

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101520\
 Data File : VU040730.D
 Acq On : 15 Oct 2020 19:00
 Operator : SY/MD
 Sample : L4421-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSK0

Quant Time: Oct 16 04:34:17 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	107962	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115423	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47919	5.00	ug/L	0.00

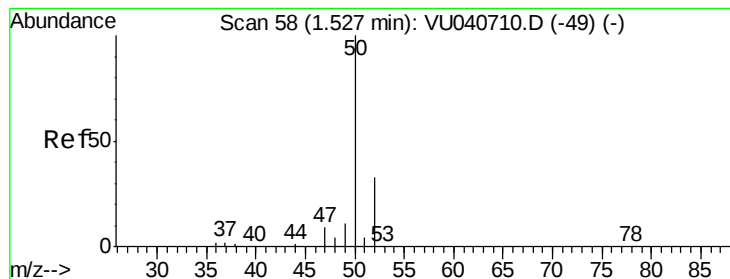
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39944	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.92	69	37323	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.20%
11) 1,1-Dichloroethene-d2	2.58	63	63711	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	4.65	46	166211	58.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.12%
24) Chloroform-d	5.08	84	85810	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.72	65	53817	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.74	84	156899	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.70	67	54005	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.91	98	123471	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	8.19	79	20225	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.64	63	114124	50.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.16%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	48770	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	52251	5.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	9653	1.055 ug/L	96
8) Chloroethane	1.94	64	622	0.101 ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	432	0.048 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	447	0.058 ug/L #	1
13) Acetone	2.66	43	10034	4.522 ug/L	100
25) Chloroform	5.11	83	1892	0.111 ug/L	96
35) Methylcyclohexane	6.70	83	12536	0.920 ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6136	0.594 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1294	0.092 ug/L #	58
44) trans-1,3-Dichloropropene	8.18	75	943	0.073 ug/L #	67
47) Tetrachloroethene	8.56	164	15291	2.230 ug/L	95
49) Dibromochloromethane	8.56	129	14454	1.623 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6588	0.868 ug/L	90

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



#3

Chloromethane

Concen: 1.055 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040730.D

Acq: 15 Oct 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

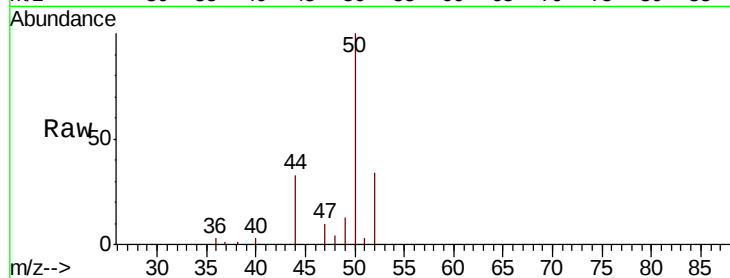
BFSK0

Tot Ion: 50 Resp: 9653

Ion Ratio Lower Upper

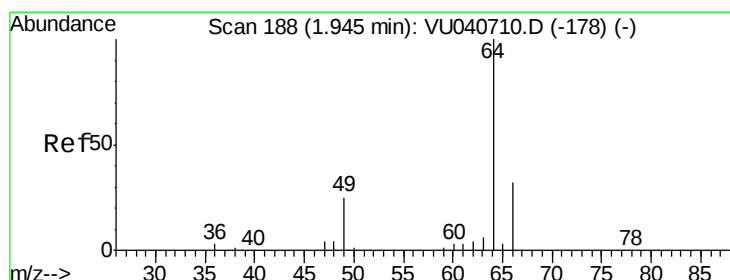
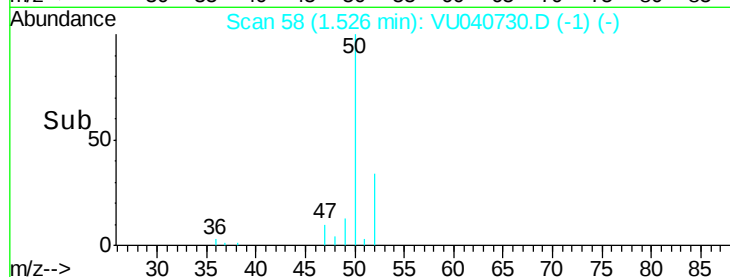
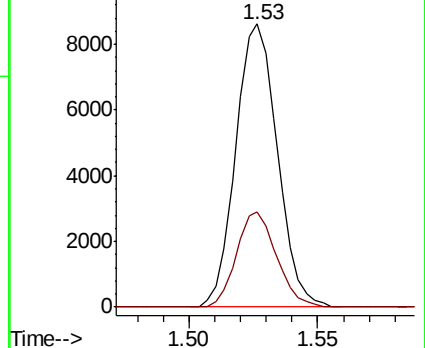
50 100

