

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016015.D
 Acq On : 12 May 2020 15:30
 Operator : SY/MD
 Sample : L2541-18
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:58:19 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	133322	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	132248	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	56672	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29833	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.58	69	31624	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.12	63	48784	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	3.94	46	107057	51.89	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.78%
24) Chloroform-d	4.38	84	75838	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.06	65	46899	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.08	84	149772	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.10	67	49149	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.34	98	128726	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
45) trans-1,3-Dichloropropene-	7.65	79	12314	3.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.40%
48) 2-Hexanone-d5	8.12	63	69014	41.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.34%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34418	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	48340	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

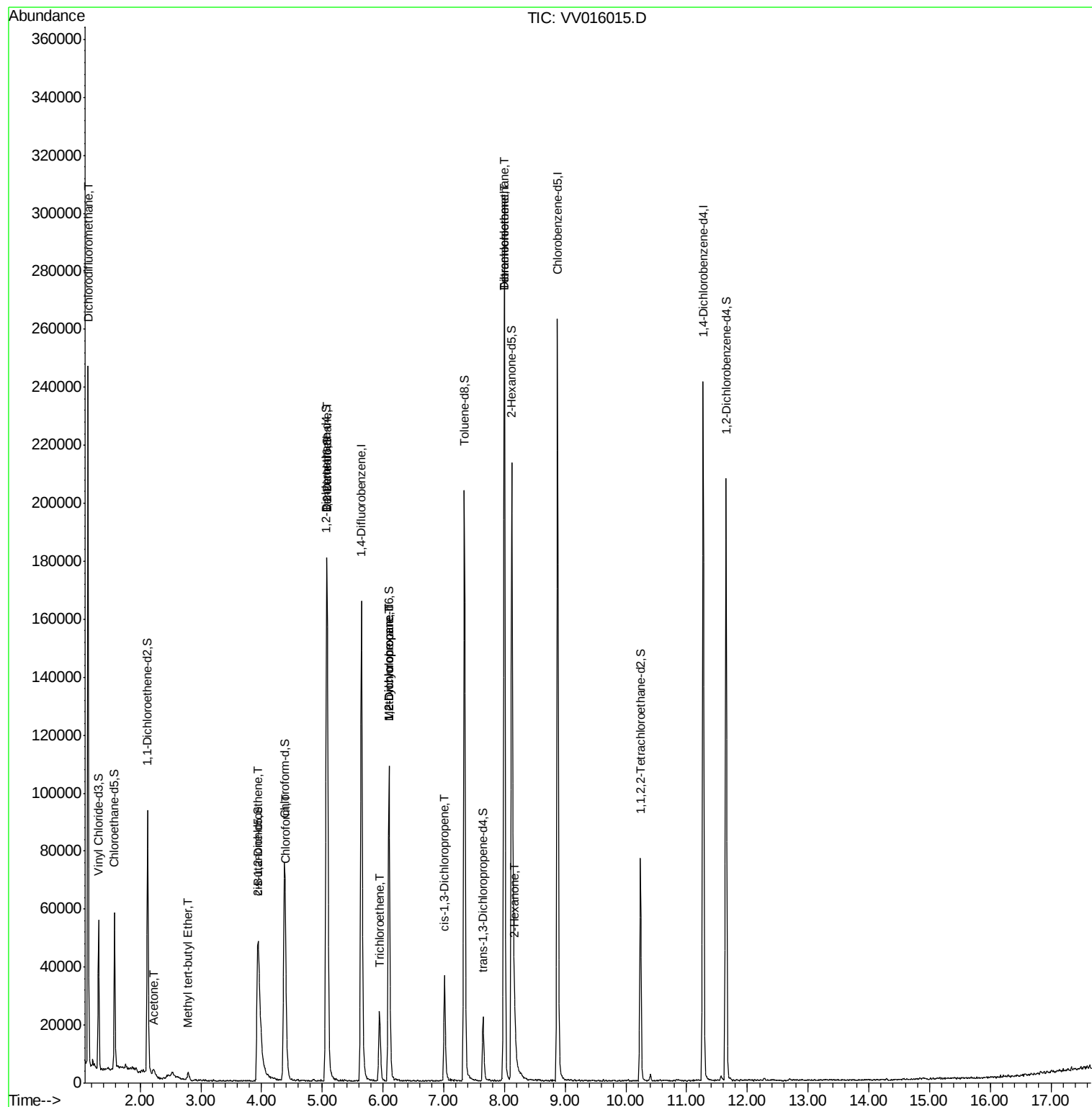
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	2575	0.252	ug/L	91
13) Acetone	2.22	43	5548	4.076	ug/L	82
17) Methyl tert-butyl Ether	2.79	73	2402	0.126	ug/L #	89
22) cis-1,2-Dichloroethene	3.95	96	1354	0.160	ug/L	75
25) Chloroform	4.40	83	8845	0.514	ug/L	98
27) 1,2-Dichloroethane	5.08	62	1007	0.095	ug/L #	76
34) Trichloroethene	5.94	95	7745	0.816	ug/L	97
35) Methylcyclohexane	6.10	83	12284	0.855	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	6348	0.751	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1081	0.090	ug/L	85
49) Tetrachloroethene	8.00	164	61546	9.288	ug/L	99
50) 2-Hexanone	8.17	43	7548	2.026	ug/L #	95
51) Dibromochloromethane	8.00	129	59691	9.410	ug/L #	9

