

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040470.D
 Acq On : 02 Oct 2020 19:25
 Operator : SY/MD
 Sample : L4185-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 00:20:04 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	120084	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118764	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55470	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32907	5.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.80%
7) Chloroethane-d5	1.92	69	27668	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.58	63	51591	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	4.66	46	136835	46.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.68%
24) Chloroform-d	5.08	84	68765	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.72	65	42800	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.75	84	134545	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.80%
36) 1,2-Dichloropropane-d6	6.70	67	46267	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.91	98	112411	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
43) trans-1,3-Dichloropropene-	8.19	79	17277	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	92906	44.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.62%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	38903	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	46384	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	5462	0.462 ug/L	98
13) Acetone	2.67	43	26680	10.842 ug/L	94
15) Methyl Acetate	2.87	43	633	0.107 ug/L #	56
21) 2-Butanone	4.83	43	143575	36.349 ug/L #	51
25) Chloroform	5.11	83	2139	0.108 ug/L	91
33) Benzene	5.79	78	2418	0.061 ug/L	100
35) Methylcyclohexane	6.70	83	10541	0.680 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	4913	0.443 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1193	0.080 ug/L #	63
42) Toluene	7.98	91	20269	0.496 ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	768	0.056 ug/L #	48
49) Dibromochloromethane	8.82	129	506	0.056 ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	7604	0.946 ug/L	99
61) Bromoform	10.29	173	290	0.063 ug/L #	53
66) 1,2-Dibromo-3-chloropropan	13.19	75	198	0.123 ug/L #	10

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Quant Time: Oct 03 00:20:04 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

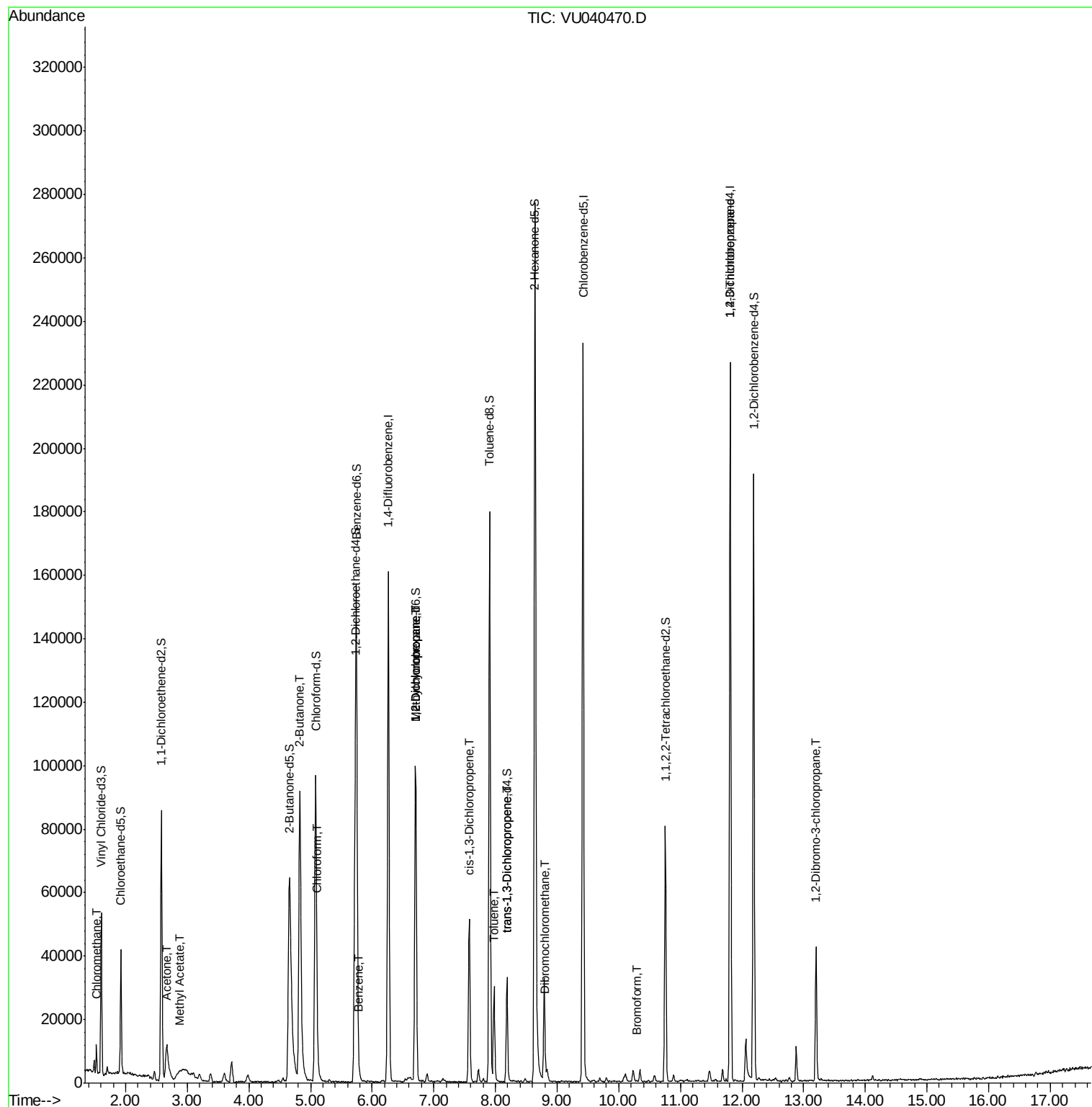
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

