

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041321.D
 Acq On : 18 Nov 2020 19:02
 Operator : SY/MD
 Sample : L4790-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4390

Quant Time: Nov 19 01:12:07 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	6.27	114	62756	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	63726	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27546	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20505	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.92	69	17696	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.57	63	34814	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	4.74	46	74543	39.16	ug/L	0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.32%
24) Chloroform-d	5.10	84	52262	5.23	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.73	65	32015	4.91	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.75	84	87749	5.11	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.71	67	31182	5.27	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.91	98	71022	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.19	79	12364	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.65	63	61931	45.50	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.00%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	26967	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	30545	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	23915	4.390	ug/L	93
13) Acetone	2.77	43	6958	5.511	ug/L	86
14) Carbon disulfide	2.80	76	4234	0.352	ug/L #	94
18) trans-1,2-Dichloroethene	3.37	96	17415	4.377	ug/L	97
19) 1,1-Dichloroethane	3.89	63	3124	0.351	ug/L	95
21) 2-Butanone	4.83	43	6851	3.574	ug/L	76
22) cis-1,2-Dichloroethene	4.70	96	17968	3.999	ug/L	96
33) Benzene	5.80	78	27307	1.581	ug/L	100
34) Trichloroethene	6.56	95	2042	0.438	ug/L	83
42) Toluene	7.98	91	55632	3.014	ug/L	98
51) Chlorobenzene	9.45	112	825	0.067	ug/L	90
52) Ethylbenzene	9.57	91	12446	0.631	ug/L	94
53) m,p-Xylene	9.69	106	10226	1.436	ug/L	93
54) o-Xylene	10.10	106	5584	0.814	ug/L	98
56) Isopropylbenzene	10.48	105	1542	0.085	ug/L #	88

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

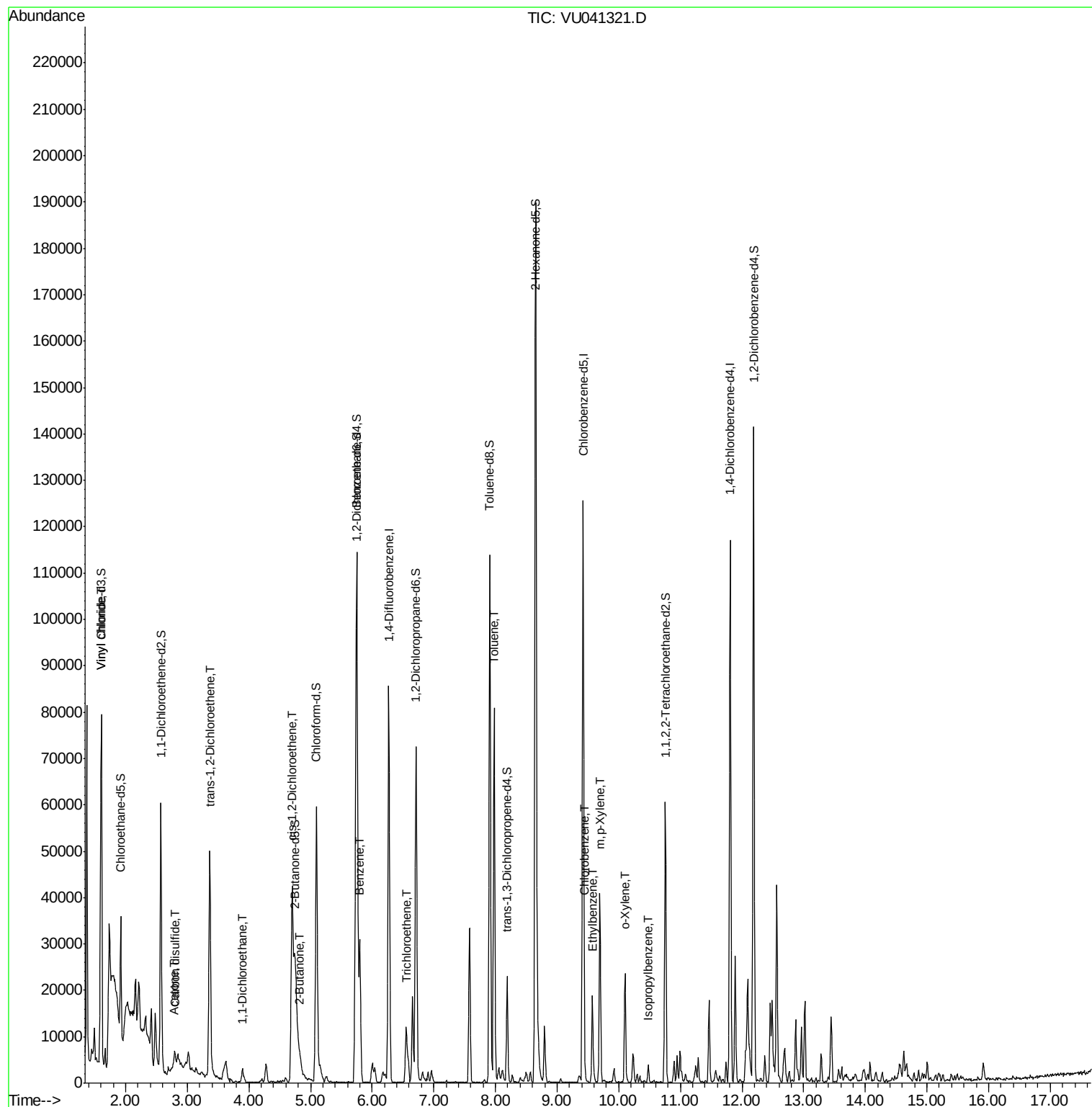
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

