

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092920\
 Data File : VX018695.D
 Acq On : 30 Sep 2020 13:22
 Operator : JC/SP
 Sample : L4135-01DL 40X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 01 01:08:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 01:06:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	206499	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	198249	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	98314	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	43597	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.70	69	41586	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.34	63	81313	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	4.55	46	159360	57.83	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.66%
24) Chloroform-d	5.14	84	128732	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	6.03	65	75578	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	6.05	84	217772	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	7.37	67	70216	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	8.70	98	196079	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
45) trans-1,3-Dichloropropene-	8.99	79	29123	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
48) 2-Hexanone-d5	9.43	63	122405	55.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.24%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	55032	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	84653	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.34	96	1239	0.123	ug/L #	1
13) Acetone	2.47	43	2610	1.711	ug/L	81
15) Methyl Acetate	2.78	43	379	0.090	ug/L #	69
16) Methylene chloride	2.83	84	4705	0.342	ug/L	81
18) trans-1,2-Dichloroethene	3.15	96	888	0.088	ug/L #	58
22) cis-1,2-Dichloroethene	4.56	96	762	0.072	ug/L #	51
30) Cyclohexane	5.55	56	5752	0.383	ug/L	92
33) Benzene	6.11	78	1040032	27.209	ug/L	100
35) Methylcyclohexane	7.44	83	3806	0.247	ug/L	86
42) Toluene	8.76	91	686483	16.627	ug/L	97
43) 1,3,5-Trimethylbenzene	11.79	105	4097	0.113	ug/L	89
44) 1,2,4-Trimethylbenzene	11.79	105	4097	0.113	ug/L	89
53) Chlorobenzene	10.12	112	845758	31.010	ug/L	97
54) Ethylbenzene	10.24	91	44056	0.980	ug/L	98
55) m,p-xylene	10.34	106	8819	0.513	ug/L	100
56) o-xylene	10.68	106	15397	0.948	ug/L	87
58) Isopropylbenzene	11.01	105	57063	1.310	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

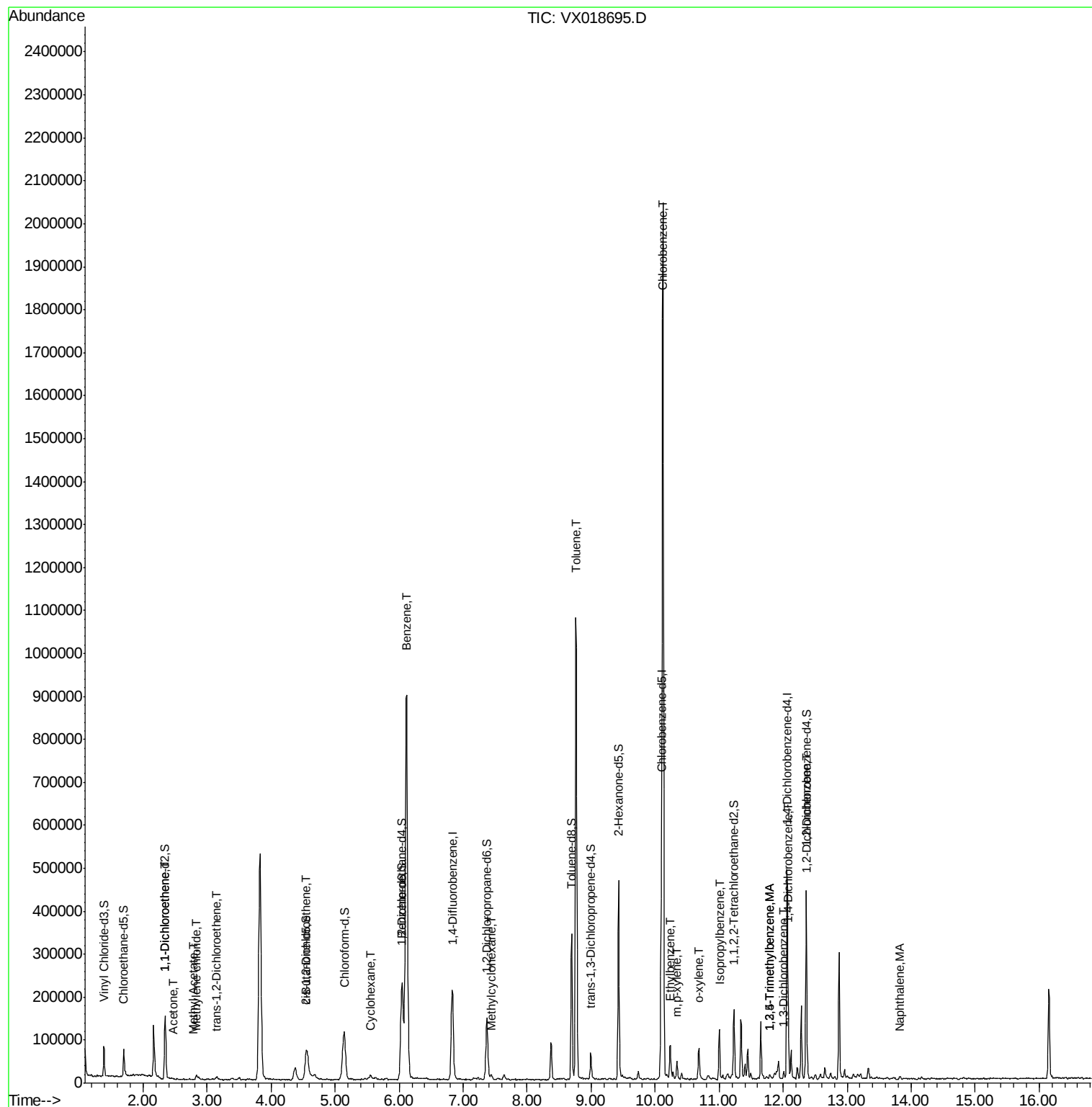
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,3-Dichlorobenzene	12.01	146	5399	0.253	ug/L	94
64) 1,4-Dichlorobenzene	12.08	146	26564	1.230	ug/L	93
66) 1,2-Dichlorobenzene	12.37	146	12230	0.614	ug/L	95
70) Naphthalene	13.82	128	1428	0.064	ug/L #	63

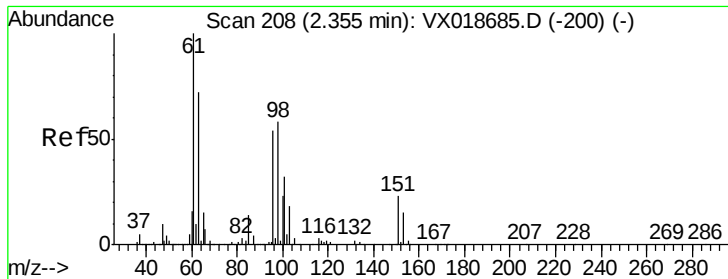
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.123 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

