

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
 Data File : VU038480.D
 Acq On : 01 Jun 2020 18:46
 Operator : JC/MD
 Sample : L2789-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 02 05:31:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 05:25:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	286698	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	283153	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	133346	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	73917	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.93	69	71732	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.59	63	119313	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.68	46	352296	62.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.00%
24) Chloroform-d	5.10	84	194689	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	5.74	65	111827	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.00%
32) Benzene-d6	5.76	84	370936	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.72	67	115801	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.92	98	302715	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	8.20	79	44920	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.65	63	301287	65.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.52%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	105245	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	126896	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

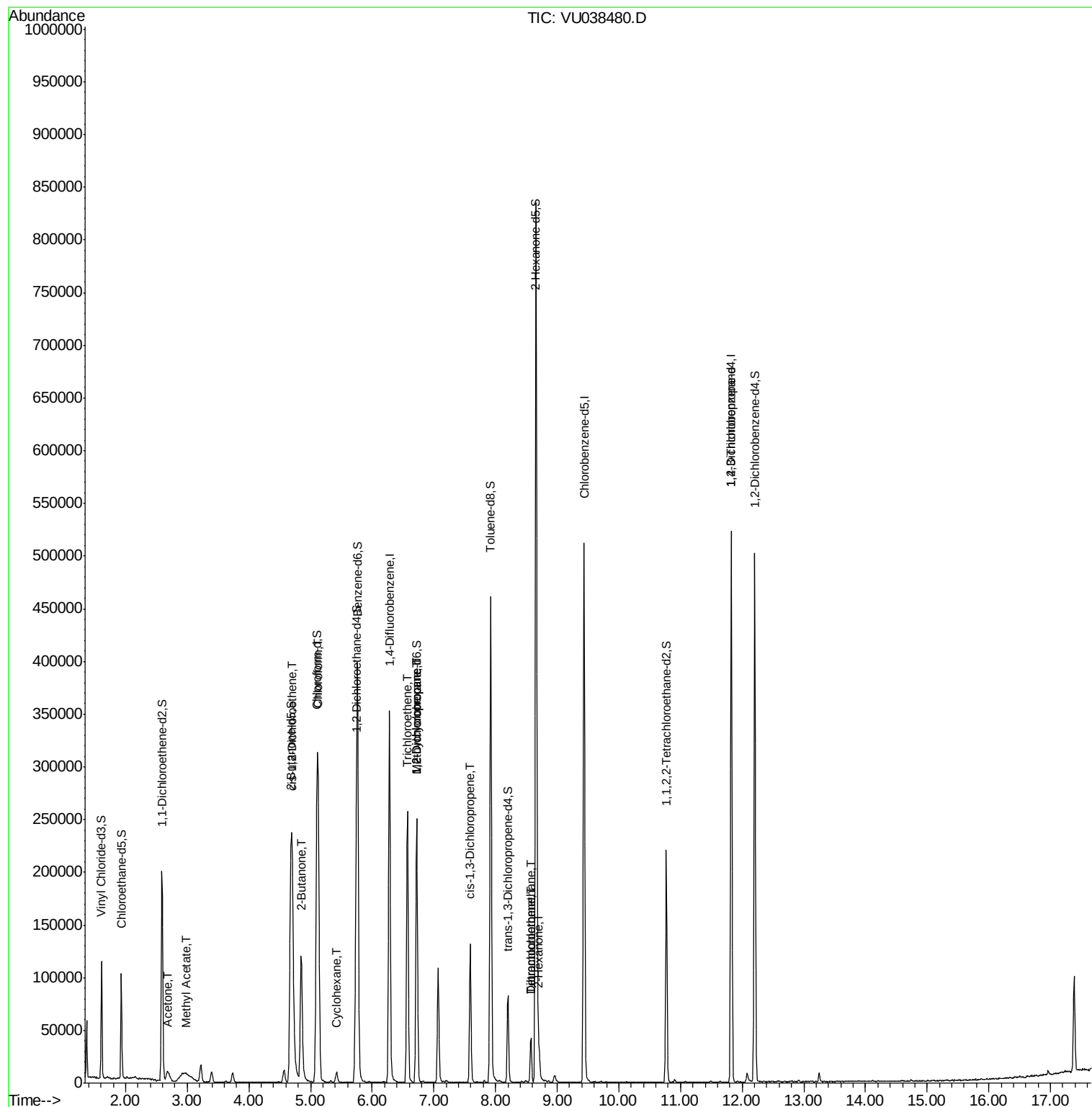
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.68	43	21560	5.845	ug/L	99
15) Methyl Acetate	2.98	43	1737	0.192	ug/L #	56
21) 2-Butanone	4.85	43	171597	27.656	ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	48851	2.384	ug/L	97
25) Chloroform	5.12	83	184848	5.344	ug/L	98
30) Cyclohexane	5.43	56	4722	0.150	ug/L #	90
34) Trichloroethene	6.57	95	87331	4.261	ug/L	96
35) Methylcyclohexane	6.72	83	27635	0.871	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	12913	0.650	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3271	0.111	ug/L #	66
47) Tetrachloroethene	8.57	164	9589	0.644	ug/L	96
48) 2-Hexanone	8.71	43	12554	1.167	ug/L	93
49) Dibromochloromethane	8.57	129	9312	0.576	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	16267	1.097	ug/L #	87

