

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080620\
 Data File : VU039767.D
 Acq On : 06 Aug 2020 19:50
 Operator : SY/MD
 Sample : L3578-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFWN9

Manual Integrations
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 8/7/2020 2:26:34 PM

Quant Time: Aug 07 05:10:55 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	6.29	114	111210	5.00	ug/L	0.02
28) Chlorobenzene-d5	9.43	117	105835	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48652	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.58	65	442525	73.69	ug/L	-0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	1473.80%#
7) Chloroethane-d5	1.92	69	21248	3.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.40%
11) 1,1-Dichloroethene-d2	2.59	63	437104	36.14	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	722.80%#
20) 2-Butanone-d5	0.00	46	0d	0.00	ug/L	
Spiked Amount	50.000	Range	40 - 130	Recovery	=	0.00%#
24) Chloroform-d	5.14	84	52743	3.52	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.40%
26) 1,2-Dichloroethane-d4	5.74	65	39481	4.42	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.77	84	118445	4.71	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.72	67	41387	4.80	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.92	98	103358	4.63	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.20	79	17273	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
46) 2-Hexanone-d5	8.65	63	90680	50.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.38%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	38348	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	40873	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

						Qvalue
5) Vinyl chloride	1.58	62	24174629m	2673.556	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	905474	118.665	ug/L	96
12) 1,1-Dichloroethene	2.60	96	737259	111.136	ug/L #	77
14) Carbon disulfide	2.82	76	174442	8.410	ug/L	99
16) Methylene chloride	3.07	84	30006	2.806	ug/L	93
18) trans-1,2-Dichloroethene	3.38	96	14891021	2016.220	ug/L	79
19) 1,1-Dichloroethane	3.92	63	86304m	6.330	ug/L	
22) cis-1,2-Dichloroethene	4.68	96	129970861m	16179.565	ug/L	
25) Chloroform	5.17	83	61643	4.206	ug/L	95
27) 1,2-Dichloroethane	5.82	62	1997	0.198	ug/L #	71
33) Benzene	5.82	78	183563	6.366	ug/L	100
34) Trichloroethene	6.57	95	448248	59.855	ug/L	97
40) 4-Methyl-2-pentanone	7.81	43	32648	5.704	ug/L	98
42) Toluene	8.00	91	12581428	415.189	ug/L	99
51) Chlorobenzene	9.46	112	27365	1.344	ug/L	97
52) Ethylbenzene	9.58	91	1521379	44.858	ug/L	97
53) m,p-Xylene	9.70	106	1618612	125.324	ug/L	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.10	106	423450	33.483	ug/L	89
56) Isopropylbenzene	10.48	105	3469	0.103	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	11844	0.844	ug/L	97

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

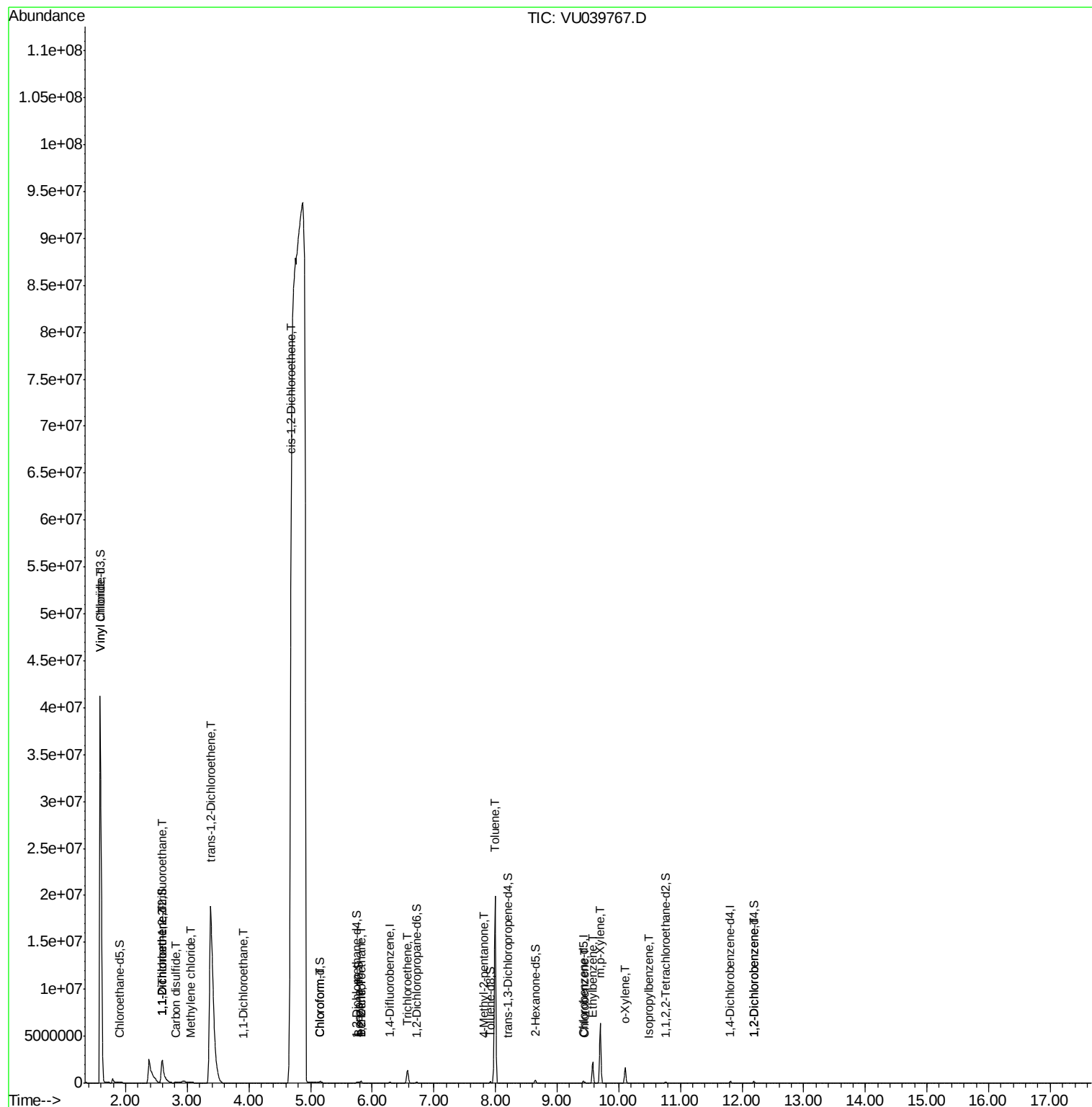
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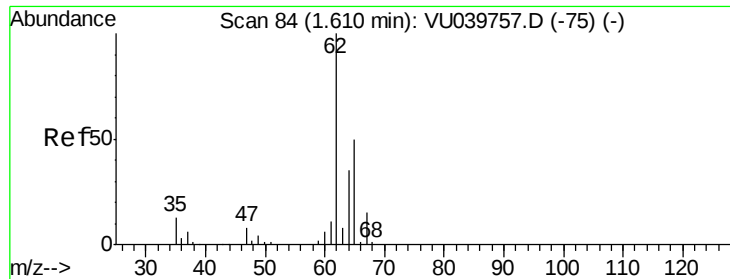
Instrument :
MSVOA_U
ClientSampleId :
BFWN9

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2673.556 ug/L m

RT: 1.58 min Scan# 75

Delta R.T. -0.03 min

Lab File: VU039767.D

Acq: 06 Aug 2020 19:50

Instrument :

MSVOA_U

ClientSampleId :

