

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\
 Data File : VU040764.D
 Acq On : 16 Oct 2020 22:06
 Operator : SY/MD
 Sample : L4423-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF9

Quant Time: Oct 19 01:21:02 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	115046	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119326	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48150	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	35894	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	1.93	69	34376	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.58	63	57951	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.66	46	169232	55.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.96%
24) Chloroform-d	5.08	84	87898	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.72	65	54942	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.74	84	152039	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.70	67	55657	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.91	98	114859	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.19	79	20083	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	116727	50.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.08%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49112	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	49781	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

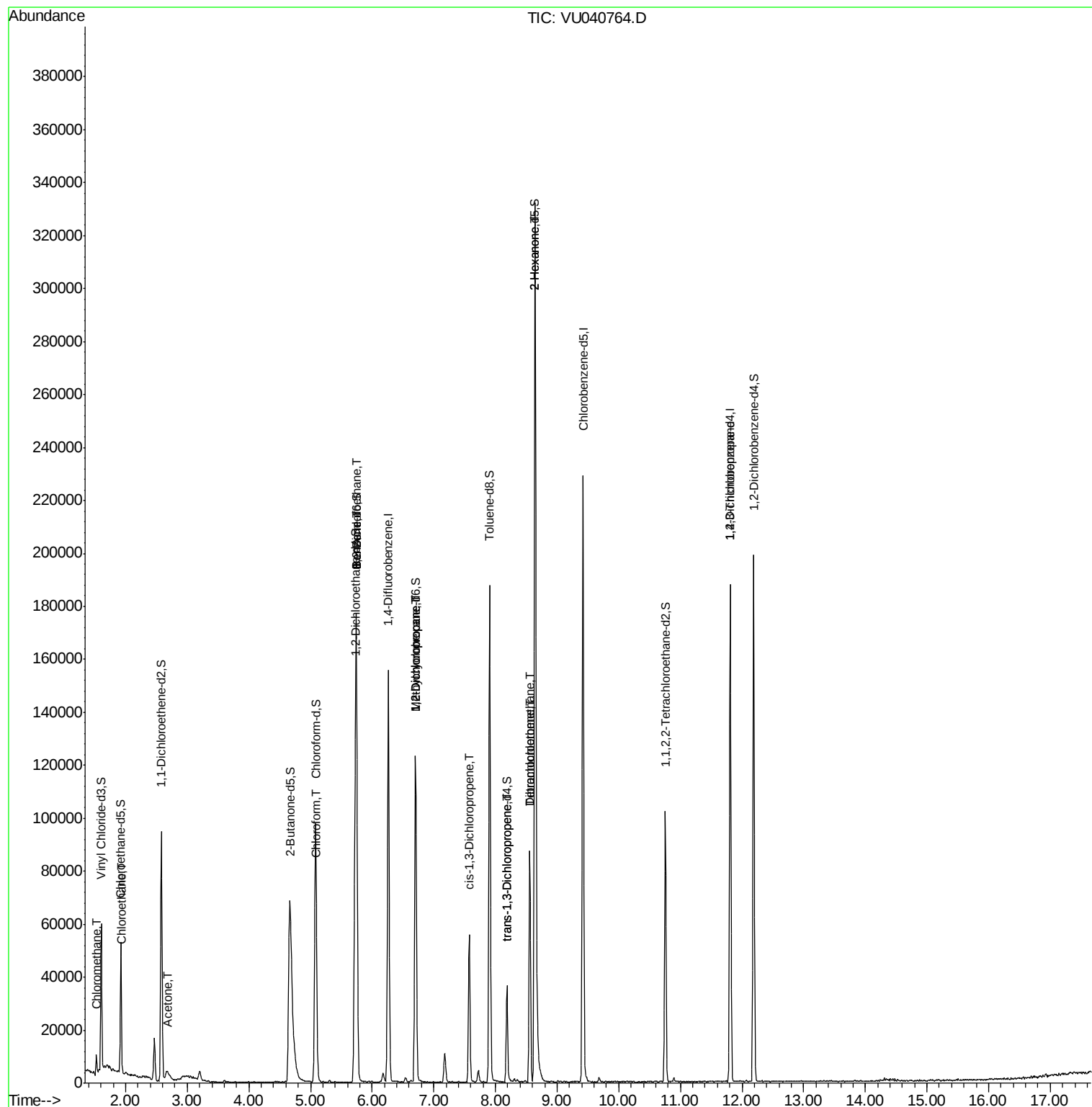
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	5117	0.525	ug/L	99
8) Chloroethane	1.94	64	634	0.097	ug/L #	41
13) Acetone	2.68	43	7518	3.179	ug/L	76
25) Chloroform	5.11	83	2172	0.120	ug/L	92
27) 1,2-Dichloroethane	5.74	62	990	0.077	ug/L #	77
33) Benzene	5.74	78	1207	0.031	ug/L	100
35) Methylcyclohexane	6.70	83	12850	0.912	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6496	0.608	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1297	0.089	ug/L #	46
44) trans-1,3-Dichloropropene	8.18	75	1060	0.079	ug/L #	83
47) Tetrachloroethene	8.56	164	17727	2.500	ug/L	94
48) 2-Hexanone	8.64	43	19344	3.051	ug/L #	71
49) Dibromochloromethane	8.56	129	17800	1.934	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6429	0.819	ug/L	93

