

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039349.D
 Acq On : 08 Jul 2020 15:58
 Operator : SY/MD
 Sample : L3231-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4283

Quant Time: Jul 09 02:32:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 02:29:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	109149	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	99721	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47464	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32162	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.93	69	31711	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.58	63	48643	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	4.66	46	170852	59.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.06%
24) Chloroform-d	5.08	84	68842	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.72	65	47659	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
32) Benzene-d6	5.74	84	140944	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.40%
36) 1,2-Dichloropropane-d6	6.71	67	47816	5.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.40%
41) Toluene-d8	7.91	98	123480	5.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.60%
43) trans-1,3-Dichloropropene-	8.19	79	20705	5.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.20%
46) 2-Hexanone-d5	8.64	63	125460	56.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.56%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	44713	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	49723	5.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	75088	8.437	ug/L	96
12) 1,1-Dichloroethene	2.59	96	1368	0.211	ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	136959	6.696	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	53072	7.385	ug/L	99
19) 1,1-Dichloroethane	3.89	63	11131	0.792	ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	606335	75.246	ug/L	95
25) Chloroform	5.11	83	6501	0.458	ug/L	88
33) Benzene	5.79	78	8169	0.274	ug/L	100
34) Trichloroethene	6.56	95	338804	43.956	ug/L	98
35) Methylcyclohexane	6.71	83	10421	0.844	ug/L #	38
37) 1,2-Dichloropropane	6.71	63	5614	0.691	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1758	0.143	ug/L #	49
47) Tetrachloroethene	8.56	164	5952	1.110	ug/L	96
48) 2-Hexanone	8.69	43	4783	0.957	ug/L #	91
49) Dibromochloromethane	8.56	129	6154	0.870	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7644	1.276	ug/L #	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
Data File : VU039349.D
Acq On : 08 Jul 2020 15:58
Operator : SY/MD
Sample : L3231-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4283

Quant Time: Jul 09 02:32:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 09 02:29:26 2020
Response via : Initial Calibration

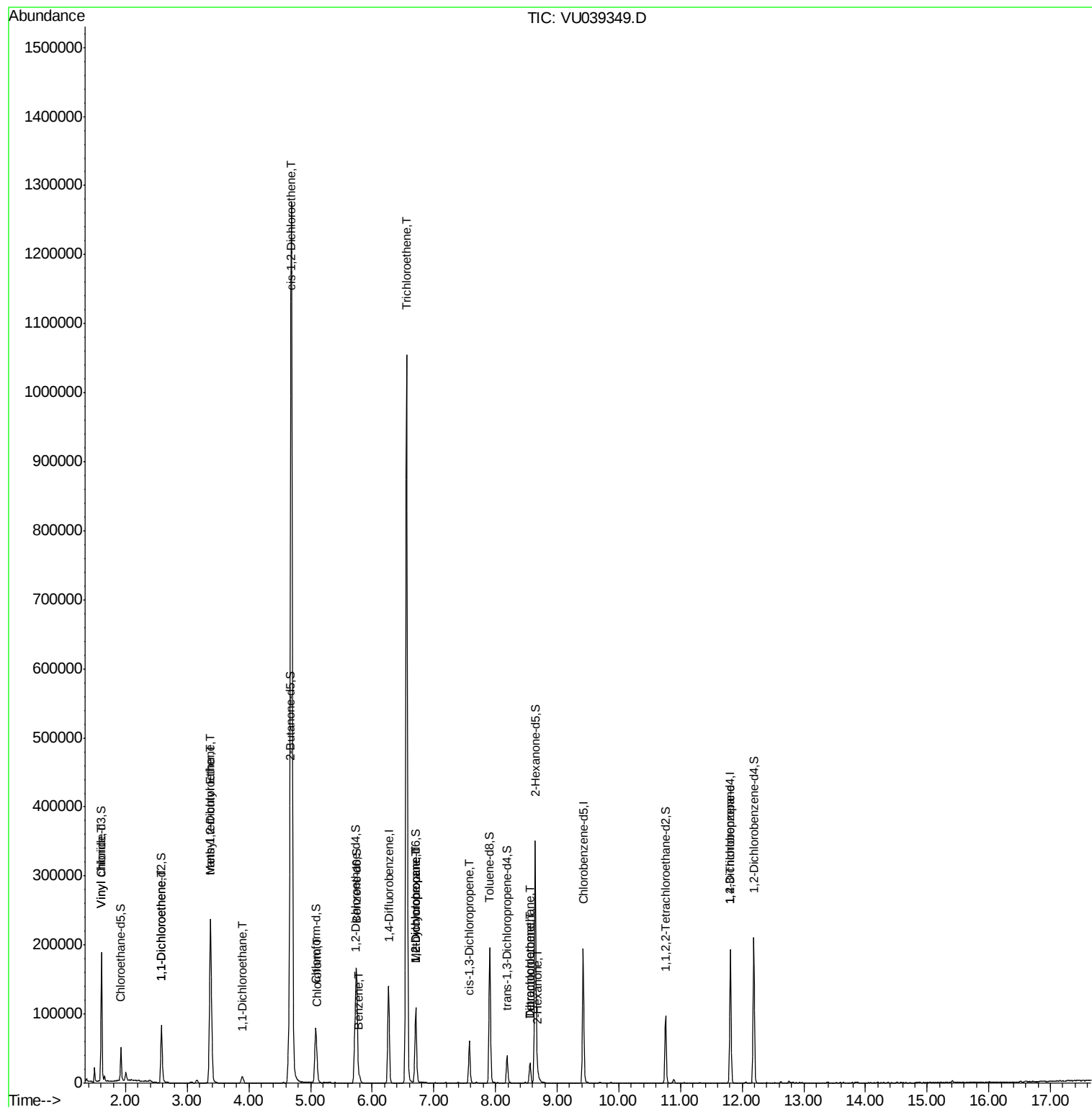
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

