

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070920\
 Data File : VU039402.D
 Acq On : 09 Jul 2020 17:57
 Operator : SY/MD
 Sample : L3231-01DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4283DL

Quant Time: Jul 10 00:22:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 00:19:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	95310	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	88365	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44066	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	25162	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.93	69	30934	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.58	63	40808	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	4.65	46	152886	60.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.98%
24) Chloroform-d	5.09	84	64782	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.72	65	42875	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
32) Benzene-d6	5.75	84	126183	5.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.60%
36) 1,2-Dichloropropane-d6	6.71	67	44277	5.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.40%
41) Toluene-d8	7.91	98	108050	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.20%
43) trans-1,3-Dichloropropene-	8.19	79	17906	5.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.60%
46) 2-Hexanone-d5	8.64	63	109902	56.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.28%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	40297	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	45502	5.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.60%

Target Compounds

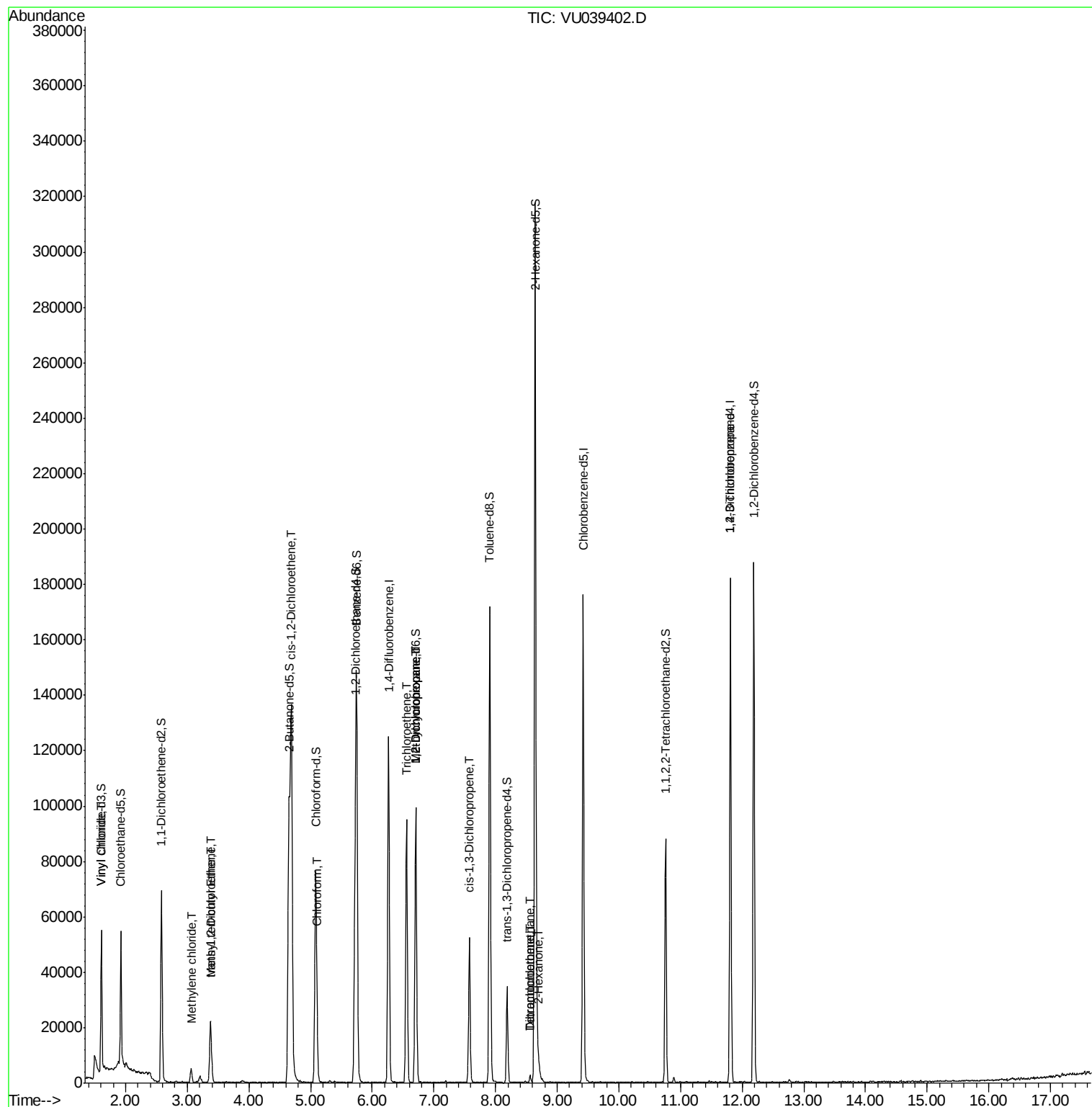
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	6652	0.856	ug/L #	46
16) Methylene chloride	3.06	84	2157	0.303	ug/L	89
17) Methyl tert-butyl Ether	3.39	73	12265	0.687	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	4797	0.764	ug/L	90
22) cis-1,2-Dichloroethene	4.69	96	56504	8.030	ug/L	99
25) Chloroform	5.11	83	3470	0.280	ug/L	83
34) Trichloroethene	6.56	95	31124	4.557	ug/L	96
35) Methylcyclohexane	6.71	83	9738	0.890	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5412	0.751	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1796	0.165	ug/L	96
47) Tetrachloroethene	8.56	164	627	0.132	ug/L	91
48) 2-Hexanone	8.70	43	4527	1.022	ug/L #	95
49) Dibromochloromethane	8.56	129	588	0.094	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6709	1.264	ug/L	90

