

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041322.D
 Acq On : 18 Nov 2020 19:25
 Operator : SY/MD
 Sample : L4790-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4391

Quant Time: Nov 19 01:17:12 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	6.26	114	60591	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	63195	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28469	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.59	65	19696	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.91	69	17698	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.57	63	31745	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.75	46	65779	35.79	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.58%
24) Chloroform-d	5.08	84	47601	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	29350	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.74	84	80107	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.70	67	28351	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.90	98	66472	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.19	79	11111	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.65	63	56754	42.05	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25118	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	28369	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

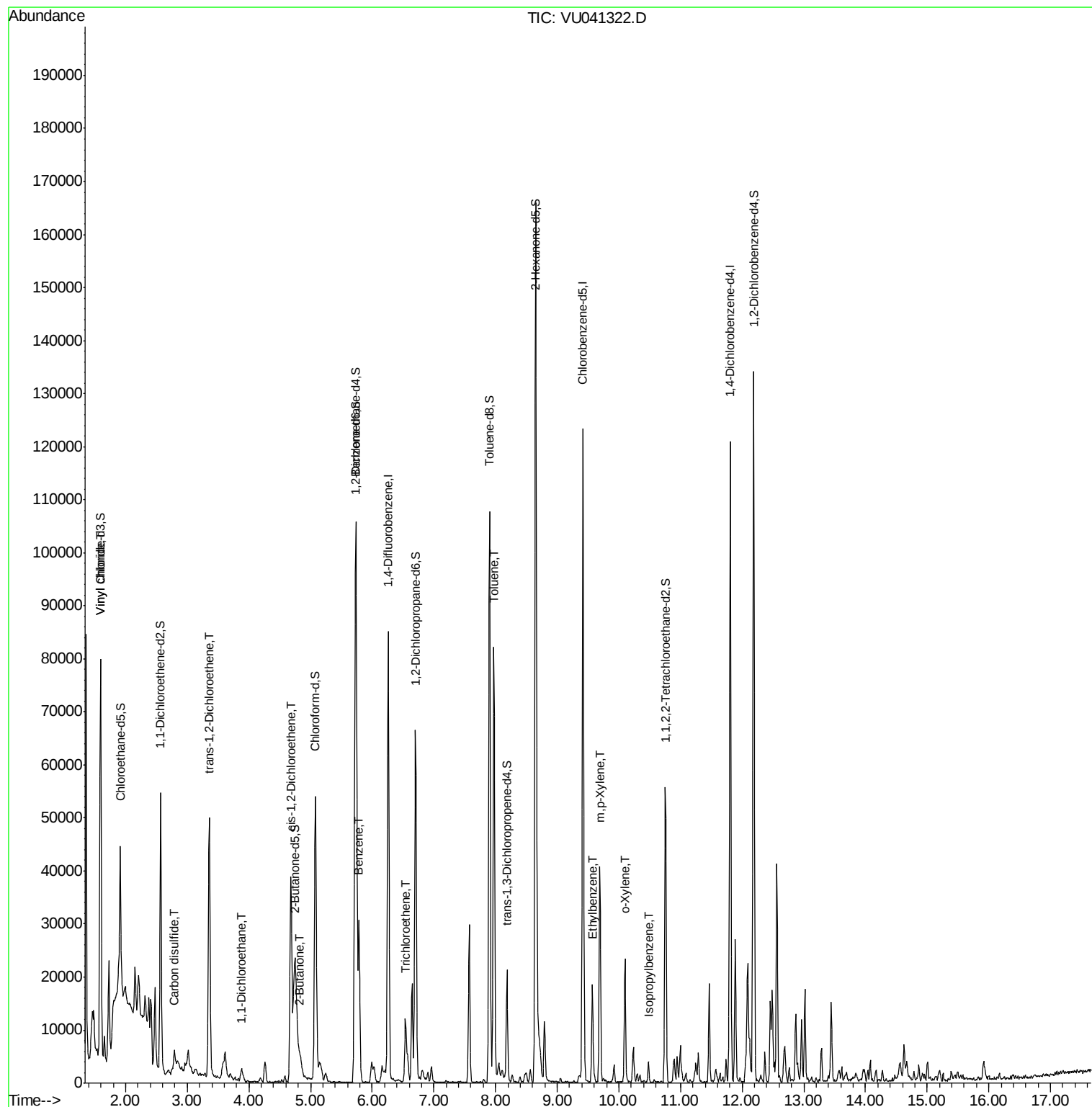
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.60	62	24959	4.745	ug/L	93
14) Carbon disulfide	2.79	76	3398	0.293	ug/L #	88
18) trans-1,2-Dichloroethene	3.36	96	17472	4.548	ug/L	99
19) 1,1-Dichloroethane	3.88	63	3049	0.355	ug/L #	84
21) 2-Butanone	4.83	43	7855	4.244	ug/L #	59
22) cis-1,2-Dichloroethene	4.68	96	18830	4.340	ug/L	98
33) Benzene	5.78	78	26594	1.553	ug/L	100
34) Trichloroethene	6.55	95	2039	0.441	ug/L	90
42) Toluene	7.97	91	53994	2.950	ug/L	96
52) Ethylbenzene	9.57	91	11689	0.598	ug/L	95
53) m,p-Xylene	9.69	106	10195	1.443	ug/L	94
54) o-Xylene	10.10	106	5425	0.797	ug/L	98
56) Isopropylbenzene	10.48	105	1526	0.085	ug/L #	86