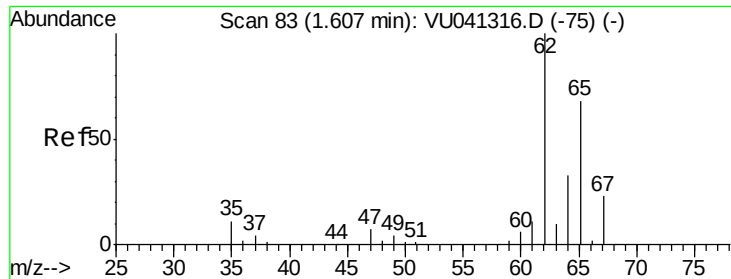
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 4.390 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041321.D

Acq: 18 Nov 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

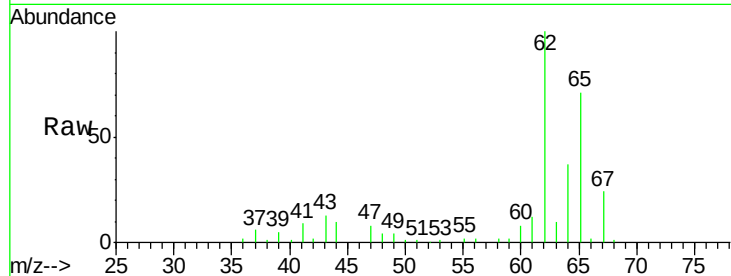
H4390

Tot Ion: 62 Resp: 23915

Ion Ratio Lower Upper

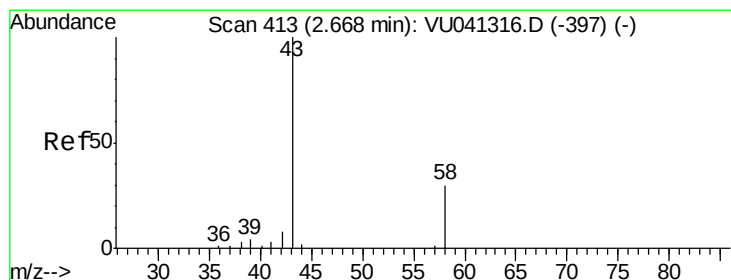
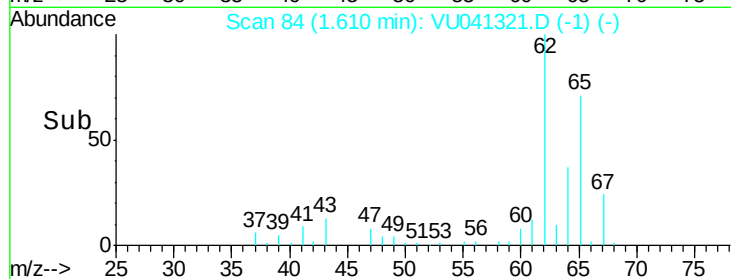
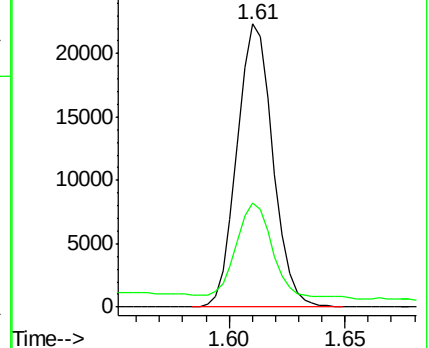
62 100

64 36.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#13

Acetone

Concen: 5.511 ug/L

RT: 2.77 min Scan# 446

Delta R.T. 0.11 min

Lab File: VU041321.D

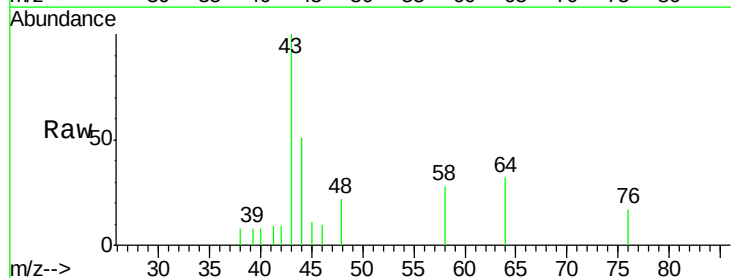
Acq: 18 Nov 2020 19:02

Tgt Ion: 43 Resp: 6958

Ion Ratio Lower Upper

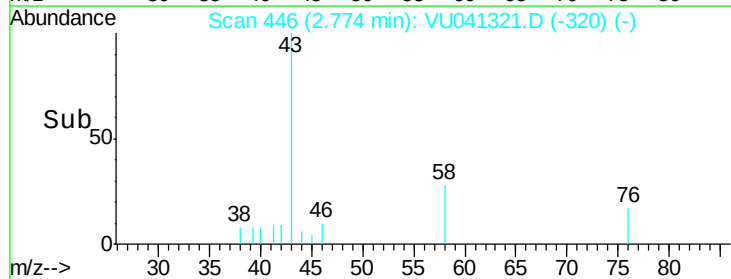
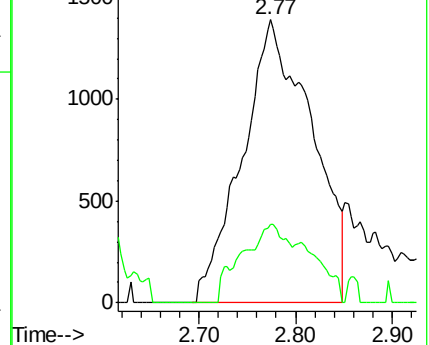
43 100

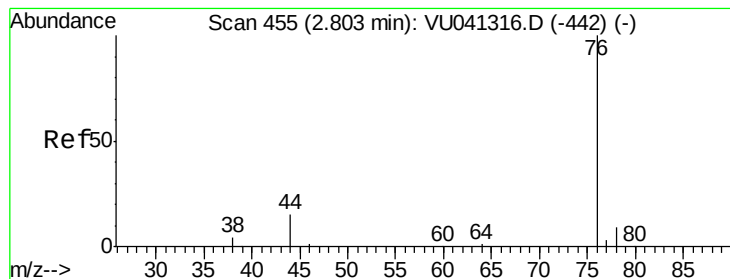
58 18.2 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.352 ug/L

