

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
 Data File : VV017362.D
 Acq On : 06 Jul 2020 19:40
 Operator : SY/MD
 Sample : L3168-12 200X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ8

Quant Time: Jul 07 01:21:09 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	154964	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	153036	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	74151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39664	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.58	69	33752	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.12	63	64683	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	3.95	46	96079	40.53	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.06%
24) Chloroform-d	4.38	84	97651	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.06	65	54767	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.07	84	175448	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.10	67	50028	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.20%
41) Toluene-d8	7.34	98	160269	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
45) trans-1,3-Dichloropropene-	7.65	79	20889	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
48) 2-Hexanone-d5	8.12	63	68477	36.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.60%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35154	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	63580	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

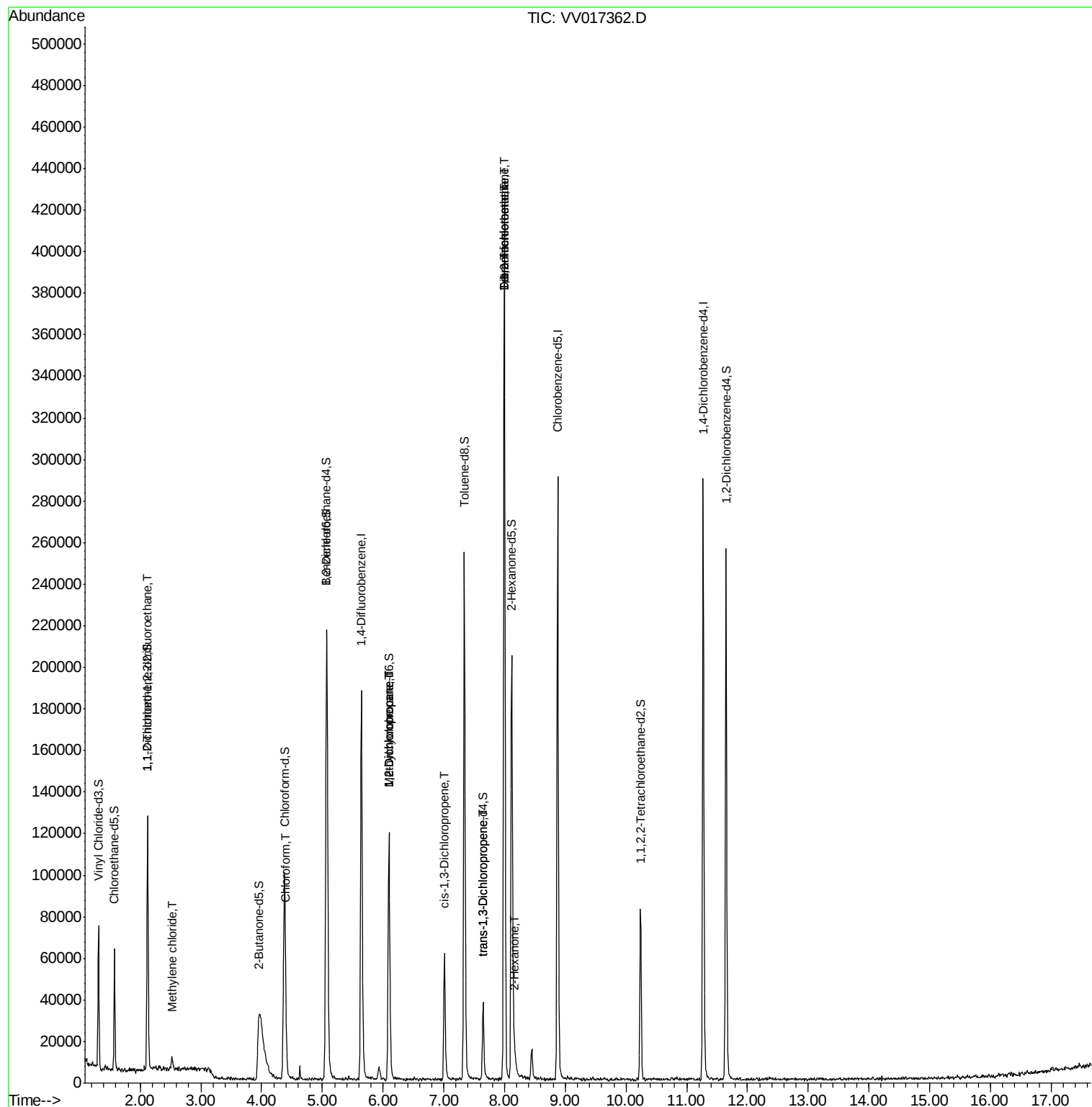
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	959	0.117	ug/L #	26
16) Methylene chloride	2.52	84	2232	0.280	ug/L	73
25) Chloroform	4.40	83	3949	0.204	ug/L	87
35) Methylcyclohexane	6.09	83	14726	0.807	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	6779	0.683	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	2107	0.143	ug/L	86
46) trans-1,3-Dichloropropene	7.65	75	1113	0.087	ug/L #	80
47) 1,1,2-Trichloroethane	7.99	97	946	0.134	ug/L #	7
49) Tetrachloroethene	7.99	164	90579	9.589	ug/L	98
50) 2-Hexanone	8.17	43	4695	1.152	ug/L #	78
51) Dibromochloromethane	7.99	129	83678	9.810	ug/L #	11

