

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
 Data File : VV015582.D
 Acq On : 20 Apr 2020 14:55
 Operator : SY/MD
 Sample : L2333-04DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 21 00:10:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 00:05:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	99013	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	92788	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	46542	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	22457	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	22312	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.12	63	36452	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	3.95	46	83783	58.08	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.16%
24) Chloroform-d	4.38	84	54083	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.06	65	31468	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.08	84	101154	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.10	67	32588	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.34	98	90664	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.64	79	10861	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	8.11	63	66217	49.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	23499	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	35741	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

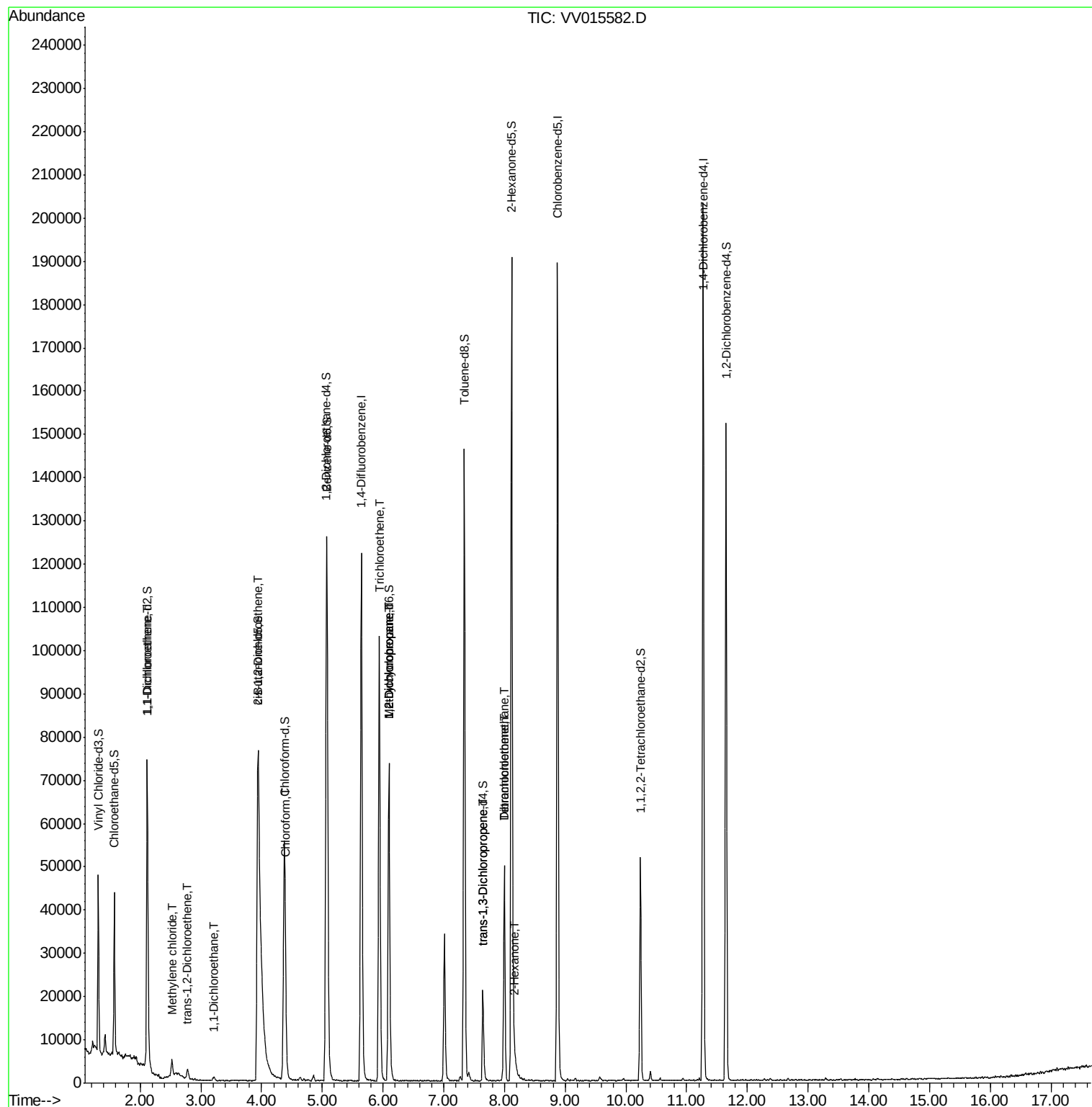
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	3998	0.643	ug/L #	1
16) Methylene chloride	2.52	84	1410	0.194	ug/L	84
18) trans-1,2-Dichloroethene	2.78	96	819	0.117	ug/L	82
19) 1,1-Dichloroethane	3.22	63	1112	0.084	ug/L #	66
22) cis-1,2-Dichloroethene	3.94	96	25962	3.570	ug/L	100
25) Chloroform	4.40	83	1795	0.133	ug/L	92
34) Trichloroethene	5.94	95	35037	4.687	ug/L	97
35) Methylcyclohexane	6.10	83	8055	0.640	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	3999	0.581	ug/L #	86
44) trans-1,3-Dichloropropene	7.65	75	668	0.075	ug/L	94
47) Tetrachloroethene	8.00	164	9643	1.741	ug/L	95
48) 2-Hexanone	8.17	43	2898	0.917	ug/L #	75
49) Dibromochloromethane	8.00	129	9652	1.740	ug/L #	10