RT: 2.80 min Scan# 453

Delta R.T. -0.01 min

Lab File: VU041321.D

Acq: 18 Nov 2020 19:02

Instrument :

MSVOA_U

ClientSampled :

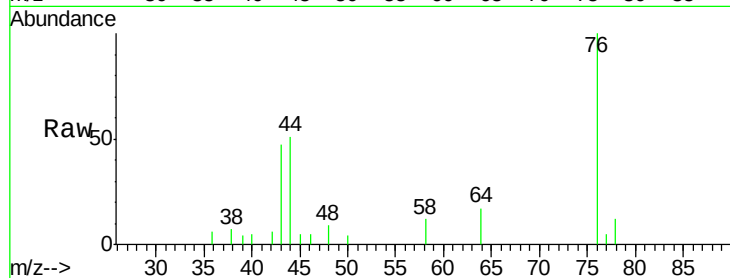
H4390

Tot Ion: 76 Resp: 4234

Ion Ratio Lower Upper

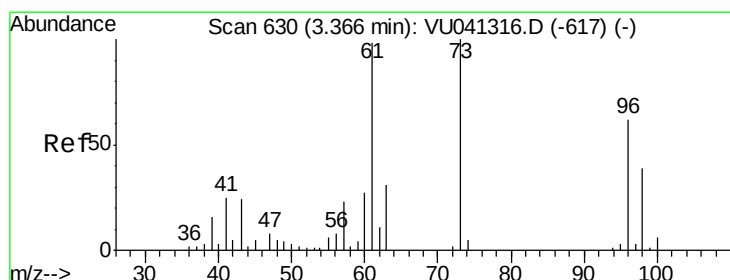
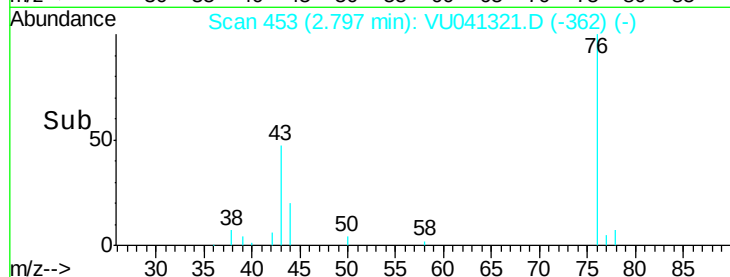
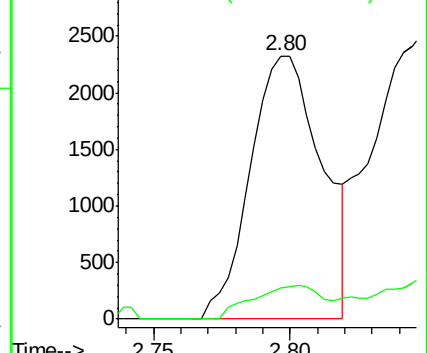
76 100

78 11.8 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#18

trans-1,2-Dichloroethene

Concen: 4.377 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU041321.D

Acq: 18 Nov 2020 19:02

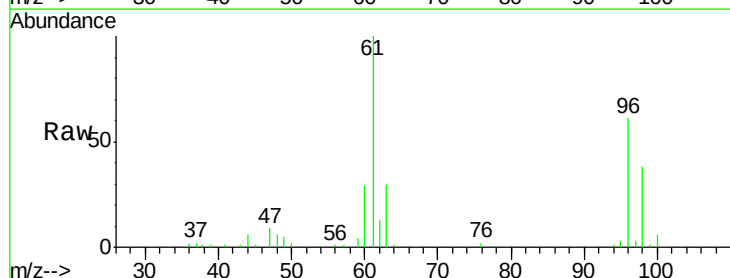
Tgt Ion: 96 Resp: 17415

Ion Ratio Lower Upper

96 100

61 162.7 110.9 205.9

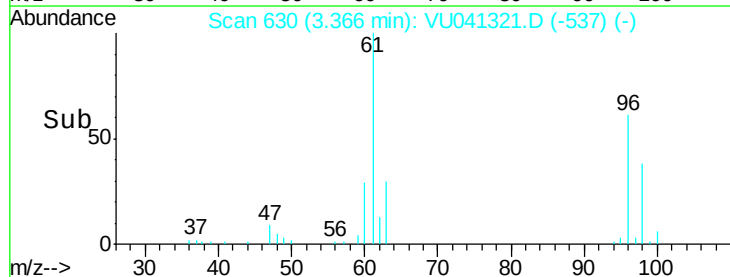
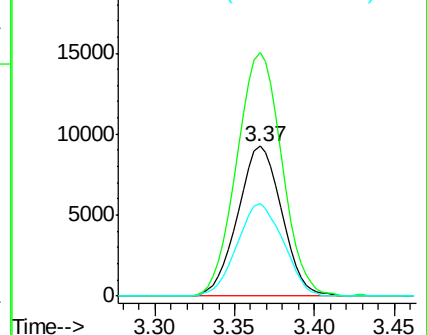
98 62.0 45.4 84.2