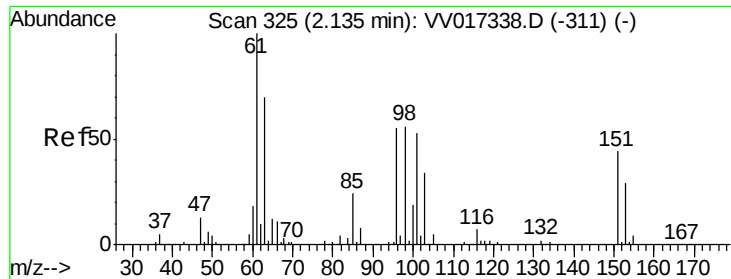
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.117 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017362.D

Acq: 06 Jul 2020 19:40

Instrument :

MSVOA_V

ClientSampleId :

C0AJ8

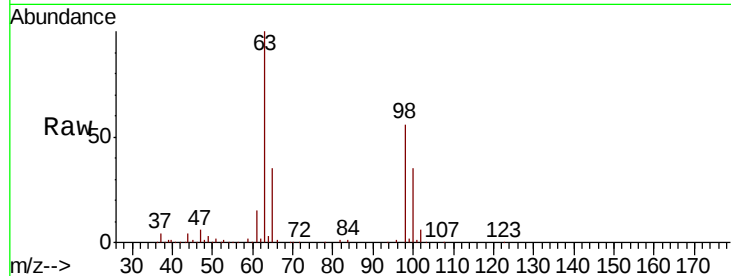
Tot Ion:101 Resp: 959

Ion Ratio Lower Upper

101 100

85 9.3 35.4 53.2#

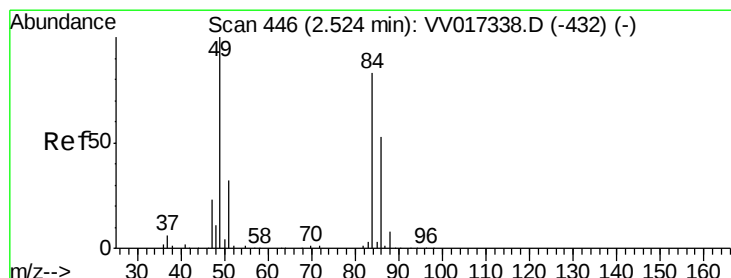
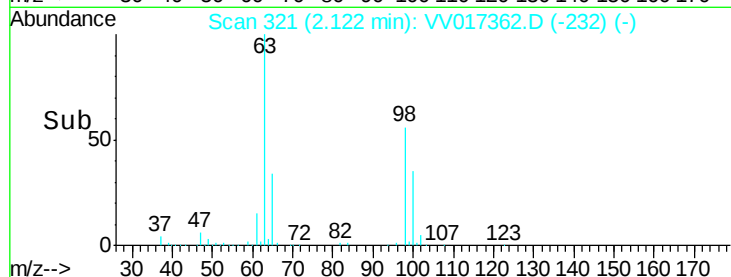
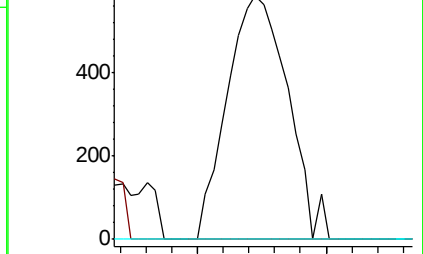
151 4.2 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): VV017338.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017338.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017338.D (-311) (-)