BFWN9

Tgt Ion: 62 Resp: 24174629

Ion Ratio Lower Upper

62 100

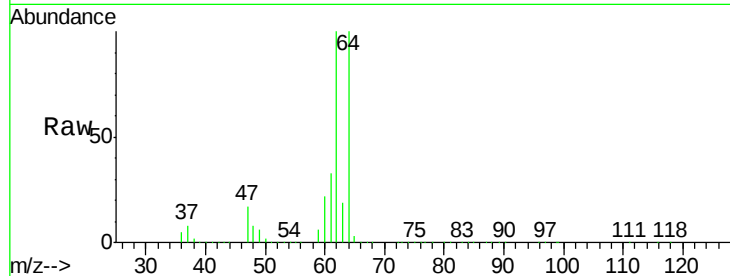
64 100.0 24.1 44.7#

Manual Integrations

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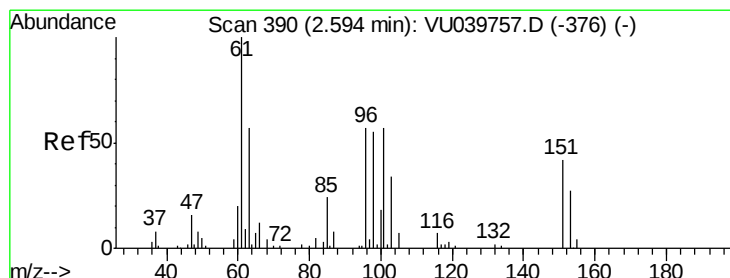
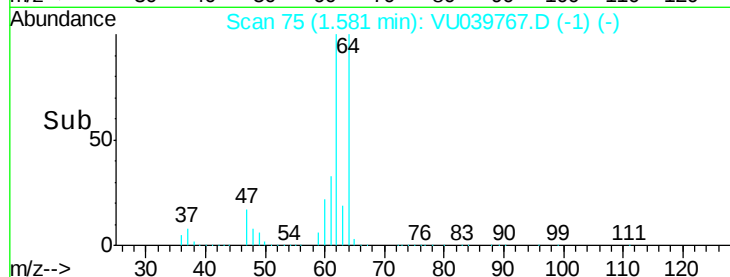
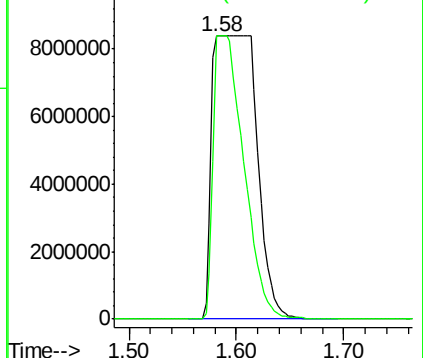
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Abundance Ion 62.00 (61.70 to 62.70): VU039767.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039767.D (-1) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 118.665 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039767.D

Acq: 06 Aug 2020 19:50

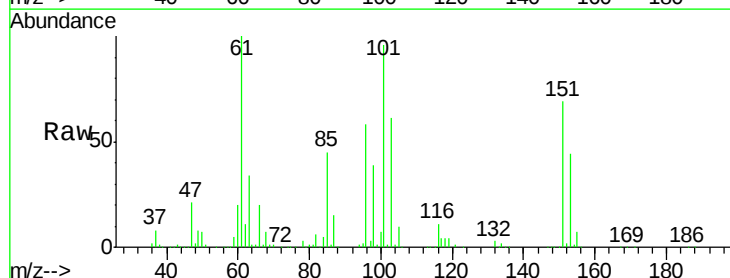
Tgt Ion: 101 Resp: 905474

Ion Ratio Lower Upper

101 100

85 46.3 37.9 56.9

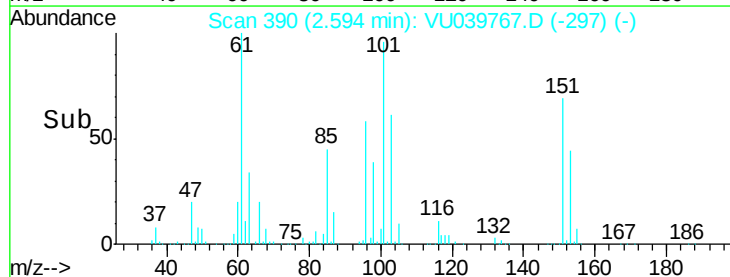
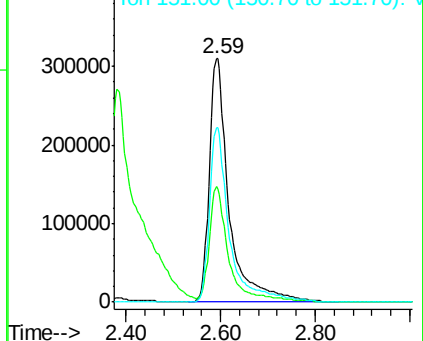
151 72.6 54.7 82.1

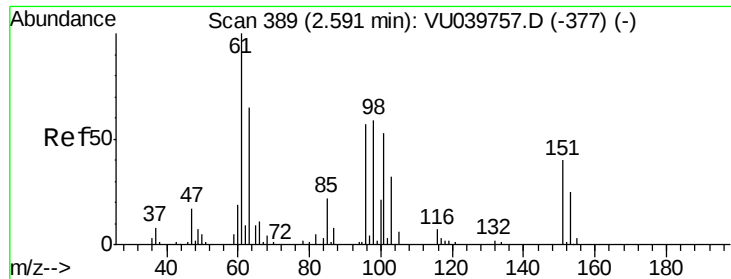


Abundance Ion 101.00 (100.70 to 101.70): VU039767.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU039767.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU039767.D (-297) (-)





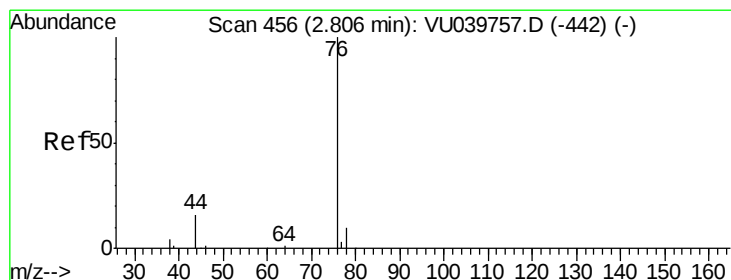
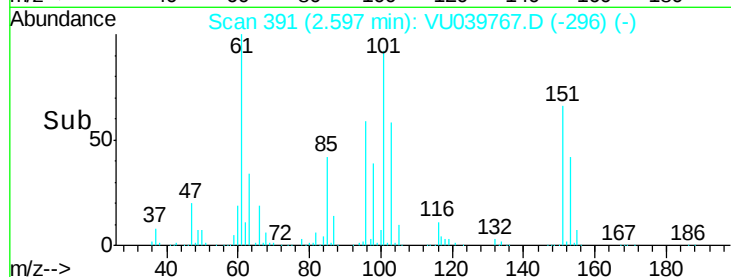
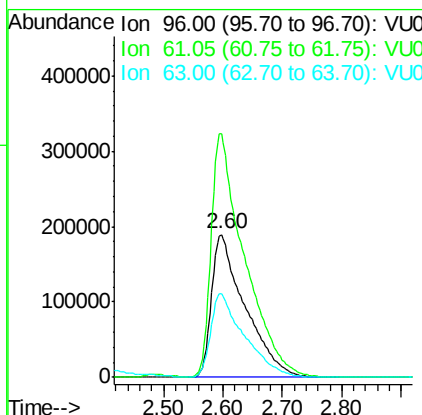
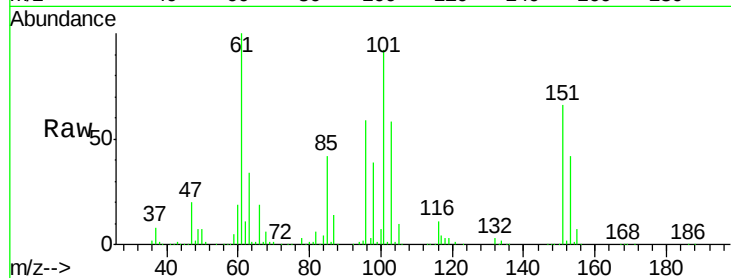
#12
 1,1-Dichloroethene
 Concen: 111.136 ug/L
 RT: 2.60 min Scan# 391
 Delta R.T. 0.01 min
 Lab File: VU039767.D
 Acq: 06 Aug 2020 19:50