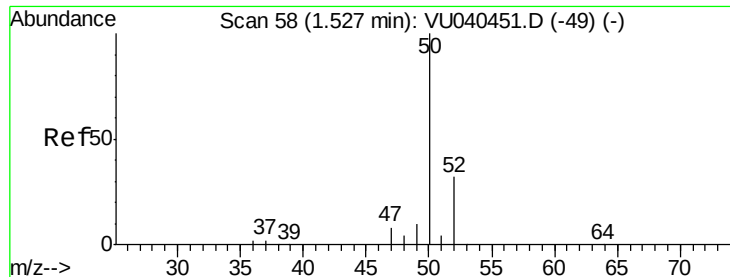
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.462 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040470.D

Acq: 02 Oct 2020 19:25

Instrument :

MSVOA_U

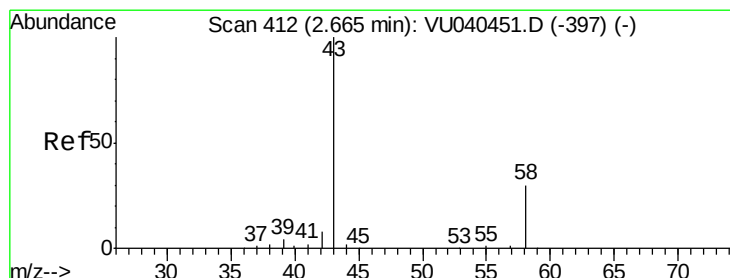
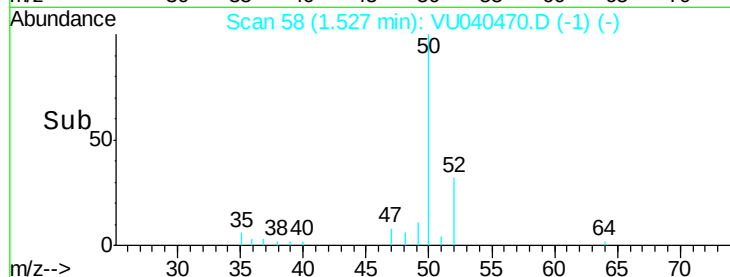
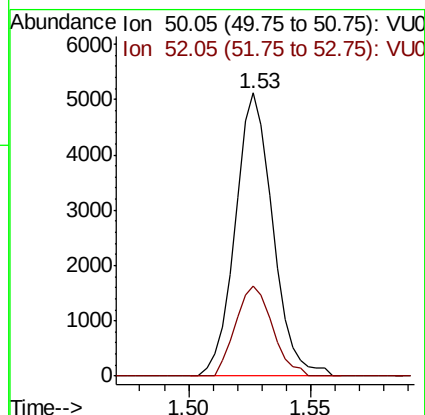
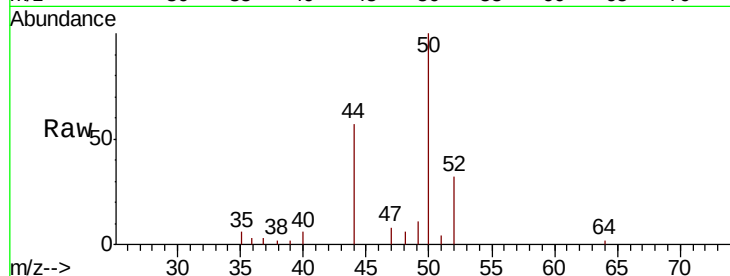
ClientSampled :

Tot Ion: 50 Resp: 5462

Ion Ratio Lower Upper

50 100

52 31.8 23.0 42.6



#13

Acetone

Concen: 10.842 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040470.D

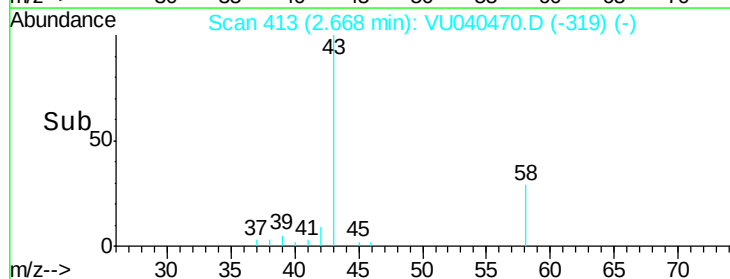
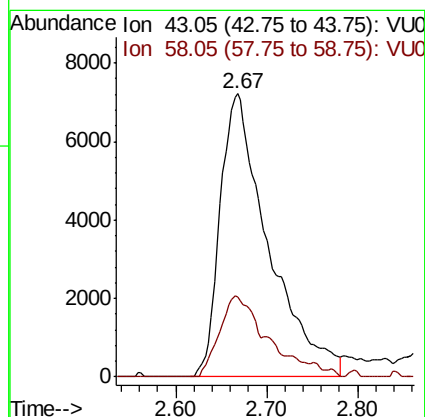
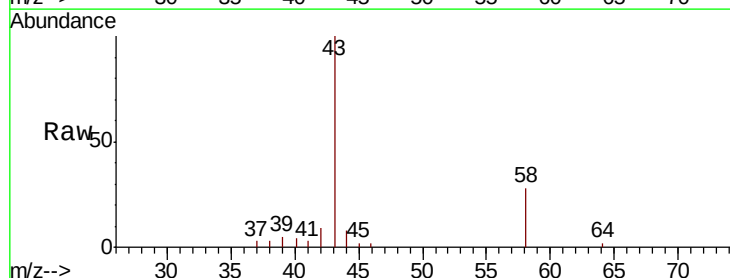
Acq: 02 Oct 2020 19:25