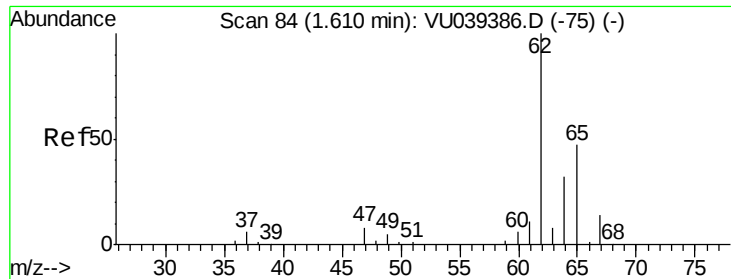
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.856 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039402.D

Acq: 09 Jul 2020 17:57

Instrument :

MSVOA_U

ClientSampleID :

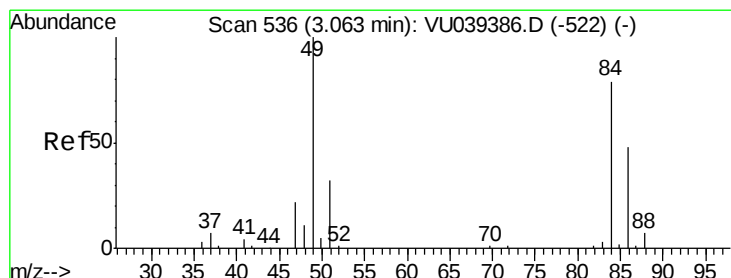
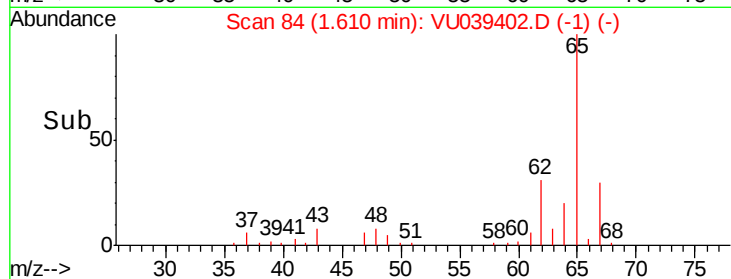
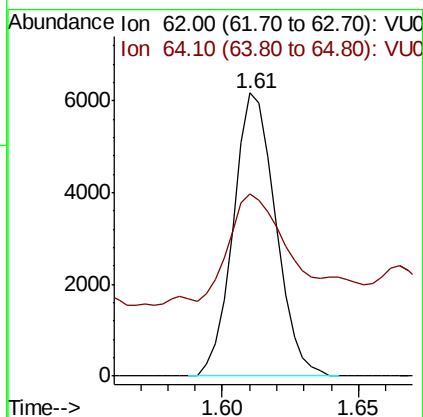
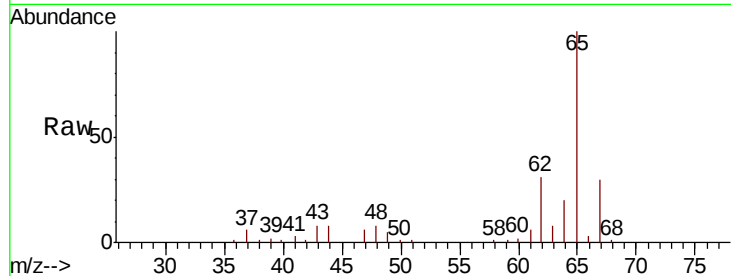
H4283DL

Tot Ion: 62 Resp: 6652

Ion Ratio Lower Upper

62 100

64 64.6 23.7 44.1#



#16

Methylene chloride

Concen: 0.303 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039402.D

Acq: 09 Jul 2020 17:57

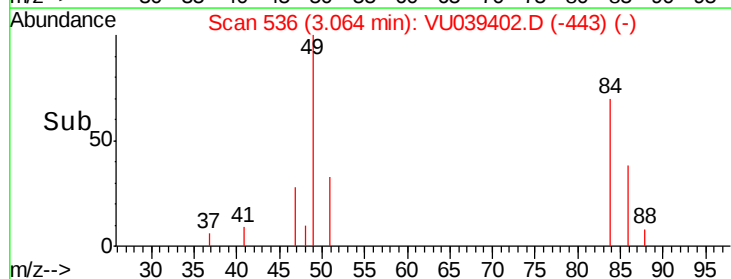
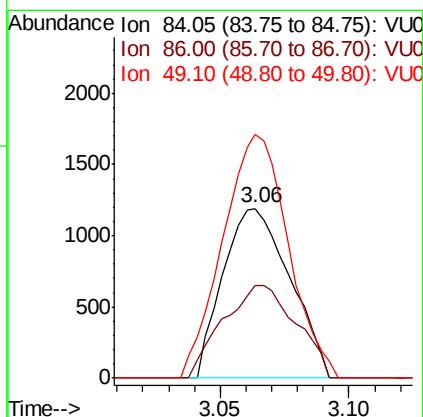
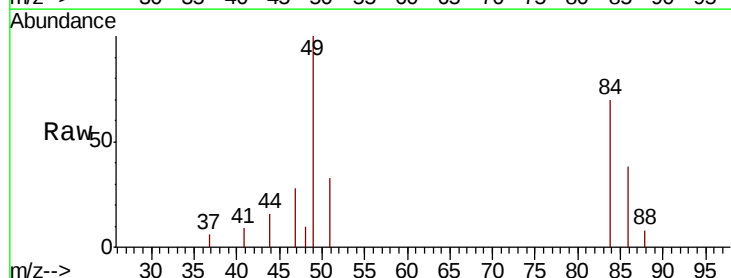
Tgt Ion: 84 Resp: 2157

