

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
 Data File : VU038559.D
 Acq On : 04 Jun 2020 19:10
 Operator : SY/MD
 Sample : L2860-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D22

Quant Time: Jun 05 01:15:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 05 01:11:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	288950	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	288177	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	147379	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70652	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.93	69	61548	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.59	63	114631	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.67	46	305496	53.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.54%
24) Chloroform-d	5.10	84	168894	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.74	65	98584	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.76	84	331195	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.72	67	106588	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.92	98	282416	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.20	79	41672	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.65	63	253153	53.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	97841	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	124077	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

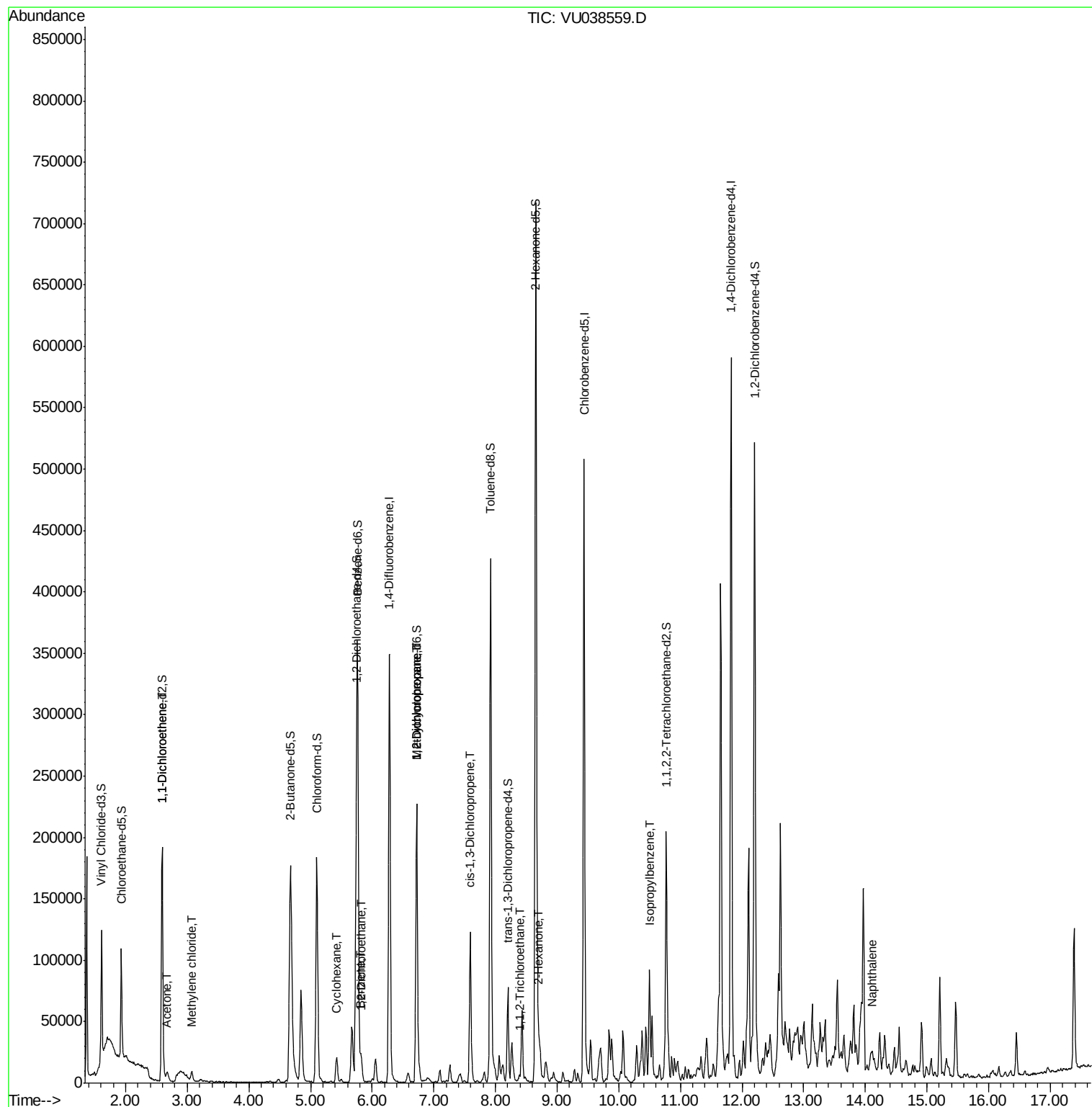
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1068	0.060	ug/L #	1
13) Acetone	2.68	43	13594	3.656	ug/L	92
16) Methylene chloride	3.08	84	1755	0.087	ug/L	78
27) 1,2-Dichloroethane	5.83	62	10057	0.410	ug/L	96
30) Cyclohexane	5.42	56	9337	0.292	ug/L	92
33) Benzene	5.81	78	14275	0.178	ug/L	100
35) Methylcyclohexane	6.72	83	28232	0.874	ug/L #	24
37) 1,2-Dichloropropane	6.72	63	11642	0.576	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3260	0.109	ug/L #	46
45) 1,1,2-Trichloroethane	8.39	97	1762	0.115	ug/L #	24
48) 2-Hexanone	8.71	43	16221	1.481	ug/L	96
56) Isopropylbenzene	10.50	105	56991	0.625	ug/L	99
69) Naphthalene	14.11	128	13178	0.221	ug/L #	84

