

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040466.D
 Acq On : 02 Oct 2020 17:52
 Operator : SY/MD
 Sample : L4209-03MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 00:19:19 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	144215	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	141401	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	66454	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	28998	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.58	63	56139	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.65	46	142311	40.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.26%
24) Chloroform-d	5.08	84	70586	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.72	65	44985	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.75	84	136713	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.70	67	46877	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.91	98	49048	1.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	39.80%#
43) trans-1,3-Dichloropropene-	8.18	79	12251	2.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	57.80%
46) 2-Hexanone-d5	8.64	63	101521	40.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40830	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51479	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1133	0.080 ug/L #	72
12) 1,1-Dichloroethene	2.59	96	34405	3.133 ug/L	95
13) Acetone	2.66	43	11558	3.911 ug/L	97
15) Methyl Acetate	3.10	43	1763	0.248 ug/L #	56
25) Chloroform	5.11	83	3565	0.150 ug/L	91
27) 1,2-Dichloroethane	5.79	62	2417	0.147 ug/L #	74
33) Benzene	5.79	78	233270	4.921 ug/L	100
34) Trichloroethene	6.56	95	58859	4.677 ug/L	96
35) Methylcyclohexane	6.70	83	11181	0.606 ug/L #	14
37) 1,2-Dichloropropane	6.71	63	5385	0.408 ug/L #	88
38) Bromodichloromethane	7.11	83	1120	0.069 ug/L #	89
42) Toluene	7.98	91	85181	1.752 ug/L	98
49) Dibromochloromethane	8.81	129	2129	0.198 ug/L	97
51) Chlorobenzene	9.45	112	160008	5.091 ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	9599	1.003 ug/L	96
61) Bromoform	10.29	173	3001	0.546 ug/L #	95
68) 1,2,4-trichlorobenzene	13.83	180	766	0.061 ug/L #	75

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Instrument :
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Quant Time: Oct 03 00:19:19 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

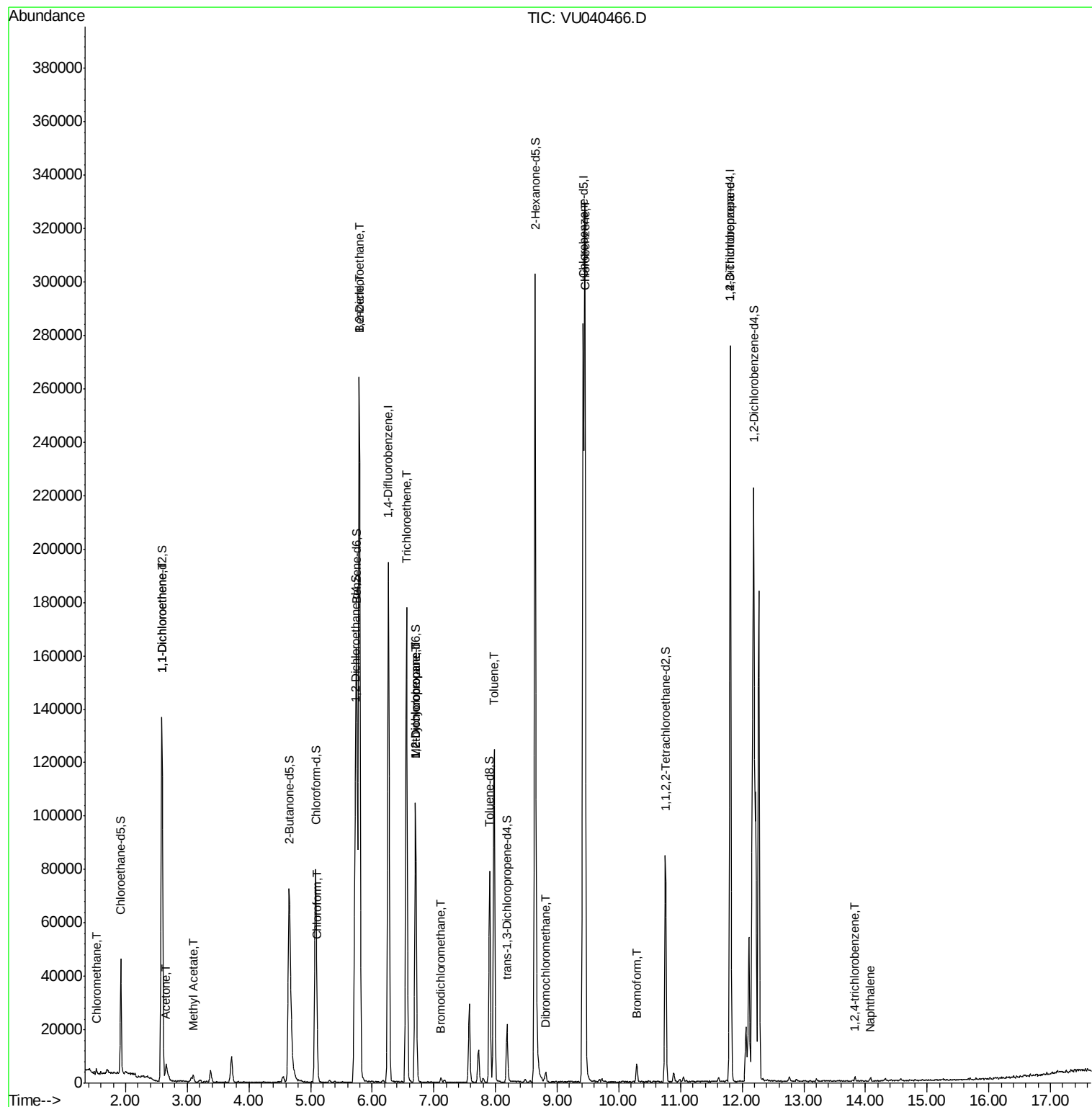
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	14.08	128	1525	0.071	ug/L #	80
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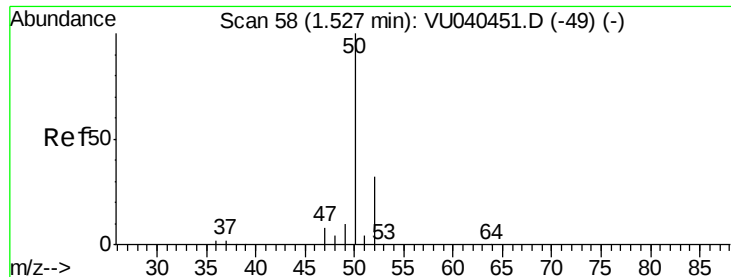
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040466.D

Acq: 02 Oct 2020 17:52

Instrument :