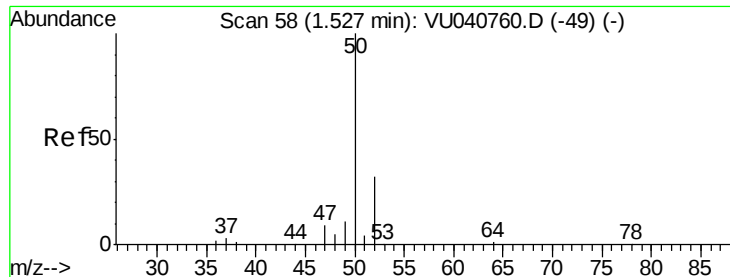
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.525 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040764.D

Acq: 16 Oct 2020 22:06

Instrument :

MSVOA_U

ClientSampleID :

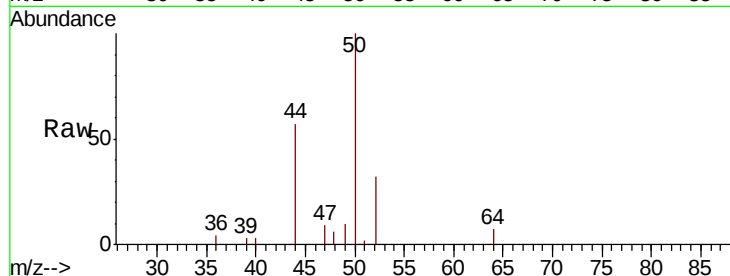
BFSF9

Tot Ion: 50 Resp: 5117

Ion Ratio Lower Upper

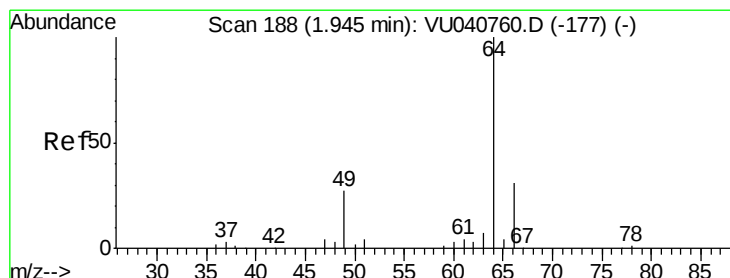
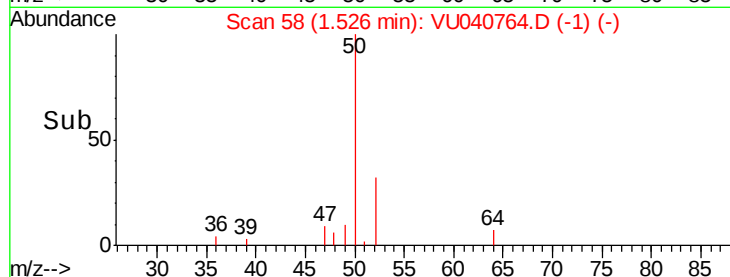
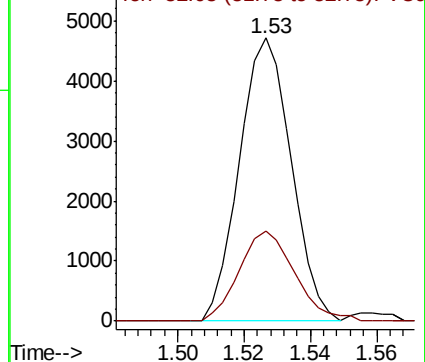
50 100

52 31.6 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: 0.097 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040764.D

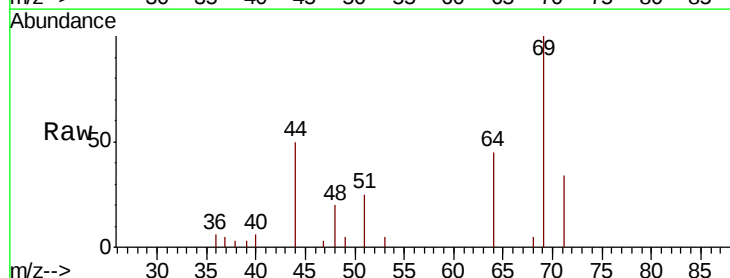
Acq: 16 Oct 2020 22:06

Tgt Ion: 64 Resp: 634

Ion Ratio Lower Upper

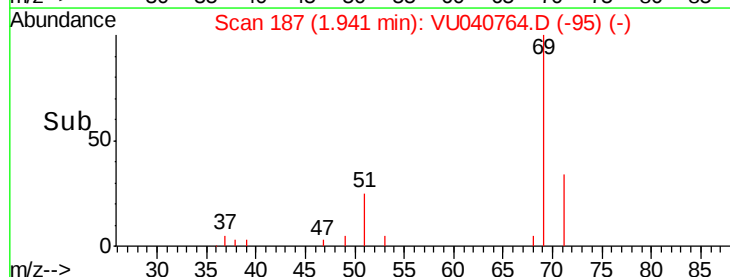
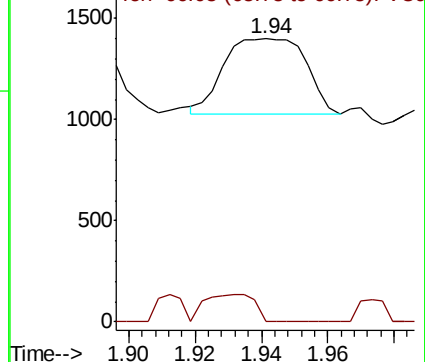
64 100

