

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101420\
 Data File : VU040697.D
 Acq On : 14 Oct 2020 14:37
 Operator : SY/MD
 Sample : L4401-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSC3

Quant Time: Oct 15 05:31:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 15 05:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	118940	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121182	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51604	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	50875	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.92	69	44064	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.00%
11) 1,1-Dichloroethene-d2	2.58	63	77949	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	4.66	46	182806	57.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.92%
24) Chloroform-d	5.08	84	96194	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.20%
26) 1,2-Dichloroethane-d4	5.72	65	60959	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.80%
32) Benzene-d6	5.74	84	182468	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.70	67	60522	5.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.60%
41) Toluene-d8	7.91	98	151577	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	8.19	79	23576	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.64	63	131094	55.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52336	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	58216	6.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.60%#

Target Compounds

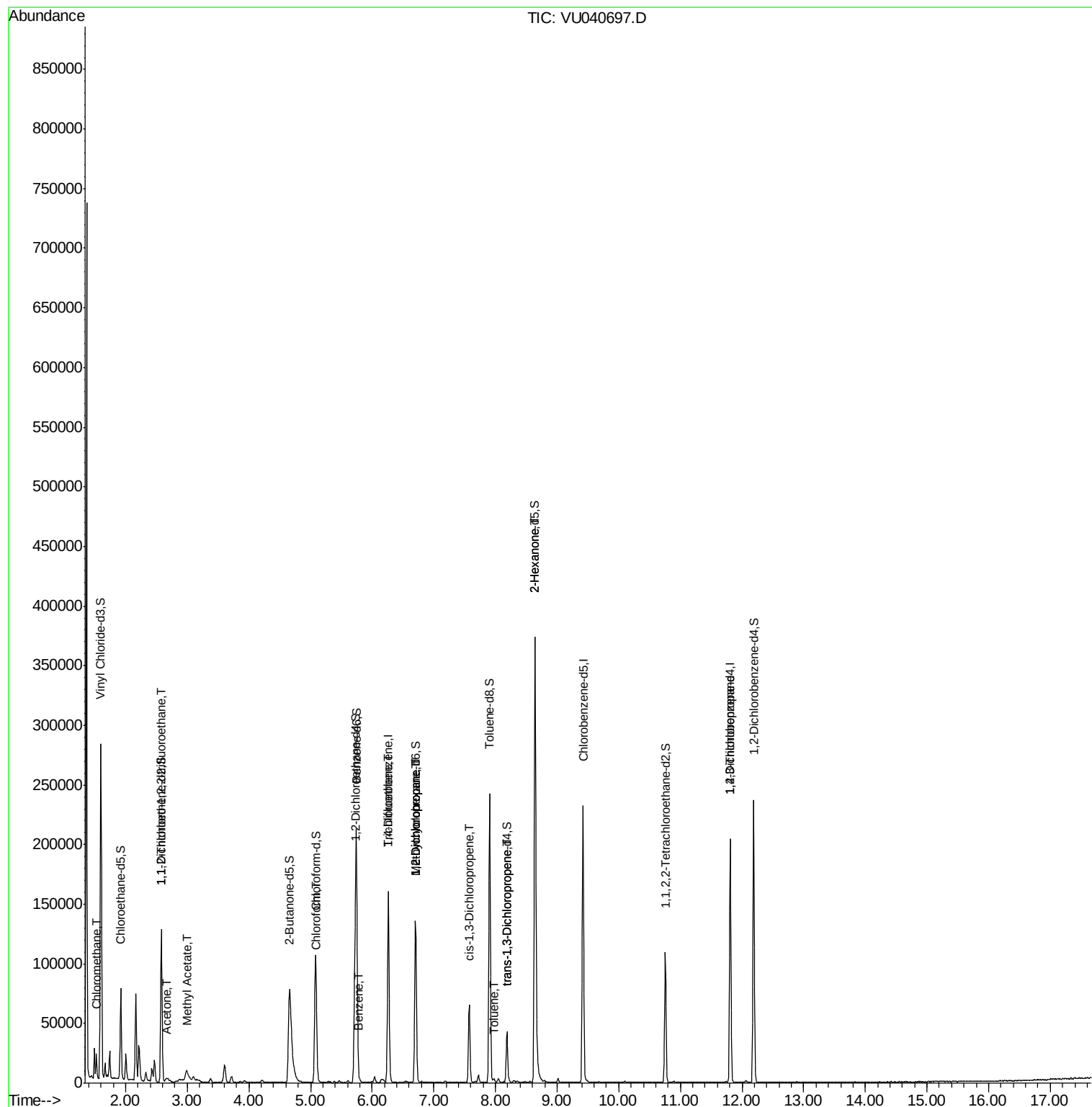
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	14151	1.404	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	610	0.062	ug/L #	20
13) Acetone	2.67	43	6024	2.464	ug/L	93
15) Methyl Acetate	2.98	43	2467	0.442	ug/L #	56
25) Chloroform	5.11	83	2210	0.118	ug/L	91
33) Benzene	5.79	78	1419	0.036	ug/L	100
34) Trichloroethene	6.26	95	2408	0.239	ug/L #	5
35) Methylcyclohexane	6.70	83	13834	0.967	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6996	0.645	ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1638	0.111	ug/L #	72
42) Toluene	7.98	91	1509	0.038	ug/L	94
44) trans-1,3-Dichloropropene	8.18	75	1273	0.093	ug/L #	56
48) 2-Hexanone	8.64	43	18267	2.837	ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	6667	0.837	ug/L #	85