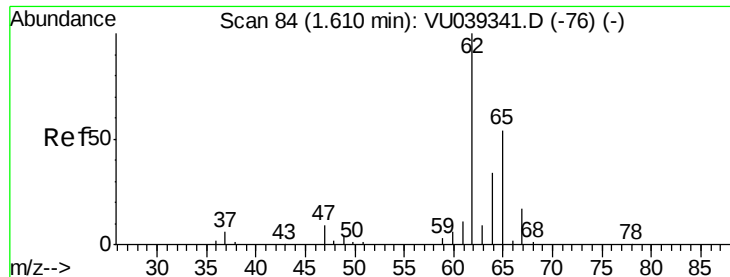
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070820\
Data File : VU039349.D
Acq On : 08 Jul 2020 15:58
Operator : SY/MD
Sample : L3231-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4283

Quant Time: Jul 09 02:32:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 09 02:29:26 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8.437 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039349.D

Acq: 08 Jul 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

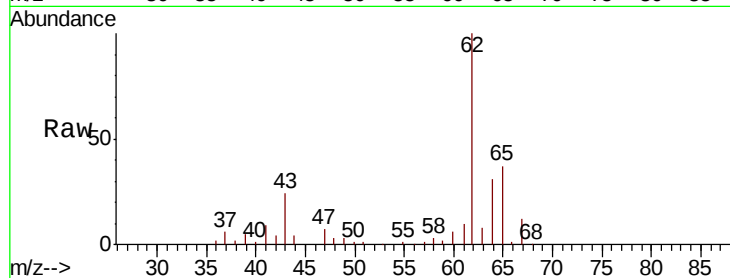
H4283

Tot Ion: 62 Resp: 75088

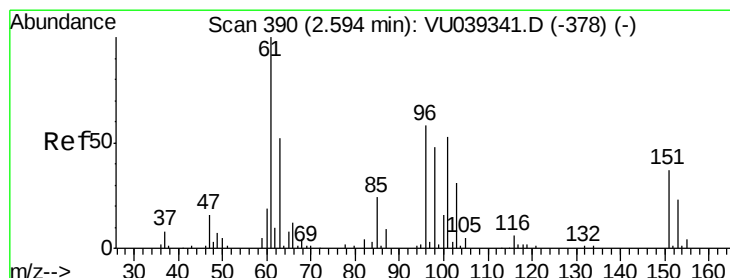
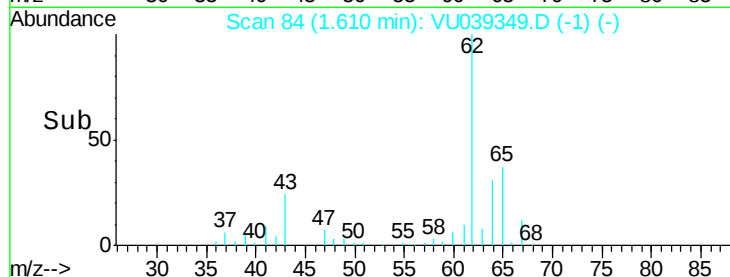
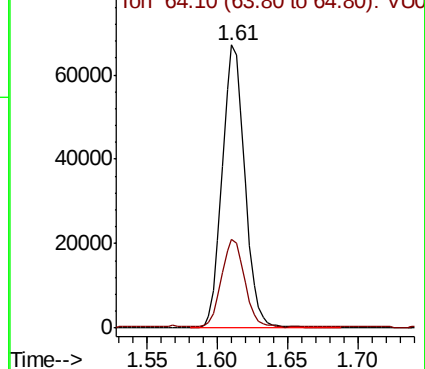
Ion Ratio Lower Upper

62 100

64 31.4 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039349.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.211 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039349.D

Acq: 08 Jul 2020 15:58

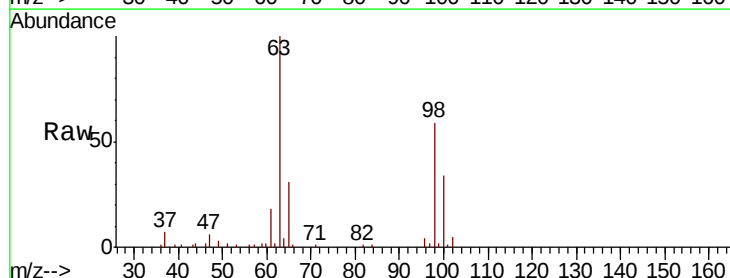
Tgt Ion: 96 Resp: 1368

Ion Ratio Lower Upper

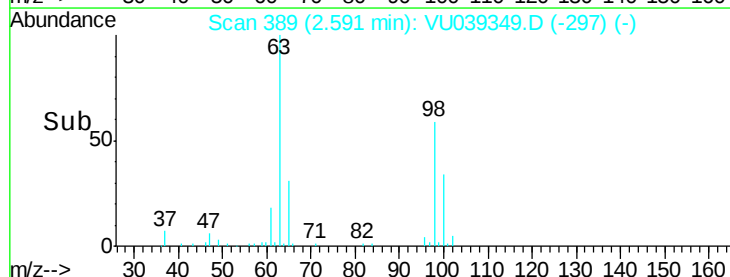
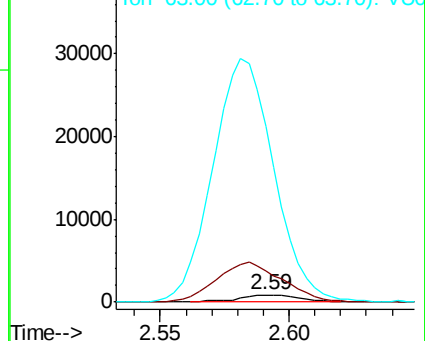
96 100

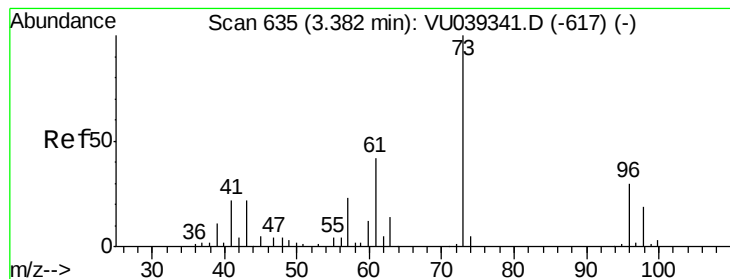
61 307.2 125.4 232.8#

63 1744.3 92.7 172.3#



Abundance Ion 96.00 (95.70 to 96.70): VU039349.D (-297) (-)