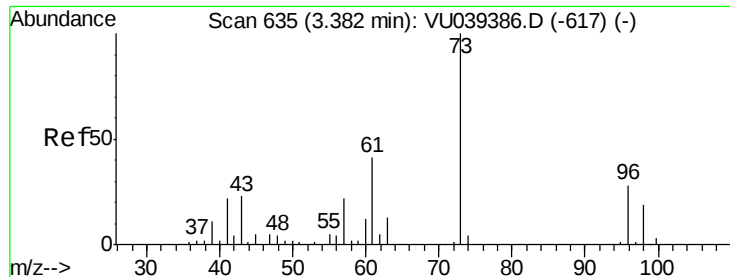
Ion Ratio Lower Upper

84 100

86 54.1 43.5 80.9

49 143.2 91.1 169.1

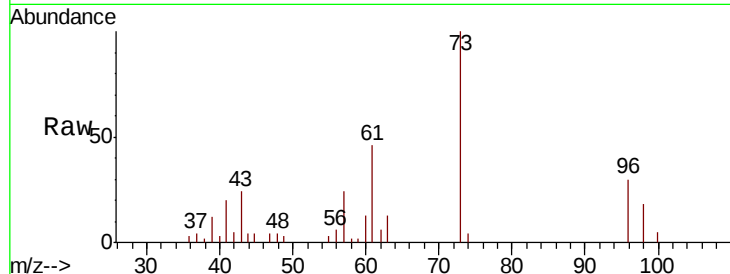




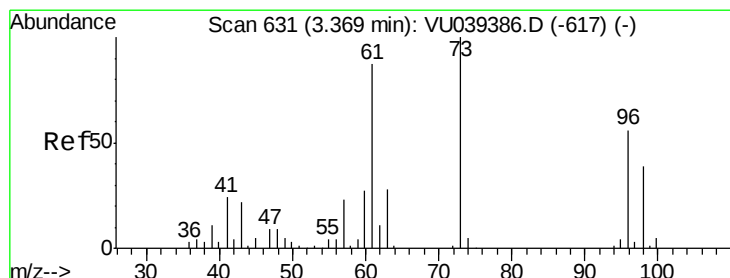
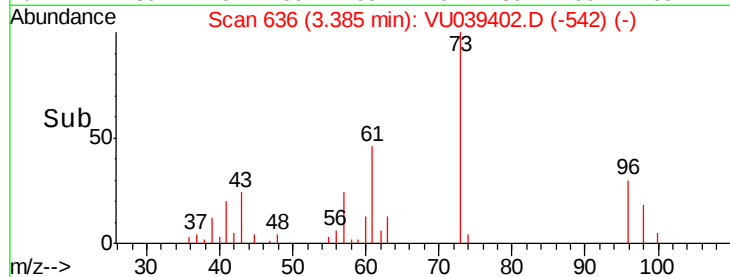
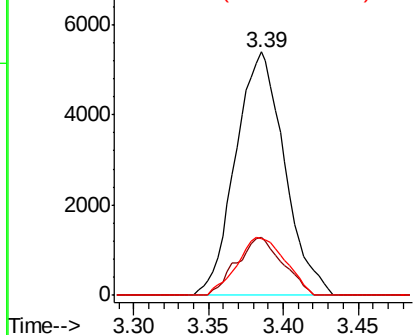
#17
Methvl tert-butvl Ether
Concen: 0.687 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039402.D
Acq: 09 Jul 2020 17:57

Instrument :
MSVOA_U
ClientSampleId :
H4283DL

Tot Ion: 73 Resp: 12265
Ion Ratio Lower Upper
73 100
43 22.4 18.6 28.0
57 23.3 17.9 26.9

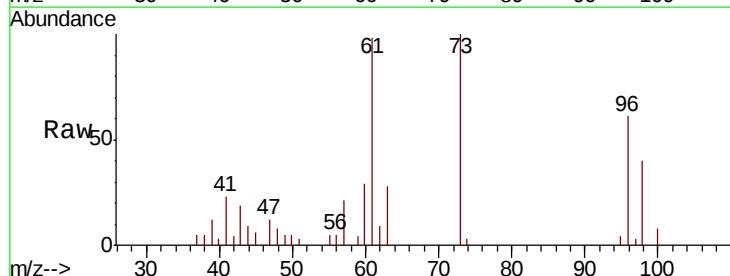


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

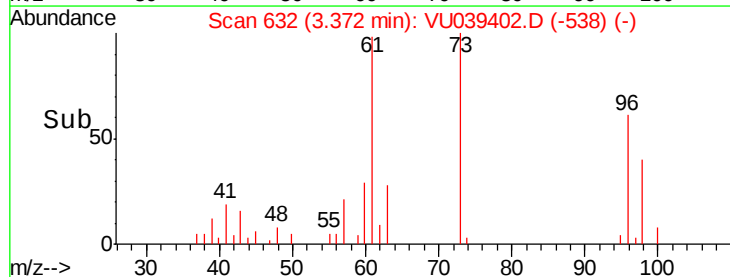
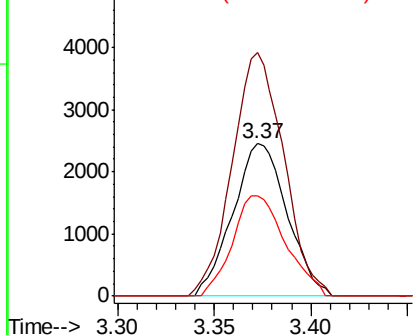


