

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070720\
 Data File : VU039335.D
 Acq On : 07 Jul 2020 23:24
 Operator : SY/MD
 Sample : L3193-05DL 10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4285DL

Quant Time: Jul 08 01:48:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:44:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	117848	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109742	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54411	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37837	5.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.80%
7) Chloroethane-d5	1.92	69	59748	8.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	171.00%#
11) 1,1-Dichloroethene-d2	2.57	63	60658	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	4.66	46	185280	59.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.58%
24) Chloroform-d	5.08	84	79601	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.72	65	52993	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.00%
32) Benzene-d6	5.74	84	166780	6.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.20%#
36) 1,2-Dichloropropane-d6	6.70	67	56339	6.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.40%
41) Toluene-d8	7.91	98	145115	6.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	126.80%
43) trans-1,3-Dichloropropene-	8.19	79	23180	5.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.20%
46) 2-Hexanone-d5	8.66	63	145313	59.76	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.52%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	52359	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	58208	5.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	4666	0.486	ug/L #	56
12) 1,1-Dichloroethene	2.57	96	813	0.116	ug/L #	1
16) Methylene chloride	3.06	84	3357	0.381	ug/L	91
17) Methyl tert-butyl Ether	3.39	73	46414	2.102	ug/L	99
18) trans-1,2-Dichloroethene	3.36	96	2130	0.275	ug/L	94
19) 1,1-Dichloroethane	3.89	63	1920	0.126	ug/L	93
22) cis-1,2-Dichloroethene	4.69	96	61090	7.022	ug/L	97
25) Chloroform	5.11	83	6603	0.431	ug/L	98
34) Trichloroethene	6.56	95	111810	13.182	ug/L	98
35) Methylcyclohexane	6.70	83	12040	0.886	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	6449	0.721	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1934	0.143	ug/L #	62
47) Tetrachloroethene	8.56	164	2800	0.475	ug/L	89
49) Dibromochloromethane	8.56	129	2748	0.353	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	8352	1.267	ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\
Data File : VU039335.D
Acq On : 07 Jul 2020 23:24
Operator : SY/MD
Sample : L3193-05DL 10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4285DL

Quant Time: Jul 08 01:48:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 08 01:44:57 2020
Response via : Initial Calibration

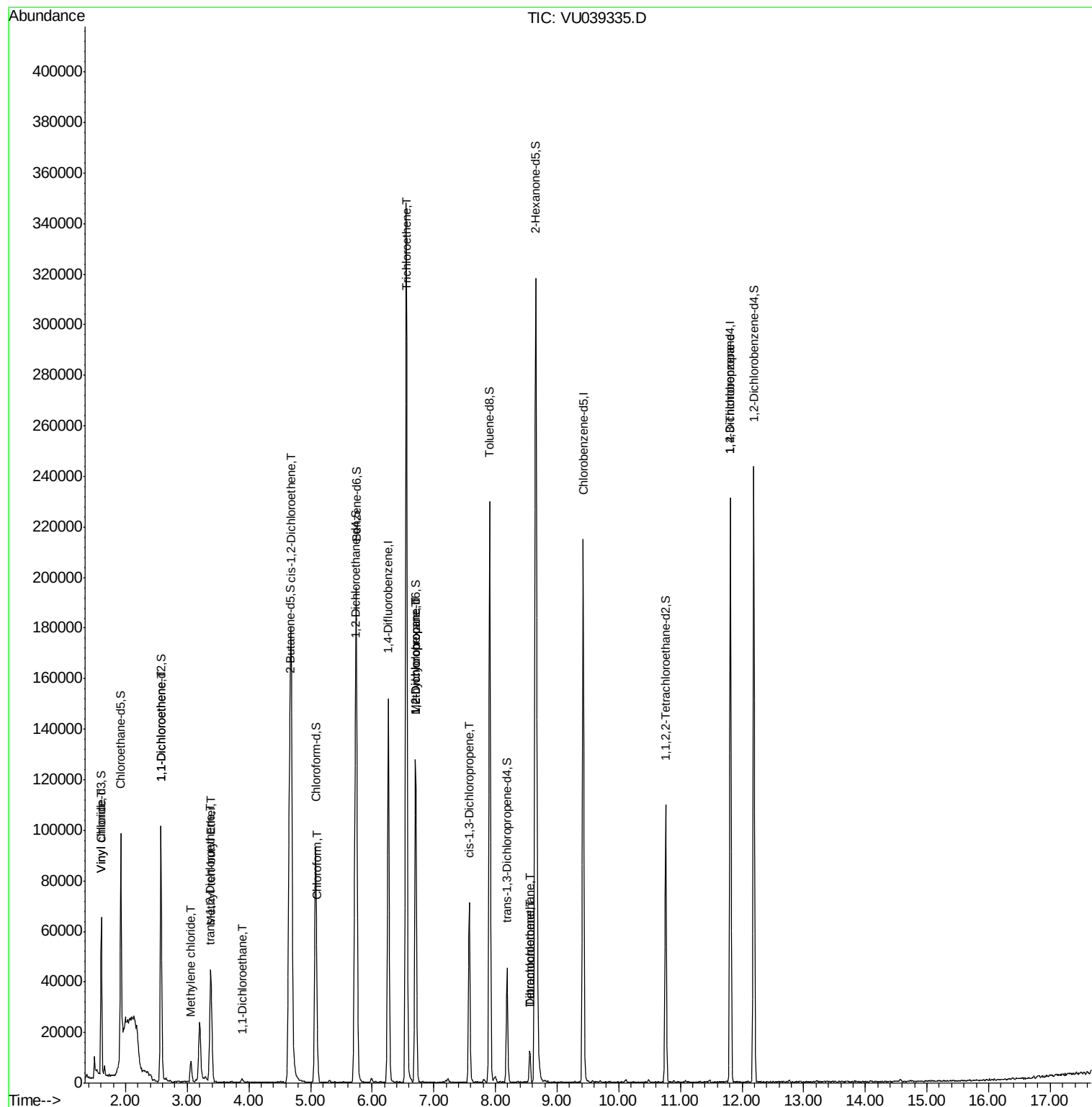
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