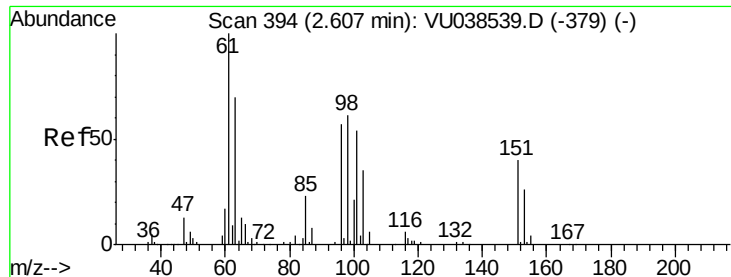
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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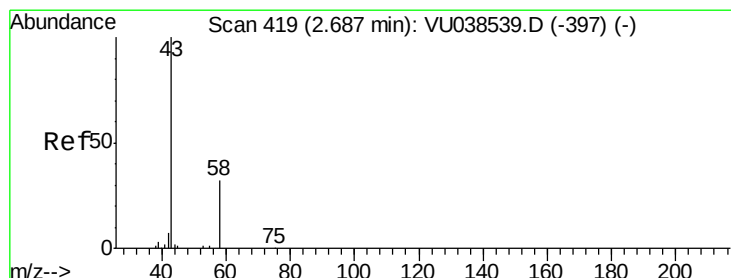
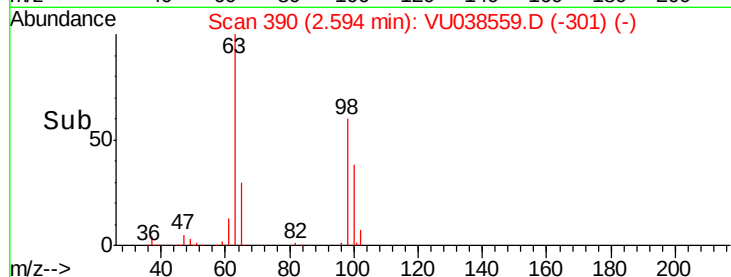
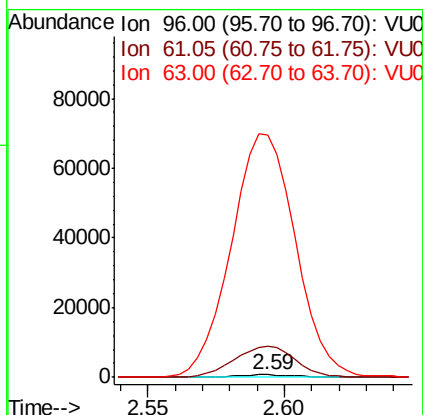
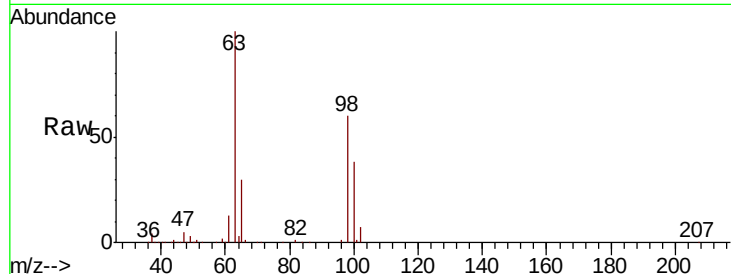




#12
 1,1-Dichloroethene
 Concen: 0.060 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. -0.01 min
 Lab File: VU038559.D
 Acq: 04 Jun 2020 19:10

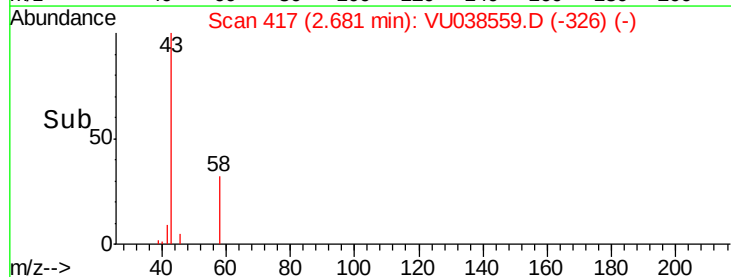
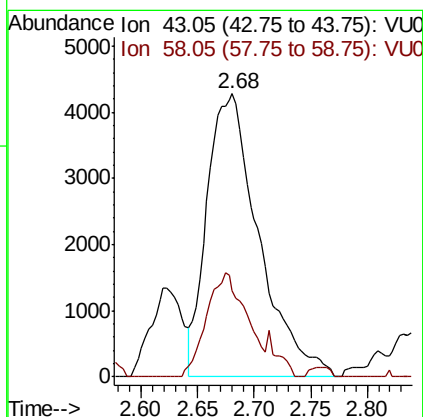
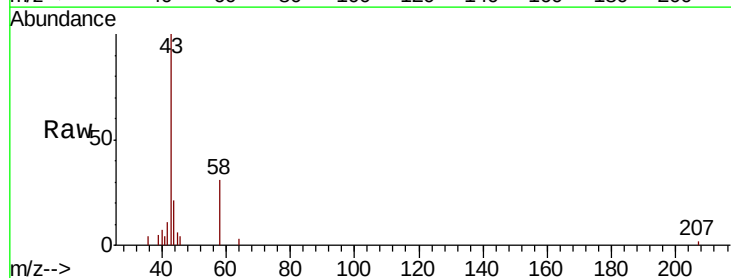
Instrument :
 MSVOA_U
 ClientSampleId :
 F9D22