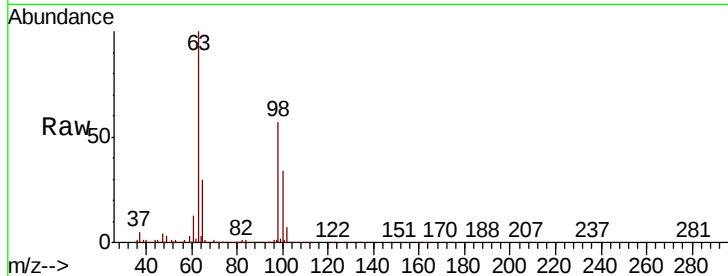
Tot Ion: 96 Resp: 1239

Ion Ratio Lower Upper

96 100

61 1257.6 123.8 229.8#

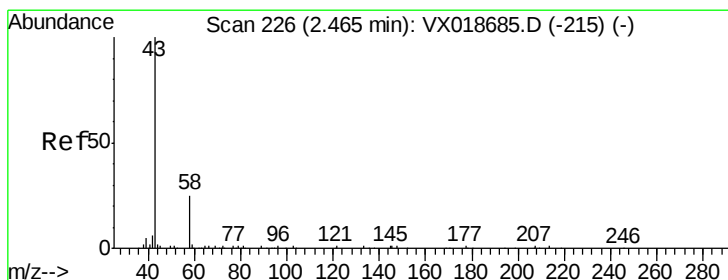
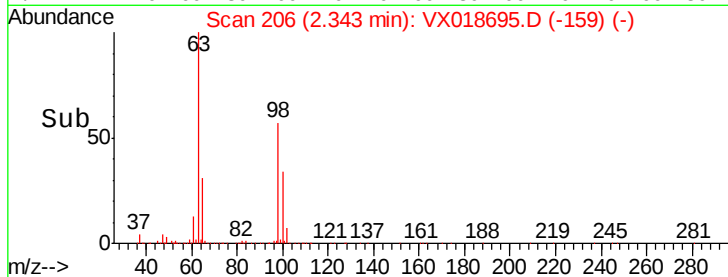
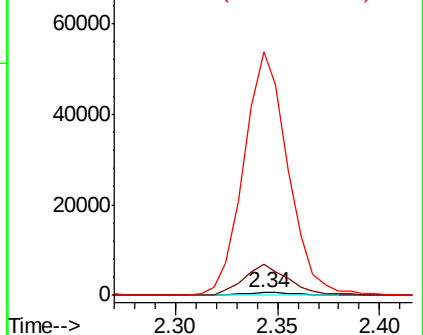
63 9796.7 104.7 194.4#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0



#13

Acetone

Concen: 1.711 ug/L

RT: 2.47 min Scan# 227

Delta R.T. 0.01 min

Lab File: VX018695.D

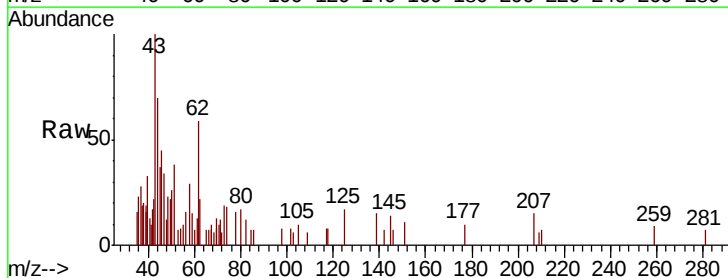
Acq: 30 Sep 2020 13:22

Tgt Ion: 43 Resp: 2610

Ion Ratio Lower Upper

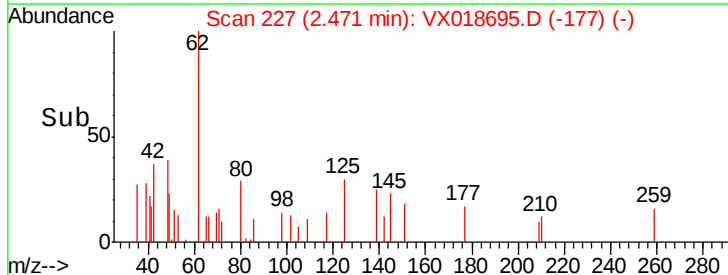
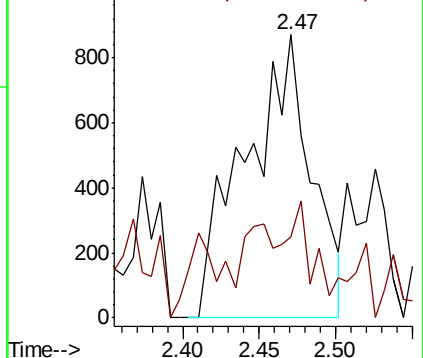
43 100

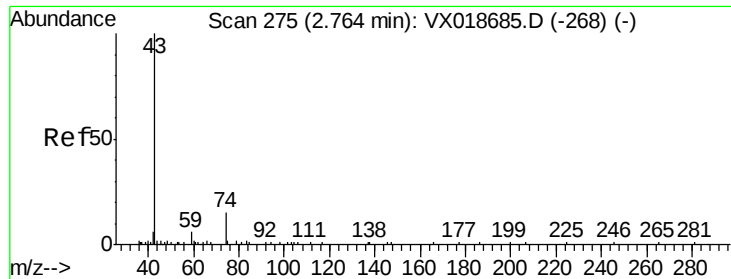
58 20.5 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0





#15

Methyl Acetate

Concen: 0.090 ug/L

RT: 2.78 min Scan# 277

Delta R.T. 0.01 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

Instrument :

MSVOA_X

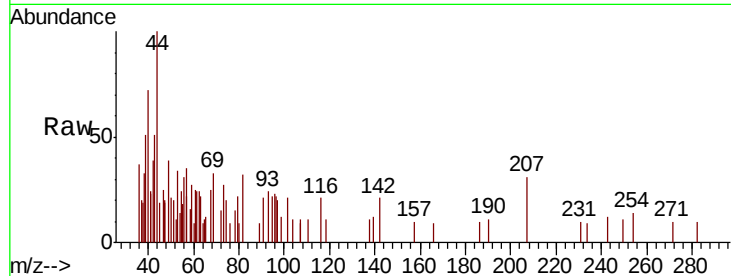
ClientSampled :

Tot Ion: 43 Resp: 379

Ion Ratio Lower Upper

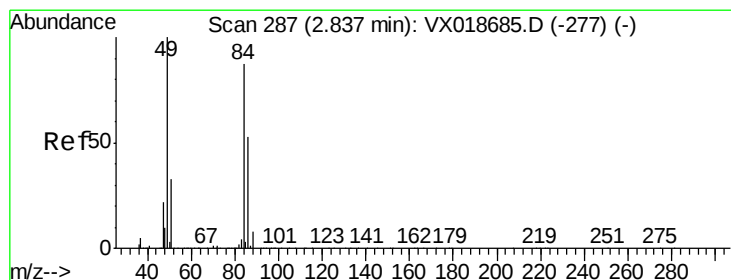
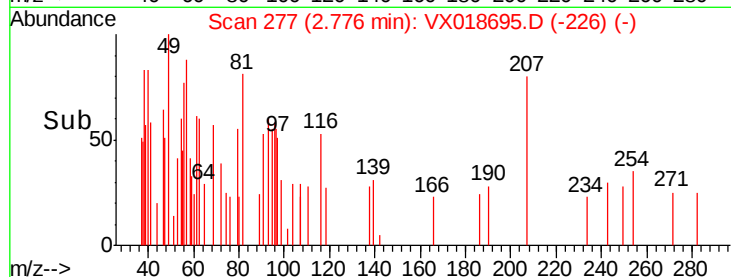
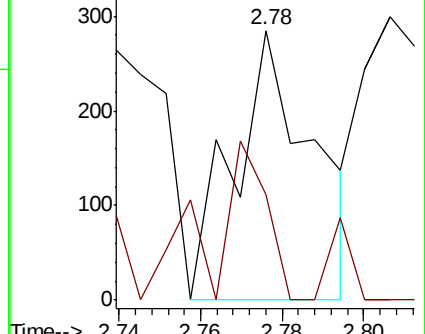
43 100

74 42.2 21.2 31.8#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 0.342 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