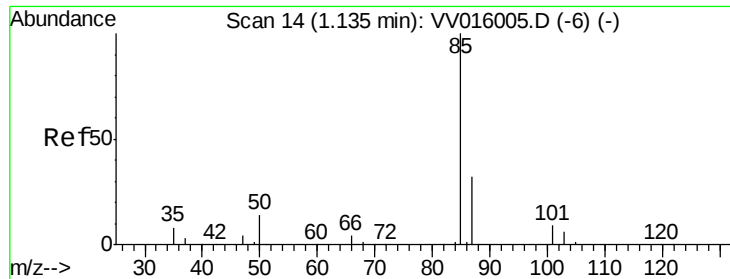
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.252 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016015.D

Acq: 12 May 2020 15:30

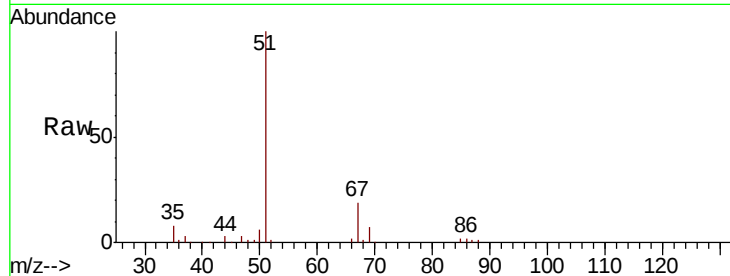
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 2575

Ion Ratio Lower Upper

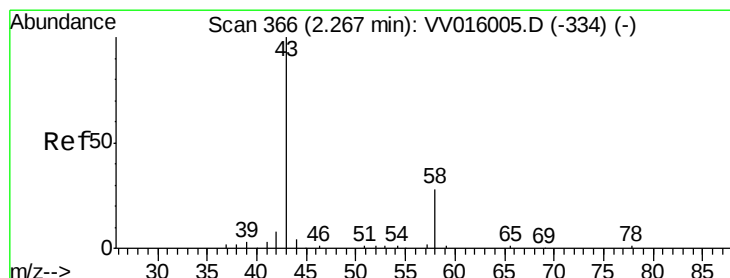
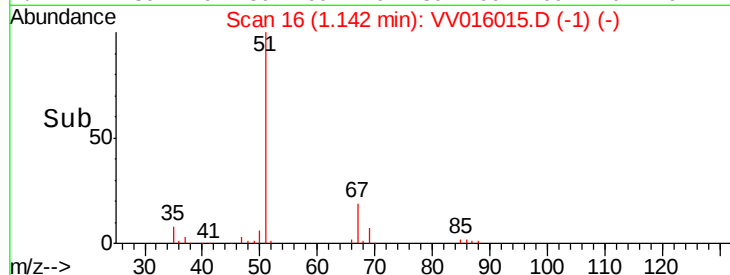
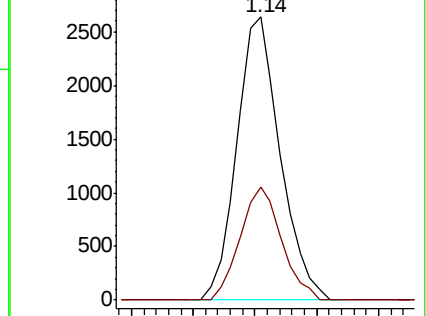
85 100

87 38.2 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#13

Acetone

Concen: 4.076 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.05 min

Lab File: VV016015.D

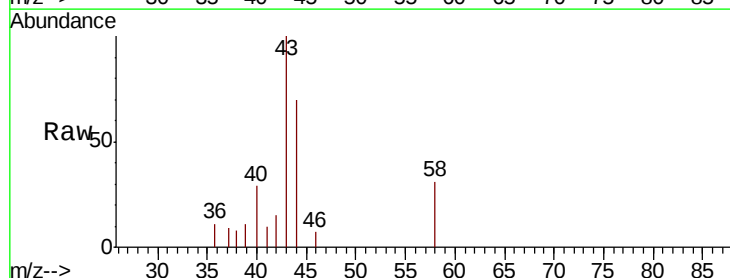
Acq: 12 May 2020 15:30

Tgt Ion: 43 Resp: 5548

Ion Ratio Lower Upper

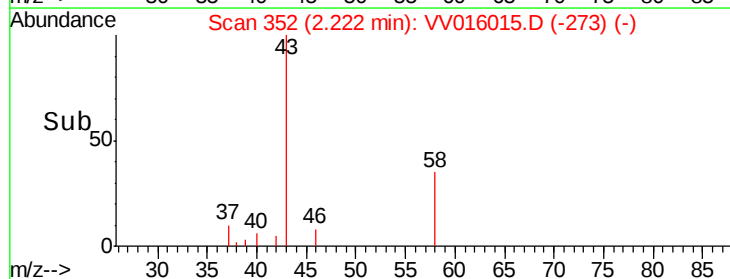
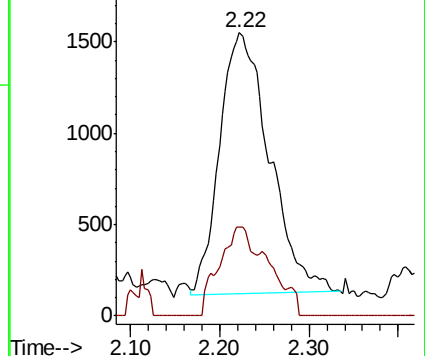
43 100

