

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101520\
 Data File : VU040723.D
 Acq On : 15 Oct 2020 16:18
 Operator : SY/MD
 Sample : L4421-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSG3

Quant Time: Oct 16 04:33:06 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	107354	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115010	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46413	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	42572	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.92	69	38352	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.80%
11) 1,1-Dichloroethene-d2	2.58	63	67729	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.65	46	167073	58.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.38%
24) Chloroform-d	5.08	84	91941	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.80%
26) 1,2-Dichloroethane-d4	5.72	65	55249	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
32) Benzene-d6	5.75	84	164441	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.70	67	56372	5.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.40%
41) Toluene-d8	7.91	98	130633	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.19	79	21051	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.64	63	116655	51.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50437	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	53683	6.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	124.80%#

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	984	0.108 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	542	0.061 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	632	0.083 ug/L #	1
13) Acetone	2.66	43	10441	4.732 ug/L	90
15) Methyl Acetate	2.98	43	571	0.113 ug/L #	56
25) Chloroform	5.11	83	1779	0.105 ug/L	99
27) 1,2-Dichloroethane	5.74	62	910	0.076 ug/L #	77
35) Methylcyclohexane	6.70	83	13605	1.002 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6233	0.605 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1571	0.112 ug/L #	68
44) trans-1,3-Dichloropropene	8.19	75	972	0.075 ug/L	88
47) Tetrachloroethene	8.56	164	4292	0.628 ug/L	91
48) 2-Hexanone	8.64	43	19425	3.179 ug/L #	68
49) Dibromochloromethane	8.56	129	4190	0.472 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6600	0.873 ug/L	97

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

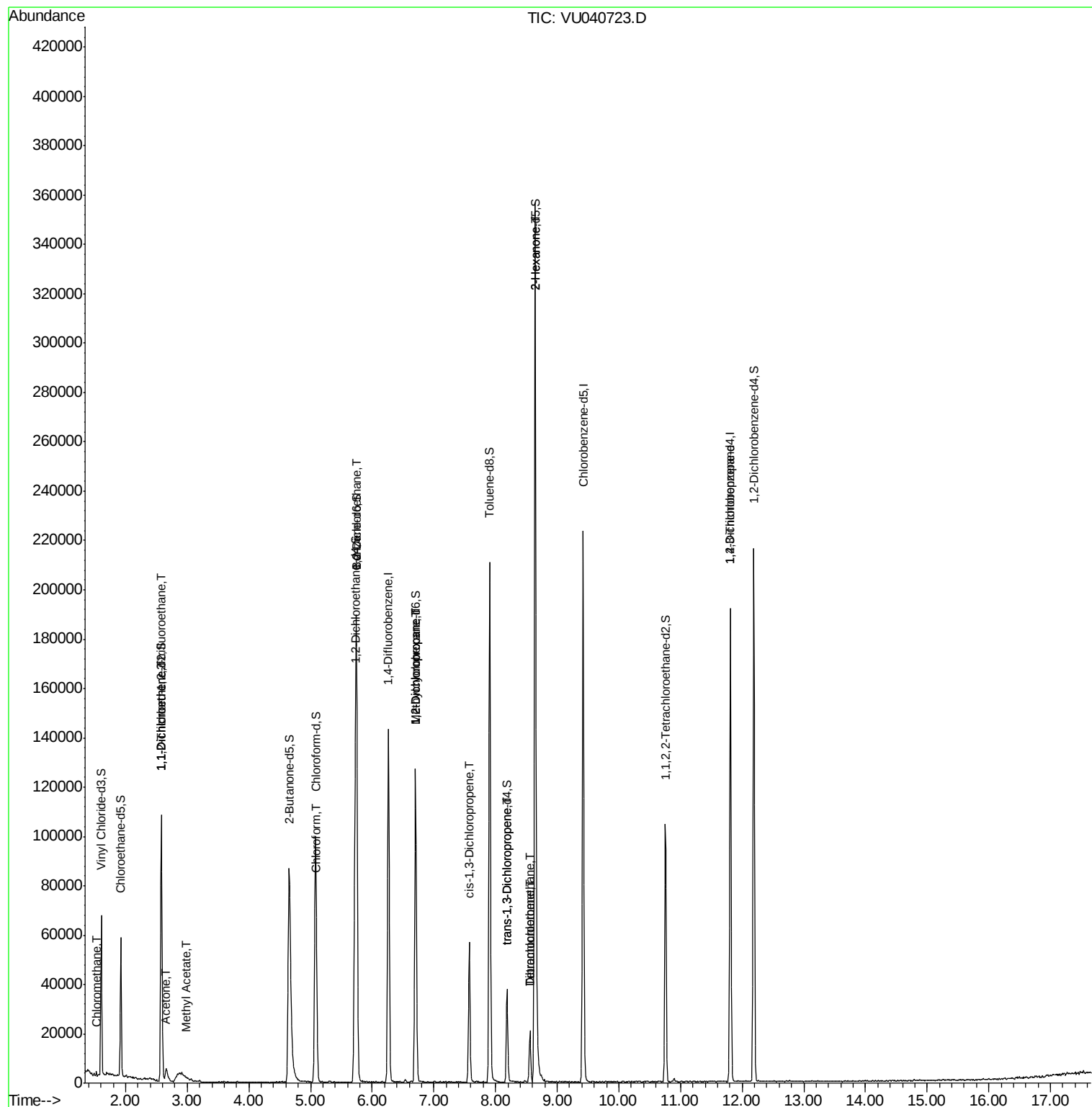
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

