

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080620\
 Data File : VU039771.D
 Acq On : 06 Aug 2020 21:26
 Operator : SY/MD
 Sample : L3590-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4L17

Quant Time: Aug 07 05:32:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 07 04:28:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	83906	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	80911	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38658	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23039	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.92	69	23129	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.57	63	40136	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.71	46	90136	45.23	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.46%
24) Chloroform-d	5.08	84	54714	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.72	65	31466	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.74	84	97764	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.71	67	33695	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.90	98	79334	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.19	79	11298	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.65	63	69732	50.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.96%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	30421	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	35546	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

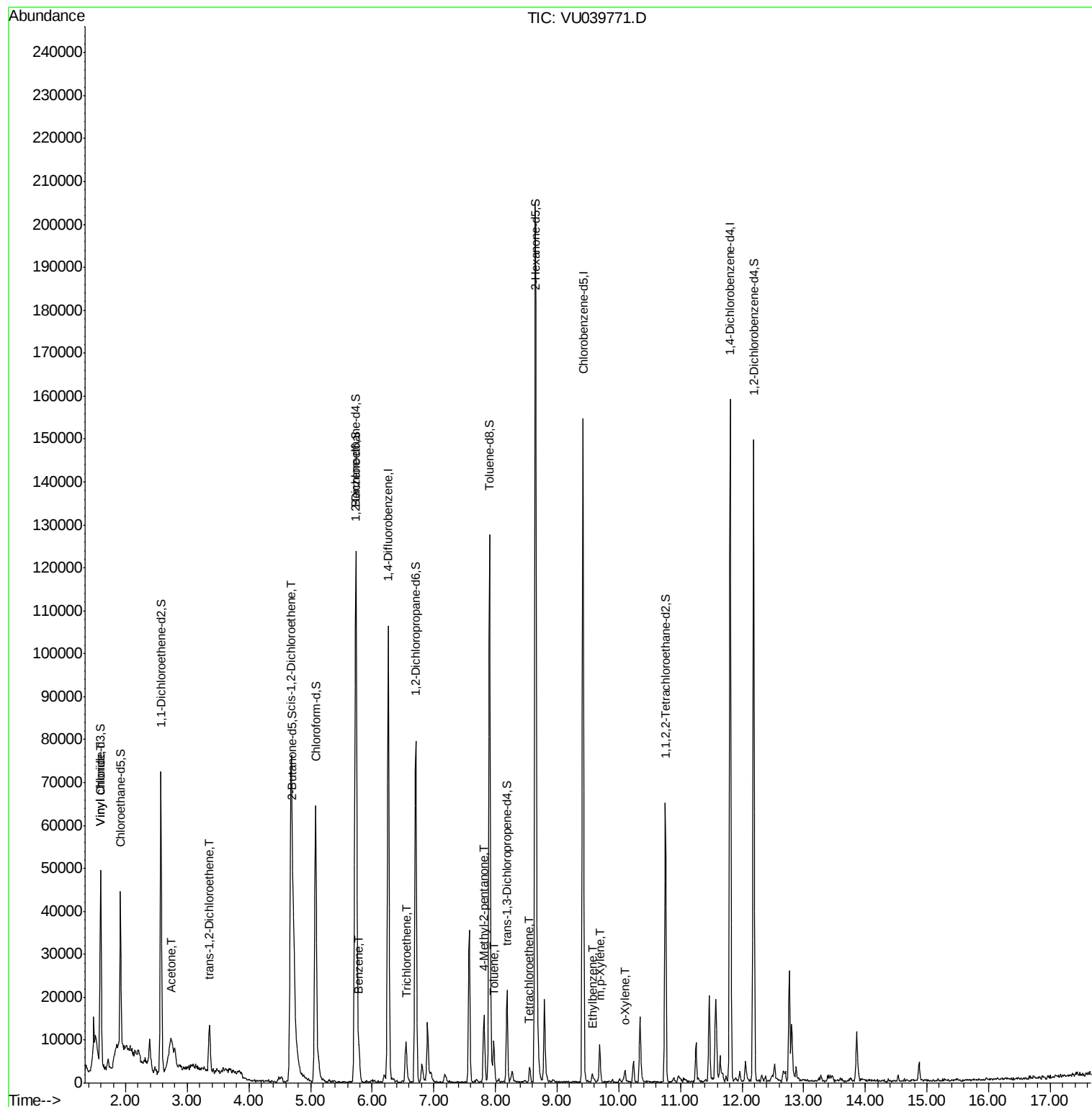
					Qvalue
5) Vinyl chloride	1.60	62	6380	0.935	ug/L 87
13) Acetone	2.73	43	22284	18.968	ug/L 84
18) trans-1,2-Dichloroethene	3.36	96	3489	0.626	ug/L 84
22) cis-1,2-Dichloroethene	4.68	96	32738	5.402	ug/L 98
33) Benzene	5.78	78	7323	0.332	ug/L 100
34) Trichloroethene	6.55	95	2258	0.394	ug/L 97
40) 4-Methyl-2-pentanone	7.81	43	12061	2.756	ug/L 99
42) Toluene	7.97	91	6426	0.277	ug/L 92
47) Tetrachloroethene	8.56	164	821	0.174	ug/L # 85
52) Ethylbenzene	9.57	91	1837	0.071	ug/L 95
53) m,p-Xylene	9.69	106	2593	0.263	ug/L 96
54) o-Xylene	10.10	106	798	0.083	ug/L 78