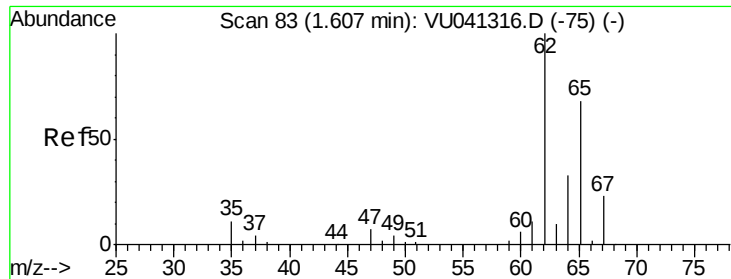
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.745 ug/L

RT: 1.60 min Scan# 81

Delta R.T. -0.01 min

Lab File: VU041322.D

Acq: 18 Nov 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

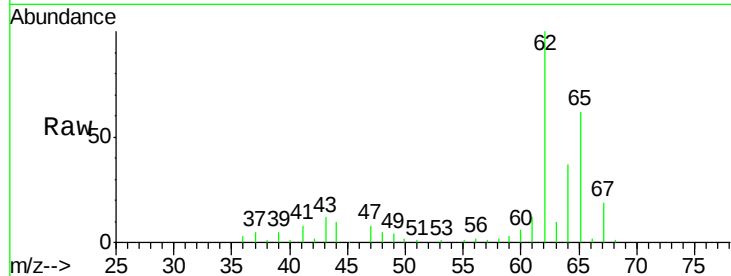
H4391

Tot Ion: 62 Resp: 24959

Ion Ratio Lower Upper

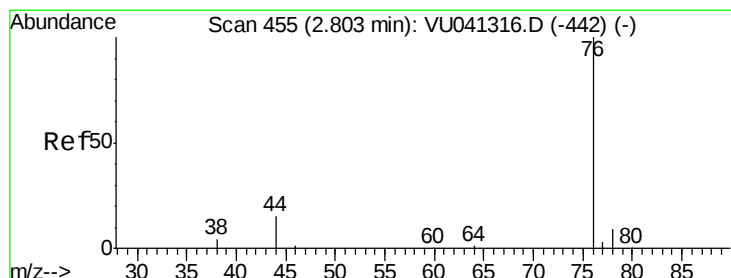
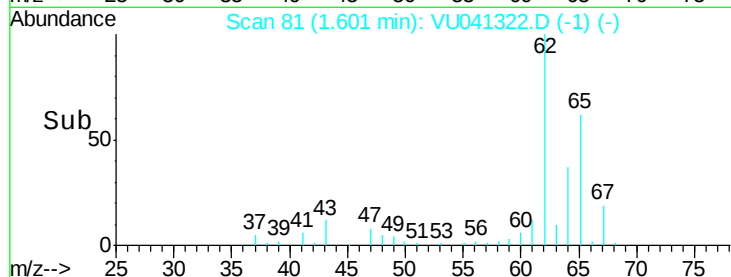
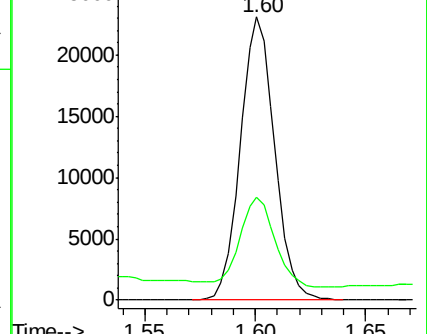
62 100