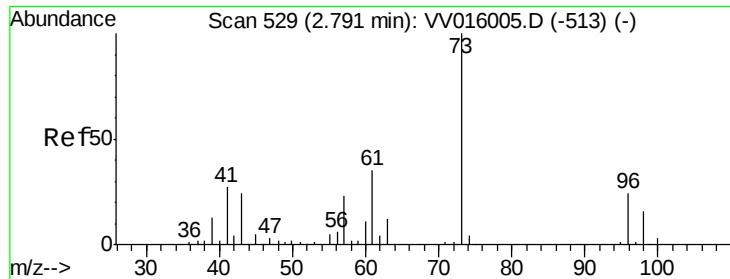
58 22.8 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

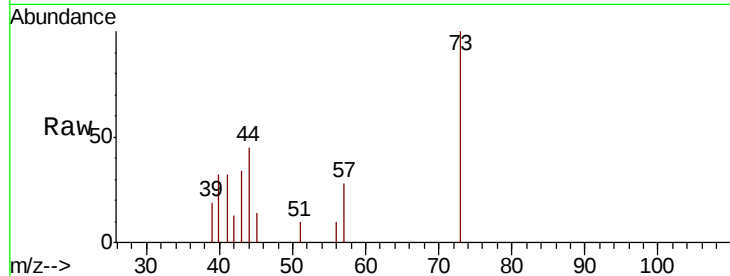




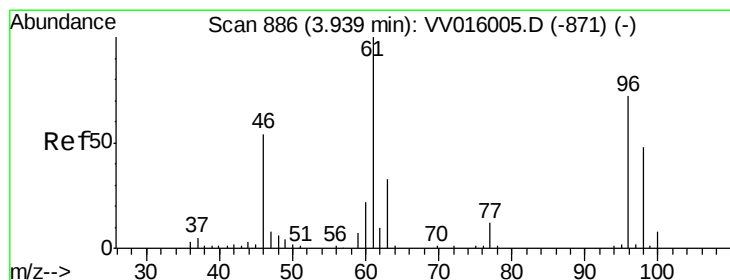
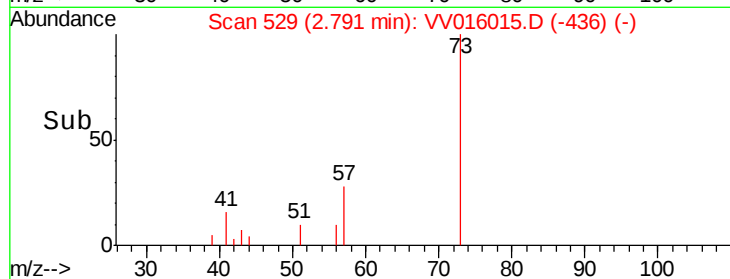
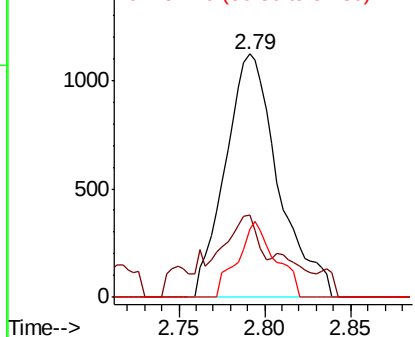
#17
Methvl tert-butvl Ether
Concen: 0.126 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV016015.D
Acq: 12 May 2020 15:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 2402
Ion Ratio Lower Upper
73 100
43 12.8 18.8 28.2#
57 22.0 17.8 26.6

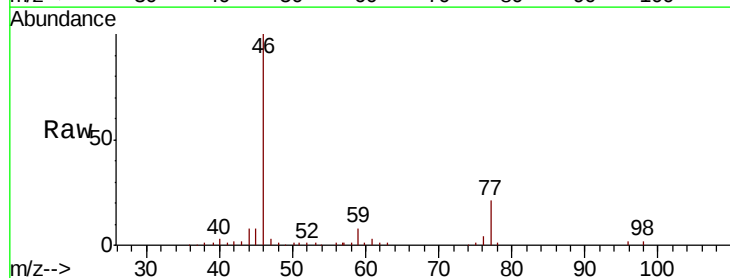


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

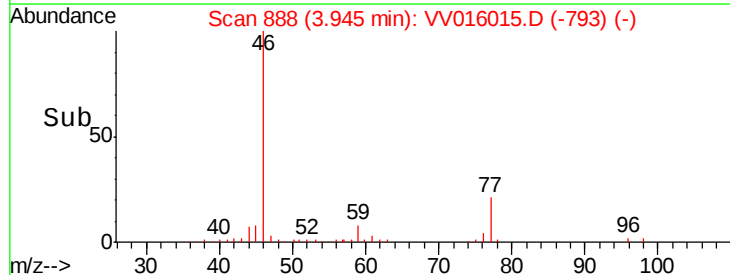
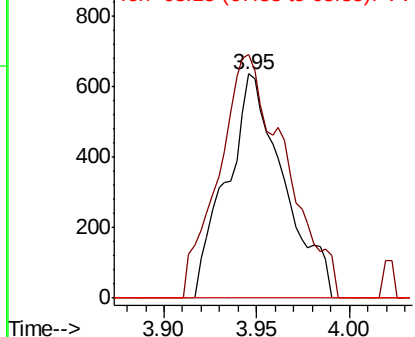