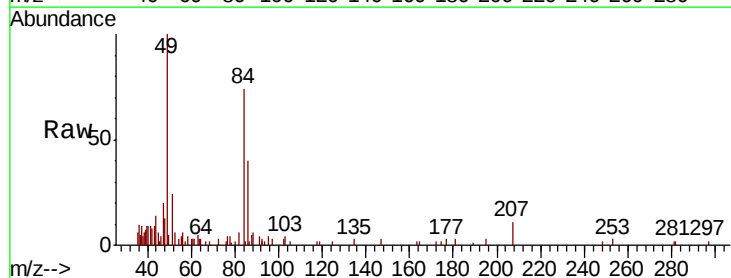
Tgt Ion: 84 Resp: 4705

Ion Ratio Lower Upper

84 100

86 54.4 41.9 77.7

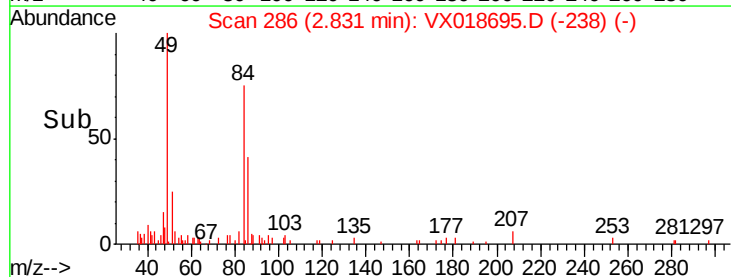
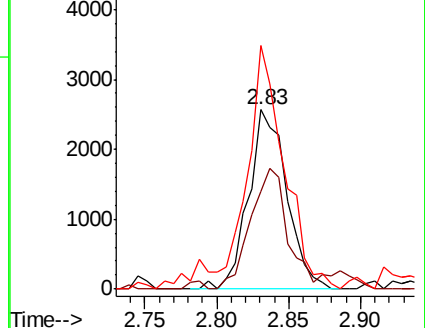
49 142.7 80.8 150.2

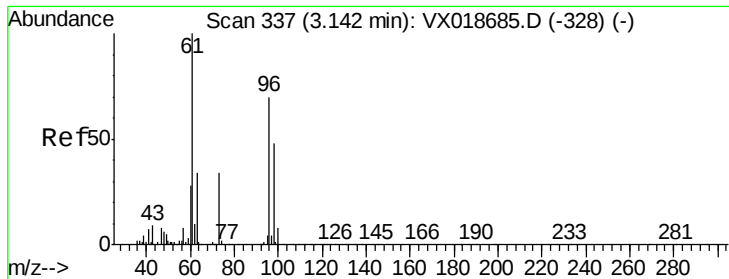


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0





#18

trans-1,2-Dichloroethene

Concen: 0.088 ug/L

RT: 3.15 min Scan# 339

Delta R.T. 0.01 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

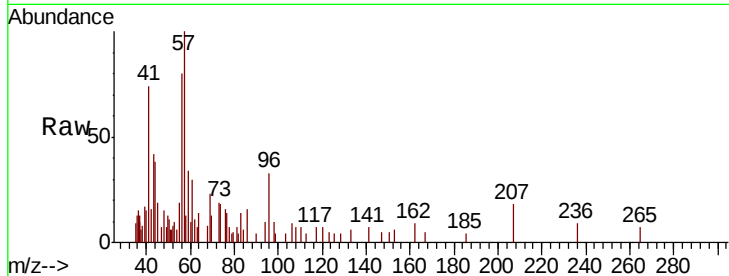
Tot Ion: 96 Resp: 888

Ion Ratio Lower Upper

96 100

61 91.5 97.3 180.7#

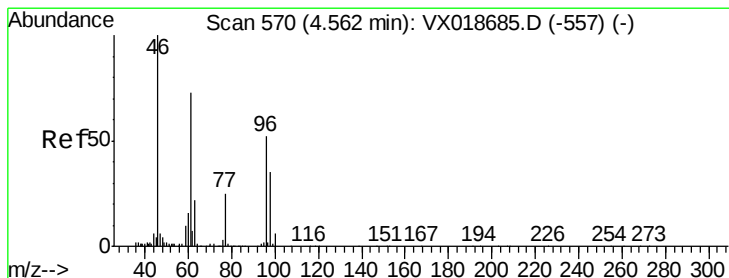
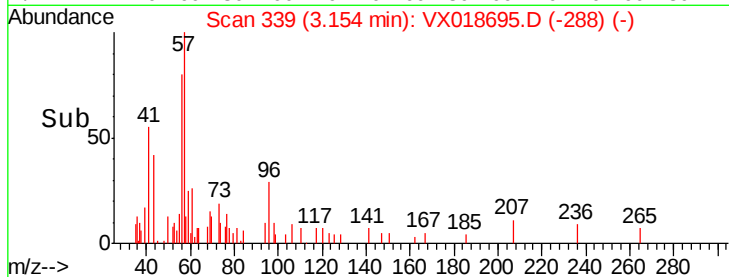
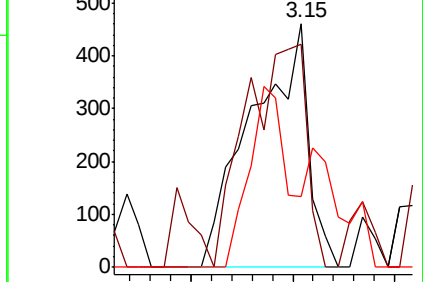
98 28.9 46.6 86.6#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 97.95 (97.65 to 98.65): VX0



#22

cis-1,2-Dichloroethene

Concen: 0.072 ug/L

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

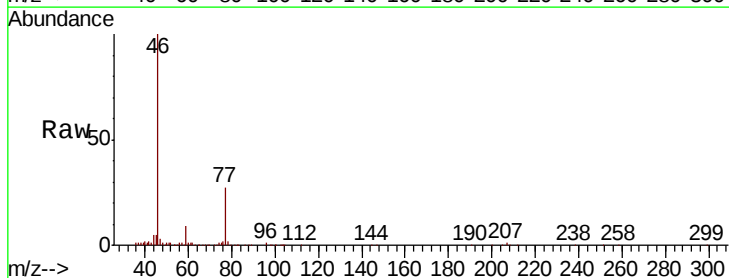
Tgt Ion: 96 Resp: 762

Ion Ratio Lower Upper

96 100

61 69.5 87.7 162.9#

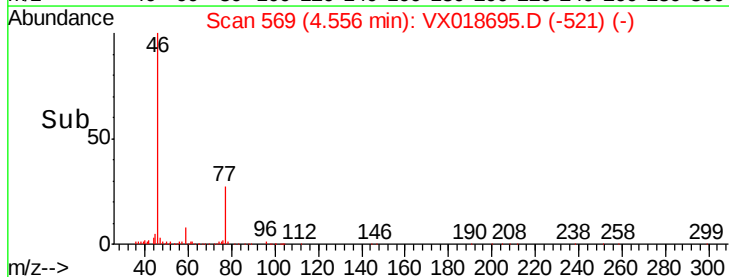
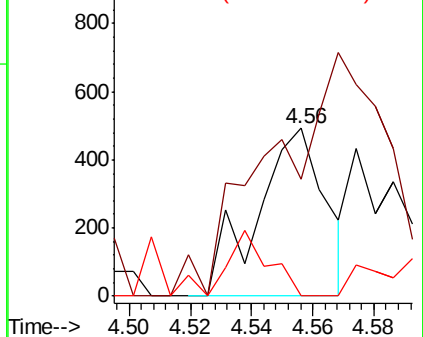
68 0.0 0.3 0.7#

