

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040467.D
 Acq On : 02 Oct 2020 18:15
 Operator : SY/MD
 Sample : L4209-04MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 00:19:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	135549	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	131844	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60970	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	0.00	65	0	0.00	ug/L	
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.00%#
7) Chloroethane-d5	1.92	69	25512	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.58	63	40014	2.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.60%#
20) 2-Butanone-d5	4.66	46	135806	40.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.48%
24) Chloroform-d	5.08	84	63874	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
26) 1,2-Dichloroethane-d4	5.72	65	41373	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
32) Benzene-d6	5.74	84	128251	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.70	67	43897	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.91	98	25220	1.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	22.00%#
43) trans-1,3-Dichloropropene-	8.19	79	7705	1.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	39.00%#
46) 2-Hexanone-d5	8.64	63	93466	40.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37094	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	48025	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	2016	0.151	ug/L 95
12) 1,1-Dichloroethene	2.59	96	25778	2.497	ug/L 98
13) Acetone	2.66	43	14886	5.359	ug/L 99
25) Chloroform	5.11	83	3462	0.155	ug/L 97
27) 1,2-Dichloroethane	5.79	62	2315	0.150	ug/L # 74
33) Benzene	5.79	78	212329	4.803	ug/L 100
34) Trichloroethene	6.56	95	54657	4.658	ug/L 94
35) Methylcyclohexane	6.70	83	10154	0.590	ug/L # 13
37) 1,2-Dichloropropane	6.71	63	5019	0.408	ug/L # 88
38) Bromodichloromethane	7.11	83	1318	0.087	ug/L # 96
42) Toluene	7.98	91	40578	0.895	ug/L 98
49) Dibromochloromethane	8.81	129	1851	0.184	ug/L 100
51) Chlorobenzene	9.45	112	147339	5.028	ug/L 99
59) 1,2,3-Trichloropropane	11.81	75	8897	0.997	ug/L 90
61) Bromoform	10.29	173	3613	0.717	ug/L # 93

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 03 00:09:31 2020
Response via : Initial Calibration

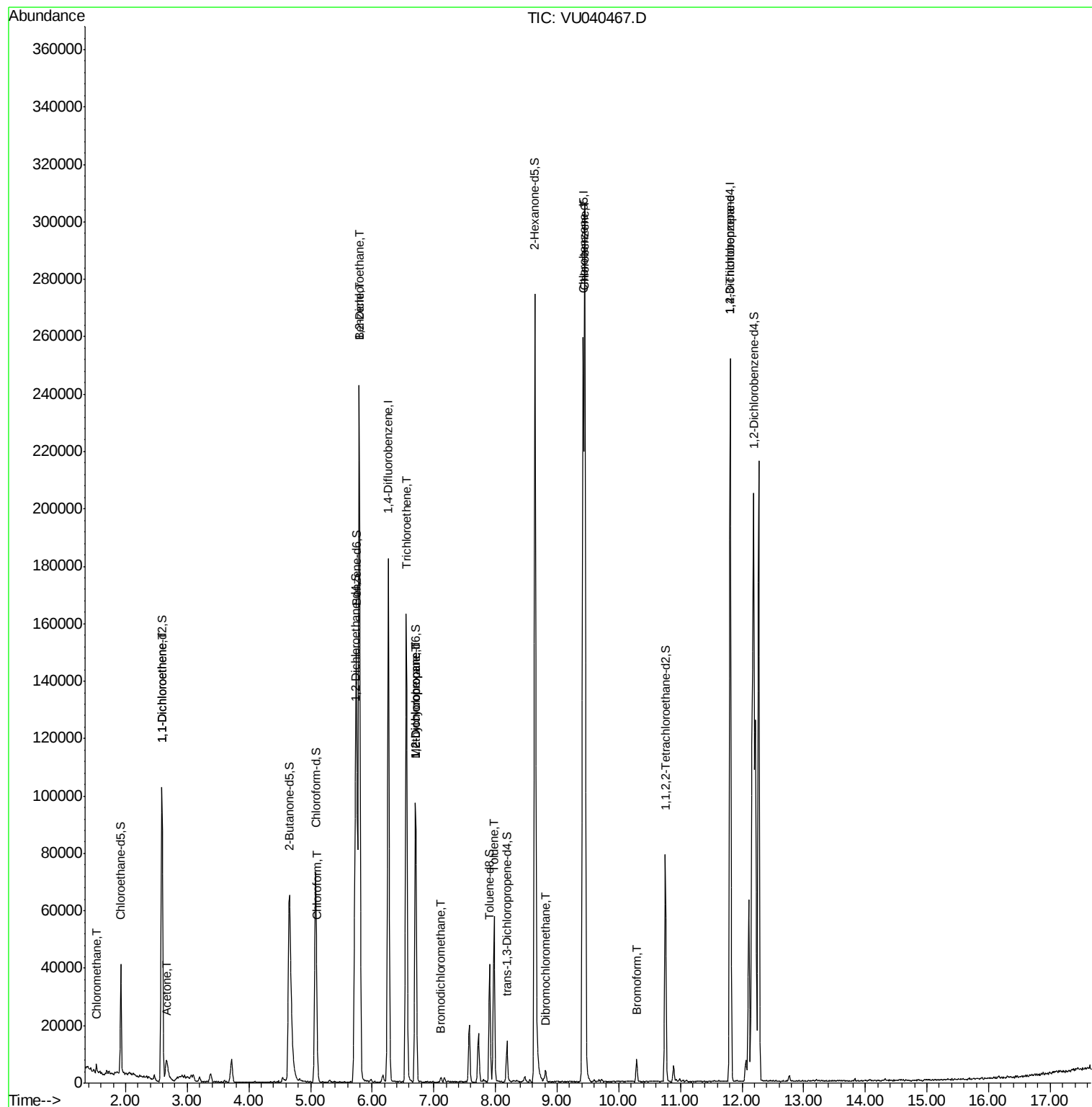
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

