

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016044.D
 Acq On : 13 May 2020 16:29
 Operator : SY/MD
 Sample : L2542-22
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:30:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 02:25:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	149421	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	149853	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	66852	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46403	5.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.40%
7) Chloroethane-d5	1.58	69	43645	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.60%
11) 1,1-Dichloroethene-d2	2.13	63	69049	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	3.94	46	120156	51.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.92%
24) Chloroform-d	4.38	84	92949	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.06	65	51452	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.08	84	179638	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.10	67	55264	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.34	98	160651	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
45) trans-1,3-Dichloropropene-	7.65	79	17368	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
48) 2-Hexanone-d5	8.12	63	91408	48.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.42%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38626	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	57241	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	6418	0.561	ug/L	95
3) Chloromethane	1.14	50	21986	1.897	ug/L #	74
8) Chloroethane	1.60	64	892	0.113	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	664	0.077	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	700	0.085	ug/L #	1
13) Acetone	2.22	43	3328	2.182	ug/L	67
17) Methyl tert-butyl Ether	2.79	73	3937	0.184	ug/L	94
19) 1,1-Dichloroethane	3.21	63	1083	0.062	ug/L #	83
25) Chloroform	4.40	83	4632	0.240	ug/L	98
35) Methylcyclohexane	6.10	83	13803	0.848	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	7031	0.734	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1389	0.103	ug/L #	51
47) 1,1,2-Trichloroethane	8.00	97	1399	0.219	ug/L #	22
49) Tetrachloroethene	8.00	164	121359	16.163	ug/L	99
50) 2-Hexanone	8.12	43	15417	3.652	ug/L #	82
51) Dibromochloromethane	8.00	129	117760	16.384	ug/L #	9

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 14 02:25:38 2020
Response via : Initial Calibration

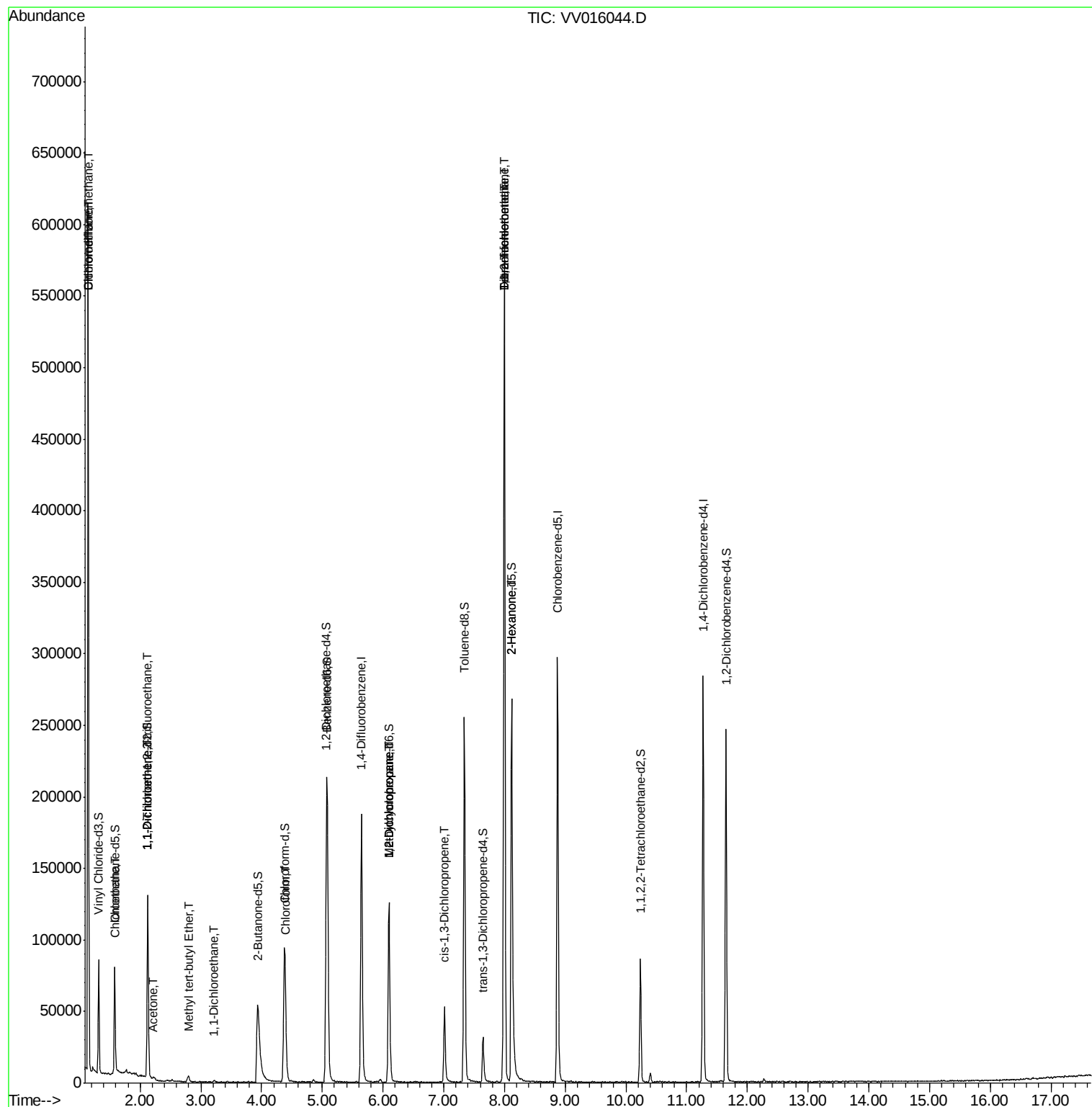
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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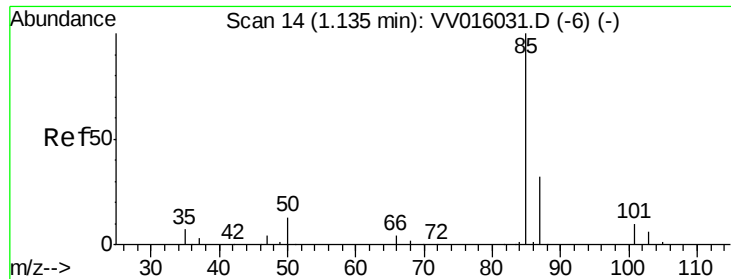
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.561 ug/L

