

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071719\
 Data File : VU033286.D
 Acq On : 17 Jul 2019 13:15
 Operator : JC/SP
 Sample : K3772-23MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A52MOMS

Quant Time: Jul 18 08:47:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 18 08:01:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	130223	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	136763	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	59066	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	54347	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.67	69	47474	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.26	63	126993	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	4.17	46	113837	46.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.12%
24) Chloroform-d	4.62	84	83405	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.29	65	48686	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.31	84	176598	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.31	67	57117	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.55	98	152231	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	7.83	79	22169	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.30	63	85473	42.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.70%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	47761	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	59687	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

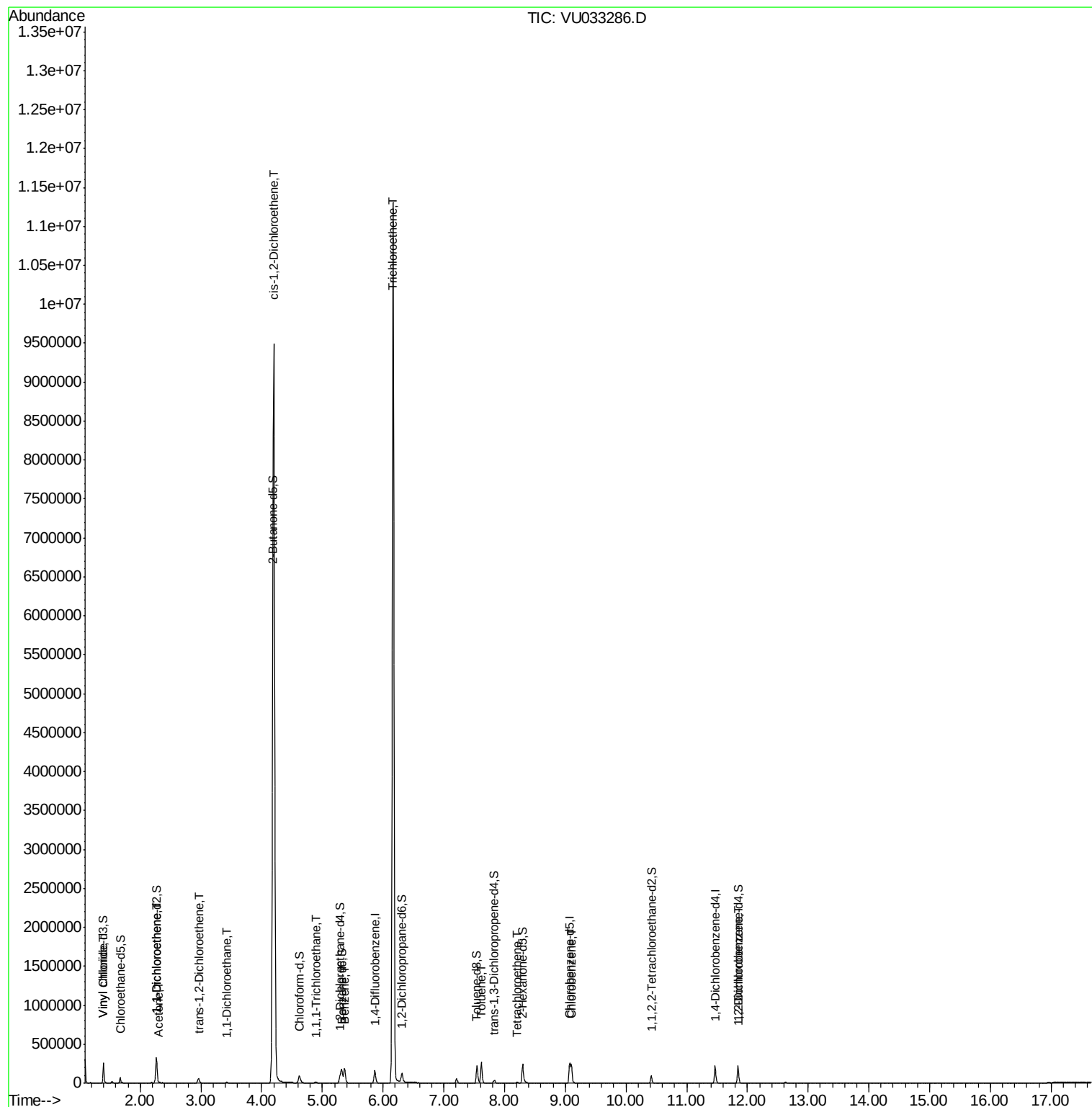
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	121537	8.670	ug/L	99
12) 1,1-Dichloroethene	2.27	96	71787	6.710	ug/L #	82
13) Acetone	2.31	43	10017	4.629	ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	21898	1.853	ug/L	98
19) 1,1-Dichloroethane	3.42	63	9444	0.532	ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	5040351	504.649	ug/L	93
29) 1,1,1-Trichloroethane	4.89	97	6517	0.413	ug/L #	86
33) Benzene	5.37	78	184287	4.758	ug/L	100
34) Trichloroethene	6.16	95	3813993	372.153	ug/L	97
42) Toluene	7.62	91	197948	4.761	ug/L	99
47) Tetrachloroethene	8.21	164	3409	0.415	ug/L	99
51) Chlorobenzene	9.10	112	129749	4.754	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	2851	0.163	ug/L	92