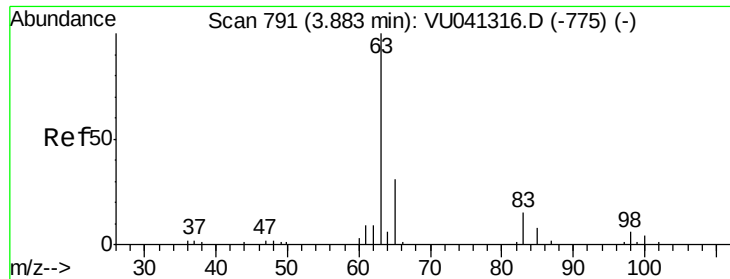


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

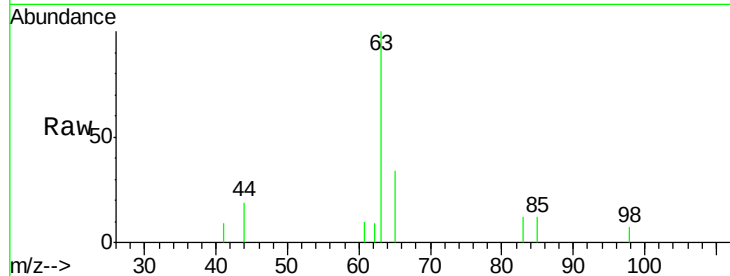




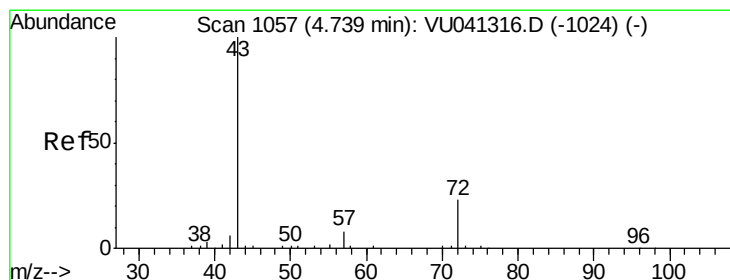
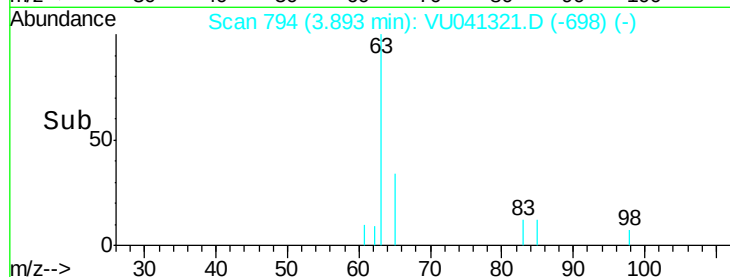
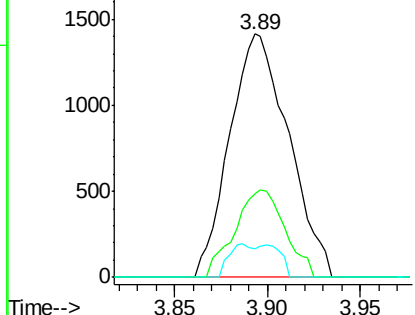
#19
 1,1-Dichloroethane
 Concen: 0.351 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU041321.D
 Acq: 18 Nov 2020 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 H4390

Tot Ion: 63 Resp: 3124
 Ion Ratio Lower Upper
 63 100
 65 34.2 21.3 39.6
 83 11.6 8.8 16.3

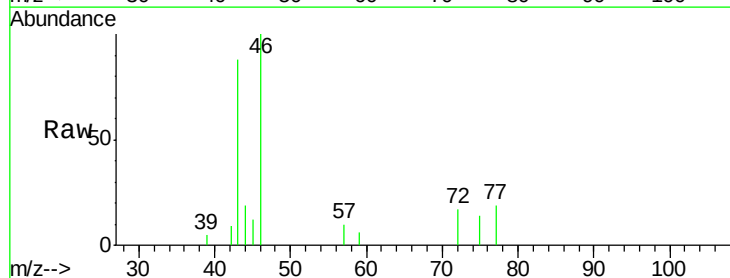


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

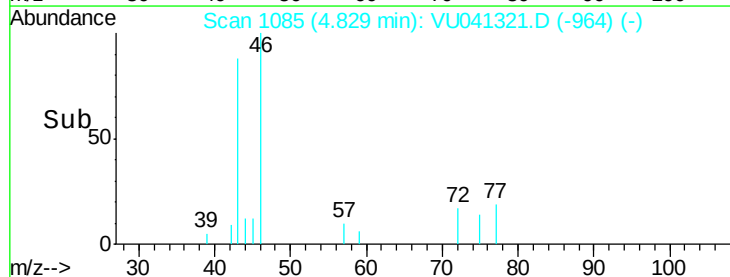
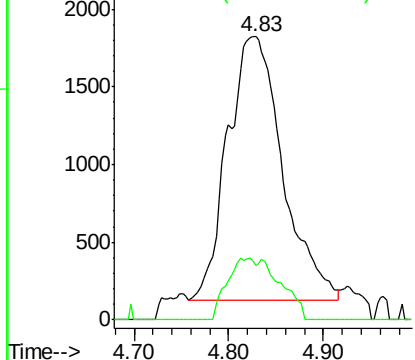


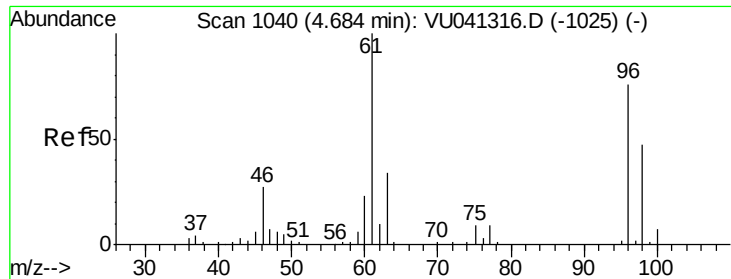
#21
 2-Butanone
 Concen: 3.574 ug/L
 RT: 4.83 min Scan# 1085
 Delta R.T. 0.09 min
 Lab File: VU041321.D
 Acq: 18 Nov 2020 19:02

Tgt Ion: 43 Resp: 6851
 Ion Ratio Lower Upper
 43 100
 72 11.9 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 3.999 ug/L

