

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\
 Data File : VV017367.D
 Acq On : 07 Jul 2020 10:34
 Operator : SY/MD
 Sample : L3168-09DL2 1000X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 08 01:33:36 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	167593	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	166325	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	80003	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40944	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.58	69	33916	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.12	63	68655	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	3.96	46	102689	40.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.12%
24) Chloroform-d	4.37	84	99911	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.06	65	55387	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.07	84	182036	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.10	67	51720	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.00%
41) Toluene-d8	7.34	98	165807	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
45) trans-1,3-Dichloropropene-	7.64	79	21895	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
48) 2-Hexanone-d5	8.12	63	69669	33.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.96%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	36294	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	69551	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

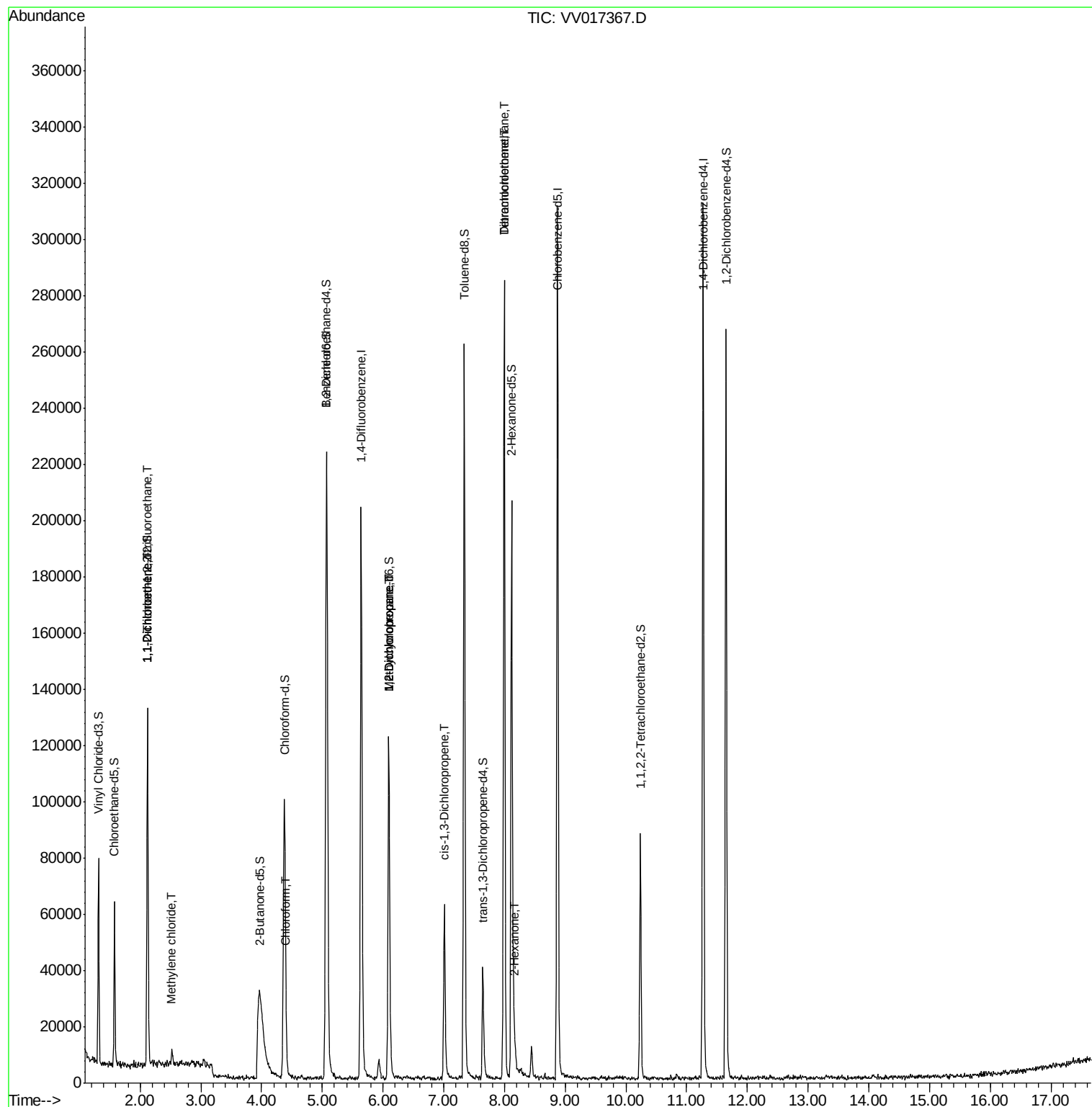
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	842	0.095	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	1022	0.127	ug/L #	1
16) Methylene chloride	2.53	84	1716	0.199	ug/L	98
25) Chloroform	4.41	83	2731	0.131	ug/L	89
35) Methylcyclohexane	6.10	83	15186	0.766	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	7228	0.670	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	1777	0.111	ug/L #	54
49) Tetrachloroethene	8.00	164	62993	6.136	ug/L	97
50) 2-Hexanone	8.17	43	4597	1.038	ug/L #	46
51) Dibromochloromethane	7.99	129	55401	5.976	ug/L #	11