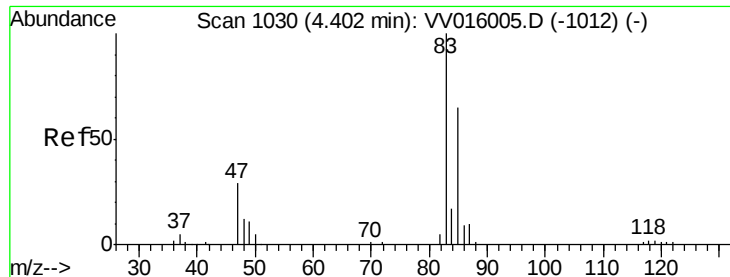
#22
cis-1,2-Dichloroethene
Concen: 0.160 ug/L
RT: 3.95 min Scan# 888
Delta R.T. 0.01 min
Lab File: VV016015.D
Acq: 12 May 2020 15:30

Tgt Ion: 96 Resp: 1354
Ion Ratio Lower Upper
96 100
61 108.5 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

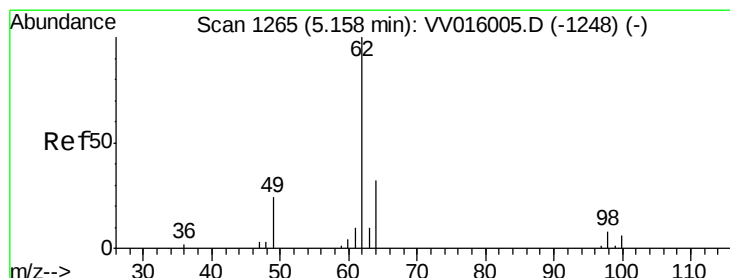
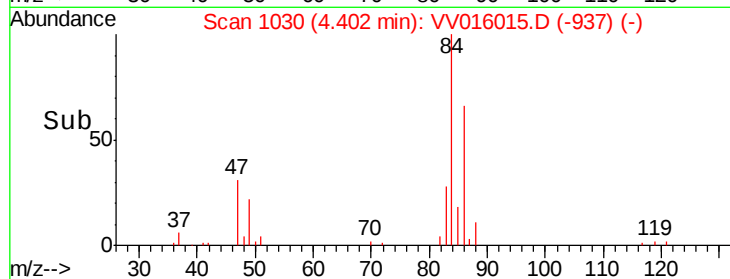
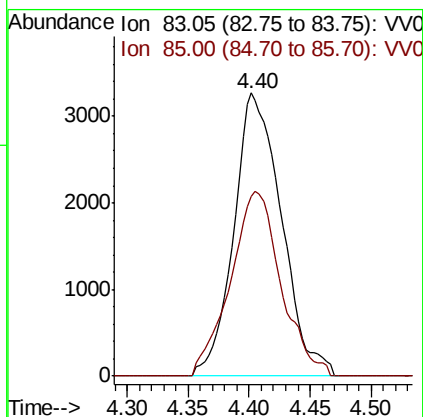
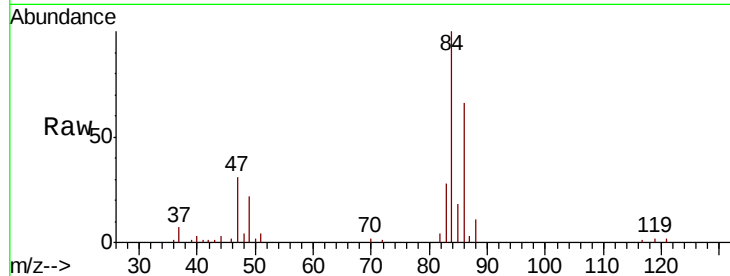




#25
Chloroform
Concen: 0.514 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016015.D
Acq: 12 May 2020 15:30