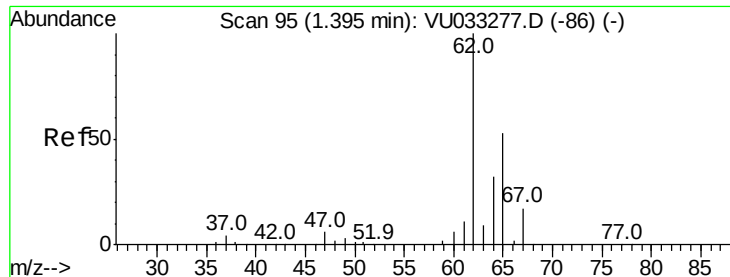
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.670 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

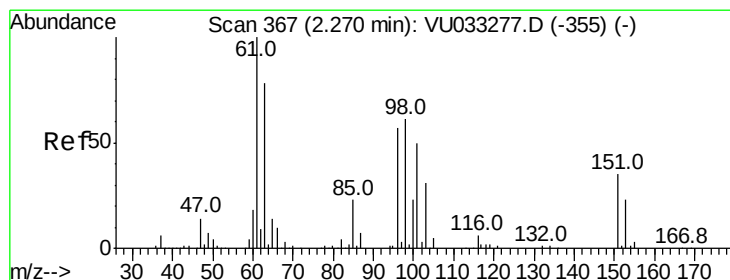
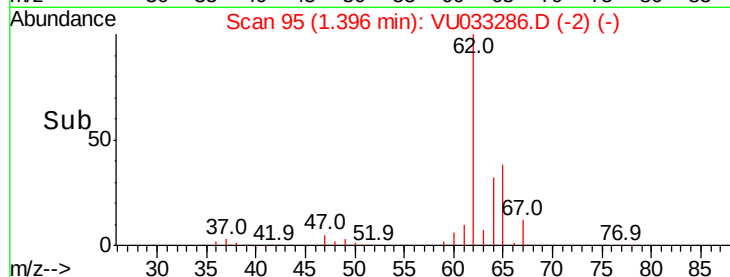
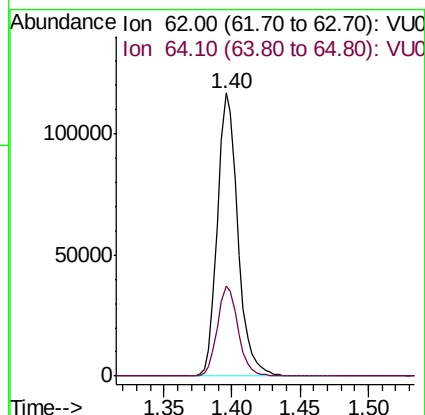
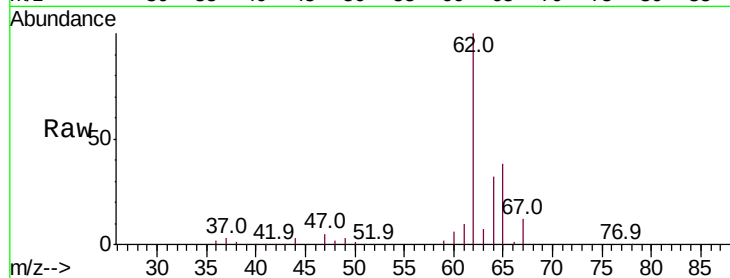
A52M0MS

Tot Ion: 62 Resp: 121537

Ion Ratio Lower Upper

62 100

64 31.9 22.8 42.4



#12

1,1-Dichloroethene

Concen: 6.710 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

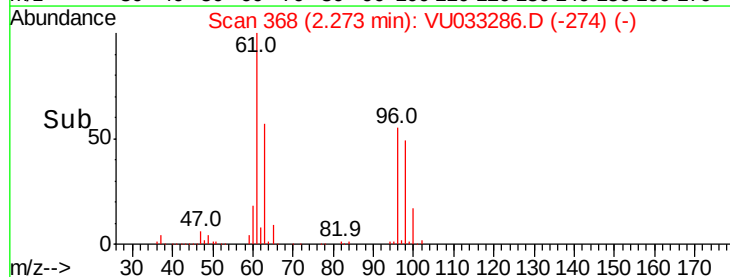
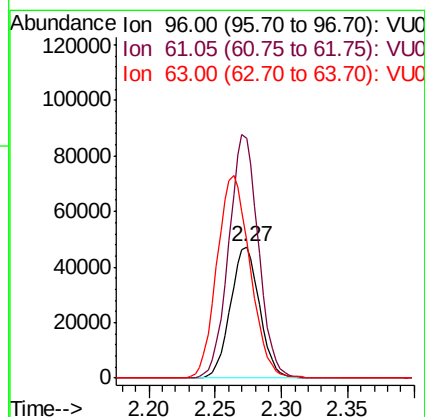
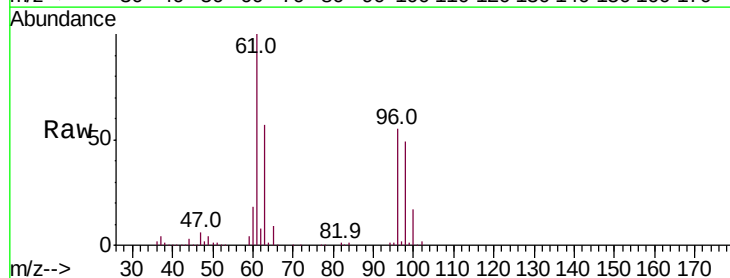
Tgt Ion: 96 Resp: 71787