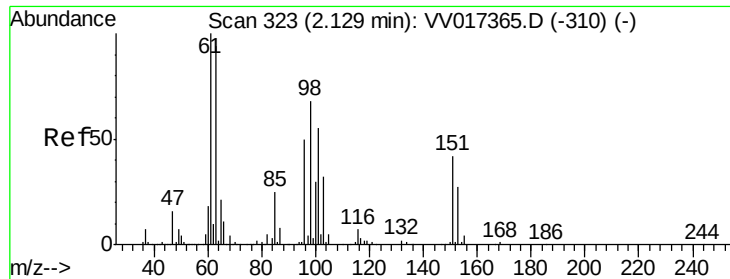
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 0.095 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV017367.D

Acq: 07 Jul 2020 10:34

Instrument :

MSVOA_V

ClientSampled :

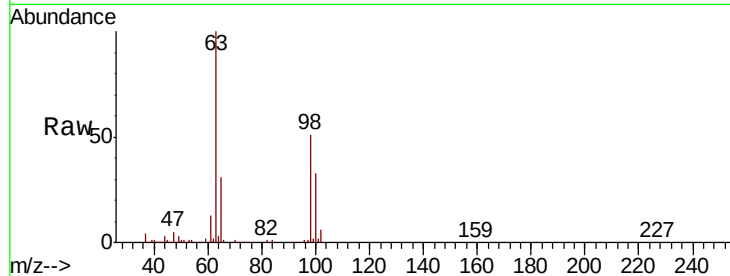
Tot Ion:101 Resp: 842

Ion Ratio Lower Upper

101 100

85 2.4 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

2.12

600

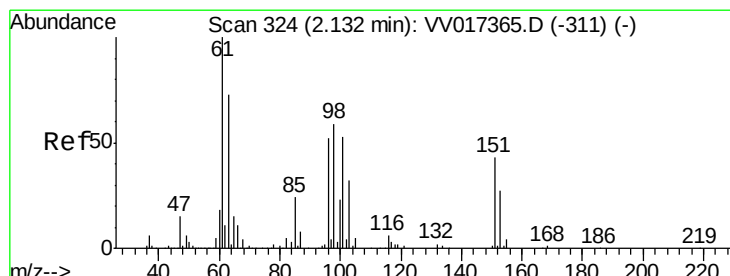
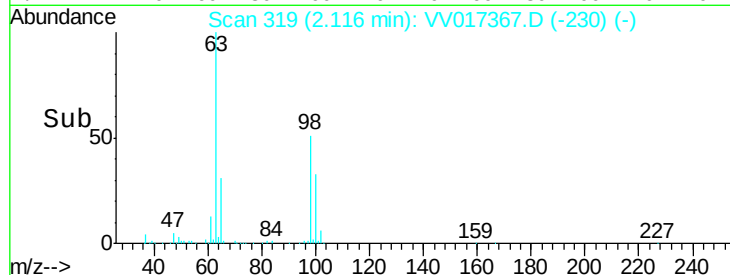
400

