

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016011.D
 Acq On : 12 May 2020 13:56
 Operator : SY/MD
 Sample : L2541-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:57:48 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	129936	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	125852	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	54326	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29628	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.58	69	30721	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.12	63	49019	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	3.93	46	107750	53.59	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.18%
24) Chloroform-d	4.38	84	70790	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.06	65	46642	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.08	84	146261	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.10	67	48737	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.34	98	126142	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
45) trans-1,3-Dichloropropene-	7.65	79	11603	3.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.60%
48) 2-Hexanone-d5	8.12	63	68991	43.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.56%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34534	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	48407	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	1964	0.197	ug/L	99
12) 1,1-Dichloroethene	2.13	96	661	0.092	ug/L #	1
13) Acetone	2.21	43	6980	5.262	ug/L	66
17) Methyl tert-butyl Ether	2.79	73	136862	7.366	ug/L	99
19) 1,1-Dichloroethane	3.22	63	1274	0.084	ug/L #	84
22) cis-1,2-Dichloroethene	3.95	96	5028	0.608	ug/L	92
25) Chloroform	4.41	83	13387	0.799	ug/L	91
34) Trichloroethene	5.94	95	20135	2.228	ug/L	95
35) Methylcyclohexane	6.10	83	12121	0.887	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	6502	0.808	ug/L #	87
46) trans-1,3-Dichloropropene	7.65	75	568	0.059	ug/L #	70
47) 1,1,2-Trichloroethane	8.00	97	989	0.184	ug/L #	1
49) Tetrachloroethene	8.00	164	99197	15.731	ug/L	99
50) 2-Hexanone	8.17	43	5751	1.622	ug/L #	53
51) Dibromochloromethane	8.00	129	97376	16.132	ug/L #	9

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 13 06:55:36 2020
Response via : Initial Calibration

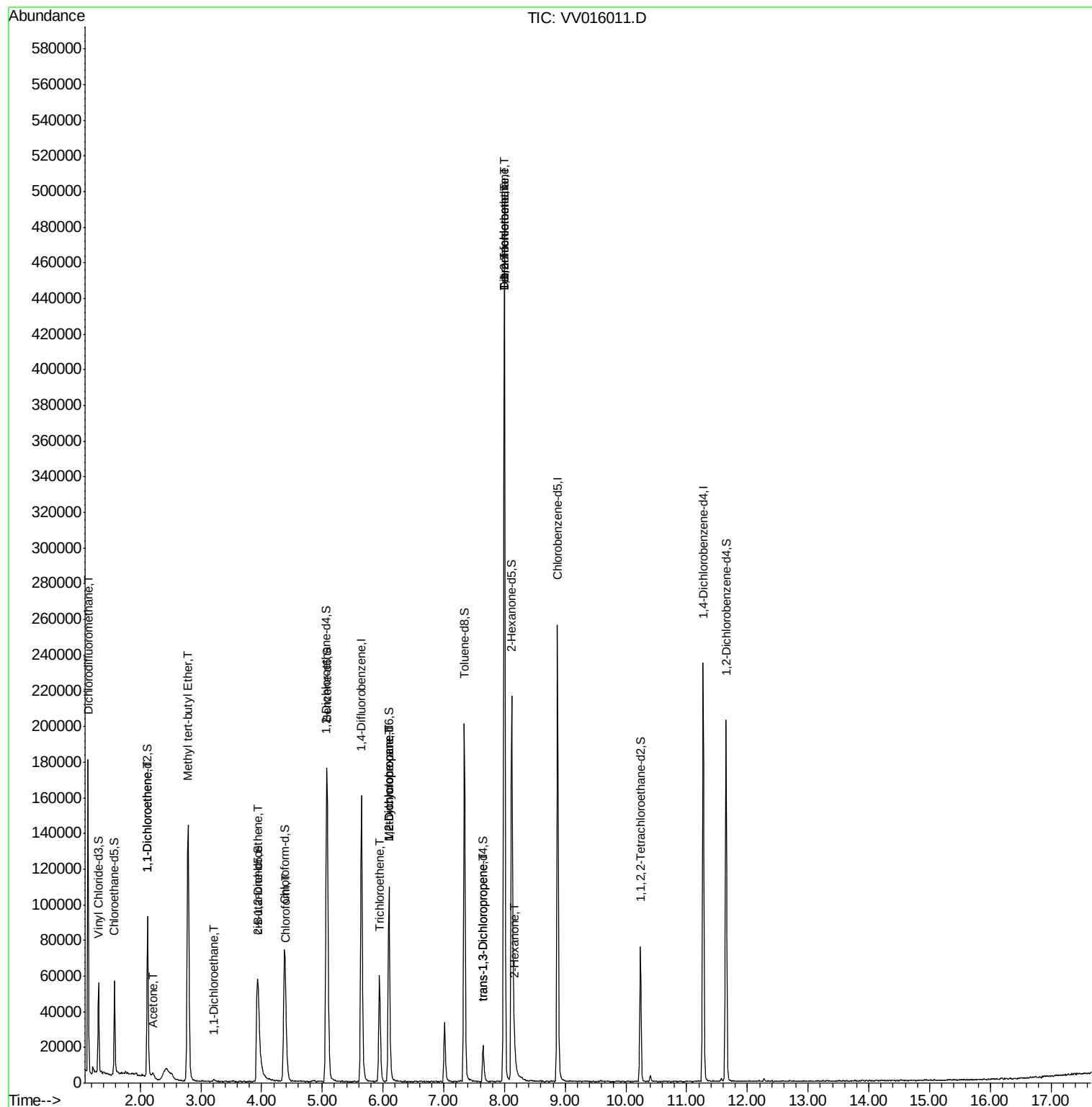
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

