

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\
 Data File : VV017370.D
 Acq On : 07 Jul 2020 11:46
 Operator : SY/MD
 Sample : L3168-12 50X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 08 01:34:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:30:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	151495	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	147408	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69189	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39045	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.58	69	33067	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.12	63	64695	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	3.96	46	96756	41.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.50%
24) Chloroform-d	4.38	84	96556	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	52523	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.07	84	170186	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.09	67	50259	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.34	98	153567	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
45) trans-1,3-Dichloropropene-	7.65	79	20283	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
48) 2-Hexanone-d5	8.12	63	67428	37.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.22%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33683	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	63264	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

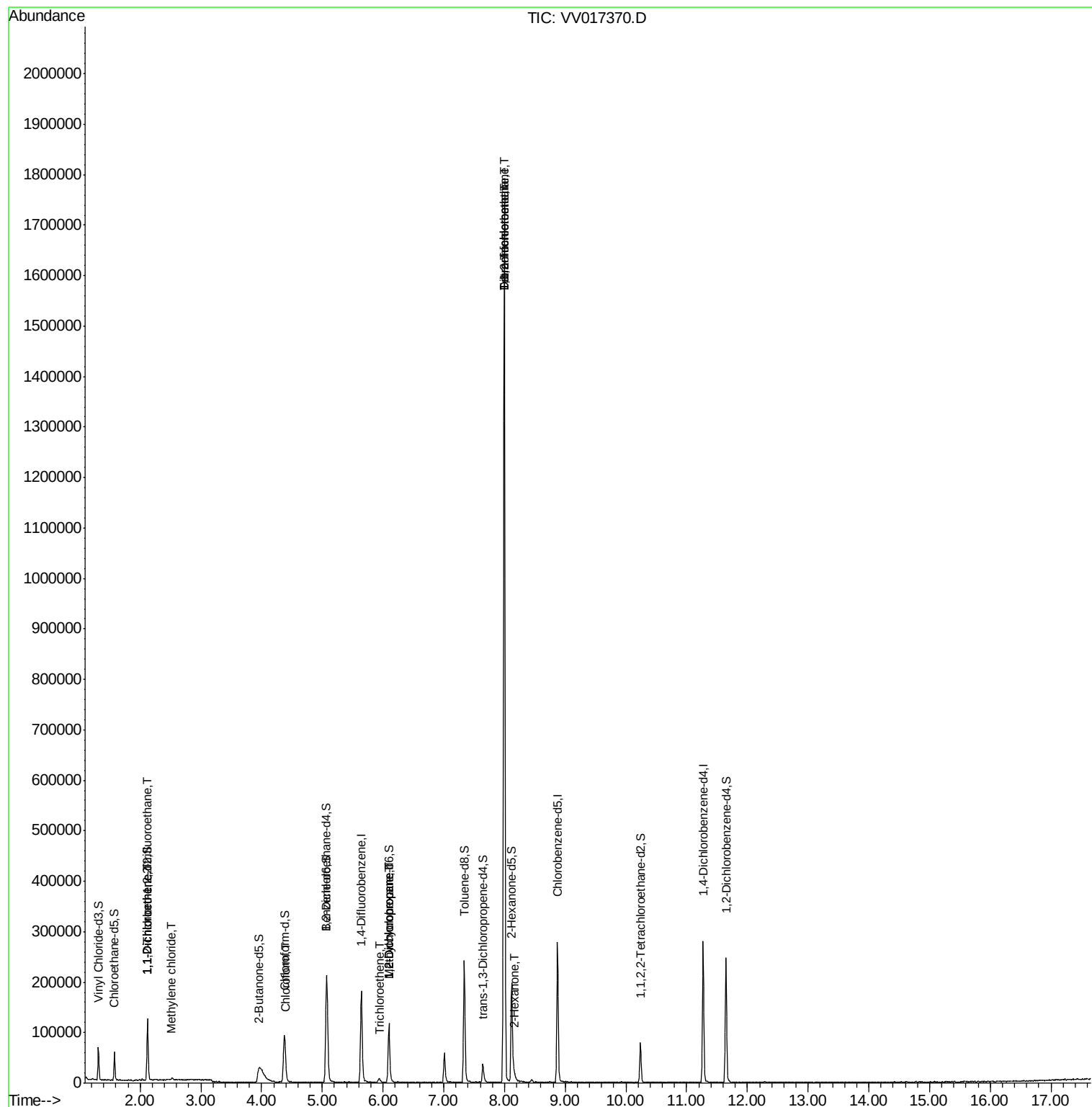
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	731	0.091	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	666	0.092	ug/L #	1
16) Methylene chloride	2.52	84	1553	0.199	ug/L	100
25) Chloroform	4.41	83	3284	0.174	ug/L	99
34) Trichloroethene	5.95	95	1299	0.115	ug/L #	65
35) Methylcyclohexane	6.10	83	13169	0.749	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	6817	0.713	ug/L #	86
47) 1,1,2-Trichloroethane	7.99	97	3688	0.544	ug/L #	26
49) Tetrachloroethene	8.00	164	378971	41.653	ug/L	98
50) 2-Hexanone	8.17	43	5609	1.428	ug/L #	91
51) Dibromochloromethane	7.99	129	337693	41.103	ug/L #	11