200

0

2.08 2.10 2.12 2.14 2.16

Time-->



#12

1,1-Dichloroethene

Concen: 0.127 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017367.D

Acq: 07 Jul 2020 10:34

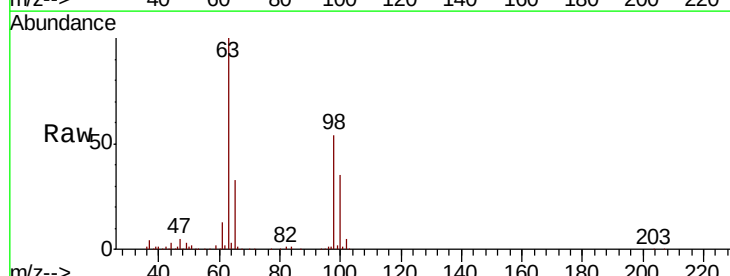
Tgt Ion: 96 Resp: 1022

Ion Ratio Lower Upper

96 100

61 928.4 125.0 232.2#

63 7123.9 109.8 203.8#



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

60000

50000

40000

30000

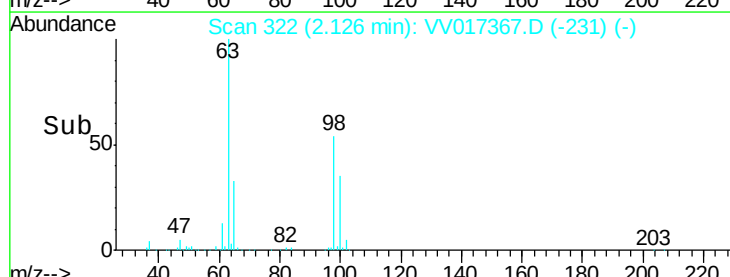
20000

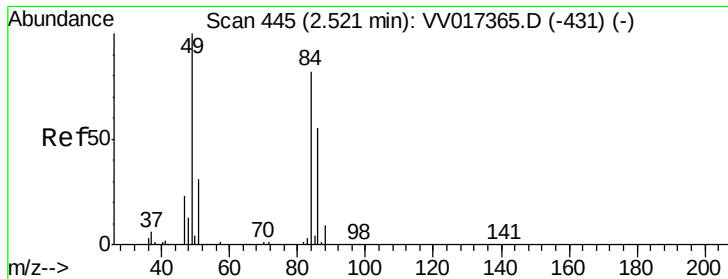
10000

0

2.10 2.15

Time-->

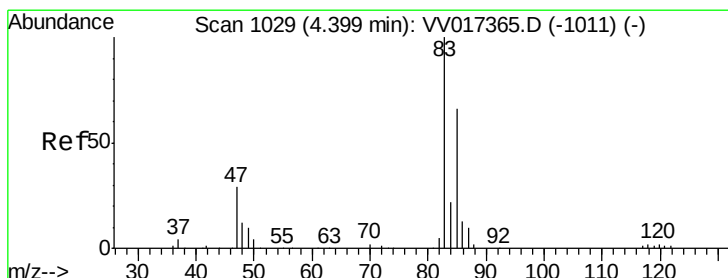
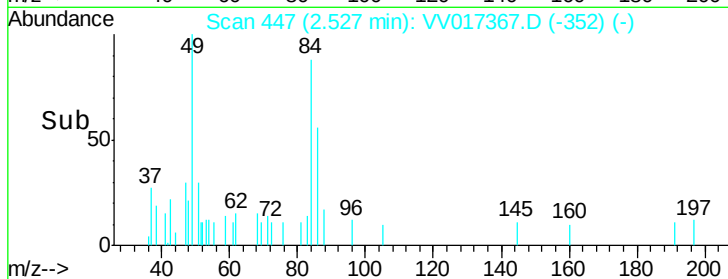
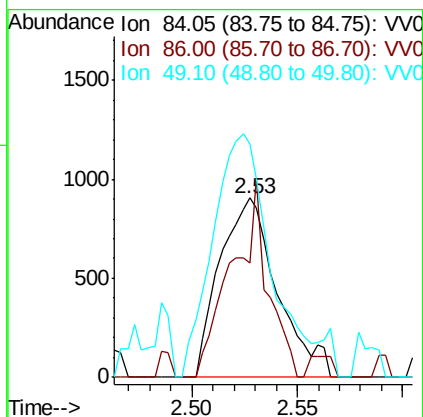
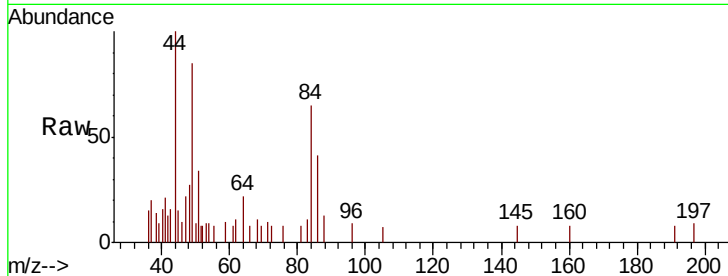