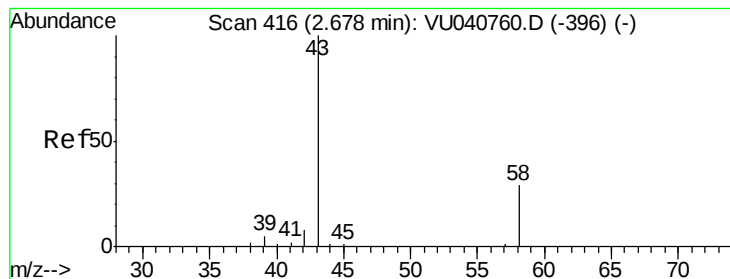
66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 3.179 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU040764.D

Acq: 16 Oct 2020 22:06

Instrument :

MSVOA_U

ClientSampleId :

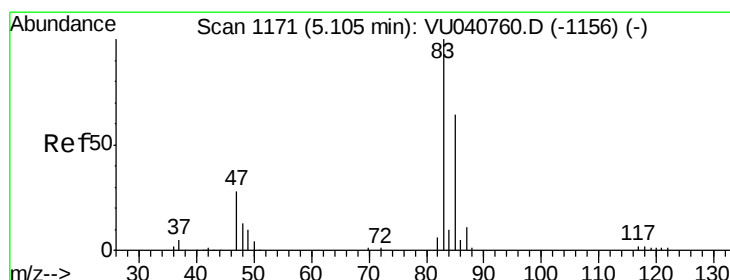
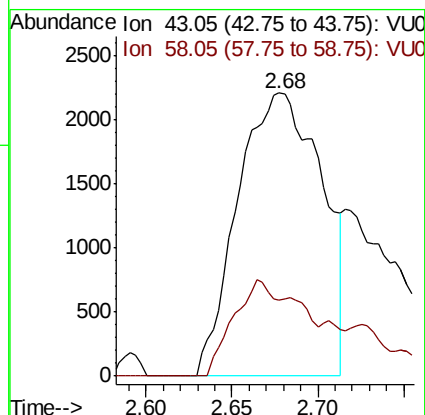
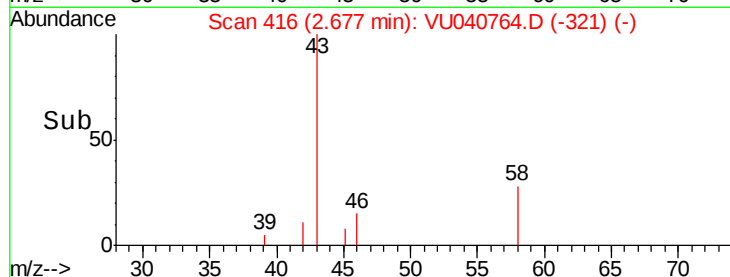
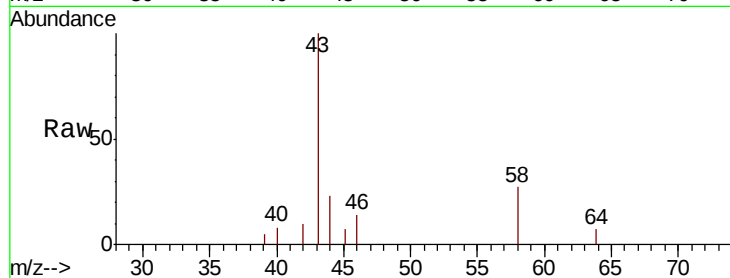
BFSF9

Tot Ion: 43 Resp: 7518

Ion Ratio Lower Upper

43 100

58 17.2 0.0 60.6



#25

Chloroform

Concen: 0.120 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040764.D

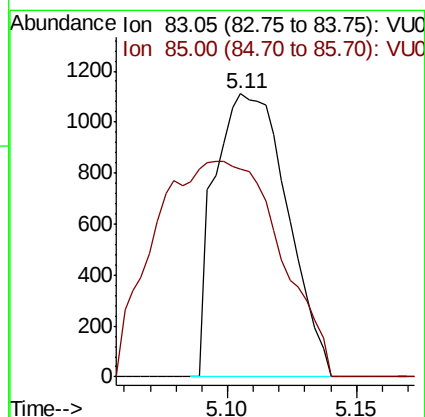
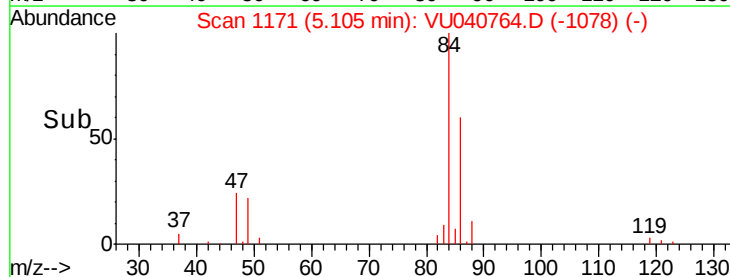
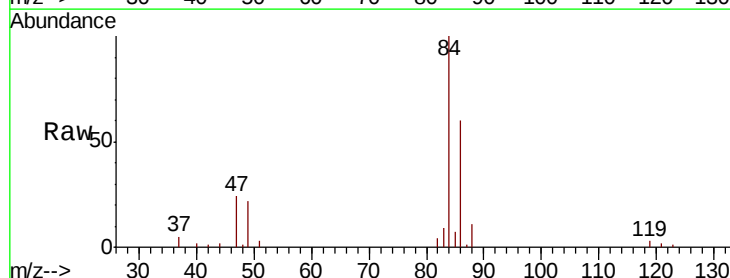
Acq: 16 Oct 2020 22:06

