

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062620\
 Data File : VU039175.D
 Acq On : 26 Jun 2020 19:16
 Operator : SY/MD
 Sample : L3121-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F01

Quant Time: Jun 27 02:11:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 23:52:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	240987	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	249551	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	118658	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	61715	3.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.00%
7) Chloroethane-d5	1.93	69	62955	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.58	63	107745	3.18	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.74	46	297052	46.64	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.28%
24) Chloroform-d	5.10	84	157254	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.74	65	95094	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.75	84	301389	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.72	67	112949	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.92	98	265753	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	8.20	79	44890	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.66	63	291642	55.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.82%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	95639	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	107371	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

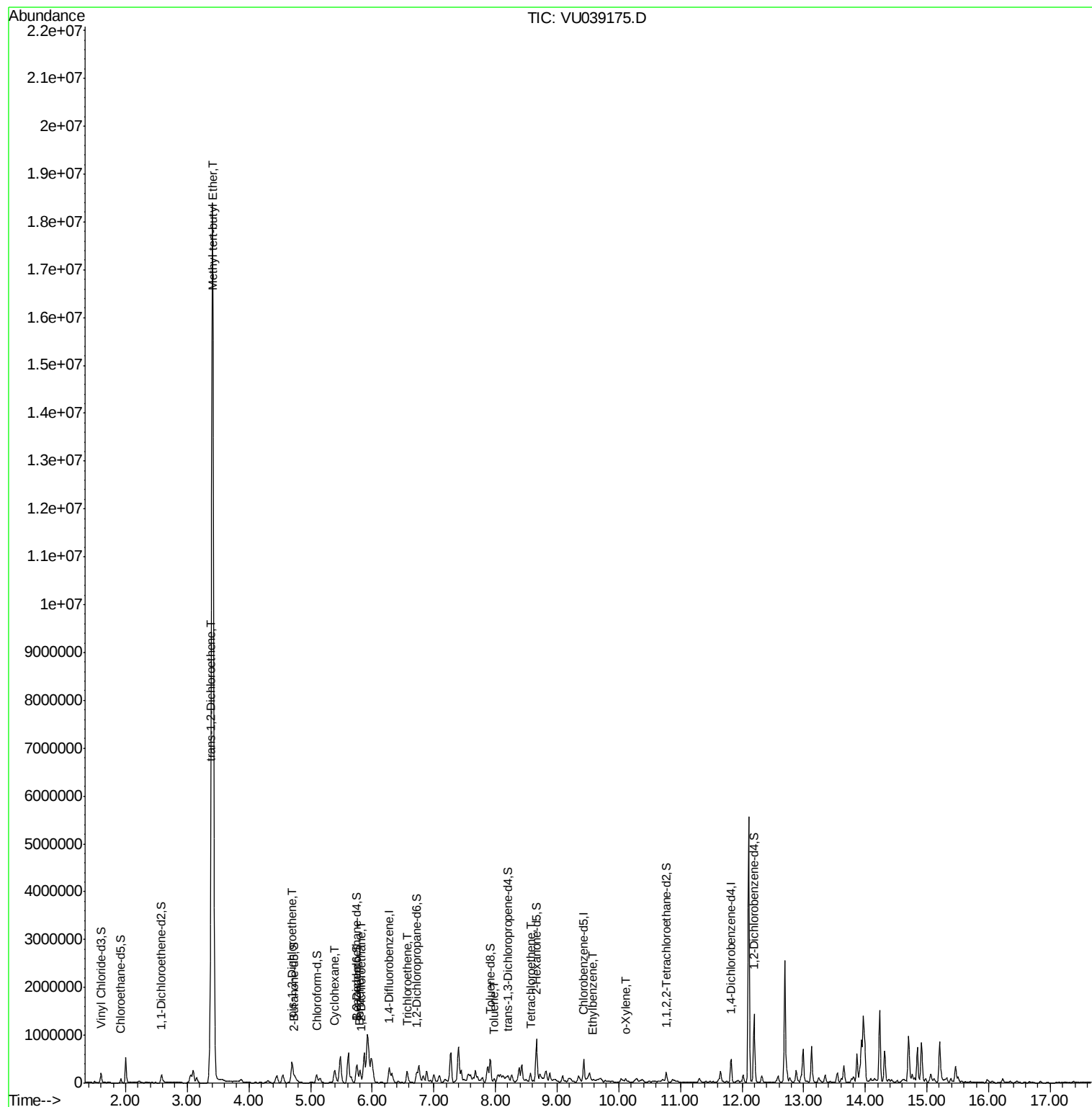
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Methyl tert-butyl Ether	3.41	73	21038025	442.775	ug/L	94
18) trans-1,2-Dichloroethene	3.38	96	163292	9.143	ug/L	93
22) cis-1,2-Dichloroethene	4.70	96	206935	10.738	ug/L	93
27) 1,2-Dichloroethane	5.83	62	40702	1.601	ug/L	100
30) Cyclohexane	5.40	56	81525	2.813	ug/L #	70
33) Benzene	5.80	78	215937	2.754	ug/L	100
34) Trichloroethene	6.57	95	71337	3.762	ug/L	97
42) Toluene	7.99	91	10180	0.131	ug/L	88
47) Tetrachloroethene	8.57	164	39718	2.906	ug/L	95
52) Ethylbenzene	9.58	91	20842	0.255	ug/L	99
54) o-Xylene	10.11	106	15584	0.539	ug/L	99

