

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080720\
 Data File : VU039787.D
 Acq On : 07 Aug 2020 15:18
 Operator : SY/MD
 Sample : L3572-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 03:33:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 08 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	70054	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68104	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30693	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15493	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.92	69	17149	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.58	63	22029	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	4.66	46	89894	54.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.06%
24) Chloroform-d	5.08	84	43900	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.72	65	25837	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.75	84	72695	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.71	67	26914	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.91	98	54853	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.20%
43) trans-1,3-Dichloropropene-	8.19	79	9402	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.64	63	62791	54.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.08%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	25601	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	27369	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

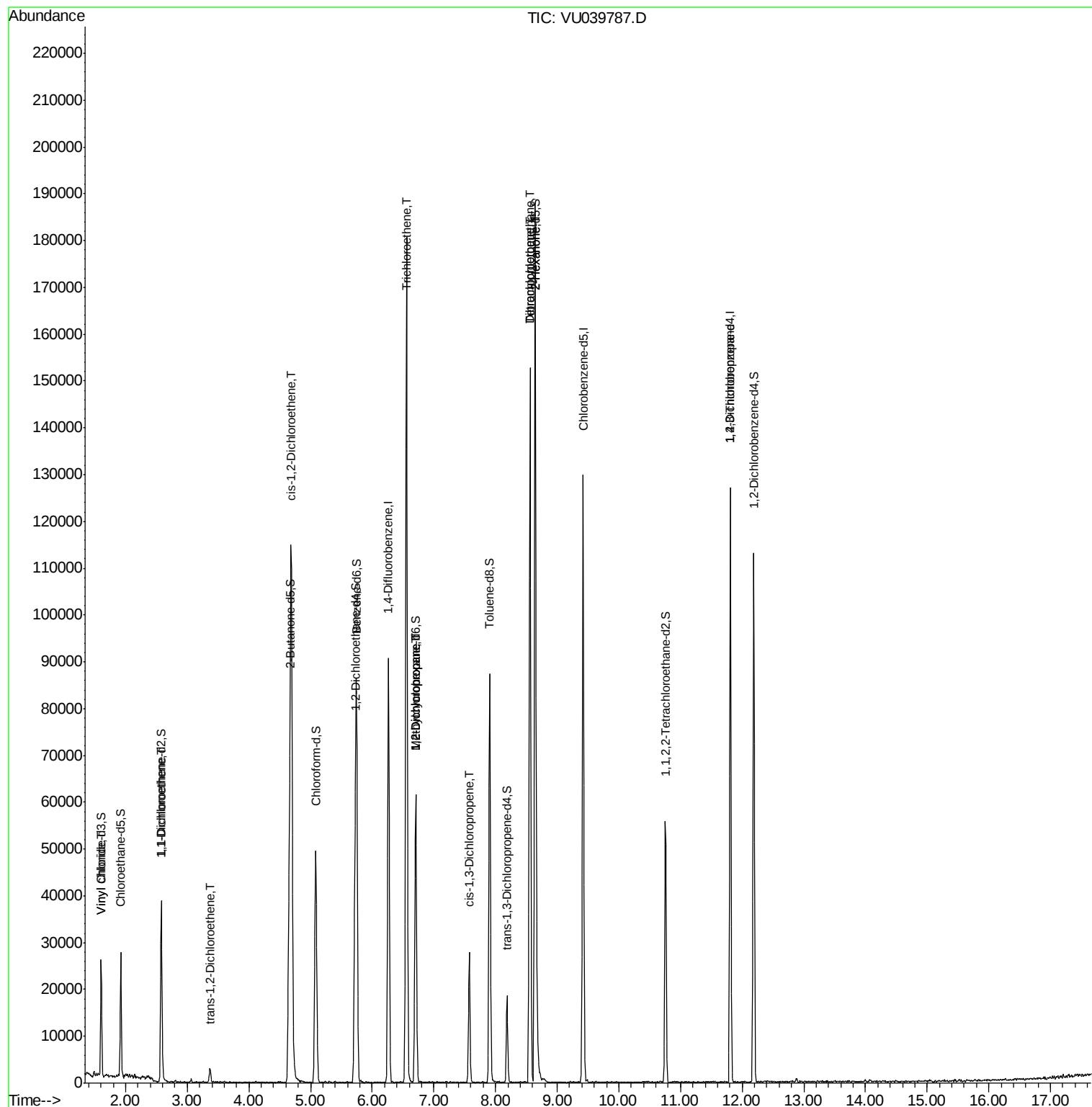
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	1481	0.260	ug/L	92
12) 1,1-Dichloroethene	2.59	96	463	0.111	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	1313	0.282	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	47967	9.479	ug/L	96
34) Trichloroethene	6.56	95	55787	11.576	ug/L	98
35) Methylcyclohexane	6.71	83	6415	0.834	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	3252	0.660	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	778	0.116	ug/L #	45
47) Tetrachloroethene	8.56	164	31008	7.800	ug/L	95
48) 2-Hexanone	8.64	43	8736	3.285	ug/L #	71
49) Dibromochloromethane	8.56	129	30027	6.600	ug/L #	12
59) 1,2,3-Trichloropropane	11.81	75	4191	1.179	ug/L #	82

