

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\
 Data File : VU038193.D
 Acq On : 15 May 2020 13:21
 Operator : JC/MD
 Sample : L2631-10DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 16 03:32:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 16 03:30:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	339349	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	330504	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	156439	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	114057	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.93	69	116735	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.59	63	153791	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	4.67	46	417233	54.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.96%
24) Chloroform-d	5.10	84	220250	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.74	65	130338	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.76	84	459497	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.72	67	155039	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.92	98	396233	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	8.20	79	54444	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.65	63	338464	55.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	125162	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	150972	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

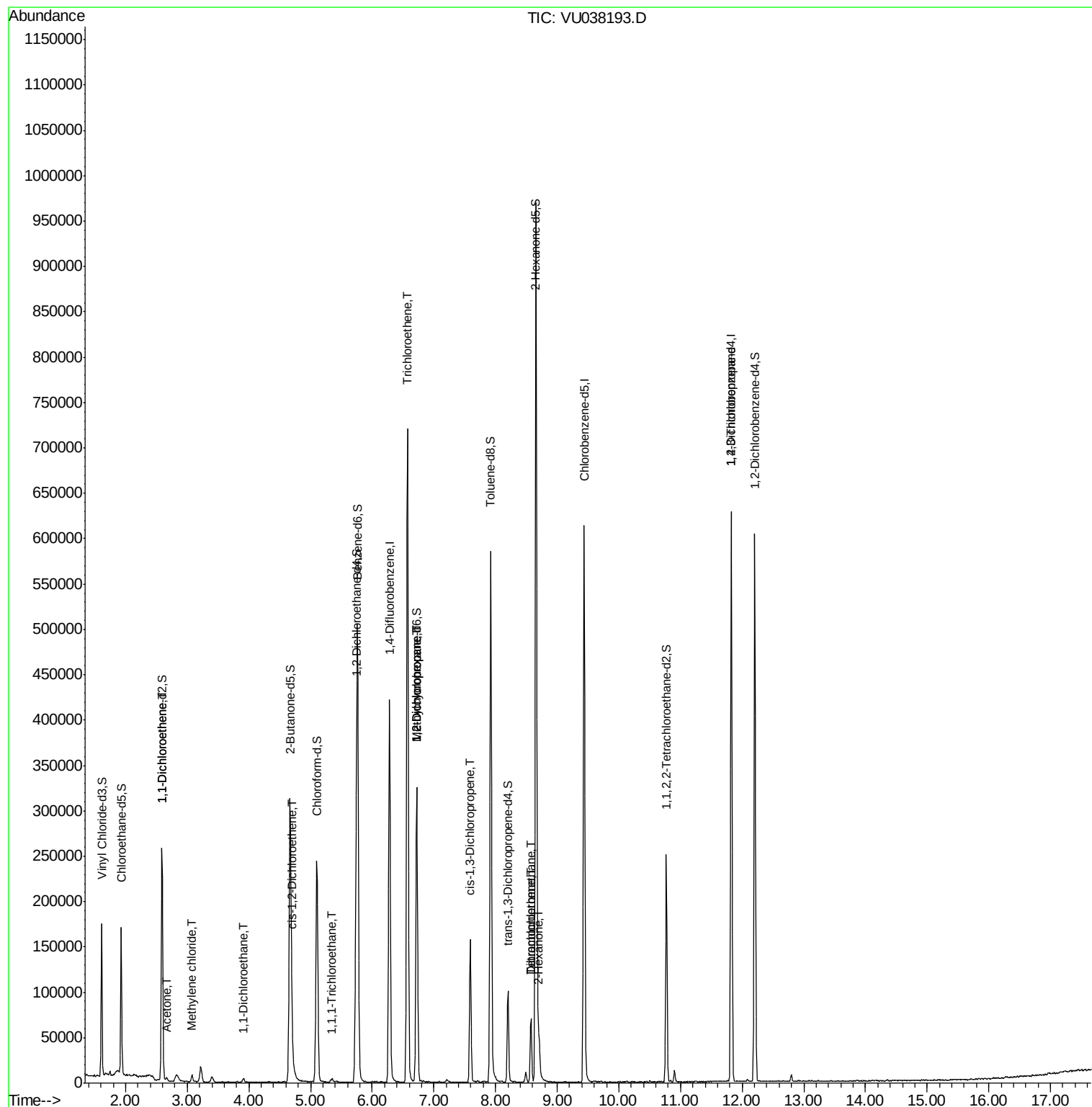
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1836	0.078	ug/L #	1
13) Acetone	2.66	43	5305	1.104	ug/L	98
16) Methylene chloride	3.08	84	2968	0.108	ug/L	98
19) 1,1-Dichloroethane	3.91	63	5231	0.104	ug/L	95
22) cis-1,2-Dichloroethene	4.70	96	4924	0.178	ug/L	93
29) 1,1,1-Trichloroethane	5.36	97	2322	0.061	ug/L #	69
34) Trichloroethene	6.57	95	246521	9.313	ug/L	98
35) Methylcyclohexane	6.72	83	34801	0.812	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	15867	0.552	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3925	0.095	ug/L #	71
47) Tetrachloroethene	8.57	164	15521	0.838	ug/L	95
48) 2-Hexanone	8.71	43	25724	1.763	ug/L	94
49) Dibromochloromethane	8.57	129	15406	0.744	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	21491	1.114	ug/L	91