RT: 1.14 min Scan# 17

Delta R.T. 0.01 min

Lab File: VV016044.D

Acq: 13 May 2020 16:29

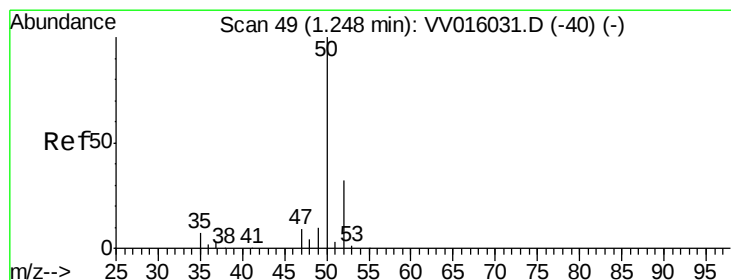
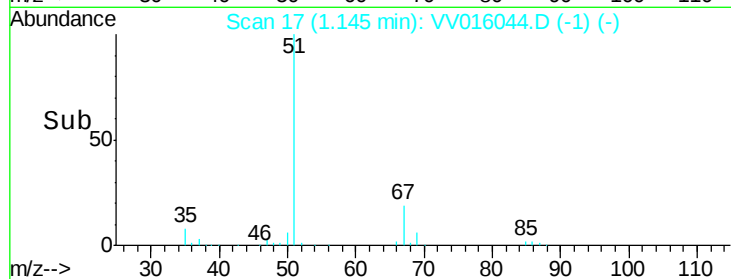
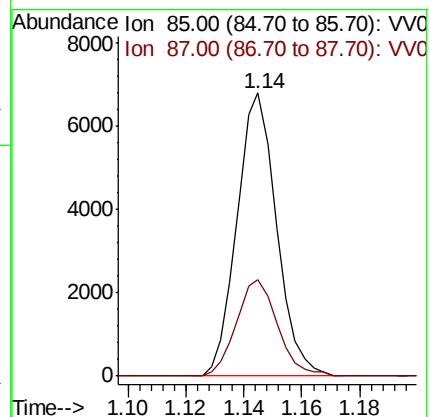
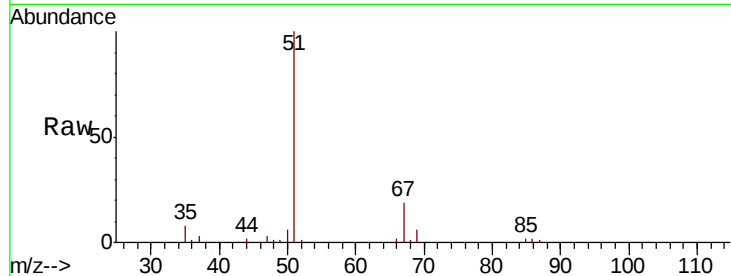
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 6418

Ion Ratio Lower Upper

85 100

87 35.6 26.4 39.6



#3

Chloromethane

Concen: 1.897 ug/L

RT: 1.14 min Scan# 17

Delta R.T. -0.10 min

Lab File: VV016044.D

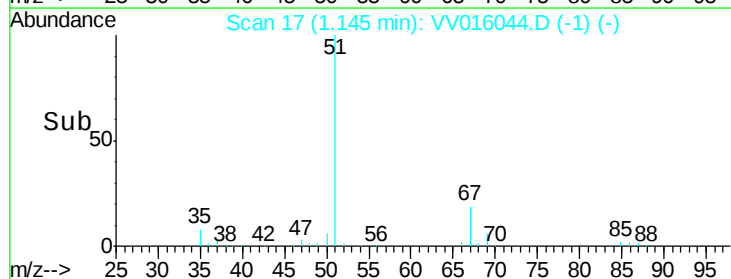
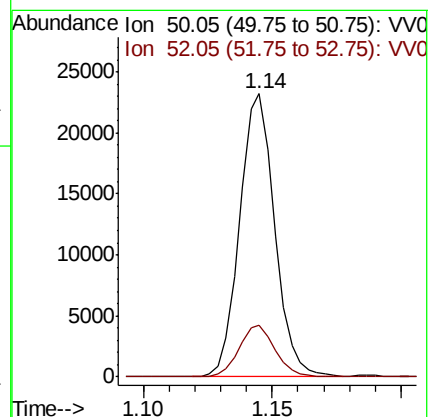
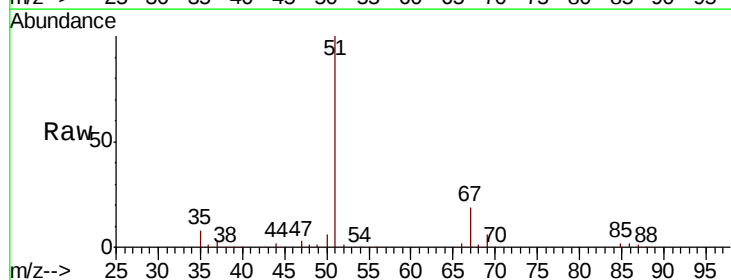
Acq: 13 May 2020 16:29

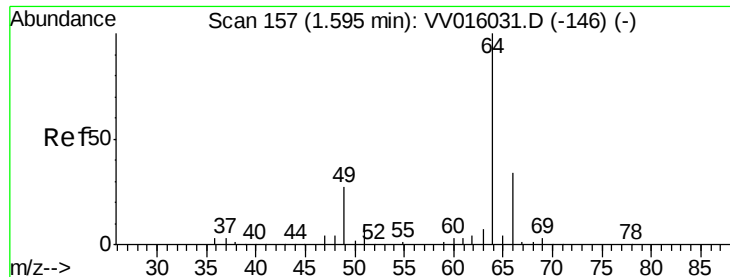
Tgt Ion: 50 Resp: 21986

Ion Ratio Lower Upper

50 100

52 18.1 22.8 42.4#





#8

Chloroethane

Concen: 0.113 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV016044.D

Acq: 13 May 2020 16:29

Instrument :

