

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040456.D
 Acq On : 02 Oct 2020 13:24
 Operator : SY/MD
 Sample : L4185-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AS1

Quant Time: Oct 03 00:17:11 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	135772	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135439	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	64054	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33264	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.92	69	27326	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.58	63	51729	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	4.66	46	134243	40.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.42%
24) Chloroform-d	5.08	84	66653	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
26) 1,2-Dichloroethane-d4	5.72	65	42143	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.75	84	130210	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.71	67	43648	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	7.91	98	110875	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.19	79	17763	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.64	63	93858	39.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	39009	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	46621	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1287	0.096 ug/L #	72
13) Acetone	2.65	43	27448	9.865 ug/L	89
21) 2-Butanone	4.83	43	146538	32.813 ug/L #	52
25) Chloroform	5.11	83	2460	0.110 ug/L	95
33) Benzene	5.79	78	2083	0.046 ug/L	100
34) Trichloroethene	6.27	95	2492	0.207 ug/L #	8
35) Methylcyclohexane	6.70	83	10249	0.580 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	5276	0.417 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1373	0.081 ug/L #	60
42) Toluene	7.98	91	22760	0.489 ug/L	93
44) trans-1,3-Dichloropropene	8.19	75	809	0.052 ug/L #	47
49) Dibromochloromethane	8.81	129	511	0.050 ug/L	86
59) 1,2,3-Trichloropropane	11.81	75	8557	0.934 ug/L	93
61) Bromoform	10.30	173	243	0.046 ug/L #	35
66) 1,2-Dibromo-3-chloropropan	13.20	75	213	0.115 ug/L #	10

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

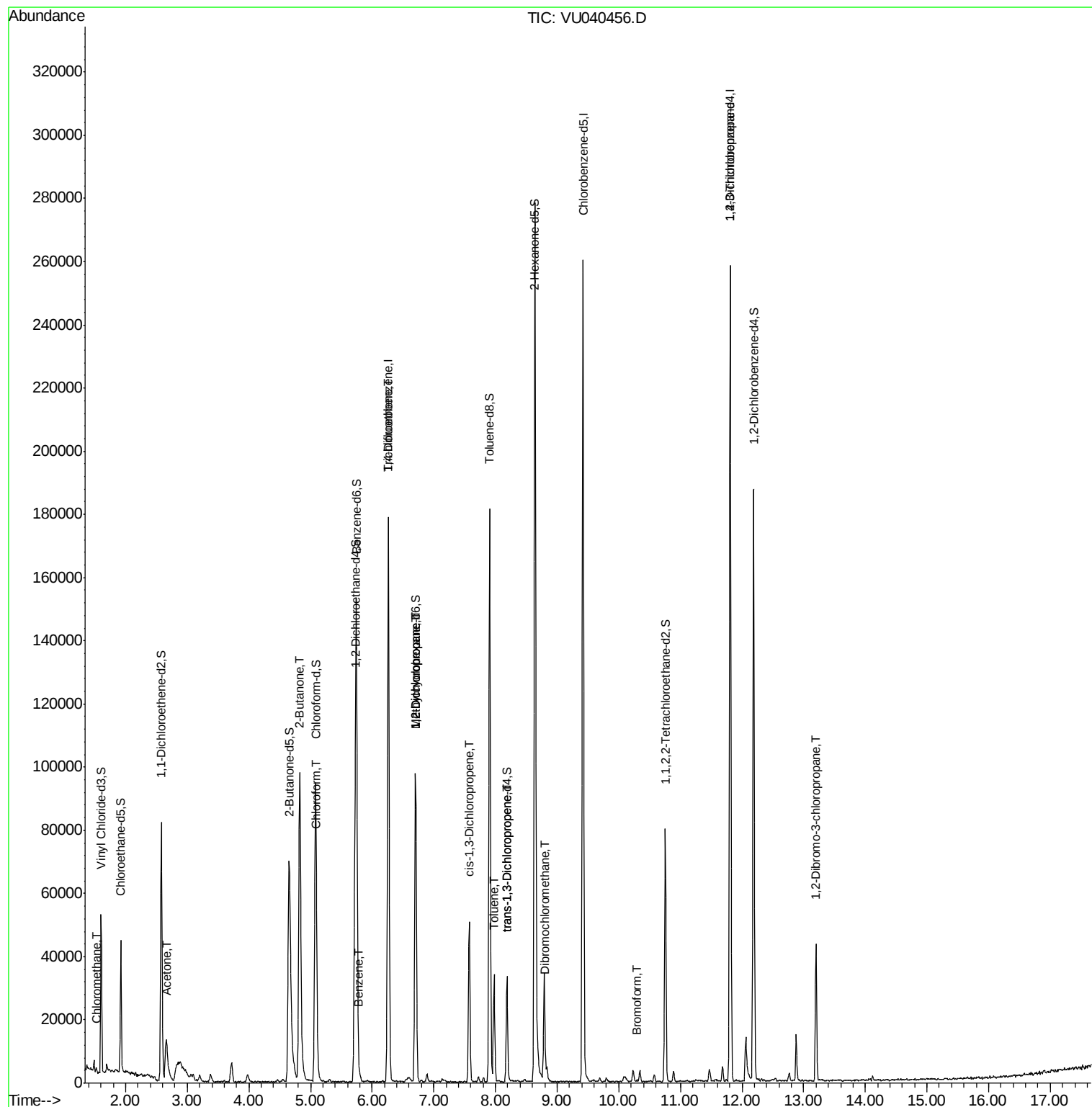
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

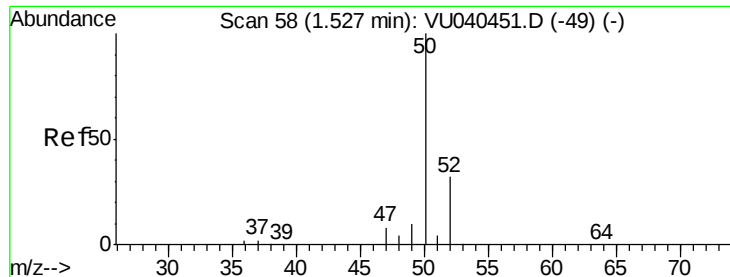
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.096 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040456.D