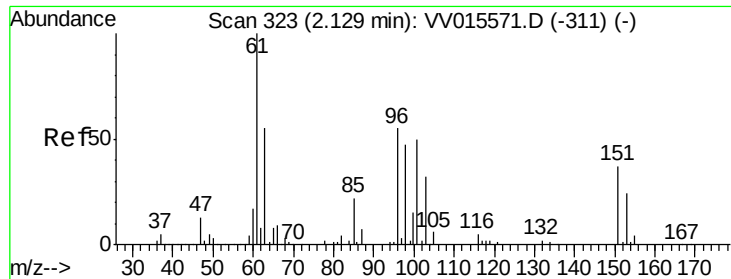
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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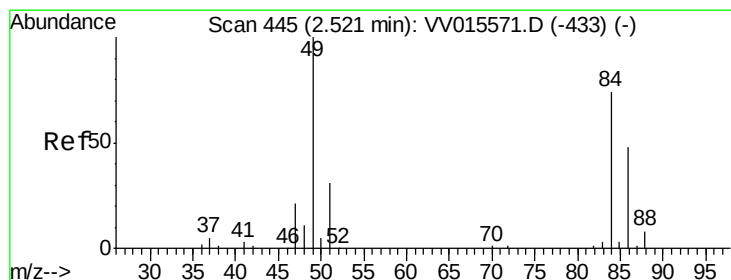
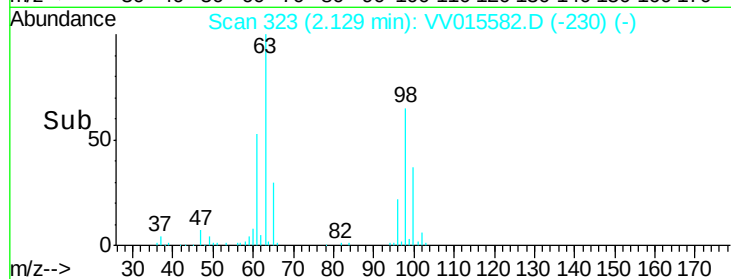
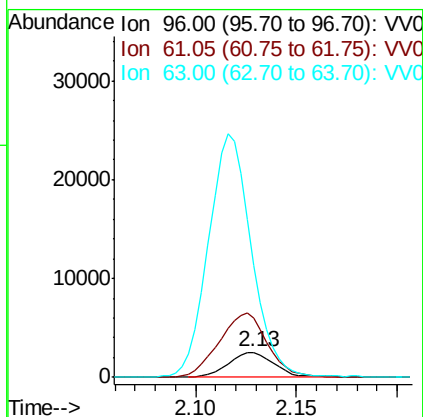
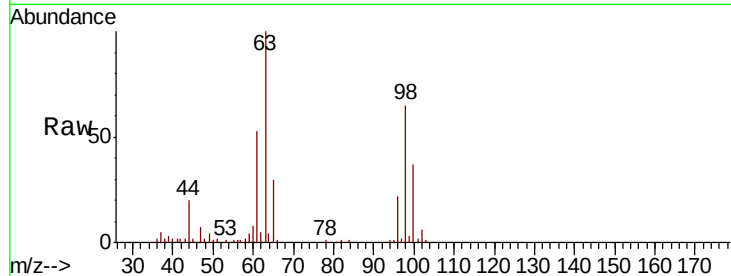




#12
 1,1-Dichloroethene
 Concen: 0.643 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV015582.D
 Acq: 20 Apr 2020 14:55

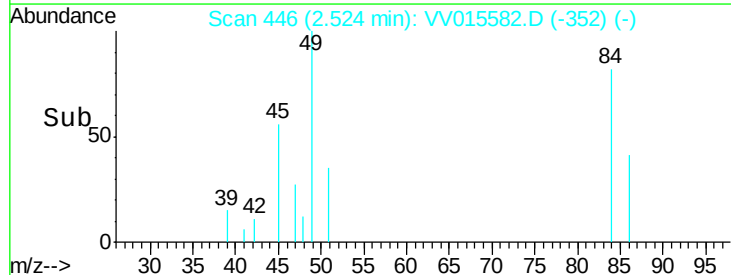
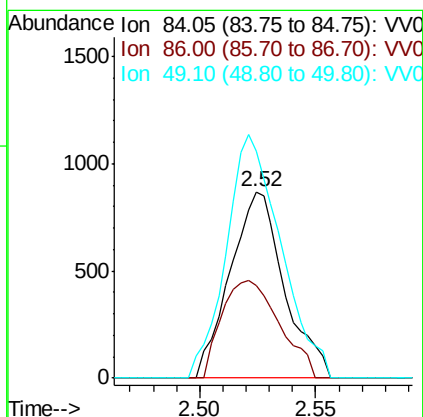
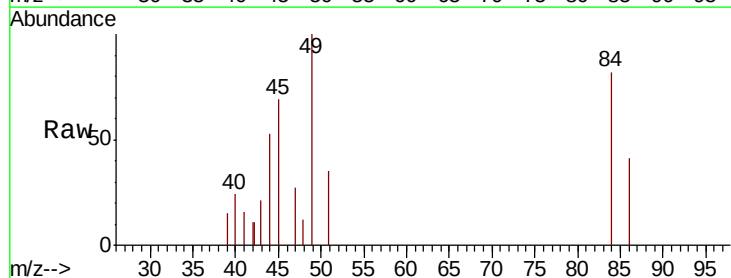
Instrument :
 MSVOA_V
 ClientSampleId :