RT: 4.70 min Scan# 1045

Delta R.T. 0.02 min

Lab File: VU041321.D

Acq: 18 Nov 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

H4390

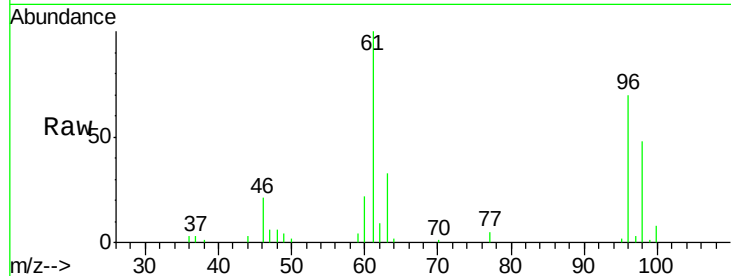
Tot Ion: 96 Resp: 17968

Ion Ratio Lower Upper

96 100

61 143.4 97.2 180.4

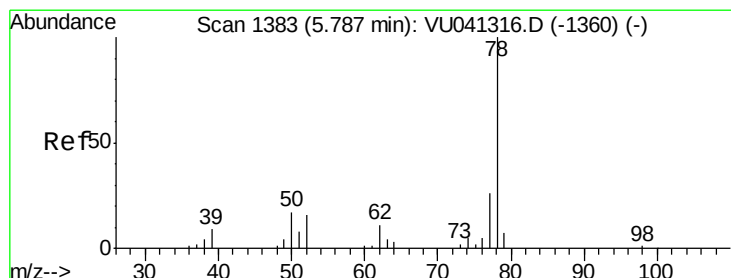
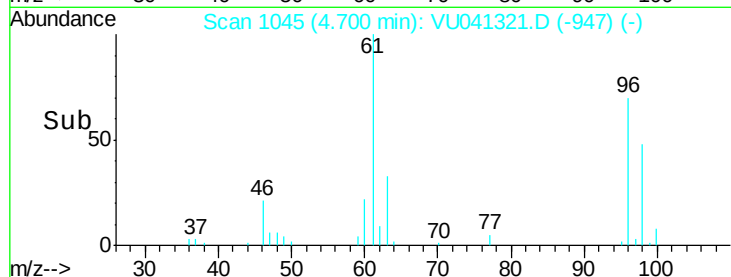
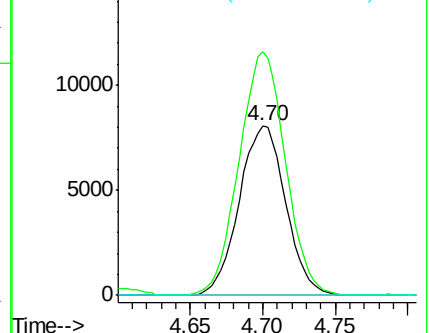
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#33

Benzene

Concen: 1.581 ug/L

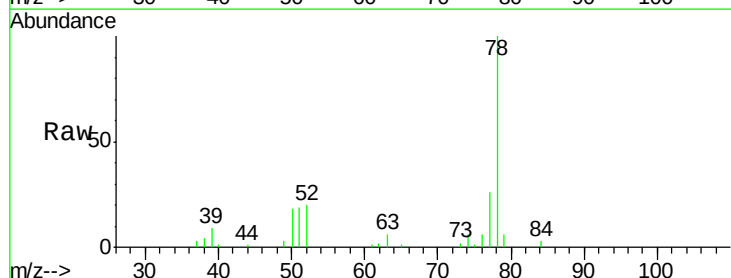
RT: 5.80 min Scan# 1386

Delta R.T. 0.01 min

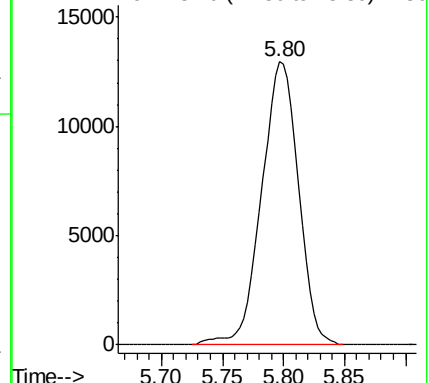
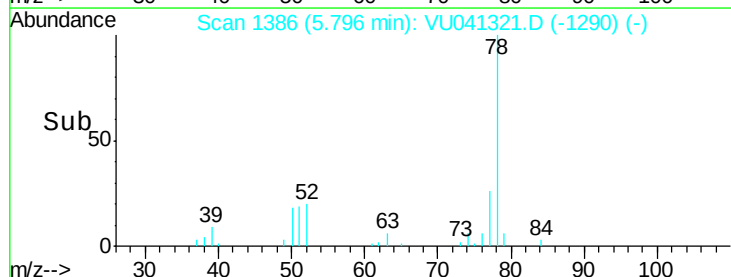
Lab File: VU041321.D