Acq: 02 Oct 2020 13:24

Instrument :

MSVOA_U

ClientSampled :

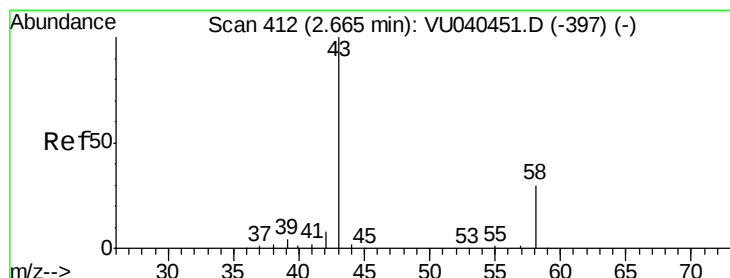
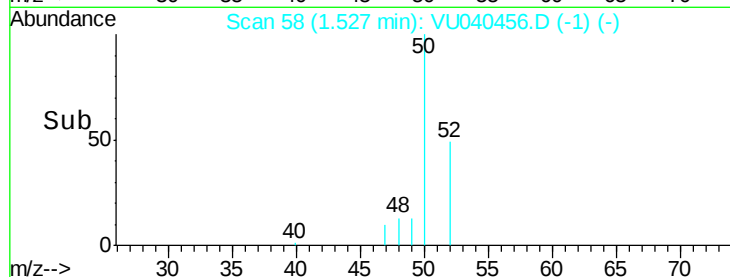
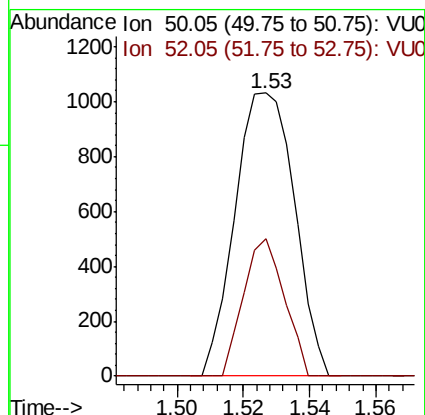
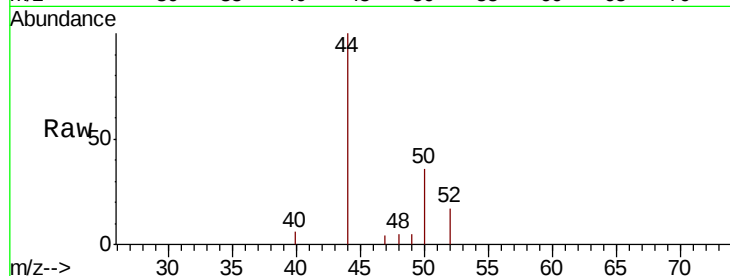
C0AS1

Tot Ion: 50 Resp: 1287

Ion Ratio Lower Upper

50 100

52 48.5 23.0 42.6#



#13

Acetone

Concen: 9.865 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU040456.D

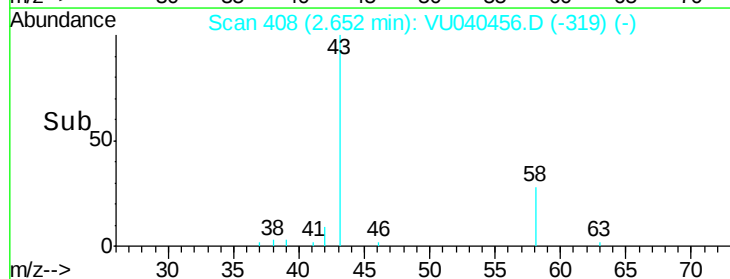
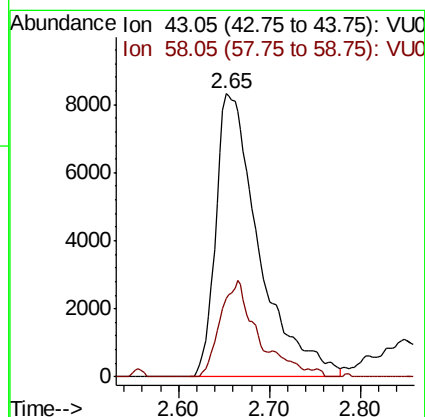
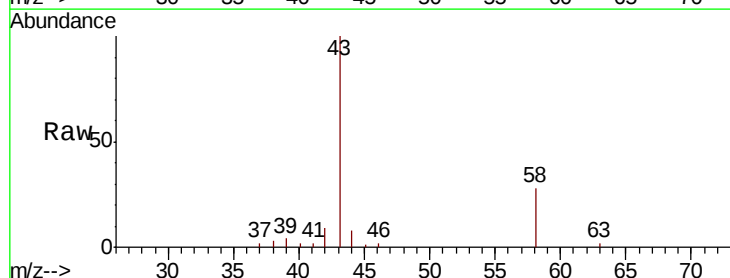
Acq: 02 Oct 2020 13:24

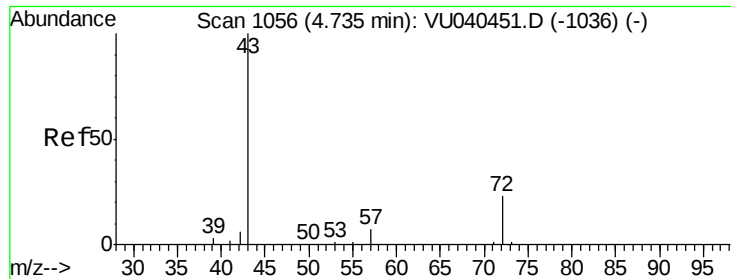
Tgt Ion: 43 Resp: 27448

Ion Ratio Lower Upper

43 100

58 24.9 0.0 61.8





#21

2-Butanone

Concen: 32.813 ug/L

RT: 4.83 min Scan# 1084

Delta R.T. 0.09 min

Lab File: VU040456.D

Acq: 02 Oct 2020 13:24

Instrument :

