

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063020\
 Data File : VU039252.D
 Acq On : 01 Jul 2020 01:58
 Operator : SY/MD
 Sample : L3121-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 01 02:30:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 02:28:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	200323	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	197906	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	85615	5.00	ug/L	0.00

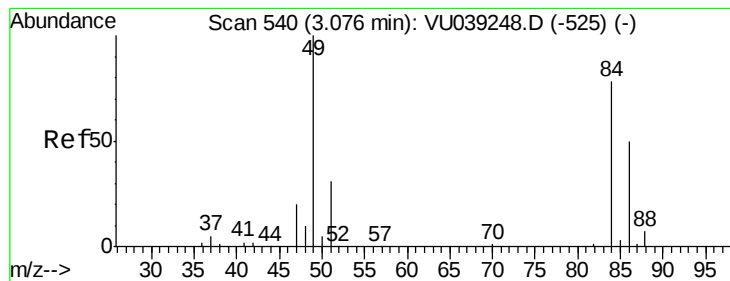
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	61648	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.93	69	67662	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.59	63	93250	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.67	46	187119	33.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	66.82%
24) Chloroform-d	5.10	84	122956	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.74	65	75514	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
32) Benzene-d6	5.76	84	234627	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.72	67	71844	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	7.92	98	184669	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.20	79	31201	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.65	63	139831	35.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.10%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	64179	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	70360	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.08	84	9937	0.511	ug/L	95
17) Methyl tert-butyl Ether	3.39	73	6698	0.175	ug/L #	86
34) Trichloroethene	6.57	95	14945	0.979	ug/L	91
35) Methylcyclohexane	6.72	83	18406	0.807	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	8957	0.571	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	2462	0.110	ug/L #	53
47) Tetrachloroethene	8.57	164	78534	7.335	ug/L	97
48) 2-Hexanone	8.70	43	13651	1.503	ug/L #	92
49) Dibromochloromethane	8.57	129	74647	5.686	ug/L #	9
59) 1,2,3-Trichloropropane	11.82	75	10495	0.864	ug/L	92

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



#16

Methylene chloride

Concen: 0.511 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU039252.D

Acq: 01 Jul 2020 01:58

Instrument :

MSVOA_U

ClientSampled :

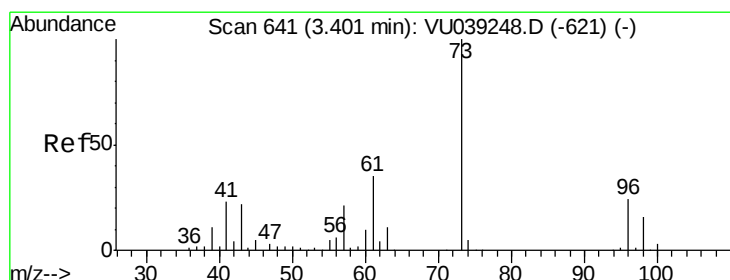
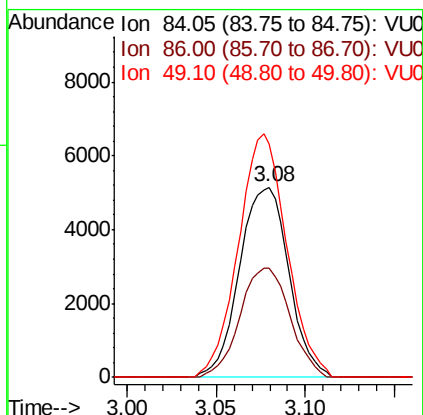
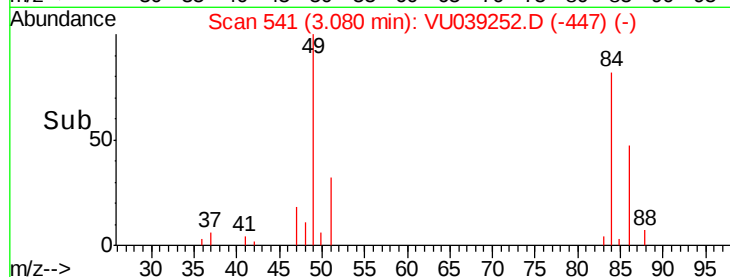
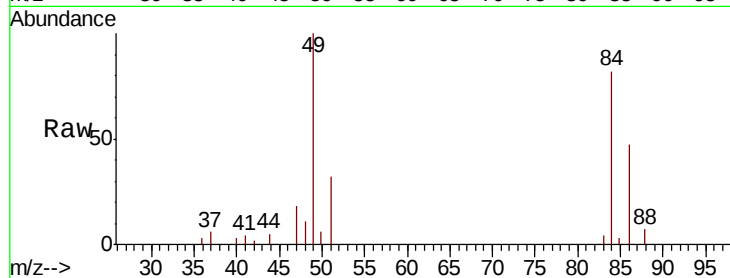
Tot Ion: 84 Resp: 9937