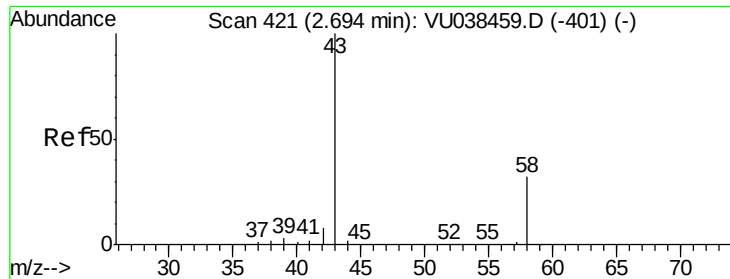
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 02 05:25:28 2020
Response via : Initial Calibration





#13

Acetone

Concen: 5.845 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.01 min

Lab File: VU038480.D

Acq: 01 Jun 2020 18:46

Instrument :

MSVOA_U

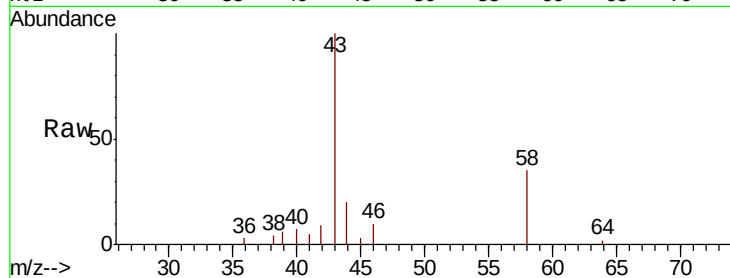
ClientSampleId :

Tot Ion: 43 Resp: 21560

Ion Ratio Lower Upper

43 100

58 32.5 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038480.D (-328) (-)

Ion 58.05 (57.75 to 58.75): VU038480.D (-328) (-)

2.68

6000

5000

4000

3000

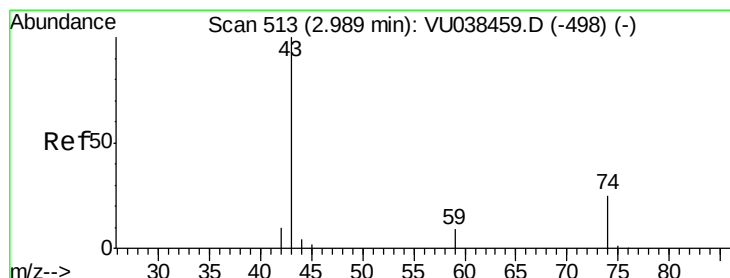
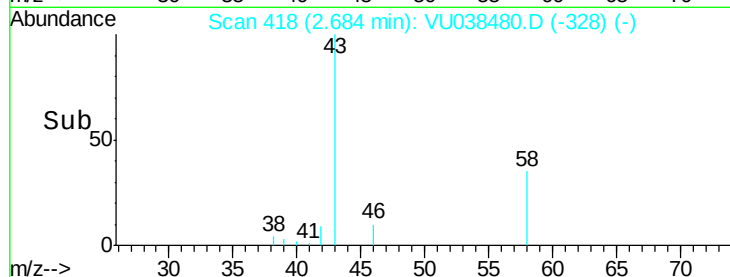
2000

1000

0

2.60 2.65 2.70 2.75 2.80

Time-->



#15

Methyl Acetate

Concen: 0.192 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.01 min

Lab File: VU038480.D

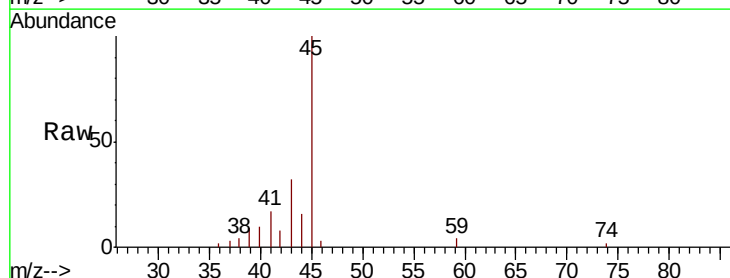
Acq: 01 Jun 2020 18:46

Tgt Ion: 43 Resp: 1737

Ion Ratio Lower Upper

43 100

74 2.5 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038480.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VU038480.D (-420) (-)

2.98

1500

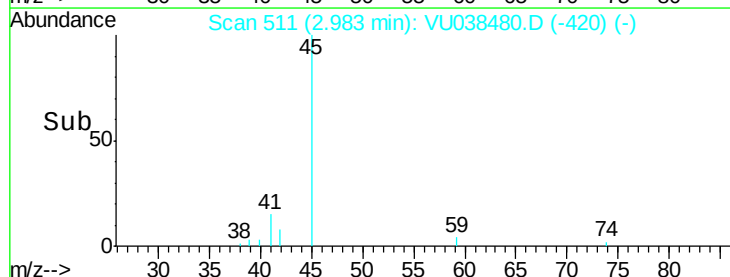
1000

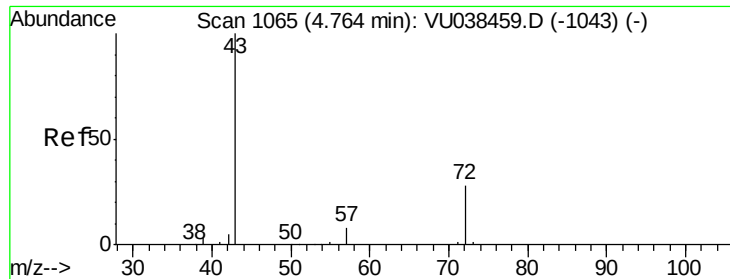
500

0

2.95 3.00 3.05

Time-->





#21

2-Butanone

Concen: 27.656 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.08 min

Lab File: VU038480.D

Acq: 01 Jun 2020 18:46

Instrument :

