

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040765.D
 Acq On : 16 Oct 2020 22:29
 Operator : SY/MD
 Sample : L4423-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSG0

Quant Time: Oct 19 01:21:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 01:19:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115595	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120277	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47247	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	34503	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.92	69	31837	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.58	63	56918	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	4.67	46	164119	53.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.08%
24) Chloroform-d	5.08	84	82836	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	53050	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	144908	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.70	67	51210	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.91	98	109913	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.60%
43) trans-1,3-Dichloropropene-	8.19	79	19324	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.64	63	109193	46.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46687	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	46414	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1684	0.172 ug/L	97
8) Chloroethane	1.94	64	396	0.060 ug/L #	55
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	514	0.053 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	462	0.056 ug/L #	1
13) Acetone	2.68	43	5892	2.480 ug/L	64
25) Chloroform	5.11	83	6401	0.351 ug/L	89
27) 1,2-Dichloroethane	5.75	62	909	0.070 ug/L #	77
33) Benzene	5.74	78	1207	0.031 ug/L	100
35) Methylcyclohexane	6.70	83	12279	0.864 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6027	0.560 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1235	0.084 ug/L #	49
44) trans-1,3-Dichloropropene	8.19	75	896	0.066 ug/L #	77
47) Tetrachloroethene	8.56	164	2873	0.402 ug/L	87
48) 2-Hexanone	8.64	43	15644	2.448 ug/L #	40
49) Dibromochloromethane	8.56	129	2923	0.315 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6876	0.869 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\
Data File : VU040765.D
Acq On : 16 Oct 2020 22:29
Operator : SY/MD
Sample : L4423-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFSG0

Quant Time: Oct 19 01:21:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 19 01:19:29 2020
Response via : Initial Calibration

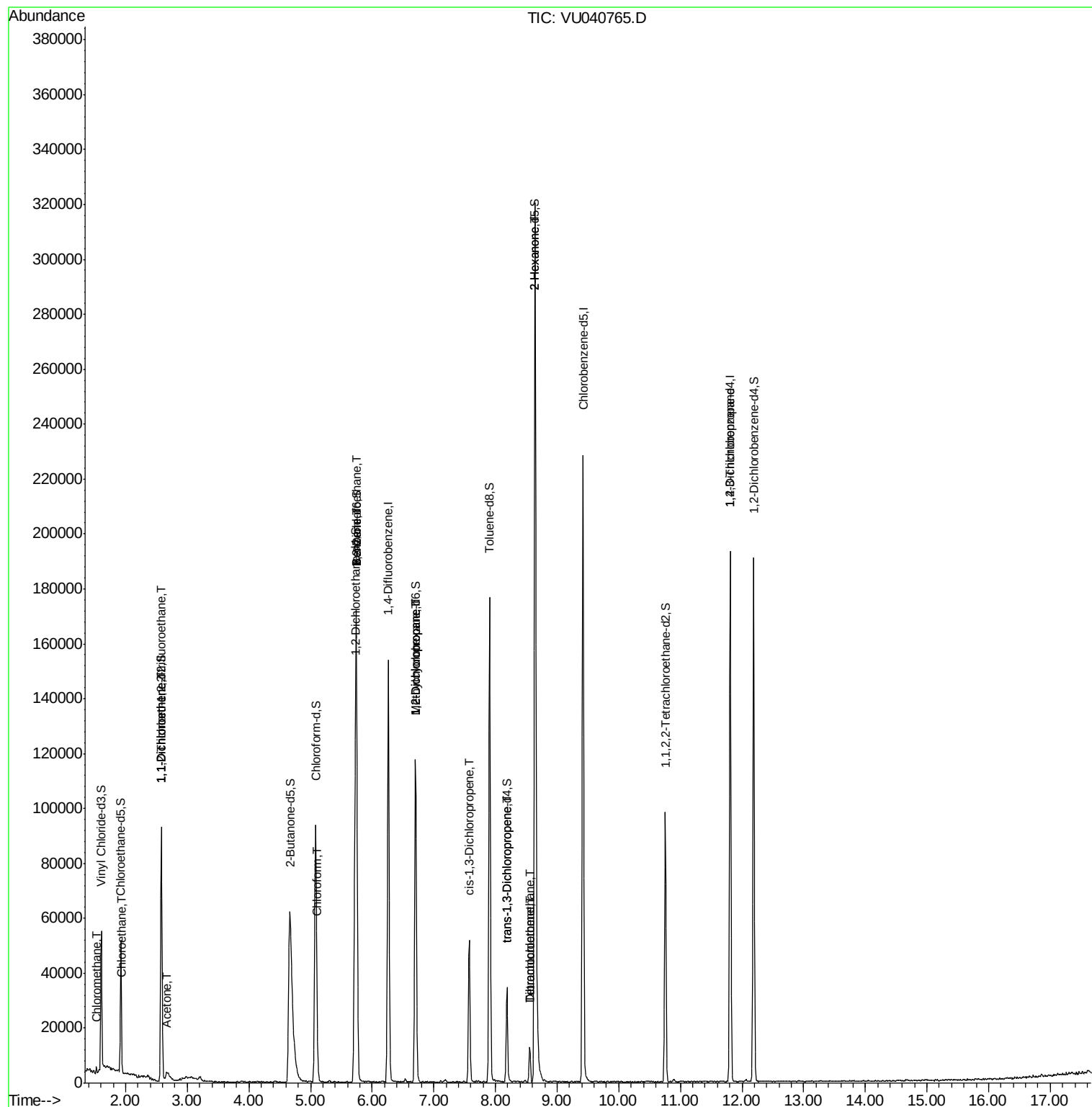
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

