

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101320\
 Data File : VU040688.D
 Acq On : 13 Oct 2020 17:21
 Operator : SY/MD
 Sample : L4346-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ4

Quant Time: Oct 14 06:06:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 14 05:57:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115236	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121624	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49354	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	39599	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.93	69	35670	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.58	63	63749	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	4.66	46	178399	58.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.76%
24) Chloroform-d	5.08	84	89238	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.72	65	53305	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.74	84	153127	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	55770	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.91	98	122622	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.19	79	21211	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.64	63	122410	51.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.98%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49284	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	52484	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

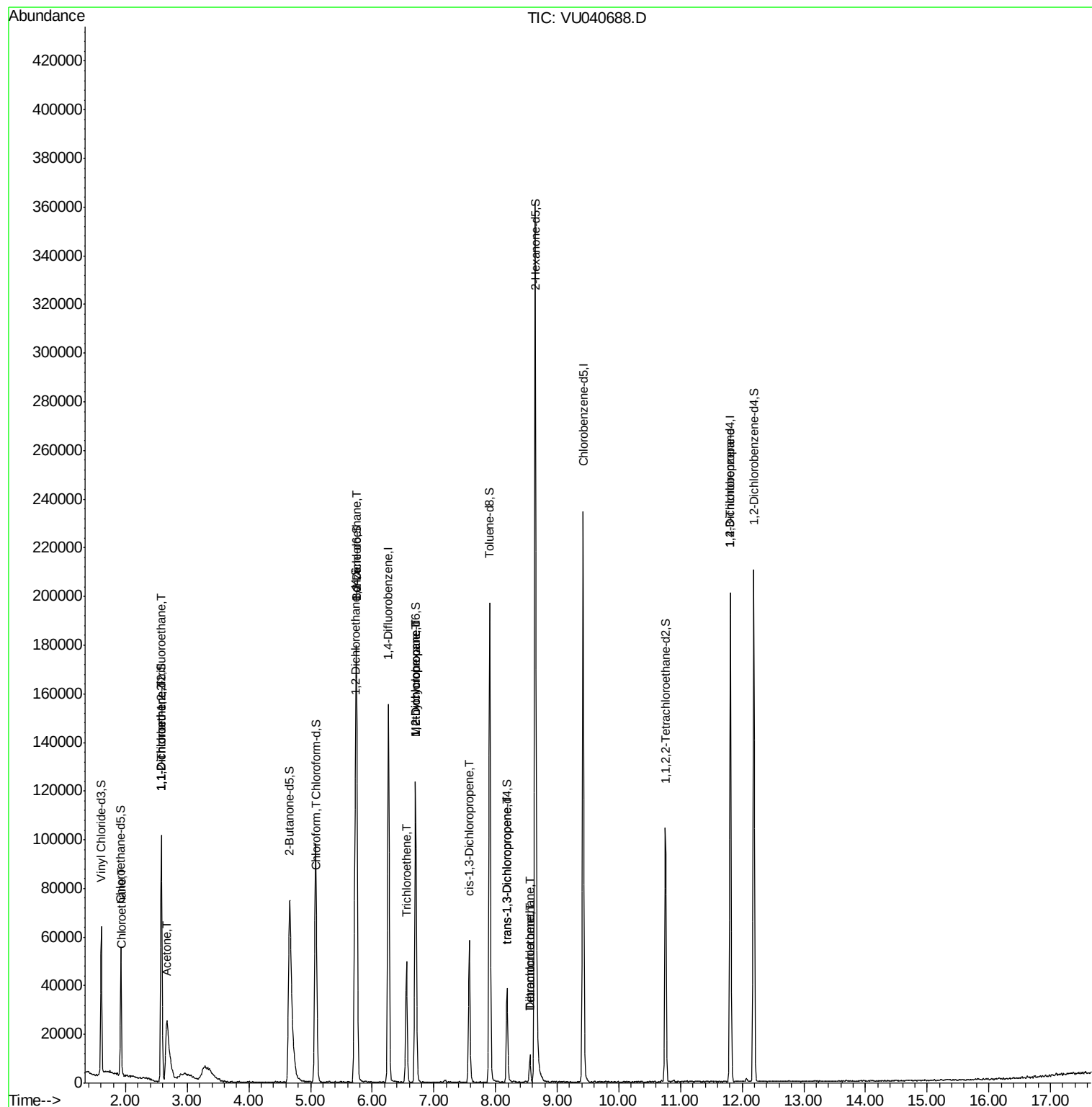
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	500	0.076	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	473	0.049	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	454	0.055	ug/L #	1
13) Acetone	2.67	43	72279	30.517	ug/L	97
25) Chloroform	5.11	83	4206	0.231	ug/L	90
27) 1,2-Dichloroethane	5.74	62	703	0.055	ug/L #	77
34) Trichloroethene	6.56	95	16380	1.617	ug/L	96
35) Methylcyclohexane	6.70	83	13077	0.910	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6283	0.577	ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1697	0.114	ug/L #	71
44) trans-1,3-Dichloropropene	8.19	75	938	0.068	ug/L #	74
47) Tetrachloroethene	8.56	164	2332	0.323	ug/L	92
49) Dibromochloromethane	8.56	129	2472	0.263	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6698	0.838	ug/L	96