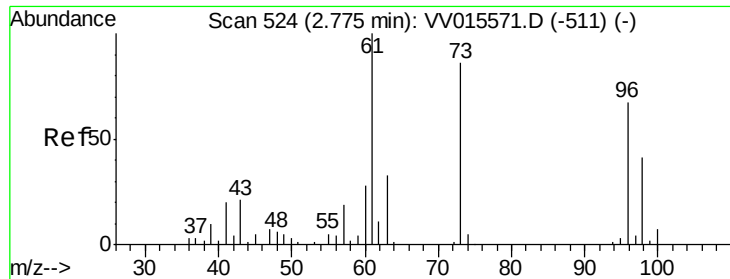
Tot Ion: 96 Resp: 3998
 Ion Ratio Lower Upper
 96 100
 61 235.6 127.7 237.1
 63 447.0 75.1 139.5#



#16
 Methylene chloride
 Concen: 0.194 ug/L
 RT: 2.52 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: VV015582.D
 Acq: 20 Apr 2020 14:55

Tgt Ion: 84 Resp: 1410
 Ion Ratio Lower Upper
 84 100
 86 49.8 45.1 83.7
 49 121.4 97.9 181.7

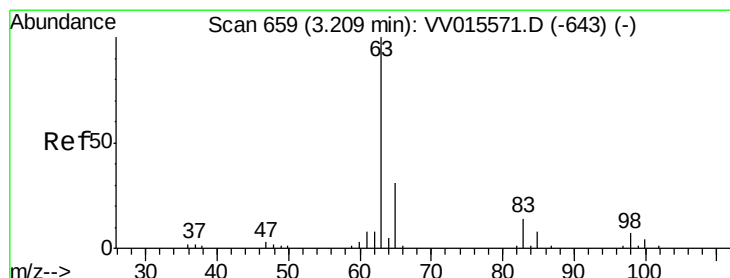
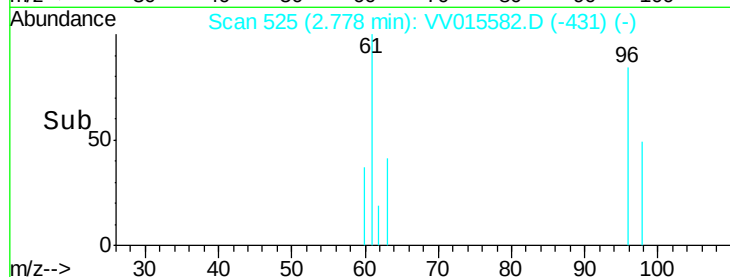
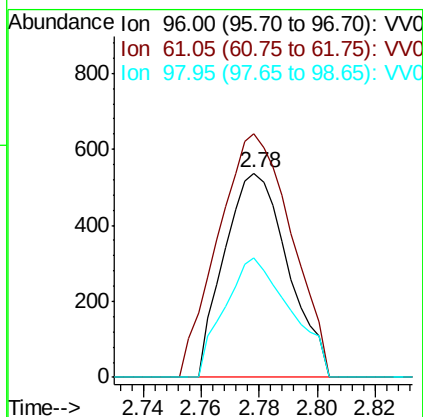
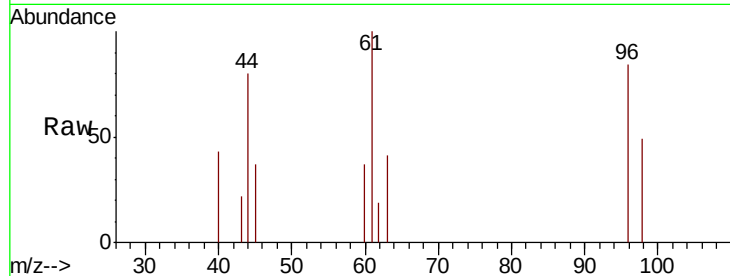




#18
trans-1,2-Dichloroethene
Concen: 0.117 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015582.D
Acq: 20 Apr 2020 14:55