#16
Methylene chloride
Concen: 0.199 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV017367.D
Acq: 07 Jul 2020 10:34

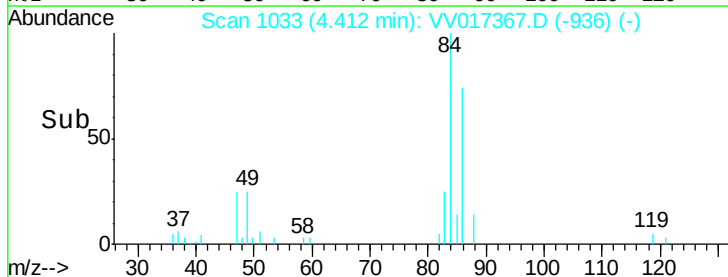
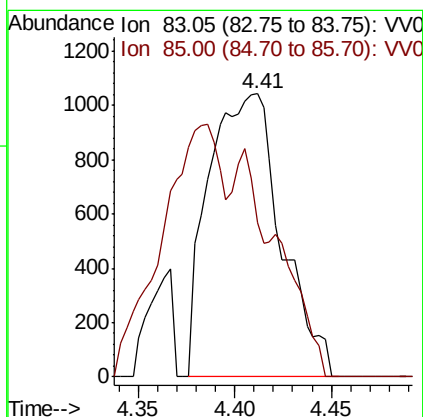
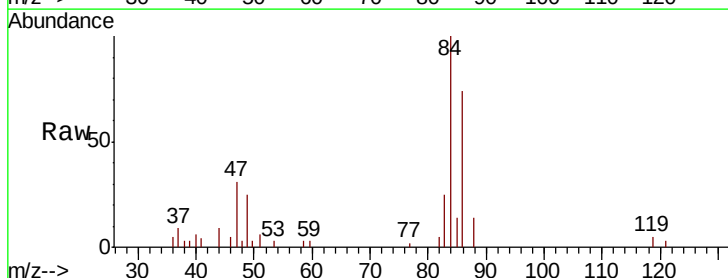
Instrument :
MSVOA_V
ClientSampled :

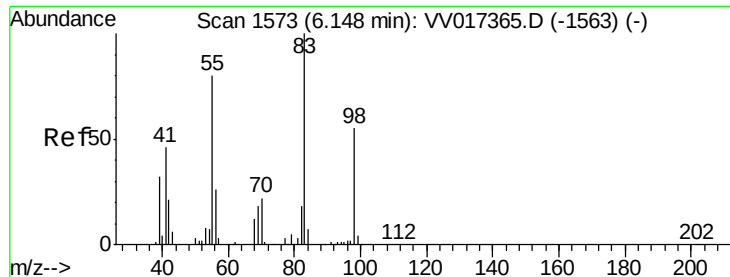
Tot Ion: 84 Resp: 1716
Ion Ratio Lower Upper
84 100
86 63.4 45.8 85.0
49 130.0 89.6 166.4



