

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101520\
 Data File : VU040721.D
 Acq On : 15 Oct 2020 15:32
 Operator : SY/MD
 Sample : L4421-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSG1

Quant Time: Oct 16 04:32:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 04:23:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	111773	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118034	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49959	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40865	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.92	69	37618	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.58	63	65367	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	4.65	46	167336	56.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.92%
24) Chloroform-d	5.08	84	87623	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.72	65	54973	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.74	84	159742	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	54734	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.91	98	127992	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.19	79	21547	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	8.64	63	115702	50.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49840	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	53940	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	11920	1.259 ug/L	95
8) Chloroethane	1.94	64	669	0.105 ug/L #	73
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	474	0.051 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	440	0.055 ug/L #	1
13) Acetone	2.66	43	8077	3.516 ug/L	98
25) Chloroform	5.11	83	4344	0.246 ug/L	97
27) 1,2-Dichloroethane	5.74	62	434	0.035 ug/L #	77
35) Methylcyclohexane	6.70	83	12517	0.898 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6320	0.598 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1619	0.112 ug/L #	65
44) trans-1,3-Dichloropropene	8.18	75	1024	0.077 ug/L #	57
47) Tetrachloroethene	8.56	164	2951	0.421 ug/L	96
48) 2-Hexanone	8.64	43	16309	2.600 ug/L #	77
49) Dibromochloromethane	8.56	129	2797	0.307 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6677	0.860 ug/L	91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 16 04:23:22 2020
Response via : Initial Calibration

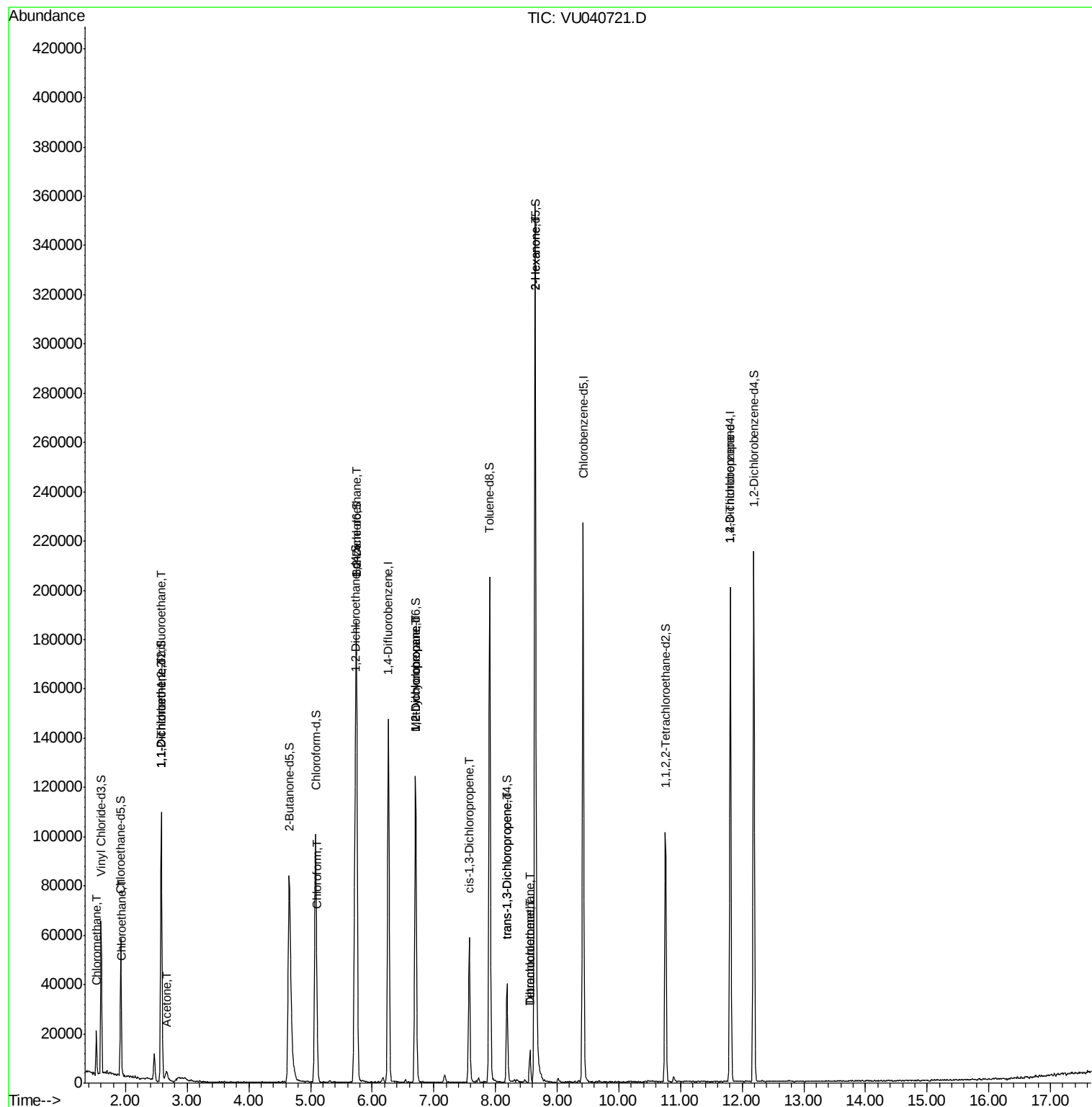
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