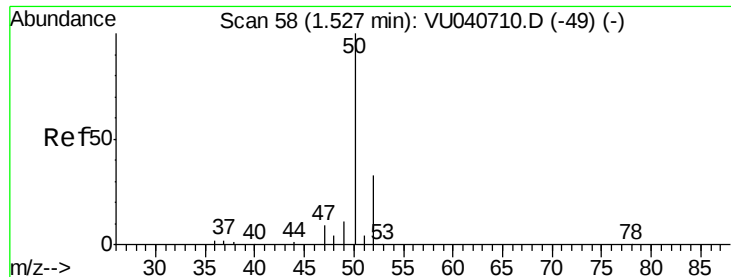
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.108 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040723.D

Acq: 15 Oct 2020 16:18

Instrument :

MSVOA_U

ClientSampleId :

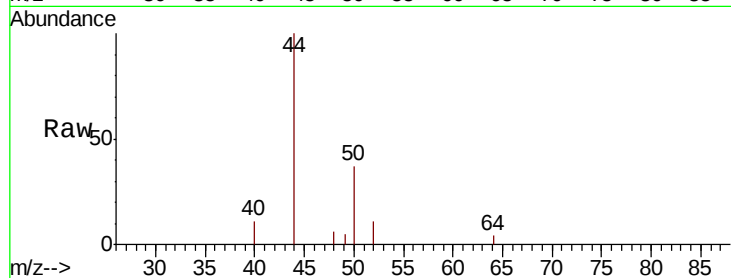
BFSG3

Tot Ion: 50 Resp: 984

Ion Ratio Lower Upper

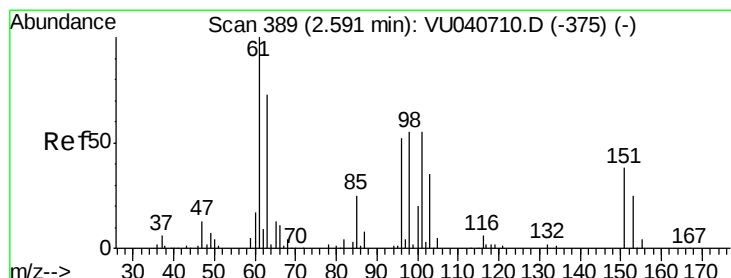
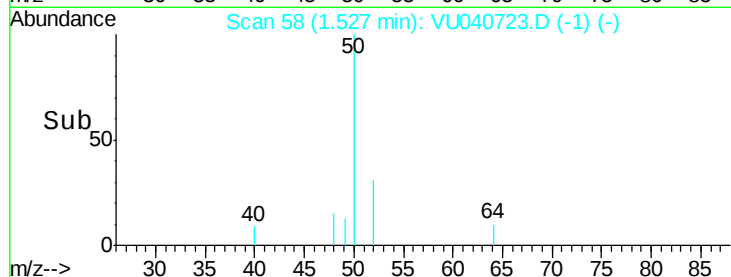
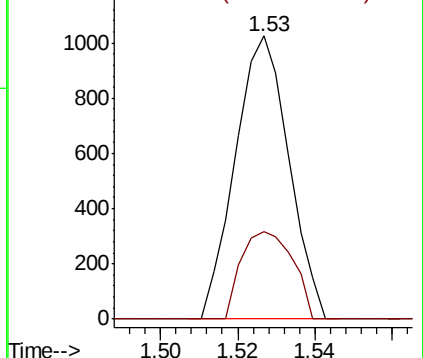
50 100

52 30.9 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040723.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040723.D (-1) (-)



#10

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

Concen: 0.061 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040723.D

Acq: 15 Oct 2020 16:18

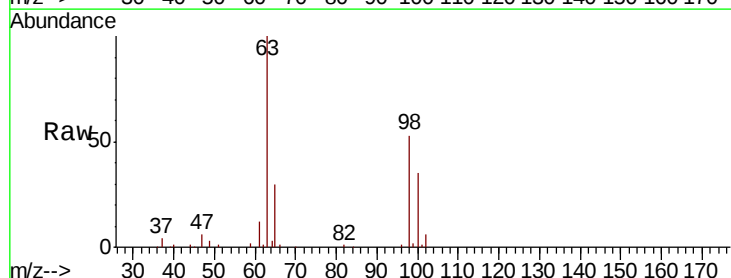
Tgt Ion:101 Resp: 542

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

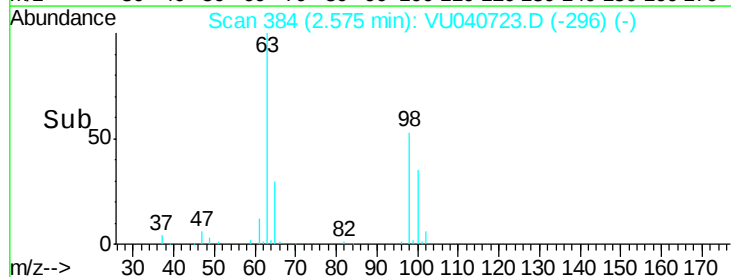
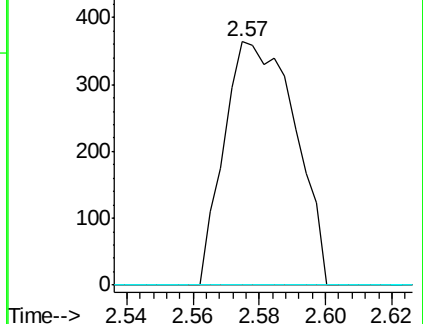
151 0.0 58.0 87.0#

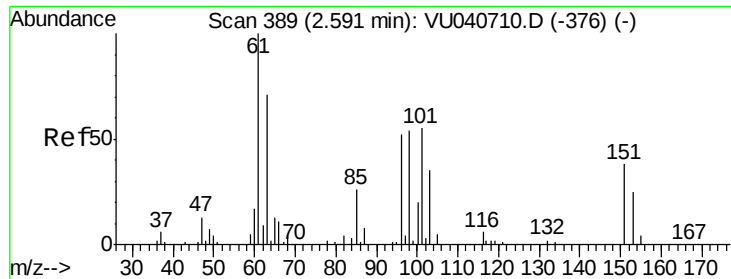


Abundance Ion 101.00 (100.70 to 101.70): VU040723.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VU040723.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VU040723.D (-296) (-)