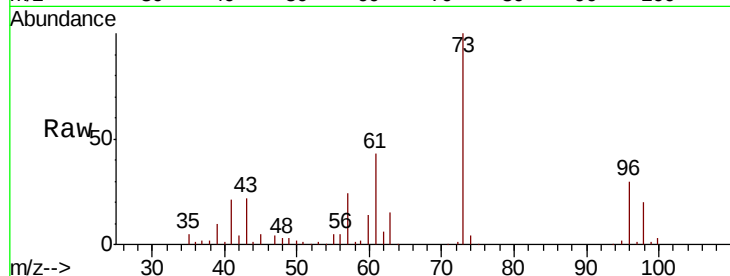


#17

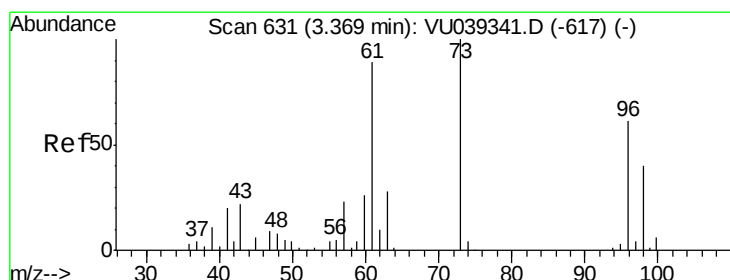
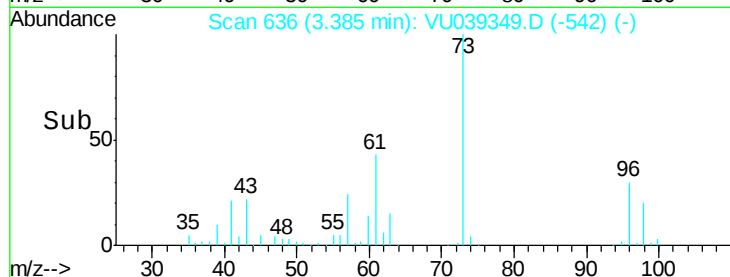
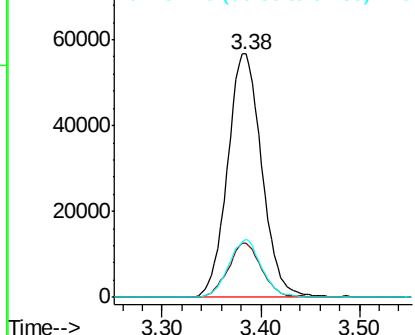
Methvl tert-butvl Ether
 Concen: 6.696 ug/L
 RT: 3.38 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU039349.D
 Acq: 08 Jul 2020 15:58

Instrument :
 MSVOA_U
 ClientSampleId :
 H4283

Tot Ion: 73 Resp: 136959
 Ion Ratio Lower Upper
 73 100
 43 21.8 18.6 28.0
 57 22.9 17.9 26.9



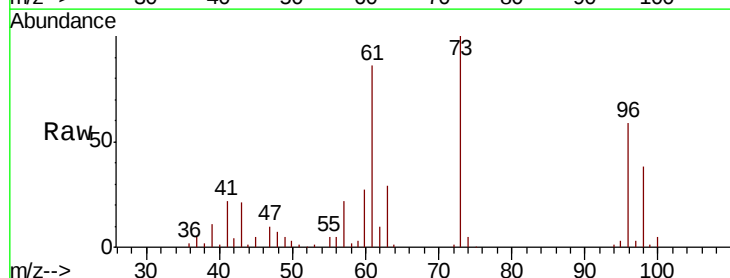
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



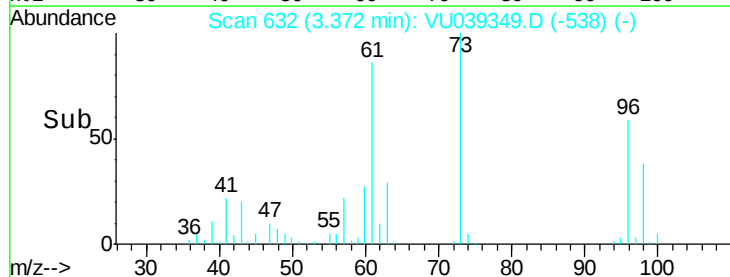
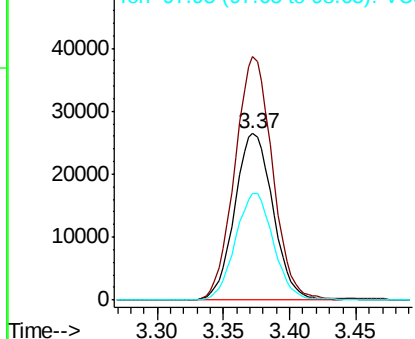
#18

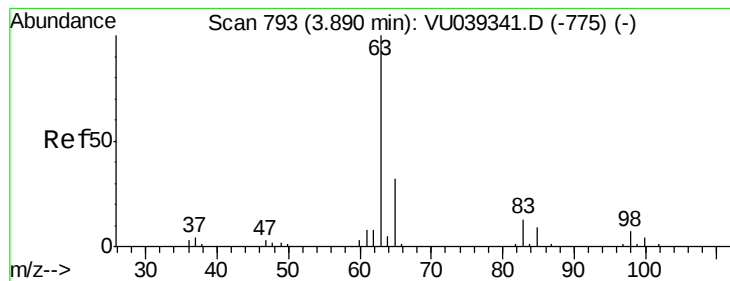
trans-1,2-Dichloroethene
 Concen: 7.385 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU039349.D
 Acq: 08 Jul 2020 15:58

Tgt Ion: 96 Resp: 53072
 Ion Ratio Lower Upper
 96 100
 61 146.0 102.1 189.5
 98 64.2 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





