

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015548.D
 Acq On : 17 Apr 2020 12:29
 Operator : SY/MD
 Sample : L2320-03DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:39:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	97610	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	92051	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	46871	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23898	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.58	69	23440	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.12	63	36346	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	3.93	46	76076	53.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.00%
24) Chloroform-d	4.38	84	53659	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.06	65	31325	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.07	84	104459	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.10	67	32952	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.34	98	94148	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.65	79	13202	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.11	63	62870	47.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.26%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	22255	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	35288	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	8420	0.872 ug/L	95
9) Trichlorofluoromethane	1.76	101	816	0.072 ug/L	100
12) 1,1-Dichloroethene	2.12	96	768	0.125 ug/L #	1
16) Methylene chloride	2.52	84	1838	0.256 ug/L	92
17) Methyl tert-butyl Ether	2.79	73	2803	0.171 ug/L #	86
22) cis-1,2-Dichloroethene	3.94	96	3266	0.456 ug/L	92
25) Chloroform	4.41	83	2482	0.186 ug/L	97
34) Trichloroethene	5.94	95	80417	10.844 ug/L	99
35) Methylcyclohexane	6.10	83	8448	0.676 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	3974	0.582 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1077	0.103 ug/L #	65
44) trans-1,3-Dichloropropene	7.65	75	662	0.075 ug/L #	63
45) 1,1,2-Trichloroethane	7.99	97	753	0.164 ug/L #	1
47) Tetrachloroethene	8.00	164	65727	11.963 ug/L	98
48) 2-Hexanone	8.11	43	8911	2.842 ug/L #	73
49) Dibromochloromethane	8.00	129	63614	11.562 ug/L #	10

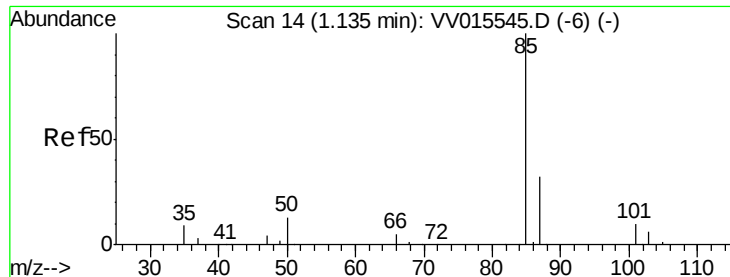
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
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QLast Update : Sat Apr 18 00:37:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 0.872 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015548.D

Acq: 17 Apr 2020 12:29

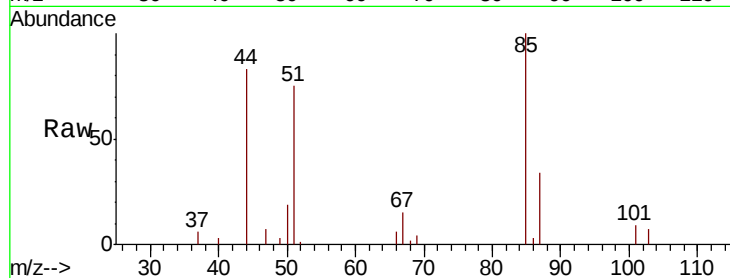
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 8420

Ion Ratio Lower Upper

85 100

87 34.1 25.3 37.9

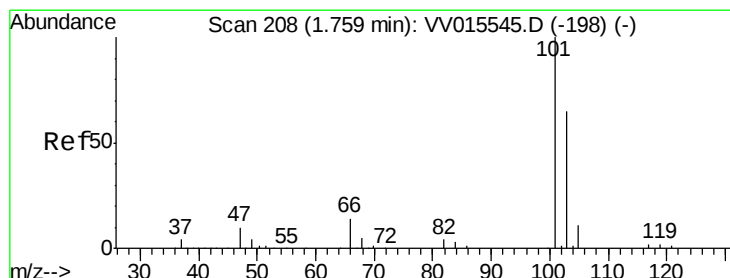
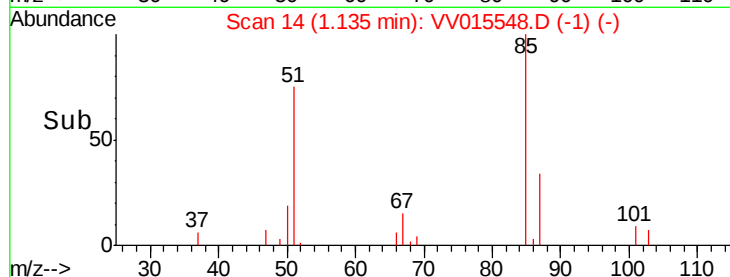


Abundance Ion 85.00 (84.70 to 85.70): VV015548.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015548.D (-6) (-)

