

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050520\
 Data File : VU038013.D
 Acq On : 05 May 2020 13:14
 Operator : JC/MD
 Sample : VU0505WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VU0505WBS01

Manual Integrations
 APPROVED

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5/6/2020 10:39:30 AM

Quant Time: May 06 01:13:55 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue May 05 02:20:02 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.14	96	84137	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	31581	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	30638	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.40	85	59593	2.087	ug/l	99
3) Chloromethane	1.54	50	67096	1.984	ug/l	99
4) Vinyl Chloride	1.62	62	68764	2.042	ug/l	99
5) Bromomethane	1.87	94	36850	1.824	ug/l	100
6) Chloroethane	1.95	64	40437	2.010	ug/l	99
7) Trichlorofluoromethane	2.16	101	72208	2.057	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	45055	2.058	ug/l	97
9) 1,1-Dichloroethene	2.60	96	44878	2.042	ug/l	94
10) Iodomethane	2.75	142	25765	2.114	ug/l	98
11) Allyl Chloride	2.95	41	81232	1.993	ug/l	96
12) Acrylonitrile	3.35	53	23636	3.935	ug/l	96
13) Acetone	2.66	43	48236	10.038	ug/l	100
14) Carbon Disulfide	2.82	76	157894	1.968	ug/l	100
15) Methylene Chloride	3.08	84	68867	2.424	ug/l	98
16) trans-1,2-Dichloroethene	3.38	96	49355	2.052	ug/l	99
17) 1,1-Dichloroethane	3.91	63	94218	2.066	ug/l	99
18) 2-Butanone	4.76	43	72415	10.051	ug/l	99
19) Cyclohexane	5.42	56	87338m	1.975	ug/l	
20) Methylcyclohexane	6.79	83	85513	1.972	ug/l	99
21) 2,2-Dichloropropane	4.70	77	74328	1.950	ug/l	99
22) cis-1,2-Dichloroethene	4.71	96	51510	2.026	ug/l	98
23) Diethyl Ether	2.40	59	40921	2.123	ug/l	97
24) tert-Butyl Alcohol	3.23	59	39923	18.666	ug/l	99
25) Methyl tert-Butyl Ether	3.41	73	120785	2.006	ug/l	95
26) Bromochloromethane	5.01	128	20419	1.996	ug/l	97
27) Chloroform	5.13	83	86198	2.015	ug/l	97
28) 1,1,1-Trichloroethane	5.35	97	70565	2.002	ug/l	98
29) 1,1-Dichloropropene	5.56	75	71829	2.025	ug/l	98
30) Carbon Tetrachloride	5.56	117	58218	1.974	ug/l	96
31) Isopropyl Ether	4.04	45	148297	1.976	ug/l	99
32) Ethyl-t-butyl ether	4.55	59	130079	1.919	ug/l	99
33) Tert-Amyl methyl ether	5.98	73	110093	1.885	ug/l	98
34) Propionitrile	4.82	54	20078	9.734	ug/l	96
35) Benzene	5.81	78	203706	2.052	ug/l	100
36) 1,2-Dichloroethane	5.83	62	60766	2.069	ug/l	99
37) Trichloroethene	6.57	130	52662	2.021	ug/l	98
38) 1,2-Dichloropropane	6.82	63	54365	2.035	ug/l	97
39) Methacrylonitrile	5.02	41	18795	1.945	ug/l	98
40) Methyl acrylate	4.89	55	27146	1.907	ug/l #	96
41) Tetrahydrofuran	5.11	42	19121	3.967	ug/l	98
42) 1-Chlorobutane	5.49	56	103538	2.026	ug/l	99

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Instrument :
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 ClientSampleID :
 VU0505WBS01

Manual Integrations
 APPROVED

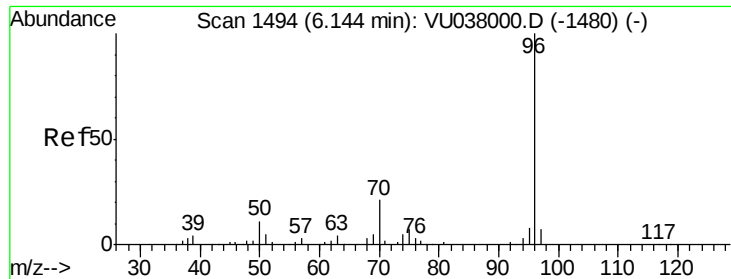
apatel

5/6/2020 10:39:30 AM

Quant Time: May 06 01:13:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 02:20:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	24366	1.958	ug/l	96
44) Bromodichloromethane	7.13	83	63540	2.033	ug/l	97
45) 4-Methyl-2-Pentanone	7.82	43	158888	9.369	ug/l	98
46) t-1,4-Dichloro-2-butene	10.85	75	19968m	3.808	ug/l	
47) Methyl methacrylate	6.99	69	46772	3.696	ug/l	99
48) Ethyl methacrylate	8.36	69	41610	1.776	ug/l	96
49) Toluene	7.99	92	125796	2.004	ug/l	98
50) t-1,3-Dichloropropene	8.23	75	57780	1.809	ug/l	94
51) cis-1,3-Dichloropropene	7.63	75	73494	1.917	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	36040	2.045	ug/l	98
53) 1,3-Dichloropropane	8.60	76	68079	2.058	ug/l	97
54) 2-Hexanone	8.71	43	108279	9.045	ug/l	99
55) Dibromochloromethane	8.83	129	36585	1.874	ug/l	99
56) 1,2-Dibromoethane	8.95	107	31540	1.897	ug/l	98
58) Tetrachloroethene	8.57	164	51618	2.122	ug/l	96
59) Chlorobenzene	9.47	112	132470	1.988	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.55	131	37822	1.869	ug/l	99
61) Pentachloroethane	11.44	117	28262	1.865	ug/l	95
62) Hexachloroethane	12.49	117	27151	1.721	ug/l	98
63) Ethyl Benzene	9.59	91	233051	1.966	ug/l	99
64) m/p-Xylenes	9.71	106	182479	3.999	ug/l	100
65) o-Xylene	10.12	106	86237	1.939	ug/l	98
66) Styrene	10.13	104	144817	1.976	ug/l	100
67) Bromoform	10.31	173	18356	1.787	ug/l #	97
69) Isopropylbenzene	10.50	105	227476	1.959	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.80	83	43689	1.935	ug/l	97
71) 1,2,3-Trichloropropane	10.84	75	30198m	1.808	ug/l	
72) Bromobenzene	10.80	156	49365	1.903	ug/l	94
73) n-propylbenzene	10.92	120	63107	1.980	ug/l	98
74) 2-Chlorotoluene	11.00	126	53045	1.983	ug/l	98
75) 1,3,5-Trimethylbenzene	11.10	105	190193	1.978	ug/l	99
76) 4-Chlorotoluene	11.11	126	55545	1.999	ug/l	97
77) tert-Butylbenzene	11.44	119	179400	1.961	ug/l	99
78) 1,2,4-Trimethylbenzene	11.48	105	195277	1.973	ug/l	97
79) sec-Butylbenzene	11.66	105	258604	1.973	ug/l	99
80) Nitrobenzene	13.23	77	5035	7.521	ug/l	92
81) p-Isopropyltoluene	11.81	119	207438	1.961	ug/l	99
82) 1,3-Dichlorobenzene	11.76	146	106579	1.984	ug/l	100
83) 1,4-Dichlorobenzene	11.85	146	105962	1.949	ug/l	98
84) n-Butylbenzene	12.22	91	207152	1.961	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	100932	2.019	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	6576	1.850	ug/l	98
87) 1,2,4-Trichlorobenzene	13.87	180	66540	1.820	ug/l	99
88) Hexachlorobutadiene	14.05	225	30167	1.846	ug/l	97
89) Naphthalene	14.12	128	125166	1.781	ug/l	100
90) 1,2,3-Trichlorobenzene	14.36	180	60329	1.852	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.14 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