MSVOA_V

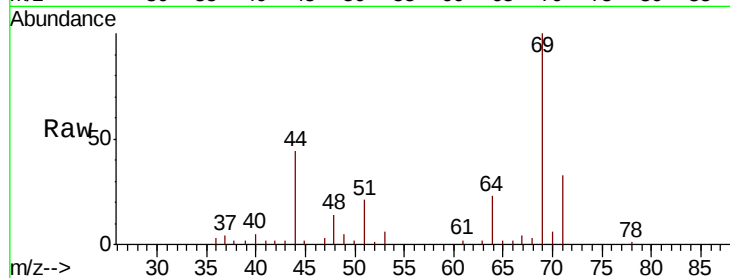
ClientSampleId :

Tot Ion: 64 Resp: 892

Ion Ratio Lower Upper

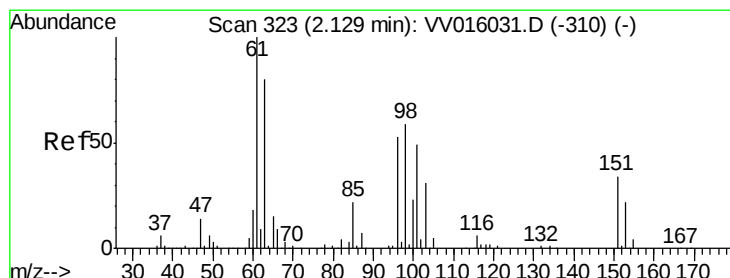
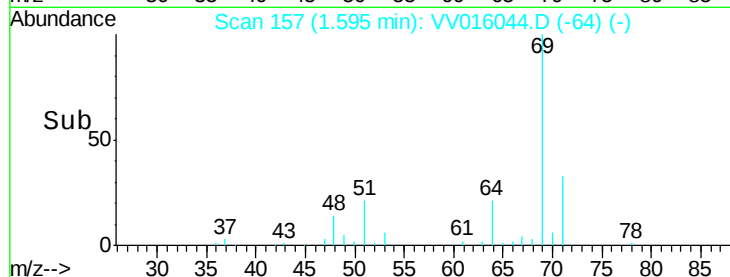
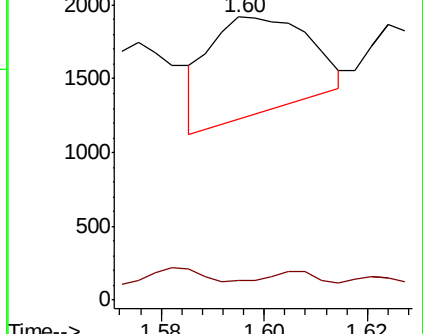
64 100

66 6.7 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#10

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

Concen: 0.077 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016044.D

Acq: 13 May 2020 16:29

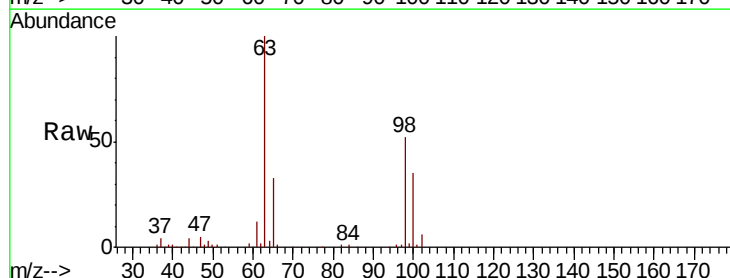
Tgt Ion: 101 Resp: 664

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

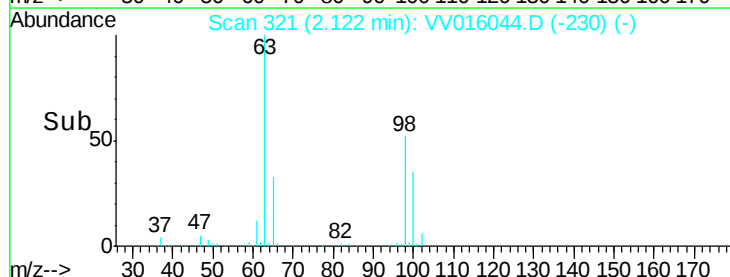
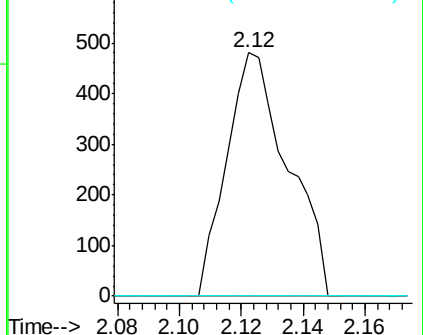
151 0.0 58.0 87.0#