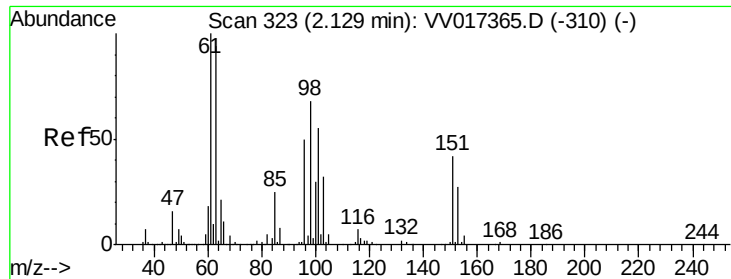
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 08 01:30:57 2020
Response via : Initial Calibration





#10

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

Concen: 0.091 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017370.D

Acq: 07 Jul 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

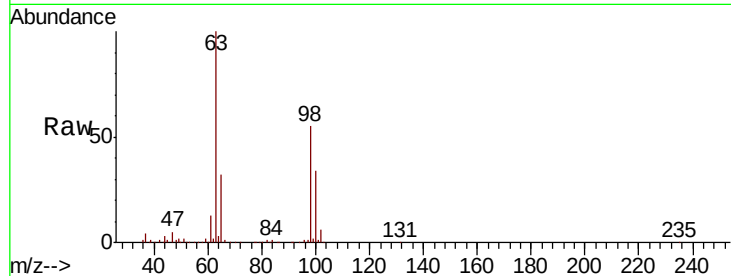
Tot Ion:101 Resp: 731

Ion Ratio Lower Upper

101 100

85 5.9 35.4 53.2#

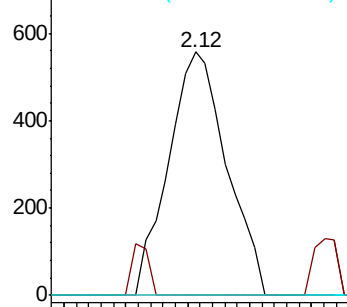
151 0.0 63.9 95.9#



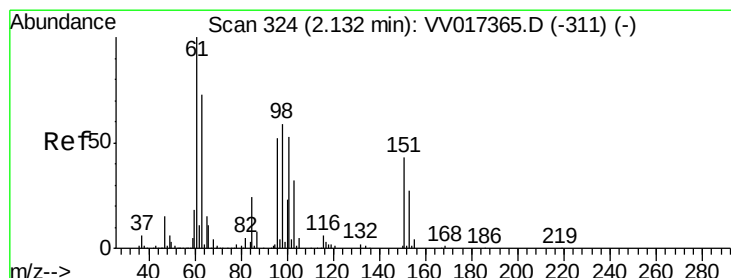
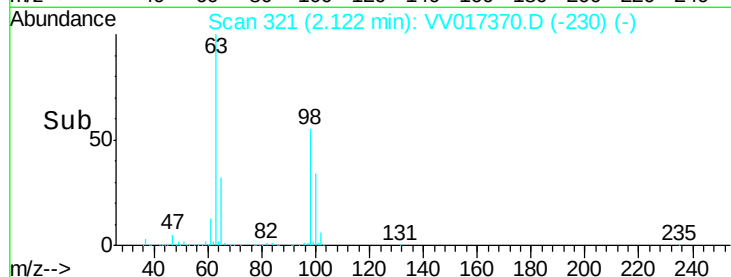
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.092 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017370.D