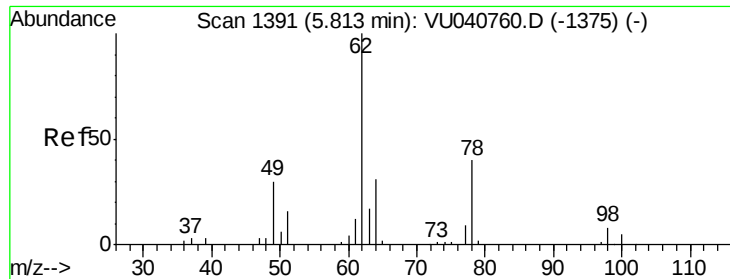
Tgt Ion: 83 Resp: 2172

Ion Ratio Lower Upper

83 100

85 73.3 46.5 86.5





#27

1,2-Dichloroethane

Concen: 0.077 ug/L

RT: 5.74 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU040764.D

Acq: 16 Oct 2020 22:06

Instrument :

MSVOA_U

ClientSampleId :

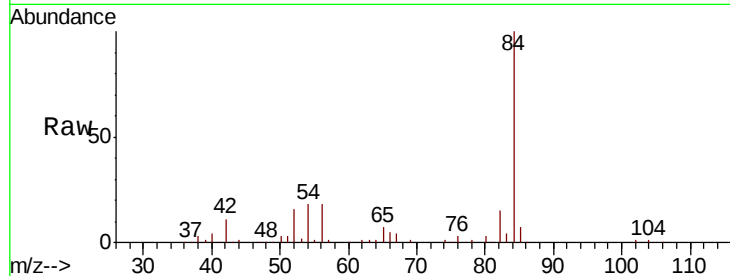
BFSF9

Tot Ion: 62 Resp: 990

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU040760.D (-1375) (-)

Ion 98.05 (97.75 to 98.75): VU040760.D (-1375) (-)

5.74

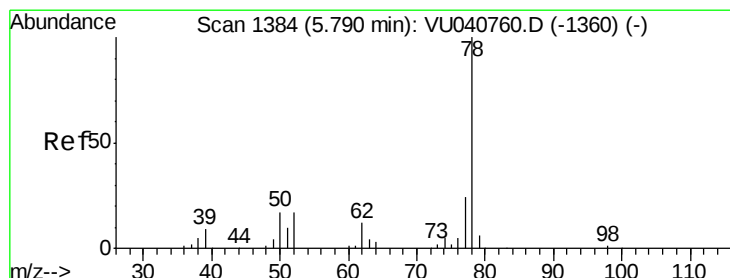
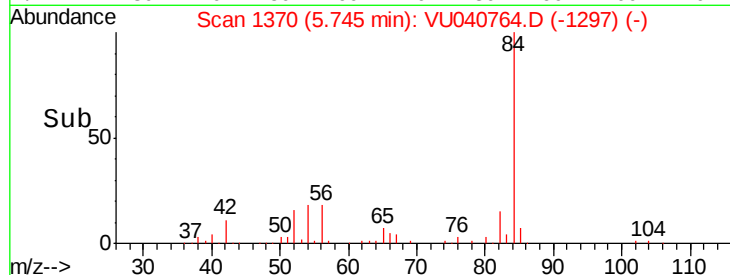
600

400

200

0

Time-->



#33

Benzene

Concen: 0.031 ug/L

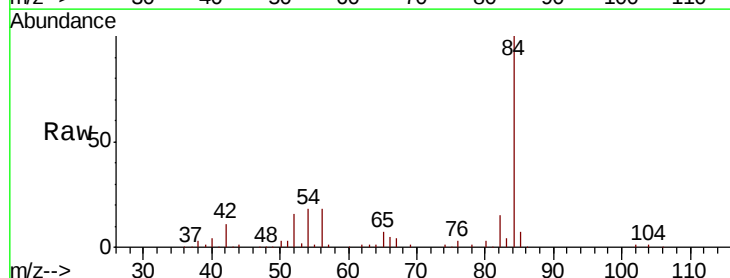
RT: 5.74 min Scan# 1370

Delta R.T. -0.04 min

Lab File: VU040764.D

Acq: 16 Oct 2020 22:06

Tgt Ion: 78 Resp: 1207



Abundance Ion 78.10 (77.80 to 78.80): VU040760.D (-1360) (-)