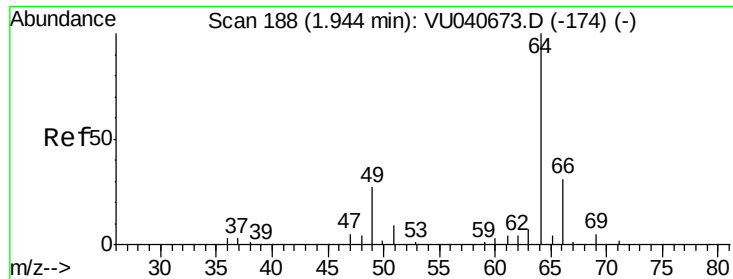
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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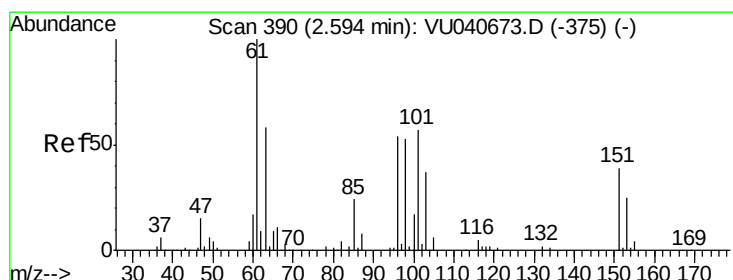
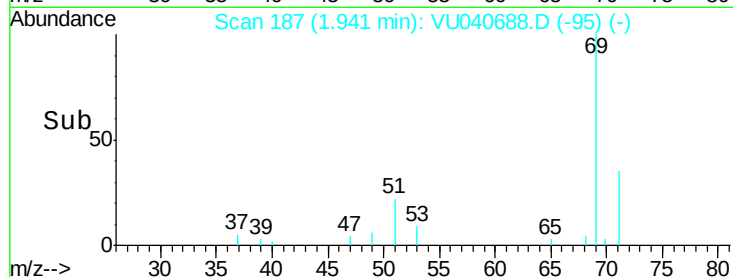
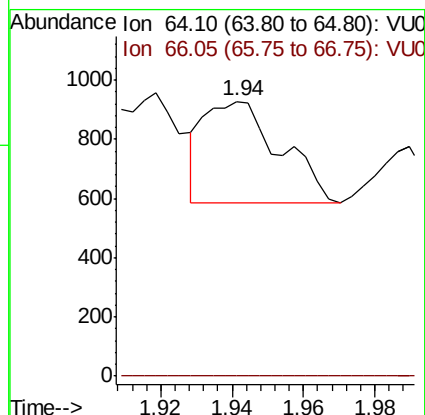
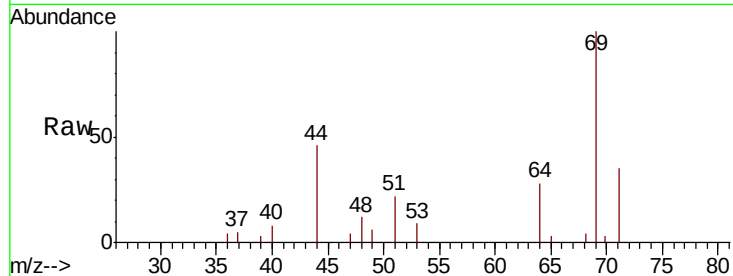




#8
Chloroethane
Concen: 0.076 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040688.D
Acq: 13 Oct 2020 17:21

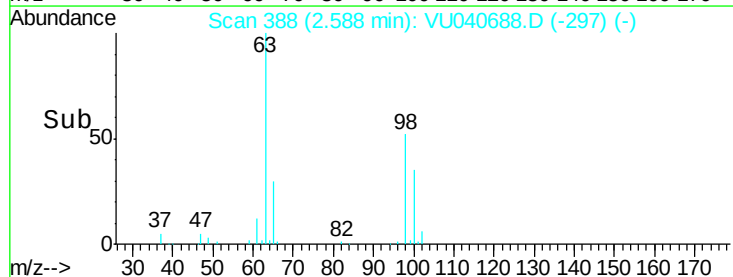
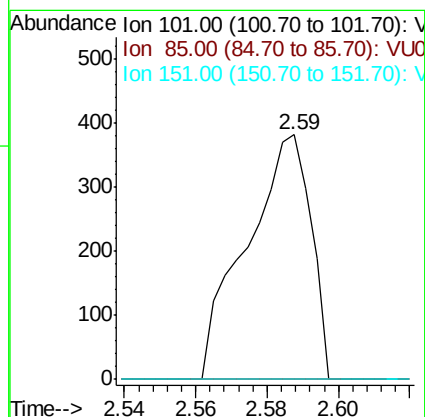
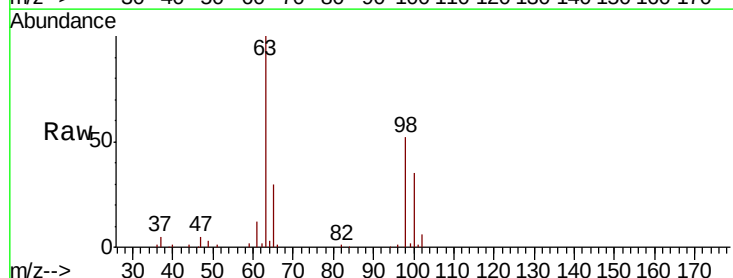
Instrument :
MSVOA_U
ClientSampled :
YQZ4

