

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\
 Data File : VU039750.D
 Acq On : 06 Aug 2020 12:25
 Operator : SY/MD
 Sample : L3572-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 07 03:24:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 07 03:23:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	77248	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	71678	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32457	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23154	5.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.00%
7) Chloroethane-d5	1.92	69	20758	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.57	63	31311	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.67	46	87507	47.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.40%
24) Chloroform-d	5.08	84	49287	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.72	65	28851	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.74	84	89777	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.70	67	31455	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.91	98	71039	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.19	79	10049	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.64	63	60157	49.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.30%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	27442	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	30588	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

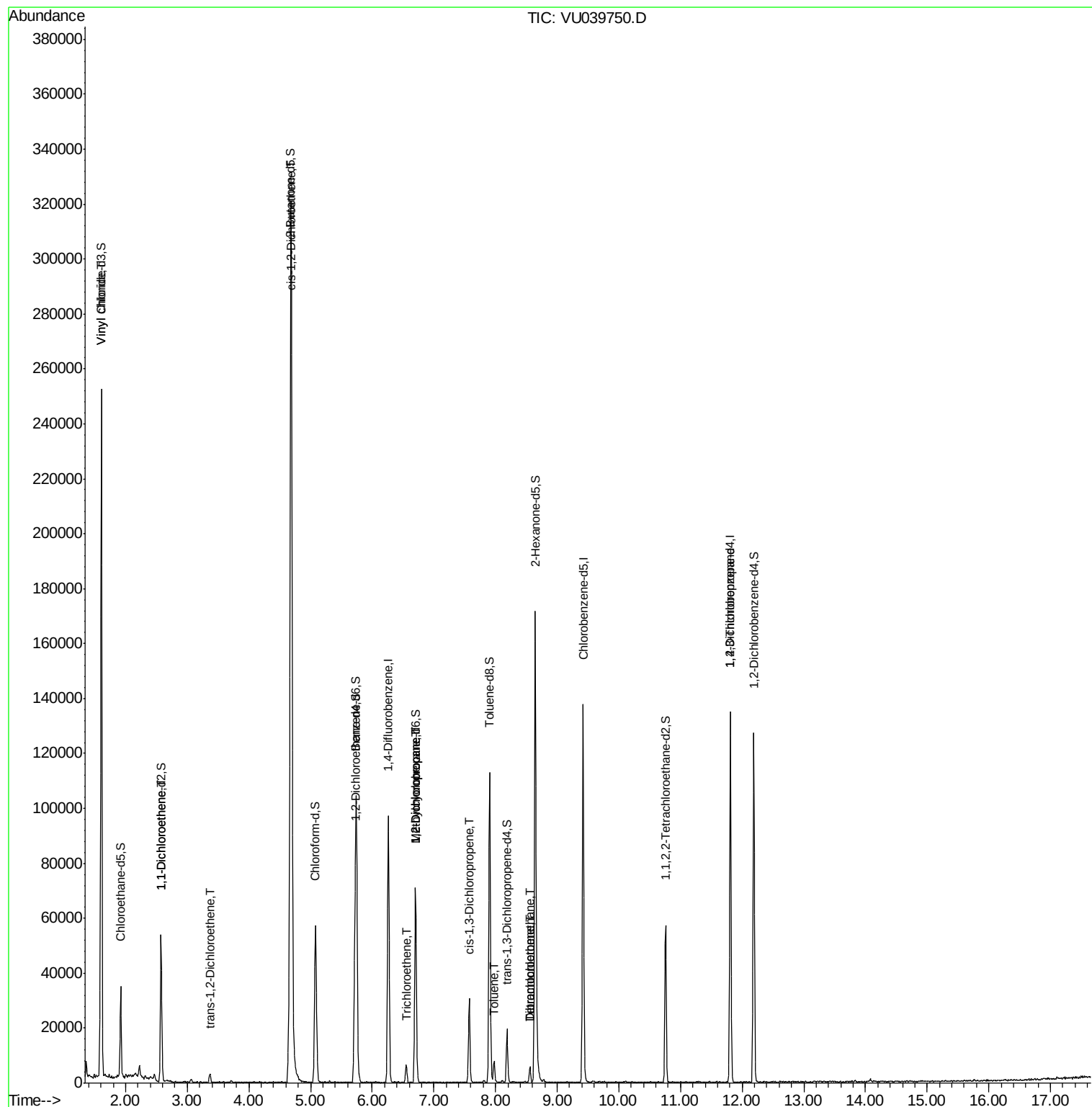
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	140761	22.411	ug/L	96
12) 1,1-Dichloroethene	2.58	96	367	0.080	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	1288	0.251	ug/L	86
22) cis-1,2-Dichloroethene	4.68	96	146986	26.342	ug/L	97
34) Trichloroethene	6.55	95	2021	0.398	ug/L	95
35) Methylcyclohexane	6.70	83	6860	0.847	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	3423	0.660	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	766	0.108	ug/L	87
42) Toluene	7.98	91	5619	0.274	ug/L	87
47) Tetrachloroethene	8.56	164	1048	0.250	ug/L #	75
49) Dibromochloromethane	8.56	129	1036	0.216	ug/L #	12
59) 1,2,3-Trichloropropane	11.81	75	4939	1.320	ug/L #	87