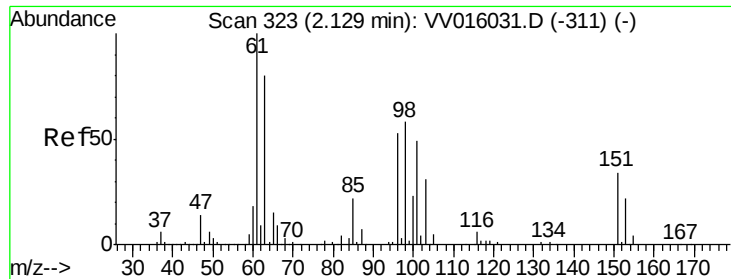


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

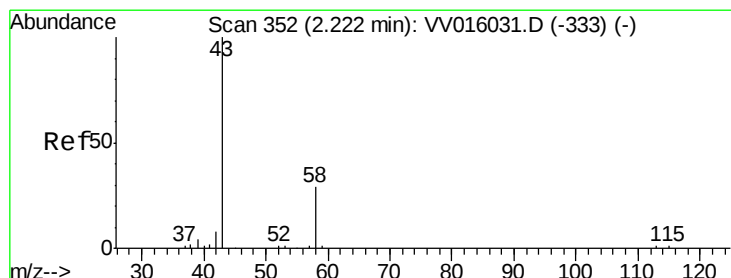
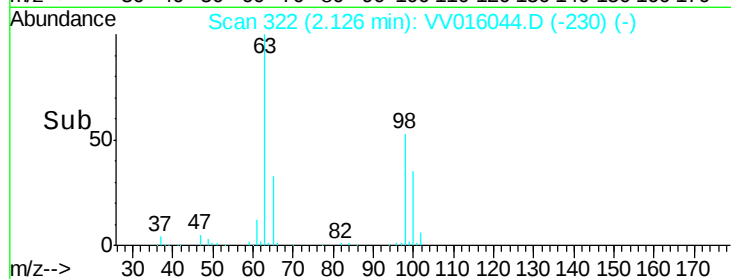
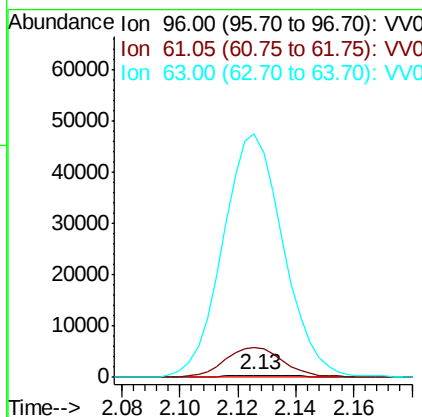
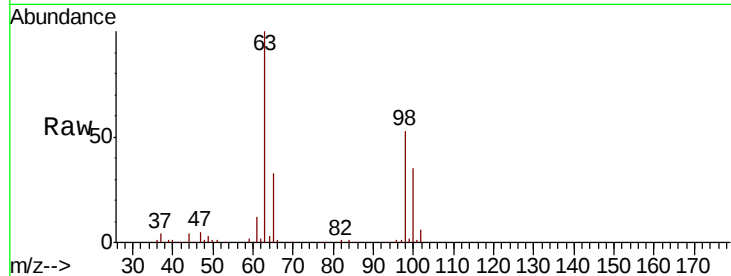




#12
 1,1-Dichloroethene
 Concen: 0.085 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VV016044.D
 Acq: 13 May 2020 16:29

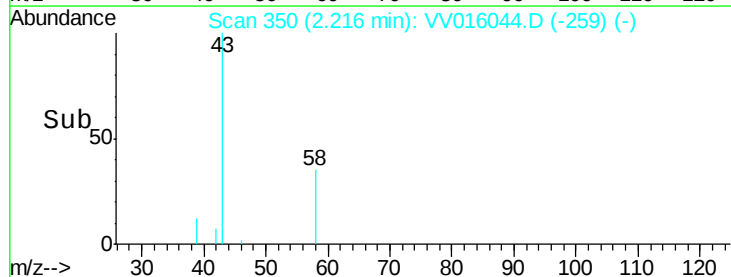
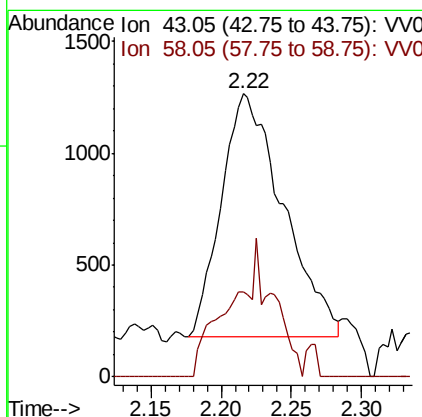
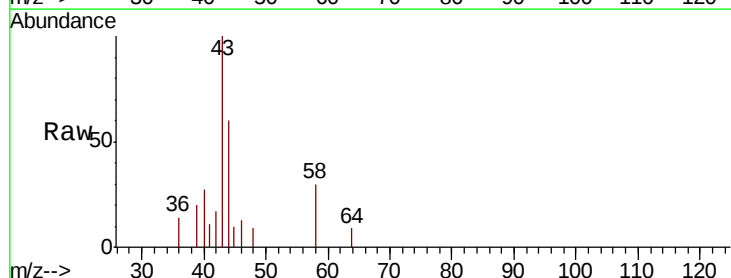
Instrument :
 MSVOA_V
 ClientSampled :

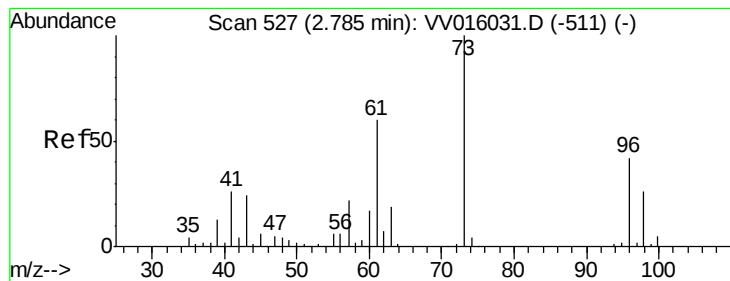
Tot Ion: 96 Resp: 700
 Ion Ratio Lower Upper
 96 100
 61 1304.9 139.9 259.7#
 63 10531.3 106.4 197.6#



#13
 Acetone
 Concen: 2.182 ug/L
 RT: 2.22 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VV016044.D
 Acq: 13 May 2020 16:29