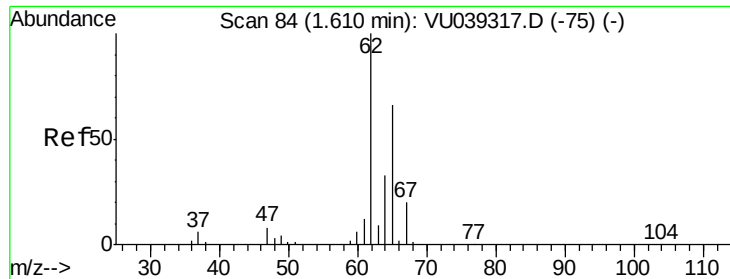
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070720\
Data File : VU039335.D
Acq On : 07 Jul 2020 23:24
Operator : SY/MD
Sample : L3193-05DL 10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4285DL

Quant Time: Jul 08 01:48:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 08 01:44:57 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.486 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039335.D

Acq: 07 Jul 2020 23:24

Instrument :

MSVOA_U

ClientSampled :

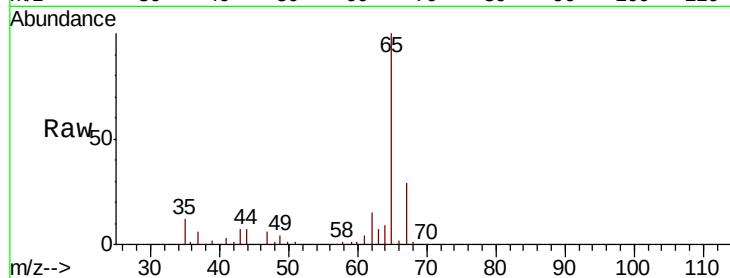
H4285DL

Tot Ion: 62 Resp: 4666

Ion Ratio Lower Upper

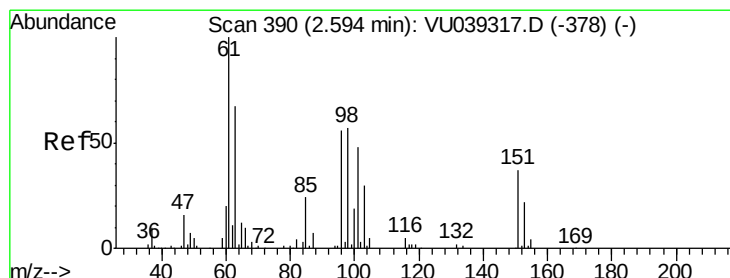
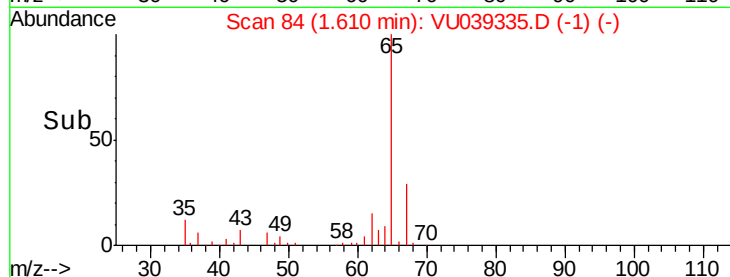
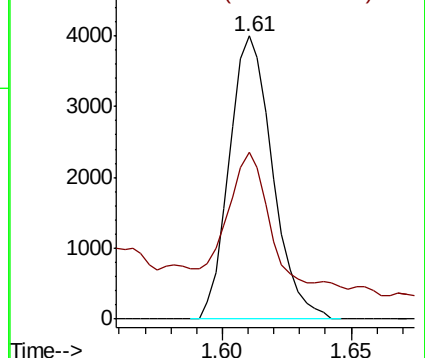
62 100

64 58.8 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.116 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU039335.D

Acq: 07 Jul 2020 23:24

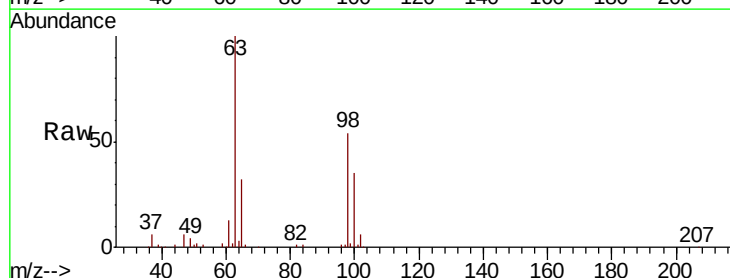
Tgt Ion: 96 Resp: 813

Ion Ratio Lower Upper

96 100

61 1065.6 125.4 232.8#

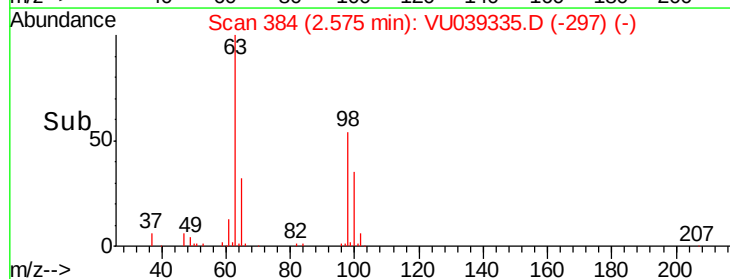
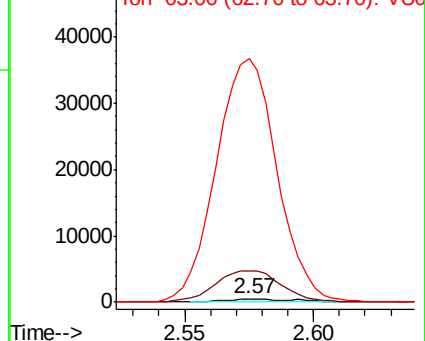
63 8165.3 92.7 172.3#