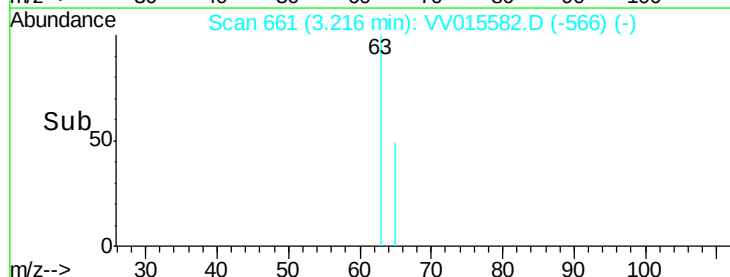
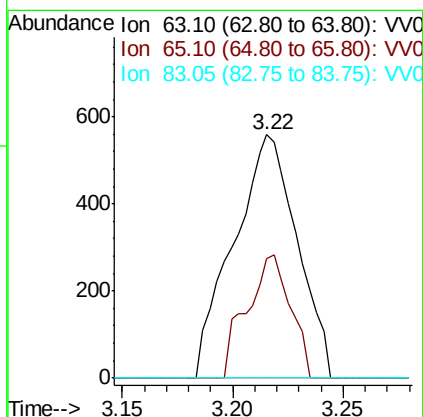
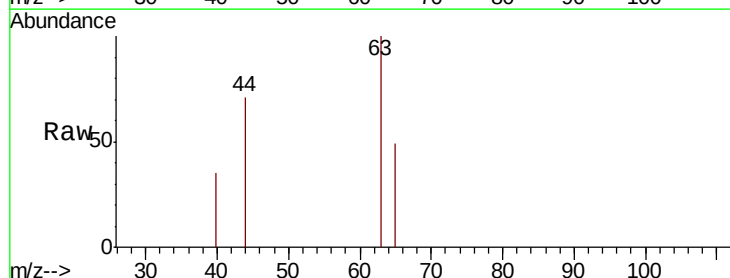
Instrument :
MSVOA_V
ClientSampleId :

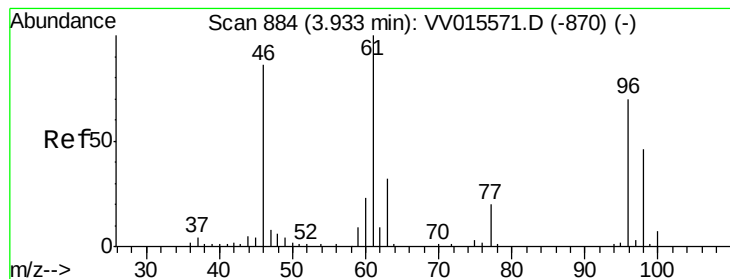
Tot Ion: 96 Resp: 819
Ion Ratio Lower Upper
96 100
61 119.1 104.4 194.0
98 58.2 42.8 79.4



#19
1,1-Dichloroethane
Concen: 0.084 ug/L
RT: 3.22 min Scan# 661
Delta R.T. 0.01 min
Lab File: VV015582.D
Acq: 20 Apr 2020 14:55

Tgt Ion: 63 Resp: 1112
Ion Ratio Lower Upper
63 100
65 49.2 21.3 39.6#
83 0.0 9.4 17.6#



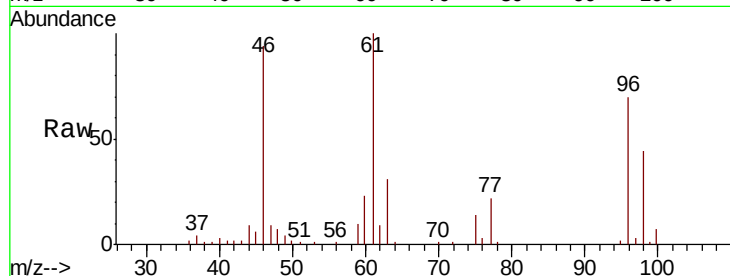


#22

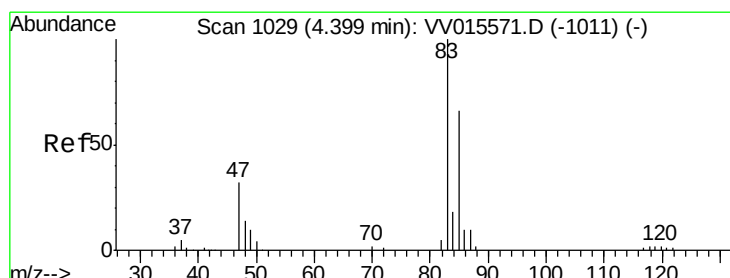
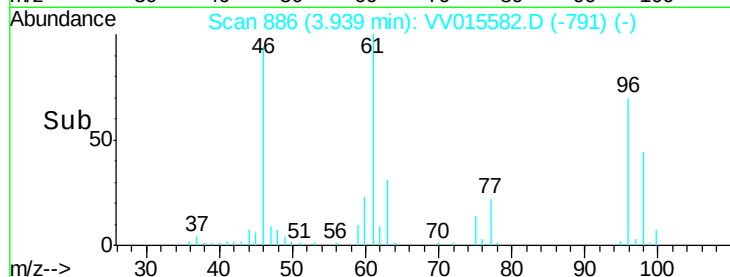
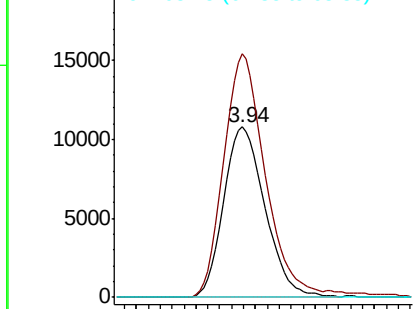
cis-1,2-Dichloroethene
 Concen: 3.570 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV015582.D
 Acq: 20 Apr 2020 14:55