Tgt Ion: 43 Resp: 3328
 Ion Ratio Lower Upper
 43 100
 58 29.1 0.0 30.8



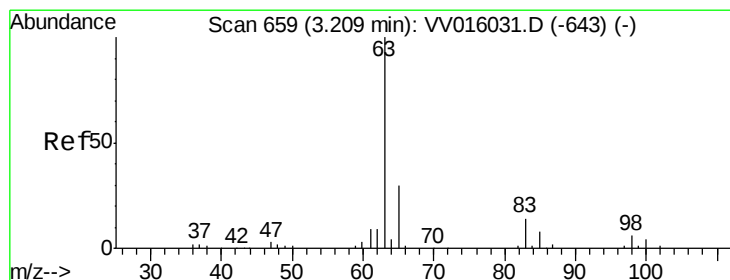
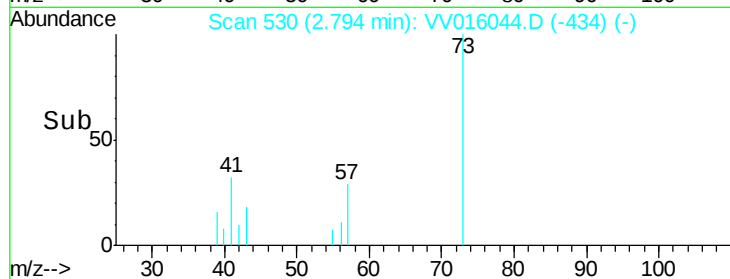
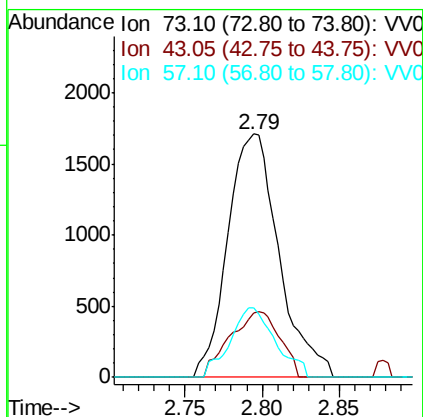
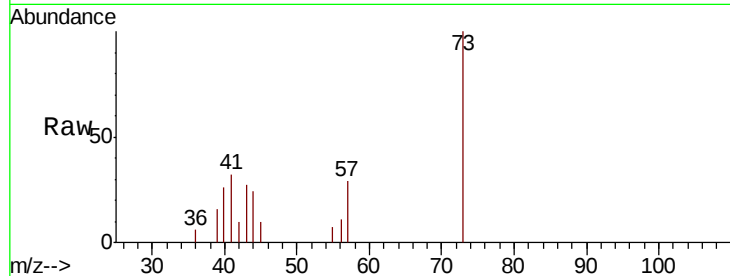


#17

Methvl tert-butvl Ether
 Concen: 0.184 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VV016044.D
 Acq: 13 May 2020 16:29

Instrument :
 MSVOA_V
 ClientSampled :

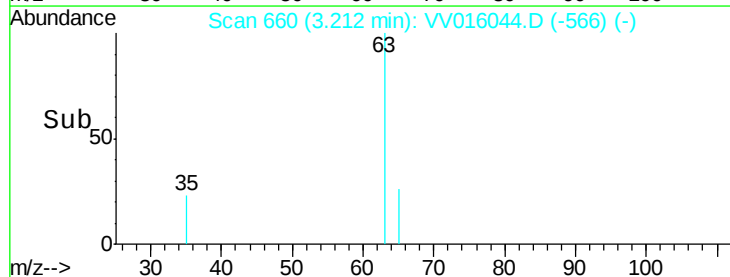
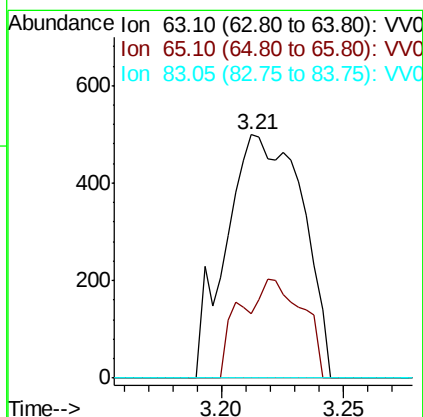
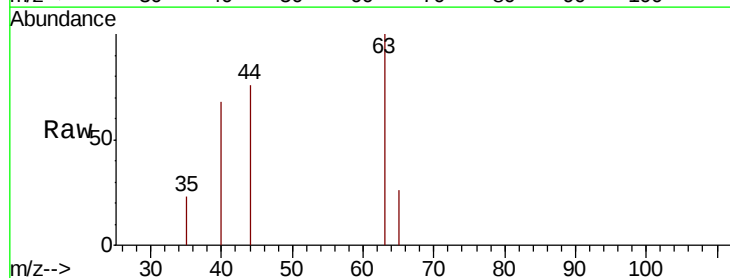
Tot Ion: 73 Resp: 3937
 Ion Ratio Lower Upper
 73 100
 43 26.2 18.8 28.2
 57 25.3 17.8 26.6

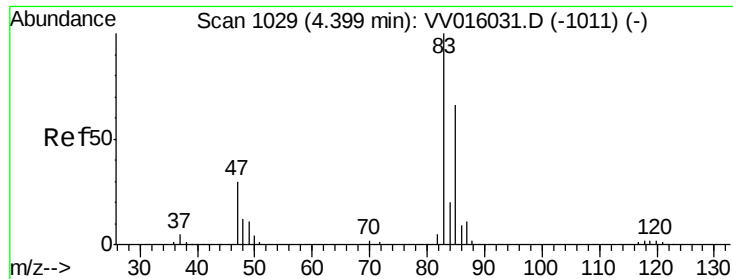


#19

1,1-Dichloroethane
 Concen: 0.062 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV016044.D
 Acq: 13 May 2020 16:29

Tgt Ion: 63 Resp: 1083
 Ion Ratio Lower Upper
 63 100
 65 26.5 22.0 41.0
 83 0.0 9.8 18.2#

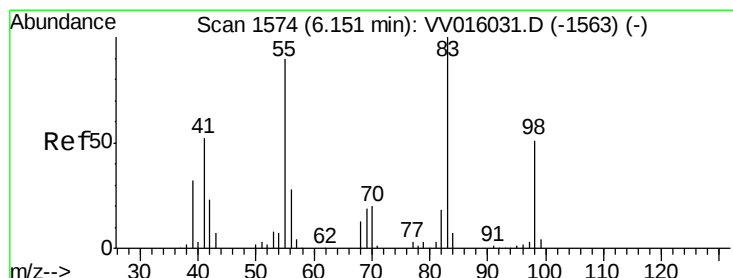
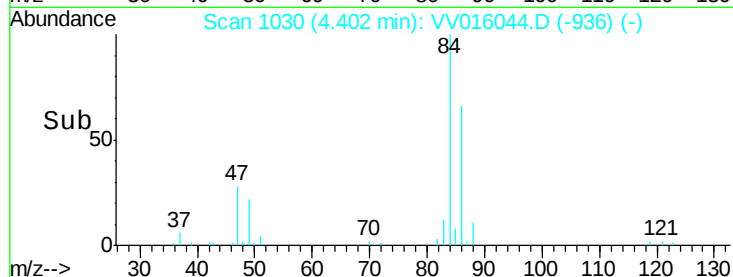
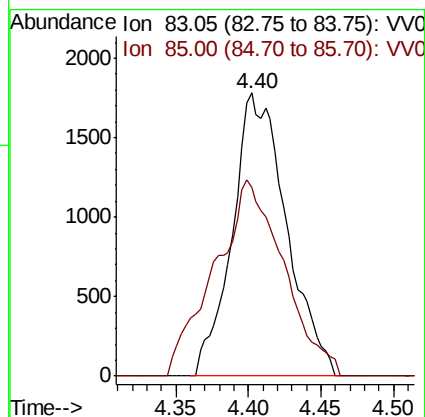
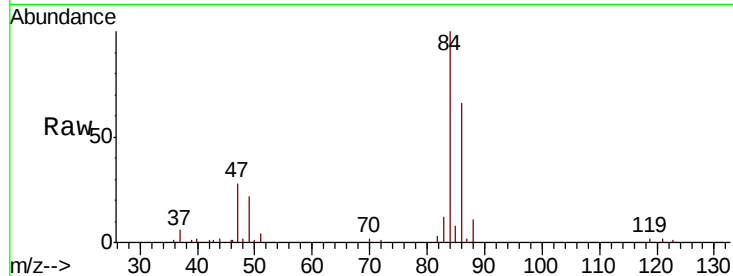