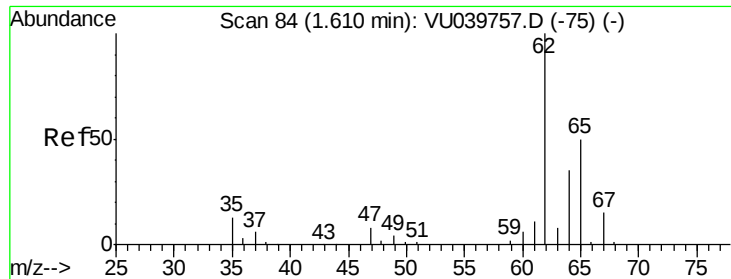
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.935 ug/L

RT: 1.60 min Scan# 82

Delta R.T. -0.01 min

Lab File: VU039771.D

Acq: 06 Aug 2020 21:26

Instrument :

MSVOA_U

ClientSampled :

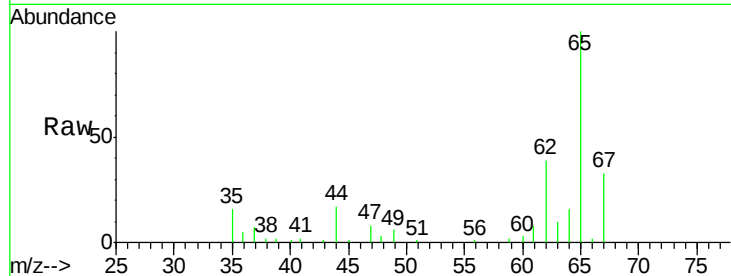
F4L17

Tgt Ion: 62 Resp: 6380

Ion Ratio Lower Upper

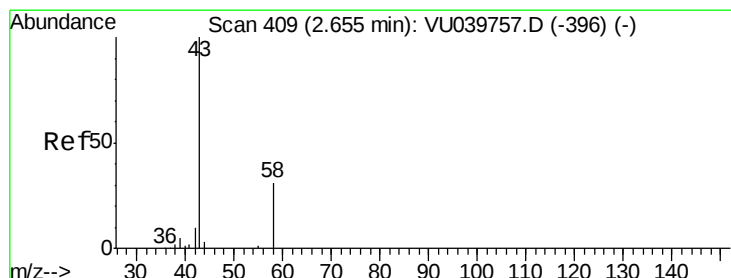
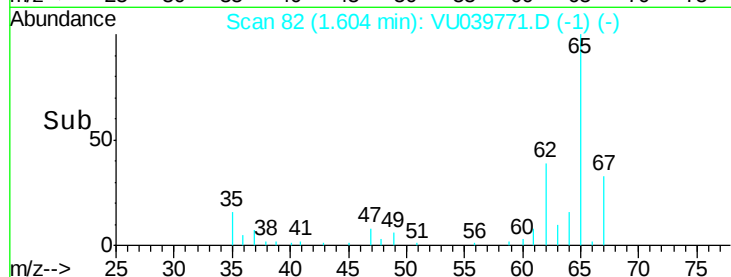
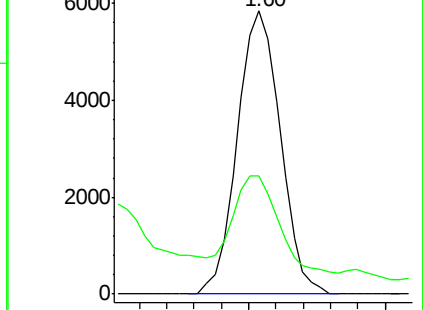
62 100

64 41.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039771.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039771.D (-1) (-)