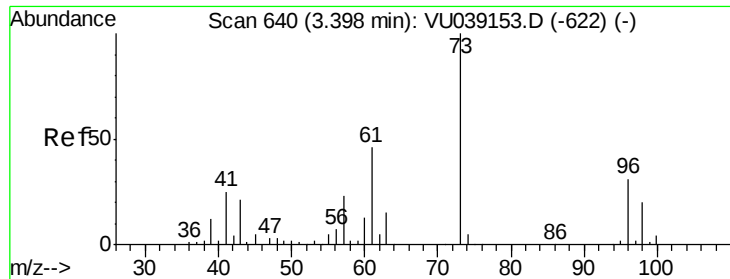
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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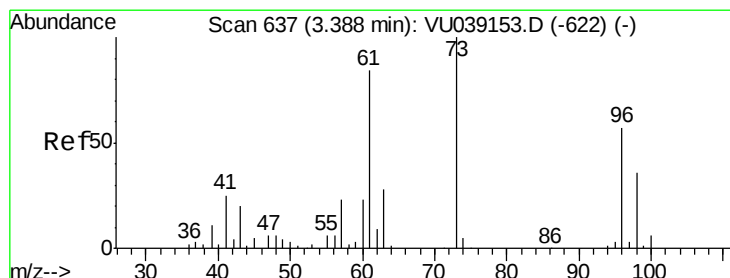
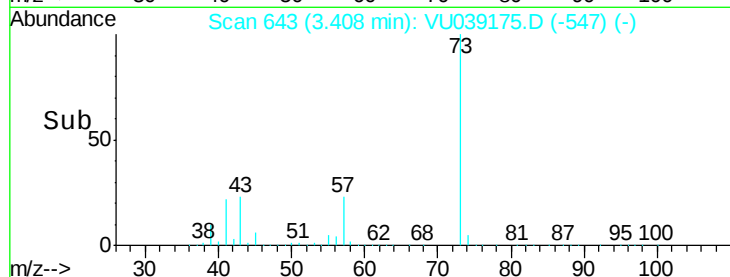
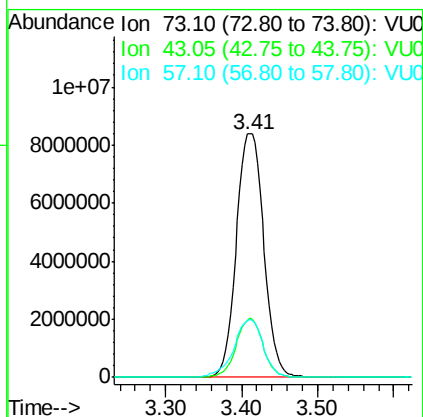
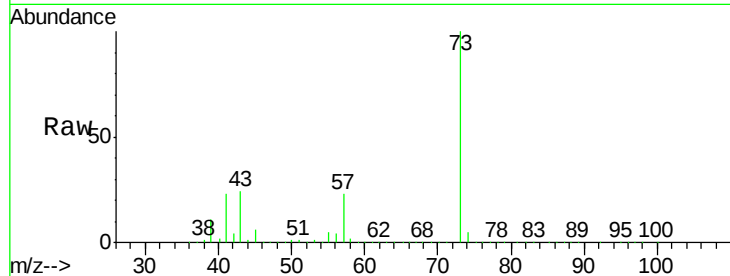