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 25962
 Ion Ratio Lower Upper
 96 100
 61 143.1 100.0 185.8
 68 0.0 0.0 0.0



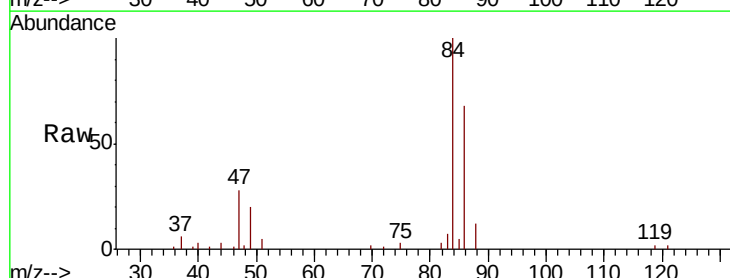
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



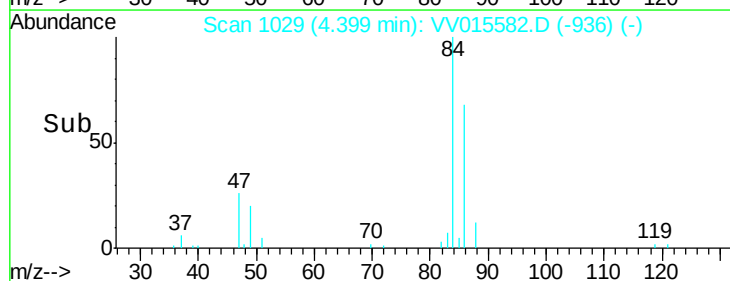
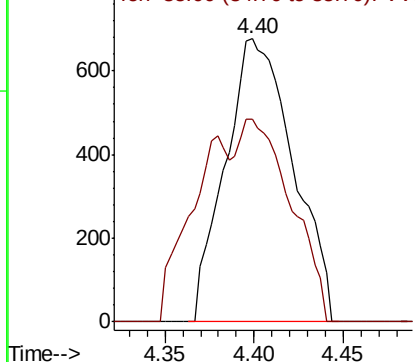
#25

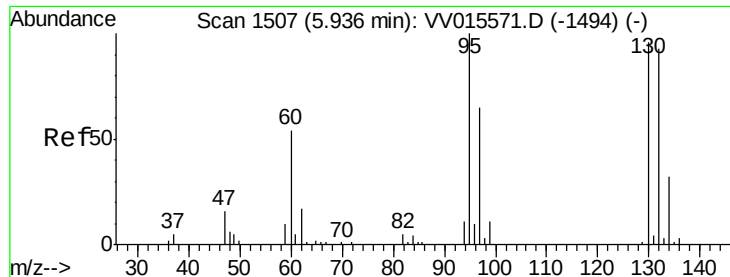
Chloroform
 Concen: 0.133 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV015582.D
 Acq: 20 Apr 2020 14:55

Tgt Ion: 83 Resp: 1795
 Ion Ratio Lower Upper
 83 100
 85 71.8 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 4.687 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015582.D

Acq: 20 Apr 2020 14:55

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 35037

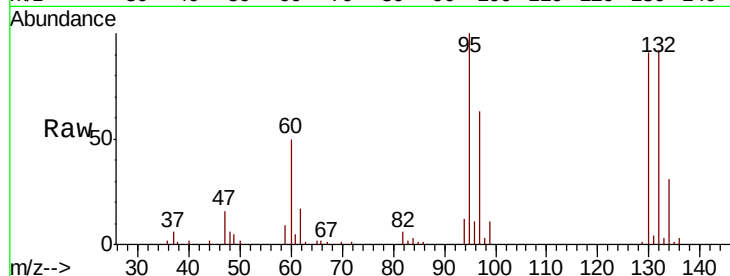
Ion Ratio Lower Upper

95 100

97 62.9 45.4 84.4

132 91.6 64.8 120.4

130 91.0 67.4 125.2

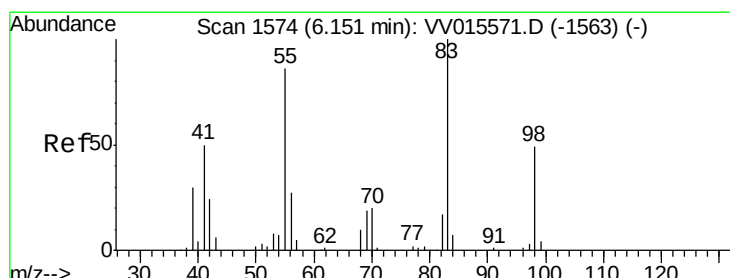
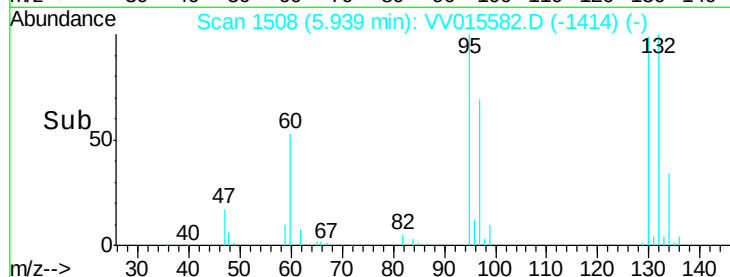
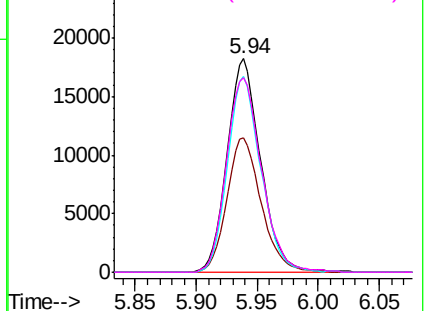