1.14

Time-->



#9

Trichlorofluoromethane

Concen: 0.072 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015548.D

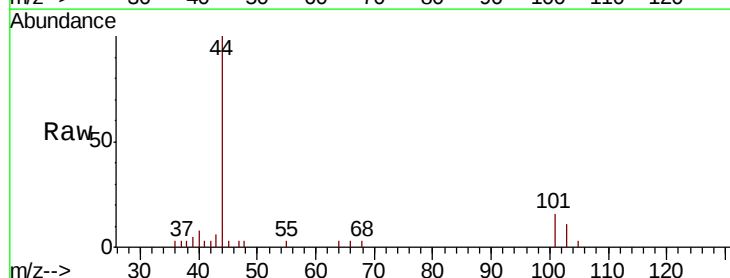
Acq: 17 Apr 2020 12:29

Tgt Ion:101 Resp: 816

Ion Ratio Lower Upper

101 100

103 65.1 51.9 77.9

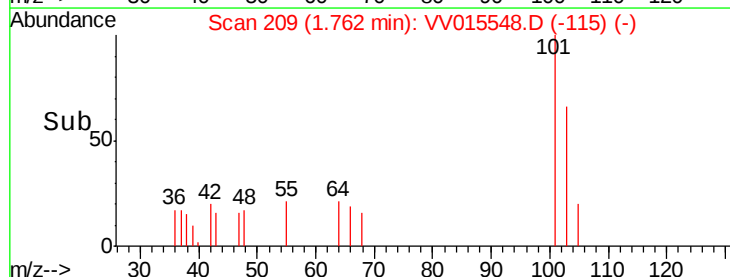


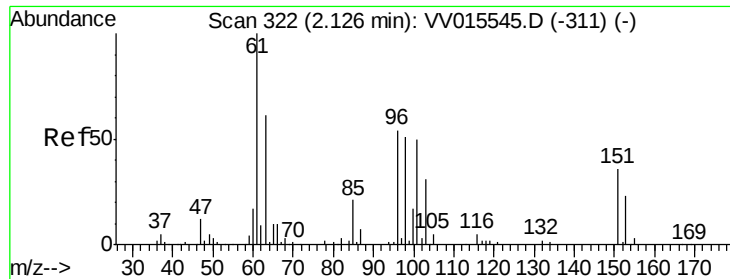
Abundance Ion 101.00 (100.70 to 101.70): VV015548.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015548.D (-198) (-)

1.76

Time-->

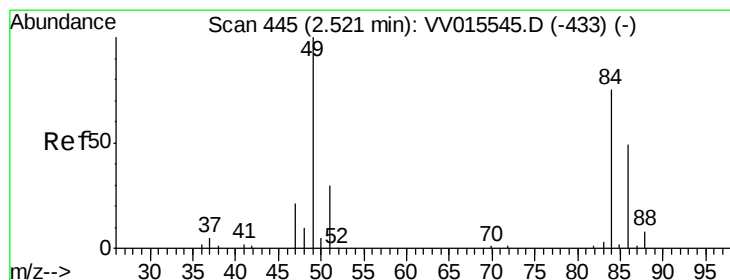
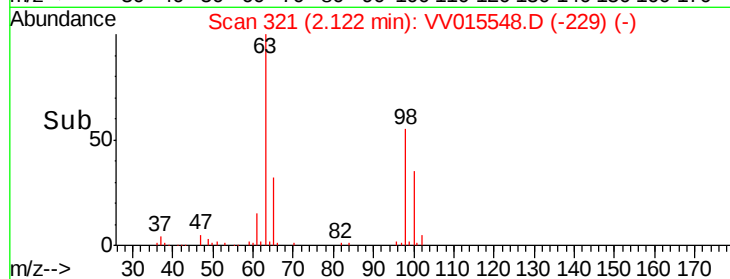
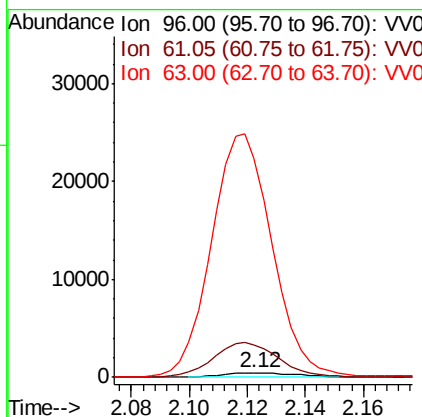
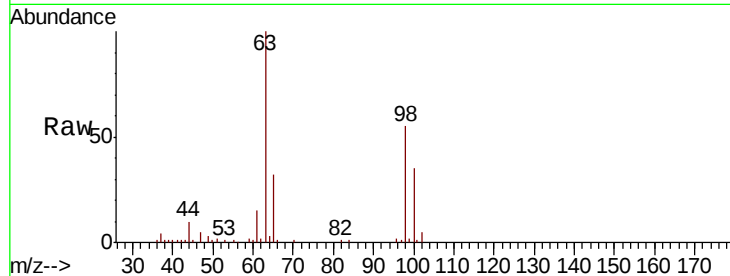




#12
 1,1-Dichloroethene
 Concen: 0.125 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VV015548.D
 Acq: 17 Apr 2020 12:29

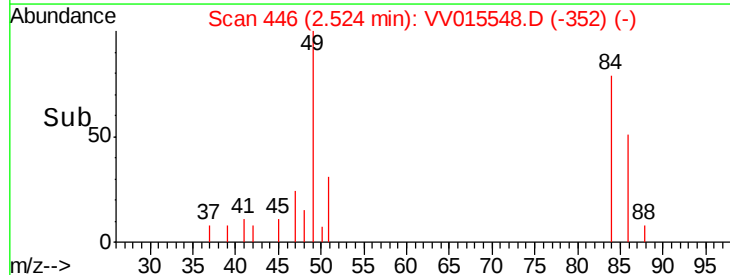
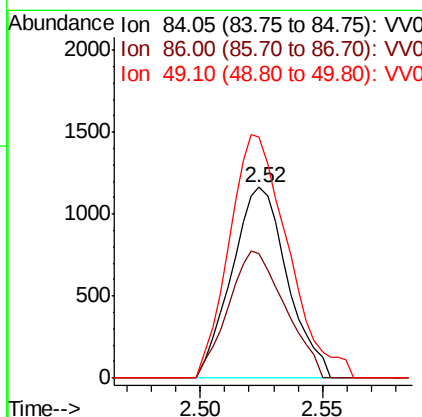
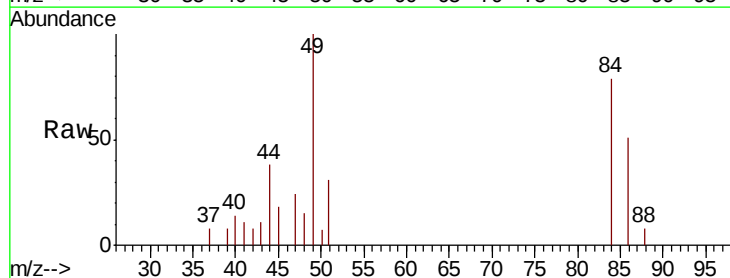
Instrument :
 MSVOA_V
 ClientSampleId :