#17
Methyl tert-butyl Ether
Concen: 442.775 ug/L
RT: 3.41 min Scan# 643
Delta R.T. 0.01 min
Lab File: VU039175.D
Acq: 26 Jun 2020 19:16

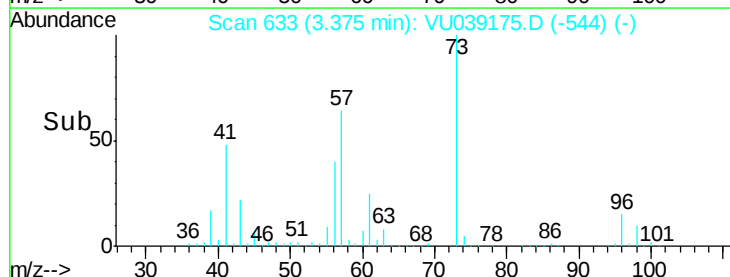
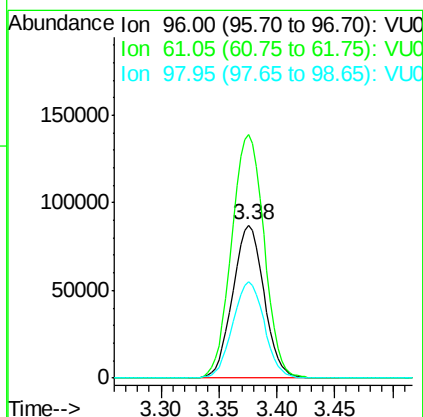
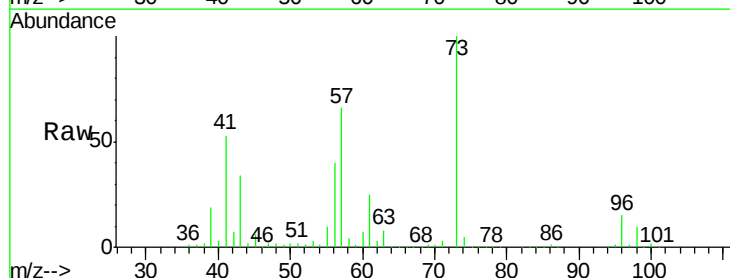
Instrument :
MSVOA_U
ClientSampled :
F9F01

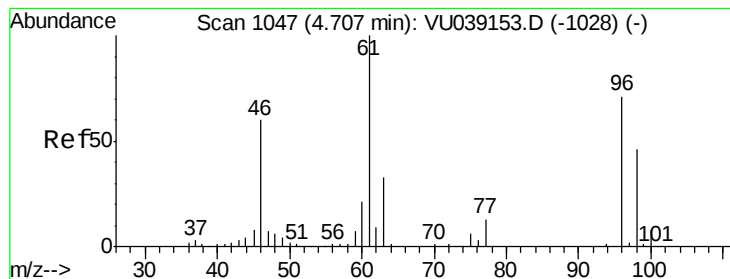
Tgt Ion: 73 Resp: 21038025
Ion Ratio Lower Upper
73 100
43 23.7 16.6 24.8
57 25.5 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 9.143 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.01 min
Lab File: VU039175.D
Acq: 26 Jun 2020 19:16

Tgt Ion: 96 Resp: 163292
Ion Ratio Lower Upper
96 100
61 159.3 103.5 192.3
98 62.7 44.9 83.5





#22

cis-1,2-Dichloroethene

Concen: 10.738 ug/L

RT: 4.70 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VU039175.D

Acq: 26 Jun 2020 19:16

Instrument :

MSVOA_U

ClientSampleId :