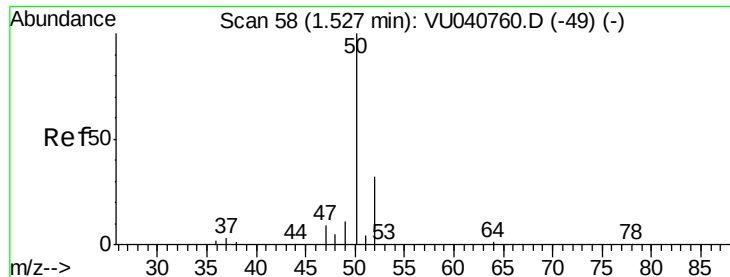
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\
Data File : VU040765.D
Acq On : 16 Oct 2020 22:29
Operator : SY/MD
Sample : L4423-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFSG0

Quant Time: Oct 19 01:21:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 19 01:19:29 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.172 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040765.D

Acq: 16 Oct 2020 22:29

Instrument :

MSVOA_U

ClientSampleId :

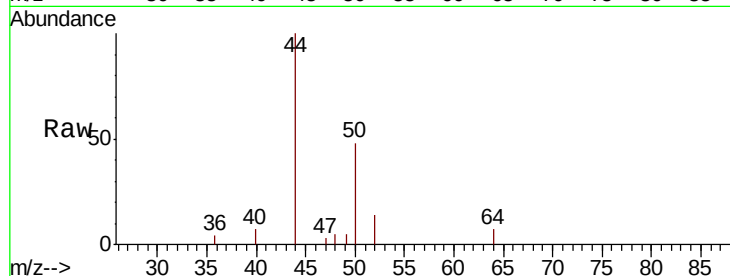
BFSG0

Tot Ion: 50 Resp: 1684

Ion Ratio Lower Upper

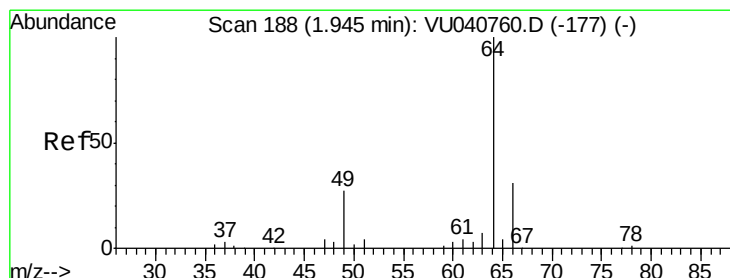
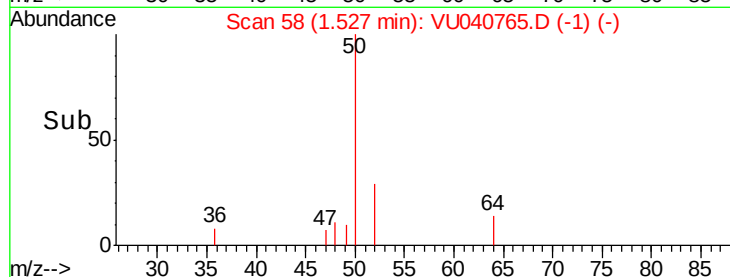
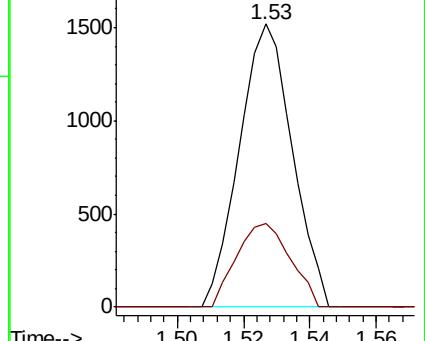
50 100

52 29.5 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.060 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040765.D

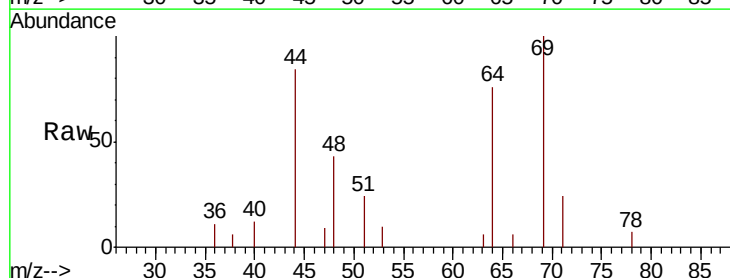
Acq: 16 Oct 2020 22:29

Tgt Ion: 64 Resp: 396

Ion Ratio Lower Upper

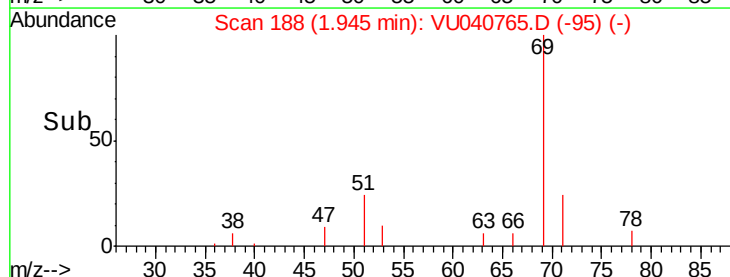
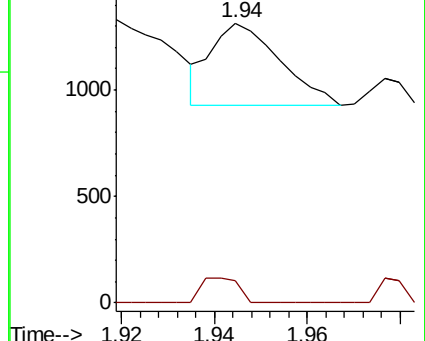
64 100

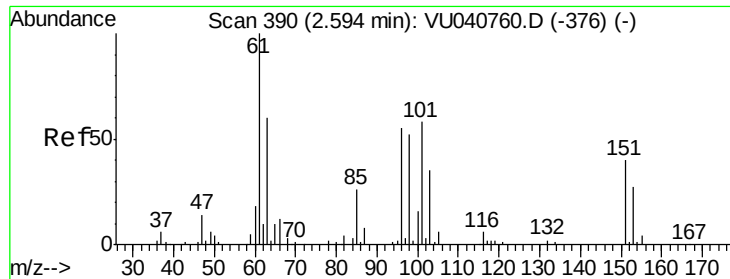
66 7.9 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.053 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040765.D