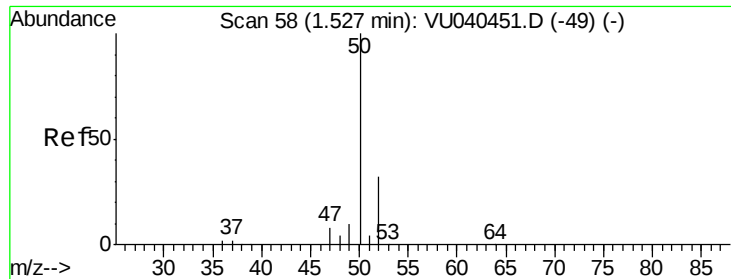
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.151 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040467.D

Acq: 02 Oct 2020 18:15

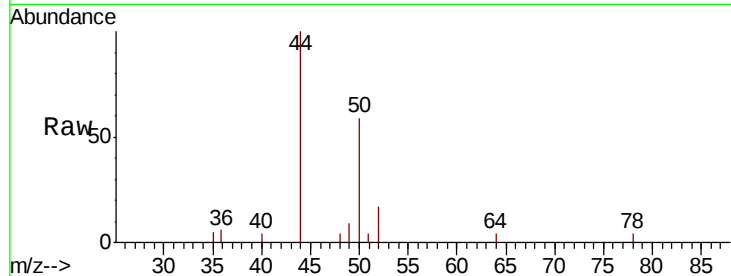
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 2016

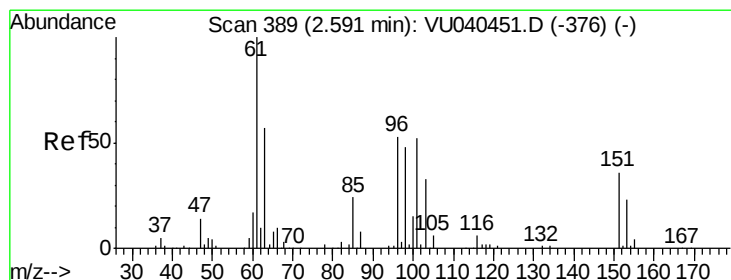
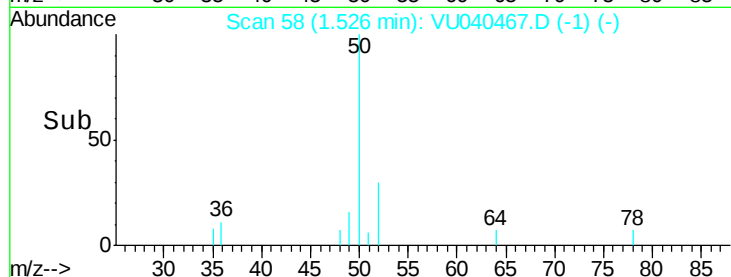
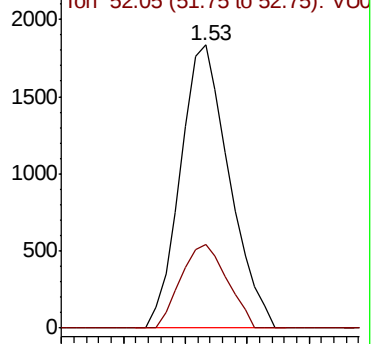
Ion Ratio Lower Upper

50 100

52 29.7 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU040467.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 2.497 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040467.D

Acq: 02 Oct 2020 18:15

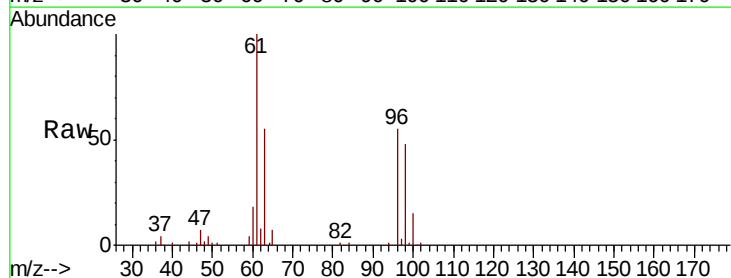
Tgt Ion: 96 Resp: 25778

Ion Ratio Lower Upper

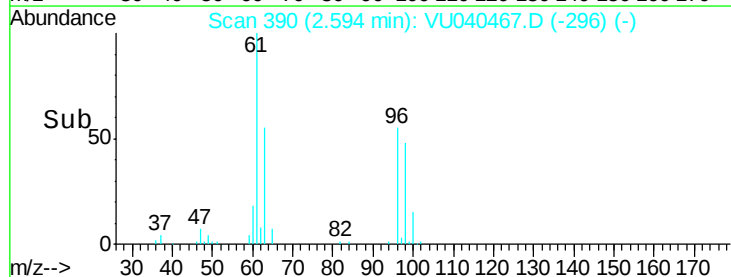
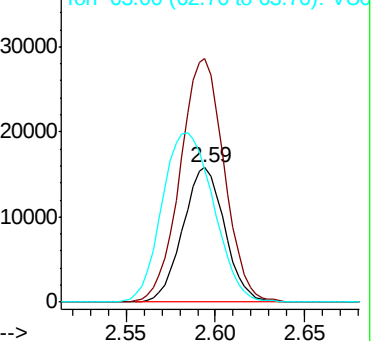
96 100

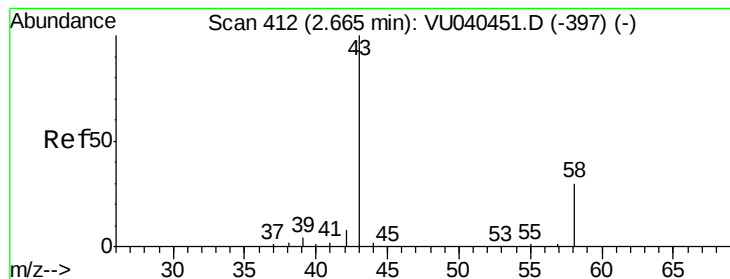
61 180.7 128.6 238.8

63 98.5 67.8 126.0



Abundance Ion 96.00 (95.70 to 96.70): VU040467.D (-296) (-)