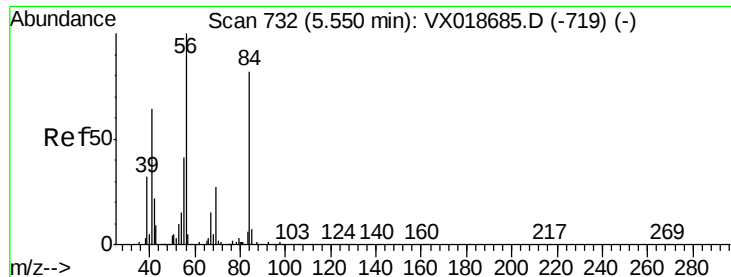


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0

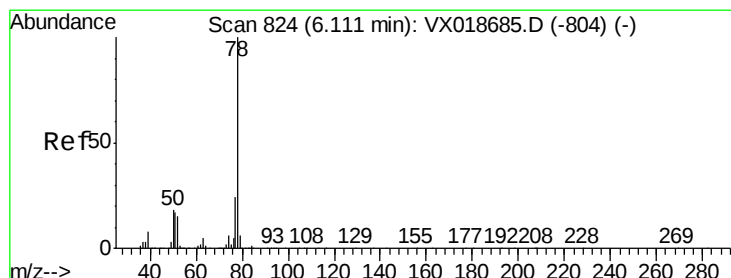
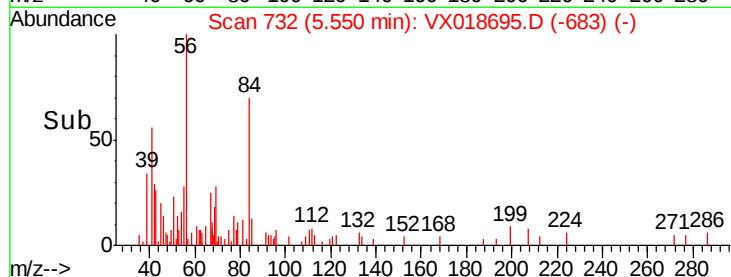
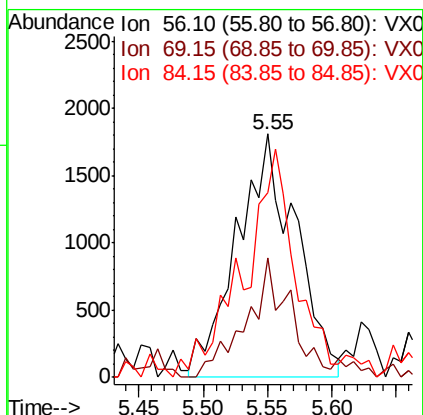
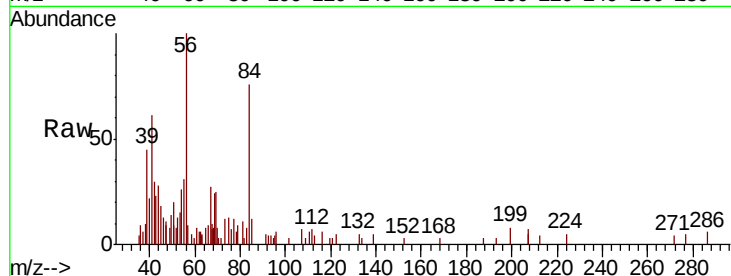




#30
Cyclohexane
Concen: 0.383 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX018695.D
Acq: 30 Sep 2020 13:22

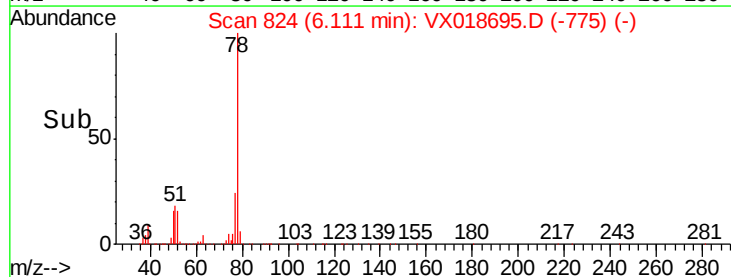
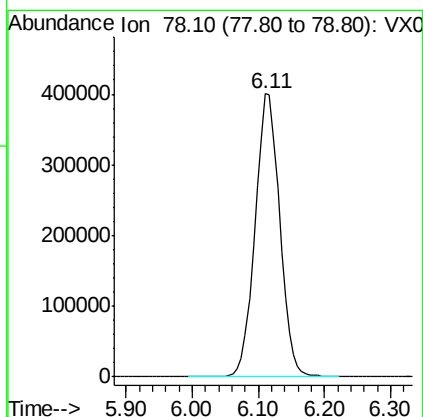
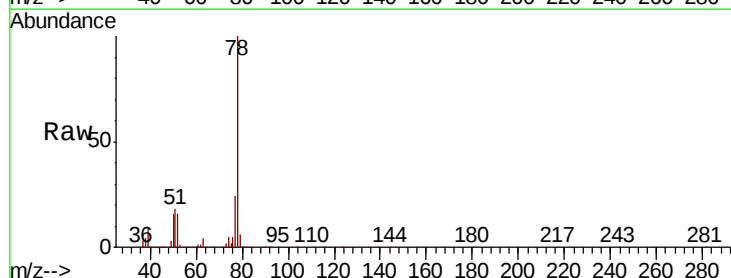
Instrument :
MSVOA_X
ClientSampleId :

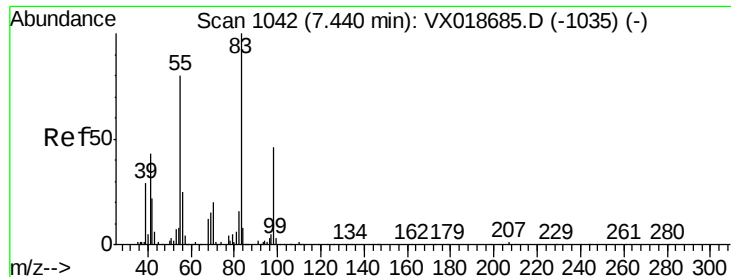
Tot Ion: 56 Resp: 5752
Ion Ratio Lower Upper
56 100
69 36.3 26.4 39.6
84 82.6 72.7 109.1



#33
Benzene
Concen: 27.209 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX018695.D
Acq: 30 Sep 2020 13:22

Tgt Ion: 78 Resp: 1040032

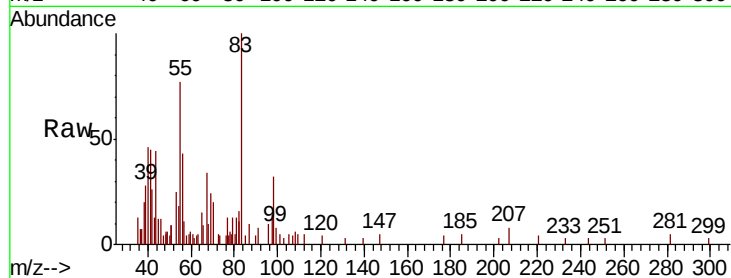




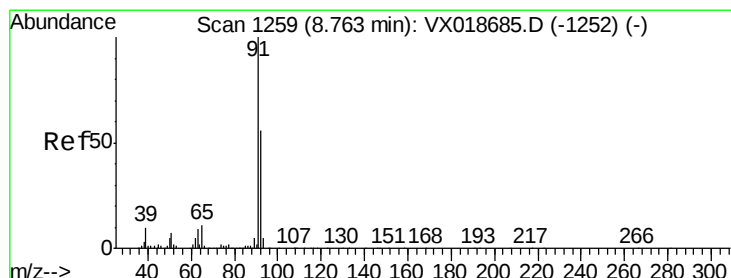
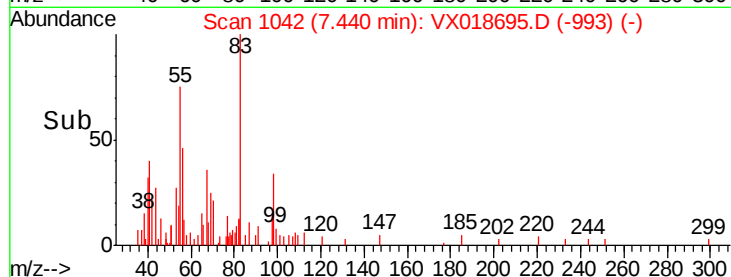
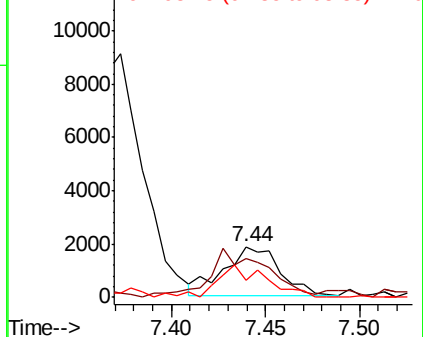
#35
Methvlcvclohexane
Concen: 0.247 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018695.D
Acq: 30 Sep 2020 13:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 3806
Ion Ratio Lower Upper
83 100
55 99.6 67.4 101.0
98 58.3 41.1 61.7