MSVOA_U

ClientSampled :

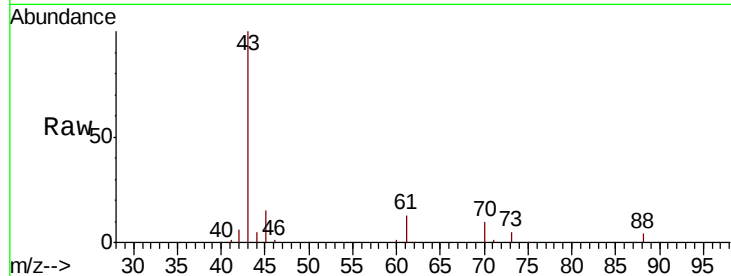
C0AS1

Tot Ion: 43 Resp: 146538

Ion Ratio Lower Upper

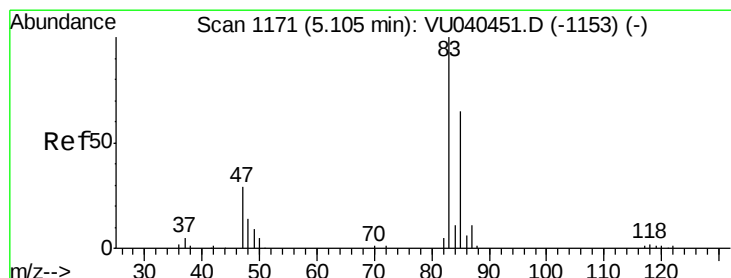
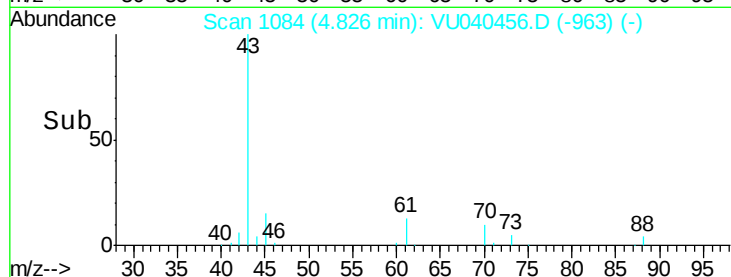
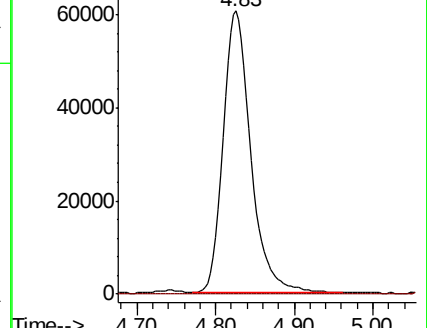
43 100

72 0.3 12.0 36.1#



Abundance Ion 43.05 (42.75 to 43.75): VU040456.D (-963) (-)

Ion 72.10 (71.80 to 72.80): VU040456.D (-963) (-)



#25

Chloroform

Concen: 0.110 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040456.D

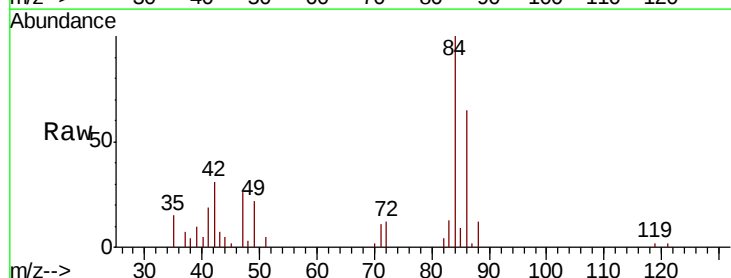
Acq: 02 Oct 2020 13:24

Tgt Ion: 83 Resp: 2460

Ion Ratio Lower Upper

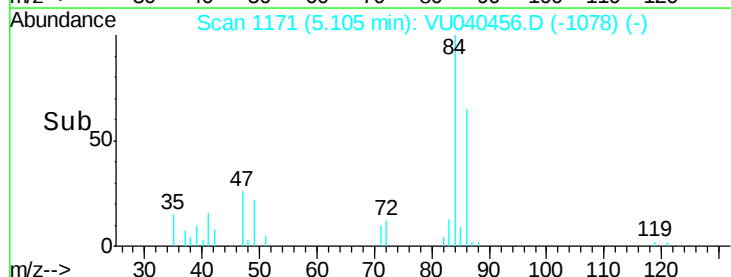
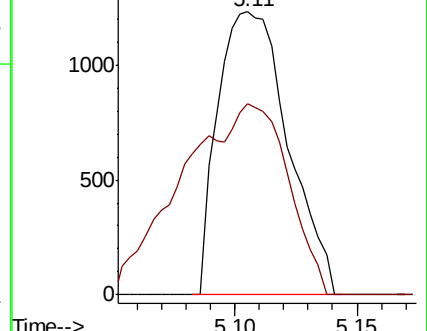
83 100

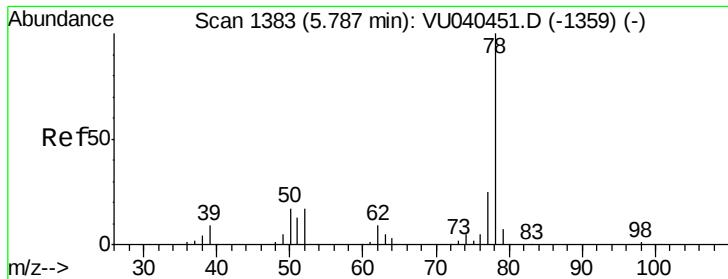
85 67.7 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU040456.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040456.D (-1078) (-)