#16

Methylene chloride

Concen: 0.280 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017362.D

Acq: 06 Jul 2020 19:40

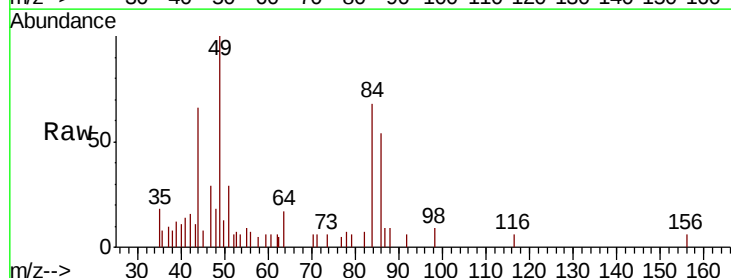
Tgt Ion: 84 Resp: 2232

Ion Ratio Lower Upper

84 100

86 79.2 45.8 85.0

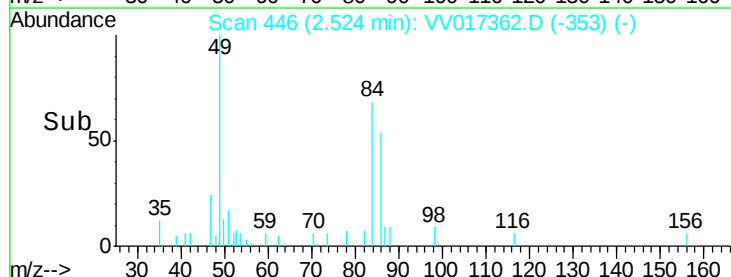
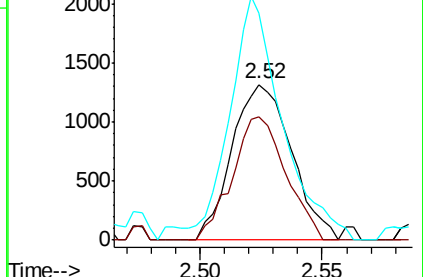
49 165.6 89.6 166.4

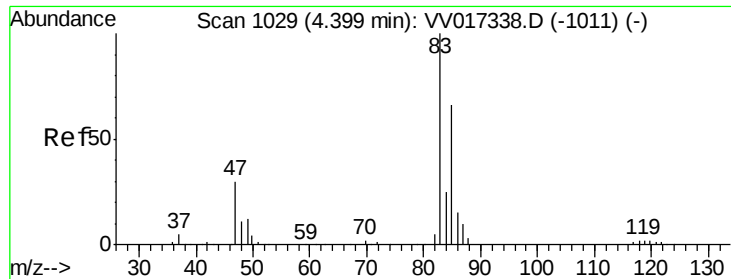


Abundance Ion 84.05 (83.75 to 84.75): VV017338.D (-432) (-)

Ion 86.00 (85.70 to 86.70): VV017338.D (-432) (-)

Ion 49.10 (48.80 to 49.80): VV017338.D (-432) (-)

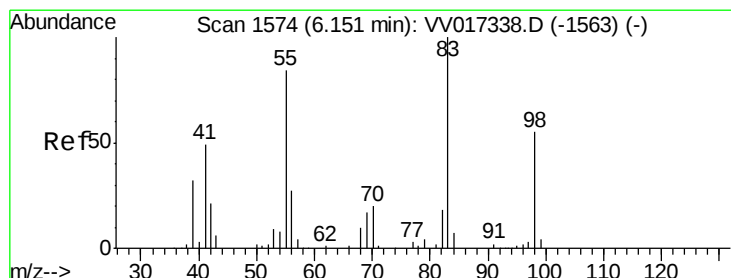
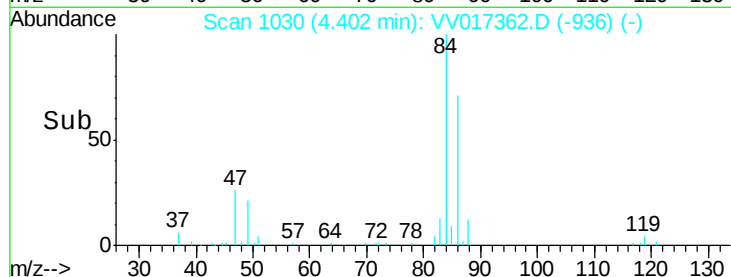
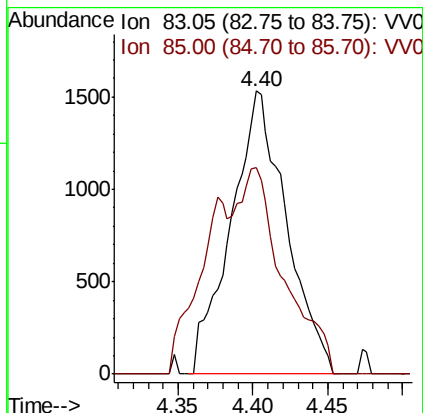
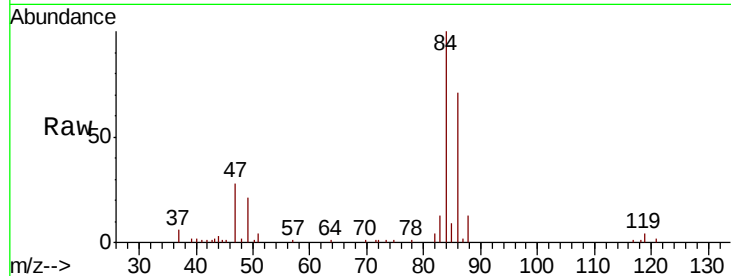