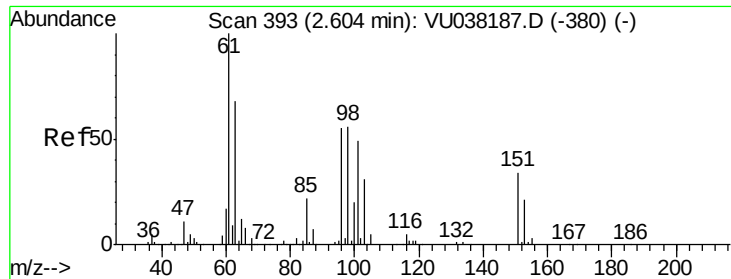
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 16 03:30:00 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.078 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

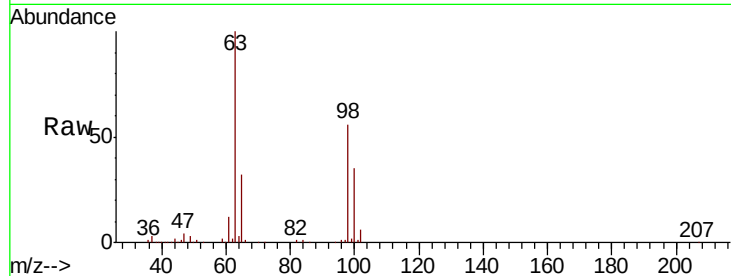
Tot Ion: 96 Resp: 1836

Ion Ratio Lower Upper

96 100

61 1223.5 126.2 234.4#

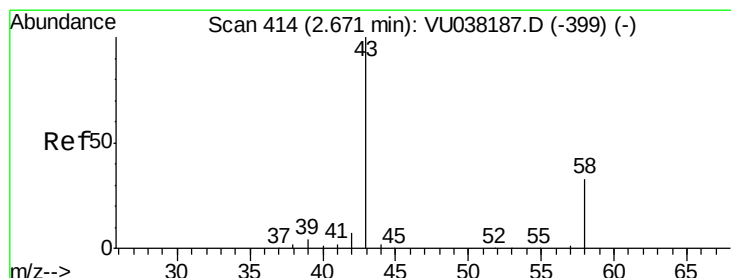
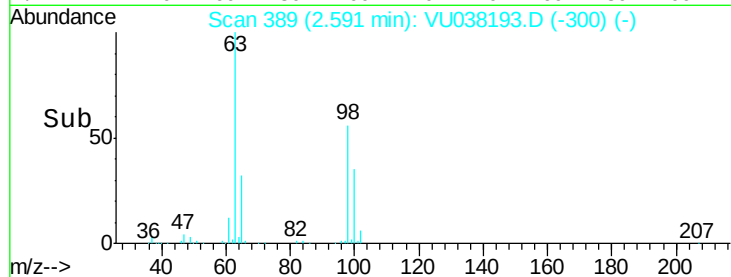
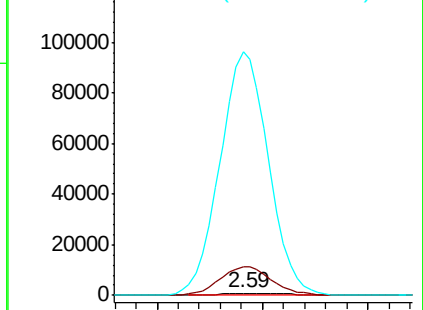
63 10463.5 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038193.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU038193.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU038193.D (-300) (-)



#13

Acetone

Concen: 1.104 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU038193.D

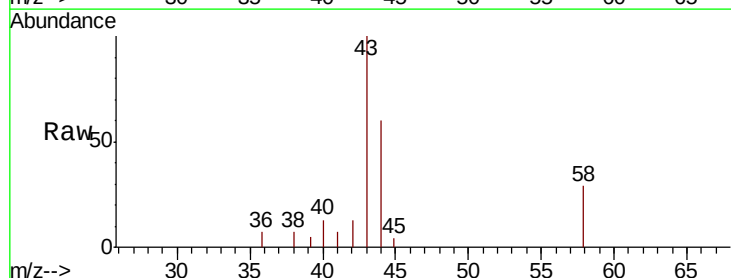
Acq: 15 May 2020 13:21

Tgt Ion: 43 Resp: 5305

Ion Ratio Lower Upper

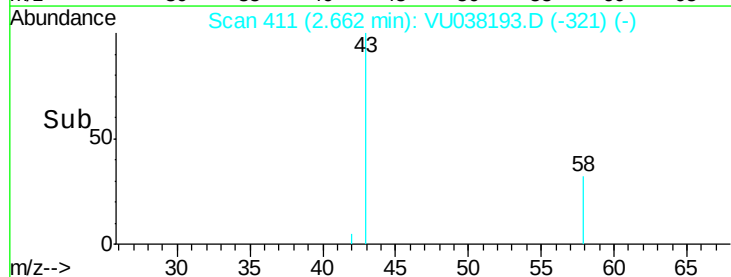
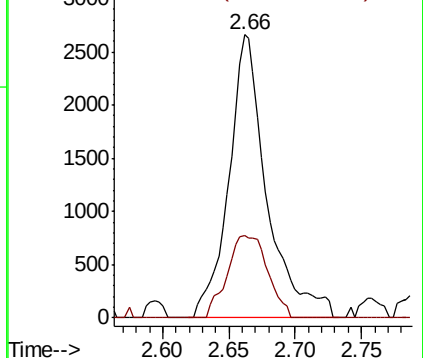
43 100