#25
Chloroform
Concen: 0.131 ug/L
RT: 4.41 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VV017367.D
Acq: 07 Jul 2020 10:34

Tgt Ion: 83 Resp: 2731
Ion Ratio Lower Upper
83 100
85 54.4 44.2 82.2

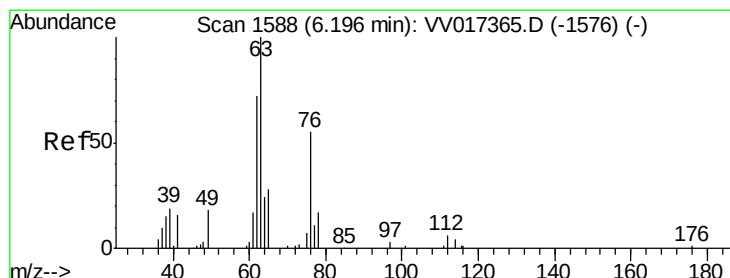
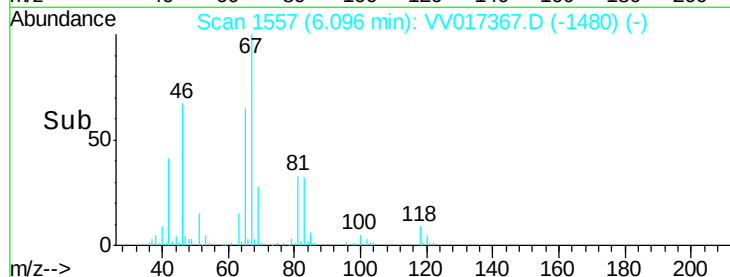
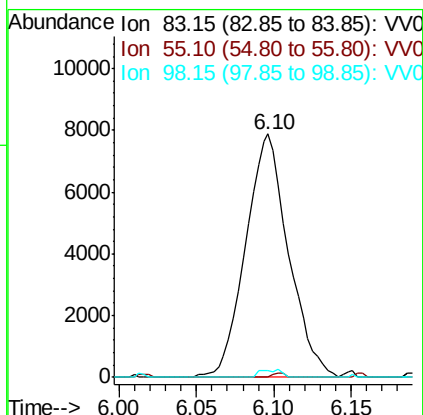
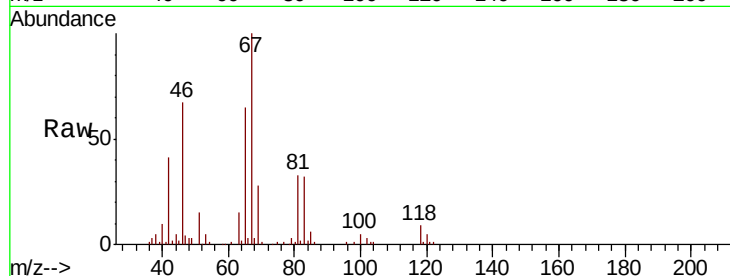




#35
Methylvlcyclohexane
Concen: 0.766 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017367.D
Acq: 07 Jul 2020 10:34