#25
Chloroform
Concen: 0.204 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017362.D
Acq: 06 Jul 2020 19:40

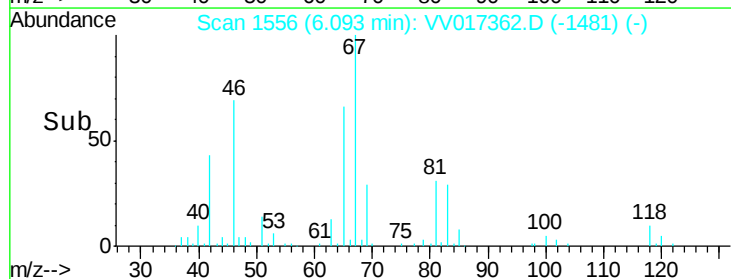
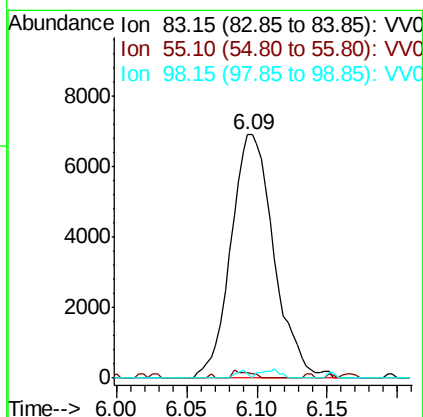
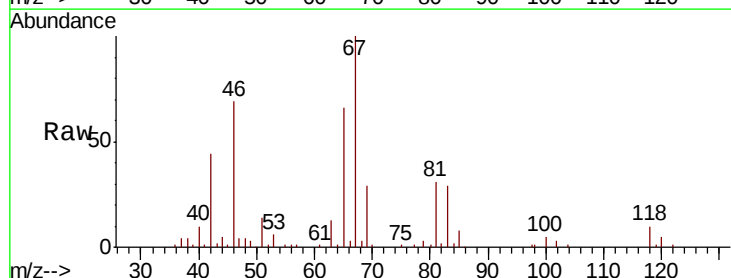
Instrument :
MSVOA_V
ClientSampleId :
C0AJ8

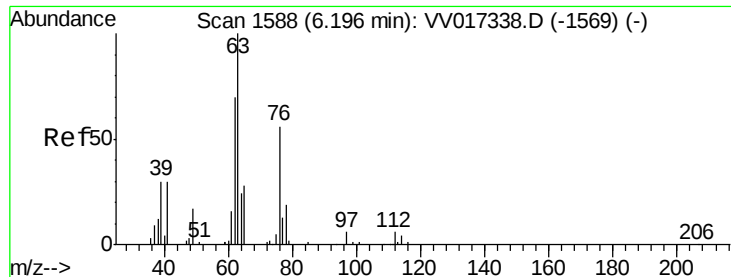
Tot Ion: 83 Resp: 3949
Ion Ratio Lower Upper
83 100
85 73.0 44.2 82.2



#35
Methylcyclohexane
Concen: 0.807 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017362.D
Acq: 06 Jul 2020 19:40

