

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
 Data File : VU038474.D
 Acq On : 01 Jun 2020 16:28
 Operator : JC/MD
 Sample : L2789-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 02 05:29:51 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	306233	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	298002	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	139077	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	79091	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.93	69	73733	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.59	63	124488	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.67	46	360871	59.94	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.88%
24) Chloroform-d	5.10	84	197853	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.74	65	117010	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.76	84	384024	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.72	67	121627	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.92	98	316329	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.20	79	49016	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.65	63	304358	62.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.28%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108206	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	134957	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

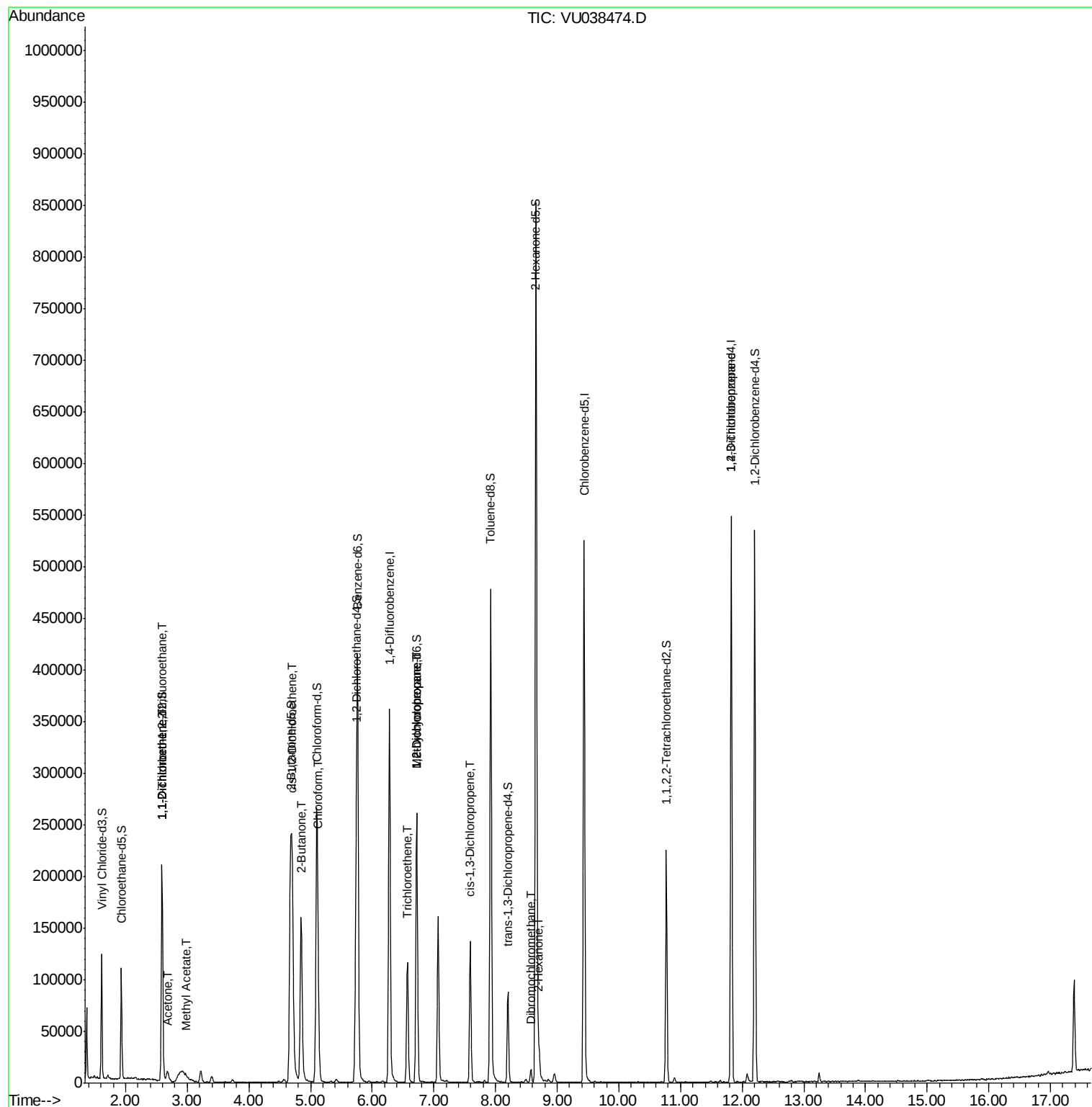
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2635	0.142	ug/L #	62
12) 1,1-Dichloroethene	2.59	96	1148	0.061	ug/L #	1
13) Acetone	2.68	43	18158	4.608	ug/L	95
15) Methyl Acetate	2.99	43	1699	0.176	ug/L #	51
21) 2-Butanone	4.84	43	221604	33.437	ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	60976	2.786	ug/L	99
25) Chloroform	5.12	83	38598	1.045	ug/L	98
34) Trichloroethene	6.57	95	38961	1.806	ug/L	97
35) Methylcyclohexane	6.72	83	30161	0.903	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	13778	0.659	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	2923	0.095	ug/L #	37
48) 2-Hexanone	8.71	43	14188	1.253	ug/L #	93
49) Dibromochloromethane	8.57	129	2612	0.153	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	17681	1.133	ug/L #	79