#13

Acetone

Concen: 5.359 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU040467.D

Acq: 02 Oct 2020 18:15

Instrument :

MSVOA_U

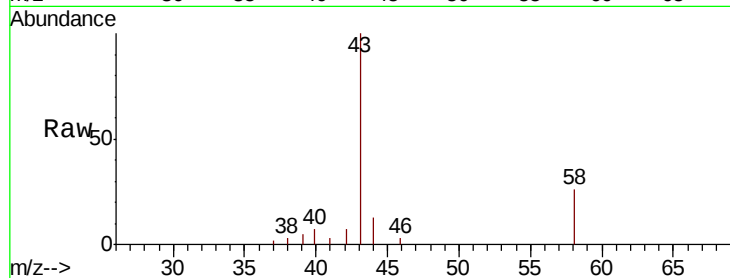
ClientSampled :

Tot Ion: 43 Resp: 14886

Ion Ratio Lower Upper

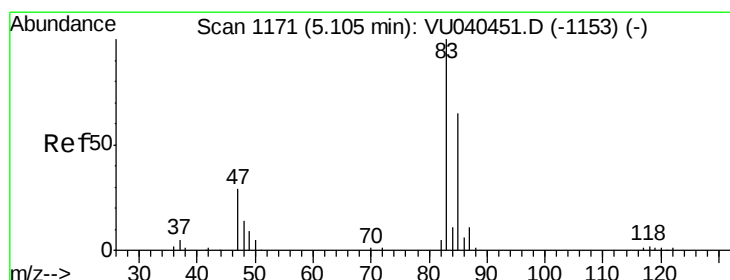
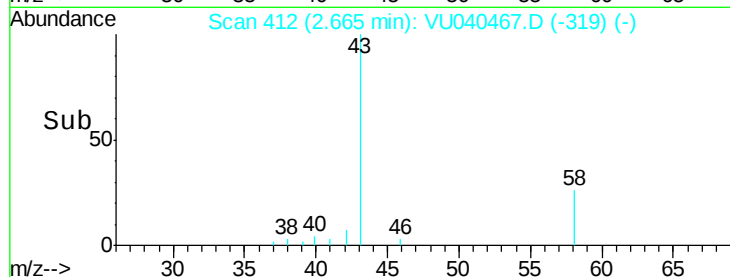
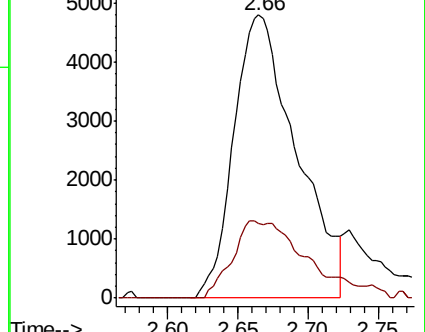
43 100

58 31.6 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040467.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU040467.D (-319) (-)



#25

Chloroform

Concen: 0.155 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040467.D

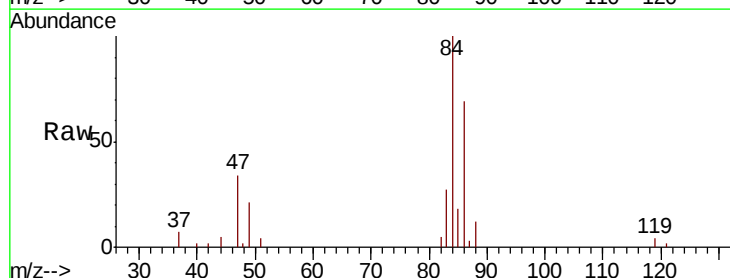
Acq: 02 Oct 2020 18:15

Tgt Ion: 83 Resp: 3462

Ion Ratio Lower Upper

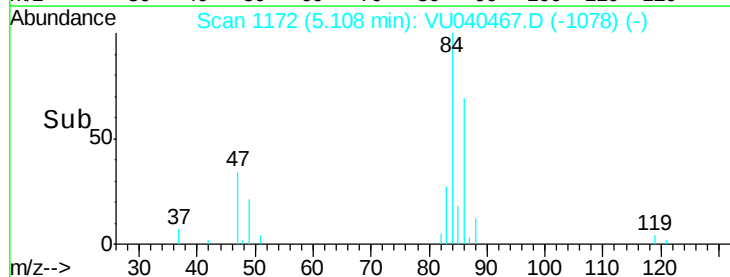
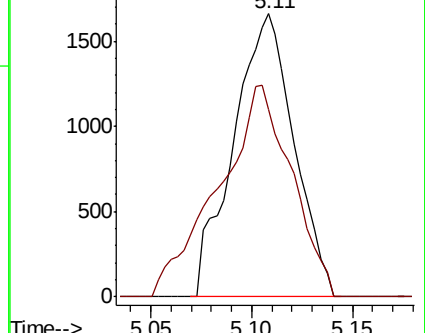
83 100

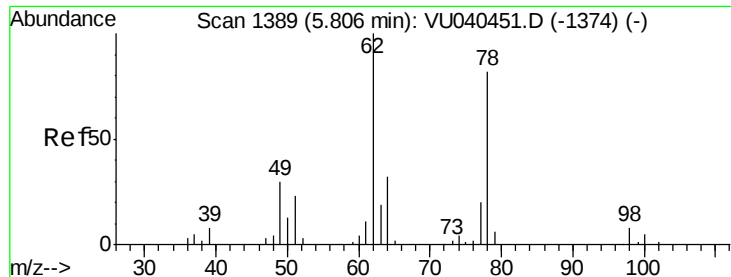
85 66.2 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU040467.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040467.D (-1078) (-)