MSVOA_U

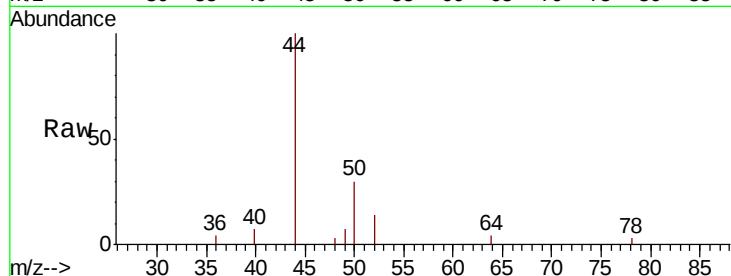
ClientSampled :

Tot Ion: 50 Resp: 1133

Ion Ratio Lower Upper

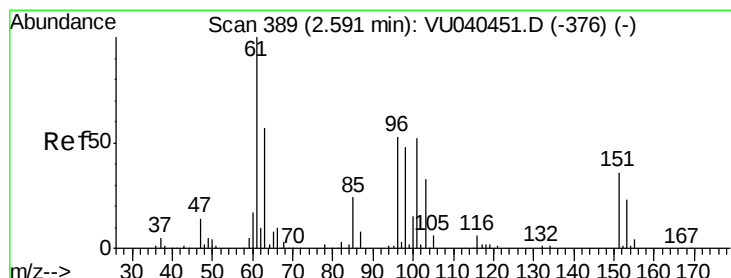
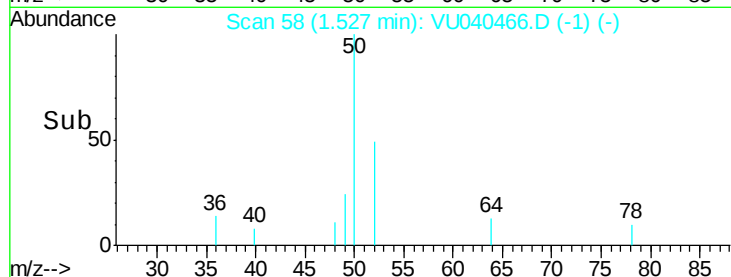
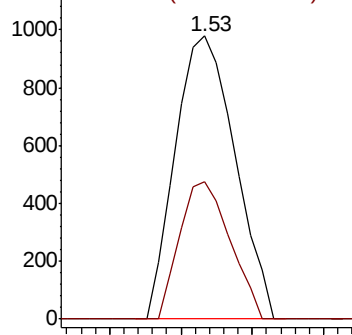
50 100

52 48.7 23.0 42.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 3.133 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040466.D

Acq: 02 Oct 2020 17:52

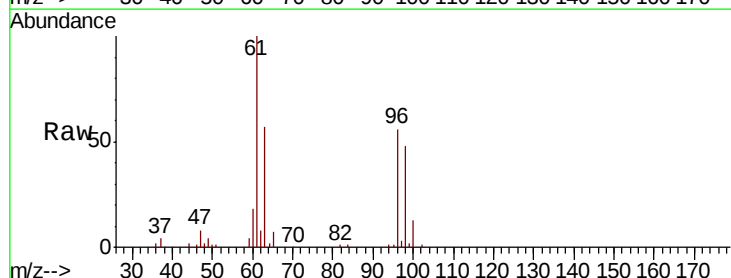
Tgt Ion: 96 Resp: 34405

Ion Ratio Lower Upper

96 100

61 177.5 128.6 238.8

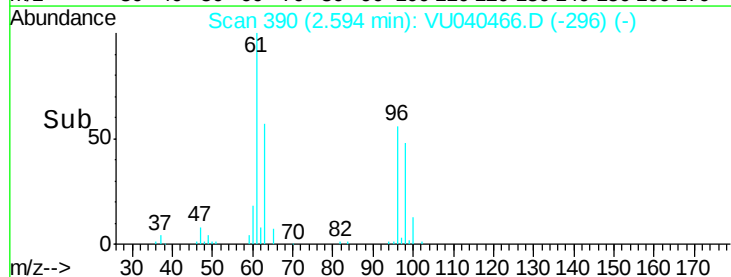
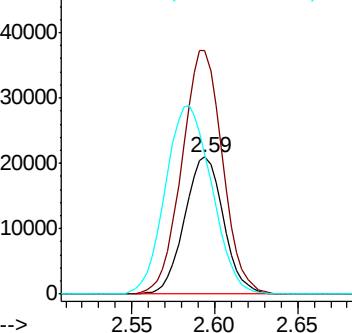
63 102.0 67.8 126.0

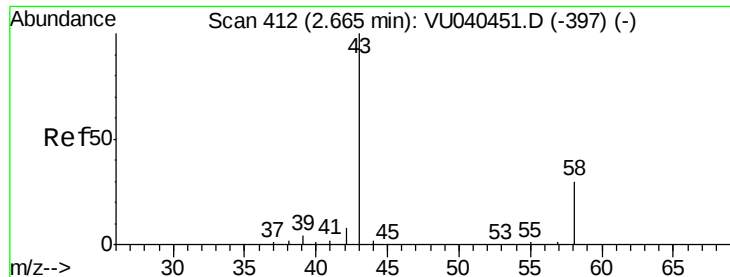


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.911 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040466.D

Acq: 02 Oct 2020 17:52

Instrument :

MSVOA_U

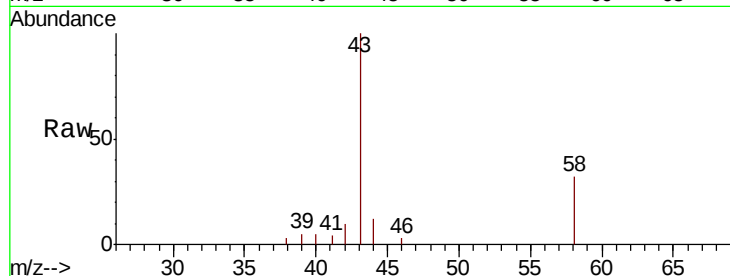
ClientSampleId :

Tot Ion: 43 Resp: 11558

Ion Ratio Lower Upper

43 100

58 32.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040451.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU040451.D (-397) (-)