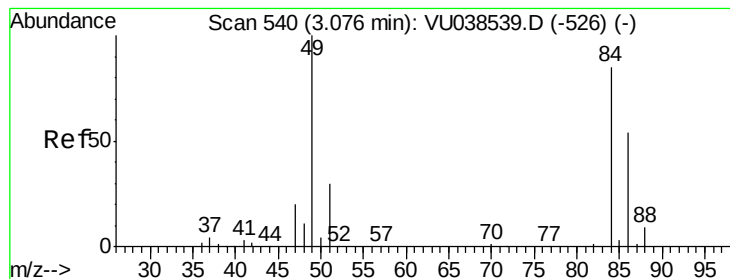
Tot Ion: 96 Resp: 1068
 Ion Ratio Lower Upper
 96 100
 61 1274.7 119.9 222.7#
 63 9917.5 89.9 167.0#



#13
 Acetone
 Concen: 3.656 ug/L
 RT: 2.68 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: VU038559.D
 Acq: 04 Jun 2020 19:10

Tgt Ion: 43 Resp: 13594
 Ion Ratio Lower Upper
 43 100
 58 28.4 0.0 65.6





#16

Methylene chloride

Concen: 0.087 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038559.D

Acq: 04 Jun 2020 19:10

Instrument :

MSVOA_U

ClientSampled :

F9D22

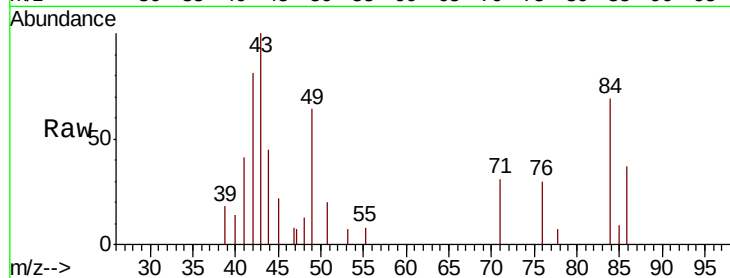
Tot Ion: 84 Resp: 1755

Ion Ratio Lower Upper

84 100

86 53.4 45.0 83.6

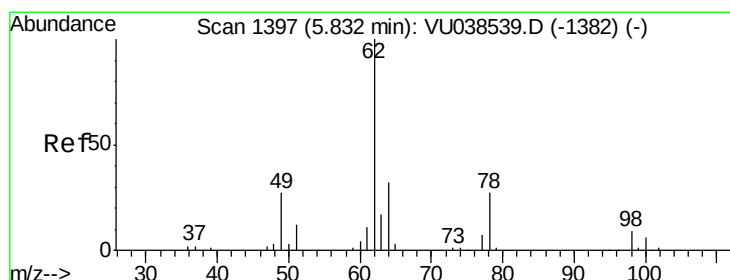
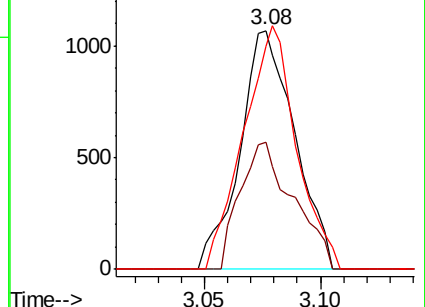
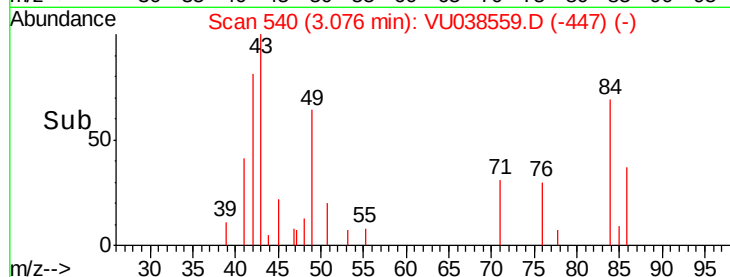
49 93.6 85.5 158.9



Abundance Ion 84.05 (83.75 to 84.75): VU038559.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU038559.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU038559.D (-447) (-)



