

Data File : VU035469.D
Acq On : 24 Oct 2019 19:23
Operator : JC/SP
Sample : K5488-05DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G39DL

Quant Time: Oct 25 07:09:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	214326	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	220583	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	63196	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	47794	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	1.93	69	51849	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.59	63	65877	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	4.70	46	236393	62.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.88%
24) Chloroform-d	5.11	84	118737	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.75	65	69551	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.77	84	202901	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.40%
36) 1,2-Dichloropropane-d6	6.74	67	79087	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.93	98	154150	3.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.80%#
43) trans-1,3-Dichloropropene-	8.21	79	25639	3.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.00%
46) 2-Hexanone-d5	8.68	63	141563	41.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.60%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	75298	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	50559	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

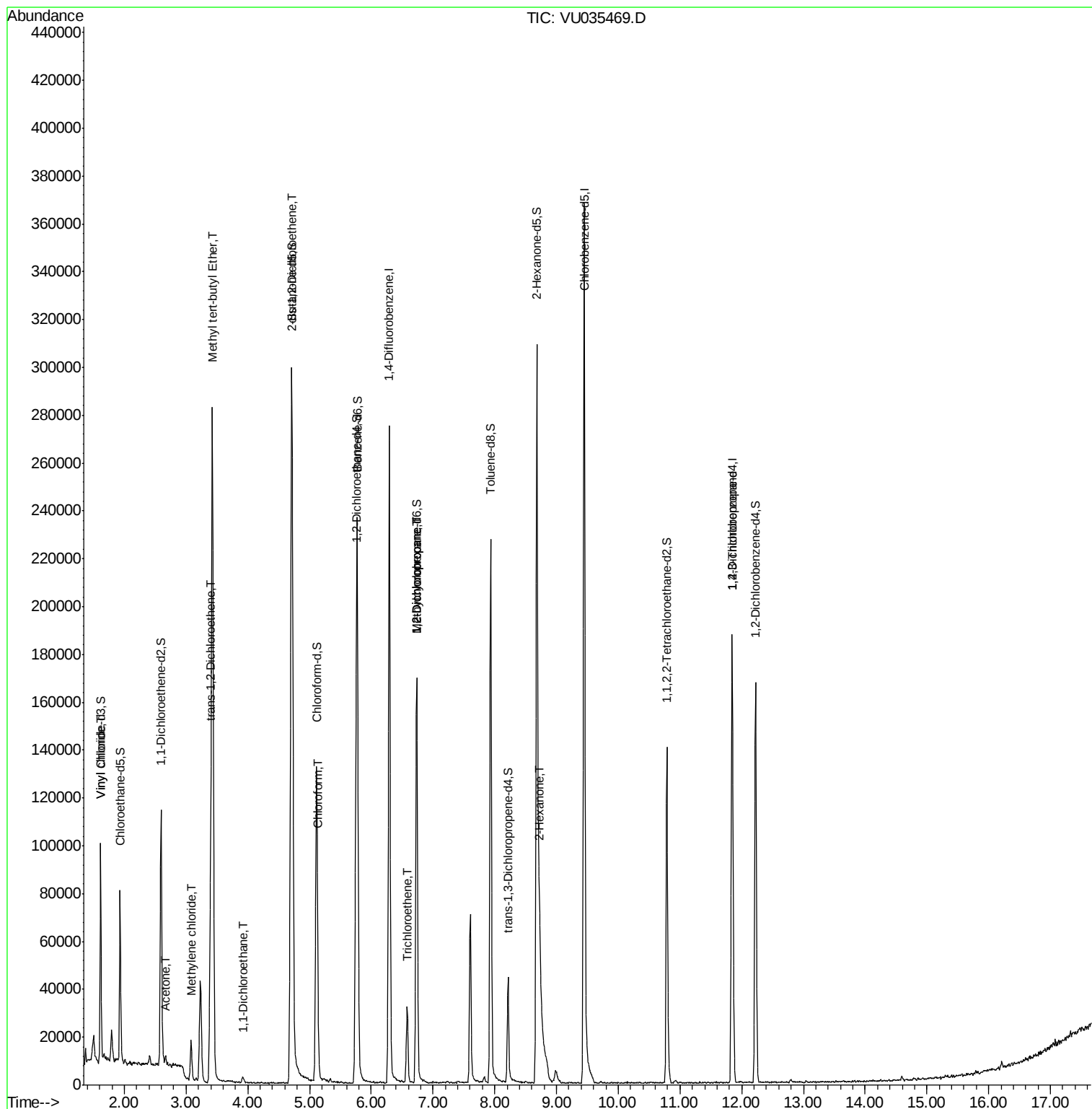
					Qvalue
5) Vinyl chloride	1.62	62	11663	0.628 ug/L #	70
13) Acetone	2.67	43	2292	0.877 ug/L	88
16) Methylene chloride	3.08	84	7402	0.447 ug/L	95
17) Methyl tert-butyl Ether	3.43	73	294900	7.958 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	22110	1.488 ug/L	89
19) 1,1-Dichloroethane	3.92	63	3143	0.117 ug/L	87
22) cis-1,2-Dichloroethene	4.72	96	92920	5.657 ug/L	92
25) Chloroform	5.14	83	6490	0.220 ug/L	98
34) Trichloroethene	6.58	95	10673	0.612 ug/L	90
35) Methylcyclohexane	6.73	83	17478	0.599 ug/L #	18
37) 1,2-Dichloropropane	6.74	63	8495	0.516 ug/L #	86
48) 2-Hexanone	8.73	43	12336	1.581 ug/L #	73
59) 1,2,3-Trichloropropane	11.84	75	7333	0.639 ug/L #	88