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



#14

Carbon disulfide

Concen: 0.293 ug/L

RT: 2.79 min Scan# 451

Delta R.T. -0.01 min

Lab File: VU041322.D

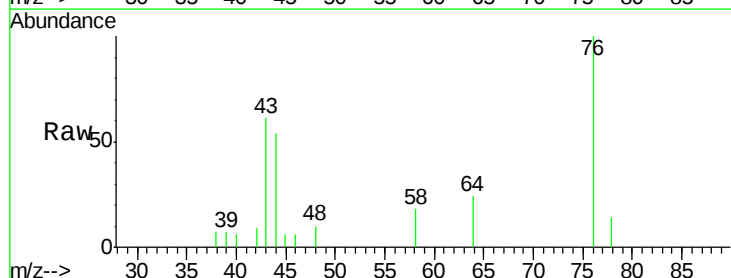
Acq: 18 Nov 2020 19:25

Tgt Ion: 76 Resp: 3398

Ion Ratio Lower Upper

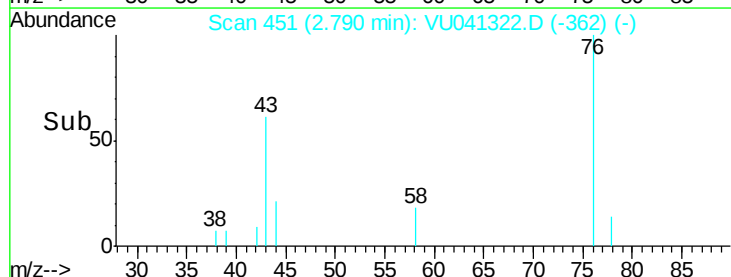
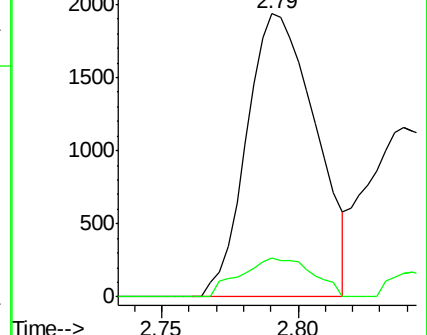
76 100

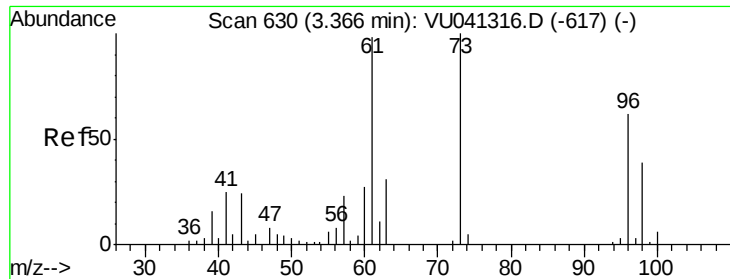
78 13.6 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

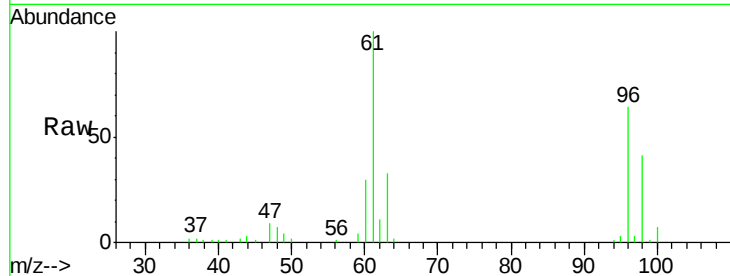




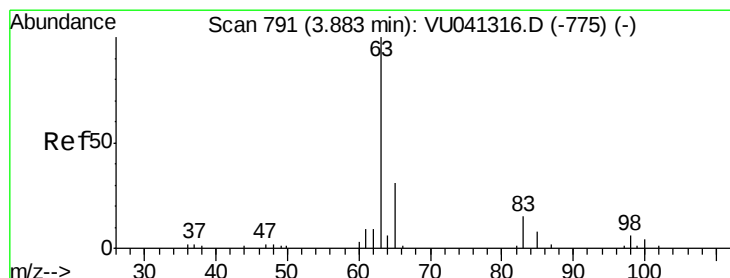
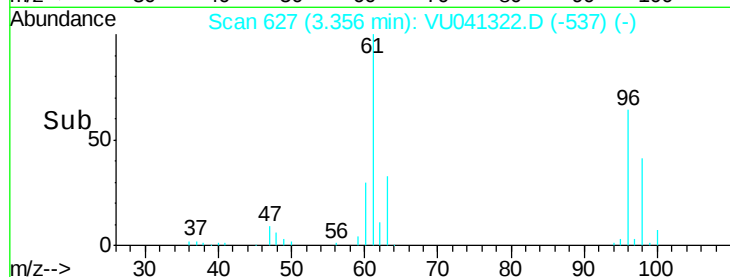
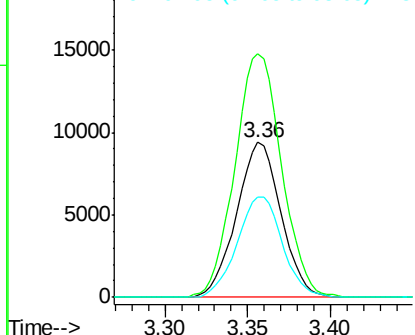
#18
trans-1,2-Dichloroethene
Concen: 4.548 ug/L
RT: 3.36 min Scan# 627
Delta R.T. -0.01 min
Lab File: VU041322.D
Acq: 18 Nov 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
H4391

Tot Ion: 96 Resp: 17472
Ion Ratio Lower Upper
96 100
61 156.9 110.9 205.9
98 64.9 45.4 84.2