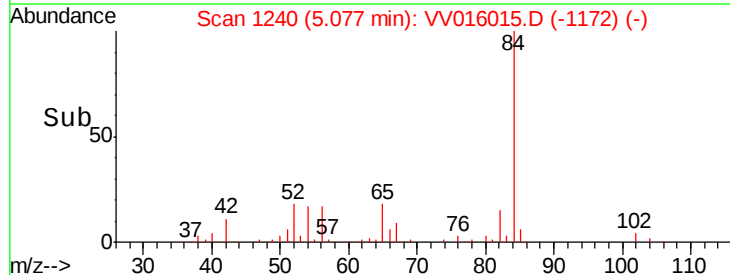
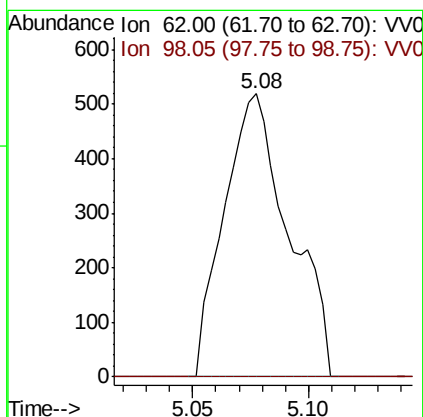
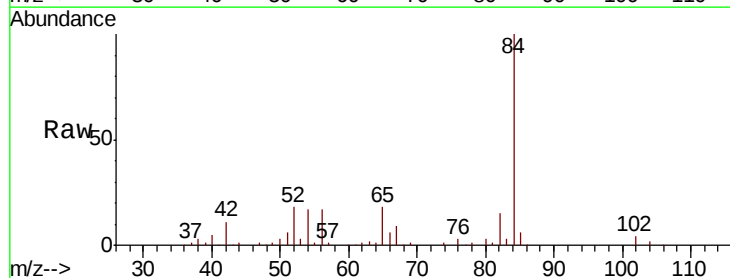
Instrument :
MSVOA_V
ClientSampleId :

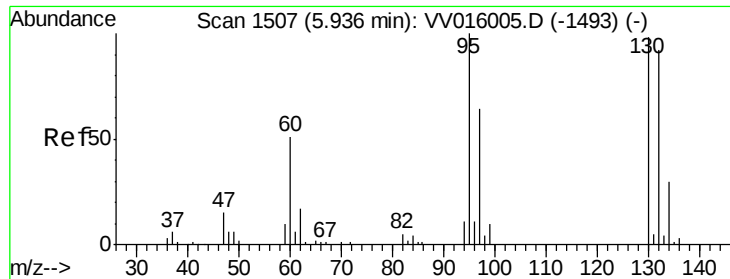
Tot Ion: 83 Resp: 8845
Ion Ratio Lower Upper
83 100
85 63.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.095 ug/L
RT: 5.08 min Scan# 1240
Delta R.T. -0.08 min
Lab File: VV016015.D
Acq: 12 May 2020 15:30

Tgt Ion: 62 Resp: 1007
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#





#34

Trichloroethene

Concen: 0.816 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016015.D

Acq: 12 May 2020 15:30

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 7745

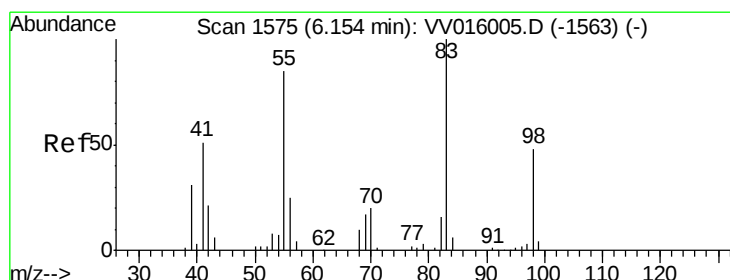
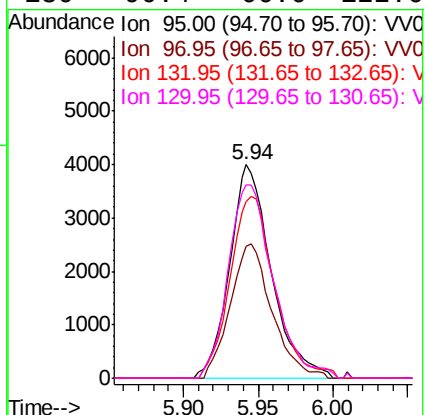
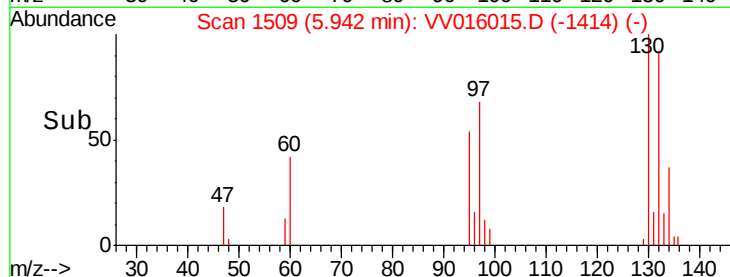
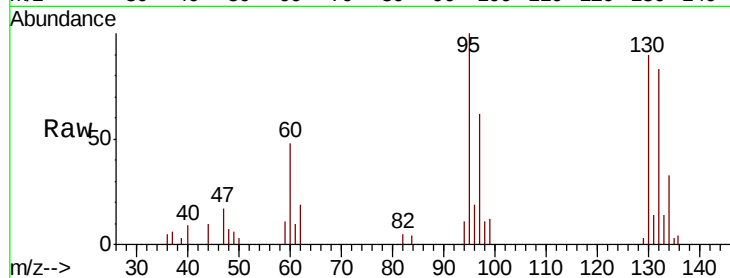
Ion Ratio Lower Upper