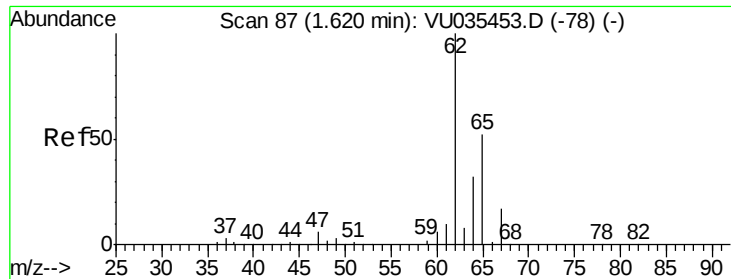
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.628 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035469.D

Acq: 24 Oct 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

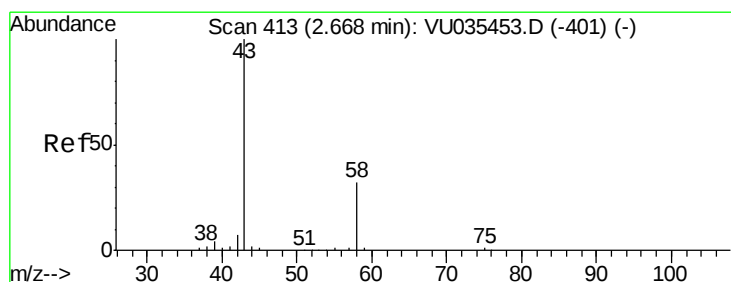
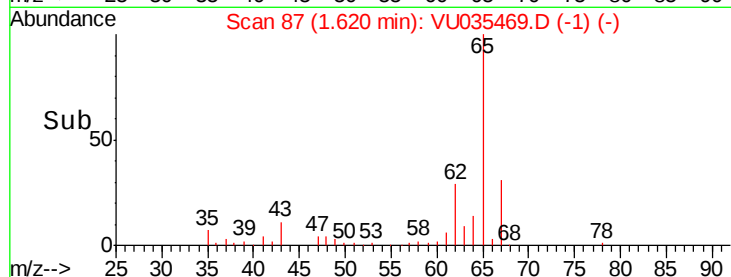
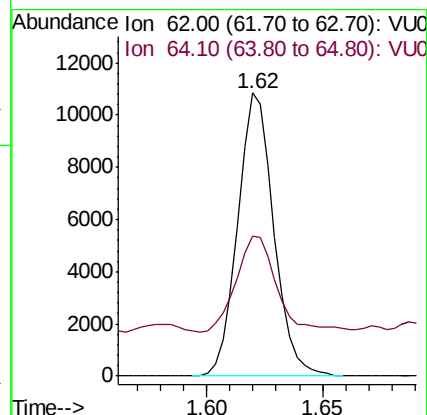
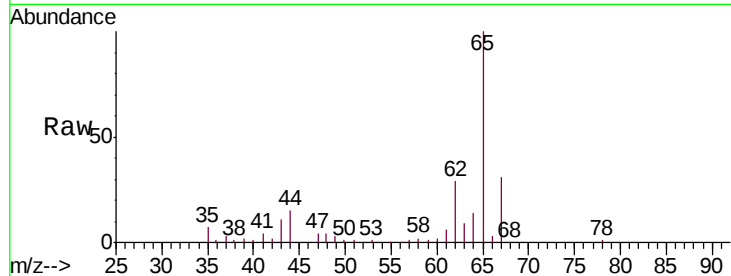
H0G39DL

Tgt Ion: 62 Resp: 11663

Ion Ratio Lower Upper

62 100

64 49.6 22.9 42.5#



#13

Acetone

Concen: 0.877 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035469.D

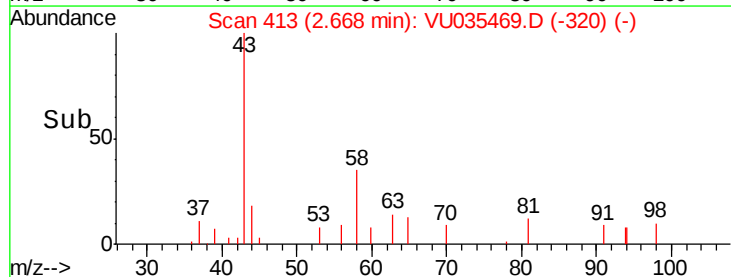
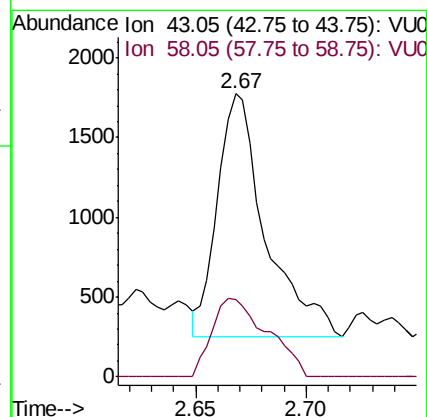
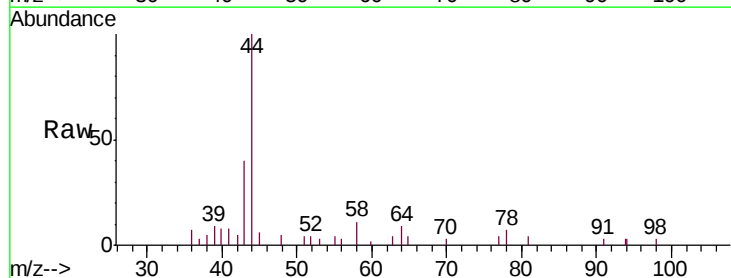
Acq: 24 Oct 2019 19:23