VU0505WBS01

Tot Ion: 96 Resp: 84137

Ion Ratio Lower Upper

96 100

70 21.7 14.4 21.6#

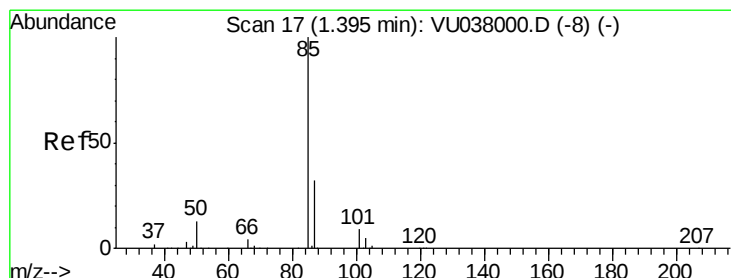
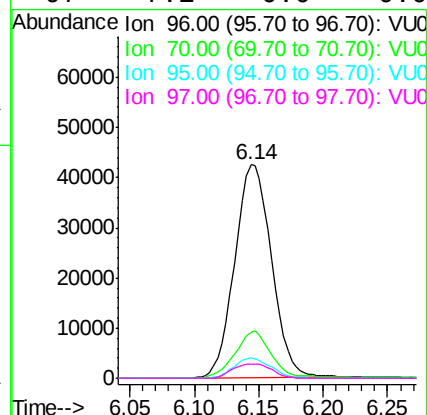
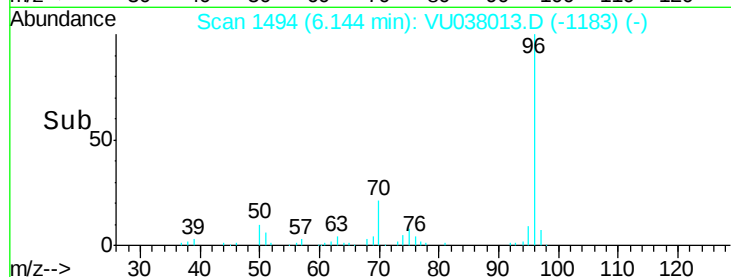
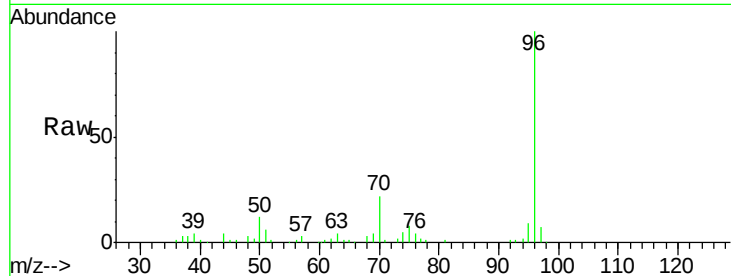
95 9.6 7.1 10.7

97 7.1 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 2.087 ug/l

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU038013.D

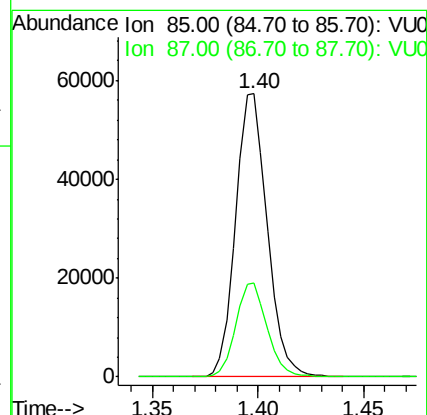
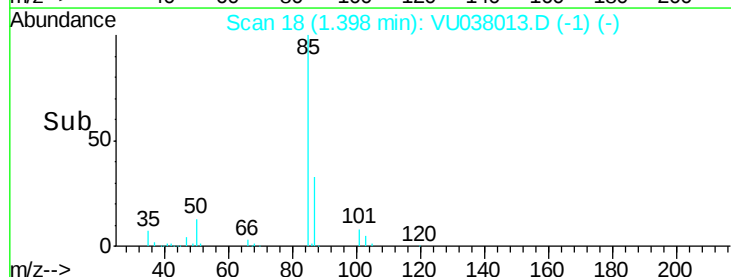
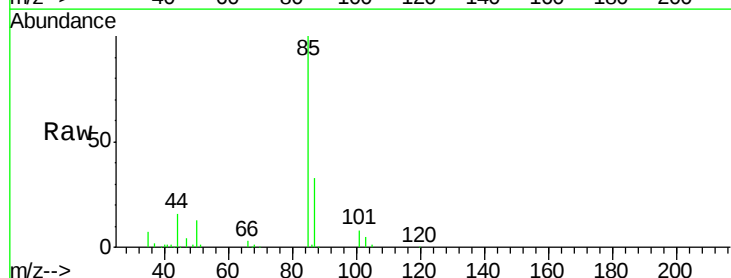
Acq: 05 May 2020 13:14