#12

1,1-Dichloroethene

Concen: 0.083 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040723.D

Acq: 15 Oct 2020 16:18

Instrument :

MSVOA_U

ClientSampled :

BFSG3

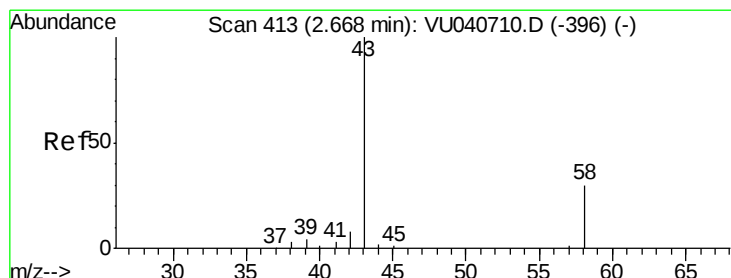
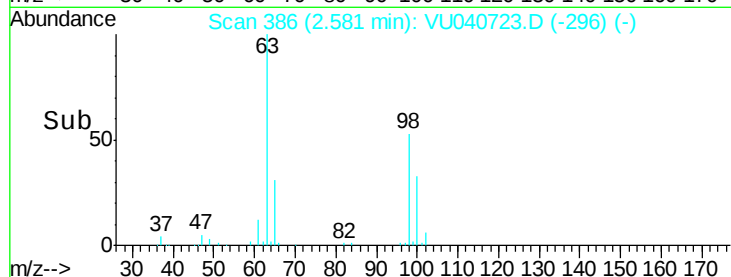
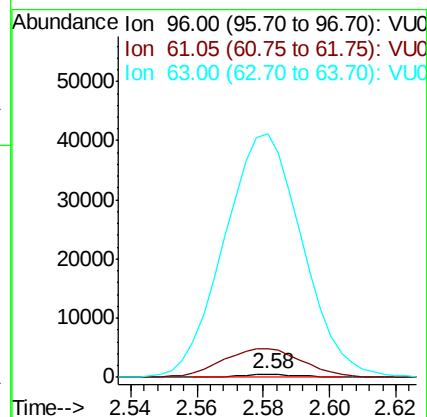
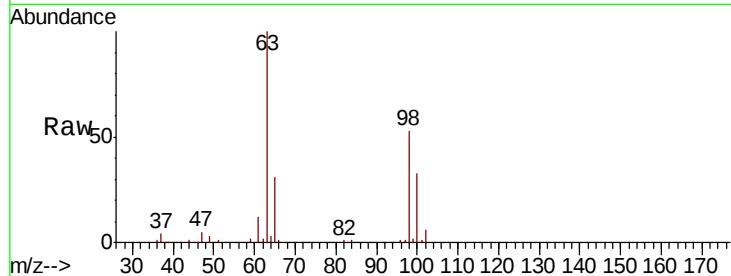
Tot Ion: 96 Resp: 632

Ion Ratio Lower Upper

96 100

61 965.7 128.8 239.2#

63 8215.6 84.6 157.2#



#13

Acetone

Concen: 4.732 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040723.D

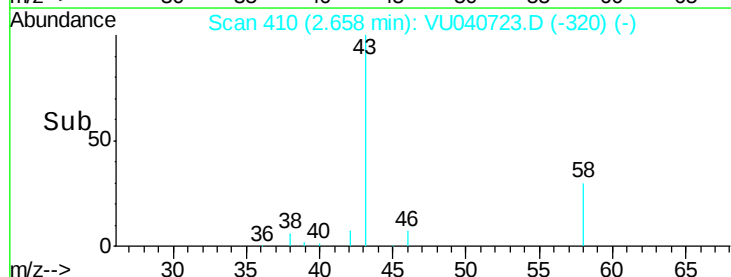
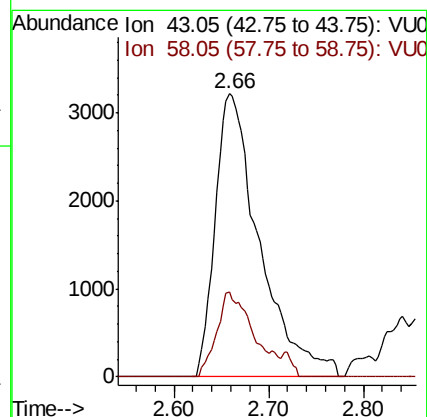
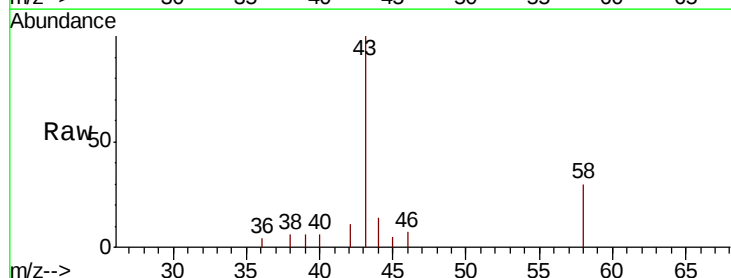
Acq: 15 Oct 2020 16:18