Instrument :
 MSVOA_U
 ClientSampled :
 BFWN9

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	121.7	225.9
63	58.2	82.1	152.5

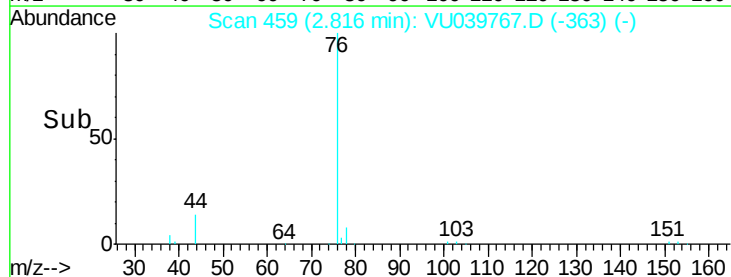
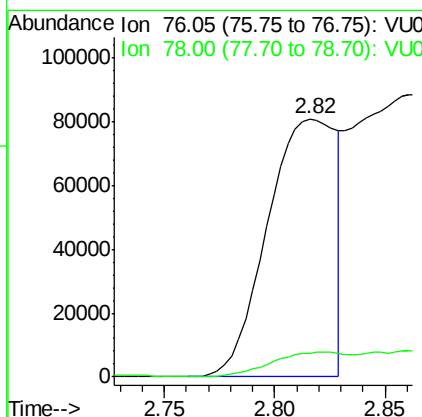
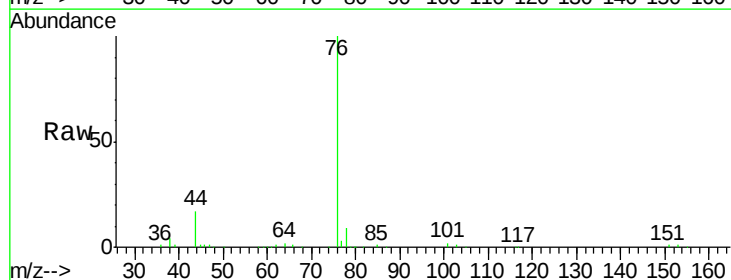
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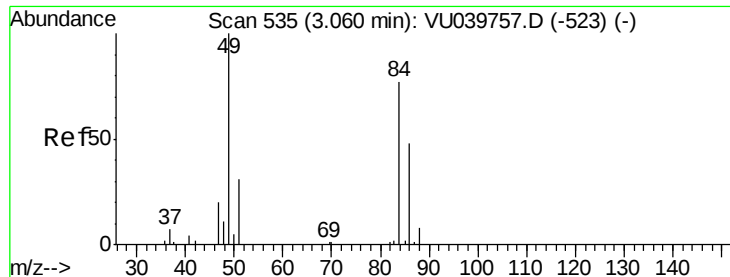
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#14
 Carbon disulfide
 Concen: 8.410 ug/L
 RT: 2.82 min Scan# 459
 Delta R.T. 0.01 min
 Lab File: VU039767.D
 Acq: 06 Aug 2020 19:50

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.8	11.6





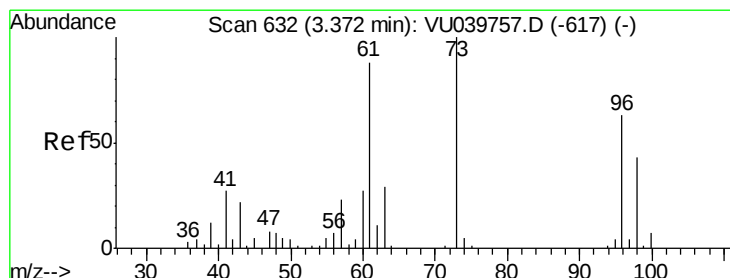
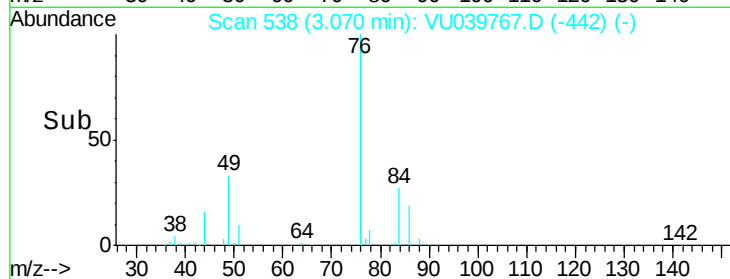
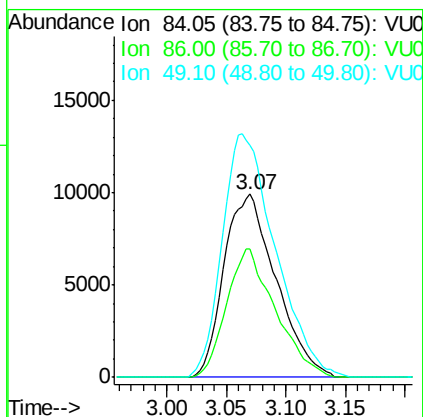
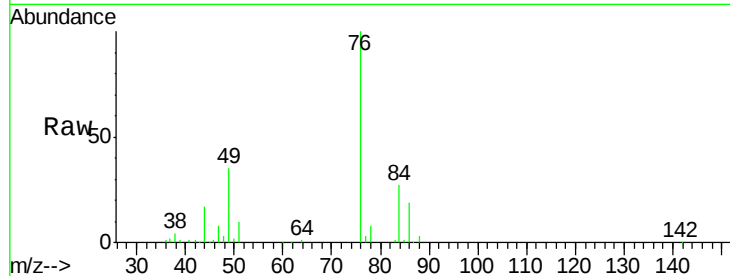
#16
Methylene chloride
Concen: 2.806 ug/L
RT: 3.07 min Scan# 538
Delta R.T. 0.01 min
Lab File: VU039767.D
Acq: 06 Aug 2020 19:50

Instrument :
MSVOA_U
ClientSampleId :
BFWN9

Tgt Ion: 84 Resp: 30006
Ion Ratio Lower Upper
84 100
86 70.0 43.9 81.5
49 127.1 94.4 175.4

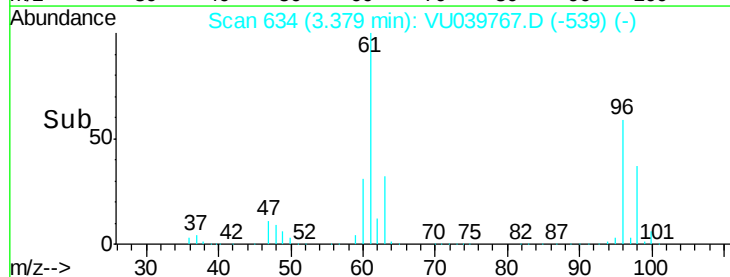
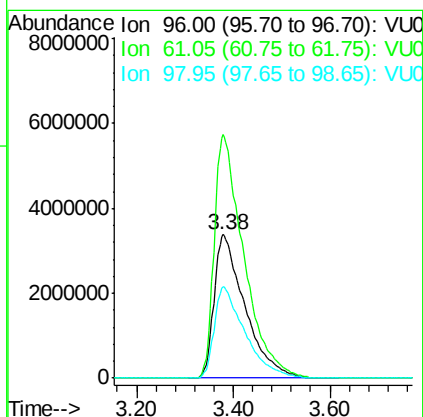
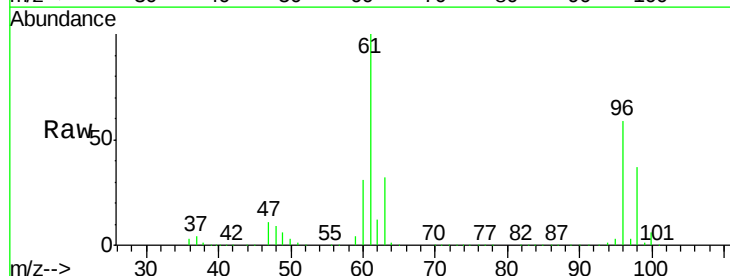
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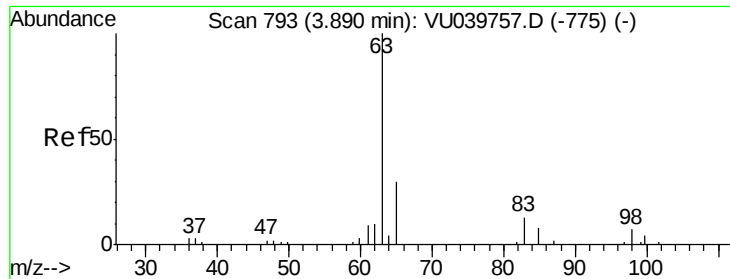
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#18
trans-1,2-Dichloroethene
Concen: 2016.220 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.01 min
Lab File: VU039767.D
Acq: 06 Aug 2020 19:50

