

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041326.D
 Acq On : 18 Nov 2020 21:00
 Operator : SY/MD
 Sample : L4790-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4430

Quant Time: Nov 19 01:35:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 19 00:50:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.38	114	64093	5.00	ug/L	0.13
28) Chlorobenzene-d5	9.45	117	64241	5.00	ug/L	0.03
60) 1,4-Dichlorobenzene-d4	11.82	152	31869	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.69	65	23248	4.93	ug/L	0.09
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	2.04	69	20154	5.00	ug/L	0.12
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.70	63	33694	3.46	ug/L	0.12
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.88	46	58237	29.96	ug/L	0.22
Spiked Amount	50.000	Range	40 - 130	Recovery	=	59.92%
24) Chloroform-d	5.20	84	49439	4.85	ug/L	0.12
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.85	65	31277	4.70	ug/L	0.14
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.87	84	86357	4.99	ug/L	0.13
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.81	67	31093	5.21	ug/L	0.11
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.97	98	70321	4.31	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	8.24	79	12033	4.68	ug/L	0.05
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.69	63	58644	42.74	ug/L	0.05
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.48%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	26882	4.64	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	31753	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.70	62	408144	73.353	ug/L	99
12) 1,1-Dichloroethene	2.71	96	1983	0.475	ug/L #	1
14) Carbon disulfide	2.93	76	4698	0.383	ug/L	98
18) trans-1,2-Dichloroethene	3.50	96	18698	4.602	ug/L	98
19) 1,1-Dichloroethane	4.03	63	5054	0.556	ug/L	94
22) cis-1,2-Dichloroethene	4.81	96	605258	131.890	ug/L	90
33) Benzene	5.92	78	58550	3.363	ug/L	100
34) Trichloroethene	6.66	95	74022	15.732	ug/L	98
42) Toluene	8.03	91	296510	15.937	ug/L	100
47) Tetrachloroethene	8.60	164	988	0.284	ug/L	88
51) Chlorobenzene	9.48	112	5075	0.412	ug/L	94
52) Ethylbenzene	9.60	91	65235	3.283	ug/L	100
53) m,p-Xylene	9.72	106	57733	8.040	ug/L	100
54) o-Xylene	10.12	106	69188	10.003	ug/L	99
56) Isopropylbenzene	10.50	105	6492	0.354	ug/L #	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

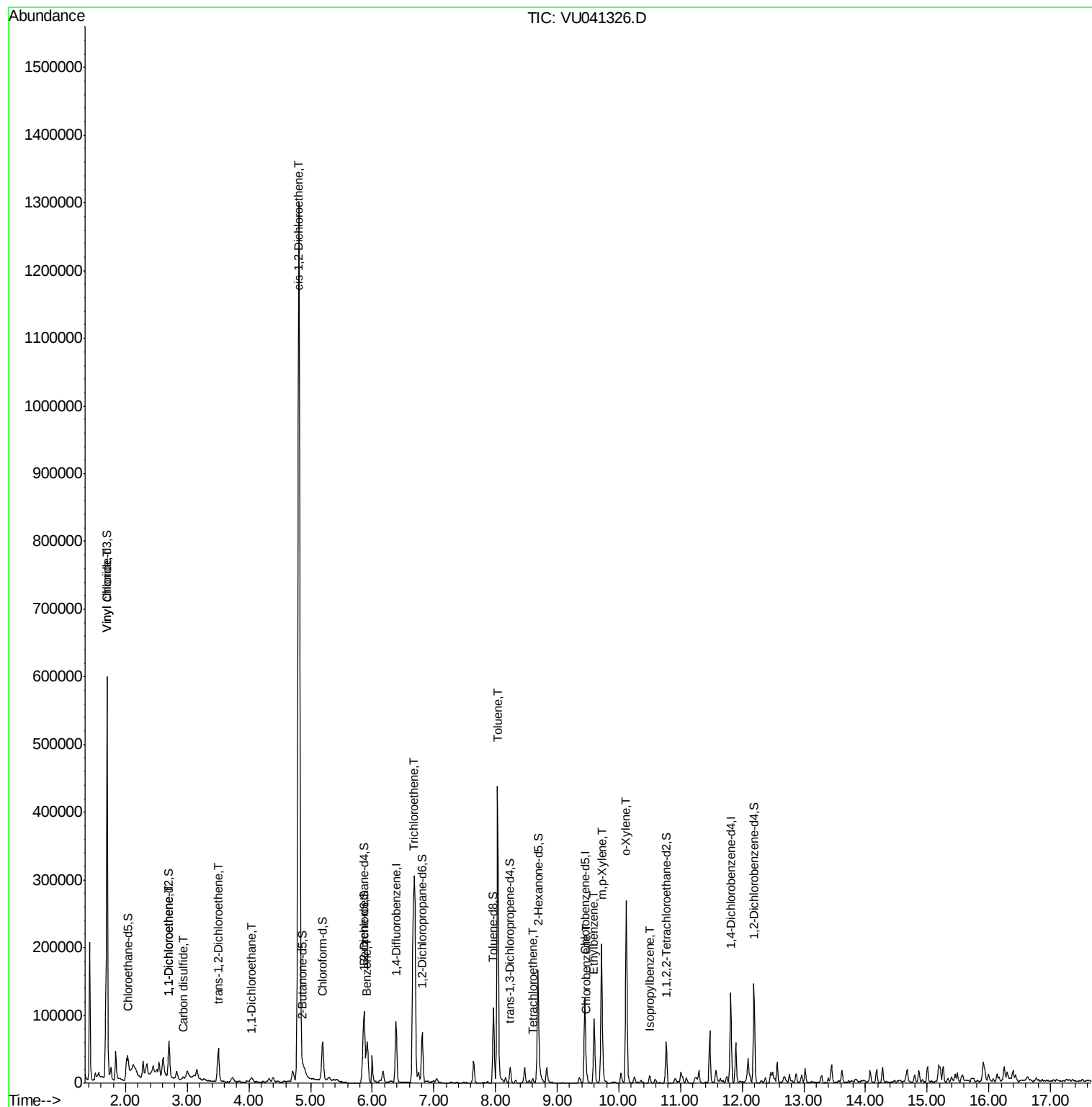
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