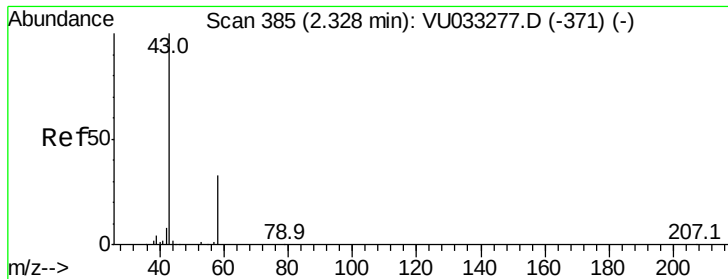
Ion Ratio Lower Upper

96 100

61 183.5 129.3 240.1

63 105.0 108.9 202.3#





#13

Acetone

Concen: 4.629 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

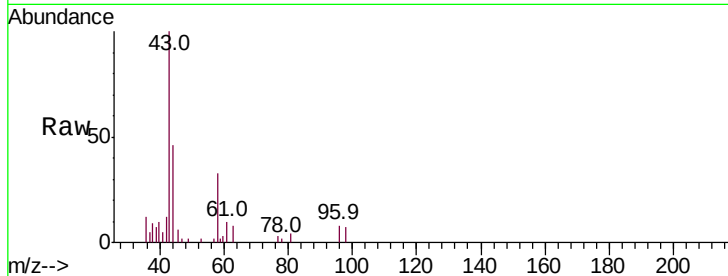
A52M0MS

Tot Ion: 43 Resp: 10017

Ion Ratio Lower Upper

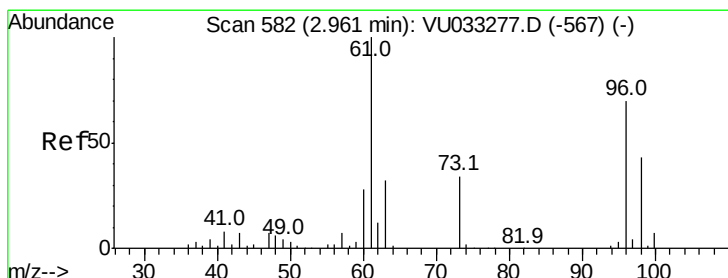
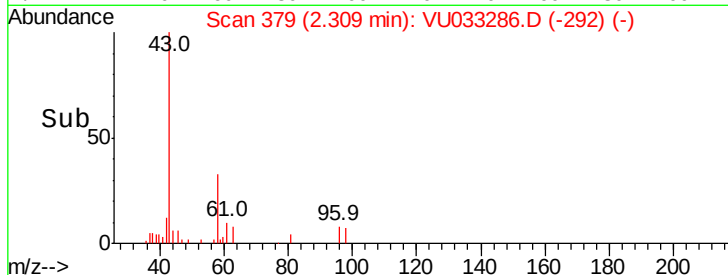
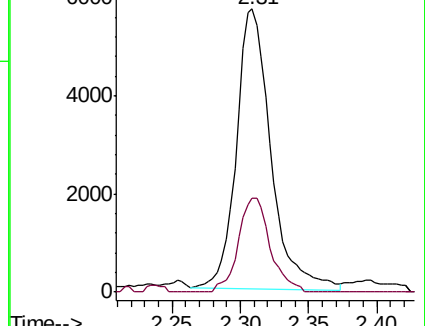
43 100

58 30.9 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU033277.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU033277.D (-371) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.853 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