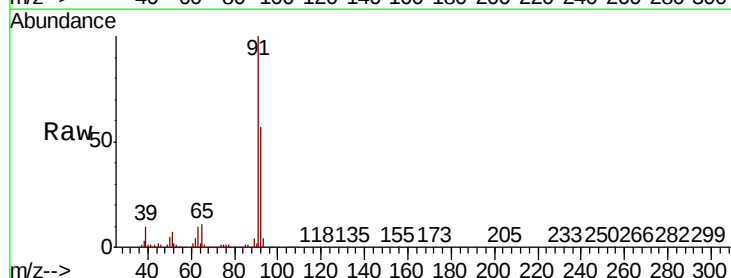


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

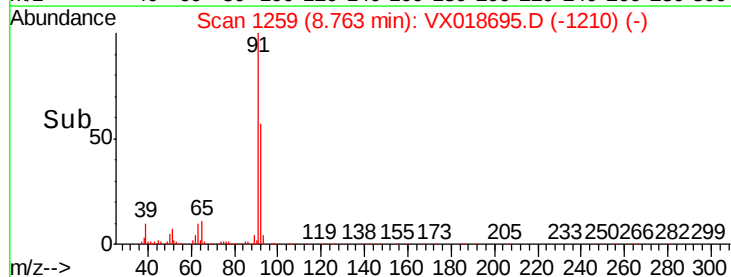
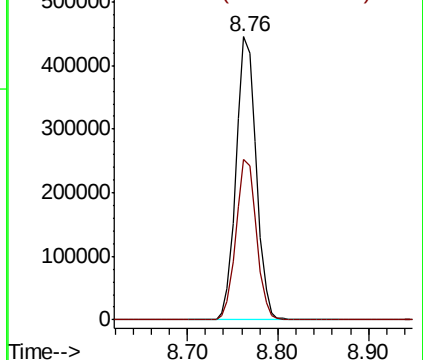


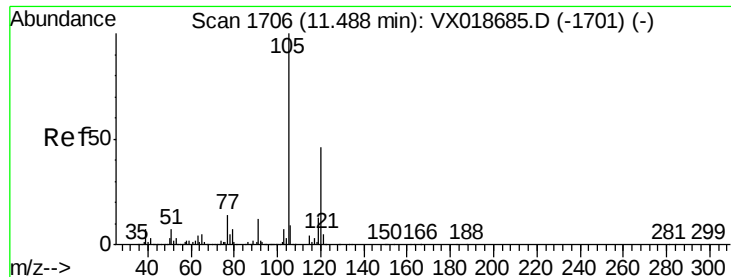
#42
Toluene
Concen: 16.627 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX018695.D
Acq: 30 Sep 2020 13:22

Tgt Ion: 91 Resp: 686483
Ion Ratio Lower Upper
91 100
92 56.6 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VX0
Ion 92.15 (91.85 to 92.85): VX0



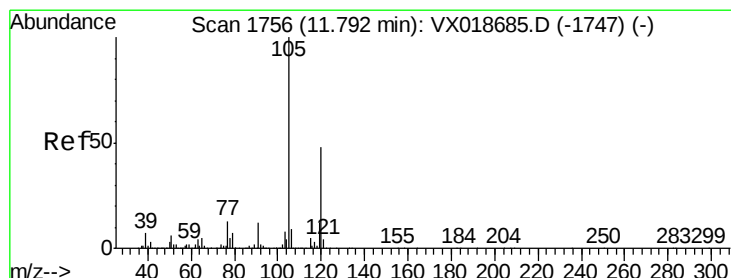
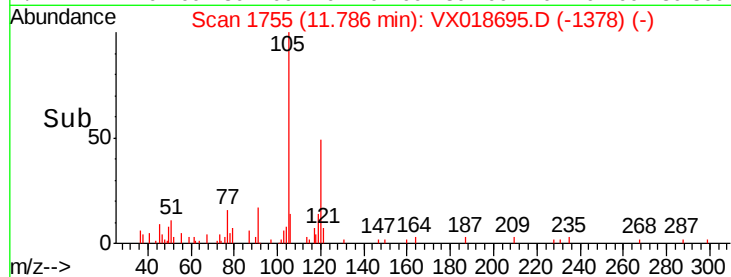
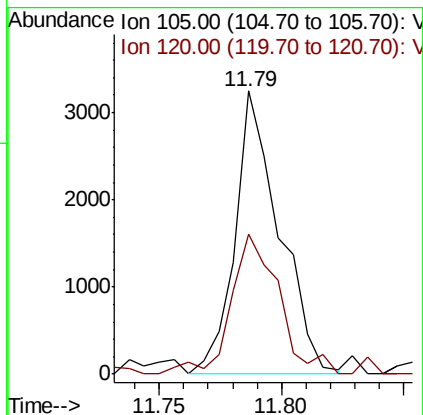
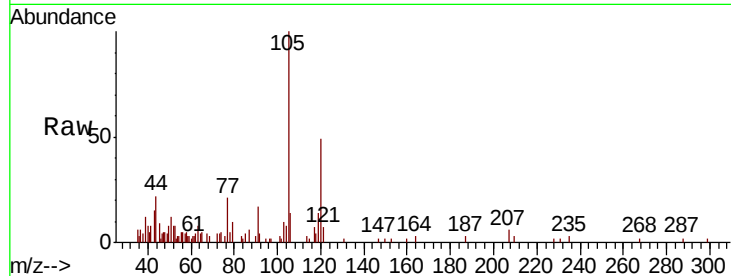


#43

1,3,5-Trimethylbenzene
Concen: 0.113 ug/L
RT: 11.79 min Scan# 1755
Delta R.T. 0.30 min
Lab File: VX018695.D
Acq: 30 Sep 2020 13:22

Instrument :
MSVOA_X
ClientSampled :

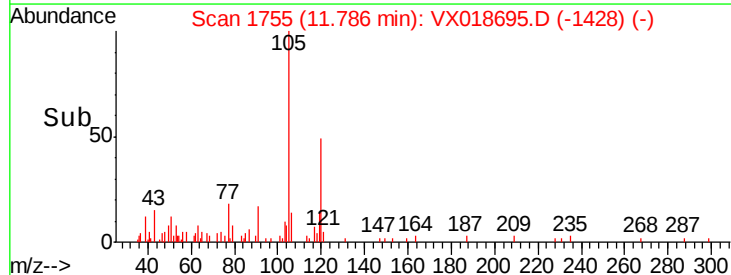
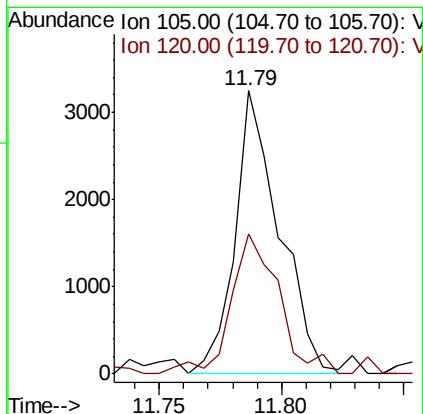
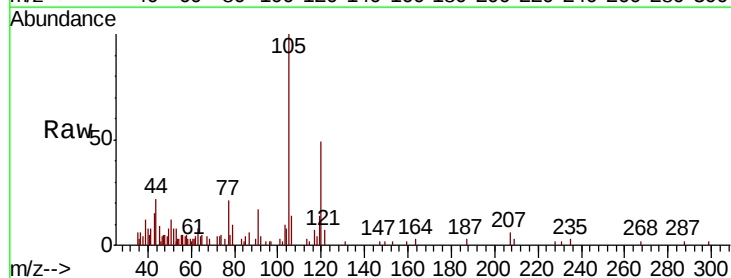
Tot Ion:105 Resp: 4097
Ion Ratio Lower Upper
105 100
120 53.6 37.2 55.8