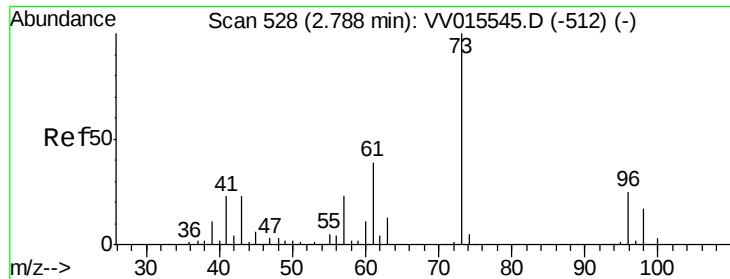
Tot Ion: 96 Resp: 768
 Ion Ratio Lower Upper
 96 100
 61 743.4 127.7 237.1#
 63 4987.1 75.1 139.5#



#16
 Methylene chloride
 Concen: 0.256 ug/L
 RT: 2.52 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: VV015548.D
 Acq: 17 Apr 2020 12:29

Tgt Ion: 84 Resp: 1838
 Ion Ratio Lower Upper
 84 100
 86 65.2 45.1 83.7
 49 126.7 97.9 181.7

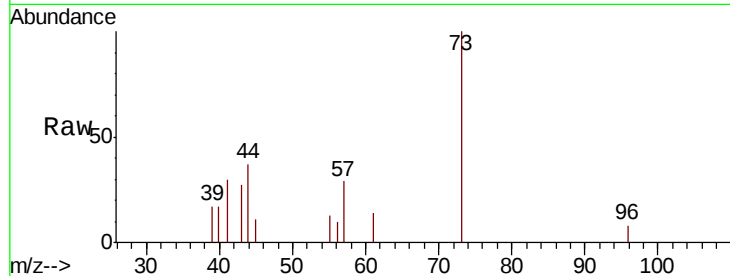




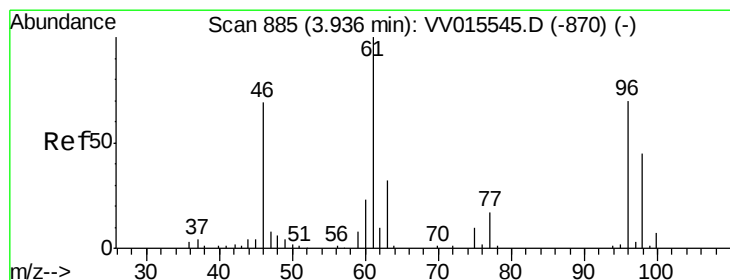
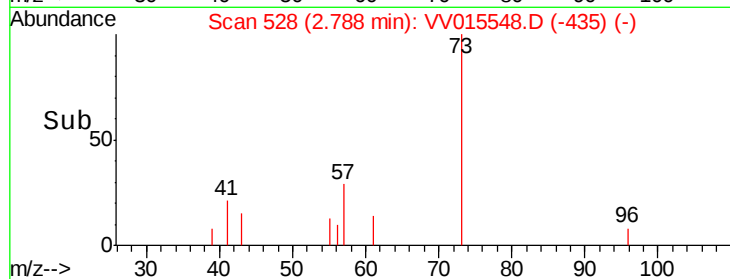
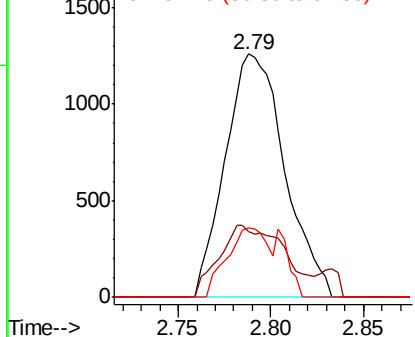
#17
Methvl tert-butvl Ether
Concen: 0.171 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV015548.D
Acq: 17 Apr 2020 12:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 2803
Ion Ratio Lower Upper
73 100
43 32.9 18.3 27.5#
57 19.7 18.4 27.6

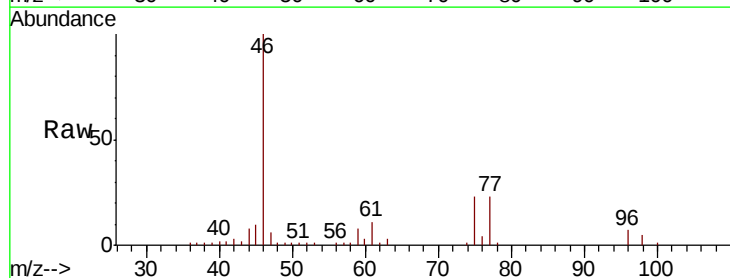


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

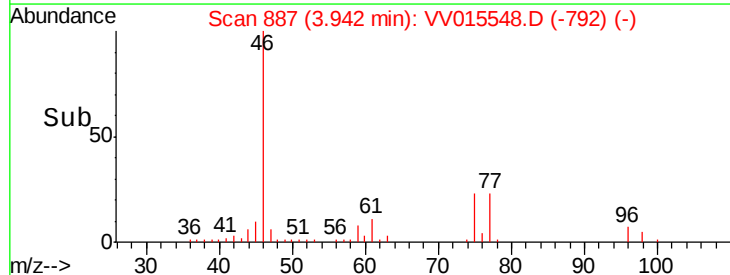
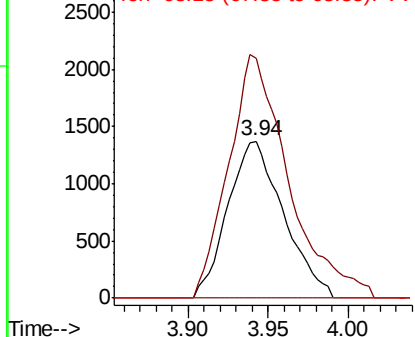