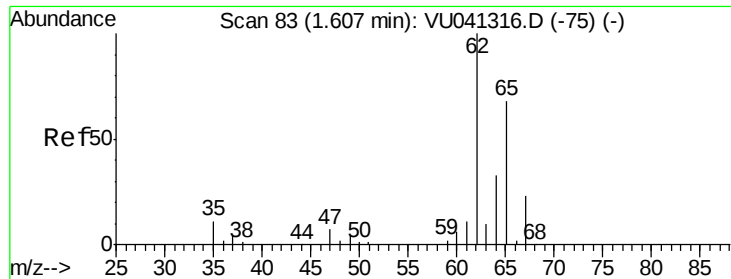
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 73.353 ug/L

RT: 1.70 min Scan# 112

Delta R.T. 0.09 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

Instrument :

MSVOA_U

ClientSampled :

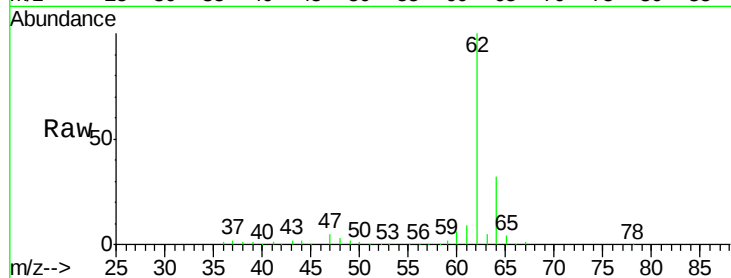
H4430

Tot Ion: 62 Resp: 408144

Ion Ratio Lower Upper

62 100

64 32.2 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.70

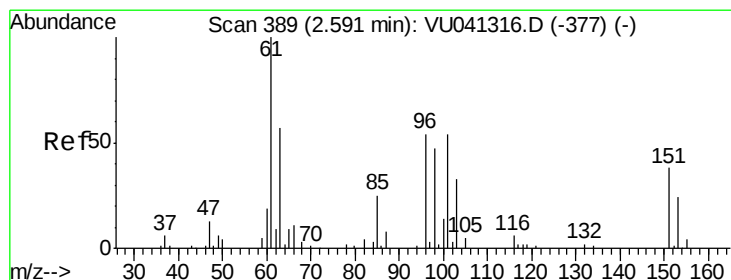
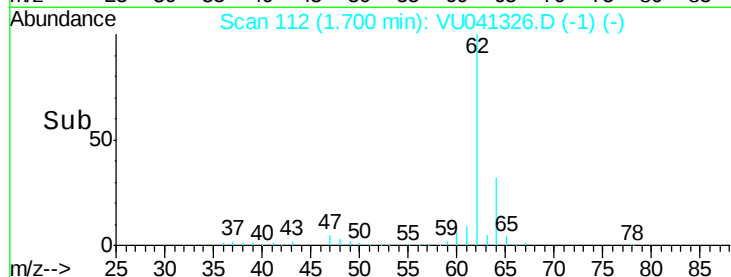
300000

200000

100000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.475 ug/L

RT: 2.71 min Scan# 427

Delta R.T. 0.12 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

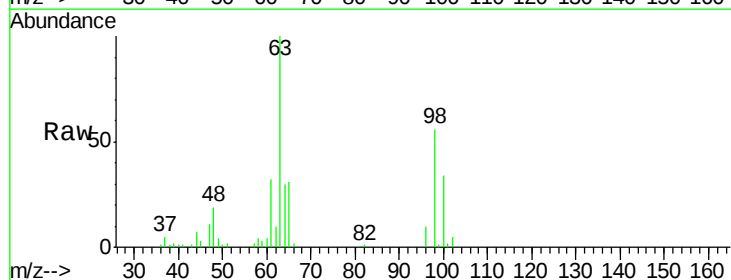
Tgt Ion: 96 Resp: 1983

Ion Ratio Lower Upper

96 100

61 330.4 134.3 249.5#

63 1030.5 95.0 176.4#



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

25000

20000

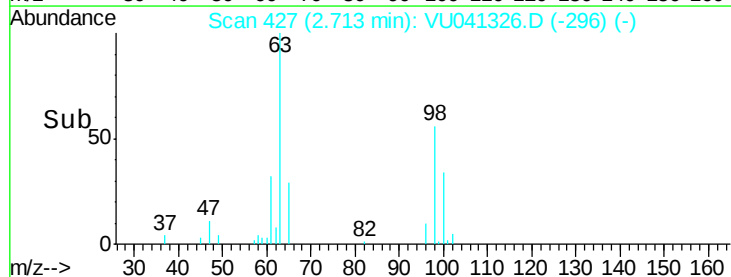
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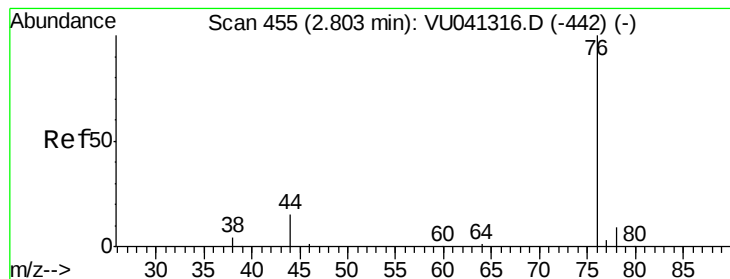
10000