Ion Ratio Lower Upper

84 100

86 57.2 44.9 83.5

49 122.5 88.4 164.2



#17

Methyl tert-butyl Ether

Concen: 0.175 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.01 min

Lab File: VU039252.D

Acq: 01 Jul 2020 01:58

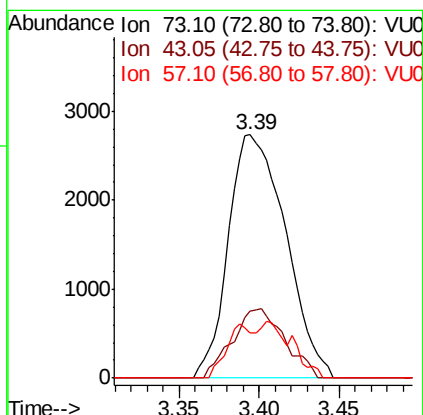
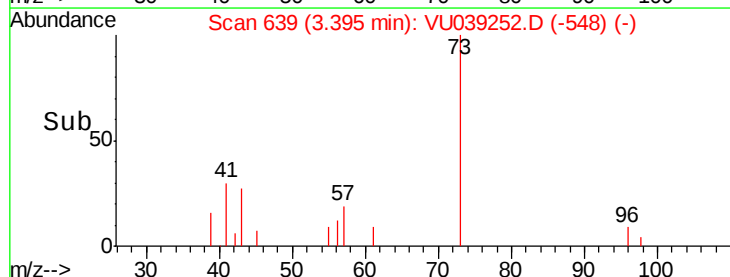
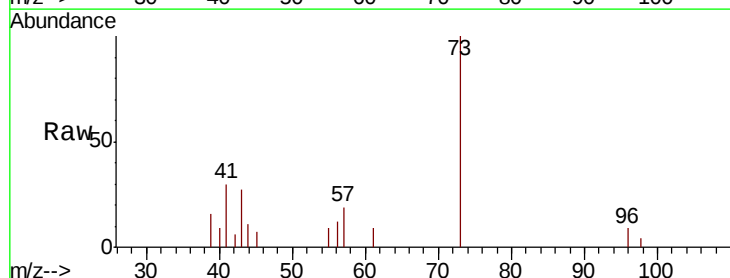
Tgt Ion: 73 Resp: 6698

