

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016014.D
 Acq On : 12 May 2020 15:06
 Operator : SY/MD
 Sample : L2541-17
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:58:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 06:55:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	138038	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	139011	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	62551	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30531	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.58	69	32536	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.12	63	52485	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	3.94	46	108477	50.78	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.56%
24) Chloroform-d	4.38	84	73875	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.06	65	47129	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.08	84	155236	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.10	67	51115	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.34	98	133701	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
45) trans-1,3-Dichloropropene-	7.65	79	12317	3.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.20%
48) 2-Hexanone-d5	8.12	63	71164	40.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.76%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35320	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	51742	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2009	0.190 ug/L	97
8) Chloroethane	1.59	64	2179	0.299 ug/L #	61
12) 1,1-Dichloroethene	2.13	96	691	0.091 ug/L #	1
17) Methyl tert-butyl Ether	2.79	73	93549	4.739 ug/L	99
19) 1,1-Dichloroethane	3.22	63	1248	0.077 ug/L #	93
22) cis-1,2-Dichloroethene	3.95	96	3958	0.450 ug/L	98
25) Chloroform	4.41	83	12988	0.729 ug/L	97
27) 1,2-Dichloroethane	5.08	62	759	0.069 ug/L #	76
34) Trichloroethene	5.94	95	16684	1.671 ug/L	98
35) Methylcyclohexane	6.10	83	12577	0.833 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6289	0.708 ug/L #	87
46) trans-1,3-Dichloropropene	7.65	75	599	0.056 ug/L	88
49) Tetrachloroethene	8.00	164	97372	13.979 ug/L	99
50) 2-Hexanone	8.17	43	4351	1.111 ug/L #	41
51) Dibromochloromethane	8.00	129	94333	14.148 ug/L #	10

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QLast Update : Wed May 13 06:55:36 2020
Response via : Initial Calibration

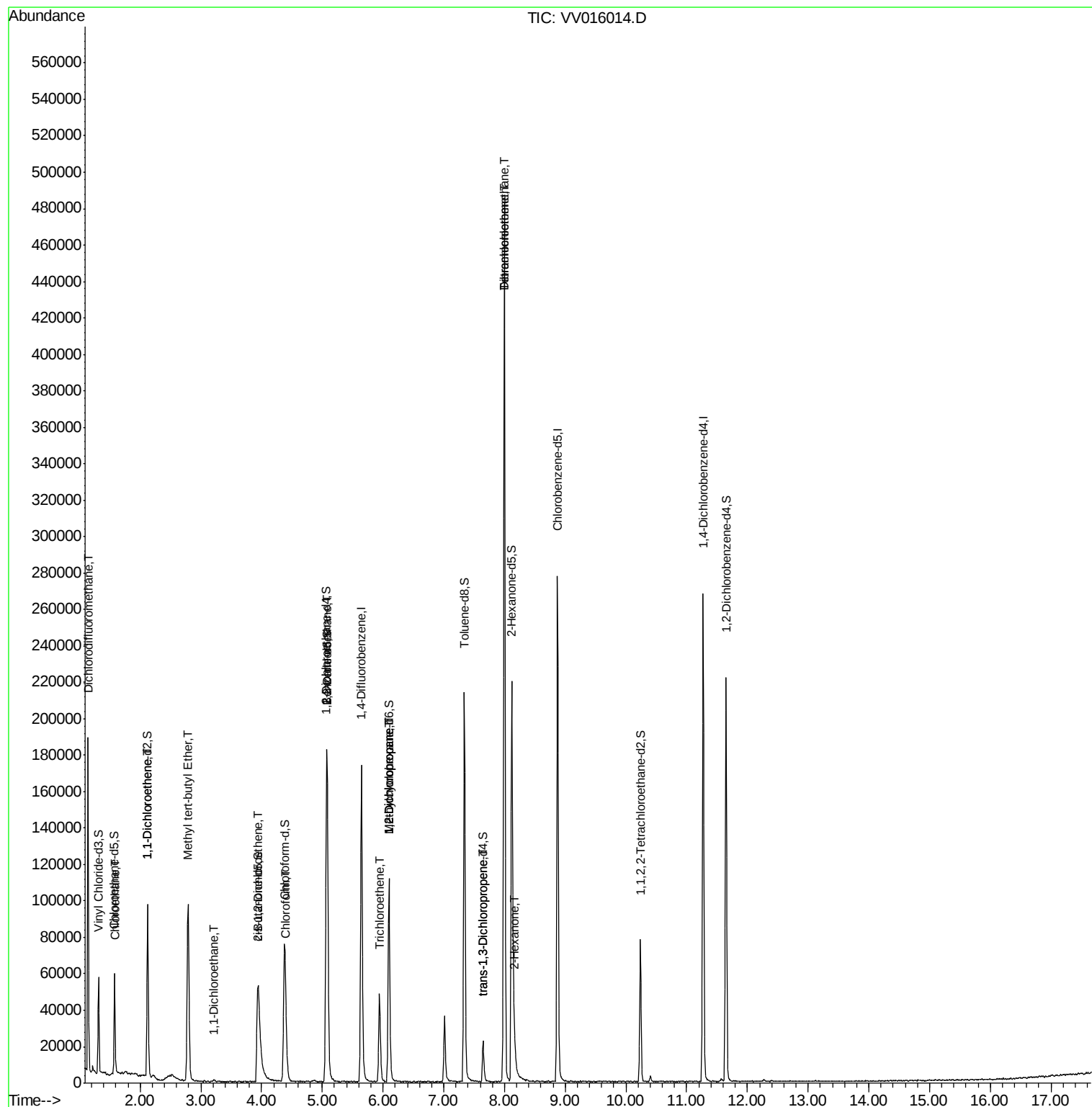
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