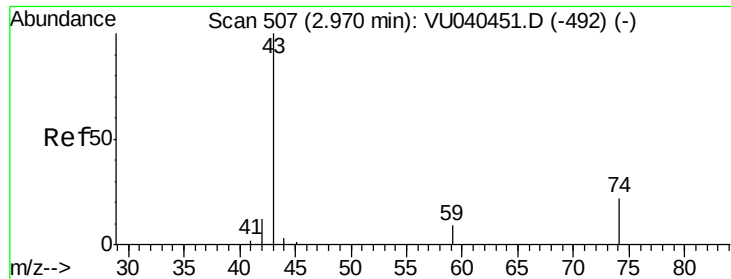
Tgt Ion: 43 Resp: 26680

Ion Ratio Lower Upper

43 100

58 27.5 0.0 61.8

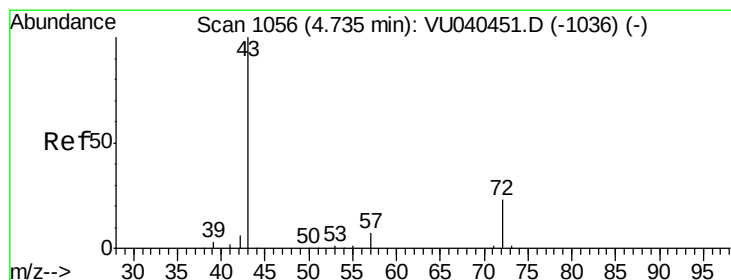
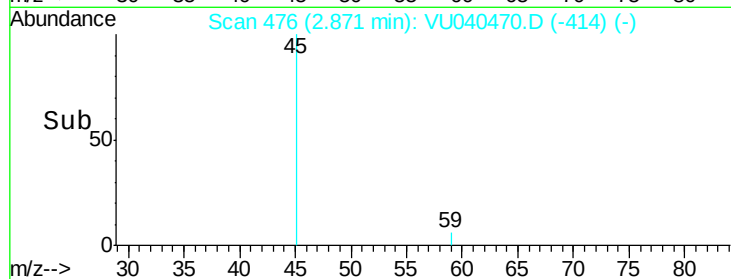
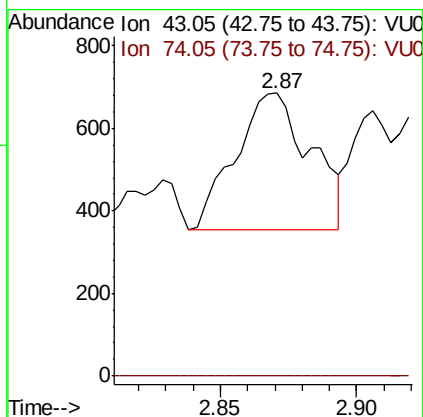
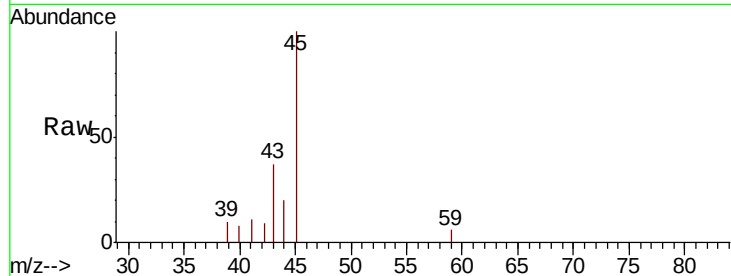




#15
Methvl Acetate
Concen: 0.107 ug/L
RT: 2.87 min Scan# 476
Delta R.T. -0.10 min
Lab File: VU040470.D
Acq: 02 Oct 2020 19:25

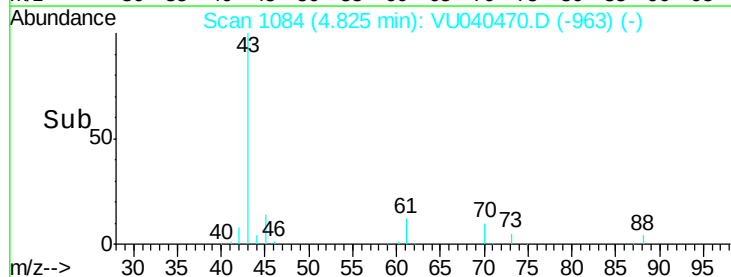
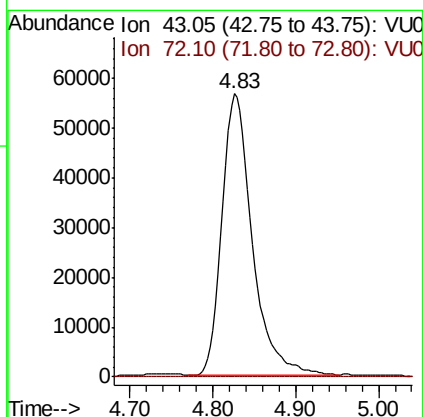
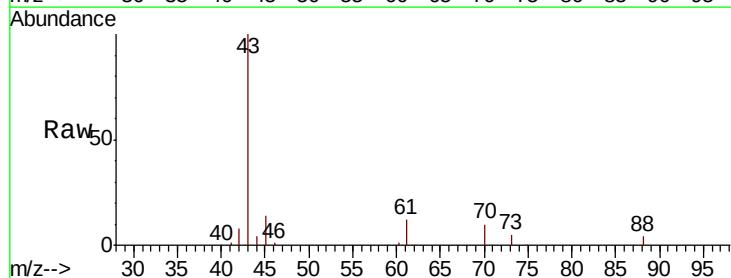
Instrument :
MSVOA_U
ClientSampleId :

