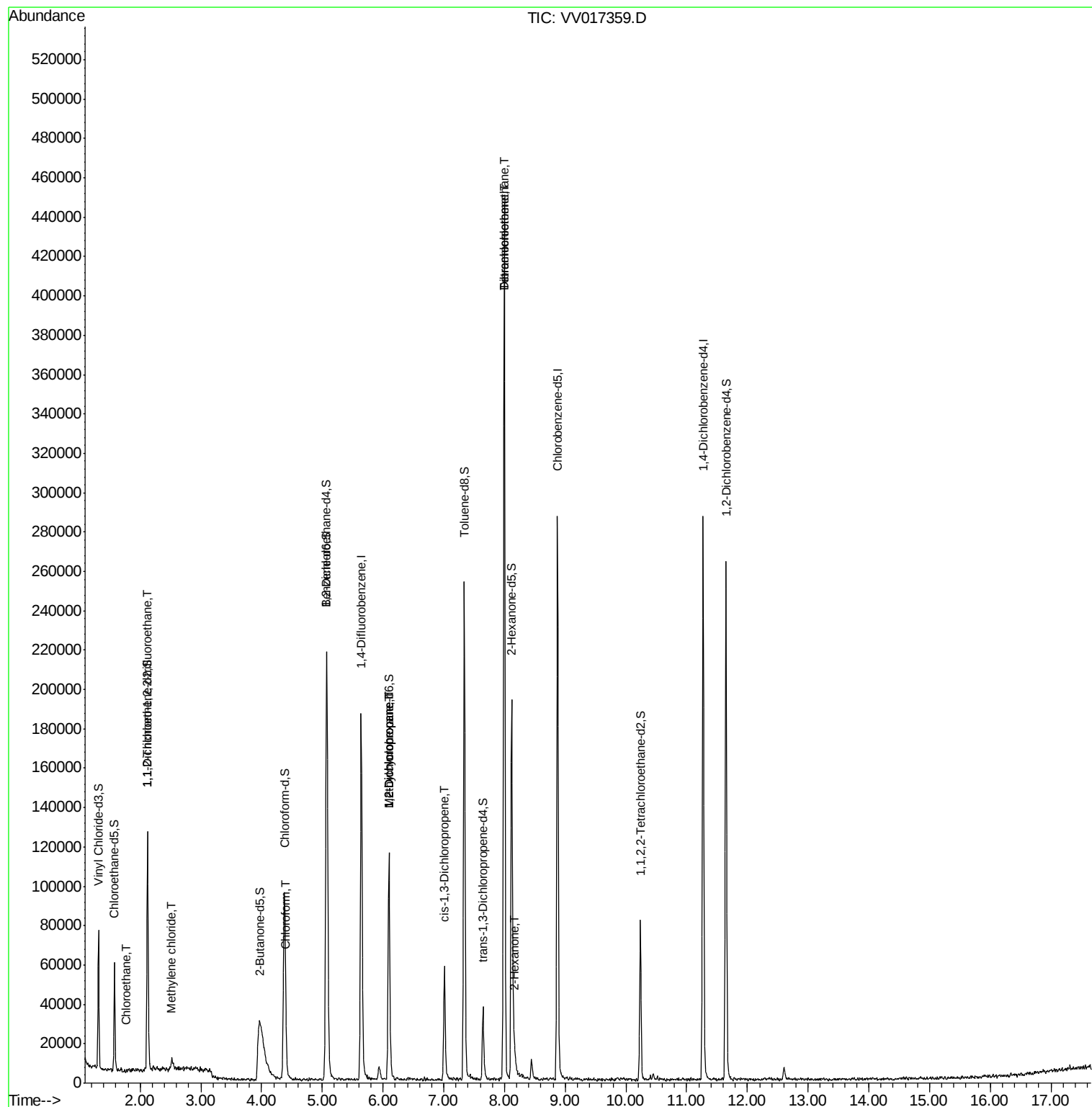
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.76	64	514	0.093	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	702	0.087	ug/L #	19
16) Methylene chloride	2.52	84	2360	0.301	ug/L	96
25) Chloroform	4.41	83	4090	0.215	ug/L	97
35) Methylcyclohexane	6.10	83	14289	0.787	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	7574	0.767	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	1607	0.110	ug/L #	25
49) Tetrachloroethene	8.00	164	96396	10.251	ug/L	99
50) 2-Hexanone	8.17	43	3194	0.787	ug/L #	69
51) Dibromochloromethane	8.00	129	88982	10.479	ug/L #	11