95 100

97 61.6 43.3 80.5

132 82.9 60.3 112.1

130 90.4 66.0 122.6



#35

Methylcyclohexane

Concen: 0.855 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016015.D

Acq: 12 May 2020 15:30

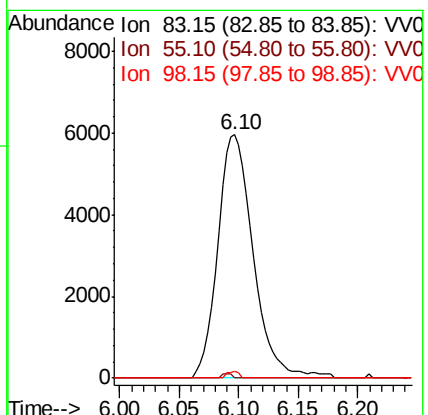
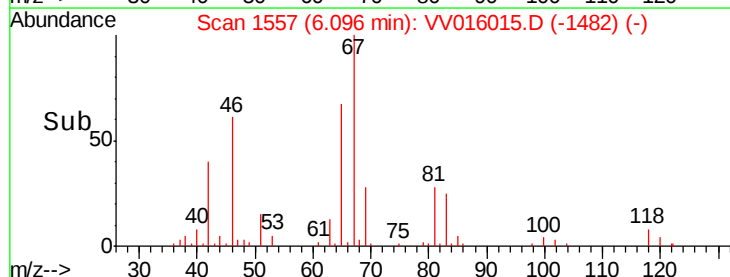
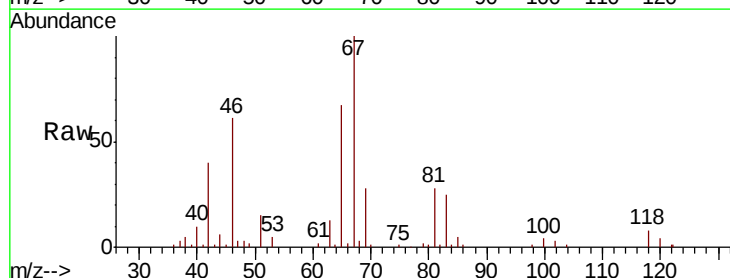
Tgt Ion: 83 Resp: 12284

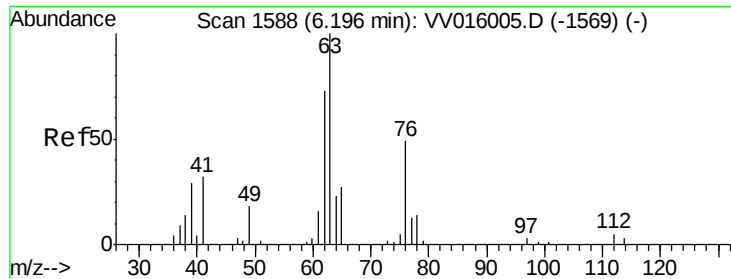
Ion Ratio Lower Upper

83 100

55 0.5 66.2 99.2#

98 0.9 37.9 56.9#

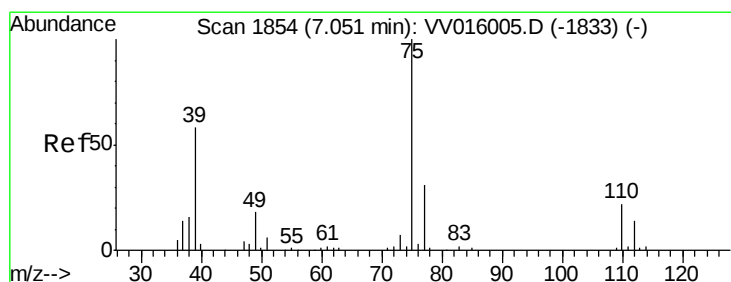
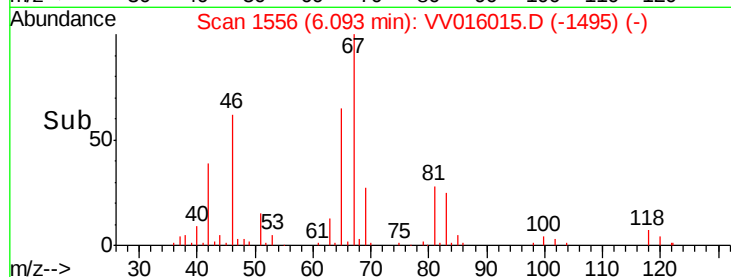
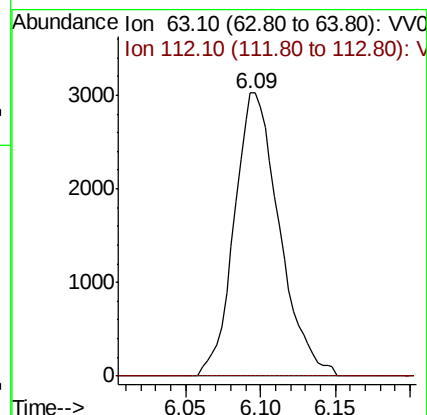
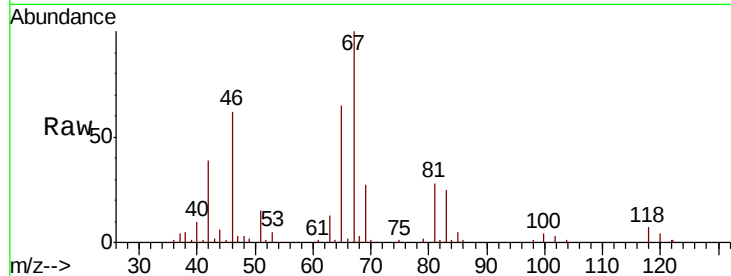