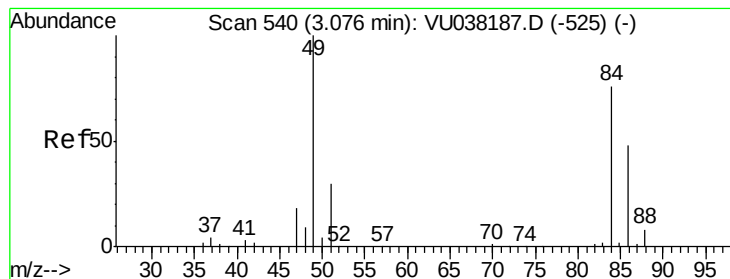
58 31.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038193.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU038193.D (-321) (-)





#16

Methylene chloride

Concen: 0.108 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

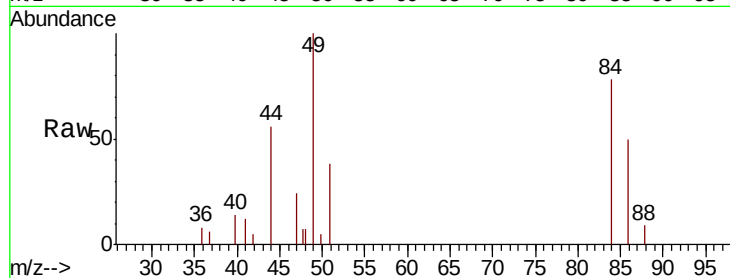
Tot Ion: 84 Resp: 2968

Ion Ratio Lower Upper

84 100

86 64.0 44.9 83.3

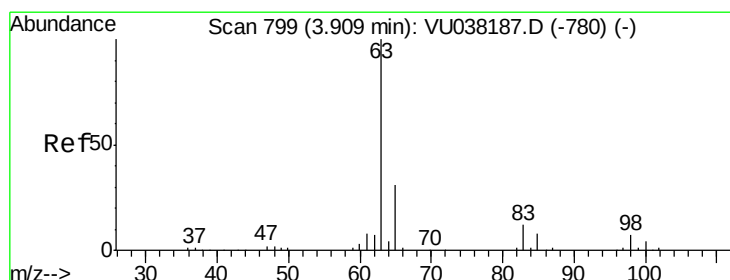
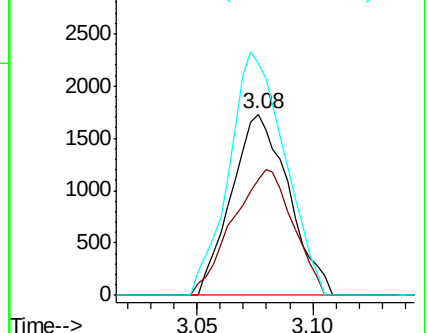
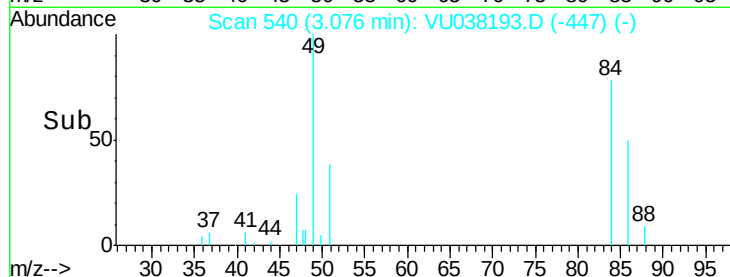
49 134.2 92.0 170.9



Abundance Ion 84.05 (83.75 to 84.75): VU038193.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU038193.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU038193.D (-447) (-)



#19

1,1-Dichloroethane

Concen: 0.104 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

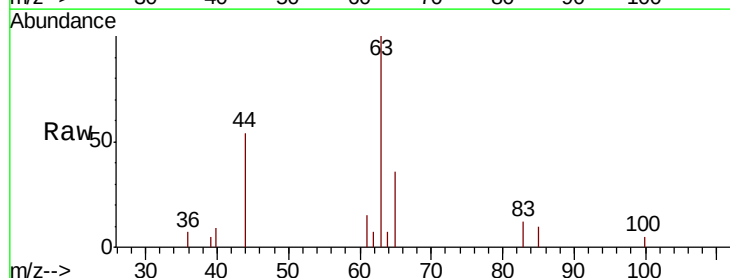
Tgt Ion: 63 Resp: 5231

Ion Ratio Lower Upper

63 100

65 36.2 22.5 41.7

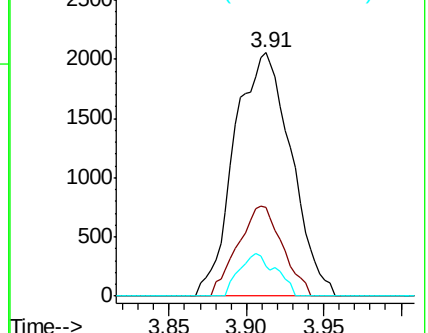
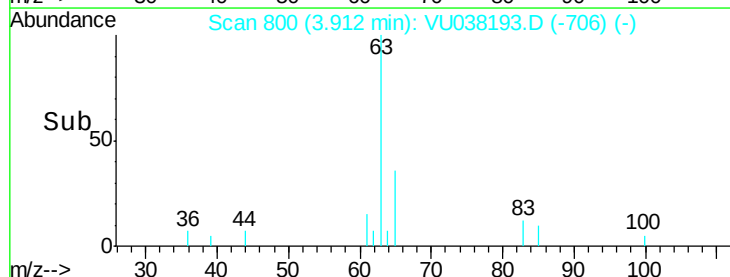
83 12.5 8.9 16.5