#27

1,2-Dichloroethane

Concen: 0.410 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU038559.D

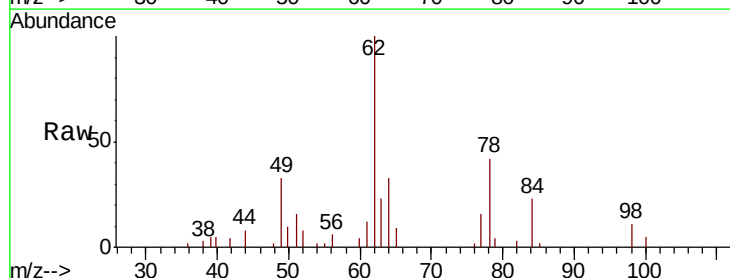
Acq: 04 Jun 2020 19:10

Tgt Ion: 62 Resp: 10057

Ion Ratio Lower Upper

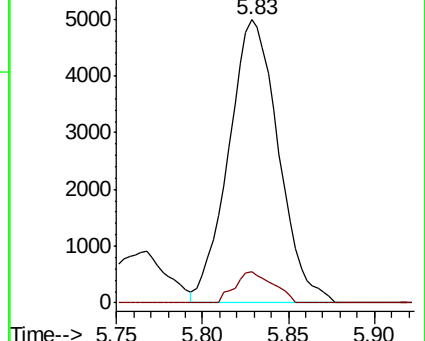
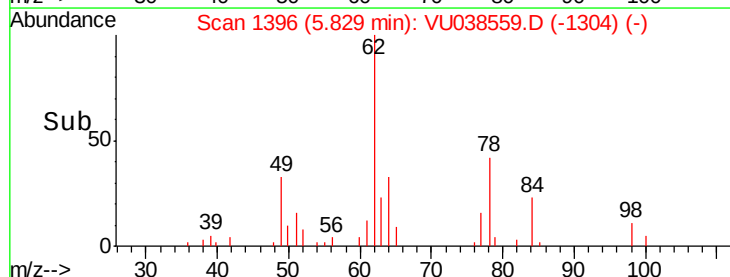
62 100

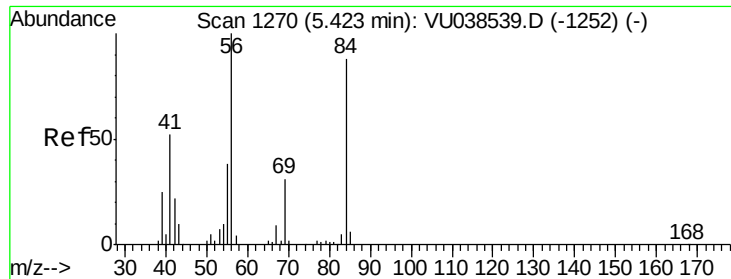
98 10.9 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VU038559.D (-1304) (-)

Ion 98.05 (97.75 to 98.75): VU038559.D (-1304) (-)

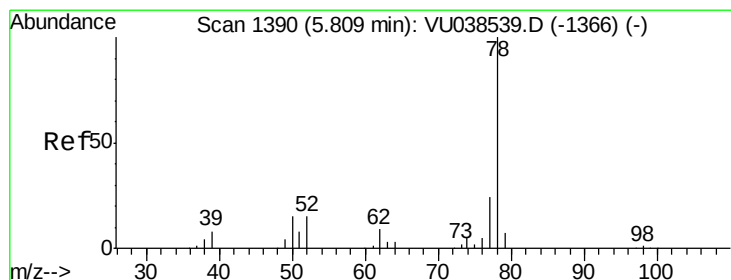
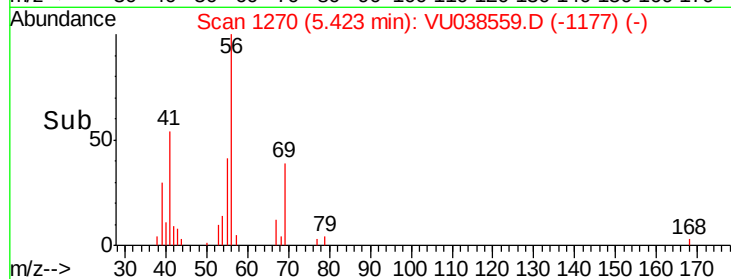
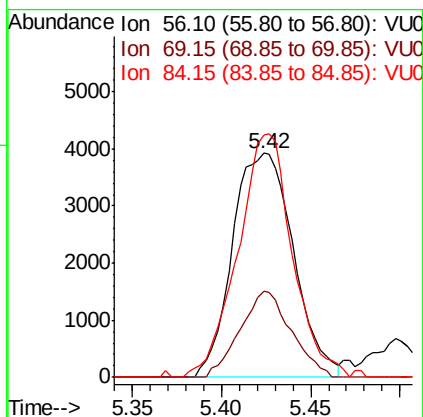
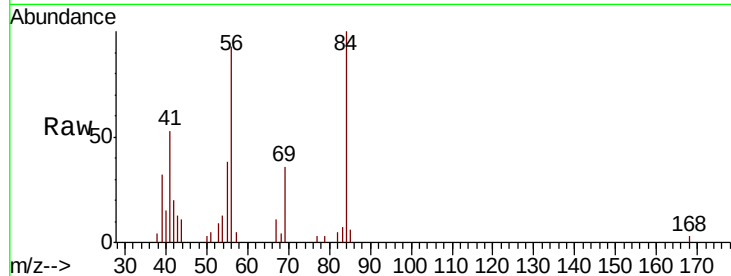




#30
Cyclohexane
Concen: 0.292 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038559.D
Acq: 04 Jun 2020 19:10