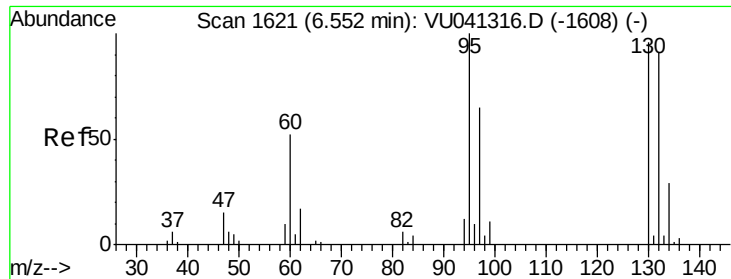
Acq: 18 Nov 2020 19:02

Tgt Ion: 78 Resp: 27307



Abundance Ion 78.10 (77.80 to 78.80): VU0

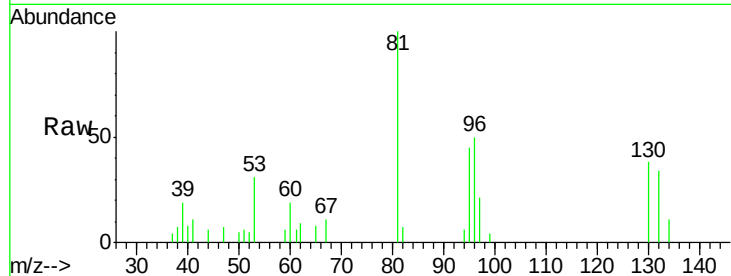




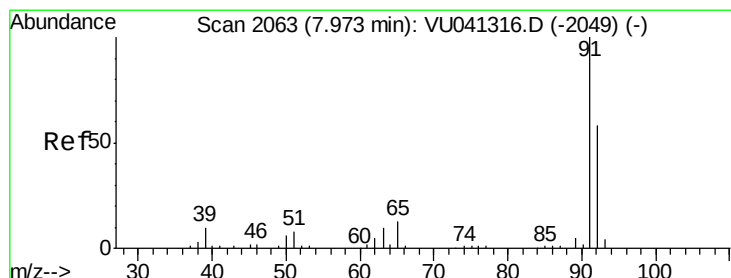
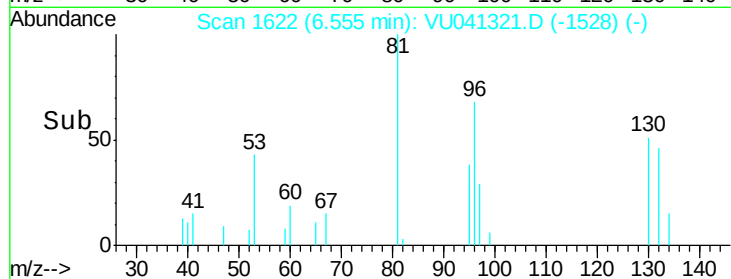
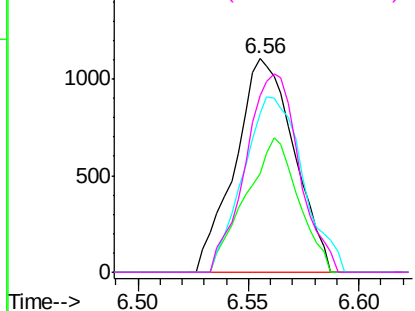
#34
 Trichloroethene
 Concen: 0.438 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041321.D
 Acq: 18 Nov 2020 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 H4390

Tot Ion: 95 Resp: 2042
 Ion Ratio Lower Upper
 95 100
 97 46.4 45.6 84.6
 132 74.5 64.8 120.4
 130 82.7 64.8 120.4

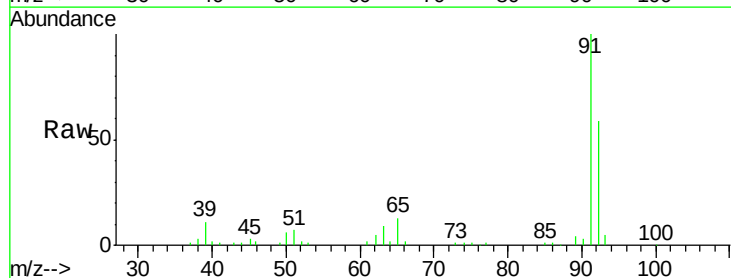


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

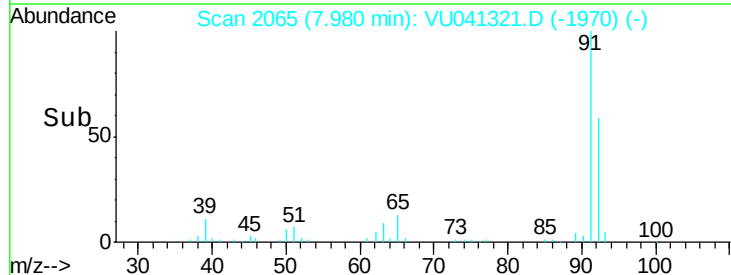
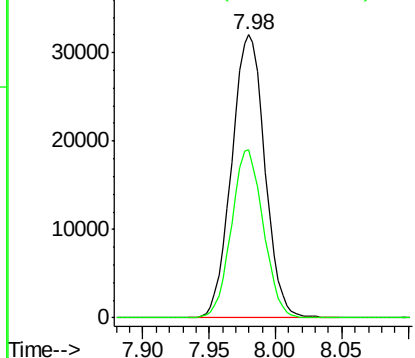


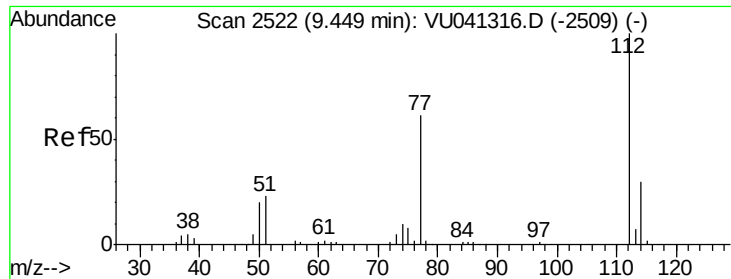
#42
 Toluene
 Concen: 3.014 ug/L
 RT: 7.98 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VU041321.D
 Acq: 18 Nov 2020 19:02

Tgt Ion: 91 Resp: 55632
 Ion Ratio Lower Upper
 91 100
 92 59.3 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0