Tgt Ion: 83 Resp: 14726
Ion Ratio Lower Upper
83 100
55 1.2 63.6 95.4#
98 0.8 38.8 58.2#

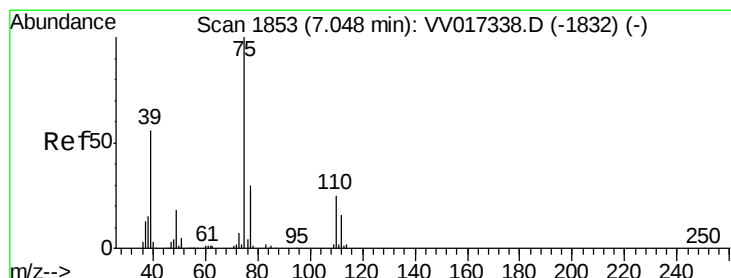
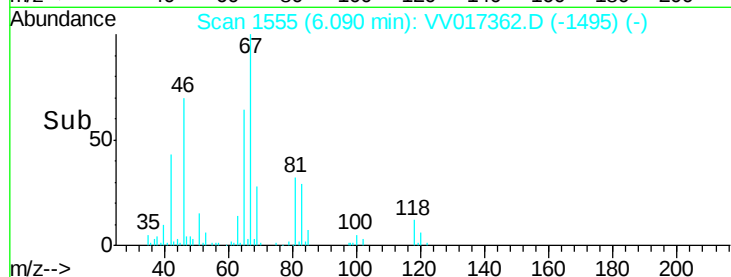
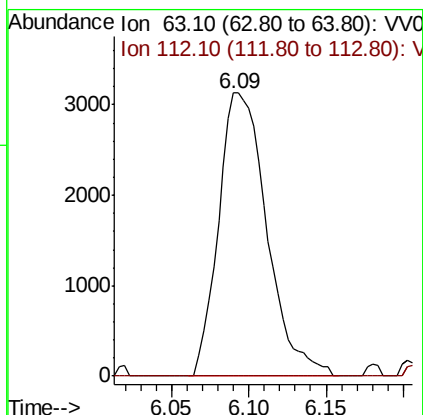
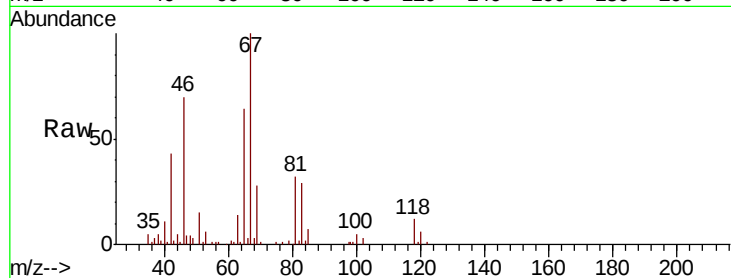




#37
 1,2-Dichloropropane
 Concen: 0.683 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.11 min
 Lab File: VV017362.D
 Acq: 06 Jul 2020 19:40

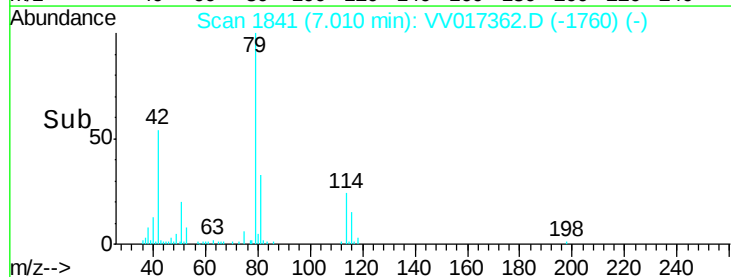
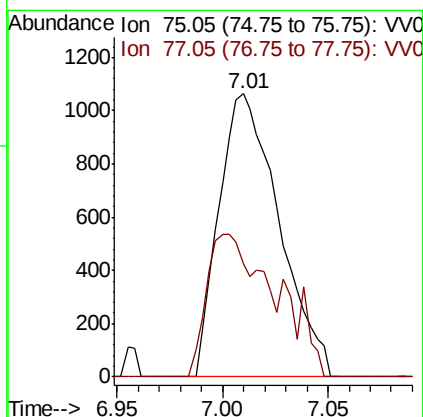
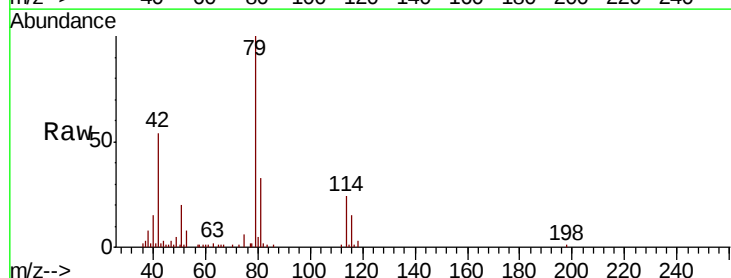
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ8