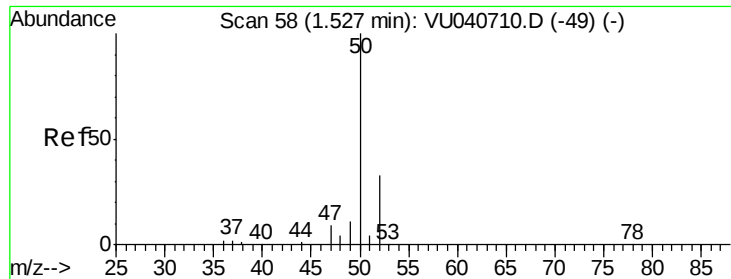
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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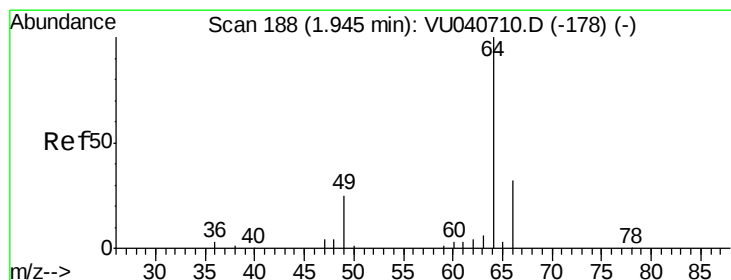
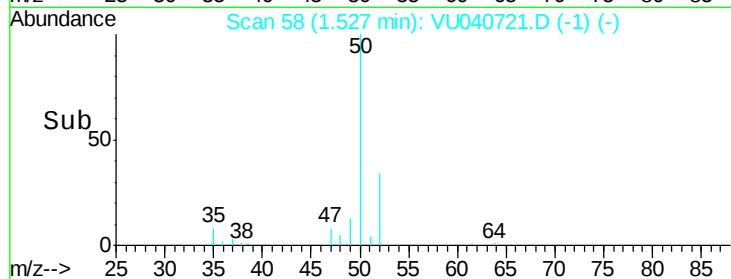
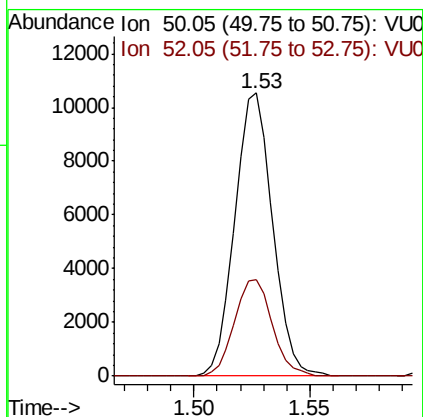
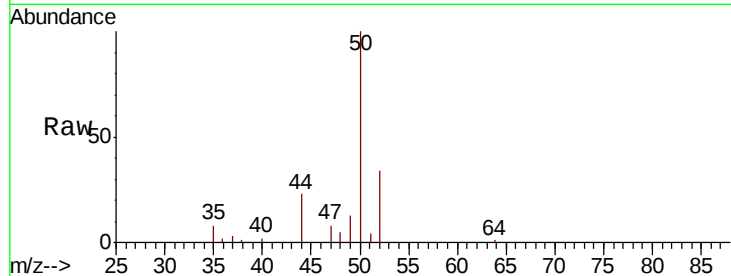




#3
Chloromethane
Concen: 1.259 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU040721.D
Acq: 15 Oct 2020 15:32

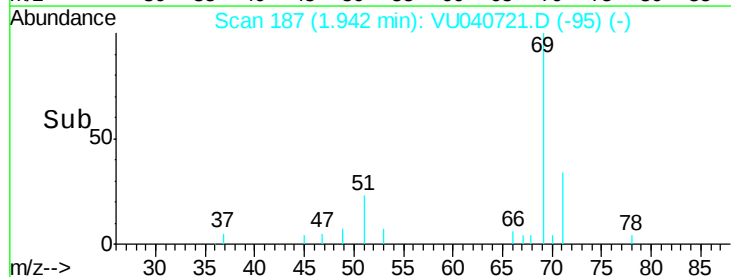
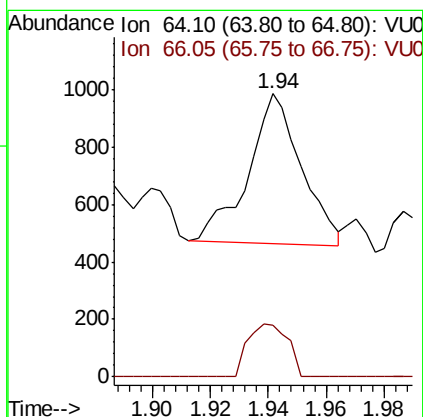
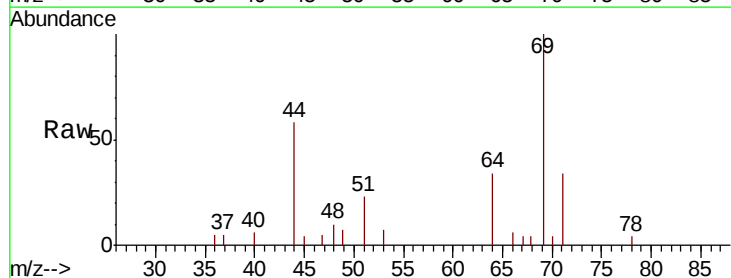
Instrument :
MSVOA_U
ClientSampleId :
BFSG1

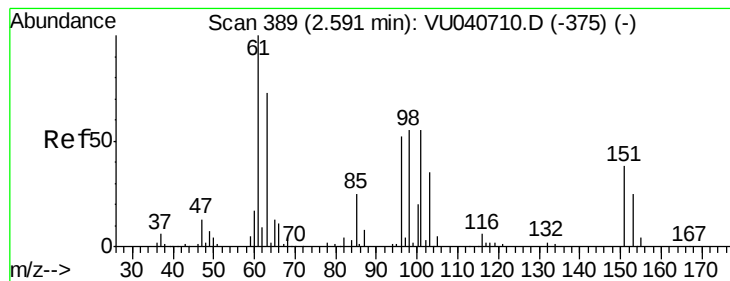
Tot Ion: 50 Resp: 11920
Ion Ratio Lower Upper
50 100
52 34.1 21.9 40.7