#33

Benzene

Concen: 0.046 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU040456.D

Acq: 02 Oct 2020 13:24

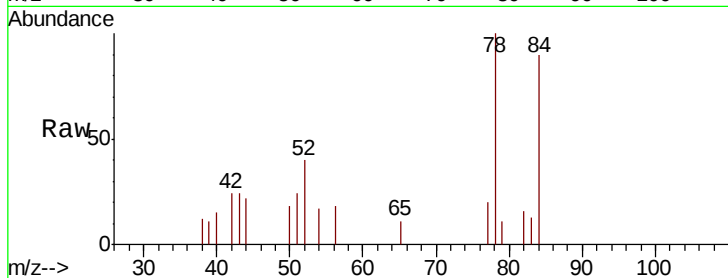
Instrument :

MSVOA_U

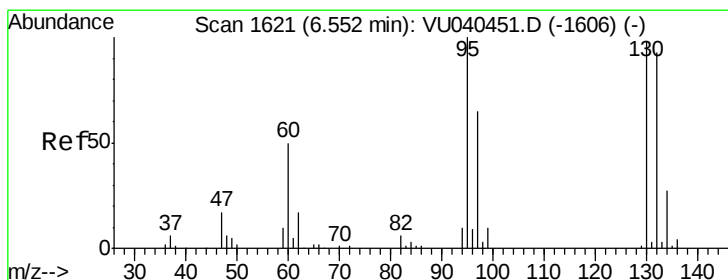
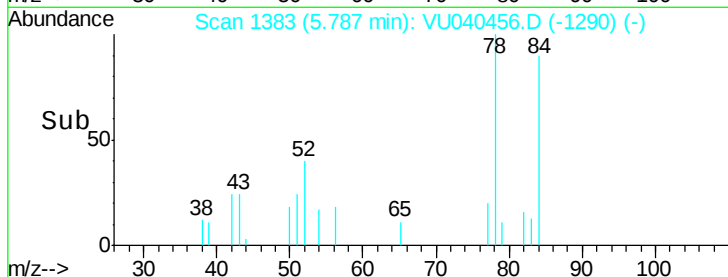
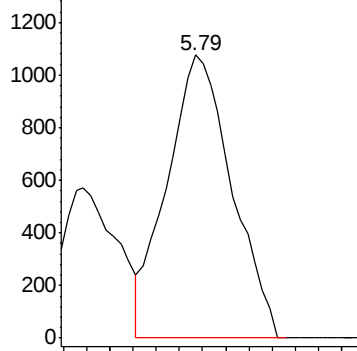
ClientSampleId :

C0AS1

Tgt Ion: 78 Resp: 2083



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.207 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.29 min

Lab File: VU040456.D

Acq: 02 Oct 2020 13:24

Tgt Ion: 95 Resp: 2492

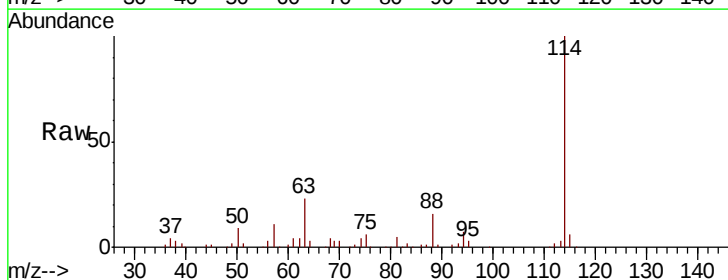
Ion Ratio Lower Upper

95 100

97 0.0 46.3 85.9#

132 0.0 60.5 112.3#

130 0.0 64.3 119.3#

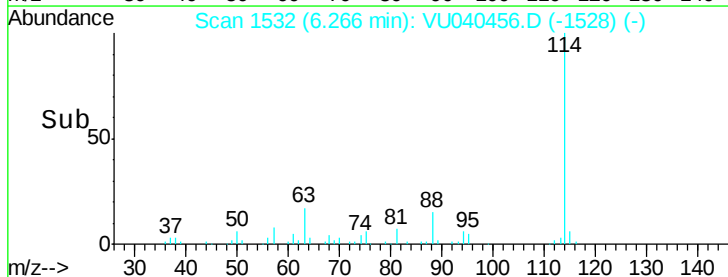
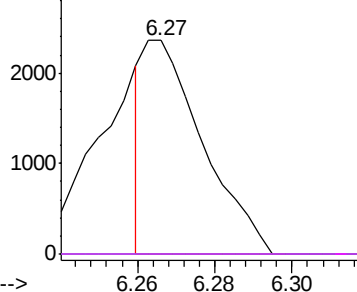


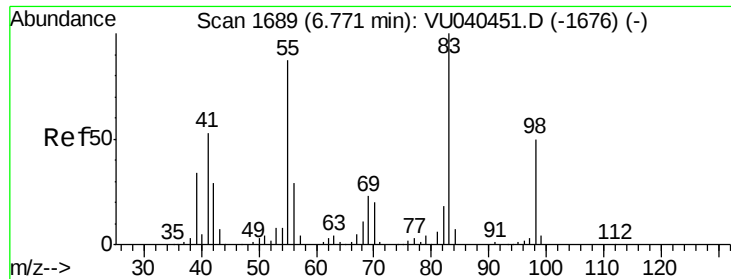
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