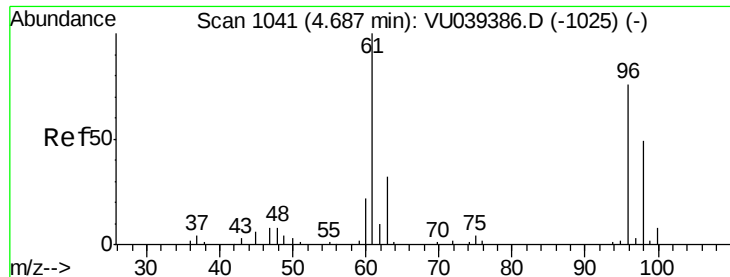
#18
trans-1,2-Dichloroethene
Concen: 0.764 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039402.D
Acq: 09 Jul 2020 17:57

Tgt Ion: 96 Resp: 4797
Ion Ratio Lower Upper
96 100
61 159.7 102.1 189.5
98 66.0 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 8.030 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039402.D

Acq: 09 Jul 2020 17:57

Instrument :

MSVOA_U

ClientSampleId :

H4283DL

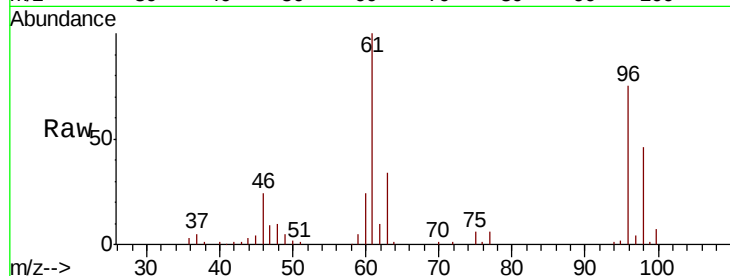
Tot Ion: 96 Resp: 56504

Ion Ratio Lower Upper

96 100

61 133.6 92.8 172.4

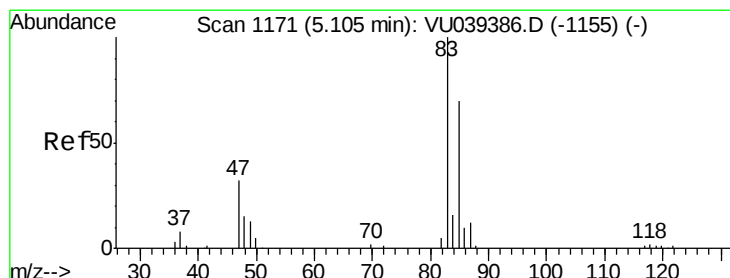
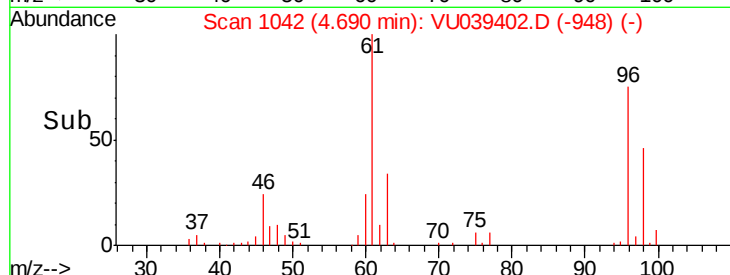
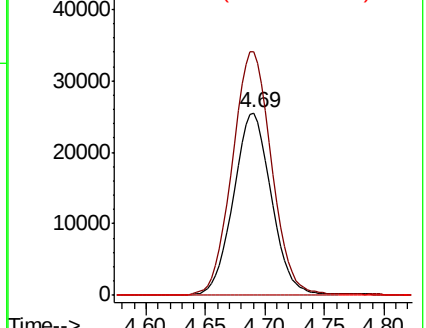
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039402.D (-1048) (-)

Ion 61.05 (60.75 to 61.75): VU039402.D (-1048) (-)

Ion 68.15 (67.85 to 68.85): VU039402.D (-1048) (-)