Acq: 07 Jul 2020 11:46

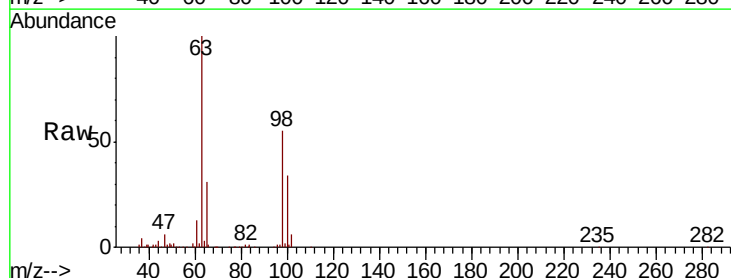
Tgt Ion: 96 Resp: 666

Ion Ratio Lower Upper

96 100

61 1381.5 125.0 232.2#

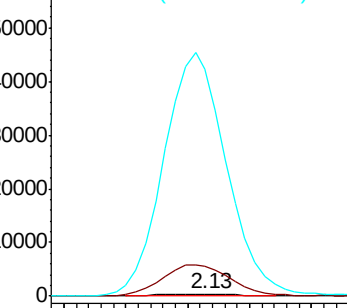
63 10455.3 109.8 203.8#



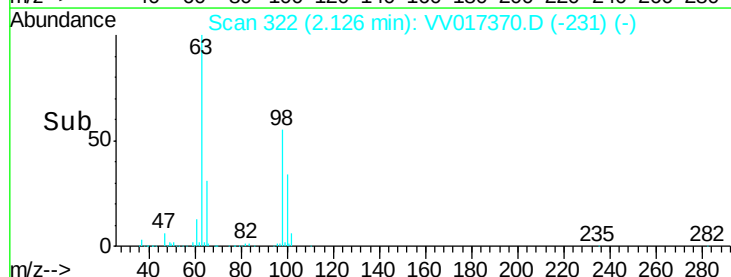
Abundance Ion 96.00 (95.70 to 96.70): VV0

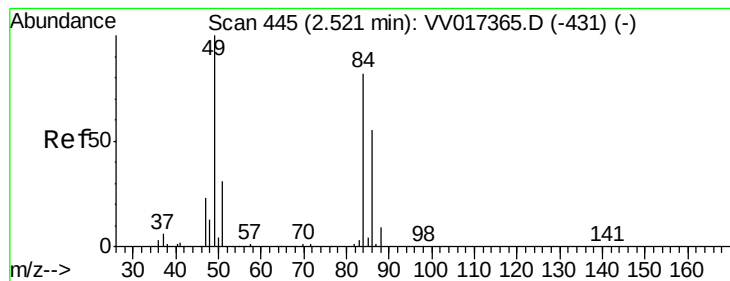
Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