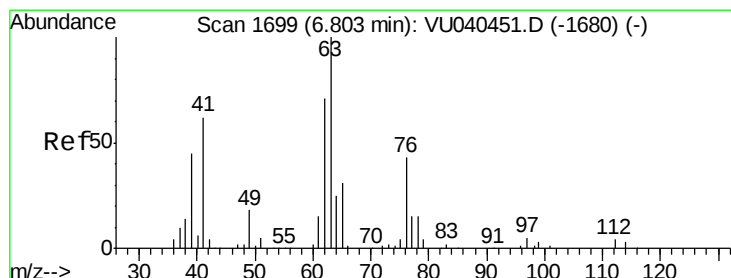
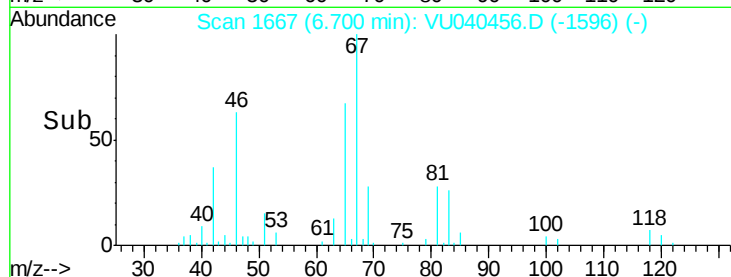
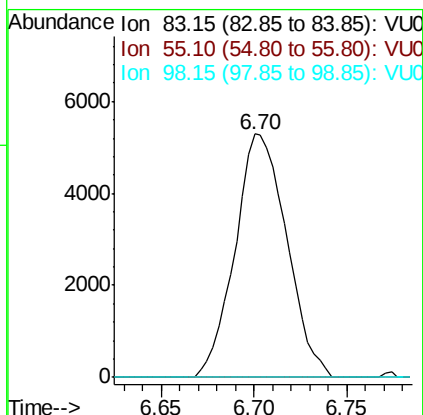
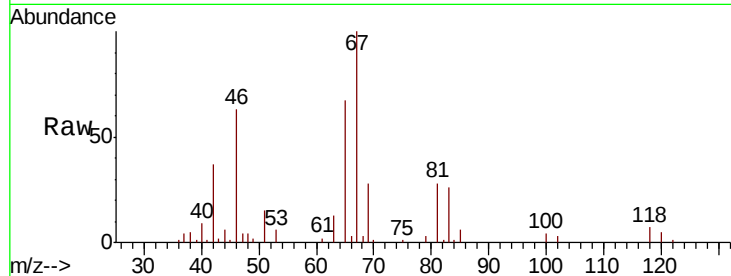




#35
Methvlcvclohexane
Concen: 0.580 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040456.D
Acq: 02 Oct 2020 13:24

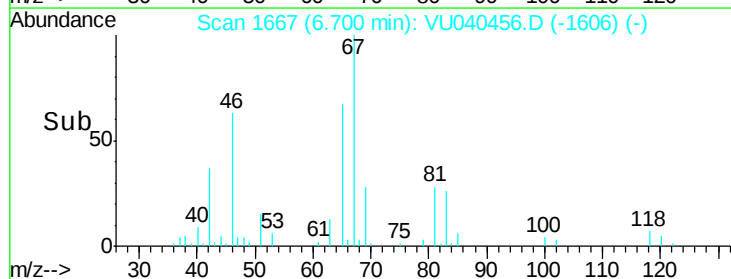
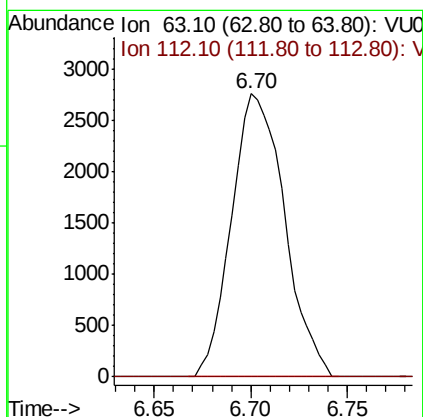
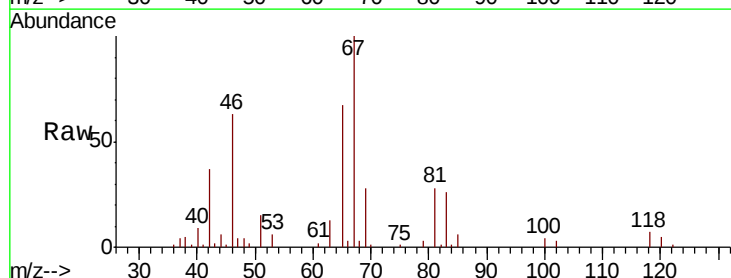
Instrument :
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ClientSampleId :
C0AS1

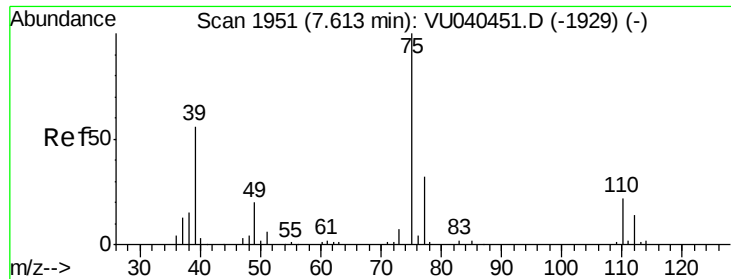
Tot Ion: 83 Resp: 10249
Ion Ratio Lower Upper
83 100
55 0.4 71.4 107.2#
98 0.0 38.5 57.7#



#37
1,2-Dichloropropane
Concen: 0.417 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040456.D
Acq: 02 Oct 2020 13:24