#19

1,1-Dichloroethane

Concen: 0.792 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039349.D

Acq: 08 Jul 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

H4283

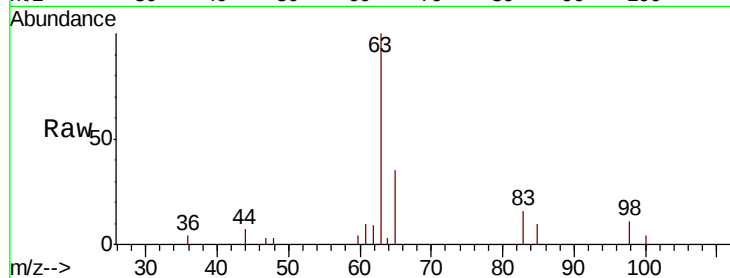
Tot Ion: 63 Resp: 11131

Ion Ratio Lower Upper

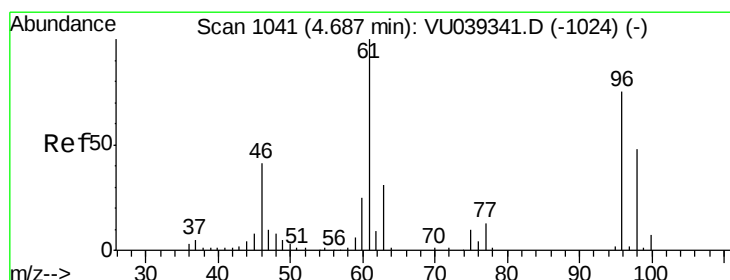
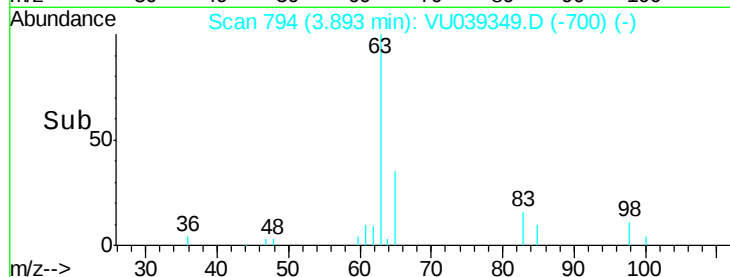
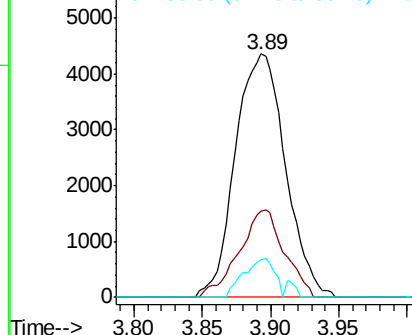
63 100

65 35.3 23.0 42.6

83 15.5 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 75.246 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039349.D

Acq: 08 Jul 2020 15:58

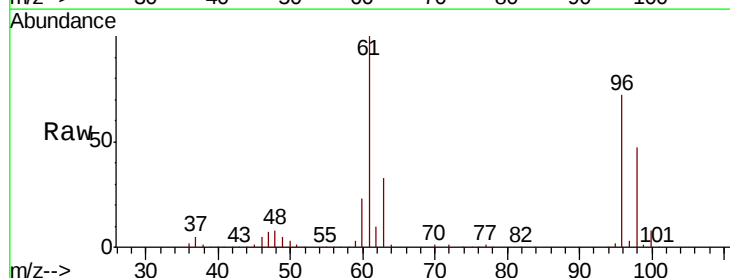
Tgt Ion: 96 Resp: 606335

Ion Ratio Lower Upper

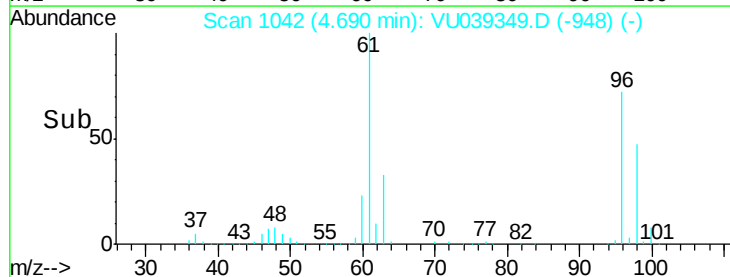
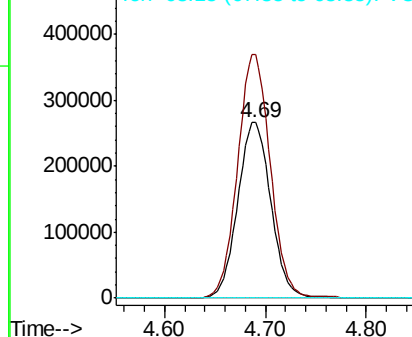
96 100