Acq: 16 Oct 2020 22:29

Instrument :

MSVOA_U

ClientSampleId :

BFSG0

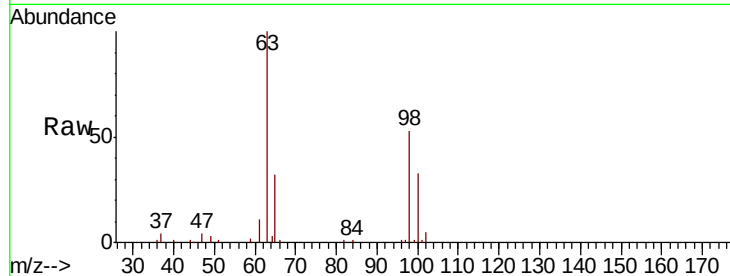
Tot Ion:101 Resp: 514

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

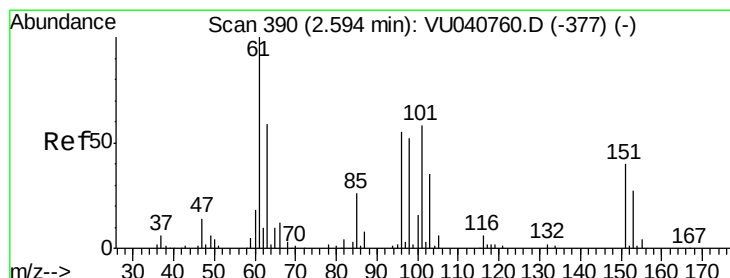
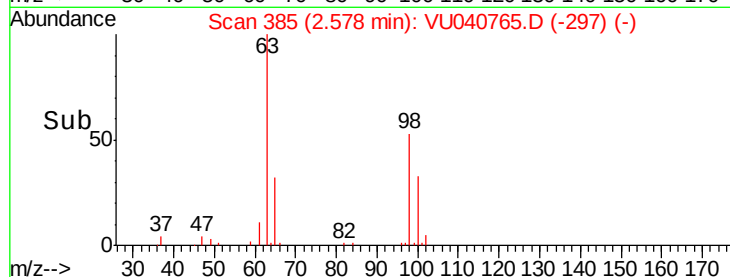
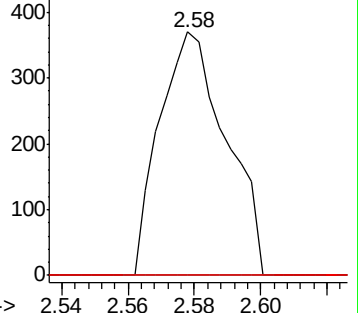
151 0.0 58.0 87.0#



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: 0.056 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040765.D

Acq: 16 Oct 2020 22:29

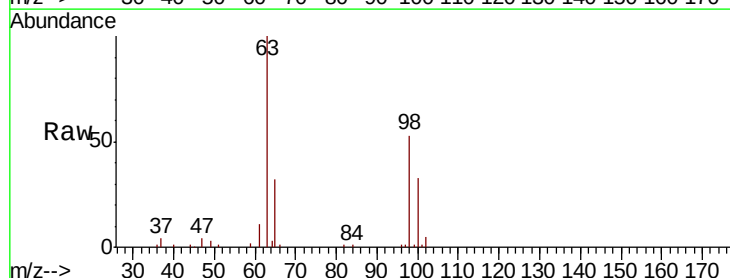
Tgt Ion: 96 Resp: 462

Ion Ratio Lower Upper

96 100

61 1149.4 128.8 239.2#

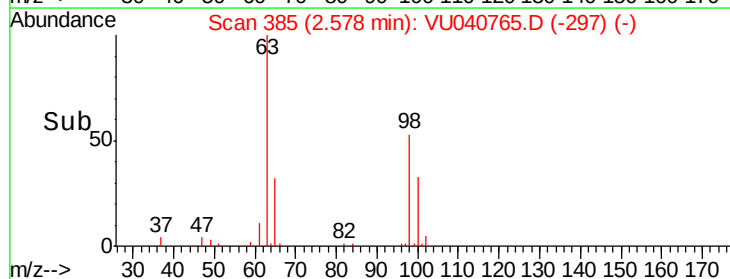
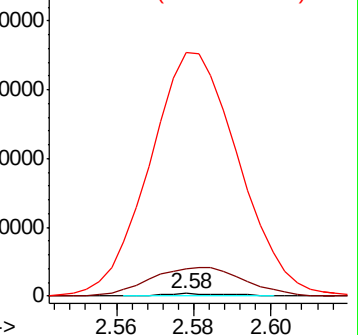
63 10288.4 84.6 157.2#