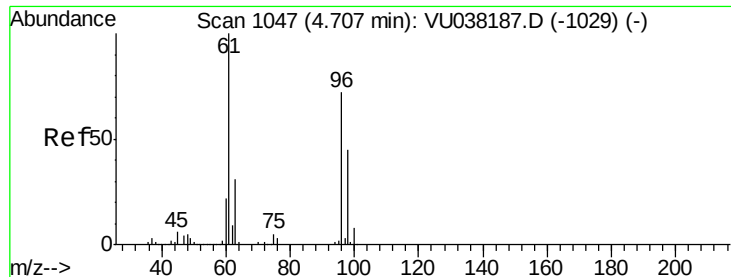


Abundance Ion 63.10 (62.80 to 63.80): VU038193.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038193.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038193.D (-706) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.178 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

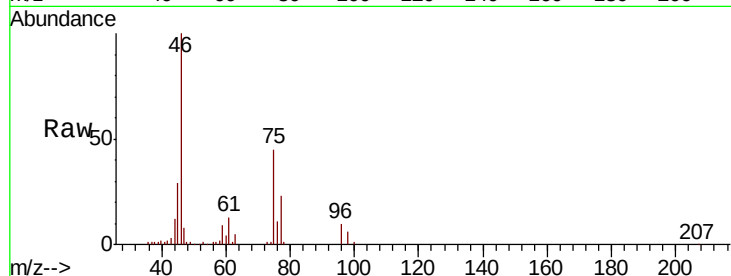
Tot Ion: 96 Resp: 4924

Ion Ratio Lower Upper

96 100

61 127.7 95.3 176.9

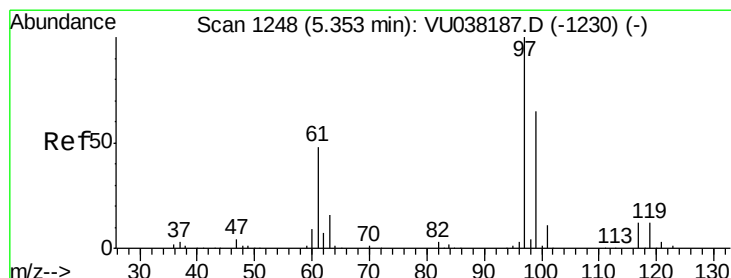
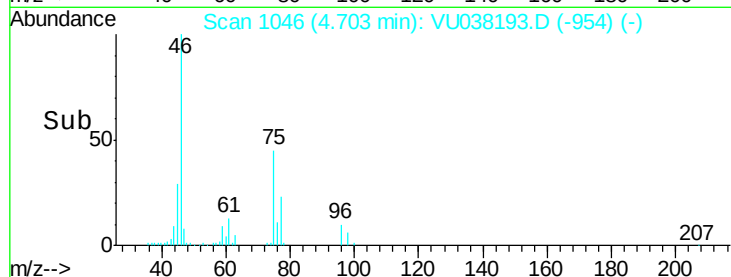
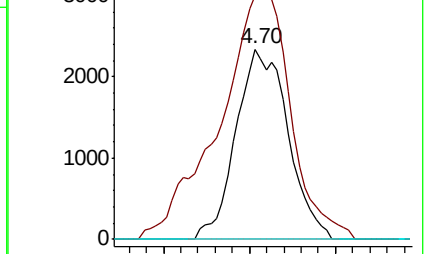
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038193.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038193.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038193.D (-954) (-)