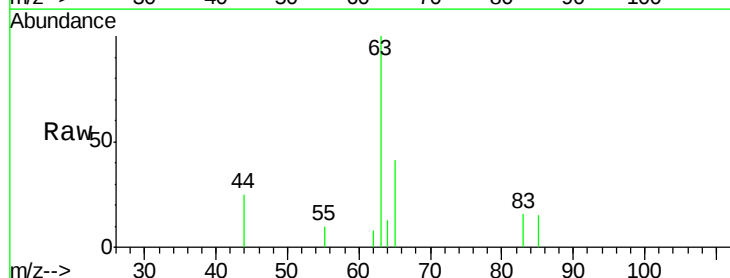


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

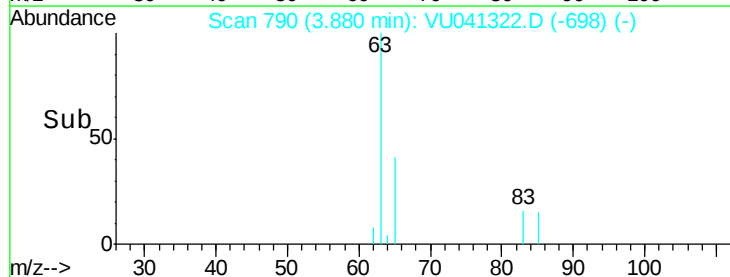
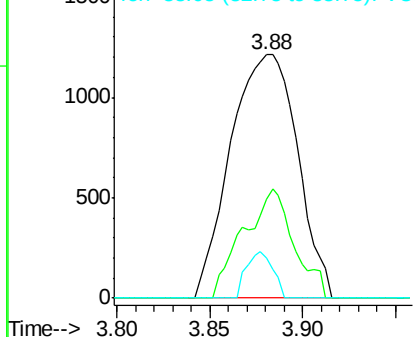


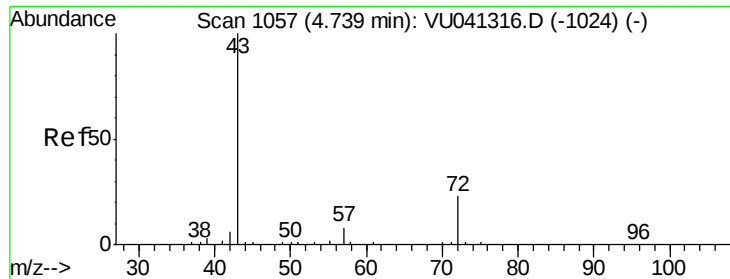
#19
1,1-Dichloroethane
Concen: 0.355 ug/L
RT: 3.88 min Scan# 790
Delta R.T. -0.00 min
Lab File: VU041322.D
Acq: 18 Nov 2020 19:25

Tgt Ion: 63 Resp: 3049
Ion Ratio Lower Upper
63 100
65 40.9 21.3 39.6#
83 16.3 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: 4.244 ug/L

RT: 4.83 min Scan# 1085

Delta R.T. 0.09 min

Lab File: VU041322.D

Acq: 18 Nov 2020 19:25

Instrument :

MSVOA_U

ClientSampled :

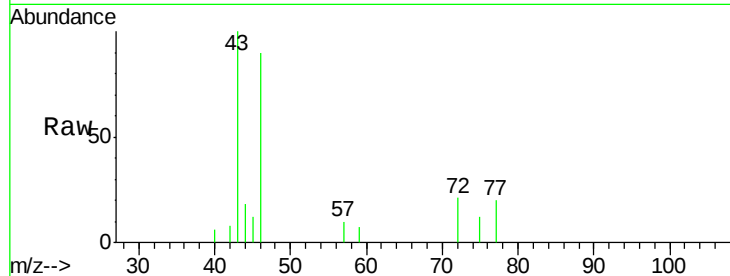
H4391

Tot Ion: 43 Resp: 7855

Ion Ratio Lower Upper

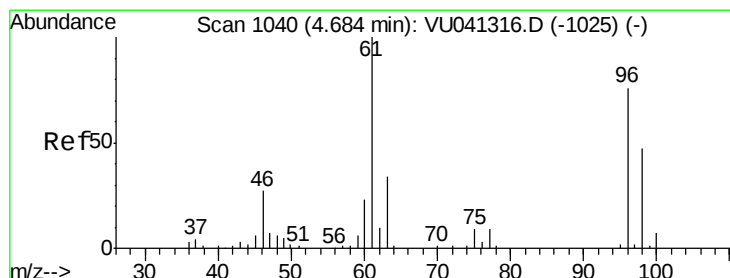
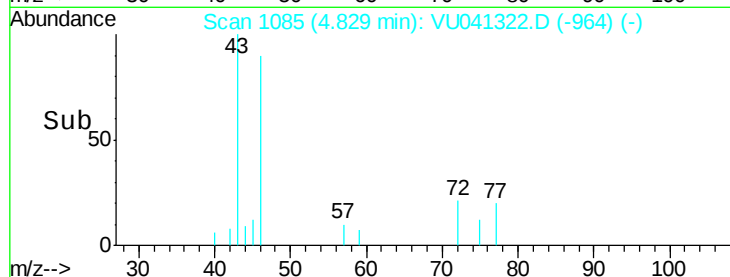
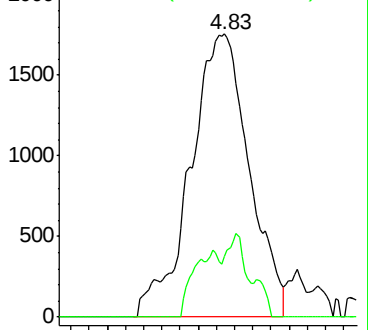
43 100