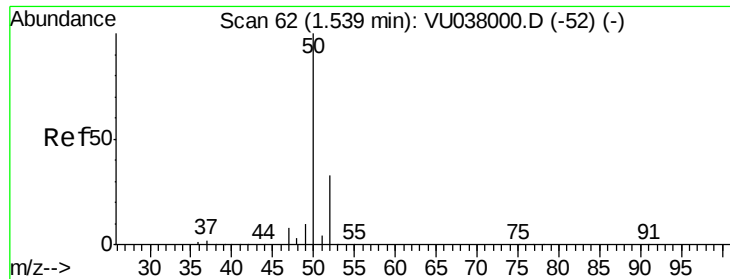
Tgt Ion: 85 Resp: 59593

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5





#3

Chloromethane

Concen: 1.984 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

VU0505WBS01

Tot Ion: 50 Resp: 67096

Ion Ratio Lower Upper

50 100

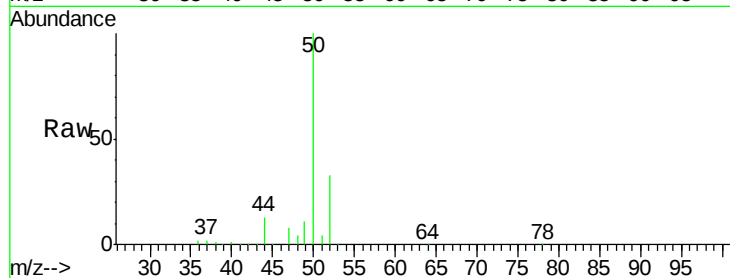
52 33.1 26.1 39.1

Manual Integrations

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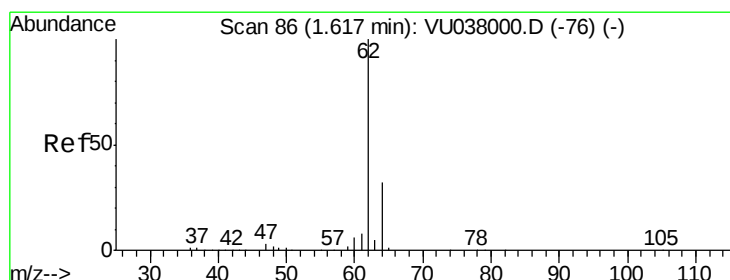
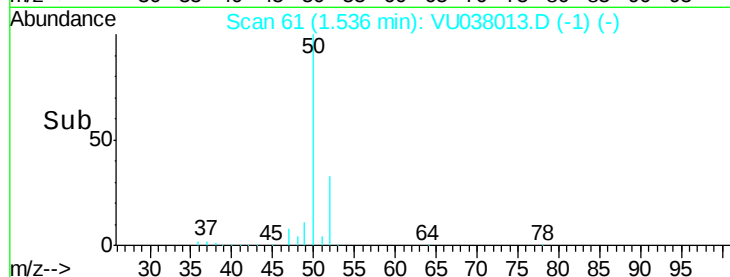
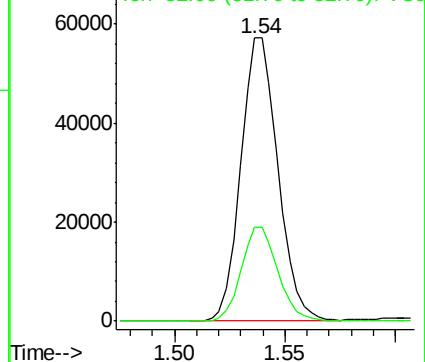
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 2.042 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038013.D

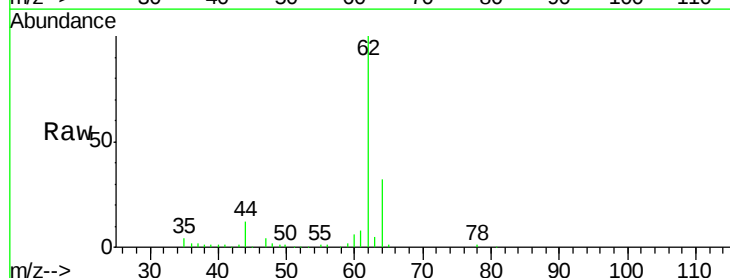
Acq: 05 May 2020 13:14

Tgt Ion: 62 Resp: 68764

Ion Ratio Lower Upper

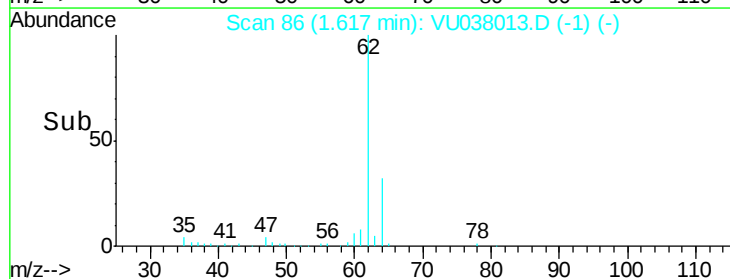
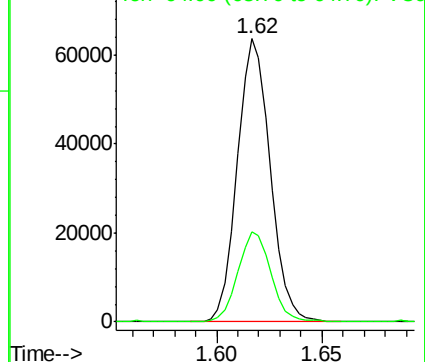
62 100

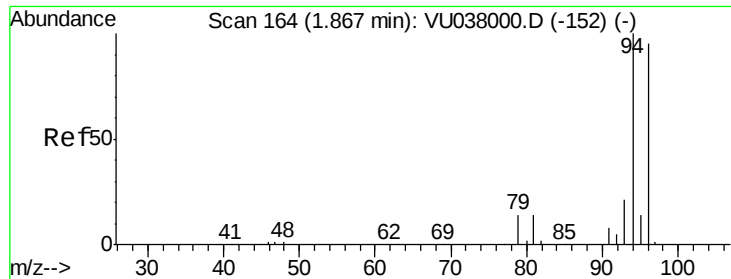
64 31.6 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5
 Bromomethane
 Concen: 1.824 ug/l
 RT: 1.87 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