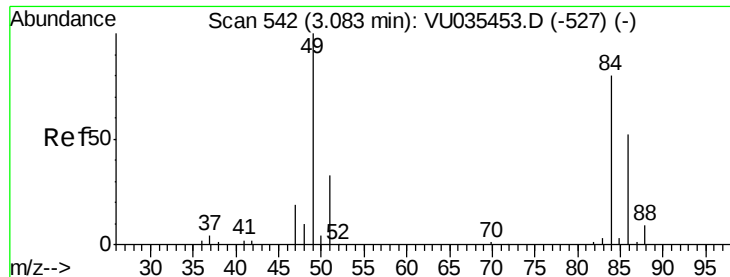
Tgt Ion: 43 Resp: 2292

Ion Ratio Lower Upper

43 100

58 37.6 0.0 61.8

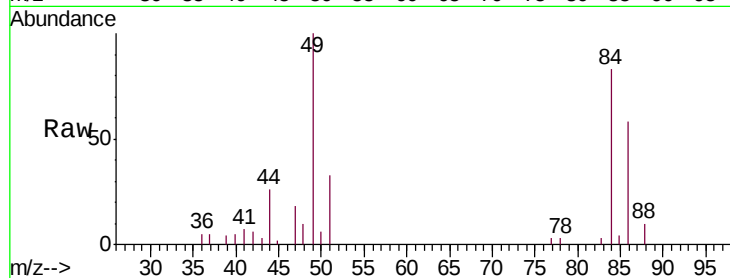




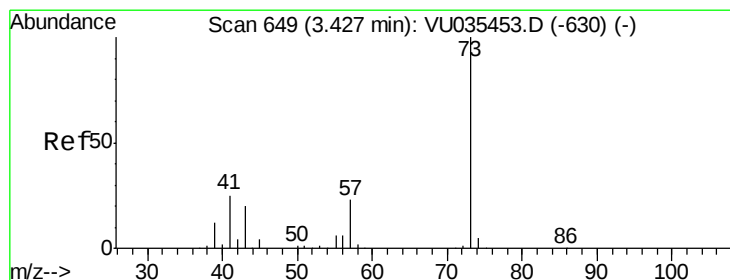
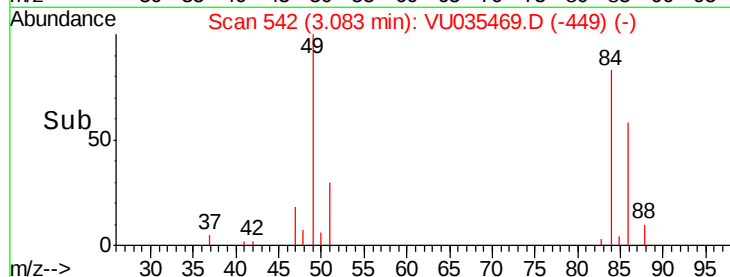
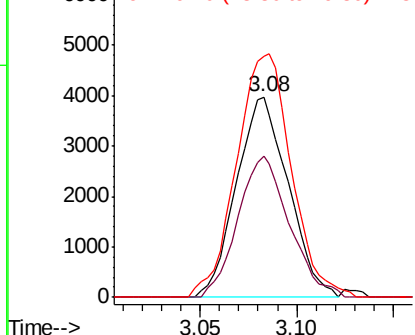
#16
Methylene chloride
Concen: 0.447 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035469.D
Acq: 24 Oct 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
H0G39DL

Tgt Ion: 84 Resp: 7402
Ion Ratio Lower Upper
84 100
86 70.3 45.4 84.2
49 120.3 86.8 161.2