5000

0

Time-->





#14

Carbon disulfide

Concen: 0.383 ug/L

RT: 2.93 min Scan# 494

Delta R.T. 0.13 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

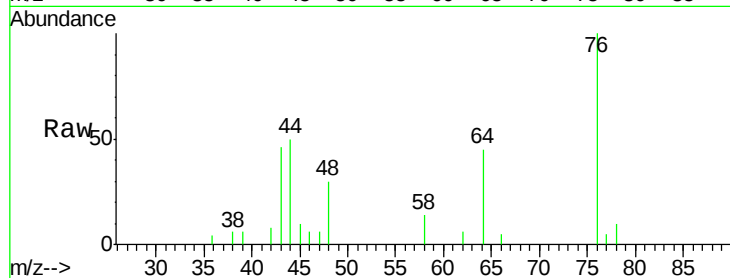
H4430

Tot Ion: 76 Resp: 4698

Ion Ratio Lower Upper

76 100

78 10.0 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

4000

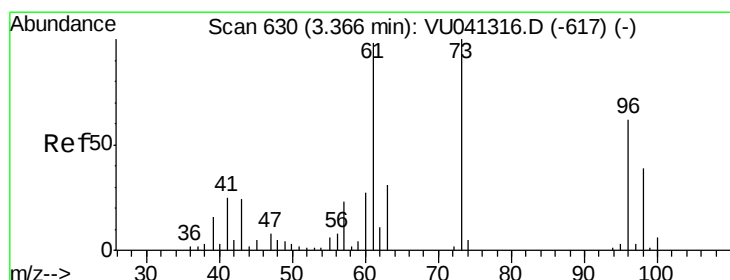
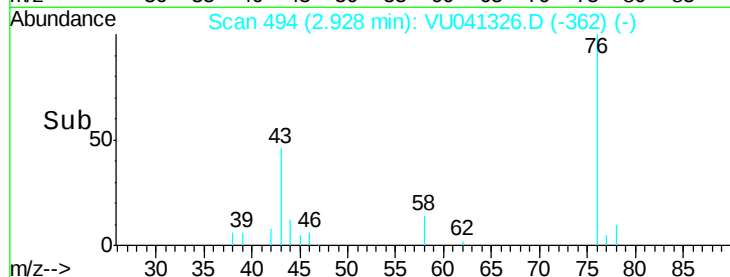
3000

2000

1000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 4.602 ug/L

RT: 3.50 min Scan# 672

Delta R.T. 0.14 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

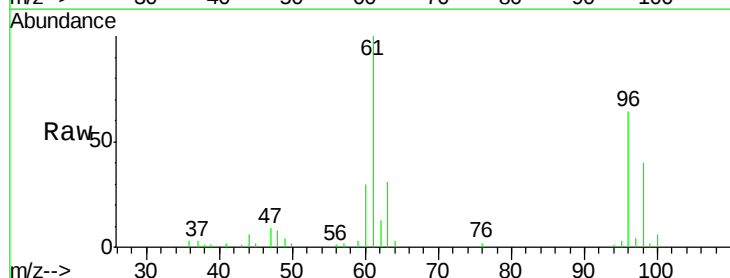
Tgt Ion: 96 Resp: 18698

Ion Ratio Lower Upper

96 100

61 155.5 110.9 205.9

98 62.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

20000

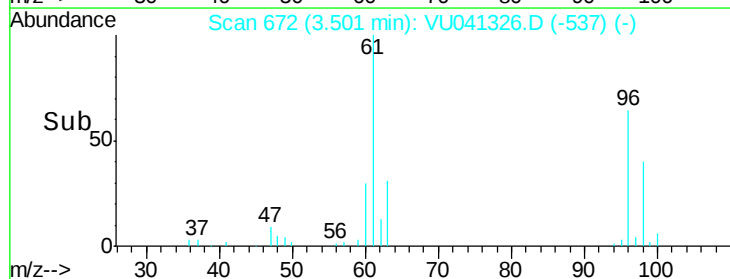
15000

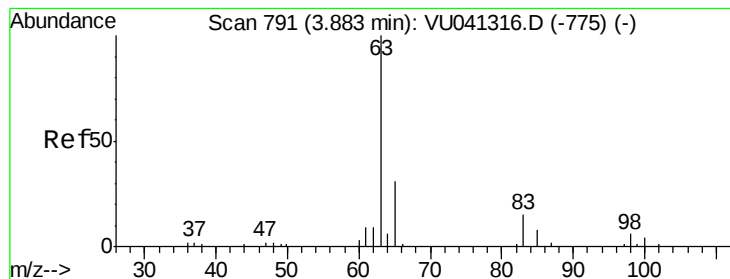
10000

5000

0

Time-->





#19

1,1-Dichloroethane

Concen: 0.556 ug/L

RT: 4.03 min Scan# 837

Delta R.T. 0.15 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

Instrument :

MSVOA_U

ClientSampled :