52 33.7 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040730.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040730.D (-1) (-)



#8

Chloroethane

Concen: 0.101 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040730.D

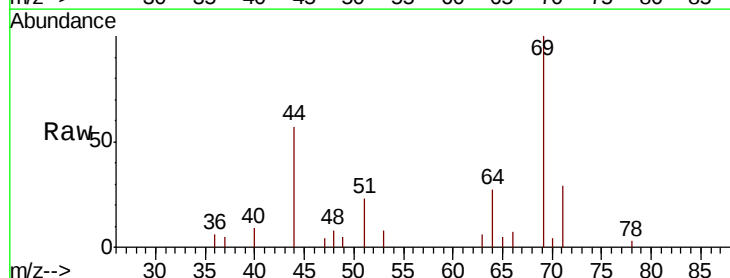
Acq: 15 Oct 2020 19:00

Tgt Ion: 64 Resp: 622

Ion Ratio Lower Upper

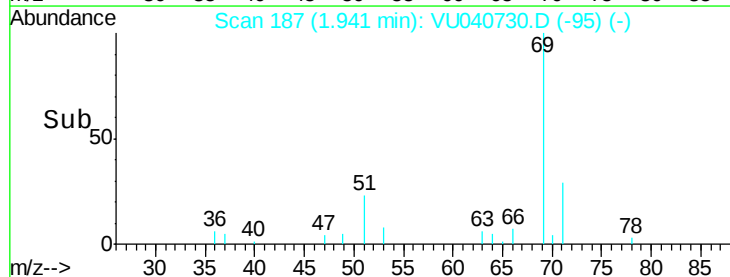
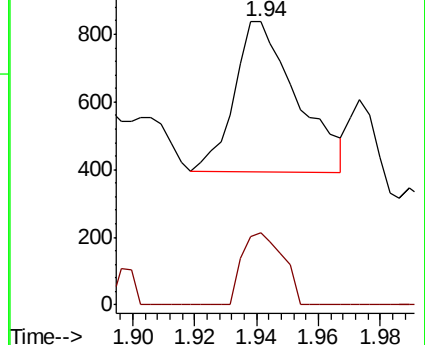
64 100

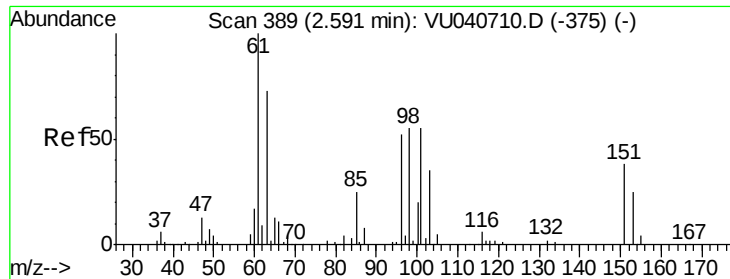
66 25.7 23.3 43.3



Abundance Ion 64.10 (63.80 to 64.80): VU040730.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU040730.D (-95) (-)