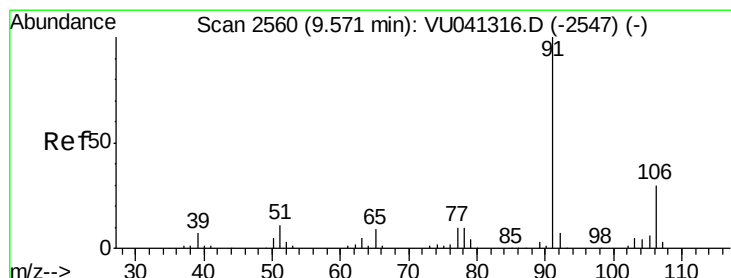
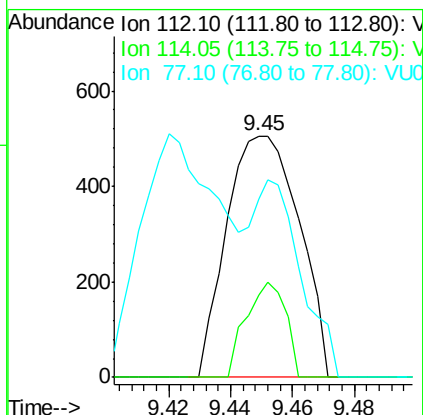
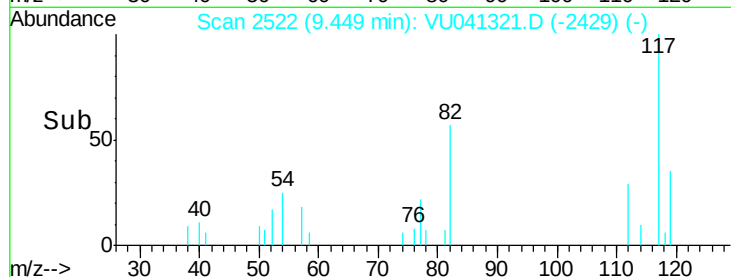
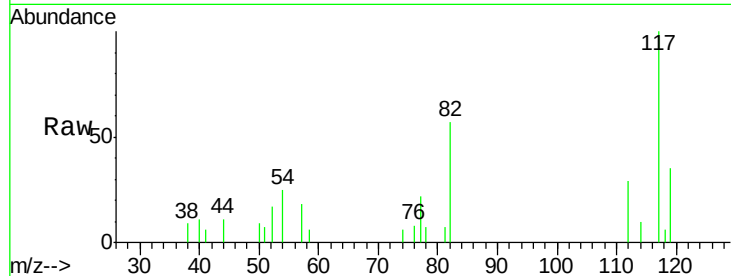




#51
Chlorobenzene
Concen: 0.067 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041321.D
Acq: 18 Nov 2020 19:02

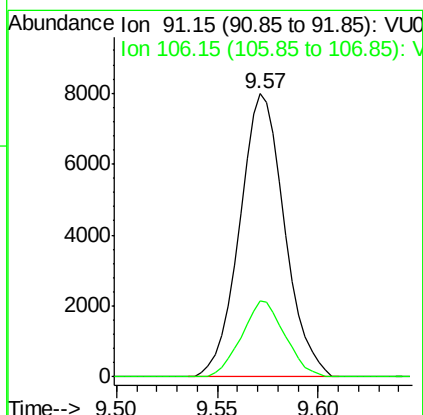
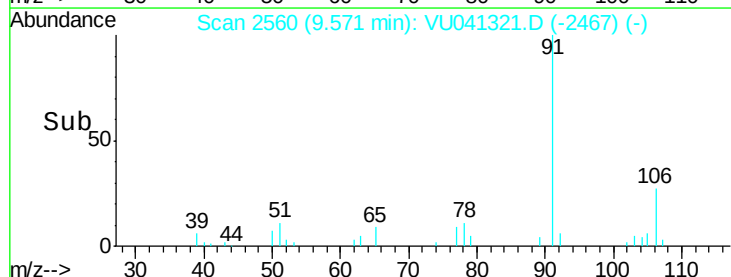
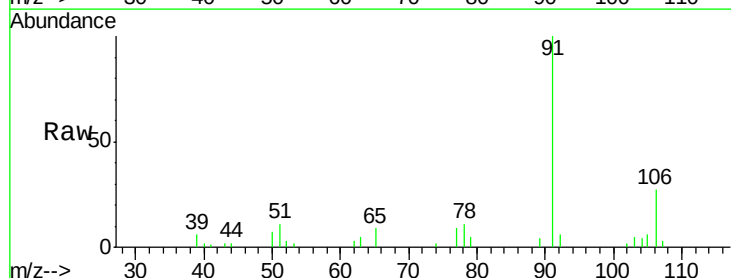
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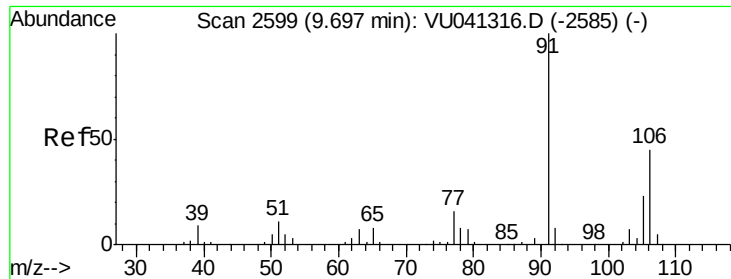
Tot Ion:112 Resp: 825
Ion Ratio Lower Upper
112 100
114 34.2 22.4 41.6
77 73.7 51.2 76.8



#52
Ethylbenzene
Concen: 0.631 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041321.D
Acq: 18 Nov 2020 19:02

Tgt Ion: 91 Resp: 12446
Ion Ratio Lower Upper
91 100
106 26.9 21.0 39.0





#53

m,p-Xylene

Concen: 1.436 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041321.D

Acq: 18 Nov 2020 19:02

Instrument :

MSVOA_U

ClientSampled :