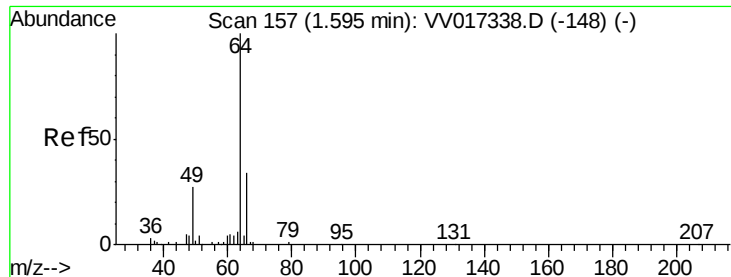
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.093 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.17 min

Lab File: VV017359.D

Acq: 06 Jul 2020 18:28

Instrument :

MSVOA_V

ClientSampleId :

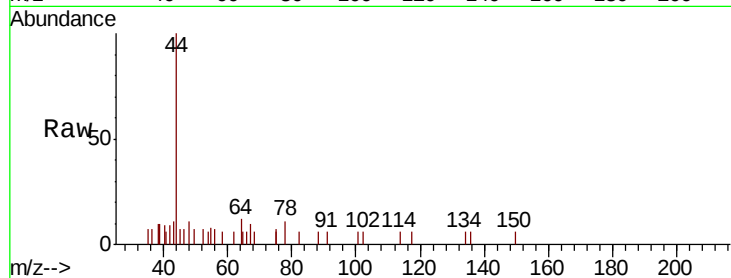
C0AJ4DL

Tot Ion: 64 Resp: 514

Ion Ratio Lower Upper

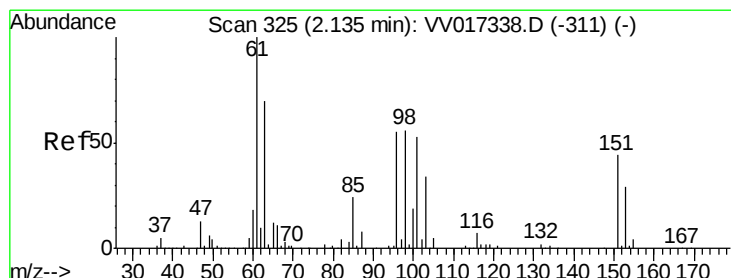
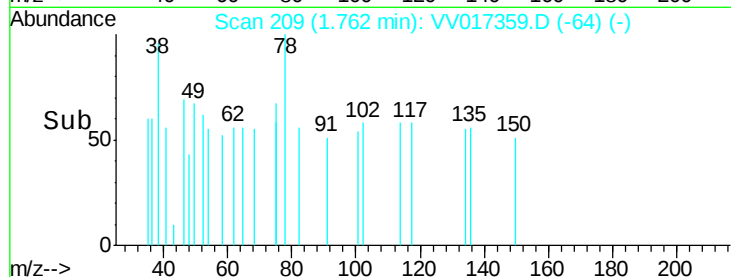
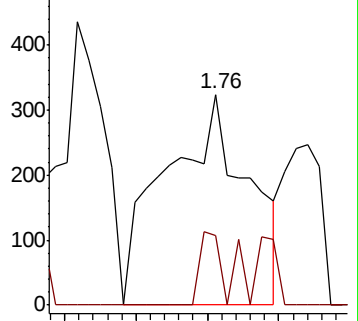
64 100