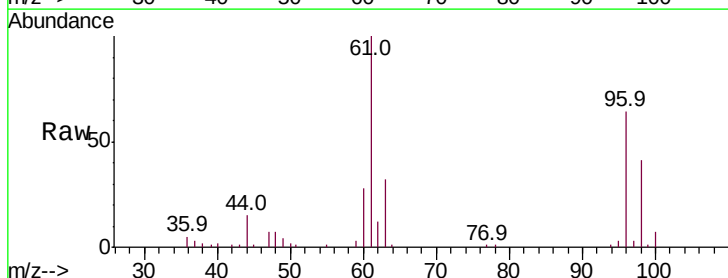
Tgt Ion: 96 Resp: 21898

Ion Ratio Lower Upper

96 100

61 157.0 107.1 198.9

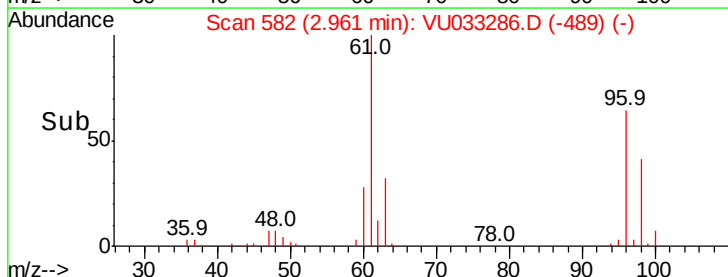
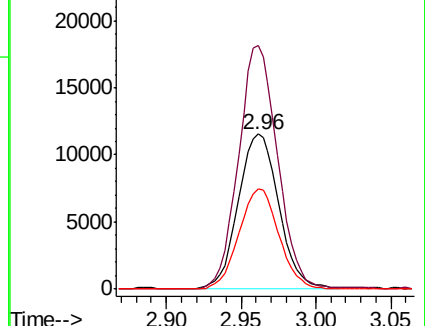
98 64.8 45.4 84.4

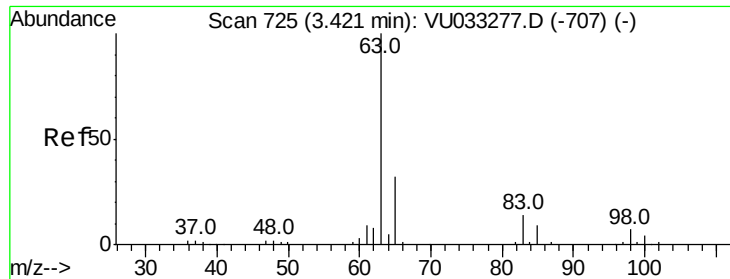


Abundance Ion 96.00 (95.70 to 96.70): VU033277.D (-567) (-)

Ion 61.05 (60.75 to 61.75): VU033277.D (-567) (-)

Ion 97.95 (97.65 to 98.65): VU033277.D (-567) (-)





#19

1,1-Dichloroethane

Concen: 0.532 ug/L

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

A52M0MS

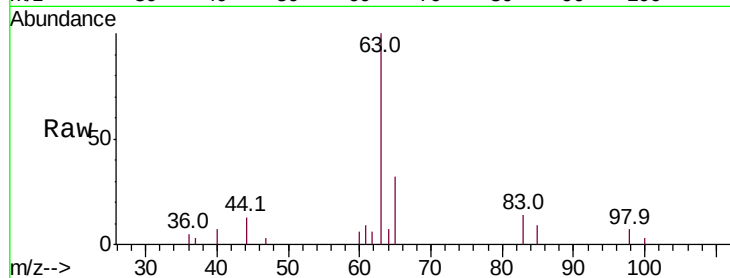
Tot Ion: 63 Resp: 9444

Ion Ratio Lower Upper

63 100

65 32.0 21.7 40.3

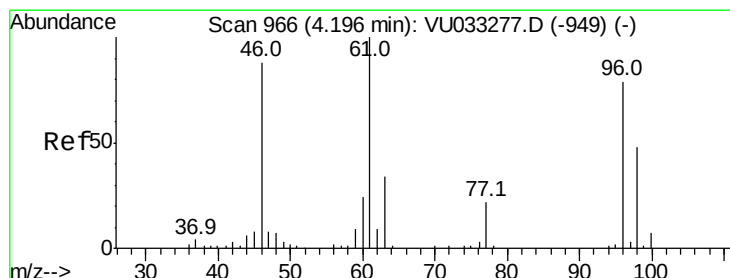
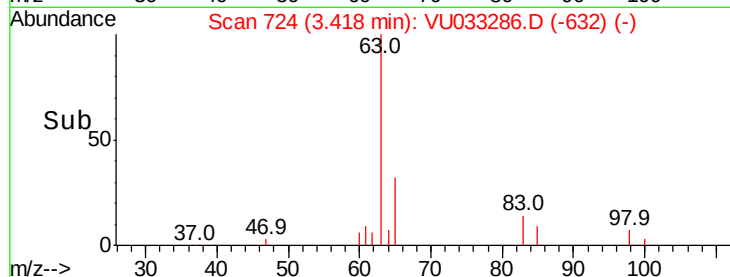
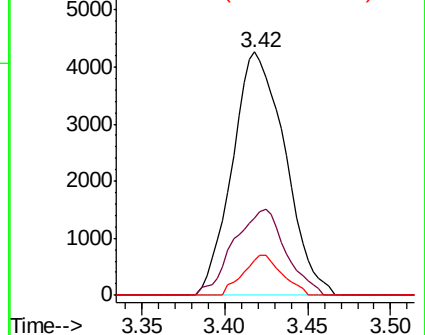
83 14.3 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 504.649 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