#8
Chloroethane
Concen: 0.105 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040721.D
Acq: 15 Oct 2020 15:32

Tgt Ion: 64 Resp: 669
Ion Ratio Lower Upper
64 100
66 18.3 23.3 43.3#





#10

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

Concen: 0.051 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040721.D

Acq: 15 Oct 2020 15:32

Instrument :

MSVOA_U

ClientSampled :

BFSG1

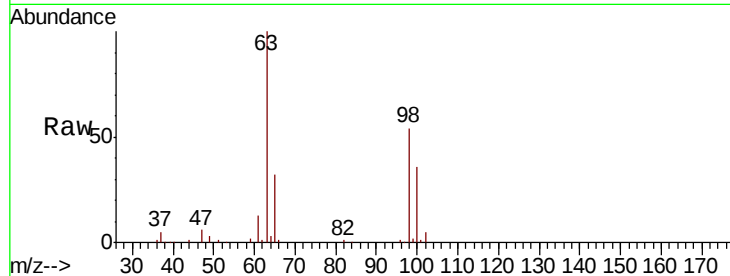
Tot Ion:101 Resp: 474

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



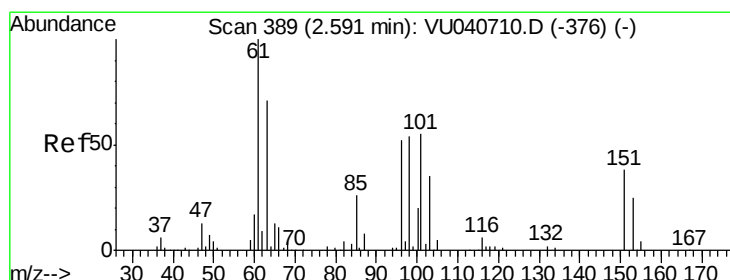
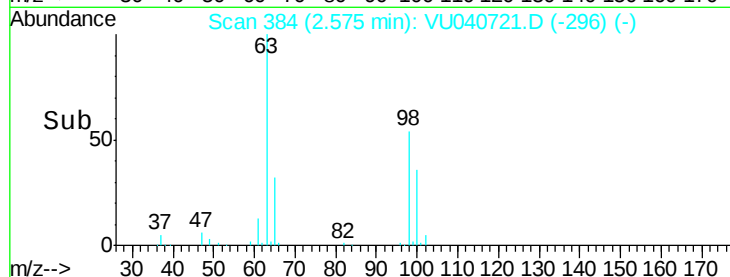
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.57

Time--> 2.54 2.56 2.58 2.60



#12

1,1-Dichloroethene

Concen: 0.055 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040721.D

Acq: 15 Oct 2020 15:32

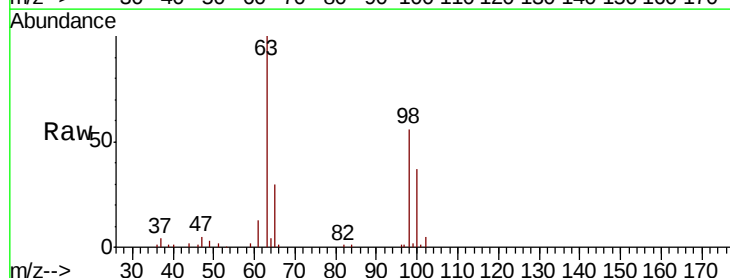
Tgt Ion: 96 Resp: 440

Ion Ratio Lower Upper

96 100

61 1713.2 128.8 239.2#

63 12776.6 84.6 157.2#



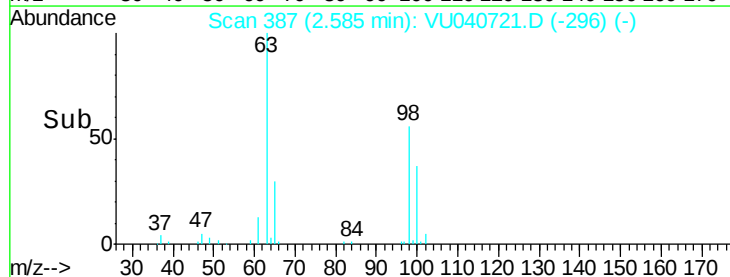
Abundance Ion 96.00 (95.70 to 96.70): VU0

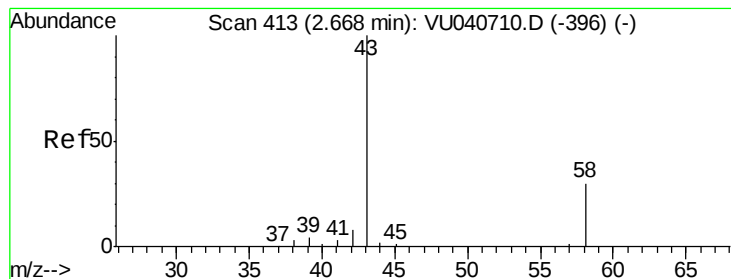
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.58

Time--> 2.54 2.56 2.58 2.60 2.62





#13

Acetone

Concen: 3.516 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU040721.D

Acq: 15 Oct 2020 15:32

Instrument :

MSVOA_U

ClientSampleId :