H4430

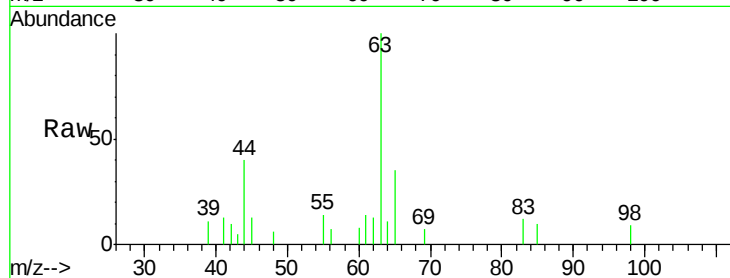
Tot Ion: 63 Resp: 5054

Ion Ratio Lower Upper

63 100

65 34.7 21.3 39.6

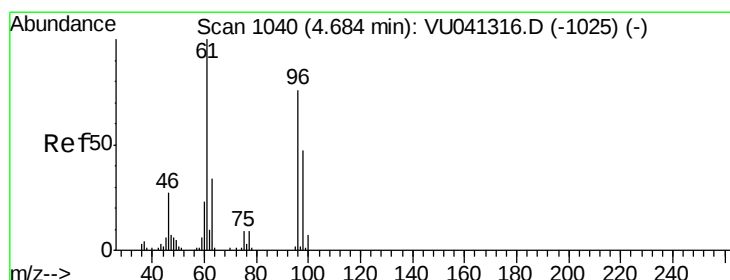
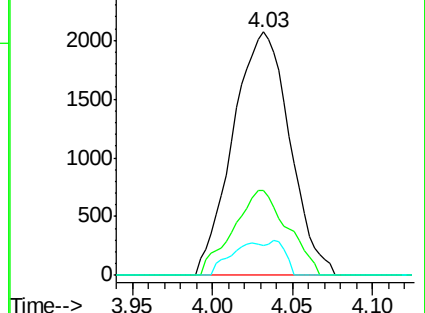
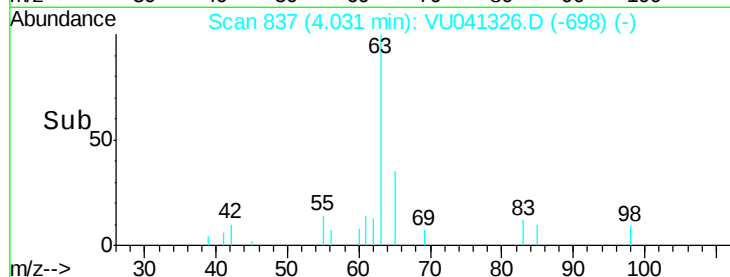
83 12.0 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041326.D (-698) (-)

Ion 65.10 (64.80 to 65.80): VU041326.D (-698) (-)

Ion 83.05 (82.75 to 83.75): VU041326.D (-698) (-)



#22

cis-1,2-Dichloroethene

Concen: 131.890 ug/L

RT: 4.81 min Scan# 1080

Delta R.T. 0.13 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

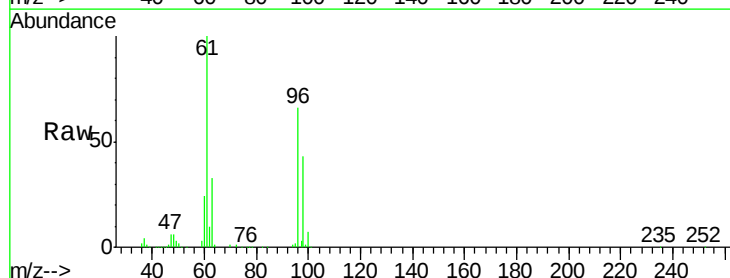
Tgt Ion: 96 Resp: 605258

Ion Ratio Lower Upper

96 100

61 150.4 97.2 180.4

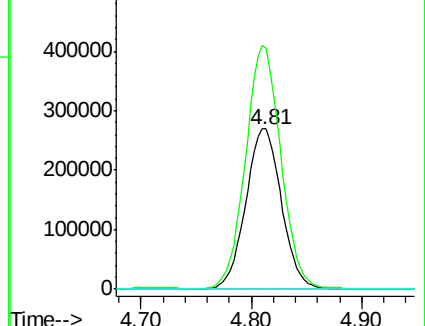
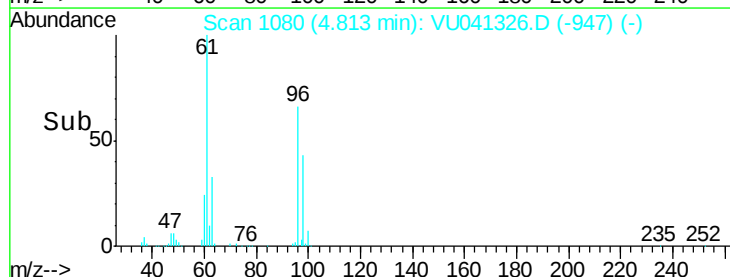
68 0.0 0.0 0.0

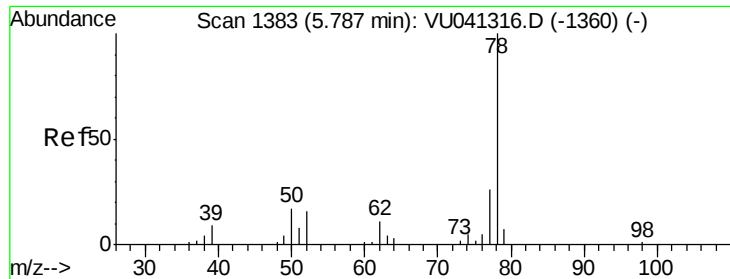


Abundance Ion 96.00 (95.70 to 96.70): VU041326.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041326.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041326.D (-947) (-)