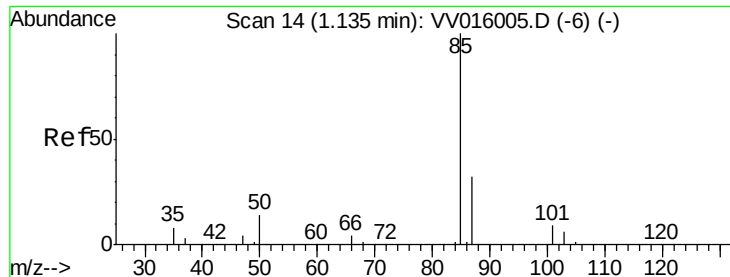
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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





#2

Dichlorodifluoromethane

Concen: 0.197 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016011.D

Acq: 12 May 2020 13:56

Instrument :

MSVOA_V

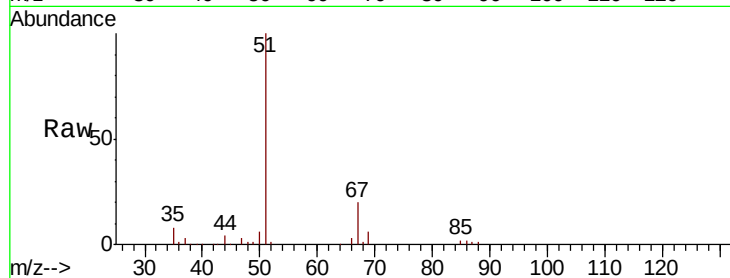
ClientSampleId :

Tot Ion: 85 Resp: 1964

Ion Ratio Lower Upper

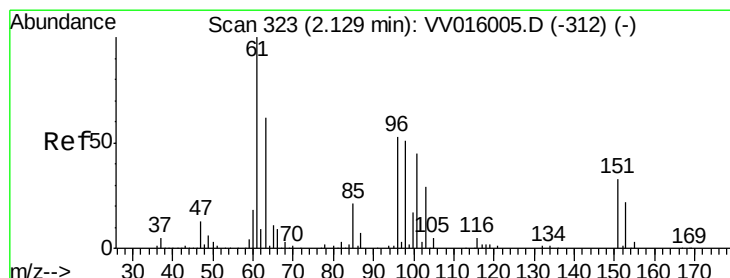
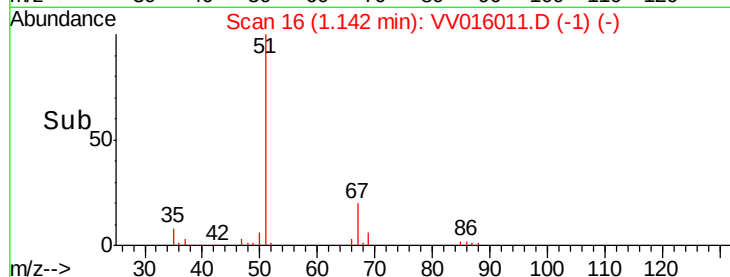
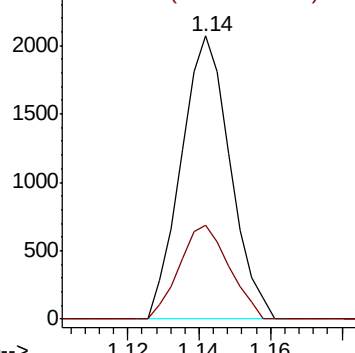
85 100

87 33.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#12

1,1-Dichloroethene

Concen: 0.092 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016011.D

Acq: 12 May 2020 13:56

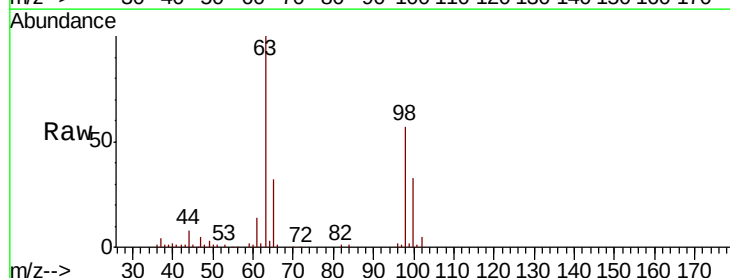
Tgt Ion: 96 Resp: 661

Ion Ratio Lower Upper

96 100

61 928.4 139.9 259.7#

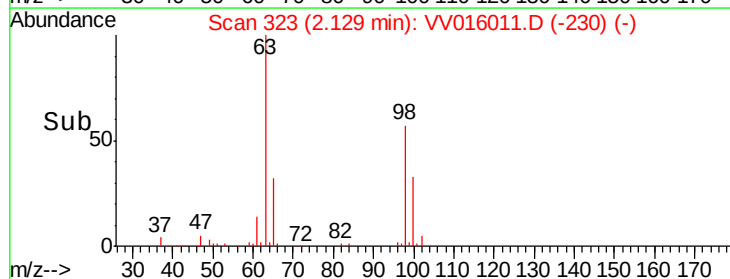
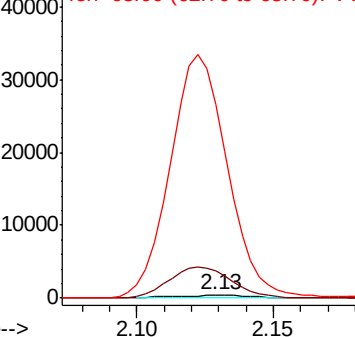
63 6577.8 106.4 197.6#

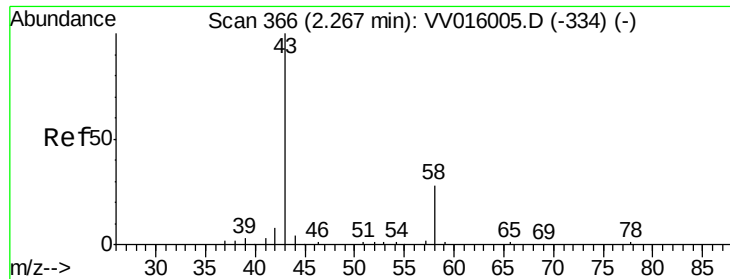


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.262 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.05 min