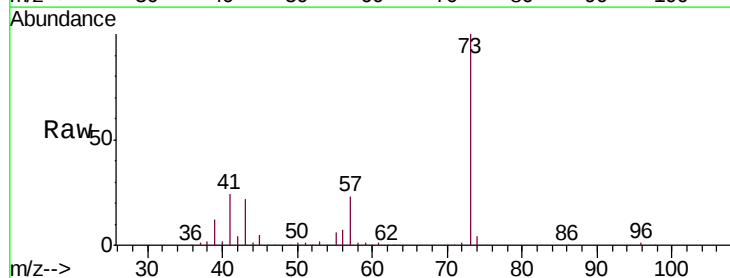


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

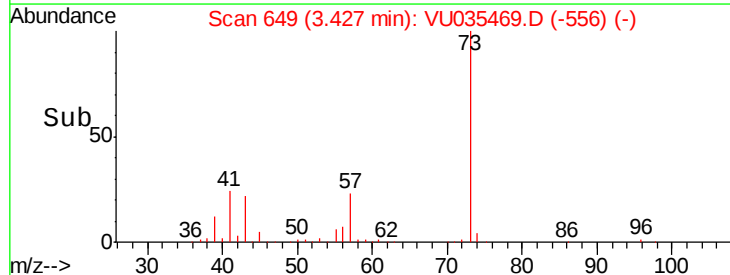
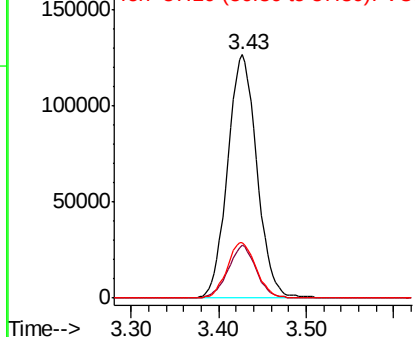


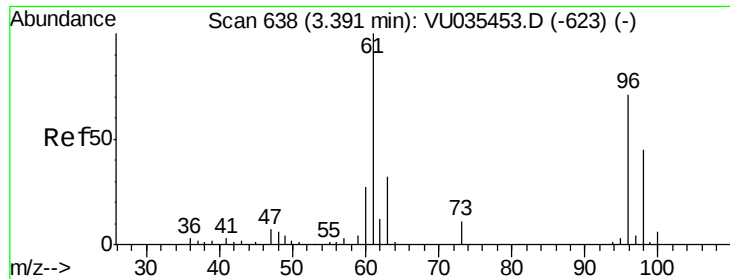
#17
Methyl tert-butyl Ether
Concen: 7.958 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035469.D
Acq: 24 Oct 2019 19:23

Tgt Ion: 73 Resp: 294900
Ion Ratio Lower Upper
73 100
43 20.9 16.0 24.0
57 22.7 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 1.488 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035469.D

Acq: 24 Oct 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

H0G39DL

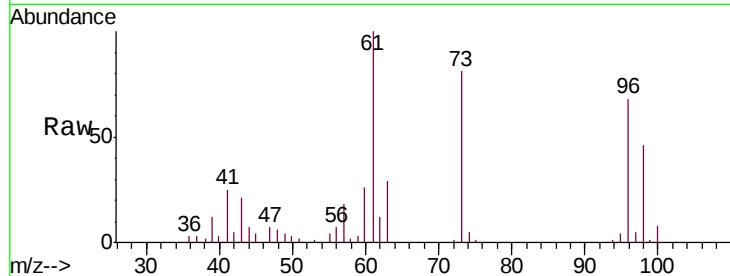
Tgt Ion: 96 Resp: 22110

Ion Ratio Lower Upper

96 100

61 147.7 93.0 172.6

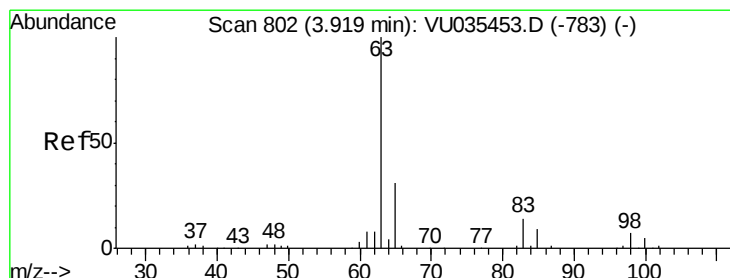
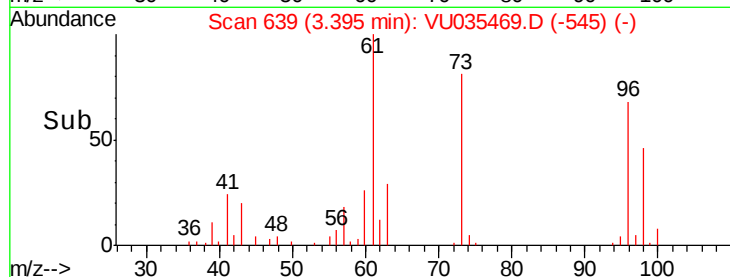
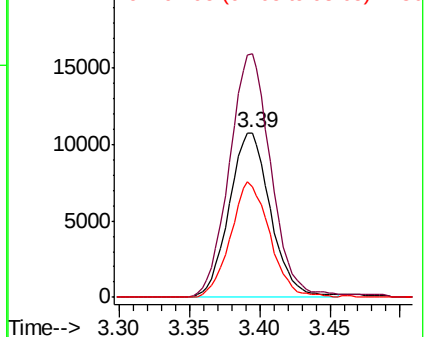
98 67.2 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035469.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035469.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035469.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.117 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035469.D