#13

Acetone

Concen: 18.968 ug/L

RT: 2.73 min Scan# 432

Delta R.T. 0.07 min

Lab File: VU039771.D

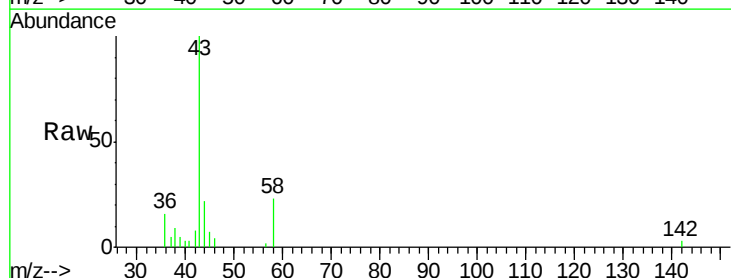
Acq: 06 Aug 2020 21:26

Tgt Ion: 43 Resp: 22284

Ion Ratio Lower Upper

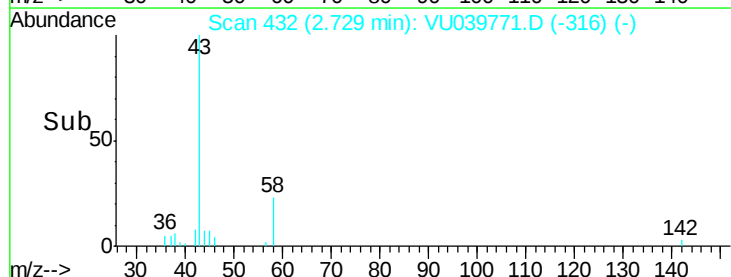
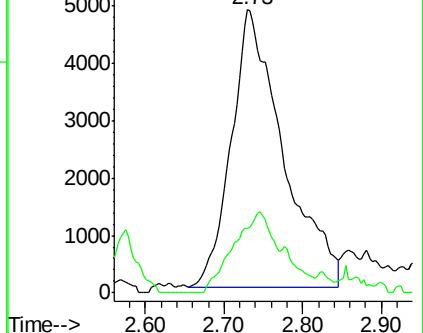
43 100

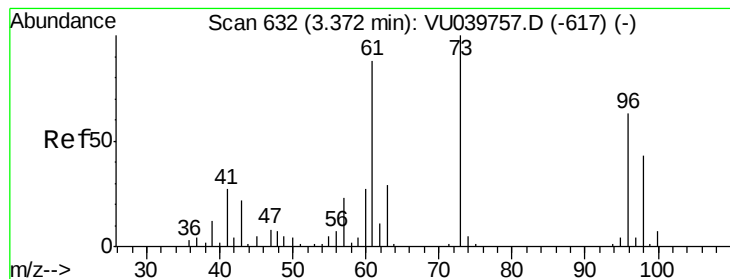
58 22.1 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039771.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU039771.D (-316) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.626 ug/L

RT: 3.36 min Scan# 627

Delta R.T. -0.02 min

Lab File: VU039771.D

Acq: 06 Aug 2020 21:26

Instrument :

MSVOA_U

ClientSampleId :

F4L17

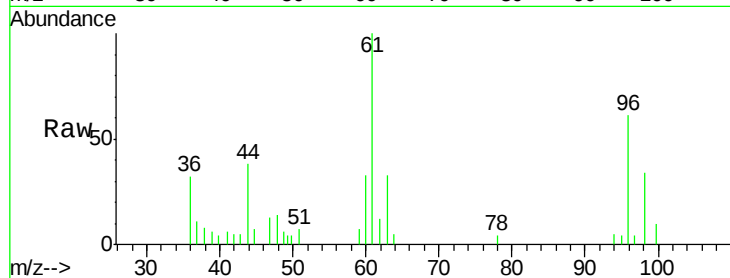
Tgt Ion: 96 Resp: 3489

Ion Ratio Lower Upper

96 100

61 164.4 96.5 179.1

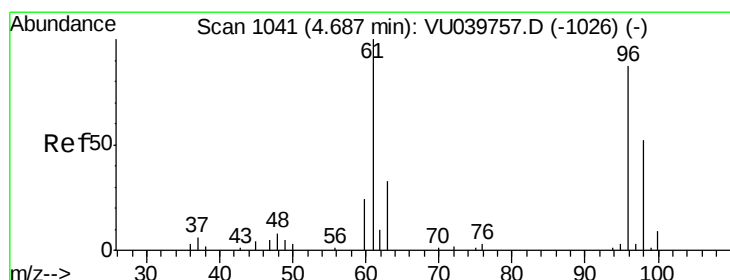
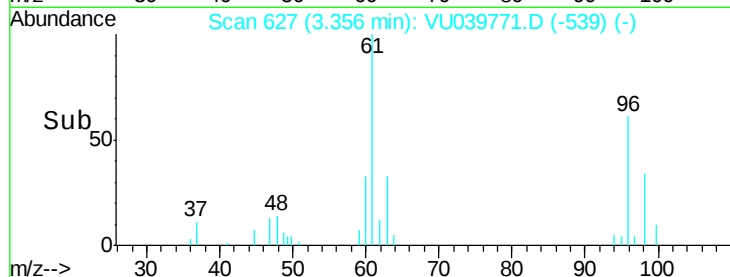
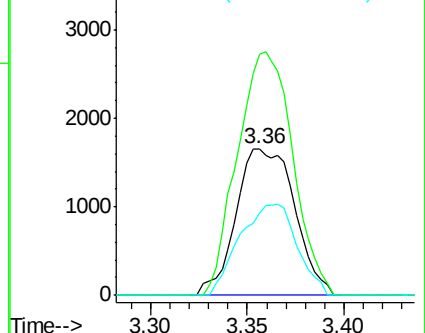
98 56.4 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU039771.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU039771.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU039771.D (-539) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.402 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU039771.D