#10

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

Concen: 0.048 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040730.D

Acq: 15 Oct 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

BFSK0

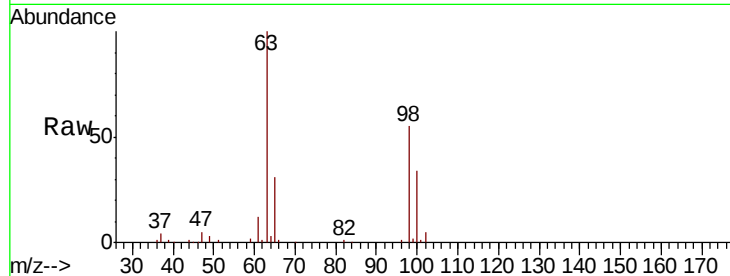
Tot Ion:101 Resp: 432

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

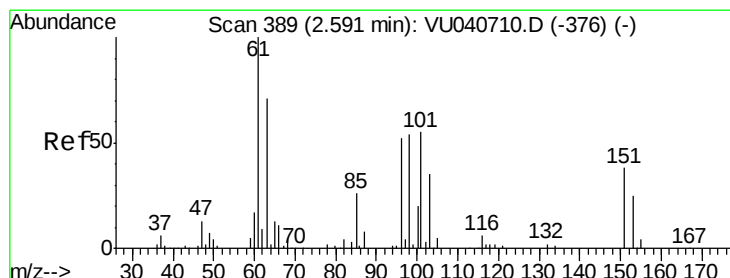
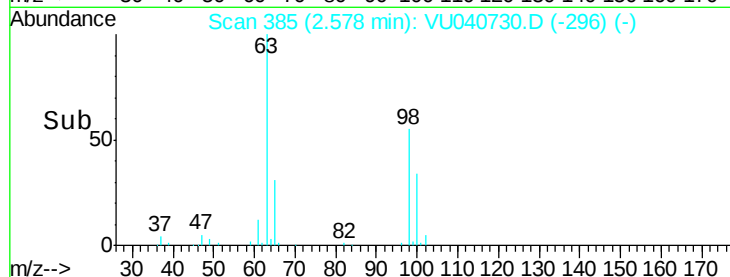
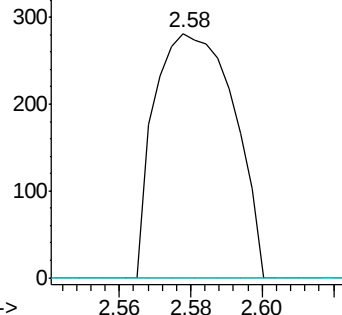
151 0.0 58.0 87.0#



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



#12

1,1-Dichloroethene

Concen: 0.058 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040730.D

Acq: 15 Oct 2020 19:00

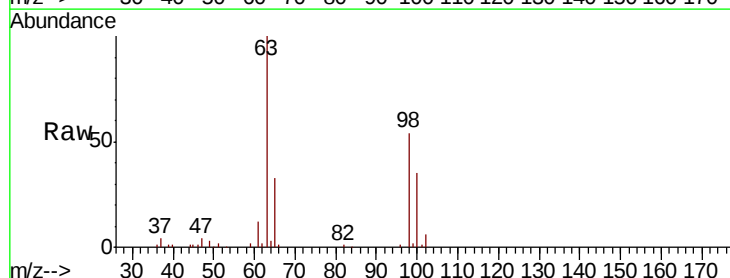
Tgt Ion: 96 Resp: 447

Ion Ratio Lower Upper

96 100

61 1375.2 128.8 239.2#

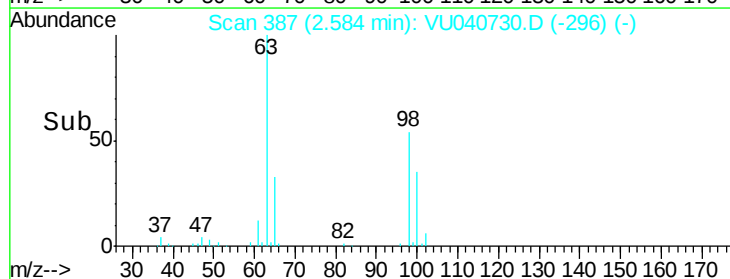
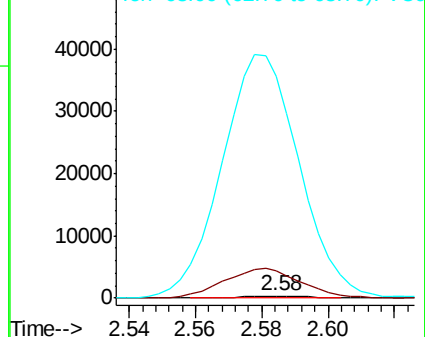
63 11038.5 84.6 157.2#

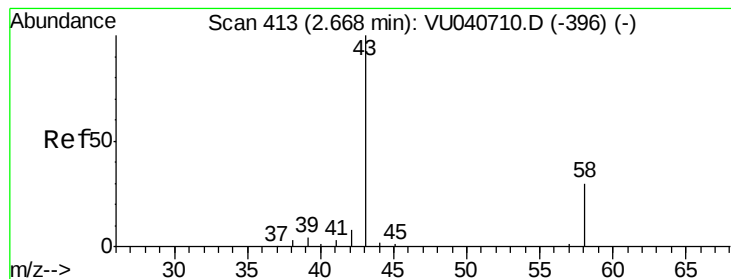


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.522 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU040730.D