72 3.3 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: 4.340 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041322.D

Acq: 18 Nov 2020 19:25

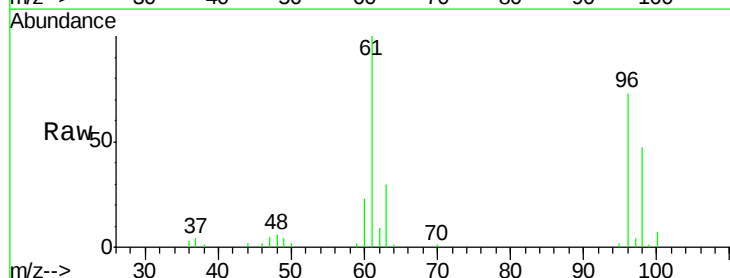
Tgt Ion: 96 Resp: 18830

Ion Ratio Lower Upper

96 100

61 136.2 97.2 180.4

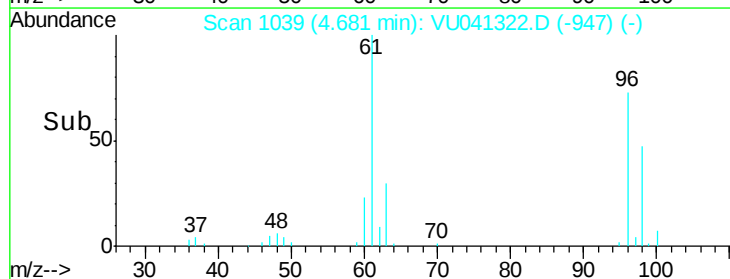
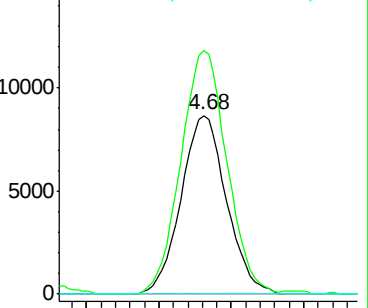
68 0.0 0.0 0.0

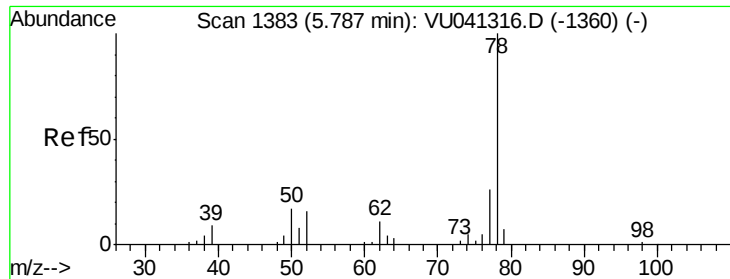


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 1.553 ug/L

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU041322.D

Acq: 18 Nov 2020 19:25

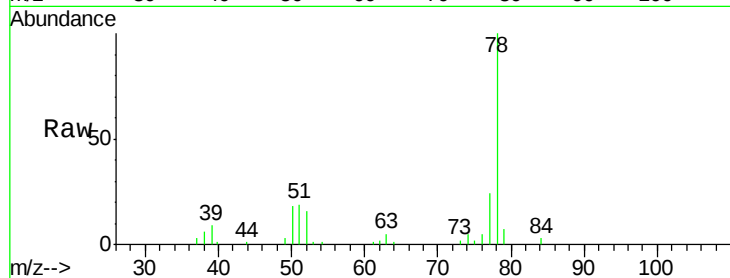
Instrument :

MSVOA_U

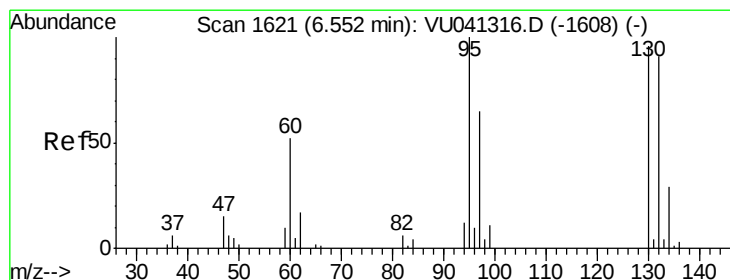
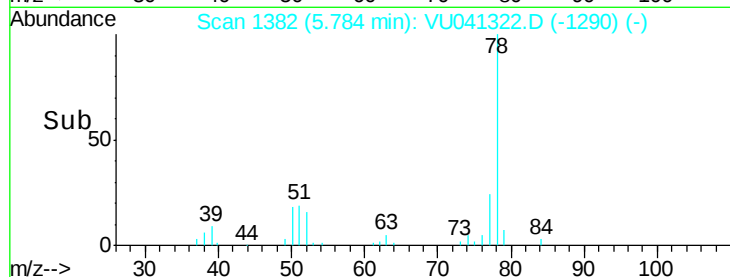
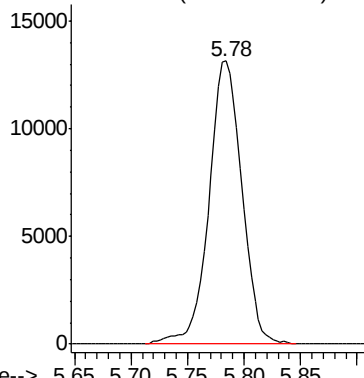
ClientSampleId :