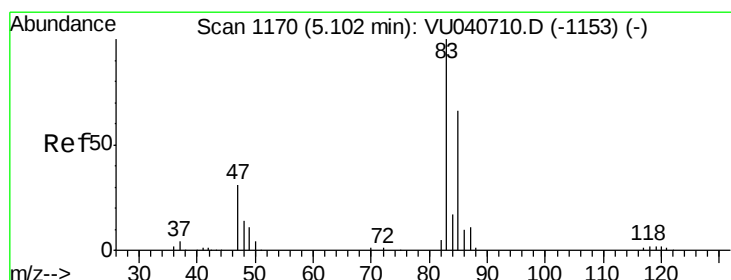
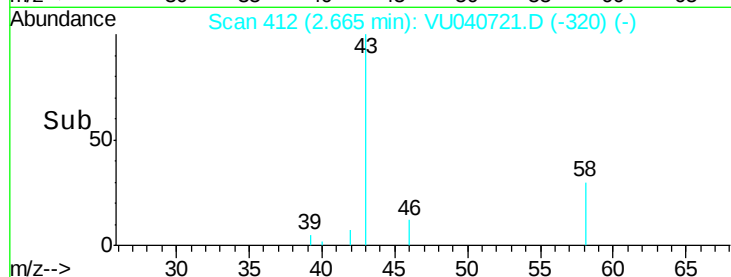
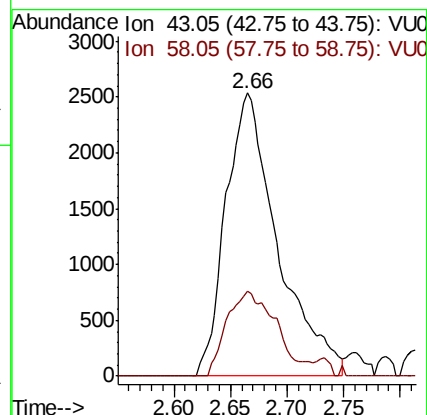
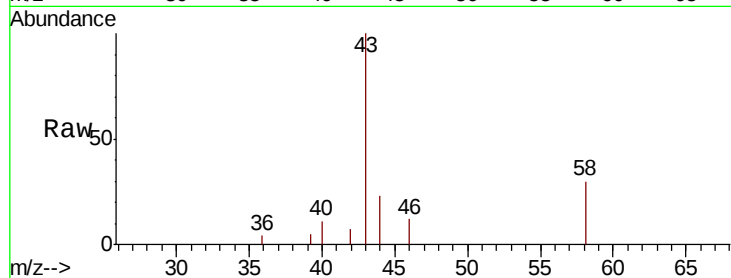
BFSG1

Tot Ion: 43 Resp: 8077

Ion Ratio Lower Upper

43 100

58 29.2 0.0 60.6



#25

Chloroform

Concen: 0.246 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VU040721.D

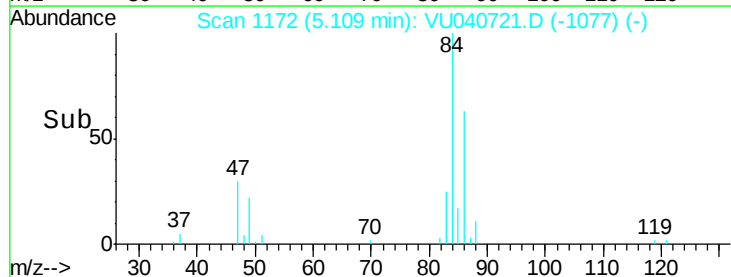
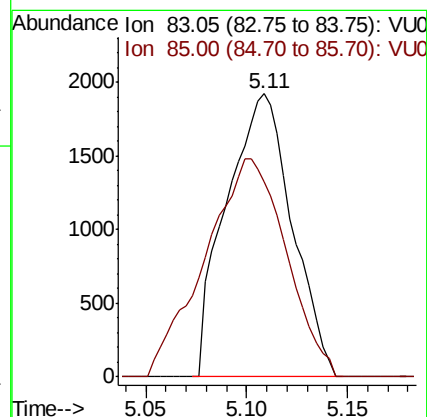
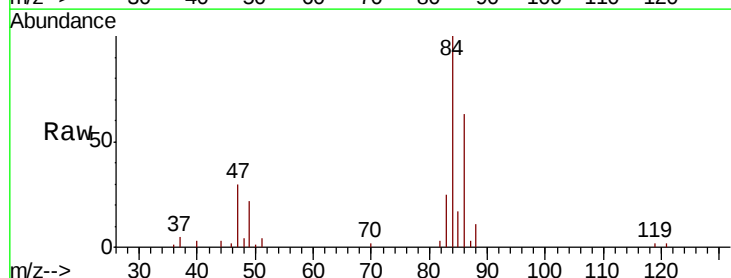
Acq: 15 Oct 2020 15:32