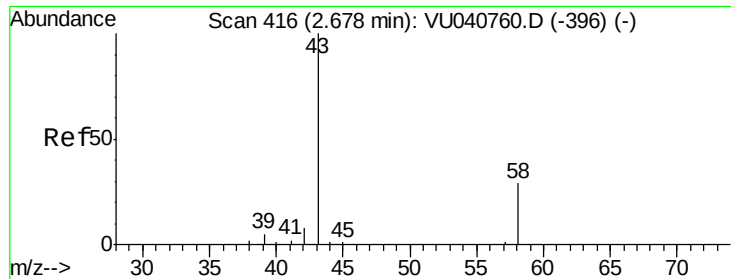


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

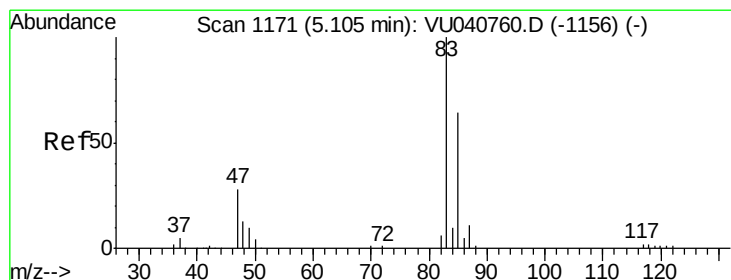
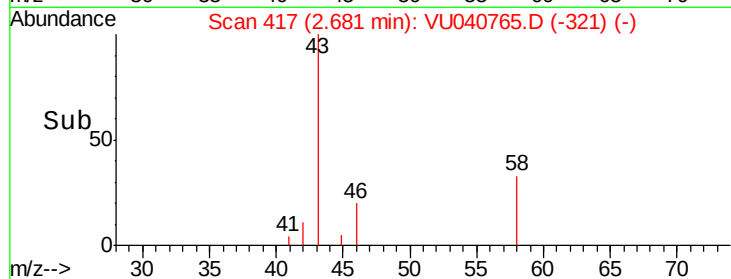
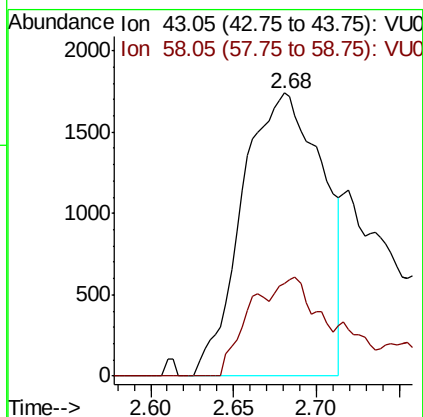
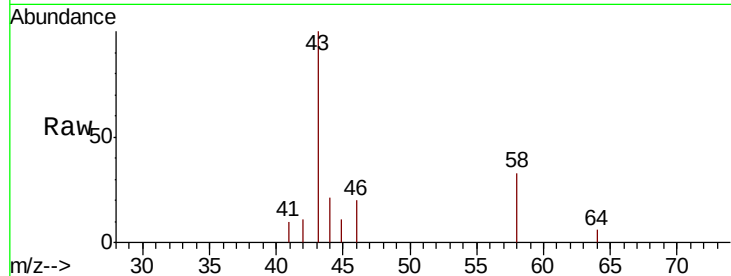




#13
Acetone
Concen: 2.480 ug/L
RT: 2.68 min Scan# 417
Delta R.T. 0.01 min
Lab File: VU040765.D
Acq: 16 Oct 2020 22:29

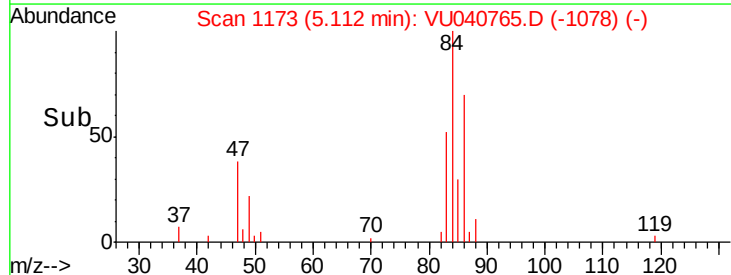
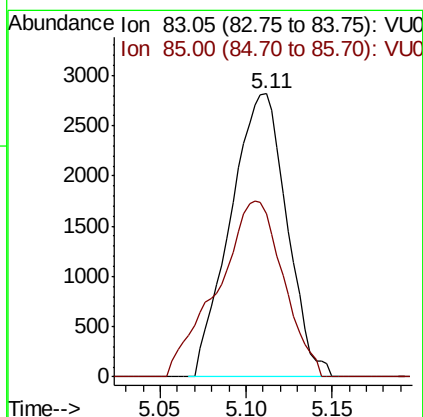
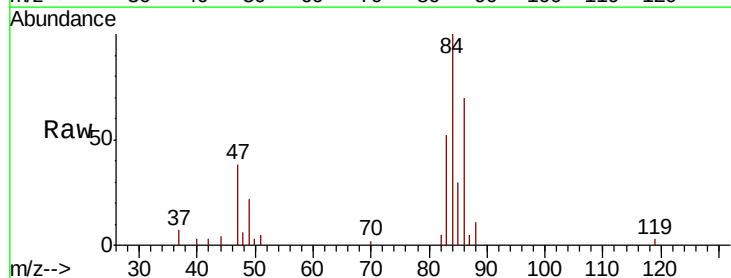
Instrument :
MSVOA_U
ClientSampleId :
BFSG0

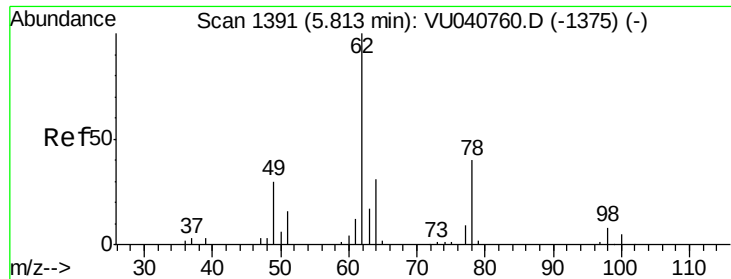
Tot Ion: 43 Resp: 5892
Ion Ratio Lower Upper
43 100
58 10.7 0.0 60.6



#25
Chloroform
Concen: 0.351 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040765.D
Acq: 16 Oct 2020 22:29