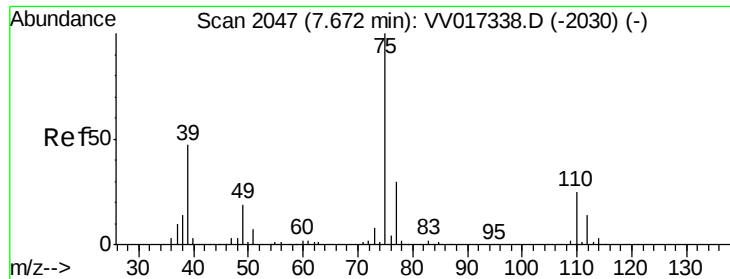
Tot Ion: 63 Resp: 6779
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.143 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017362.D
 Acq: 06 Jul 2020 19:40

Tgt Ion: 75 Resp: 2107
 Ion Ratio Lower Upper
 75 100
 77 39.9 22.3 41.5





#46

trans-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV017362.D

Acq: 06 Jul 2020 19:40

Instrument :

MSVOA_V

ClientSampleId :

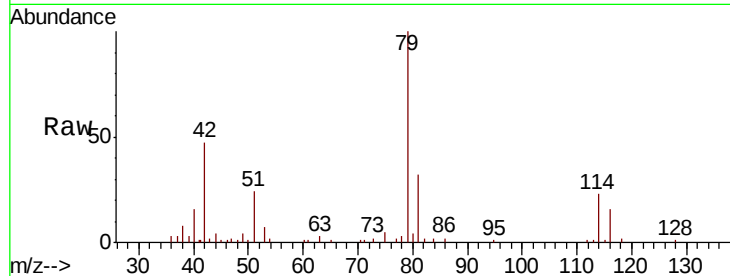
C0AJ8

Tot Ion: 75 Resp: 1113

Ion Ratio Lower Upper

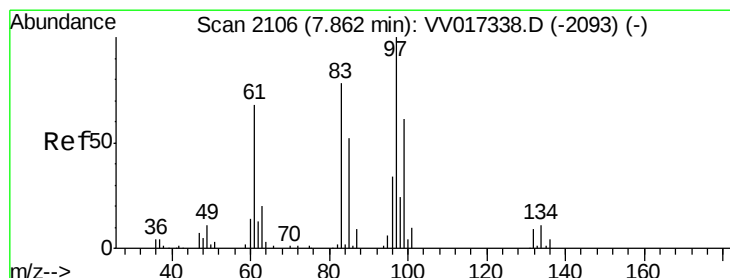
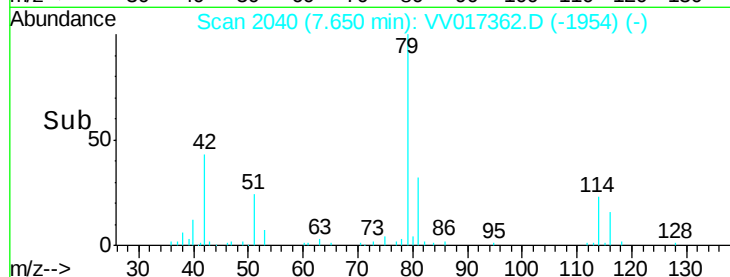
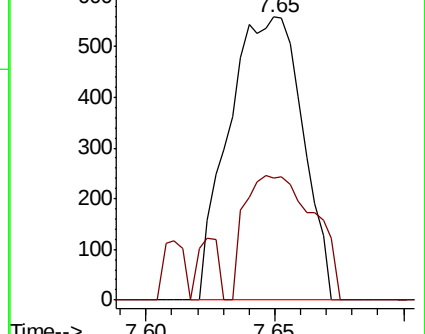
75 100