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.640 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV015582.D

Acq: 20 Apr 2020 14:55

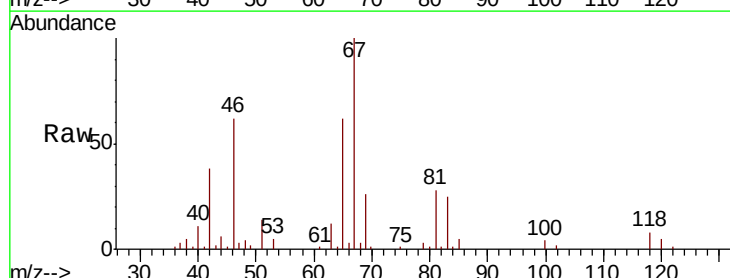
Tgt Ion: 83 Resp: 8055

Ion Ratio Lower Upper

83 100

55 3.4 66.6 99.8#

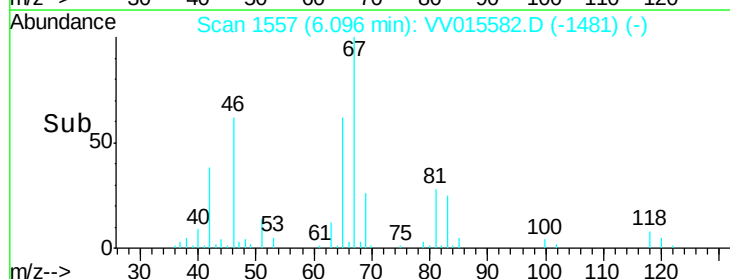
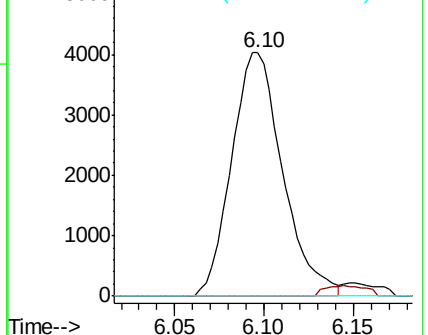
98 1.3 38.7 58.1#

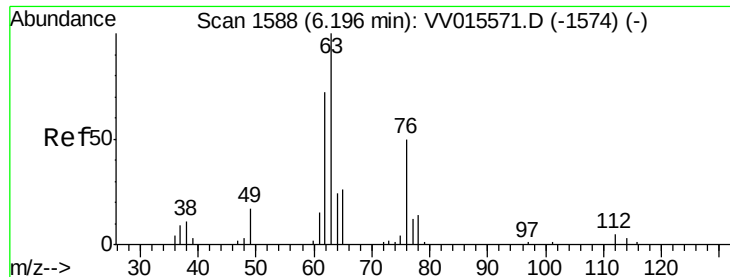


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

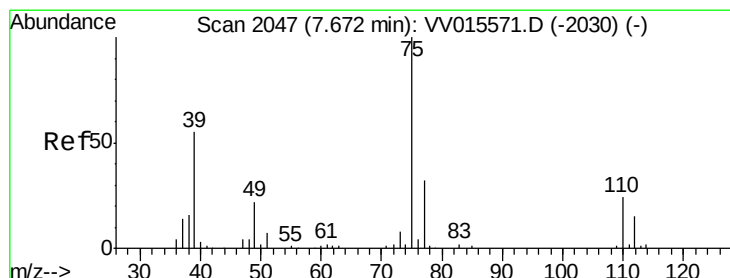
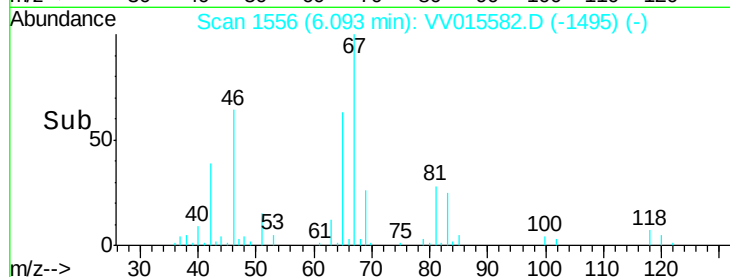
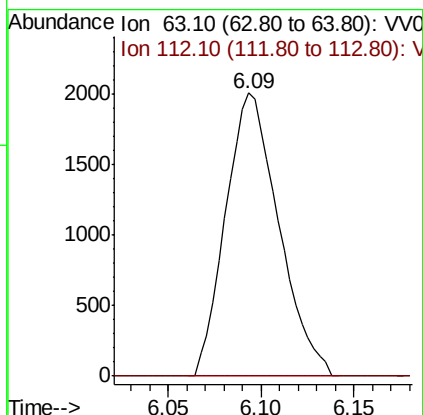
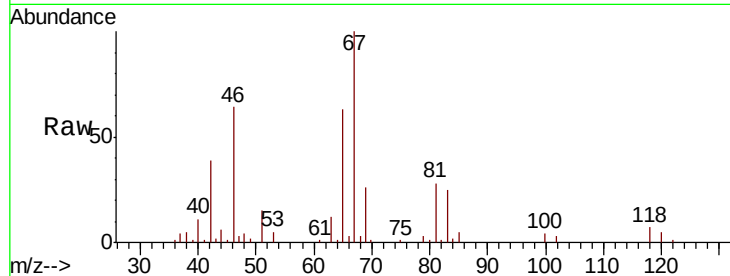