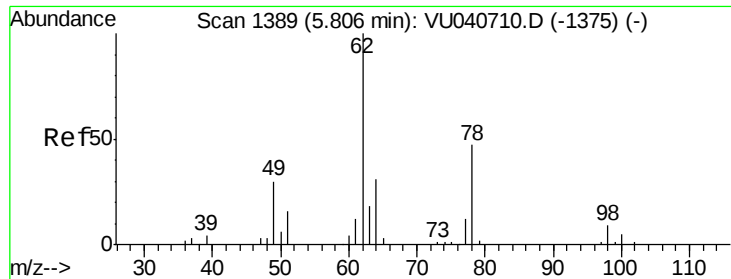
Tgt Ion: 83 Resp: 4344

Ion Ratio Lower Upper

83 100

85 68.9 46.5 86.5

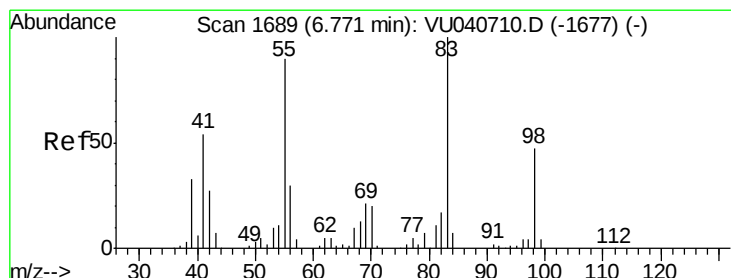
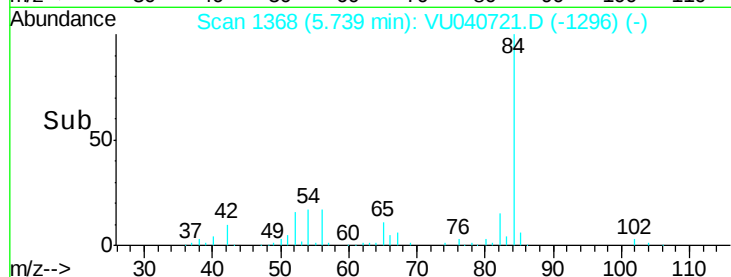
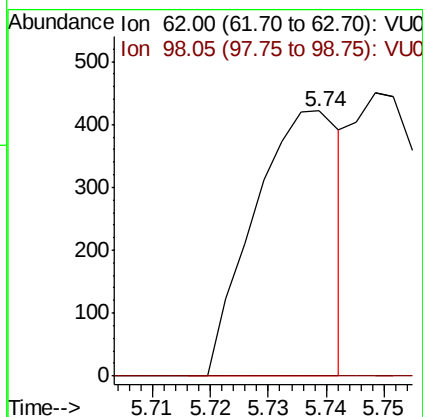
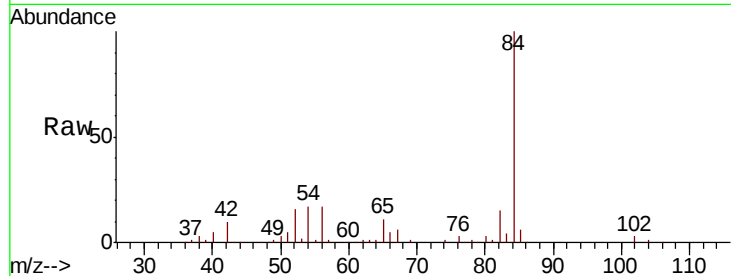




#27
 1,2-Dichloroethane
 Concen: 0.035 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU040721.D
 Acq: 15 Oct 2020 15:32

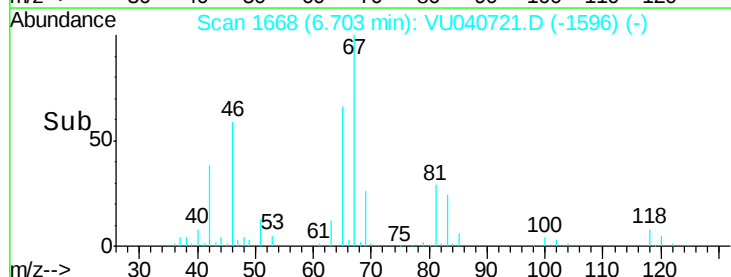
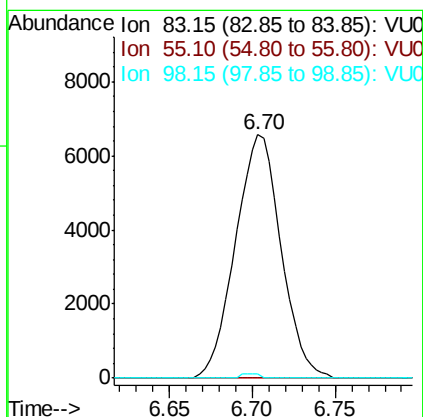
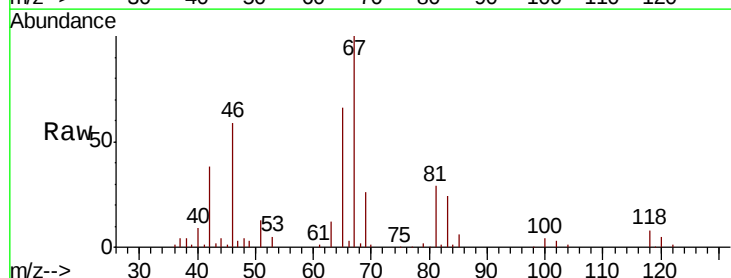
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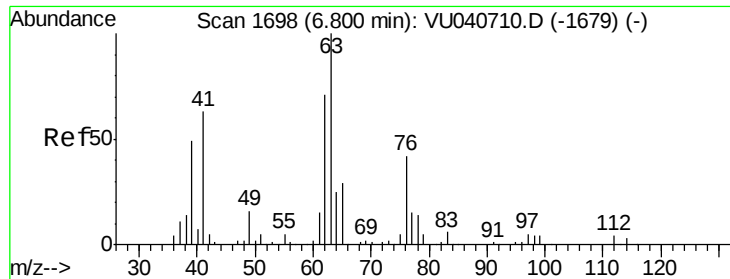
Tot Ion: 62 Resp: 434
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 0.898 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040721.D
 Acq: 15 Oct 2020 15:32

Tgt Ion: 83 Resp: 12517
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 0.7 38.4 57.6#