#25
Chloroform
Concen: 0.240 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016044.D
Acq: 13 May 2020 16:29

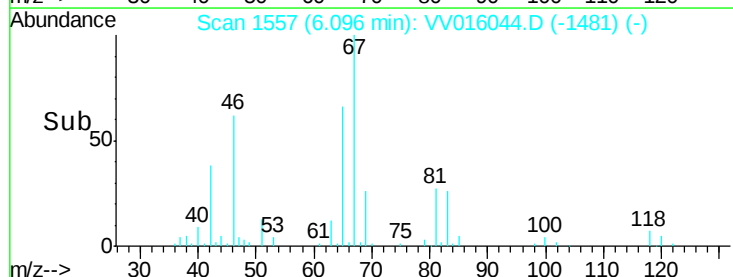
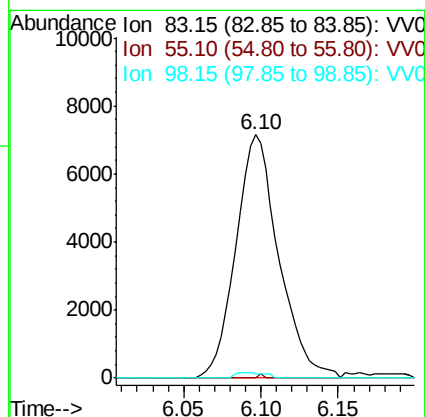
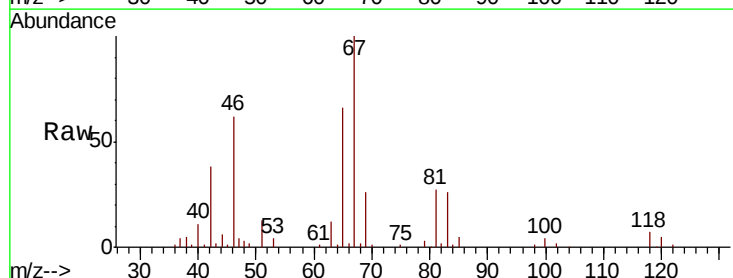
Instrument :
MSVOA_V
ClientSampleId :

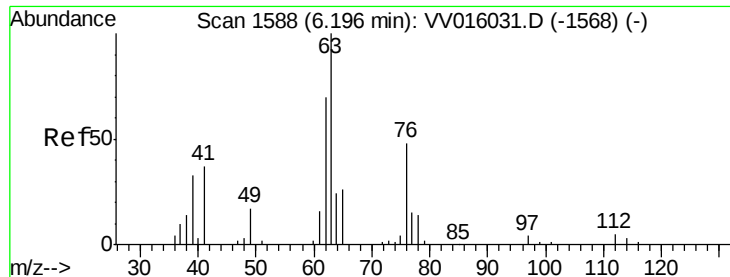
Tot Ion: 83 Resp: 4632
Ion Ratio Lower Upper
83 100
85 66.5 45.7 84.9



#35
Methylcyclohexane
Concen: 0.848 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016044.D
Acq: 13 May 2020 16:29

Tgt Ion: 83 Resp: 13803
Ion Ratio Lower Upper
83 100
55 0.2 66.2 99.2#
98 1.5 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.734 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016044.D

Acq: 13 May 2020 16:29

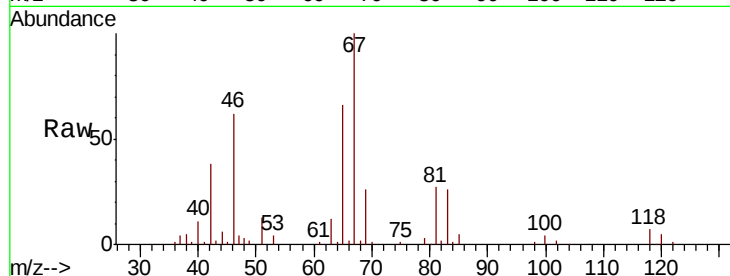
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 7031

Ion Ratio Lower Upper

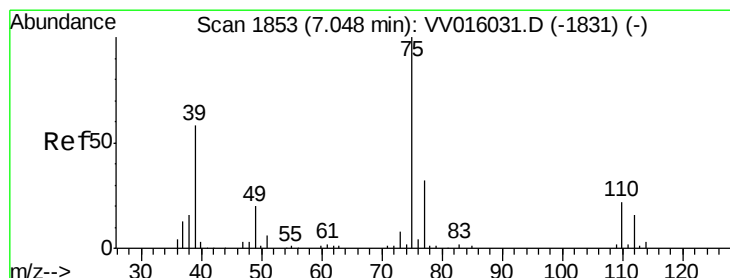
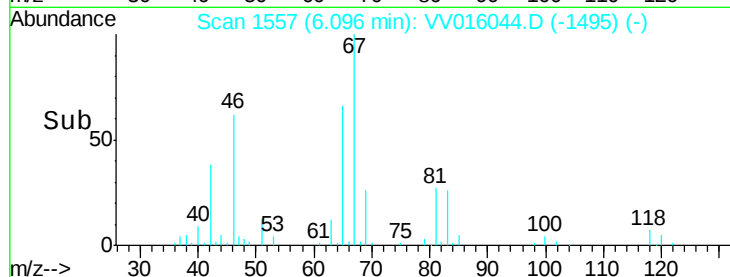
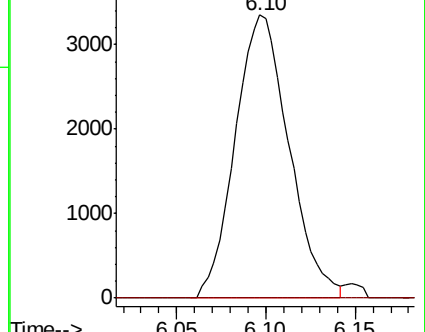
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV016031.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV016031.D (-1568) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV016044.D