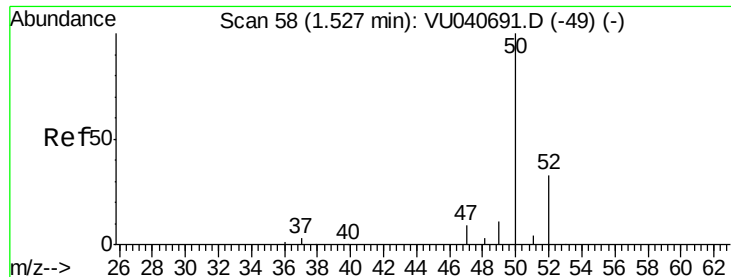
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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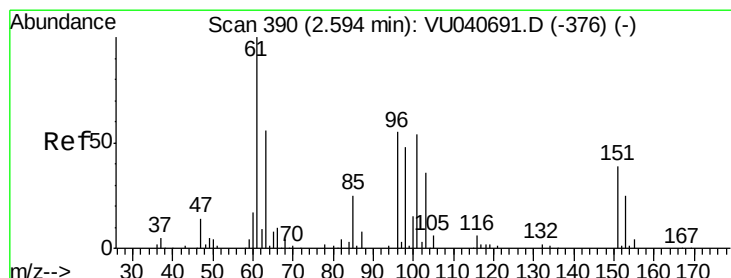
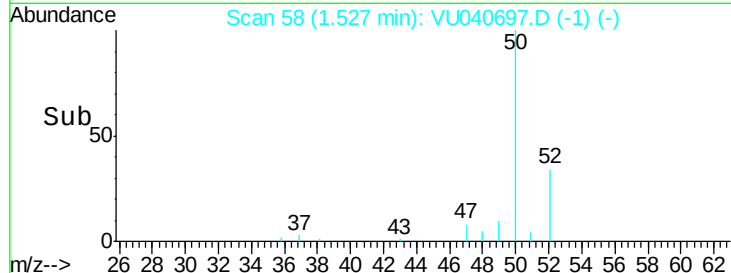
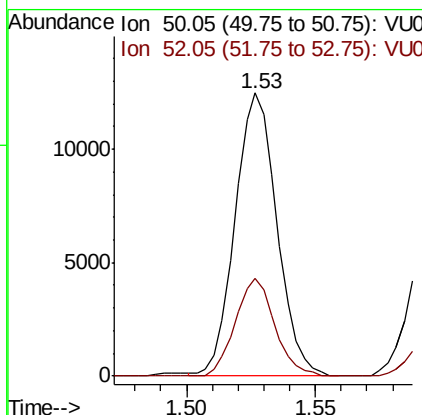
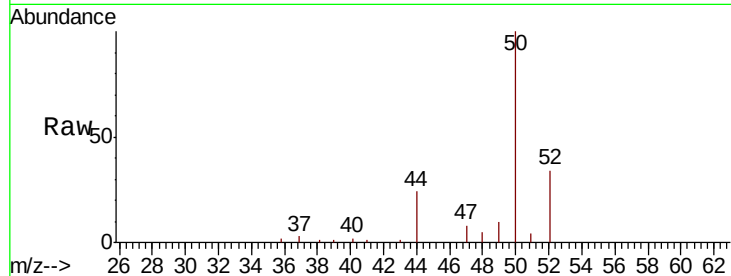




#3
 Chloromethane
 Concen: 1.404 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VU040697.D
 Acq: 14 Oct 2020 14:37

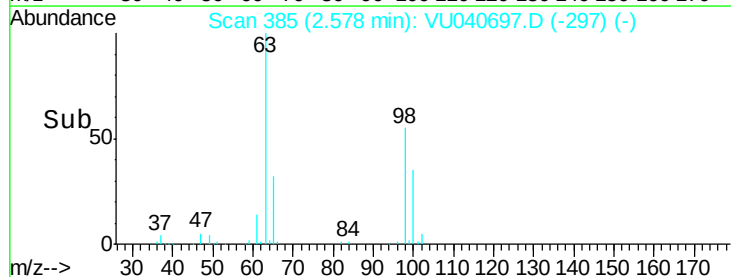
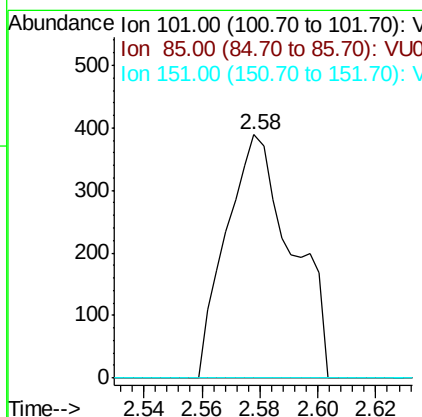
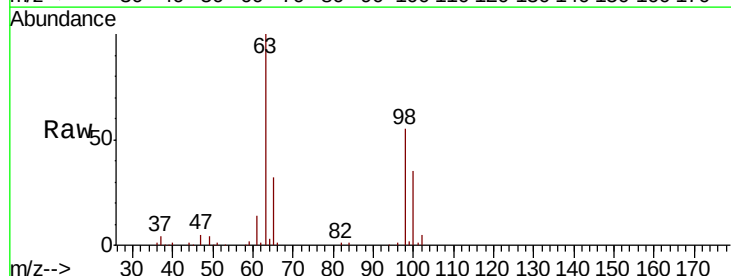
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSC3