H4391

Tgt Ion: 78 Resp: 26594



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.441 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041322.D

Acq: 18 Nov 2020 19:25

Tgt Ion: 95 Resp: 2039

Ion	Ratio	Lower	Upper
95	100		
97	61.2	45.6	84.6
132	74.7	64.8	120.4
130	88.0	64.8	120.4

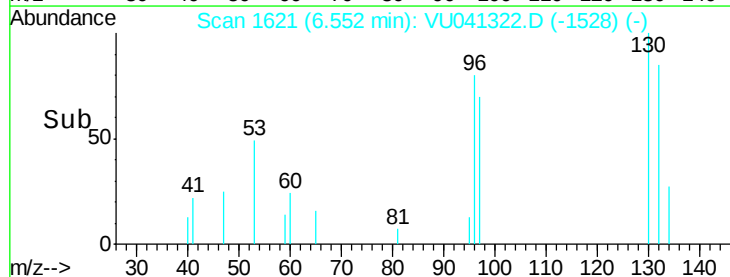
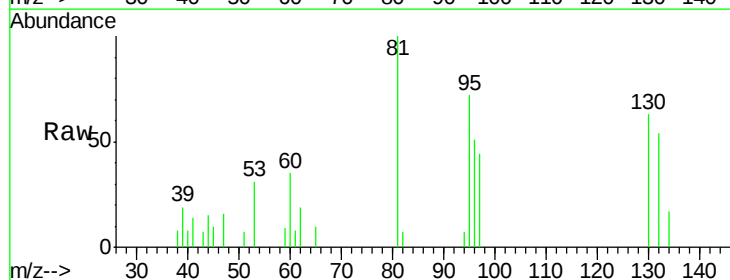
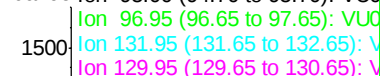
Ion 95.00 (94.70 to 95.70): VU0

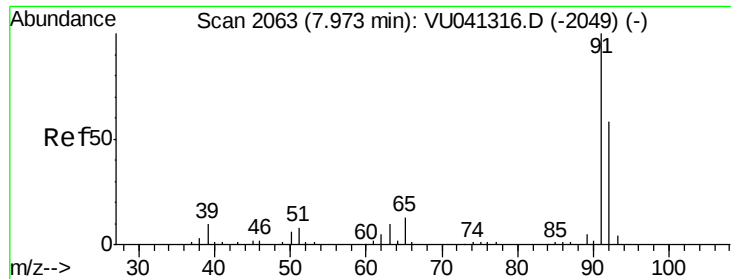
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VU0





#42

Toluene

Concen: 2.950 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041322.D

Acq: 18 Nov 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

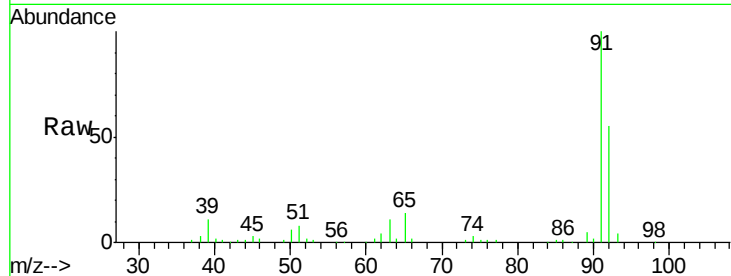
H4391

Tot Ion: 91 Resp: 53994

Ion Ratio Lower Upper

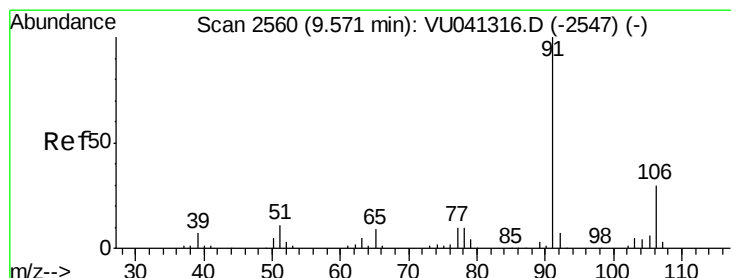
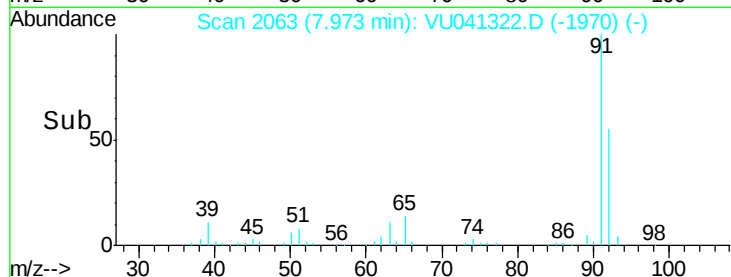
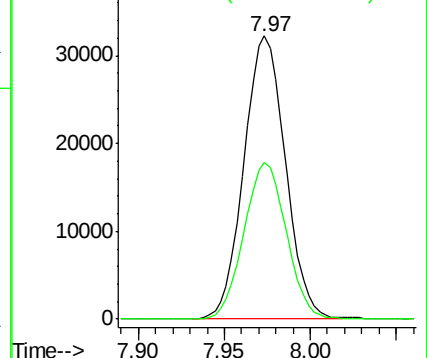
91 100