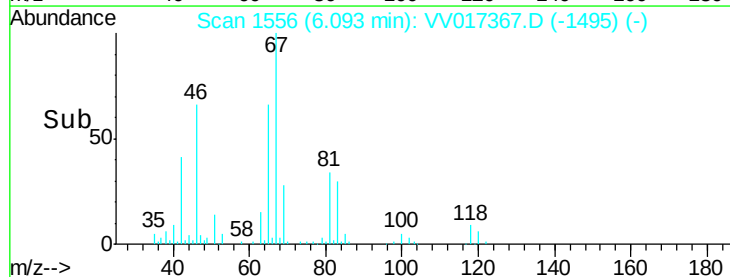
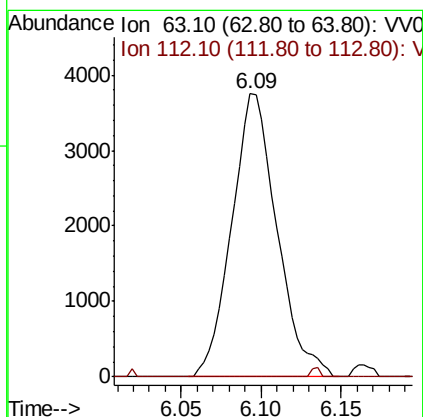
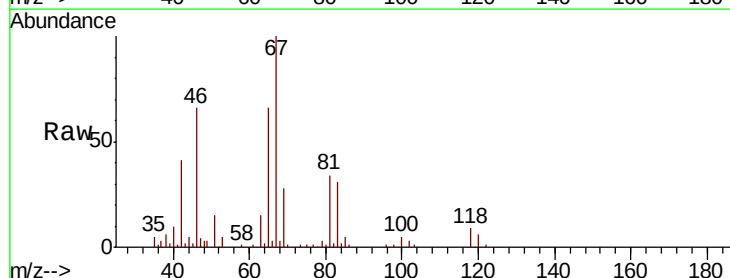
Instrument :
MSVOA_V
ClientSampled :

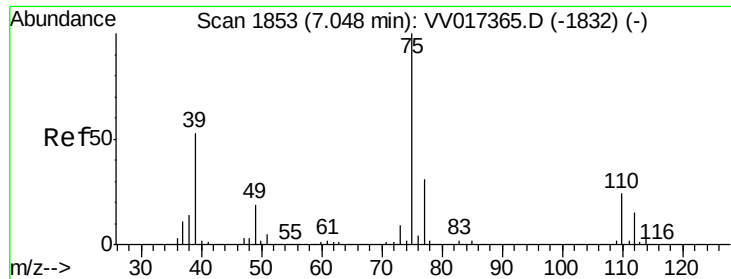
Tot Ion	83	Resp	15186
Ion Ratio	Lower	Upper	
83	100		
55	0.5	63.6	95.4#
98	1.5	38.8	58.2#



#37
1,2-Dichloropropane
Concen: 0.670 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017367.D
Acq: 07 Jul 2020 10:34

Tgt Ion	63	Resp	7228
Ion Ratio	Lower	Upper	
63	100		
112	0.6	4.4	6.6#

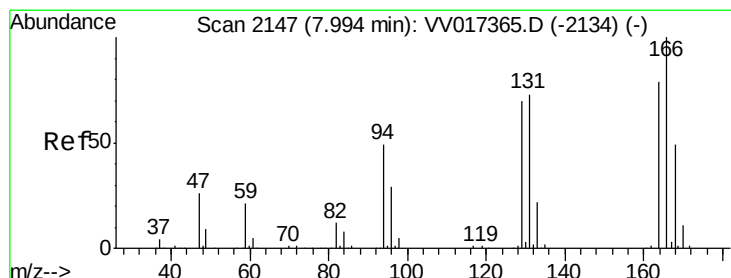
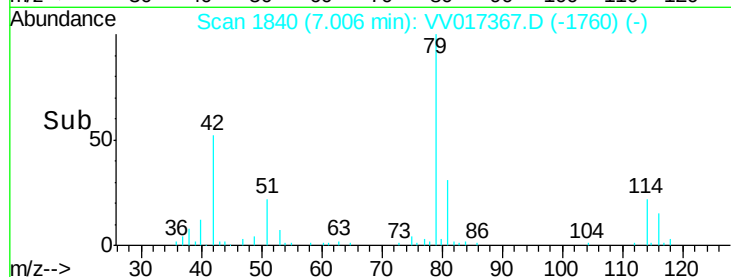
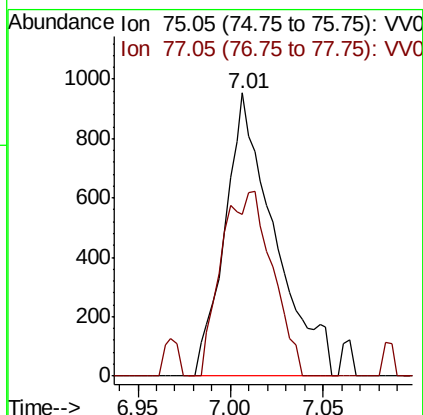
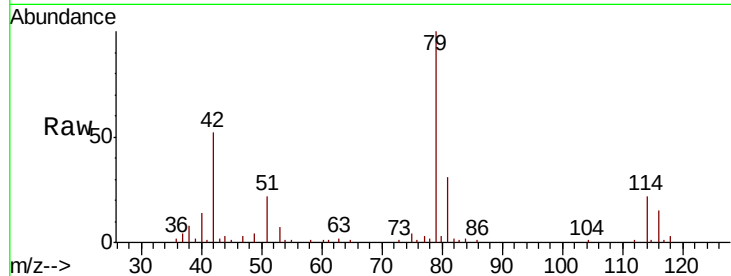