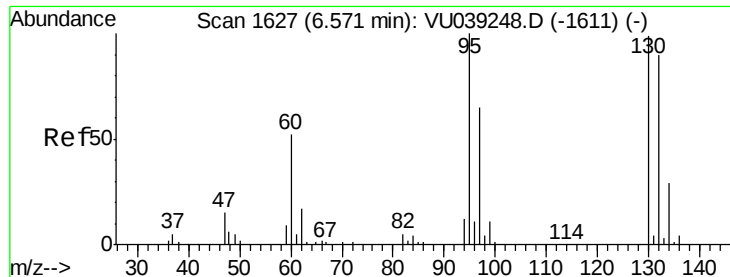
Ion Ratio Lower Upper

73 100

43 26.0 17.4 26.0

57 13.1 17.6 26.4#

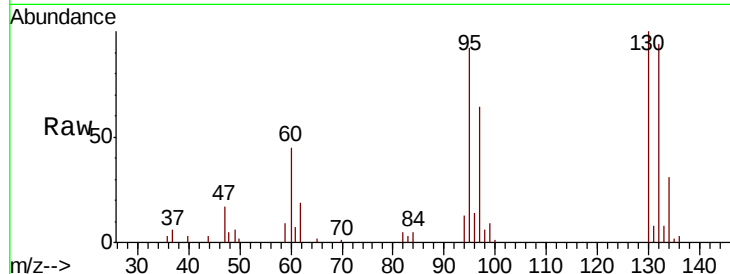




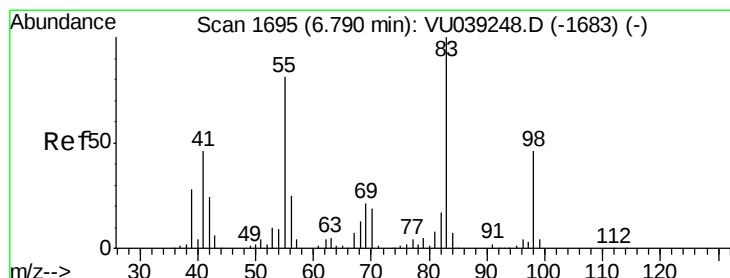
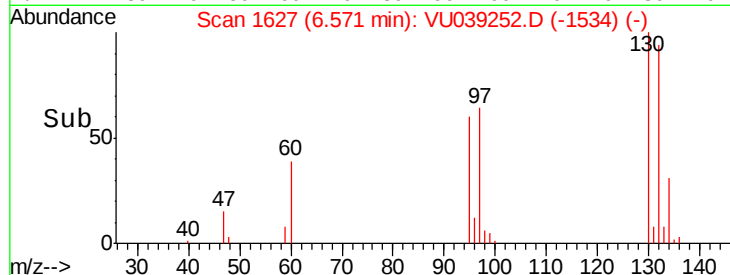
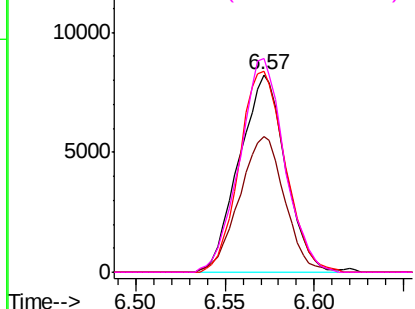
#34
 Trichloroethene
 Concen: 0.979 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039252.D
 Acq: 01 Jul 2020 01:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 14945
 Ion Ratio Lower Upper
 95 100
 97 69.0 44.0 81.8
 132 101.6 64.9 120.5
 130 108.2 68.7 127.5

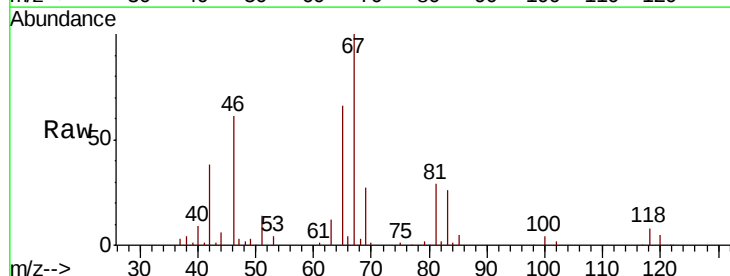


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

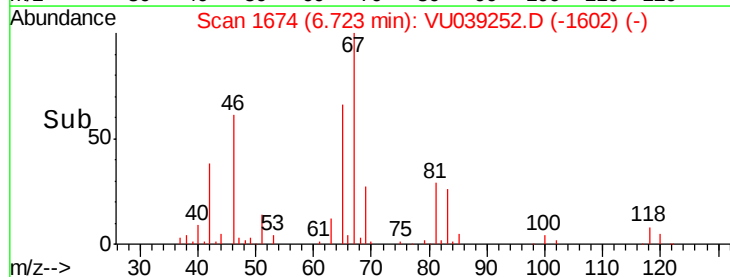
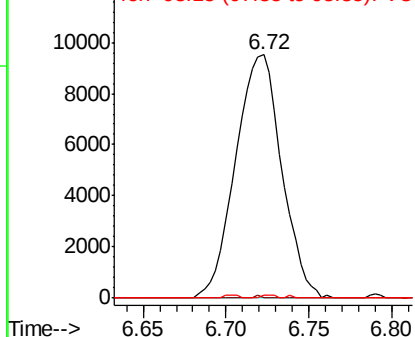