92 55.1 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#52

Ethylbenzene

Concen: 0.598 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041322.D

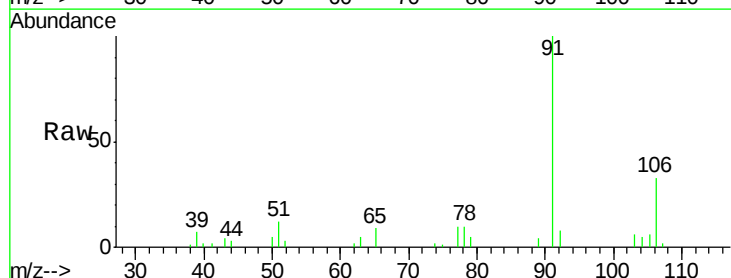
Acq: 18 Nov 2020 19:25

Tgt Ion: 91 Resp: 11689

Ion Ratio Lower Upper

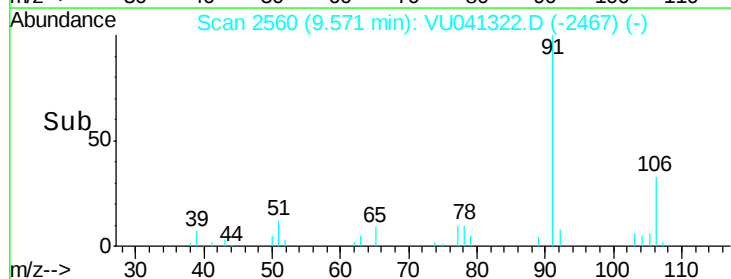
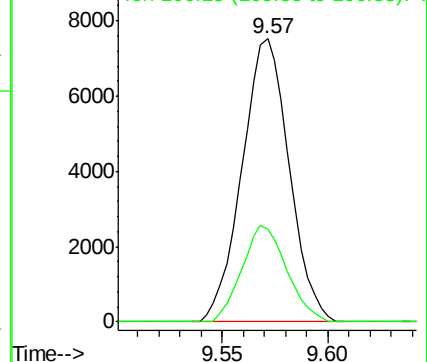
91 100

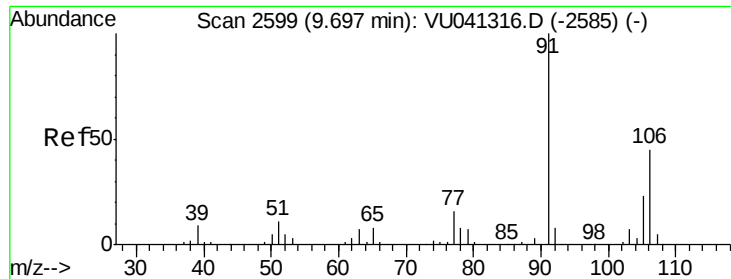
106 32.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 1.443 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.01 min

Lab File: VU041322.D

Acq: 18 Nov 2020 19:25

Instrument :

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ClientSampleId :