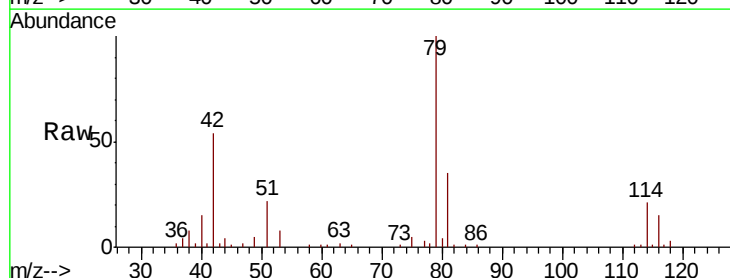
Acq: 13 May 2020 16:29

Tgt Ion: 75 Resp: 1389

Ion Ratio Lower Upper

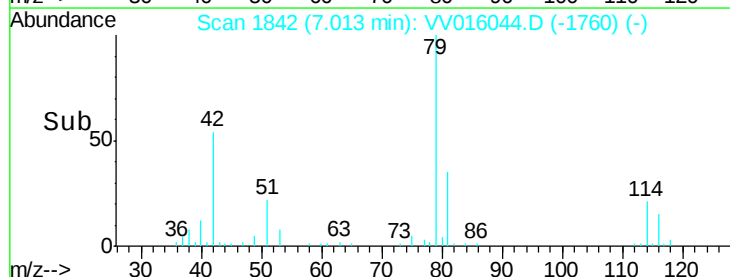
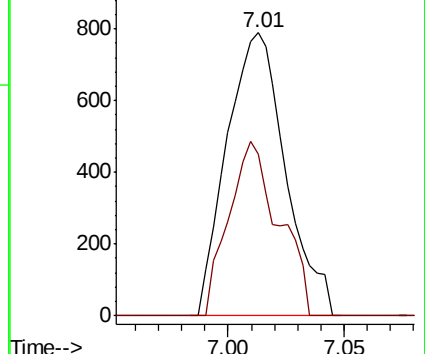
75 100

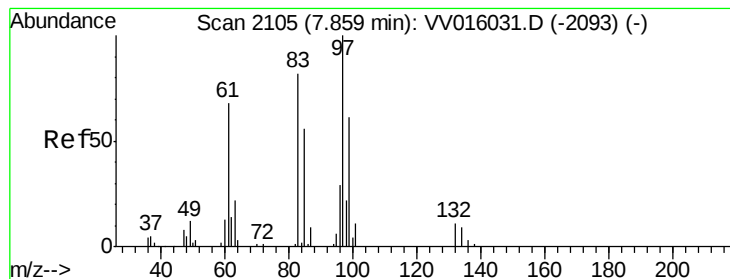
77 57.0 21.3 39.5#



Abundance Ion 75.05 (74.75 to 75.75): VV016031.D (-1831) (-)

Ion 77.05 (76.75 to 77.75): VV016031.D (-1831) (-)





#47

1,1,2-Trichloroethane

Concen: 0.219 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.14 min

Lab File: VV016044.D

Acq: 13 May 2020 16:29

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 1399

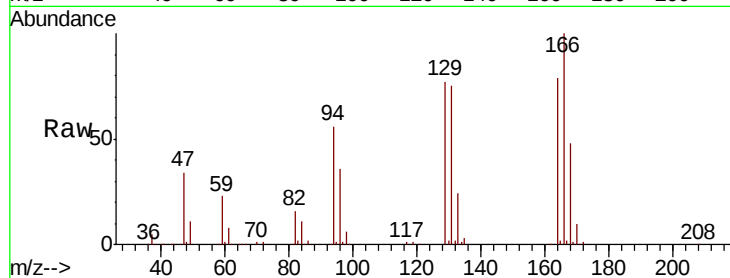
Ion Ratio Lower Upper

97 100

99 17.4 42.1 78.1#

83 195.7 59.2 110.0#

85 31.2 38.6 71.8#



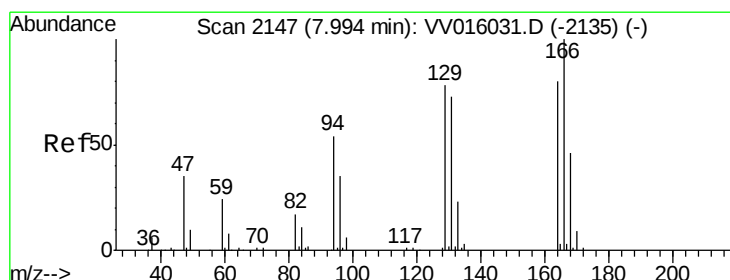
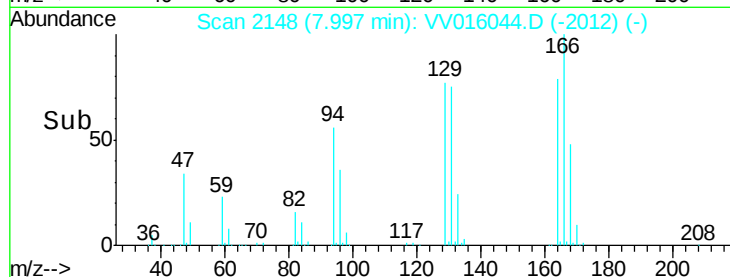
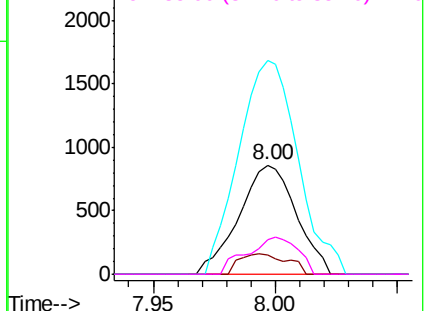
Abundance