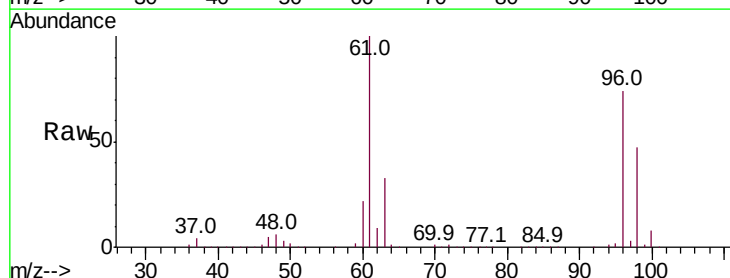
Tgt Ion: 96 Resp: 5040351

Ion Ratio Lower Upper

96 100

61 135.2 89.2 165.6

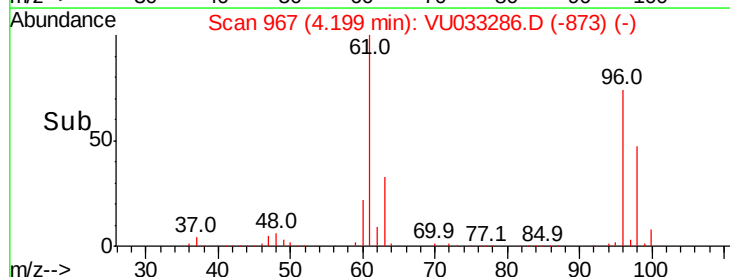
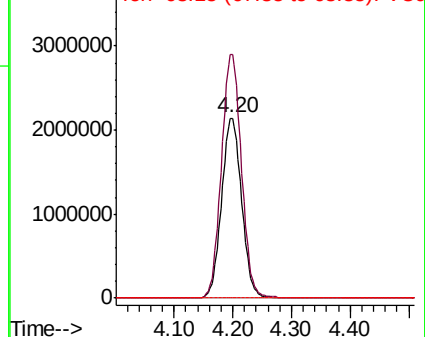
68 0.0 0.0 0.0

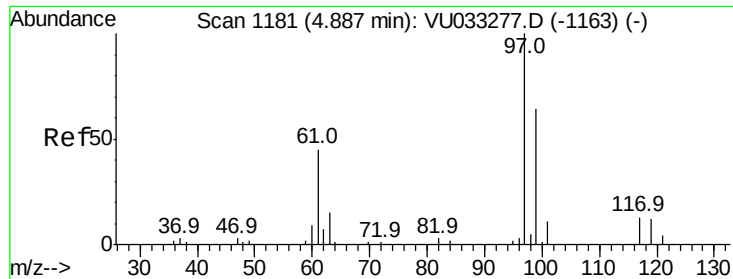


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

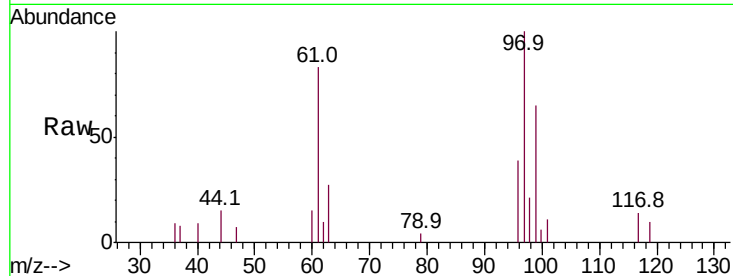




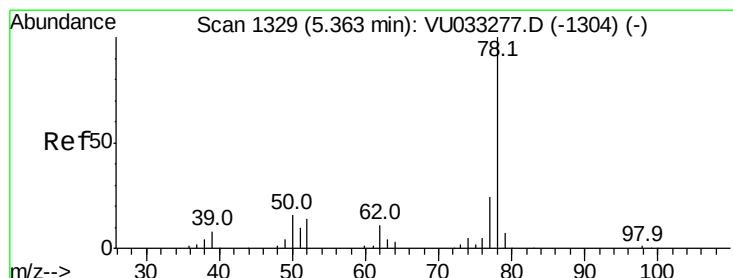
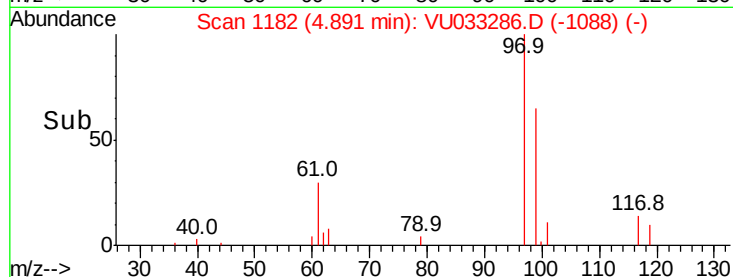
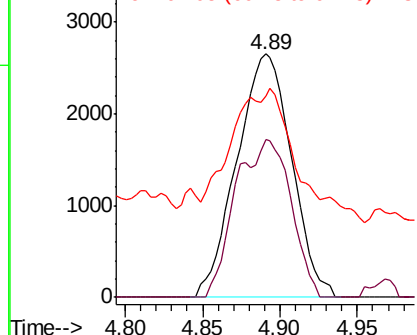
#29
 1,1,1-Trichloroethane
 Concen: 0.413 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU033286.D
 Acq: 17 Jul 2019 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 A52MOMS

Tot Ion: 97 Resp: 6517
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.6 77.4
 61 24.4 36.2 54.4#