#33

Benzene

Concen: 3.363 ug/L

RT: 5.92 min Scan# 1424

Delta R.T. 0.13 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

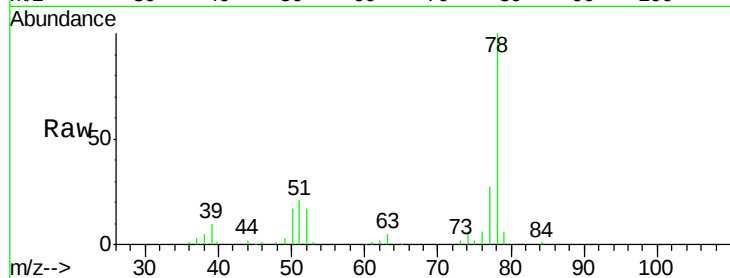
Instrument :

MSVOA_U

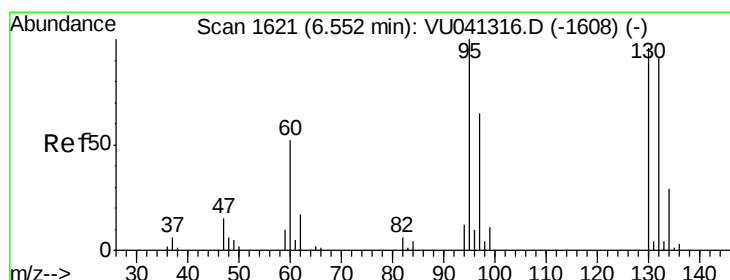
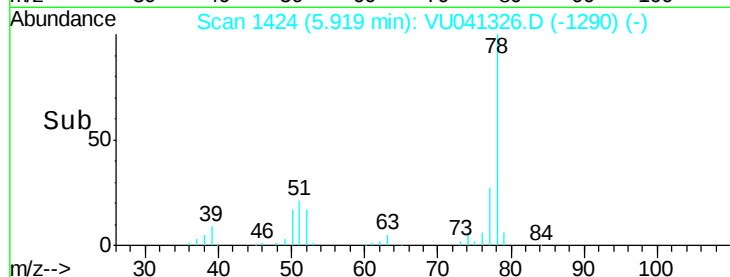
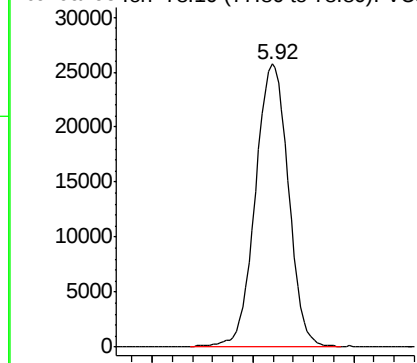
ClientSampleId :

H4430

Tgt Ion: 78 Resp: 58550



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 15.732 ug/L

RT: 6.66 min Scan# 1656

Delta R.T. 0.11 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

Tgt Ion: 95 Resp: 74022

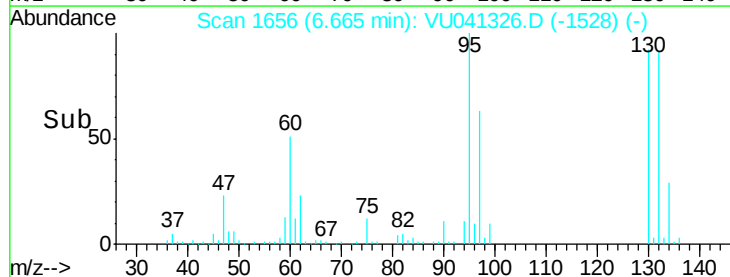
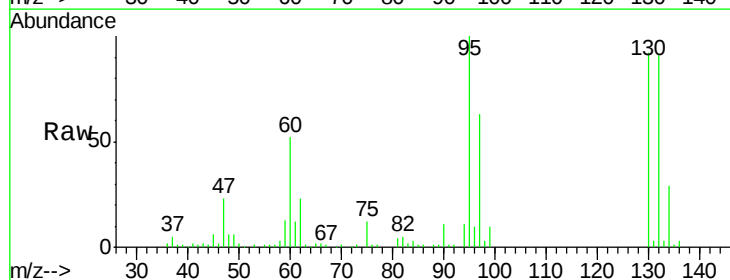
Ion	Ratio	Lower	Upper
95	100		
97	63.2	45.6	84.6
132	90.8	64.8	120.4
130	91.8	64.8	120.4

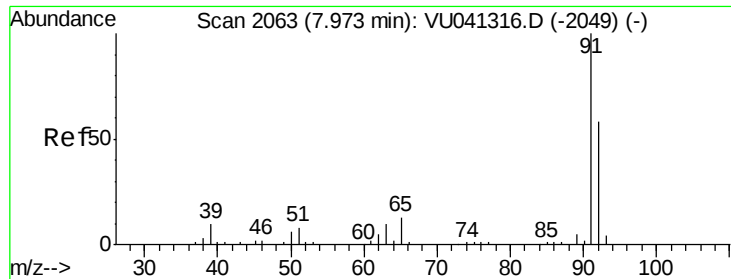
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#42