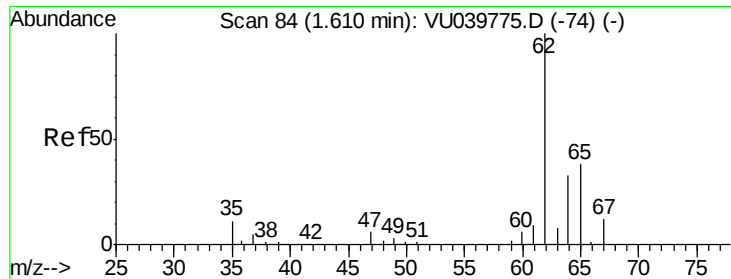
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 08 03:30:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.260 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039787.D

Acq: 07 Aug 2020 15:18

Instrument :

MSVOA_U

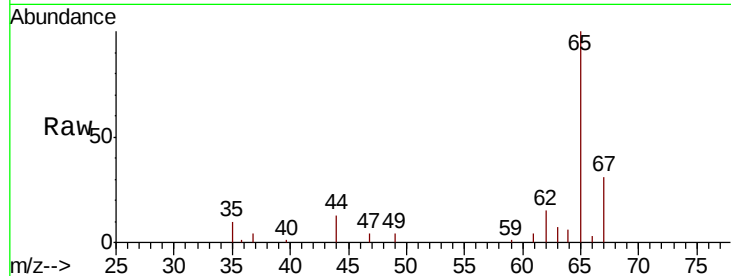
ClientSampled :

Tot Ion: 62 Resp: 1481

Ion Ratio Lower Upper

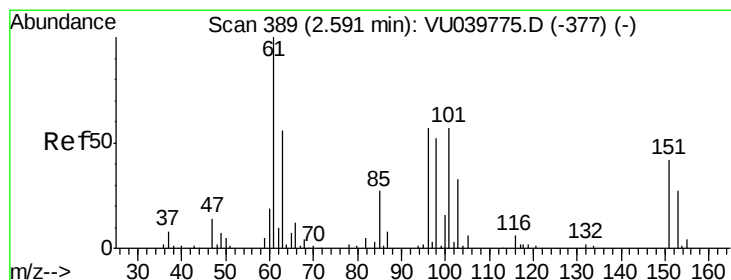
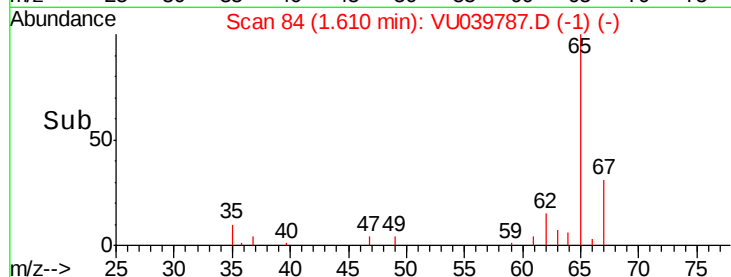
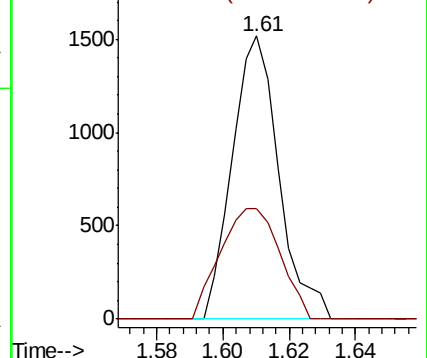
62 100

64 39.0 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.111 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039787.D