Acq: 06 Aug 2020 21:26

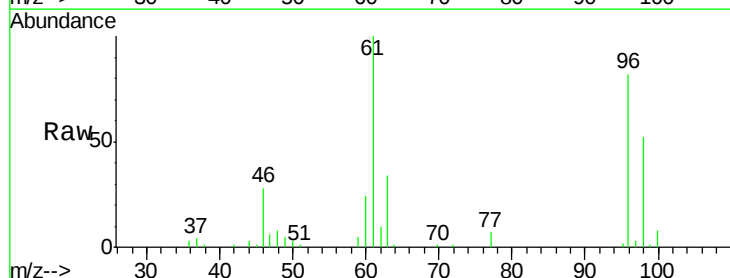
Tgt Ion: 96 Resp: 32738

Ion Ratio Lower Upper

96 100

61 122.0 87.4 162.2

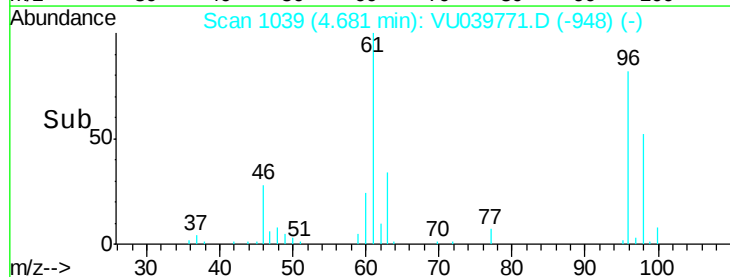
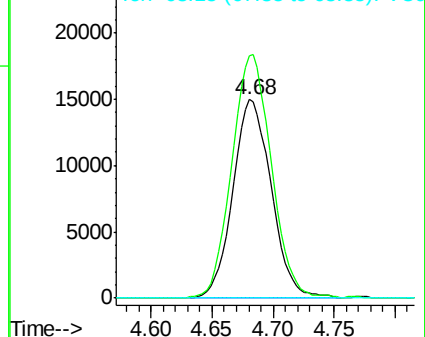
68 0.0 0.0 0.0

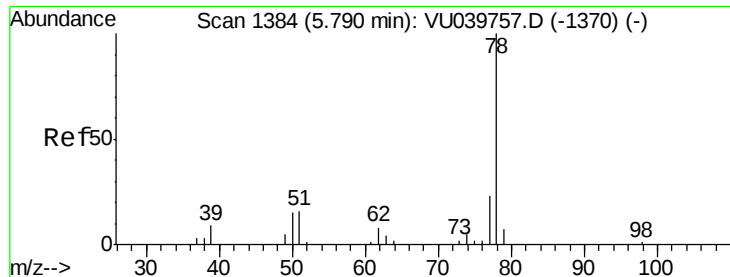


Abundance Ion 96.00 (95.70 to 96.70): VU039771.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039771.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039771.D (-948) (-)





#33

Benzene

Concen: 0.332 ug/L

RT: 5.78 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VU039771.D

Acq: 06 Aug 2020 21:26

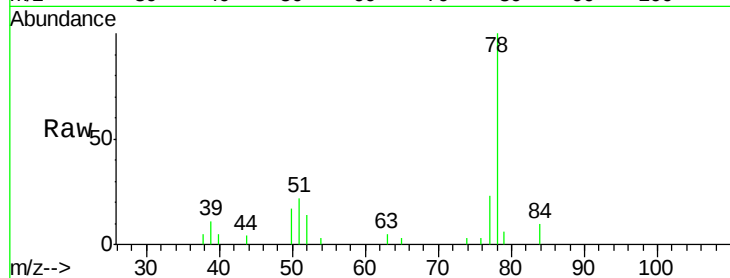
Instrument :