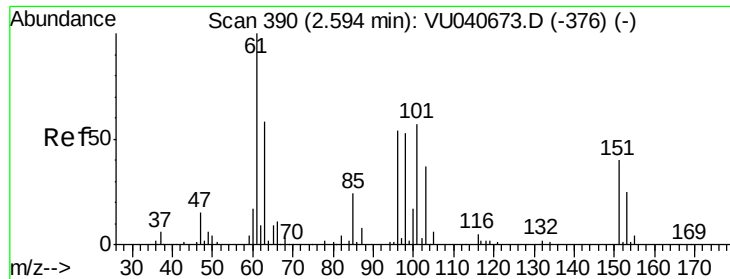
Tot Ion: 64 Resp: 500
Ion Ratio Lower Upper
64 100
66 0.0 23.3 43.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.049 ug/L
RT: 2.59 min Scan# 388
Delta R.T. -0.01 min
Lab File: VU040688.D
Acq: 13 Oct 2020 17:21

Tgt Ion: 101 Resp: 473
Ion Ratio Lower Upper
101 100
85 0.0 36.7 55.1#
151 0.0 58.0 87.0#

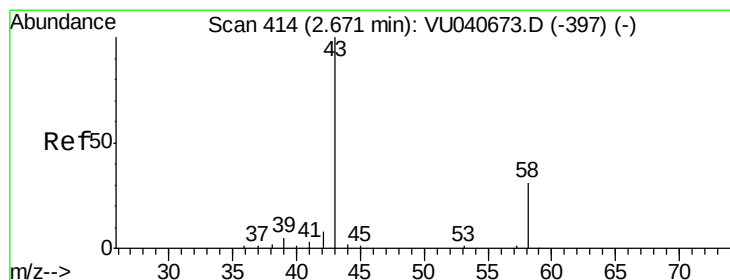
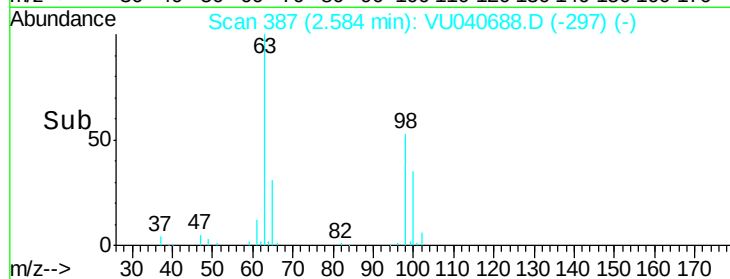
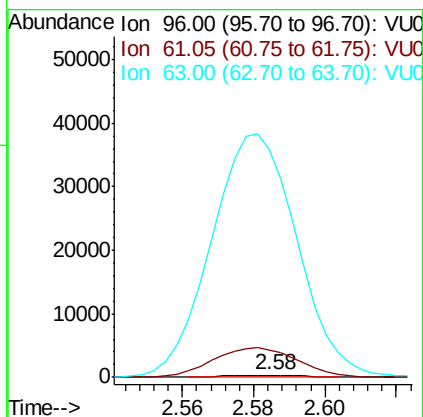
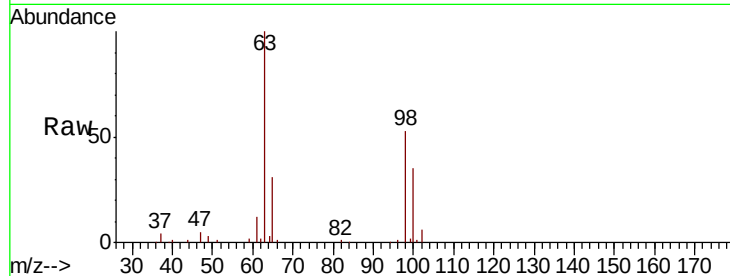




#12
 1,1-Dichloroethene
 Concen: 0.055 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VU040688.D
 Acq: 13 Oct 2020 17:21

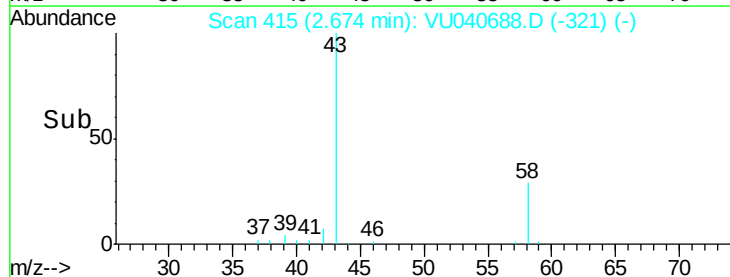
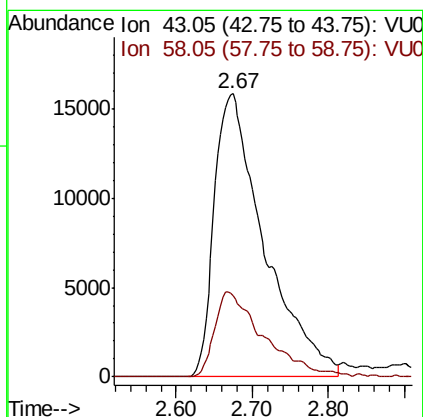
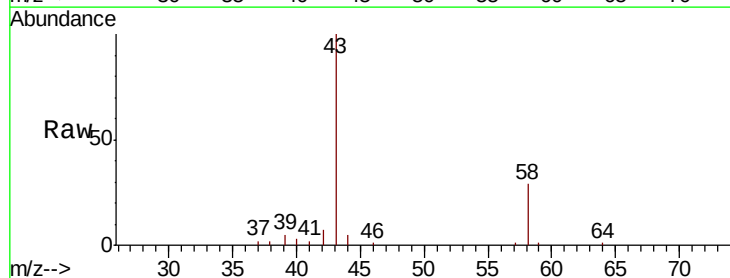
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ4