Tgt Ion: 96 Resp: 14891021
Ion Ratio Lower Upper
96 100
61 169.8 96.5 179.1
98 63.7 40.9 76.0





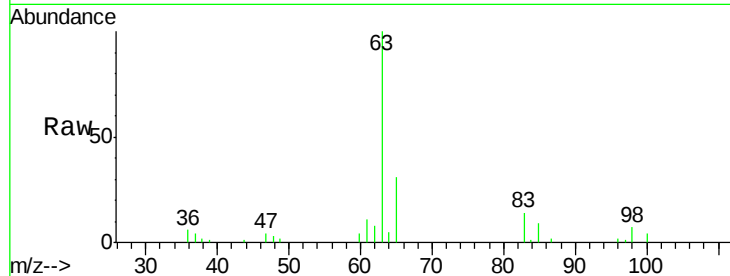
#19
 1,1-Dichloroethane
 Concen: 6.330 ug/L m
 RT: 3.92 min Scan# 803
 Delta R.T. 0.03 min
 Lab File: VU039767.D
 Acq: 06 Aug 2020 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
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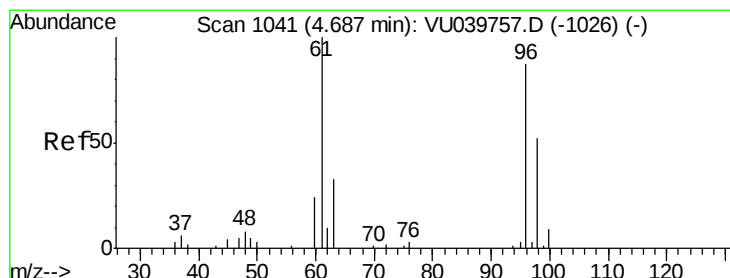
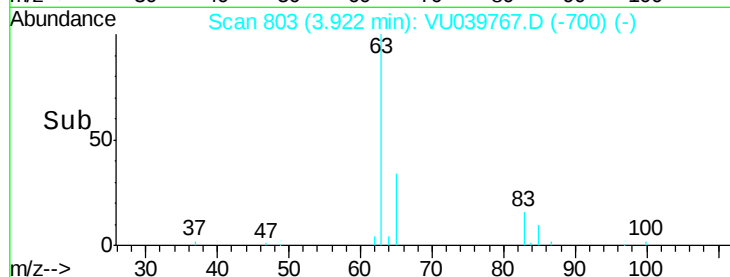
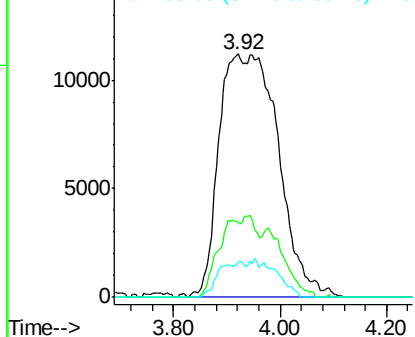
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.7	22.0	41.0
83	14.2	10.9	20.2

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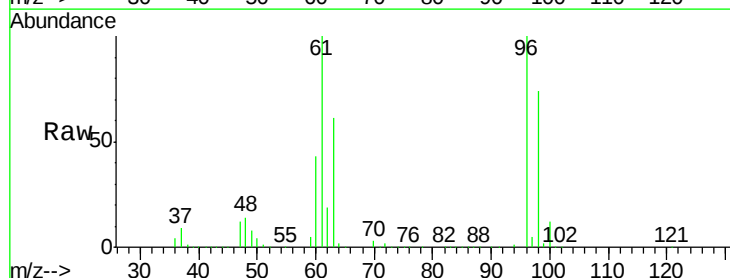


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

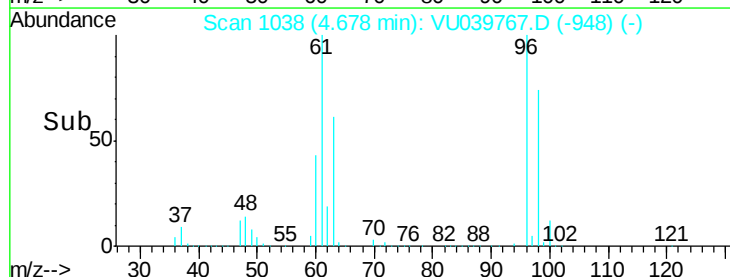
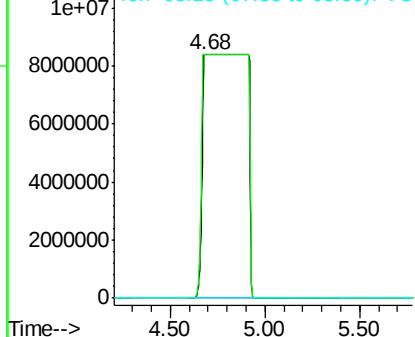


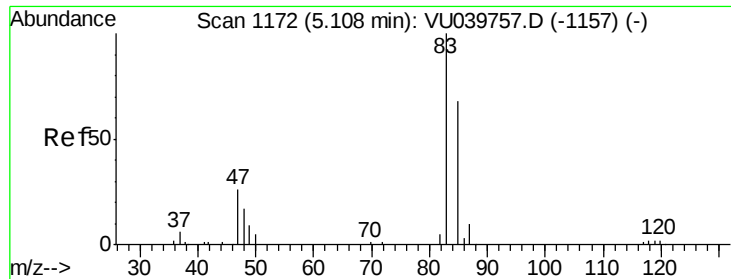
#22
 cis-1,2-Dichloroethene
 Concen: 16179.565 ug/L m
 RT: 4.68 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: VU039767.D
 Acq: 06 Aug 2020 19:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	100.0	87.4	162.2
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