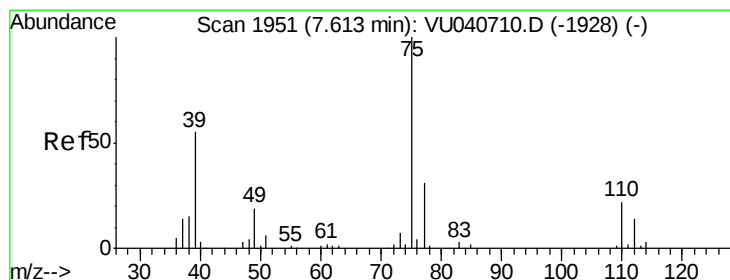
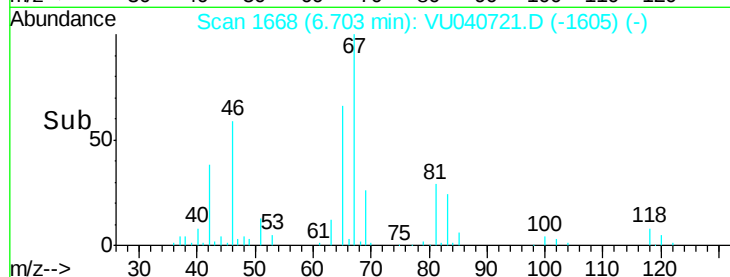
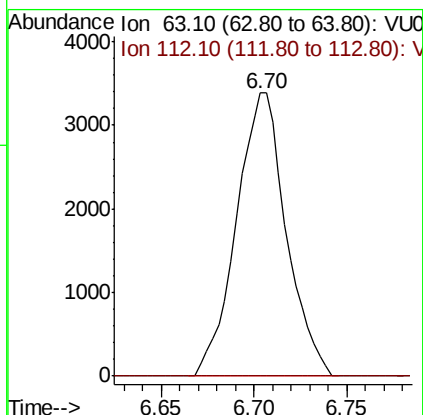
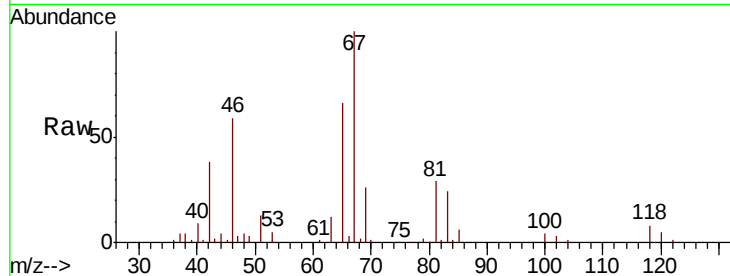




#37
 1,2-Dichloropropane
 Concen: 0.598 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040721.D
 Acq: 15 Oct 2020 15:32

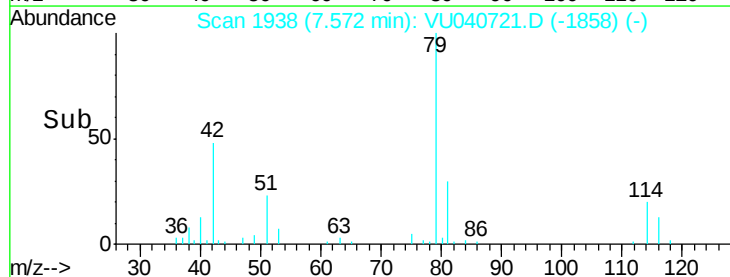
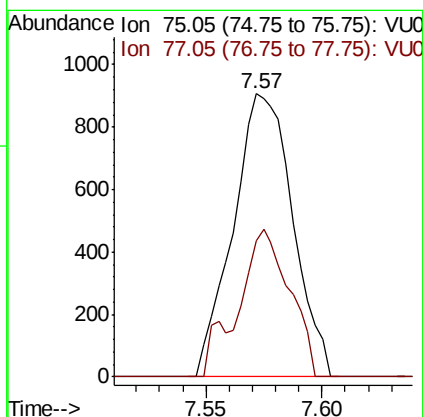
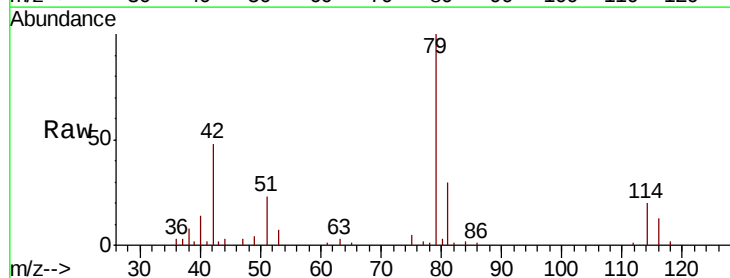
Instrument :
 MSVOA_U
 ClientSampleId :
 BFGS1

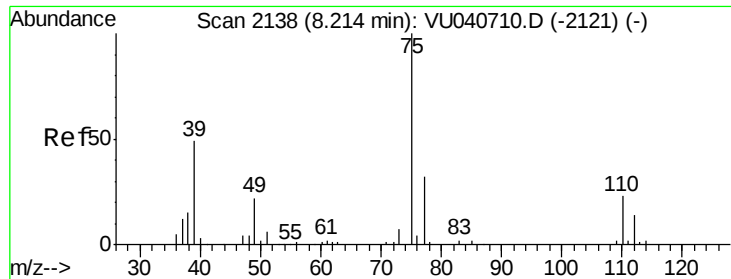
Tot Ion: 63 Resp: 6320
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040721.D
 Acq: 15 Oct 2020 15:32