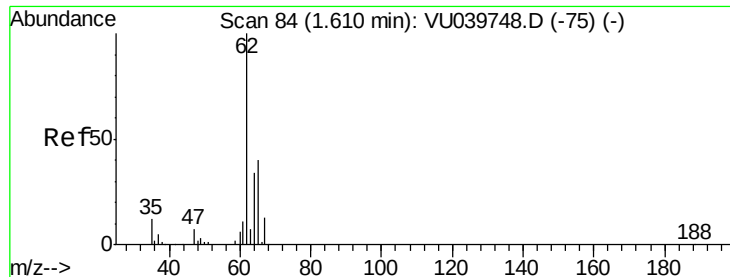
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 22.411 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:25

Instrument :

MSVOA_U

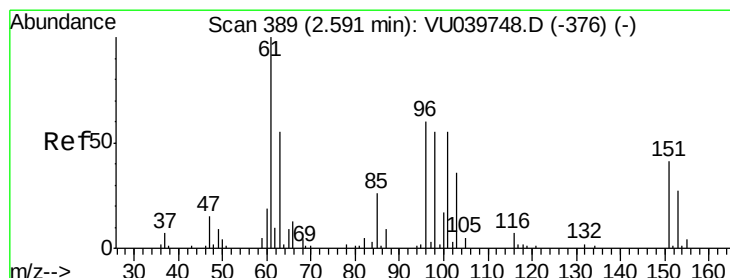
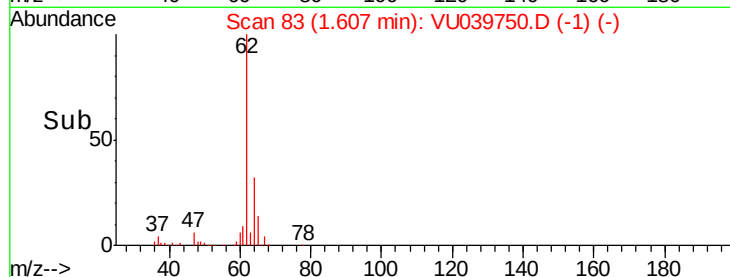
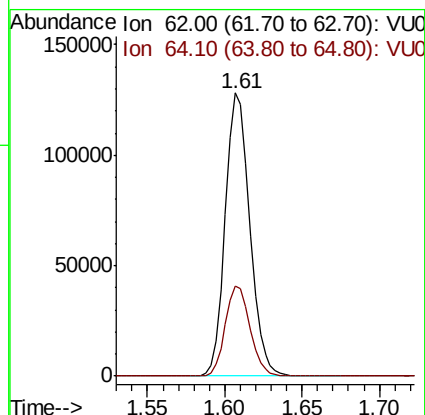
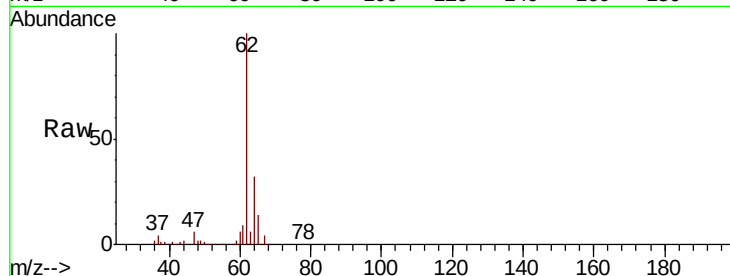
ClientSampled :