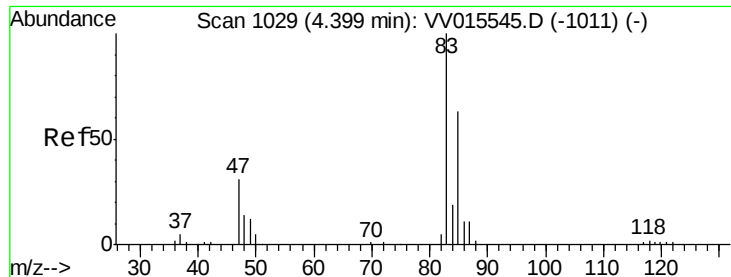
#22
cis-1,2-Dichloroethene
Concen: 0.456 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV015548.D
Acq: 17 Apr 2020 12:29

Tgt Ion: 96 Resp: 3266
Ion Ratio Lower Upper
96 100
61 152.9 100.0 185.8
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0

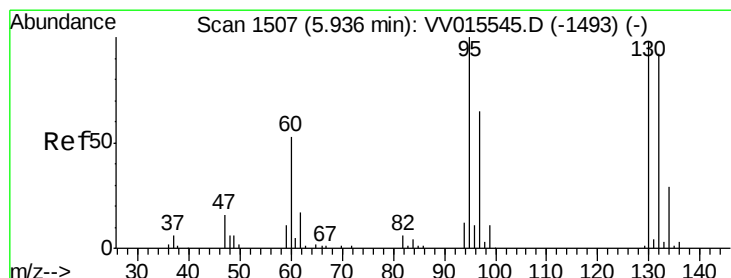
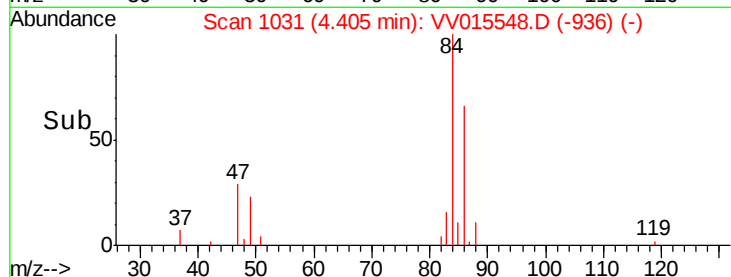
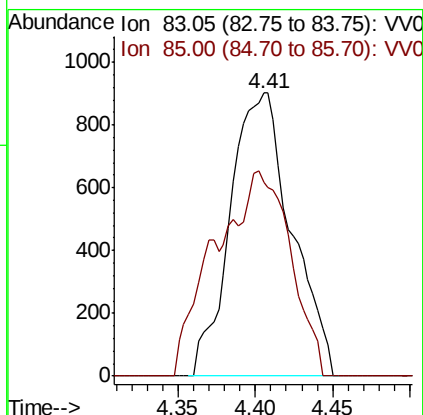
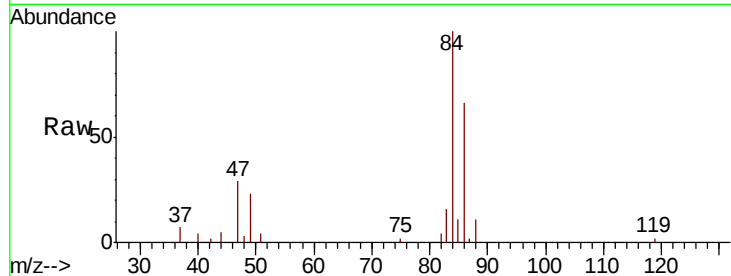




#25
Chloroform
Concen: 0.186 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015548.D
Acq: 17 Apr 2020 12:29

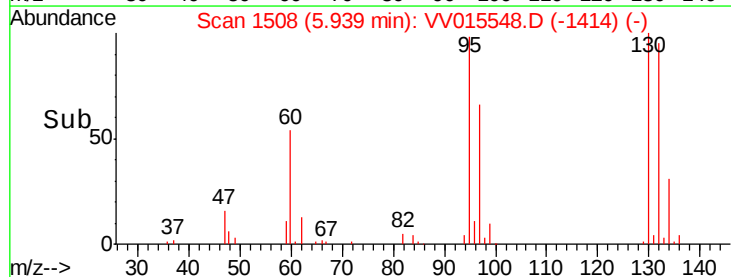
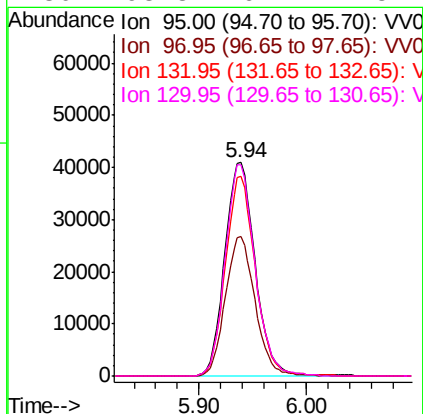
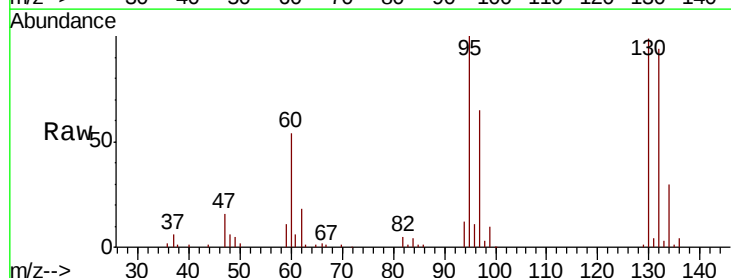
Instrument :
MSVOA_V
ClientSampleId :