66 33.0 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV017359.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV017359.D (-64) (-)



#10

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

Concen: 0.087 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017359.D

Acq: 06 Jul 2020 18:28

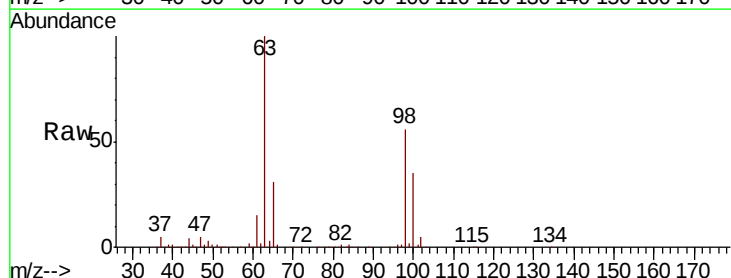
Tgt Ion: 101 Resp: 702

Ion Ratio Lower Upper

101 100

85 3.0 35.4 53.2#

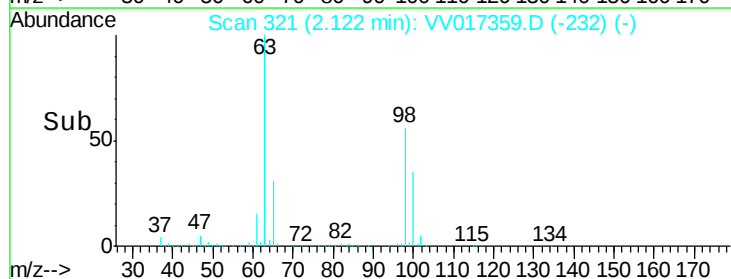
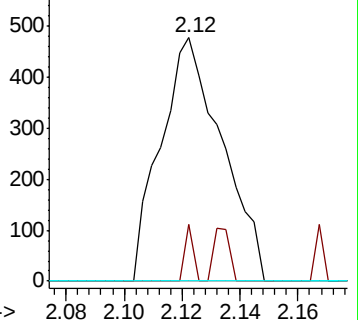
151 0.0 63.9 95.9#

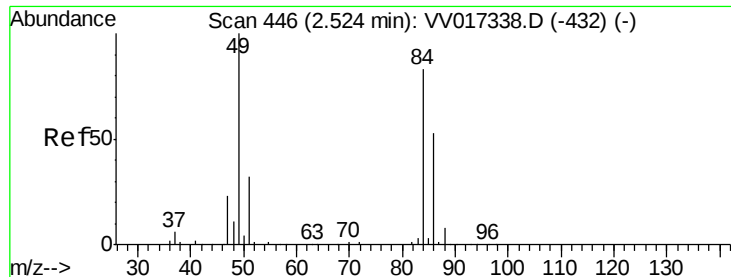


Abundance Ion 101.00 (100.70 to 101.70): VV017359.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV017359.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV017359.D (-232) (-)