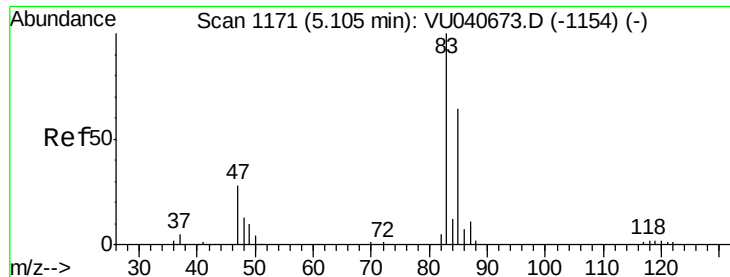
Tot Ion: 96 Resp: 454
 Ion Ratio Lower Upper
 96 100
 61 1339.1 128.8 239.2#
 63 10960.2 84.6 157.2#



#13
 Acetone
 Concen: 30.517 ug/L
 RT: 2.67 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: VU040688.D
 Acq: 13 Oct 2020 17:21

Tgt Ion: 43 Resp: 72279
 Ion Ratio Lower Upper
 43 100
 58 28.7 0.0 60.6

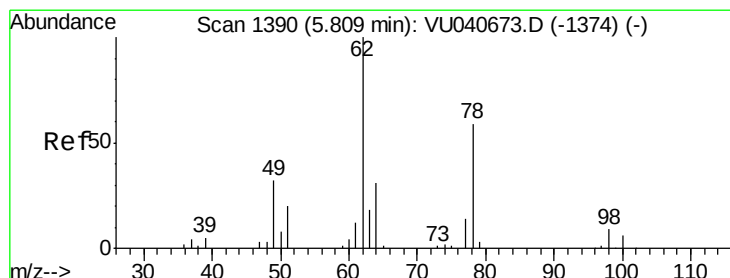
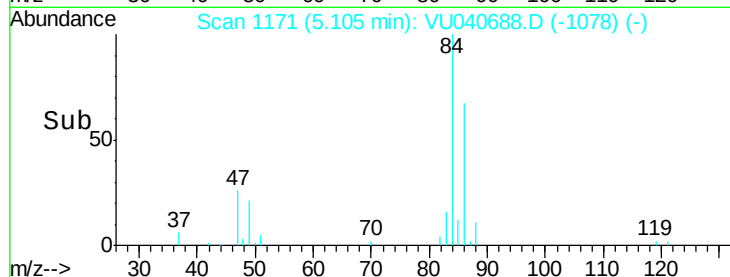
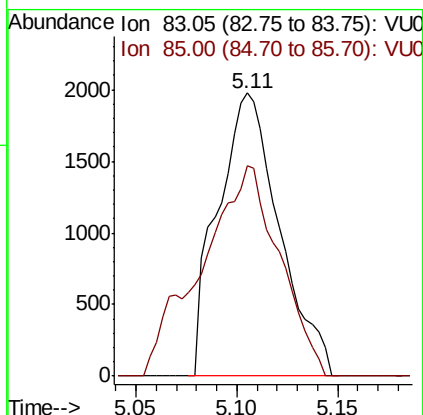
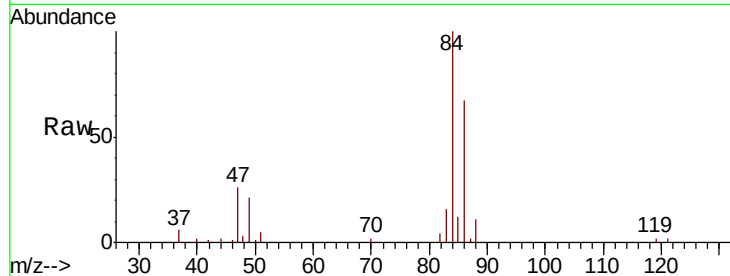




#25
Chloroform
Concen: 0.231 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040688.D
Acq: 13 Oct 2020 17:21

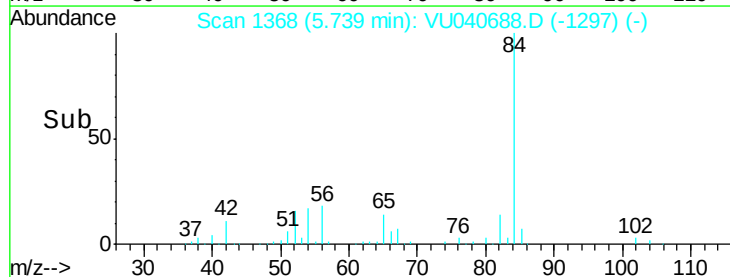
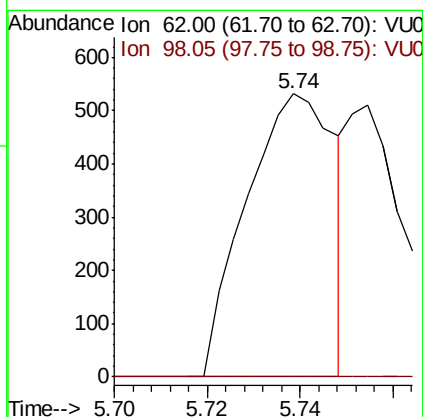
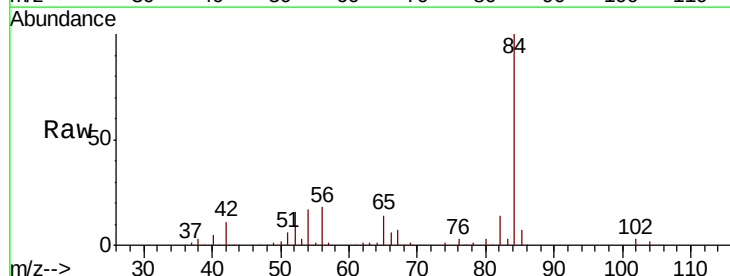
Instrument :
MSVOA_U
ClientSampleId :
YQZ4