MSVOA_U

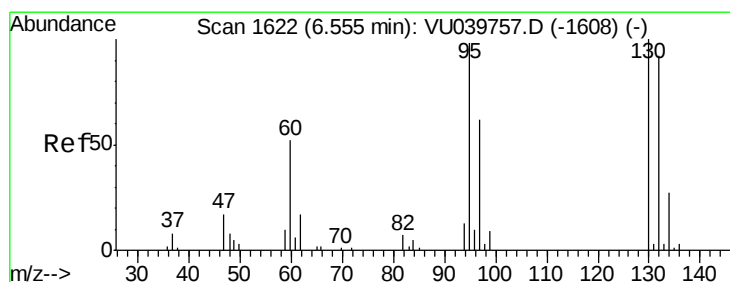
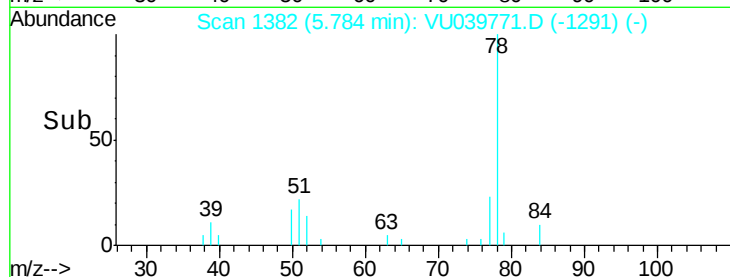
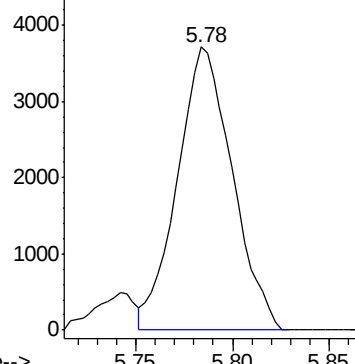
ClientSampled :

F4L17

Tgt Ion: 78 Resp: 7323



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.394 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VU039771.D

Acq: 06 Aug 2020 21:26

Tgt Ion: 95 Resp: 2258

Ion	Ratio	Lower	Upper
95	100		
97	62.4	44.0	81.8
132	98.4	71.7	133.3
130	105.1	71.1	132.1

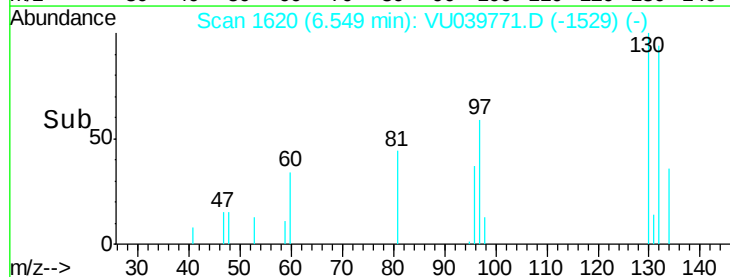
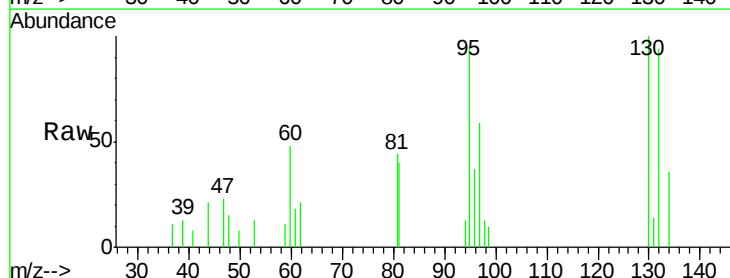
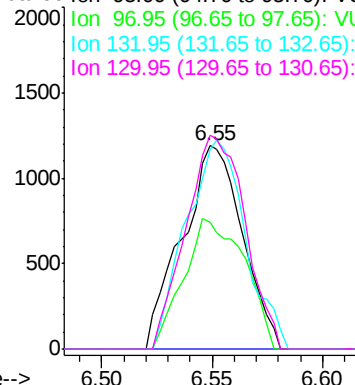
Ion 95.00 (94.70 to 95.70): VU0