#29

1,1,1-Trichloroethane

Concen: 0.061 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

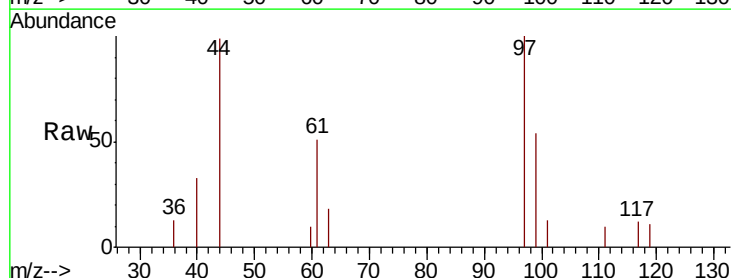
Tgt Ion: 97 Resp: 2322

Ion Ratio Lower Upper

97 100

99 31.7 51.0 76.4#

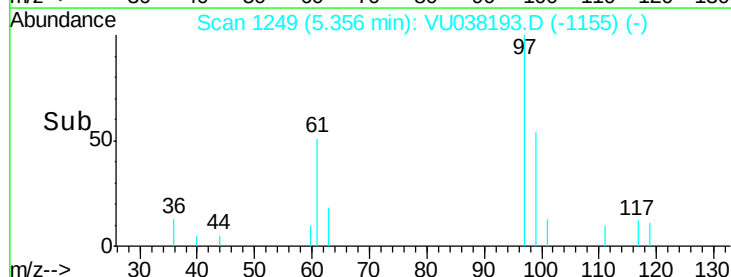
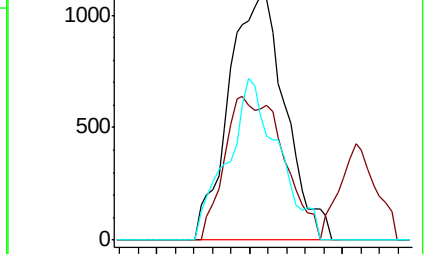
61 59.1 38.2 57.4#

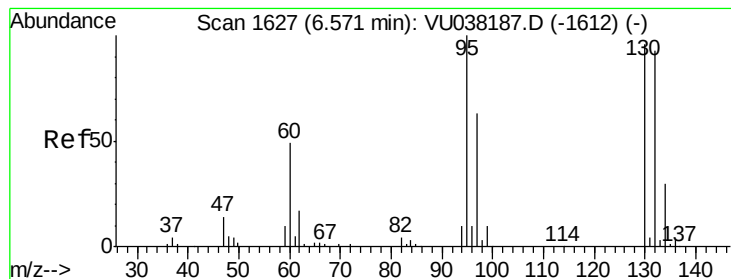


Abundance Ion 96.95 (96.65 to 97.65): VU038193.D (-1155) (-)

Ion 99.05 (98.75 to 99.75): VU038193.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU038193.D (-1155) (-)





#34

Trichloroethene

Concen: 9.313 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 246521

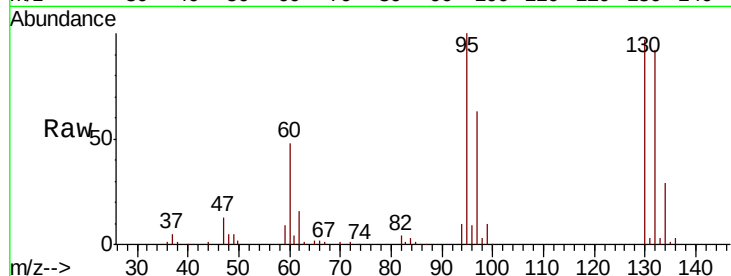
Ion Ratio Lower Upper

95 100

97 63.3 44.9 83.3

132 91.9 63.3 117.5

130 96.9 65.7 122.1

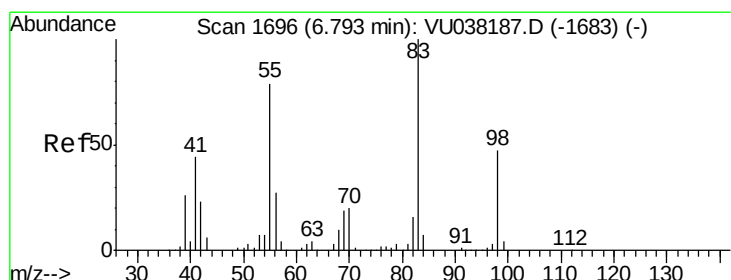
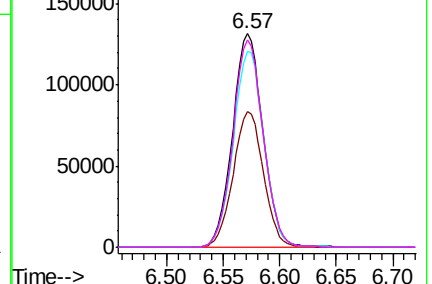
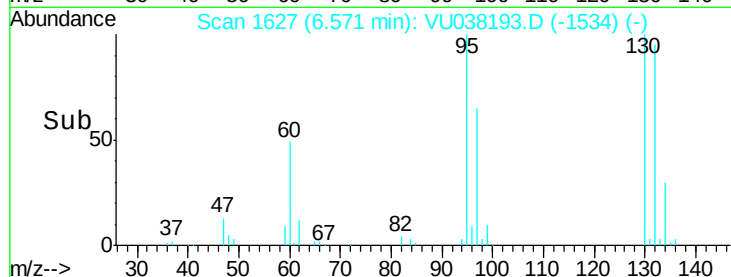


Abundance Ion 95.00 (94.70 to 95.70): VU038193.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038193.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038193.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038193.D (-1534) (-)