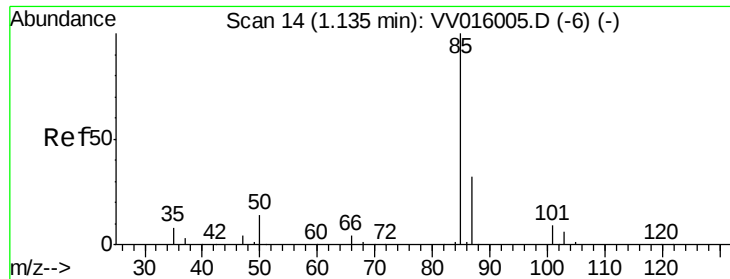
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#2

Dichlorodifluoromethane

Concen: 0.190 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016014.D

Acq: 12 May 2020 15:06

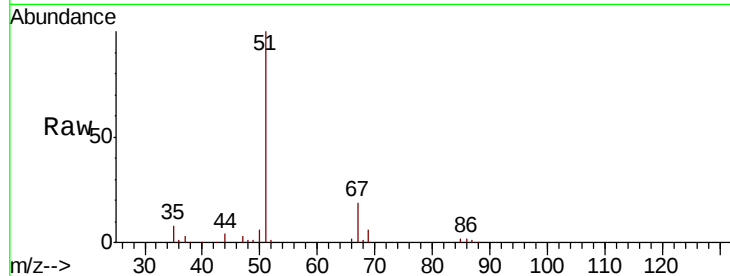
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 2009

Ion Ratio Lower Upper

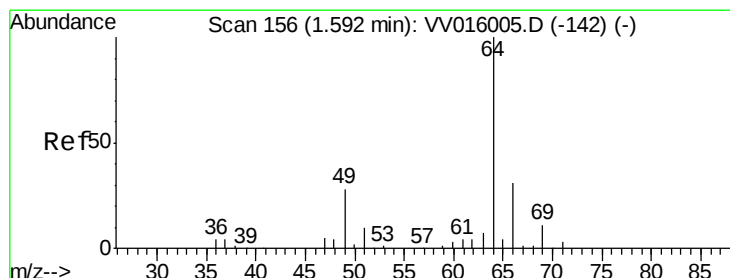
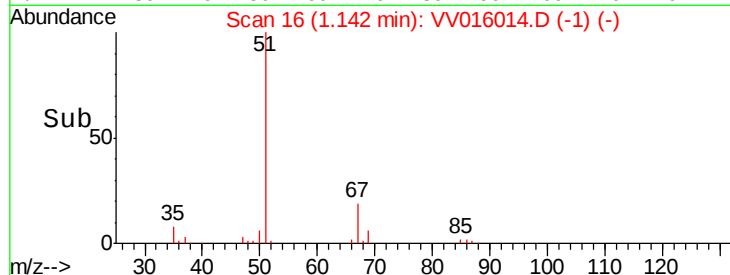
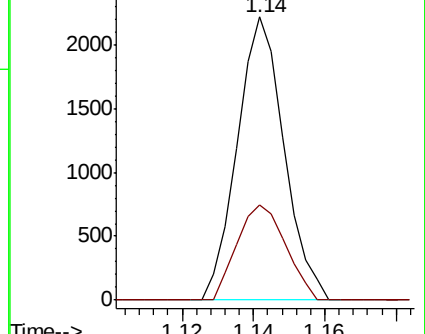
85 100

87 34.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#8

Chloroethane

Concen: 0.299 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV016014.D

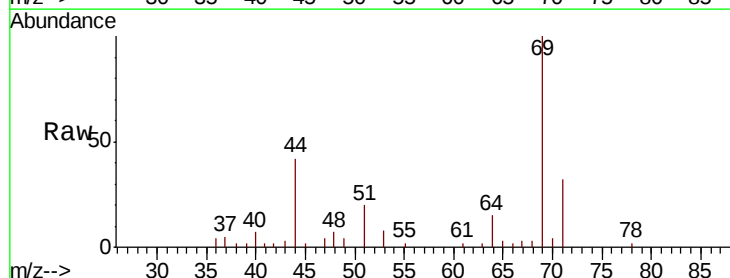
Acq: 12 May 2020 15:06

Tgt Ion: 64 Resp: 2179

Ion Ratio Lower Upper

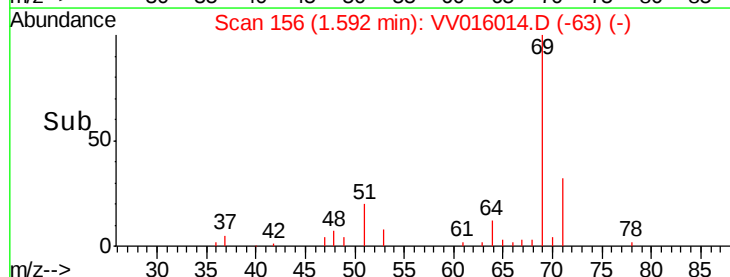
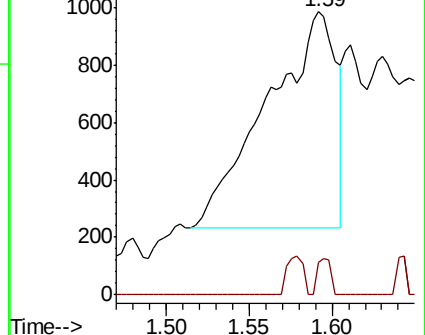
64 100

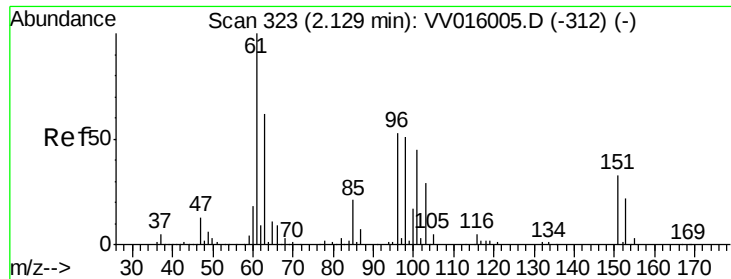
66 11.6 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