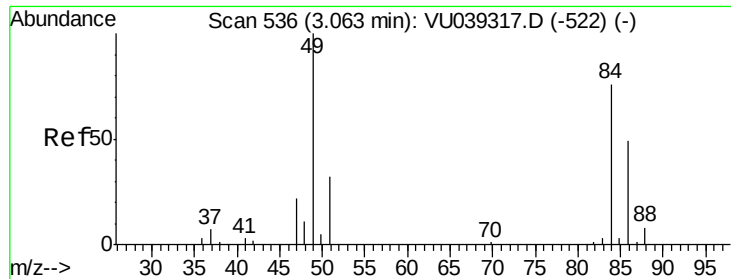


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

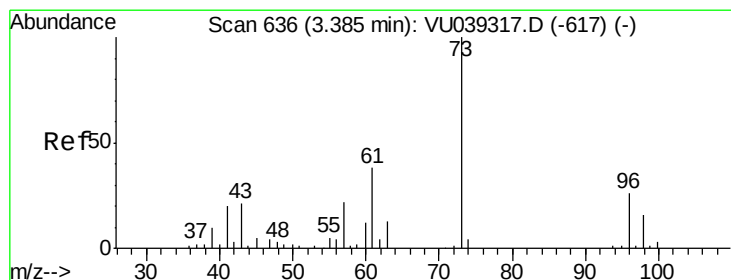
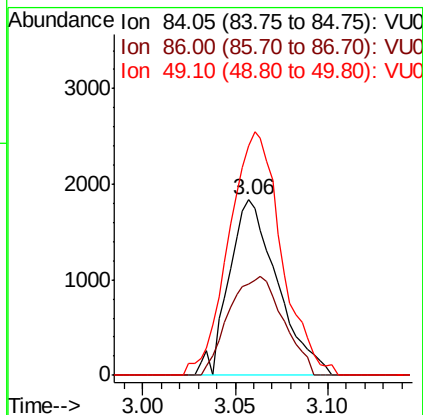
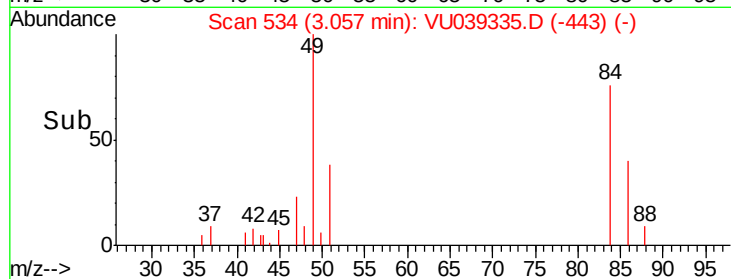
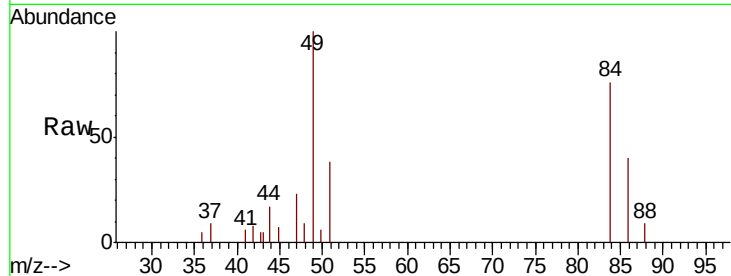




#16
Methylene chloride
Concen: 0.381 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU039335.D
Acq: 07 Jul 2020 23:24

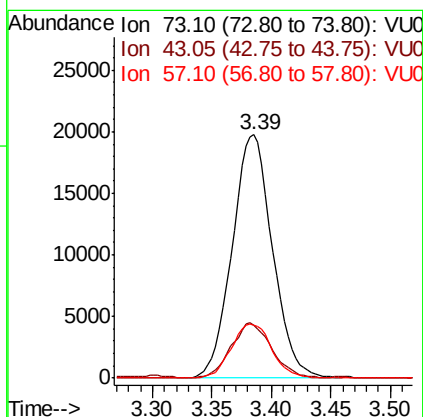
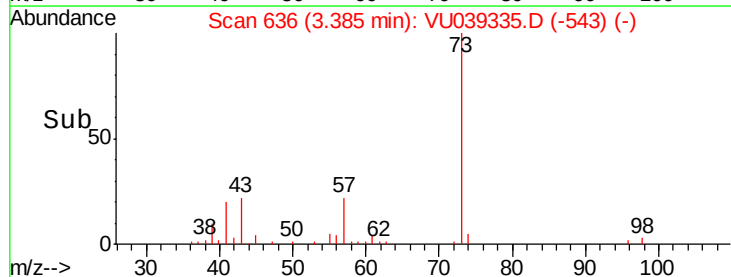
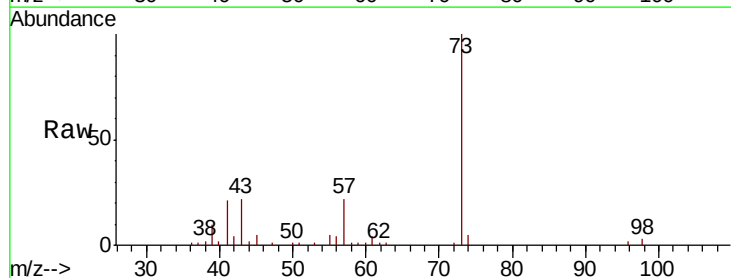
Instrument :
MSVOA_U
ClientSampleId :
H4285DL