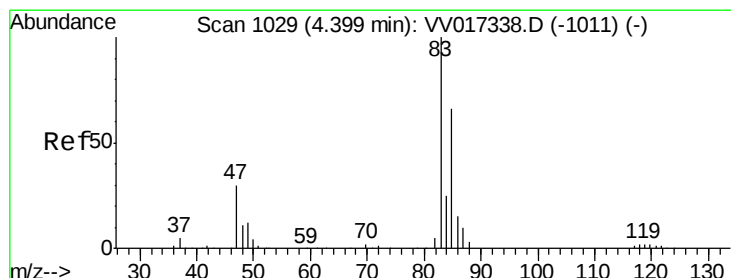
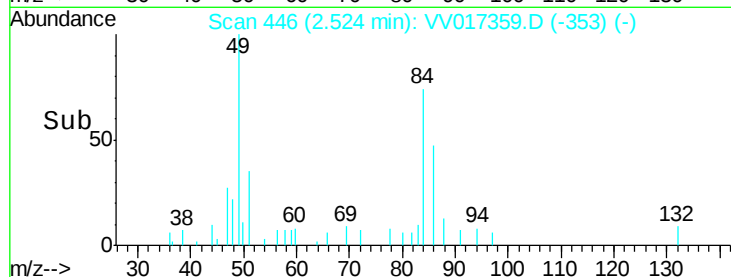
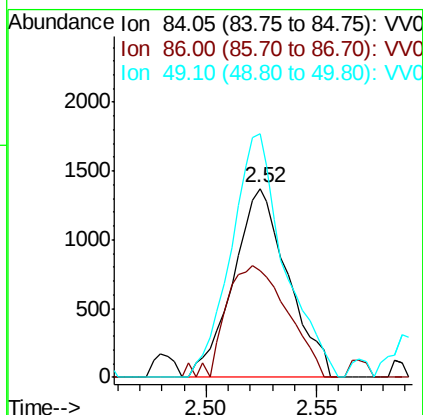
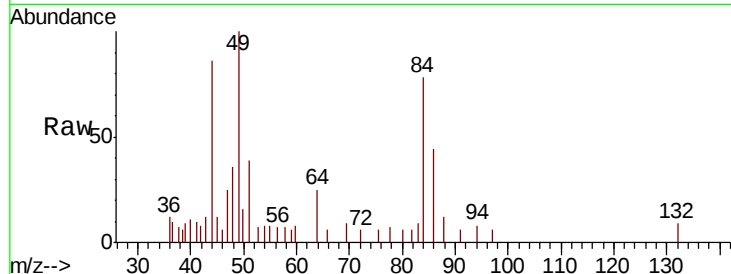




#16
Methvlene chloride
Concen: 0.301 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017359.D
Acq: 06 Jul 2020 18:28

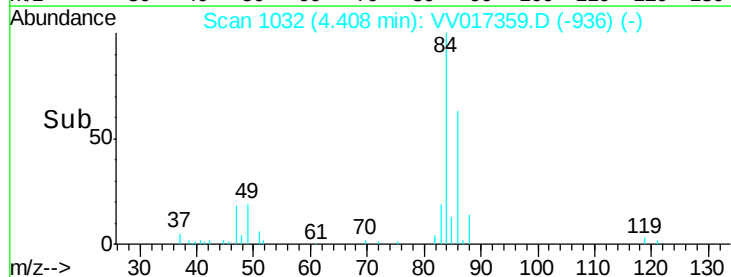
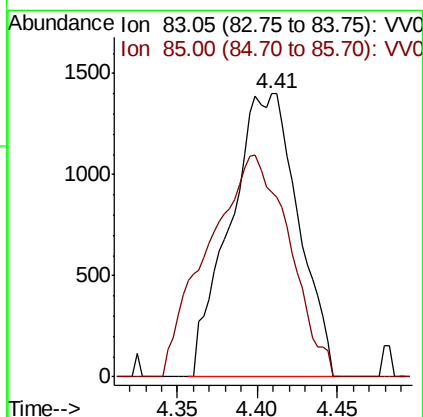
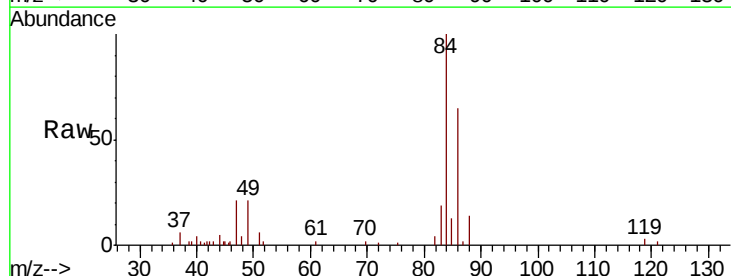
Instrument :
MSVOA_V
ClientSampleId :
C0AJ4DL