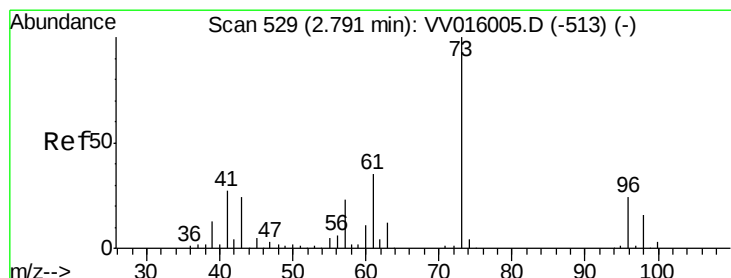
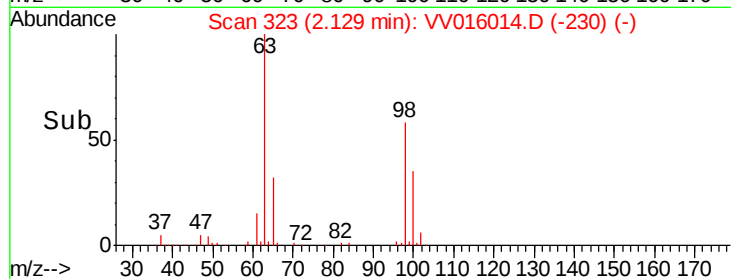
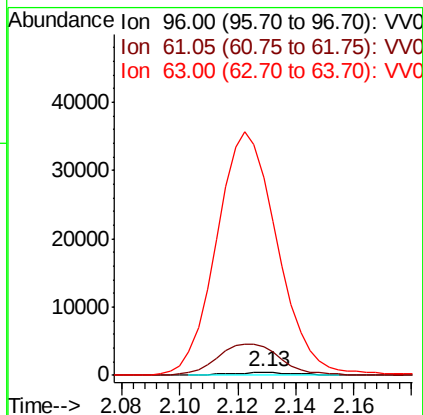
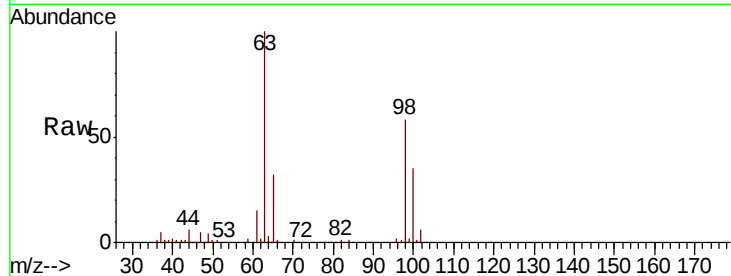




#12
 1,1-Dichloroethene
 Concen: 0.091 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV016014.D
 Acq: 12 May 2020 15:06

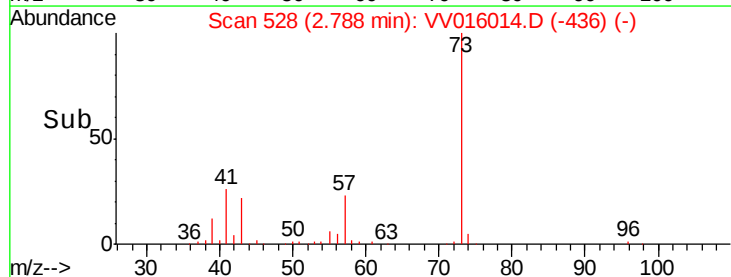
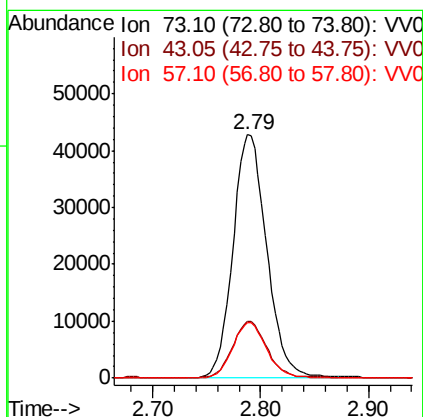
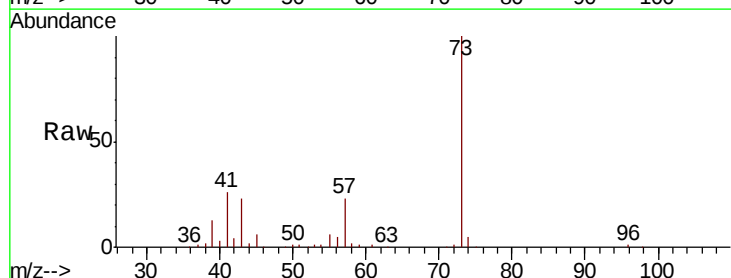
Instrument :
 MSVOA_V
 ClientSampleId :

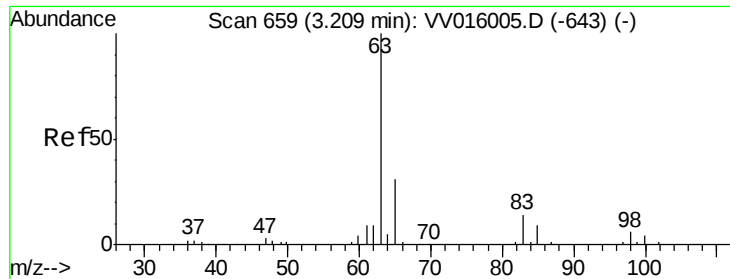
Tot Ion: 96 Resp: 691
 Ion Ratio Lower Upper
 96 100
 61 963.3 139.9 259.7#
 63 6618.3 106.4 197.6#