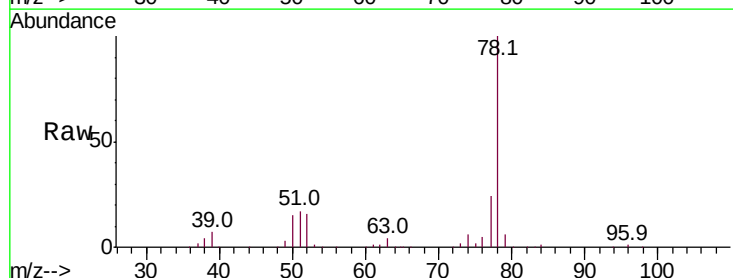


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

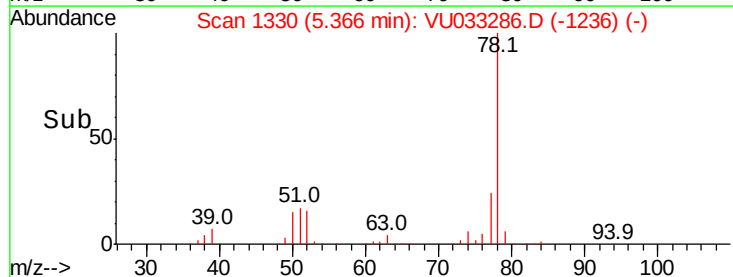
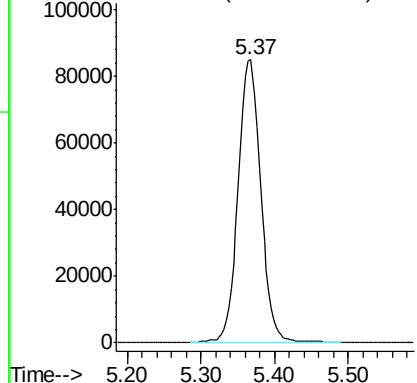


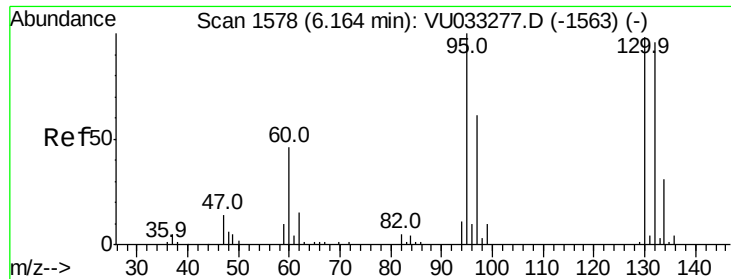
#33
 Benzene
 Concen: 4.758 ug/L
 RT: 5.37 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VU033286.D
 Acq: 17 Jul 2019 13:15

Tgt Ion: 78 Resp: 184287



Abundance Ion 78.10 (77.80 to 78.80): VU0

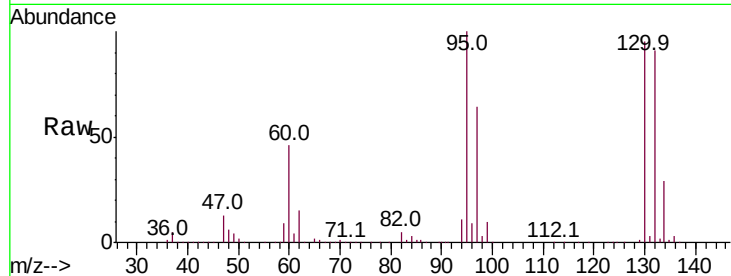




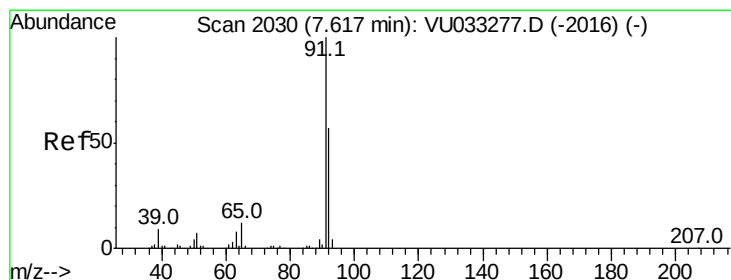
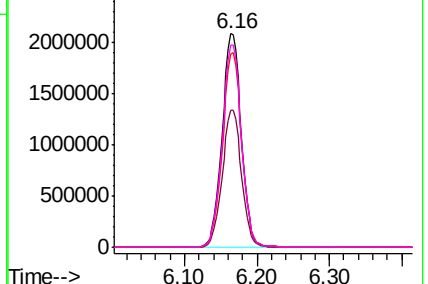
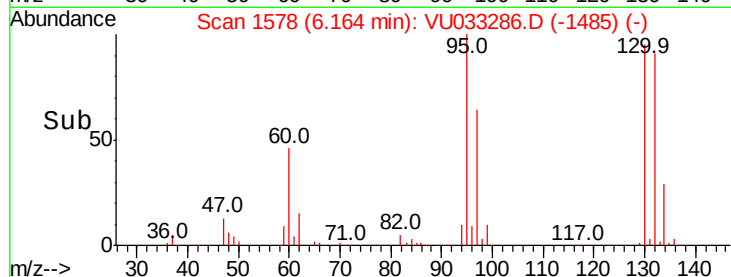
#34
 Trichloroethene
 Concen: 372.153 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033286.D
 Acq: 17 Jul 2019 13:15

