

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052120\
 Data File : VU038264.D
 Acq On : 21 May 2020 15:07
 Operator : JC/MD
 Sample : L2724-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4T7

Manual Integrations
 APPROVED

MMDadoda
 5/22/2020 10:51:50 AM

Quant Time: May 22 03:31:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.32	114	352595	5.00	ug/L	0.04
28) Chlorobenzene-d5	9.45	117	357372	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	183222	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.65	65	114487	3.55	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.00%
7) Chloroethane-d5	1.96	69	122553	4.39	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.63	63	172235	3.19	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.80	46	410960	51.65	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.30%
24) Chloroform-d	5.14	84	229960	4.70	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.80	65	135525	4.83	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.81	84	467342	4.36	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.76	67	162501	4.70	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.94	98	424218	4.41	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.22	79	58344	4.21	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.68	63	381209	58.31	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.62%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	142314	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	168415	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.99	64	144822	6.183	ug/L	91
14) Carbon disulfide	2.86	76	15415	0.177	ug/L #	83
16) Methylene chloride	3.12	84	4696	0.165	ug/L	97
17) Methyl tert-butyl Ether	3.47	73	68770	1.011	ug/L #	91
18) trans-1,2-Dichloroethene	3.42	96	8184	0.306	ug/L	87
19) 1,1-Dichloroethane	3.95	63	30369	0.582	ug/L	94
30) Cyclohexane	5.46	56	98883	2.045	ug/L	98
33) Benzene	5.84	78	30604785m	267.427	ug/L	
35) Methylcyclohexane	6.82	83	64763	1.397	ug/L	98
42) Toluene	8.01	91	342708	2.837	ug/L	99
51) Chlorobenzene	9.47	112	19274742m	257.091	ug/L	
52) Ethylbenzene	9.60	91	1639210	12.526	ug/L	100
53) m,p-Xylene	9.72	106	4533493	90.346	ug/L	97
54) o-Xylene	10.12	106	797320	16.434	ug/L	99
56) Isopropylbenzene	10.50	105	5151452	41.336	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	38210	0.641	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	432179	7.154	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 22 01:03:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	12.22	146	317489	5.536	ug/L	99

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

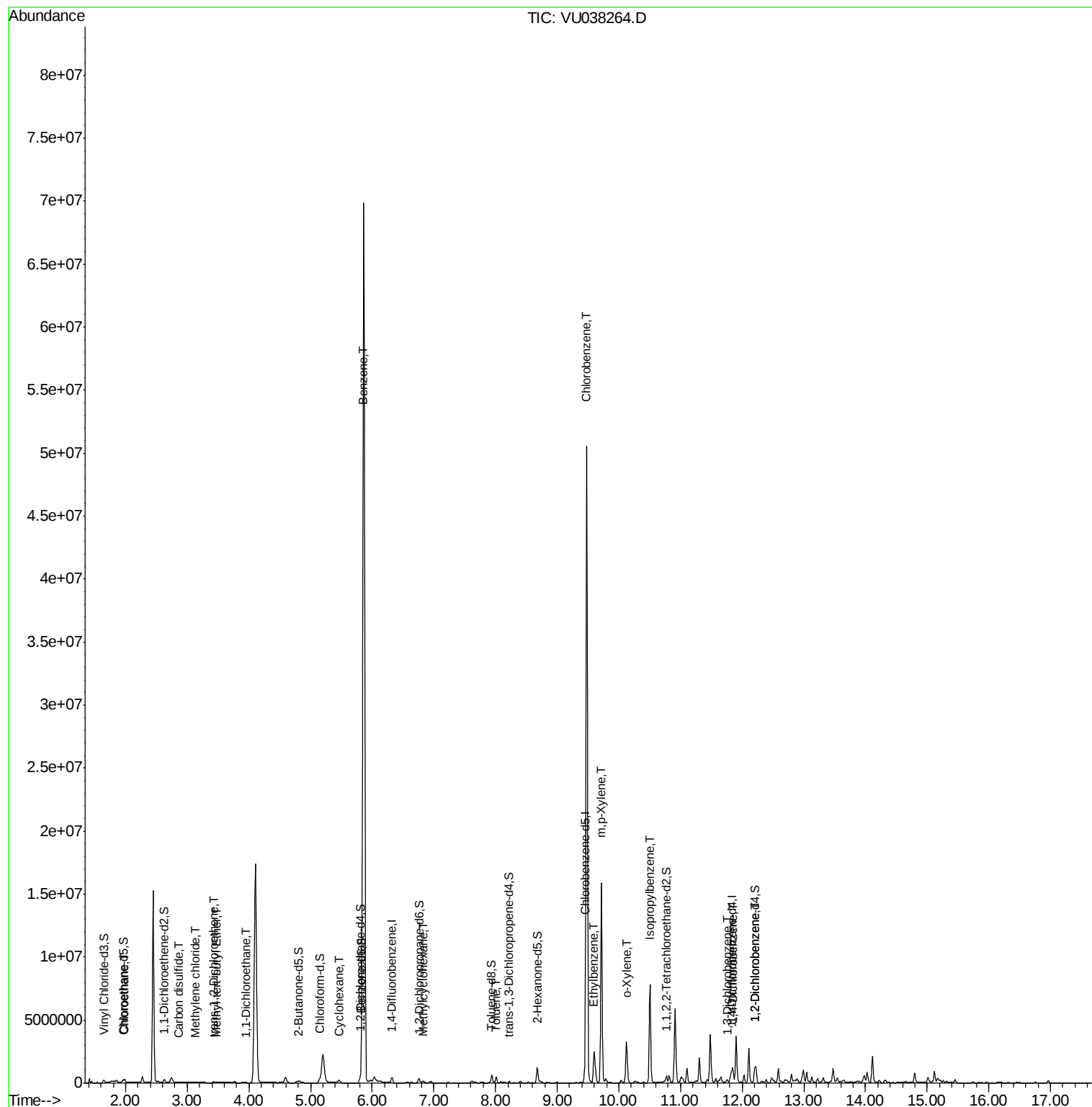
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
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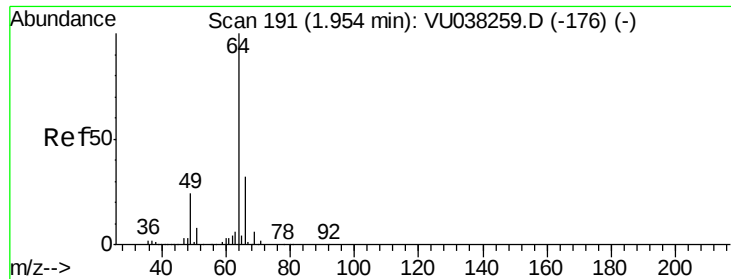
Instrument :
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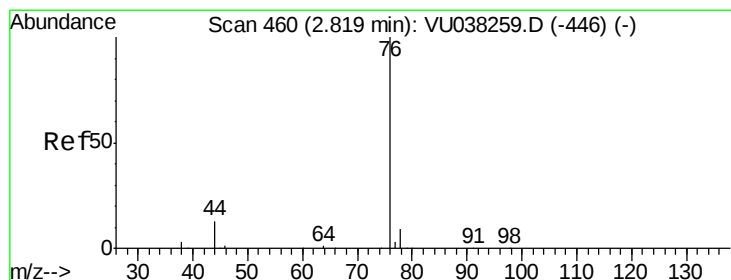
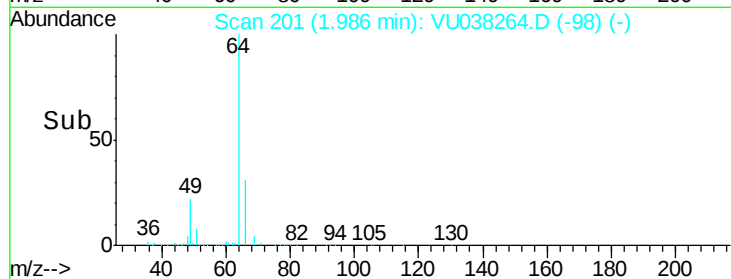
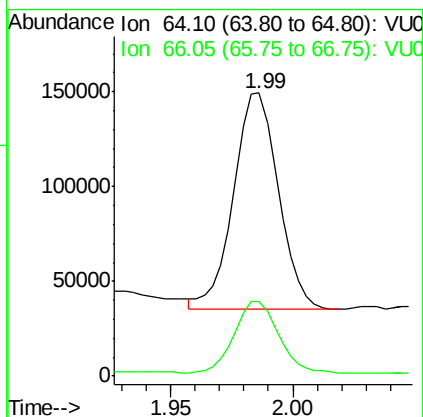
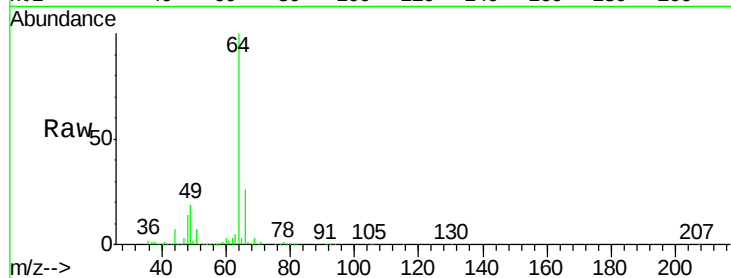
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Chloroethane
Concen: 6.183 ug/L
RT: 1.99 min Scan# 201
Delta R.T. 0.03 min
Lab File: VU038264.D
Acq: 21 May 2020 15:07