F9F01

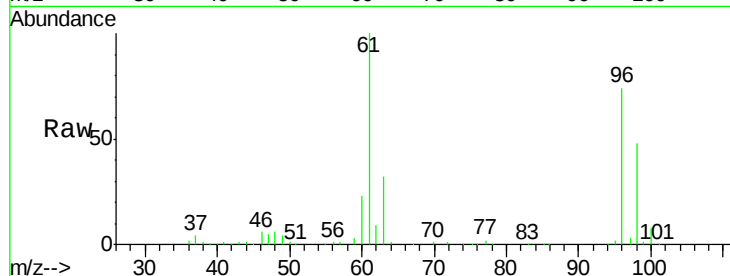
Tgt Ion: 96 Resp: 206935

Ion Ratio Lower Upper

96 100

61 134.9 100.8 187.2

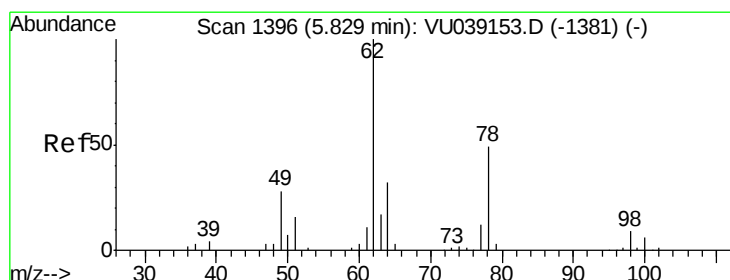
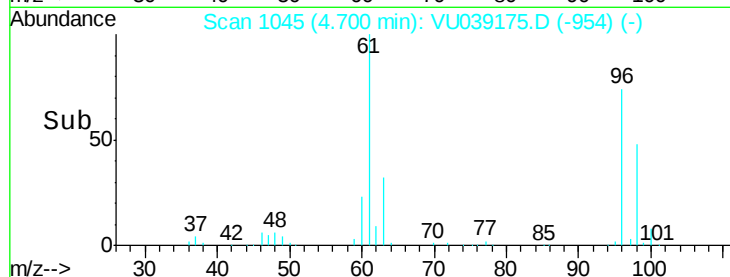
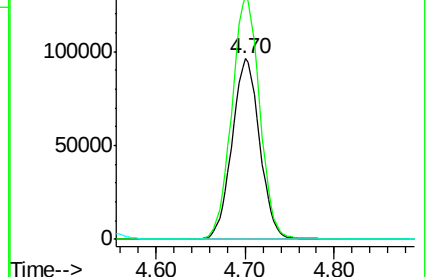
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039175.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039175.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039175.D (-954) (-)



#27

1,2-Dichloroethane

Concen: 1.601 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU039175.D

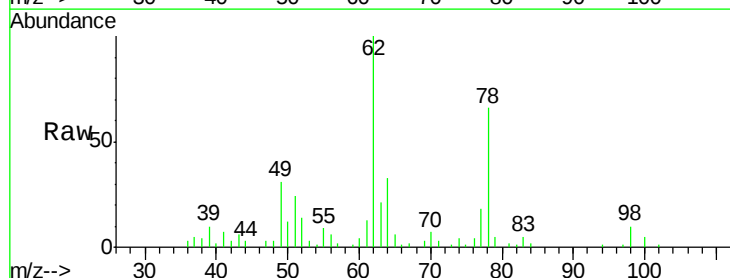
Acq: 26 Jun 2020 19:16

Tgt Ion: 62 Resp: 40702

Ion Ratio Lower Upper

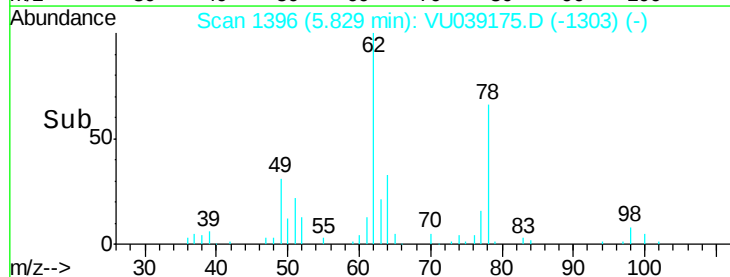
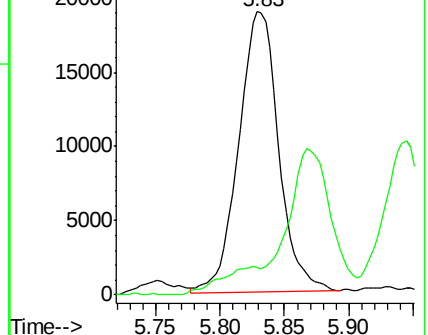
62 100

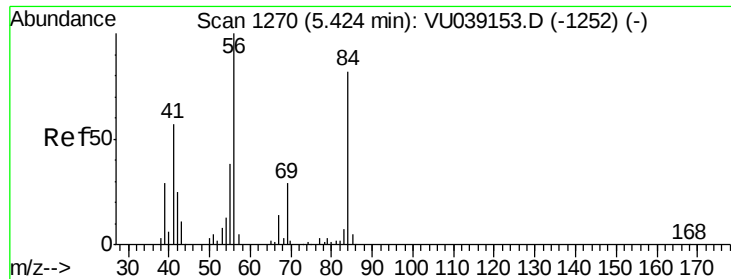
98 9.5 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VU039175.D (-1303) (-)