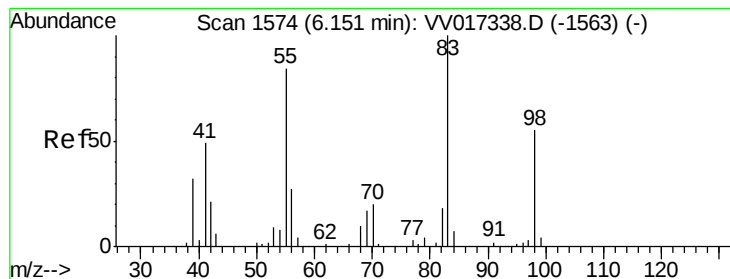
Tot Ion: 84 Resp: 2360
Ion Ratio Lower Upper
84 100
86 56.8 45.8 85.0
49 129.0 89.6 166.4



#25
Chloroform
Concen: 0.215 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV017359.D
Acq: 06 Jul 2020 18:28

Tgt Ion: 83 Resp: 4090
Ion Ratio Lower Upper
83 100
85 65.2 44.2 82.2





#35

Methvlcvclohexane

Concen: 0.787 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017359.D

Acq: 06 Jul 2020 18:28

Instrument :

MSVOA_V

ClientSampleId :

C0AJ4DL

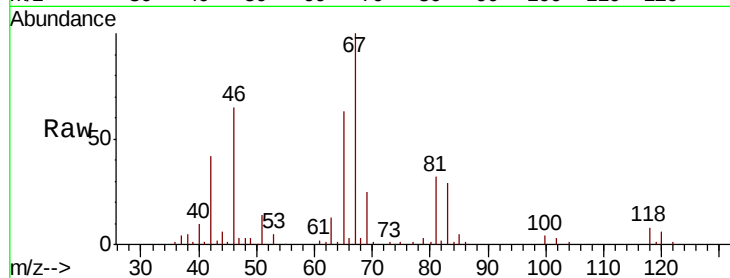
Tot Ion: 83 Resp: 14289

Ion Ratio Lower Upper

83 100

55 0.9 63.6 95.4#

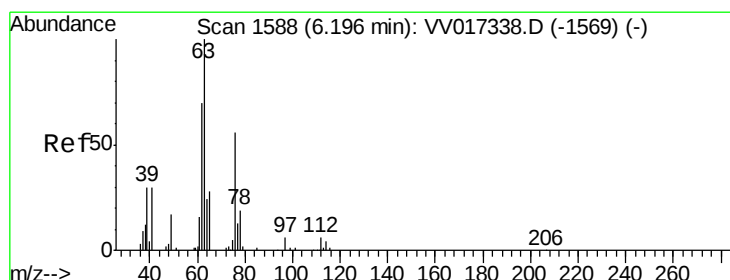
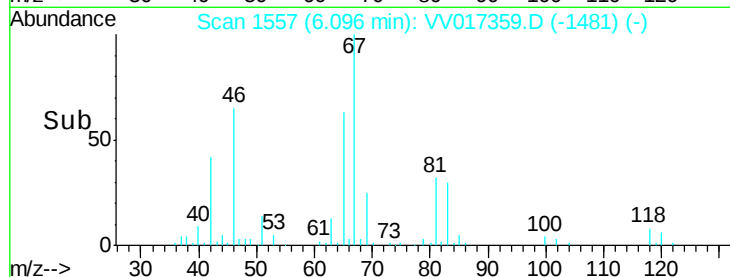
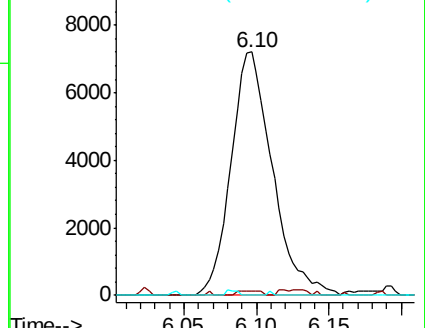
98 0.6 38.8 58.2#