Instrument :
MSVOA_U
ClientSampled :
BE4T7

Tot Ion	Ratio	Lower	Upper
64	100		
66	26.4	21.8	40.4

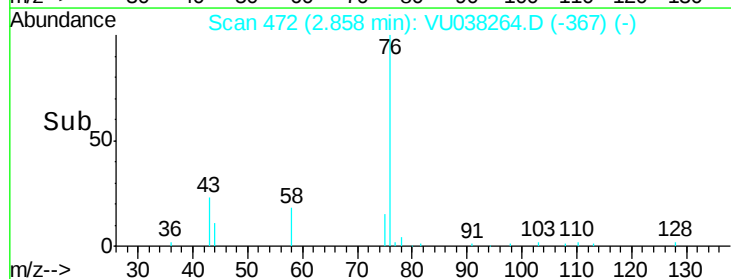
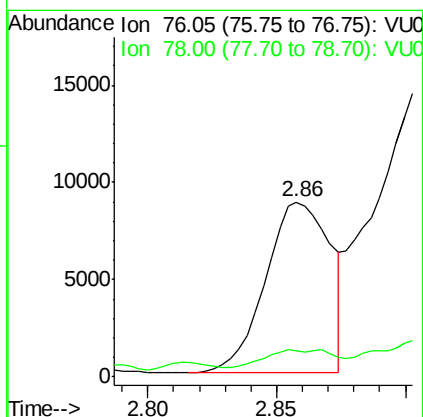
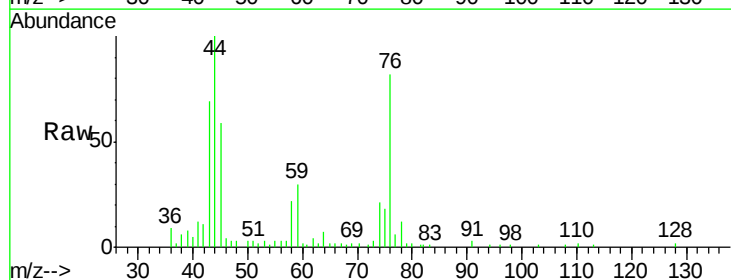
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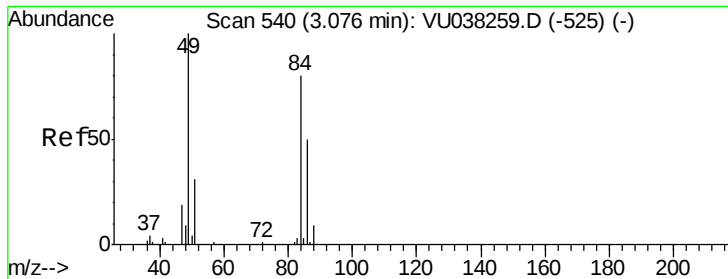
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#14
Carbon disulfide
Concen: 0.177 ug/L
RT: 2.86 min Scan# 472
Delta R.T. 0.04 min
Lab File: VU038264.D
Acq: 21 May 2020 15:07

Tgt Ion	Ratio	Lower	Upper
76	100		
78	14.9	7.1	10.7





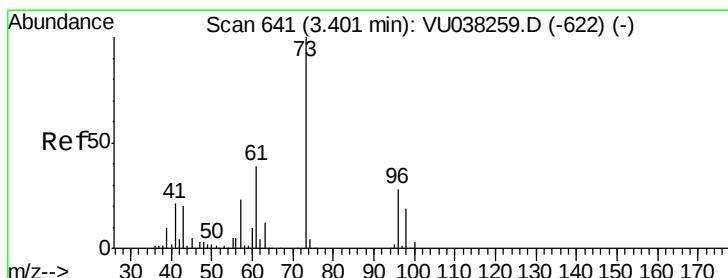
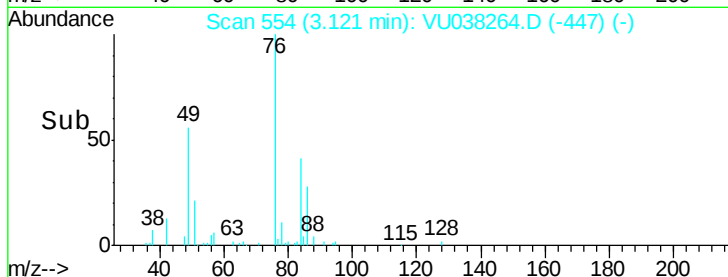
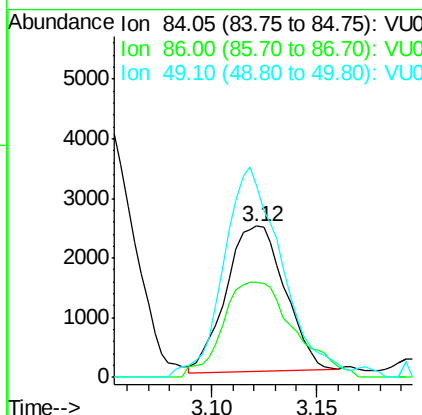
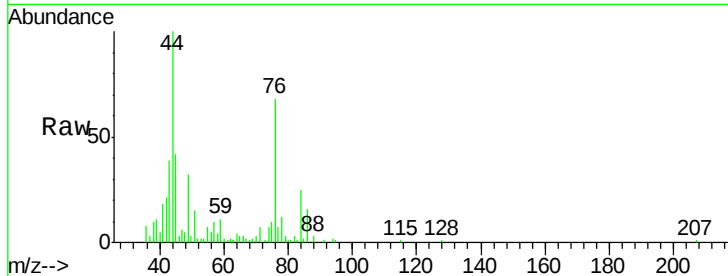
#16
Methvlene chloride
Concen: 0.165 ug/L
RT: 3.12 min Scan# 554
Delta R.T. 0.05 min
Lab File: VU038264.D
Acq: 21 May 2020 15:07