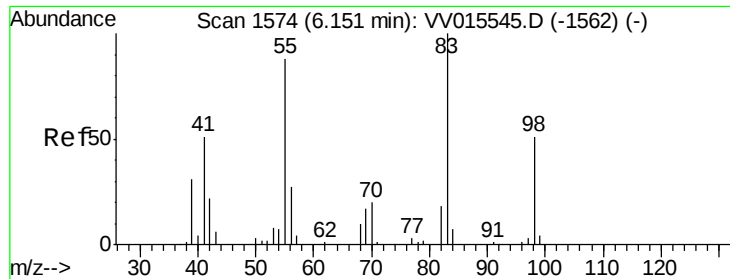
Tot Ion: 83 Resp: 2482
Ion Ratio Lower Upper
83 100
85 68.3 45.9 85.3



#34
Trichloroethene
Concen: 10.844 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV015548.D
Acq: 17 Apr 2020 12:29

Tgt Ion: 95 Resp: 80417
Ion Ratio Lower Upper
95 100
97 65.3 45.4 84.4
132 93.7 64.8 120.4
130 98.8 67.4 125.2

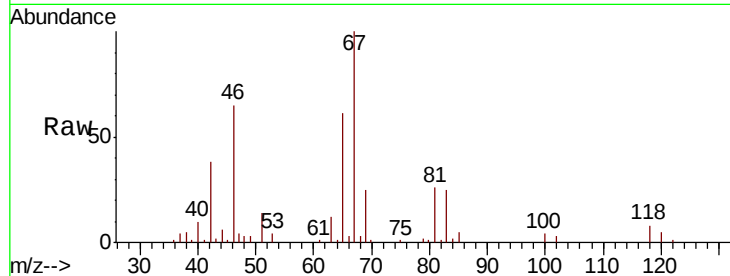




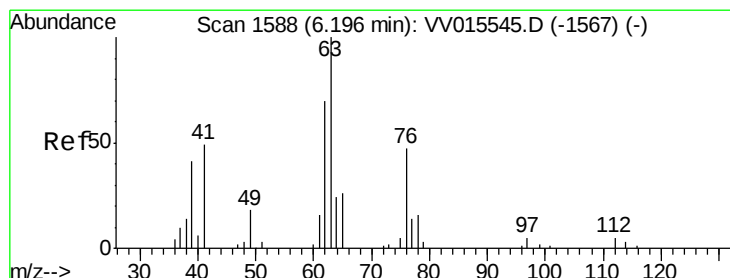
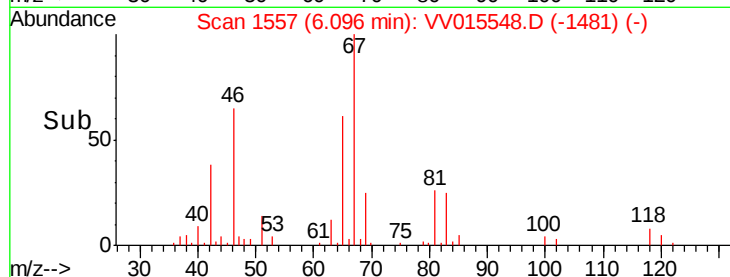
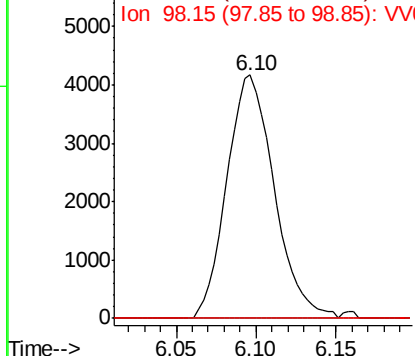
#35
Methvlcvclohexane
Concen: 0.676 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015548.D
Acq: 17 Apr 2020 12:29

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 8448
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 1.2 38.7 58.1#

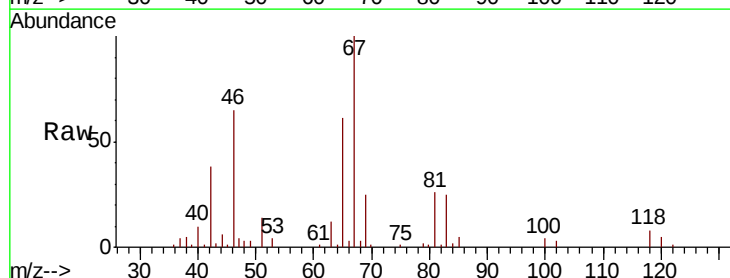


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

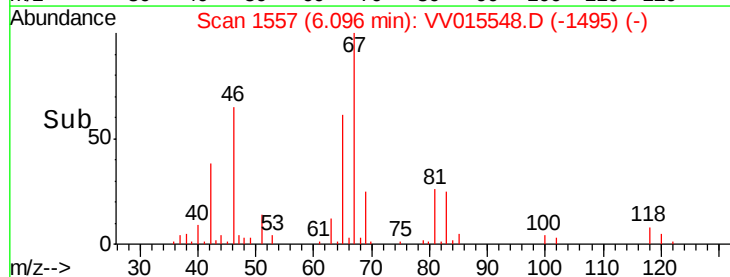
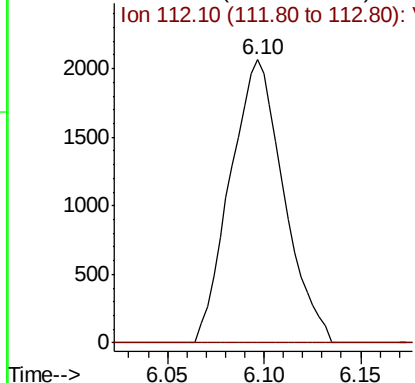