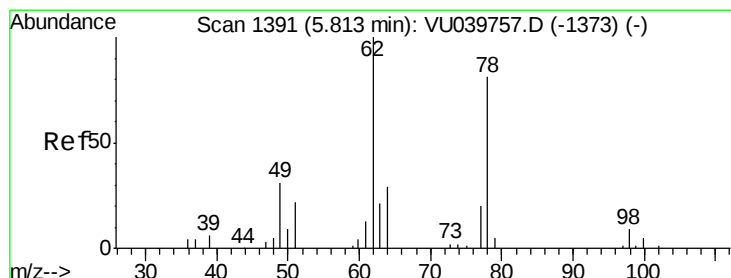
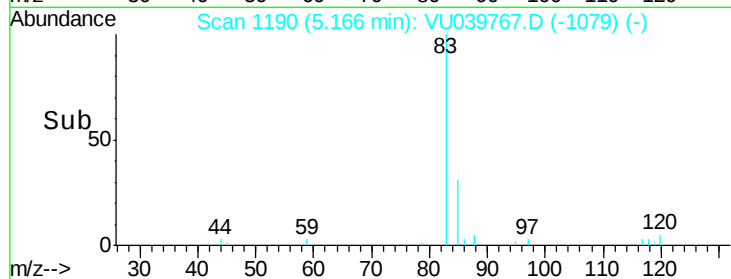
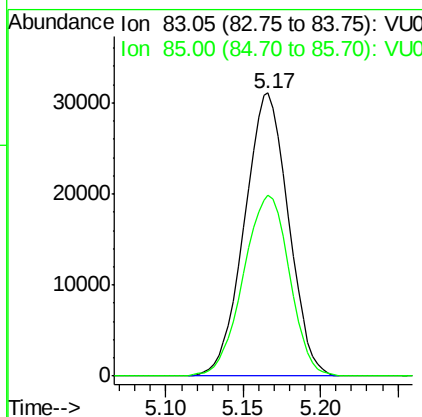
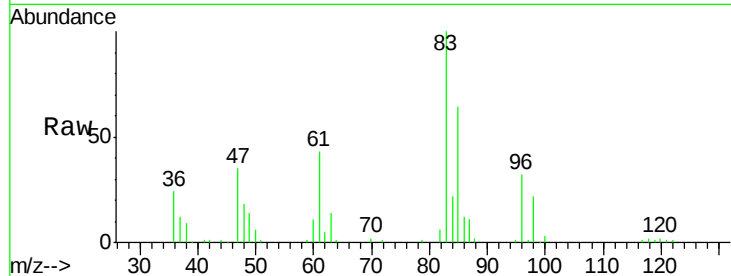
#25
Chloroform
Concen: 4.206 ug/L
RT: 5.17 min Scan# 1190
Delta R.T. 0.06 min
Lab File: VU039767.D
Acq: 06 Aug 2020 19:50

Instrument :
MSVOA_U
ClientSampleId :
BFWN9

Tgt Ion: 83 Resp: 61643
Ion Ratio Lower Upper
83 100
85 63.9 42.1 78.3

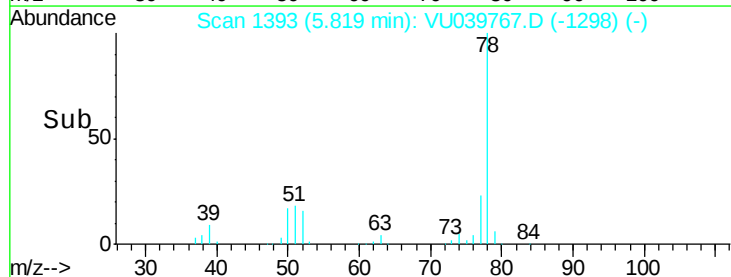
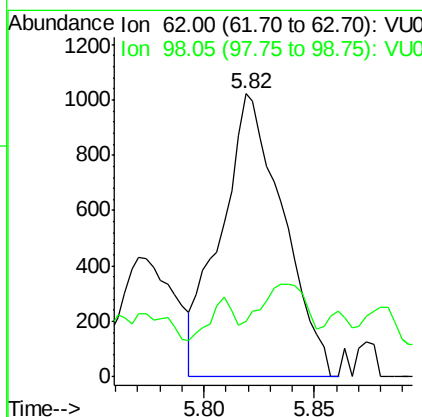
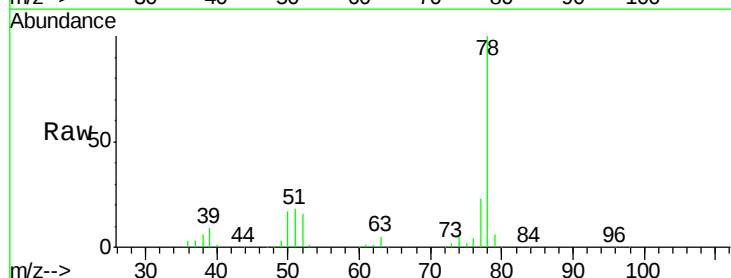
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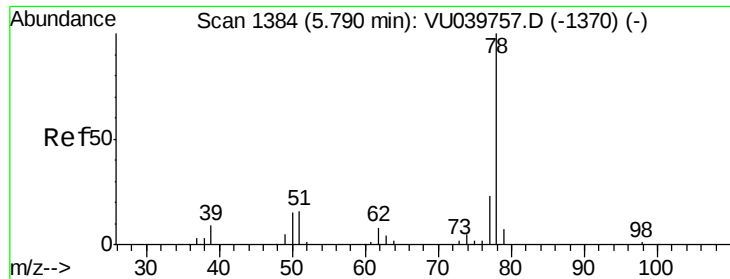
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#27
1,2-Dichloroethane
Concen: 0.198 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VU039767.D
Acq: 06 Aug 2020 19:50

Tgt Ion: 62 Resp: 1997
Ion Ratio Lower Upper
62 100
98 19.8 7.3 10.9#





#33

Benzene

Concen: 6.366 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.03 min

Lab File: VU039767.D

Acq: 06 Aug 2020 19:50

Instrument :

MSVOA_U

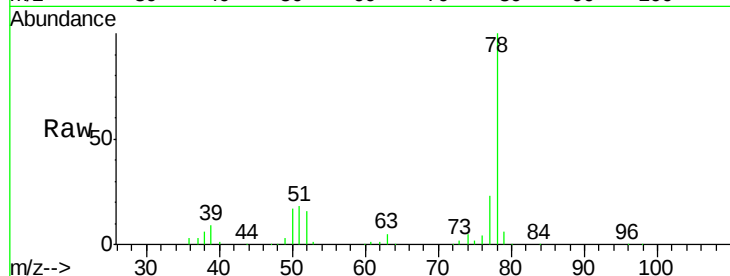
ClientSampled :

BFWN9

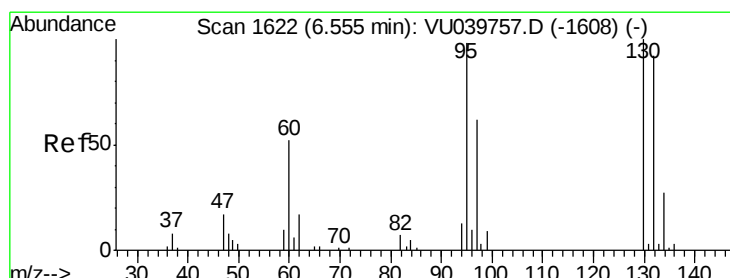
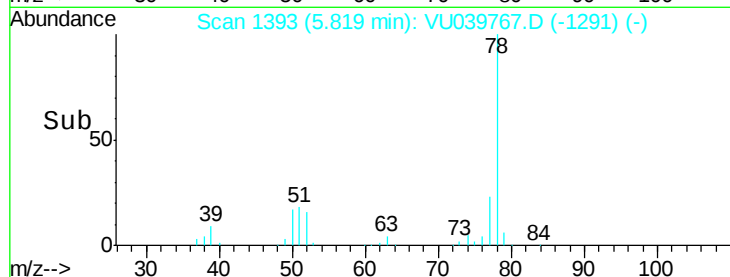
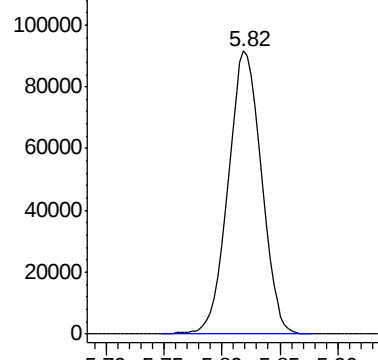
Tgt Ion: 78 Resp: 183563

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Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 59.855 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.02 min