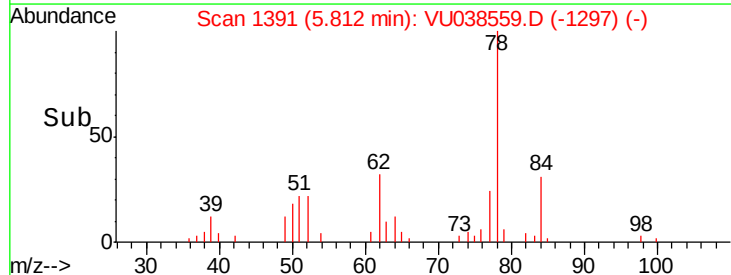
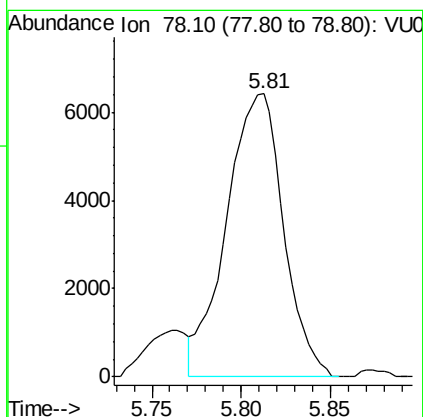
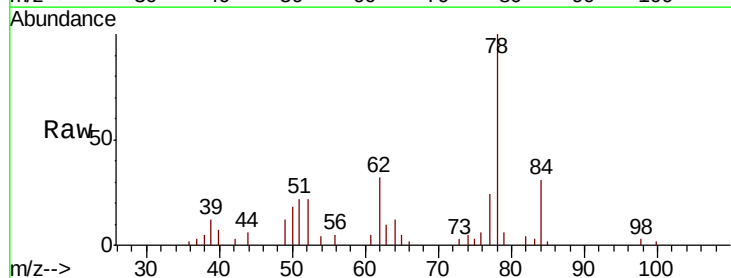
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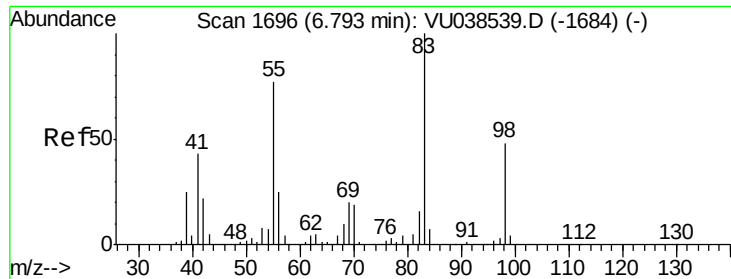
Tot Ion: 56 Resp: 9337
Ion Ratio Lower Upper
56 100
69 32.3 24.2 36.4
84 97.3 70.8 106.2



#33
Benzene
Concen: 0.178 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU038559.D
Acq: 04 Jun 2020 19:10

Tgt Ion: 78 Resp: 14275

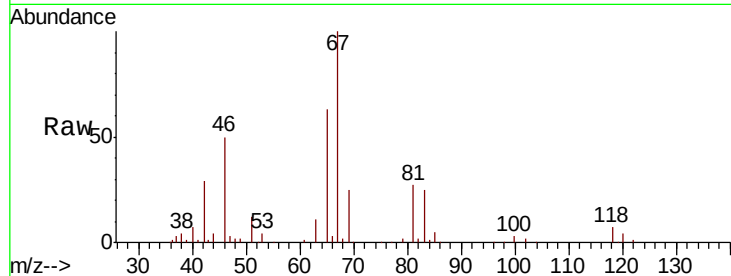




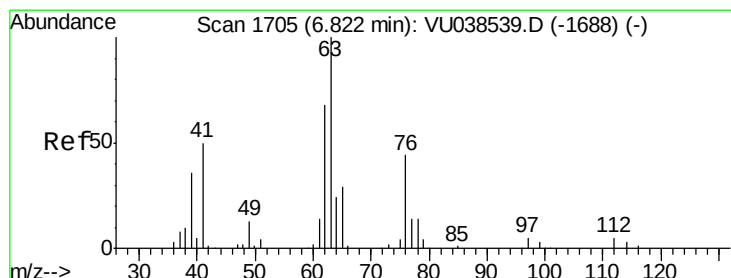
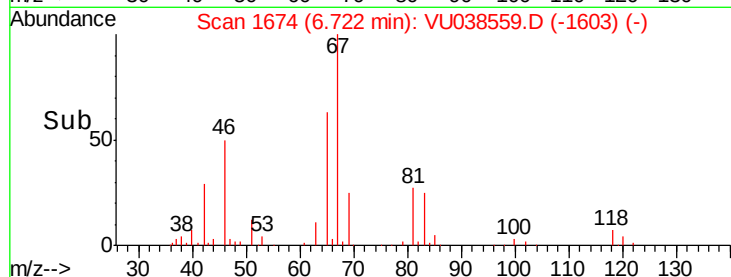
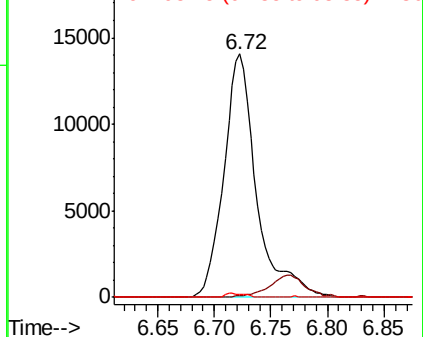
#35
Methylvlcyclohexane
Concen: 0.874 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038559.D
Acq: 04 Jun 2020 19:10

Instrument :
MSVOA_U
ClientSampleId :
F9D22

Tot Ion: 83 Resp: 28232
Ion Ratio Lower Upper
83 100
55 10.1 63.4 95.2#
98 1.0 39.0 58.4#