Lab File: VV016011.D

Acq: 12 May 2020 13:56

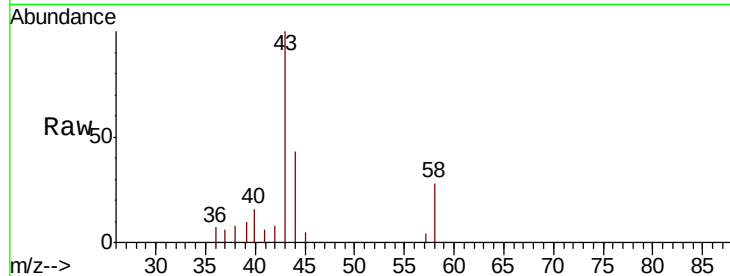
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 6980

Ion Ratio Lower Upper

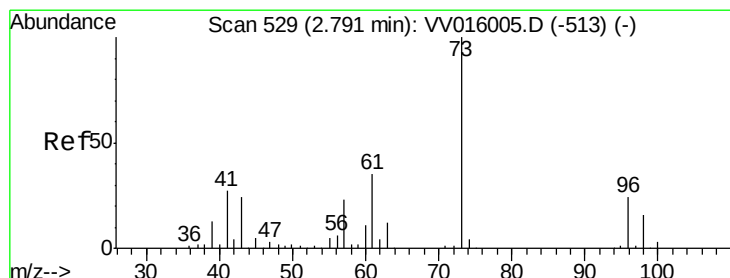
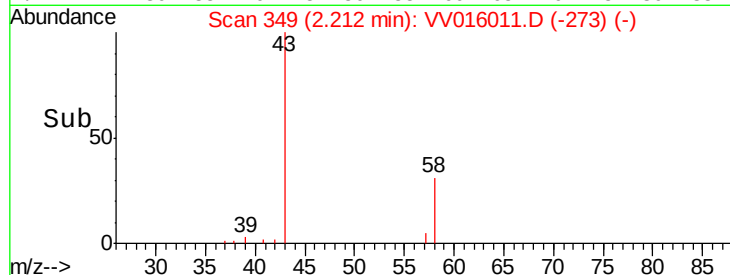
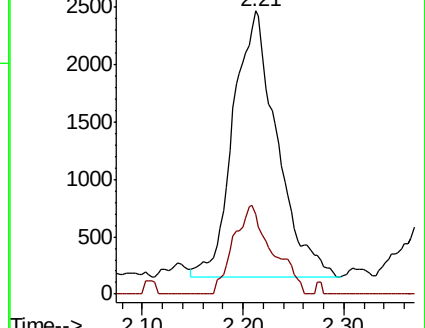
43 100

58 29.6 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016011.D (-273) (-)

Ion 58.05 (57.75 to 58.75): VV016011.D (-273) (-)



#17

Methyl tert-butyl Ether

Concen: 7.366 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV016011.D

Acq: 12 May 2020 13:56

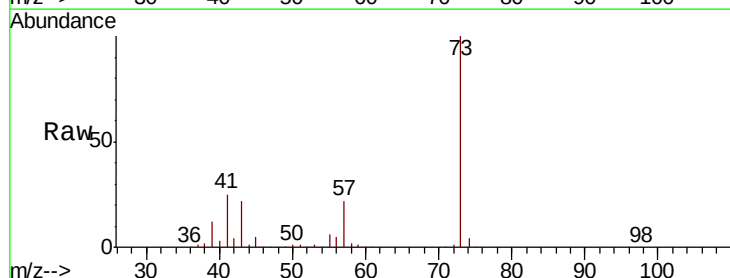
Tgt Ion: 73 Resp: 136862

Ion Ratio Lower Upper

73 100

43 23.0 18.8 28.2

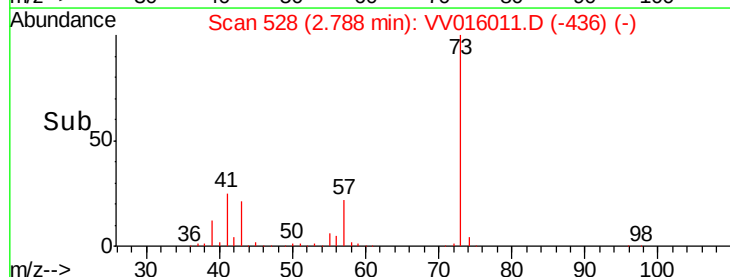
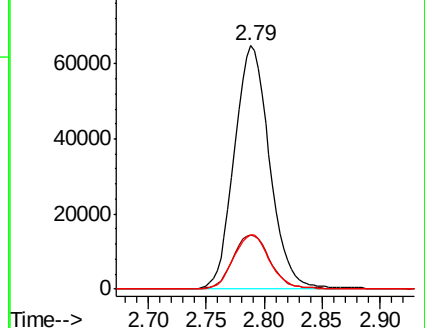
57 22.9 17.8 26.6

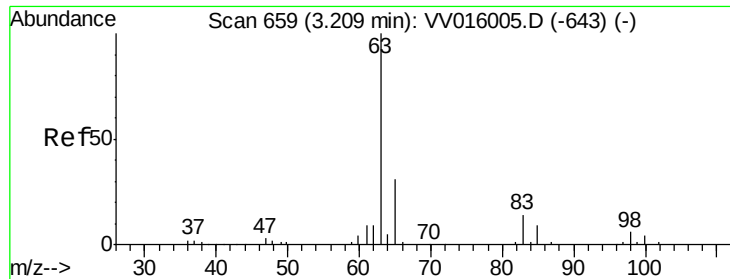


Abundance Ion 73.10 (72.80 to 73.80): VV016011.D (-436) (-)

Ion 43.05 (42.75 to 43.75): VV016011.D (-436) (-)

Ion 57.10 (56.80 to 57.80): VV016011.D (-436) (-)