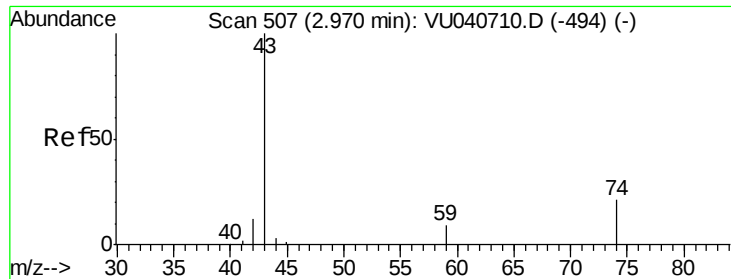
Tgt Ion: 43 Resp: 10441

Ion Ratio Lower Upper

43 100

58 25.1 0.0 60.6

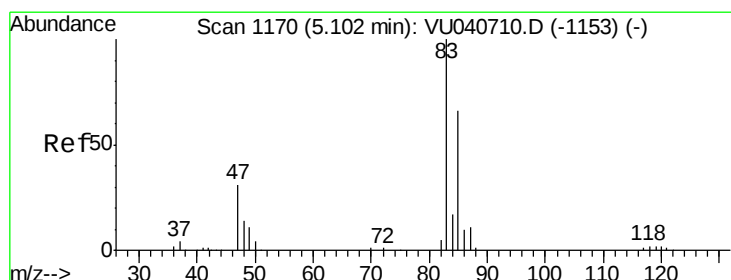
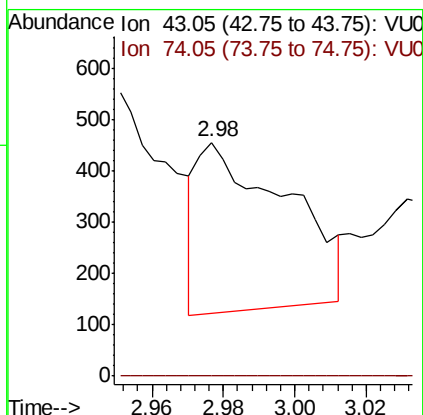
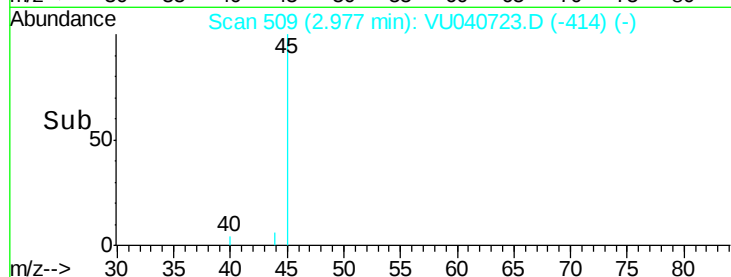
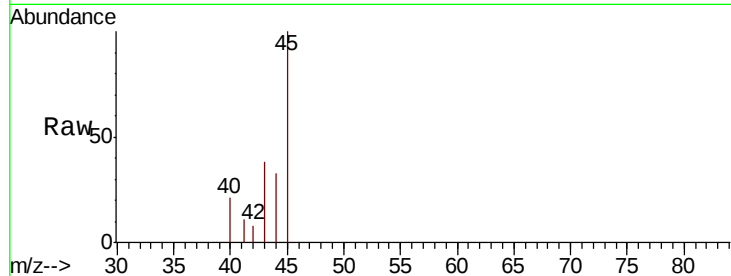




#15
Methvl Acetate
Concen: 0.113 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.01 min
Lab File: VU040723.D
Acq: 15 Oct 2020 16:18

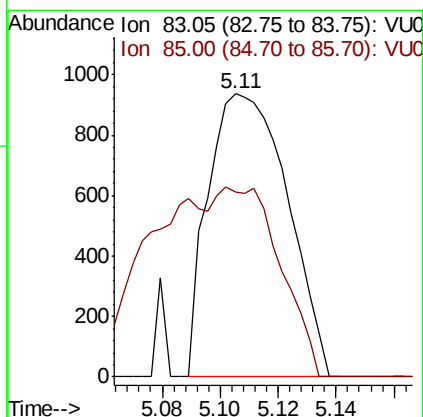
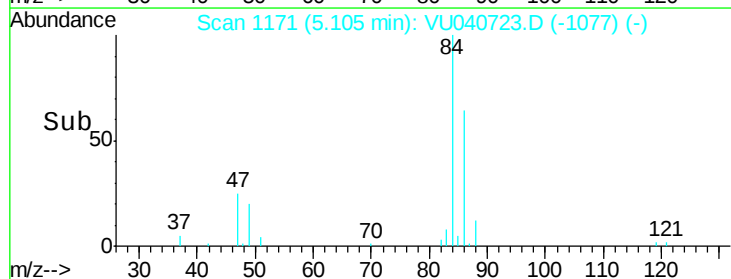
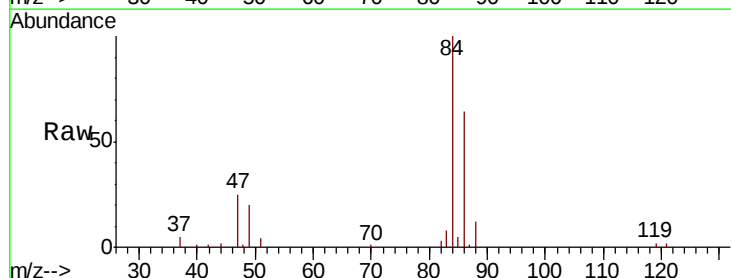
Instrument :
MSVOA_U
ClientSampled :
BFSG3

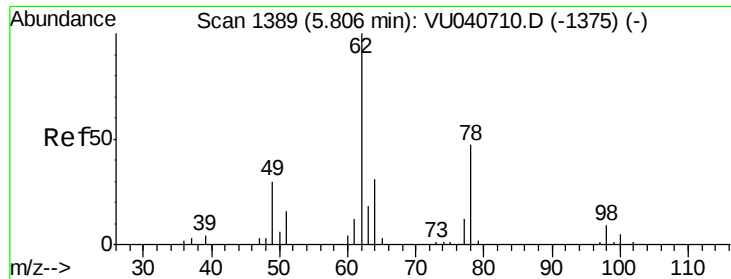
Tot Ion: 43 Resp: 571
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#25
Chloroform
Concen: 0.105 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040723.D
Acq: 15 Oct 2020 16:18