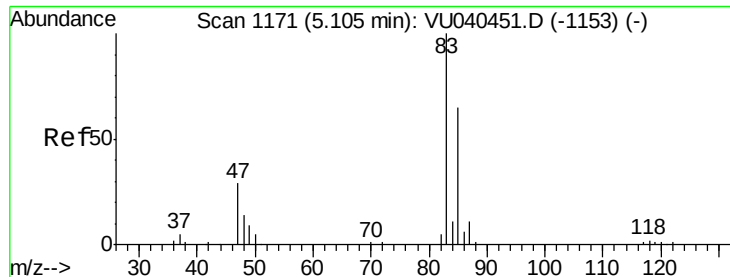
Tot Ion: 43 Resp: 633
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#21
2-Butanone
Concen: 36.349 ug/L
RT: 4.83 min Scan# 1084
Delta R.T. 0.09 min
Lab File: VU040470.D
Acq: 02 Oct 2020 19:25

Tgt Ion: 43 Resp: 143575
Ion Ratio Lower Upper
43 100
72 0.0 12.0 36.1#

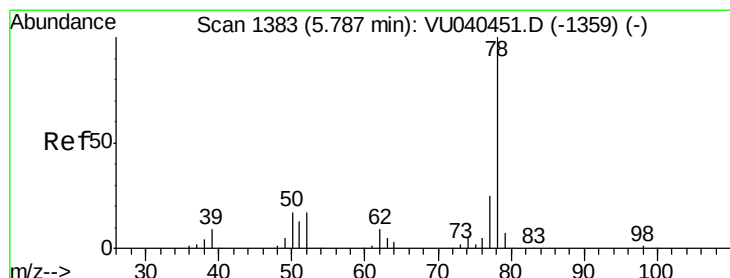
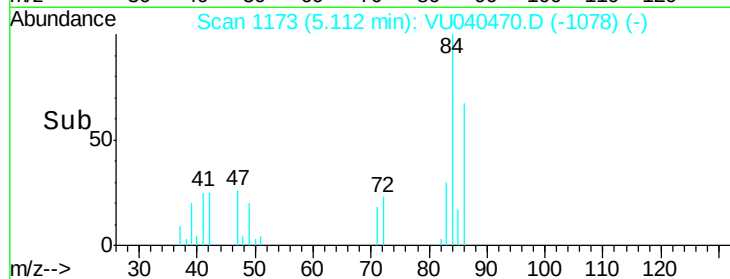
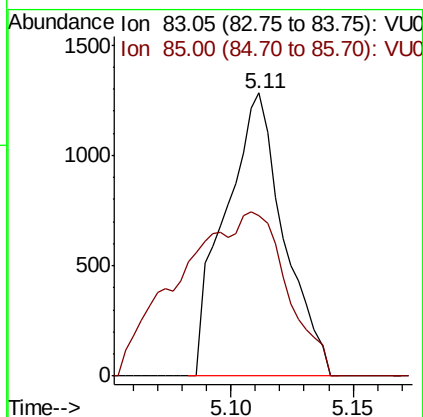
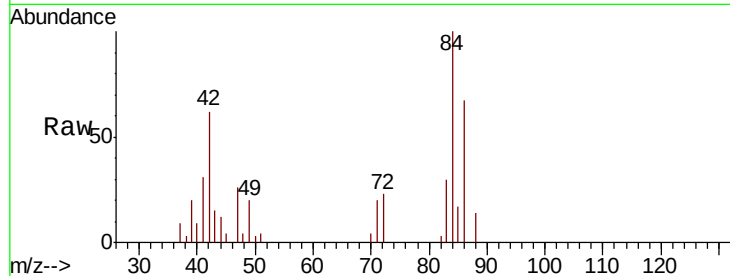




#25
Chloroform
Concen: 0.108 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040470.D
Acq: 02 Oct 2020 19:25

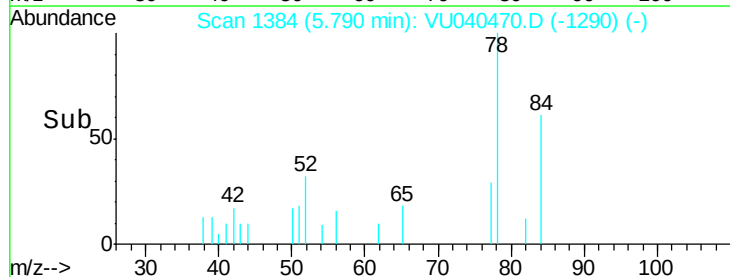
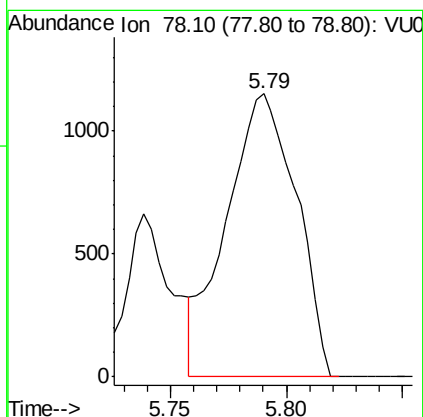
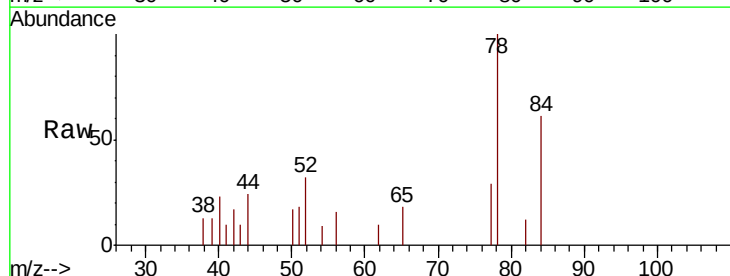
Instrument :
MSVOA_U
ClientSampled :