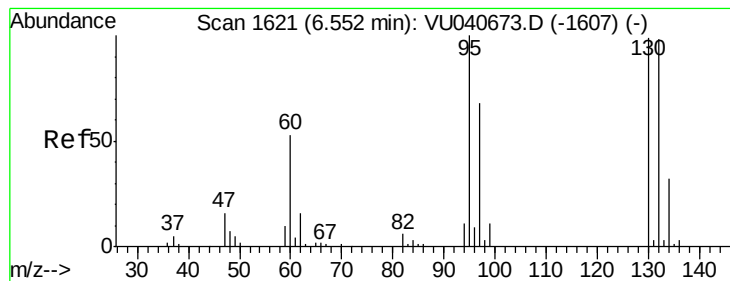
Tot Ion: 83 Resp: 4206
Ion Ratio Lower Upper
83 100
85 74.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.055 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.07 min
Lab File: VU040688.D
Acq: 13 Oct 2020 17:21

Tgt Ion: 62 Resp: 703
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#34

Trichloroethene

Concen: 1.617 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040688.D

Acq: 13 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

YQZ4

Tot Ion: 95 Resp: 16380

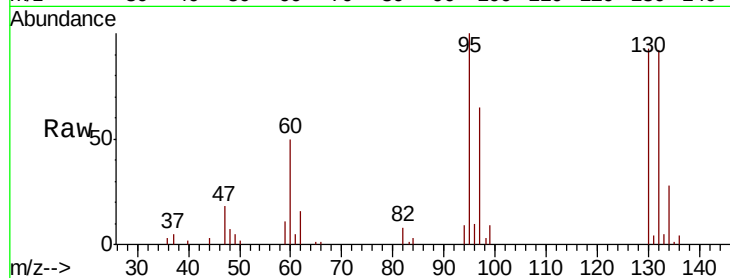
Ion Ratio Lower Upper

95 100

97 65.0 45.5 84.5

132 91.9 67.5 125.4

130 92.8 69.9 129.9

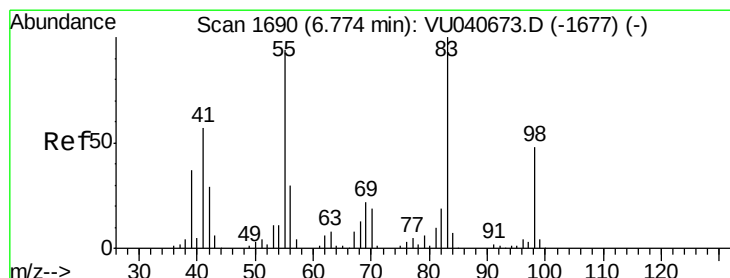
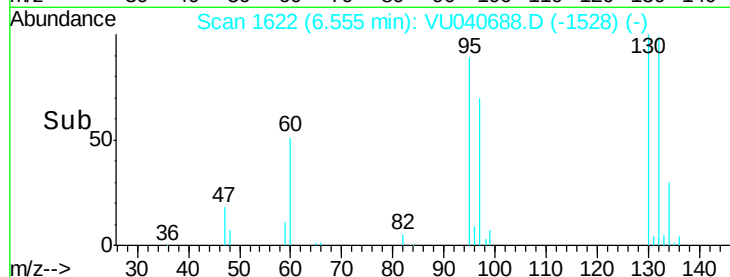
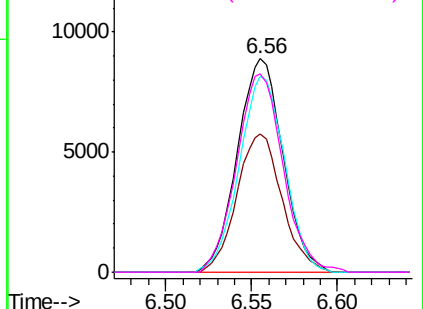


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.910 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040688.D