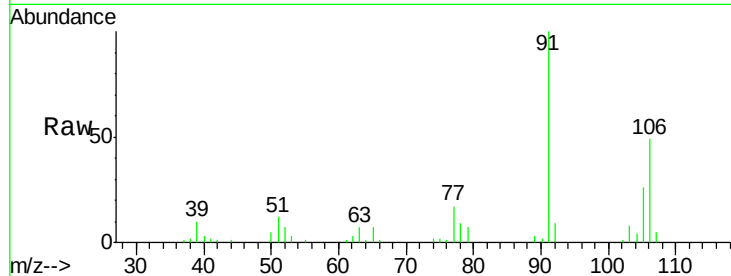
H4390

Tot Ion:106 Resp: 10226

Ion Ratio Lower Upper

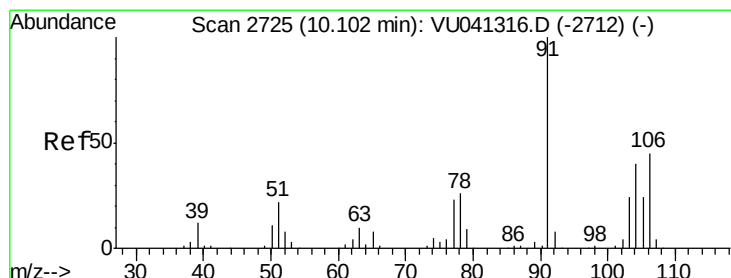
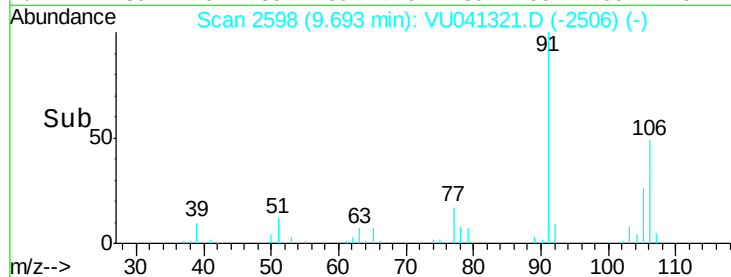
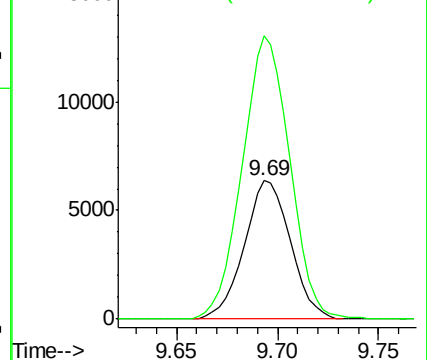
106 100

91 204.3 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.814 ug/L

RT: 10.10 min Scan# 2726

Delta R.T. 0.00 min

Lab File: VU041321.D

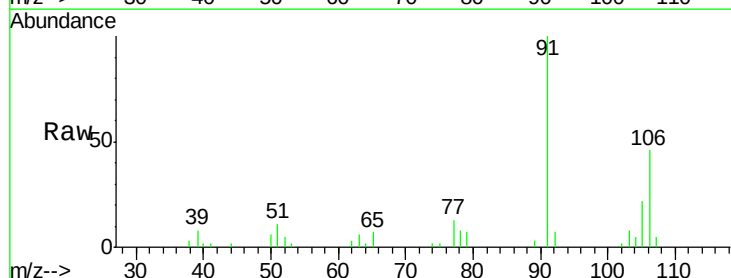
Acq: 18 Nov 2020 19:02

Tgt Ion:106 Resp: 5584

Ion Ratio Lower Upper

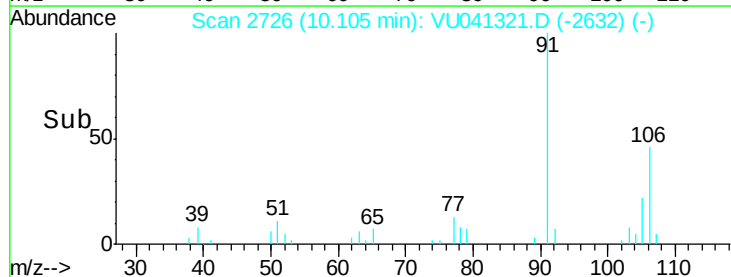
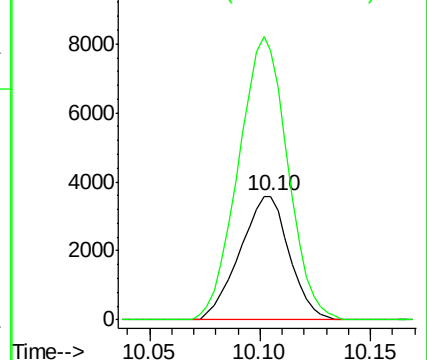
106 100

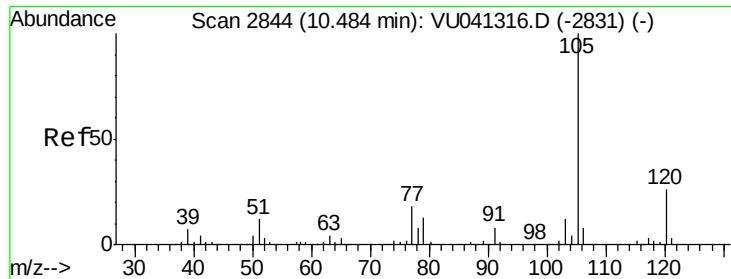
91 217.3 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.085 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041321.D

Acq: 18 Nov 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

H4390

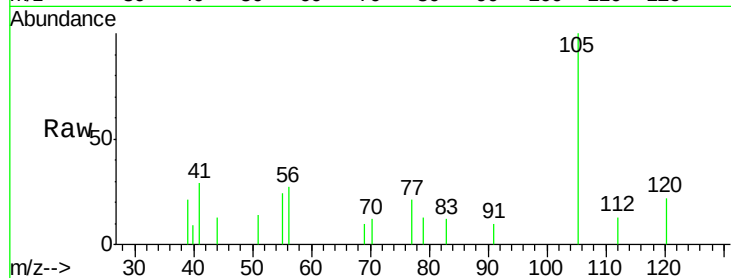
Tot Ion:105 Resp: 1542

Ion Ratio Lower Upper

105 100

120 17.5 20.7 31.1#

77 14.4 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): VU