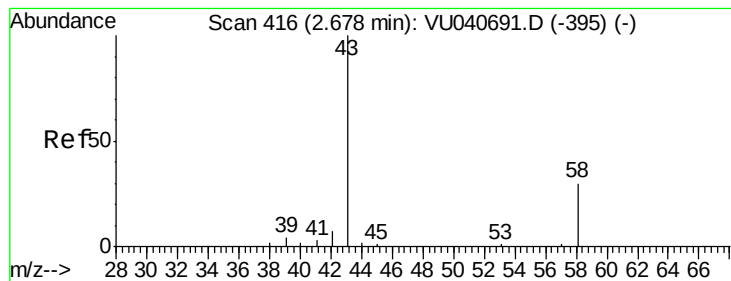
Tot Ion: 50 Resp: 14151
 Ion Ratio Lower Upper
 50 100
 52 34.5 21.9 40.7



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.062 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.02 min
 Lab File: VU040697.D
 Acq: 14 Oct 2020 14:37

Tgt Ion: 101 Resp: 610
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.7 55.1#
 151 0.0 58.0 87.0#





#13

Acetone

Concen: 2.464 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU040697.D

Acq: 14 Oct 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

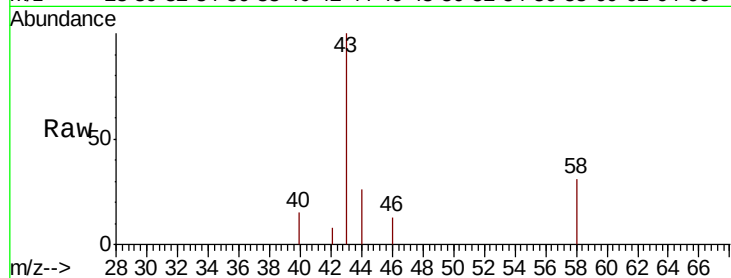
BFSC3

Tot Ion: 43 Resp: 6024

Ion Ratio Lower Upper

43 100

58 26.7 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040697.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU040697.D (-323) (-)

2.67

2000

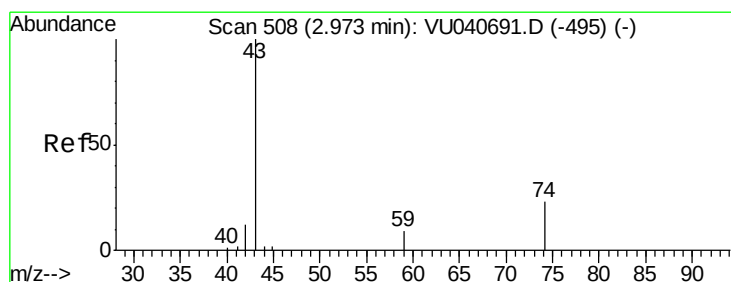
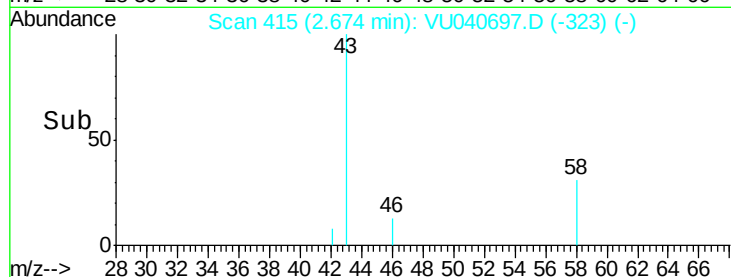
1500

1000

500

0

Time--> 2.60 2.65 2.70



#15

Methyl Acetate

Concen: 0.442 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.01 min

Lab File: VU040697.D

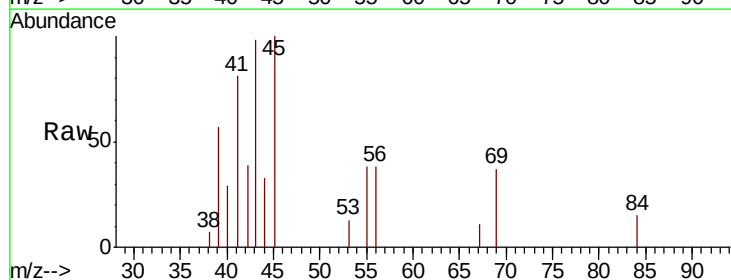
Acq: 14 Oct 2020 14:37

Tgt Ion: 43 Resp: 2467

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU040697.D (-415) (-)

Ion 74.05 (73.75 to 74.75): VU040697.D (-415) (-)