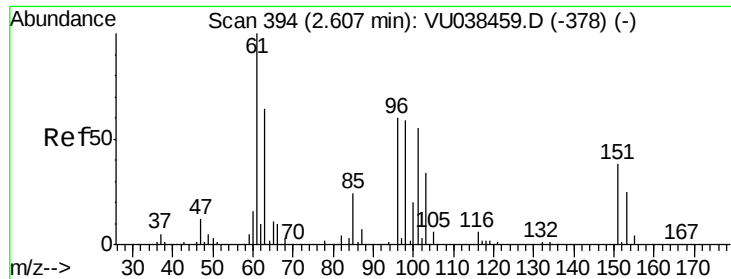
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.142 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038474.D

Acq: 01 Jun 2020 16:28

Instrument :

MSVOA_U

ClientSampleId :

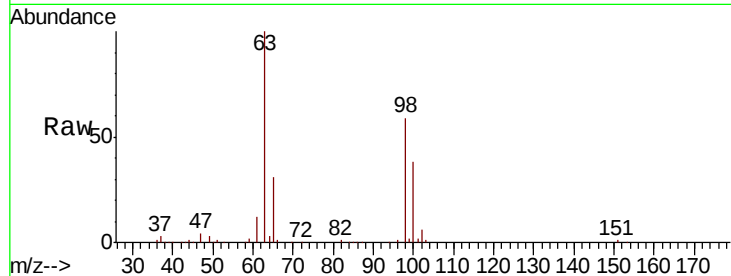
Tot Ion:101 Resp: 2635

Ion Ratio Lower Upper

101 100

85 22.5 34.0 51.0#

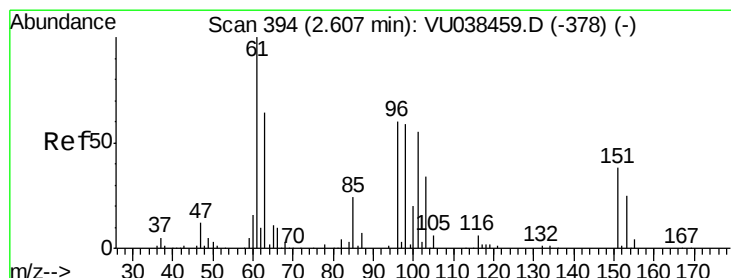
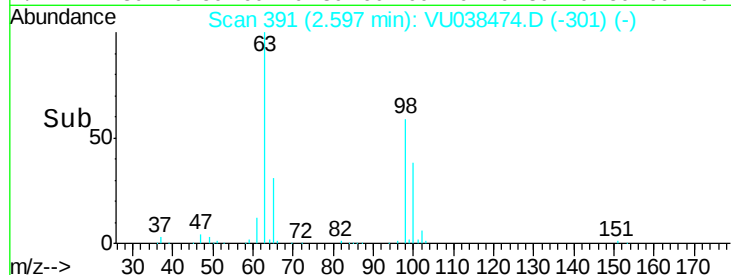
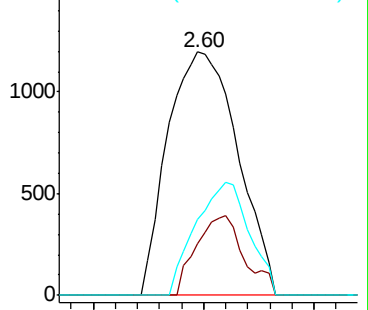
151 35.8 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038474.D

Acq: 01 Jun 2020 16:28

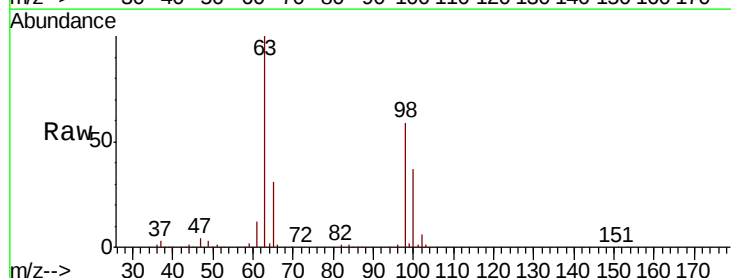
Tgt Ion: 96 Resp: 1148

Ion Ratio Lower Upper

96 100

61 1375.4 119.9 222.7#

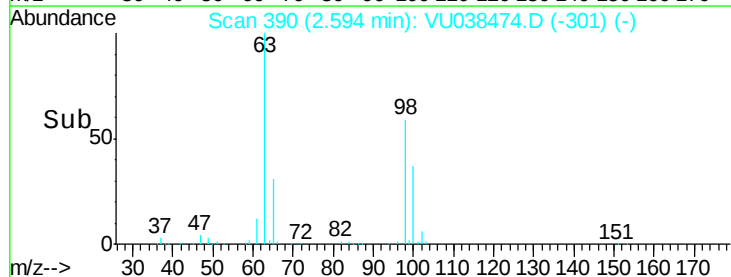
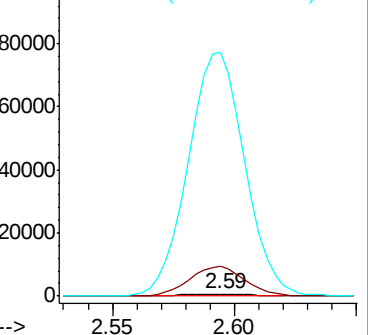
63 11446.9 89.9 167.0#