Acq: 15 Oct 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

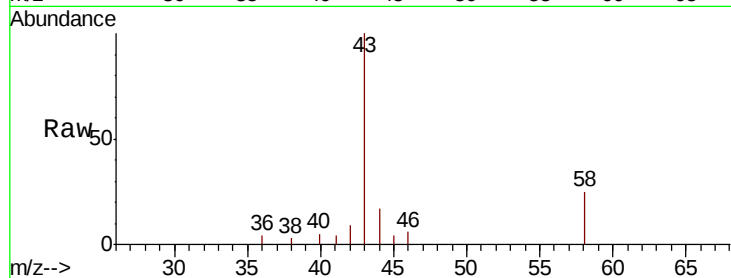
BFSK0

Tot Ion: 43 Resp: 10034

Ion Ratio Lower Upper

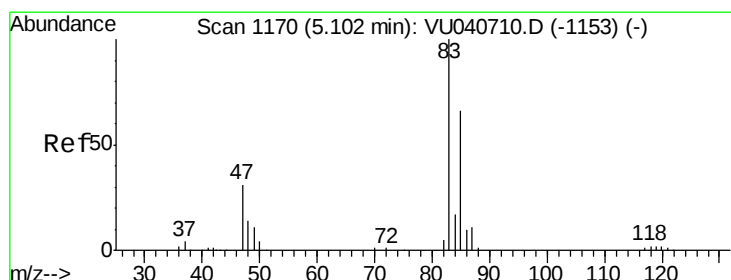
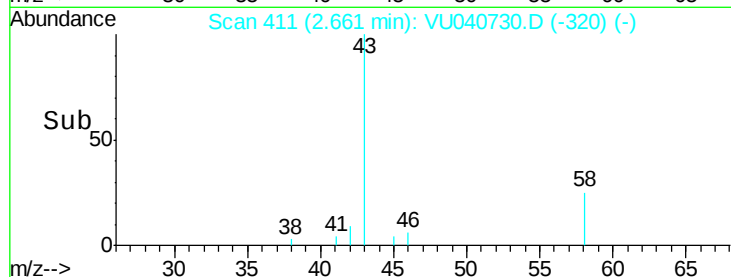
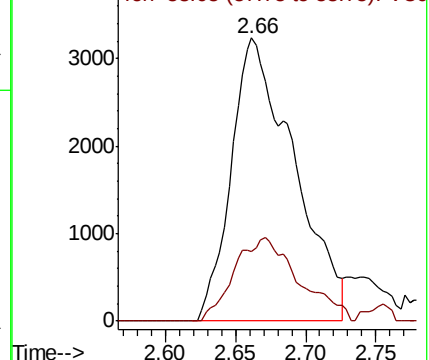
43 100

58 30.4 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#25

Chloroform

Concen: 0.111 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VU040730.D

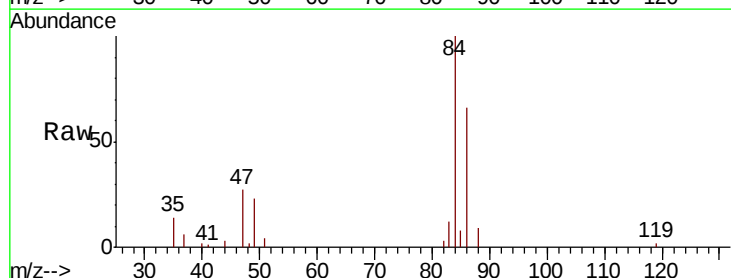
Acq: 15 Oct 2020 19:00

Tgt Ion: 83 Resp: 1892

Ion Ratio Lower Upper

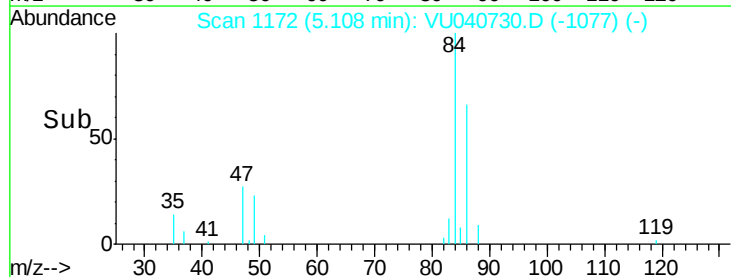
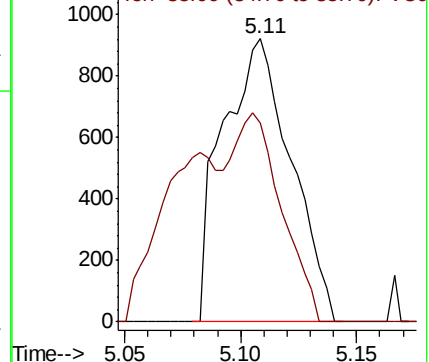
83 100