2.98

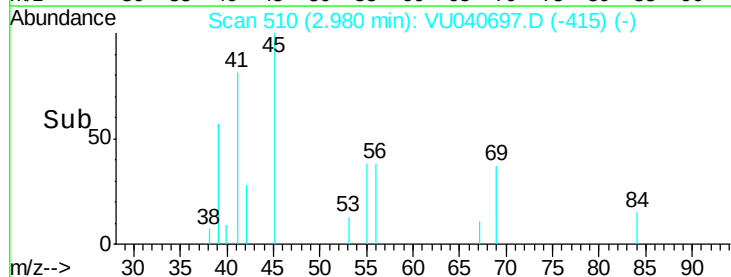
1500

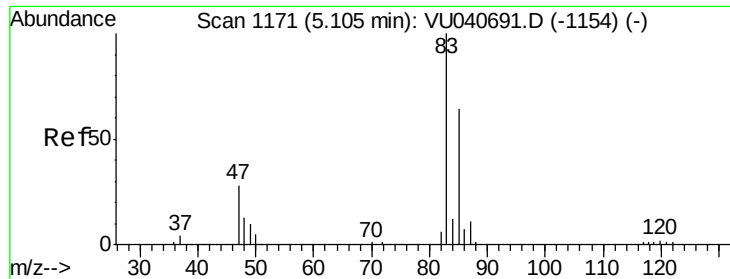
1000

500

0

Time--> 2.90 2.95 3.00 3.05

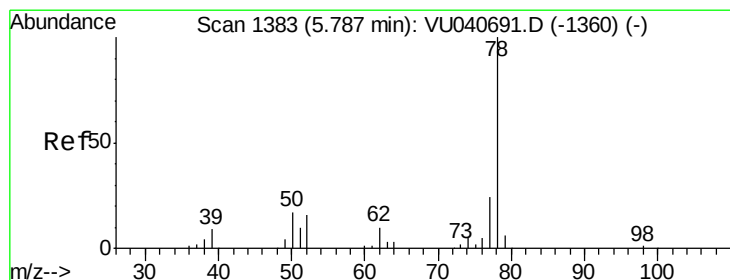
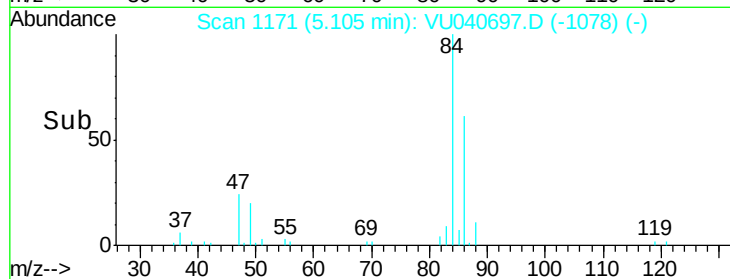
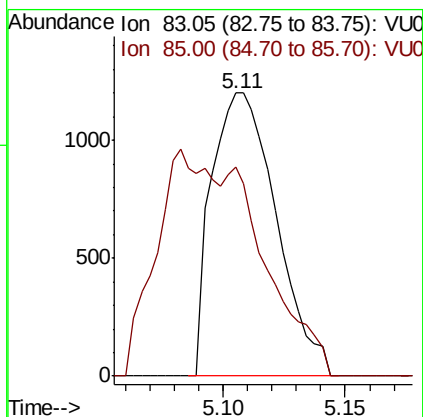
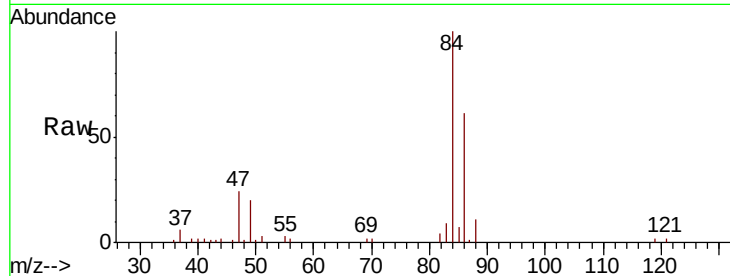




#25
Chloroform
Concen: 0.118 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040697.D
Acq: 14 Oct 2020 14:37

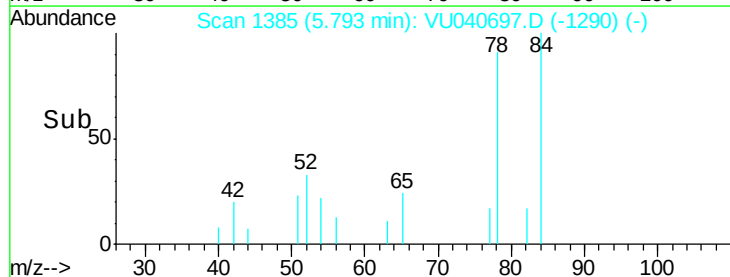
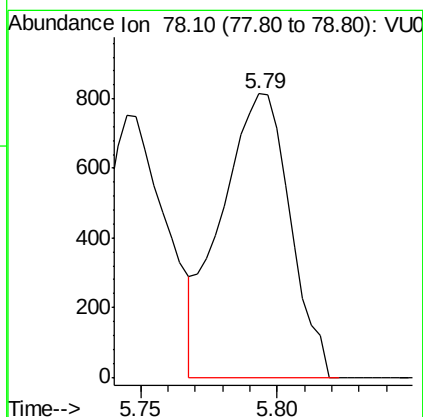
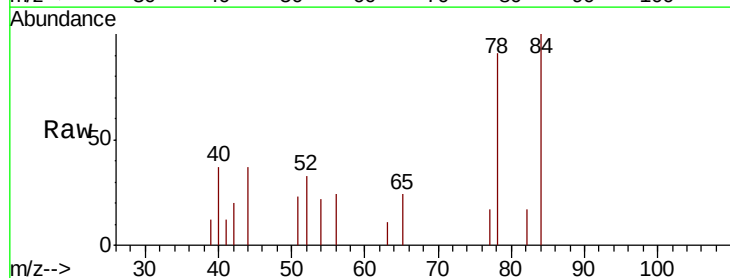
Instrument :
MSVOA_U
ClientSampled :
BFSC3