2.66

4000

3000

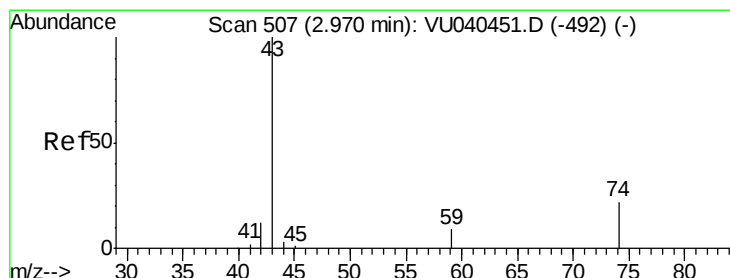
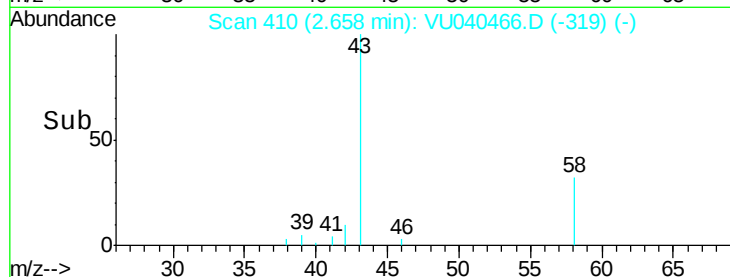
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#15

Methyl Acetate

Concen: 0.248 ug/L

RT: 3.10 min Scan# 546

Delta R.T. 0.13 min

Lab File: VU040466.D

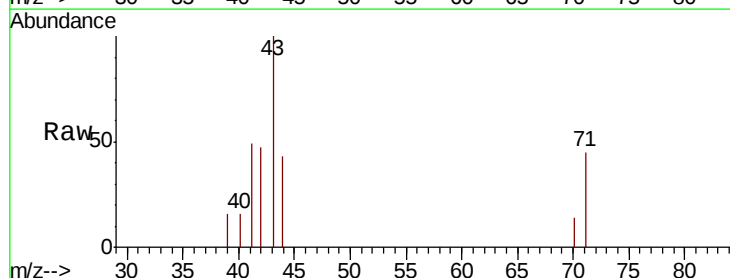
Acq: 02 Oct 2020 17:52

Tgt Ion: 43 Resp: 1763

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU040451.D (-492) (-)

Ion 74.05 (73.75 to 74.75): VU040451.D (-492) (-)

3.10

1000

800

600

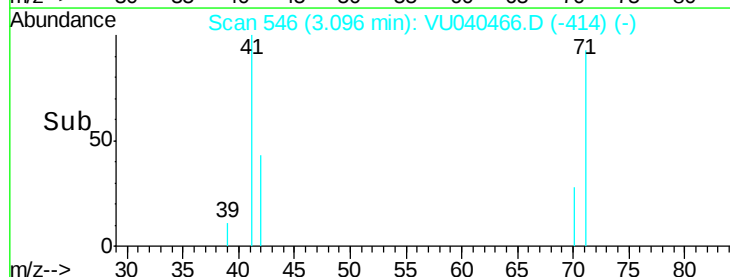
400

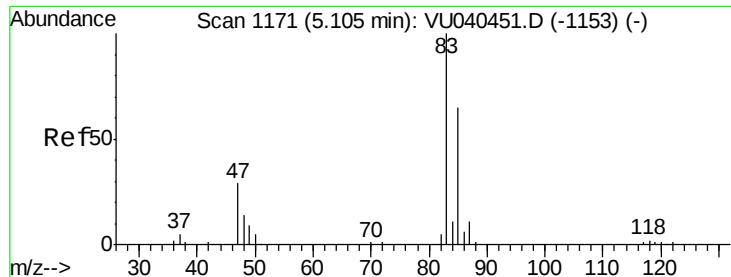
200

0

Time-->

3.05 3.10 3.15

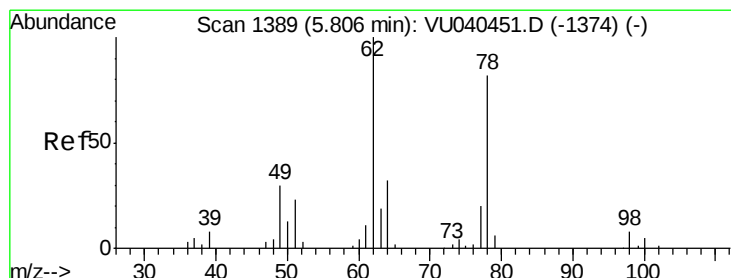
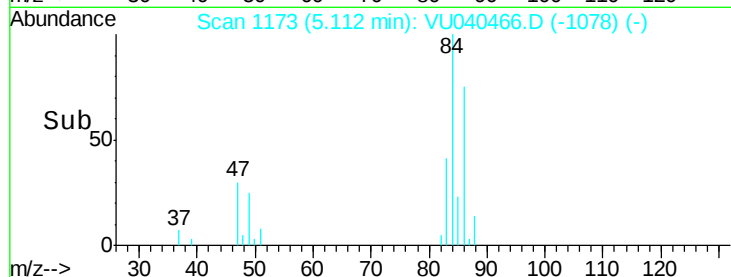
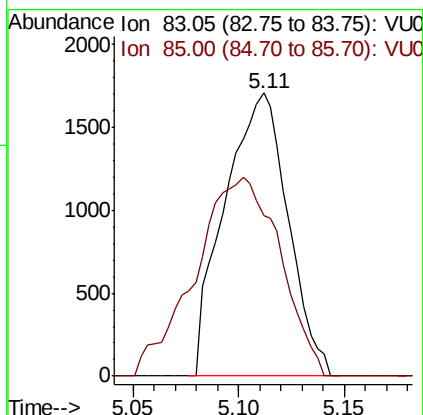
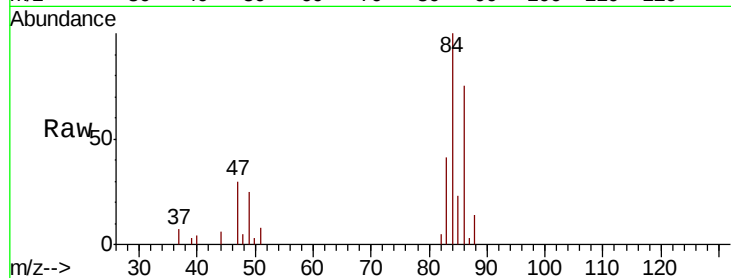




#25
Chloroform
Concen: 0.150 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040466.D
Acq: 02 Oct 2020 17:52