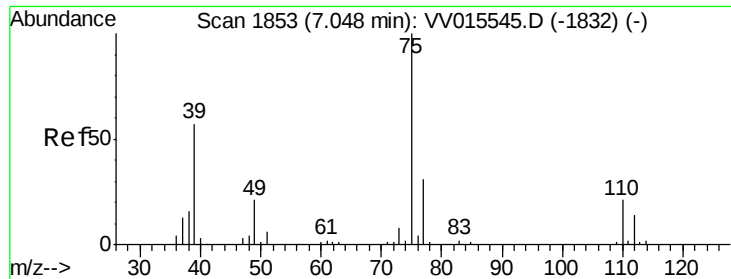
#37
1,2-Dichloropropane
Concen: 0.582 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015548.D
Acq: 17 Apr 2020 12:29

Tgt Ion: 63 Resp: 3974
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

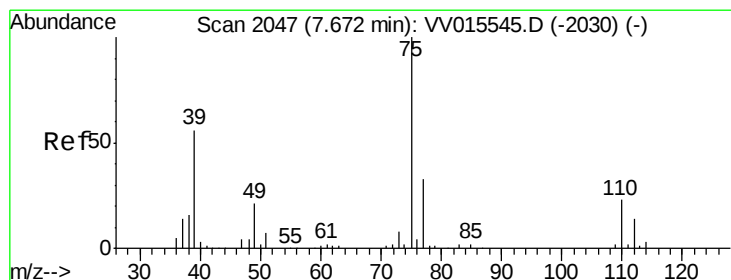
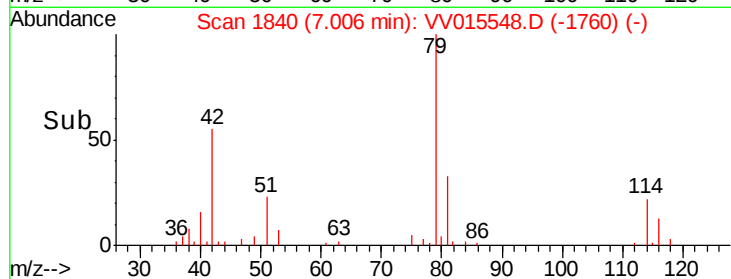
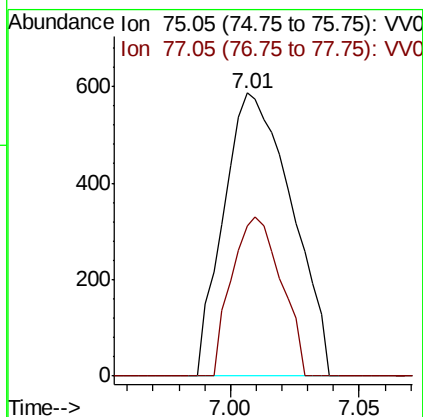
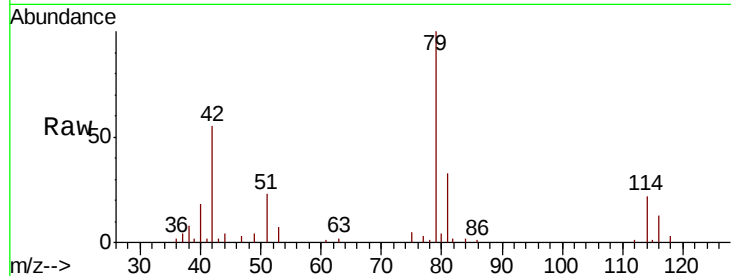




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015548.D
 Acq: 17 Apr 2020 12:29

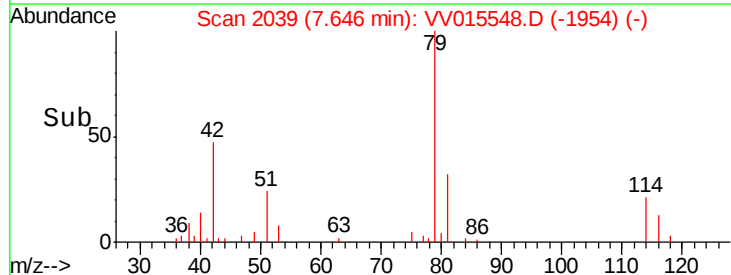
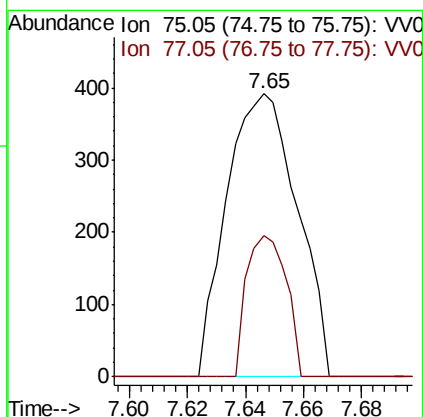
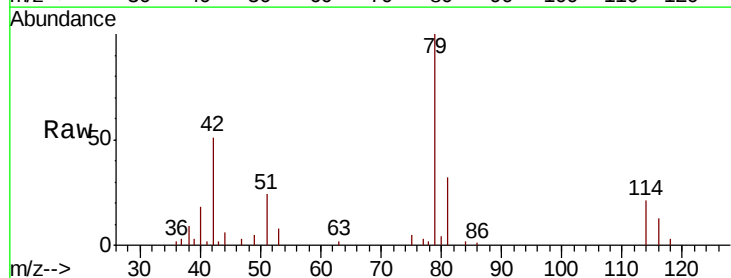
Instrument :
 MSVOA_V
 ClientSampleId :