Toluene

Concen: 15.937 ug/L

RT: 8.03 min Scan# 2082

Delta R.T. 0.06 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

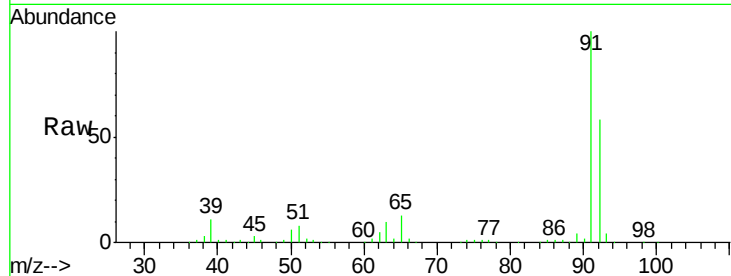
H4430

Tot Ion: 91 Resp: 296510

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041326.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041326.D (-2049) (-)

8.03

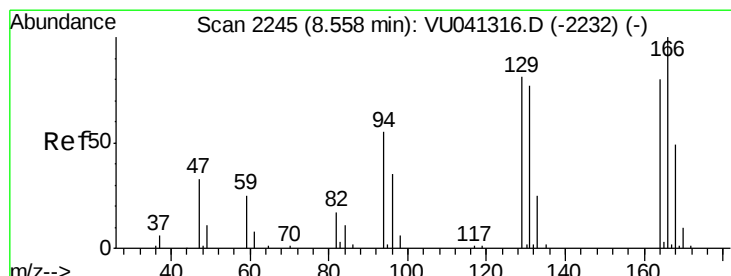
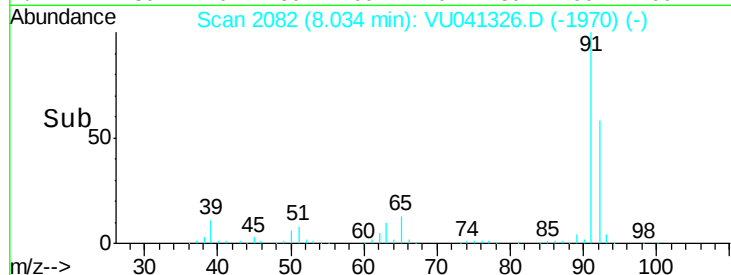
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 0.284 ug/L

RT: 8.60 min Scan# 2259

Delta R.T. 0.05 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

Tgt Ion: 164 Resp: 988

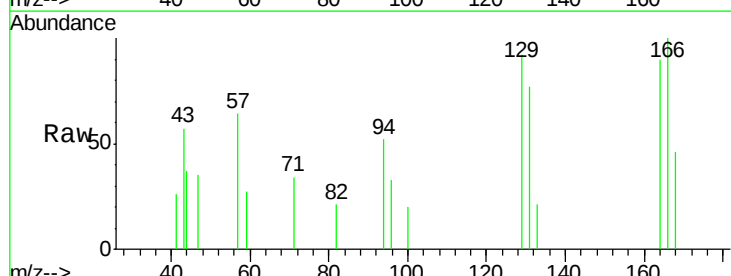
Ion Ratio Lower Upper

164 100

129 102.5 70.3 130.7

131 85.4 70.8 131.4

166 111.3 92.0 170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041326.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU041326.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU041326.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU041326.D (-2232) (-)