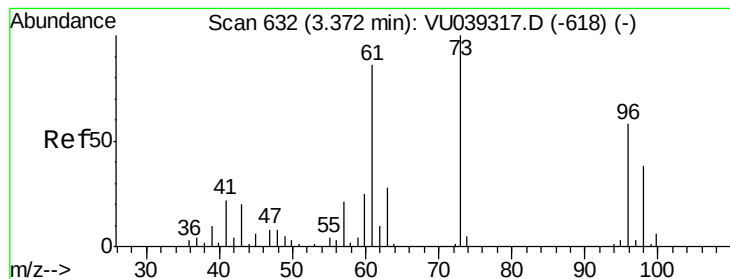
Tot Ion: 84 Resp: 3357
Ion Ratio Lower Upper
84 100
86 52.2 43.5 80.9
49 138.6 91.1 169.1



#17
Methyl tert-butyl Ether
Concen: 2.102 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039335.D
Acq: 07 Jul 2020 23:24

Tgt Ion: 73 Resp: 46414
Ion Ratio Lower Upper
73 100
43 22.7 18.6 28.0
57 22.3 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 0.275 ug/L

RT: 3.36 min Scan# 629

Delta R.T. -0.01 min

Lab File: VU039335.D

Acq: 07 Jul 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

H4285DL

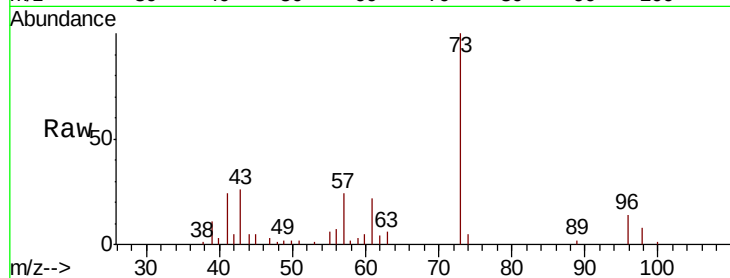
Tot Ion: 96 Resp: 2130

Ion Ratio Lower Upper

96 100

61 157.1 102.1 189.5

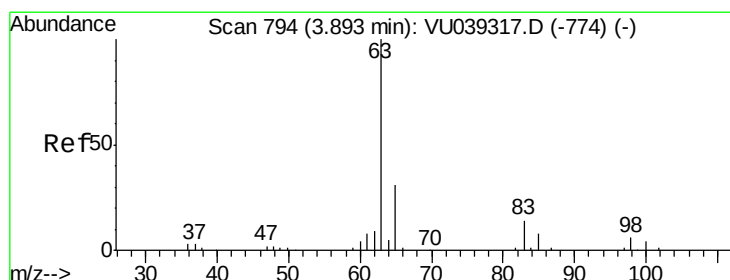
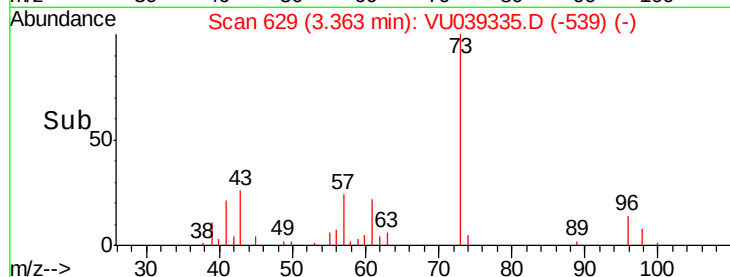
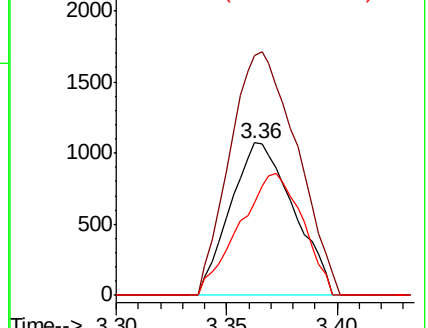
98 60.9 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU039335.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU039335.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU039335.D (-539) (-)



#19

1,1-Dichloroethane

Concen: 0.126 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.01 min

Lab File: VU039335.D

Acq: 07 Jul 2020 23:24

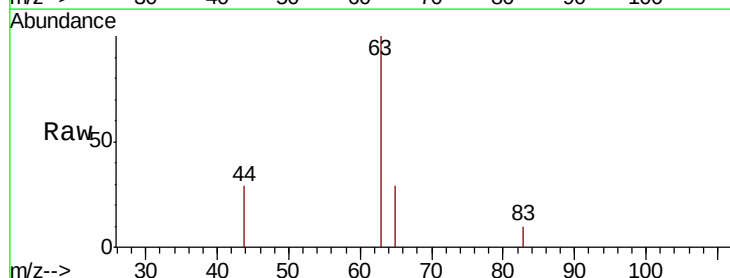
Tgt Ion: 63 Resp: 1920

Ion Ratio Lower Upper

63 100

65 29.3 23.0 42.6

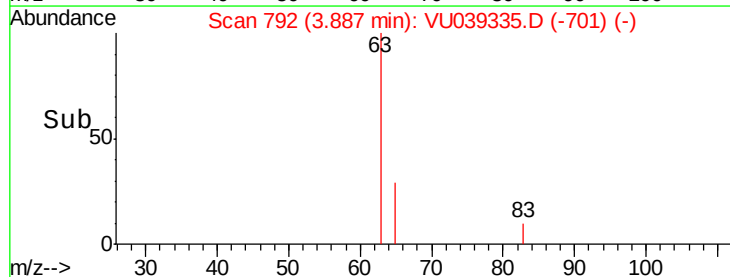
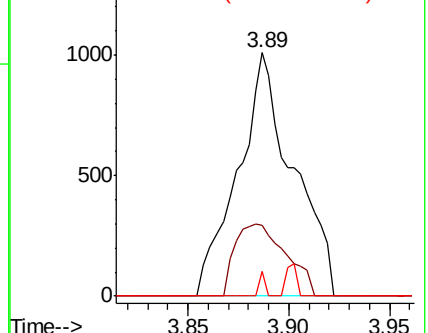
83 10.4 9.6 17.8