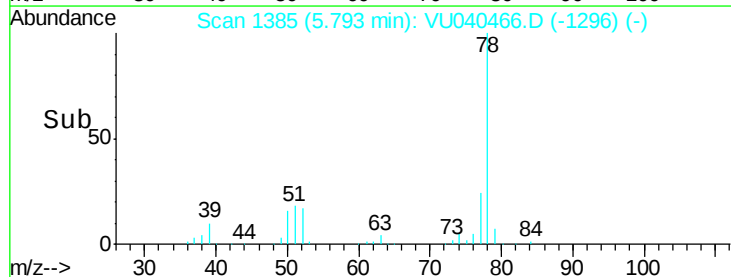
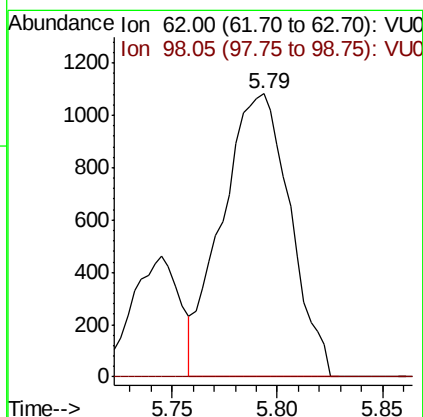
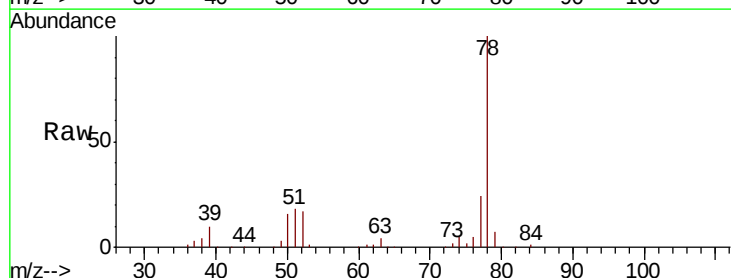
Instrument :
MSVOA_U
ClientSampleId :

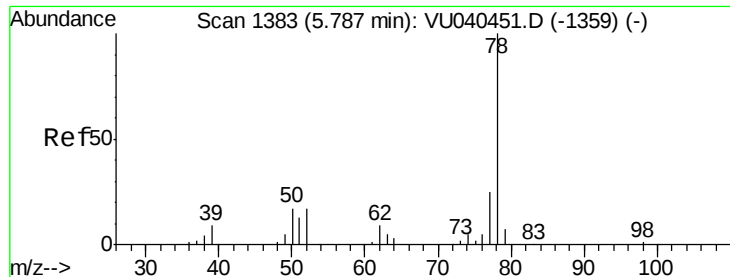
Tot Ion: 83 Resp: 3565
Ion Ratio Lower Upper
83 100
85 56.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.147 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VU040466.D
Acq: 02 Oct 2020 17:52

Tgt Ion: 62 Resp: 2417
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#

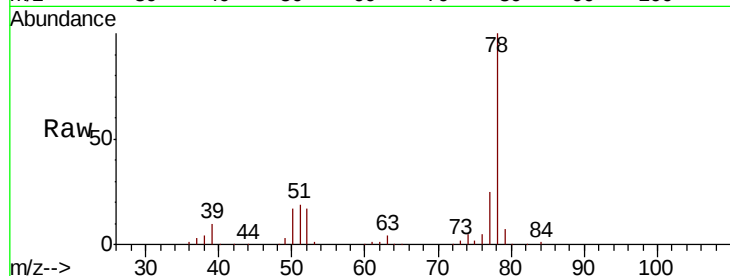




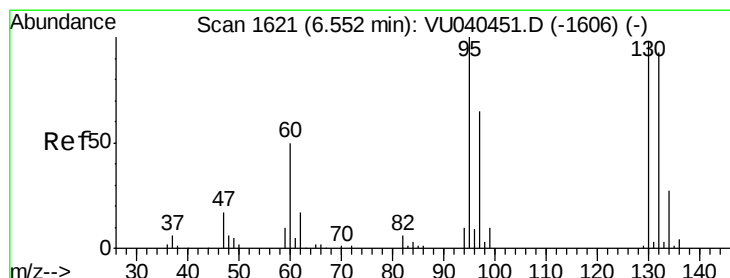
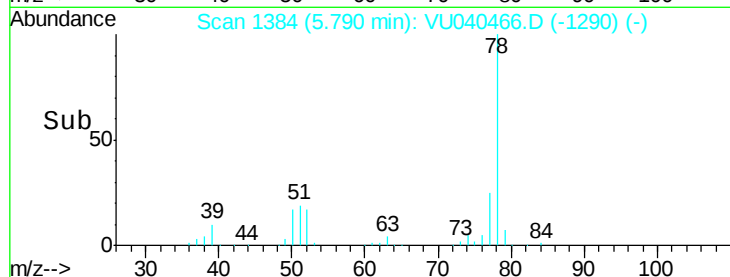
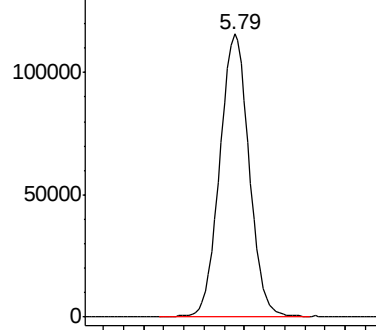
#33
Benzene
Concen: 4.921 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040466.D
Acq: 02 Oct 2020 17:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 233270

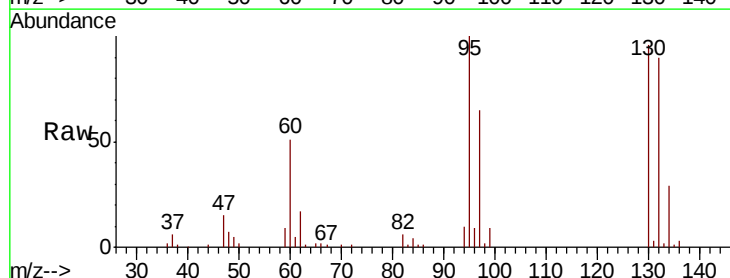


Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 4.677 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU040466.D
Acq: 02 Oct 2020 17:52

Tgt Ion: 95 Resp: 58859
Ion Ratio Lower Upper
95 100
97 64.9 46.3 85.9
132 90.1 60.5 112.3
130 96.1 64.3 119.3

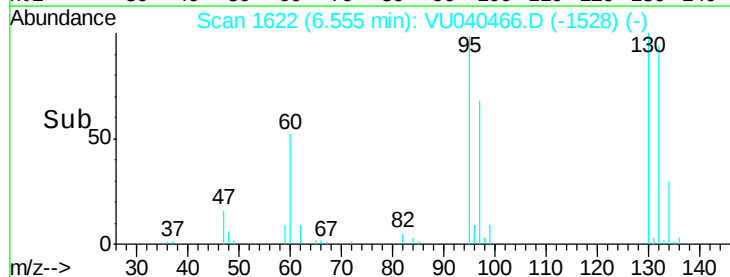
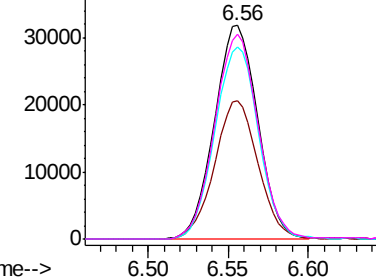