Acq: 07 Aug 2020 15:18

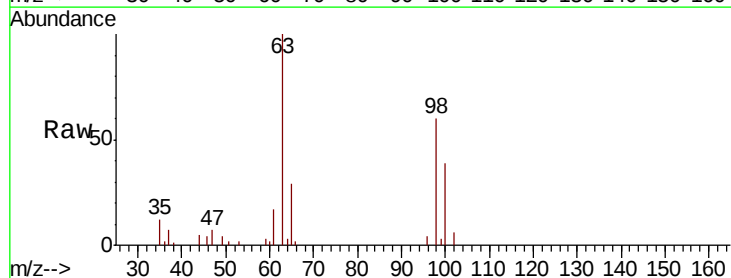
Tgt Ion: 96 Resp: 463

Ion Ratio Lower Upper

96 100

61 403.0 121.7 225.9#

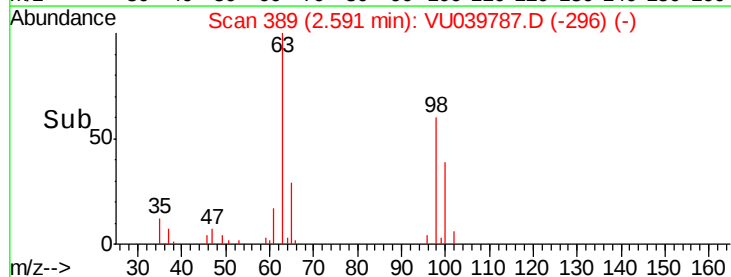
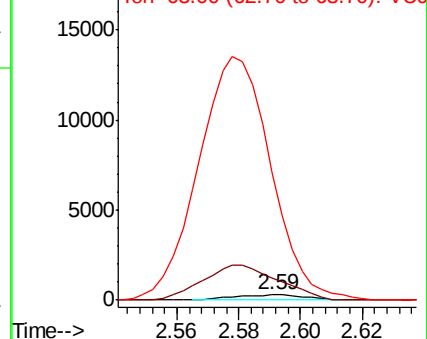
63 2393.6 82.1 152.5#

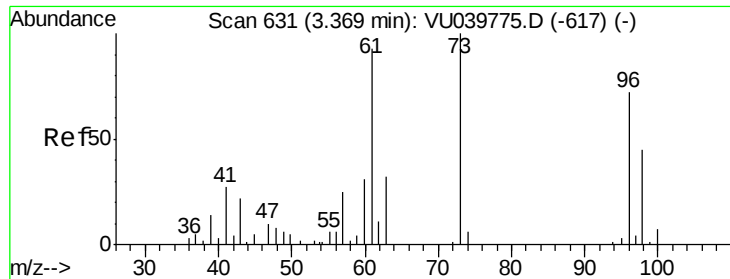


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

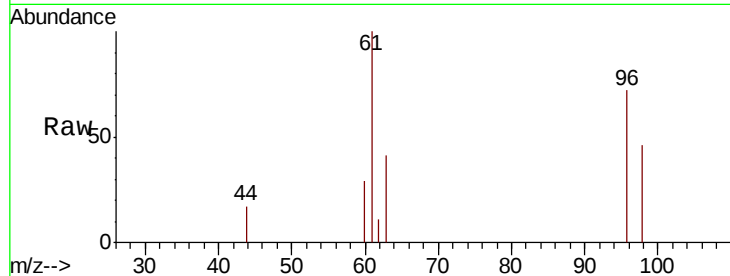




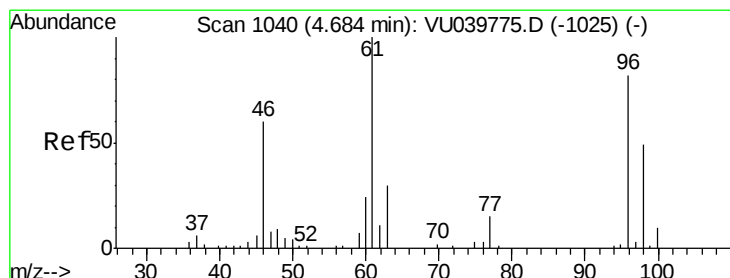
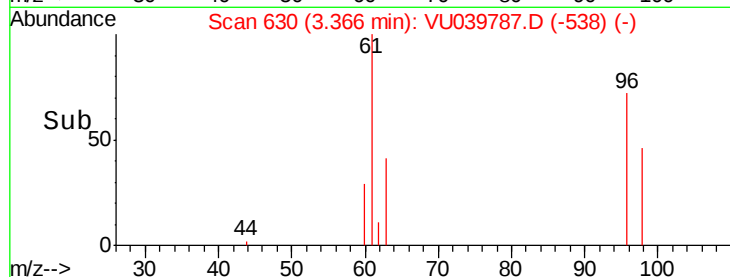
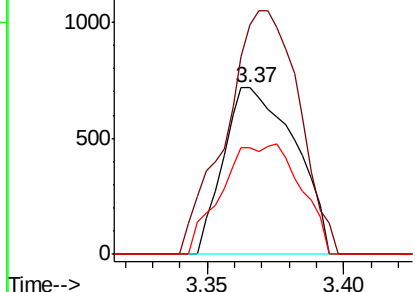
#18
trans-1,2-Dichloroethene
Concen: 0.282 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU039787.D
Acq: 07 Aug 2020 15:18