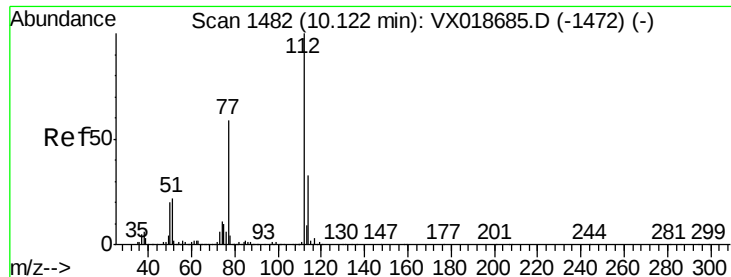


#44

1,2,4-Trimethylbenzene
Concen: 0.113 ug/L
RT: 11.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VX018695.D
Acq: 30 Sep 2020 13:22

Tgt Ion:105 Resp: 4097
Ion Ratio Lower Upper
105 100
120 53.6 36.8 55.2





#53

Chlorobenzene

Concen: 31.010 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

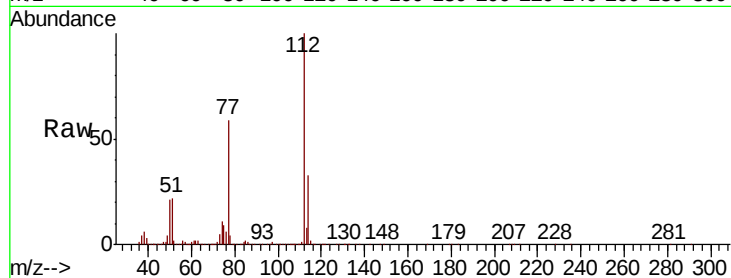
Tot Ion:112 Resp: 845758

Ion Ratio Lower Upper

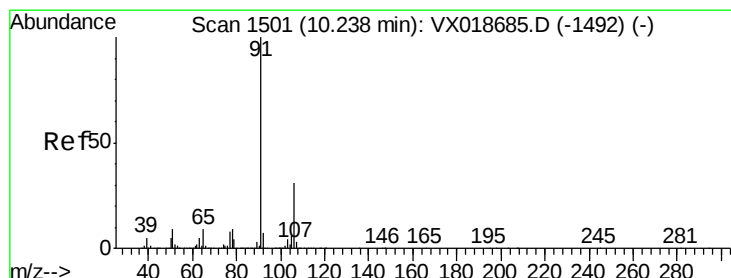
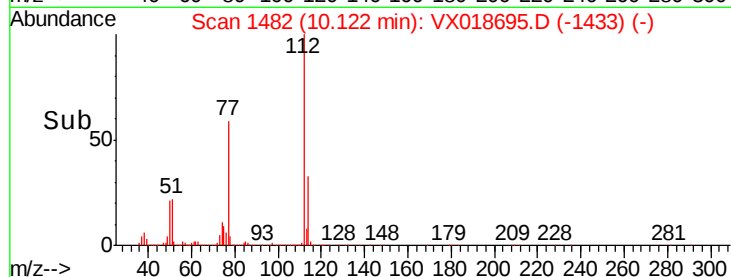
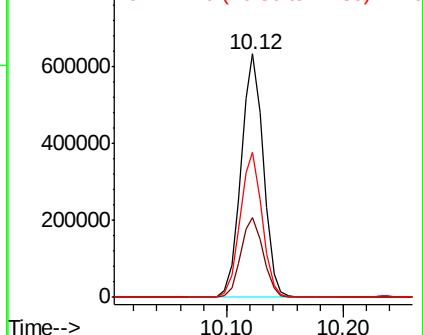
112 100

114 33.0 20.6 38.4

77 59.5 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#54

Ethylbenzene

Concen: 0.980 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018695.D

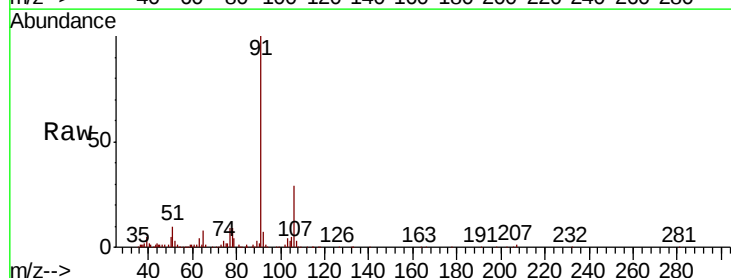
Acq: 30 Sep 2020 13:22

Tgt Ion: 91 Resp: 44056

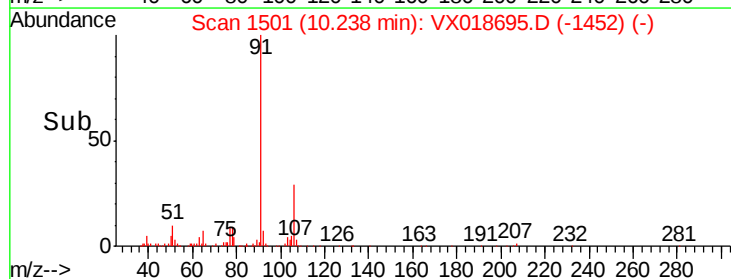
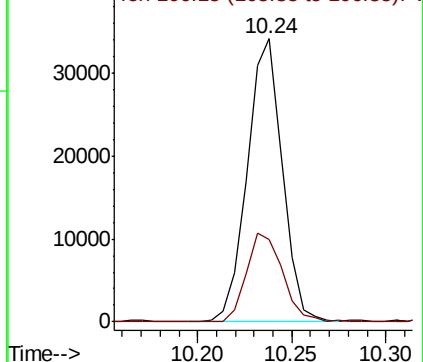
Ion Ratio Lower Upper

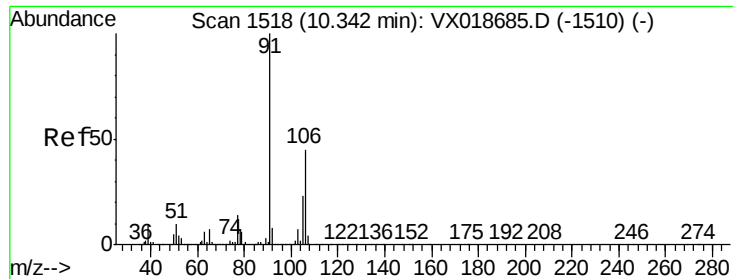
91 100

106 29.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VX0
Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.513 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

Instrument :

MSVOA_X

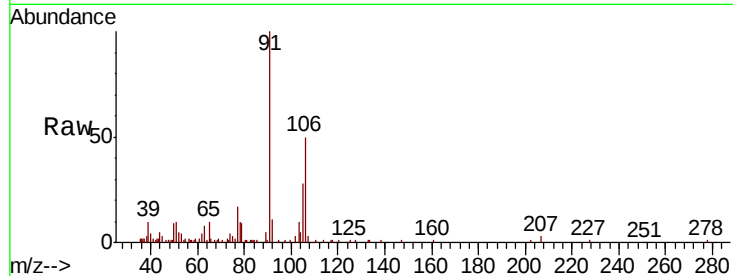
ClientSampleId :