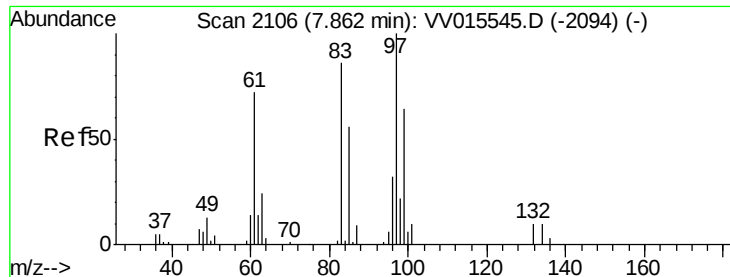
Tot Ion: 75 Resp: 1077
 Ion Ratio Lower Upper
 75 100
 77 52.8 23.0 42.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV015548.D
 Acq: 17 Apr 2020 12:29

Tgt Ion: 75 Resp: 662
 Ion Ratio Lower Upper
 75 100
 77 50.0 21.0 39.0#

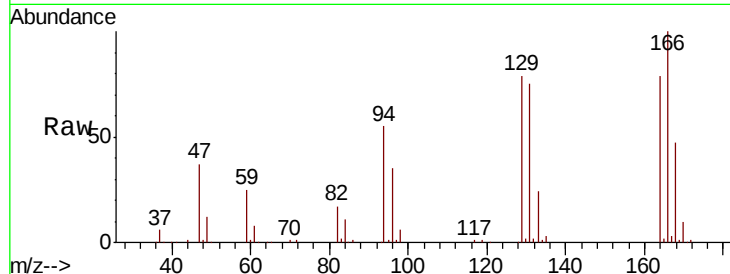




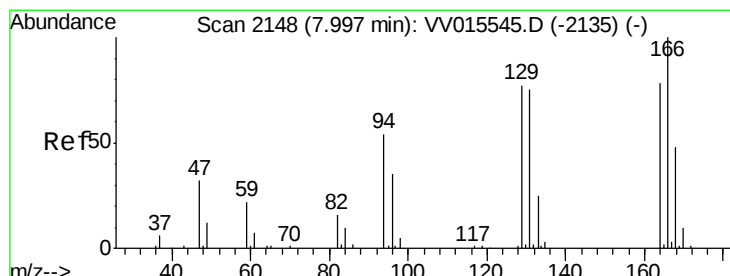
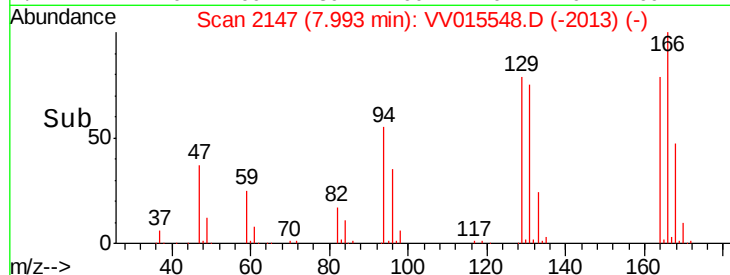
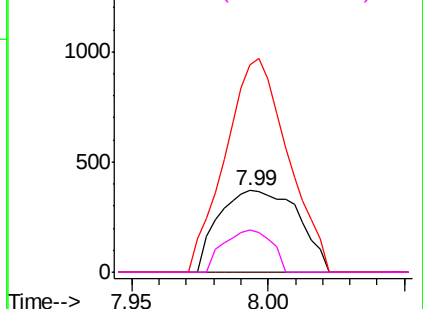
#45
1,1,2-Trichloroethane
Concen: 0.164 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. 0.13 min
Lab File: VV015548.D
Acq: 17 Apr 2020 12:29

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 753
Ion Ratio Lower Upper
97 100
99 0.0 41.3 76.7#
83 254.9 60.5 112.3#
85 51.4 36.8 68.4

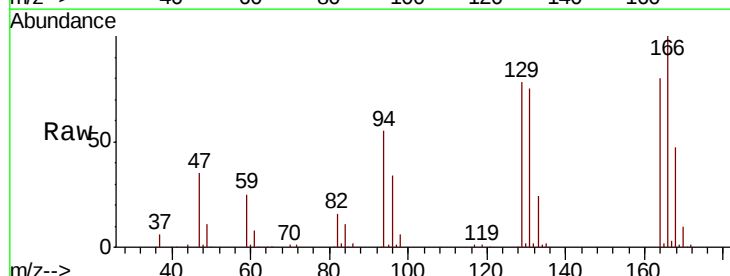


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

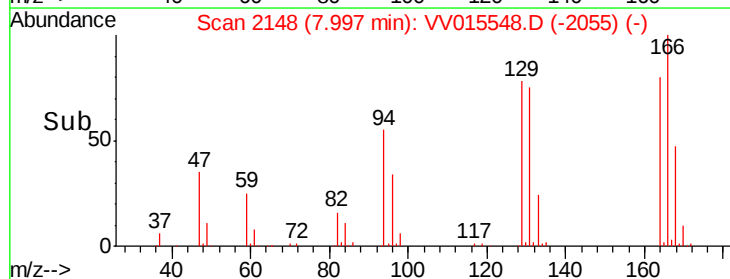
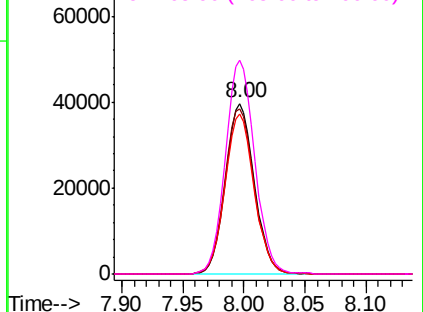