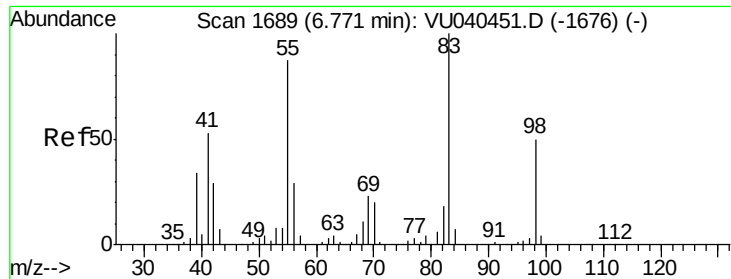
Tot Ion: 83 Resp: 2139
Ion Ratio Lower Upper
83 100
85 56.6 44.6 82.8



#33
Benzene
Concen: 0.061 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040470.D
Acq: 02 Oct 2020 19:25

Tgt Ion: 78 Resp: 2418

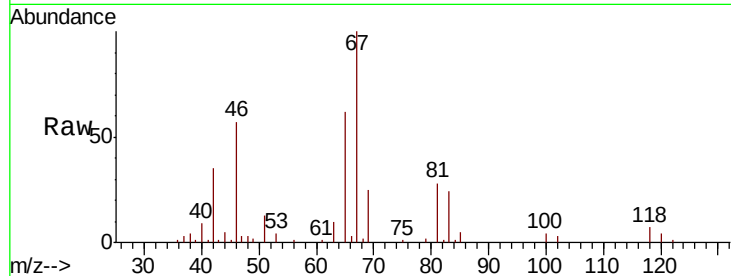




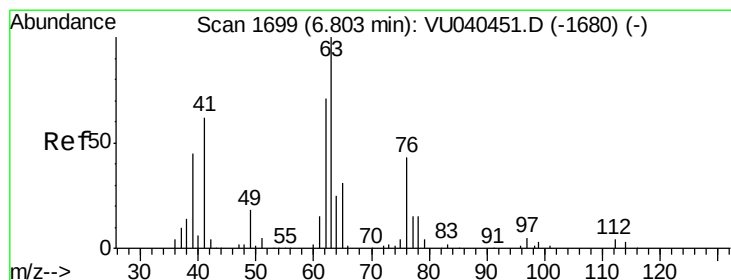
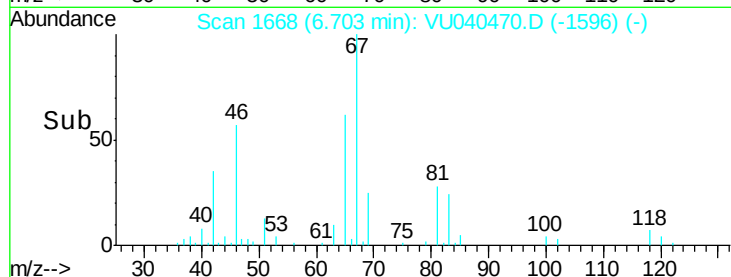
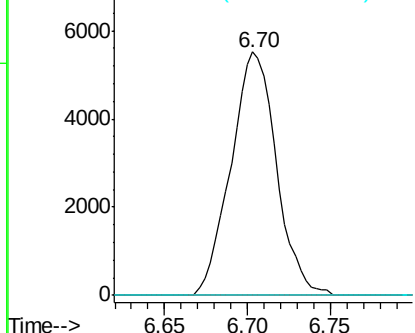
#35
Methylvlcyclohexane
Concen: 0.680 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040470.D
Acq: 02 Oct 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 10541
Ion Ratio Lower Upper
83 100
55 0.4 71.4 107.2#
98 0.6 38.5 57.7#

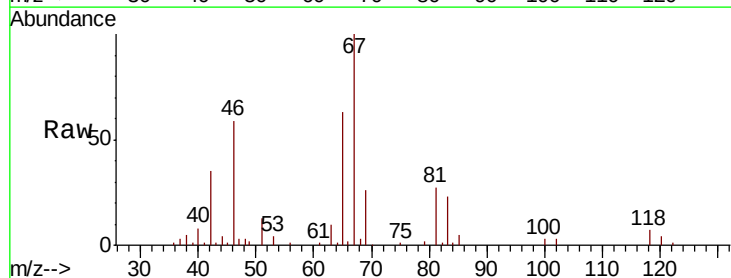


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

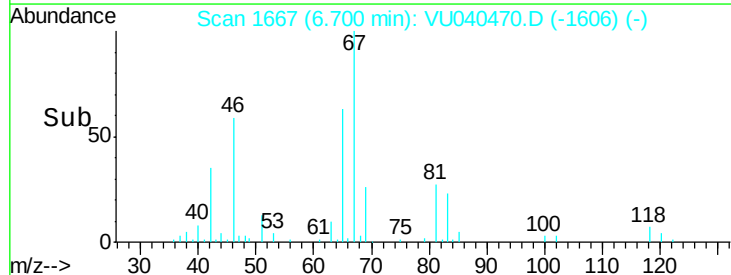
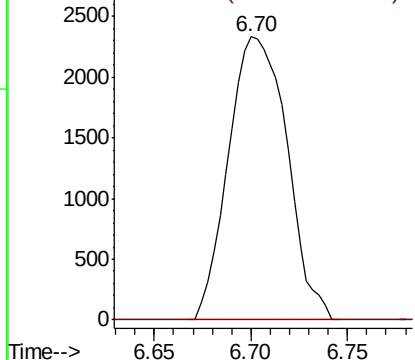