Tot Ion:106 Resp: 8819

Ion Ratio Lower Upper

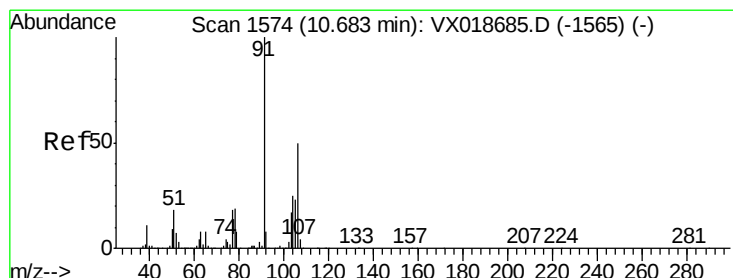
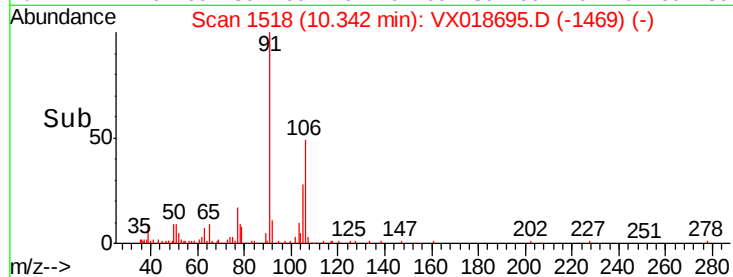
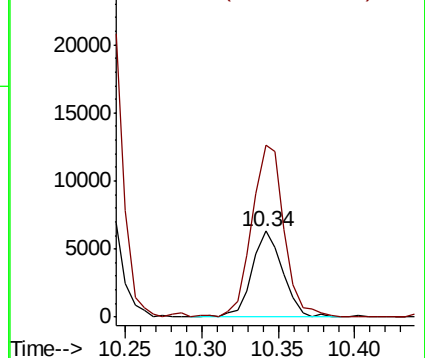
106 100

91 200.3 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.948 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018695.D

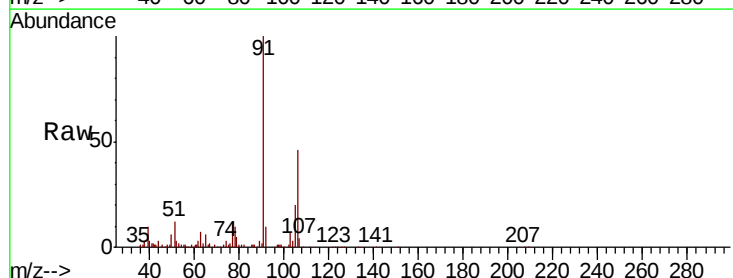
Acq: 30 Sep 2020 13:22

Tgt Ion:106 Resp: 15397

Ion Ratio Lower Upper

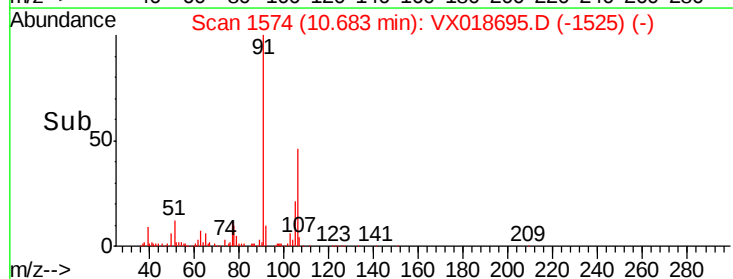
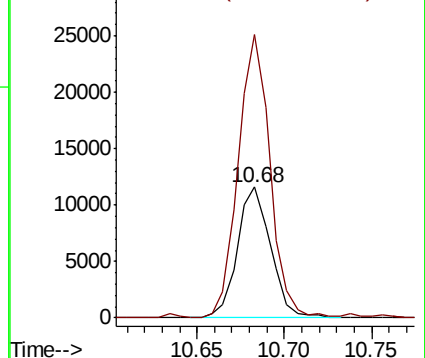
106 100

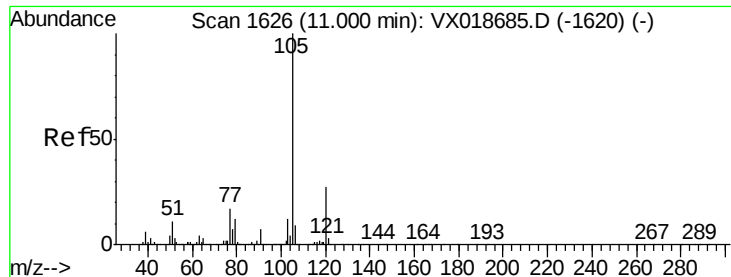
91 216.7 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 1.310 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

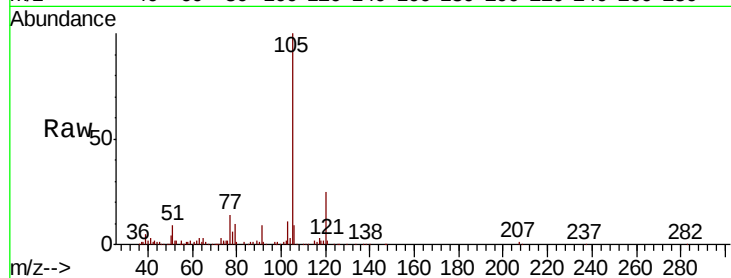
Tot Ion:105 Resp: 57063

Ion Ratio Lower Upper

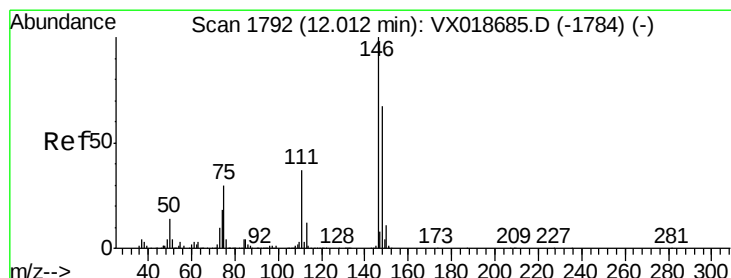
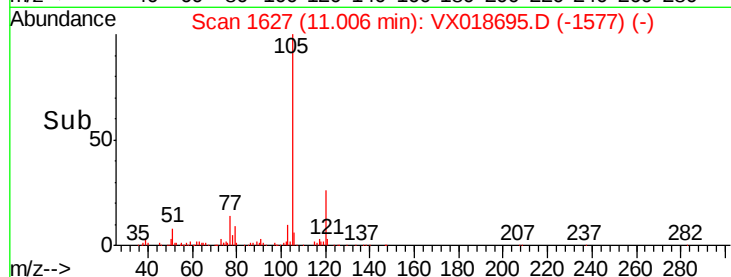
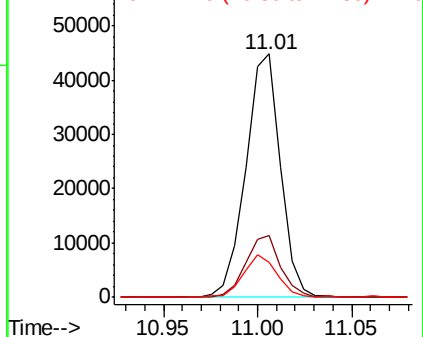
105 100

120 25.7 21.2 31.8

77 17.6 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#63

1,3-Dichlorobenzene

Concen: 0.253 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

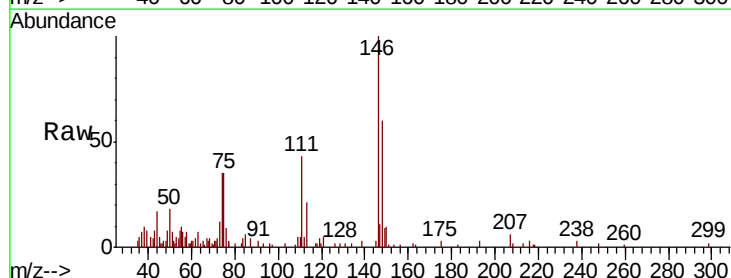
Tgt Ion:146 Resp: 5399

Ion Ratio Lower Upper

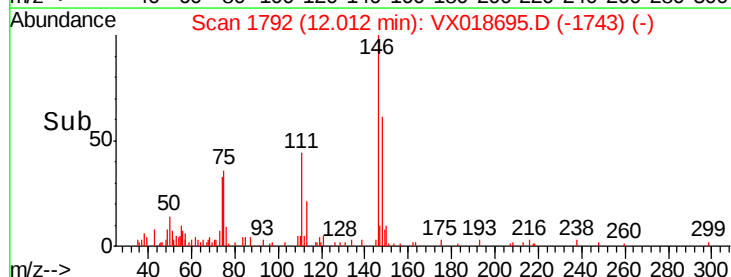
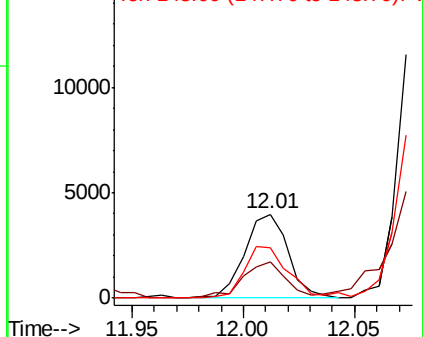
146 100