#17
 Methyl tert-butyl Ether
 Concen: 4.739 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV016014.D
 Acq: 12 May 2020 15:06

Tgt Ion: 73 Resp: 93549
 Ion Ratio Lower Upper
 73 100
 43 23.8 18.8 28.2
 57 22.8 17.8 26.6





#19

1,1-Dichloroethane

Concen: 0.077 ug/L

RT: 3.22 min Scan# 662

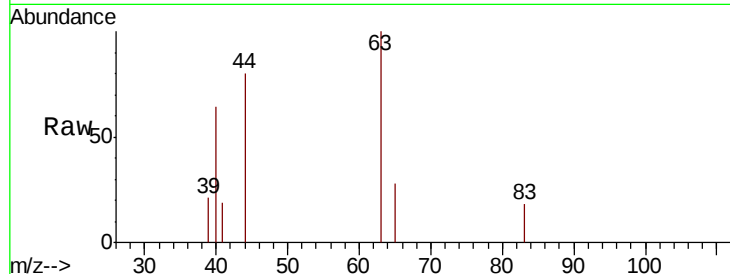
Delta R.T. 0.01 min

Lab File: VV016014.D

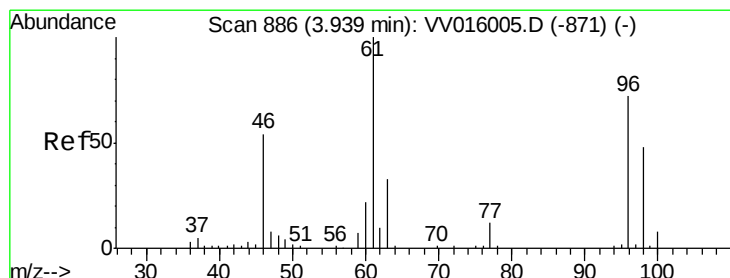
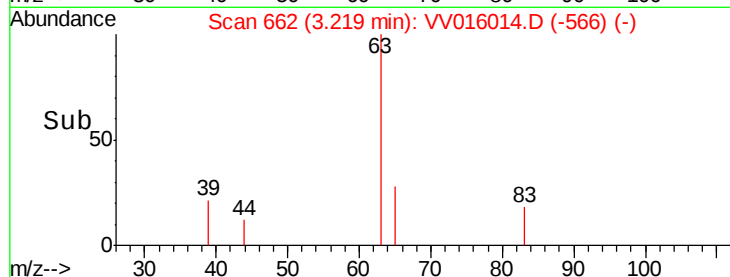
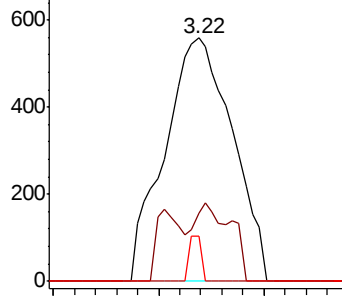
Acq: 12 May 2020 15:06

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	63	Resp:	1248
Ion	Ratio	Lower	Upper
63	100		
65	28.3	22.0	41.0
83	18.4	9.8	18.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.450 ug/L

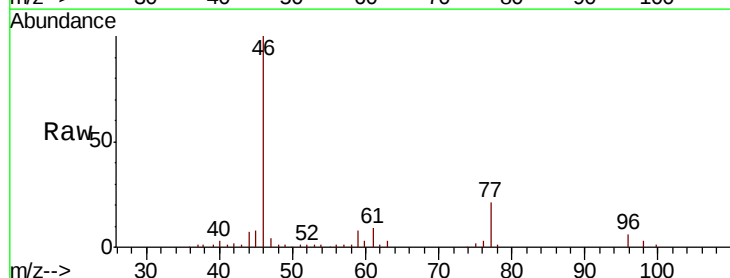
RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

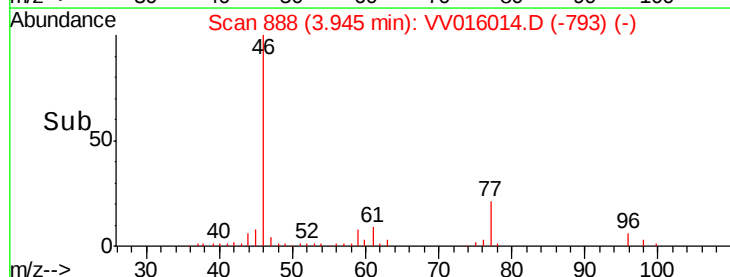
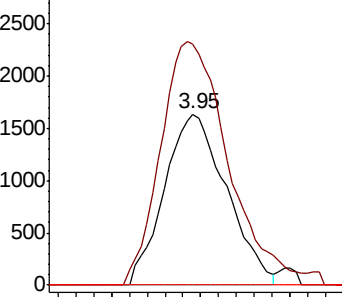
Lab File: VV016014.D

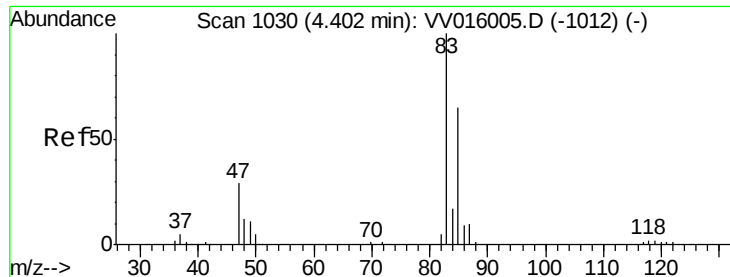
Acq: 12 May 2020 15:06

Tgt Ion:	96	Resp:	3958
Ion	Ratio	Lower	Upper
96	100		
61	141.0	97.2	180.6
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