#37
 1,2-Dichloropropane
 Concen: 0.751 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV016015.D
 Acq: 12 May 2020 15:30

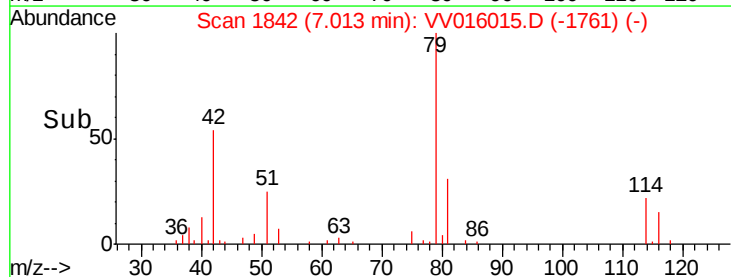
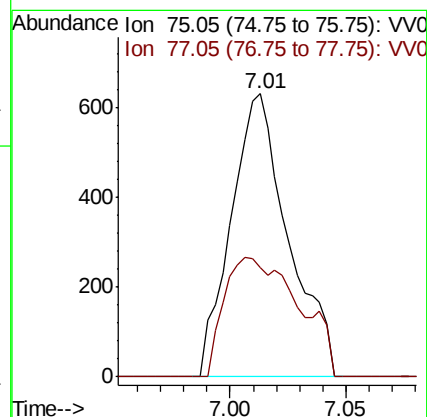
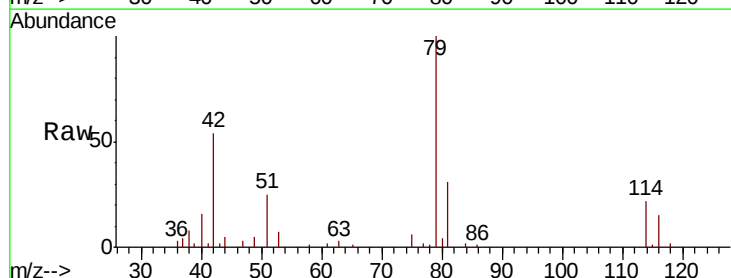
Instrument :
 MSVOA_V
 ClientSampleId :

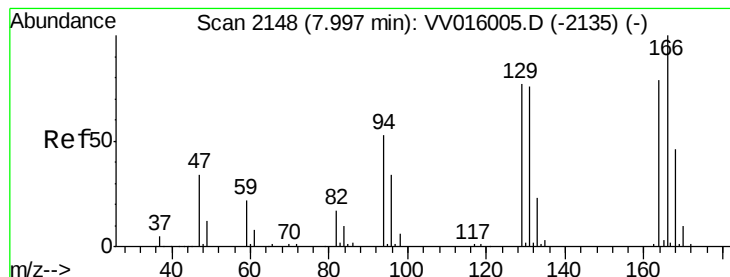
Tot Ion: 63 Resp: 6348
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016015.D
 Acq: 12 May 2020 15:30