MSVOA_U

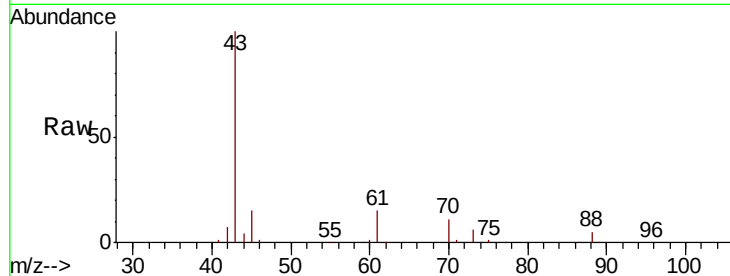
ClientSampleId :

Tot Ion: 43 Resp: 171597

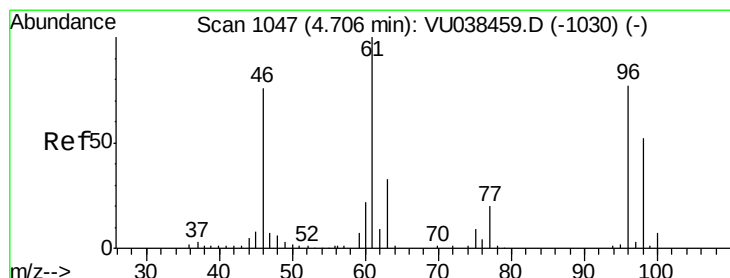
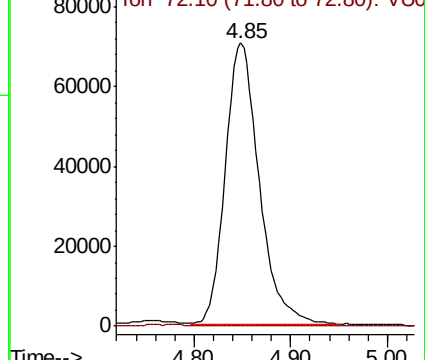
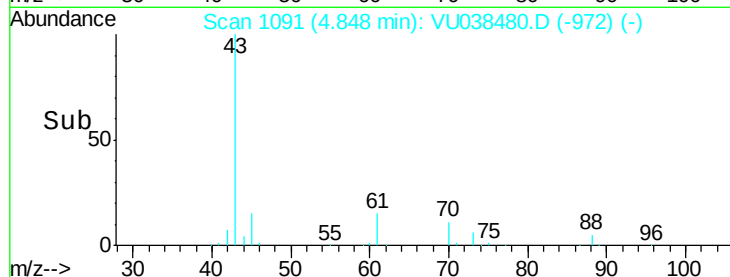
Ion Ratio Lower Upper

43 100

72 0.1 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038480.D (-972) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.384 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038480.D

Acq: 01 Jun 2020 18:46

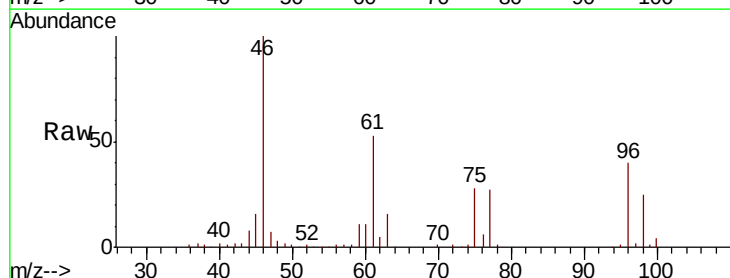
Tgt Ion: 96 Resp: 48851

Ion Ratio Lower Upper

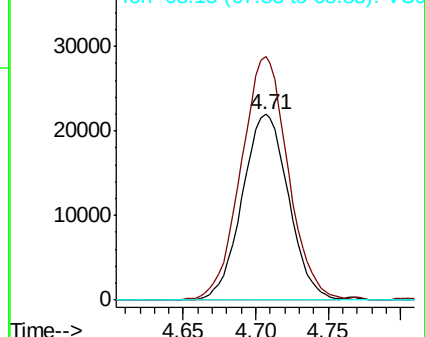
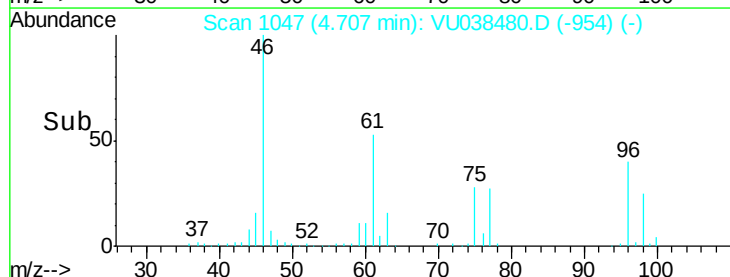
96 100