Acq: 13 Oct 2020 17:21

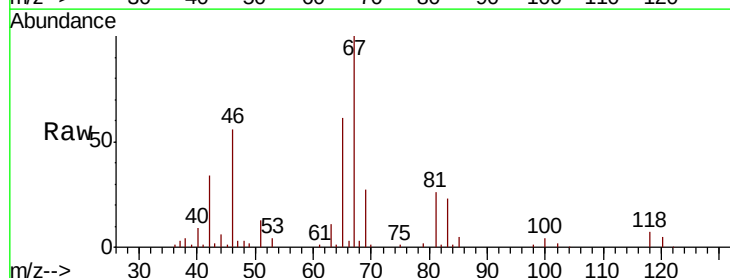
Tgt Ion: 83 Resp: 13077

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

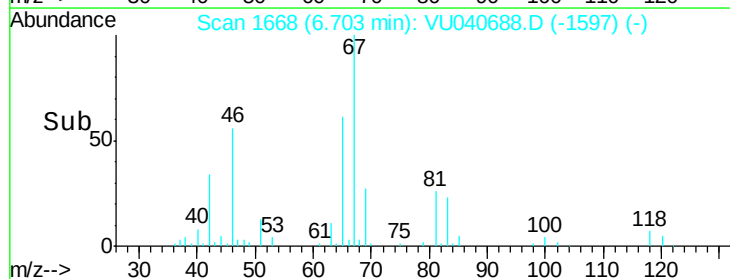
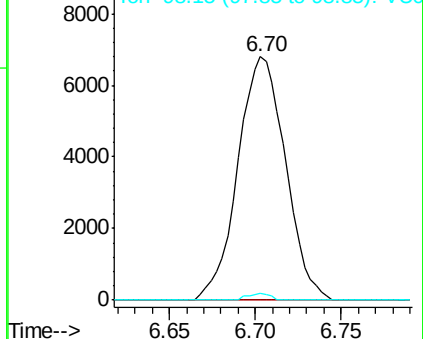
98 1.2 38.4 57.6#

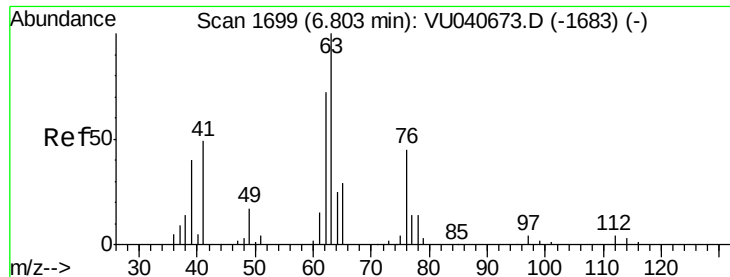


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

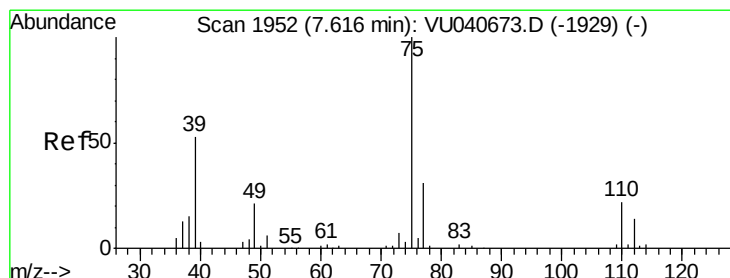
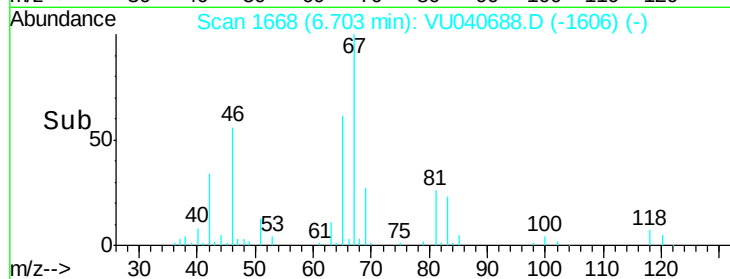
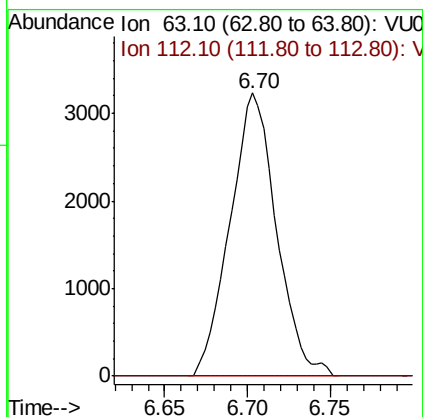
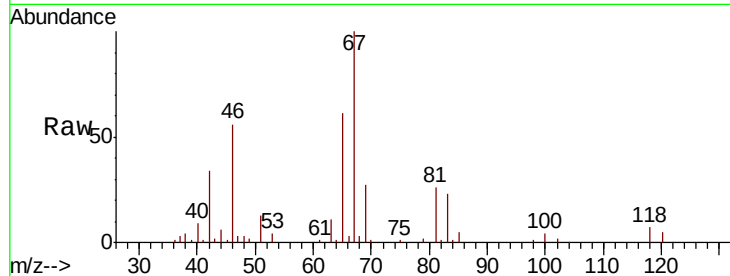




#37
 1,2-Dichloropropane
 Concen: 0.577 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040688.D
 Acq: 13 Oct 2020 17:21