Tgt Ion: 75 Resp: 1619
 Ion Ratio Lower Upper
 75 100
 77 48.3 20.5 38.1#

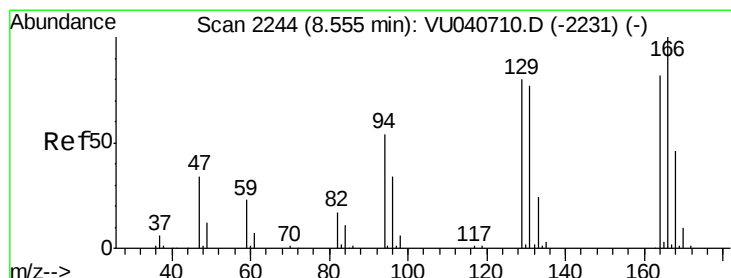
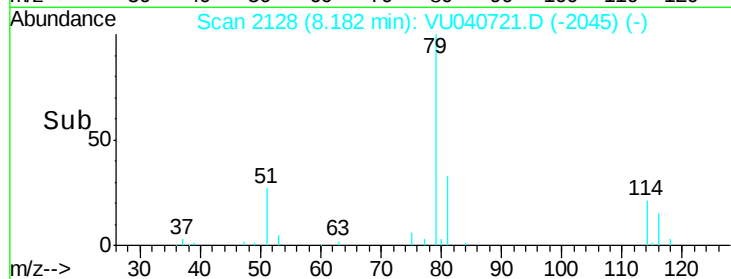
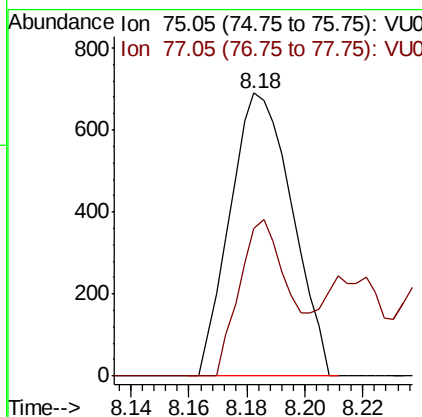
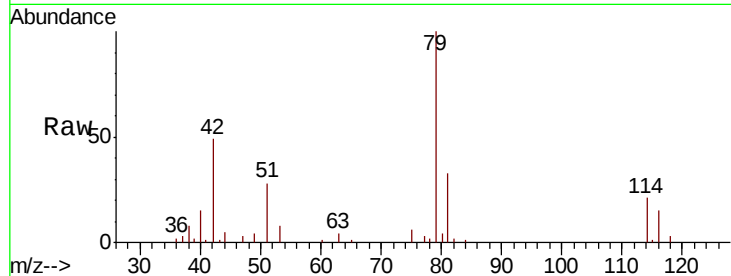




#44
trans-1,3-Dichloropropene
Concen: 0.077 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU040721.D
Acq: 15 Oct 2020 15:32

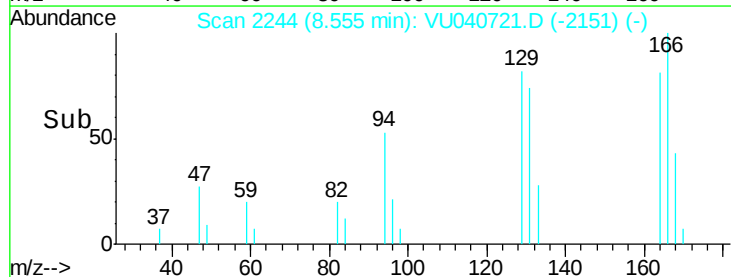
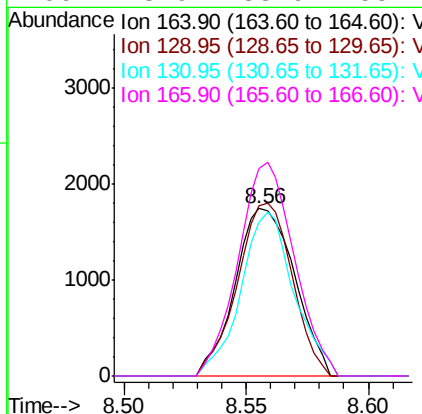
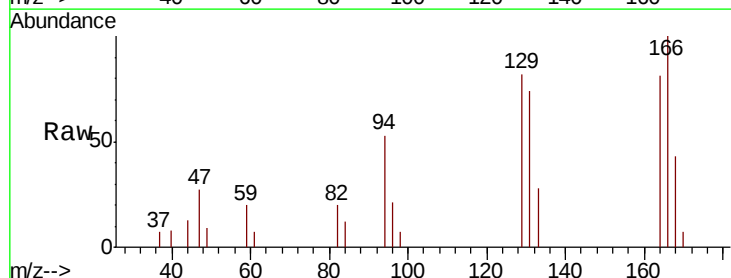
Instrument :
MSVOA_U
ClientSampleId :
BFSG1

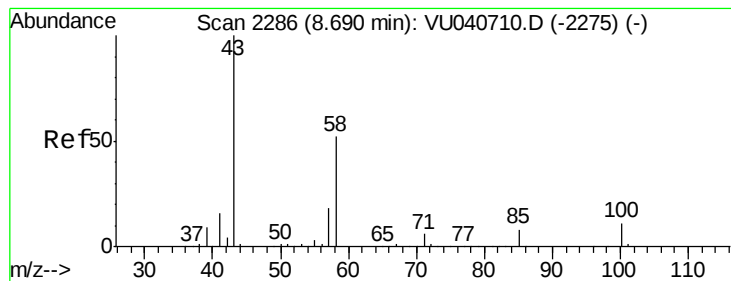
Tot Ion: 75 Resp: 1024
Ion Ratio Lower Upper
75 100
77 52.2 20.4 38.0#



#47
Tetrachloroethene
Concen: 0.421 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU040721.D
Acq: 15 Oct 2020 15:32

Tgt Ion:164 Resp: 2951
Ion Ratio Lower Upper
164 100
129 101.3 68.8 127.8
131 91.5 66.7 123.9
166 123.9 83.9 155.7





#48

2-Hexanone

Concen: 2.600 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040721.D

Acq: 15 Oct 2020 15:32

Instrument :

MSVOA_U

ClientSampled :