Instrument :
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 ClientSampleId :
 A52MOMS

Tot Ion: 95 Resp: 3813993
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.5 82.7
 132 90.6 66.6 123.8
 130 94.6 68.9 127.9

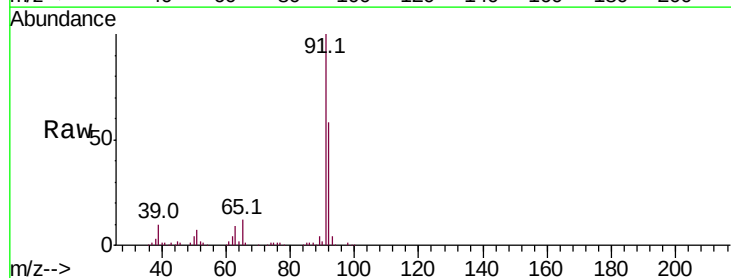


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

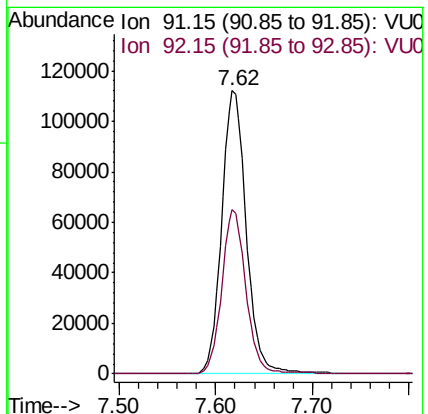
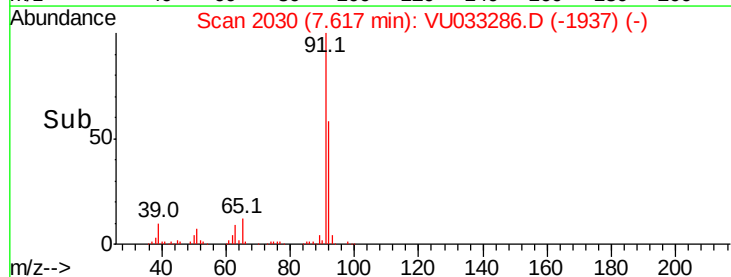


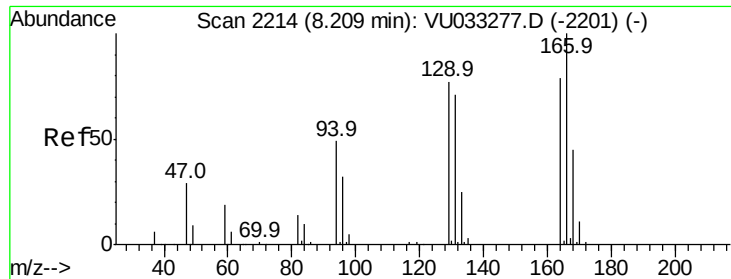
#42
 Toluene
 Concen: 4.761 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033286.D
 Acq: 17 Jul 2019 13:15

Tgt Ion: 91 Resp: 197948
 Ion Ratio Lower Upper
 91 100
 92 57.8 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0