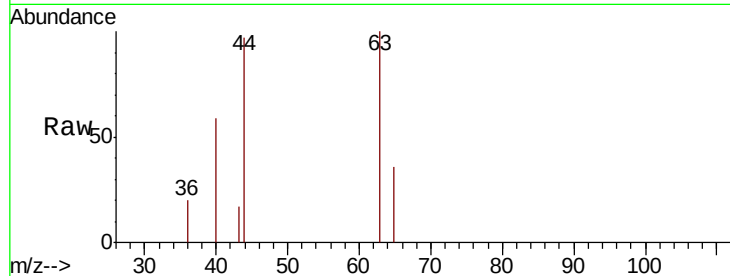




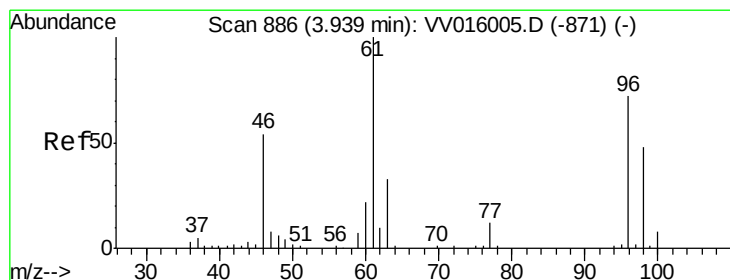
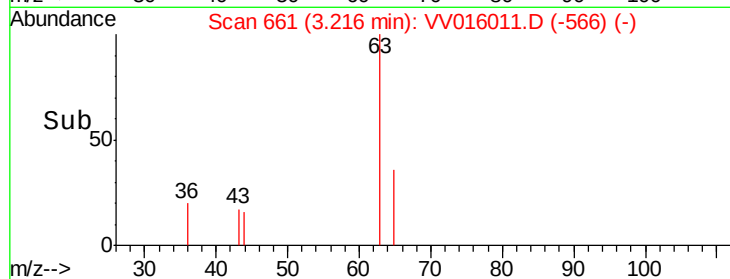
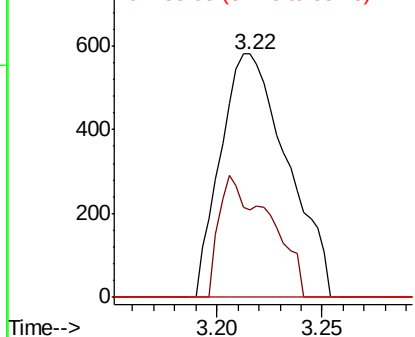
#19
 1,1-Dichloroethane
 Concen: 0.084 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV016011.D
 Acq: 12 May 2020 13:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 1274
 Ion Ratio Lower Upper
 63 100
 65 35.8 22.0 41.0
 83 0.0 9.8 18.2#

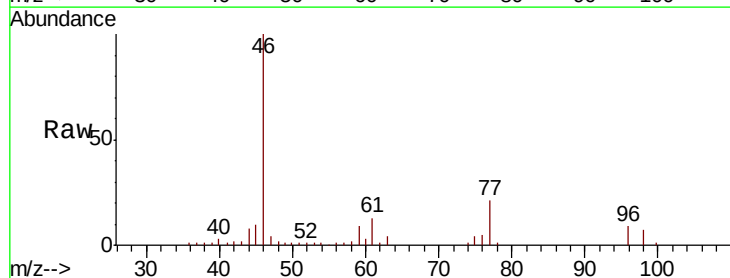


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

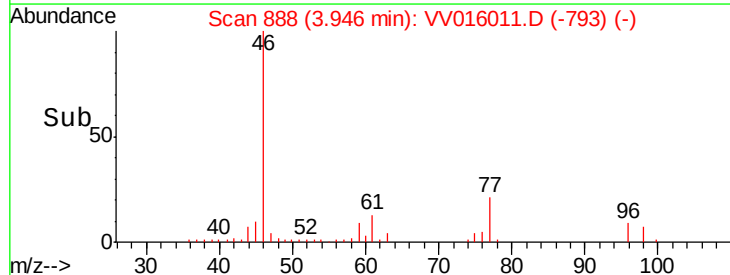
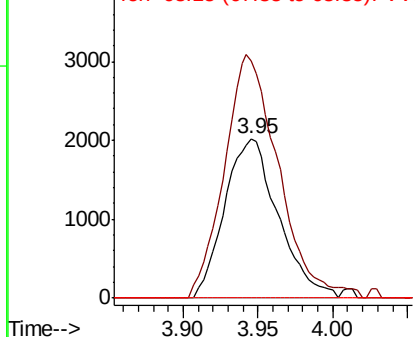


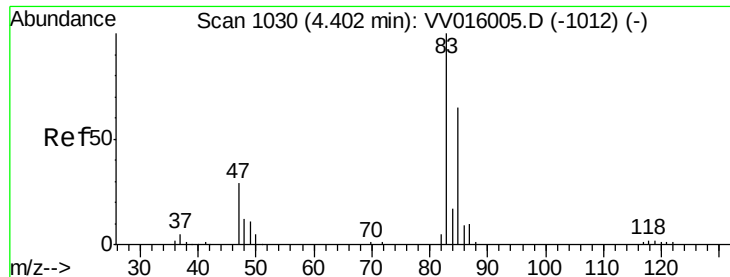
#22
 cis-1,2-Dichloroethene
 Concen: 0.608 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV016011.D
 Acq: 12 May 2020 13:56

Tgt Ion: 96 Resp: 5028
 Ion Ratio Lower Upper
 96 100
 61 148.8 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