Ion 98.05 (97.75 to 98.75): VU039175.D (-1303) (-)

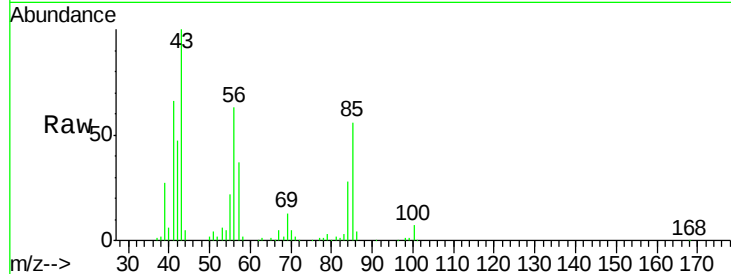




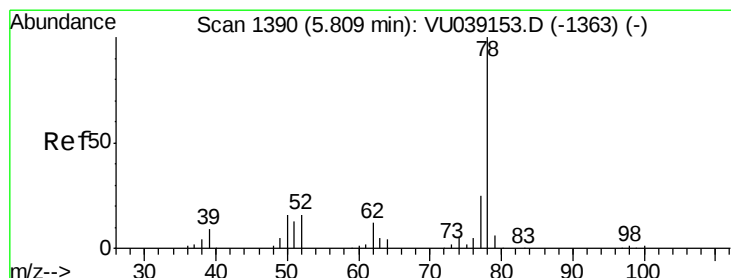
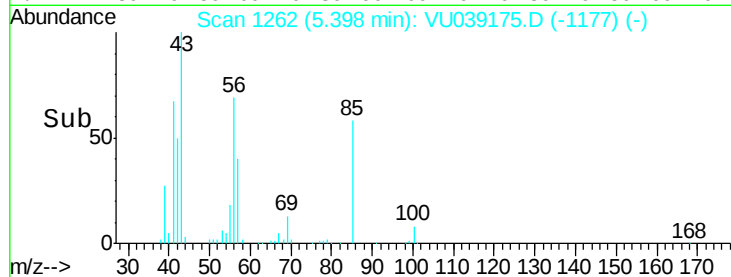
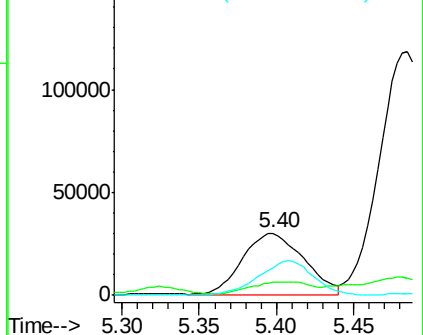
#30
Cyclohexane
Concen: 2.813 ug/L
RT: 5.40 min Scan# 1262
Delta R.T. -0.03 min
Lab File: VU039175.D
Acq: 26 Jun 2020 19:16

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Tgt Ion: 56 Resp: 81525
Ion Ratio Lower Upper
56 100
69 21.9 23.3 34.9#
84 51.5 67.1 100.7#

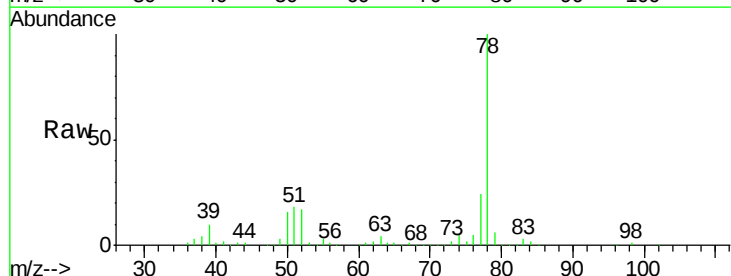


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

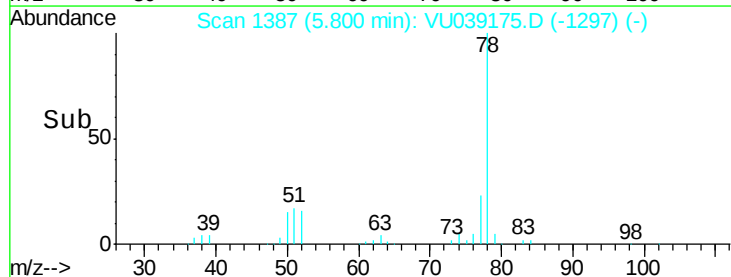
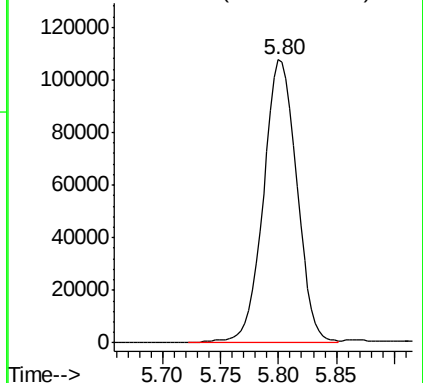