#37
 1,2-Dichloropropane
 Concen: 0.581 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015582.D
 Acq: 20 Apr 2020 14:55

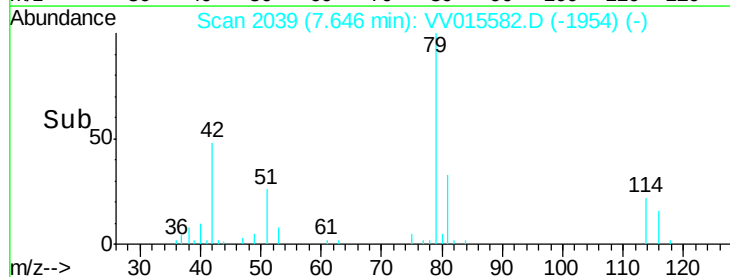
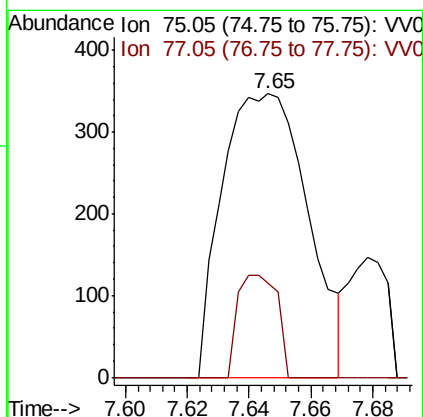
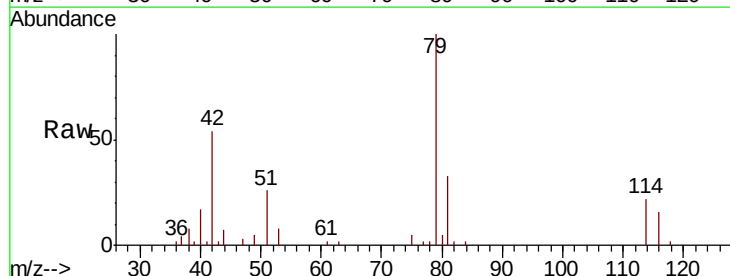
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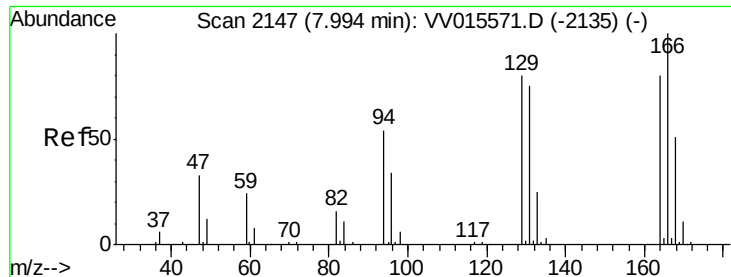
Tot Ion: 63 Resp: 3999
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV015582.D
 Acq: 20 Apr 2020 14:55