Time-->





#16

Methvlene chloride

Concen: 0.199 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017370.D

Acq: 07 Jul 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

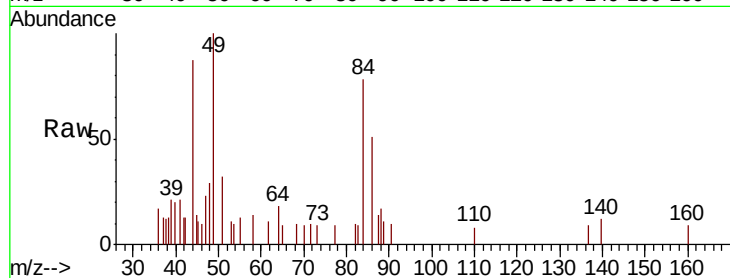
Tot Ion: 84 Resp: 1553

Ion Ratio Lower Upper

84 100

86 65.1 45.8 85.0

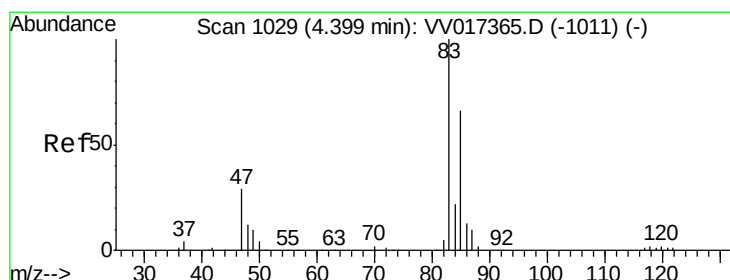
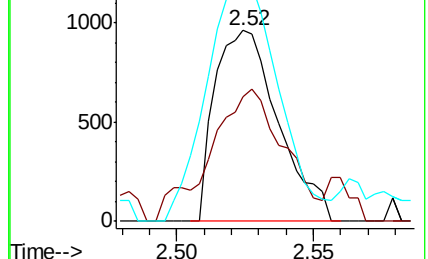
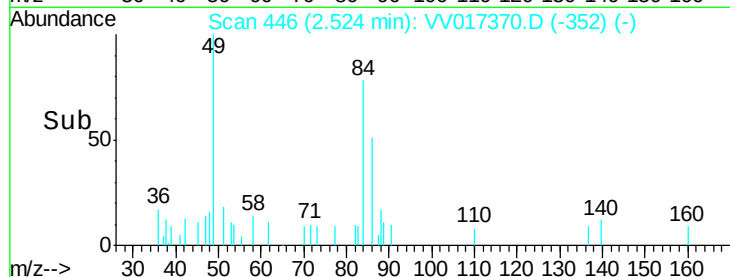
49 127.8 89.6 166.4



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



#25

Chloroform

Concen: 0.174 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV017370.D

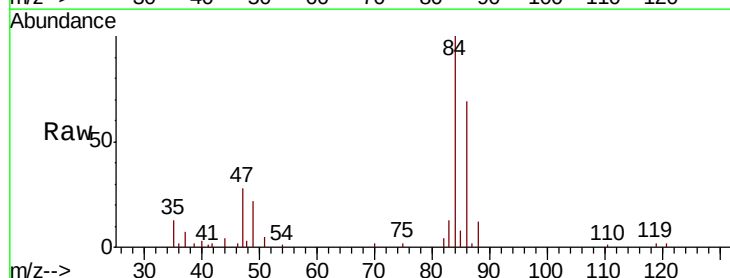
Acq: 07 Jul 2020 11:46

Tgt Ion: 83 Resp: 3284

Ion Ratio Lower Upper

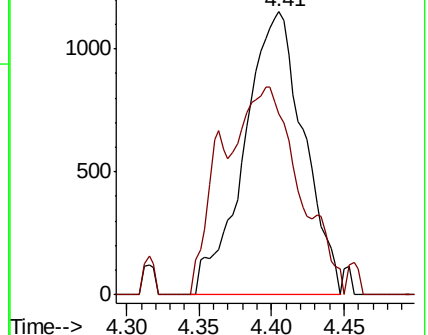
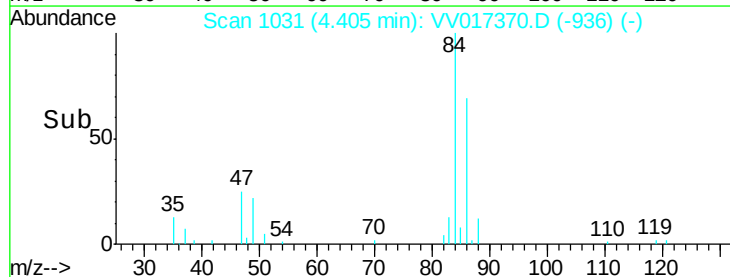
83 100

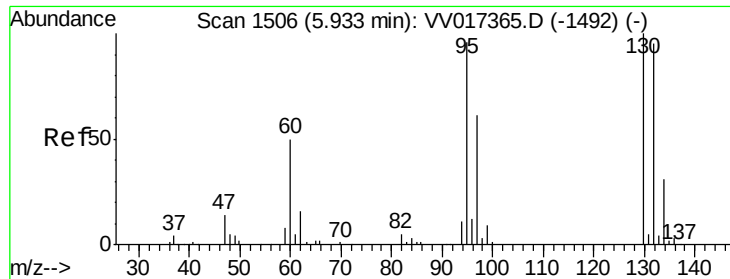
85 63.8 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