#25

Chloroform

Concen: 0.280 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU039402.D

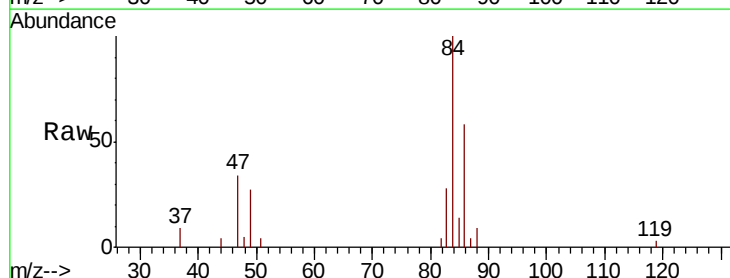
Acq: 09 Jul 2020 17:57

Tgt Ion: 83 Resp: 3470

Ion Ratio Lower Upper

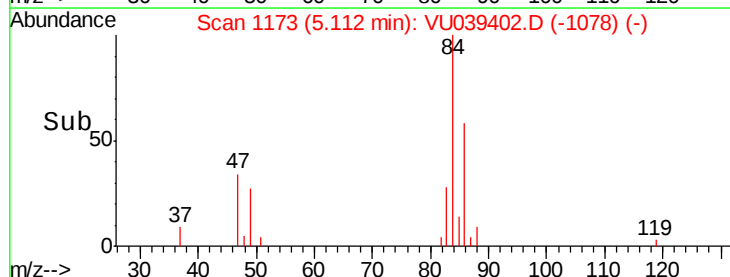
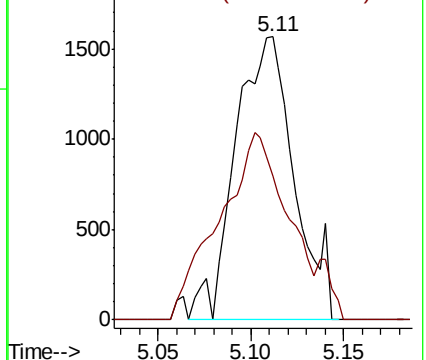
83 100

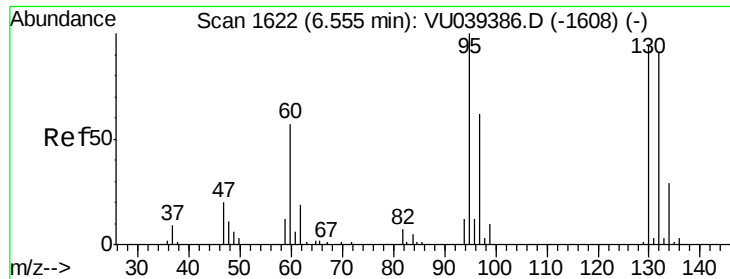
85 50.8 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039402.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU039402.D (-1078) (-)





#34

Trichloroethene

Concen: 4.557 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039402.D

Acq: 09 Jul 2020 17:57

Instrument :

MSVOA_U

ClientSampled :

H4283DL

Tot Ion: 95 Resp: 31124

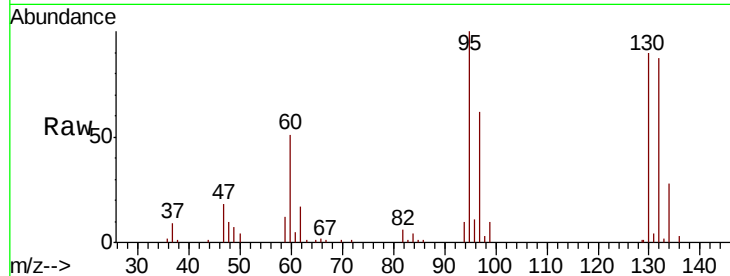
Ion Ratio Lower Upper

95 100

97 62.0 46.3 85.9

132 87.0 64.0 118.8

130 90.1 64.3 119.5



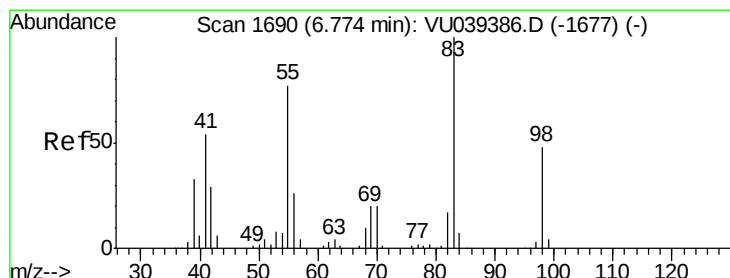
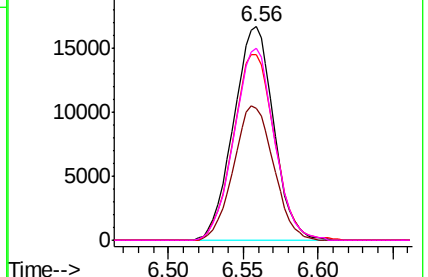
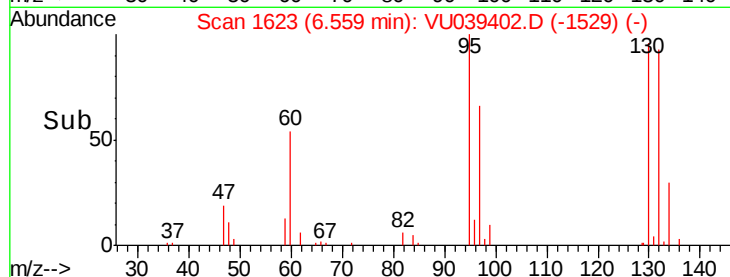
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#35