Lab File: VU039767.D

Acq: 06 Aug 2020 19:50

Tgt Ion: 95 Resp: 448248

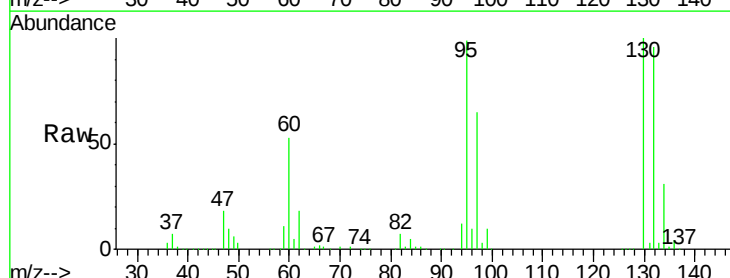
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.0	81.8
132	96.8	71.7	133.3
130	100.7	71.1	132.1

95 100

97 65.2 44.0 81.8

132 96.8 71.7 133.3

130 100.7 71.1 132.1

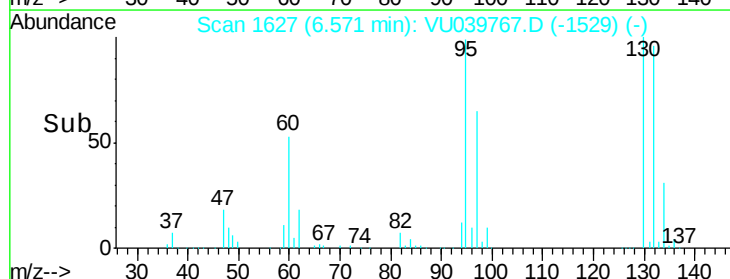
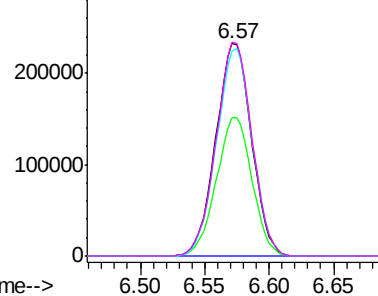


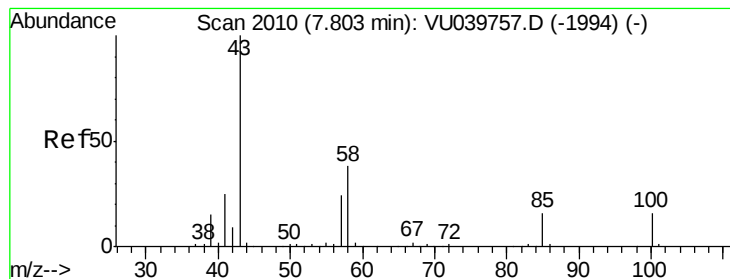
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.704 ug/L

RT: 7.81 min Scan# 2013

Delta R.T. 0.01 min

Lab File: VU039767.D

Acq: 06 Aug 2020 19:50

Instrument :

MSVOA_U

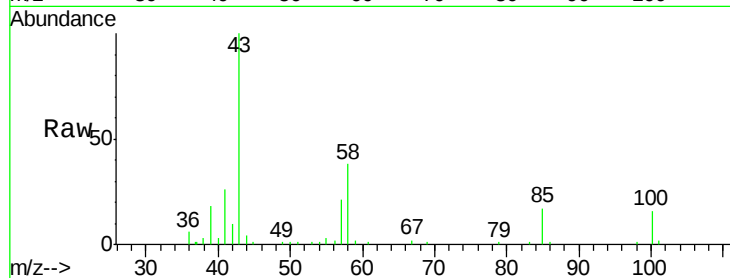
ClientSampleId :

BFWN9

Tgt Ion:	43	Resp:	32648
Ion	Ratio	Lower	Upper
43	100		
58	37.9	29.4	44.2
100	14.3	11.7	17.5

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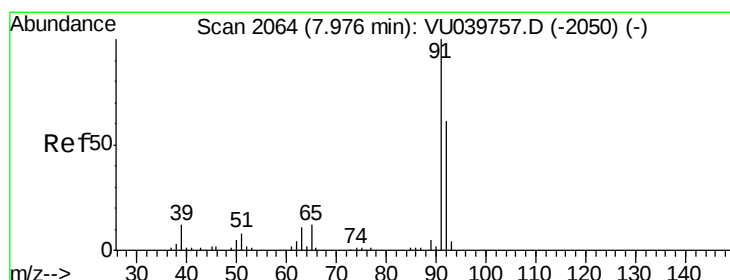
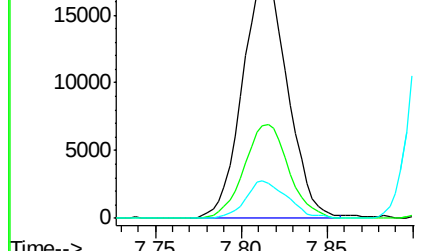
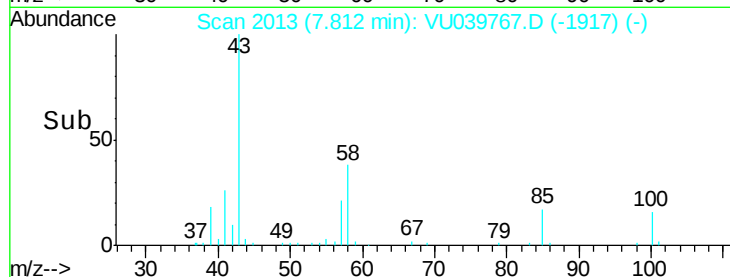


Abundance Ion 43.05 (42.75 to 43.75): VU039757.D (-1994) (-)

Ion 58.05 (57.75 to 58.75): VU039757.D (-1994) (-)

Ion 100.15 (99.85 to 100.85): VU039757.D (-1994) (-)

Time-->



#42

Toluene

Concen: 415.189 ug/L

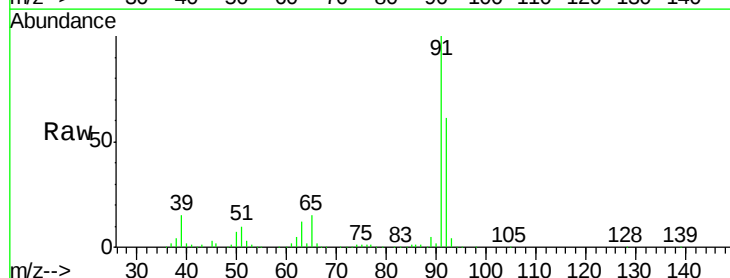
RT: 8.00 min Scan# 2070

Delta R.T. 0.02 min

Lab File: VU039767.D

Acq: 06 Aug 2020 19:50

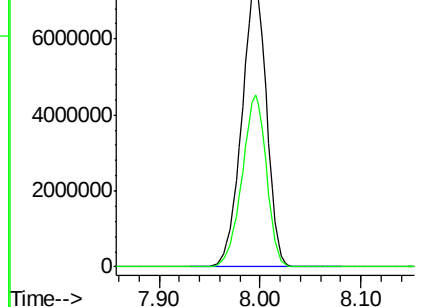
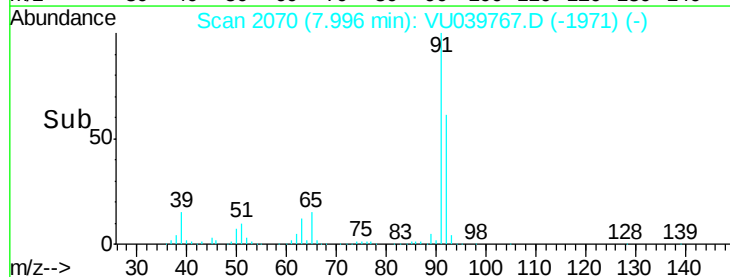
Tgt Ion:	91	Resp:	12581428
Ion	Ratio	Lower	Upper
91	100		
92	60.6	41.6	77.3