Instrument :
MSVOA_U
ClientSampled :
BE4T7

Tot Ion	84	Resp	4696
Ion Ratio	Lower	Upper	
84	100		
86	63.0	44.9	83.3
49	127.3	92.0	170.9

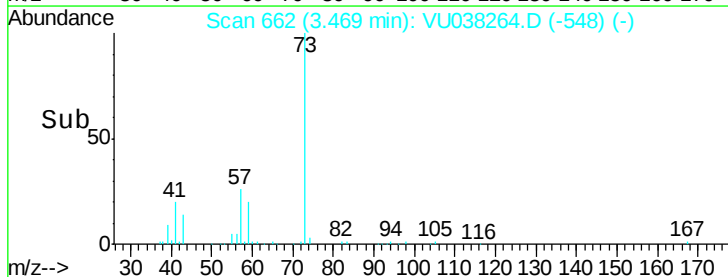
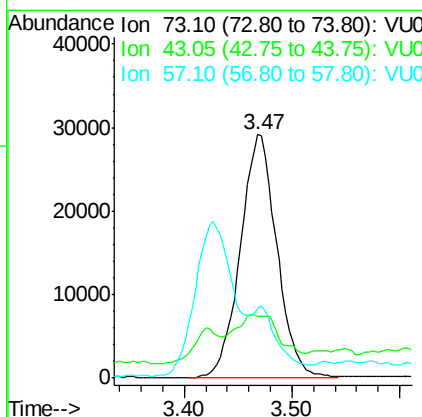
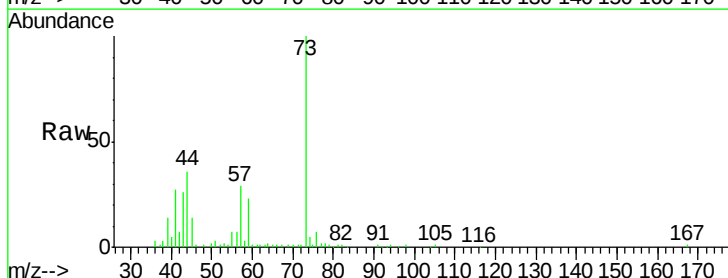
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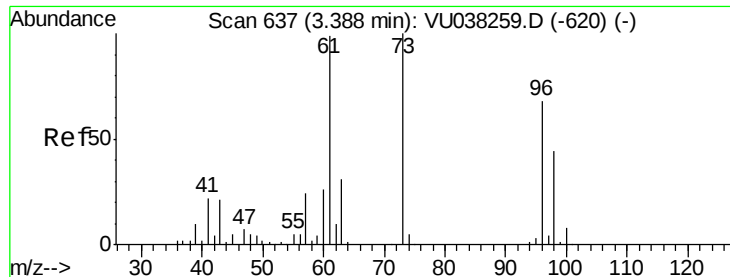
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#17
Methyl tert-butyl Ether
Concen: 1.011 ug/L
RT: 3.47 min Scan# 662
Delta R.T. 0.07 min
Lab File: VU038264.D
Acq: 21 May 2020 15:07

Tgt Ion	73	Resp	68770
Ion Ratio	Lower	Upper	
73	100		
43	21.2	16.9	25.3
57	14.8	18.2	27.2#





#18

trans-1,2-Dichloroethene

Concen: 0.306 ug/L

RT: 3.42 min Scan# 648

Delta R.T. 0.04 min

Lab File: VU038264.D

Acq: 21 May 2020 15:07

Instrument :

MSVOA_U

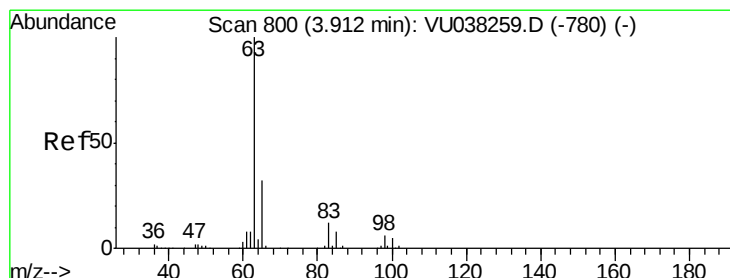
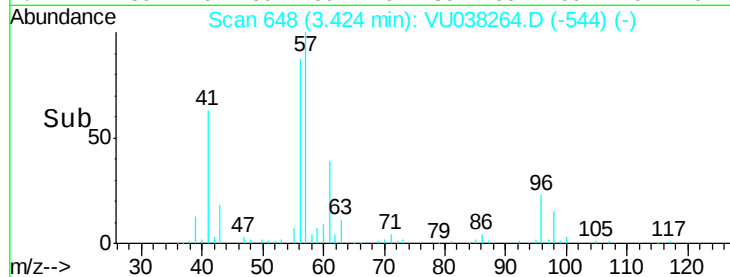
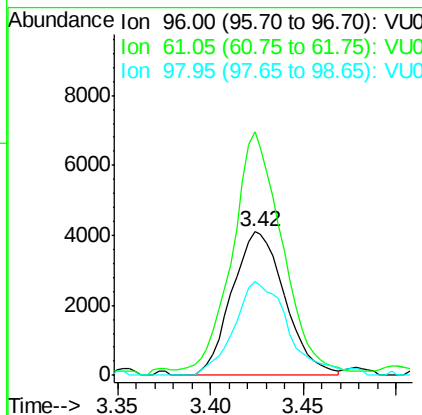
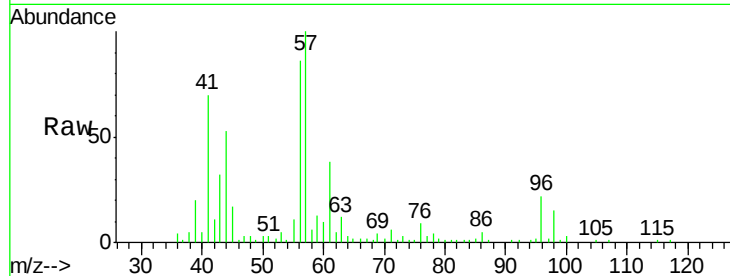
ClientSampled :