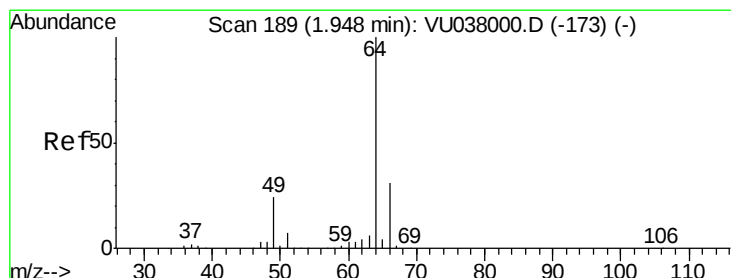
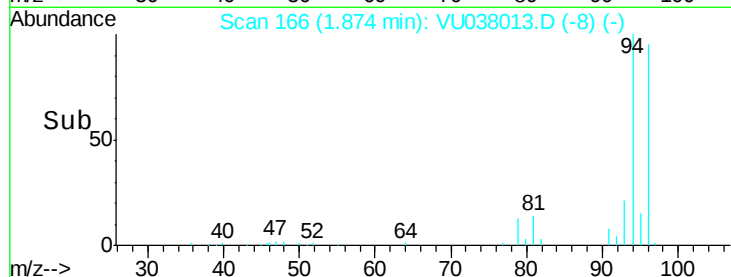
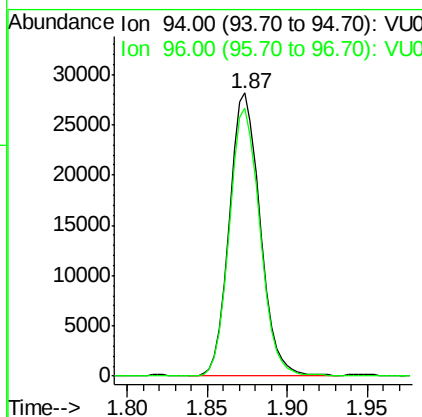
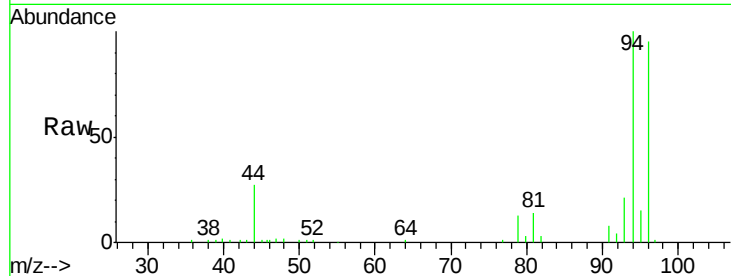
Instrument :
 MSVOA_U
 ClientSampled :
 VU0505WBS01

Tot Ion	Ratio	Lower	Upper
94	100		
96	94.8	76.1	114.1

Manual Integrations
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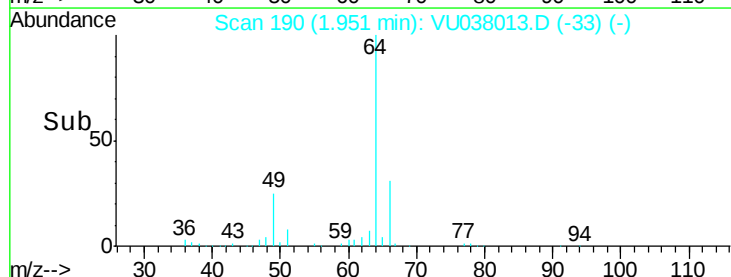
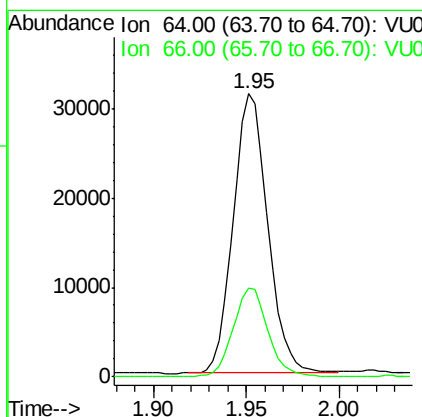
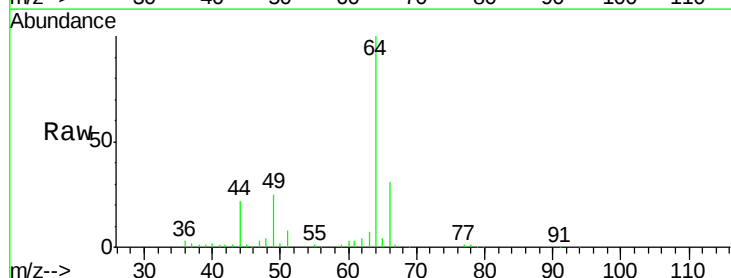
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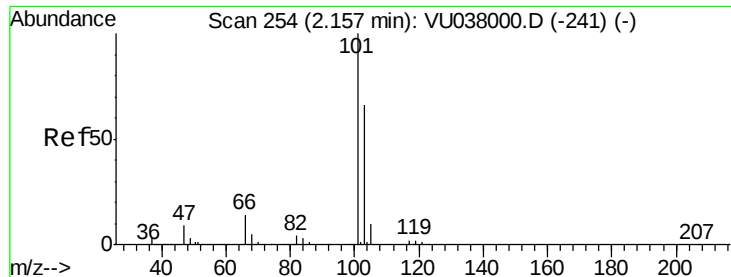
5/6/2020 10:39:30 AM



#6
 Chloroethane
 Concen: 2.010 ug/l
 RT: 1.95 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.8	24.8	37.2





#7

Trichlorofluoromethane
Concen: 2.057 ug/l
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

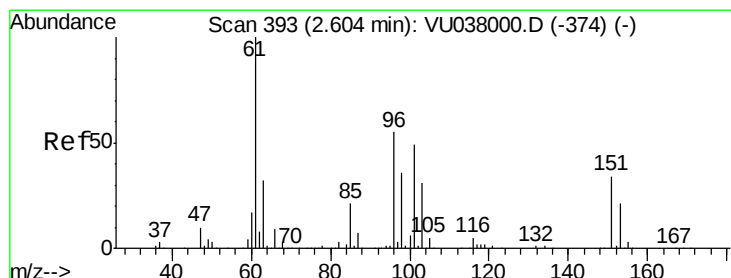
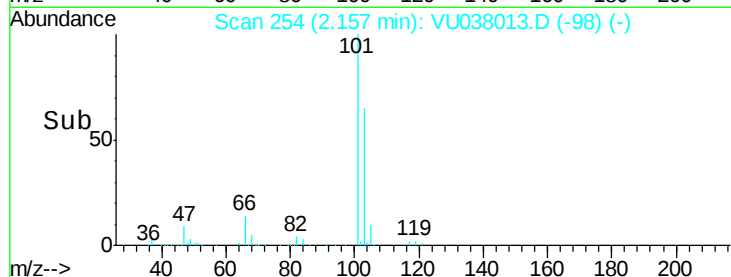
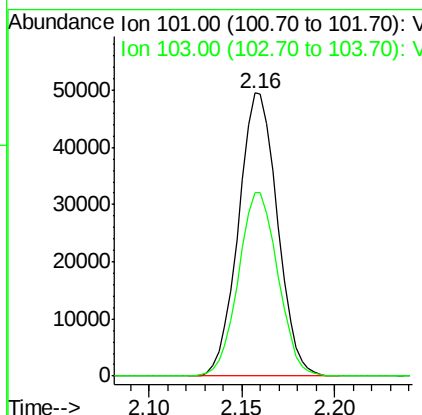
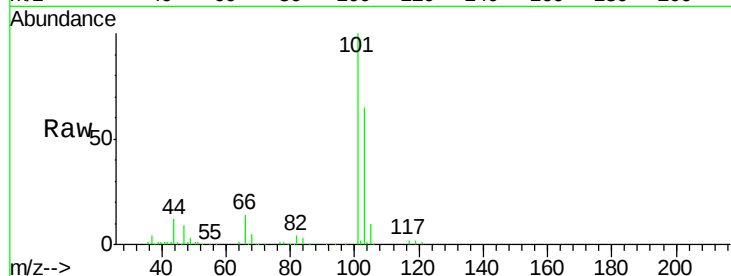
Instrument :
MSVOA_U
ClientSampleId :
VU0505WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.6	78.8