Tgt Ion: 83 Resp: 6401
Ion Ratio Lower Upper
83 100
85 57.5 46.5 86.5

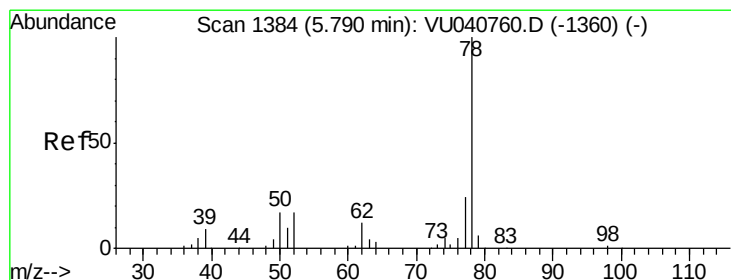
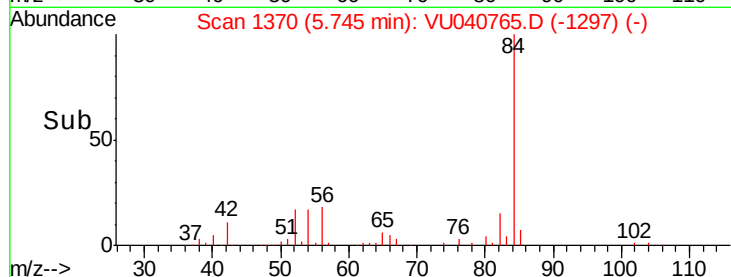
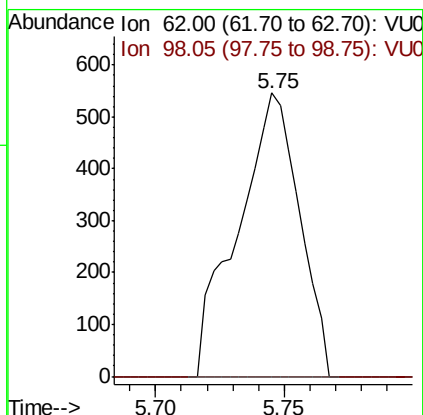
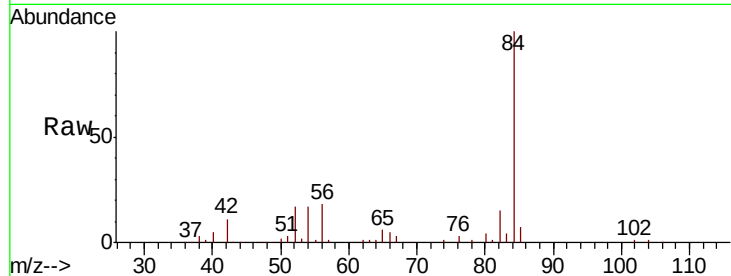




#27
 1,2-Dichloroethane
 Concen: 0.070 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040765.D
 Acq: 16 Oct 2020 22:29

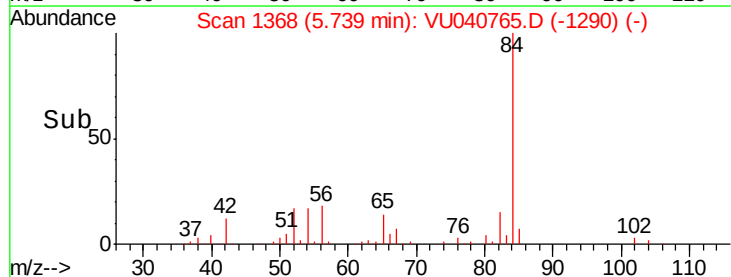
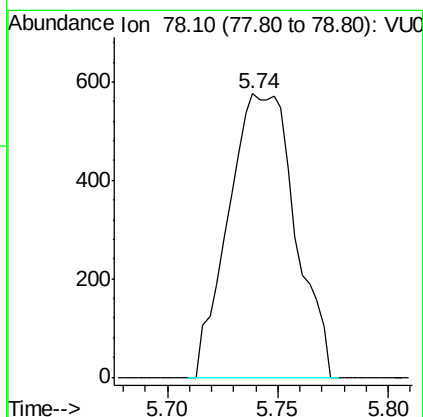
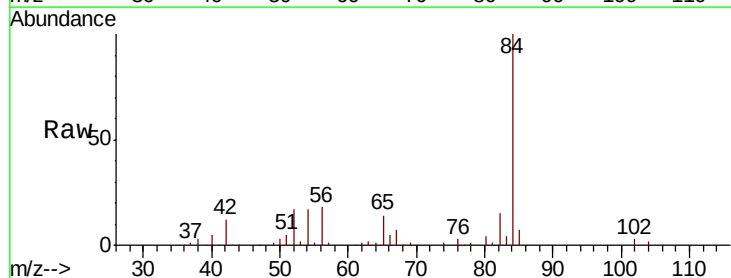
Instrument :
 MSVOA_U
 ClientSampled :
 BFG0

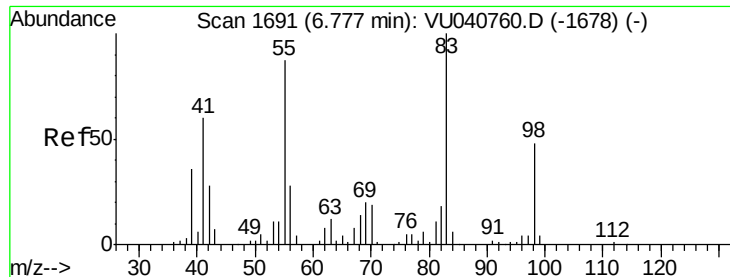
Tot Ion: 62 Resp: 909
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 0.031 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.05 min
 Lab File: VU040765.D
 Acq: 16 Oct 2020 22:29