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Tot Ion:	96	Resp:	8184
Ion	Ratio	Lower	Upper
96	100		
61	169.7	102.1	189.5
98	65.5	45.6	84.8

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#19

1,1-Dichloroethane

Concen: 0.582 ug/L

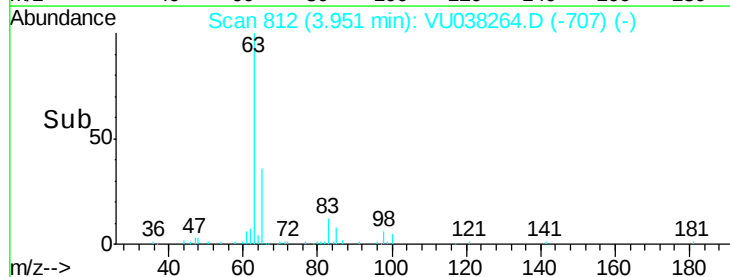
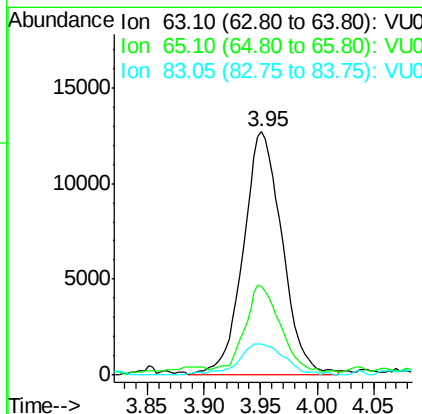
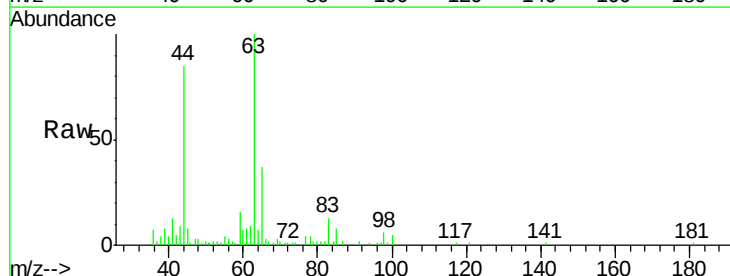
RT: 3.95 min Scan# 812

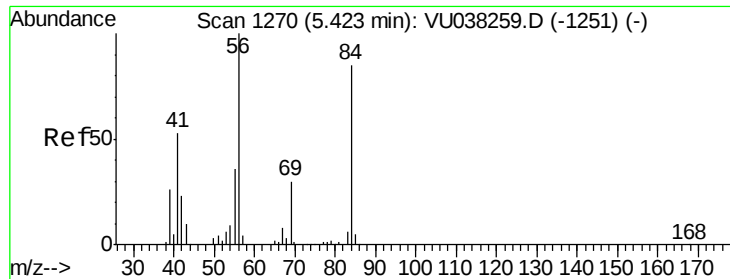
Delta R.T. 0.04 min

Lab File: VU038264.D

Acq: 21 May 2020 15:07

Tgt Ion:	63	Resp:	30369
Ion	Ratio	Lower	Upper
63	100		
65	36.7	22.5	41.7
83	12.7	8.9	16.5





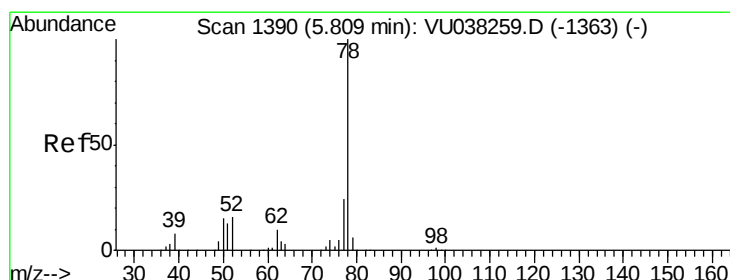
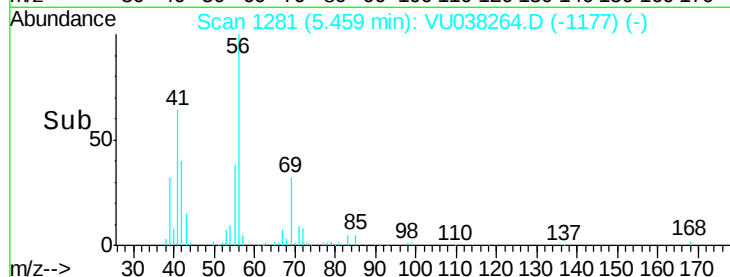
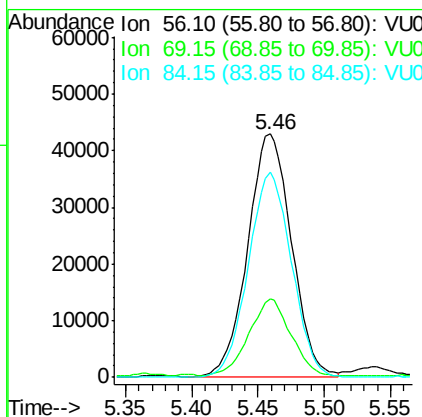
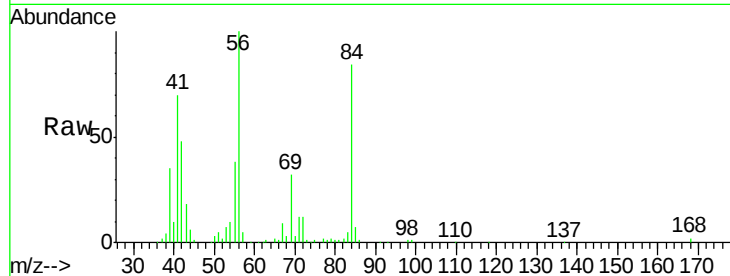
#30
Cyclohexane
Concen: 2.045 ug/L
RT: 5.46 min Scan# 1281
Delta R.T. 0.04 min
Lab File: VU038264.D
Acq: 21 May 2020 15:07

Instrument :
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ClientSampleId :
BE4T7