8.60

1200

1000

800

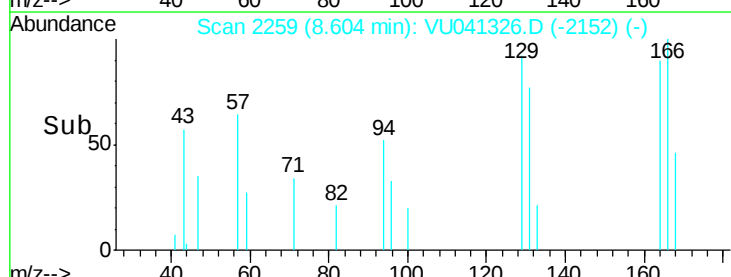
600

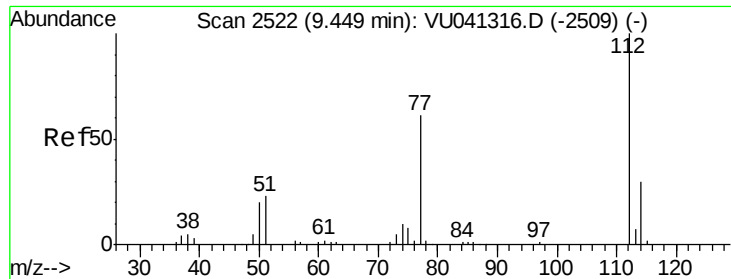
400

200

0

Time-->

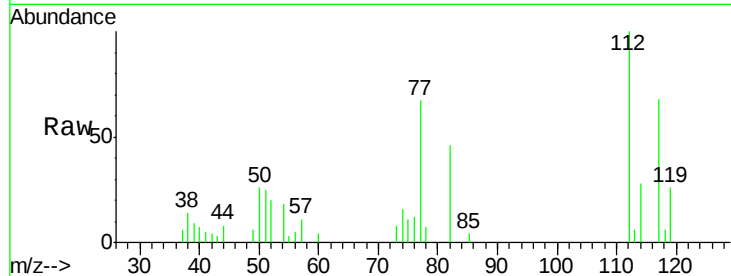




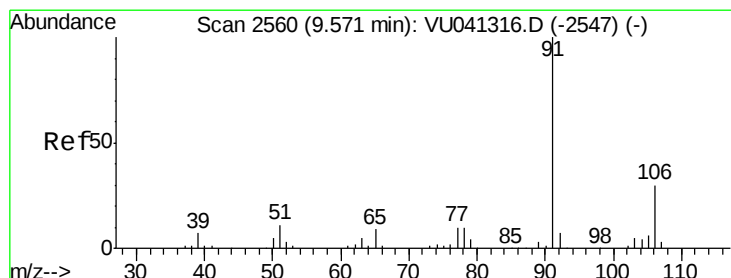
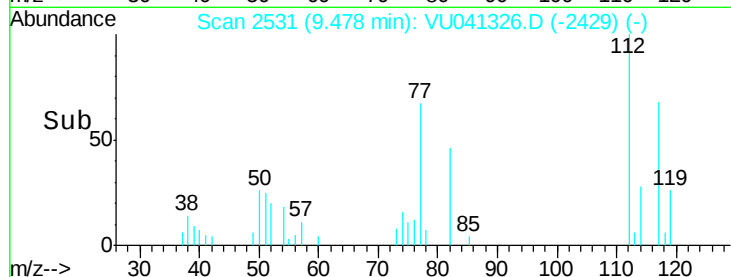
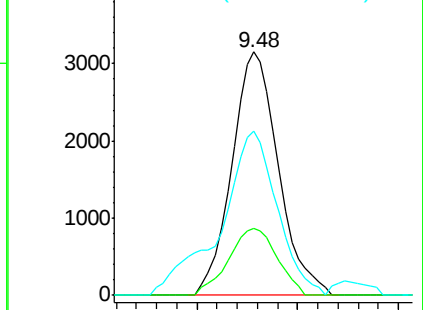
#51
Chlorobenzene
Concen: 0.412 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.03 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Instrument :
MSVOA_U
ClientSampleId :
H4430

Tot Ion:112 Resp: 5075
Ion Ratio Lower Upper
112 100
114 27.5 22.4 41.6
77 67.4 51.2 76.8

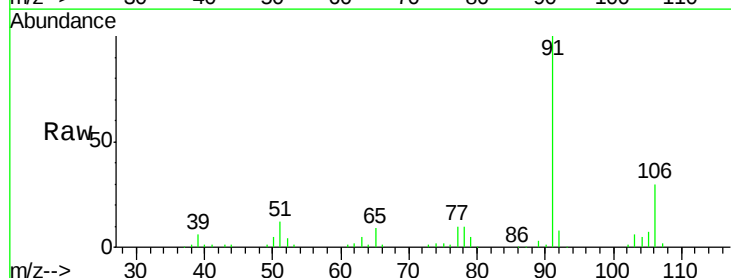


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

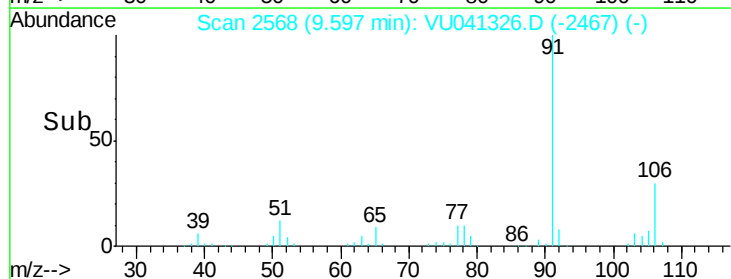
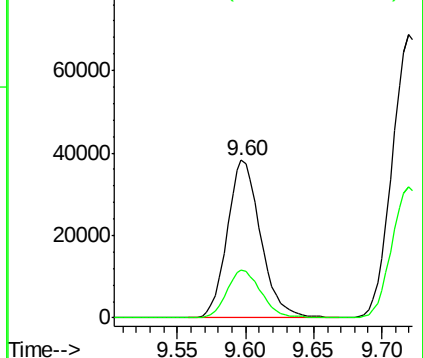


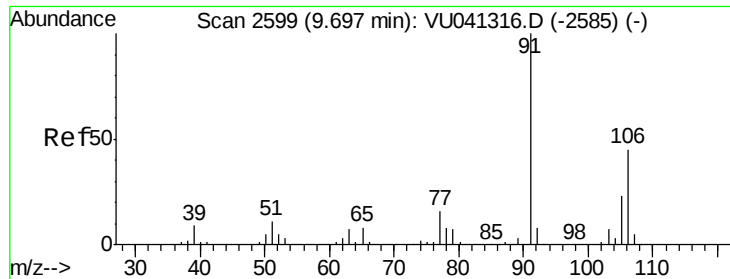
#52
Ethylbenzene
Concen: 3.283 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.03 min
Lab File: VU041326.D
Acq: 18 Nov 2020 21:00

Tgt Ion: 91 Resp: 65235
Ion Ratio Lower Upper
91 100
106 30.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 8.040 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.02 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