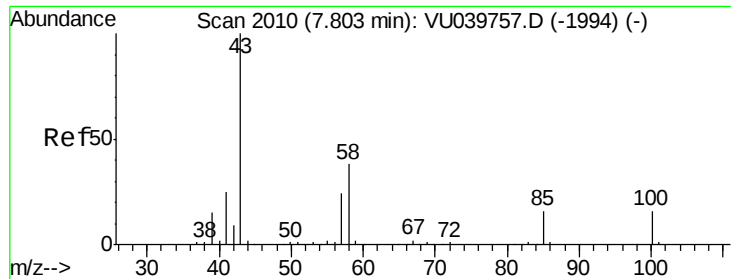
Ion 96.95 (96.65 to 97.65): VU0

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

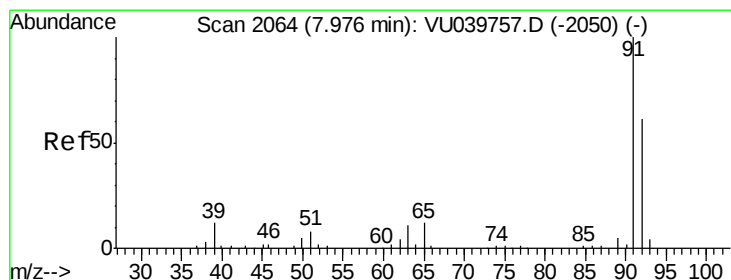
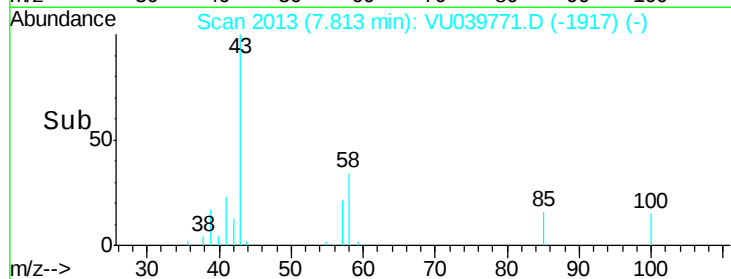
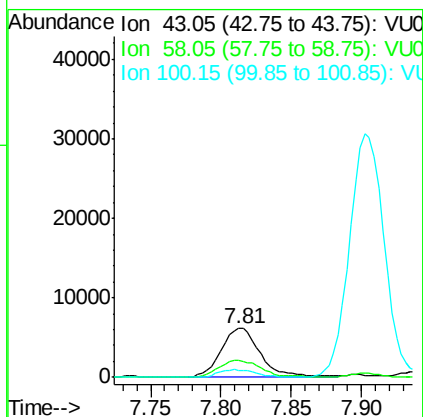
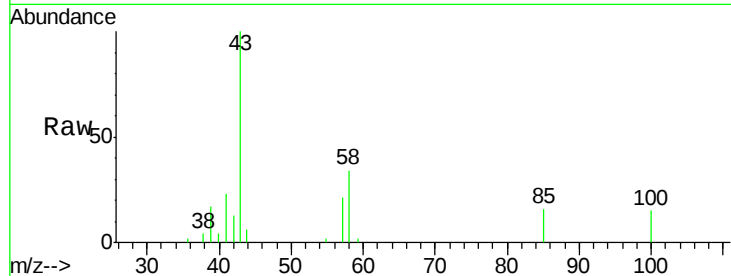




#40
 4-Methyl-2-pentanone
 Concen: 2.756 ug/L
 RT: 7.81 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: VU039771.D
 Acq: 06 Aug 2020 21:26

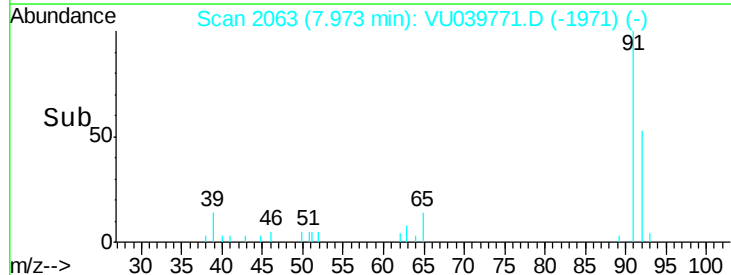
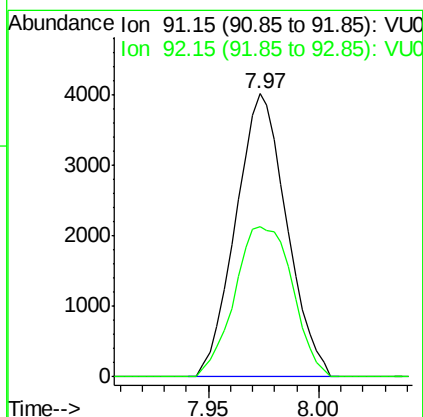
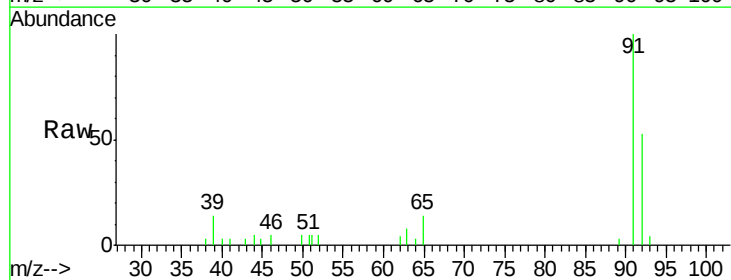
Instrument :
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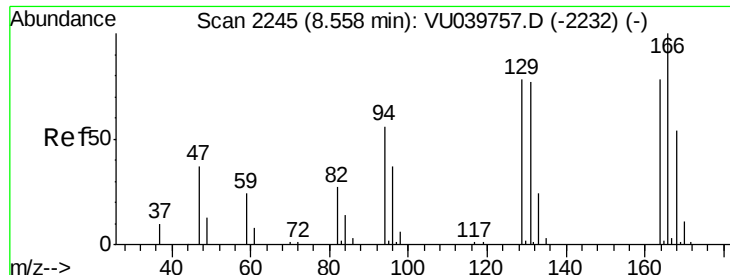
Tgt Ion: 43 Resp: 12061
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.4 44.2
 100 14.1 11.7 17.5



#42
 Toluene
 Concen: 0.277 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VU039771.D
 Acq: 06 Aug 2020 21:26