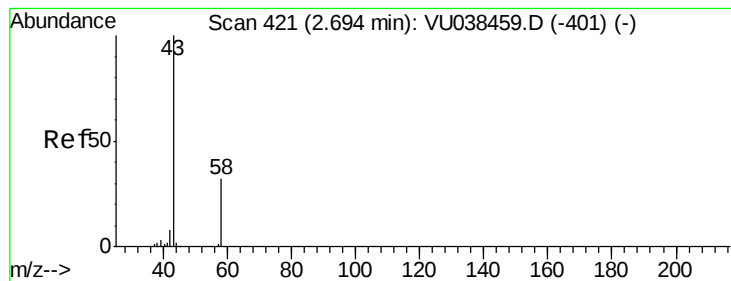


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.608 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.02 min

Lab File: VU038474.D

Acq: 01 Jun 2020 16:28

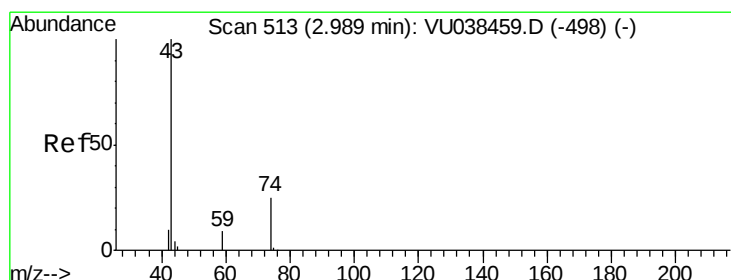
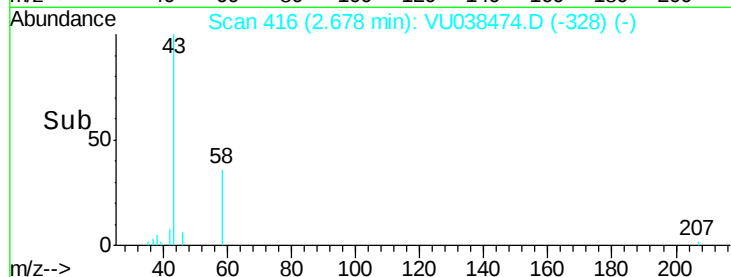
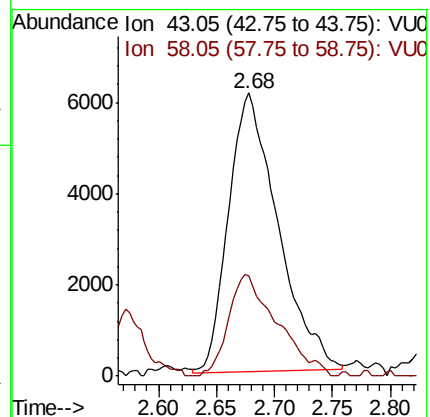
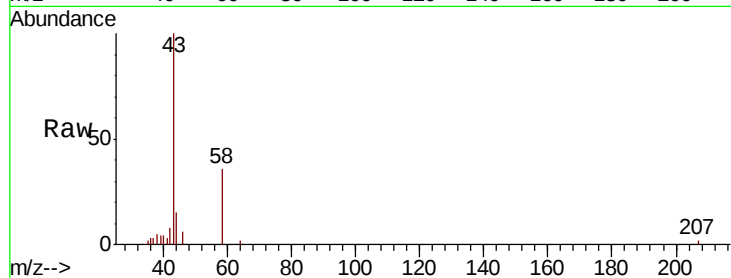
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 18158

Ion Ratio Lower Upper

43 100

58 35.6 0.0 65.6



#15

Methyl Acetate

Concen: 0.176 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU038474.D

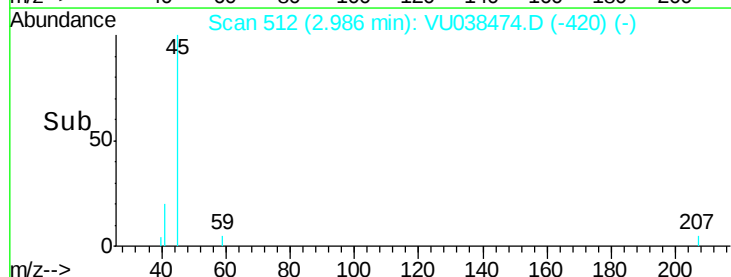
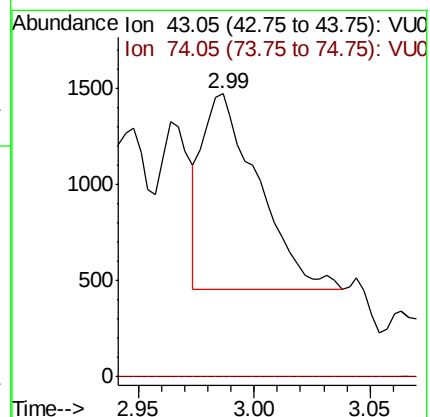
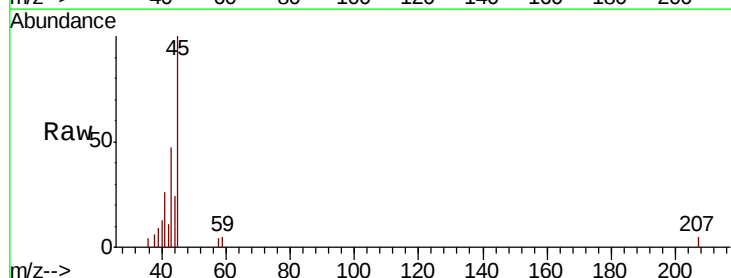
Acq: 01 Jun 2020 16:28