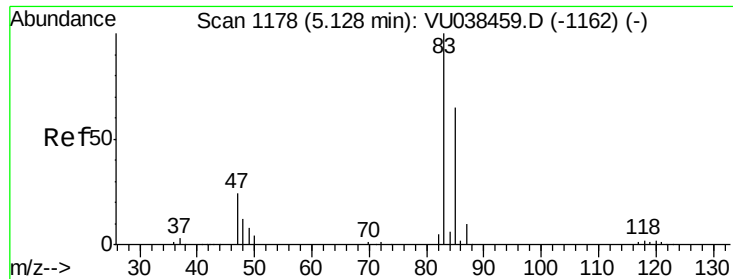
61 131.0 94.0 174.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038480.D (-954) (-)

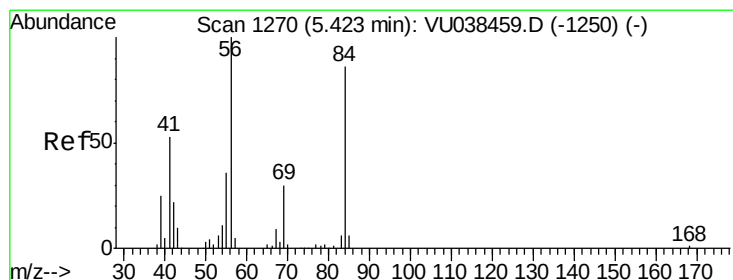
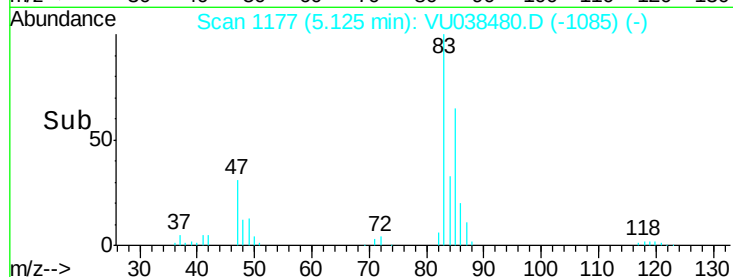
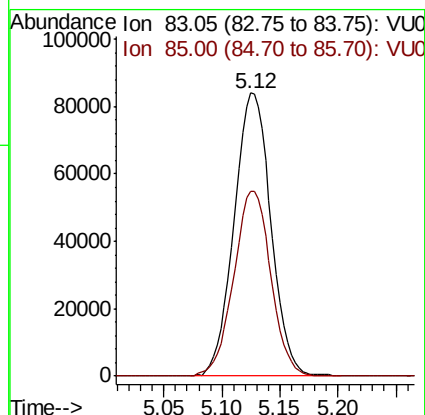
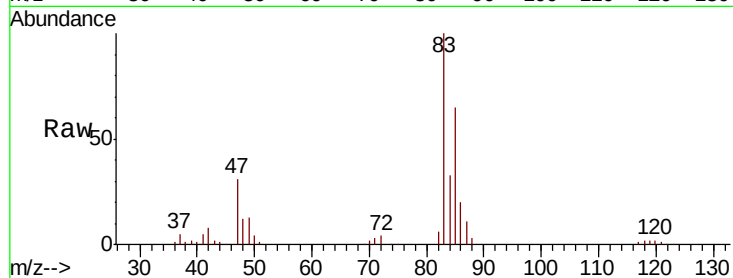




#25
Chloroform
Concen: 5.344 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038480.D
Acq: 01 Jun 2020 18:46

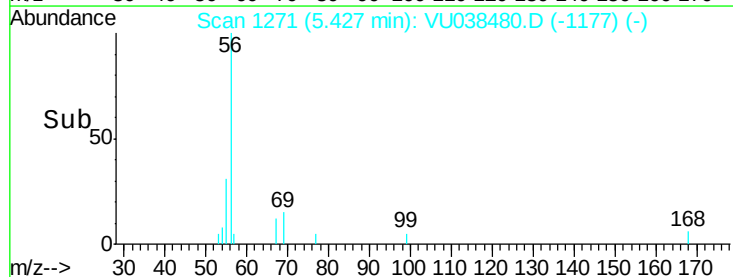
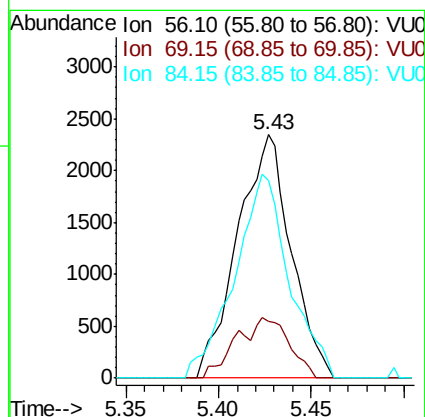
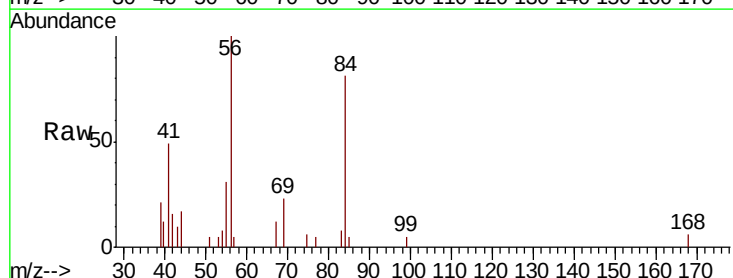
Instrument :
MSVOA_U
ClientSampleId :