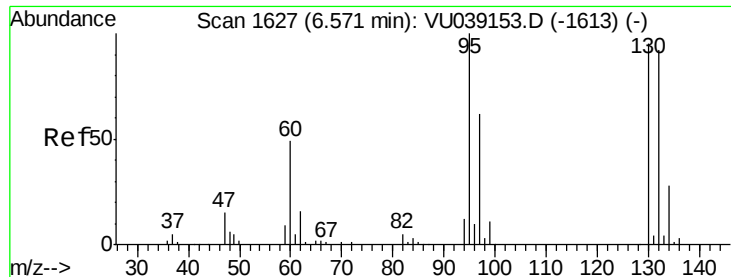
#33
Benzene
Concen: 2.754 ug/L
RT: 5.80 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VU039175.D
Acq: 26 Jun 2020 19:16

Tgt Ion: 78 Resp: 215937



Abundance Ion 78.10 (77.80 to 78.80): VU0

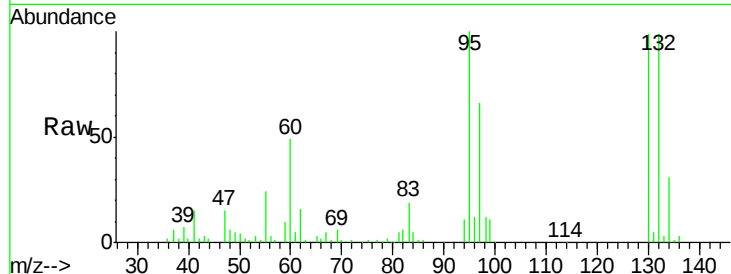




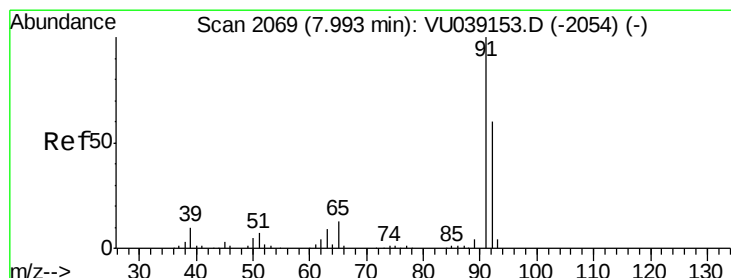
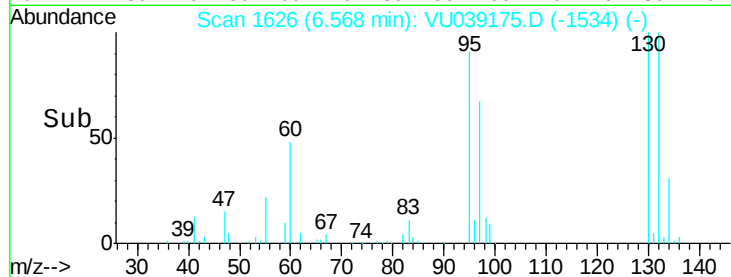
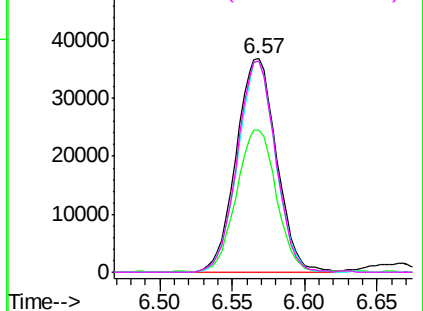
#34
 Trichloroethene
 Concen: 3.762 ug/L
 RT: 6.57 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: VU039175.D
 Acq: 26 Jun 2020 19:16

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Tgt Ion: 95 Resp: 71337
 Ion Ratio Lower Upper
 95 100
 97 66.5 45.1 83.7
 132 98.8 65.1 120.9
 130 98.7 68.6 127.4