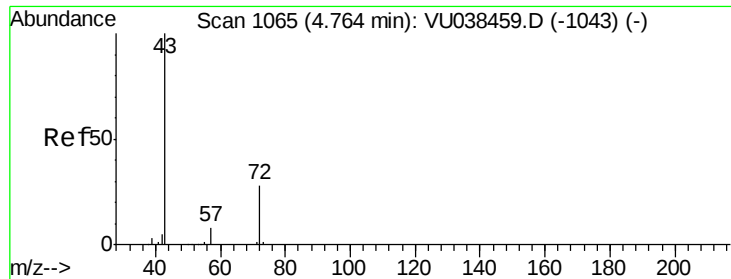
Tgt Ion: 43 Resp: 1699

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

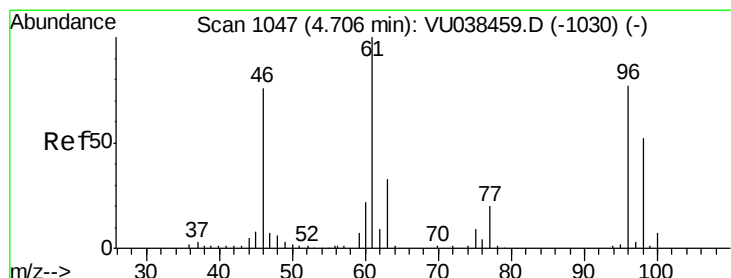
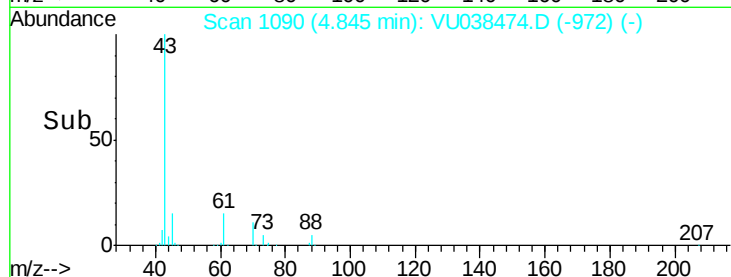
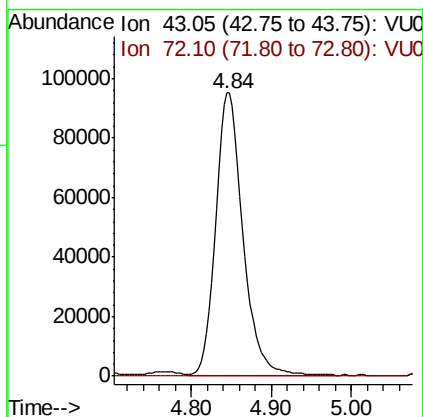
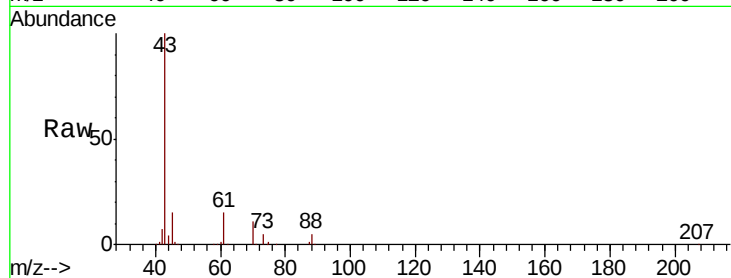




#21
2-Butanone
Concen: 33.437 ug/L
RT: 4.84 min Scan# 1090
Delta R.T. 0.08 min
Lab File: VU038474.D
Acq: 01 Jun 2020 16:28

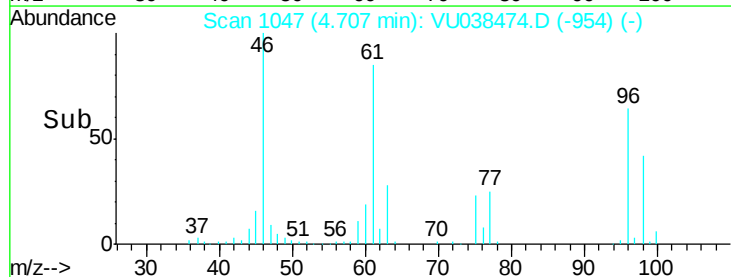
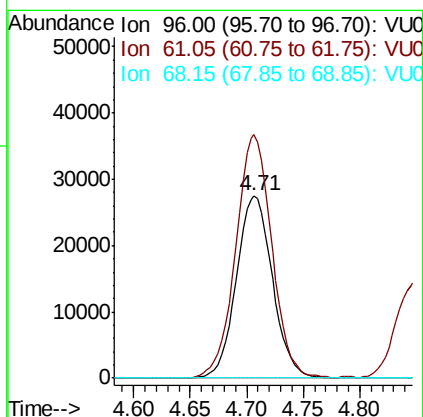
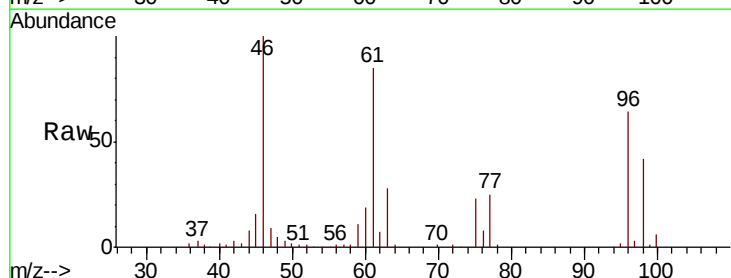
Instrument :
MSVOA_U
ClientSampled :