Tgt Ion: 91 Resp: 6426
 Ion Ratio Lower Upper
 91 100
 92 53.1 41.6 77.3

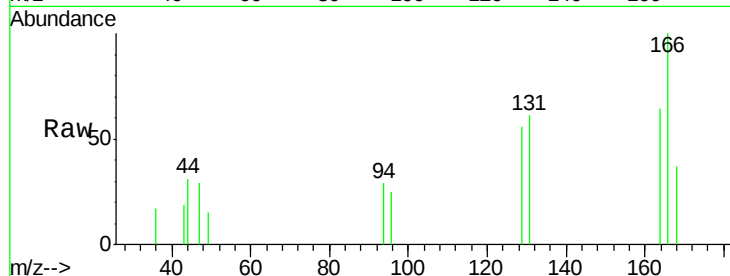




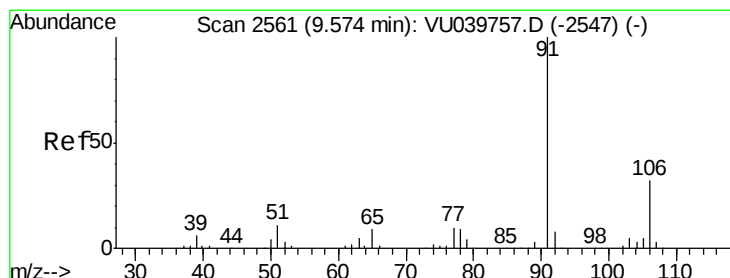
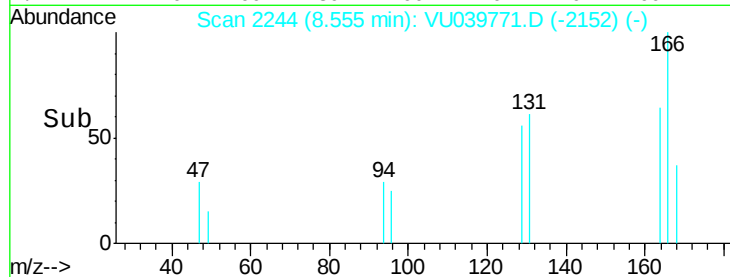
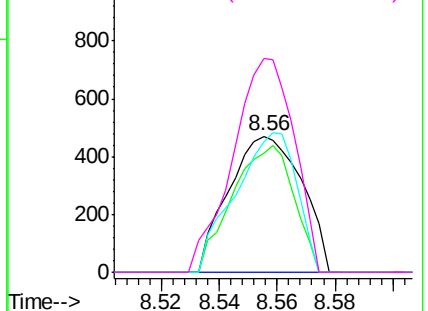
#47
Tetrachloroethene
Concen: 0.174 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU039771.D
Acq: 06 Aug 2020 21:26

Instrument :
MSVOA_U
ClientSampleId :
F4L17

Tgt Ion:164 Resp: 821
Ion Ratio Lower Upper
164 100
129 87.7 65.9 122.5
131 95.7 68.1 126.5
166 157.2 84.5 156.9#

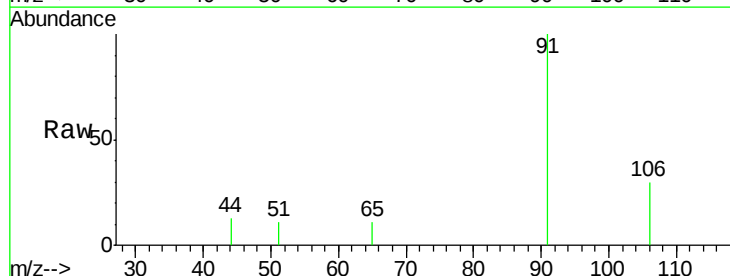


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

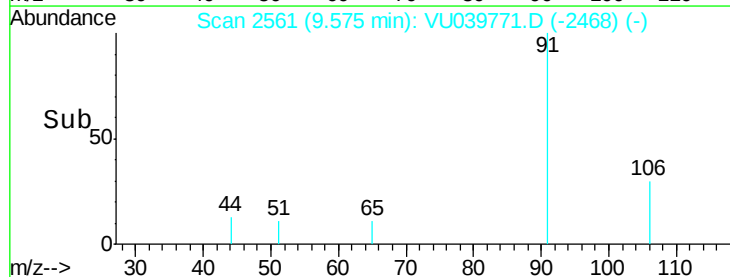
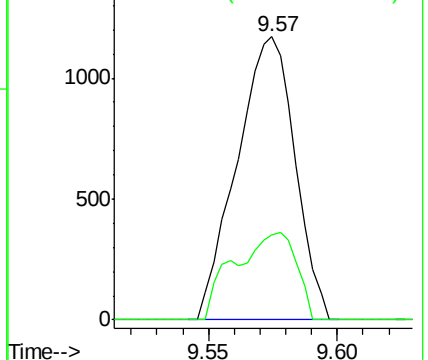