Methylcyclohexane

Concen: 0.890 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039402.D

Acq: 09 Jul 2020 17:57

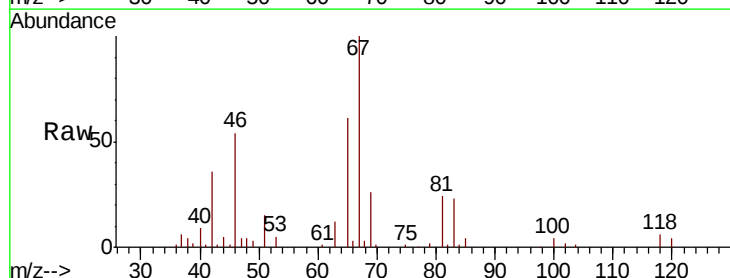
Tgt Ion: 83 Resp: 9738

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

98 0.0 35.9 53.9#

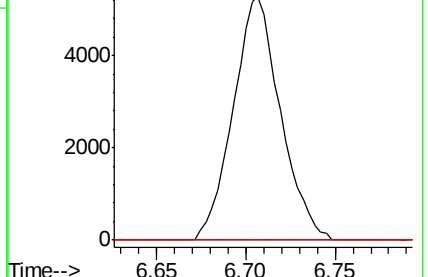
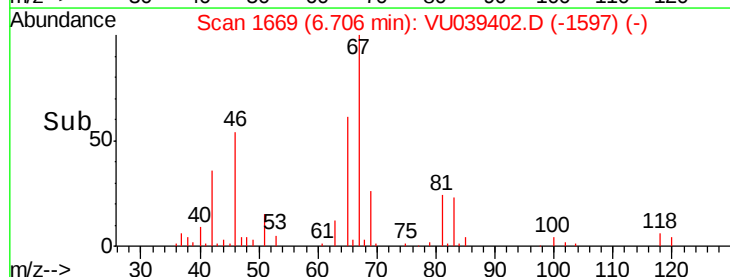


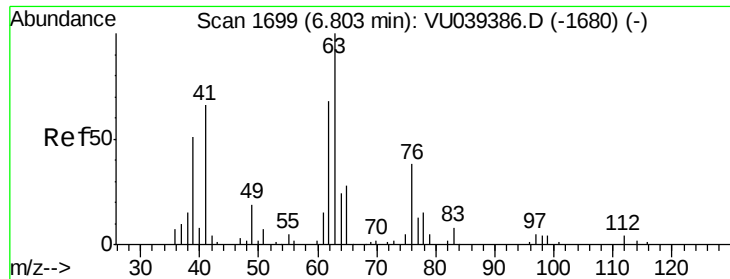
Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

Time-->

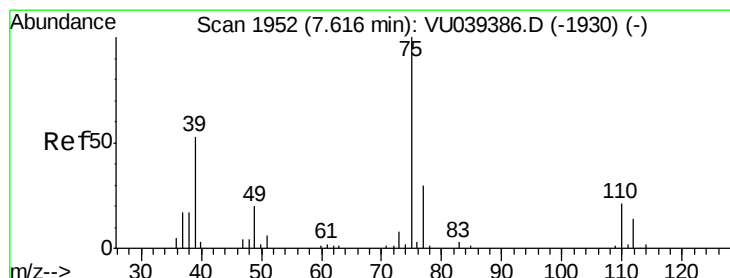
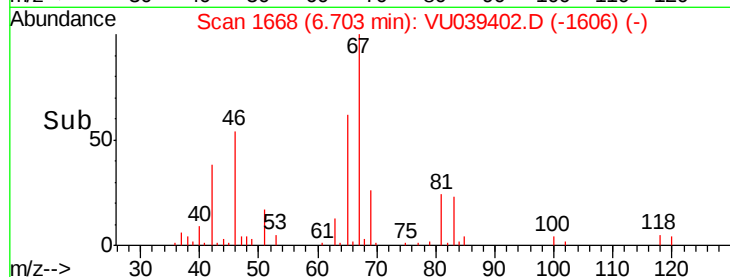
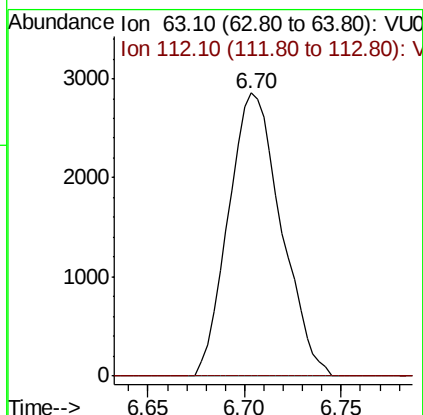
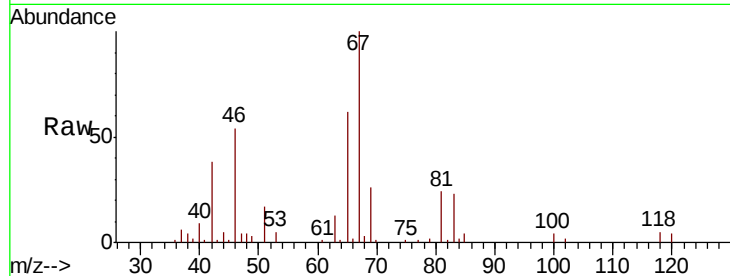




#37
 1,2-Dichloropropane
 Concen: 0.751 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039402.D
 Acq: 09 Jul 2020 17:57