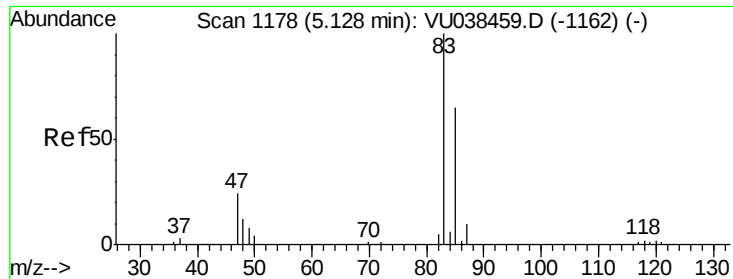
Tot Ion: 43 Resp: 221604
Ion Ratio Lower Upper
43 100
72 0.0 12.6 37.8#



#22
cis-1,2-Dichloroethene
Concen: 2.786 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU038474.D
Acq: 01 Jun 2020 16:28

Tgt Ion: 96 Resp: 60976
Ion Ratio Lower Upper
96 100
61 133.3 94.0 174.6
68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.045 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038474.D

Acq: 01 Jun 2020 16:28

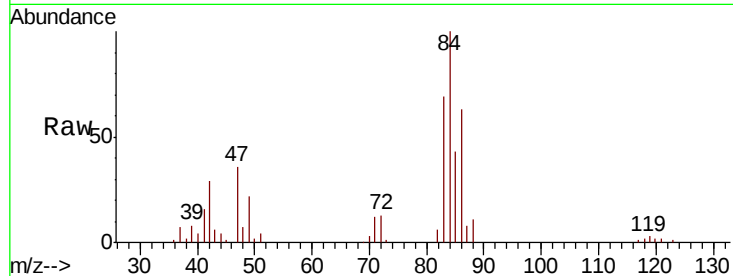
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 38598

Ion Ratio Lower Upper

83 100

85 62.9 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU038459.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU038459.D (-1162) (-)

5.12

20000

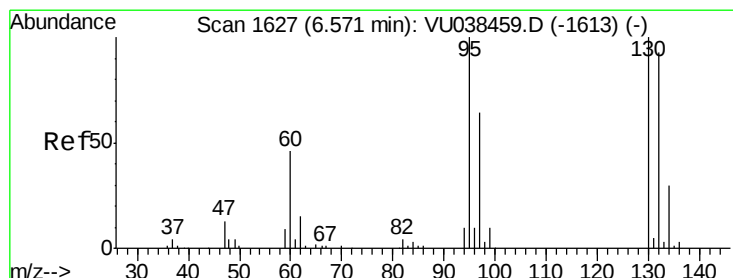
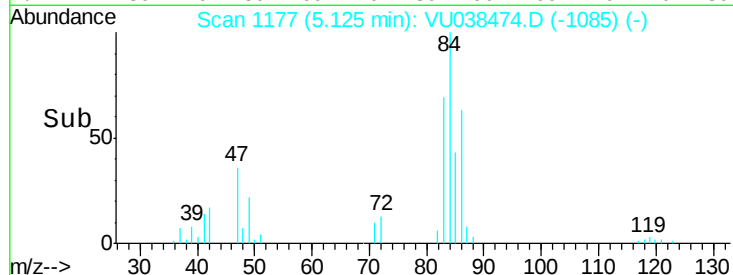
15000

10000

5000

0

Time-->



#34

Trichloroethene

Concen: 1.806 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038474.D

Acq: 01 Jun 2020 16:28

Tgt Ion: 95 Resp: 38961

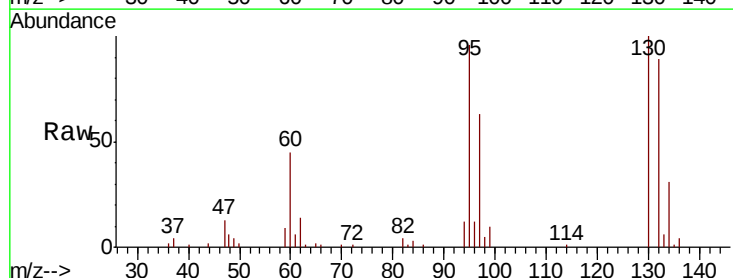
Ion Ratio Lower Upper

95 100

97 65.3 46.8 87.0

132 92.4 66.1 122.7

130 103.9 70.0 130.0



Abundance Ion 95.00 (94.70 to 95.70): VU038459.D (-1613) (-)

Ion 96.95 (96.65 to 97.65): VU038459.D (-1613) (-)

Ion 131.95 (131.65 to 132.65): VU038459.D (-1613) (-)