#35

Methylcyclohexane

Concen: 0.812 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

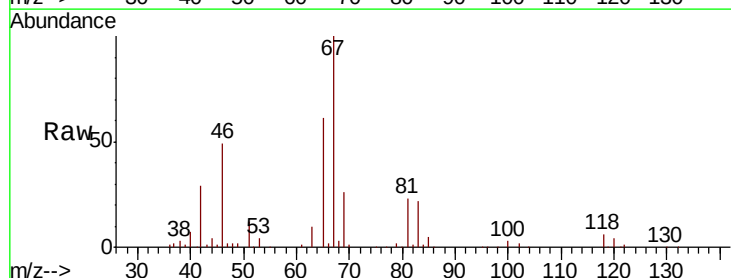
Tgt Ion: 83 Resp: 34801

Ion Ratio Lower Upper

83 100

55 0.5 66.7 100.1#

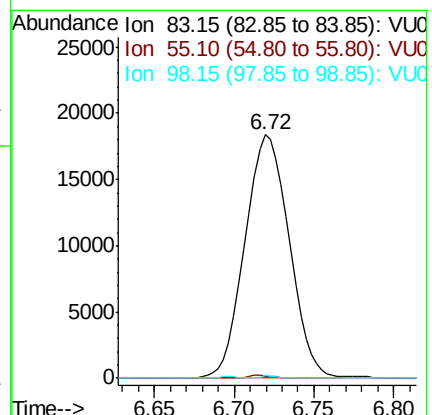
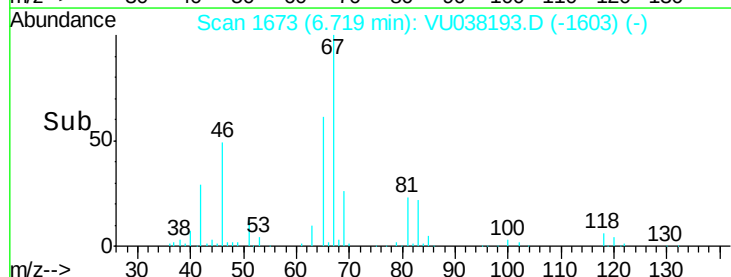
98 0.0 39.4 59.2#

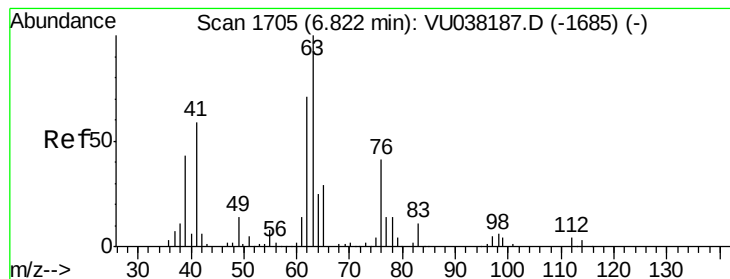


Abundance Ion 83.15 (82.85 to 83.85): VU038193.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU038193.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU038193.D (-1603) (-)





#37

1,2-Dichloropropane

Concen: 0.552 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

Instrument :

MSVOA_U

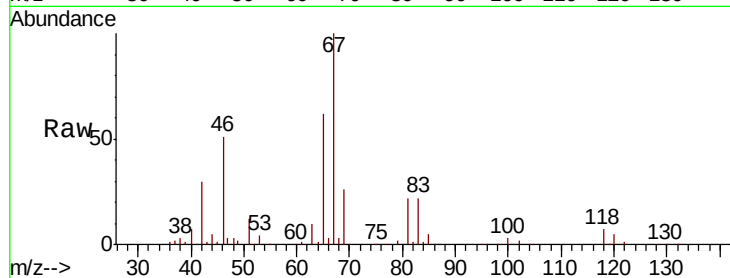
ClientSampleId :

Tot Ion: 63 Resp: 15867

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU038187.D (-1685) (-)

Ion 112.10 (111.80 to 112.80): VU038187.D (-1685) (-)

6.72

8000

6000

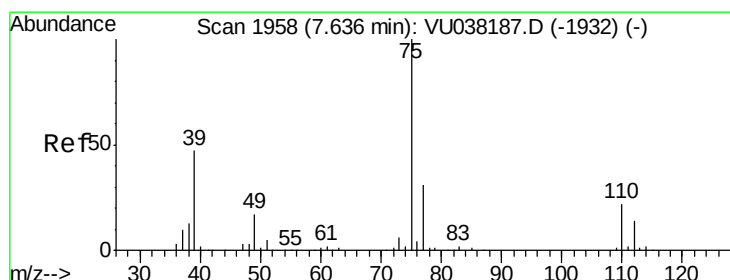
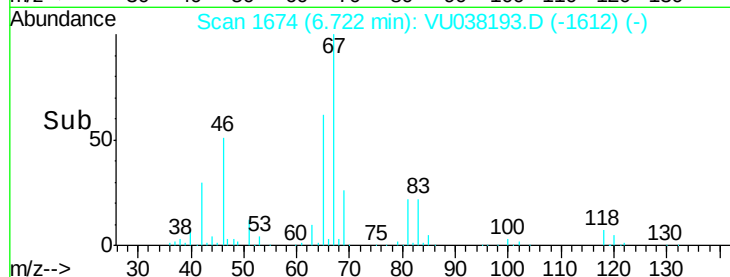
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU038193.D

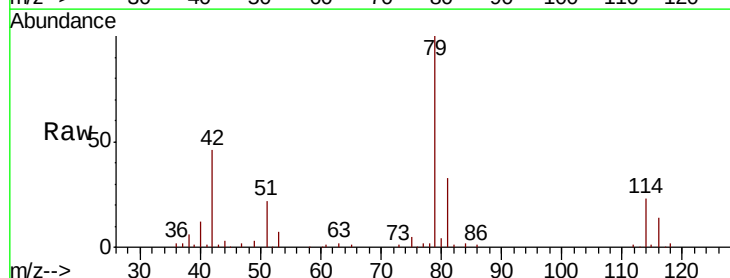
Acq: 15 May 2020 13:21

Tgt Ion: 75 Resp: 3925

Ion Ratio Lower Upper

75 100

77 48.1 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU038187.D (-1932) (-)