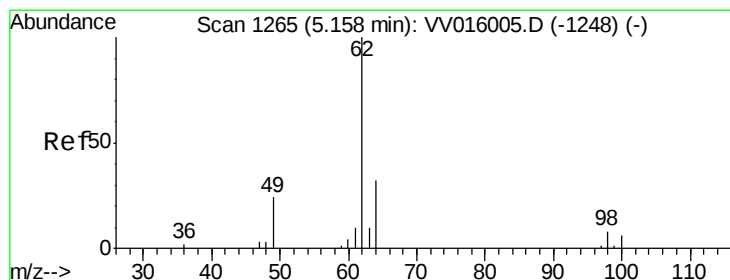
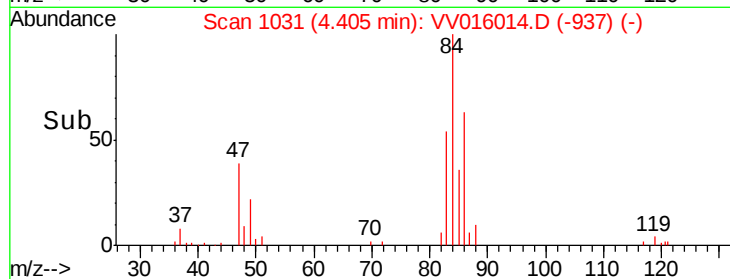
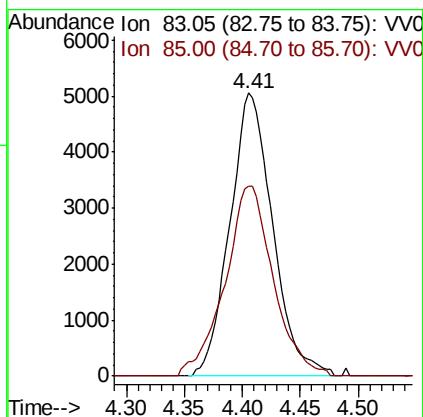
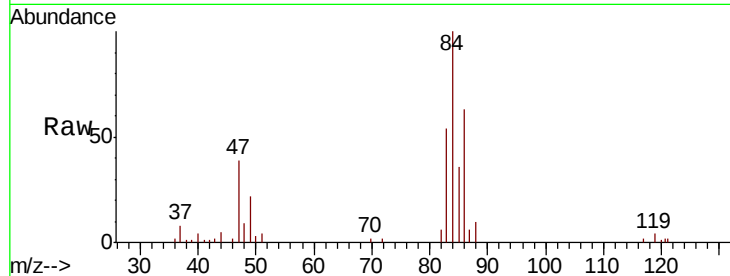




#25
Chloroform
Concen: 0.729 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016014.D
Acq: 12 May 2020 15:06

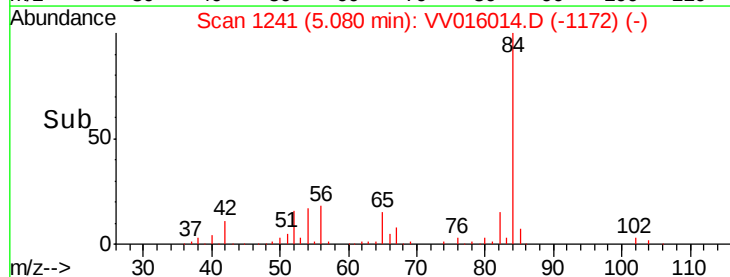
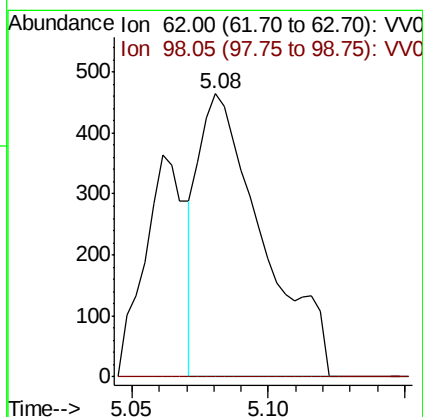
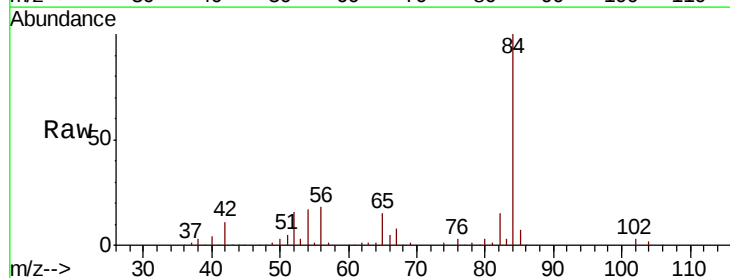
Instrument :
MSVOA_V
ClientSampleId :

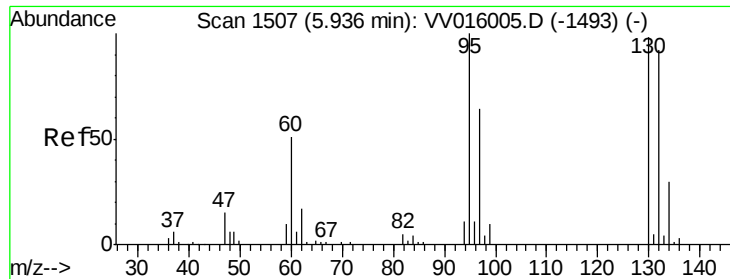
Tot Ion: 83 Resp: 12988
Ion Ratio Lower Upper
83 100
85 67.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.069 ug/L
RT: 5.08 min Scan# 1241
Delta R.T. -0.08 min
Lab File: VV016014.D
Acq: 12 May 2020 15:06