Ion 129.95 (129.65 to 130.65): VU038459.D (-1613) (-)

6.57

30000

25000

20000

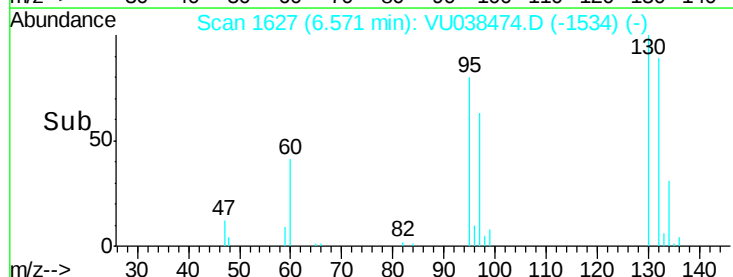
15000

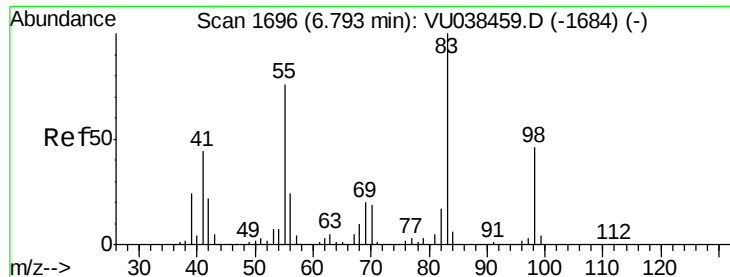
10000

5000

0

Time-->

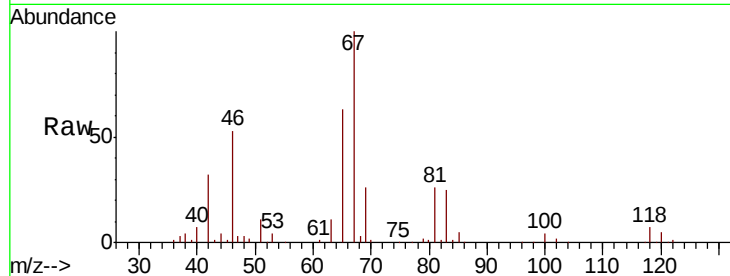




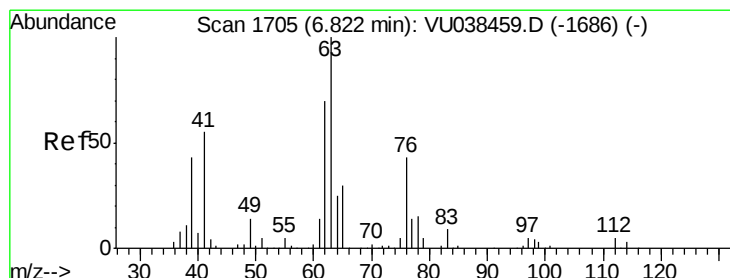
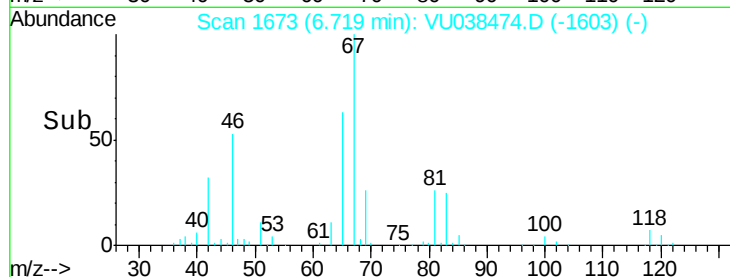
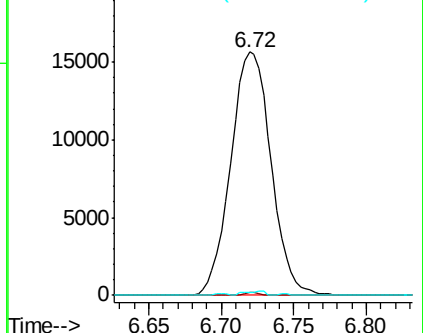
#35
Methvlcvclohexane
Concen: 0.903 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038474.D
Acq: 01 Jun 2020 16:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 30161
Ion Ratio Lower Upper
83 100
55 0.4 63.4 95.2#
98 0.8 39.0 58.4#