Tgt Ion: 83 Resp: 1779
Ion Ratio Lower Upper
83 100
85 65.4 46.5 86.5

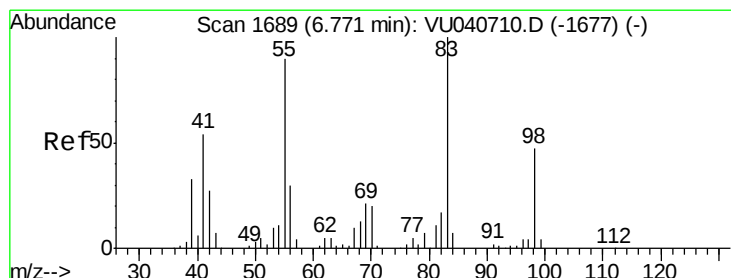
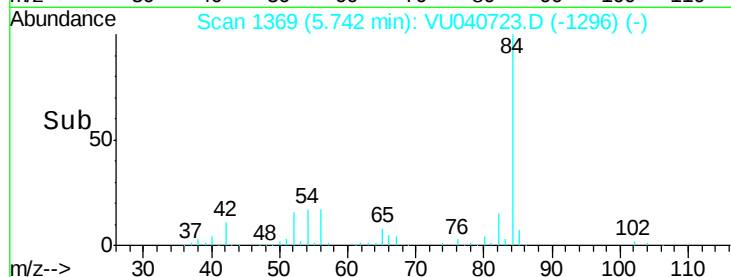
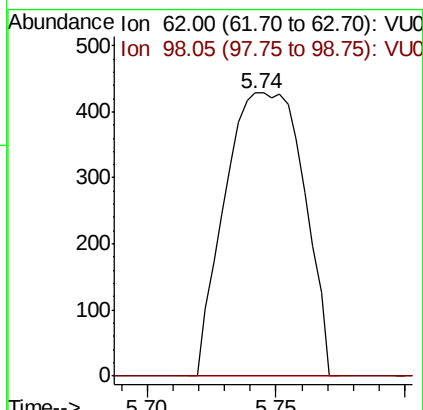
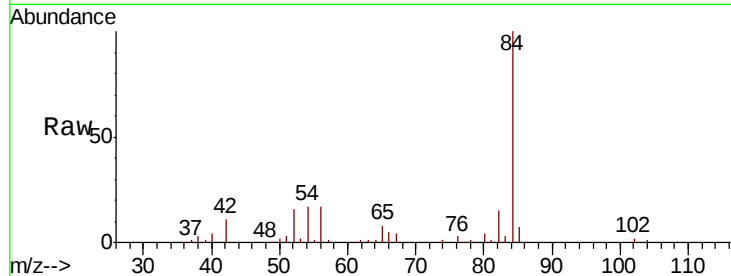




#27
 1,2-Dichloroethane
 Concen: 0.076 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU040723.D
 Acq: 15 Oct 2020 16:18

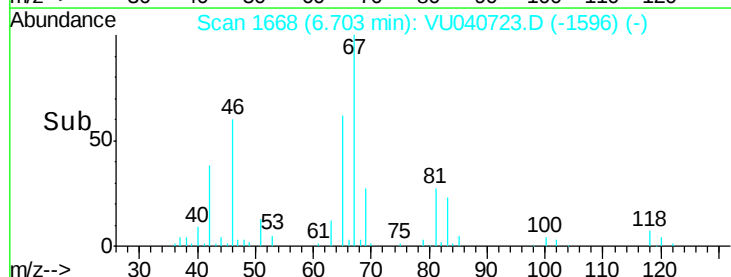
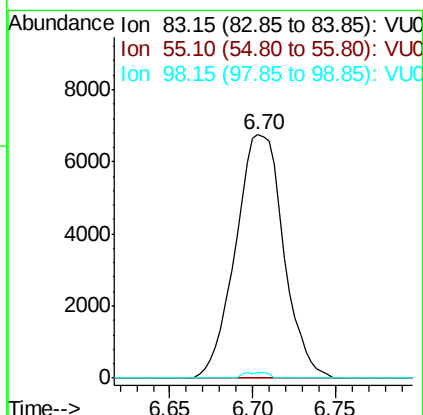
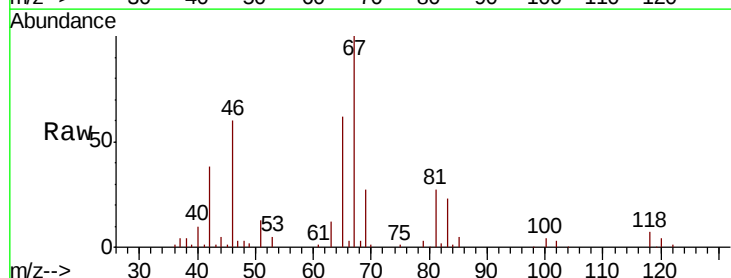
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSG3

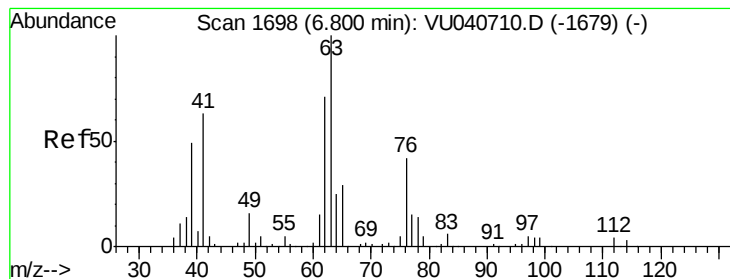
Tot Ion: 62 Resp: 910
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 1.002 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040723.D
 Acq: 15 Oct 2020 16:18