Tot Ion: 62 Resp: 140761

Ion Ratio Lower Upper

62 100

64 31.9 24.1 44.7



#12

1,1-Dichloroethene

Concen: 0.080 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:25

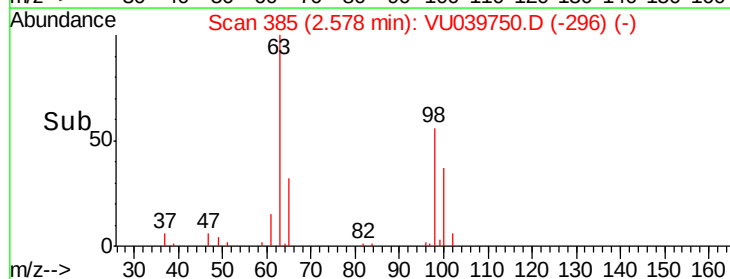
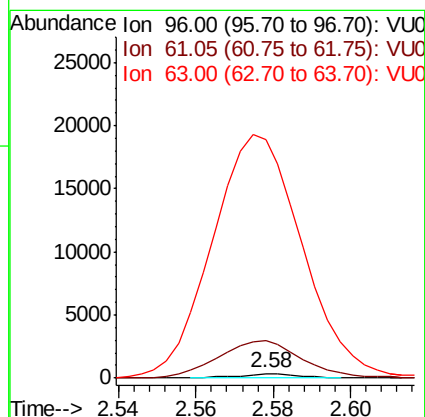
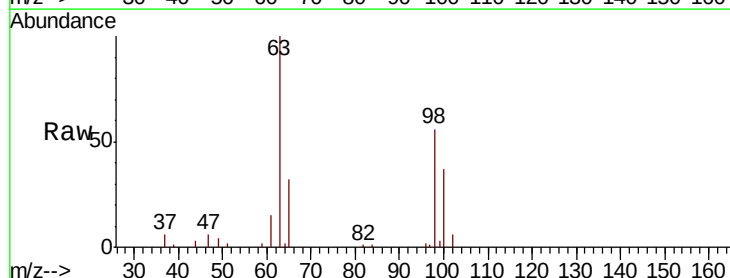
Tgt Ion: 96 Resp: 367

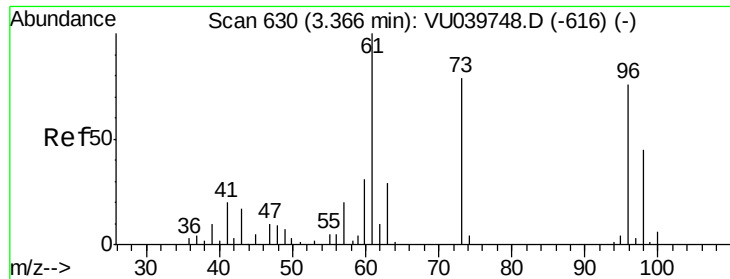
Ion Ratio Lower Upper

96 100

61 863.2 121.7 225.9#

63 5569.4 82.1 152.5#

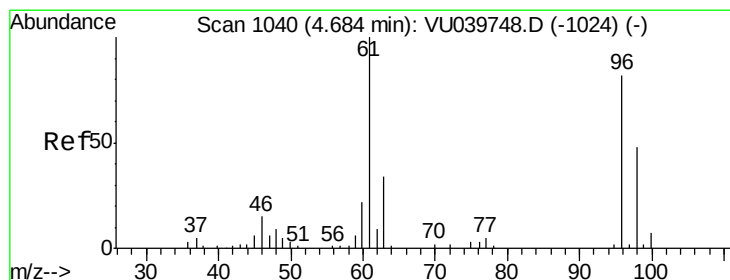
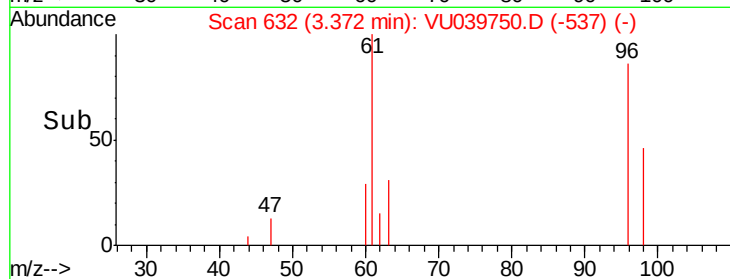
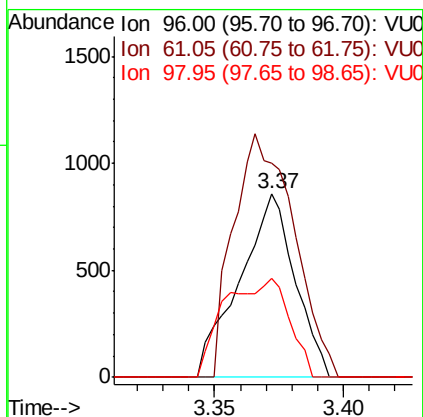
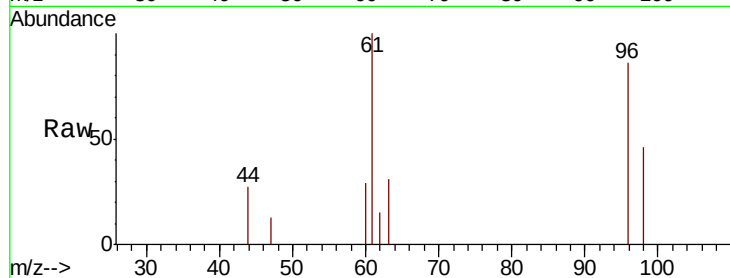