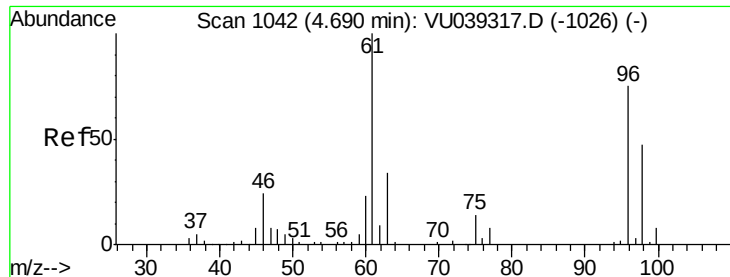


Abundance Ion 63.10 (62.80 to 63.80): VU039335.D (-701) (-)

Ion 65.10 (64.80 to 65.80): VU039335.D (-701) (-)

Ion 83.05 (82.75 to 83.75): VU039335.D (-701) (-)





#22

cis-1,2-Dichloroethene

Concen: 7.022 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039335.D

Acq: 07 Jul 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

H4285DL

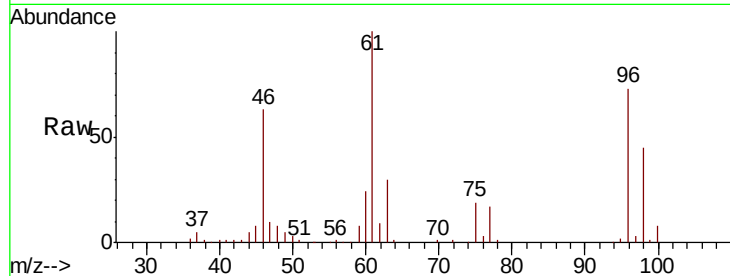
Tot Ion: 96 Resp: 61090

Ion Ratio Lower Upper

96 100

61 136.1 92.8 172.4

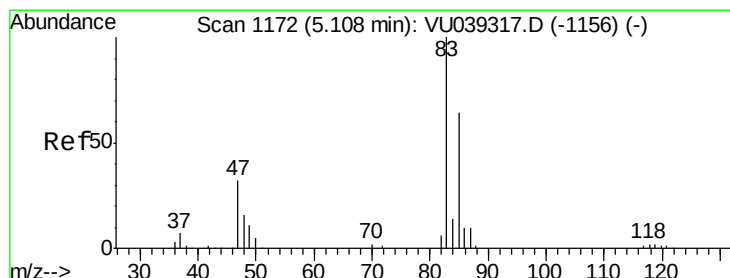
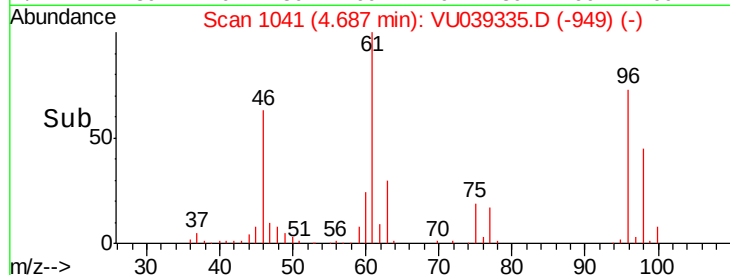
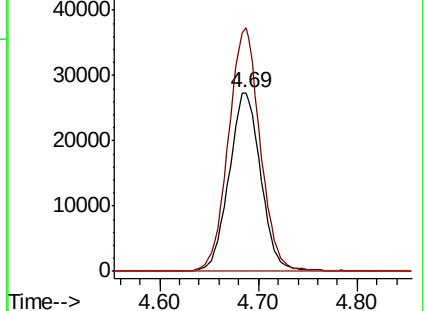
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039335.D (-1026) (-)

Ion 61.05 (60.75 to 61.75): VU039335.D (-1026) (-)

Ion 68.15 (67.85 to 68.85): VU039335.D (-1026) (-)



#25

Chloroform

Concen: 0.431 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039335.D

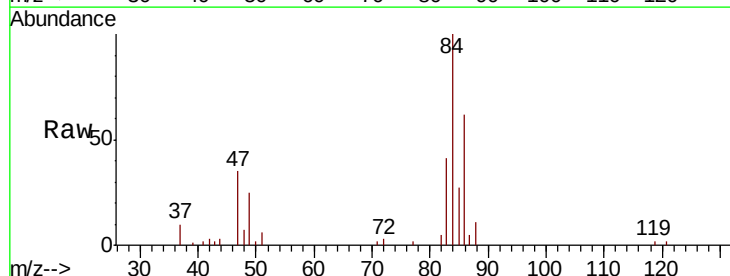
Acq: 07 Jul 2020 23:24

Tgt Ion: 83 Resp: 6603

Ion Ratio Lower Upper

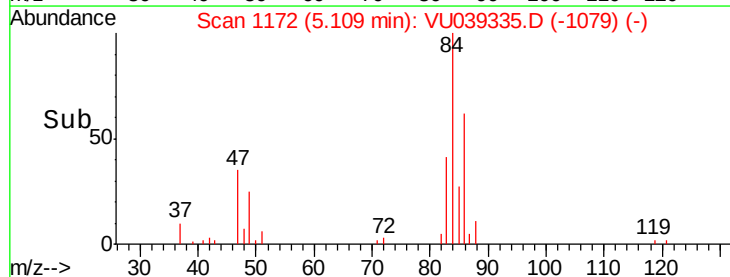
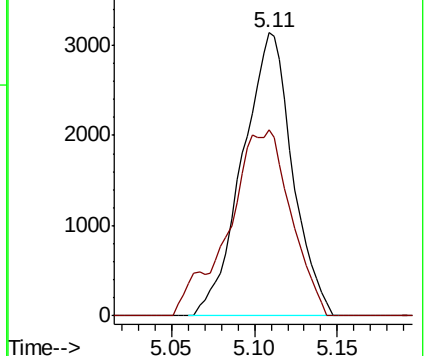
83 100