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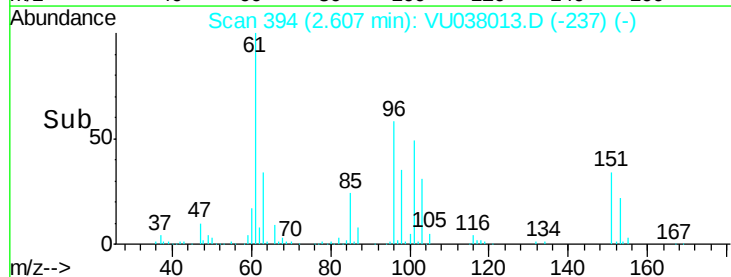
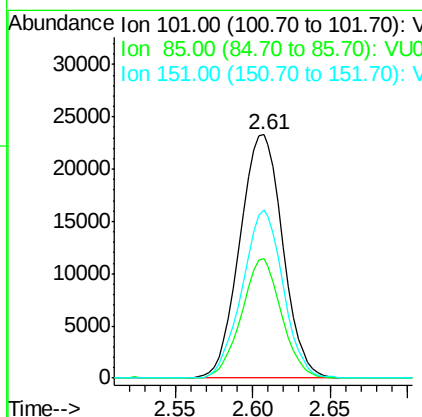
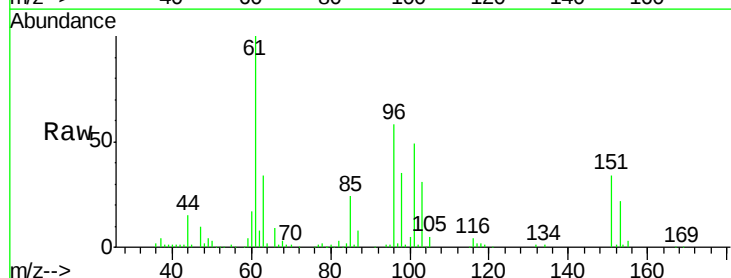
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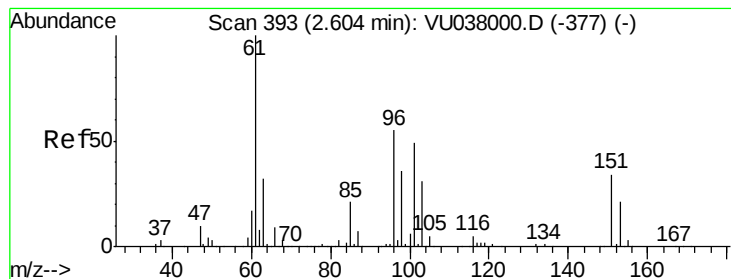


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.058 ug/l
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.6	35.5	53.3
151	65.9	55.2	82.8





#9

1,1-Dichloroethene

Concen: 2.042 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

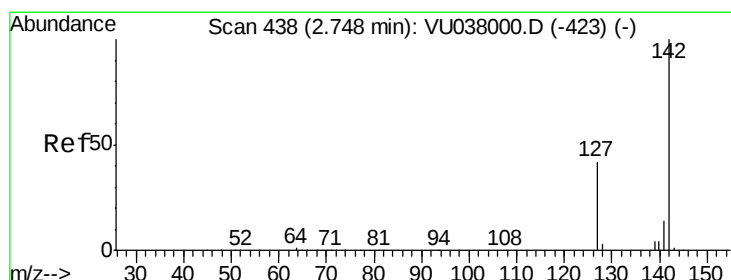
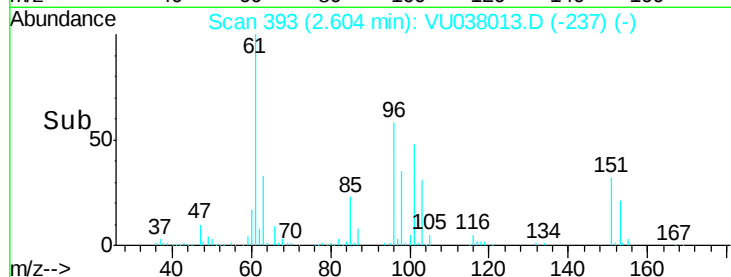
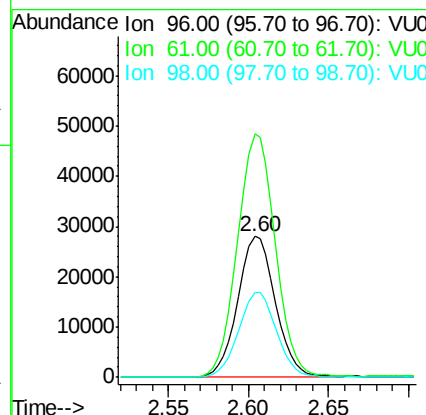
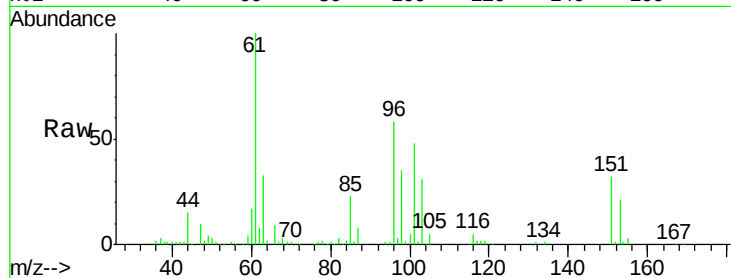
VU0505WBS01