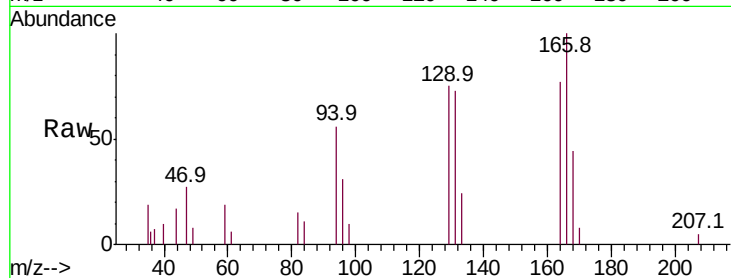




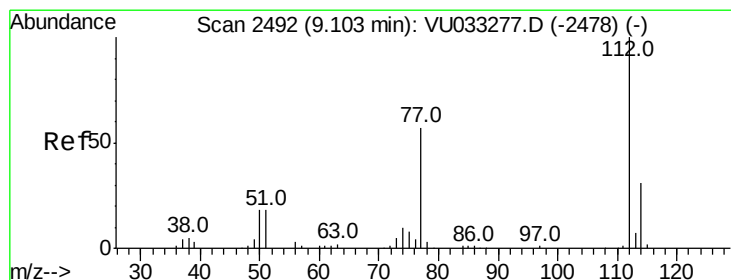
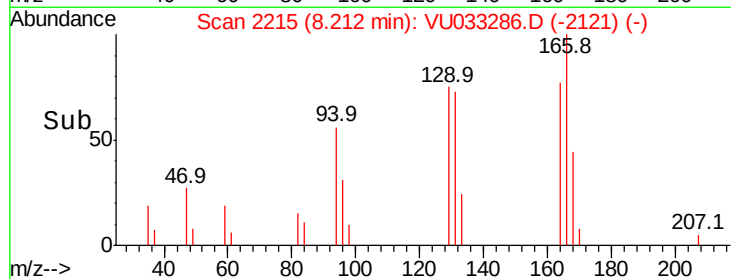
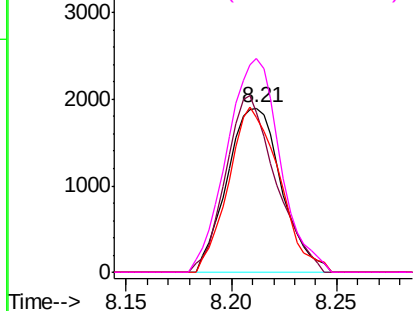
#47
Tetrachloroethene
Concen: 0.415 ug/L
RT: 8.21 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VU033286.D
Acq: 17 Jul 2019 13:15

Instrument :
MSVOA_U
ClientSampleId :
A52M0MS

Tot Ion:164 Resp: 3409
Ion Ratio Lower Upper
164 100
129 97.4 68.5 127.1
131 94.8 67.3 124.9
166 130.2 93.1 172.9

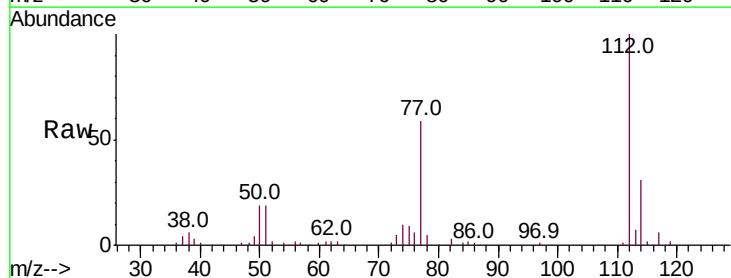


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

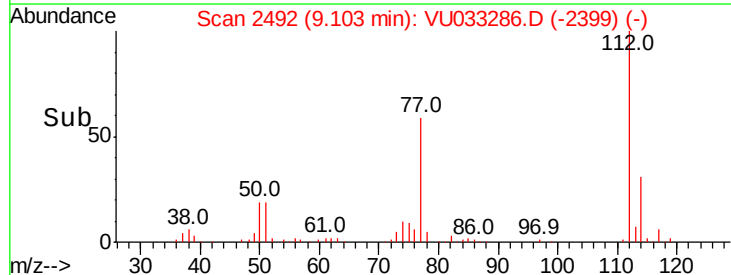
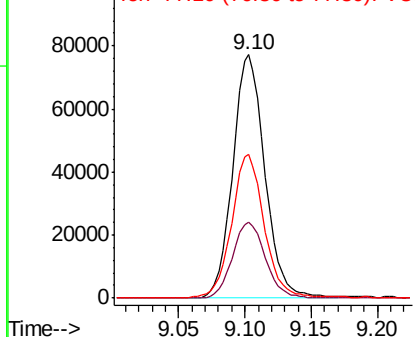


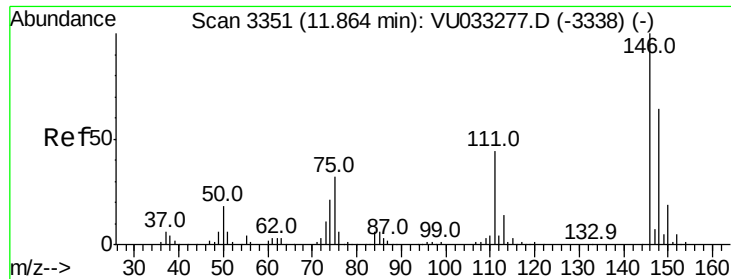
#51
Chlorobenzene
Concen: 4.754 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033286.D
Acq: 17 Jul 2019 13:15

Tgt Ion:112 Resp: 129749
Ion Ratio Lower Upper
112 100
114 31.4 22.1 41.1
77 59.1 46.9 70.3



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): VU





#65

1,2-Dichlorobenzene

Concen: 0.163 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033286.D

Acq: 17 Jul 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

A52M0MS

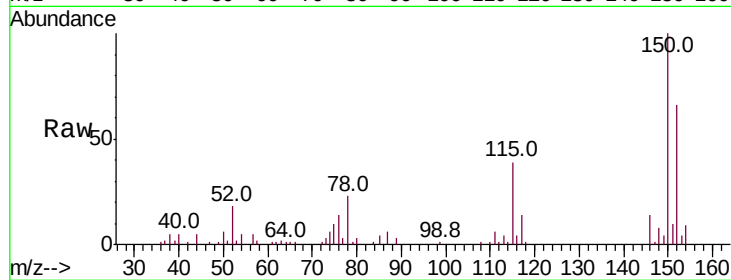
Tot Ion:146 Resp: 2851

Ion Ratio Lower Upper

146 100

111 46.6 34.2 51.4

148 57.3 52.0 78.0



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