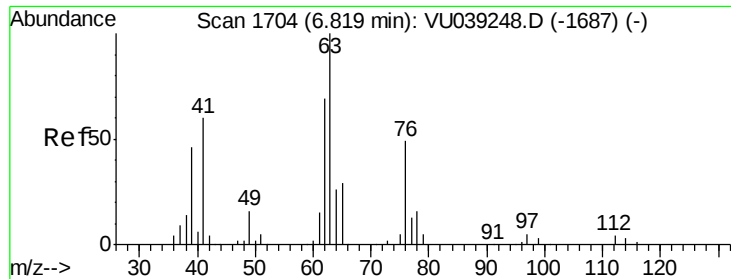
#35
 Methylcyclohexane
 Concen: 0.807 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU039252.D
 Acq: 01 Jul 2020 01:58

Tgt Ion: 83 Resp: 18406
 Ion Ratio Lower Upper
 83 100
 55 0.1 64.4 96.6#
 98 0.4 37.9 56.9#



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

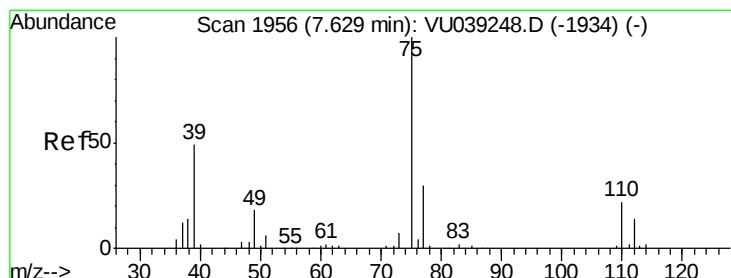
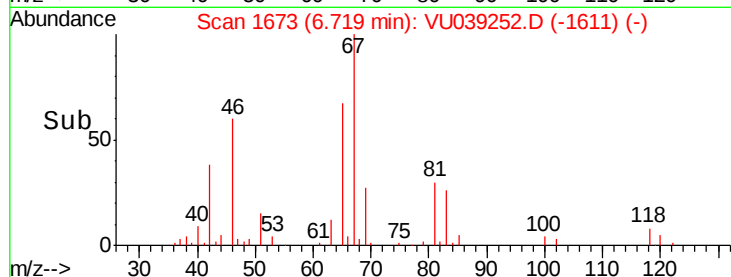
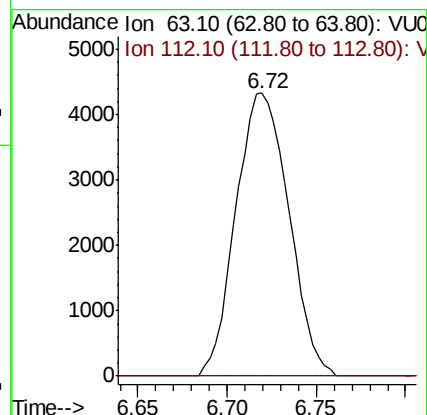
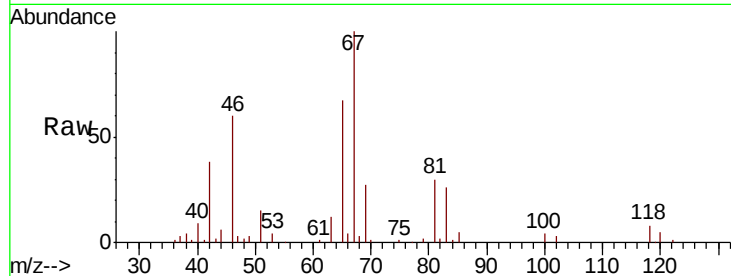




#37
 1,2-Dichloropropane
 Concen: 0.571 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU039252.D
 Acq: 01 Jul 2020 01:58