#27

1,2-Dichloroethane

Concen: 0.150 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. -0.02 min

Lab File: VU040467.D

Acq: 02 Oct 2020 18:15

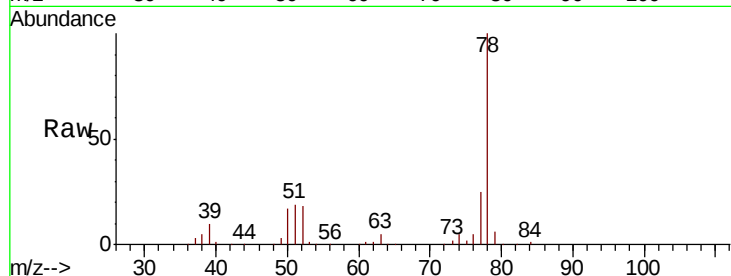
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 2315

Ion Ratio Lower Upper

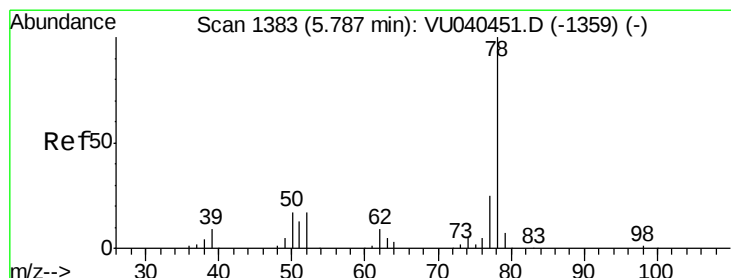
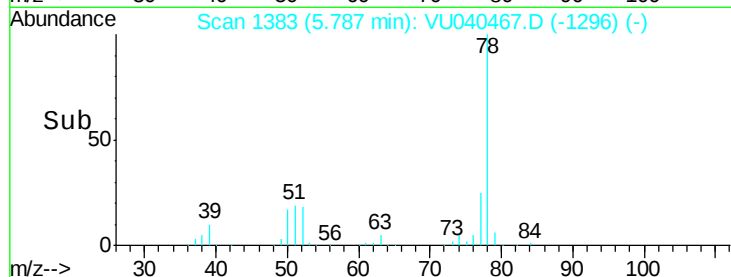
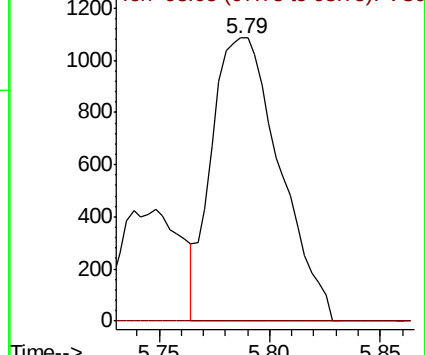
62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU040451.D (-1374) (-)

Ion 98.05 (97.75 to 98.75): VU040451.D (-1374) (-)



#33

Benzene

Concen: 4.803 ug/L

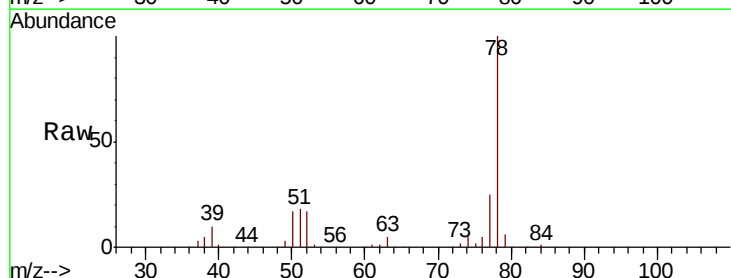
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040467.D

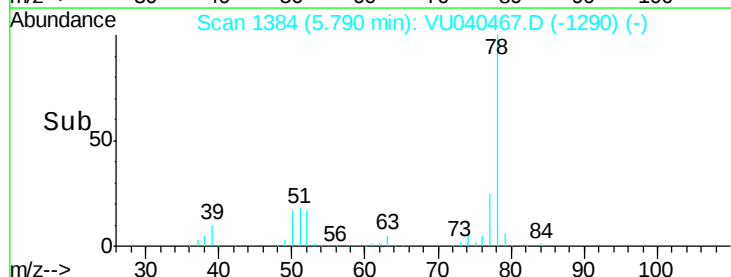
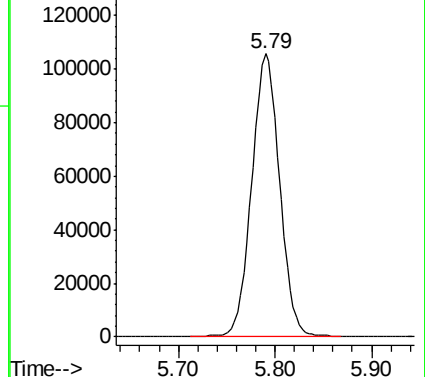
Acq: 02 Oct 2020 18:15

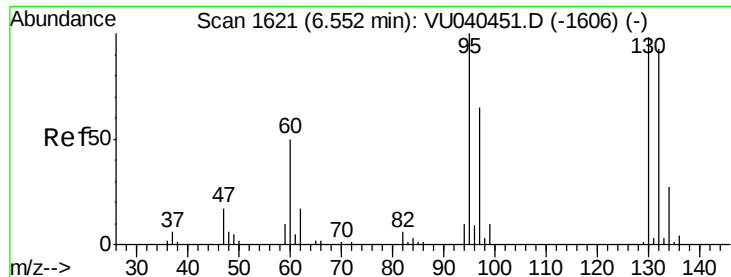
Tgt Ion: 78 Resp: 212329



Abundance Ion 78.10 (77.80 to 78.80): VU040451.D (-1359) (-)