Acq: 24 Oct 2019 19:23

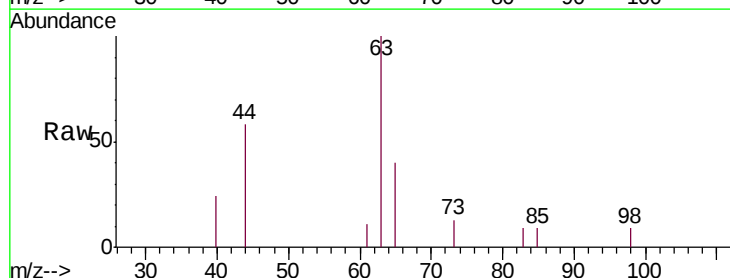
Tgt Ion: 63 Resp: 3143

Ion Ratio Lower Upper

63 100

65 40.2 22.4 41.6

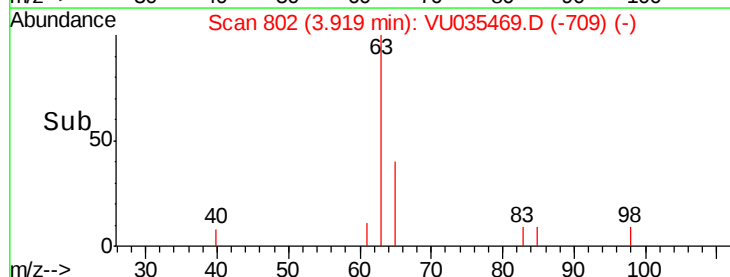
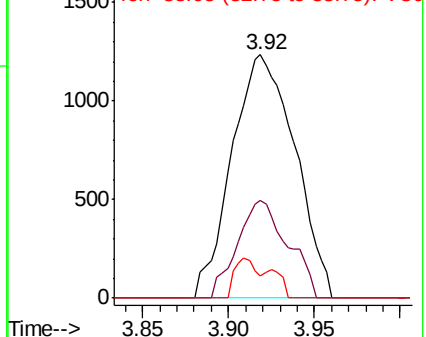
83 9.3 9.3 17.3

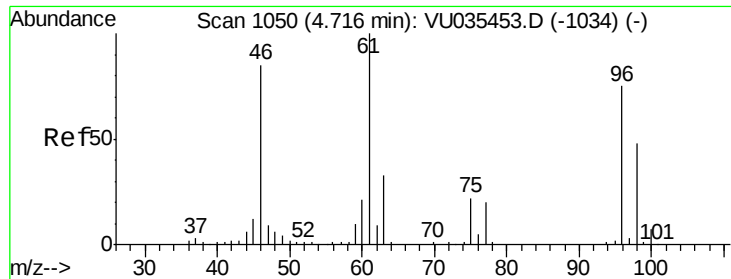


Abundance Ion 63.10 (62.80 to 63.80): VU035469.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035469.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035469.D (-709) (-)

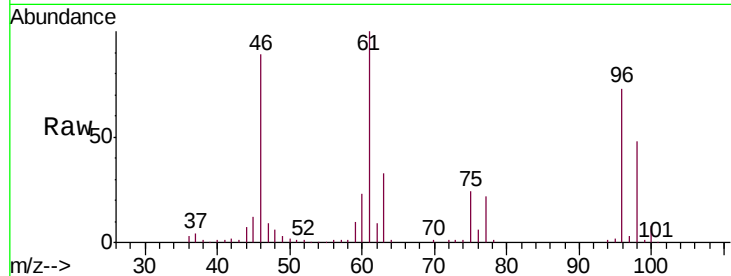




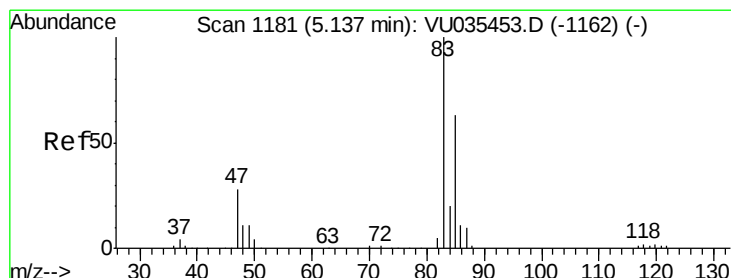
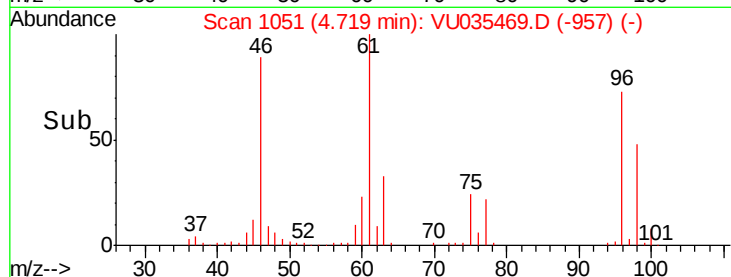
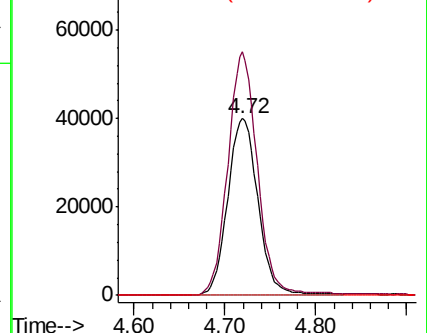
#22
 cis-1,2-Dichloroethene
 Concen: 5.657 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035469.D
 Acq: 24 Oct 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G39DL