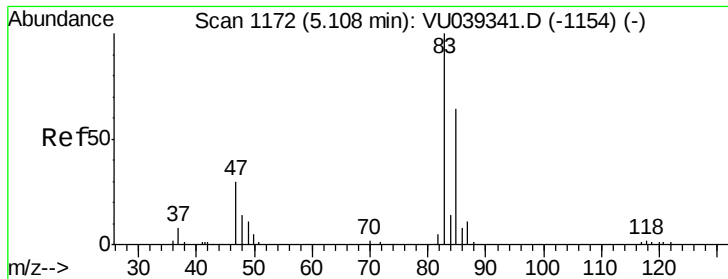
61 138.5 92.8 172.4

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

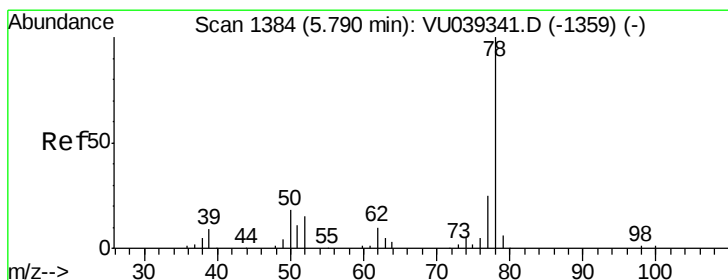
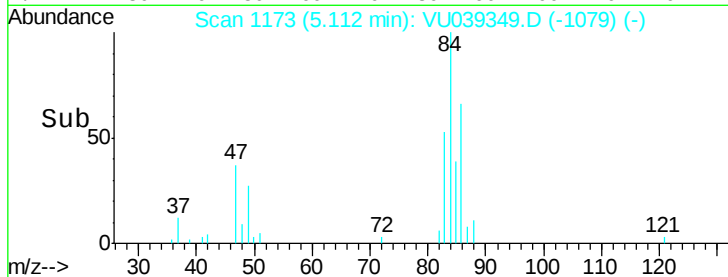
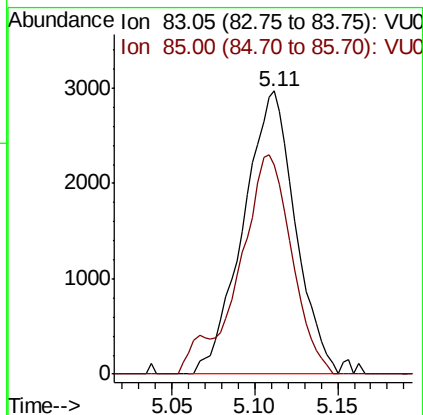
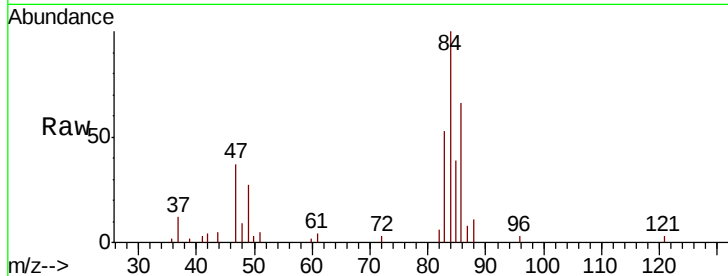




#25
Chloroform
Concen: 0.458 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039349.D
Acq: 08 Jul 2020 15:58

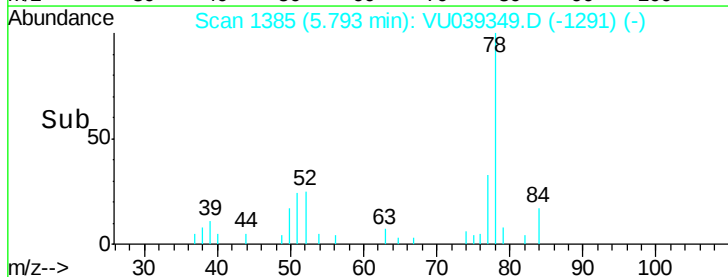
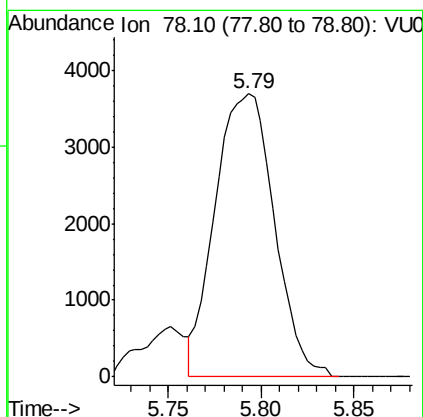
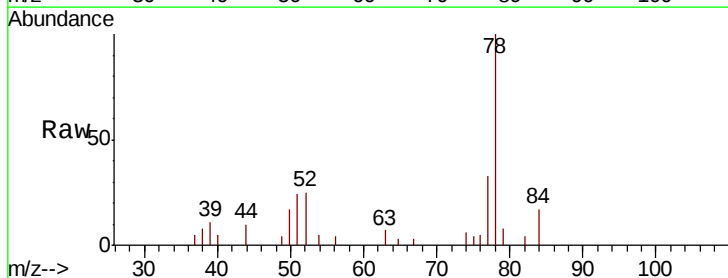
Instrument :
MSVOA_U
ClientSampleId :
H4283

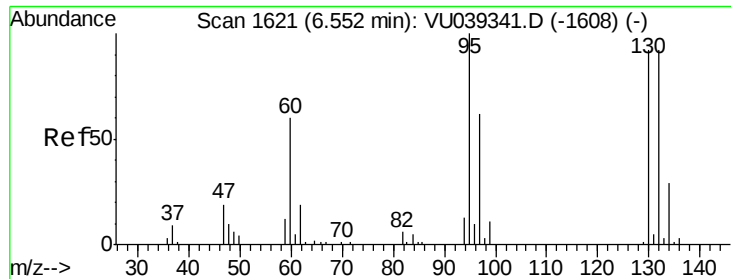
Tot Ion: 83 Resp: 6501
Ion Ratio Lower Upper
83 100
85 73.9 44.9 83.5



#33
Benzene
Concen: 0.274 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039349.D
Acq: 08 Jul 2020 15:58