Tgt Ion: 62 Resp: 759
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#





#34

Trichloroethene

Concen: 1.671 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016014.D

Acq: 12 May 2020 15:06

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 16684

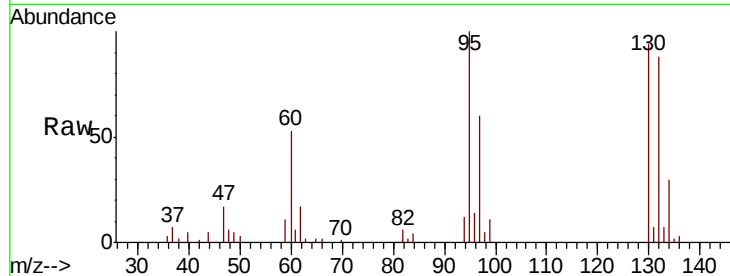
Ion Ratio Lower Upper

95 100

97 60.2 43.3 80.5

132 88.0 60.3 112.1

130 93.5 66.0 122.6

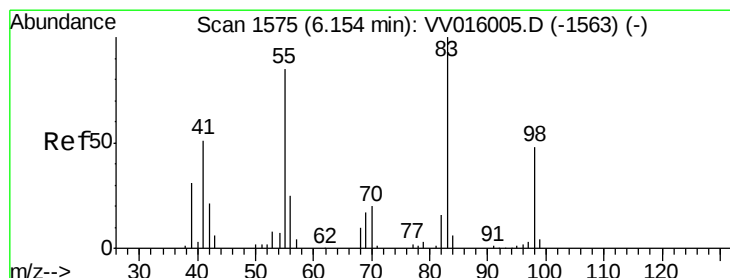
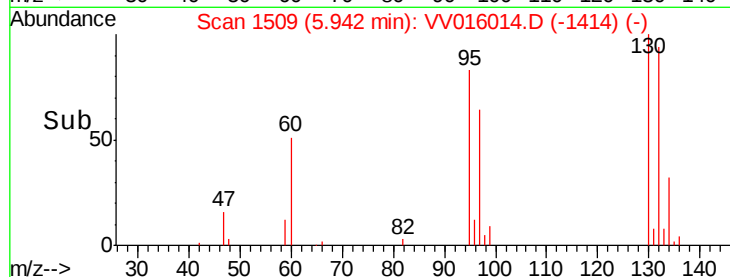
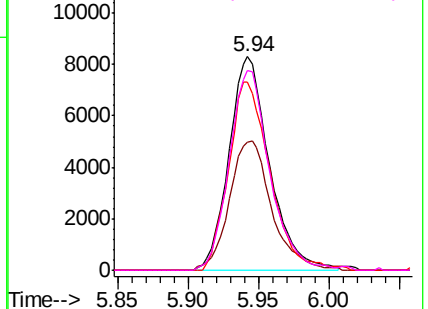


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.833 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016014.D

Acq: 12 May 2020 15:06

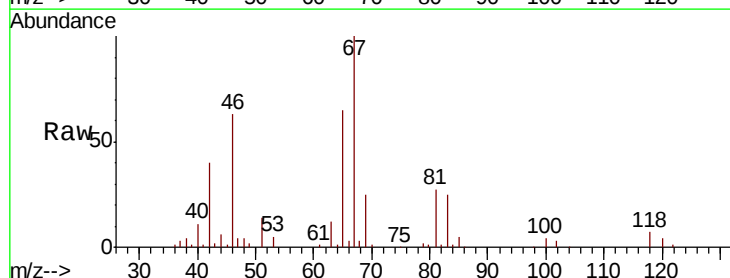
Tgt Ion: 83 Resp: 12577

Ion Ratio Lower Upper

83 100

55 0.5 66.2 99.2#

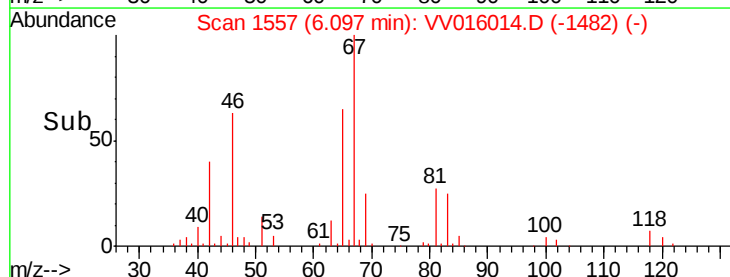
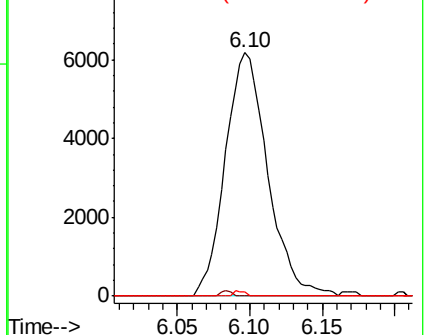
98 0.6 37.9 56.9#