Tgt Ion: 83 Resp: 13605
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 1.1 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 0.605 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040723.D

Acq: 15 Oct 2020 16:18

Instrument :

MSVOA_U

ClientSampleId :

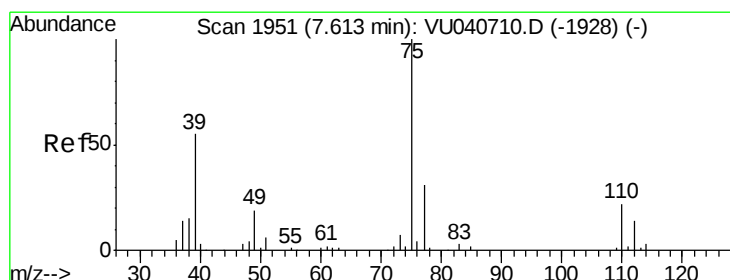
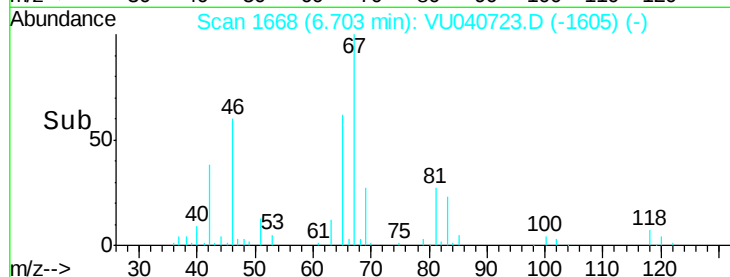
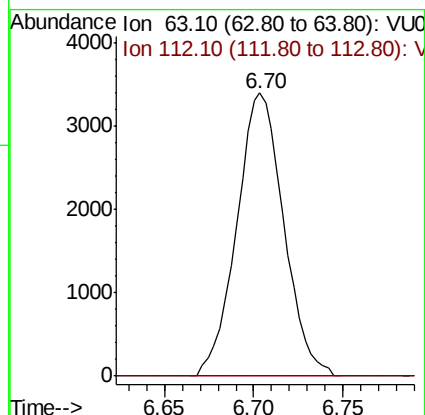
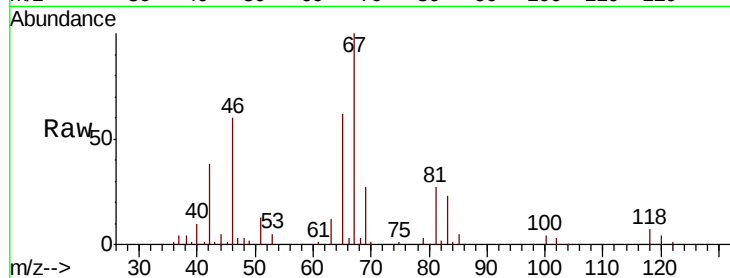
BFSG3

Tot Ion: 63 Resp: 6233

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# 1939

Delta R.T. -0.04 min

Lab File: VU040723.D

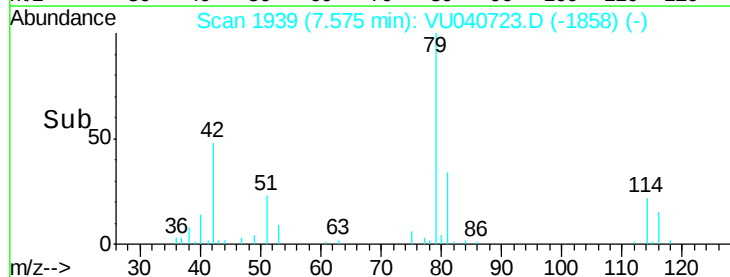
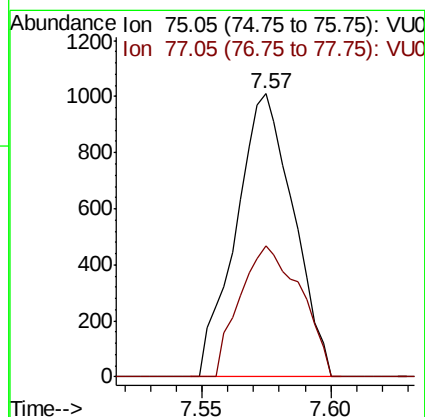
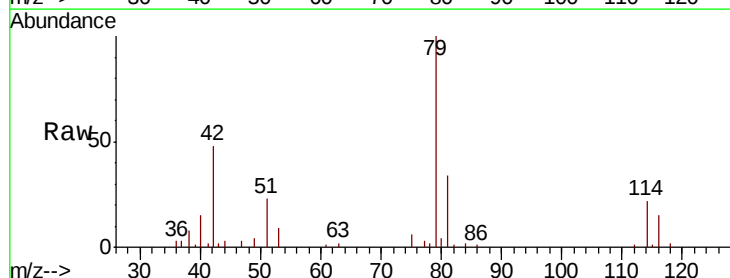
Acq: 15 Oct 2020 16:18

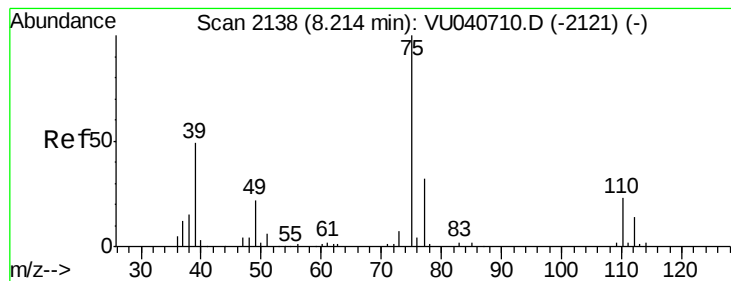
Tgt Ion: 75 Resp: 1571

Ion Ratio Lower Upper

75 100

77 46.3 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040723.D

Acq: 15 Oct 2020 16:18

Instrument :