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 1313
Ion Ratio Lower Upper
96 100
61 138.0 96.5 179.1
98 64.0 40.9 76.0

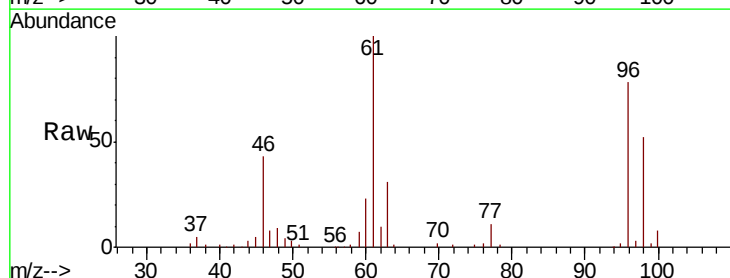


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

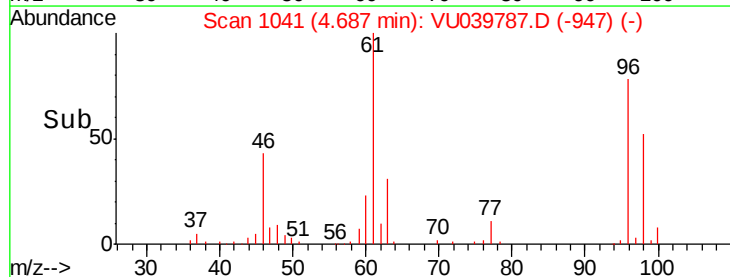
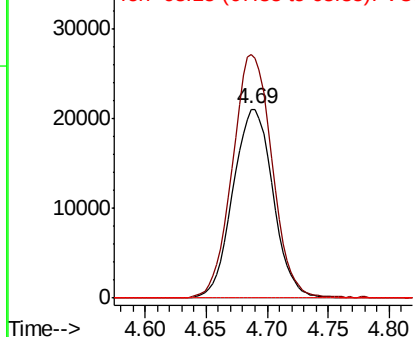


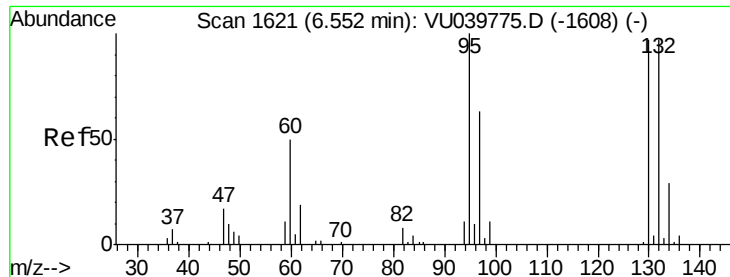
#22
cis-1,2-Dichloroethene
Concen: 9.479 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU039787.D
Acq: 07 Aug 2020 15:18

Tgt Ion: 96 Resp: 47967
Ion Ratio Lower Upper
96 100
61 129.0 87.4 162.2
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





#34

Trichloroethene

Concen: 11.576 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039787.D

Acq: 07 Aug 2020 15:18

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 55787

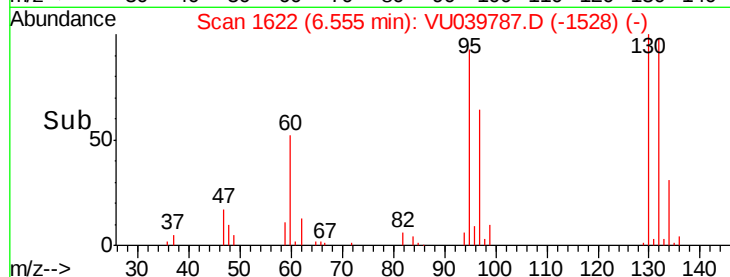
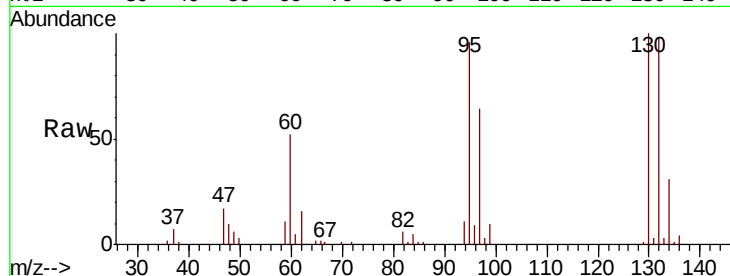
Ion Ratio Lower Upper