Ion 78.10 (77.80 to 78.80): VU040451.D (-1359) (-)

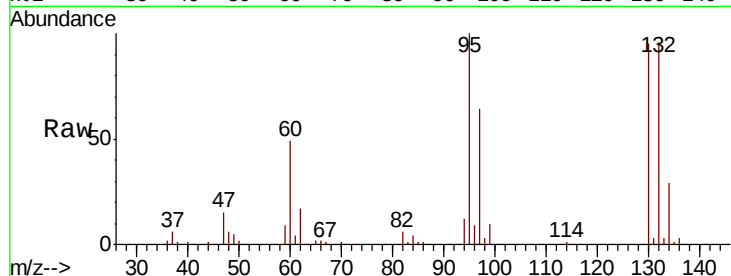




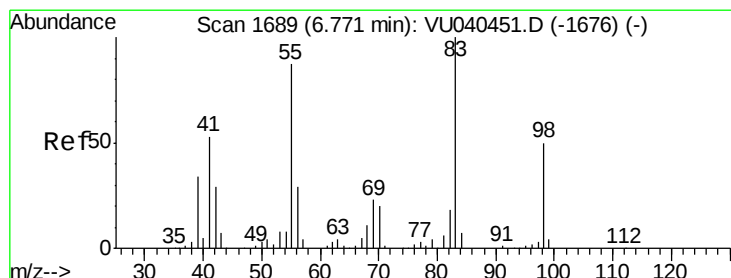
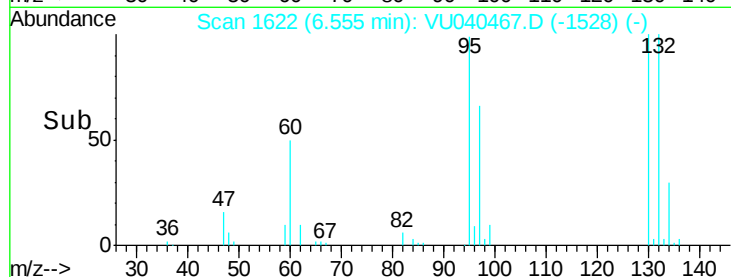
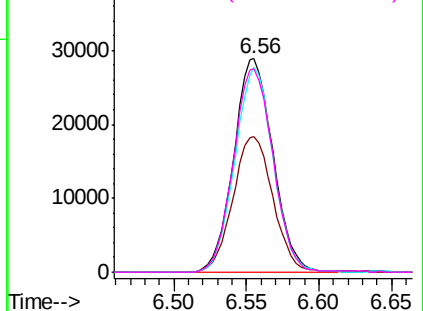
#34
 Trichloroethene
 Concen: 4.658 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040467.D
 Acq: 02 Oct 2020 18:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 54657
 Ion Ratio Lower Upper
 95 100
 97 63.6 46.3 85.9
 132 95.9 60.5 112.3
 130 95.4 64.3 119.3

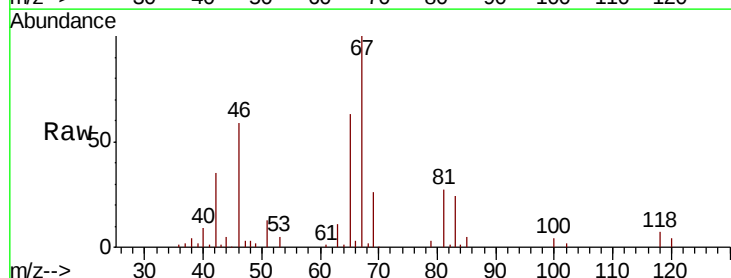


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

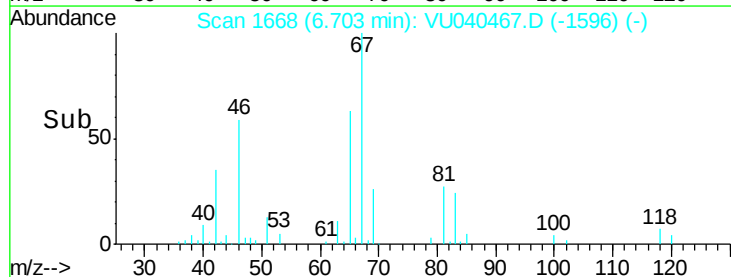
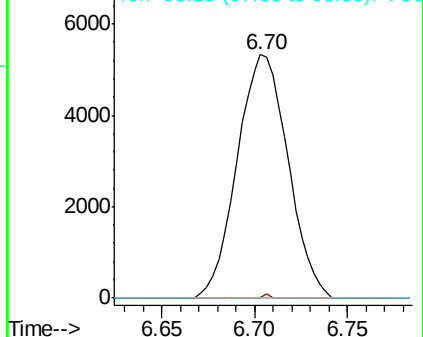


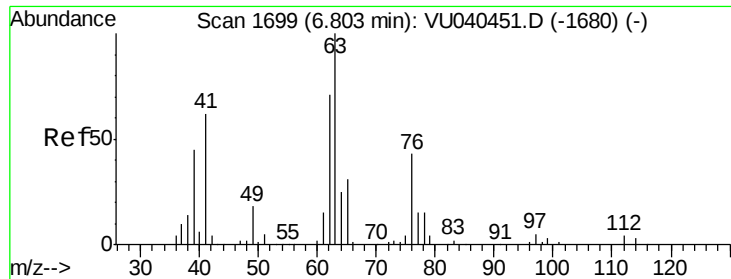
#35
 Methylcyclohexane
 Concen: 0.590 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040467.D
 Acq: 02 Oct 2020 18:15

Tgt Ion: 83 Resp: 10154
 Ion Ratio Lower Upper
 83 100
 55 0.2 71.4 107.2#
 98 0.0 38.5 57.7#