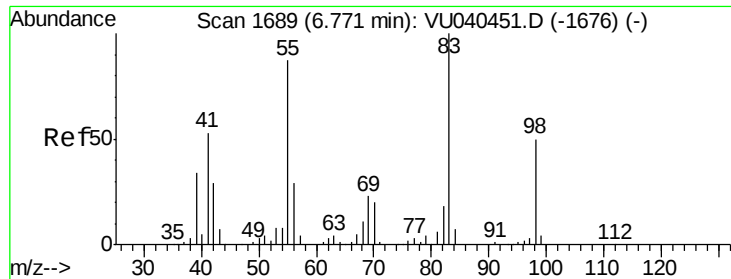
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

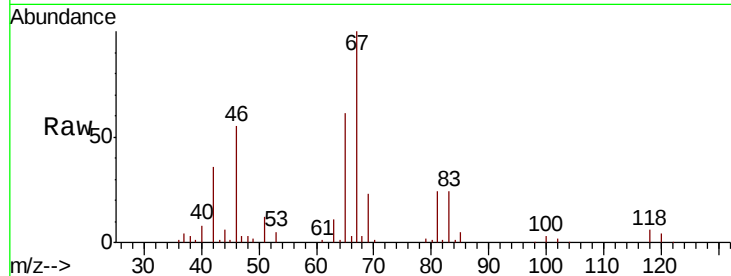




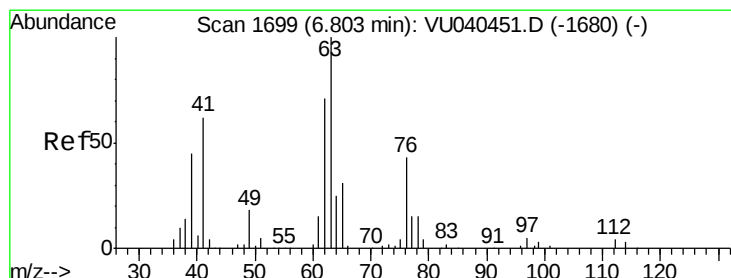
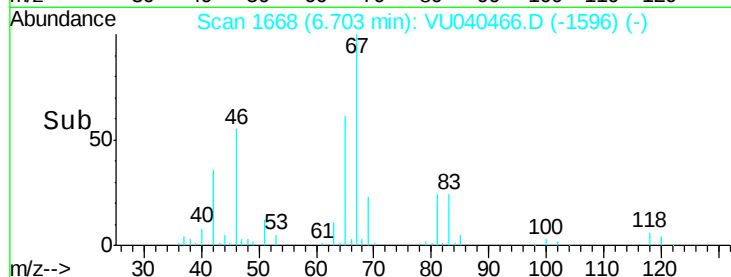
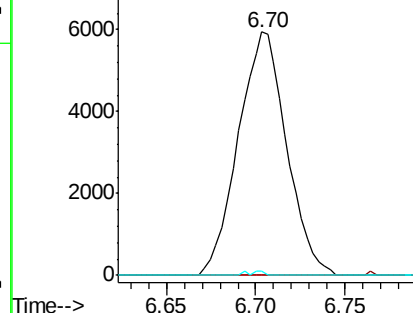
#35
Methvlcvclohexane
Concen: 0.606 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040466.D
Acq: 02 Oct 2020 17:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 11181
Ion Ratio Lower Upper
83 100
55 0.2 71.4 107.2#
98 0.5 38.5 57.7#

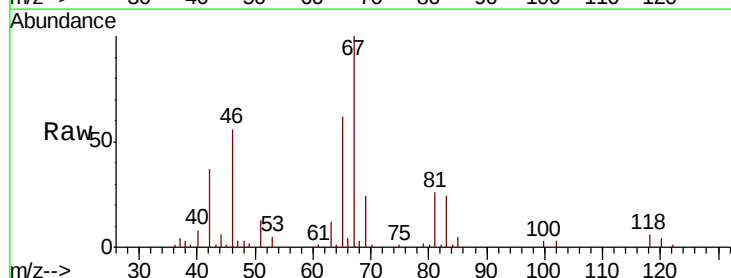


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

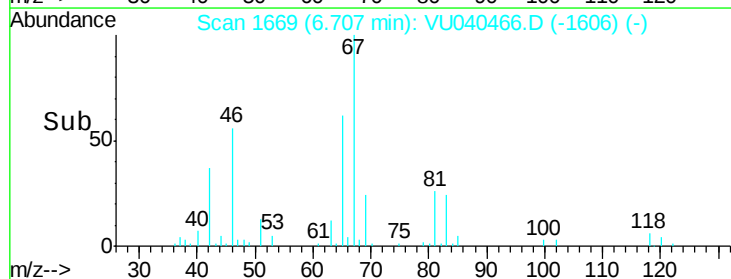
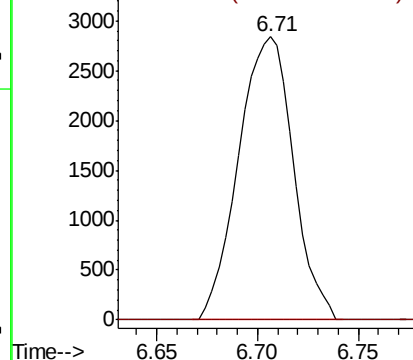


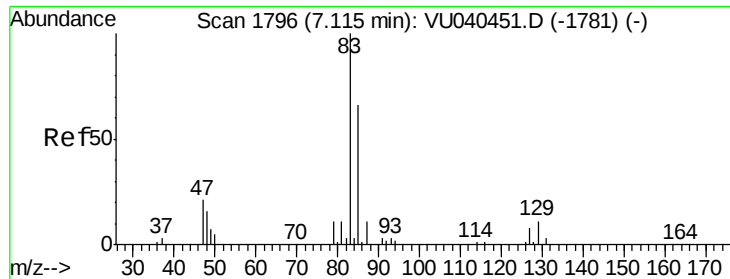
#37
1,2-Dichloropropane
Concen: 0.408 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU040466.D
Acq: 02 Oct 2020 17:52