5.74

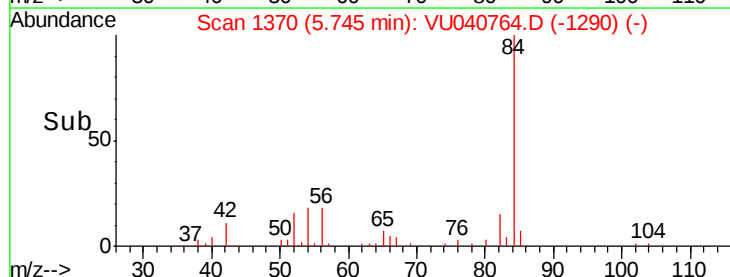
600

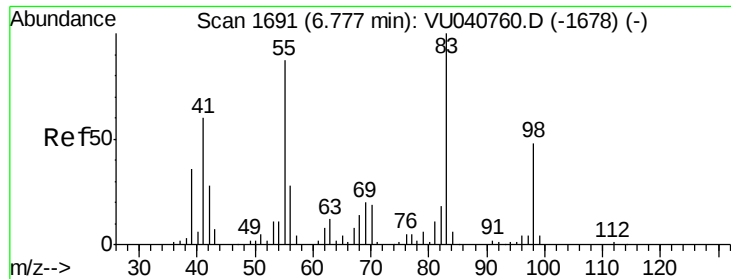
400

200

0

Time-->

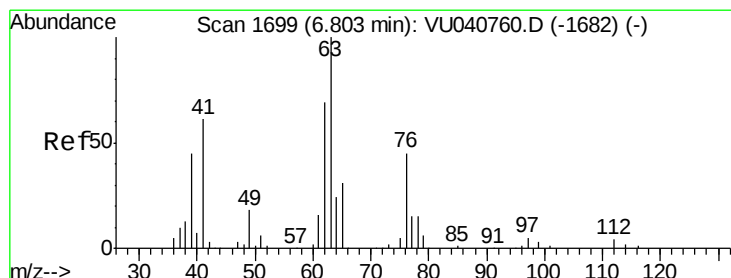
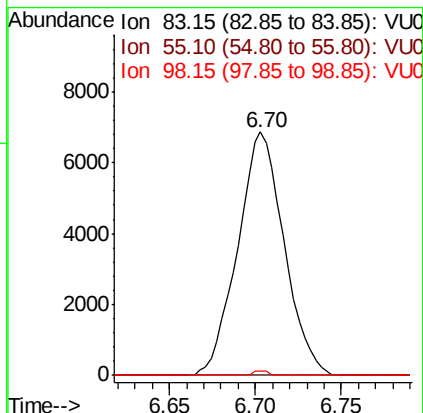
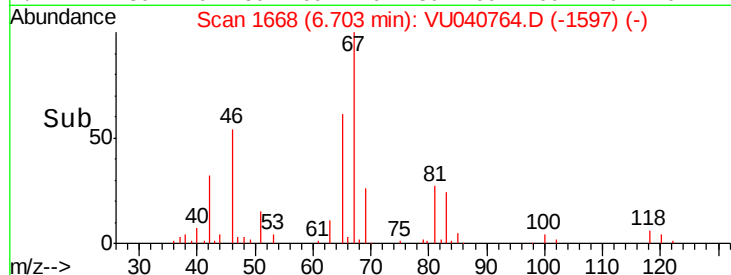
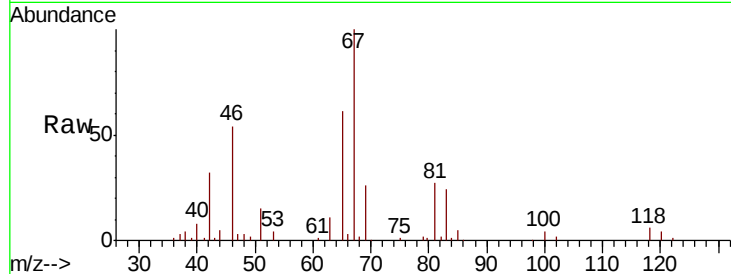




#35
Methylcyclohexane
Concen: 0.912 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040764.D
Acq: 16 Oct 2020 22:06

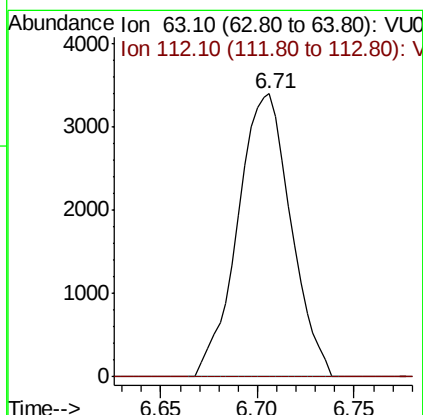
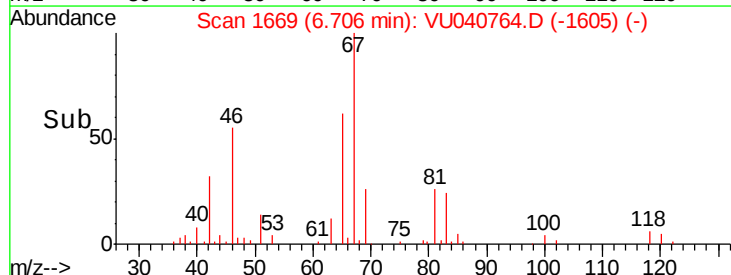
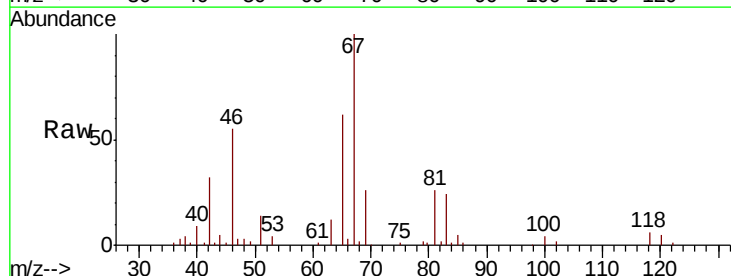
Instrument :
MSVOA_U
ClientSampled :
BFSF9