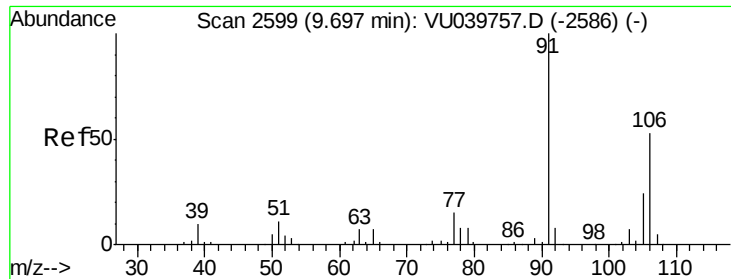
#52
Ethylbenzene
Concen: 0.071 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU039771.D
Acq: 06 Aug 2020 21:26

Tgt Ion: 91 Resp: 1837
Ion Ratio Lower Upper
91 100
106 29.8 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 106.15 (105.85 to 106.85): V

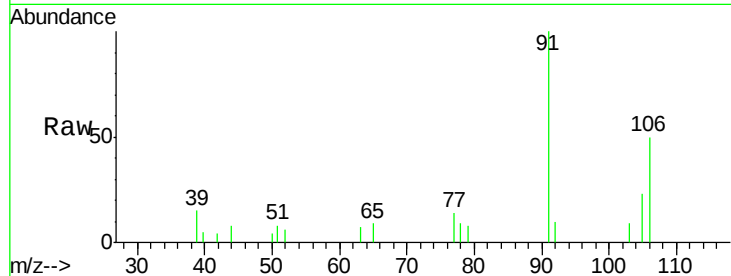




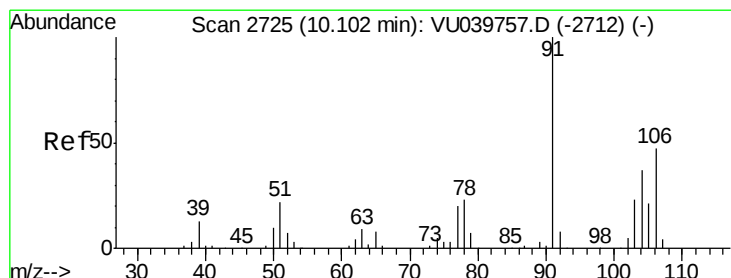
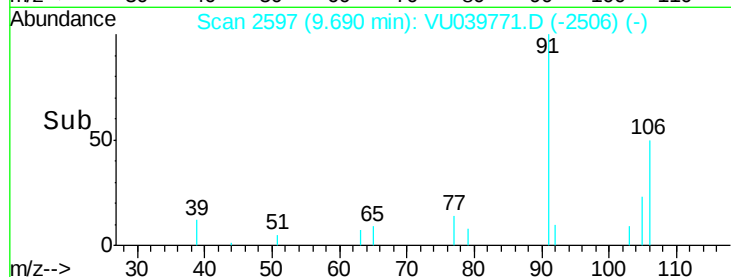
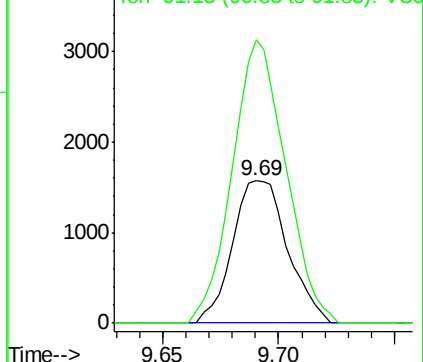
#53
m,p-Xylene
Concen: 0.263 ug/L
RT: 9.69 min Scan# 2597
Delta R.T. -0.01 min
Lab File: VU039771.D
Acq: 06 Aug 2020 21:26

Instrument :
MSVOA_U
ClientSampleId :
F4L17

Tgt Ion:106 Resp: 2593
Ion Ratio Lower Upper
106 100
91 198.9 135.5 251.7

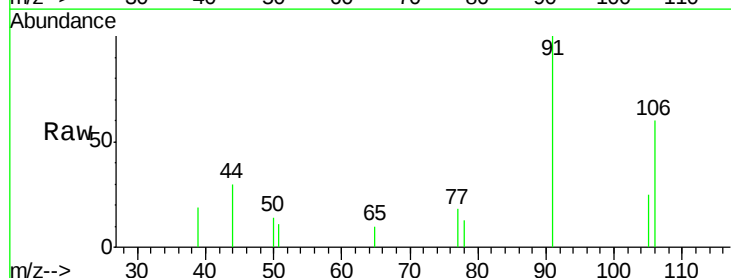


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0



#54
o-Xylene
Concen: 0.083 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039771.D
Acq: 06 Aug 2020 21:26

Tgt Ion:106 Resp: 798
Ion Ratio Lower Upper
106 100
91 167.9 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