95 100

97 66.5 44.0 81.8

132 101.6 71.7 133.3

130 103.7 71.1 132.1

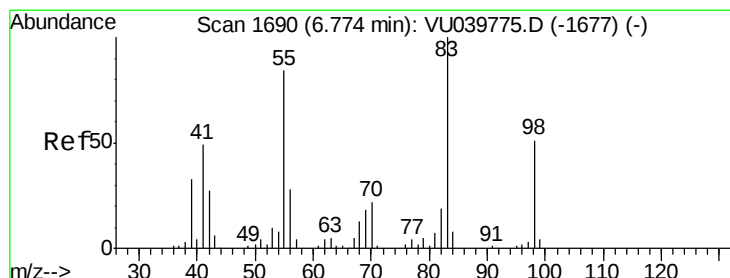
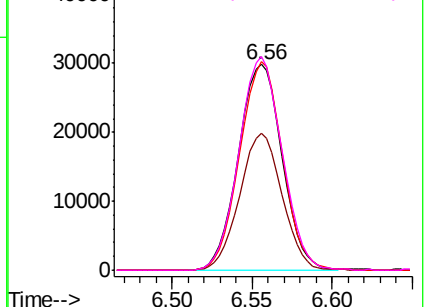


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.834 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039787.D

Acq: 07 Aug 2020 15:18

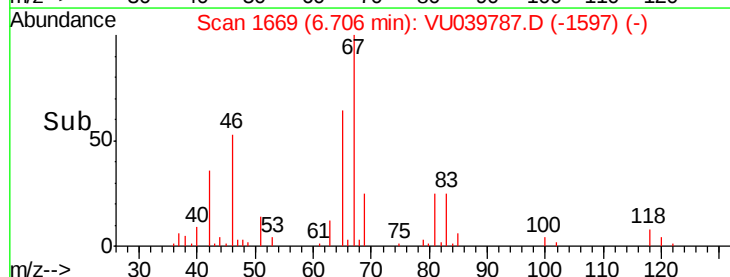
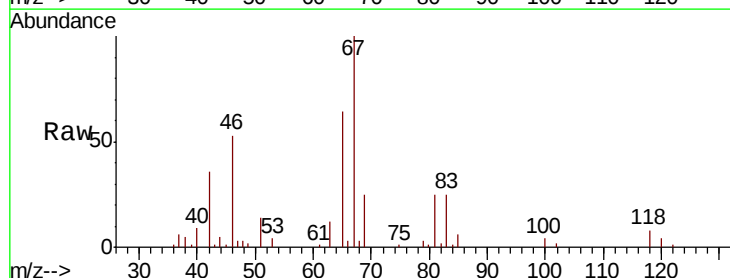
Tgt Ion: 83 Resp: 6415

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.0#

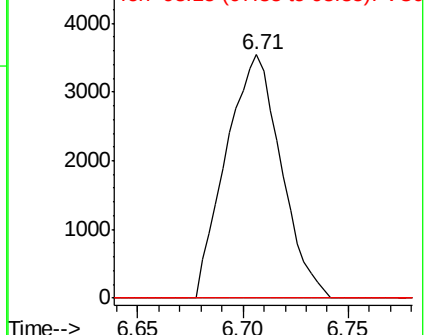
98 0.0 39.0 58.4#

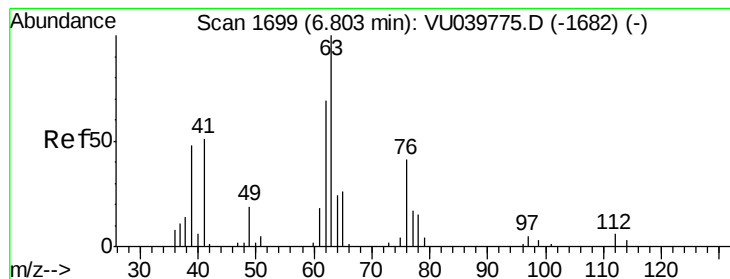


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.660 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039787.D

Acq: 07 Aug 2020 15:18

Instrument :

MSVOA_U

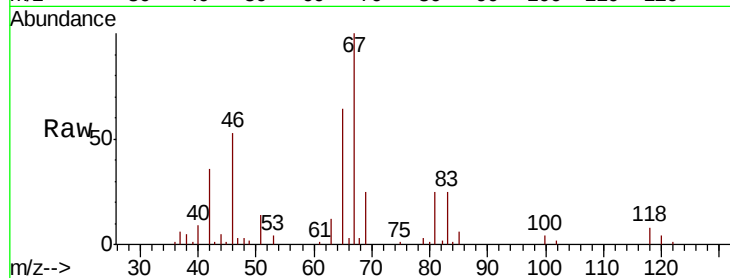
ClientSampleId :