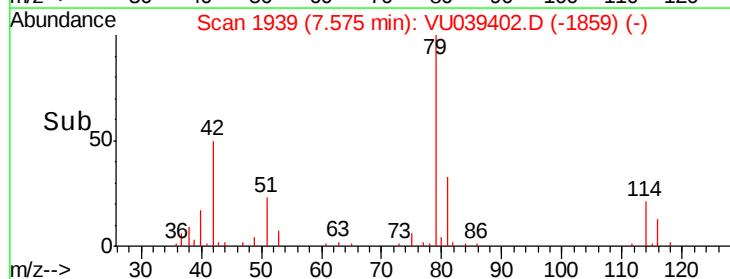
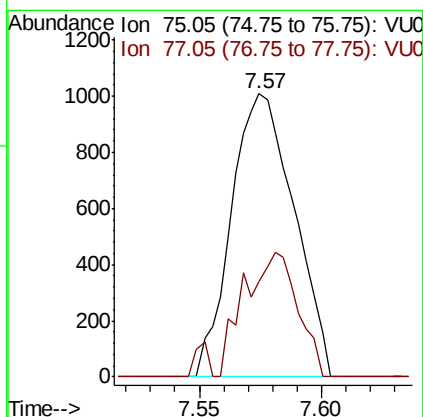
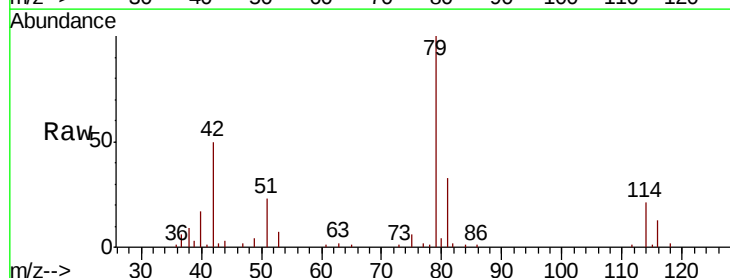
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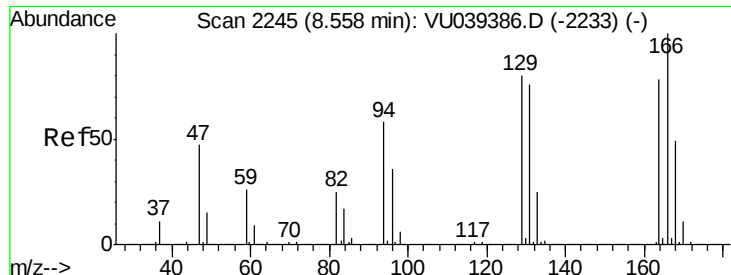
Tot Ion: 63 Resp: 5412
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.165 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039402.D
 Acq: 09 Jul 2020 17:57

Tgt Ion: 75 Resp: 1796
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.3 41.3





#47

Tetrachloroethene

Concen: 0.132 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039402.D

Acq: 09 Jul 2020 17:57

Instrument :

MSVOA_U

ClientSampleId :

H4283DL

Tot Ion:164 Resp: 627

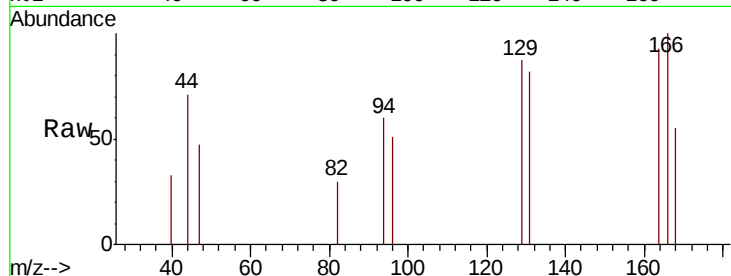
Ion Ratio Lower Upper

164 100

129 94.2 68.6 127.4

131 87.8 66.4 123.4

166 107.7 85.9 159.5

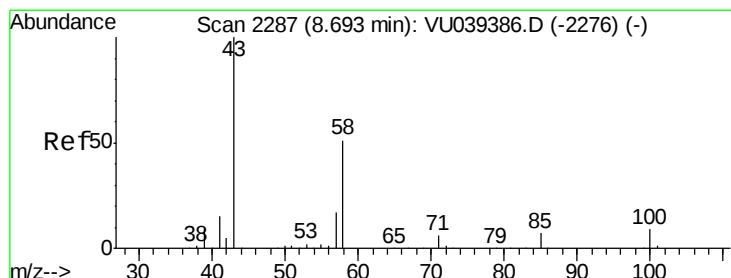
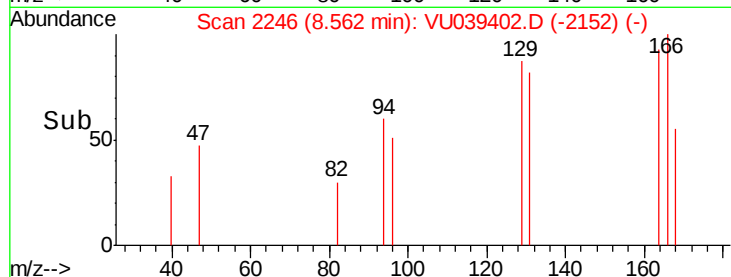
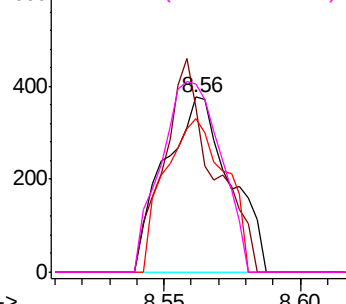