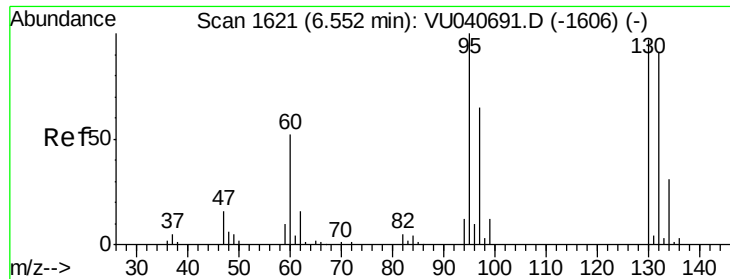
Tot Ion: 83 Resp: 2210
Ion Ratio Lower Upper
83 100
85 73.8 46.5 86.5



#33
Benzene
Concen: 0.036 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.01 min
Lab File: VU040697.D
Acq: 14 Oct 2020 14:37

Tgt Ion: 78 Resp: 1419





#34

Trichloroethene

Concen: 0.239 ug/L

RT: 6.26 min Scan# 1531

Delta R.T. -0.29 min

Lab File: VU040697.D

Acq: 14 Oct 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

BFSC3

Tot Ion: 95 Resp: 2408

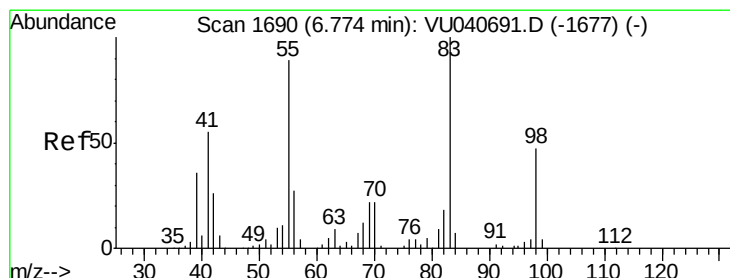
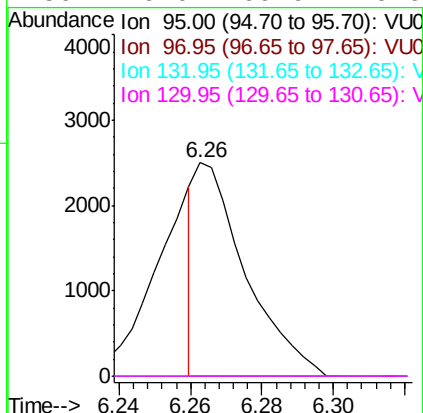
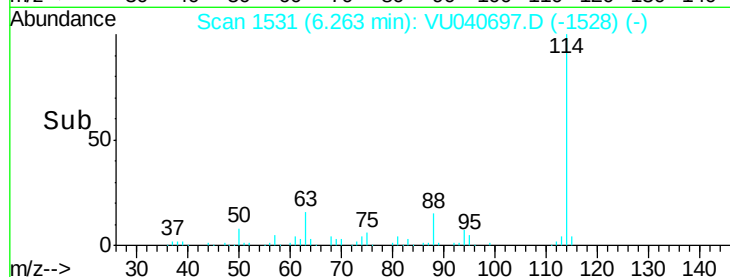
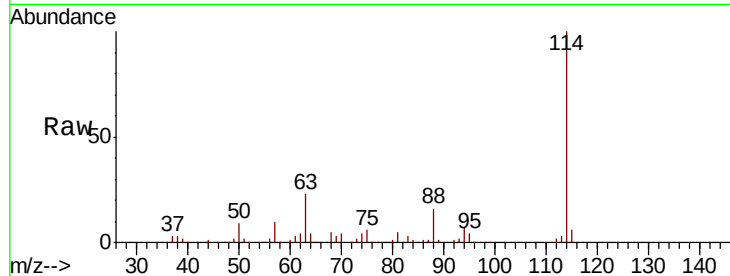
Ion Ratio Lower Upper

95 100

97 0.0 45.5 84.5#

132 0.0 67.5 125.4#

130 0.0 69.9 129.9#



#35

Methylcyclohexane

Concen: 0.967 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040697.D

Acq: 14 Oct 2020 14:37

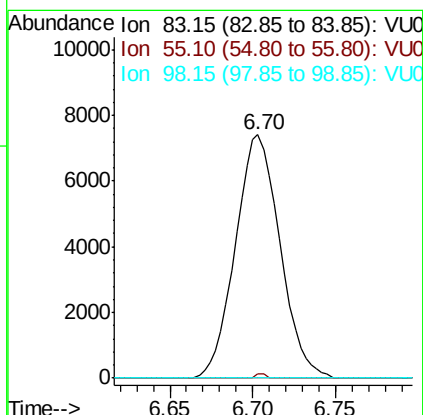
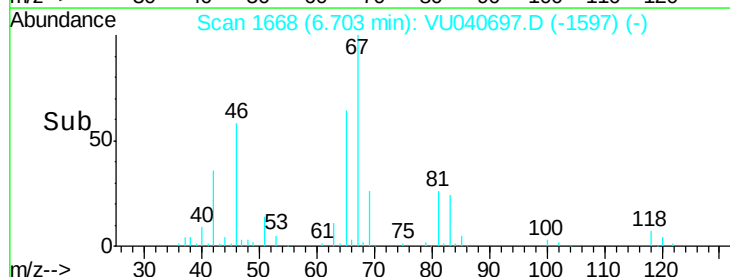
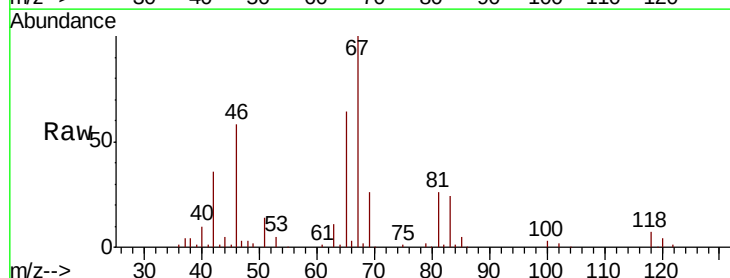
Tgt Ion: 83 Resp: 13834