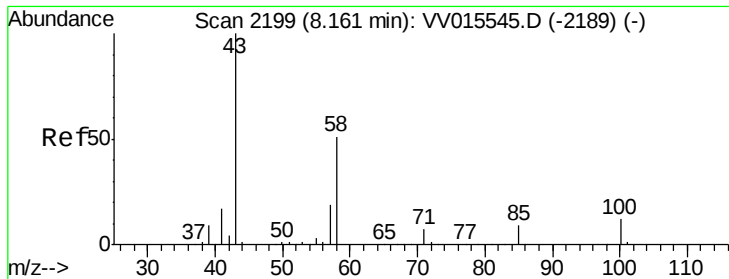
#47
Tetrachloroethene
Concen: 11.963 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015548.D
Acq: 17 Apr 2020 12:29

Tgt Ion:164 Resp: 65727
Ion Ratio Lower Upper
164 100
129 97.2 70.6 131.0
131 94.2 68.3 126.8
166 125.3 88.3 163.9



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





#48

2-Hexanone

Concen: 2.842 ug/L

RT: 8.11 min Scan# 2184

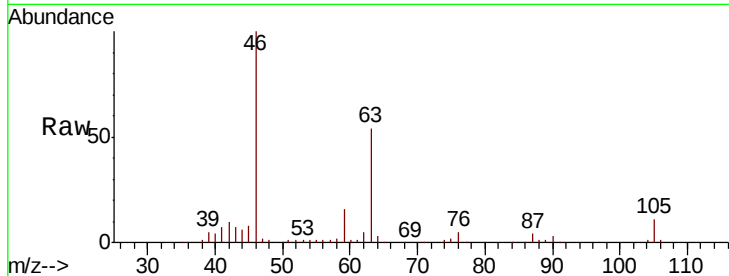
Delta R.T. -0.05 min

Lab File: VV015548.D

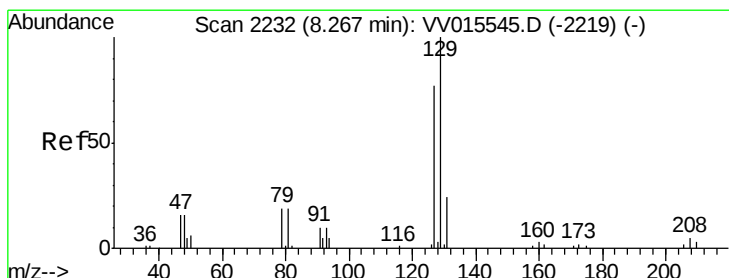
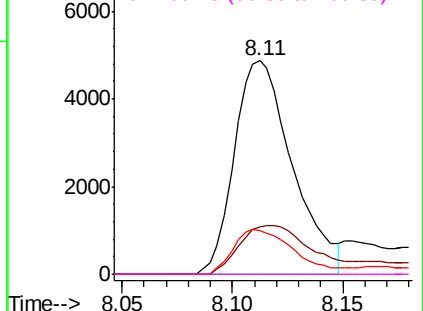
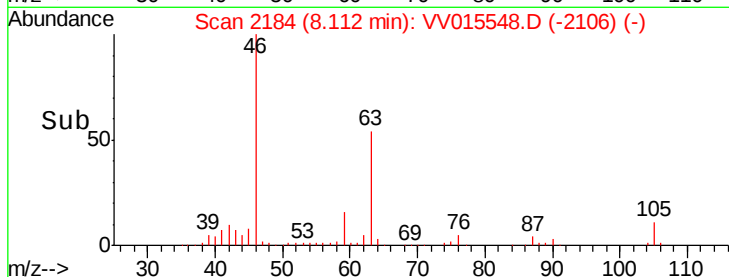
Acq: 17 Apr 2020 12:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	8911
Ion	Ratio	Lower	Upper
43	100		
58	27.6	41.4	62.0#
57	21.3	15.0	22.4
100	0.0	9.4	14.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015545.D (-2189) (-)



#49

Dibromochloromethane

Concen: 11.562 ug/L

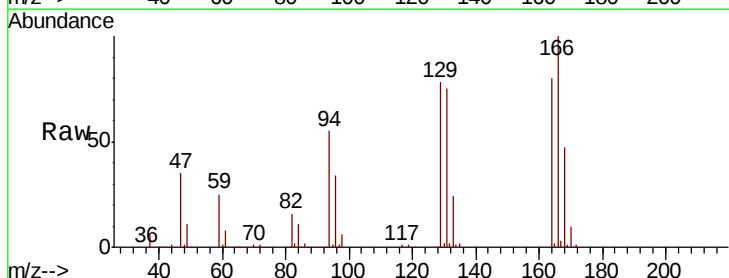
RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015548.D

Acq: 17 Apr 2020 12:29

Tgt Ion:	129	Resp:	63614
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#



Abundance Ion 128.95 (128.65 to 129.65): VV015545.D (-2219) (-)

