

Data File : VU039874.D
Acq On : 14 Aug 2020 21:44
Operator : SY/MD
Sample : L3517-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F4L72

Manual Integrations
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sam
8/18/2020 5:52:31 PM

Quant Time: Aug 17 07:51:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 17 05:23:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	68358	5.00	ug/L	0.03
28) Chlorobenzene-d5	9.43	117	69790	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36792	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	17577	4.76	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.95	69	18485	4.63	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.60	63	35232	4.74	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	4.81	46	75923m	46.77	ug/L	0.15
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.54%
24) Chloroform-d	5.13	84	42505	4.61	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.76	65	27002	4.92	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.77	84	74886	4.51	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.73	67	28406	5.00	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.92	98	64571	4.38	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.20	79	11032	5.06	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.66	63	66359	56.25	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.50%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	28050	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	32236	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	2754	0.496 ug/L #	55
17) Methyl tert-butyl Ether	3.44	73	50354	4.651 ug/L #	95
18) trans-1,2-Dichloroethene	3.39	96	1755	0.387 ug/L	98
22) cis-1,2-Dichloroethene	4.73	96	6479	1.312 ug/L	94
33) Benzene	5.82	78	20946	1.102 ug/L	100
34) Trichloroethene	6.58	95	12310	2.493 ug/L	90
40) 4-Methyl-2-pentanone	7.83	43	11426	3.027 ug/L	97
42) Toluene	7.99	91	23240	1.163 ug/L	99
47) Tetrachloroethene	8.56	164	4994	1.226 ug/L	87
52) Ethylbenzene	9.58	91	15387	0.688 ug/L	99
53) m,p-Xylene	9.70	106	20719	2.433 ug/L	96
54) o-Xylene	10.10	106	6040	0.724 ug/L	98

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

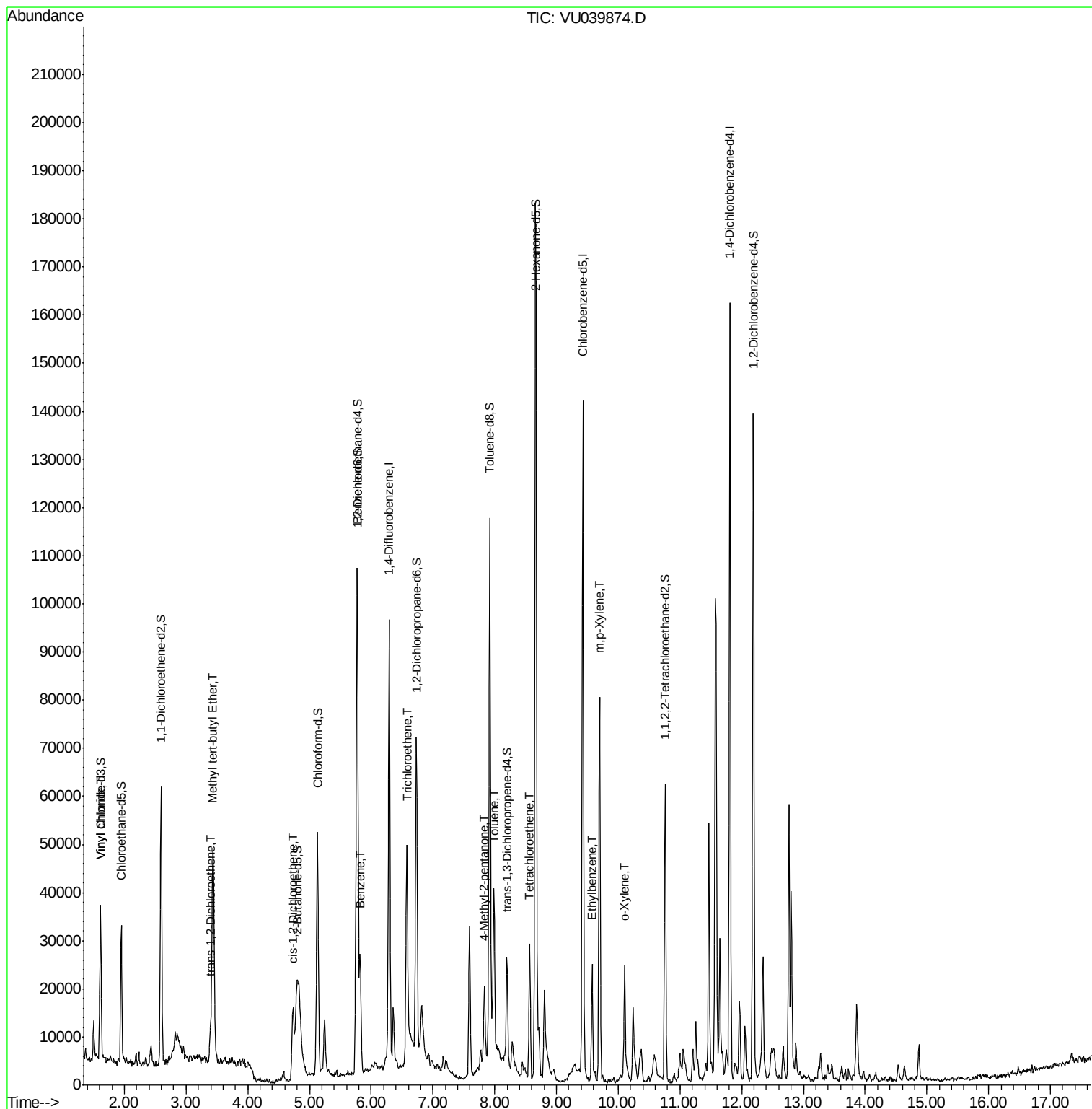
Data File : VU039874.D
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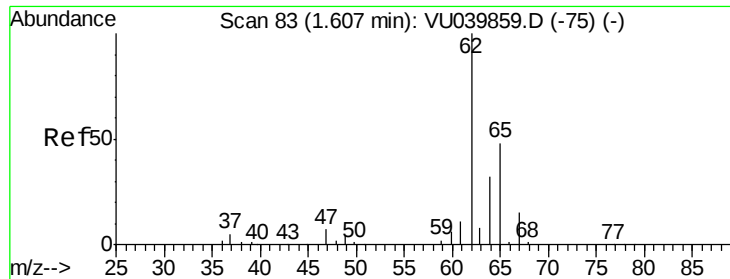
Instrument :
MSVOA_U
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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 17 05:23:17 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.496 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.02 min