#18
 trans-1,2-Dichloroethene
 Concen: 0.251 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VU039750.D
 Acq: 06 Aug 2020 12:25

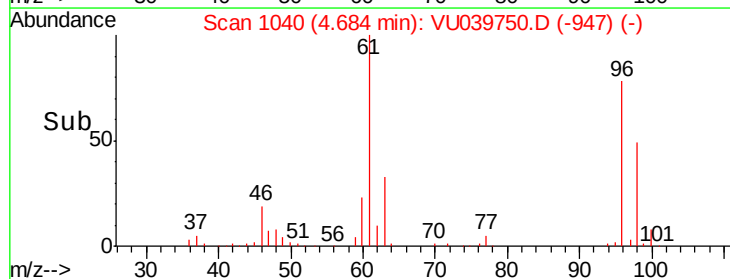
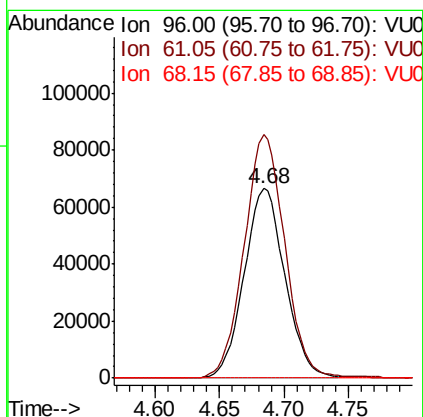
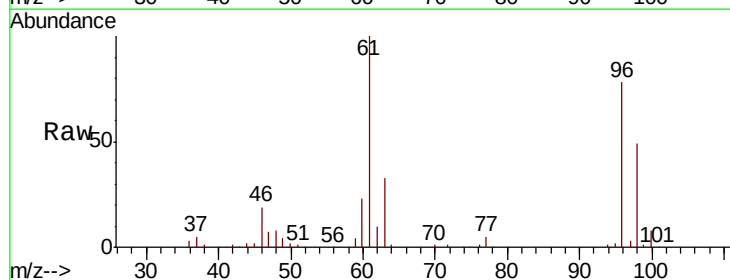
Instrument :
 MSVOA_U
 ClientSampled :

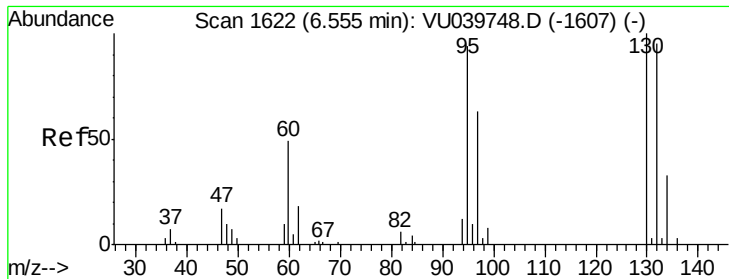
Tot Ion: 96 Resp: 1288
 Ion Ratio Lower Upper
 96 100
 61 116.6 96.5 179.1
 98 54.0 40.9 76.0



#22
 cis-1,2-Dichloroethene
 Concen: 26.342 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039750.D
 Acq: 06 Aug 2020 12:25

Tgt Ion: 96 Resp: 146986
 Ion Ratio Lower Upper
 96 100
 61 128.6 87.4 162.2
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 0.398 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:25