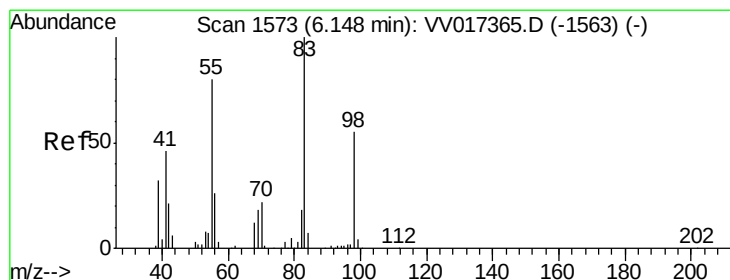
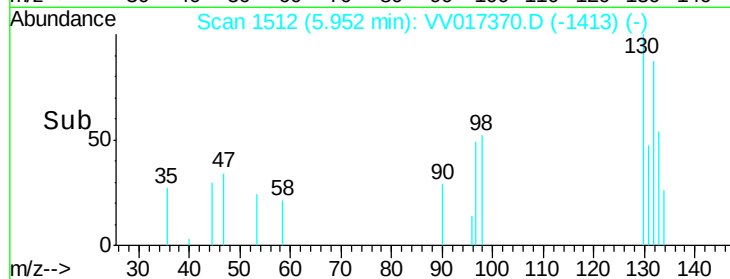
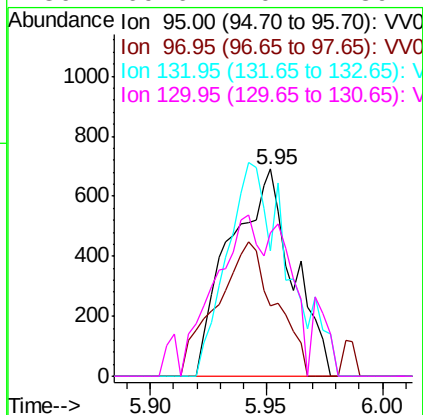
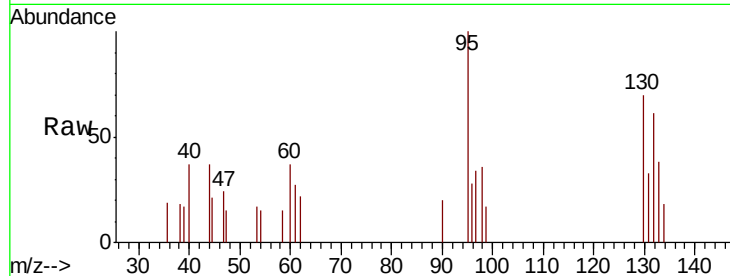




#34
 Trichloroethene
 Concen: 0.115 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. 0.02 min
 Lab File: VV017370.D
 Acq: 07 Jul 2020 11:46

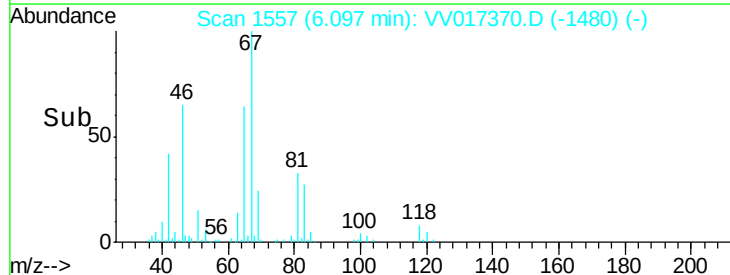
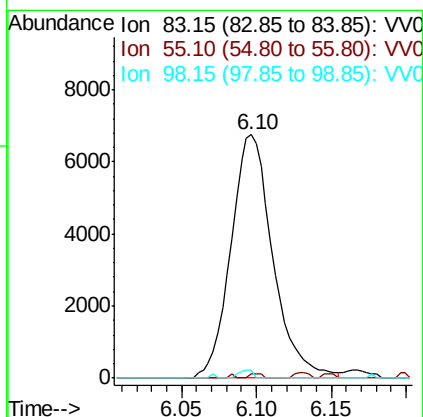
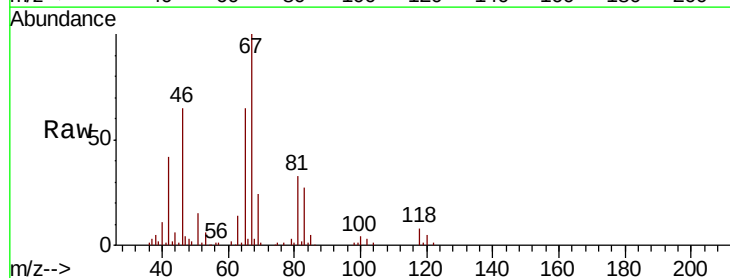
Instrument :
 MSVOA_V
 ClientSampleId :