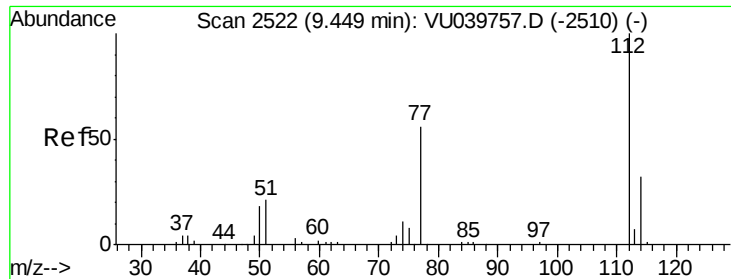


Abundance Ion 91.15 (90.85 to 91.85): VU039757.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039757.D (-2050) (-)

Time-->





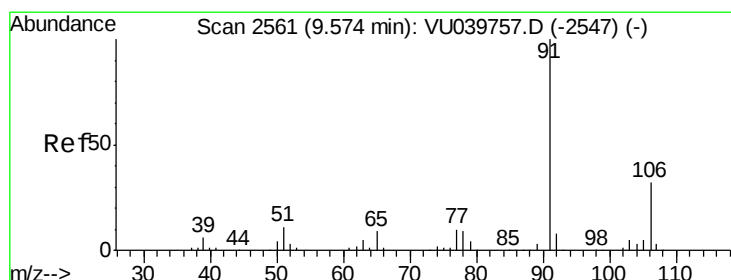
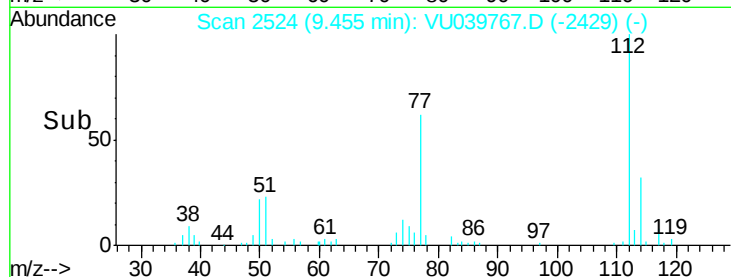
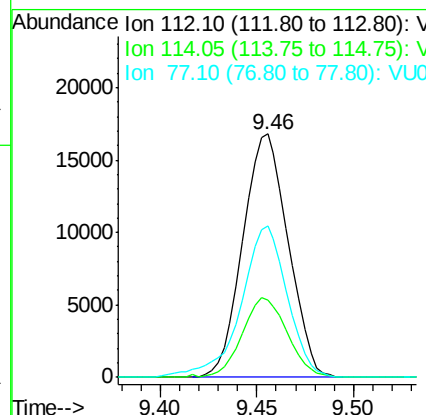
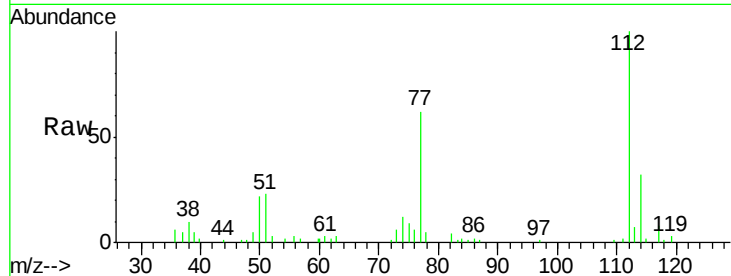
#51
Chlorobenzene
Concen: 1.344 ug/L
RT: 9.46 min Scan# 2524
Delta R.T. 0.01 min
Lab File: VU039767.D
Acq: 06 Aug 2020 19:50

Instrument :
MSVOA_U
ClientSampleId :
BFWN9

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	23.2	43.0
77	62.1	47.8	71.6

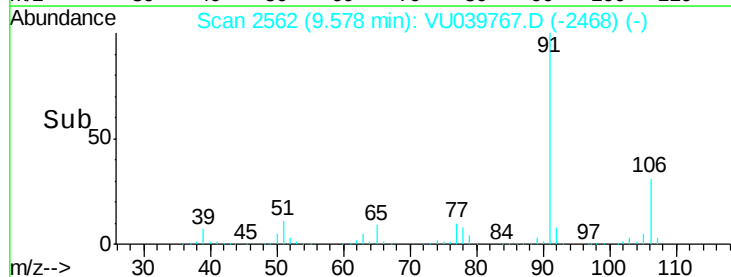
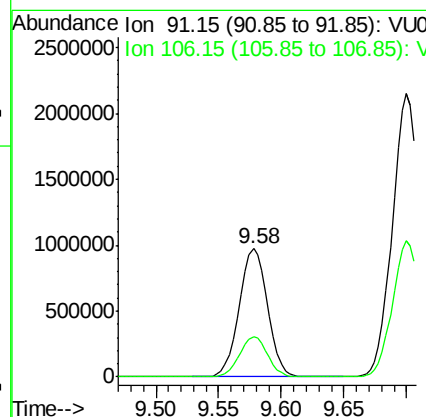
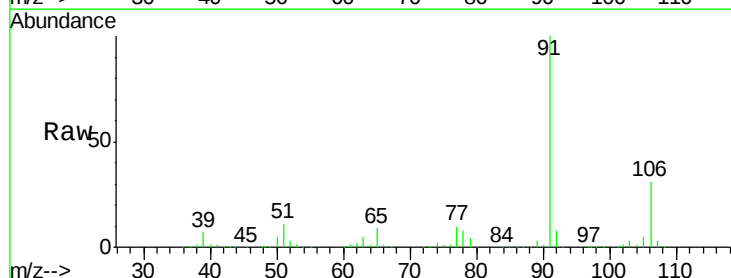
Manual Integrations
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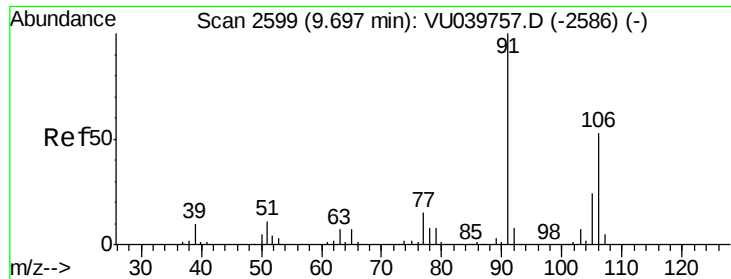
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#52
Ethylbenzene
Concen: 44.858 ug/L
RT: 9.58 min Scan# 2562
Delta R.T. 0.00 min
Lab File: VU039767.D
Acq: 06 Aug 2020 19:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	22.8	42.4





#53

m,p-Xylene

Concen: 125.324 ug/L

RT: 9.70 min Scan# 2600

Delta R.T. 0.00 min

Lab File: VU039767.D

Acq: 06 Aug 2020 19:50

Instrument :

MSVOA_U

ClientSampled :