Lab File: VU039874.D

Acq: 14 Aug 2020 21:44

Instrument :

MSVOA_U

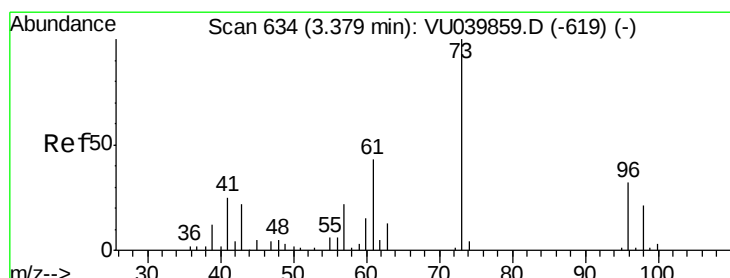
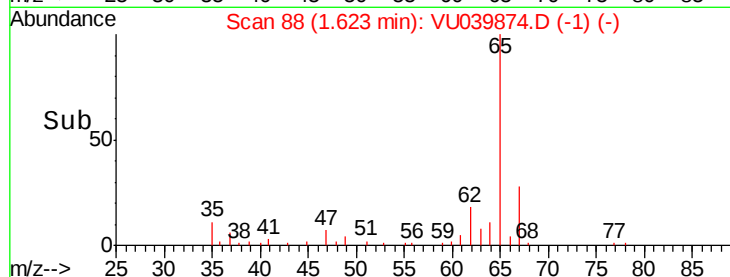
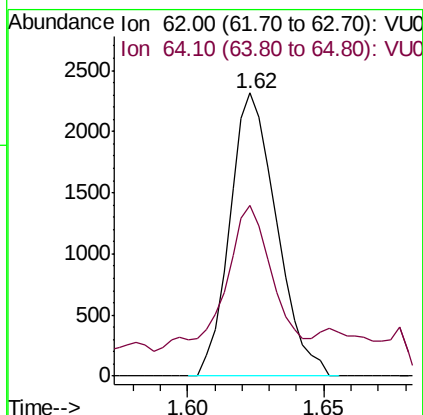
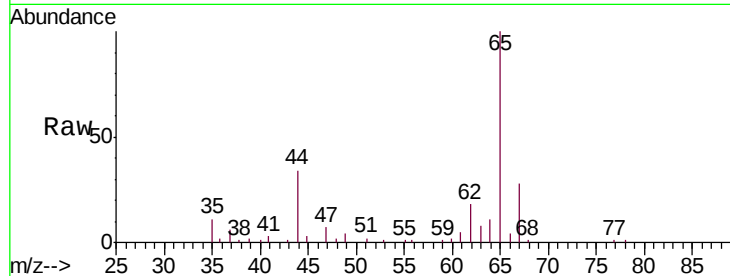
ClientSampled :