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 2021

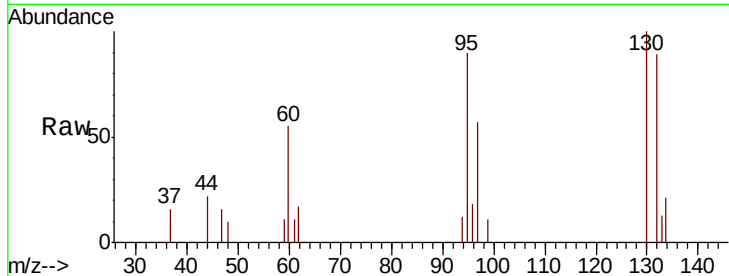
Ion Ratio Lower Upper

95 100

97 63.2 44.0 81.8

132 99.7 71.7 133.3

130 111.5 71.1 132.1

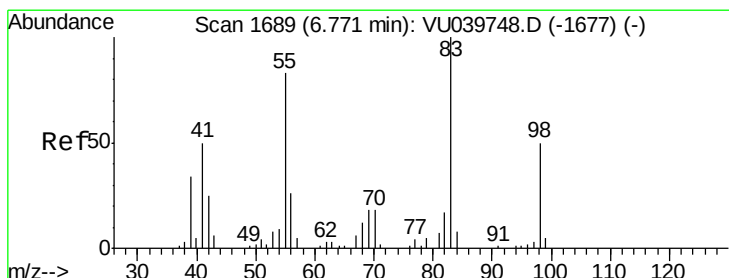
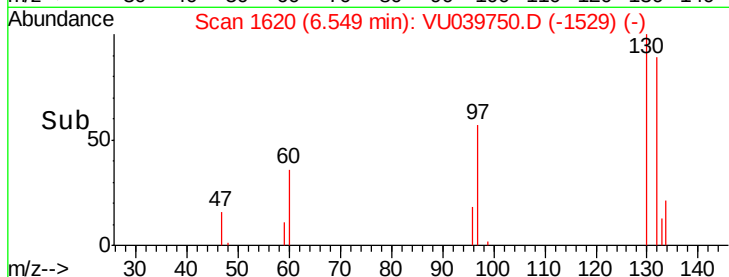
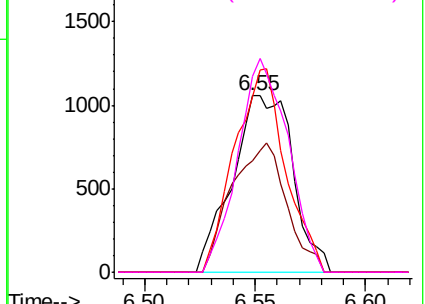


Abundance Ion 95.00 (94.70 to 95.70): VU039748.D (-1607) (-)

Ion 96.95 (96.65 to 97.65): VU039748.D (-1607) (-)

Ion 131.95 (131.65 to 132.65): VU039748.D (-1607) (-)

Ion 129.95 (129.65 to 130.65): VU039748.D (-1607) (-)



#35

Methylcyclohexane

Concen: 0.847 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:25

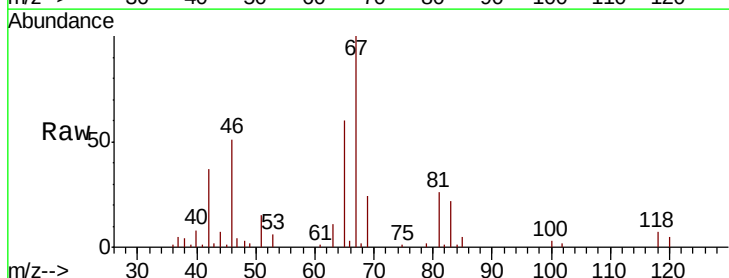
Tgt Ion: 83 Resp: 6860

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.0#

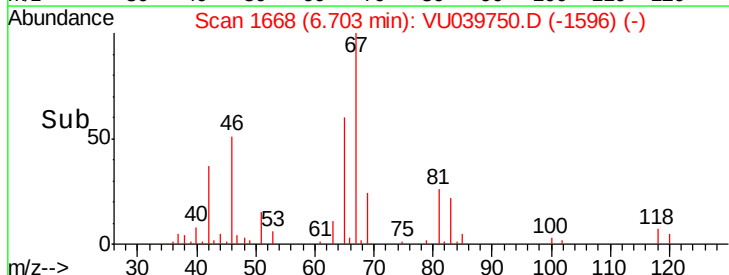
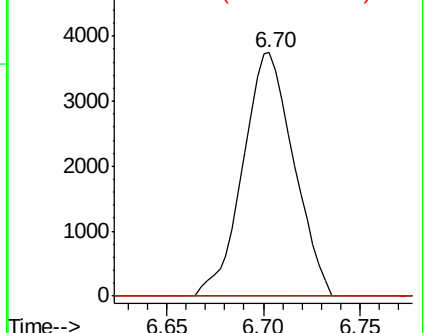
98 0.6 39.0 58.4#

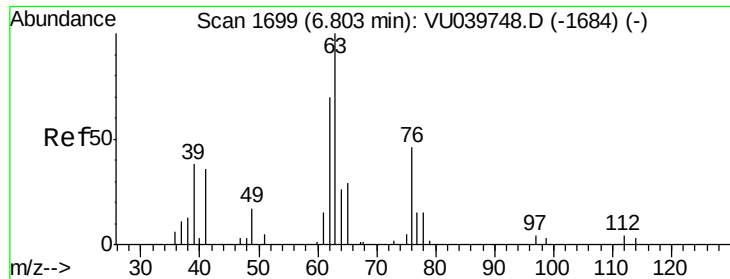


Abundance Ion 83.15 (82.85 to 83.85): VU039748.D (-1677) (-)

Ion 55.10 (54.80 to 55.80): VU039748.D (-1677) (-)

Ion 98.15 (97.85 to 98.85): VU039748.D (-1677) (-)