Ion 77.05 (76.75 to 77.75): VU038187.D (-1932) (-)

7.59

2500

2000

1500

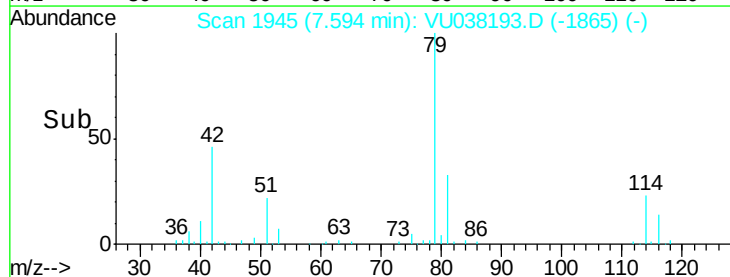
1000

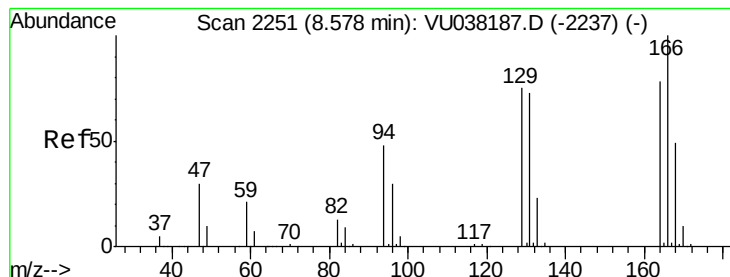
500

0

7.55 7.60 7.65

Time-->





#47

Tetrachloroethene

Concen: 0.838 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 15521

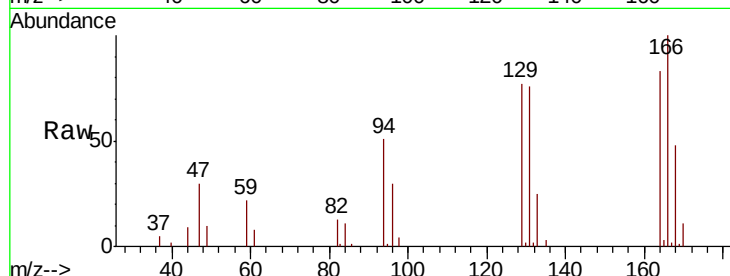
Ion Ratio Lower Upper

164 100

129 92.9 68.8 127.8

131 91.2 66.8 124.2

166 120.7 88.9 165.1

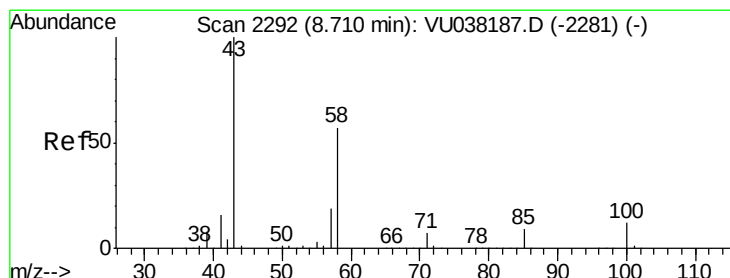
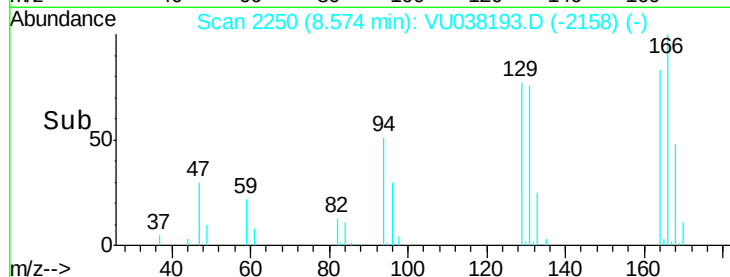
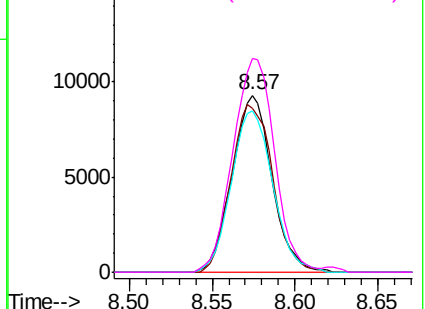


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.763 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