Tgt Ion: 63 Resp: 5276
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

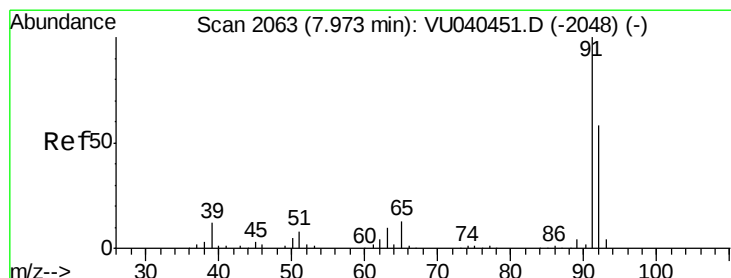
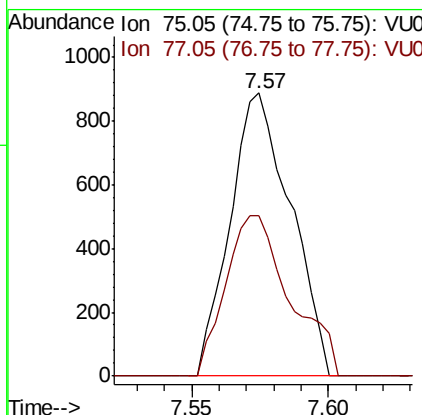
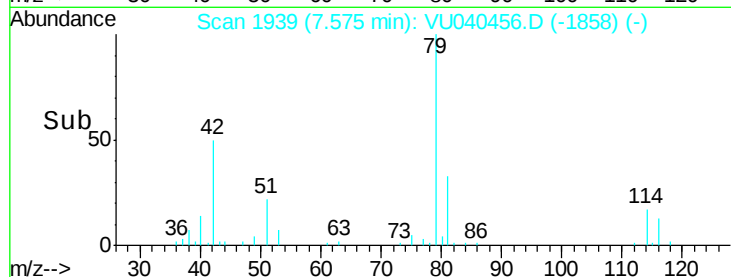
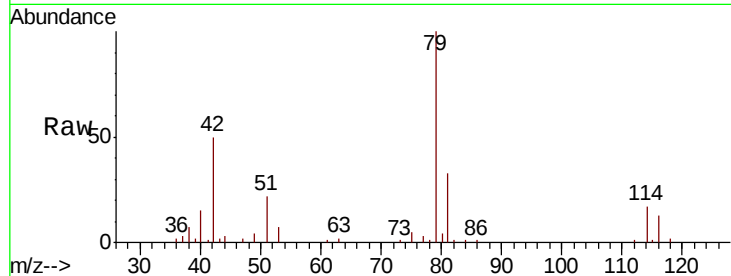




#39
 cis-1,3-Dichloropropene
 Concen: 0.081 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040456.D
 Acq: 02 Oct 2020 13:24

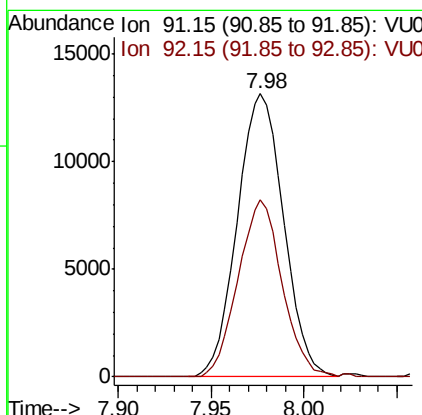
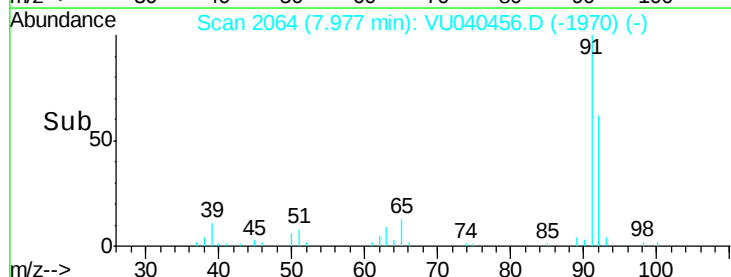
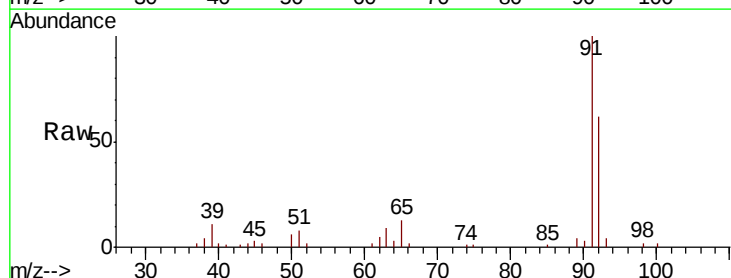
Instrument :
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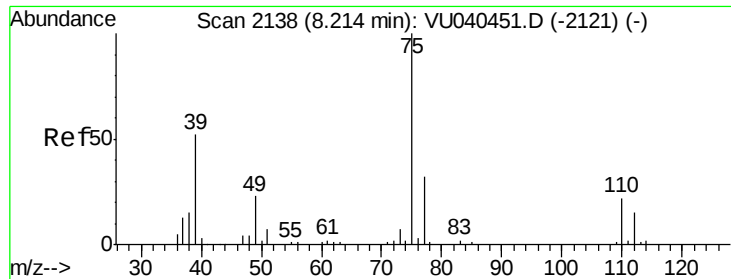
Tot Ion: 75 Resp: 1373
 Ion Ratio Lower Upper
 75 100
 77 56.6 23.5 43.7#



#42
 Toluene
 Concen: 0.489 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040456.D
 Acq: 02 Oct 2020 13:24

Tgt Ion: 91 Resp: 22760
 Ion Ratio Lower Upper
 91 100
 92 62.5 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 0.052 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040456.D