Tot Ion:	96	Resp:	44878
Ion	Ratio	Lower	Upper
96	100		
61	172.1	0.0	543.0
98	60.0	0.0	129.4

Manual Integrations
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#10

Iodomethane

Concen: 2.114 ug/l

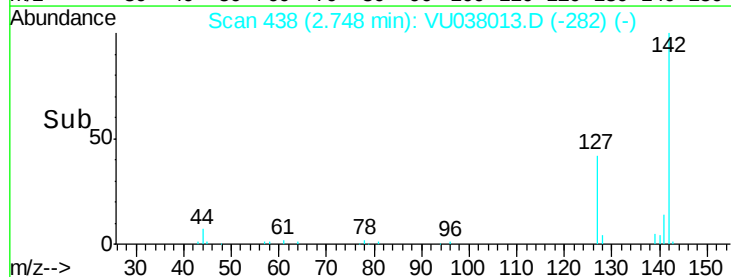
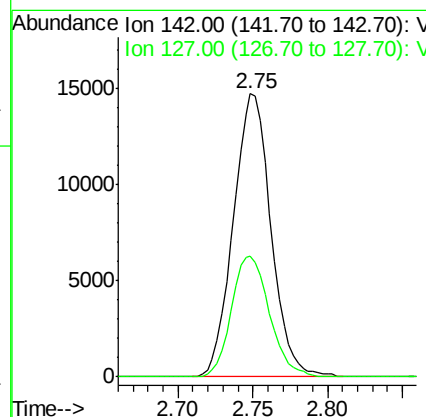
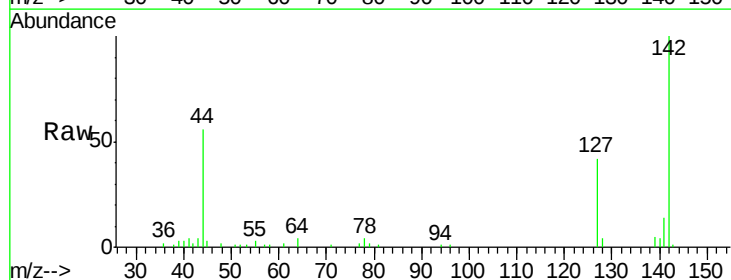
RT: 2.75 min Scan# 438

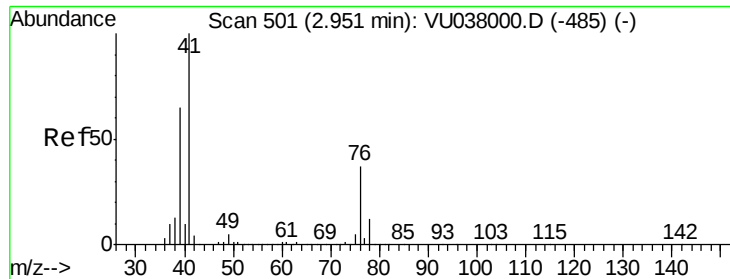
Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Tgt Ion:	142	Resp:	25765
Ion	Ratio	Lower	Upper
142	100		
127	43.0	33.5	50.3





#11
Allvl Chloride
Concen: 1.993 ug/l
RT: 2.95 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

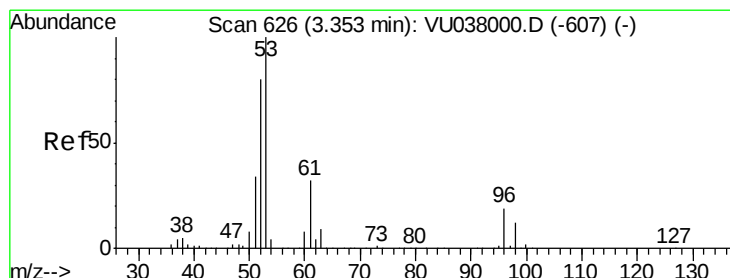
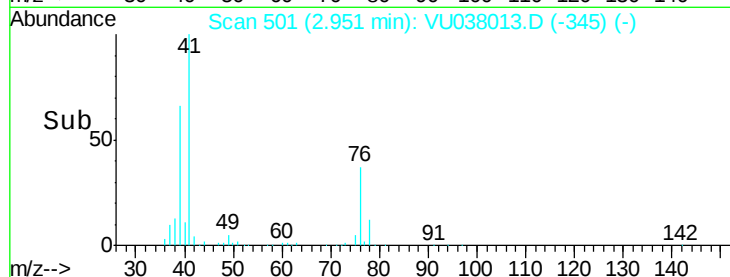
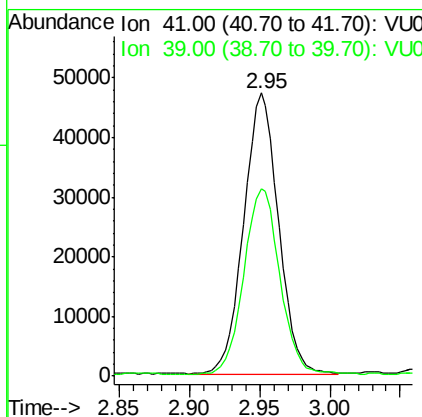
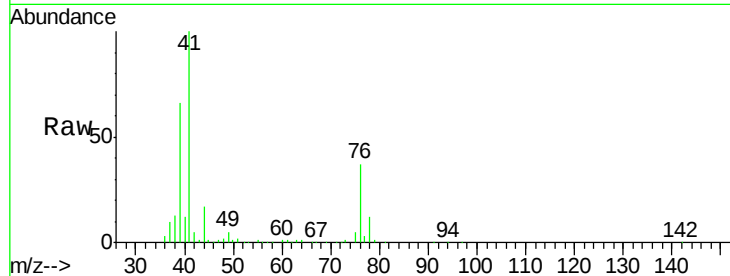
Instrument :
MSVOA_U
ClientSampled :
VU0505WBS01