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ClientSampleId :

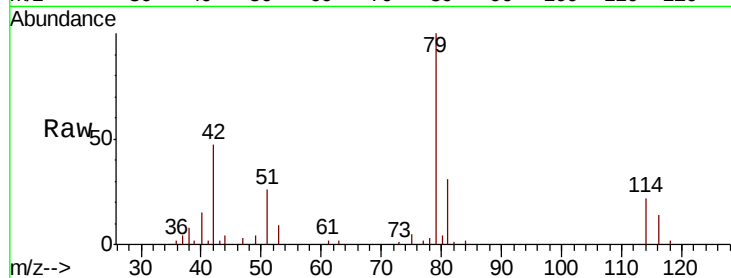
BFSG3

Tot Ion: 75 Resp: 972

Ion Ratio Lower Upper

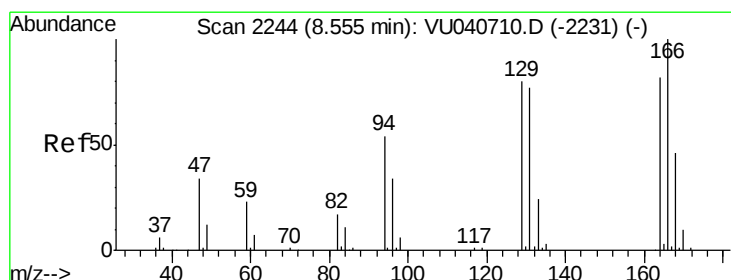
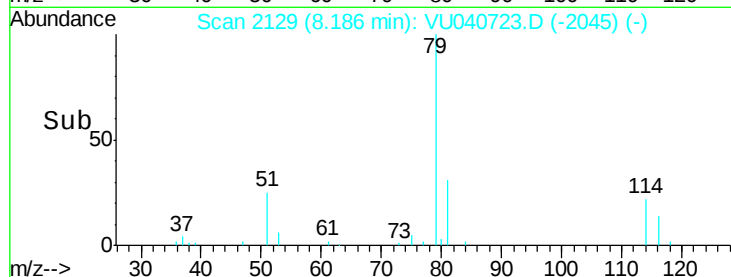
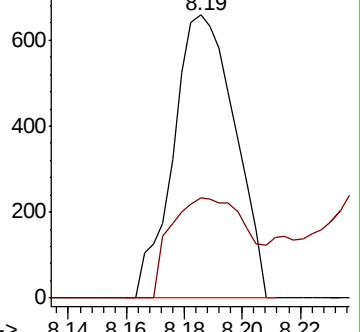
75 100

77 35.4 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: 0.628 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040723.D

Acq: 15 Oct 2020 16:18

Tgt Ion:164 Resp: 4292

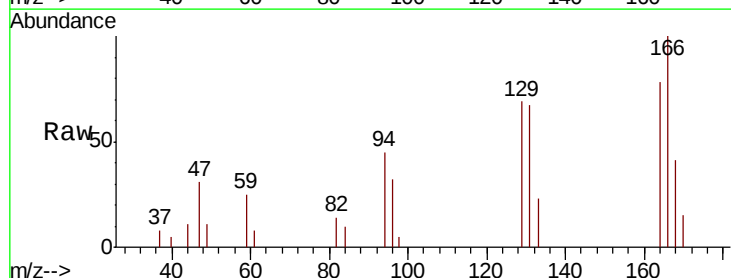
Ion Ratio Lower Upper

164 100

129 88.9 68.8 127.8

131 86.3 66.7 123.9

166 128.4 83.9 155.7

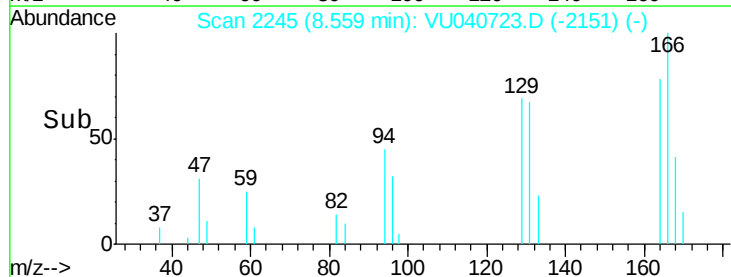
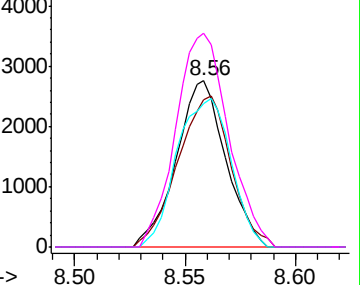


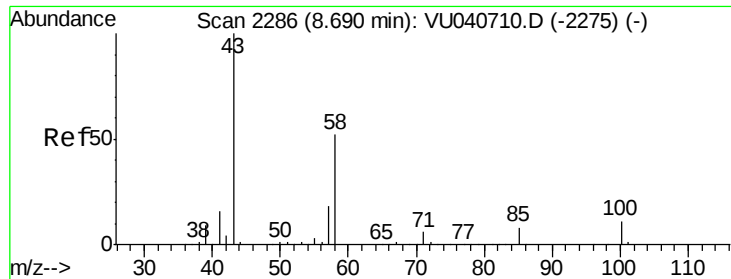
Abundance Ion 163.90 (163.60 to 164.60): V