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: 0.767 ug/L

RT: 6.10 min Scan# 1558

Delta R.T. -0.10 min

Lab File: VV017359.D

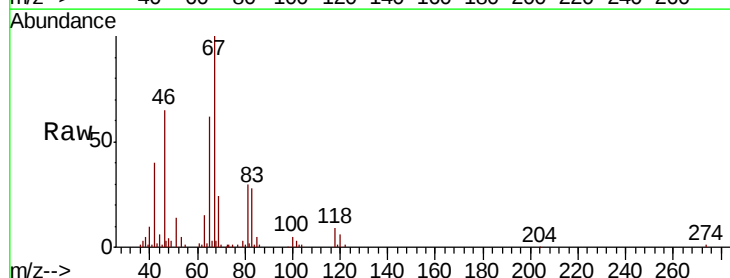
Acq: 06 Jul 2020 18:28

Tgt Ion: 63 Resp: 7574

Ion Ratio Lower Upper

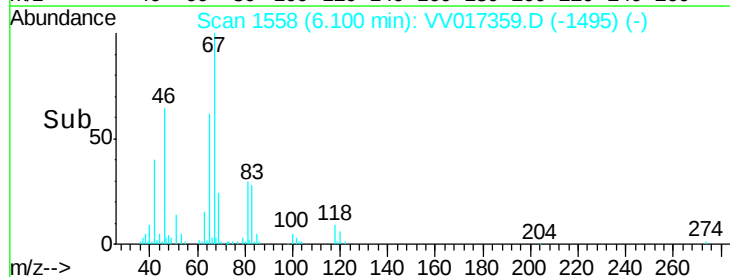
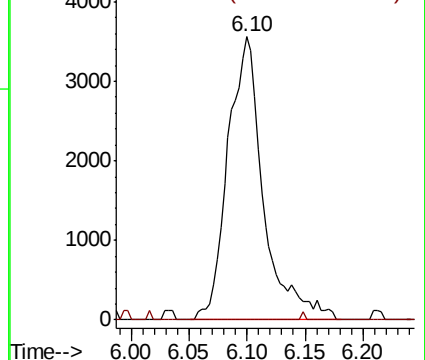
63 100

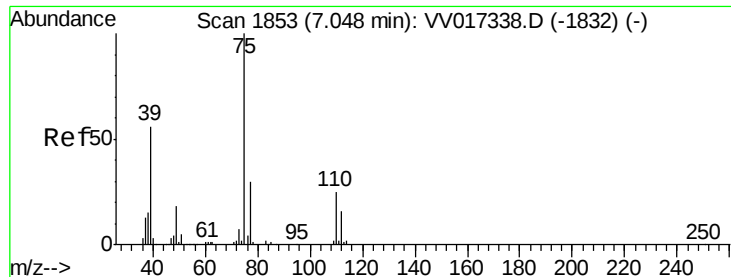
112 0.3 4.4 6.6#



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: 0.110 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017359.D

Acq: 06 Jul 2020 18:28

Instrument :

MSVOA_V

ClientSampleId :