Tot Ion: 41 Resp: 81232
Ion Ratio Lower Upper
41 100
39 68.1 51.7 77.5

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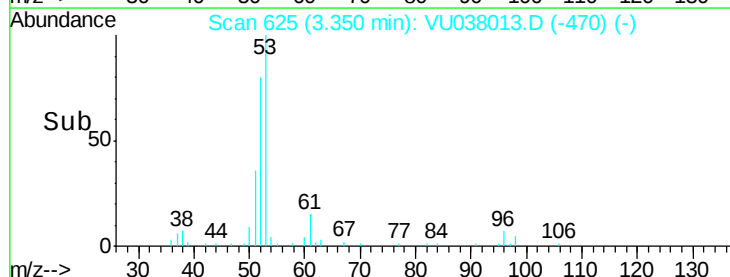
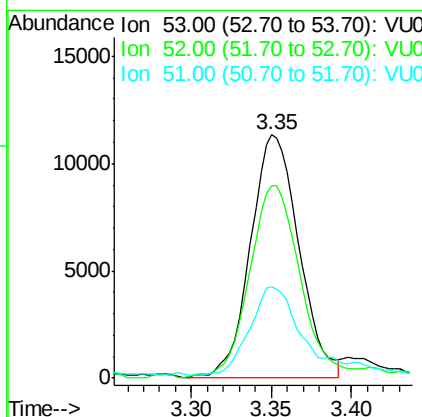
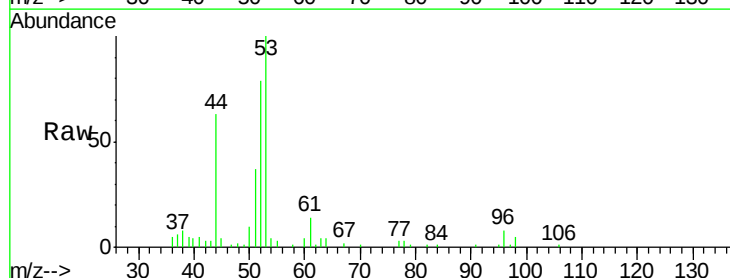
apatel

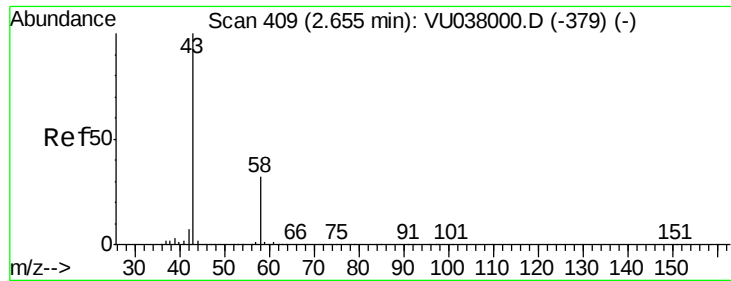
5/6/2020 10:39:30 AM



#12
Acrylonitrile
Concen: 3.935 ug/l
RT: 3.35 min Scan# 625
Delta R.T. -0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion: 53 Resp: 23636
Ion Ratio Lower Upper
53 100
52 83.3 63.3 94.9
51 38.5 30.2 45.2





#13

Acetone

Concen: 10.038 ug/l

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

VU0505WBS01

Tot Ion: 43 Resp: 48236

Ion Ratio Lower Upper

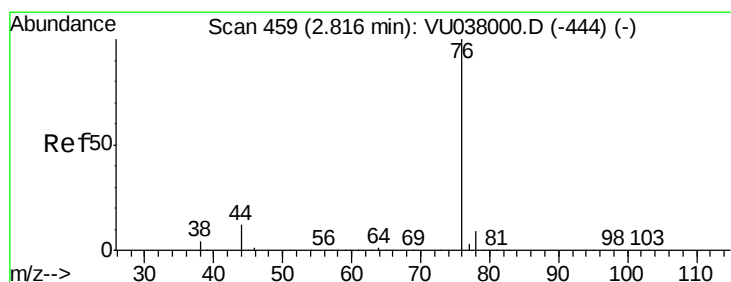
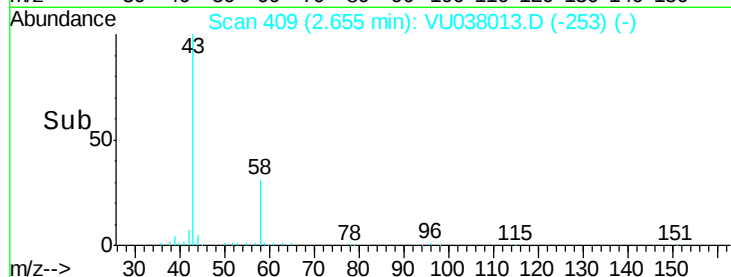
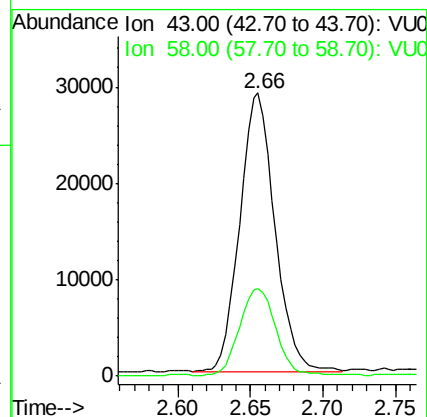
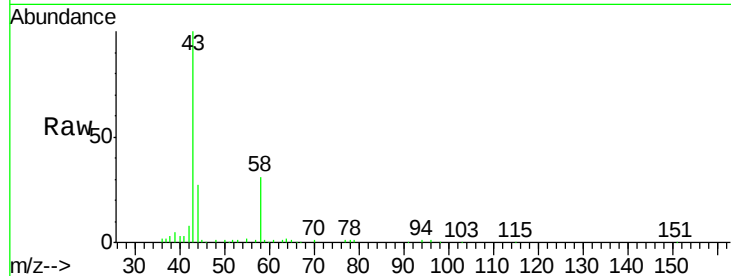
43 100

58 31.6 25.2 37.8

Manual Integrations
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#14

Carbon Disulfide

Concen: 1.968 ug/l

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038013.D

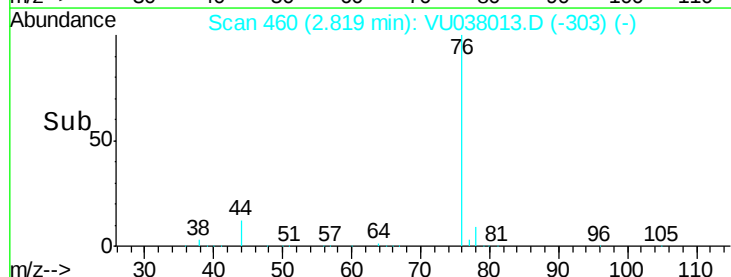
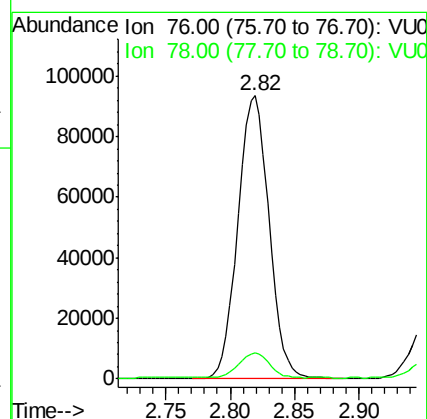
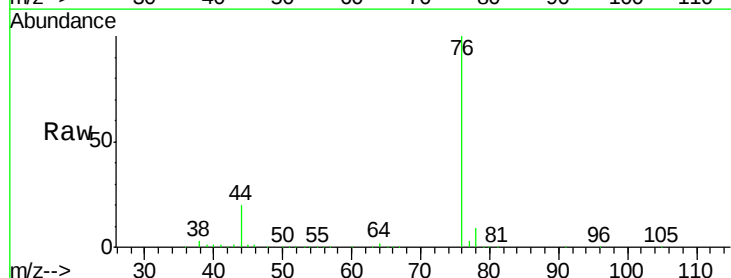
Acq: 05 May 2020 13:14