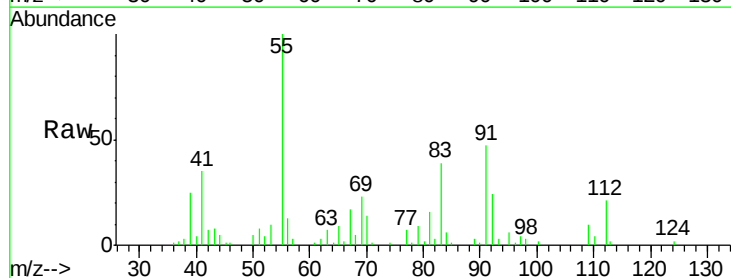


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

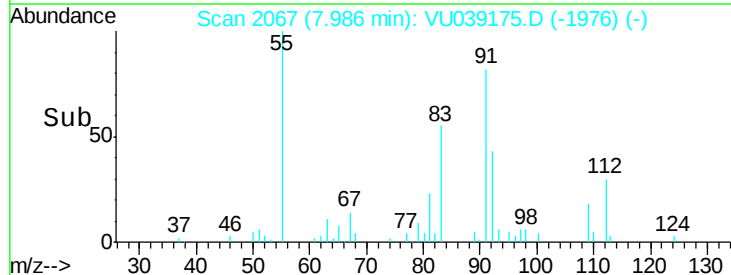
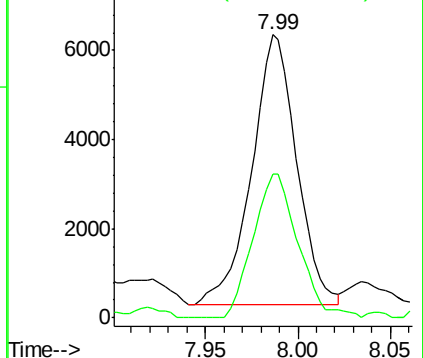


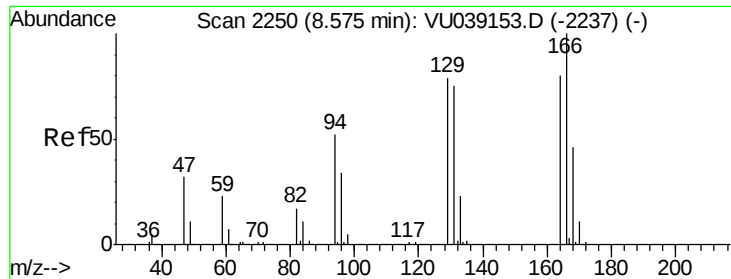
#42
 Toluene
 Concen: 0.131 ug/L
 RT: 7.99 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: VU039175.D
 Acq: 26 Jun 2020 19:16