Acq: 02 Oct 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

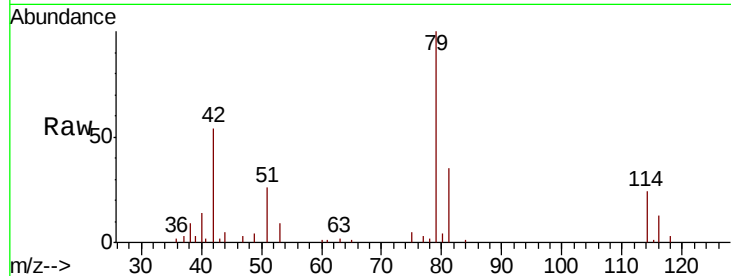
C0AS1

Tot Ion: 75 Resp: 809

Ion Ratio Lower Upper

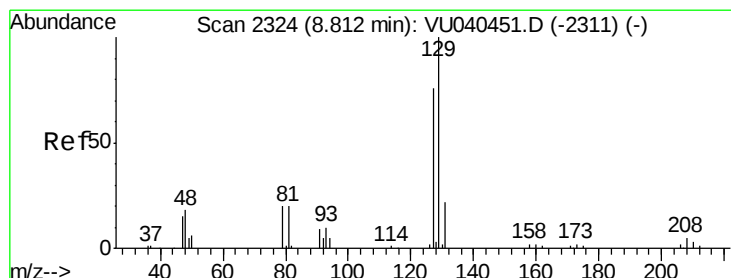
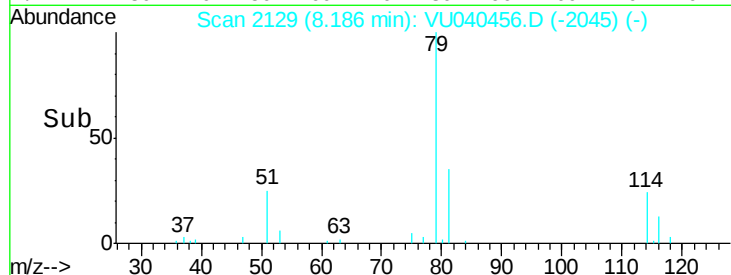
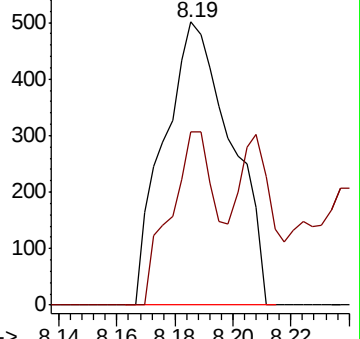
75 100

77 61.1 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040456.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU040456.D (-2045) (-)



#49

Dibromochloromethane

Concen: 0.050 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU040456.D

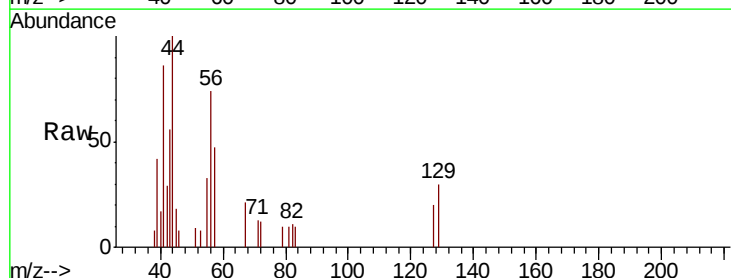
Acq: 02 Oct 2020 13:24

Tgt Ion: 129 Resp: 511

Ion Ratio Lower Upper

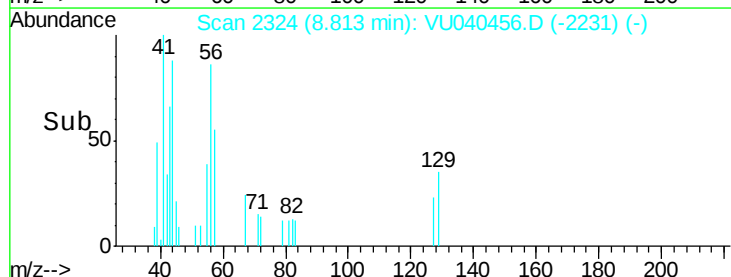
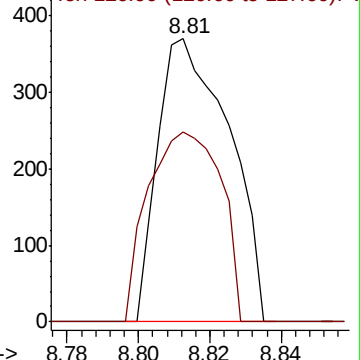
129 100

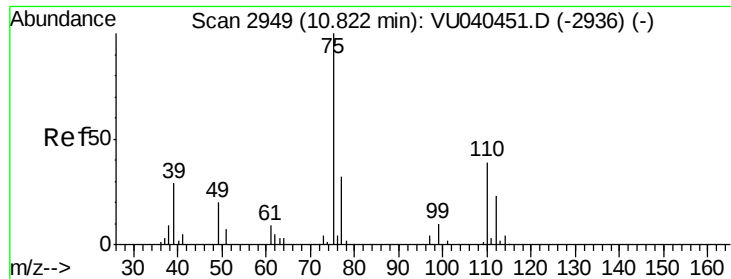
127 67.0 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040456.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU040456.D (-2231) (-)