Tgt Ion: 96 Resp: 92920
 Ion Ratio Lower Upper
 96 100
 61 137.7 89.7 166.5
 68 0.0 0.0 0.0

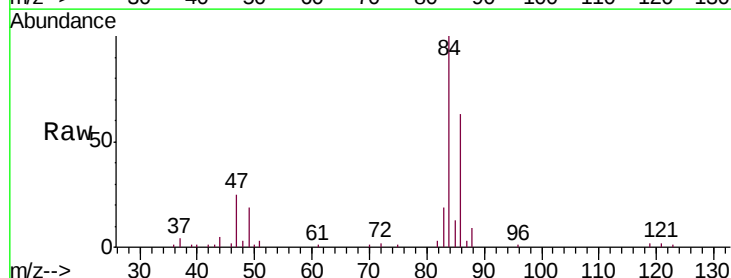


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

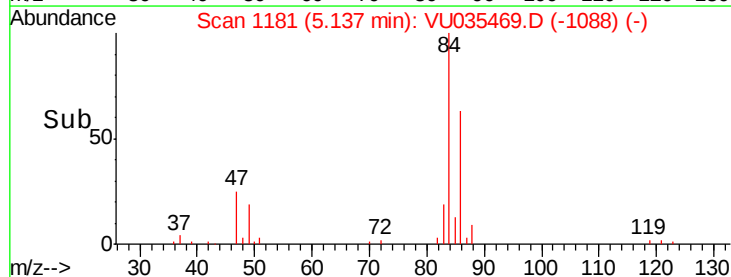
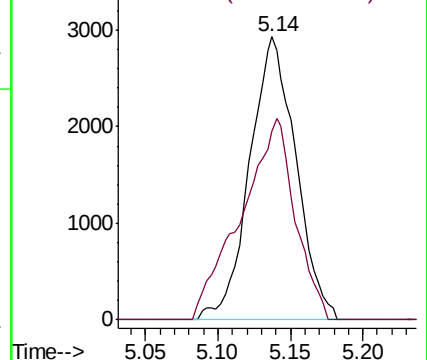


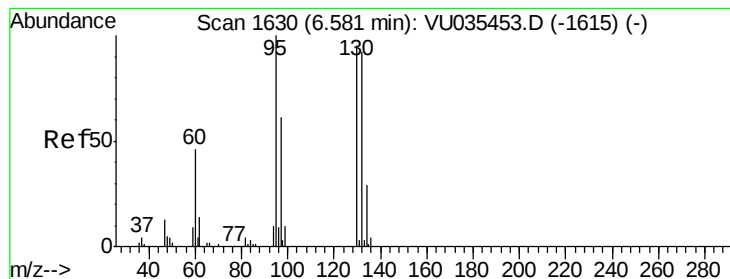
#25
 Chloroform
 Concen: 0.220 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU035469.D
 Acq: 24 Oct 2019 19:23

Tgt Ion: 83 Resp: 6490
 Ion Ratio Lower Upper
 83 100
 85 66.5 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.612 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035469.D

Acq: 24 Oct 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

H0G39DL

Tgt Ion: 95 Resp: 10673

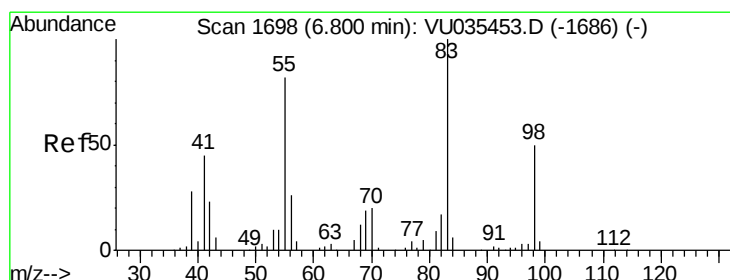
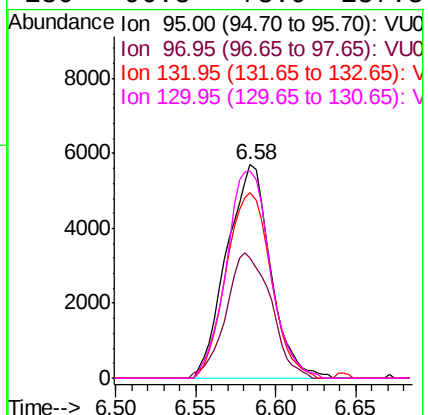
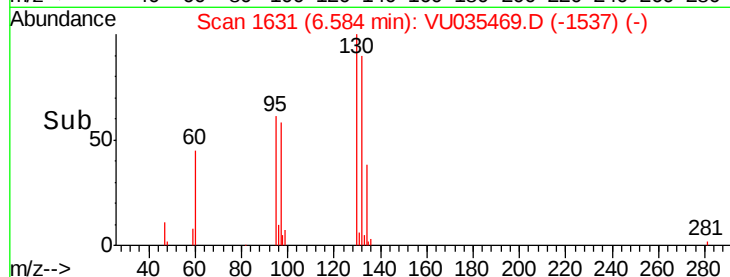
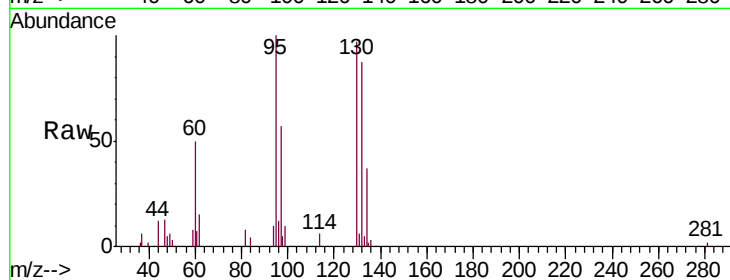
Ion Ratio Lower Upper