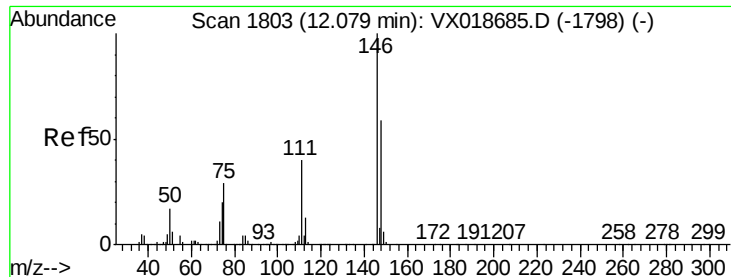
111 43.4 26.7 49.7

148 59.6 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.230 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampled :

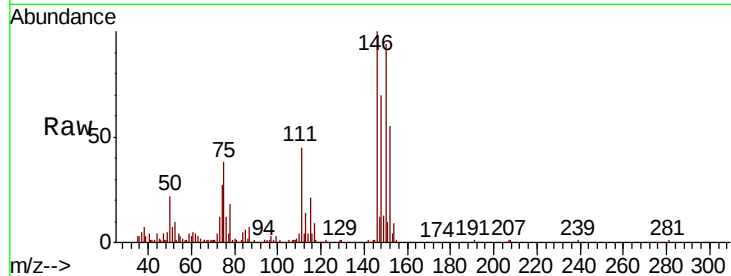
Tot Ion:146 Resp: 26564

Ion Ratio Lower Upper

146 100

111 45.2 28.8 53.4

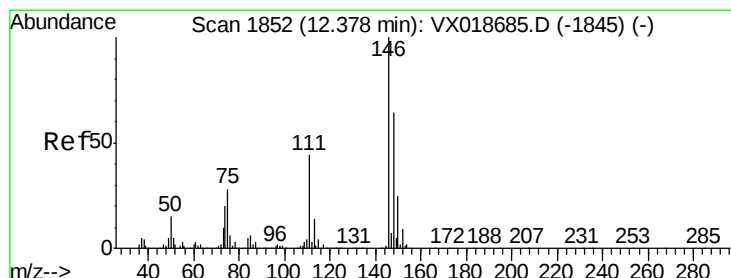
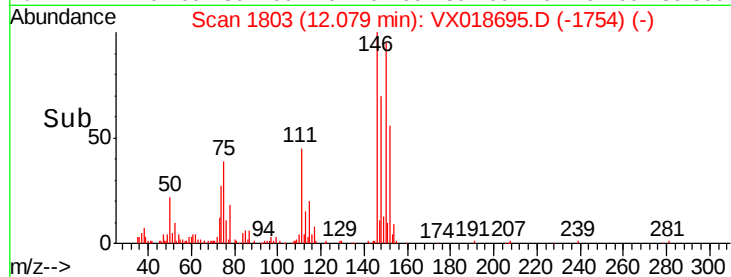
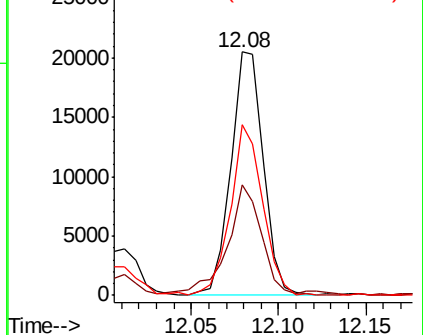
148 70.2 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 0.614 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

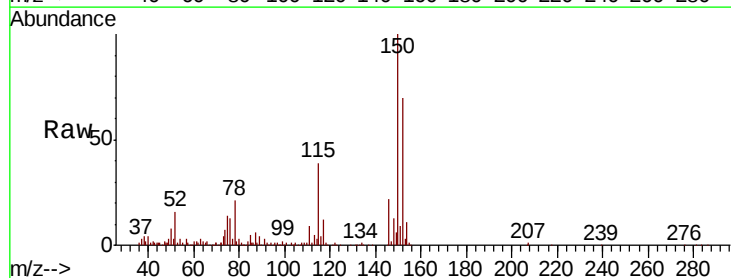
Tgt Ion:146 Resp: 12230

Ion Ratio Lower Upper

146 100

111 42.0 33.6 50.4

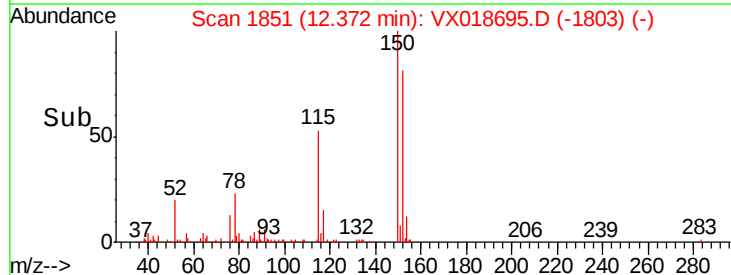
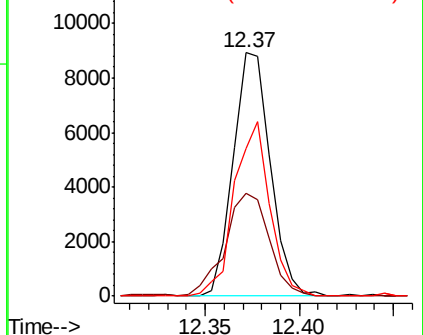
148 60.5 53.4 80.2

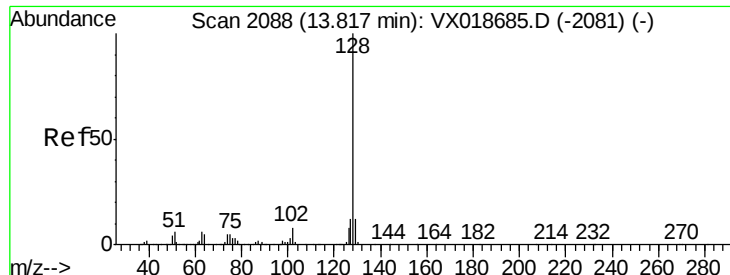


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#70

Naphthalene

Concen: 0.064 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018695.D

Acq: 30 Sep 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

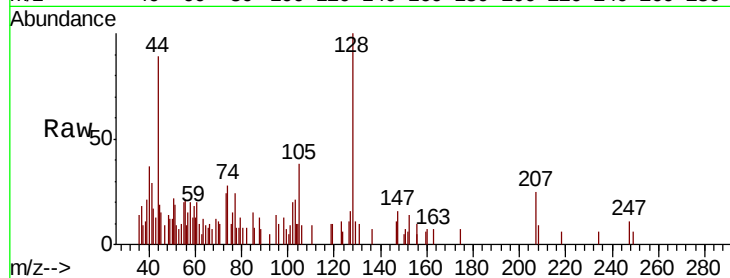
Tot Ion:128 Resp: 1428

Ion Ratio Lower Upper

128 100

129 20.8 8.8 13.2#

127 31.9 10.7 16.1#



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