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: 16.163 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016044.D

Acq: 13 May 2020 16:29

Tgt Ion: 164 Resp: 121359

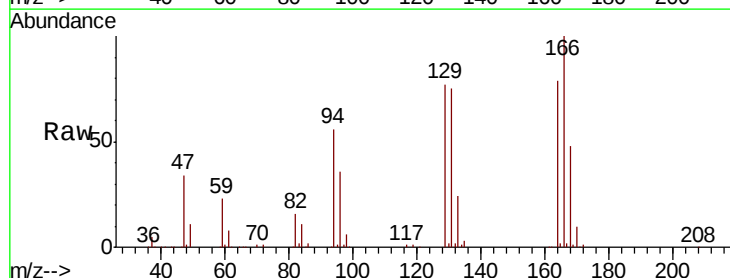
Ion Ratio Lower Upper

164 100

129 98.3 69.7 129.4

131 95.1 66.8 124.2

166 126.8 89.1 165.5



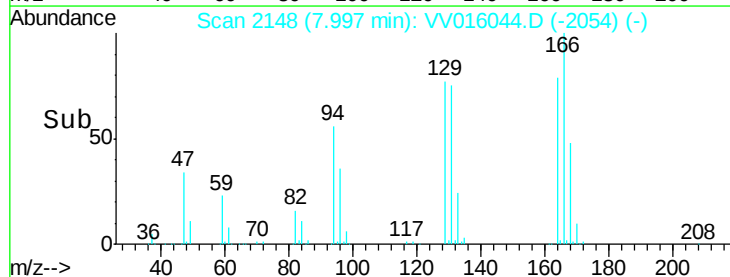
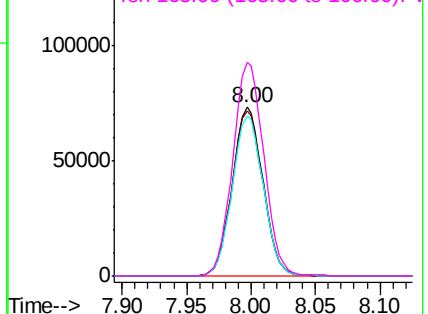
Abundance

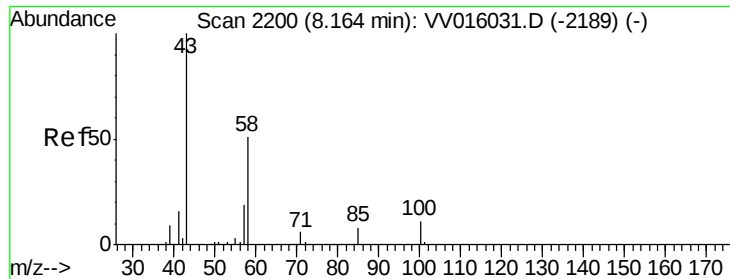
Ion 163.90 (163.60 to 164.60): V

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

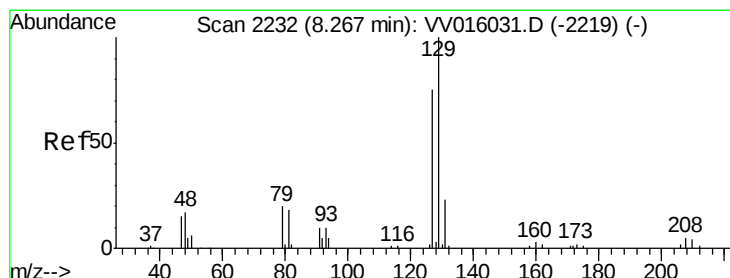
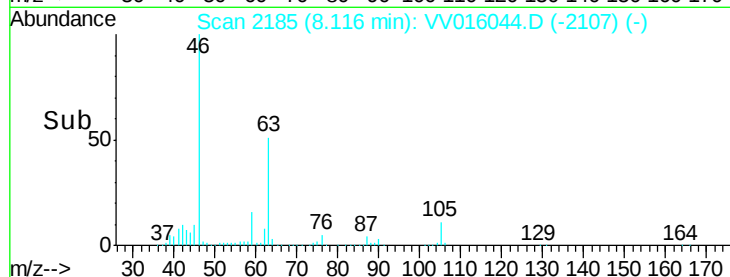
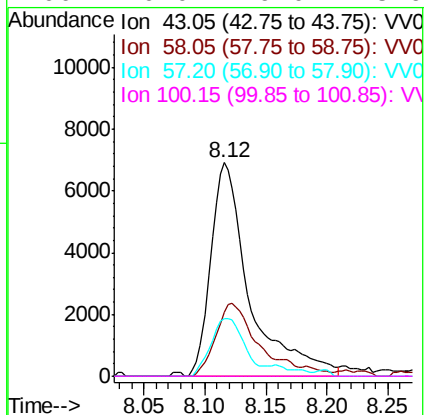
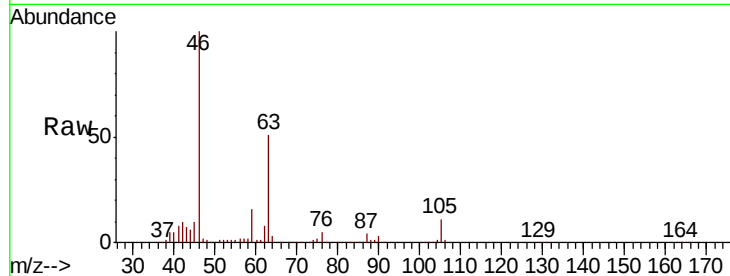




#50
2-Hexanone
Concen: 3.652 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016044.D
Acq: 13 May 2020 16:29

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 15417
Ion Ratio Lower Upper
43 100
58 38.9 40.8 61.2#
57 23.4 14.7 22.1#
100 0.0 9.0 13.6#



#51
Dibromochloromethane
Concen: 16.384 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016044.D
Acq: 13 May 2020 16:29

Tgt Ion: 129 Resp: 117760
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