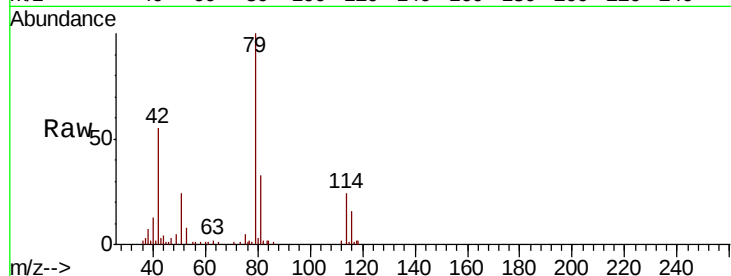
C0AJ4DL

Tot Ion: 75 Resp: 1607

Ion Ratio Lower Upper

75 100

77 73.9 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.01

800

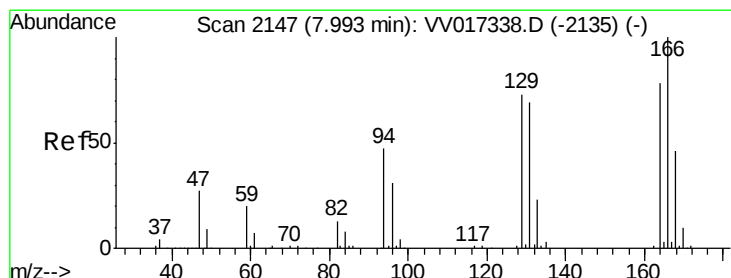
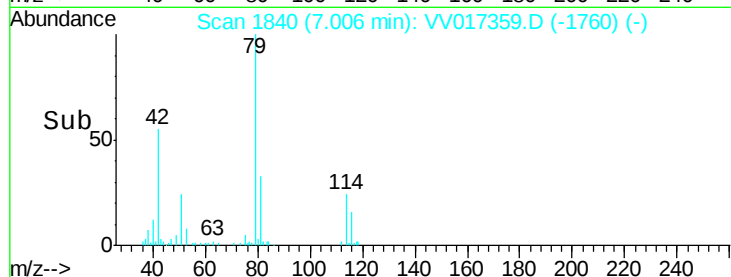
600