Tgt Ion: 75 Resp: 1081
 Ion Ratio Lower Upper
 75 100
 77 38.4 21.3 39.5





#49

Tetrachloroethene

Concen: 9.288 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016015.D

Acq: 12 May 2020 15:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 61546

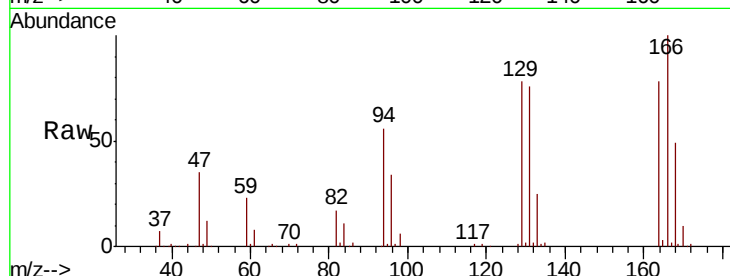
Ion Ratio Lower Upper

164 100

129 99.7 69.7 129.4

131 97.6 66.8 124.2

166 128.2 89.1 165.5

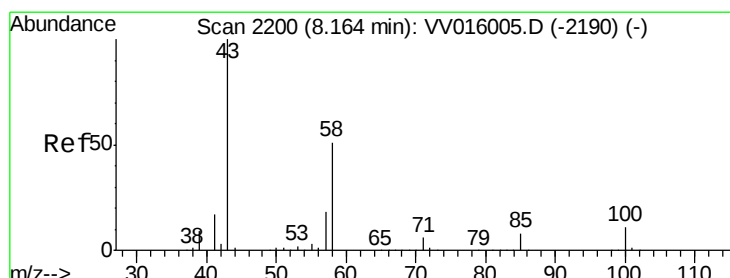
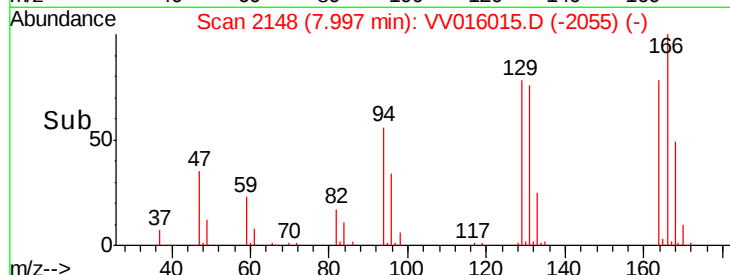
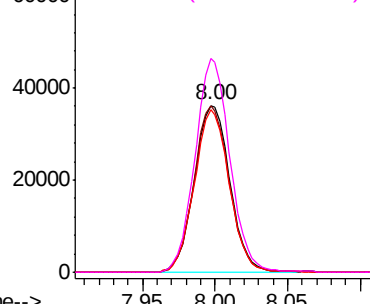


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.026 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV016015.D

Acq: 12 May 2020 15:30

Tgt Ion: 43 Resp: 7548

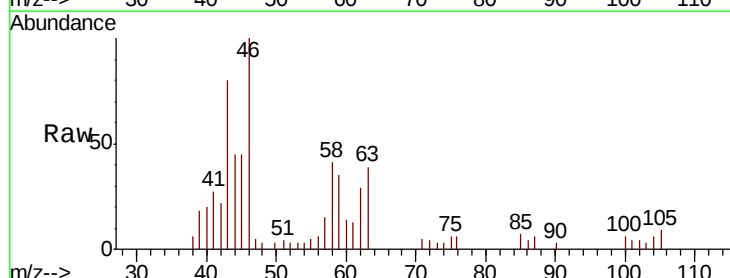
Ion Ratio Lower Upper

43 100

58 48.4 40.8 61.2

57 20.4 14.7 22.1

100 8.3 9.0 13.6#

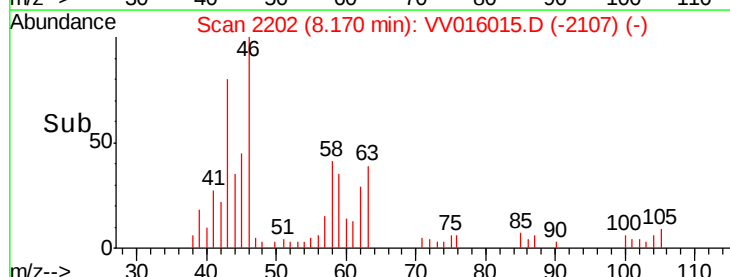
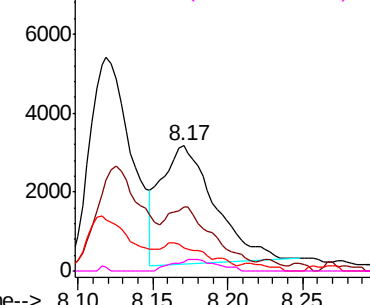


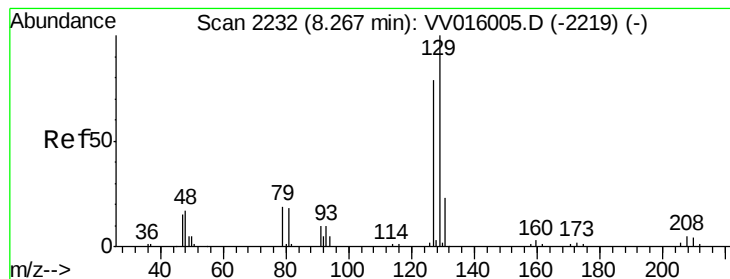
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 9.410 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016015.D

Acq: 12 May 2020 15:30

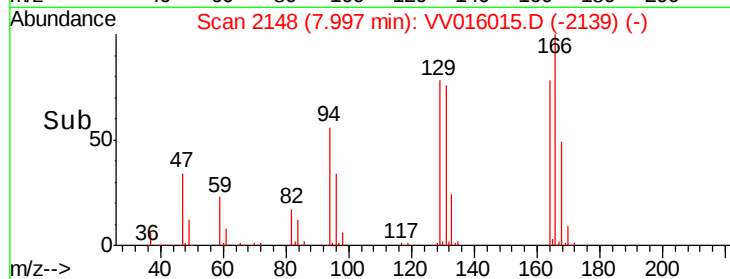
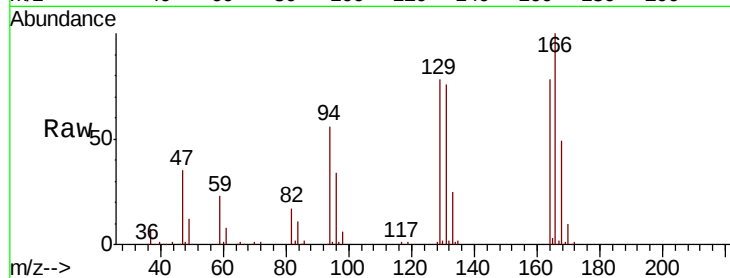
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 59691

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