Tgt Ion: 78 Resp: 8169





#34

Trichloroethene

Concen: 43.956 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039349.D

Acq: 08 Jul 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

H4283

Tot Ion: 95 Resp: 338804

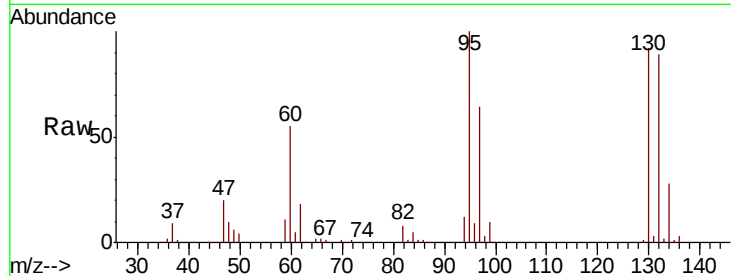
Ion Ratio Lower Upper

95 100

97 63.7 46.3 85.9

132 89.5 64.0 118.8

130 92.2 64.3 119.5

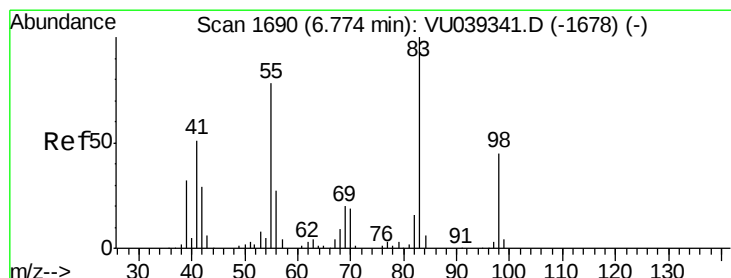
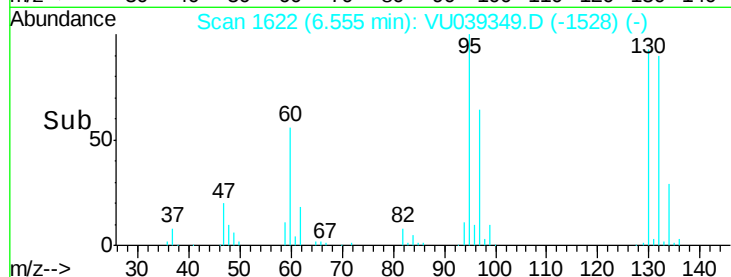
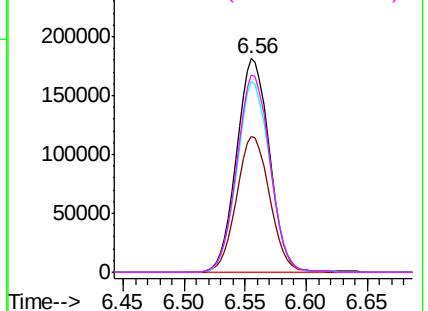


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.844 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039349.D

Acq: 08 Jul 2020 15:58

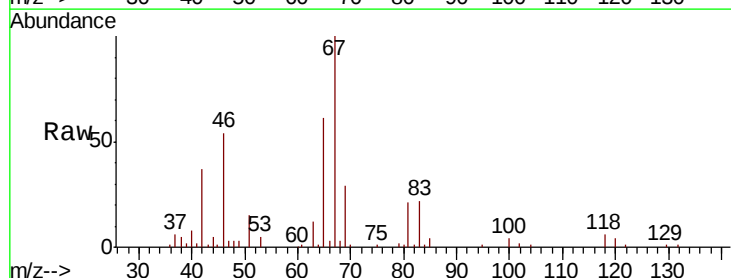
Tgt Ion: 83 Resp: 10421

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

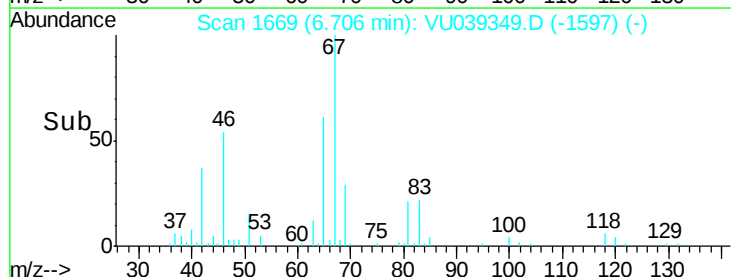
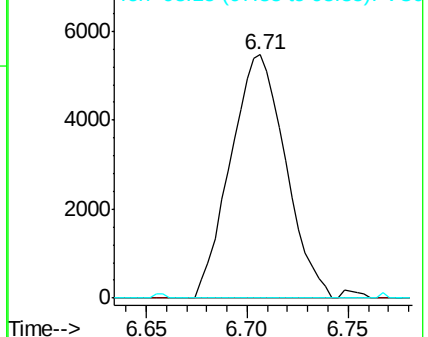
98 34.7 35.9 53.9#

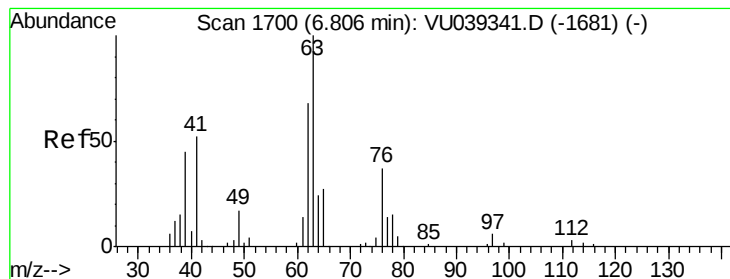


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.691 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039349.D

Acq: 08 Jul 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

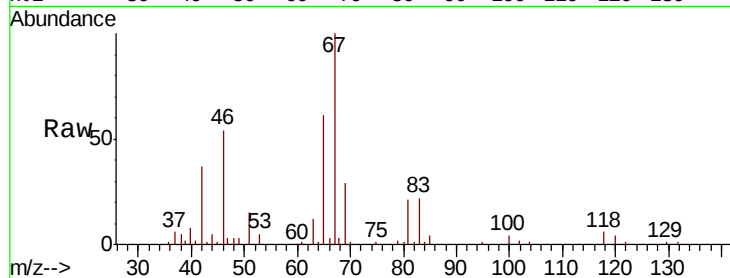
H4283

Tot Ion: 63 Resp: 5614

Ion Ratio Lower Upper

63 100

112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU039341.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU039341.D (-1681) (-)