Tot Ion: 63 Resp: 3252

Ion Ratio Lower Upper

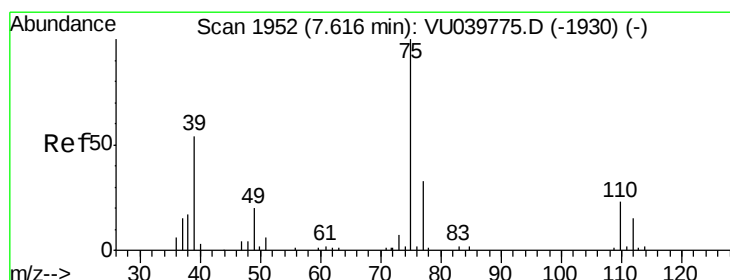
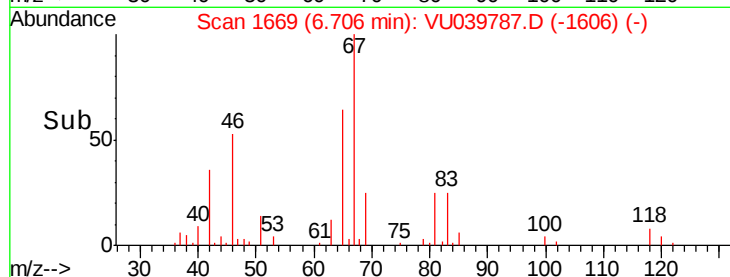
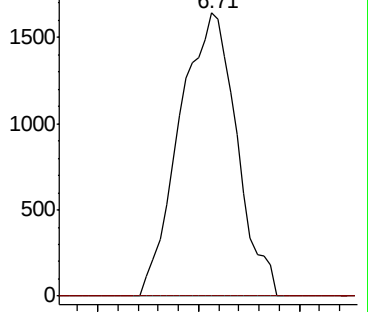
63 100

112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU039787.D (-1666) (-)

Ion 112.10 (111.80 to 112.80): VU039787.D (-1666) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.116 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039787.D

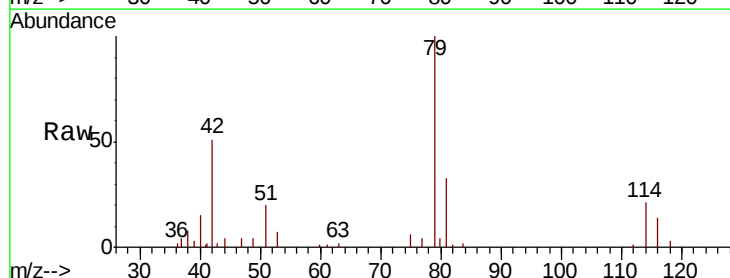
Acq: 07 Aug 2020 15:18

Tgt Ion: 75 Resp: 778

Ion Ratio Lower Upper

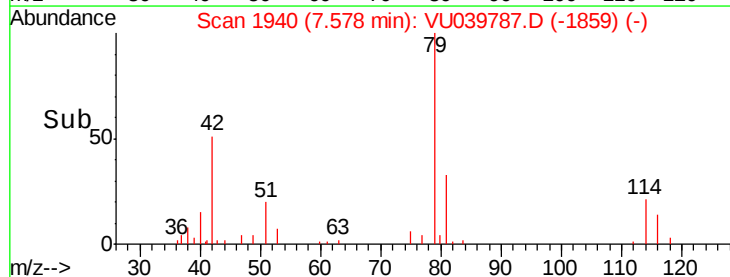
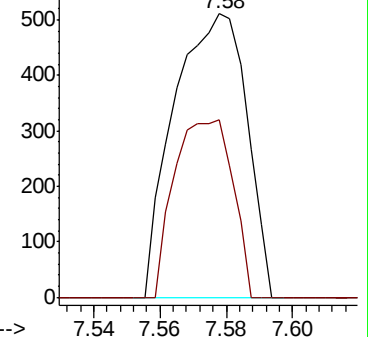
75 100

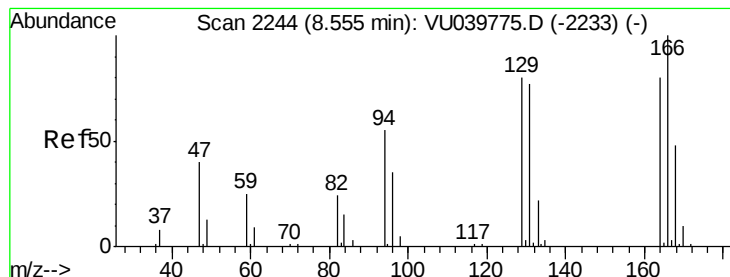
77 62.6 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU039787.D (-1859) (-)