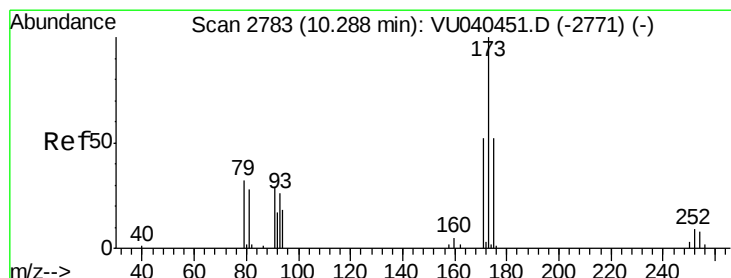
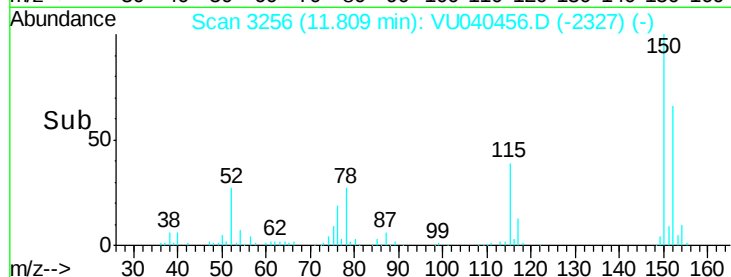
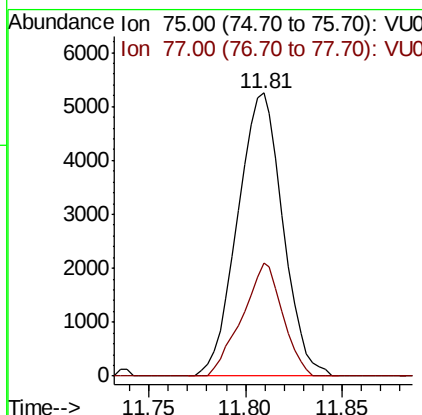
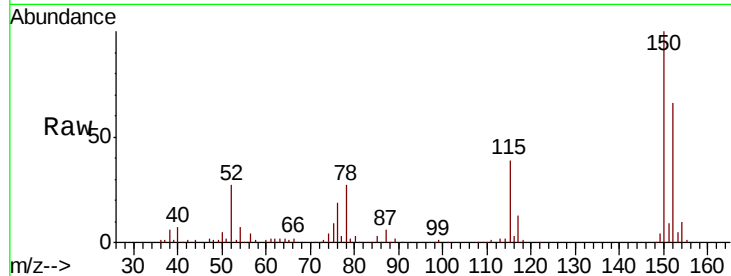




#59
 1,2,3-Trichloropropane
 Concen: 0.934 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU040456.D
 Acq: 02 Oct 2020 13:24

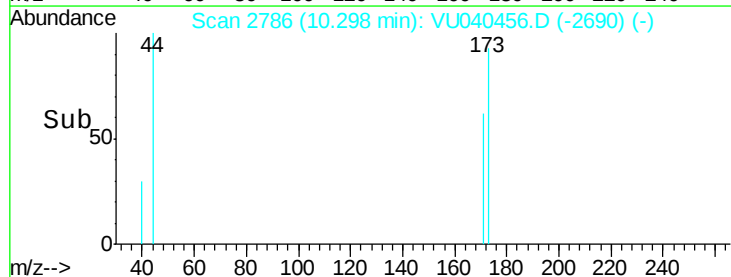
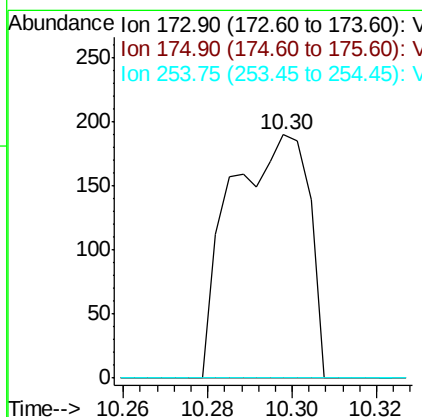
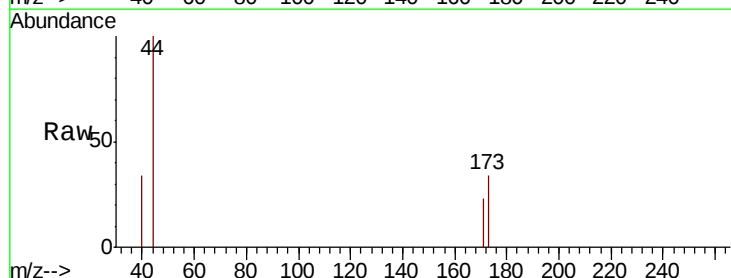
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AS1

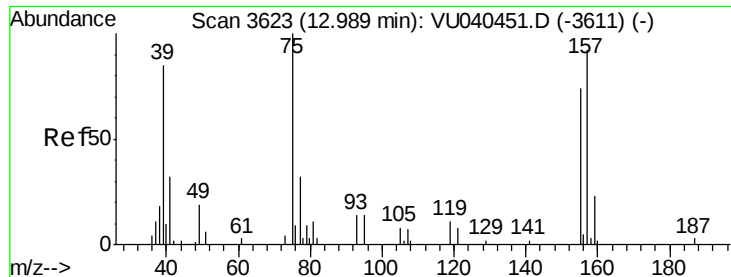
Tot Ion: 75 Resp: 8557
 Ion Ratio Lower Upper
 75 100
 77 35.9 25.7 38.5



#61
 Bromoform
 Concen: 0.046 ug/L
 RT: 10.30 min Scan# 2786
 Delta R.T. 0.01 min
 Lab File: VU040456.D
 Acq: 02 Oct 2020 13:24

Tgt Ion: 173 Resp: 243
 Ion Ratio Lower Upper
 173 100
 175 0.0 39.6 59.4#
 254 0.0 7.0 10.4#





#66

1,2-Dibromo-3-chloropropane

Concen: 0.115 ug/L

RT: 13.20 min Scan# 3689

Delta R.T. 0.21 min

Lab File: VU040456.D

Acq: 02 Oct 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

C0AS1

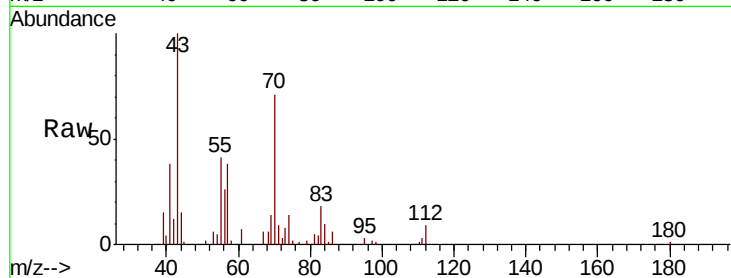
Tot Ion: 75 Resp: 213

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.2#

157 0.0 65.0 97.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