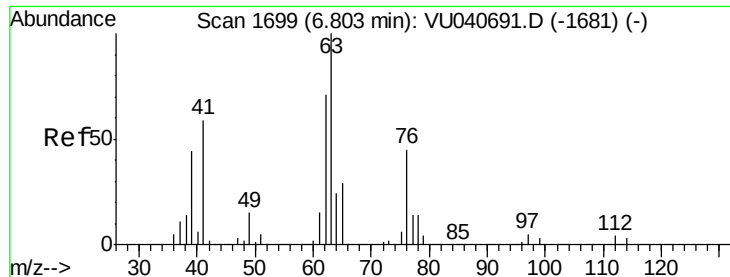
Ion Ratio Lower Upper

83 100

55 0.3 70.7 106.1#

98 0.0 38.4 57.6#

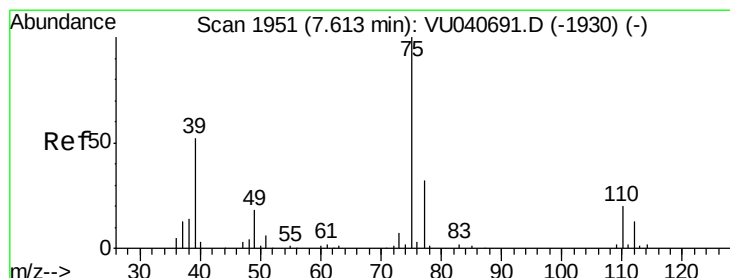
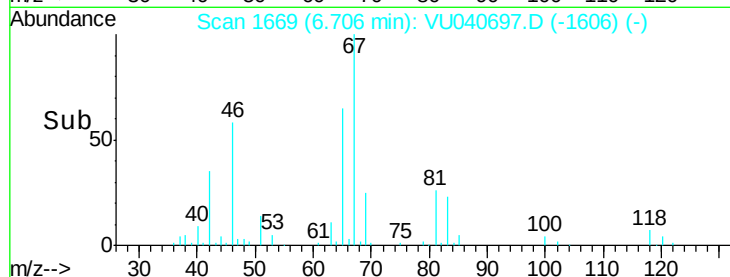
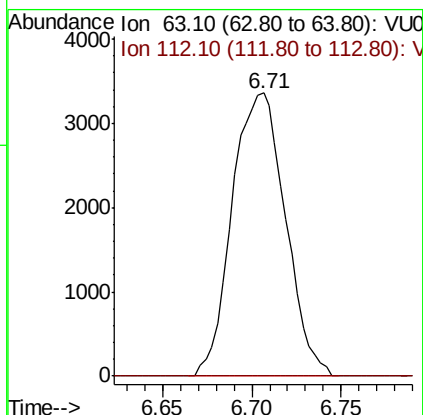
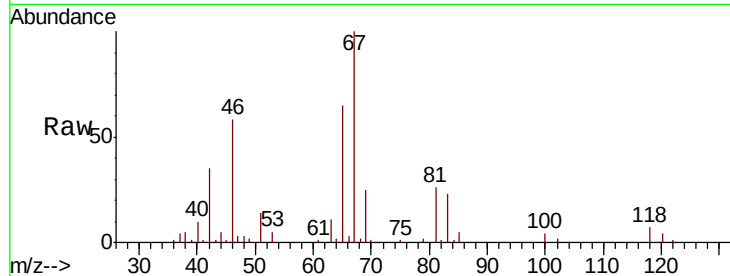




#37
 1,2-Dichloropropane
 Concen: 0.645 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU040697.D
 Acq: 14 Oct 2020 14:37

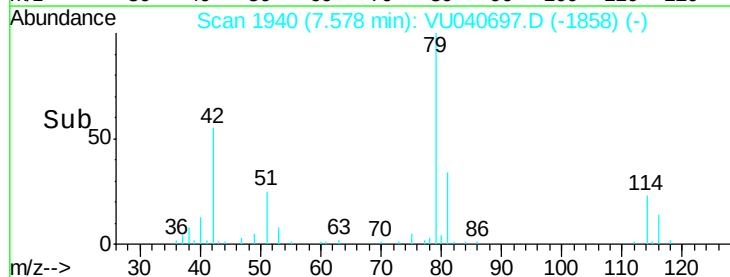
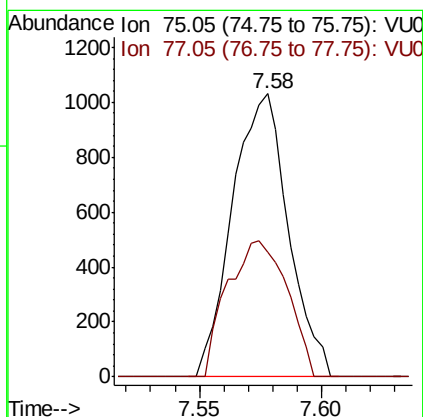
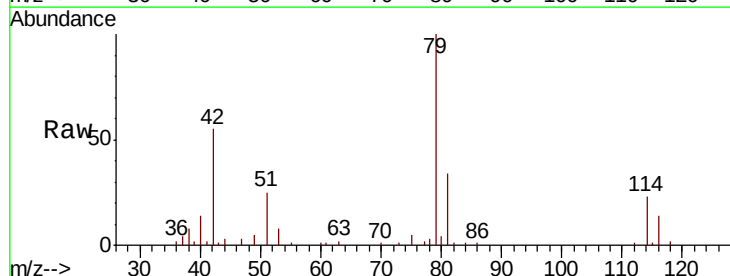
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSC3