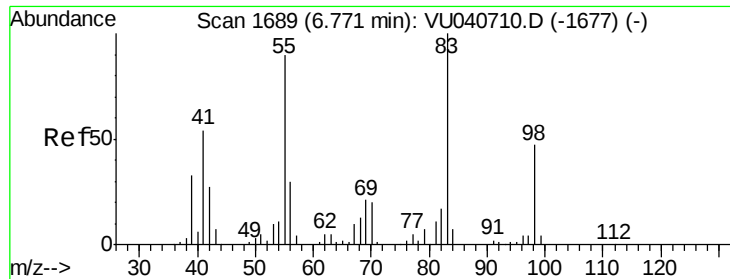
85 70.1 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

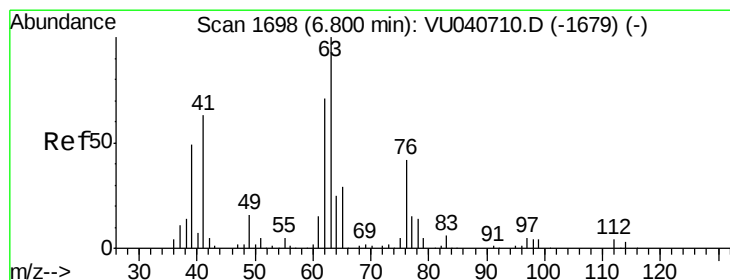
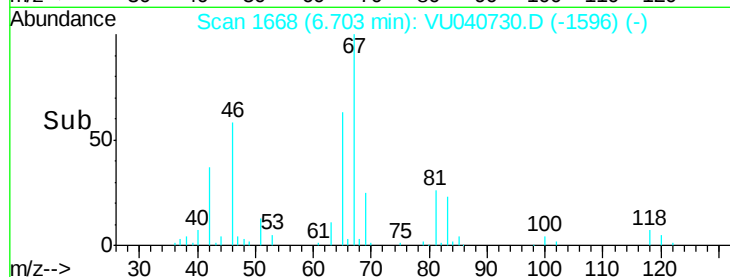
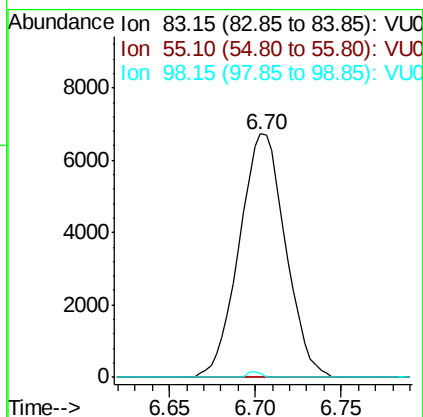
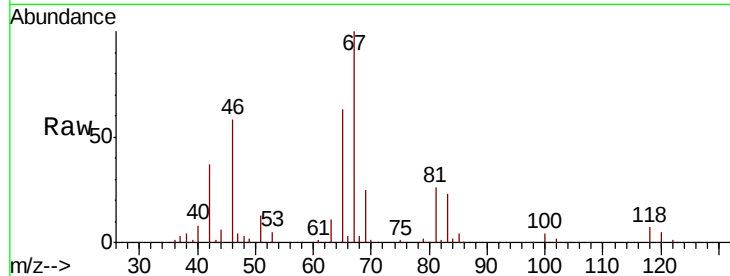




#35
Methvlcvclohexane
Concen: 0.920 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040730.D
Acq: 15 Oct 2020 19:00