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

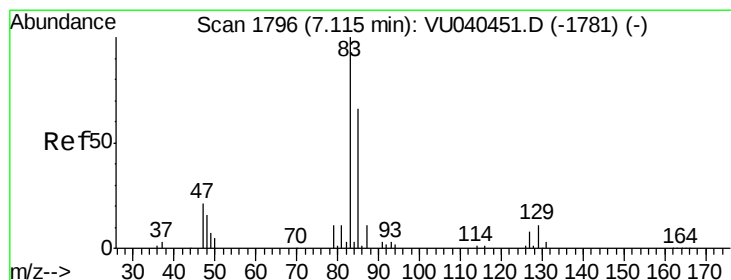
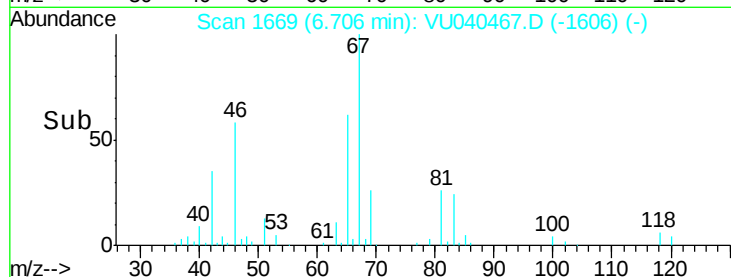
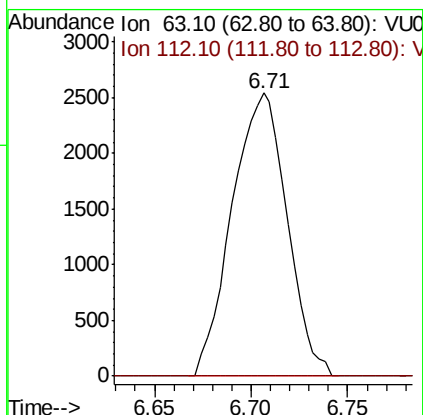
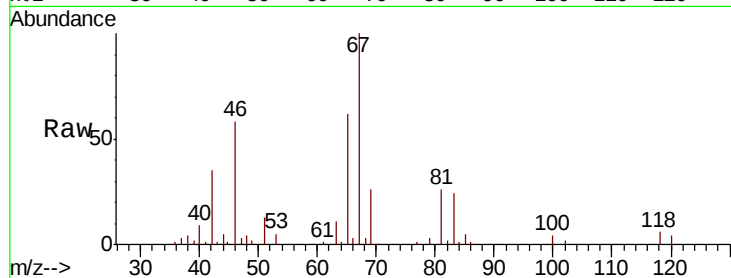




#37
 1,2-Dichloropropane
 Concen: 0.408 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU040467.D
 Acq: 02 Oct 2020 18:15

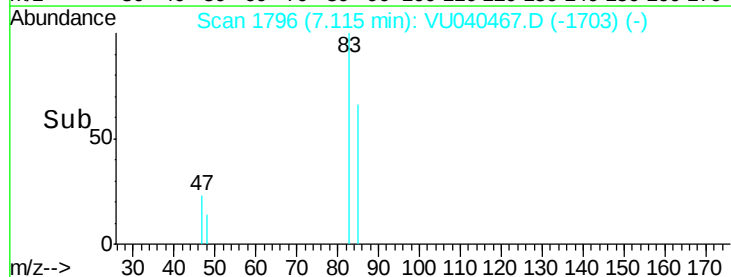
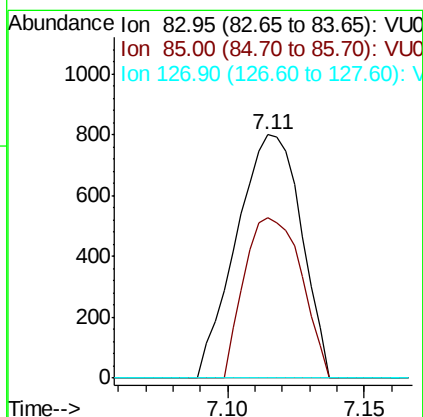
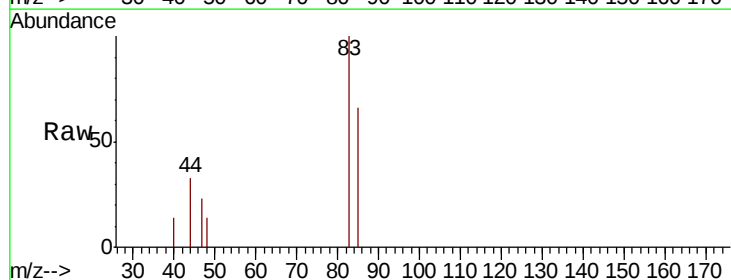
Instrument :
 MSVOA_U
 ClientSampleId :

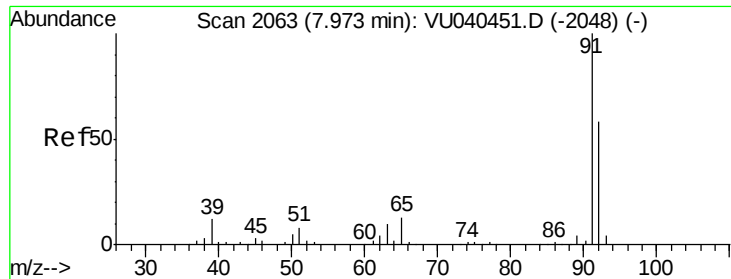
Tot Ion: 63 Resp: 5019
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 0.087 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040467.D
 Acq: 02 Oct 2020 18:15

Tgt Ion: 83 Resp: 1318
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.1 83.9
 127 0.0 6.6 9.8#