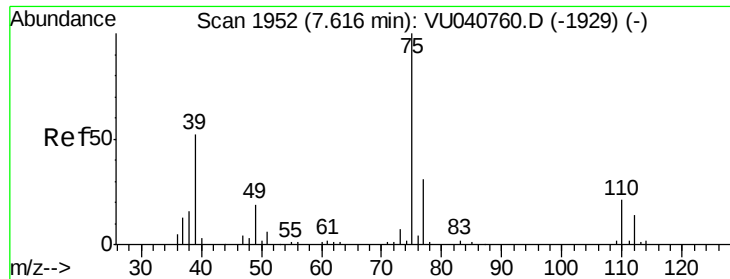
Tot Ion: 83 Resp: 12850
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.5 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.608 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU040764.D
Acq: 16 Oct 2020 22:06

Tgt Ion: 63 Resp: 6496
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040764.D

Acq: 16 Oct 2020 22:06

Instrument :

MSVOA_U

ClientSampled :

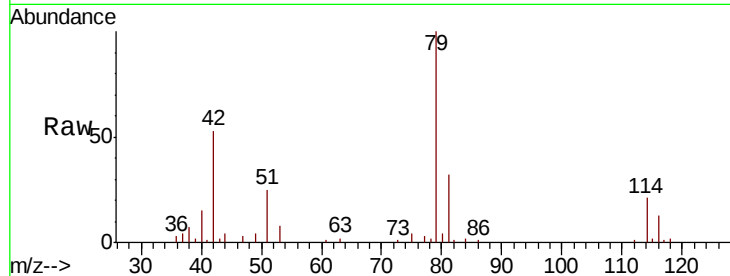
BFSF9

Tot Ion: 75 Resp: 1297

Ion Ratio Lower Upper

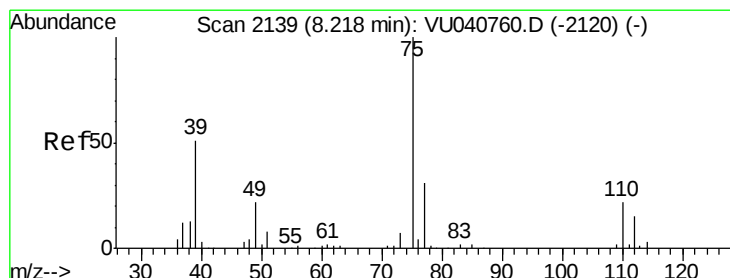
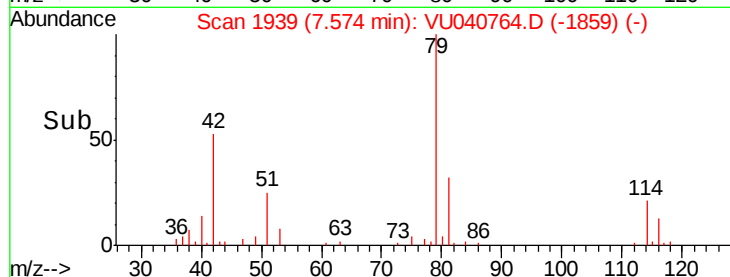
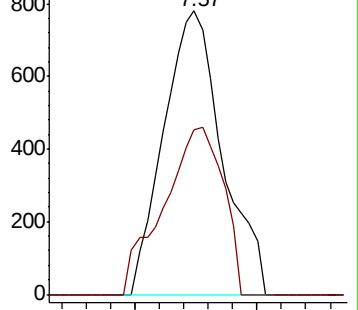
75 100

77 58.2 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040764.D

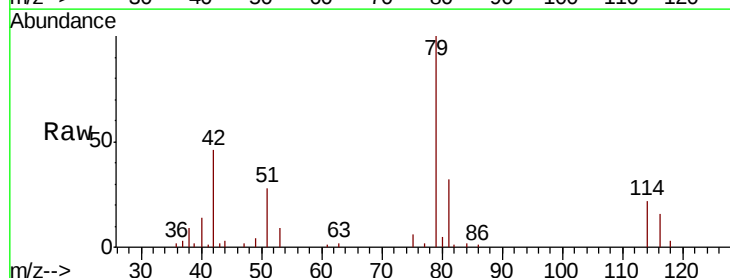
Acq: 16 Oct 2020 22:06

Tgt Ion: 75 Resp: 1060

Ion Ratio Lower Upper

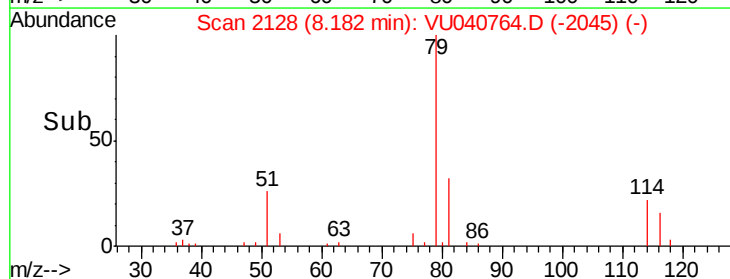
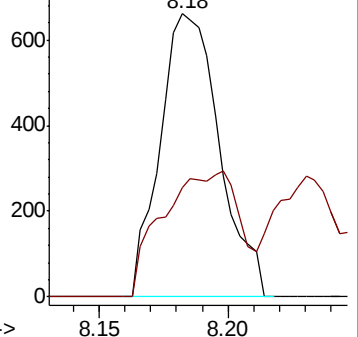
75 100