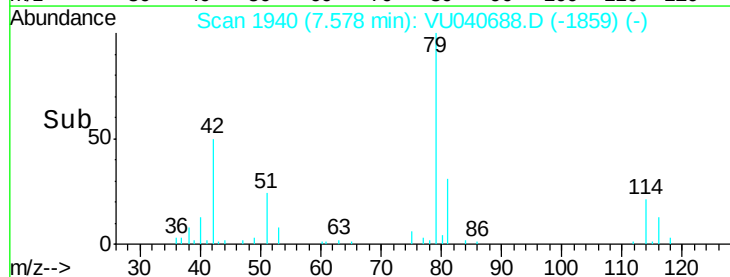
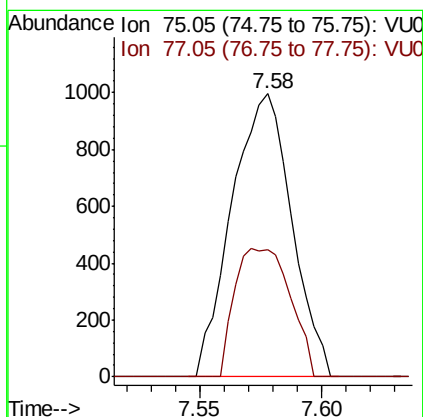
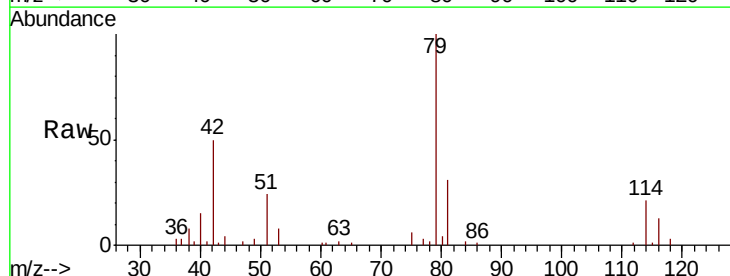
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 YAQZ4

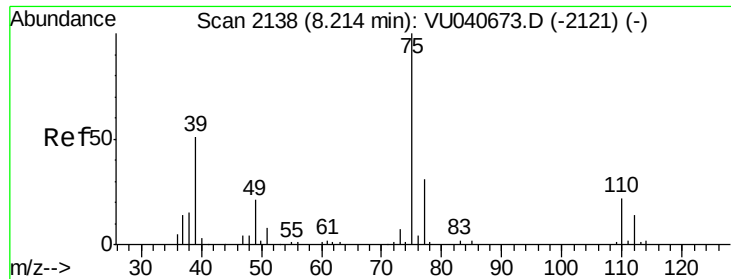
Tot Ion: 63 Resp: 6283
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040688.D
 Acq: 13 Oct 2020 17:21

Tgt Ion: 75 Resp: 1697
 Ion Ratio Lower Upper
 75 100
 77 45.0 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040688.D

Acq: 13 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

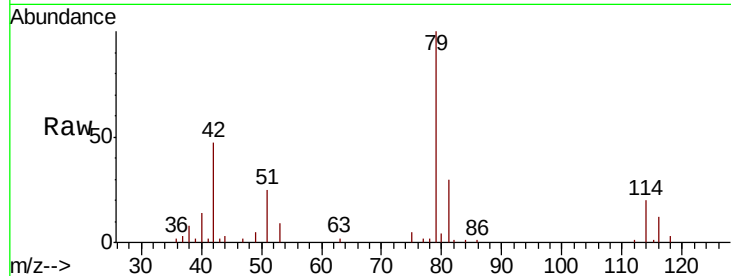
YQZ4

Tot Ion: 75 Resp: 938

Ion Ratio Lower Upper

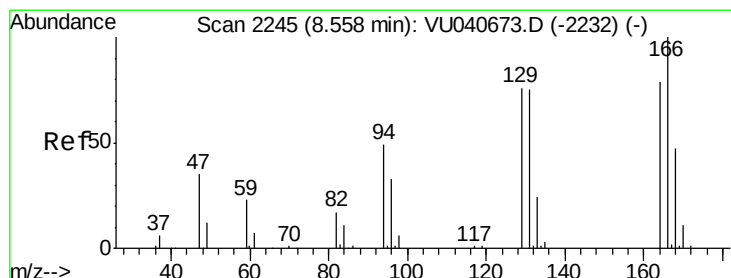
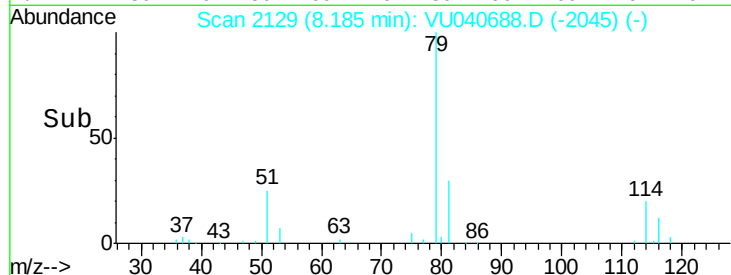
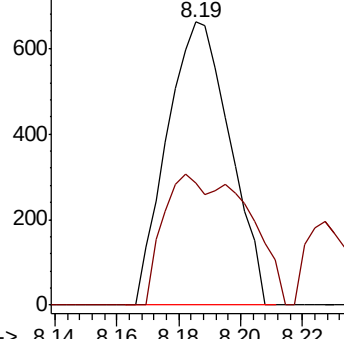
75 100

77 43.1 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 0.323 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040688.D