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

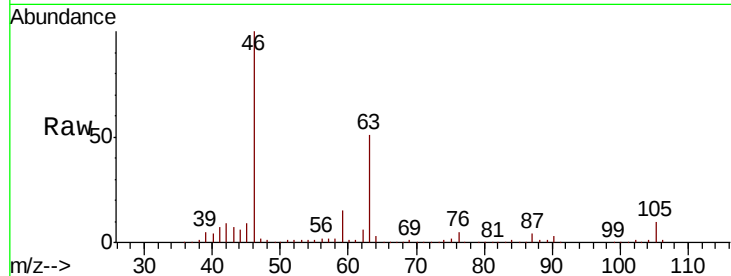




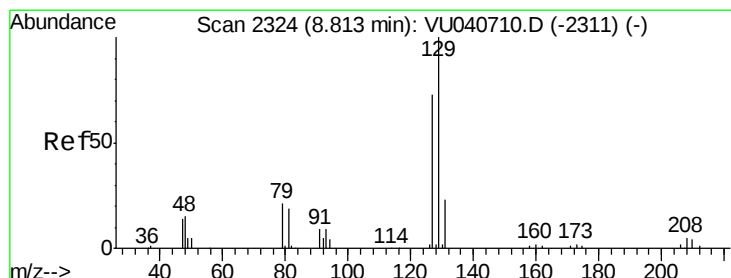
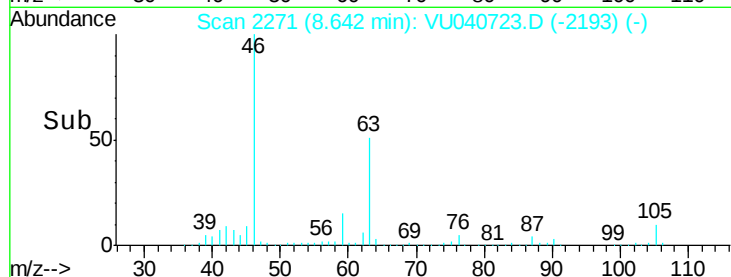
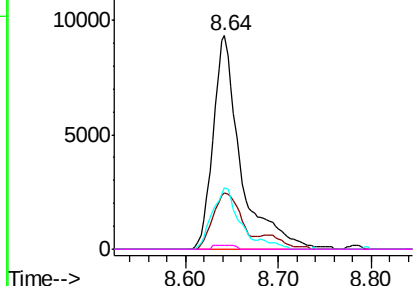
#48
2-Hexanone
Concen: 3.179 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040723.D
Acq: 15 Oct 2020 16:18

Instrument :
MSVOA_U
ClientSampleId :
BFSG3

Tot Ion: 43 Resp: 19425
Ion Ratio Lower Upper
43 100
58 26.9 41.0 61.6#
57 29.4 14.4 21.6#
100 0.7 8.6 13.0#

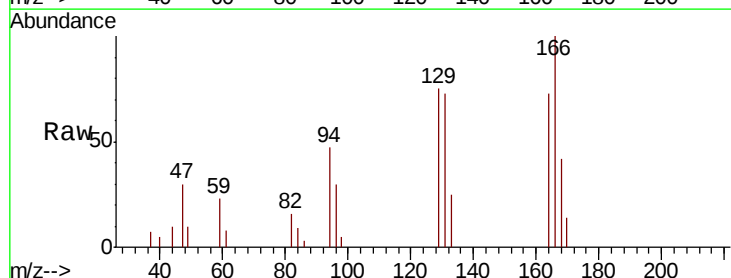


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

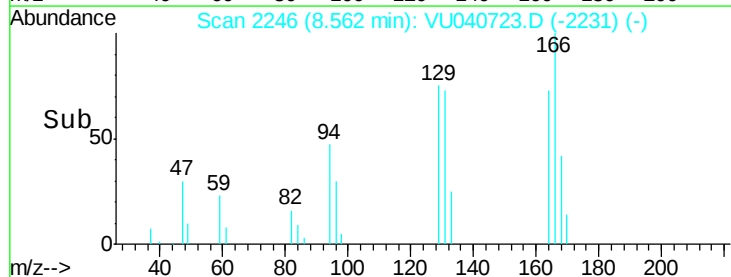
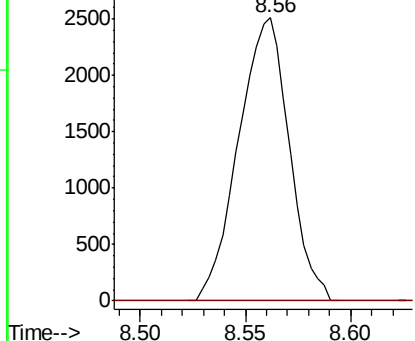


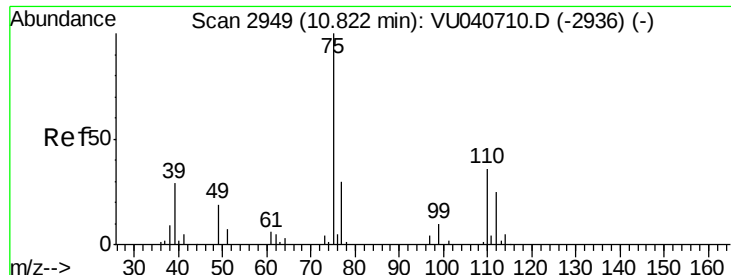
#49
Dibromochloromethane
Concen: 0.472 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. -0.25 min
Lab File: VU040723.D
Acq: 15 Oct 2020 16:18

Tgt Ion: 129 Resp: 4190
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





#59

1,2,3-Trichloropropane

Concen: 0.873 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040723.D

Acq: 15 Oct 2020 16:18

Instrument :

MSVOA_U

ClientSampleId :

BFSG3

Tot Ion: 75 Resp: 6600

Ion Ratio Lower Upper

75 100

77 34.8 26.4 39.6