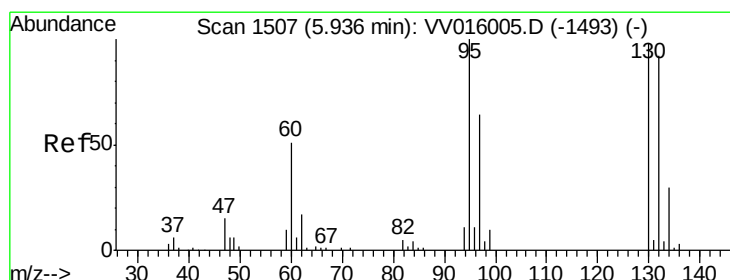
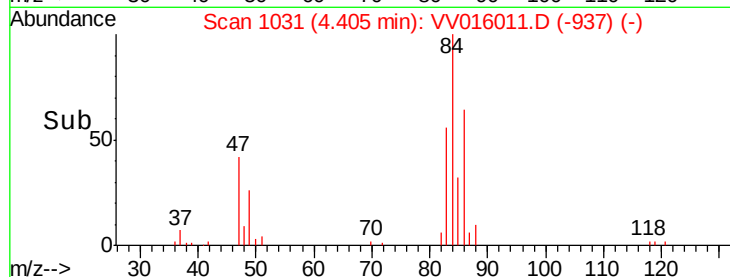
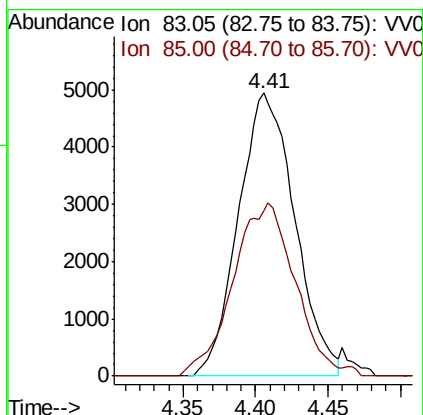
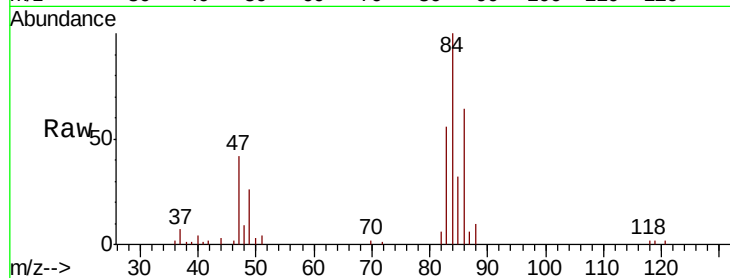




#25
Chloroform
Concen: 0.799 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016011.D
Acq: 12 May 2020 13:56

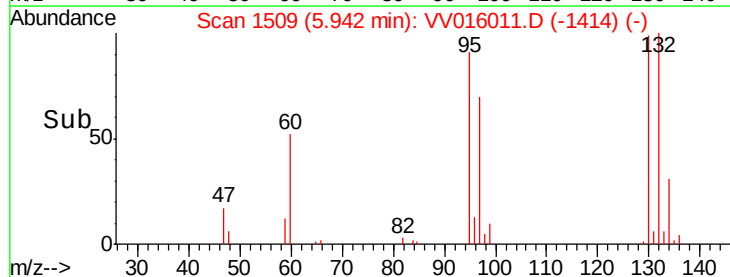
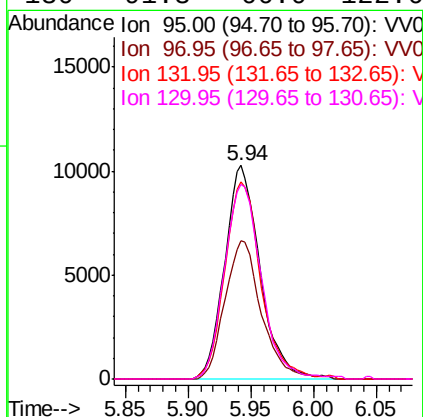
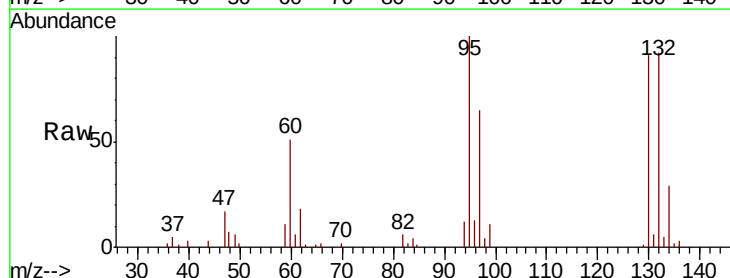
Instrument :
MSVOA_V
ClientSampled :

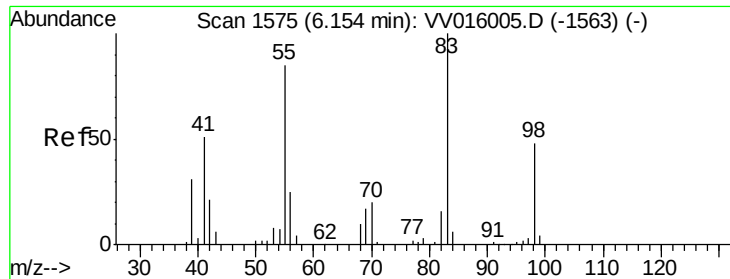
Tot Ion: 83 Resp: 13387
Ion Ratio Lower Upper
83 100
85 58.5 45.7 84.9



#34
Trichloroethene
Concen: 2.228 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV016011.D
Acq: 12 May 2020 13:56

Tgt Ion: 95 Resp: 20135
Ion Ratio Lower Upper
95 100
97 64.9 43.3 80.5
132 92.3 60.3 112.1
130 91.3 66.0 122.6