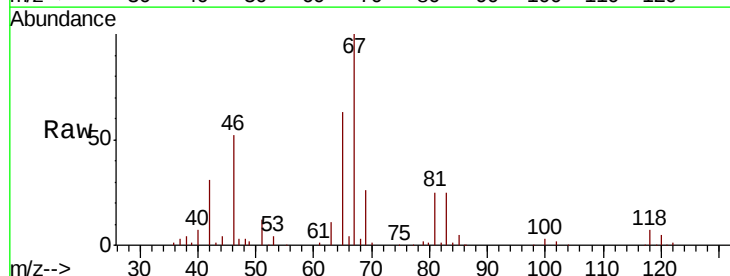


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

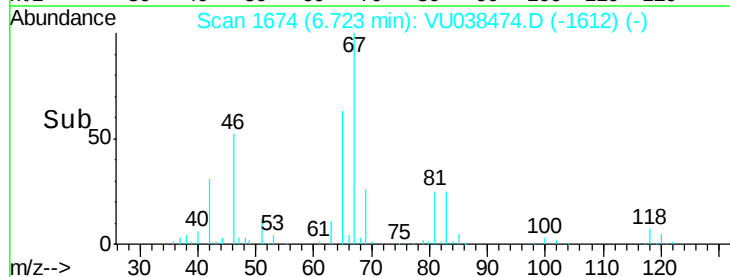
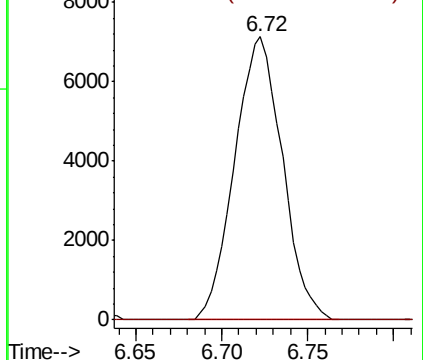


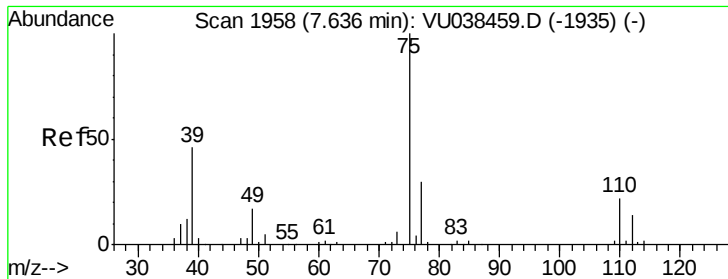
#37
1,2-Dichloropropane
Concen: 0.659 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038474.D
Acq: 01 Jun 2020 16:28

Tgt Ion: 63 Resp: 13778
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

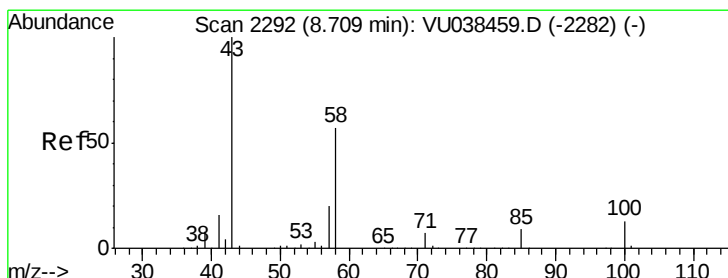
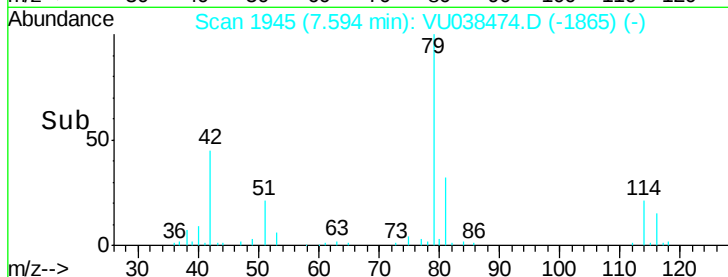
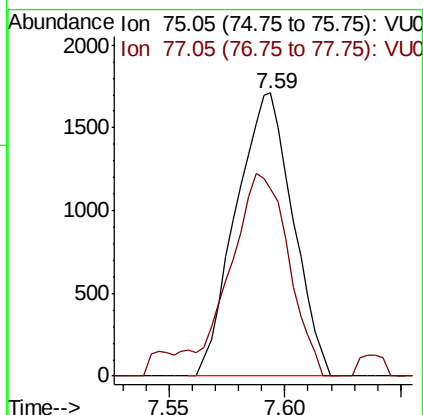
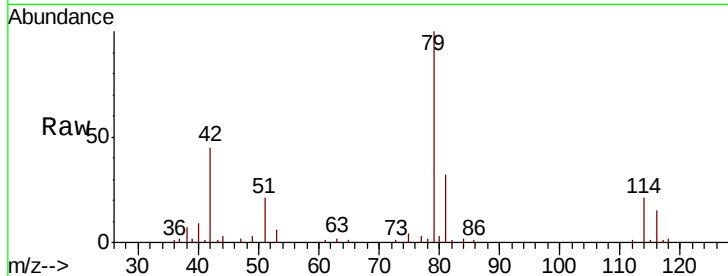




#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038474.D
 Acq: 01 Jun 2020 16:28

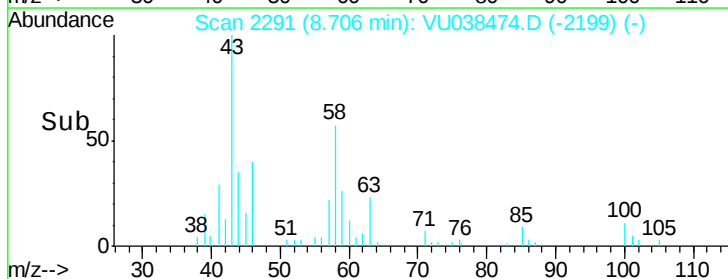
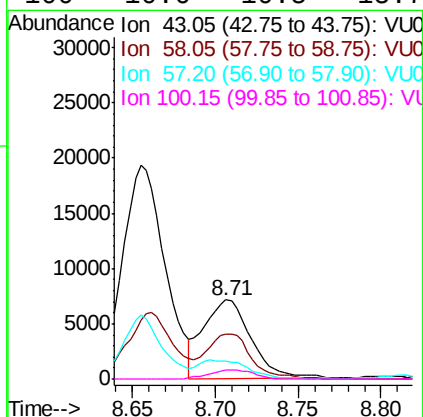
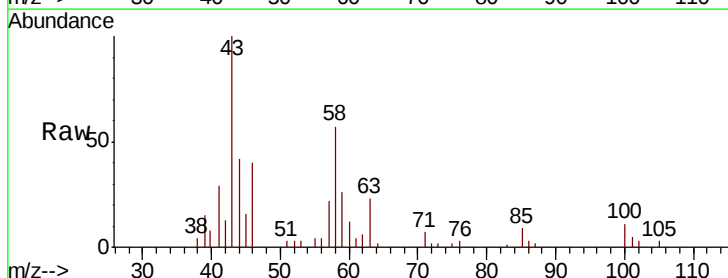
Instrument :
 MSVOA_U
 ClientSampleId :