6.71

3000

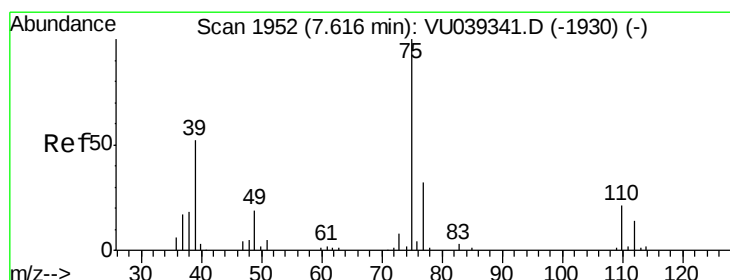
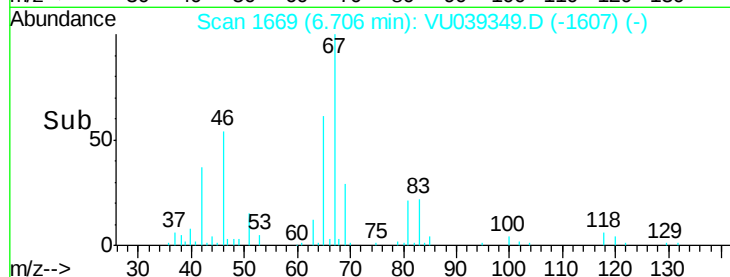
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.143 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039349.D

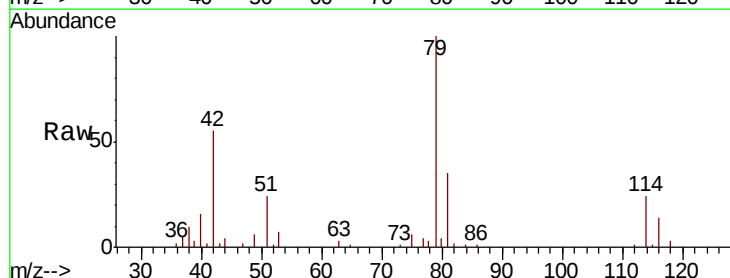
Acq: 08 Jul 2020 15:58

Tgt Ion: 75 Resp: 1758

Ion Ratio Lower Upper

75 100

77 59.9 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039341.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039341.D (-1930) (-)

7.58

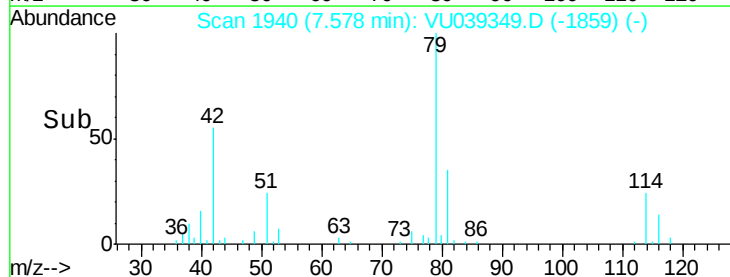
1000

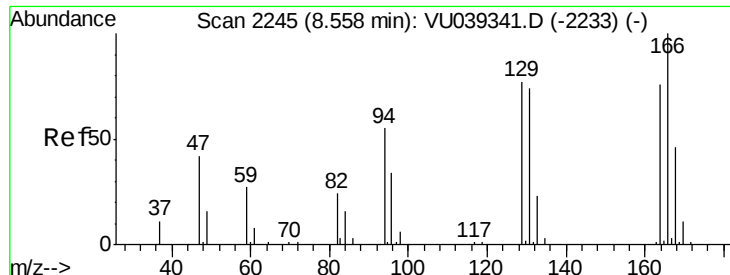
500

0

7.55 7.60

Time-->





#47

Tetrachloroethene

Concen: 1.110 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039349.D

Acq: 08 Jul 2020 15:58

Instrument :

MSVOA_U

ClientSampleId :

H4283

Tot Ion:164 Resp: 5952

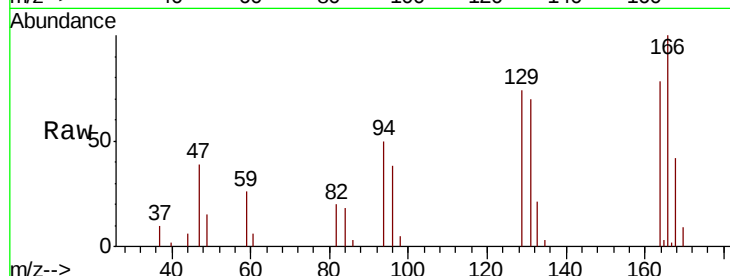
Ion Ratio Lower Upper

164 100

129 95.2 68.6 127.4

131 90.5 66.4 123.4

166 128.7 85.9 159.5

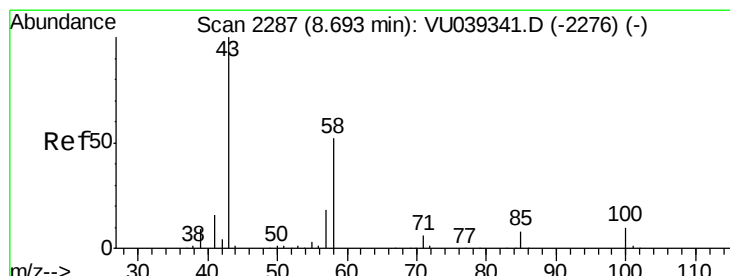
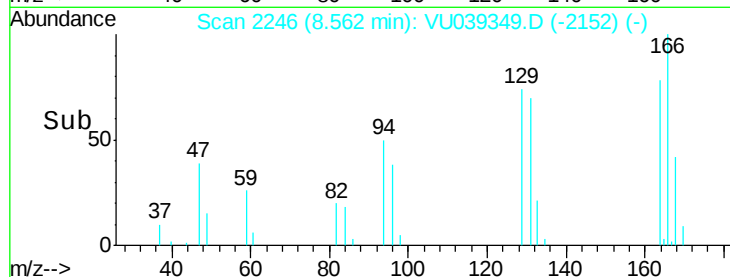
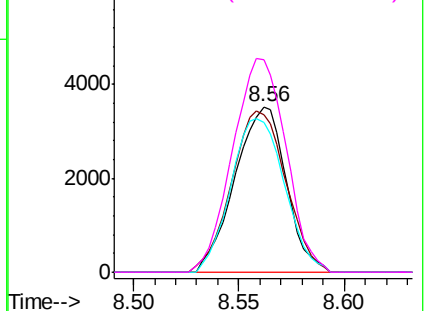


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.957 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VU039349.D