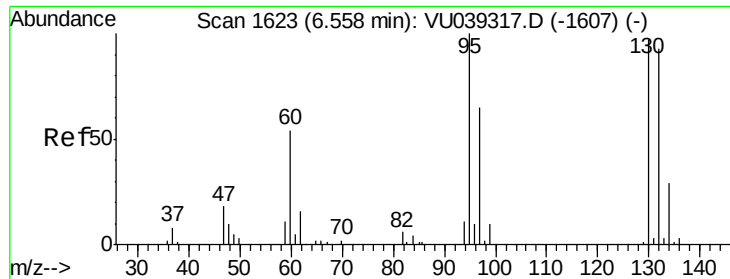
85 65.7 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039335.D (-1156) (-)

Ion 85.00 (84.70 to 85.70): VU039335.D (-1156) (-)





#34

Trichloroethene

Concen: 13.182 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039335.D

Acq: 07 Jul 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

H4285DL

Tot Ion: 95 Resp: 111810

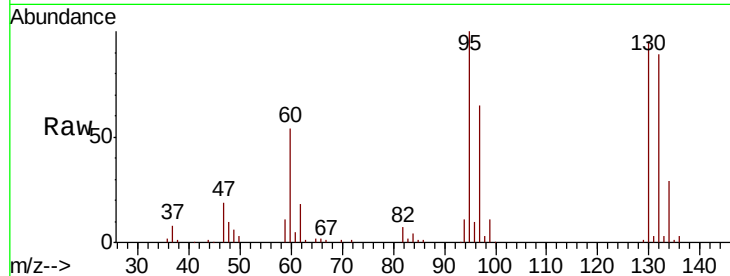
Ion Ratio Lower Upper

95 100

97 64.7 46.3 85.9

132 89.4 64.0 118.8

130 94.9 64.3 119.5

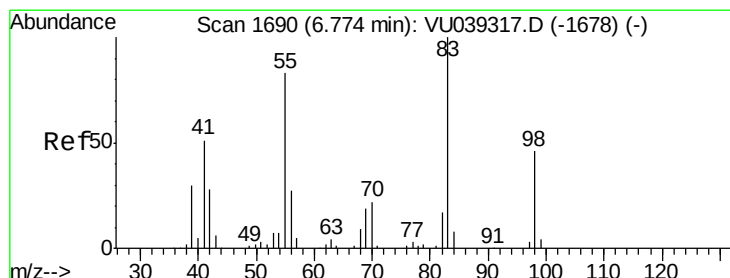
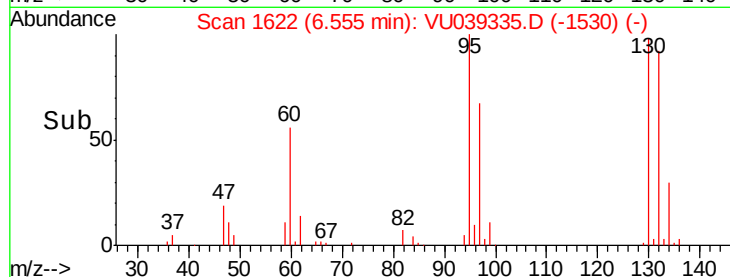
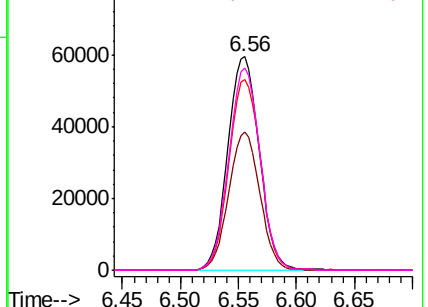


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.886 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039335.D

Acq: 07 Jul 2020 23:24

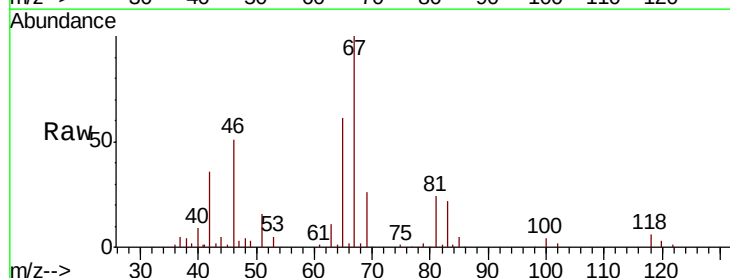
Tgt Ion: 83 Resp: 12040

Ion Ratio Lower Upper

83 100

55 0.4 62.1 93.1#

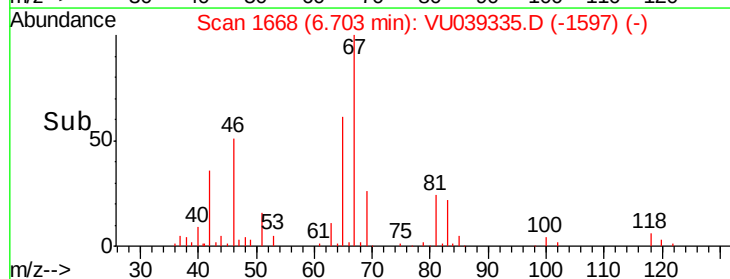
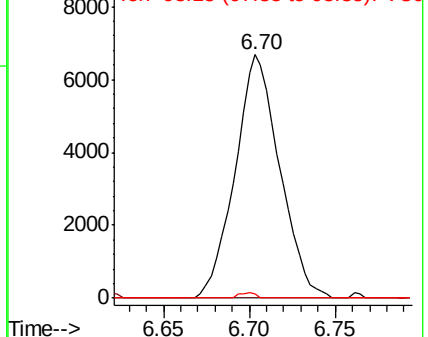
98 0.8 35.9 53.9#