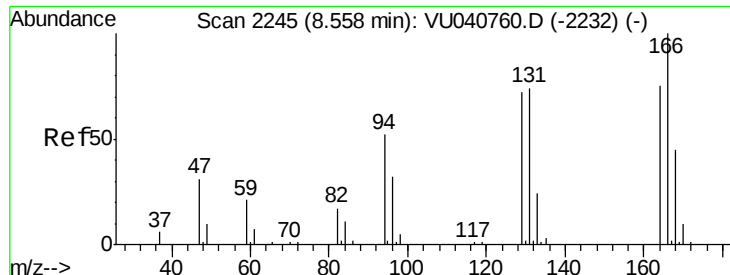
77 38.4 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 2.500 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040764.D

Acq: 16 Oct 2020 22:06

Instrument :

MSVOA_U

ClientSampleId :

BFSF9

Tot Ion:164 Resp: 17727

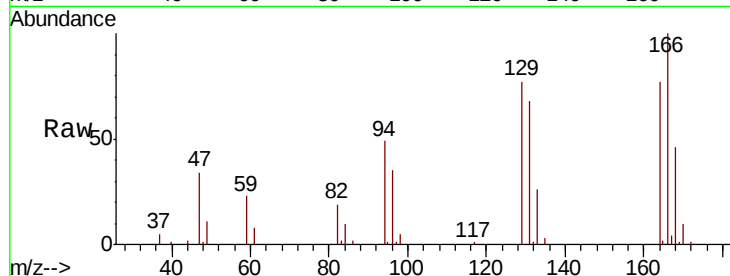
Ion Ratio Lower Upper

164 100

129 100.0 68.8 127.8

131 88.3 66.7 123.9

166 130.4 83.9 155.7

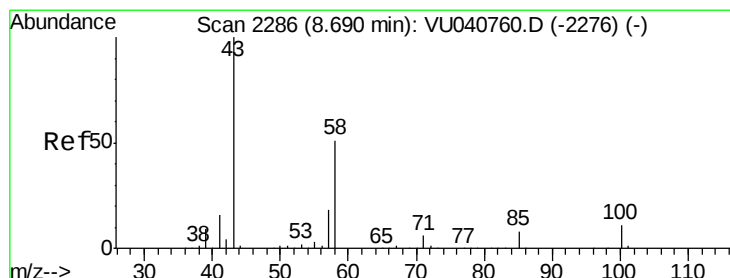
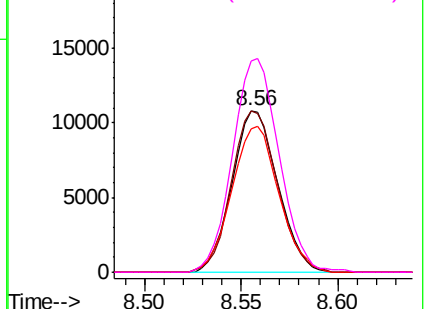
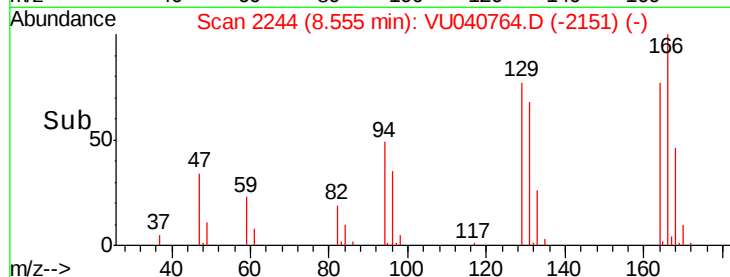


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.051 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040764.D