Tgt Ion: 78 Resp: 1207

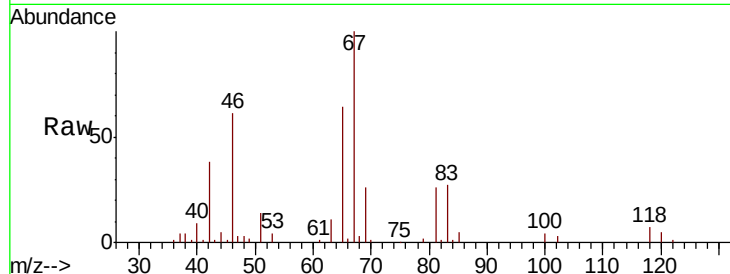




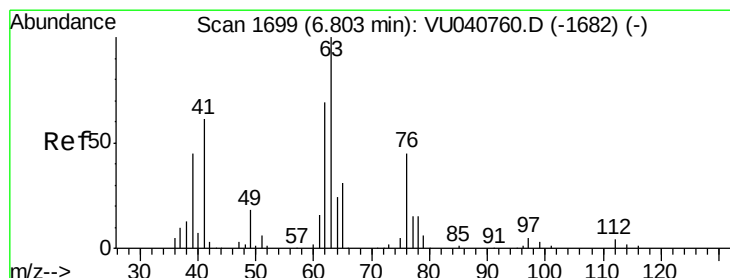
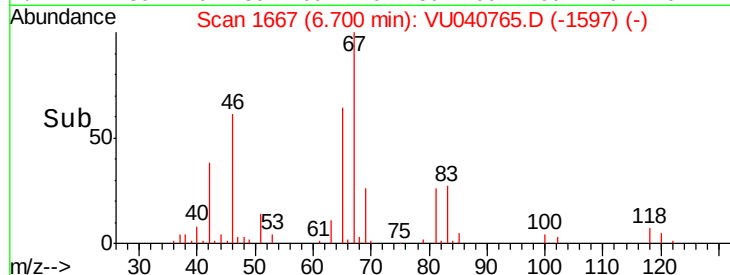
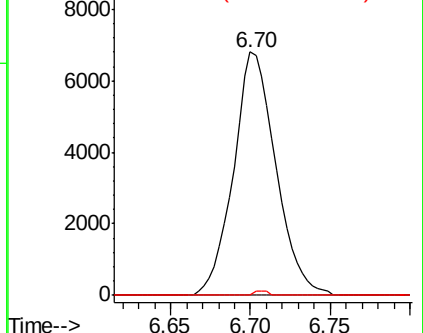
#35
Methylvlcyclohexane
Concen: 0.864 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040765.D
Acq: 16 Oct 2020 22:29

Instrument :
MSVOA_U
ClientSampleId :
BFSG0

Tot Ion: 83 Resp: 12279
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.6 38.4 57.6#

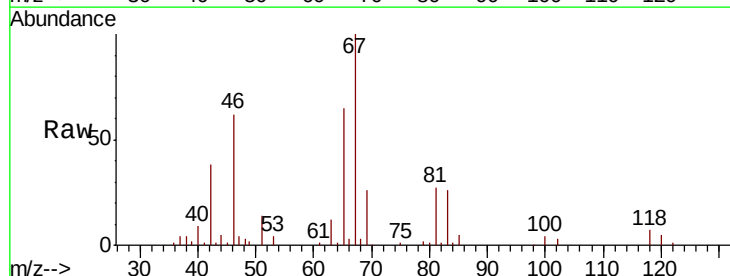


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

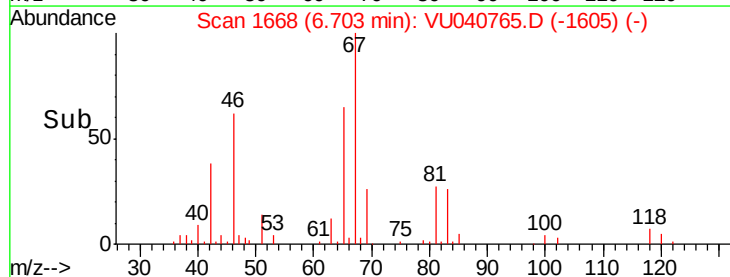
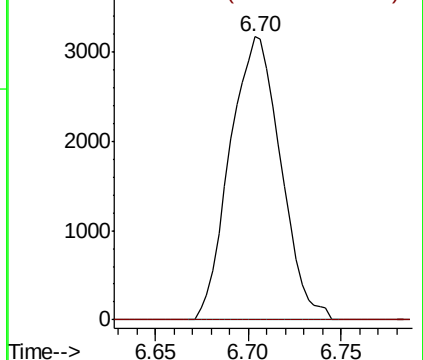


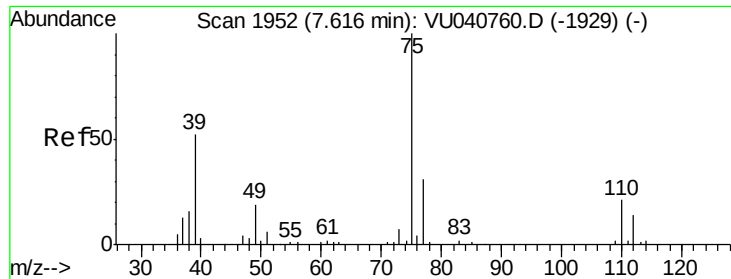
#37
1,2-Dichloropropane
Concen: 0.560 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040765.D
Acq: 16 Oct 2020 22:29

Tgt Ion: 63 Resp: 6027
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040765.D

Acq: 16 Oct 2020 22:29

Instrument :

MSVOA_U

ClientSampleId :

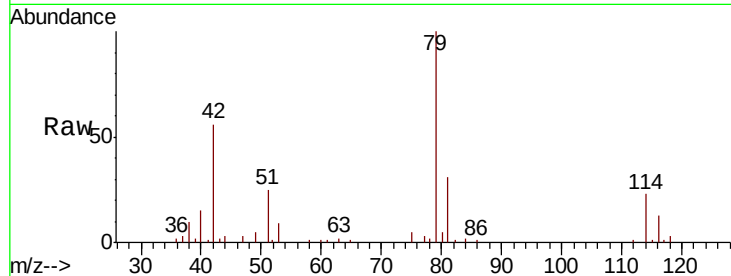
BFSG0

Tot Ion: 75 Resp: 1235

Ion Ratio Lower Upper

75 100

77 56.7 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

800

600

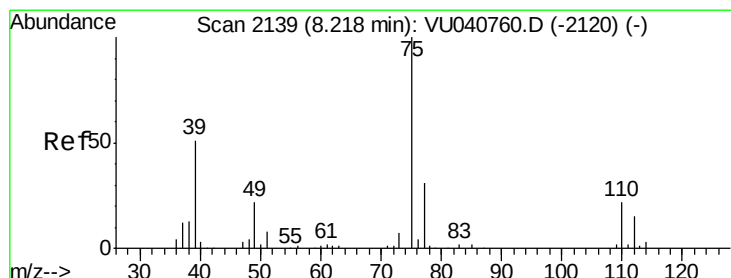
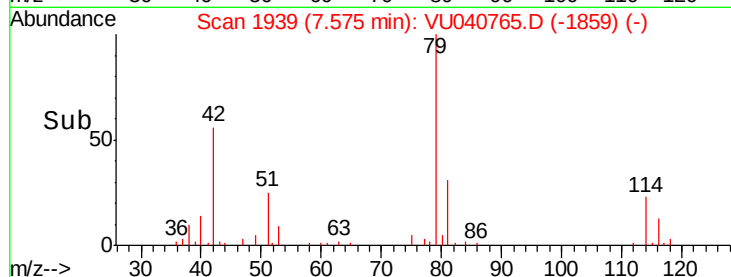
400