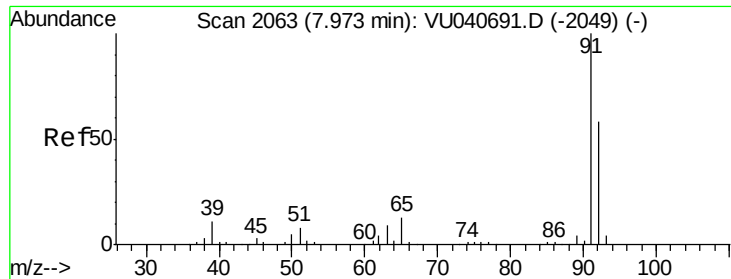
Tot Ion: 63 Resp: 6996
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040697.D
 Acq: 14 Oct 2020 14:37

Tgt Ion: 75 Resp: 1638
 Ion Ratio Lower Upper
 75 100
 77 44.2 20.5 38.1#





#42

Toluene

Concen: 0.038 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040697.D

Acq: 14 Oct 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

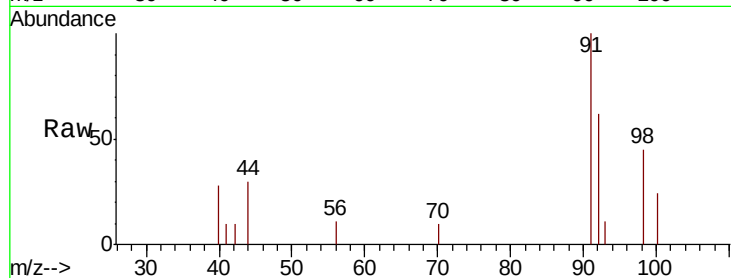
BFSC3

Tot Ion: 91 Resp: 1509

Ion Ratio Lower Upper

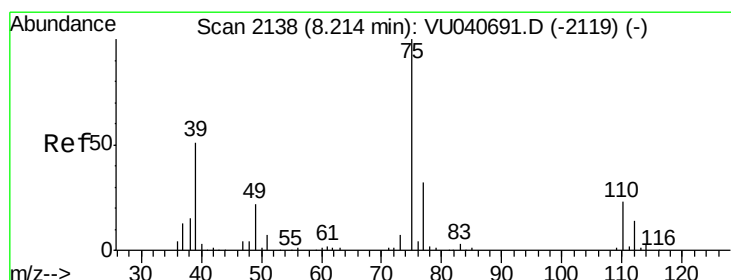
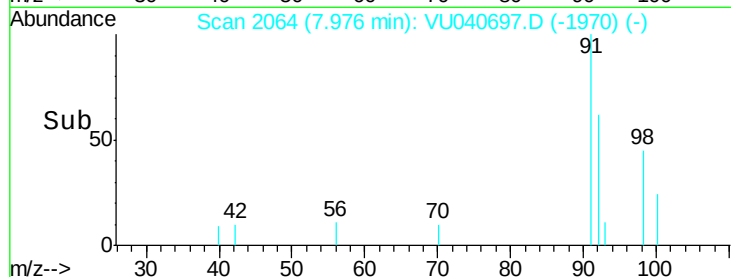
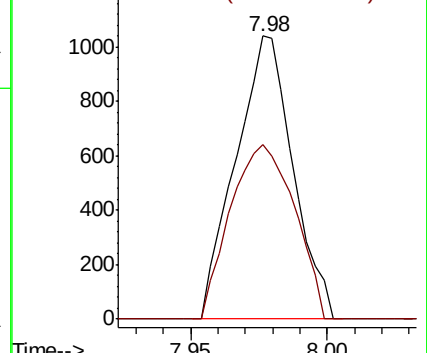
91 100

92 61.6 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040697.D

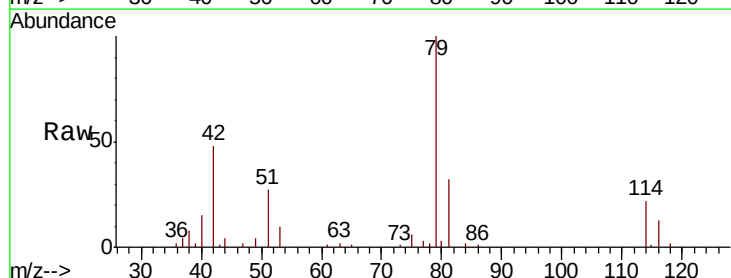
Acq: 14 Oct 2020 14:37

Tgt Ion: 75 Resp: 1273

Ion Ratio Lower Upper

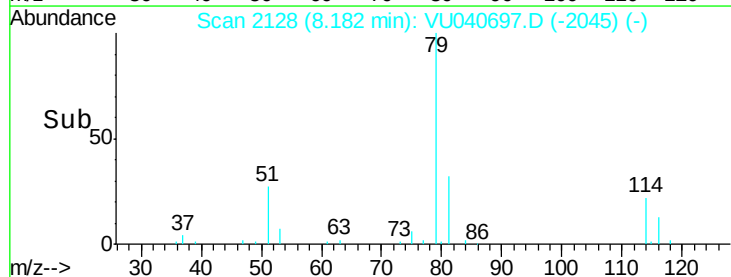
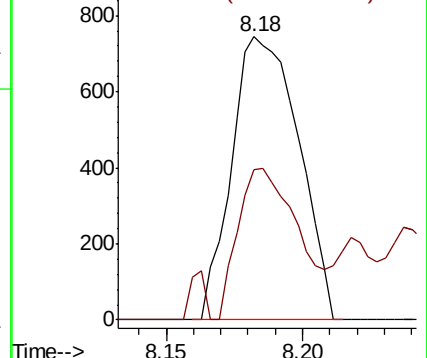
75 100