Ion 77.05 (76.75 to 77.75): VU039787.D (-1859) (-)





#47

Tetrachloroethene

Concen: 7.800 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039787.D

Acq: 07 Aug 2020 15:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 31008

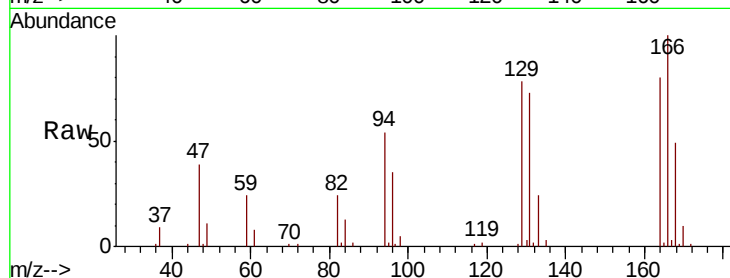
Ion Ratio Lower Upper

164 100

129 97.5 65.9 122.5

131 91.3 68.1 126.5

166 125.4 84.5 156.9

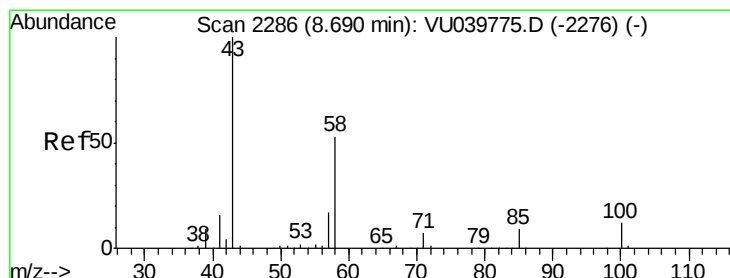
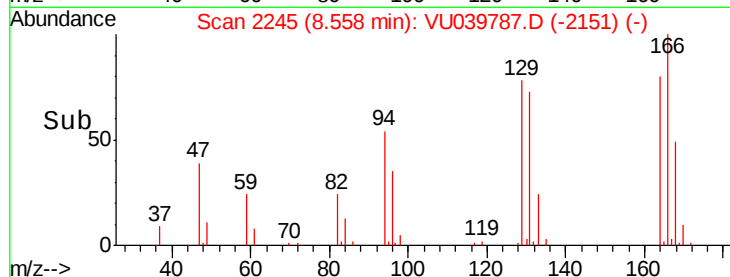
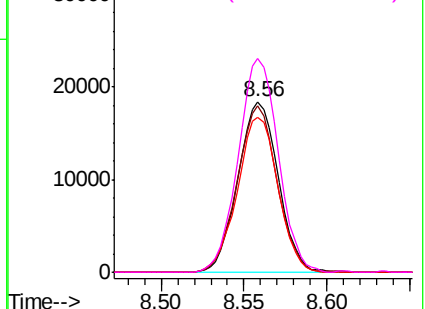


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 3.285 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU039787.D

Acq: 07 Aug 2020 15:18

Tgt Ion: 43 Resp: 8736

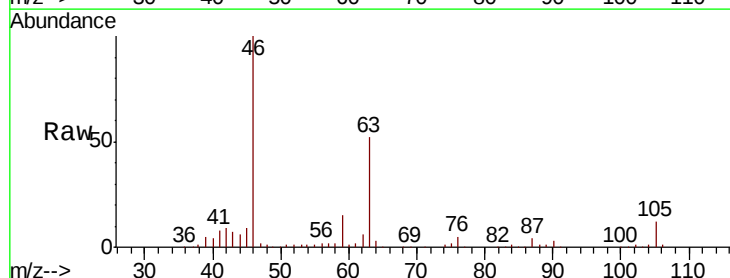
Ion Ratio Lower Upper

43 100

58 29.7 41.8 62.8#

57 26.0 14.2 21.4#

100 0.5 9.4 14.2#

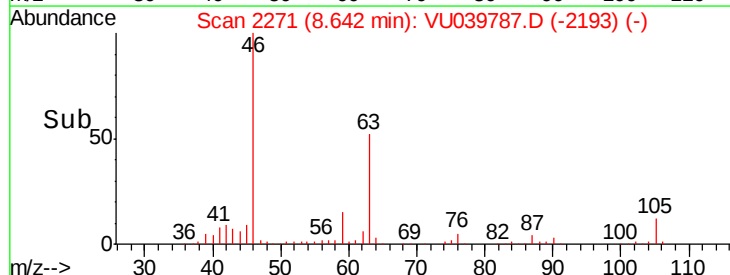
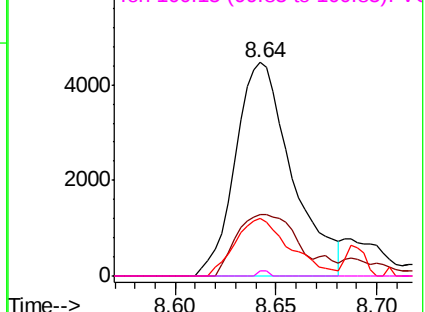