200

0

7.55 7.57 7.59 7.61

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040765.D

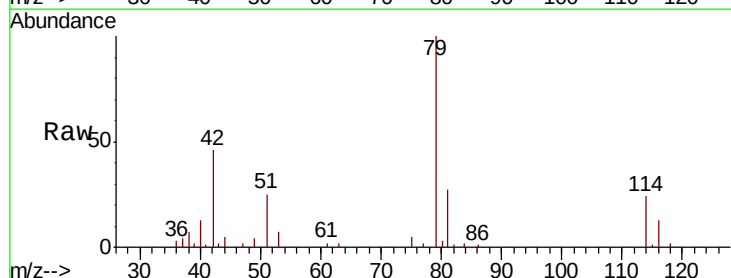
Acq: 16 Oct 2020 22:29

Tgt Ion: 75 Resp: 896

Ion Ratio Lower Upper

75 100

77 41.8 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

600

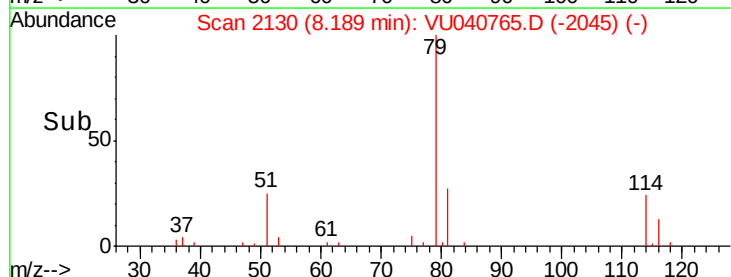
400

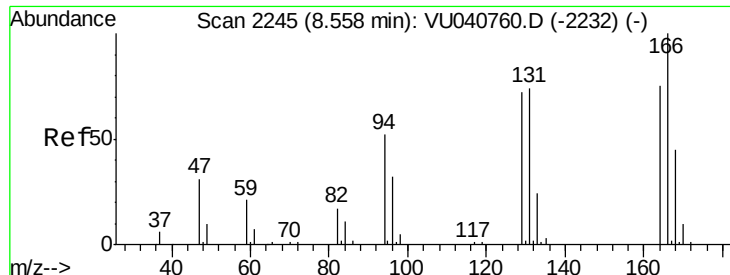
200

0

8.14 8.16 8.18 8.19 8.20 8.22

Time-->





#47

Tetrachloroethene

Concen: 0.402 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040765.D

Acq: 16 Oct 2020 22:29

Instrument :

MSVOA_U

ClientSampleId :

BFSG0

Tot Ion:164 Resp: 2873

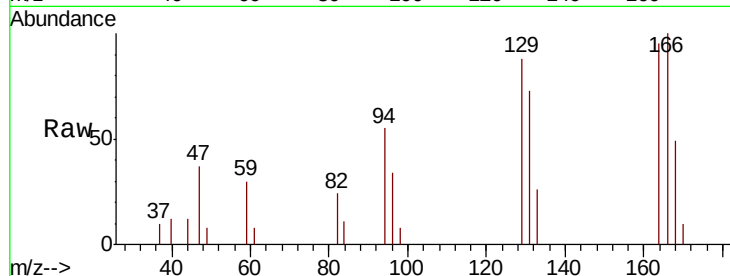
Ion Ratio Lower Upper

164 100

129 92.4 68.8 127.8

131 76.4 66.7 123.9

166 105.3 83.9 155.7



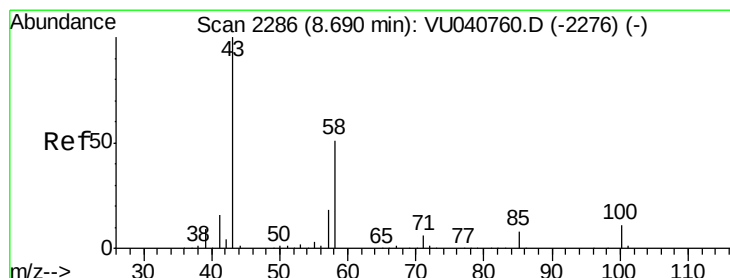
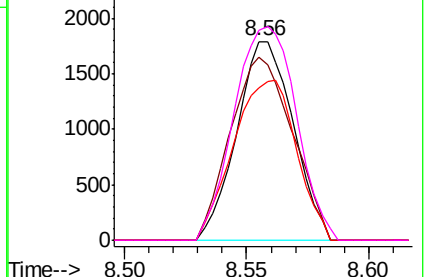
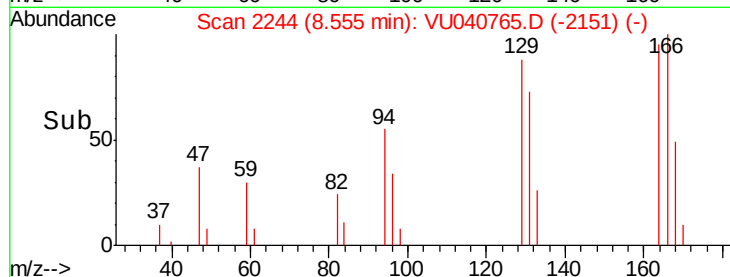
Abundance