Acq: 16 Oct 2020 22:06

Tgt Ion: 43 Resp: 19344

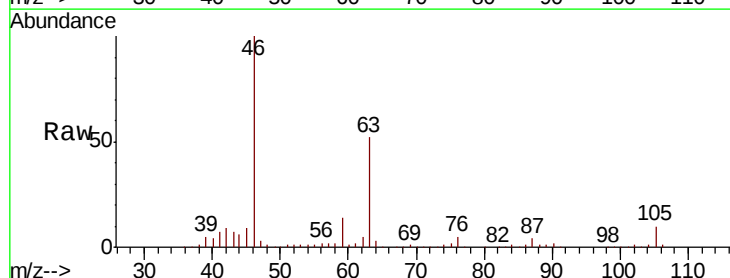
Ion Ratio Lower Upper

43 100

58 28.6 41.0 61.6#

57 27.5 14.4 21.6#

100 1.8 8.6 13.0#

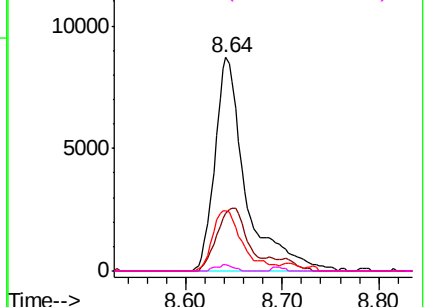
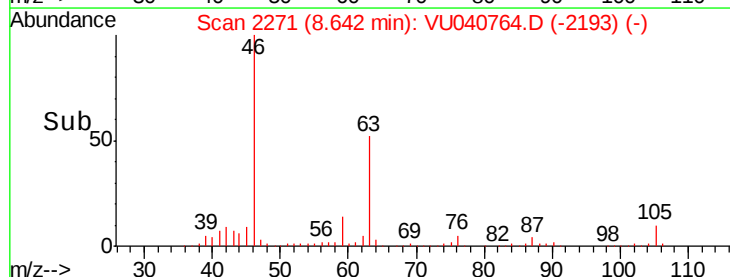


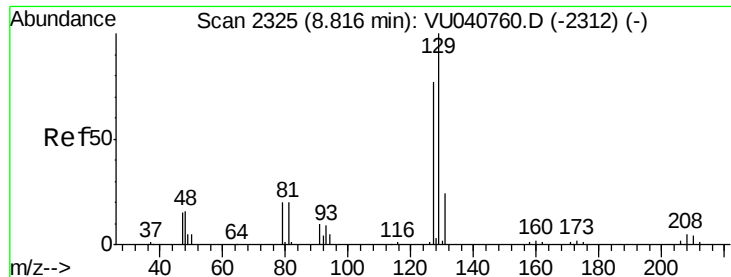
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 1.934 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040764.D

Acq: 16 Oct 2020 22:06

Instrument :

MSVOA_U

ClientSampleId :

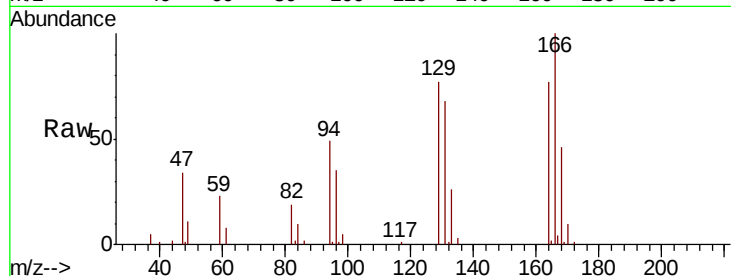
BFSF9

Tot Ion:129 Resp: 17800

Ion Ratio Lower Upper

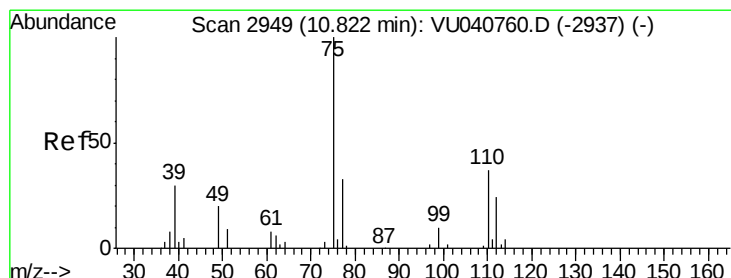
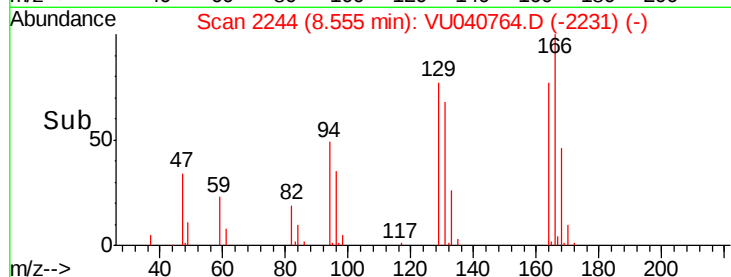
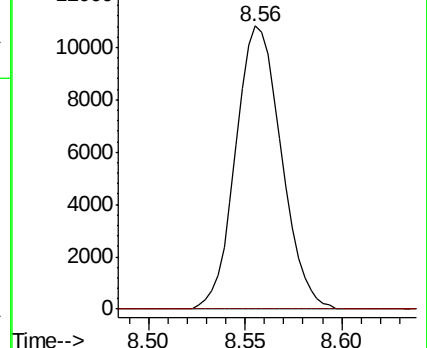
129 100

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: 0.819 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040764.D

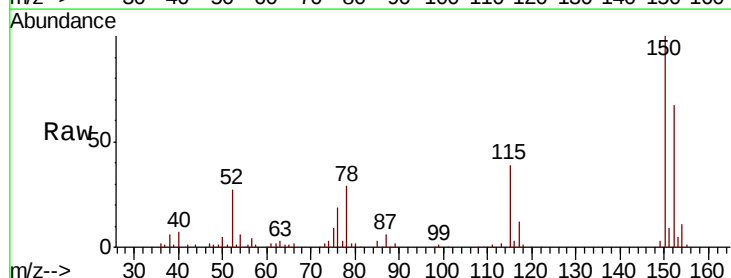
Acq: 16 Oct 2020 22:06

Tgt Ion: 75 Resp: 6429

Ion Ratio Lower Upper

75 100

77 36.8 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