#42

Toluene

Concen: 0.895 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040467.D

Acq: 02 Oct 2020 18:15

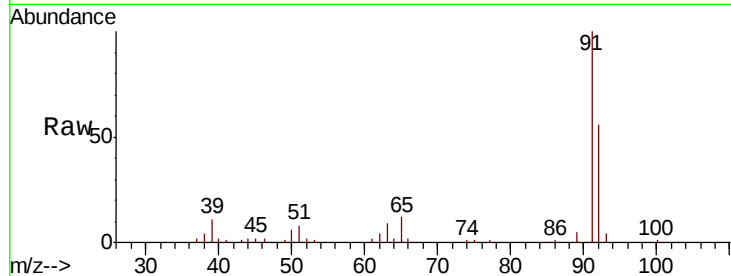
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 40578

Ion Ratio Lower Upper

91 100

92 56.1 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU040451.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040451.D (-2048) (-)

7.98

25000

20000

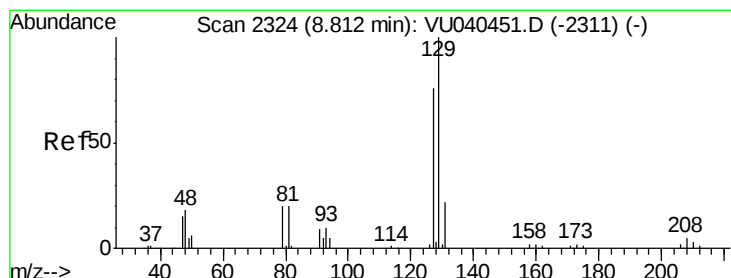
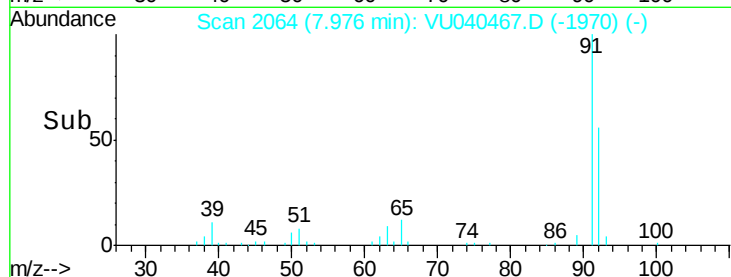
15000

10000

5000

0

Time-->



#49

Dibromochloromethane

Concen: 0.184 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040467.D

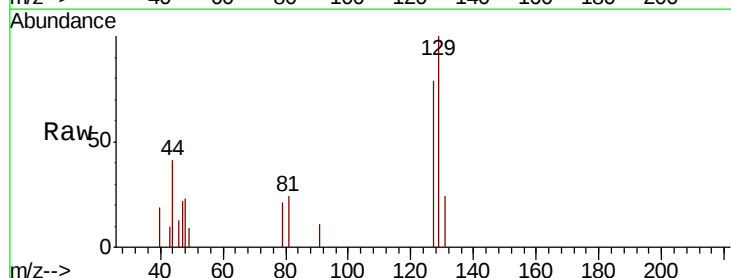
Acq: 02 Oct 2020 18:15

Tgt Ion: 129 Resp: 1851

Ion Ratio Lower Upper

129 100

127 79.5 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040451.D (-2311) (-)

Ion 126.90 (126.60 to 127.60): VU040451.D (-2311) (-)

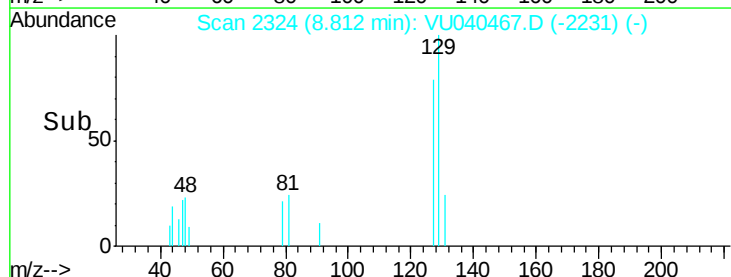
8.81

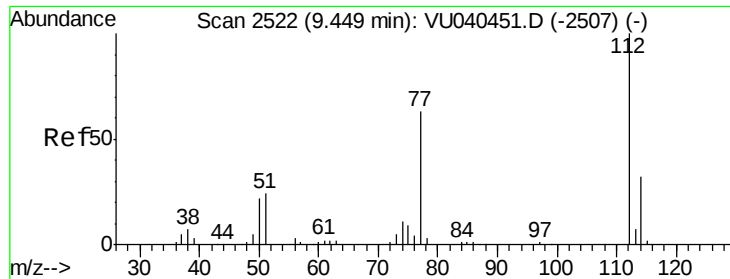
1000

500

0

Time-->





#51

Chlorobenzene

Concen: 5.028 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040467.D

Acq: 02 Oct 2020 18:15

Instrument :
MSVOA_U
ClientSampled :