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.2	36.4
84	82.9	68.5	102.7

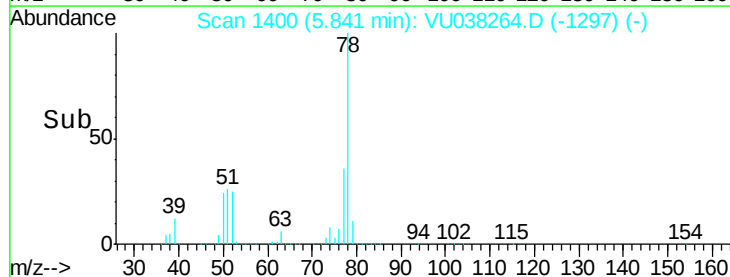
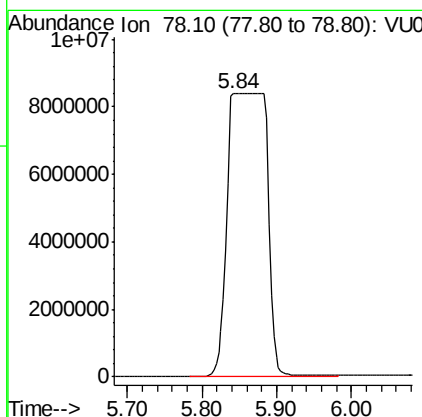
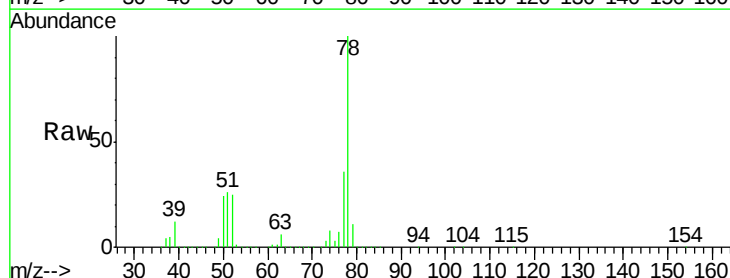
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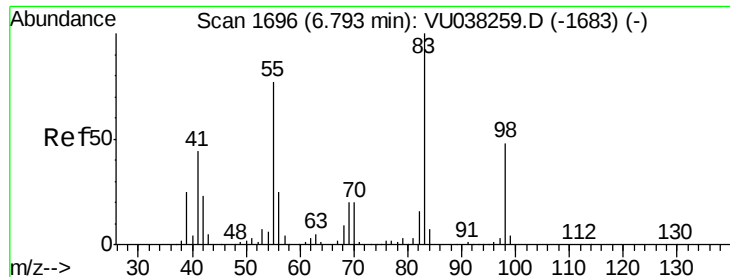
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#33
Benzene
Concen: 267.427 ug/L m
RT: 5.84 min Scan# 1400
Delta R.T. 0.03 min
Lab File: VU038264.D
Acq: 21 May 2020 15:07

Tgt Ion: 78 Resp:30604785





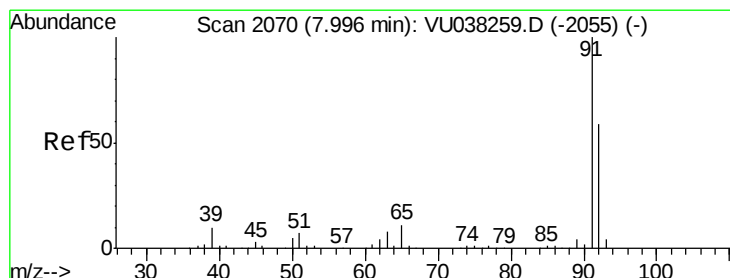
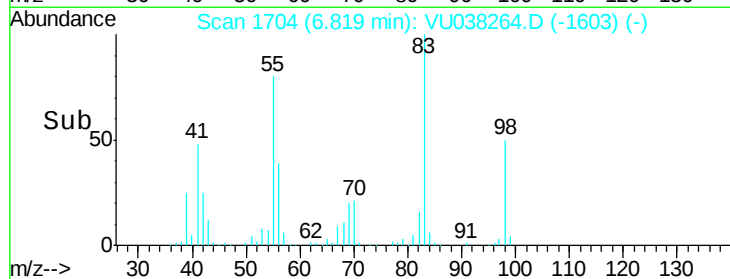
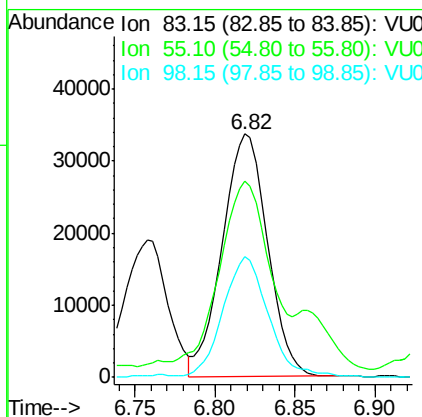
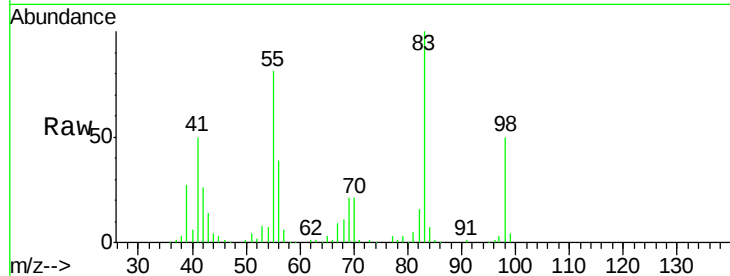
#35
Methvlcvclohexane
Concen: 1.397 ug/L
RT: 6.82 min Scan# 1704
Delta R.T. 0.03 min
Lab File: VU038264.D
Acq: 21 May 2020 15:07

Instrument :
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Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	66.7	100.1
98	50.6	39.4	59.2

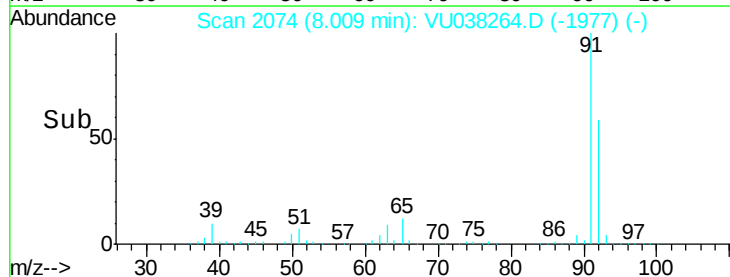
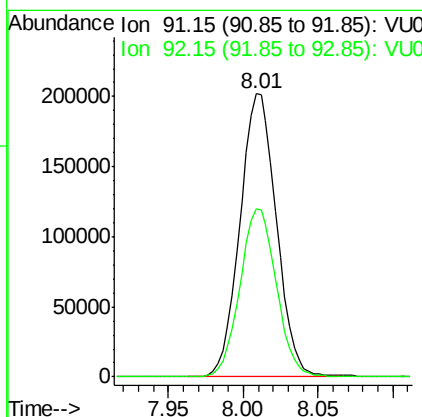
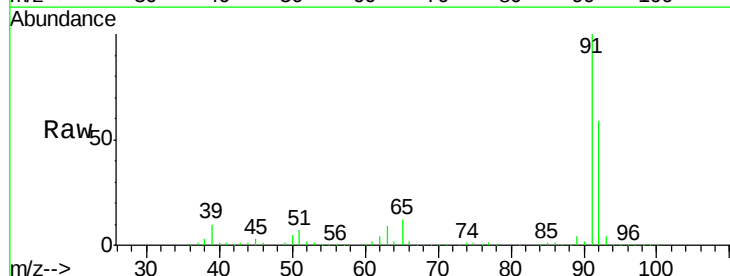
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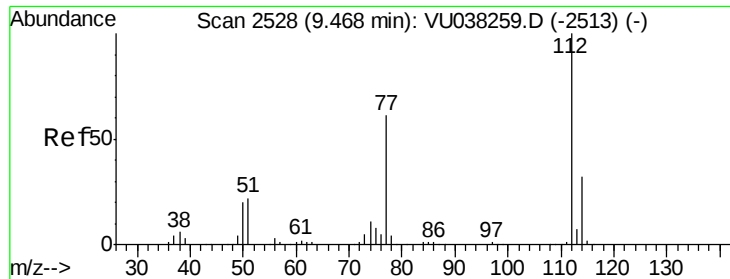
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#42
Toluene
Concen: 2.837 ug/L
RT: 8.01 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VU038264.D
Acq: 21 May 2020 15:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.4	40.9	75.9