Tgt Ion: 63 Resp: 5385
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

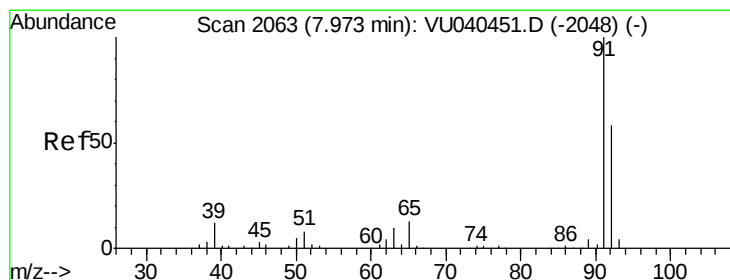
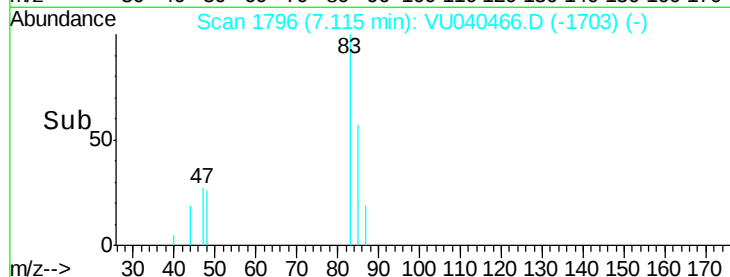
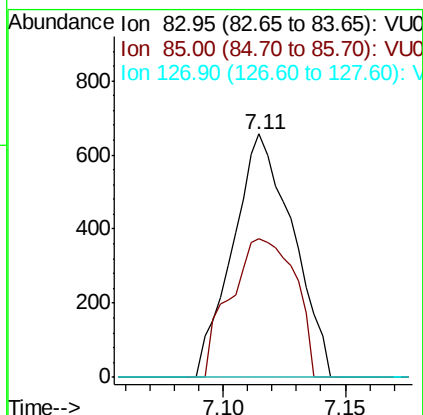
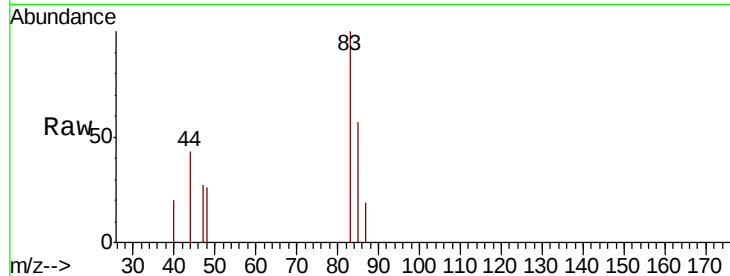




#38
 Bromodichloromethane
 Concen: 0.069 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040466.D
 Acq: 02 Oct 2020 17:52

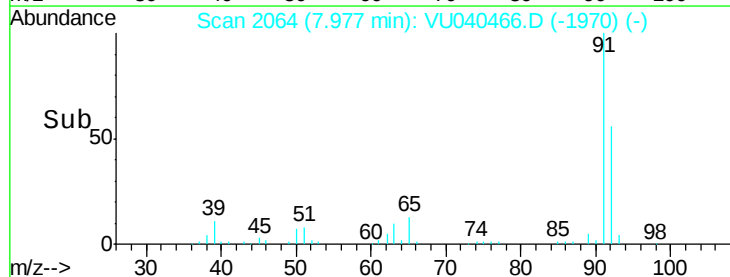
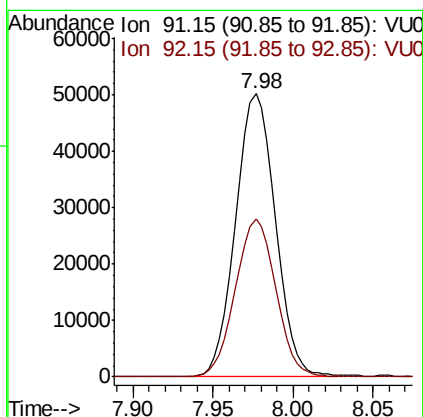
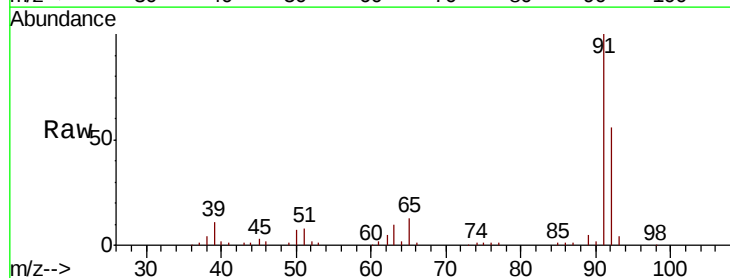
Instrument :
 MSVOA_U
 ClientSampleId :

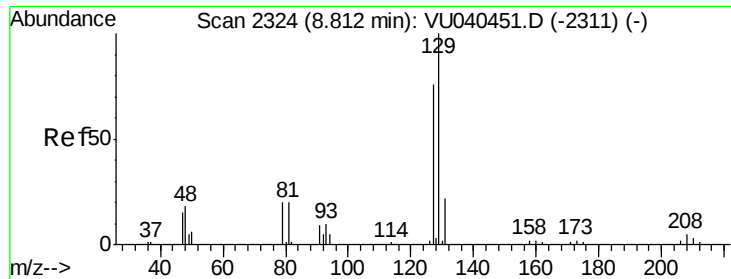
Tot Ion: 83 Resp: 1120
 Ion Ratio Lower Upper
 83 100
 85 56.9 45.1 83.9
 127 0.0 6.6 9.8#



#42
 Toluene
 Concen: 1.752 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040466.D
 Acq: 02 Oct 2020 17:52