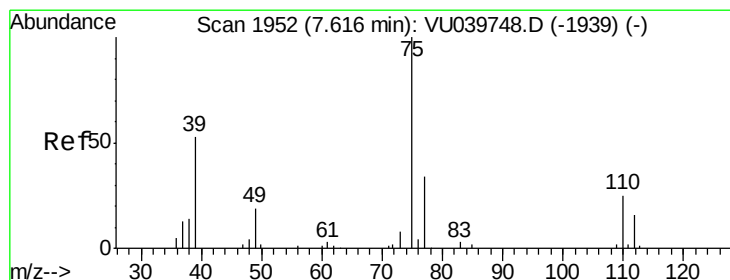
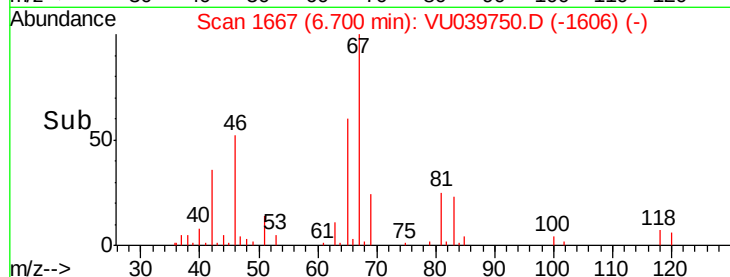
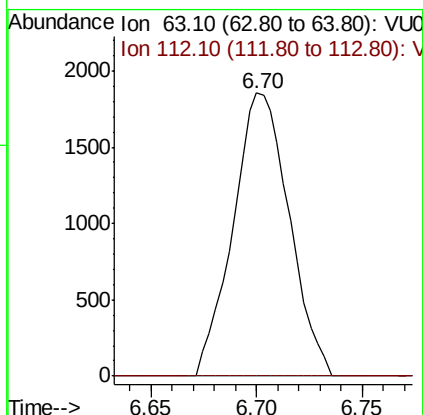
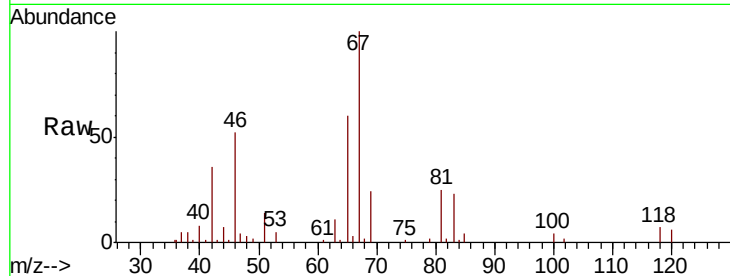




#37
 1,2-Dichloropropane
 Concen: 0.660 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU039750.D
 Acq: 06 Aug 2020 12:25

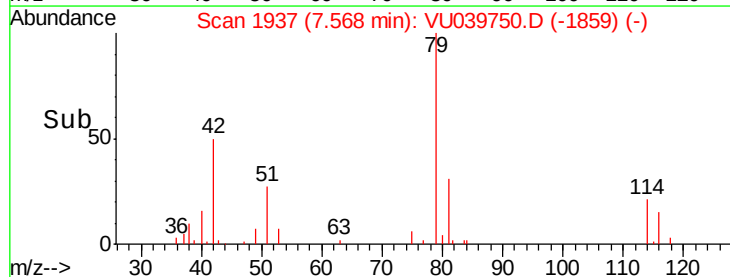
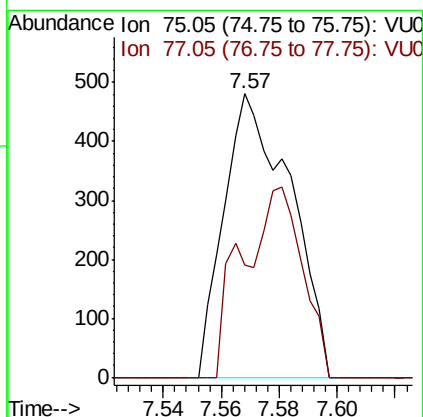
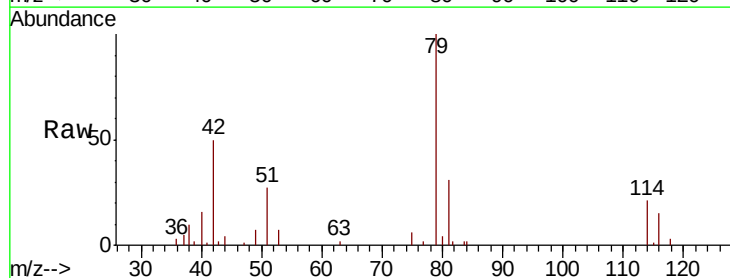
Instrument :
 MSVOA_U
 ClientSampleId :