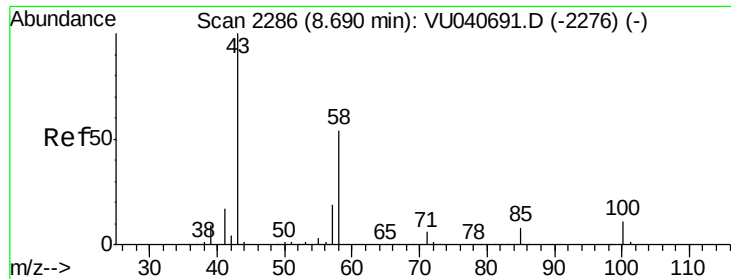
77 53.0 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#48

2-Hexanone

Concen: 2.837 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040697.D

Acq: 14 Oct 2020 14:37

Instrument :

MSVOA_U

ClientSampleId :

BFSC3

Tot Ion: 43 Resp: 18267

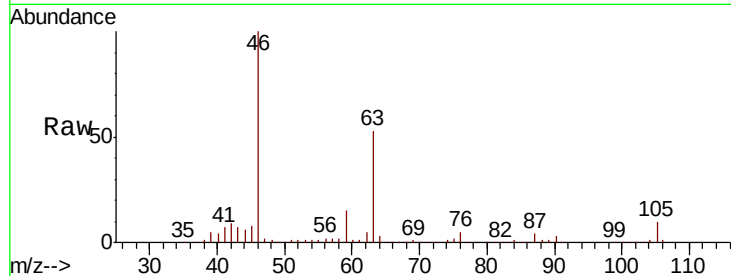
Ion Ratio Lower Upper

43 100

58 31.9 41.0 61.6#

57 31.1 14.4 21.6#

100 1.0 8.6 13.0#

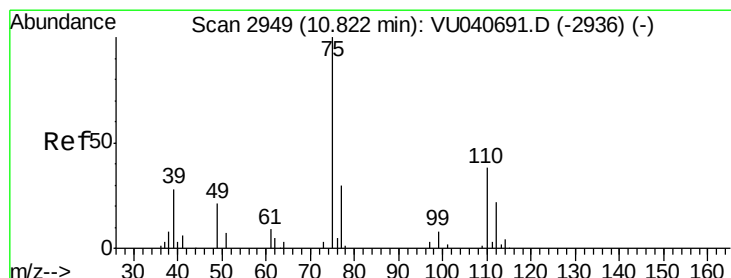
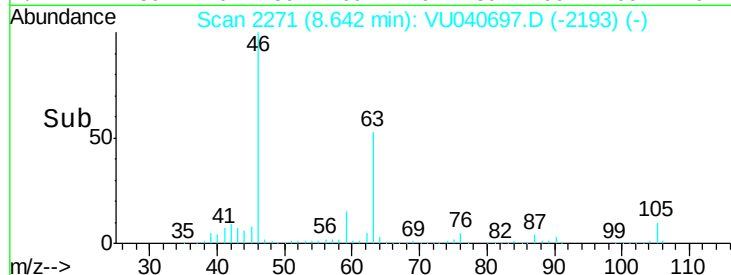
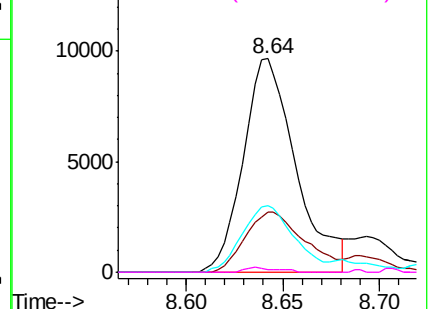


Abundance Ion 43.05 (42.75 to 43.75): VU040697.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040697.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040697.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040697.D (-2193) (-)



#59

1,2,3-Trichloropropane

Concen: 0.837 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040697.D

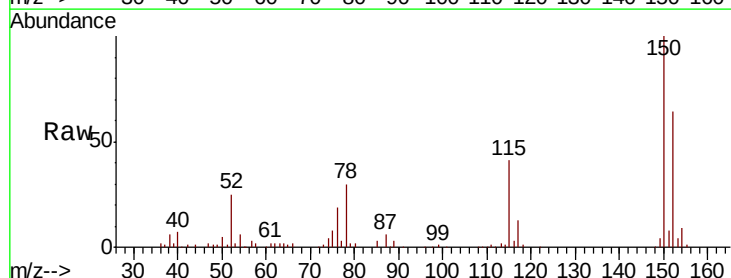
Acq: 14 Oct 2020 14:37

Tgt Ion: 75 Resp: 6667

Ion Ratio Lower Upper

75 100

77 41.7 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU040697.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU040697.D (-2327) (-)