95 100

97 56.6 46.6 86.6

132 87.1 68.7 127.7

130 96.8 73.9 137.3



#35

Methylcyclohexane

Concen: 0.599 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035469.D

Acq: 24 Oct 2019 19:23

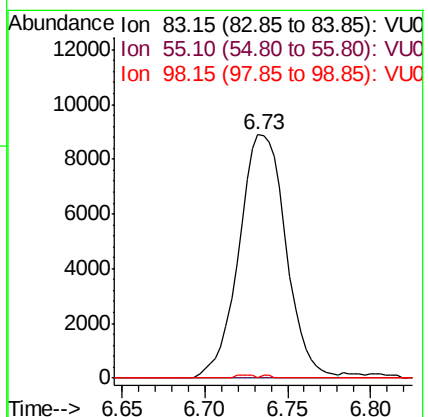
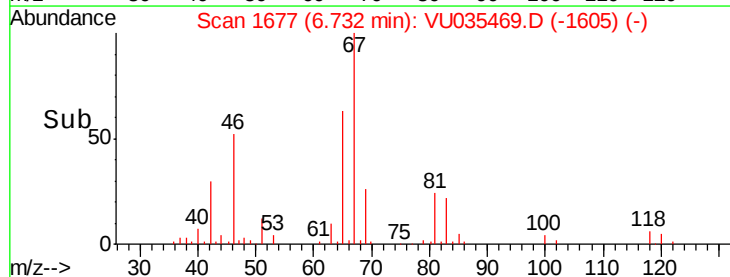
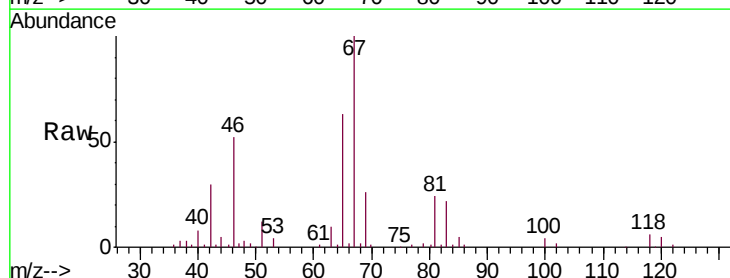
Tgt Ion: 83 Resp: 17478

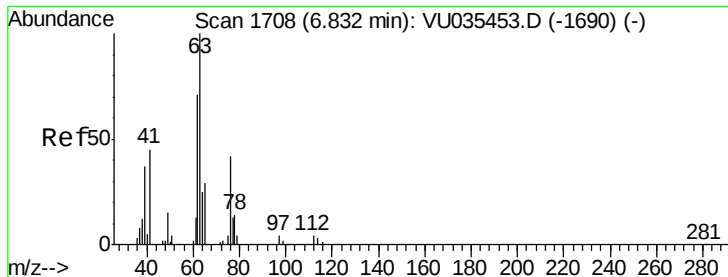
Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

98 0.5 39.5 59.3#

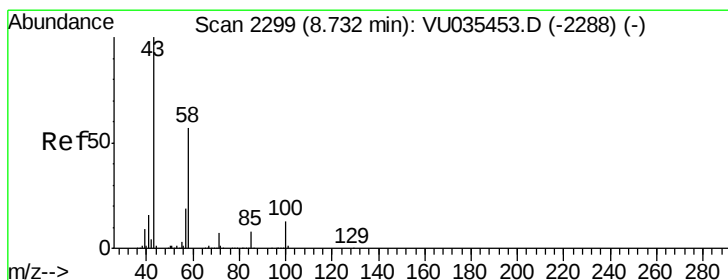
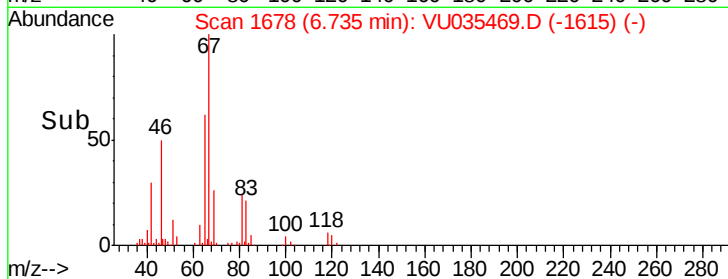
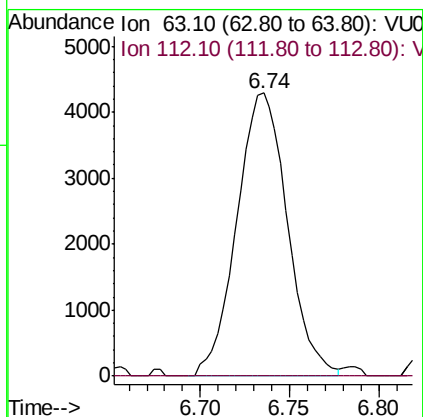
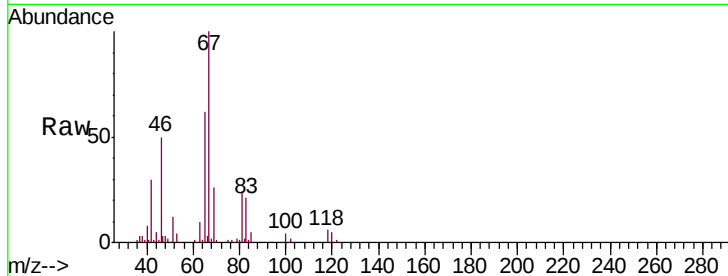