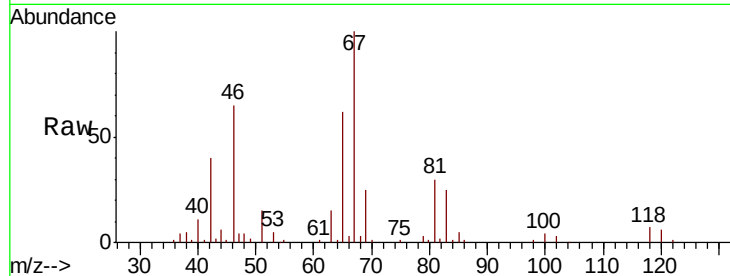




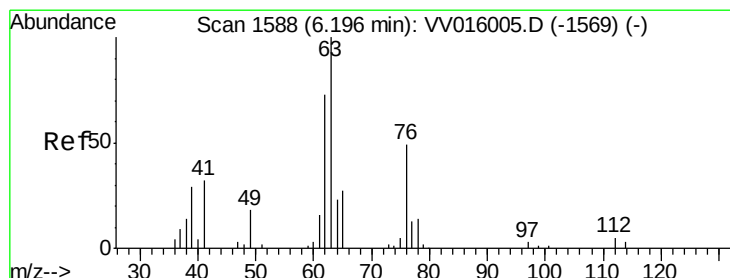
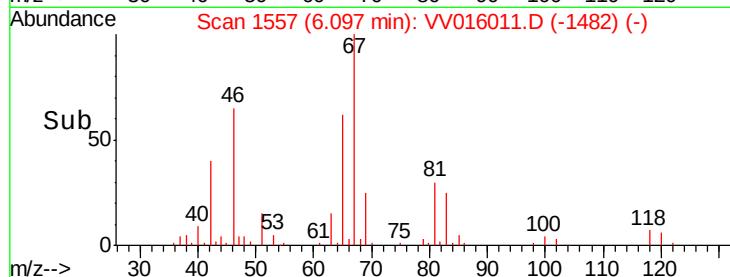
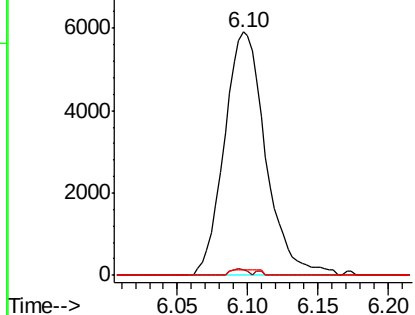
#35
Methylvlcyclohexane
Concen: 0.887 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016011.D
Acq: 12 May 2020 13:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 12121
Ion Ratio Lower Upper
83 100
55 1.0 66.2 99.2#
98 1.0 37.9 56.9#

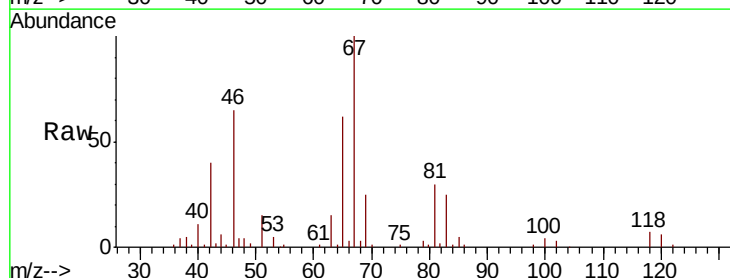


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

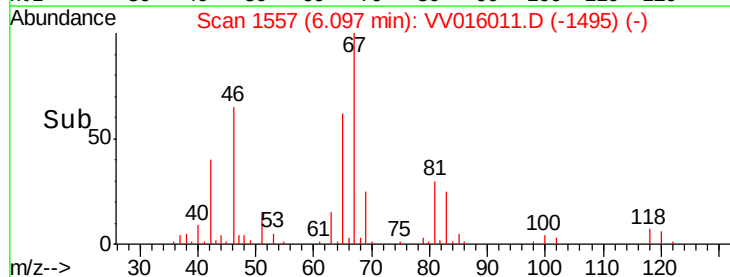
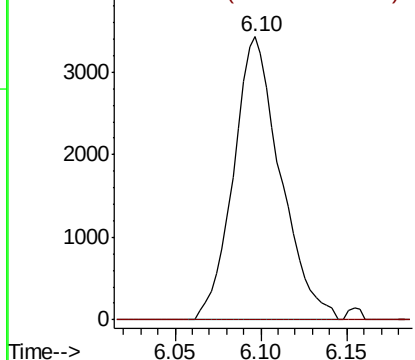


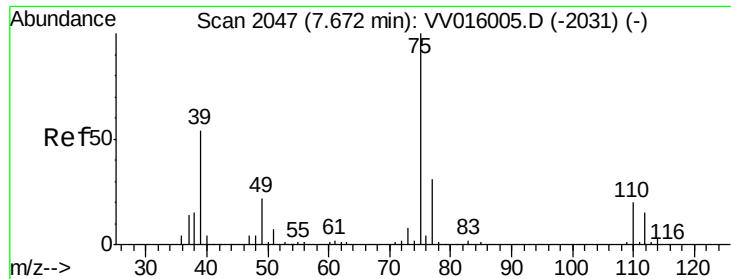
#37
1,2-Dichloropropane
Concen: 0.808 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016011.D
Acq: 12 May 2020 13:56