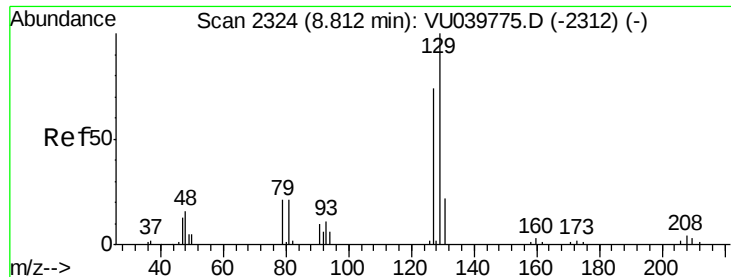
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 6.600 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU039787.D

Acq: 07 Aug 2020 15:18

Instrument :

MSVOA_U

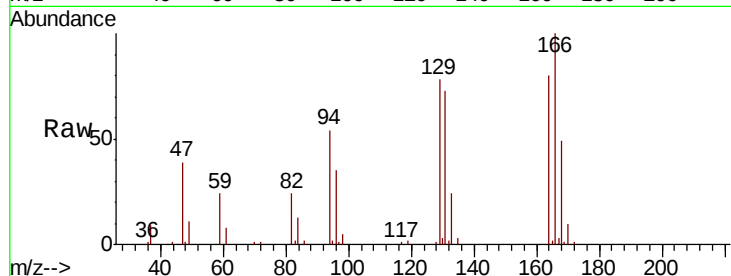
ClientSampled :

Tot Ion:129 Resp: 30027

Ion Ratio Lower Upper

129 100

127 0.0 53.0 98.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

20000

15000

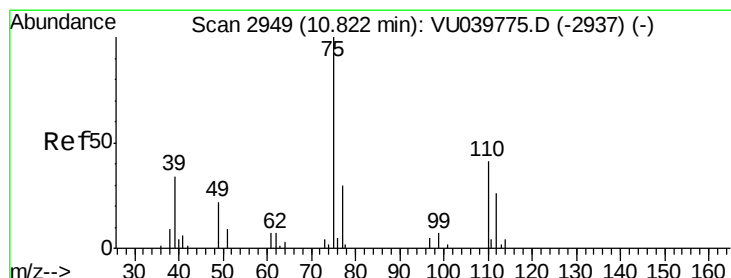
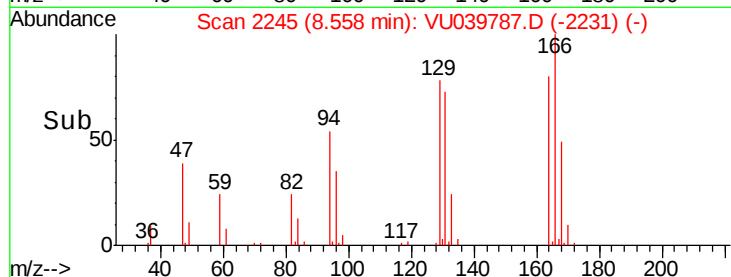
10000

5000

0

8.50 8.55 8.60 8.65

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.179 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039787.D

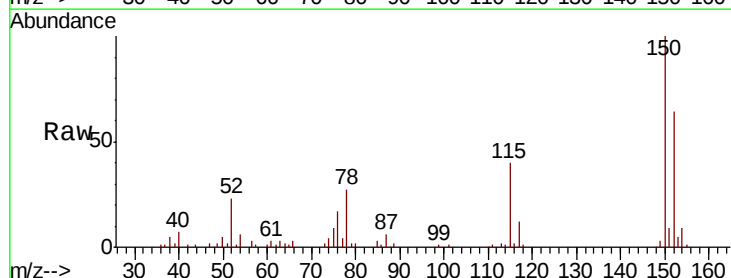
Acq: 07 Aug 2020 15:18

Tgt Ion: 75 Resp: 4191

Ion Ratio Lower Upper

75 100

77 40.9 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

3000

2500

2000

1500

1000

500

0

11.75 11.80 11.85

Time-->