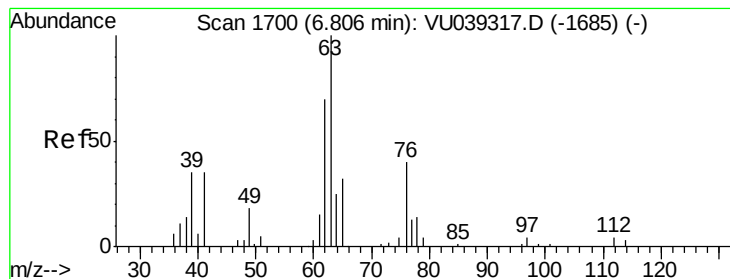


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.721 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039335.D

Acq: 07 Jul 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

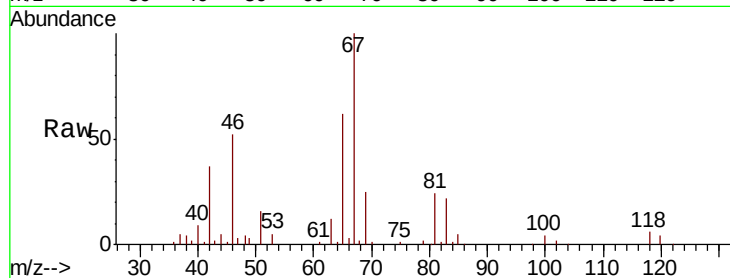
H4285DL

Tot Ion: 63 Resp: 6449

Ion Ratio Lower Upper

63 100

112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU039317.D (-1685) (-)

Ion 112.10 (111.80 to 112.80): VU039317.D (-1685) (-)

6.71

4000

3000

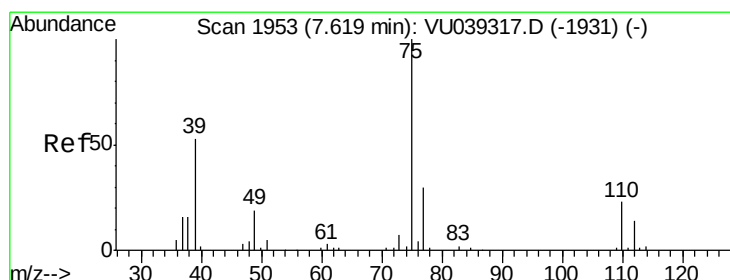
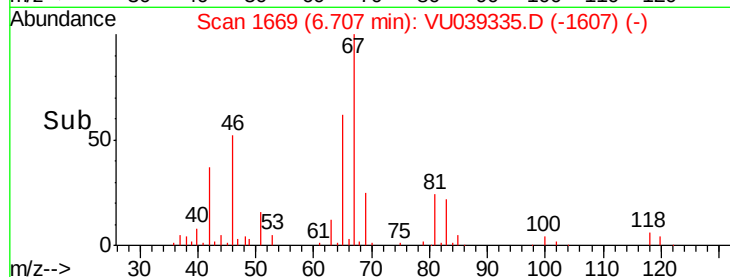
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.143 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039335.D

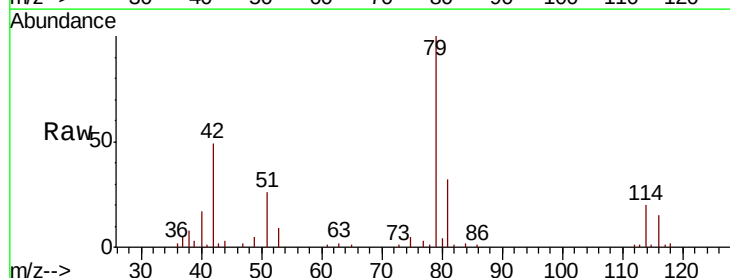
Acq: 07 Jul 2020 23:24

Tgt Ion: 75 Resp: 1934

Ion Ratio Lower Upper

75 100

77 53.1 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039317.D (-1931) (-)

Ion 77.05 (76.75 to 77.75): VU039317.D (-1931) (-)