Tgt Ion: 43 Resp: 25724

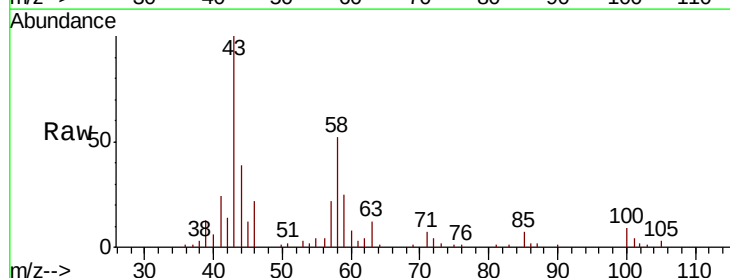
Ion Ratio Lower Upper

43 100

58 50.7 45.2 67.8

57 19.0 15.5 23.3

100 10.1 9.5 14.3

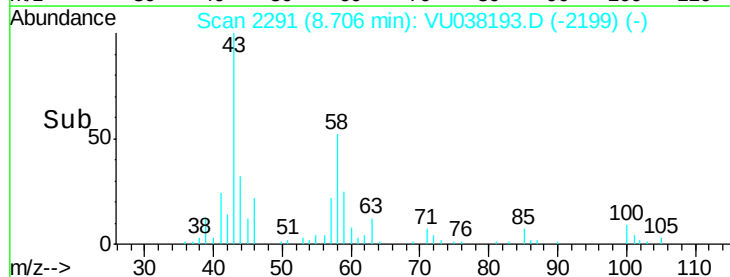
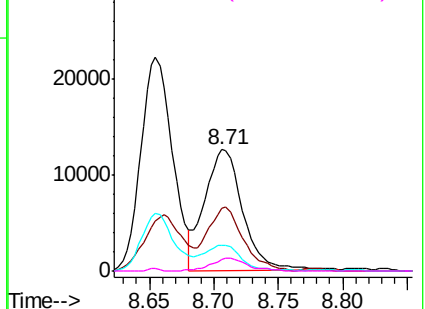


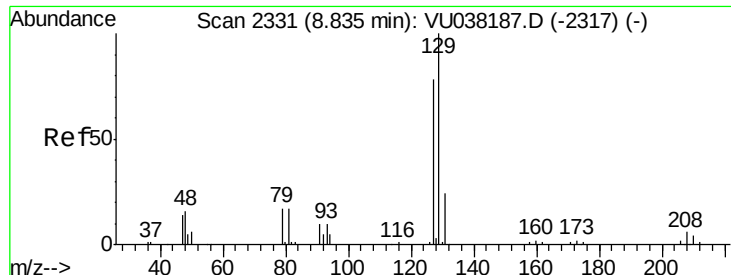
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.744 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU038193.D

Acq: 15 May 2020 13:21

Instrument :

MSVOA_U

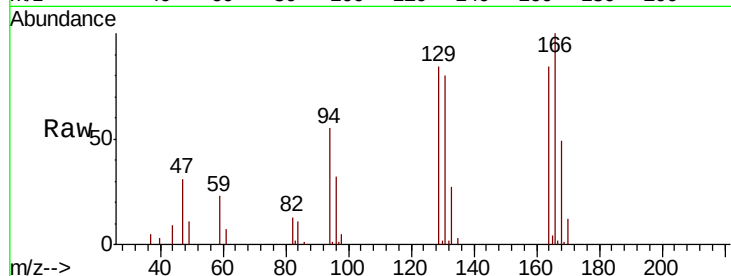
ClientSampleId :

Tot Ion:129 Resp: 15406

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

10000

8000

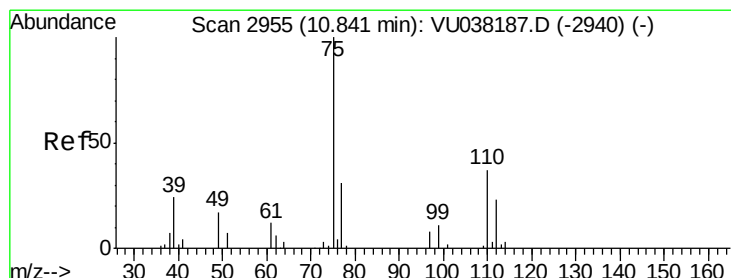
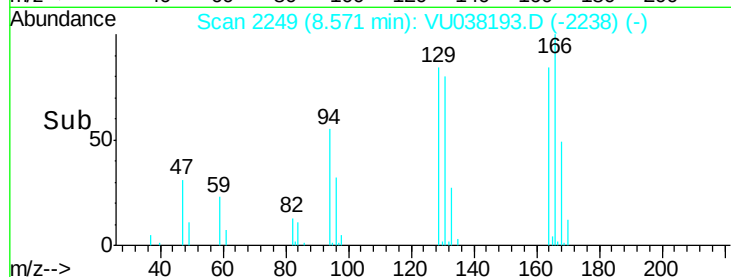
6000

4000

2000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.114 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038193.D

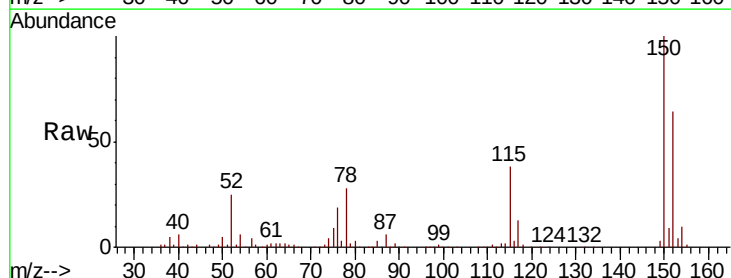
Acq: 15 May 2020 13:21

Tgt Ion: 75 Resp: 21491

Ion Ratio Lower Upper

75 100

77 36.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

15000

10000

5000

0

Time-->