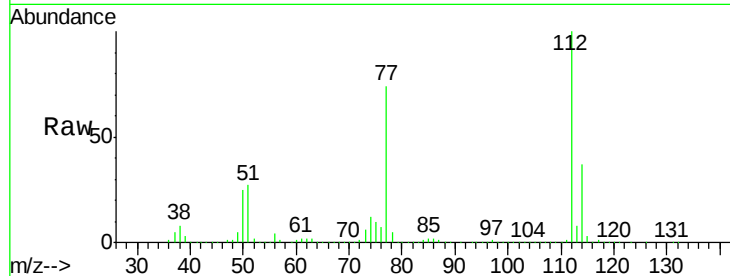
#51
Chlorobenzene
Concen: 257.091 ug/L m
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038264.D
Acq: 21 May 2020 15:07

Instrument :
MSVOA_U
ClientSampleId :
BE4T7

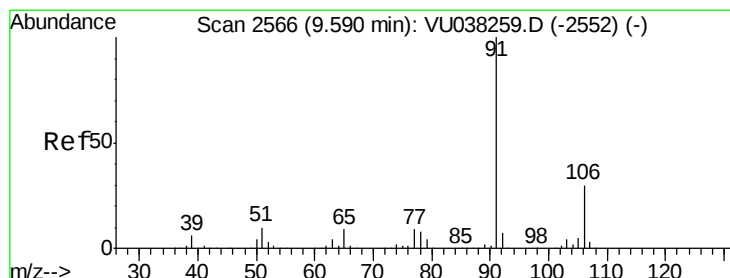
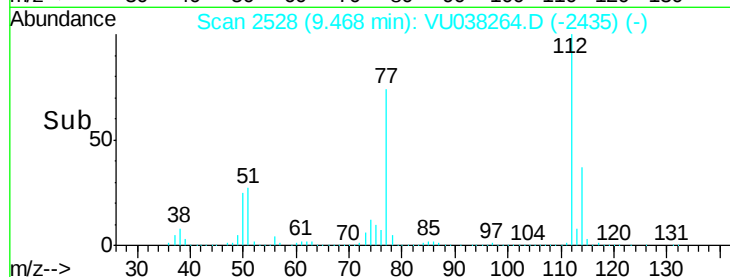
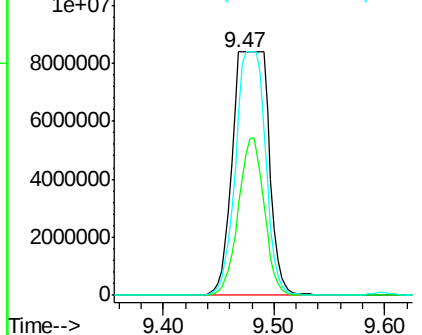
Tot Ion:112 Resp:19274742
Ion Ratio Lower Upper
112 100
114 36.7 22.5 41.7
77 73.9 49.9 74.9

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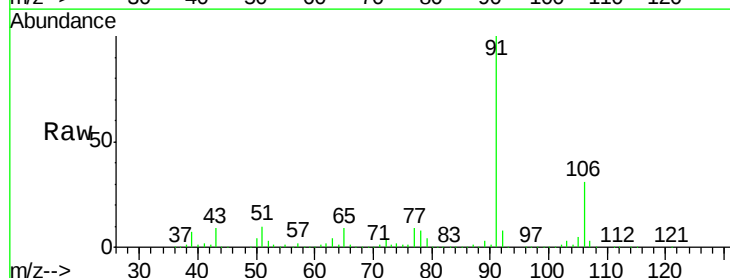


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

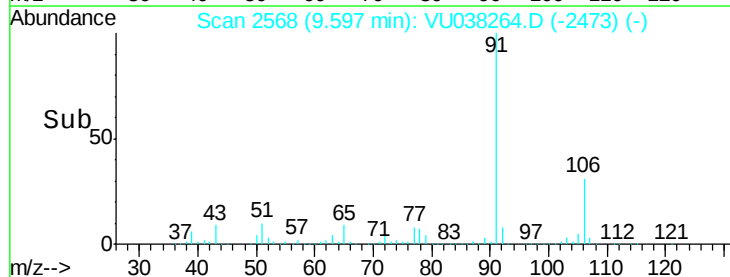
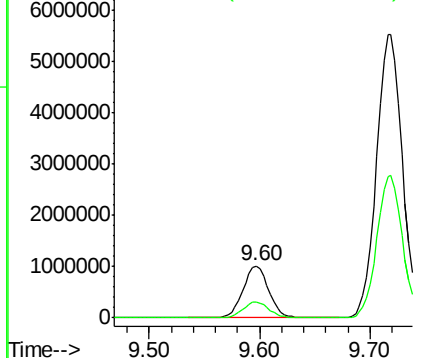


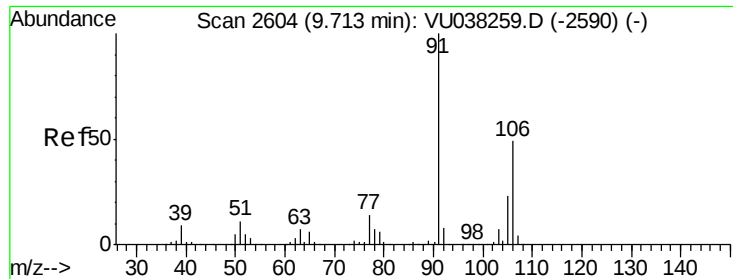
#52
Ethylbenzene
Concen: 12.526 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.01 min
Lab File: VU038264.D
Acq: 21 May 2020 15:07

Tgt Ion: 91 Resp: 1639210
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.4



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





#53

m,p-Xylene

Concen: 90.346 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.01 min

Lab File: VU038264.D

Acq: 21 May 2020 15:07

Instrument :

MSVOA_U

ClientSampled :