F4L72

Tgt Ion: 62 Resp: 2754
 Ion Ratio Lower Upper
 62 100
 64 60.3 24.1 44.7#

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#17

Methyl tert-butyl Ether

Concen: 4.651 ug/L

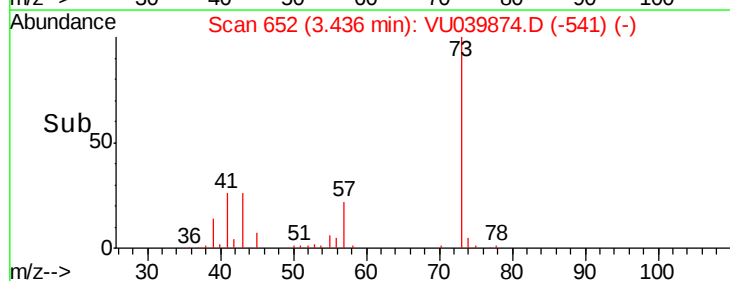
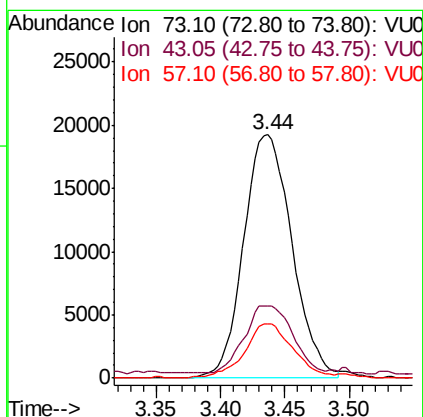
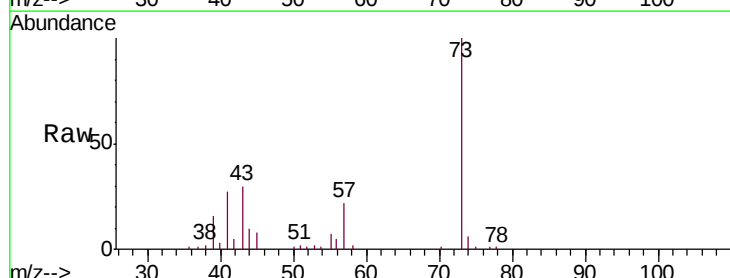
RT: 3.44 min Scan# 652

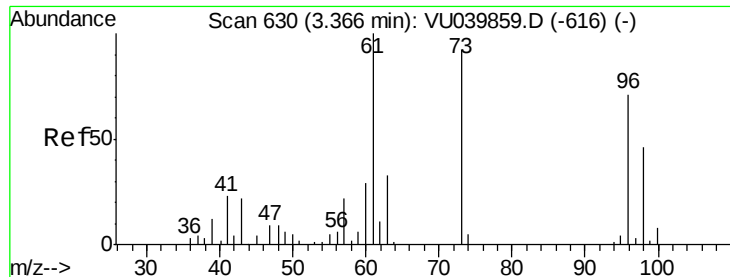
Delta R.T. 0.06 min

Lab File: VU039874.D

Acq: 14 Aug 2020 21:44

Tgt Ion: 73 Resp: 50354
 Ion Ratio Lower Upper
 73 100
 43 27.7 18.2 27.4#
 57 22.4 17.8 26.8





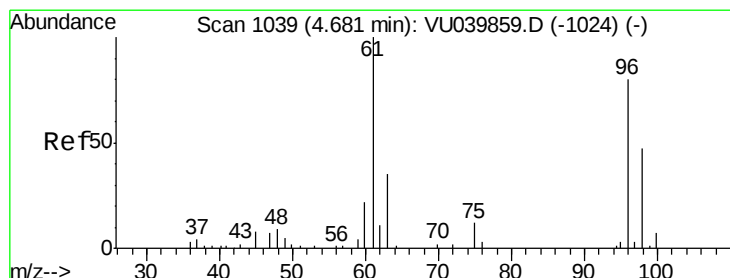
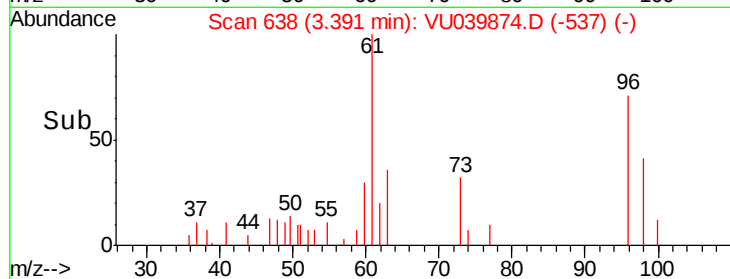
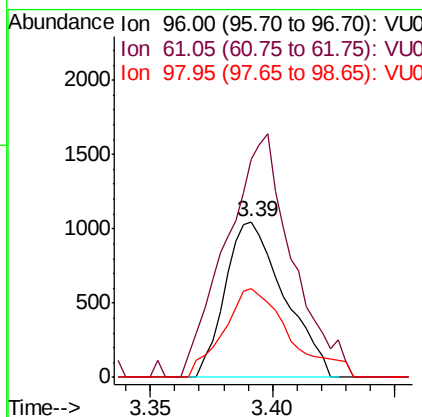
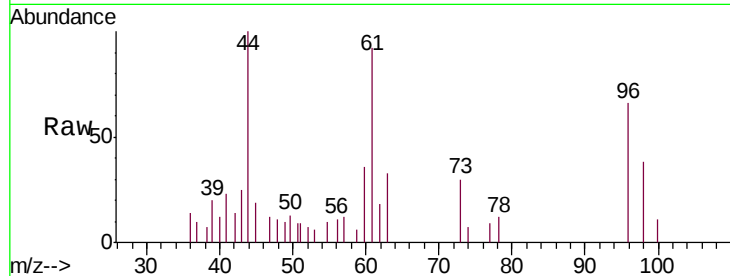
#18
trans-1,2-Dichloroethene
Concen: 0.387 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.03 min
Lab File: VU039874.D
Acq: 14 Aug 2020 21:44