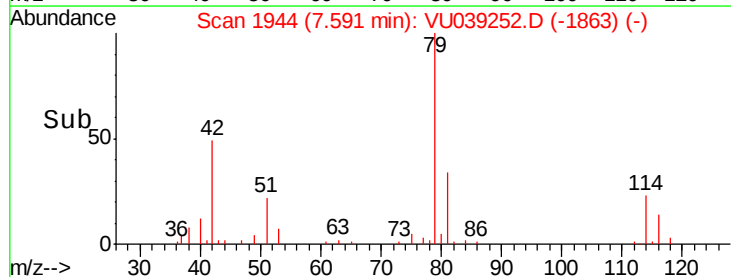
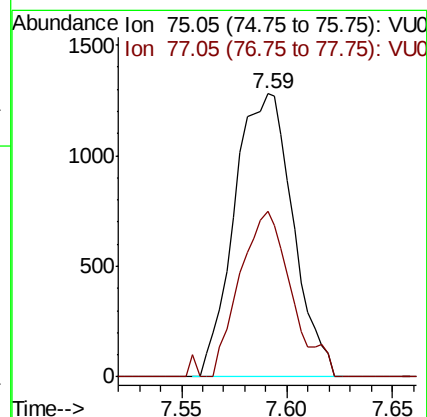
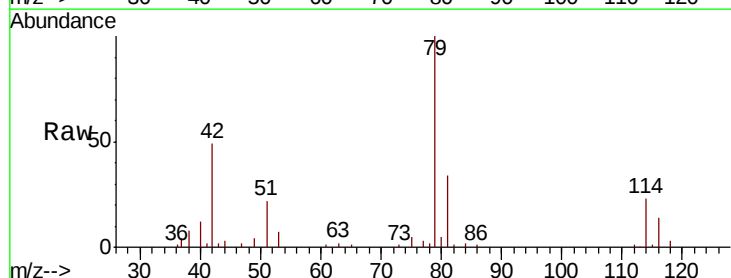
Instrument :
 MSVOA_U
 ClientSampleId :

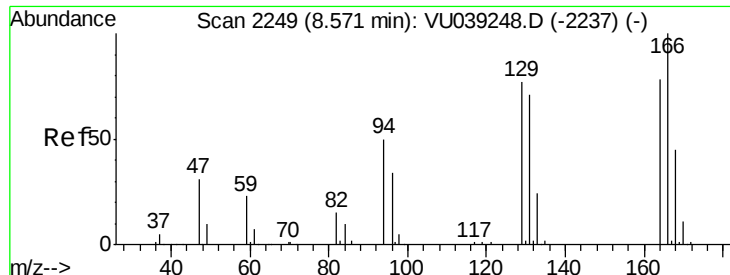
Tot Ion: 63 Resp: 8957
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU039252.D
 Acq: 01 Jul 2020 01:58