BE4T7

Tot Ion:106 Resp: 4533493

Ion Ratio Lower Upper

106 100

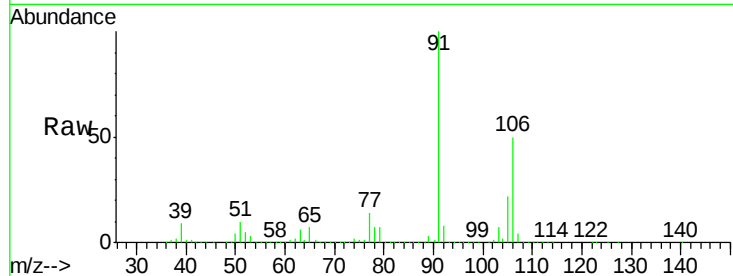
91 198.8 142.1 263.9

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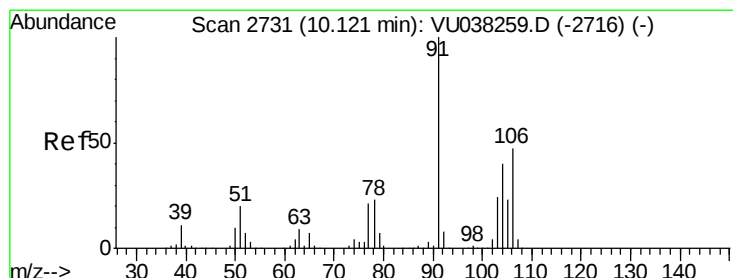
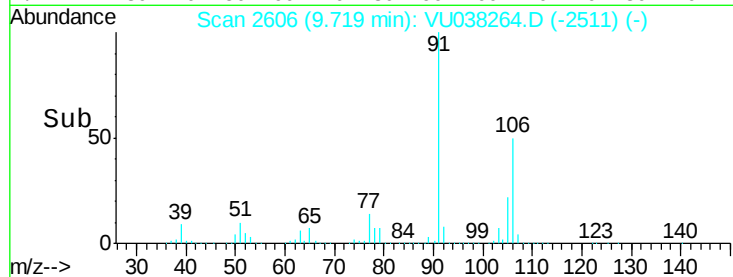
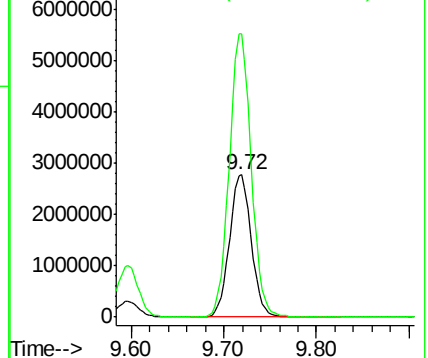
MMDadoda

5/22/2020 10:51:50 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 16.434 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU038264.D

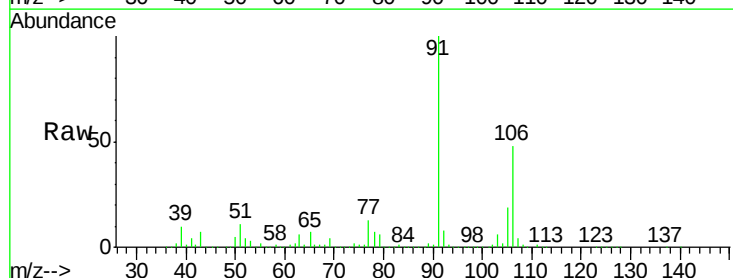
Acq: 21 May 2020 15:07

Tgt Ion:106 Resp: 797320

Ion Ratio Lower Upper

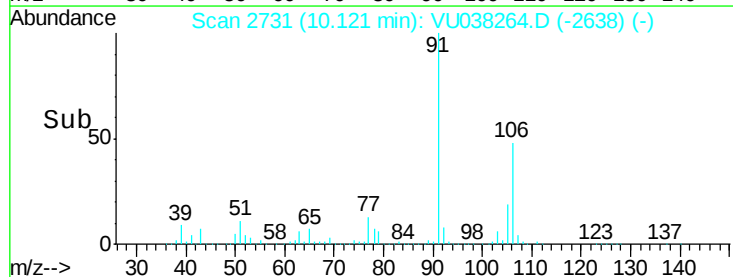
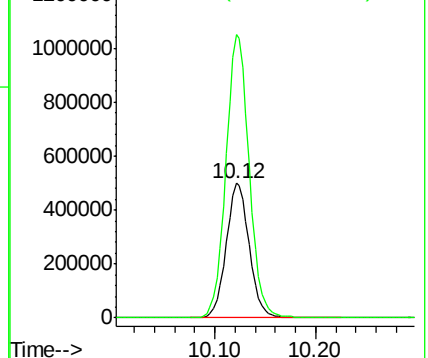
106 100

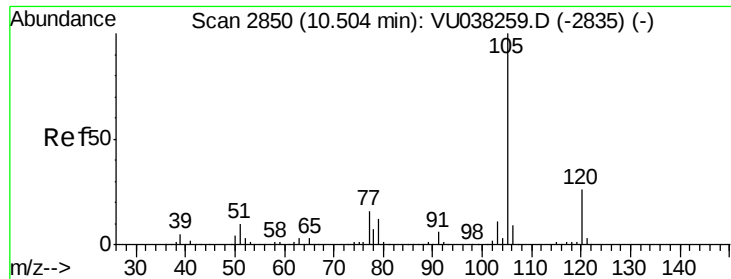
91 210.5 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 41.336 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU038264.D

Acq: 21 May 2020 15:07

Instrument :

MSVOA_U

ClientSampleId :