Instrument :
MSVOA_U
ClientSampled :
F4L72

Tgt Ion: 96 Resp: 1755
Ion Ratio Lower Upper
96 100
61 140.2 96.5 179.1
98 57.3 40.9 76.0

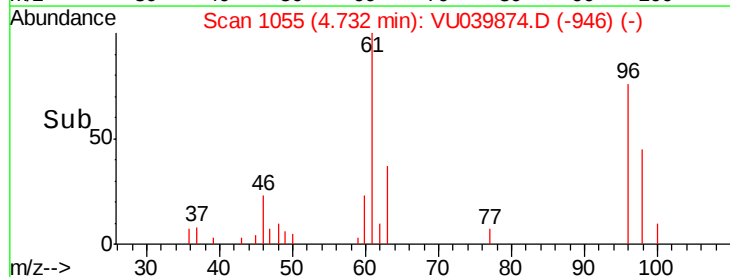
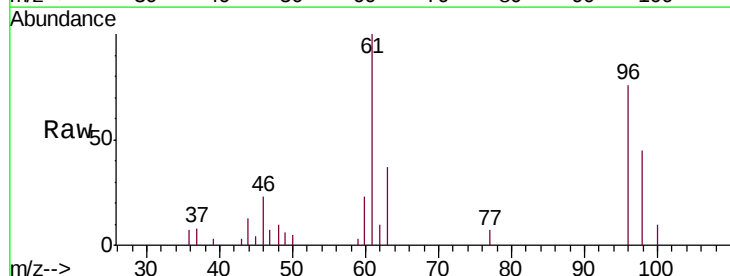
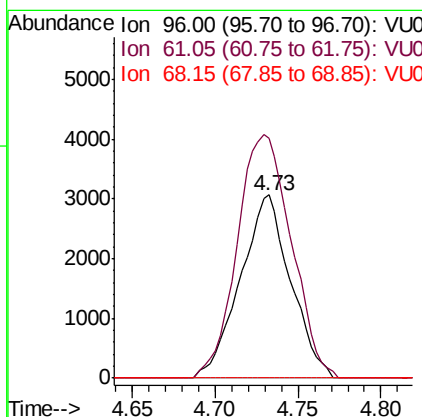
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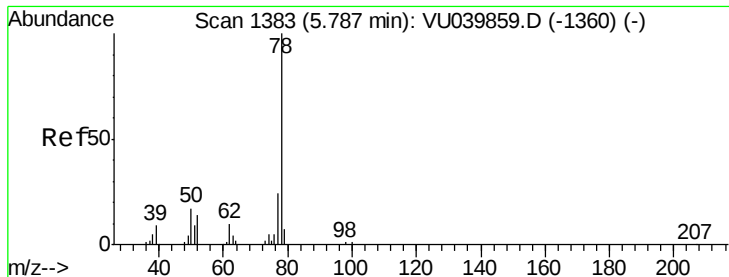
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#22
cis-1,2-Dichloroethene
Concen: 1.312 ug/L
RT: 4.73 min Scan# 1055
Delta R.T. 0.05 min
Lab File: VU039874.D
Acq: 14 Aug 2020 21:44

Tgt Ion: 96 Resp: 6479
Ion Ratio Lower Upper
96 100
61 131.1 87.4 162.2
68 0.0 0.0 0.0





#33

Benzene

Concen: 1.102 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. 0.04 min

Lab File: VU039874.D

Acq: 14 Aug 2020 21:44

Instrument :

MSVOA_U

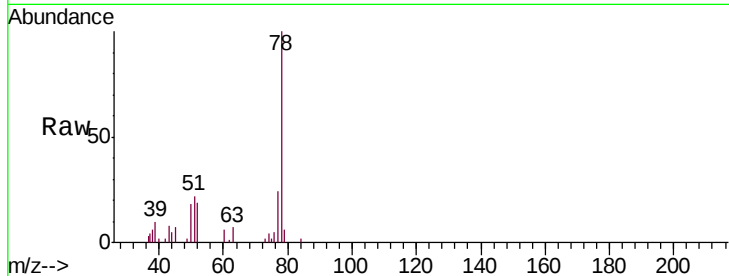
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F4L72