Tgt Ion: 91 Resp: 10180
 Ion Ratio Lower Upper
 91 100
 92 50.8 42.1 78.1



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

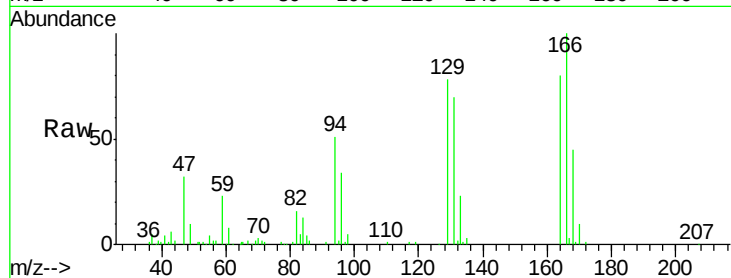




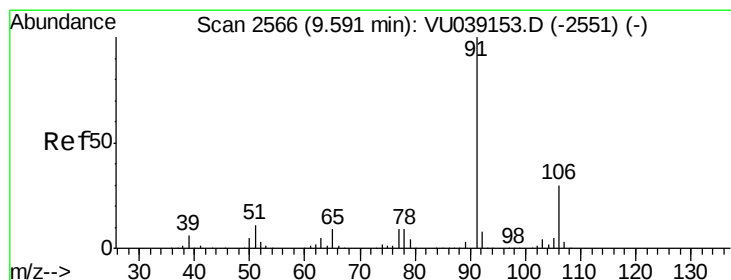
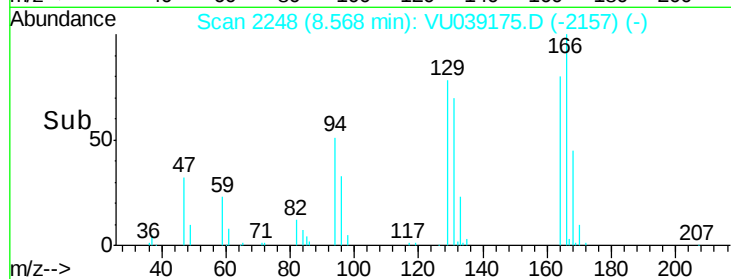
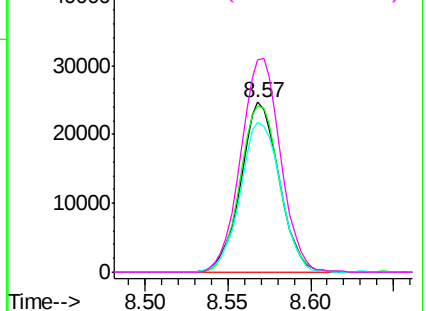
#47
Tetrachloroethene
Concen: 2.906 ug/L
RT: 8.57 min Scan# 2248
Delta R.T. -0.01 min
Lab File: VU039175.D
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Instrument :
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Tgt Ion:164 Resp: 39718
Ion Ratio Lower Upper
164 100
129 98.4 71.3 132.5
131 88.4 68.3 126.8
166 125.4 90.8 168.6

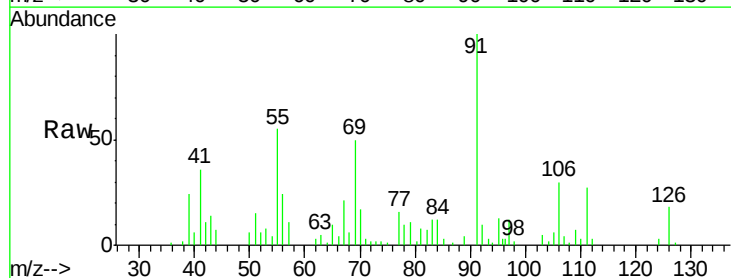


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

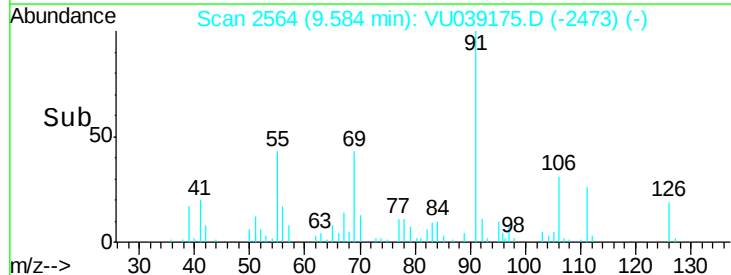
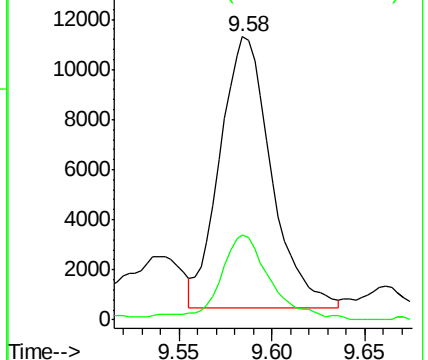


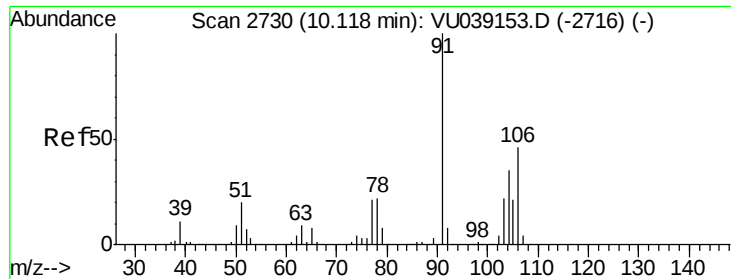
#52
Ethylbenzene
Concen: 0.255 ug/L
RT: 9.58 min Scan# 2564
Delta R.T. -0.01 min
Lab File: VU039175.D
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Tgt Ion: 91 Resp: 20842
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.6



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





#54
 o-Xylene
 Concen: 0.539 ug/L
 RT: 10.11 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VU039175.D
 Acq: 26 Jun 2020 19:16

Instrument :
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 ClientSampleId :
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Tgt Ion:106 Resp: 15584
 Ion Ratio Lower Upper
 106 100
 91 220.5 153.5 285.1