Tgt Ion: 91 Resp: 85181
 Ion Ratio Lower Upper
 91 100
 92 55.6 40.0 74.4

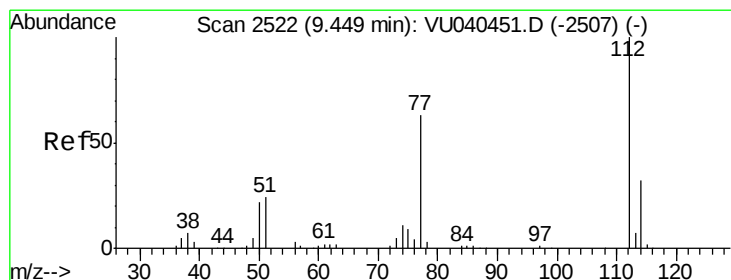
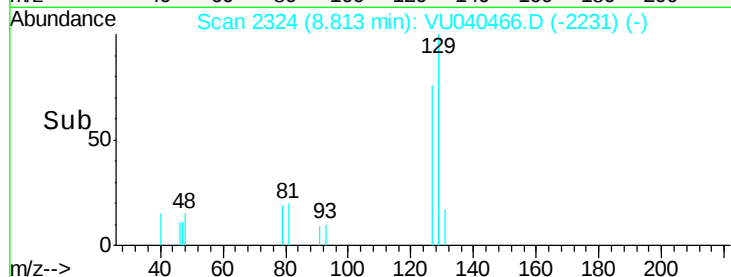
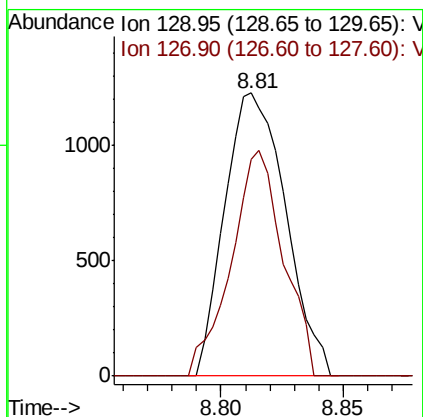
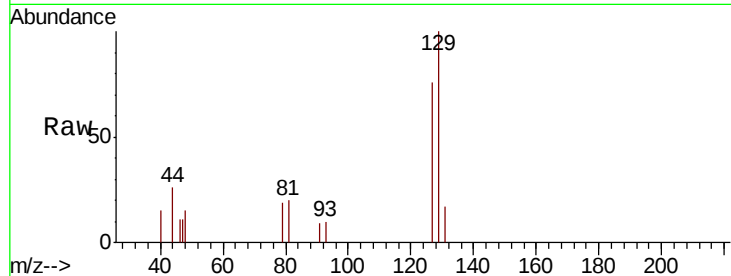




#49
Dibromochloromethane
Concen: 0.198 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040466.D
Acq: 02 Oct 2020 17:52

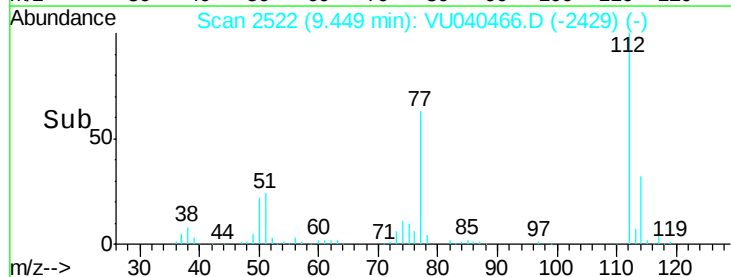
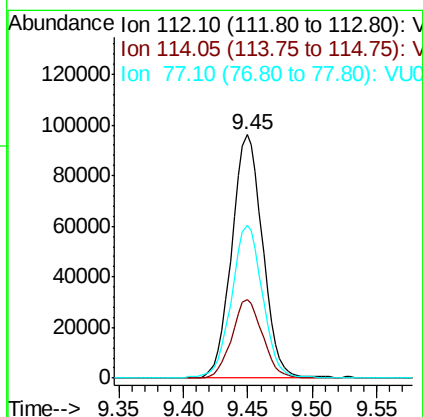
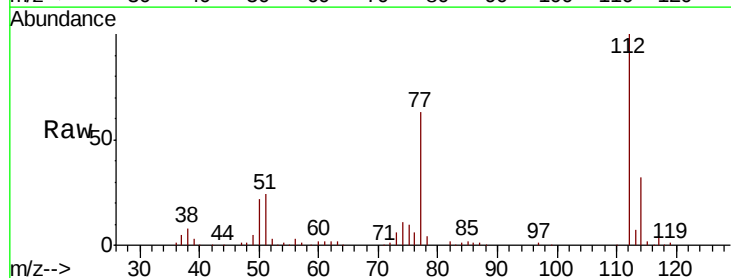
Instrument :
MSVOA_U
ClientSampled :

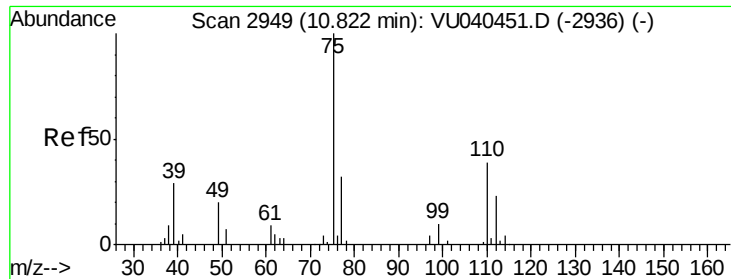
Tot Ion:129 Resp: 2129
Ion Ratio Lower Upper
129 100
127 76.4 55.4 103.0



#51
Chlorobenzene
Concen: 5.091 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040466.D
Acq: 02 Oct 2020 17:52

Tgt Ion:112 Resp: 160008
Ion Ratio Lower Upper
112 100
114 32.4 22.0 40.8
77 63.0 49.5 74.3





#59

1,2,3-Trichloropropane

Concen: 1.003 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040466.D

Acq: 02 Oct 2020 17:52

Instrument :

MSVOA_U

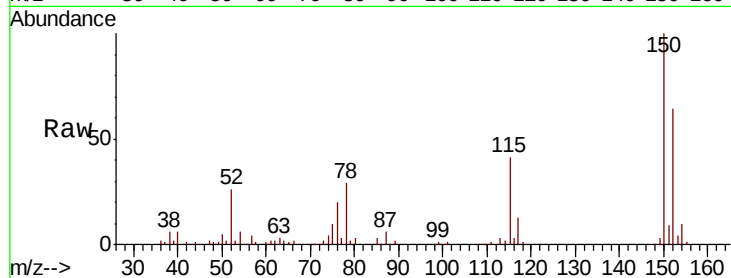
ClientSampleId :

Tot Ion: 75 Resp: 9599

Ion Ratio Lower Upper

75 100

77 34.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040451.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040451.D (-2936) (-)