7.57

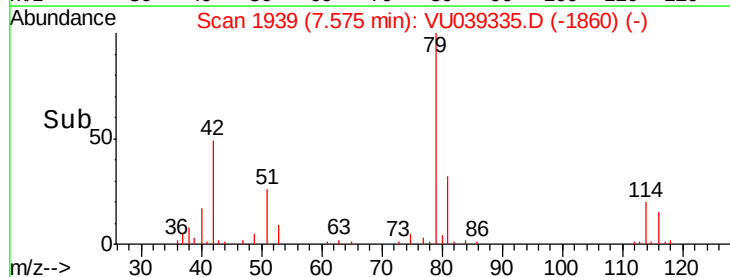
1000

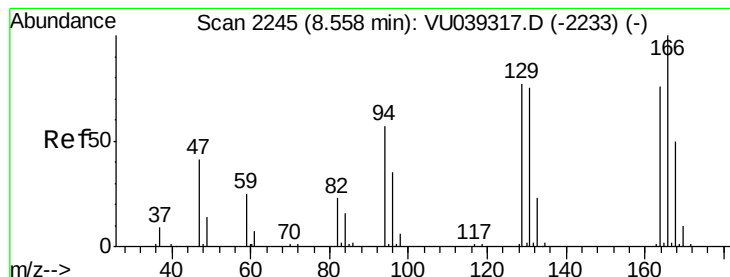
500

0

7.55 7.60

Time-->





#47

Tetrachloroethene

Concen: 0.475 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039335.D

Acq: 07 Jul 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

H4285DL

Tot Ion:164 Resp: 2800

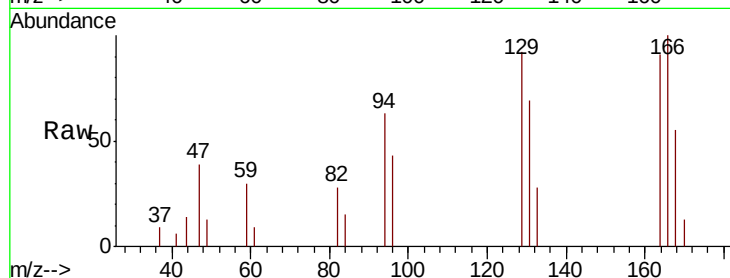
Ion Ratio Lower Upper

164 100

129 100.5 68.6 127.4

131 75.1 66.4 123.4

166 109.6 85.9 159.5

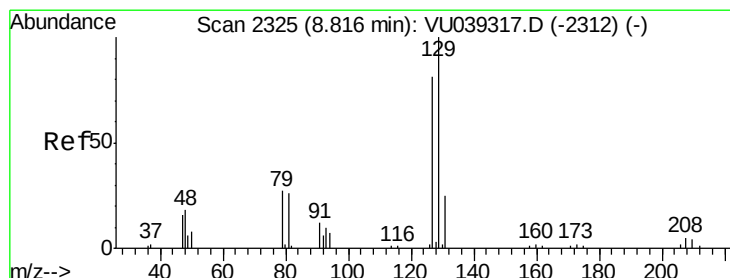
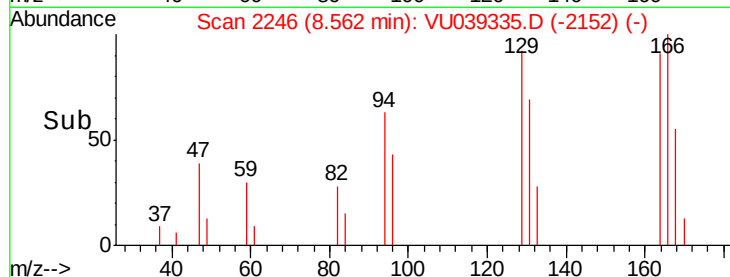
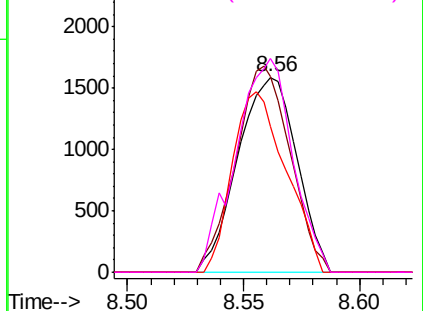


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.353 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039335.D

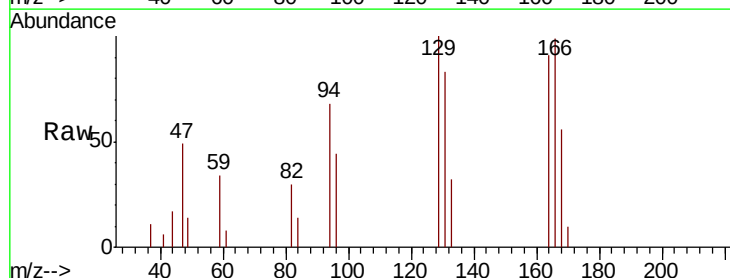
Acq: 07 Jul 2020 23:24

Tgt Ion:129 Resp: 2748

Ion Ratio Lower Upper

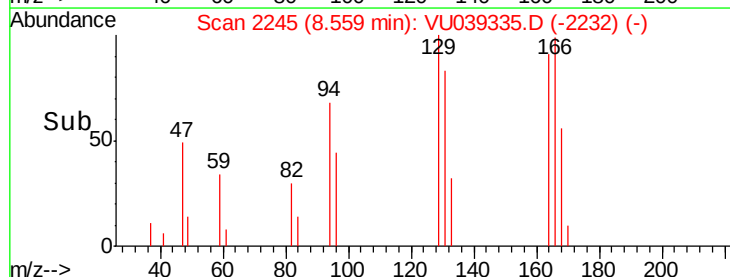
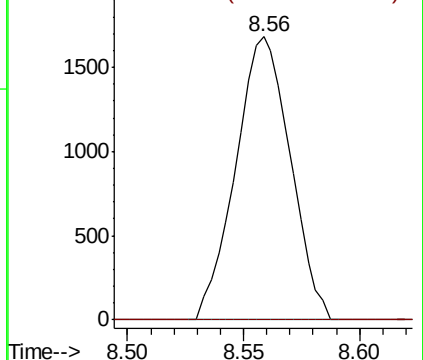
129 100

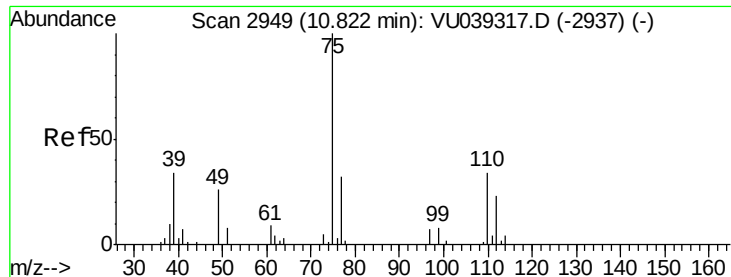
127 0.0 55.4 102.8#



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: 1.267 ug/L

RT: 11.81 min Scan# 3257

Delta R.T. 0.99 min

Lab File: VU039335.D

Acq: 07 Jul 2020 23:24

Instrument :

MSVOA_U

ClientSampleId :

H4285DL

Tot Ion: 75 Resp: 8352

Ion Ratio Lower Upper

75 100

77 38.2 26.8 40.2