Acq: 13 Oct 2020 17:21

Tgt Ion: 164 Resp: 2332

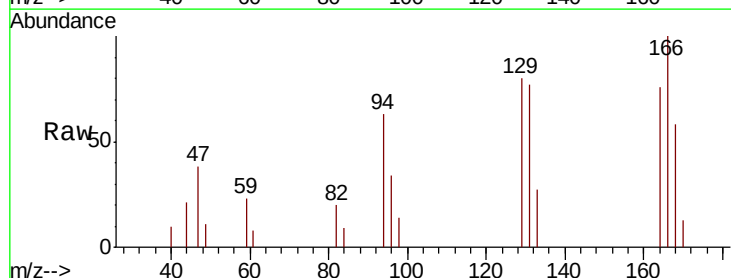
Ion Ratio Lower Upper

164 100

129 105.0 68.8 127.8

131 101.1 66.7 123.9

166 132.0 83.9 155.7

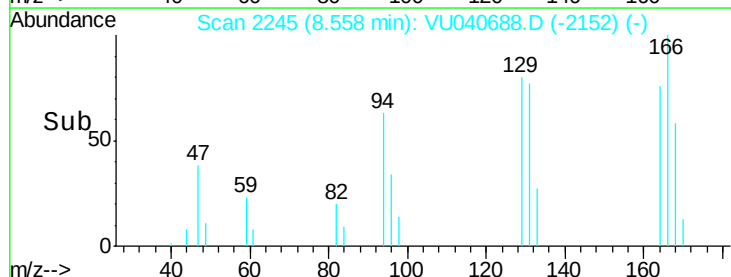
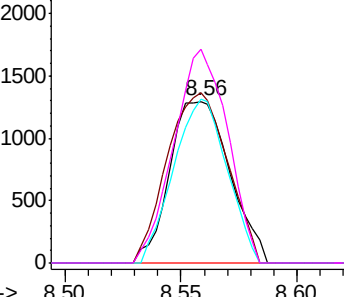


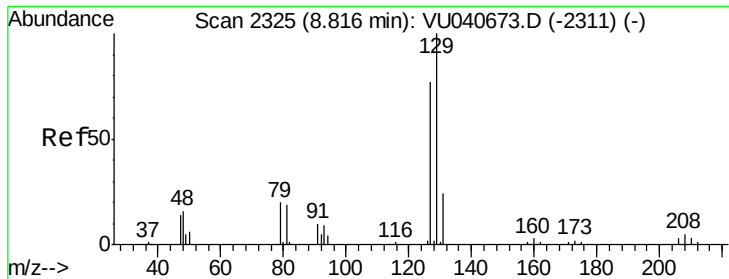
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.263 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU040688.D

Acq: 13 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampled :

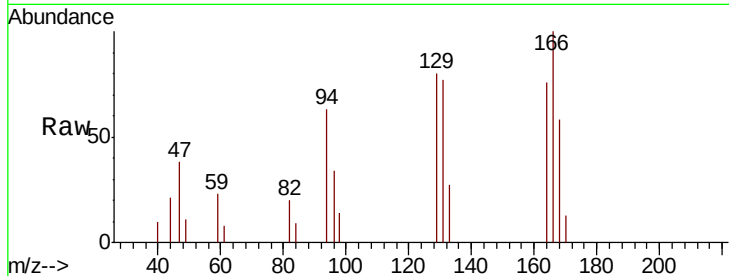
YAZ4

Tot Ion:129 Resp: 2472

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

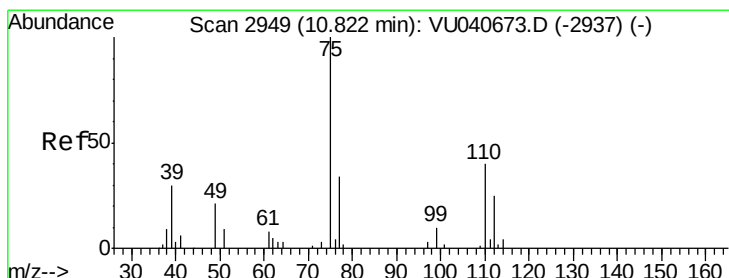
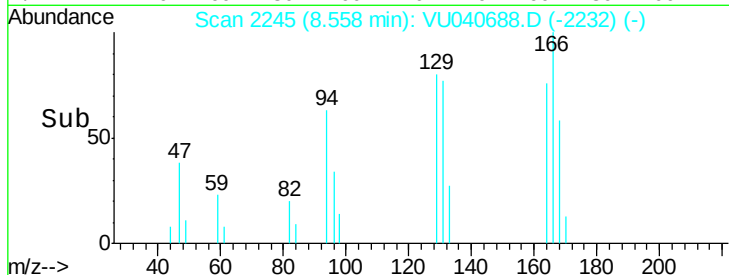
1500

1000

500

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 0.838 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040688.D

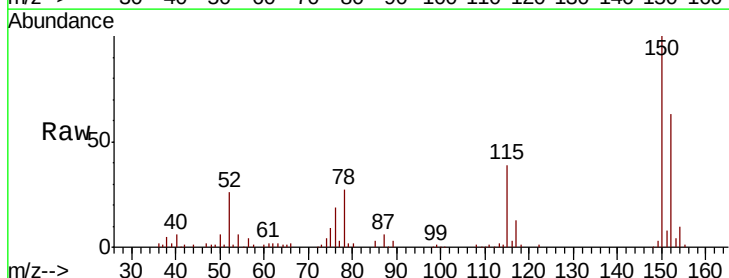
Acq: 13 Oct 2020 17:21

Tgt Ion: 75 Resp: 6698

Ion Ratio Lower Upper

75 100

77 35.2 26.4 39.6



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