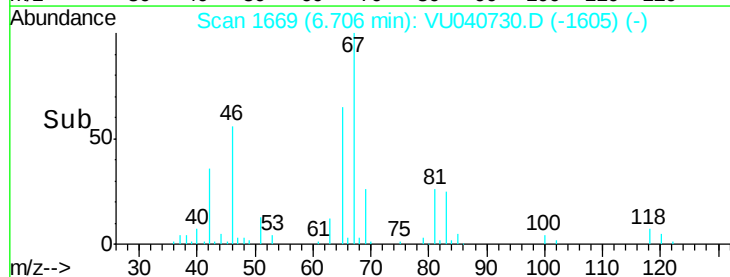
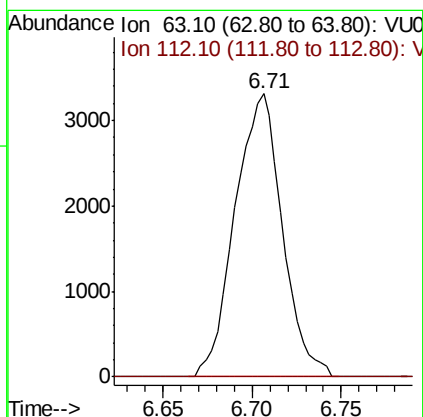
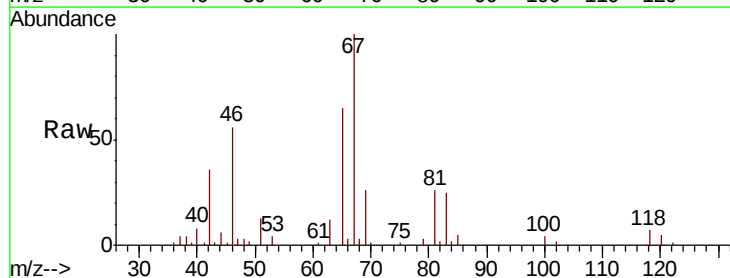
Instrument :
MSVOA_U
ClientSampleId :
BFSK0

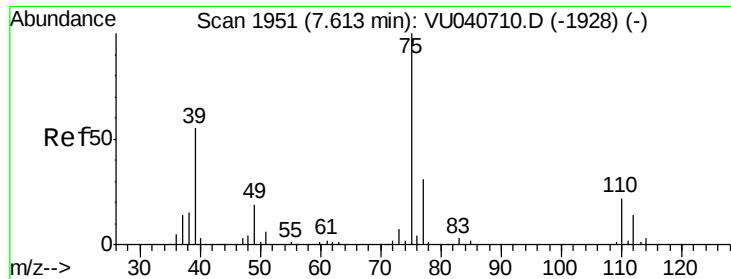
Tot Ion: 83 Resp: 12536
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.7 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.594 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU040730.D
Acq: 15 Oct 2020 19:00

Tgt Ion: 63 Resp: 6136
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

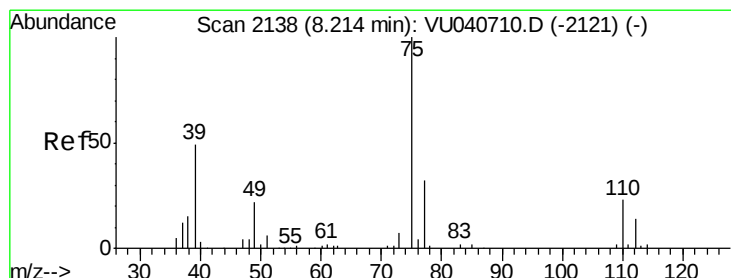
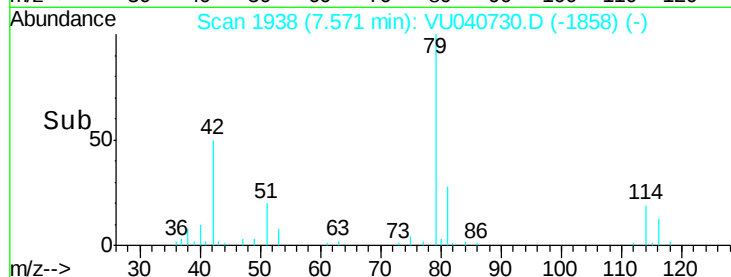
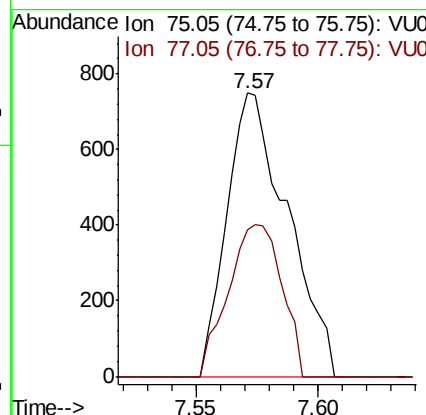
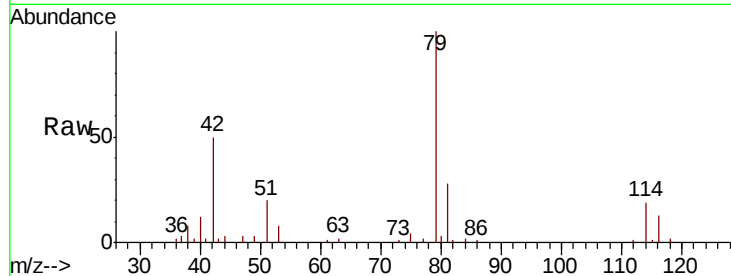