BE4T7

Tot Ion:105 Resp: 5151452

Ion Ratio Lower Upper

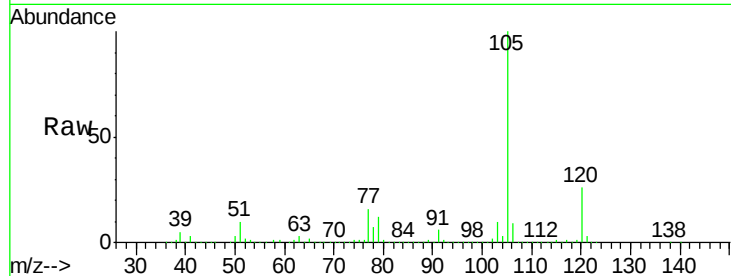
105 100

120 25.9 21.0 31.6

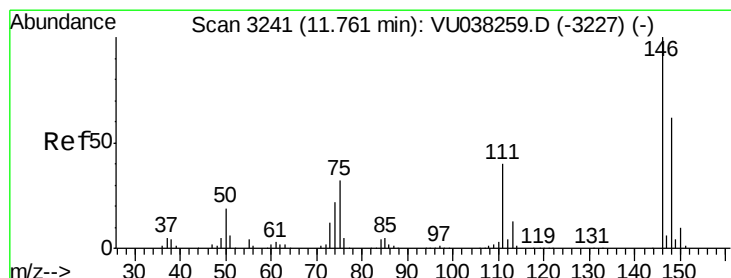
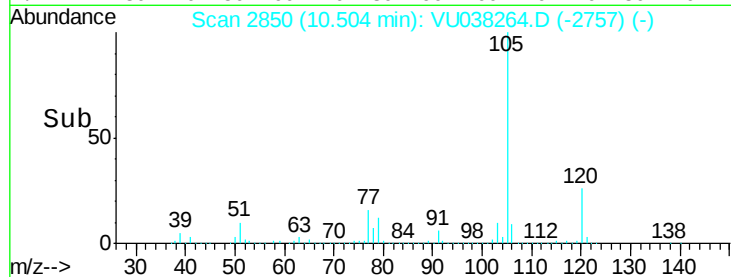
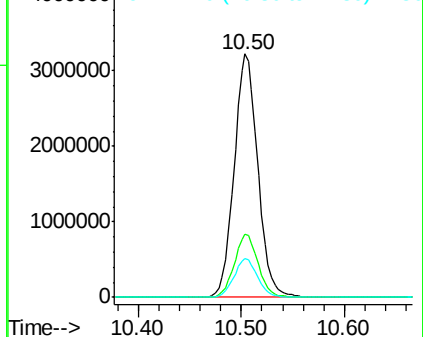
77 15.9 13.0 19.4

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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



#62

1,3-Dichlorobenzene

Concen: 0.641 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038264.D

Acq: 21 May 2020 15:07

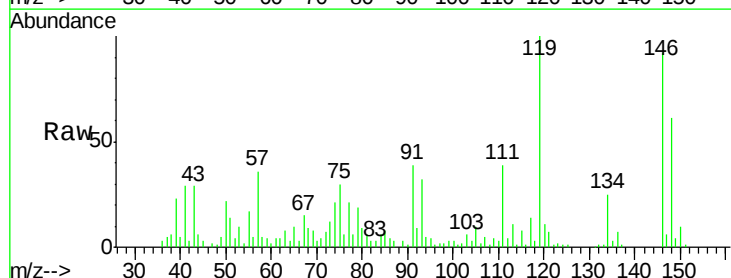
Tgt Ion:146 Resp: 38210

Ion Ratio Lower Upper

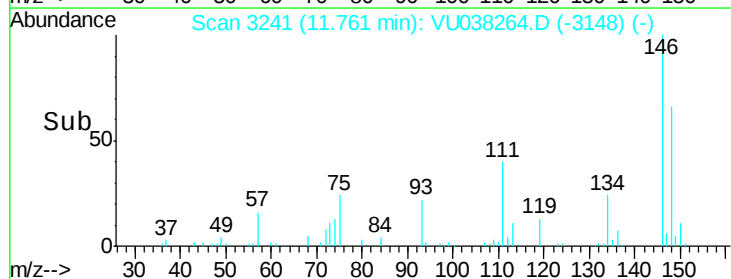
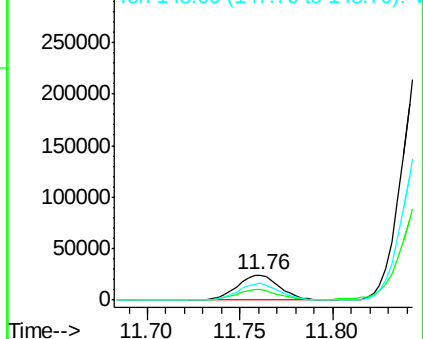
146 100

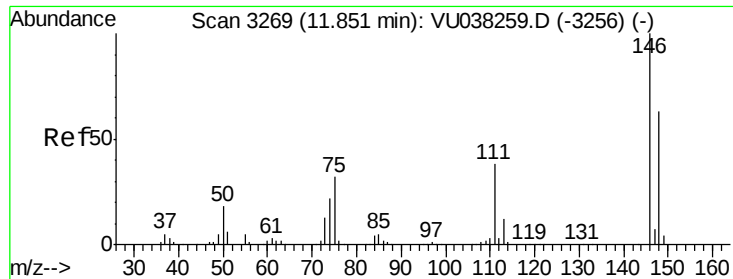
111 42.7 28.6 53.2

148 66.4 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





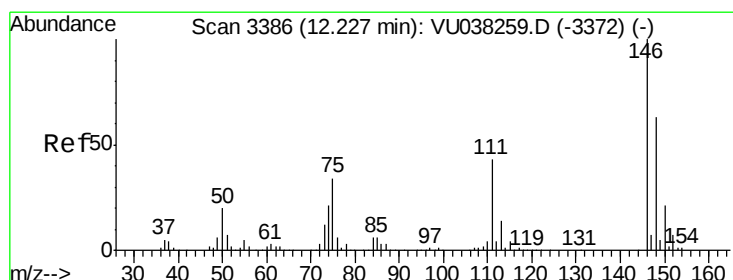
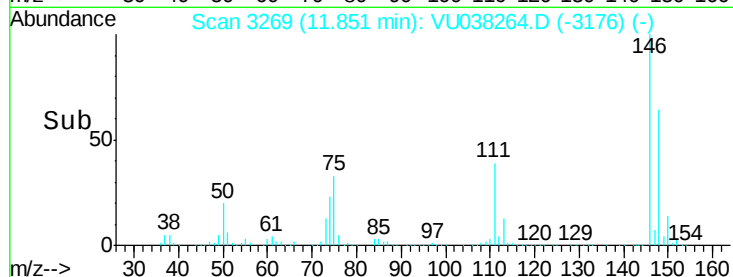
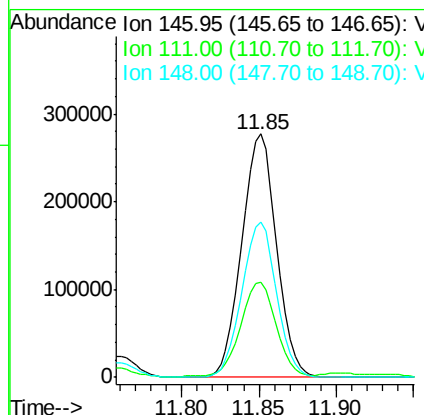
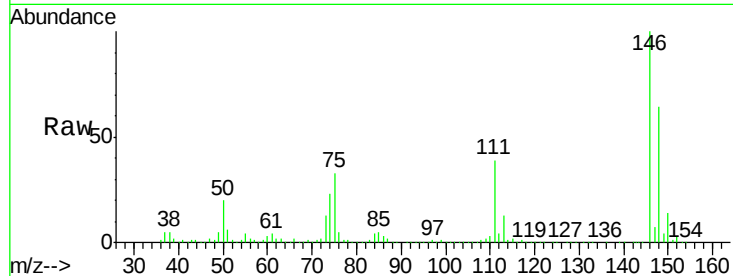
#63
 1,4-Dichlorobenzene
 Concen: 7.154 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038264.D
 Acq: 21 May 2020 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4T7

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.2	50.6
148	64.0	43.8	81.3

Manual Integrations
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#65
 1,2-Dichlorobenzene
 Concen: 5.536 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038264.D
 Acq: 21 May 2020 15:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	35.3	52.9
148	63.1	51.0	76.4