#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017367.D
 Acq: 07 Jul 2020 10:34

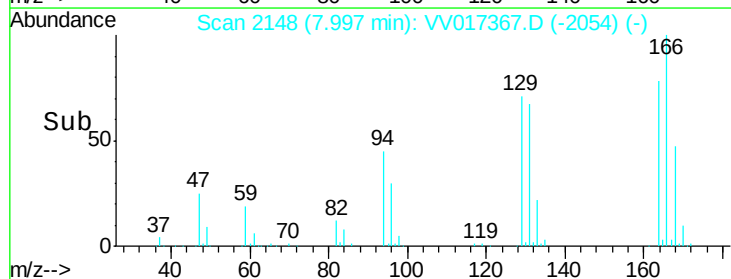
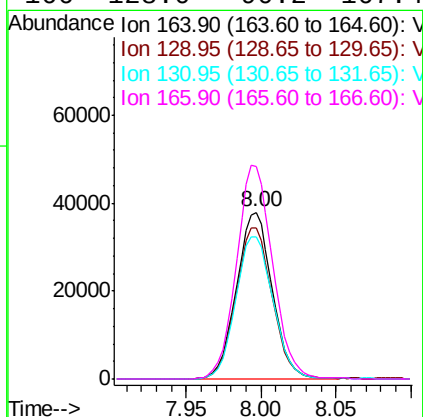
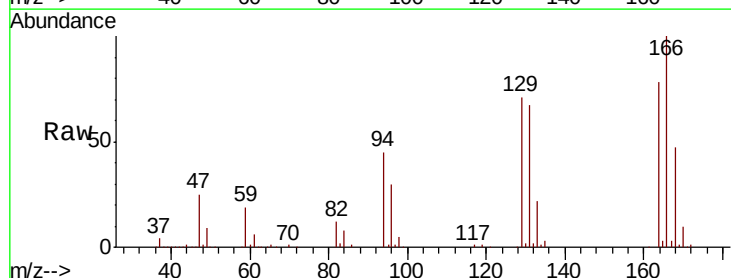
Instrument :
 MSVOA_V
 ClientSampled :

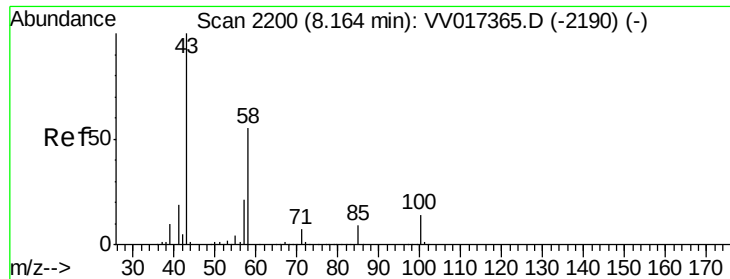
Tot Ion: 75 Resp: 1777
 Ion Ratio Lower Upper
 75 100
 77 57.3 22.3 41.5#



#49
 Tetrachloroethene
 Concen: 6.136 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017367.D
 Acq: 07 Jul 2020 10:34

Tgt Ion:164 Resp: 62993
 Ion Ratio Lower Upper
 164 100
 129 90.8 65.2 121.0
 131 85.8 64.1 119.1
 166 128.0 90.2 167.4