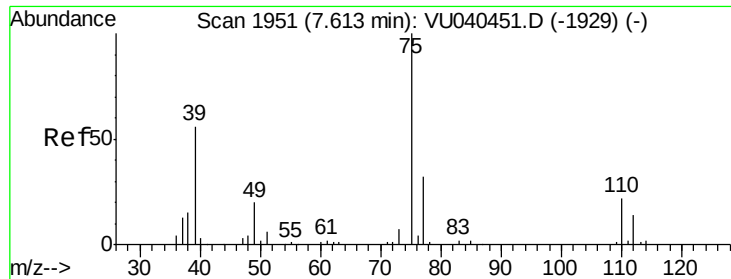
#37
1,2-Dichloropropane
Concen: 0.443 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040470.D
Acq: 02 Oct 2020 19:25

Tgt Ion: 63 Resp: 4913
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



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

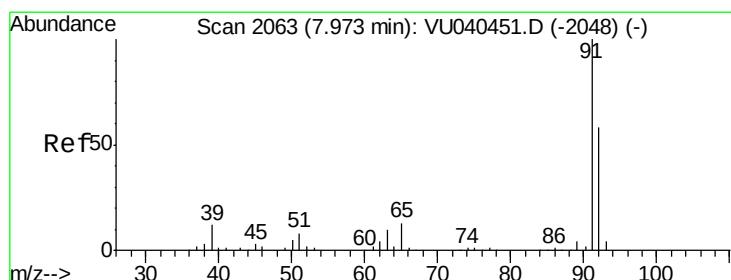
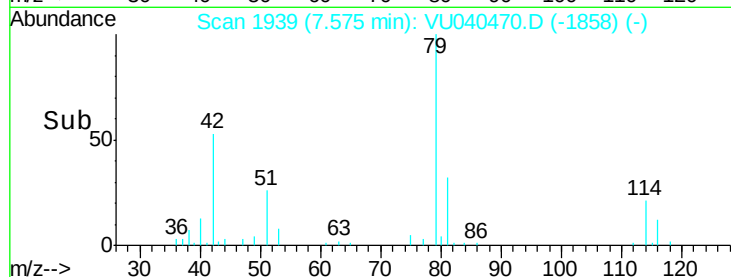
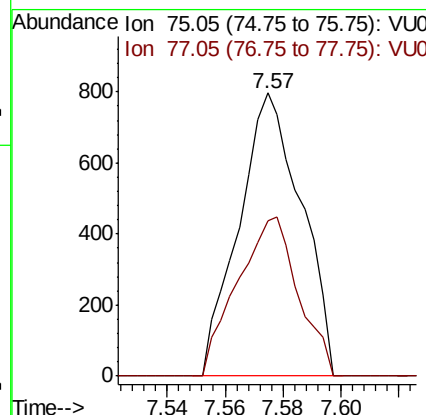
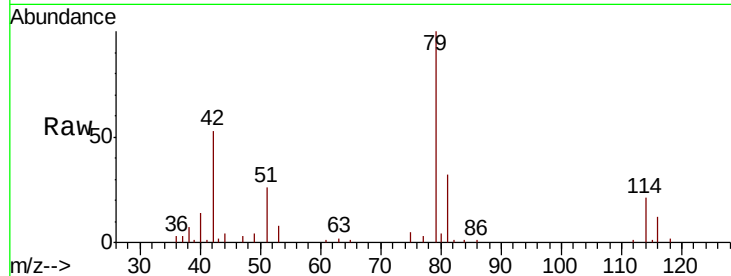




#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040470.D
 Acq: 02 Oct 2020 19:25

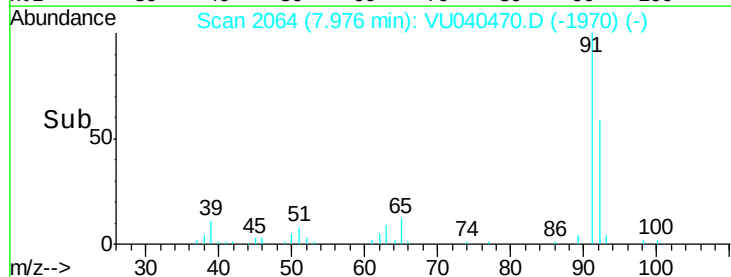
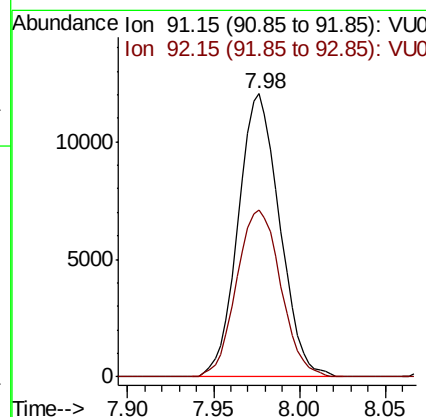
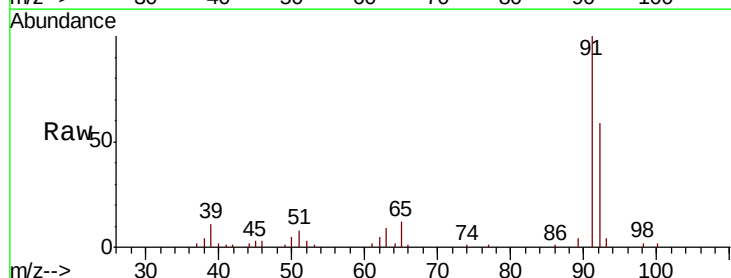
Instrument :
 MSVOA_U
 ClientSampleId :