77 43.2 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

1,1,2-Trichloroethane

Concen: 0.134 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV017362.D

Acq: 06 Jul 2020 19:40

Tgt Ion: 97 Resp: 946

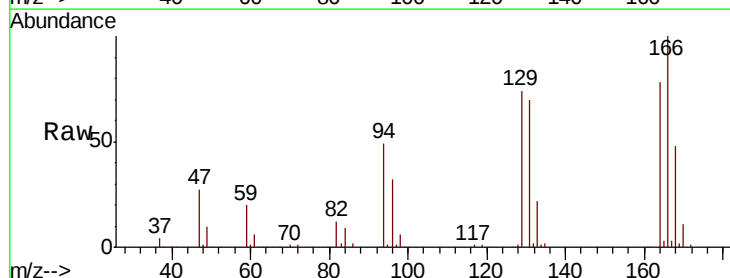
Ion Ratio Lower Upper

97 100

99 25.0 43.6 81.0#

83 204.8 57.4 106.6#

85 0.0 38.8 72.0#

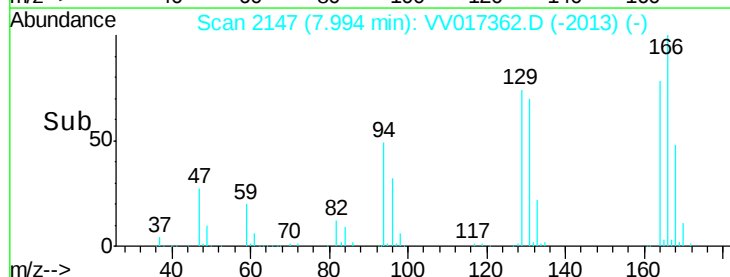
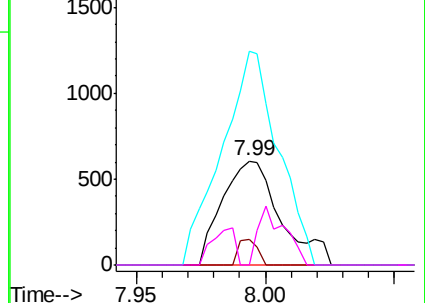


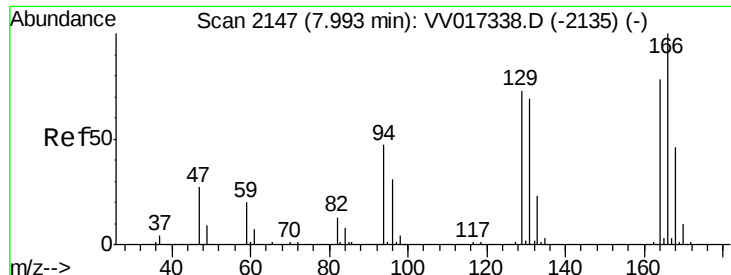
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#49

Tetrachloroethene

Concen: 9.589 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV017362.D

Acq: 06 Jul 2020 19:40

Instrument :

MSVOA_V

ClientSampleId :