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.022 ug/L

RT: 8.70 min Scan# 2289

Delta R.T. 0.01 min

Lab File: VU039402.D

Acq: 09 Jul 2020 17:57

Tgt Ion: 43 Resp: 4527

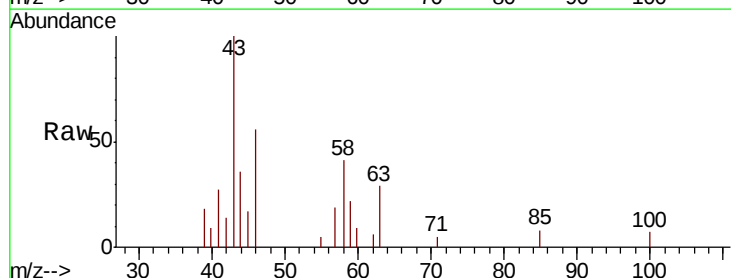
Ion Ratio Lower Upper

43 100

58 50.2 42.0 63.0

57 20.1 14.0 21.0

100 4.7 8.2 12.2#

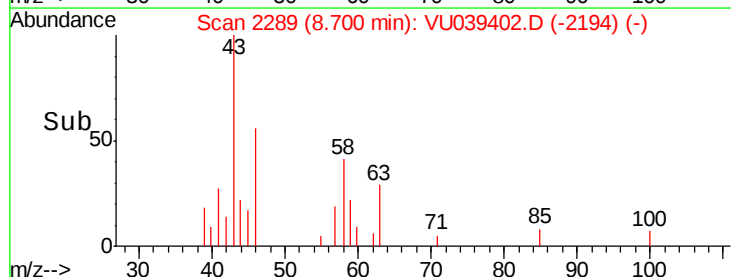
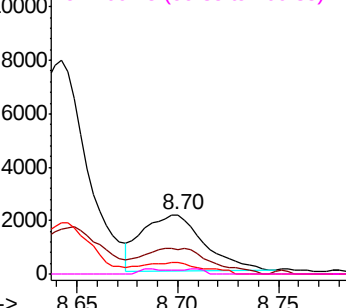


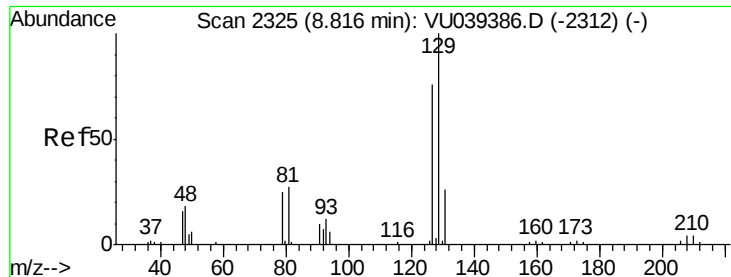
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

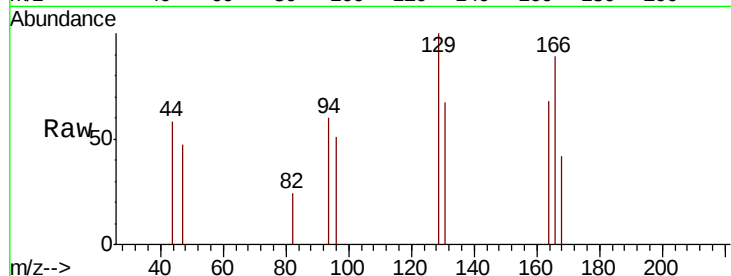




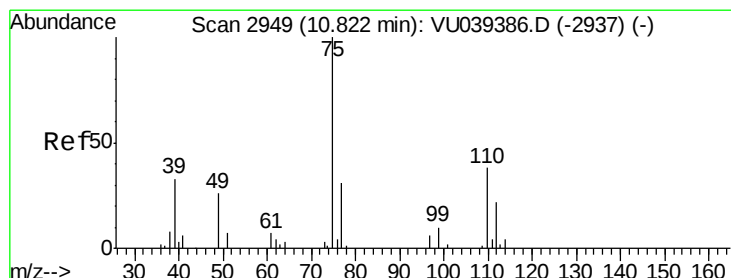
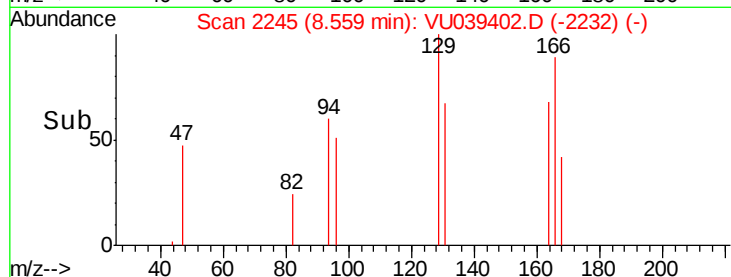
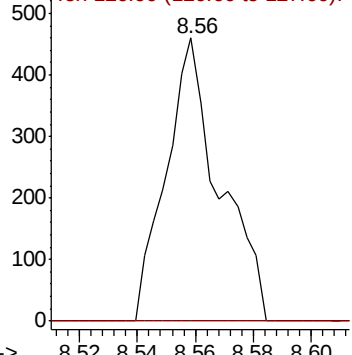
#49
 Dibromochloromethane
 Concen: 0.094 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.26 min
 Lab File: VU039402.D
 Acq: 09 Jul 2020 17:57

Instrument :
 MSVOA_U
 ClientSampleId :
 H4283DL

Tot Ion:129 Resp: 588
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.4 102.8#

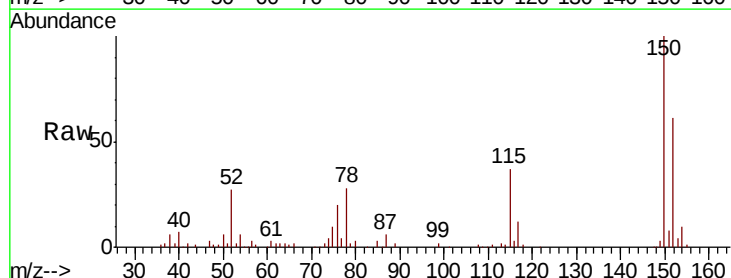


Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V



#59
 1,2,3-Trichloropropane
 Concen: 1.264 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU039402.D
 Acq: 09 Jul 2020 17:57

Tgt Ion: 75 Resp: 6709
 Ion Ratio Lower Upper
 75 100
 77 39.5 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