BFSG1

Tot Ion: 43 Resp: 16309

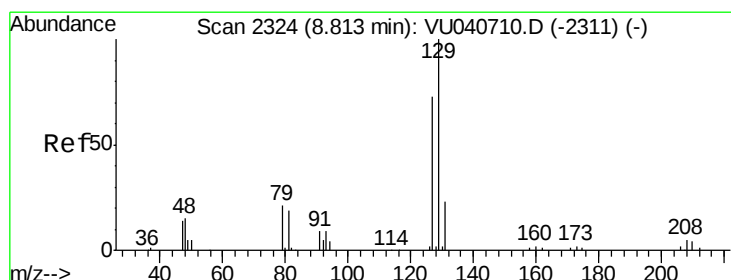
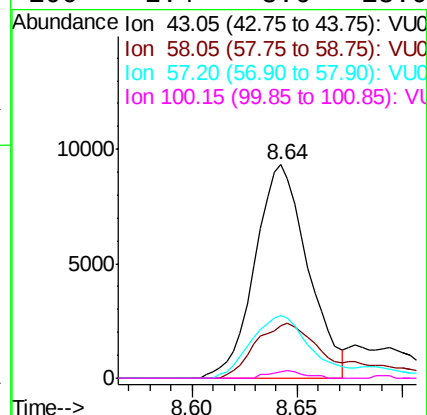
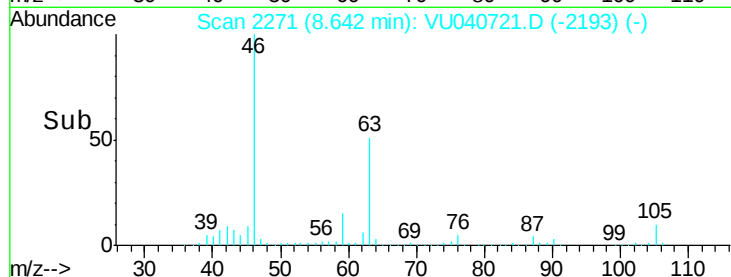
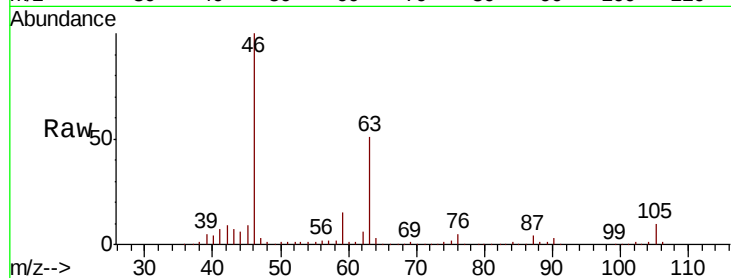
Ion Ratio Lower Upper

43 100

58 37.5 41.0 61.6#

57 33.0 14.4 21.6#

100 2.4 8.6 13.0#



#49

Dibromochloromethane

Concen: 0.307 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040721.D

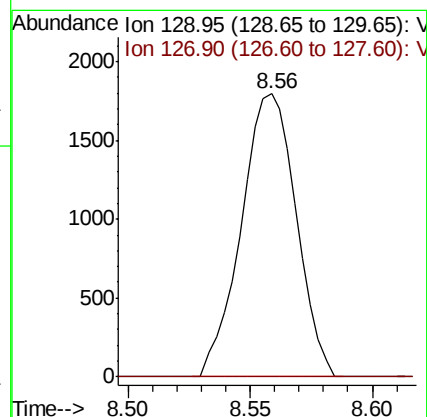
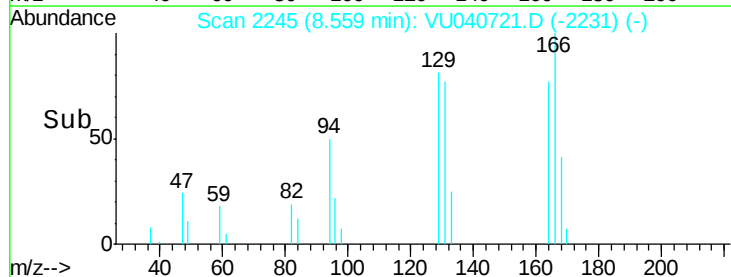
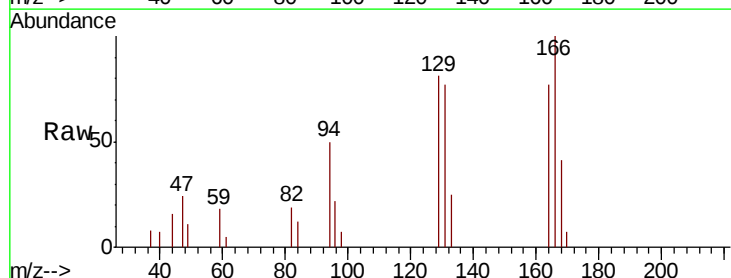
Acq: 15 Oct 2020 15:32

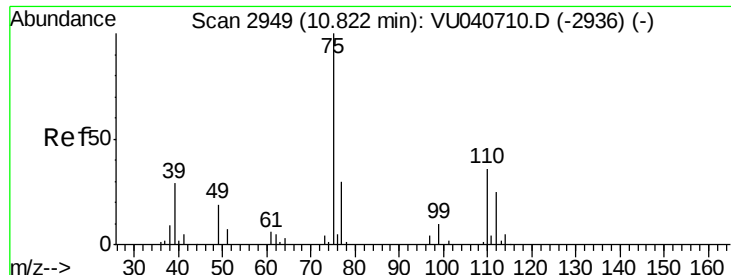
Tgt Ion: 129 Resp: 2797

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#





#59

1,2,3-Trichloropropane

Concen: 0.860 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040721.D

Acq: 15 Oct 2020 15:32

Instrument :

MSVOA_U

ClientSampleId :

BFSG1

Tot Ion: 75 Resp: 6677

Ion Ratio Lower Upper

75 100

77 38.0 26.4 39.6