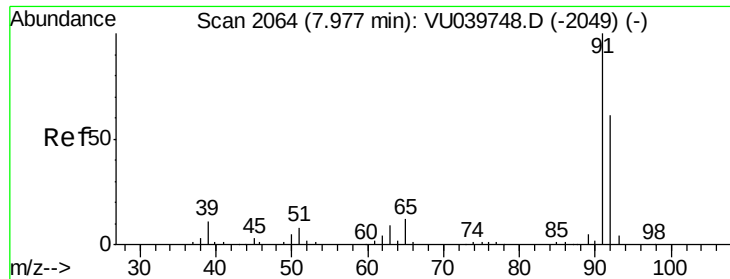
Tot Ion: 63 Resp: 3423
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU039750.D
 Acq: 06 Aug 2020 12:25

Tgt Ion: 75 Resp: 766
 Ion Ratio Lower Upper
 75 100
 77 39.5 22.4 41.6





#42

Toluene

Concen: 0.274 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:25

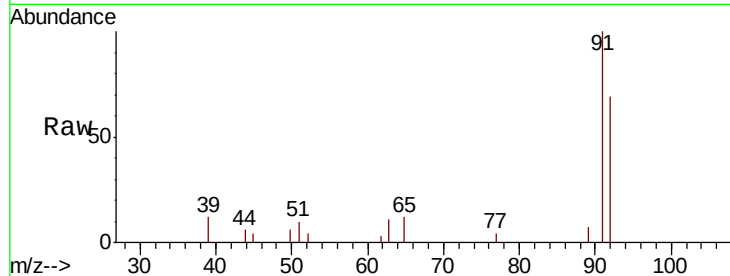
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 5619

Ion Ratio Lower Upper

91 100

92 68.9 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039748.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039748.D (-2049) (-)

7.98

3000

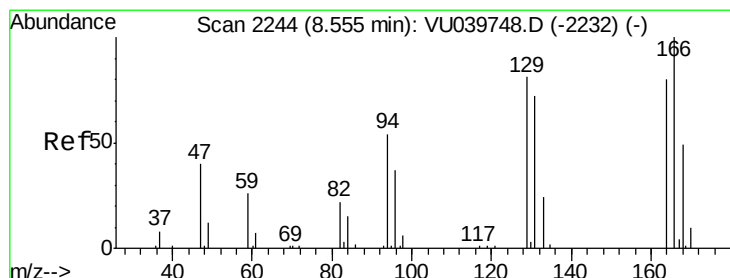
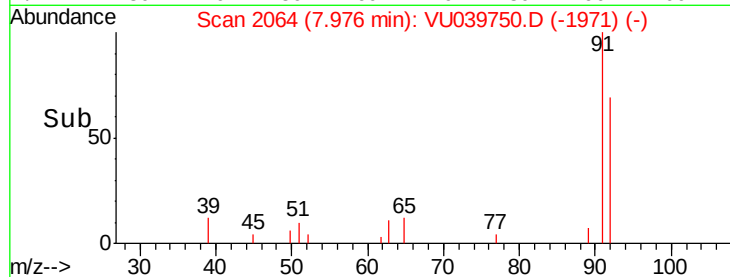
2000

1000

0

7.95 8.00

Time-->



#47

Tetrachloroethene

Concen: 0.250 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:25

Tgt Ion: 164 Resp: 1048

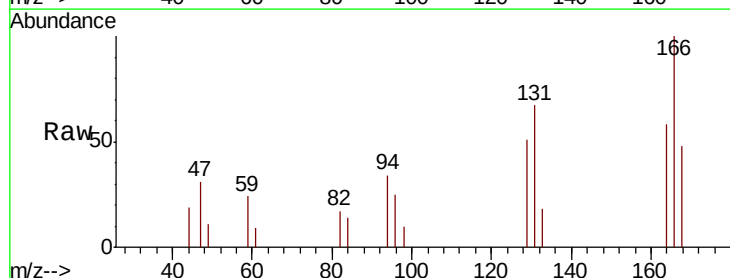
Ion Ratio Lower Upper

164 100

129 87.5 65.9 122.5

131 113.9 68.1 126.5

166 171.0 84.5 156.9#



Abundance Ion 163.90 (163.60 to 164.60): VU039748.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU039748.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU039748.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU039748.D (-2232) (-)