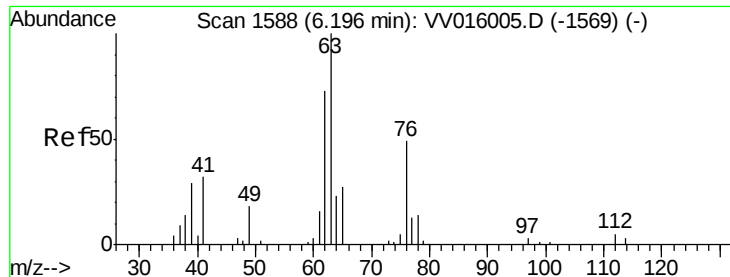


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

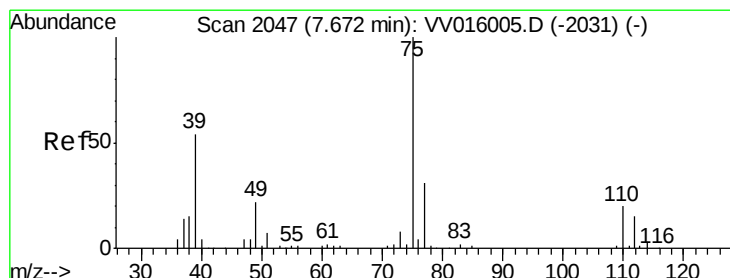
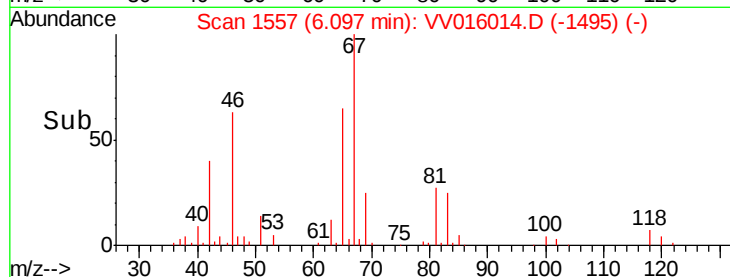
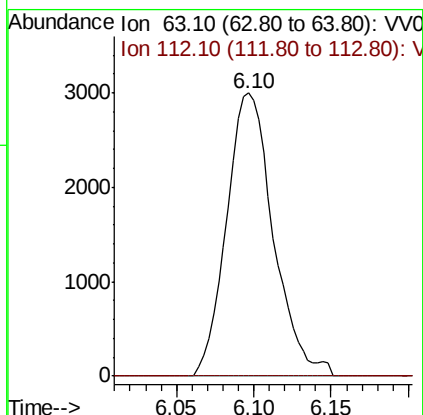
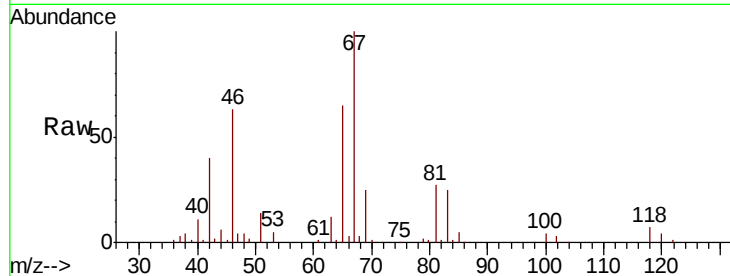




#37
 1,2-Dichloropropane
 Concen: 0.708 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016014.D
 Acq: 12 May 2020 15:06

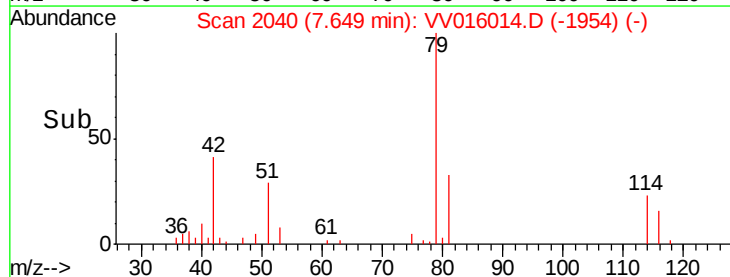
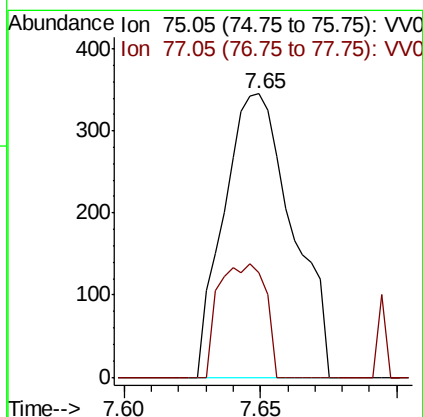
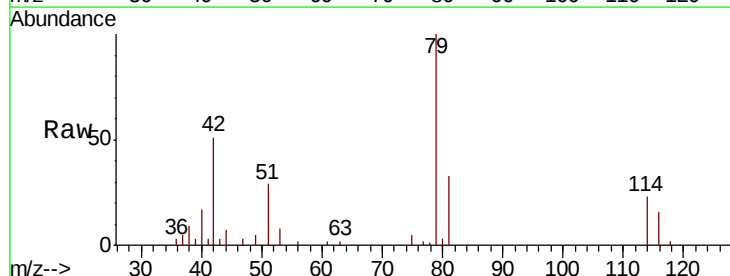
Instrument :
 MSVOA_V
 ClientSampleId :

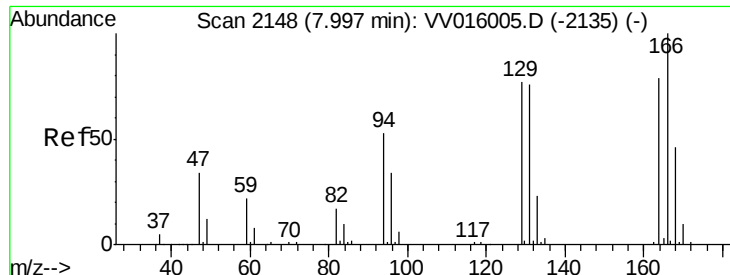
Tot Ion: 63 Resp: 6289
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#46
 trans-1,3-Dichloropropene
 Concen: 0.056 ug/L
 RT: 7.65 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: VV016014.D
 Acq: 12 May 2020 15:06