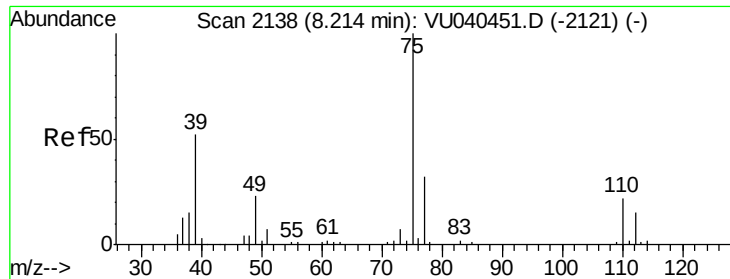
Tot Ion: 75 Resp: 1193
 Ion Ratio Lower Upper
 75 100
 77 54.8 23.5 43.7#



#42
 Toluene
 Concen: 0.496 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040470.D
 Acq: 02 Oct 2020 19:25

Tgt Ion: 91 Resp: 20269
 Ion Ratio Lower Upper
 91 100
 92 58.7 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 0.056 ug/L

RT: 8.19 min Scan# 2131

Delta R.T. -0.02 min

Lab File: VU040470.D

Acq: 02 Oct 2020 19:25

Instrument :

MSVOA_U

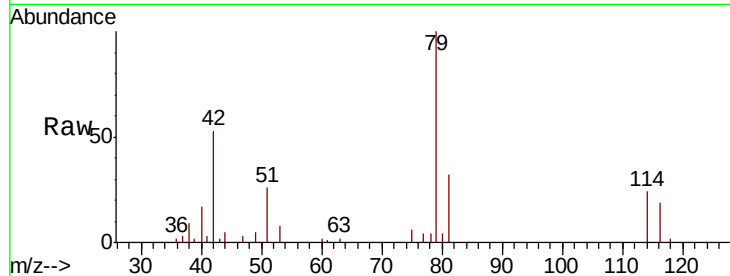
ClientSampleId :

Tot Ion: 75 Resp: 768

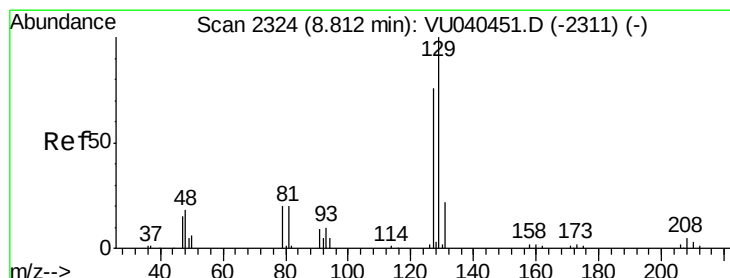
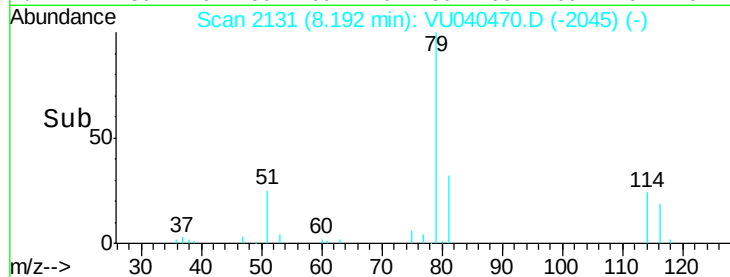
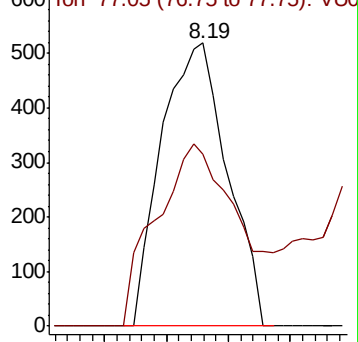
Ion Ratio Lower Upper

75 100

77 60.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040470.D (-2045) (-)



#49

Dibromochloromethane

Concen: 0.056 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040470.D

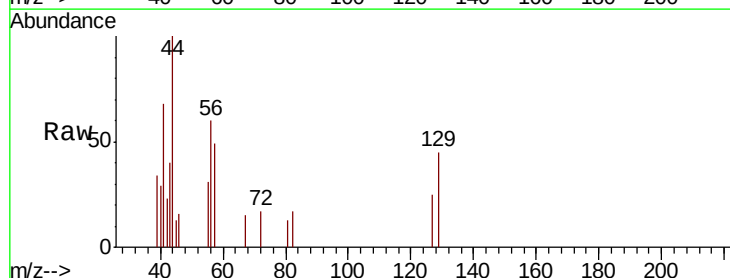
Acq: 02 Oct 2020 19:25

Tgt Ion: 129 Resp: 506

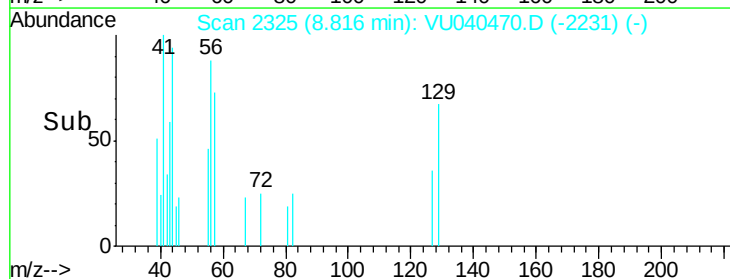
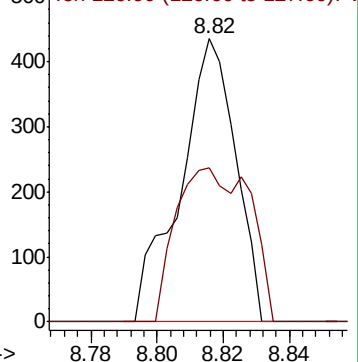
Ion Ratio Lower Upper