#37
 1,2-Dichloropropane
 Concen: 0.516 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035469.D
 Acq: 24 Oct 2019 19:23

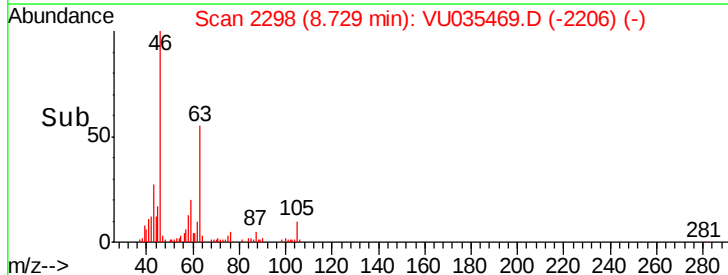
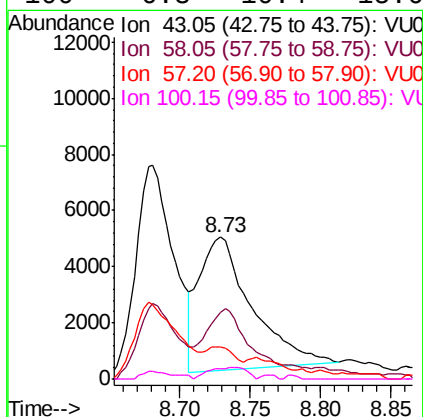
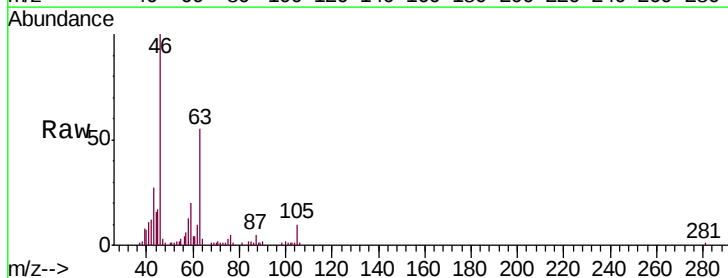
Instrument :
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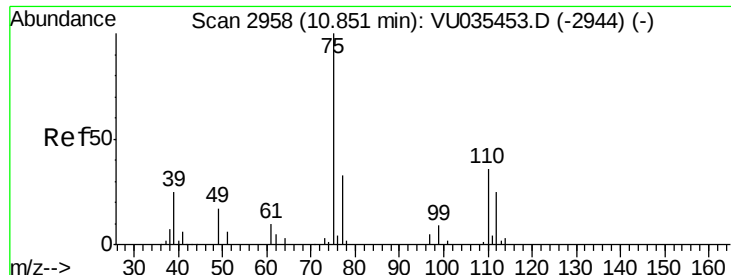
Tgt Ion: 63 Resp: 8495
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#48
 2-Hexanone
 Concen: 1.581 ug/L
 RT: 8.73 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VU035469.D
 Acq: 24 Oct 2019 19:23

Tgt Ion: 43 Resp: 12336
 Ion Ratio Lower Upper
 43 100
 58 33.2 45.1 67.7#
 57 11.6 16.0 24.0#
 100 6.3 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.639 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035469.D

Acq: 24 Oct 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

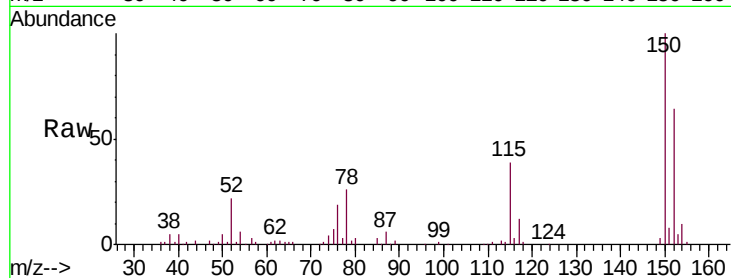
H0G39DL

Tgt Ion: 75 Resp: 7333

Ion Ratio Lower Upper

75 100

77 39.3 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