#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040730.D
 Acq: 15 Oct 2020 19:00

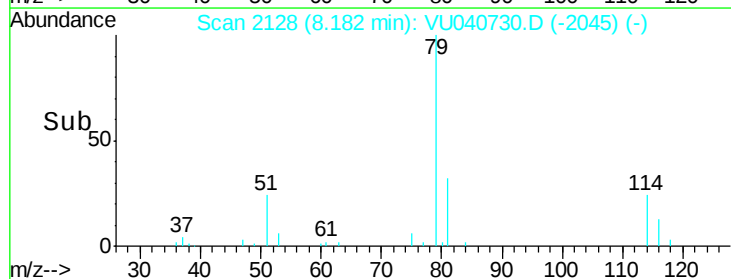
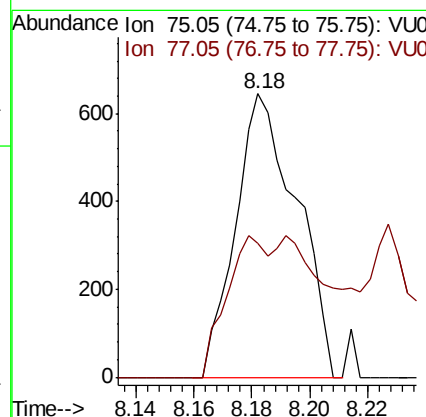
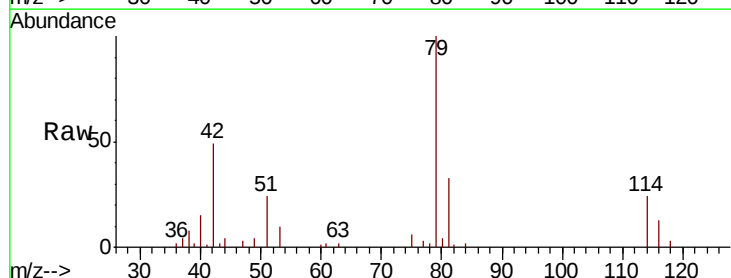
Instrument :
 MSVOA_U
 ClientSampled :
 BFSK0

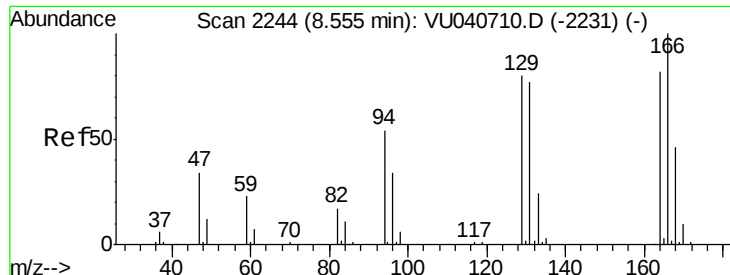
Tot Ion: 75 Resp: 1294
 Ion Ratio Lower Upper
 75 100
 77 51.8 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.073 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU040730.D
 Acq: 15 Oct 2020 19:00