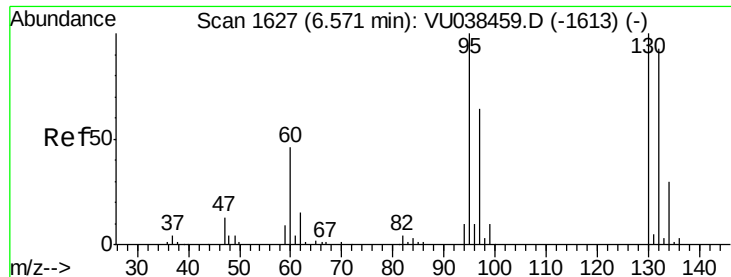
Tot Ion: 83 Resp: 184848
Ion Ratio Lower Upper
83 100
85 65.4 44.9 83.5



#30
Cyclohexane
Concen: 0.150 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU038480.D
Acq: 01 Jun 2020 18:46

Tgt Ion: 56 Resp: 4722
Ion Ratio Lower Upper
56 100
69 15.6 24.2 36.4#
84 85.0 70.8 106.2

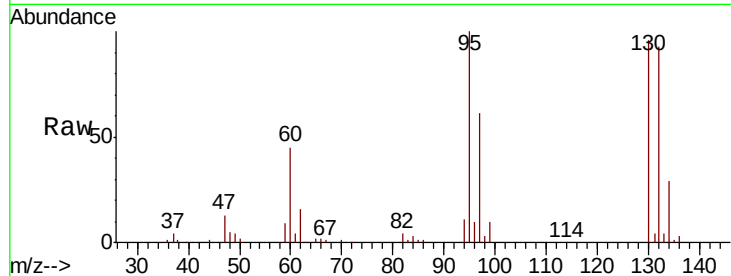




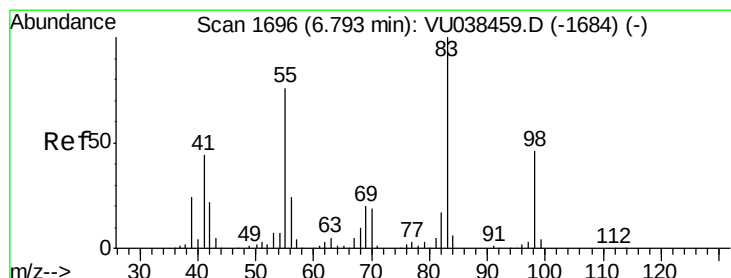
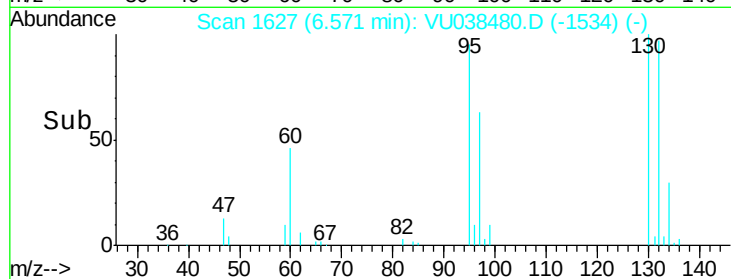
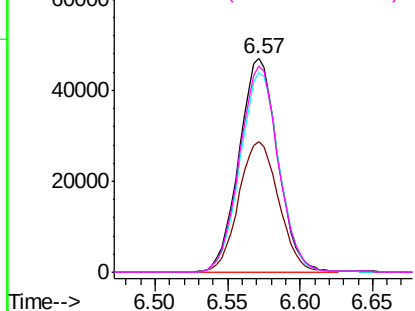
#34
 Trichloroethene
 Concen: 4.261 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038480.D
 Acq: 01 Jun 2020 18:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 87331
 Ion Ratio Lower Upper
 95 100
 97 61.0 46.8 87.0
 132 93.5 66.1 122.7
 130 96.4 70.0 130.0

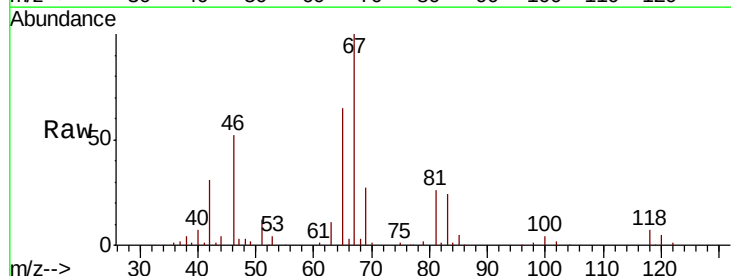


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

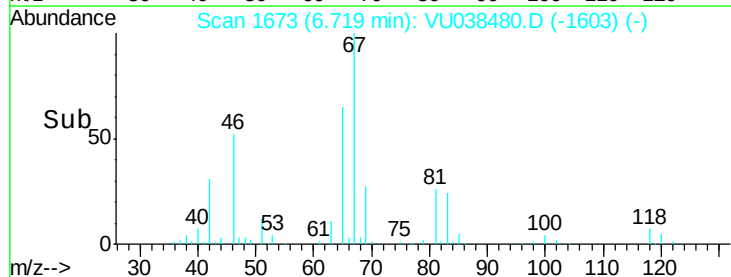
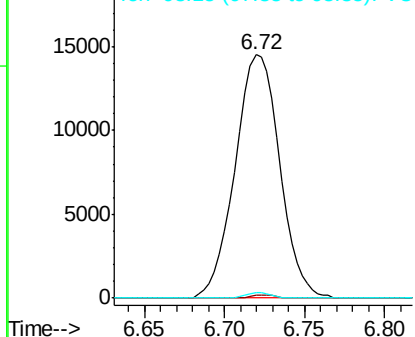