11.81

6000

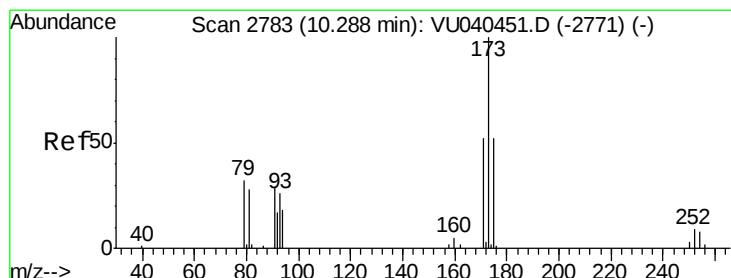
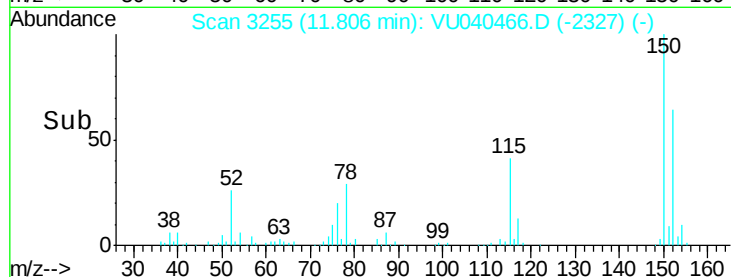
4000

2000

0

11.75 11.80 11.85

Time-->



#61

Bromoform

Concen: 0.546 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VU040466.D

Acq: 02 Oct 2020 17:52

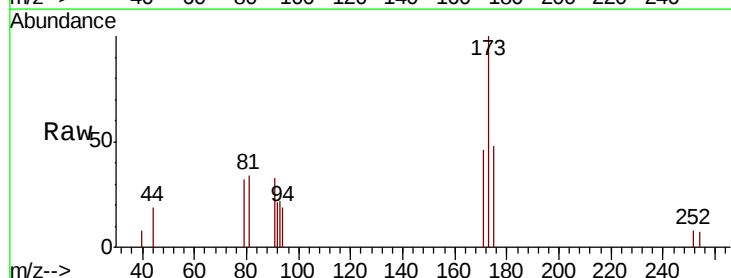
Tgt Ion: 173 Resp: 3001

Ion Ratio Lower Upper

173 100

175 47.4 39.6 59.4

254 2.4 7.0 10.4#



Abundance Ion 172.90 (172.60 to 173.60): VU040451.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040451.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040451.D (-2771) (-)

2500

2000

1500

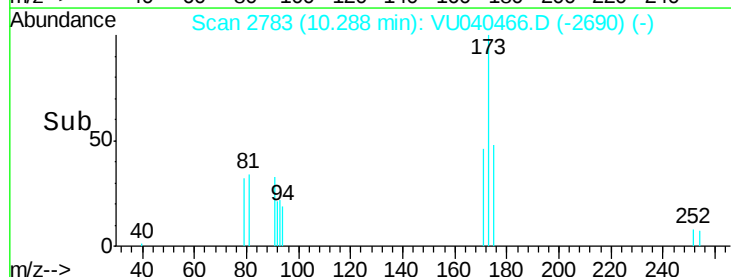
1000

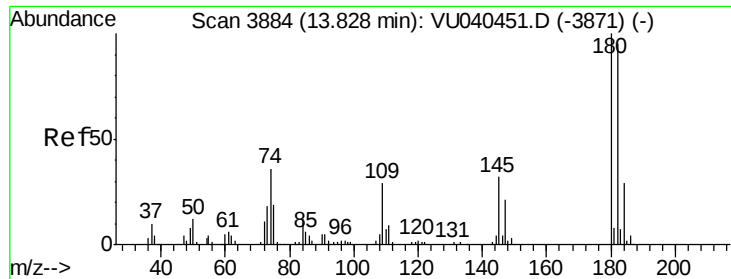
500

0

10.25 10.30

Time-->

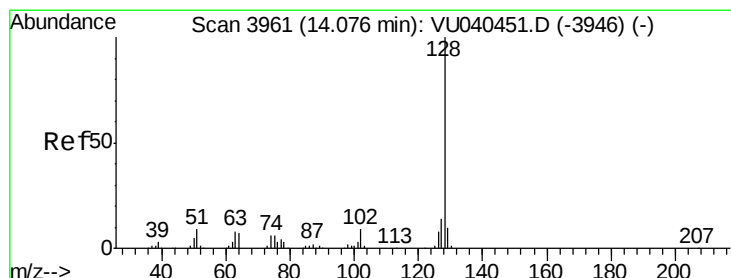
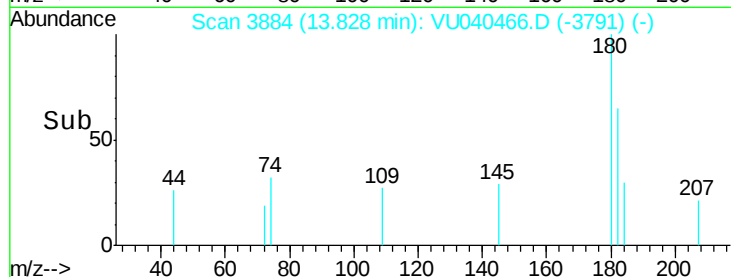
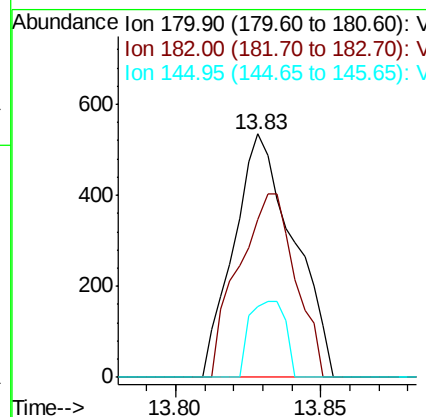
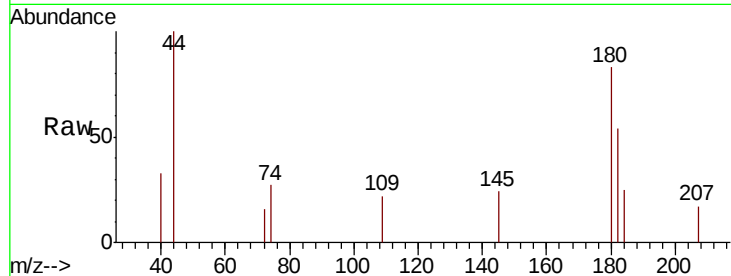




#68
 1,2,4-trichlorobenzene
 Concen: 0.061 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040466.D
 Acq: 02 Oct 2020 17:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 766
 Ion Ratio Lower Upper
 180 100
 182 71.5 76.6 115.0#
 145 18.9 26.3 39.5#



#69
 Naphthalene
 Concen: 0.071 ug/L
 RT: 14.08 min Scan# 3961
 Delta R.T. 0.00 min
 Lab File: VU040466.D
 Acq: 02 Oct 2020 17:52

Tgt Ion:128 Resp: 1525
 Ion Ratio Lower Upper
 128 100
 129 1.2 8.2 12.4#
 127 6.5 10.2 15.4#