400

200

0

Time-->



#49

Tetrachloroethene

Concen: 10.251 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017359.D

Acq: 06 Jul 2020 18:28

Tgt Ion: 164 Resp: 96396

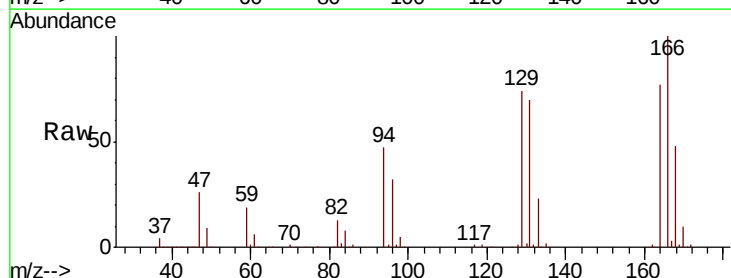
Ion Ratio Lower Upper

164 100

129 95.6 65.2 121.0

131 91.1 64.1 119.1

166 129.8 90.2 167.4



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

100000

80000

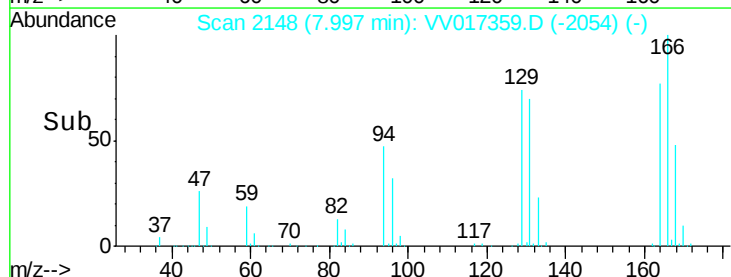
60000

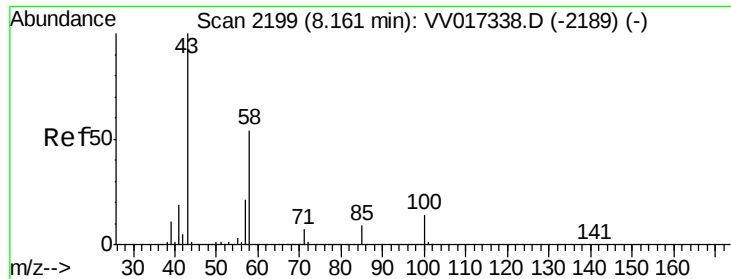
40000

20000

0

Time-->

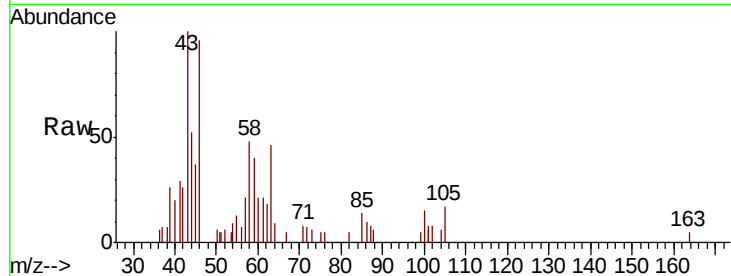




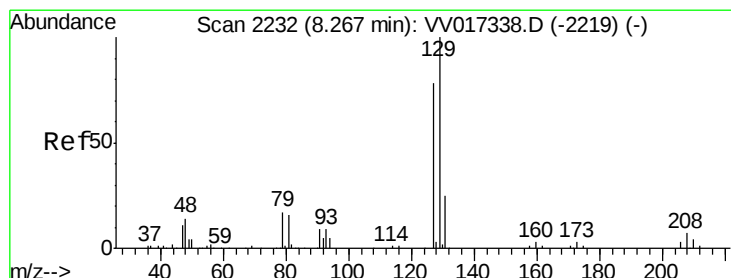
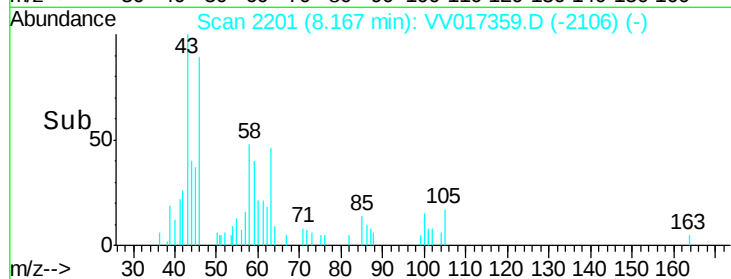
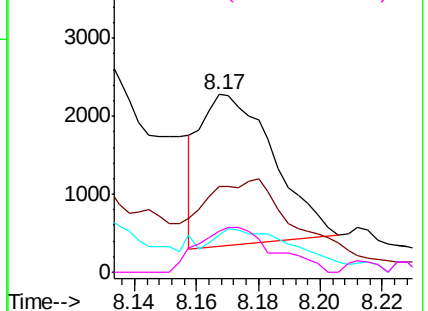
#50
2-Hexanone
Concen: 0.787 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017359.D
Acq: 06 Jul 2020 18:28

Instrument :
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Tot Ion: 43 Resp: 3194
Ion Ratio Lower Upper
43 100
58 71.6 41.6 62.4#
57 33.2 15.4 23.0#
100 30.7 10.1 15.1#

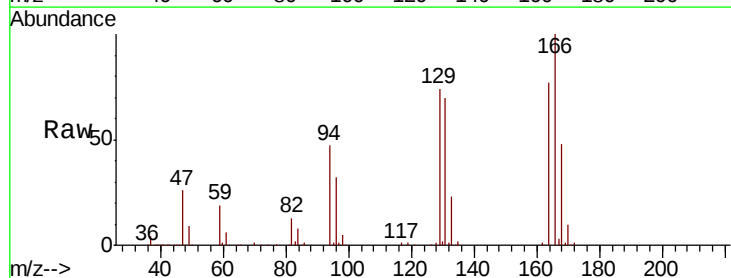


Abundance Ion 43.05 (42.75 to 43.75): VV017338.D (-2189) (-)
Ion 58.05 (57.75 to 58.75): VV017338.D (-2189) (-)
Ion 57.20 (56.90 to 57.90): VV017338.D (-2189) (-)
Ion 100.15 (99.85 to 100.85): VV017338.D (-2189) (-)



#51
Dibromochloromethane
Concen: 10.479 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV017359.D
Acq: 06 Jul 2020 18:28

Tgt Ion: 129 Resp: 88982
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): VV017338.D (-2219) (-)
Ion 126.90 (126.60 to 127.60): VV017338.D (-2219) (-)