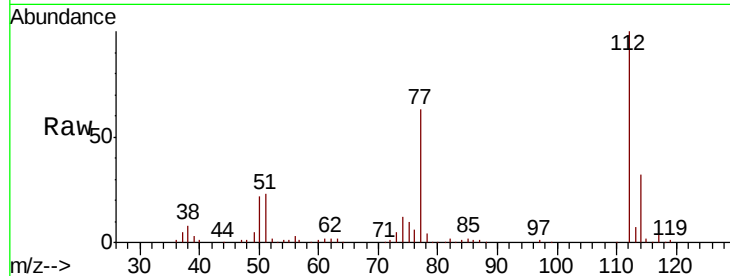
Tot Ion:112 Resp: 147339

Ion Ratio Lower Upper

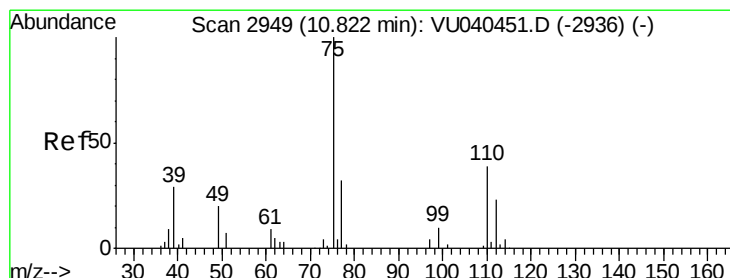
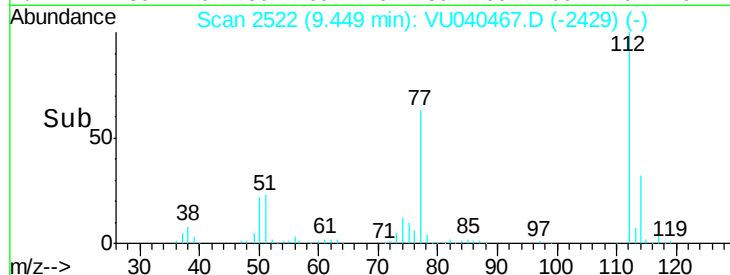
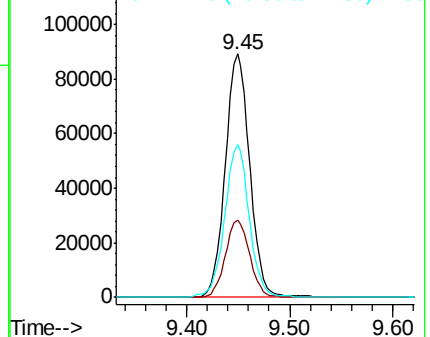
112 100

114 31.7 22.0 40.8

77 62.9 49.5 74.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59

1,2,3-Trichloropropane

Concen: 0.997 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040467.D

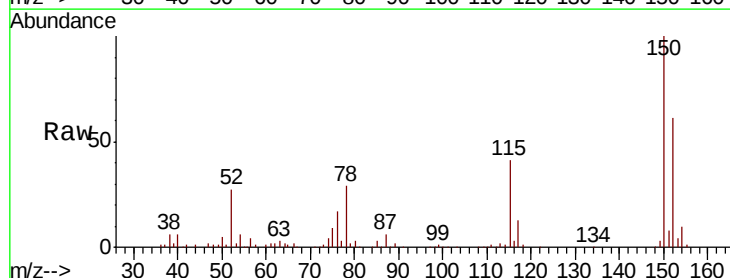
Acq: 02 Oct 2020 18:15

Tgt Ion: 75 Resp: 8897

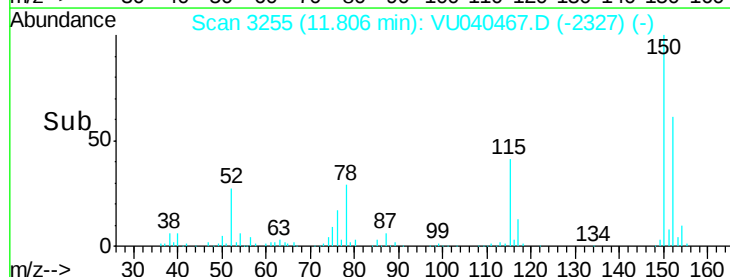
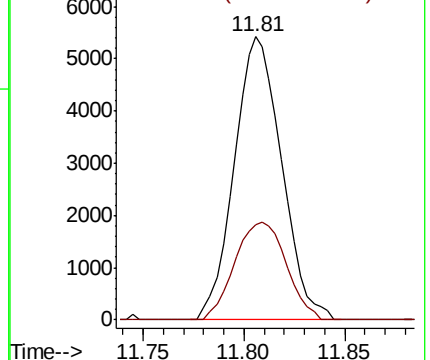
Ion Ratio Lower Upper

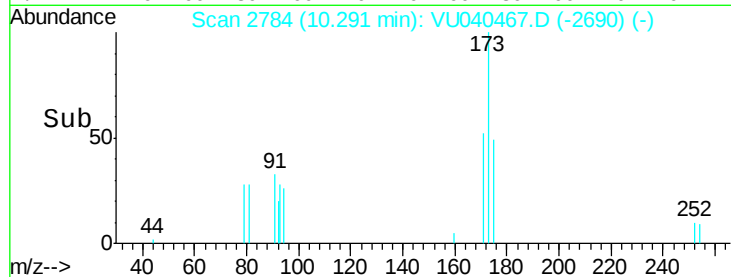
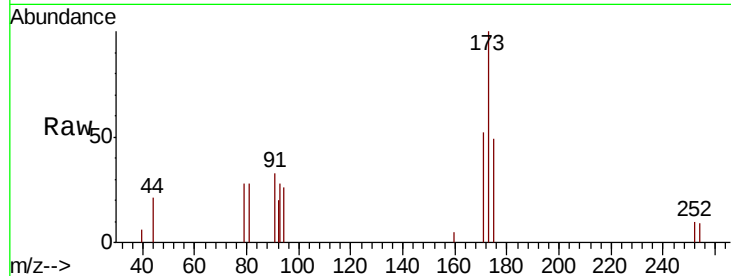
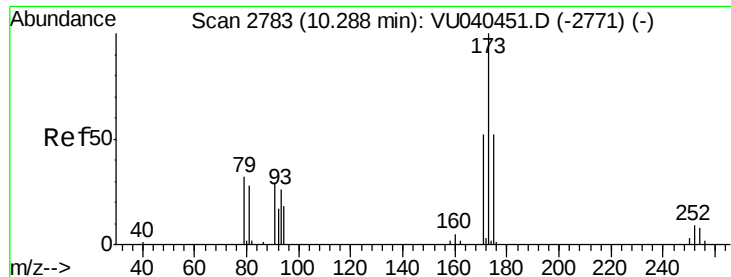
75 100

77 37.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#61

Bromoform

Concen: 0.717 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040467.D

Acq: 02 Oct 2020 18:15

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:173 Resp: 3613

Ion Ratio Lower Upper

173 100

175 44.9 39.6 59.4

254 5.0 7.0 10.4#

Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