Acq: 08 Jul 2020 15:58

Tgt Ion: 43 Resp: 4783

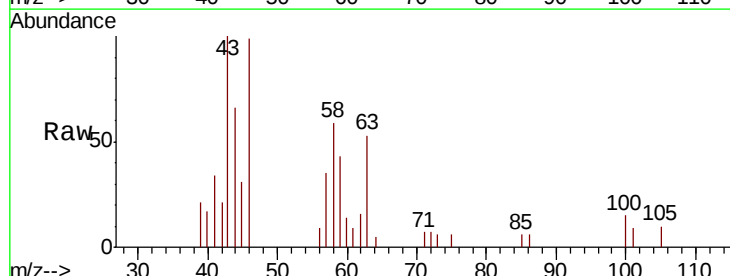
Ion Ratio Lower Upper

43 100

58 57.4 42.0 63.0

57 11.3 14.0 21.0#

100 5.4 8.2 12.2#

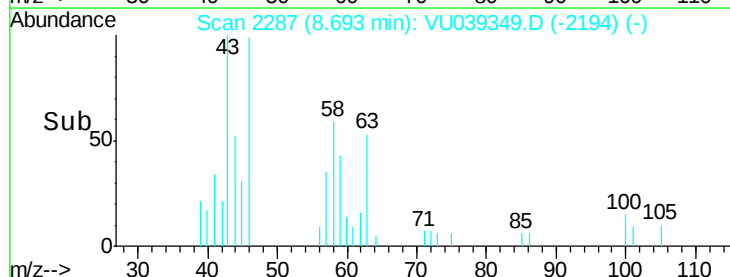
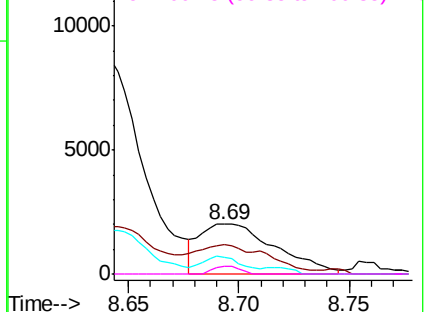


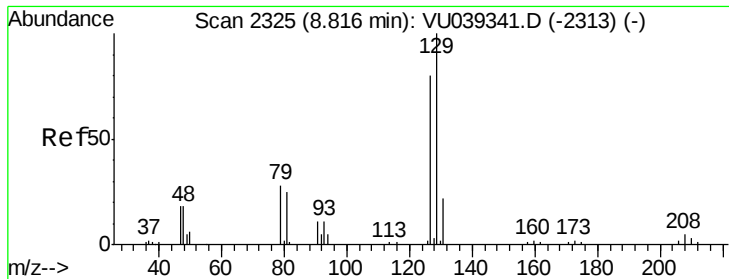
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.870 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039349.D

Acq: 08 Jul 2020 15:58

Instrument :

MSVOA_U

ClientSampled :

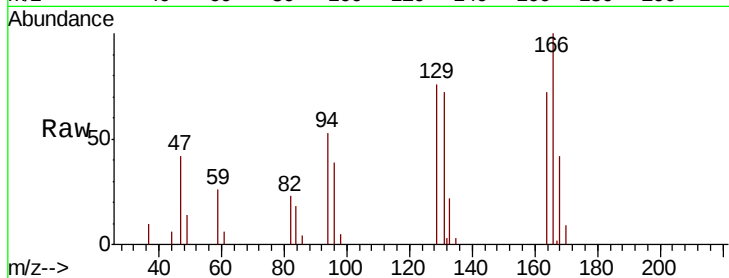
H4283

Tot Ion:129 Resp: 6154

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

8.56

4000

3000

2000

1000

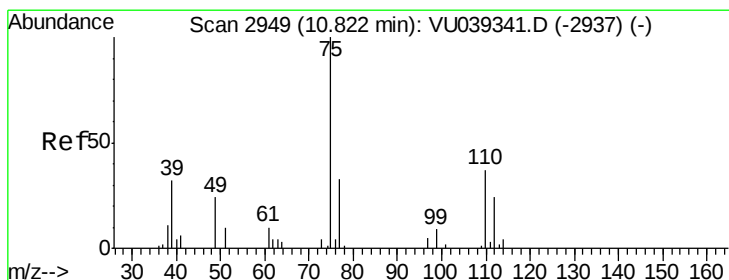
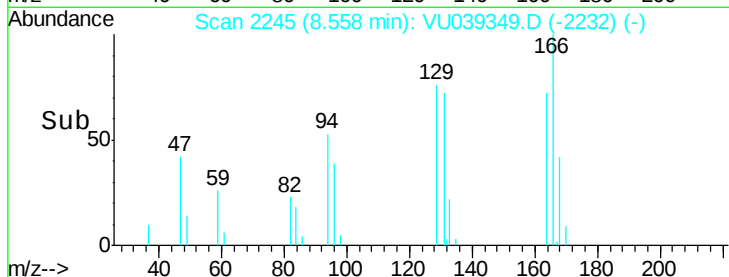
0

Time-->

8.50

8.55

8.60



#59

1,2,3-Trichloropropane

Concen: 1.276 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039349.D

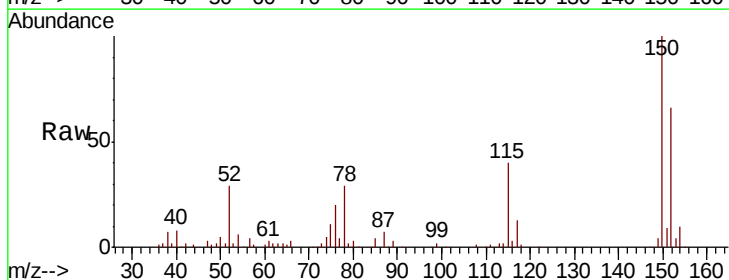
Acq: 08 Jul 2020 15:58

Tgt Ion: 75 Resp: 7644

Ion Ratio Lower Upper

75 100

77 40.6 26.8 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

5000

4000

3000

2000

1000

0

Time-->

11.75

11.80

11.85