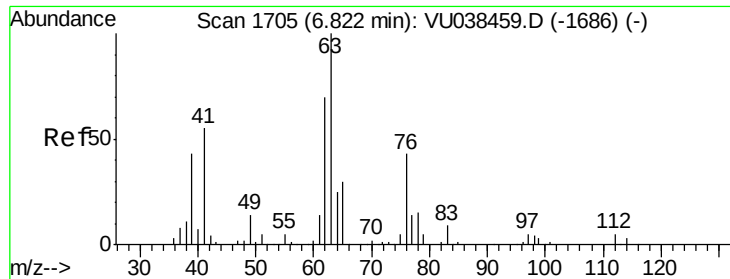
#35
 Methylcyclohexane
 Concen: 0.871 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.07 min
 Lab File: VU038480.D
 Acq: 01 Jun 2020 18:46

Tgt Ion: 83 Resp: 27635
 Ion Ratio Lower Upper
 83 100
 55 0.6 63.4 95.2#
 98 1.3 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

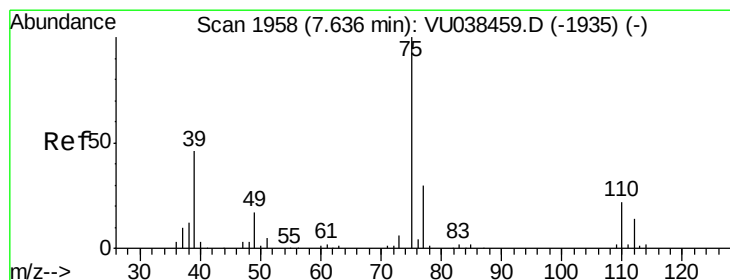
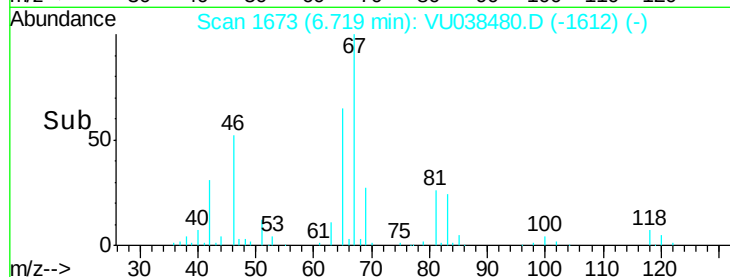
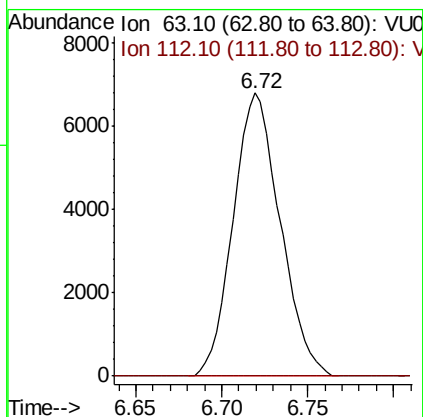
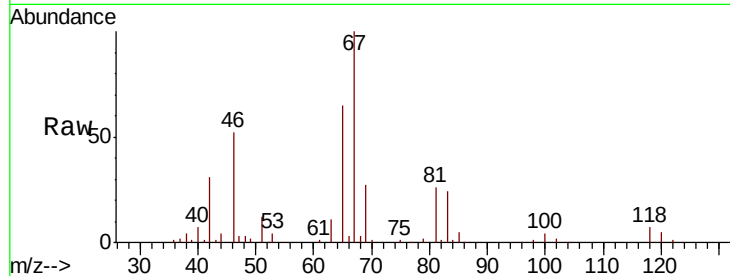




#37
 1,2-Dichloropropane
 Concen: 0.650 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038480.D
 Acq: 01 Jun 2020 18:46

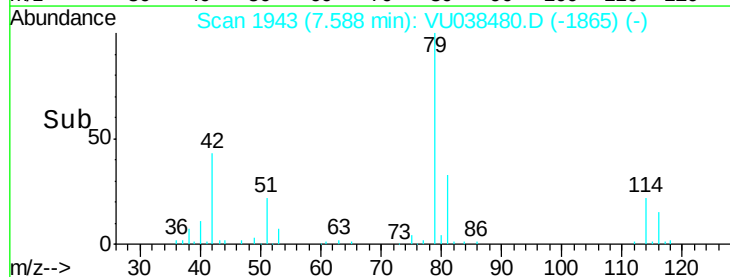
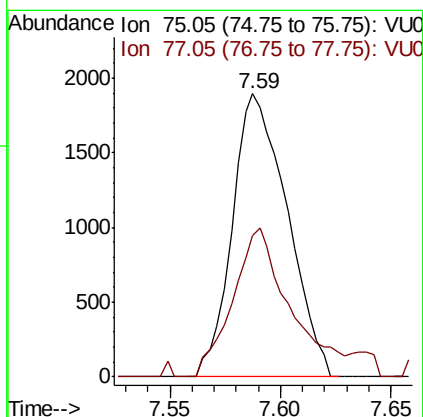
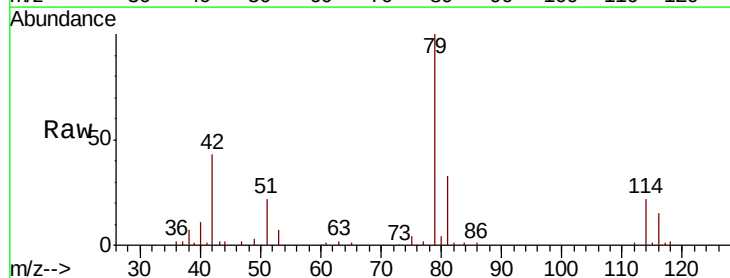
Instrument :
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 ClientSampleId :