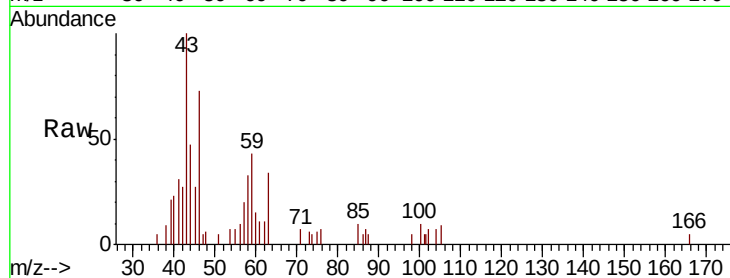




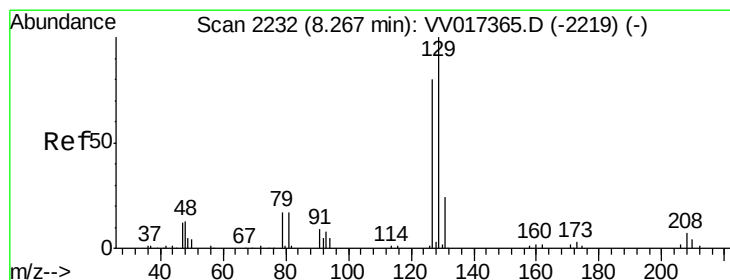
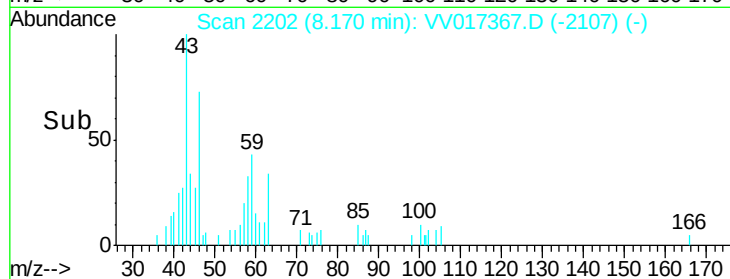
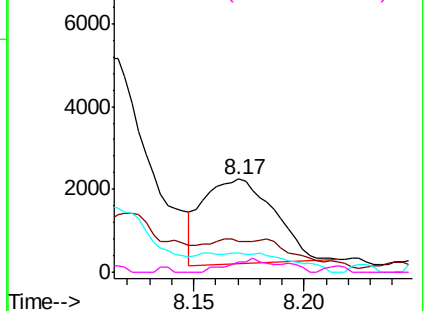
#50
2-Hexanone
Concen: 1.038 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV017367.D
Acq: 07 Jul 2020 10:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4597
Ion Ratio Lower Upper
43 100
58 2.6 41.6 62.4#
57 0.0 15.4 23.0#
100 11.7 10.1 15.1

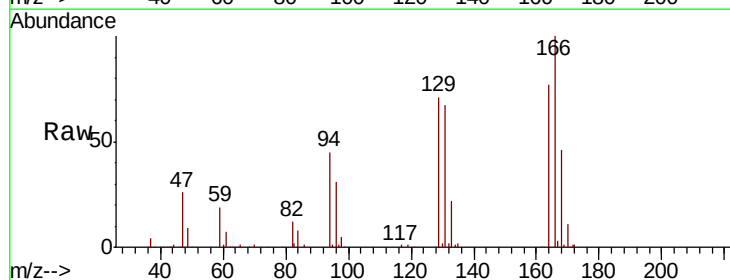


Abundance Ion 43.05 (42.75 to 43.75): VV017367.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV017367.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV017367.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV017367.D (-2190) (-)



#51
Dibromochloromethane
Concen: 5.976 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.27 min
Lab File: VV017367.D
Acq: 07 Jul 2020 10:34

Tgt Ion: 129 Resp: 55401
Ion Ratio Lower Upper
129 100
127 0.6 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): VV017367.D (-2219) (-)
Ion 126.90 (126.60 to 127.60): VV017367.D (-2219) (-)