Tgt Ion: 75 Resp: 668
 Ion Ratio Lower Upper
 75 100
 77 33.4 21.0 39.0

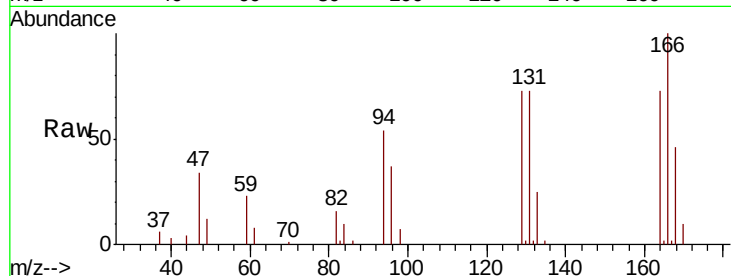




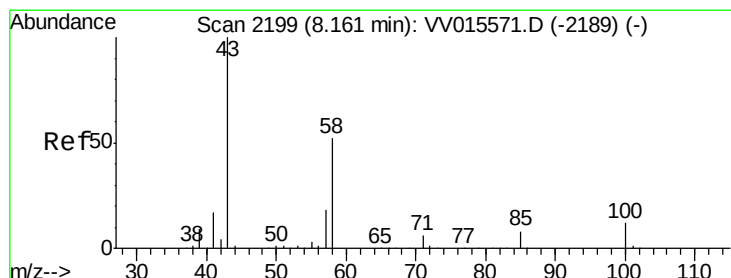
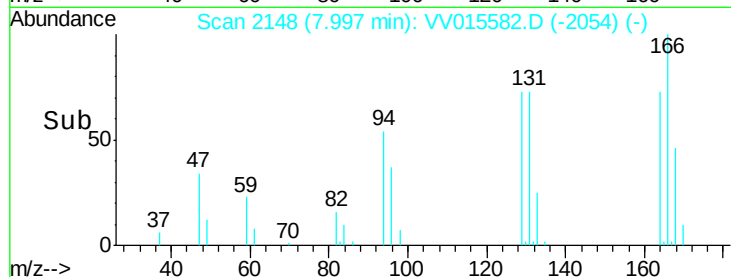
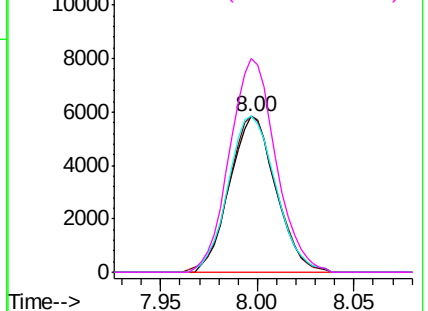
#47
Tetrachloroethene
Concen: 1.741 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015582.D
Acq: 20 Apr 2020 14:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 9643
Ion Ratio Lower Upper
164 100
129 100.5 70.6 131.0
131 100.2 68.3 126.8
166 136.9 88.3 163.9

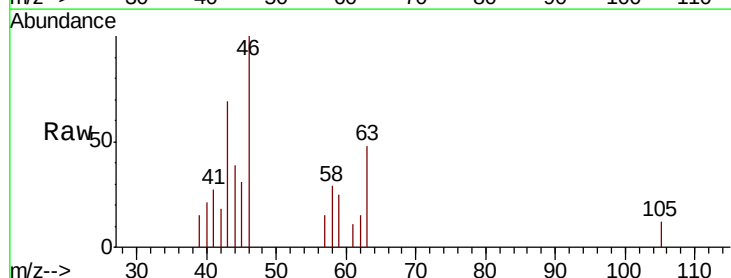


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

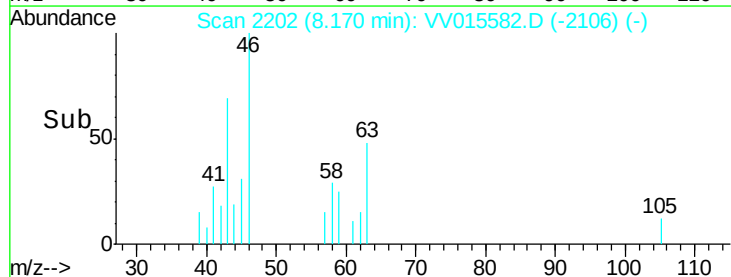
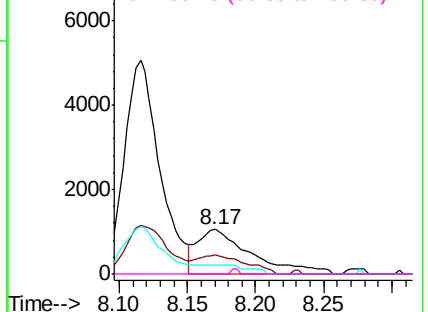


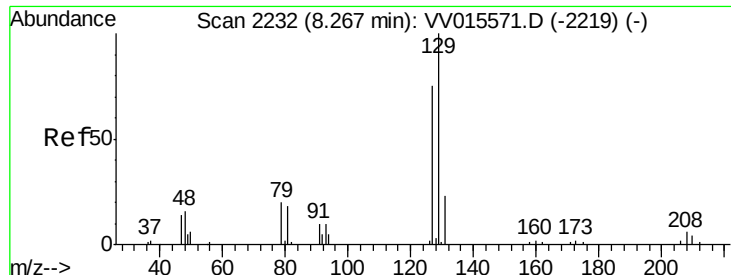
#48
2-Hexanone
Concen: 0.917 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015582.D
Acq: 20 Apr 2020 14:55

Tgt Ion: 43 Resp: 2898
Ion Ratio Lower Upper
43 100
58 38.6 41.4 62.0#
57 0.0 15.0 22.4#
100 1.6 9.4 14.2#



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





#49

Dibromochloromethane

Concen: 1.740 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015582.D

Acq: 20 Apr 2020 14:55

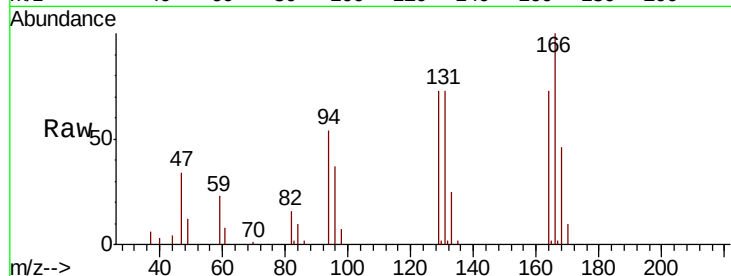
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 9652

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



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