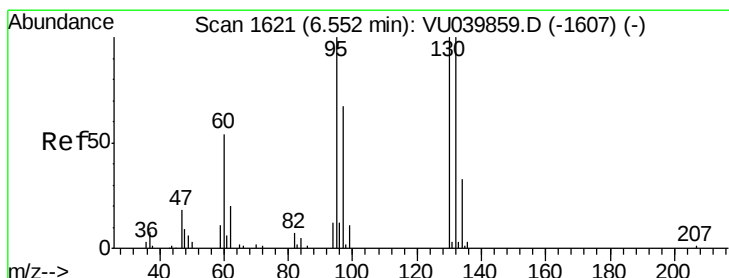
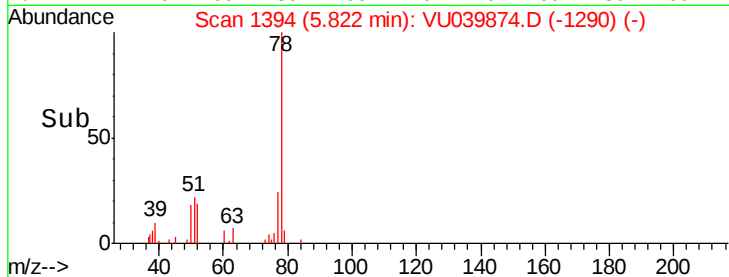
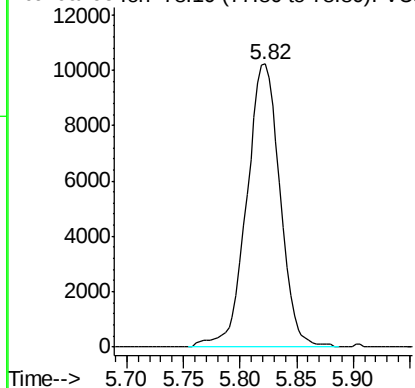
Tgt Ion: 78 Resp: 20946

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Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 2.493 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.03 min

Lab File: VU039874.D

Acq: 14 Aug 2020 21:44

Tgt Ion: 95 Resp: 12310

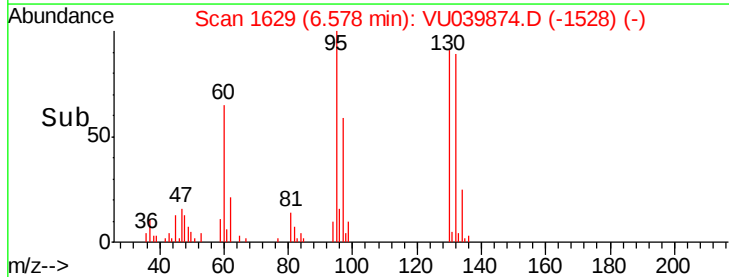
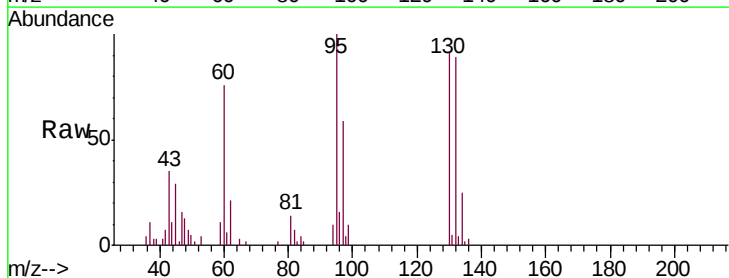
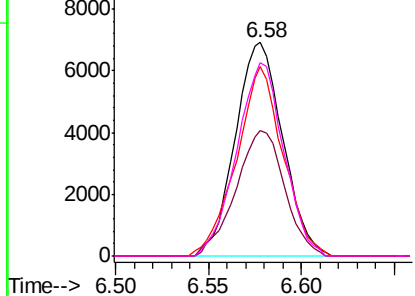
Ion	Ratio	Lower	Upper
95	100		
97	59.0	44.0	81.8
132	88.8	71.7	133.3
130	90.8	71.1	132.1

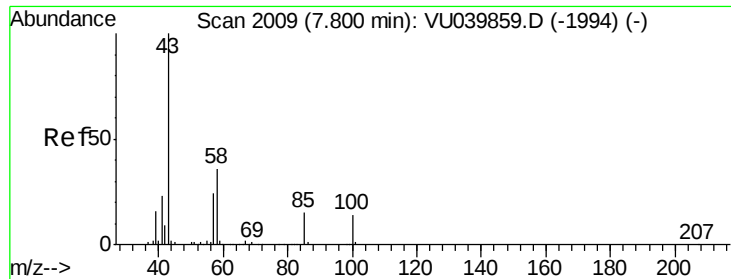
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