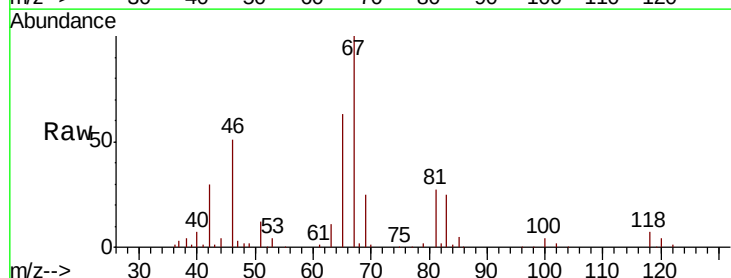


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

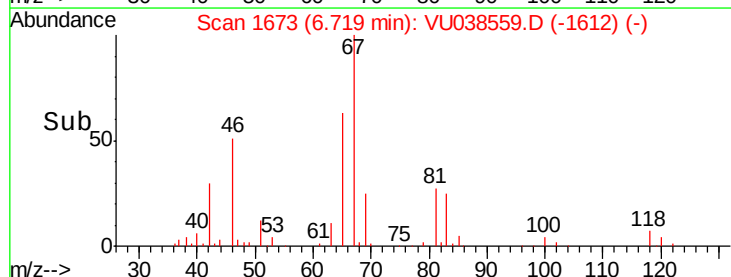
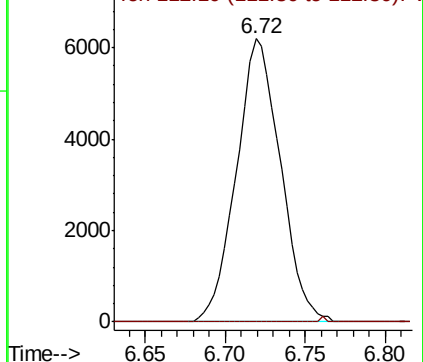


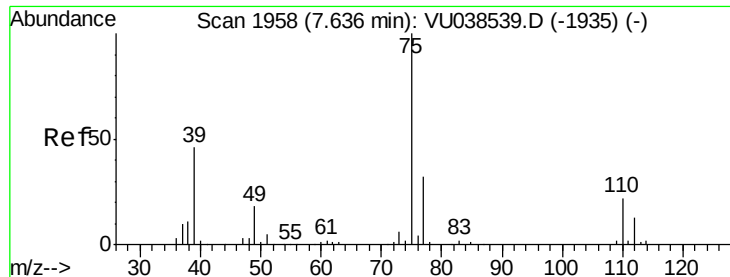
#37
1,2-Dichloropropane
Concen: 0.576 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038559.D
Acq: 04 Jun 2020 19:10

Tgt Ion: 63 Resp: 11642
Ion Ratio Lower Upper
63 100
112 0.2 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



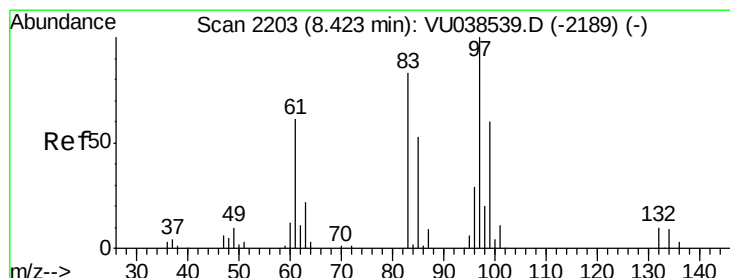
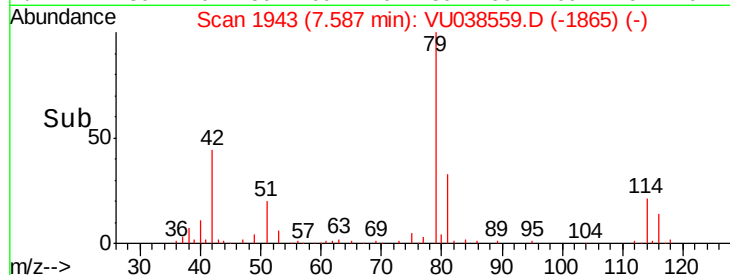
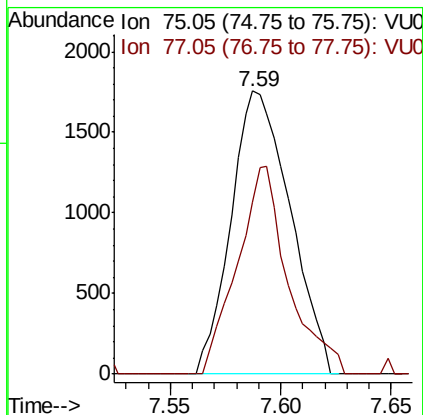
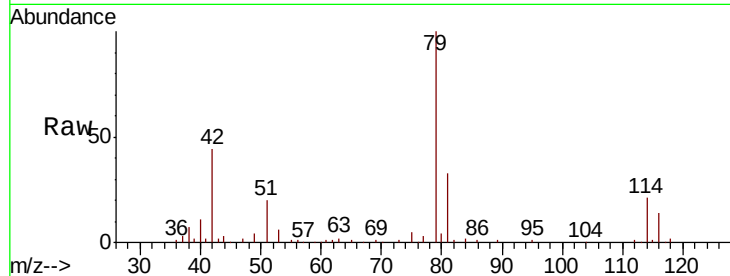