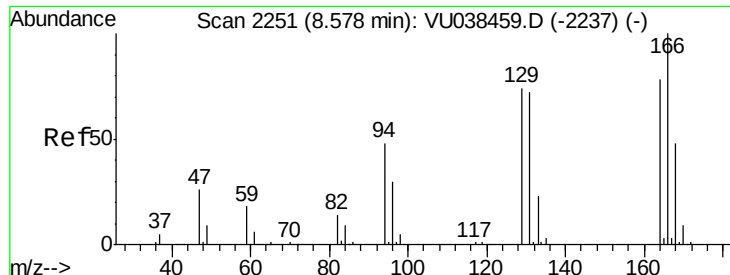
Tot Ion: 63 Resp: 12913
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038480.D
 Acq: 01 Jun 2020 18:46

Tgt Ion: 75 Resp: 3271
 Ion Ratio Lower Upper
 75 100
 77 50.0 21.9 40.7#

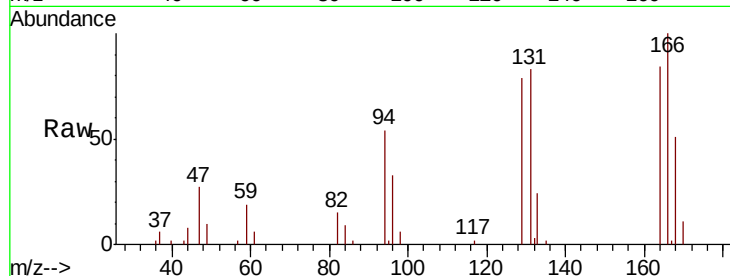




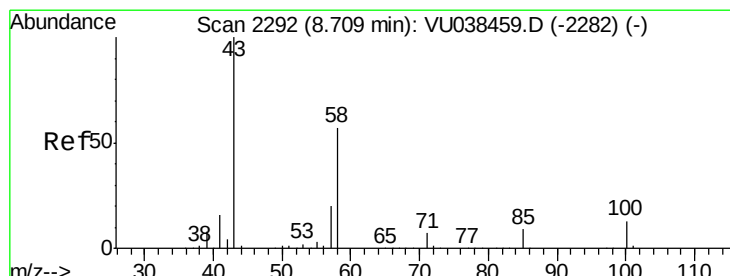
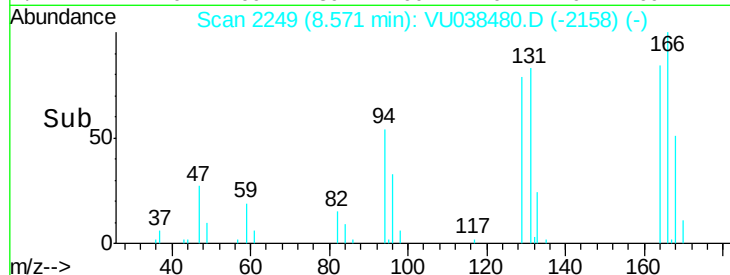
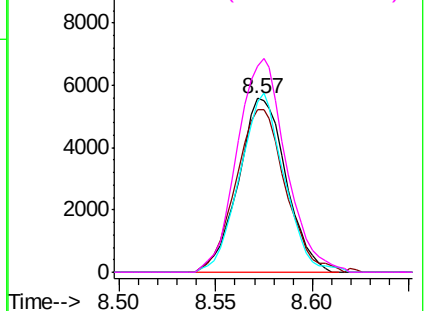
#47
Tetrachloroethene
Concen: 0.644 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.01 min
Lab File: VU038480.D
Acq: 01 Jun 2020 18:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 9589
Ion Ratio Lower Upper
164 100
129 93.5 67.4 125.2
131 98.3 64.1 119.1
166 118.5 85.7 159.1