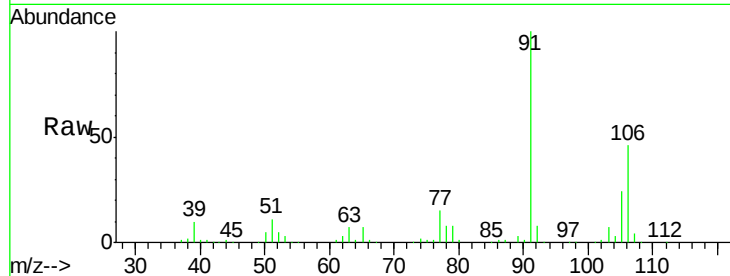
H4430

Tot Ion:106 Resp: 57733

Ion Ratio Lower Upper

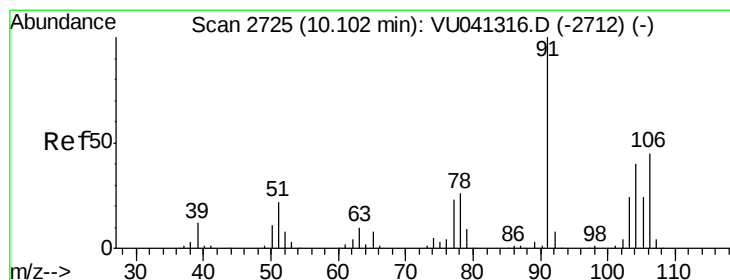
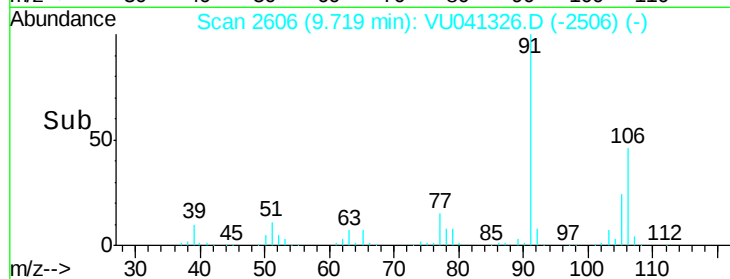
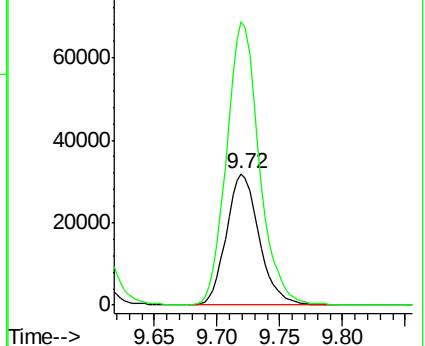
106 100

91 215.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 10.003 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.02 min

Lab File: VU041326.D

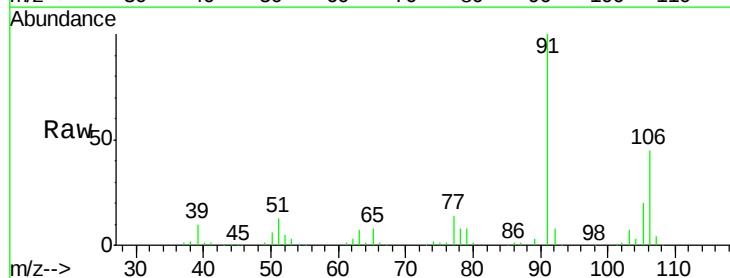
Acq: 18 Nov 2020 21:00

Tgt Ion:106 Resp: 69188

Ion Ratio Lower Upper

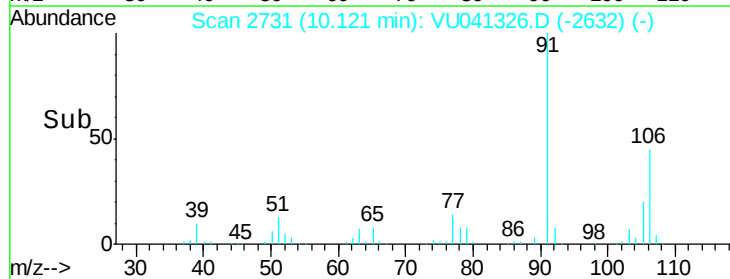
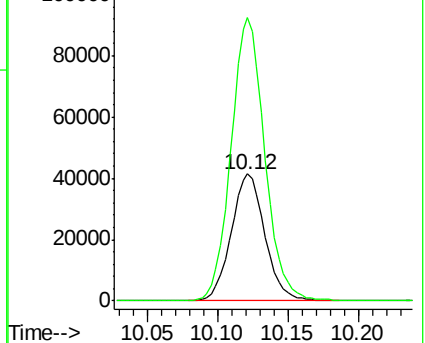
106 100

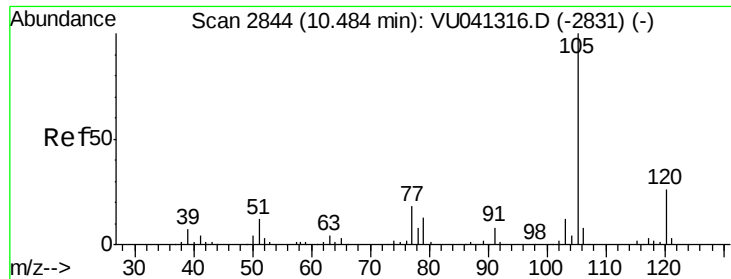
91 222.6 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.354 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.02 min

Lab File: VU041326.D

Acq: 18 Nov 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

H4430

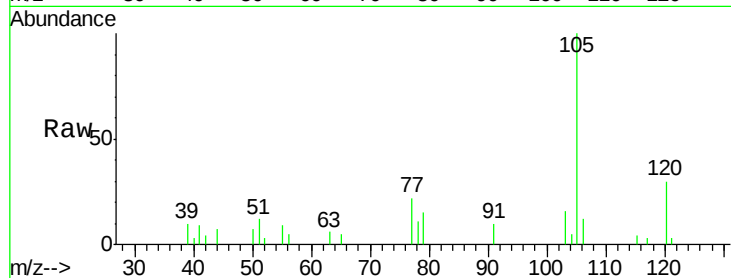
Tot Ion:105 Resp: 6492

Ion Ratio Lower Upper

105 100

120 24.6 20.7 31.1

77 20.8 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