#39

cis-1,3-Dichloropropene
Concen: 0.109 ug/L
RT: 7.59 min Scan# 1943
Delta R.T. -0.05 min
Lab File: VU038559.D
Acq: 04 Jun 2020 19:10

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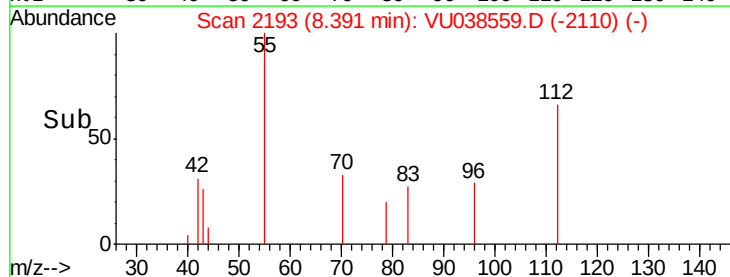
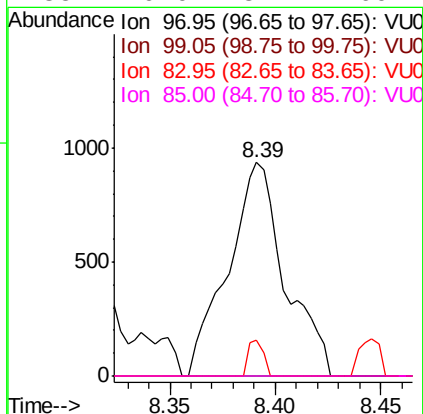
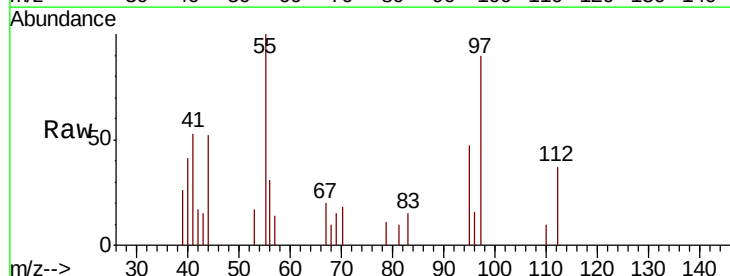
Tot Ion: 75 Resp: 3260
Ion Ratio Lower Upper
75 100
77 60.9 21.9 40.7#

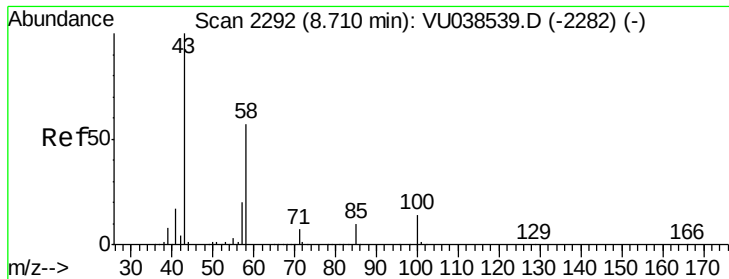


#45

1,1,2-Trichloroethane
Concen: 0.115 ug/L
RT: 8.39 min Scan# 2193
Delta R.T. -0.03 min
Lab File: VU038559.D
Acq: 04 Jun 2020 19:10

Tgt Ion: 97 Resp: 1762
Ion Ratio Lower Upper
97 100
99 0.0 42.1 78.1#
83 16.5 58.8 109.2#
85 0.0 37.4 69.4#

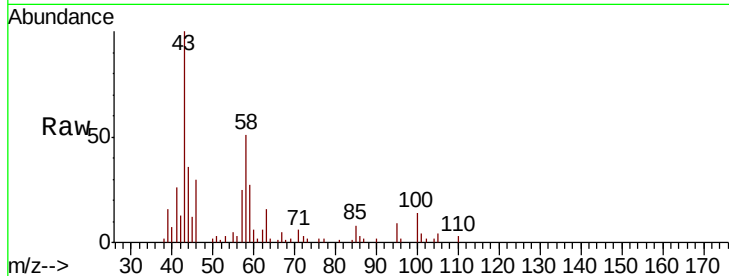




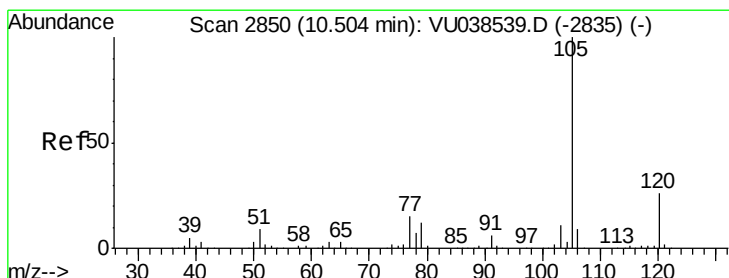
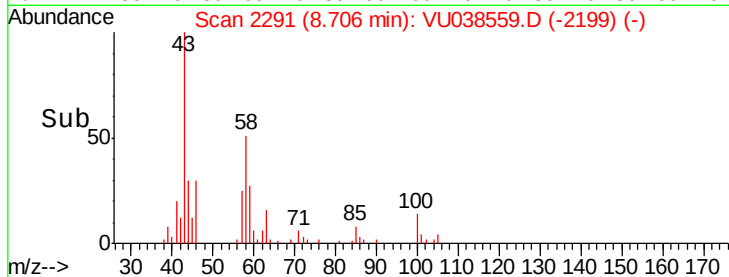
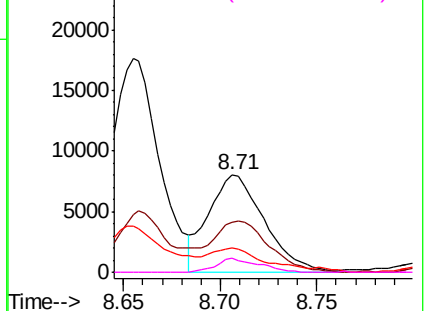
#48
2-Hexanone
Concen: 1.481 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038559.D
Acq: 04 Jun 2020 19:10