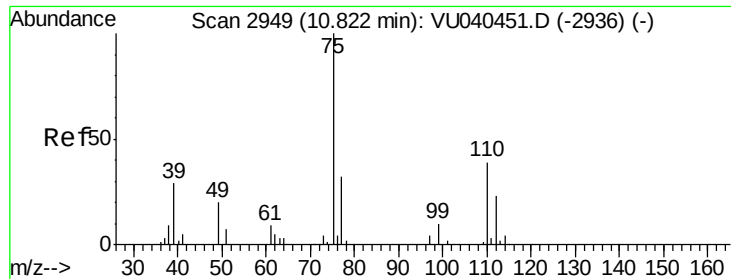
129 100

127 54.3 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): VU040470.D (-2231) (-)





#59

1,2,3-Trichloropropane

Concen: 0.946 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040470.D

Acq: 02 Oct 2020 19:25

Instrument :

MSVOA_U

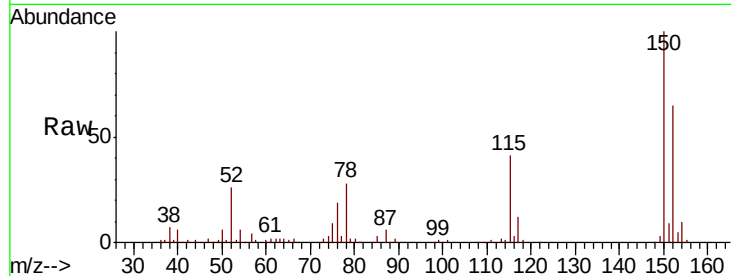
ClientSampleId :

Tot Ion: 75 Resp: 7604

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040470.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU040470.D (-2327) (-)

11.81

5000

4000

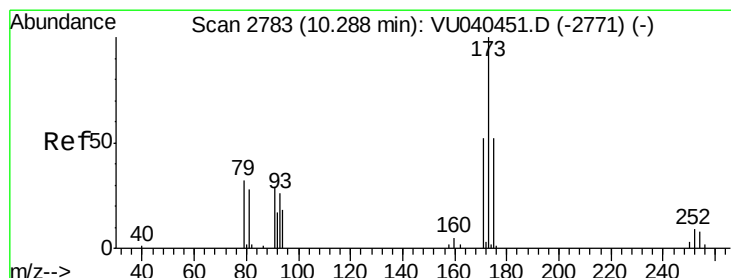
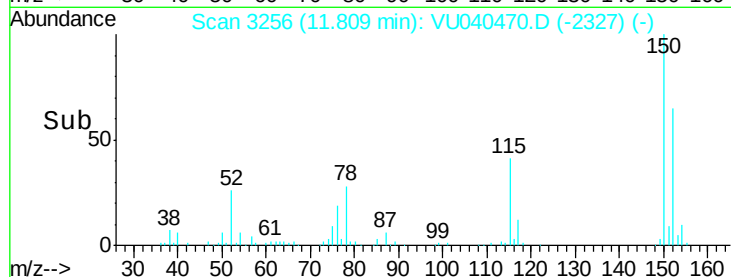
3000

2000

1000

0

Time--> 11.75 11.80 11.85



#61

Bromoform

Concen: 0.063 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040470.D

Acq: 02 Oct 2020 19:25

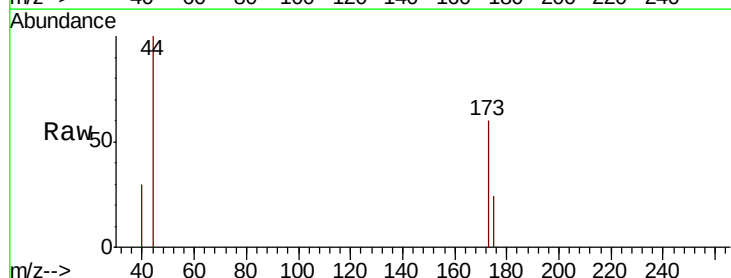
Tgt Ion: 173 Resp: 290

Ion Ratio Lower Upper

173 100

175 14.8 39.6 59.4#

254 0.0 7.0 10.4#



Abundance Ion 172.90 (172.60 to 173.60): VU040470.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VU040470.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VU040470.D (-2690) (-)

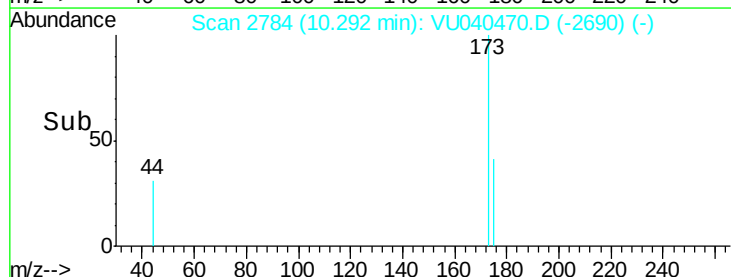
300

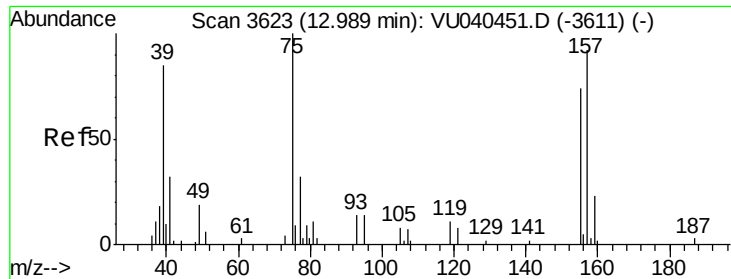
200

100

0

Time--> 10.26 10.28 10.30





#66

1,2-Dibromo-3-chloropropane

Concen: 0.123 ug/L

RT: 13.19 min Scan# 3687

Delta R.T. 0.21 min

Lab File: VU040470.D

Acq: 02 Oct 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 198

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.2#

157 0.0 65.0 97.4#