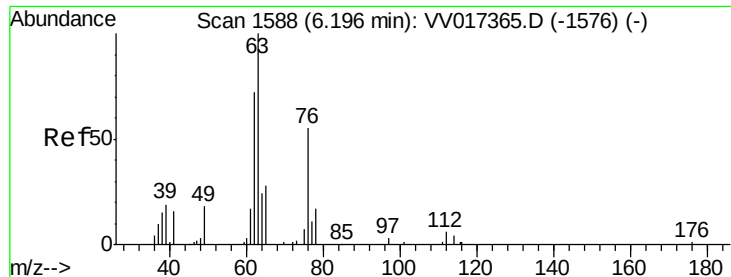
Tot Ion: 95 Resp: 1299
 Ion Ratio Lower Upper
 95 100
 97 34.2 45.3 84.1#
 132 60.6 68.8 127.8#
 130 69.6 70.2 130.4#



#35
 Methylcyclohexane
 Concen: 0.749 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV017370.D
 Acq: 07 Jul 2020 11:46

Tgt Ion: 83 Resp: 13169
 Ion Ratio Lower Upper
 83 100
 55 0.5 63.6 95.4#
 98 1.1 38.8 58.2#

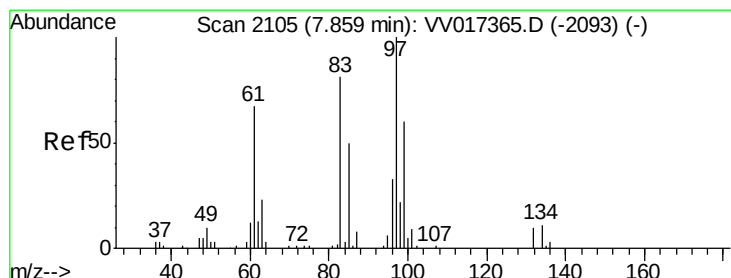
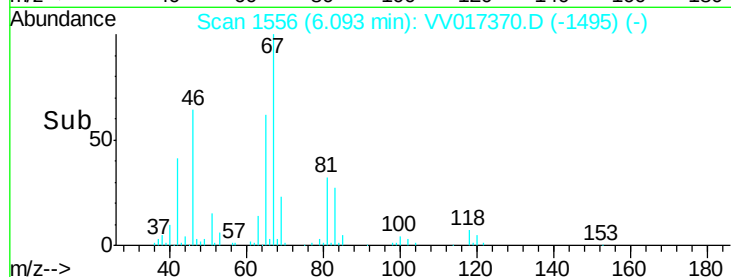
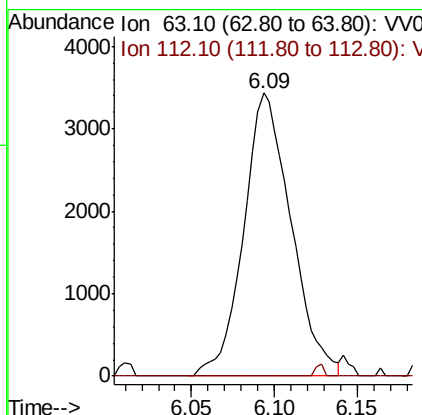
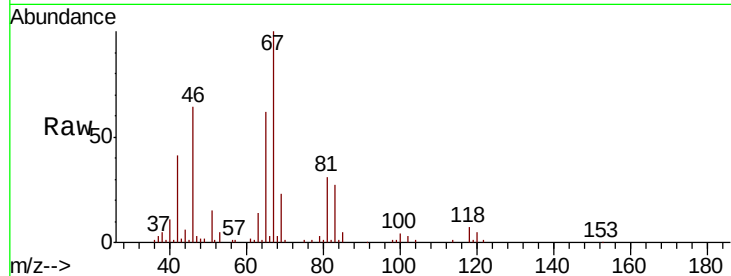




#37
 1,2-Dichloropropane
 Concen: 0.713 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017370.D
 Acq: 07 Jul 2020 11:46