BFWN9

Tgt Ion:106 Resp: 1618612

Ion Ratio Lower Upper

106 100

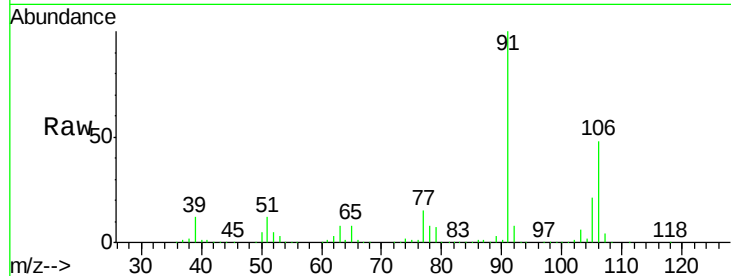
91 208.7 135.5 251.7

Manual Integrations

APPROVED

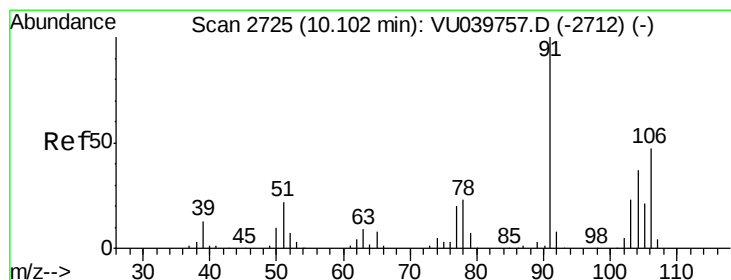
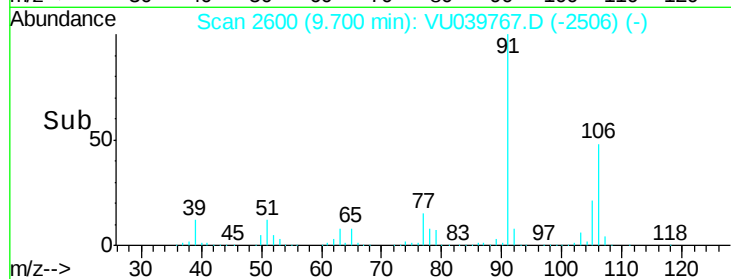
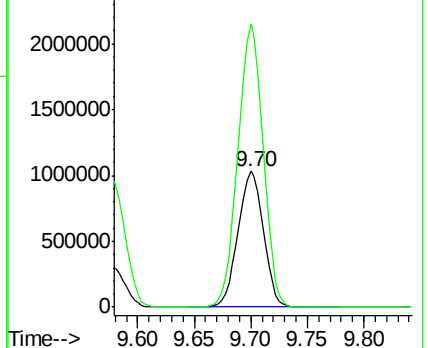
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 33.483 ug/L

RT: 10.10 min Scan# 2726

Delta R.T. 0.00 min

Lab File: VU039767.D

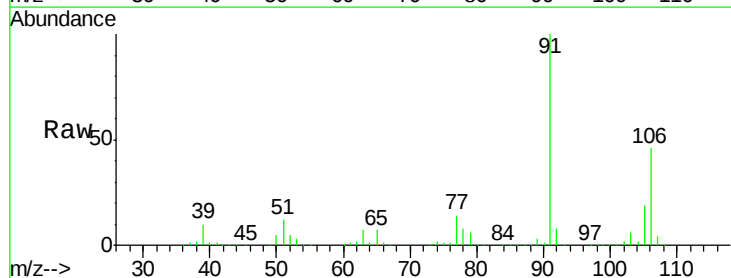
Acq: 06 Aug 2020 19:50

Tgt Ion:106 Resp: 423450

Ion Ratio Lower Upper

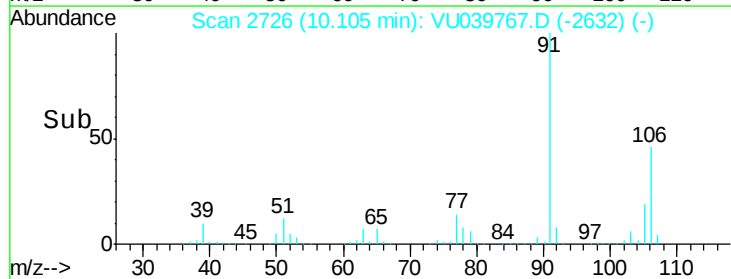
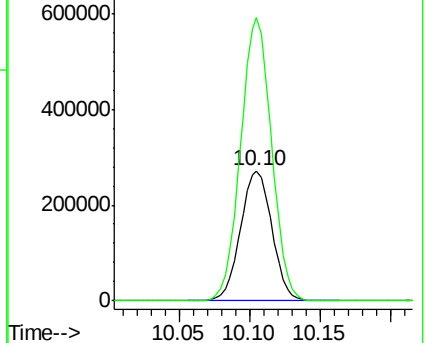
106 100

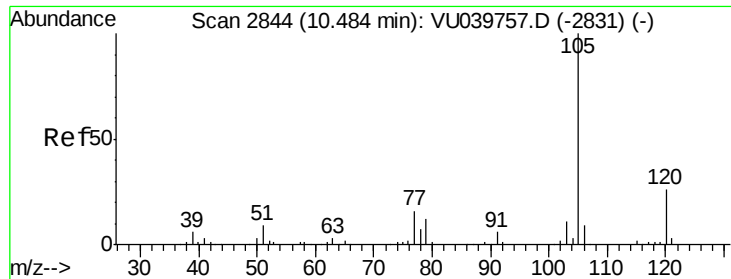
91 217.9 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.103 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039767.D

Acq: 06 Aug 2020 19:50

Instrument :

MSVOA_U

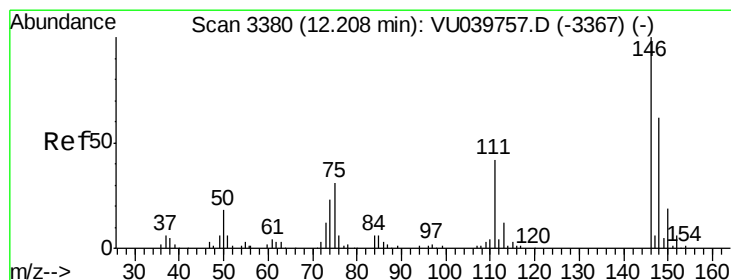
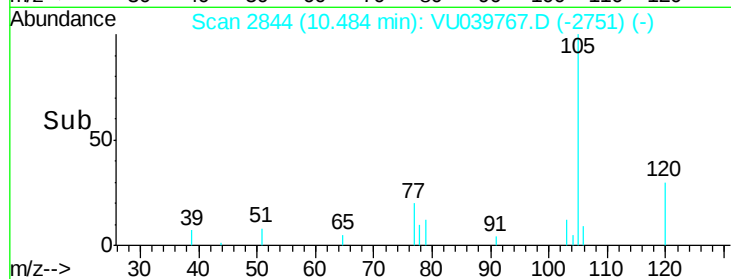
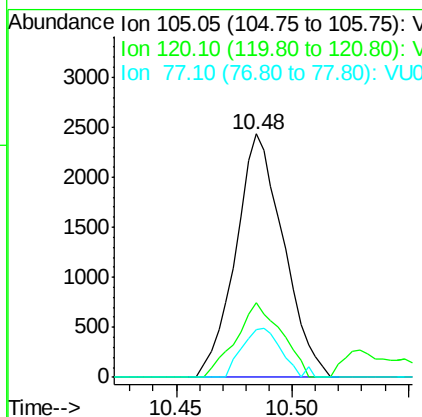
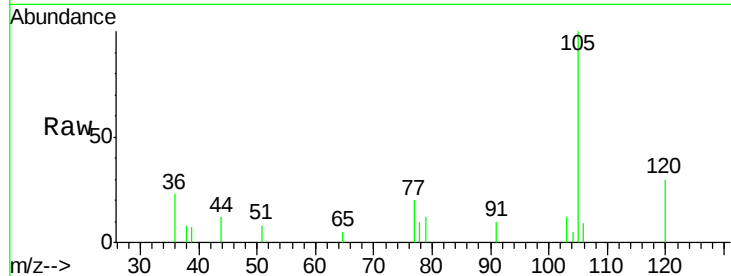
ClientSampleId :

BFWN9

Tgt Ion:	105	Resp:	3469
Ion Ratio	Lower	Upper	
105	100		
120	29.2	21.0	31.6
77	16.7	12.9	19.3

Manual Integrations
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#65

1,2-Dichlorobenzene

Concen: 0.844 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039767.D

Acq: 06 Aug 2020 19:50

Tgt Ion:	146	Resp:	11844
Ion Ratio	Lower	Upper	
146	100		
111	42.6	33.1	49.7
148	67.4	51.5	77.3