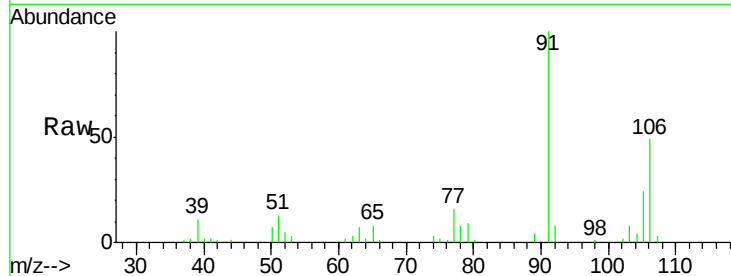
H4391

Tot Ion:106 Resp: 10195

Ion Ratio Lower Upper

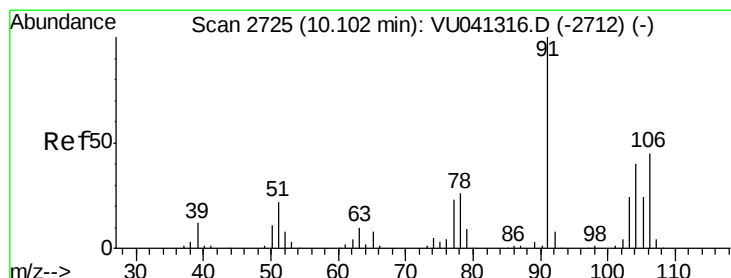
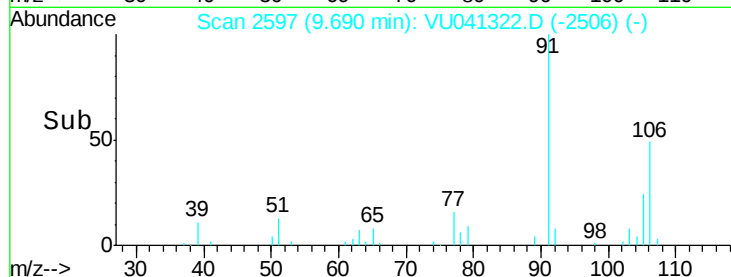
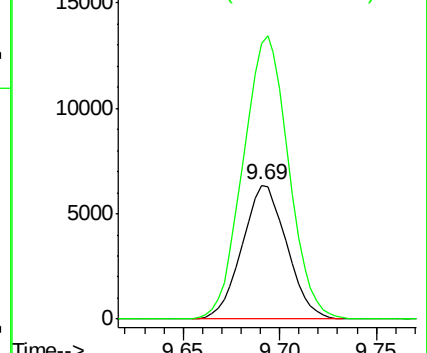
106 100

91 205.6 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.797 ug/L

RT: 10.10 min Scan# 2723

Delta R.T. -0.01 min

Lab File: VU041322.D

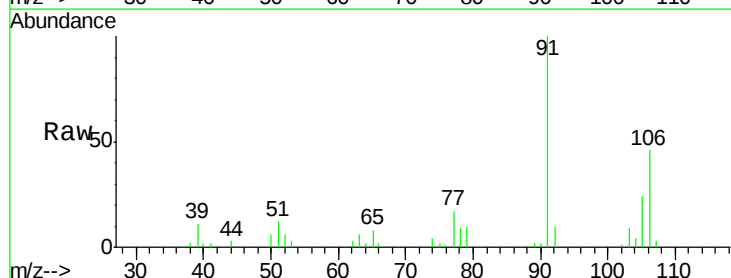
Acq: 18 Nov 2020 19:25

Tgt Ion:106 Resp: 5425

Ion Ratio Lower Upper

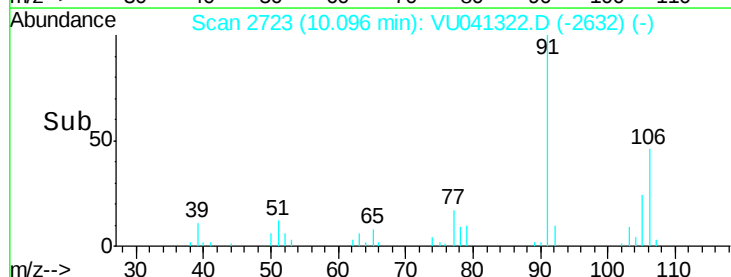
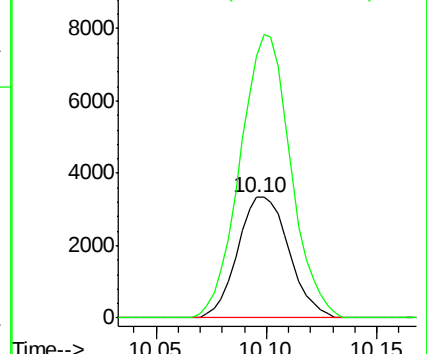
106 100

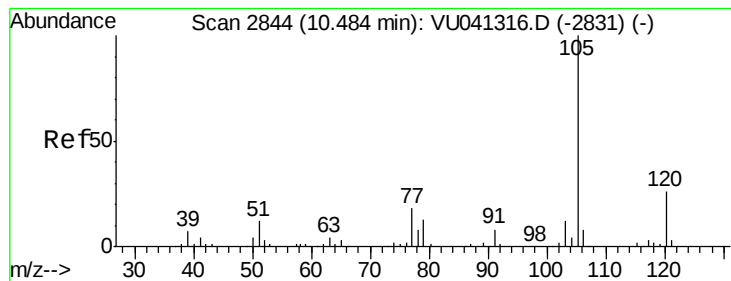
91 217.3 154.3 286.5



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: VU041322.D

Acq: 18 Nov 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

H4391

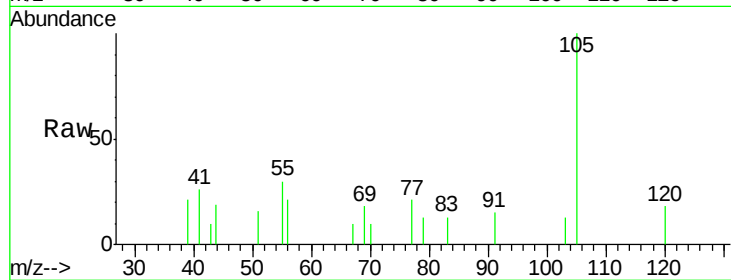
Tot Ion:105 Resp: 1526

Ion Ratio Lower Upper

105 100

120 15.8 20.7 31.1#

77 19.3 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