1500

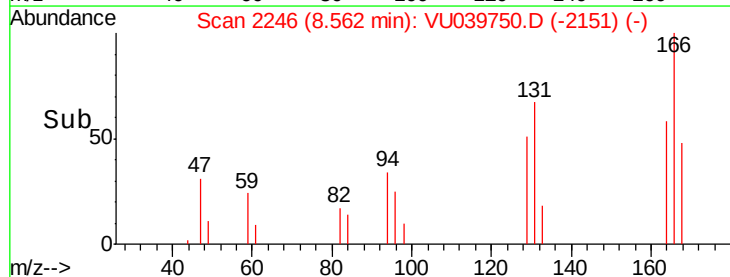
1000

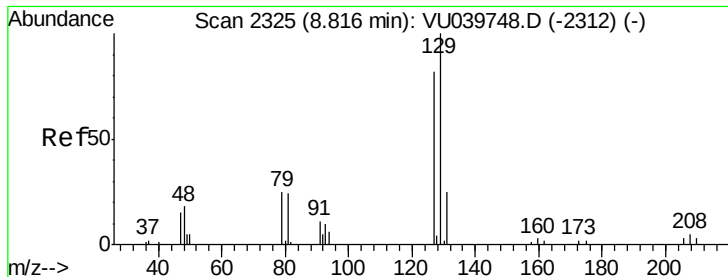
500

0

8.55 8.60

Time-->





#49

Dibromochloromethane

Concen: 0.216 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039750.D

Acq: 06 Aug 2020 12:25

Instrument :

MSVOA_U

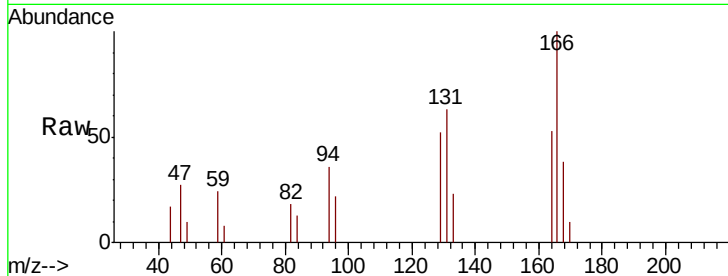
ClientSampleId :

Tot Ion:129 Resp: 1036

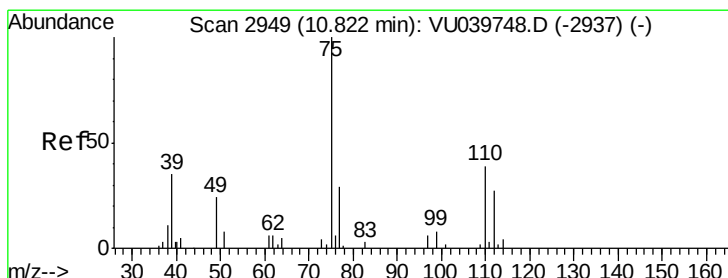
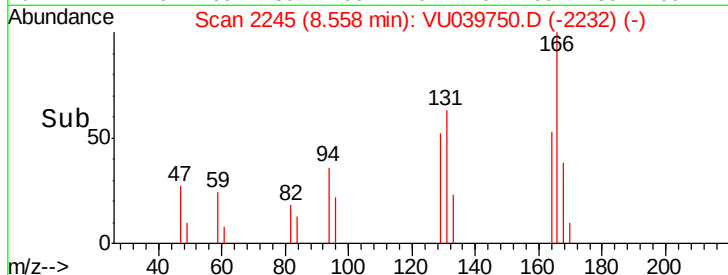
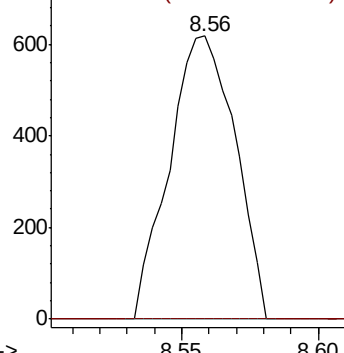
Ion Ratio Lower Upper

129 100

127 0.0 53.0 98.4#



Abundance Ion 128.95 (128.65 to 129.65): V



#59

1,2,3-Trichloropropane

Concen: 1.320 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039750.D

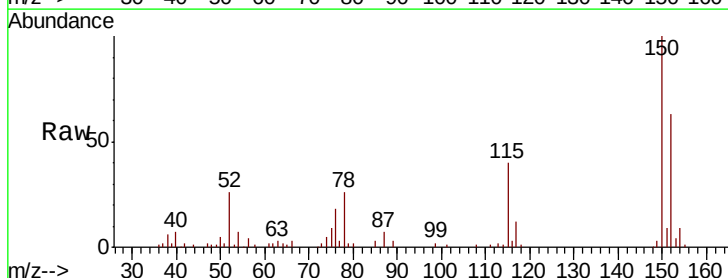
Acq: 06 Aug 2020 12:25

Tgt Ion: 75 Resp: 4939

Ion Ratio Lower Upper

75 100

77 37.8 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