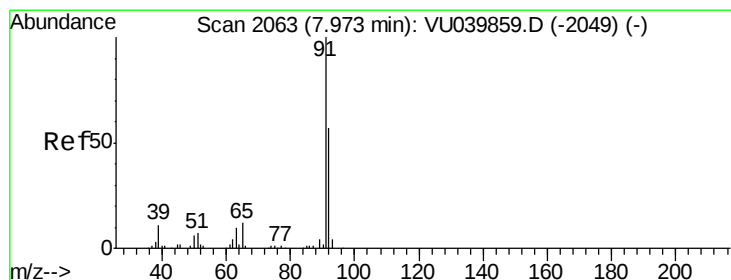
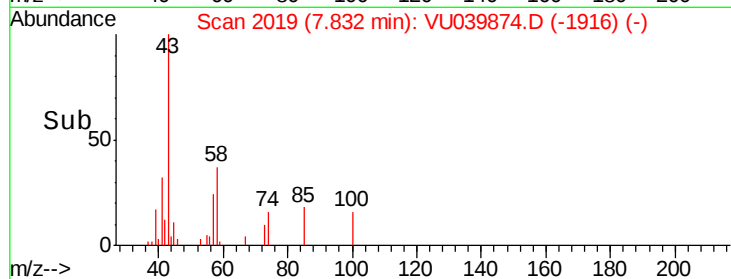
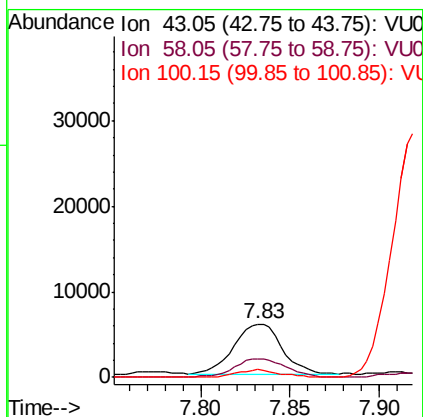
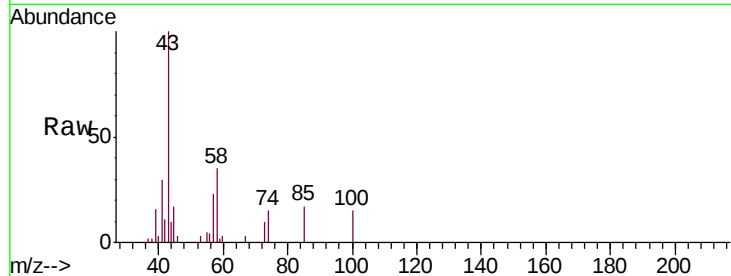
#40
 4-Methyl-2-pentanone
 Concen: 3.027 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.03 min
 Lab File: VU039874.D
 Acq: 14 Aug 2020 21:44

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Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.1	29.4	44.2
100	12.6	11.7	17.5

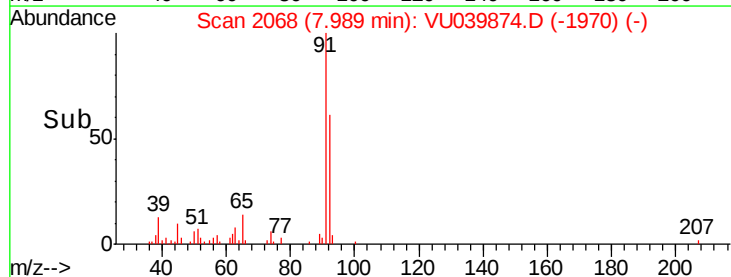
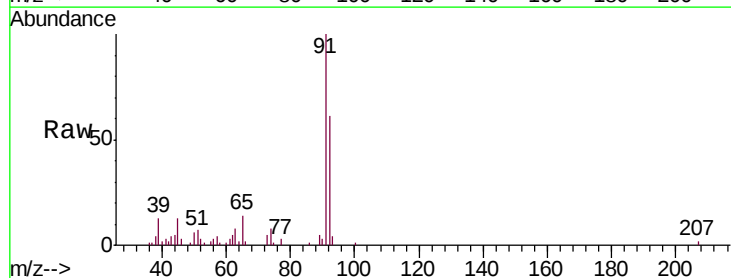
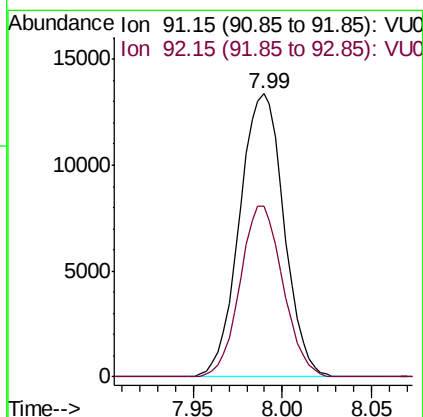
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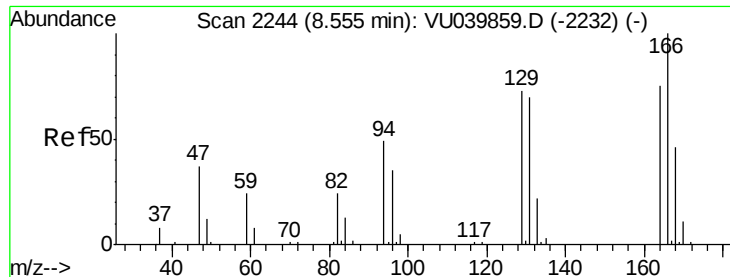
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#42
 Toluene
 Concen: 1.163 ug/L
 RT: 7.99 min Scan# 2068
 Delta R.T. 0.02 min
 Lab File: VU039874.D
 Acq: 14 Aug 2020 21:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.5	41.6	77.3