Tgt Ion: 63 Resp: 6502
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



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

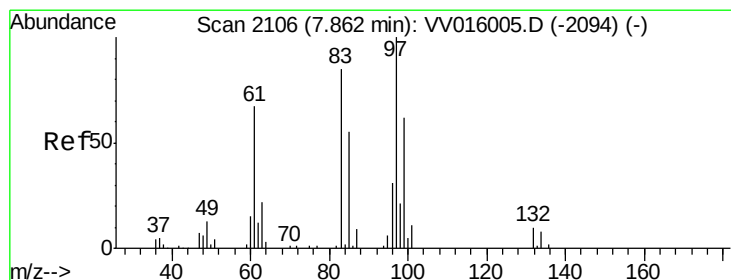
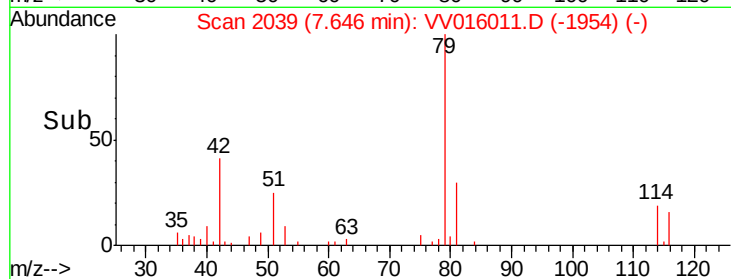
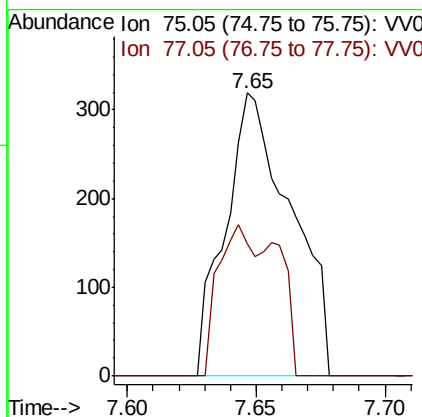
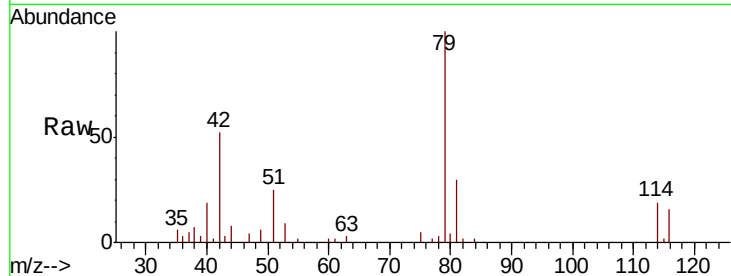




#46
trans-1,3-Dichloropropene
Concen: 0.059 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV016011.D
Acq: 12 May 2020 13:56

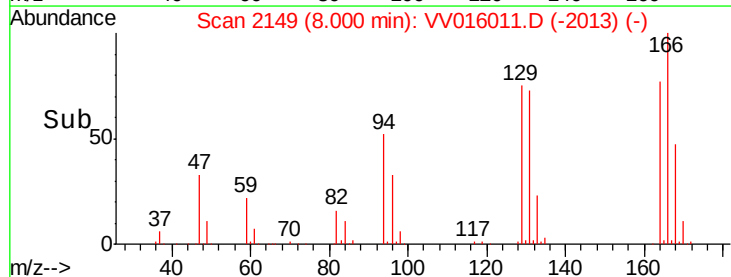
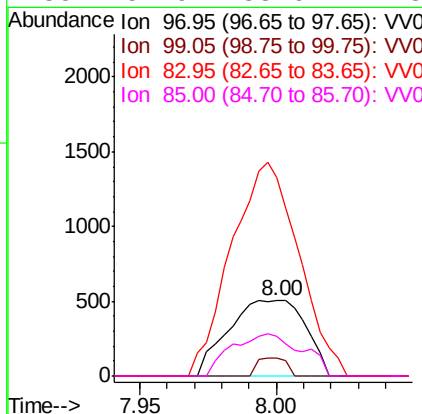
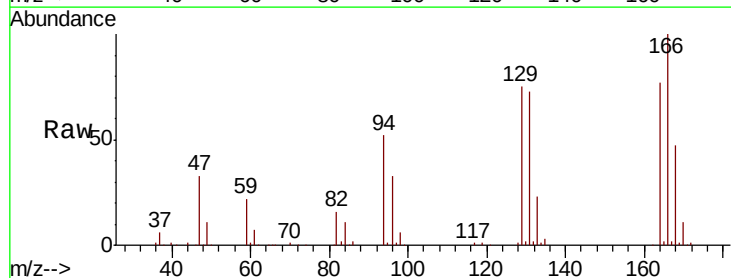
Instrument :
MSVOA_V
ClientSampleId :

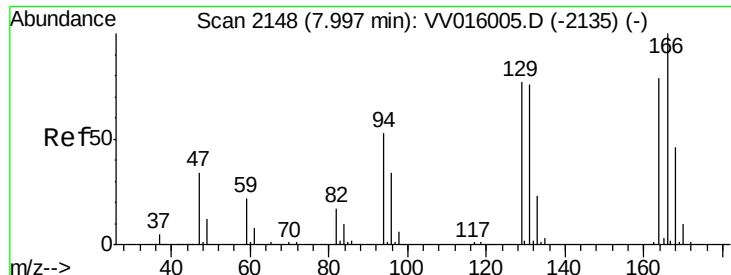
Tot Ion: 75 Resp: 568
Ion Ratio Lower Upper
75 100
77 46.7 21.3 39.6#



#47
1,1,2-Trichloroethane
Concen: 0.184 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.14 min
Lab File: VV016011.D
Acq: 12 May 2020 13:56

Tgt Ion: 97 Resp: 989
Ion Ratio Lower Upper
97 100
99 23.6 42.1 78.1#
83 262.6 59.2 110.0#
85 51.9 38.6 71.8