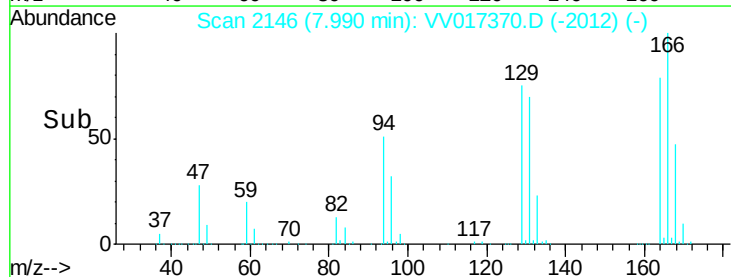
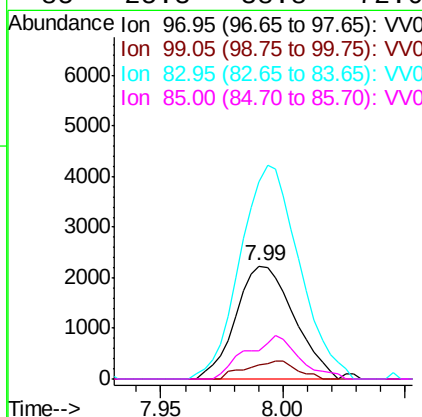
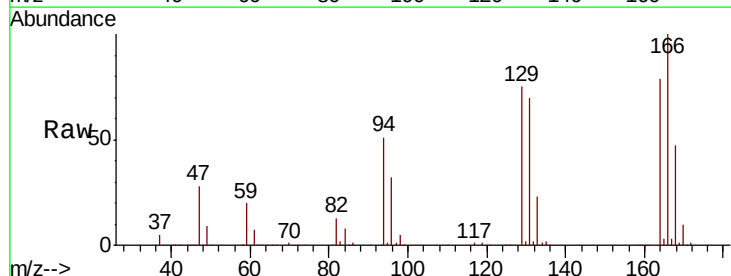
Instrument :
 MSVOA_V
 ClientSampleId :

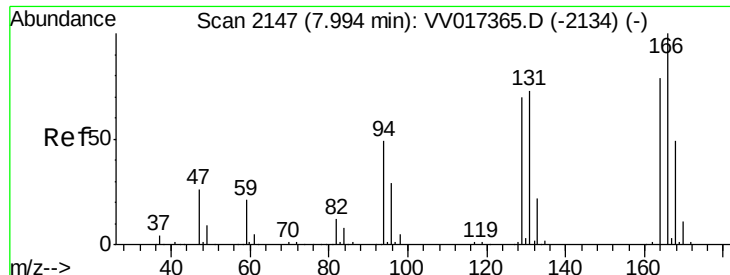
Tot Ion: 63 Resp: 6817
 Ion Ratio Lower Upper
 63 100
 112 0.7 4.4 6.6#



#47
 1,1,2-Trichloroethane
 Concen: 0.544 ug/L
 RT: 7.99 min Scan# 2146
 Delta R.T. 0.13 min
 Lab File: VV017370.D
 Acq: 07 Jul 2020 11:46

Tgt Ion: 97 Resp: 3688
 Ion Ratio Lower Upper
 97 100
 99 12.8 43.6 81.0#
 83 174.4 57.4 106.6#
 85 25.3 38.8 72.0#