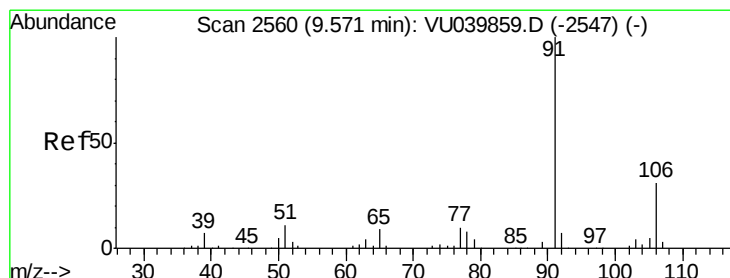
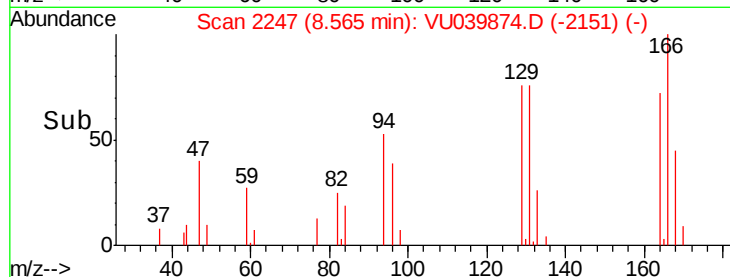
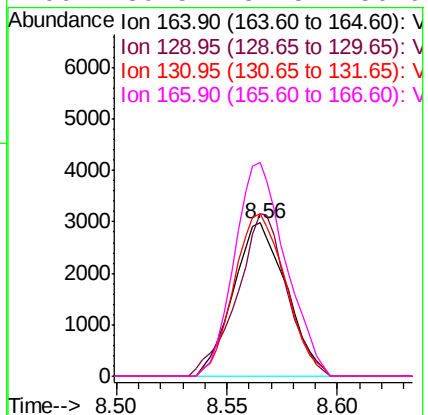
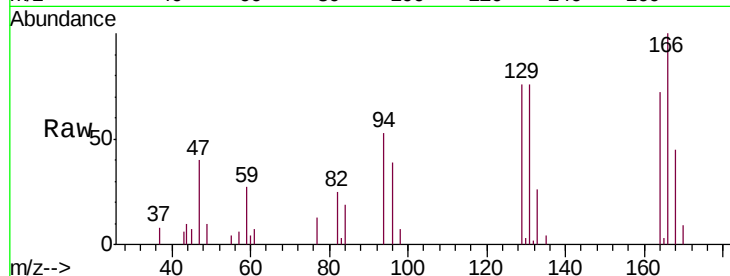
#47
Tetrachloroethene
Concen: 1.226 ug/L
RT: 8.56 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VU039874.D
Acq: 14 Aug 2020 21:44

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Tgt Ion	Ratio	Lower	Upper
164	100		
129	106.5	65.9	122.5
131	106.3	68.1	126.5
166	139.5	84.5	156.9