Tgt Ion: 75 Resp: 599
 Ion Ratio Lower Upper
 75 100
 77 37.1 21.3 39.6





#49

Tetrachloroethene

Concen: 13.979 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016014.D

Acq: 12 May 2020 15:06

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 97372

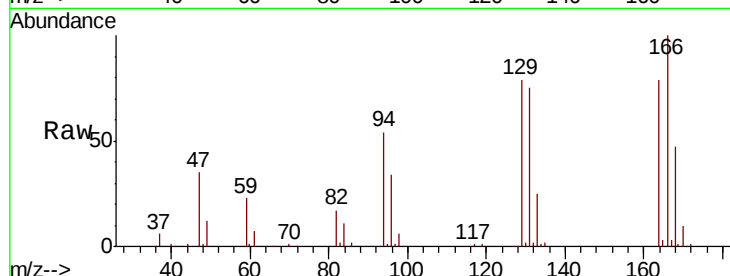
Ion Ratio Lower Upper

164 100

129 101.0 69.7 129.4

131 95.7 66.8 124.2

166 127.3 89.1 165.5

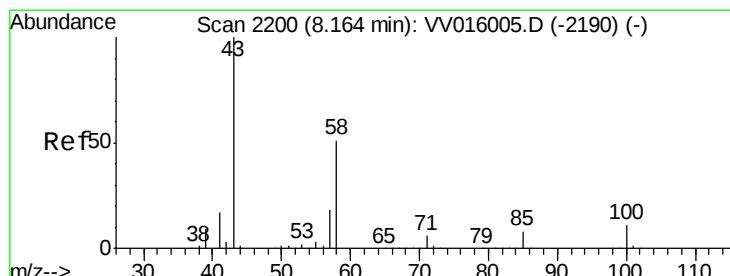
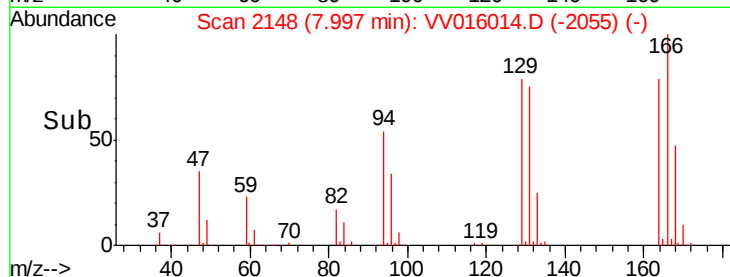
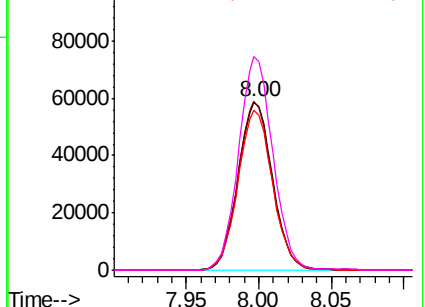


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.111 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV016014.D

Acq: 12 May 2020 15:06

Tgt Ion: 43 Resp: 4351

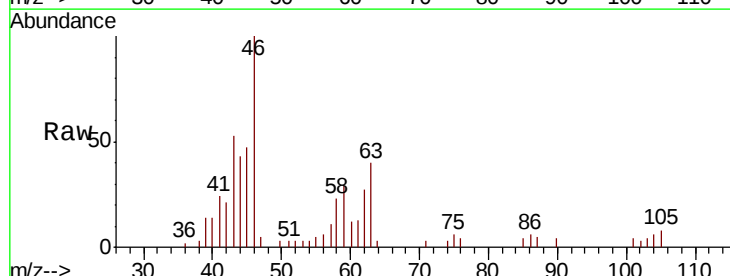
Ion Ratio Lower Upper

43 100

58 0.0 40.8 61.2#

57 0.0 14.7 22.1#

100 2.7 9.0 13.6#

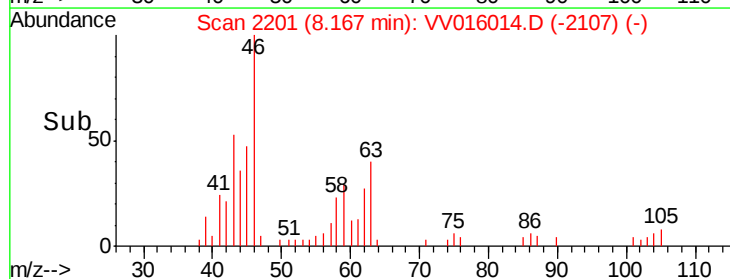
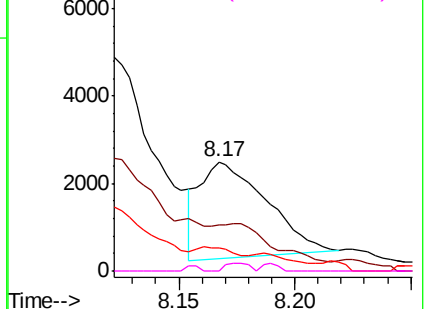


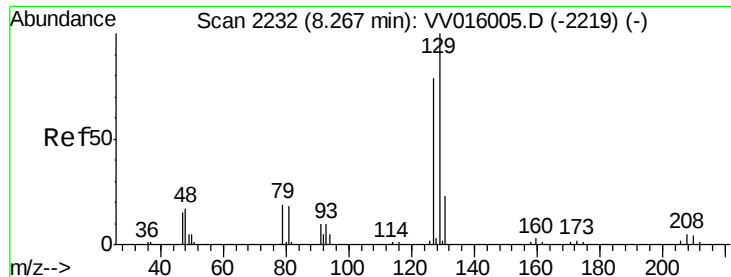
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 14.148 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016014.D

Acq: 12 May 2020 15:06

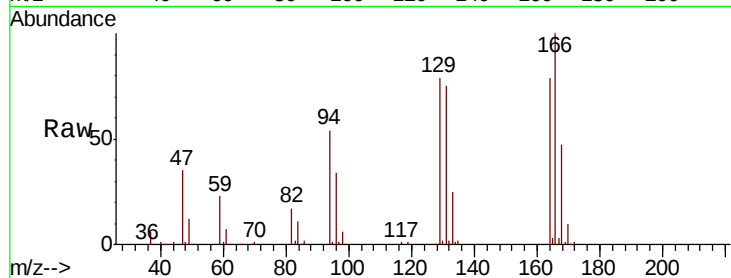
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 94333

Ion Ratio Lower Upper

129 100

127 0.2 56.0 104.0#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