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: 2.448 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040765.D

Acq: 16 Oct 2020 22:29

Tgt Ion: 43 Resp: 15644

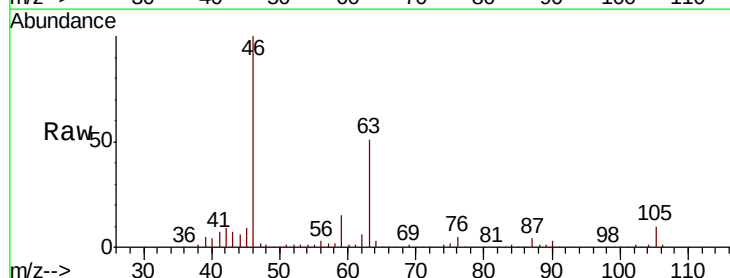
Ion Ratio Lower Upper

43 100

58 0.0 41.0 61.6#

57 35.6 14.4 21.6#

100 0.9 8.6 13.0#



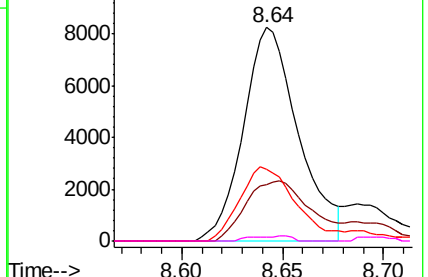
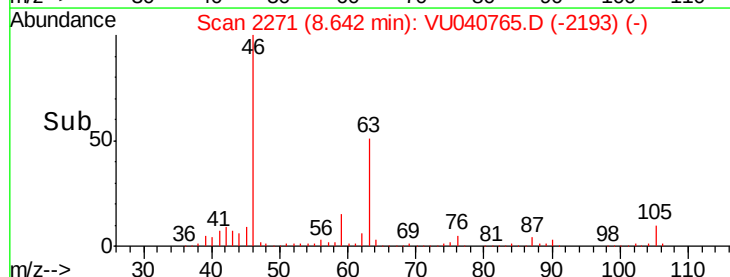
Abundance

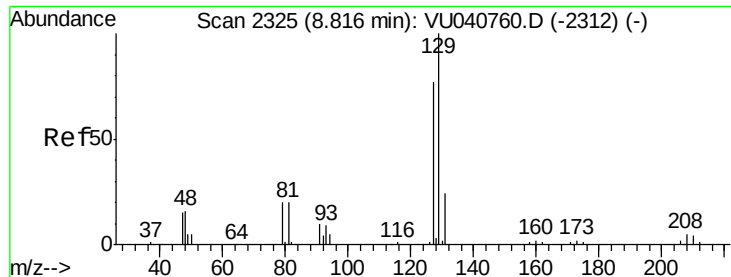
Ion 43.05 (42.75 to 43.75): VU0

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: 0.315 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040765.D

Acq: 16 Oct 2020 22:29

Instrument :

MSVOA_U

ClientSampled :

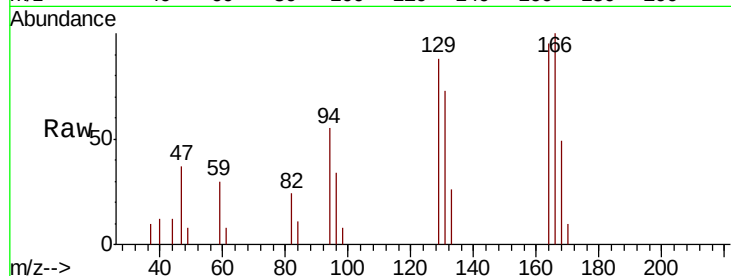
BFSG0

Tot Ion:129 Resp: 2923

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

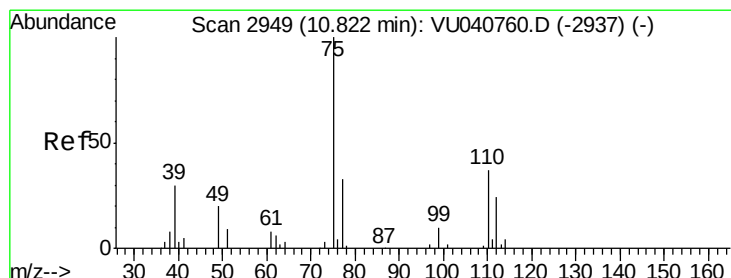
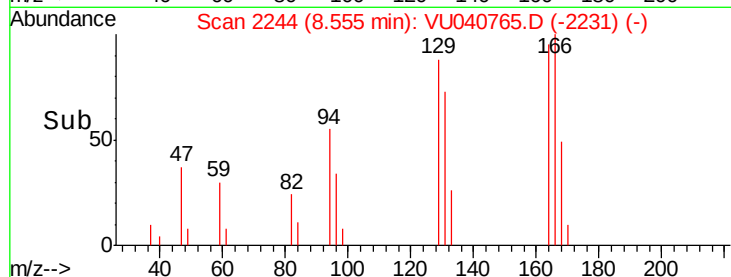
1500

1000

500

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 0.869 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040765.D

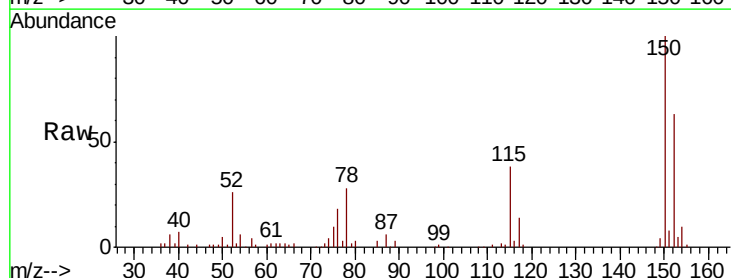
Acq: 16 Oct 2020 22:29

Tgt Ion: 75 Resp: 6876

Ion Ratio Lower Upper

75 100

77 34.3 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