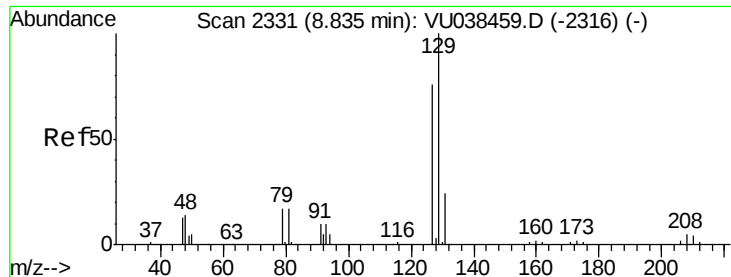
Tot Ion: 75 Resp: 2923
 Ion Ratio Lower Upper
 75 100
 77 66.1 21.9 40.7#



#48
 2-Hexanone
 Concen: 1.253 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU038474.D
 Acq: 01 Jun 2020 16:28

Tgt Ion: 43 Resp: 14188
 Ion Ratio Lower Upper
 43 100
 58 53.1 45.4 68.0
 57 25.6 15.9 23.9#
 100 10.6 10.5 15.7





#49

Dibromochloromethane

Concen: 0.153 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038474.D

Acq: 01 Jun 2020 16:28

Instrument :

MSVOA_U

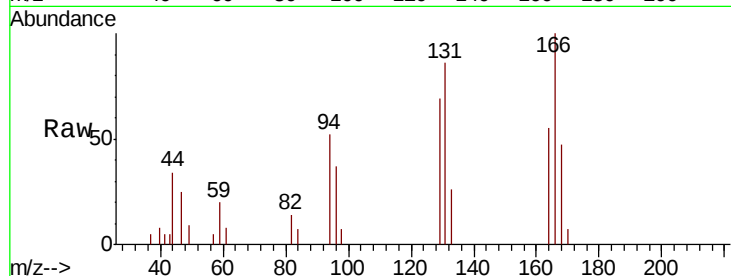
ClientSampleId :

Tot Ion:129 Resp: 2612

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

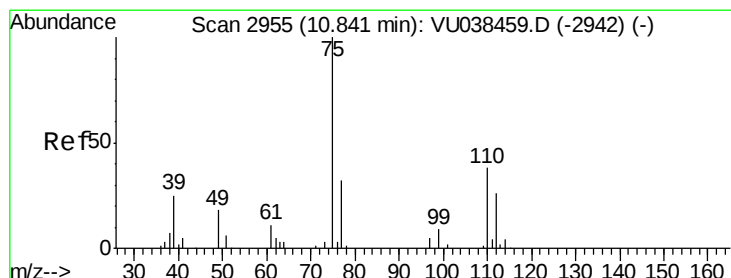
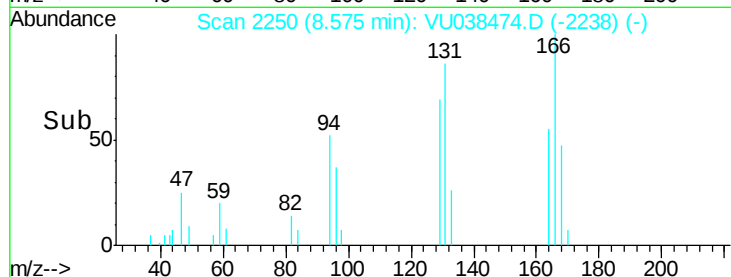
1500

1000

500

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.133 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038474.D

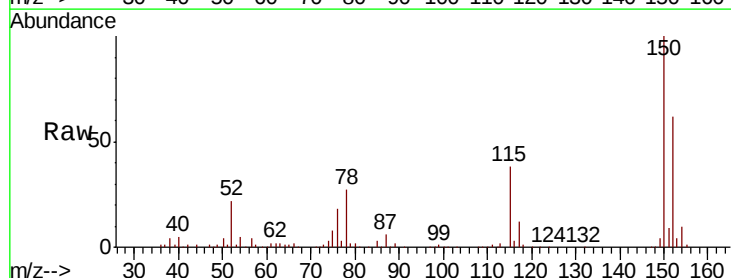
Acq: 01 Jun 2020 16:28

Tgt Ion: 75 Resp: 17681

Ion Ratio Lower Upper

75 100

77 43.2 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

12000

10000

8000

6000

4000

2000

0

Time-->