Tgt Ion: 75 Resp: 2462
 Ion Ratio Lower Upper
 75 100
 77 58.4 22.5 41.7#





#47

Tetrachloroethene

Concen: 7.335 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. 0.00 min

Lab File: VU039252.D

Acq: 01 Jul 2020 01:58

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 78534

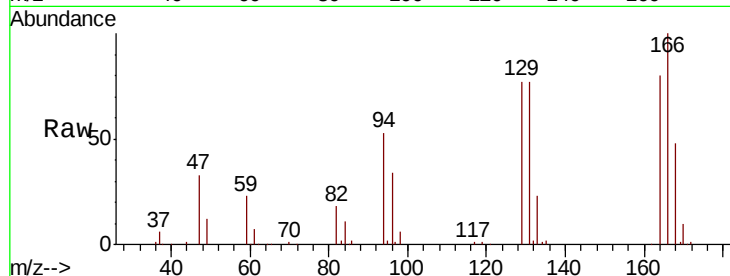
Ion Ratio Lower Upper

164 100

129 95.8 66.4 123.4

131 96.8 66.7 123.9

166 125.0 92.3 171.5

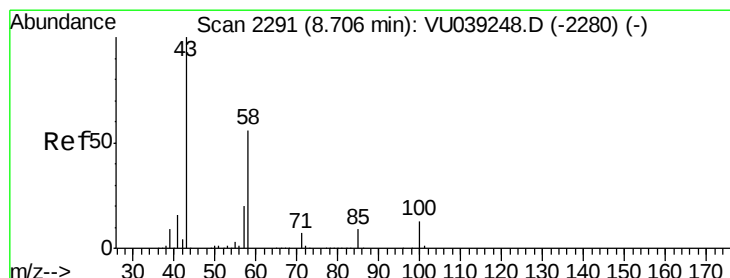
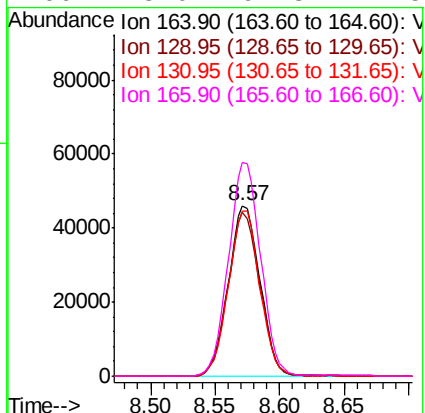
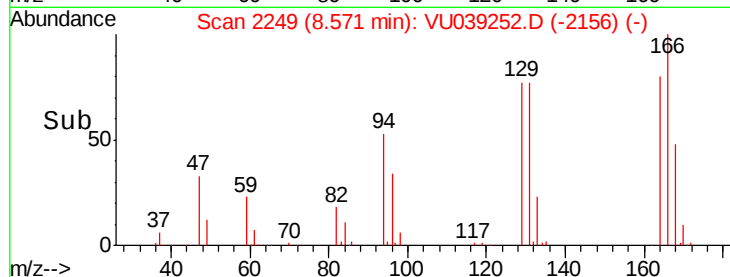


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.503 ug/L

RT: 8.70 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VU039252.D

Acq: 01 Jul 2020 01:58

Tgt Ion: 43 Resp: 13651

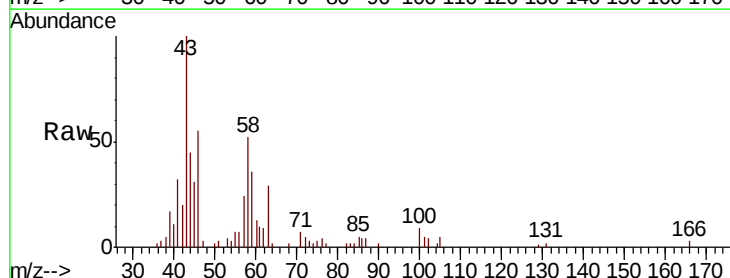
Ion Ratio Lower Upper

43 100

58 48.3 43.6 65.4

57 22.0 15.5 23.3

100 9.4 10.0 15.0#

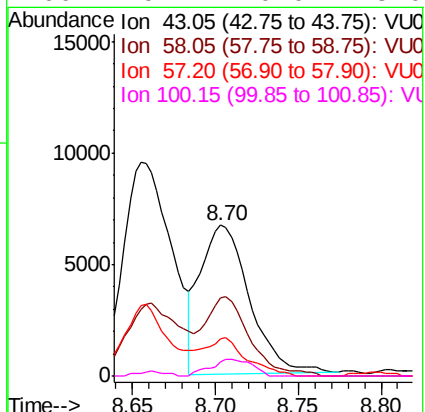
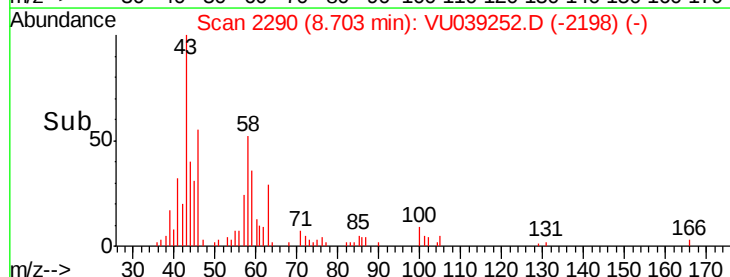