Instrument :
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ClientSampled :
F9D22

Tot Ion: 43 Resp: 16221
Ion Ratio Lower Upper
43 100
58 53.2 45.4 68.0
57 20.1 15.9 23.9
100 10.8 10.5 15.7

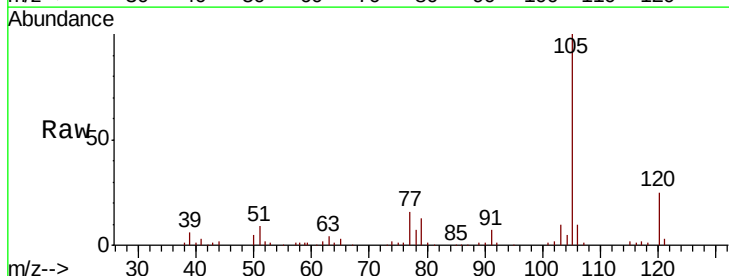


Abundance Ion 43.05 (42.75 to 43.75): VU038539.D (-2282) (-)
Ion 58.05 (57.75 to 58.75): VU038539.D (-2282) (-)
Ion 57.20 (56.90 to 57.90): VU038539.D (-2282) (-)
Ion 100.15 (99.85 to 100.85): VU038539.D (-2282) (-)

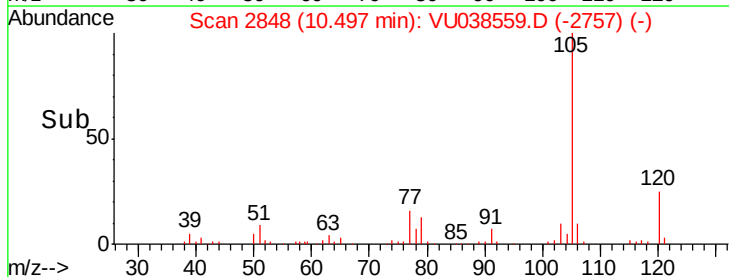
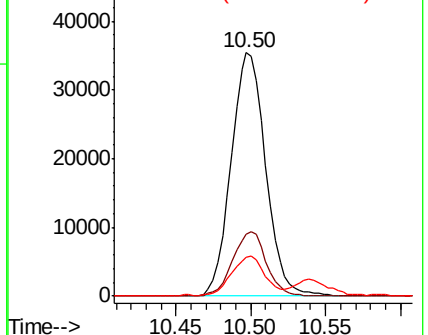


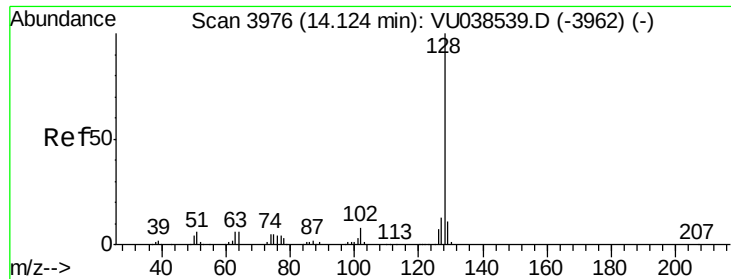
#56
Isopropylbenzene
Concen: 0.625 ug/L
RT: 10.50 min Scan# 2848
Delta R.T. -0.01 min
Lab File: VU038559.D
Acq: 04 Jun 2020 19:10

Tgt Ion: 105 Resp: 56991
Ion Ratio Lower Upper
105 100
120 25.6 20.7 31.1
77 16.1 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): VU038539.D (-2835) (-)
Ion 120.10 (119.80 to 120.80): VU038539.D (-2835) (-)
Ion 77.10 (76.80 to 77.80): VU038539.D (-2835) (-)





#69

Naphthalene

Concen: 0.221 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038559.D

Acq: 04 Jun 2020 19:10

Instrument :

MSVOA_U

ClientSampleId :

F9D22

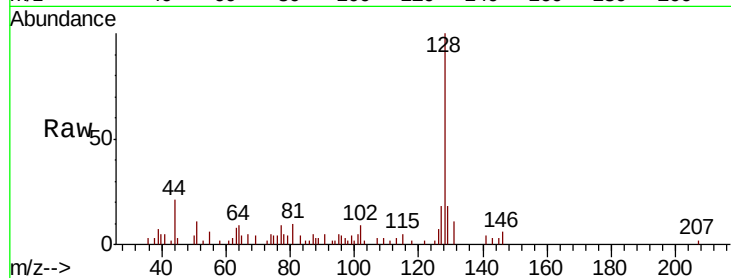
Tot Ion:128 Resp: 13178

Ion Ratio Lower Upper

128 100

129 12.7 8.9 13.3

127 23.1 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