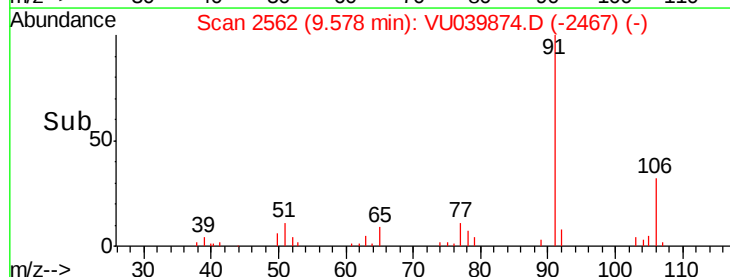
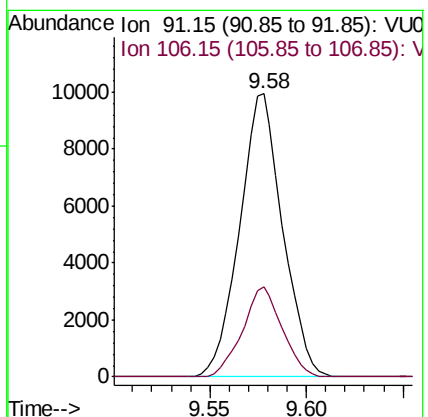
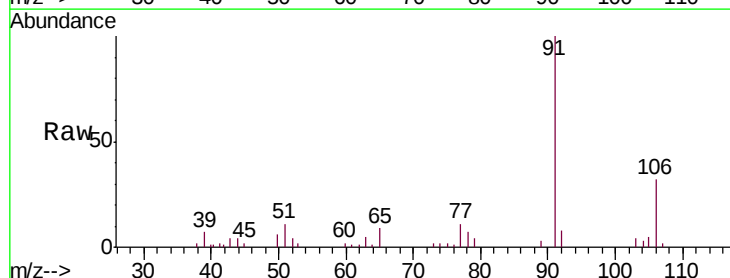
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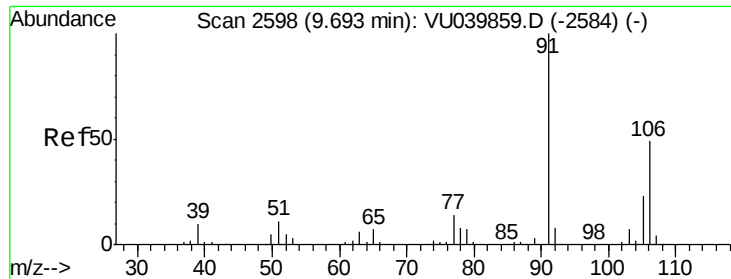
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#52
Ethylbenzene
Concen: 0.688 ug/L
RT: 9.58 min Scan# 2562
Delta R.T. 0.01 min
Lab File: VU039874.D
Acq: 14 Aug 2020 21:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	22.8	42.4





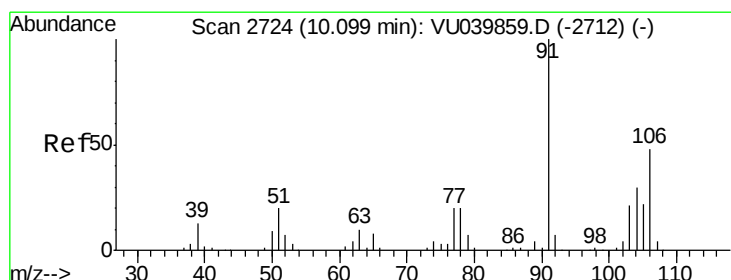
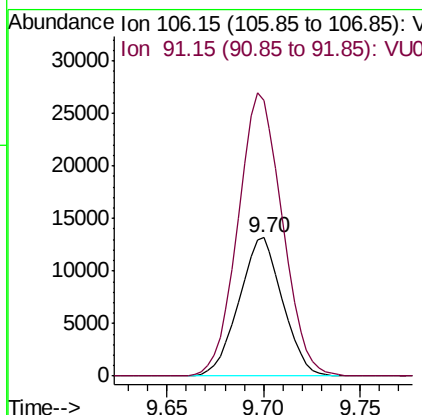
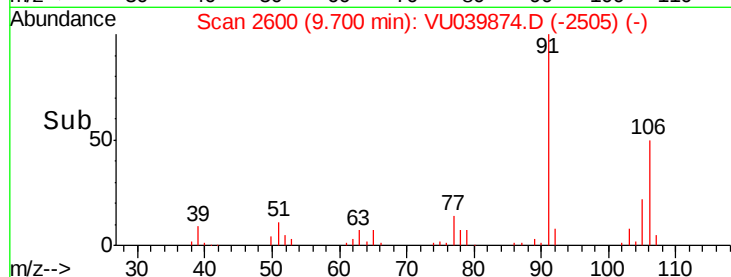
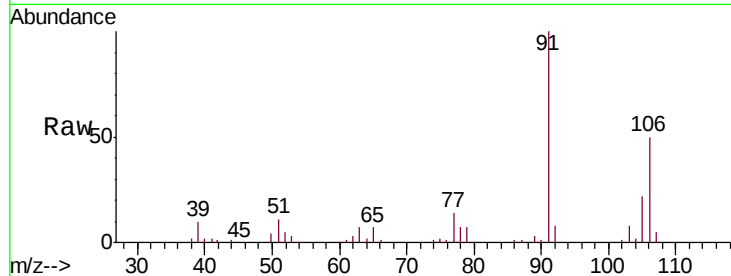
#53
m,p-Xylene
Concen: 2.433 ug/L
RT: 9.70 min Scan# 2600
Delta R.T. 0.01 min
Lab File: VU039874.D
Acq: 14 Aug 2020 21:44

Instrument :
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Tgt Ion:106 Resp: 20719
Ion Ratio Lower Upper
106 100
91 199.6 135.5 251.7

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#54
o-Xylene
Concen: 0.724 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039874.D
Acq: 14 Aug 2020 21:44

Tgt Ion:106 Resp: 6040
Ion Ratio Lower Upper
106 100
91 197.5 140.8 261.6