Tgt Ion: 75 Resp: 943
 Ion Ratio Lower Upper
 75 100
 77 47.1 20.4 38.0#





#47

Tetrachloroethene

Concen: 2.230 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040730.D

Acq: 15 Oct 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

BFSK0

Tot Ion:164 Resp: 15291

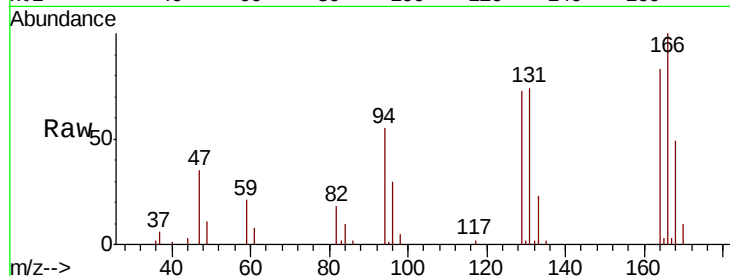
Ion Ratio Lower Upper

164 100

129 88.5 68.8 127.8

131 90.0 66.7 123.9

166 120.8 83.9 155.7

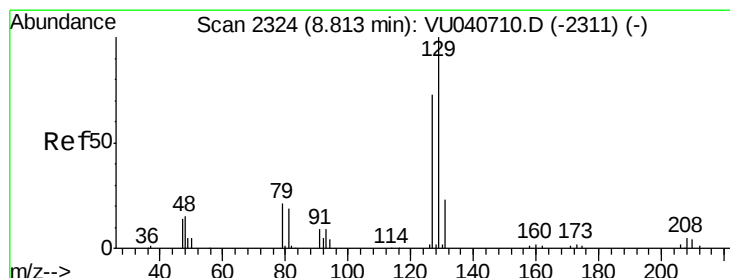
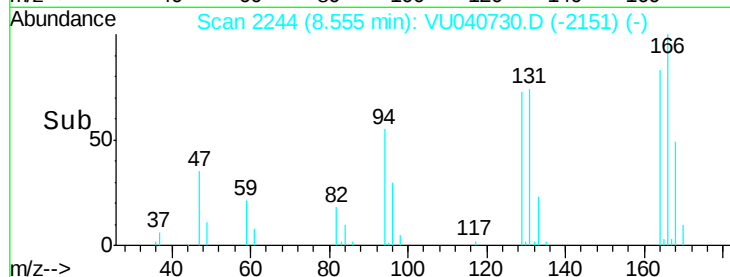
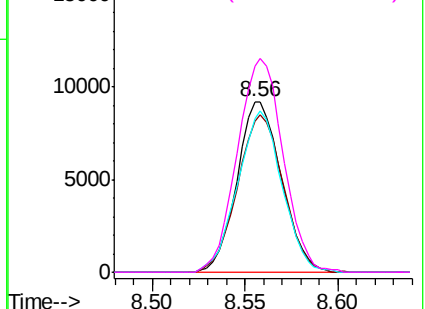


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.623 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040730.D

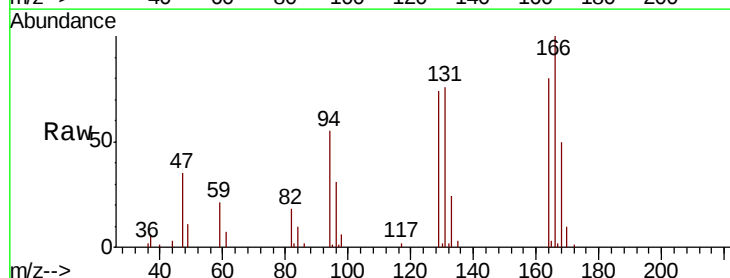
Acq: 15 Oct 2020 19:00

Tgt Ion:129 Resp: 14454

Ion Ratio Lower Upper

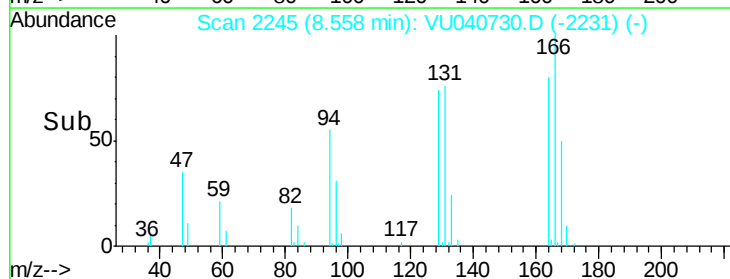
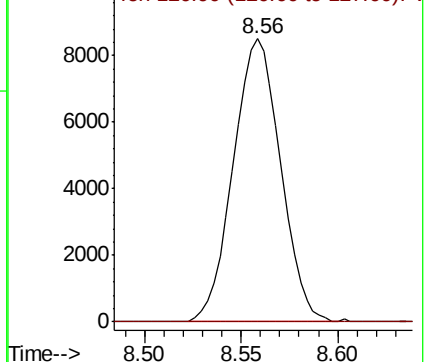
129 100

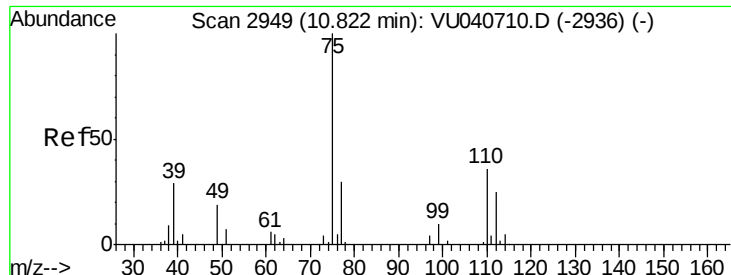
127 0.0 55.8 103.6#



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: 0.868 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040730.D

Acq: 15 Oct 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

BFSK0

Tot Ion: 75 Resp: 6588

Ion Ratio Lower Upper

75 100

77 38.8 26.4 39.6