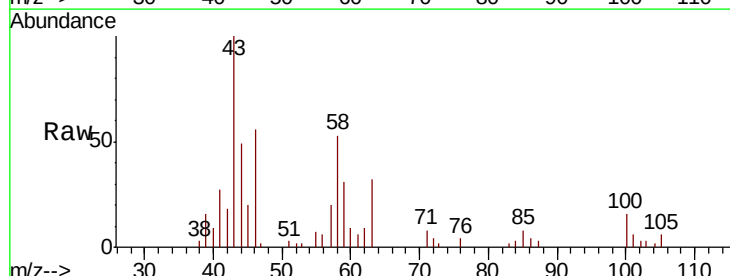


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

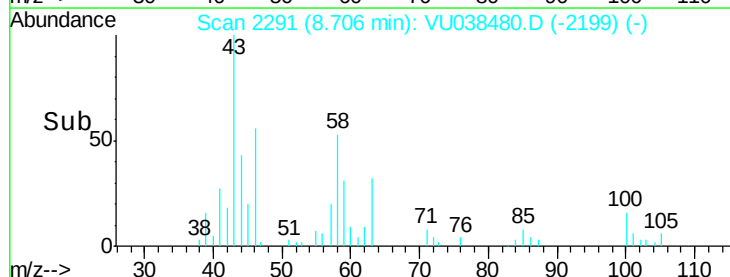
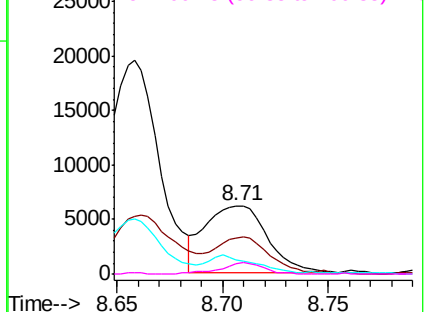


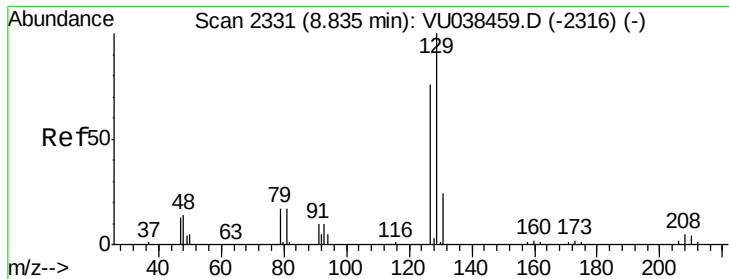
#48
2-Hexanone
Concen: 1.167 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038480.D
Acq: 01 Jun 2020 18:46

Tgt Ion: 43 Resp: 12554
Ion Ratio Lower Upper
43 100
58 49.4 45.4 68.0
57 19.6 15.9 23.9
100 11.9 10.5 15.7



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: 0.576 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038480.D

Acq: 01 Jun 2020 18:46

Instrument :

MSVOA_U

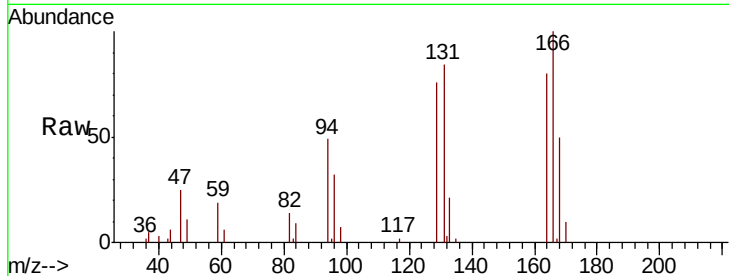
ClientSampleId :

Tot Ion:129 Resp: 9312

Ion Ratio Lower Upper

129 100

127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

6000

5000

4000

3000

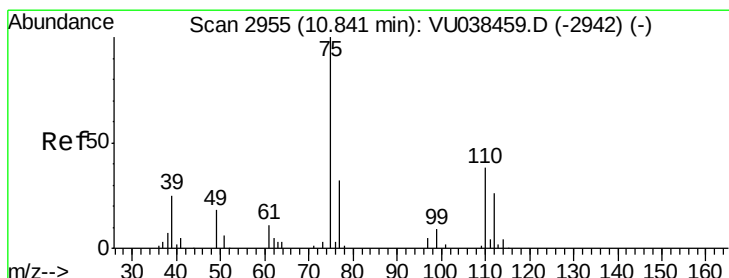
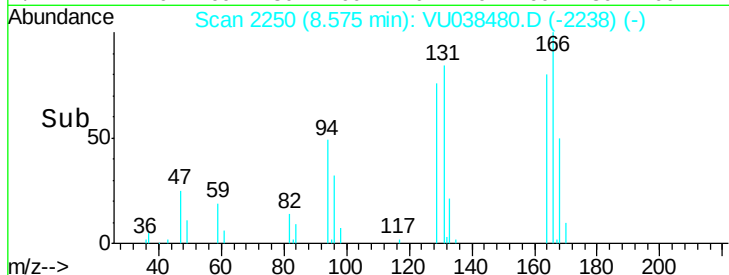
2000

1000

0

8.55 8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.097 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038480.D

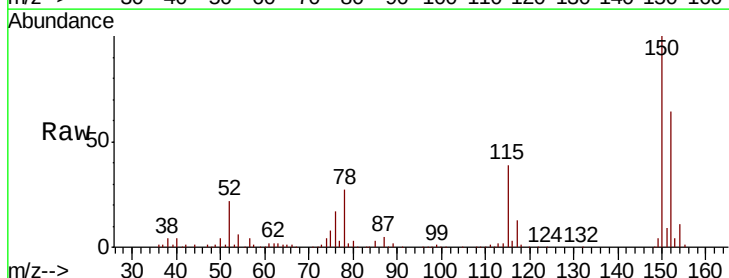
Acq: 01 Jun 2020 18:46

Tgt Ion: 75 Resp: 16267

Ion Ratio Lower Upper

75 100

77 39.1 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

10000

8000

6000

4000

2000

0

11.80 11.85

Time-->