C0AJ8

Tot Ion:164 Resp: 90579

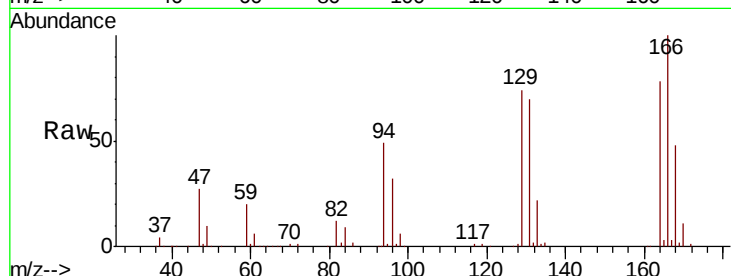
Ion Ratio Lower Upper

164 100

129 94.9 65.2 121.0

131 89.2 64.1 119.1

166 127.5 90.2 167.4

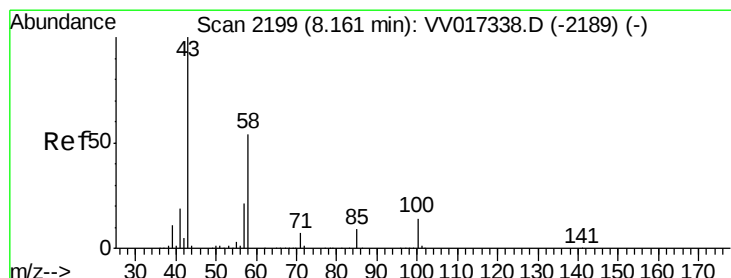
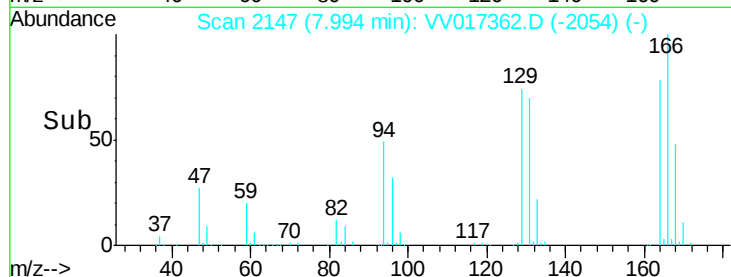
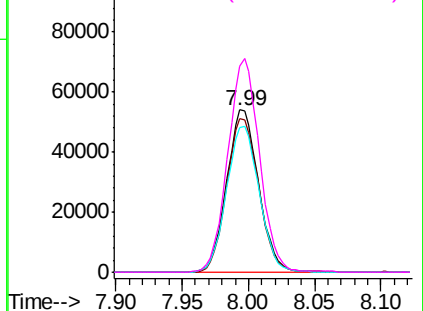


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 1.152 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV017362.D

Acq: 06 Jul 2020 19:40

Tgt Ion: 43 Resp: 4695

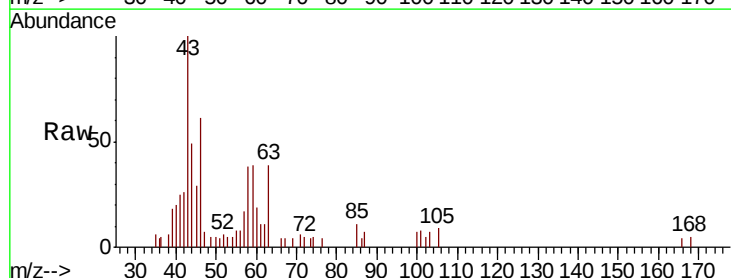
Ion Ratio Lower Upper

43 100

58 35.4 41.6 62.4#

57 30.3 15.4 23.0#

100 7.2 10.1 15.1#

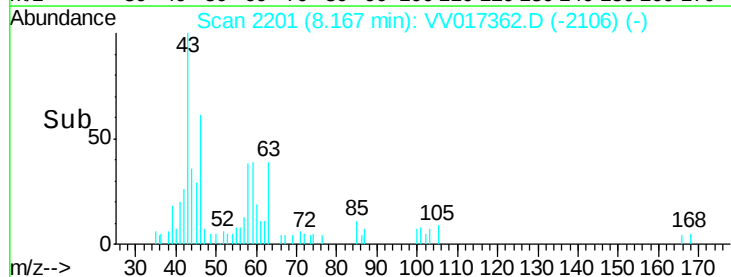
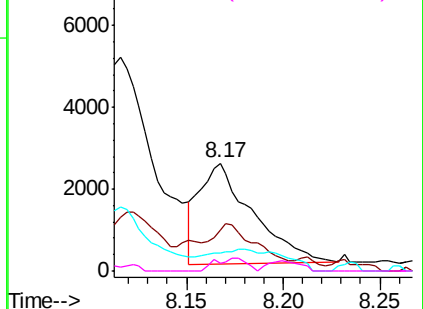


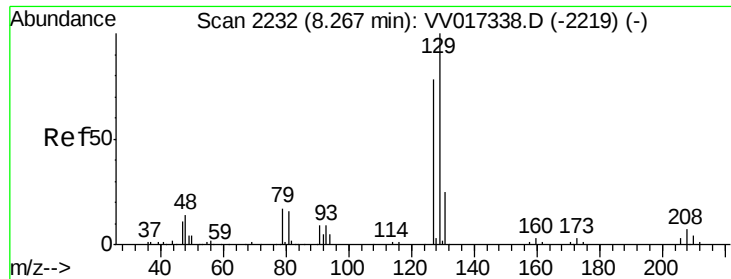
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 9.810 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV017362.D

Acq: 06 Jul 2020 19:40

Instrument :

MSVOA_V

ClientSampleId :

C0AJ8

Tot Ion:129 Resp: 83678

Ion Ratio Lower Upper

129 100

127 0.4 54.1 100.5#