#49

Tetrachloroethene

Concen: 41.653 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017370.D

Acq: 07 Jul 2020 11:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 378971

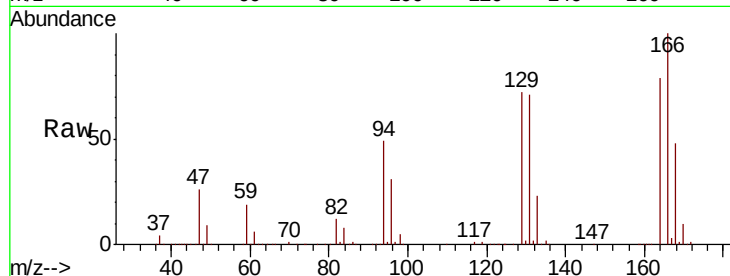
Ion Ratio Lower Upper

164 100

129 91.3 65.2 121.0

131 89.6 64.1 119.1

166 126.8 90.2 167.4

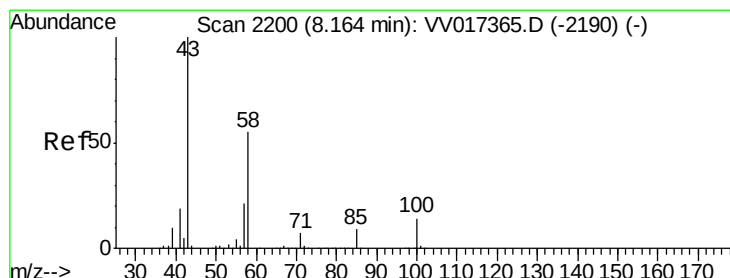
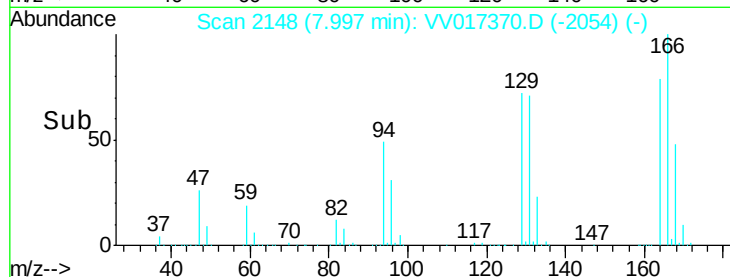
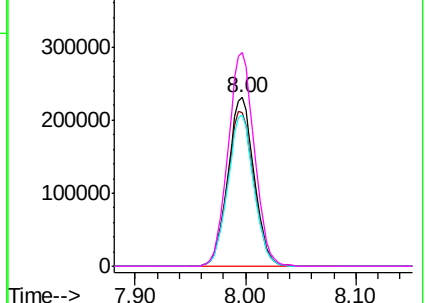


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 1.428 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV017370.D

Acq: 07 Jul 2020 11:46

Tgt Ion: 43 Resp: 5609

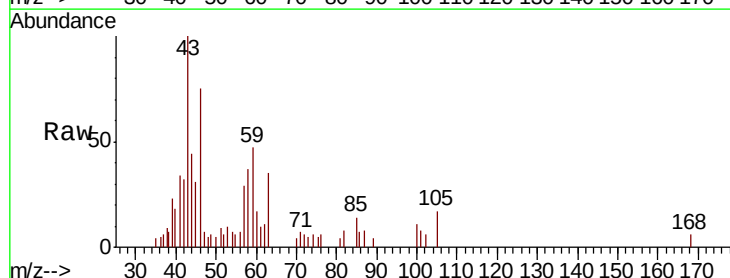
Ion Ratio Lower Upper

43 100

58 47.2 41.6 62.4

57 25.1 15.4 23.0#

100 7.7 10.1 15.1#

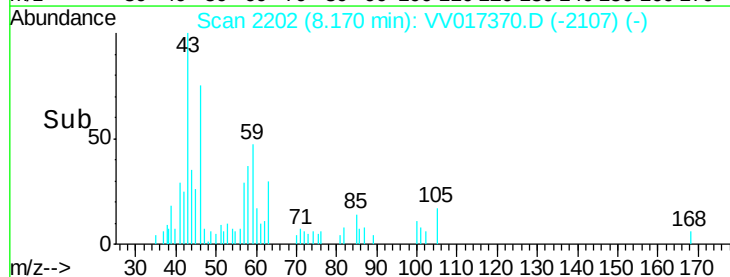
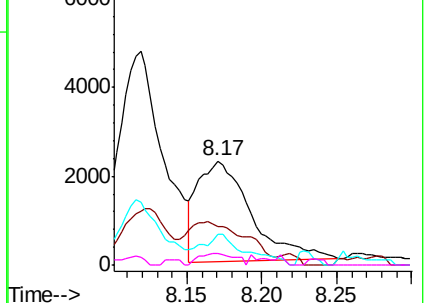


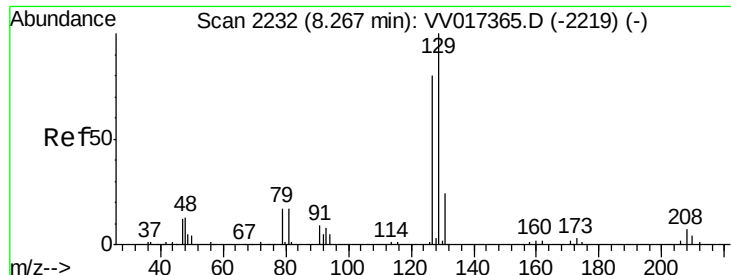
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 41.103 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.27 min
 Lab File: VV017370.D
 Acq: 07 Jul 2020 11:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:129 Resp: 337693
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.1 100.5#