#49

Tetrachloroethene

Concen: 15.731 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016011.D

Acq: 12 May 2020 13:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 99197

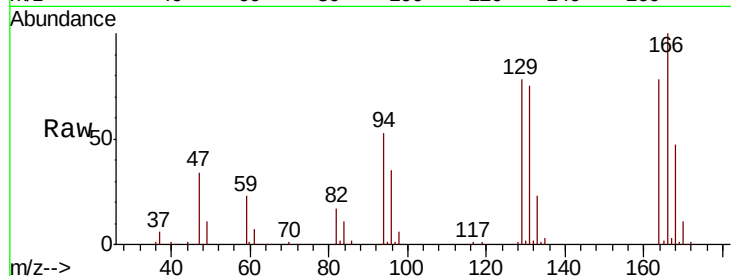
Ion Ratio Lower Upper

164 100

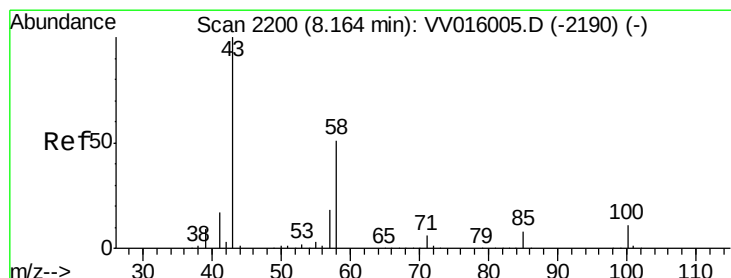
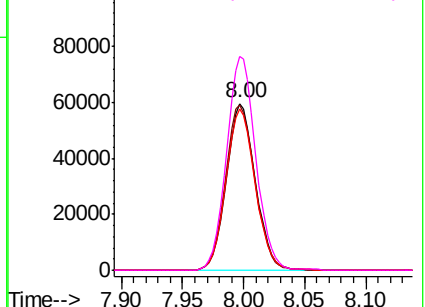
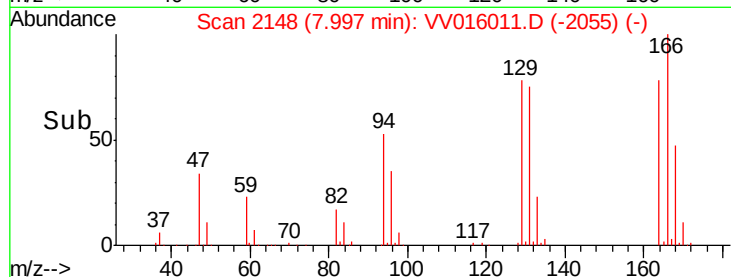
129 99.2 69.7 129.4

131 96.5 66.8 124.2

166 128.0 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: 1.622 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV016011.D

Acq: 12 May 2020 13:56

Tgt Ion: 43 Resp: 5751

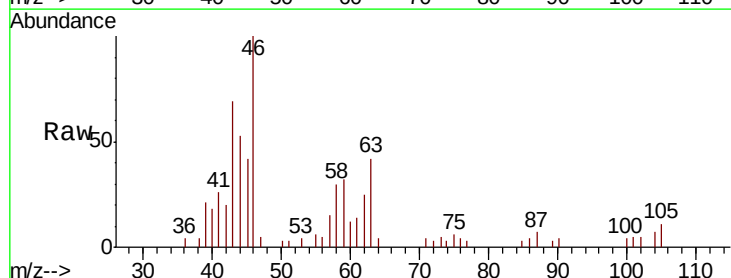
Ion Ratio Lower Upper

43 100

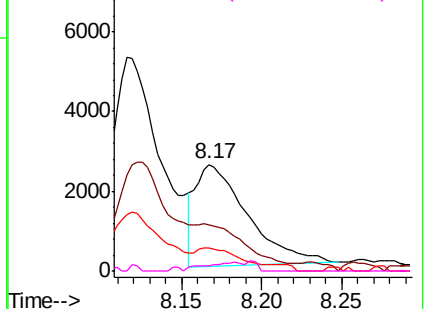
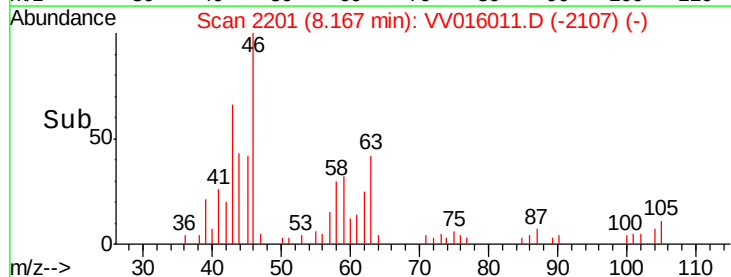
58 4.2 40.8 61.2#

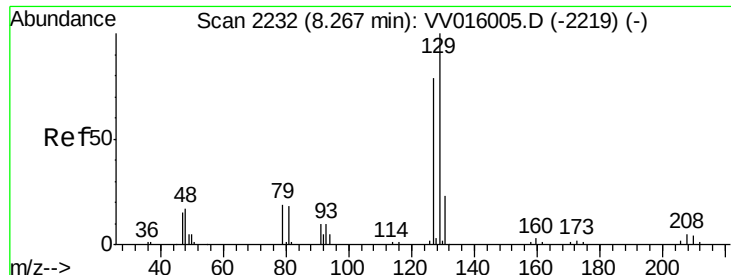
57 13.9 14.7 22.1#

100 6.4 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: 16.132 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016011.D

Acq: 12 May 2020 13:56

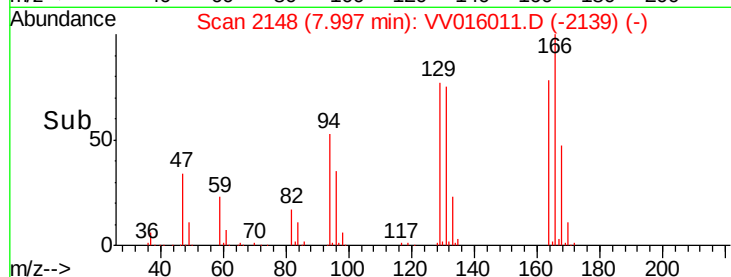
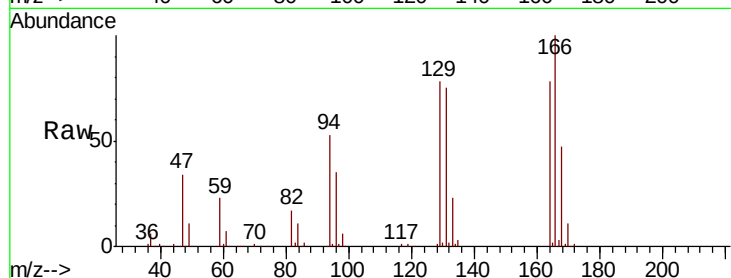
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 97376

Ion Ratio Lower Upper

129 100

127 0.0 56.0 104.0#



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