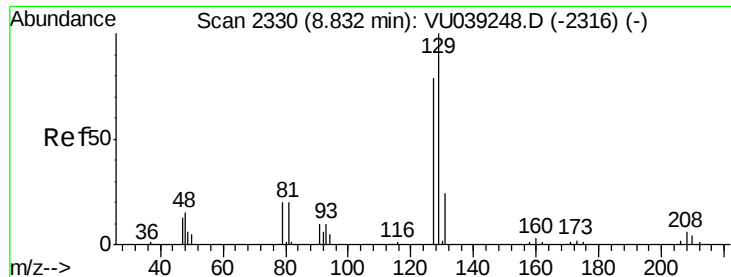
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.686 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU039252.D

Acq: 01 Jul 2020 01:58

Instrument :

MSVOA_U

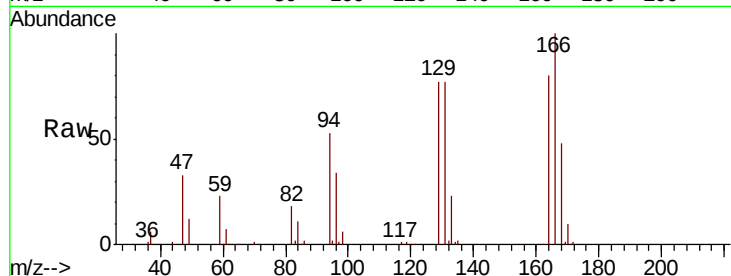
ClientSampleId :

Tot Ion:129 Resp: 74647

Ion Ratio Lower Upper

129 100

127 0.0 56.8 105.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

50000

40000

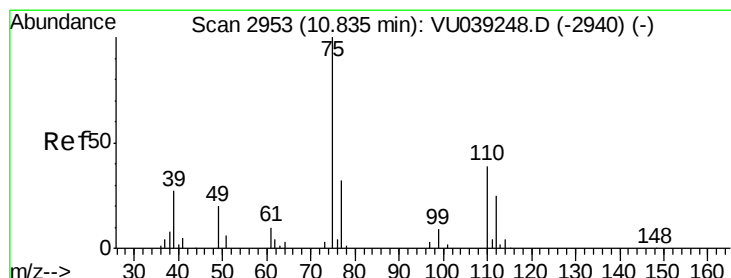
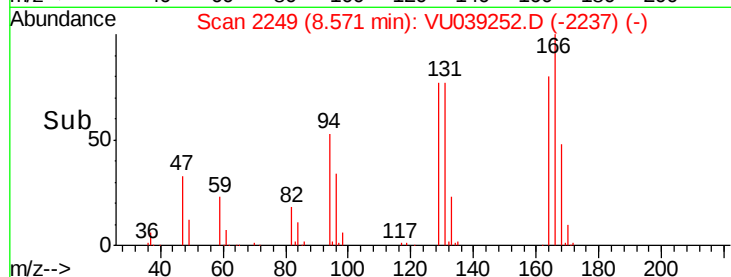
30000

20000

10000

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 0.864 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.99 min

Lab File: VU039252.D

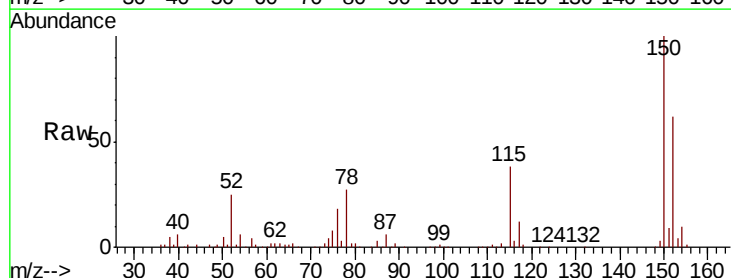
Acq: 01 Jul 2020 01:58

Tgt Ion: 75 Resp: 10495

Ion Ratio Lower Upper

75 100

77 35.2 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.82

8000

6000

4000

2000

0

Time--> 11.75 11.80 11.85