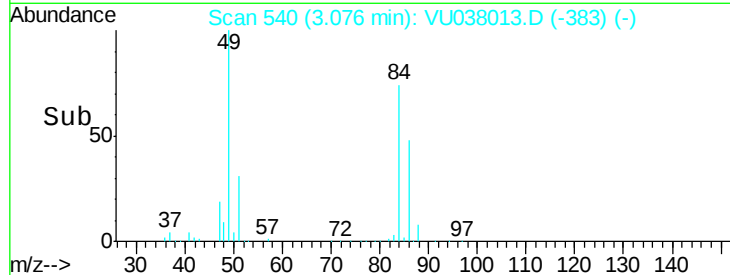
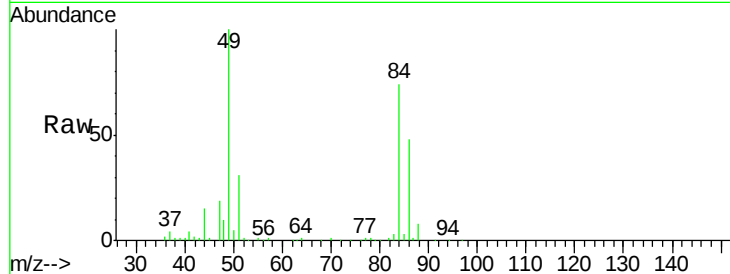
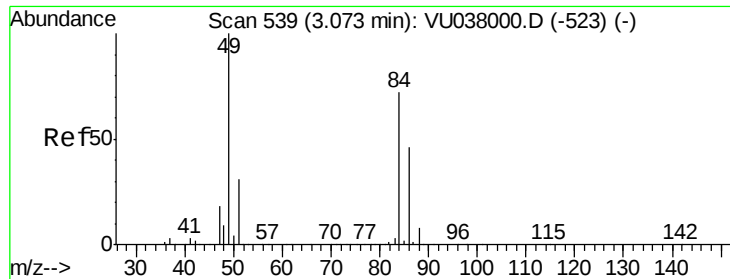
Tgt Ion: 76 Resp: 157894

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





#15
Methvlene Chloride
Concen: 2.424 ug/l
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

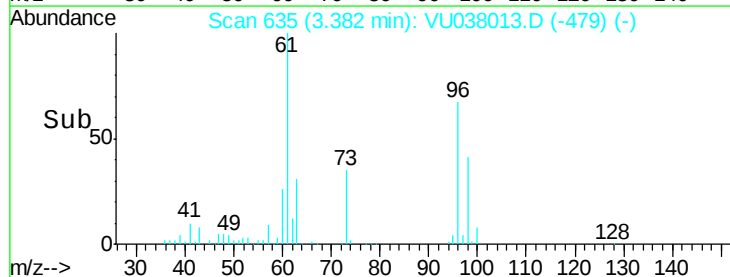
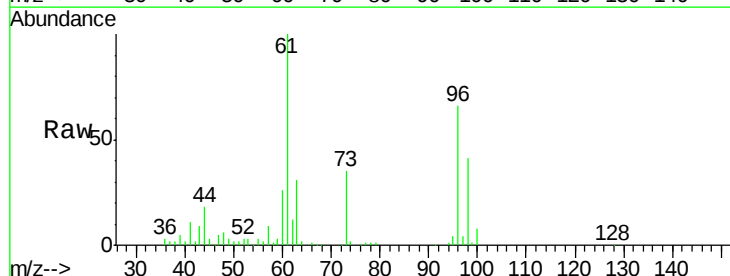
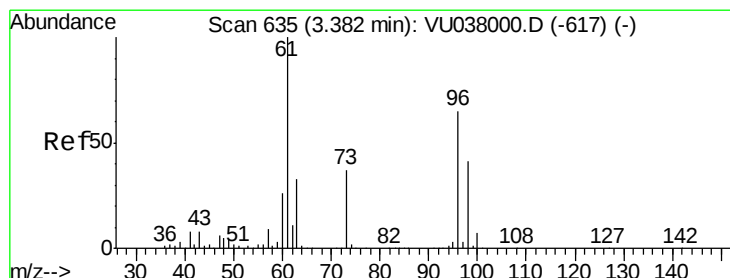
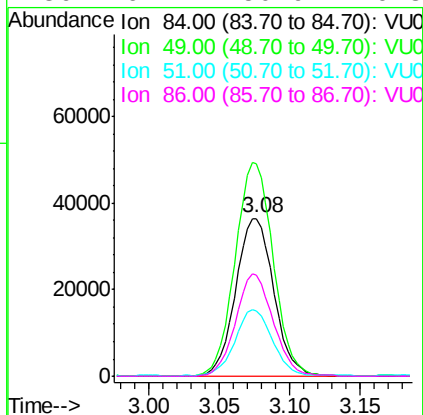
Tot Ion:	84	Resp:	68867
Ion	Ratio	Lower	Upper
84	100		
49	134.7	110.6	166.0
51	41.3	0.0	85.4
86	64.4	50.9	76.3

Instrument :
MSVOA_U
ClientSampleId :
VU0505WBS01

Manual Integrations
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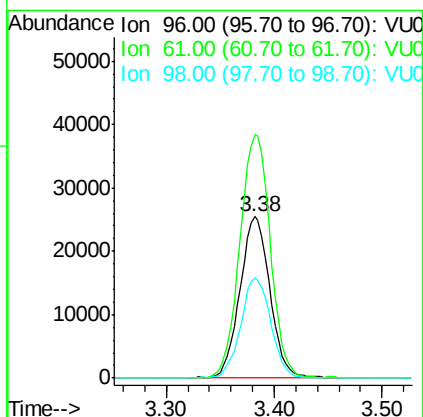
apatel

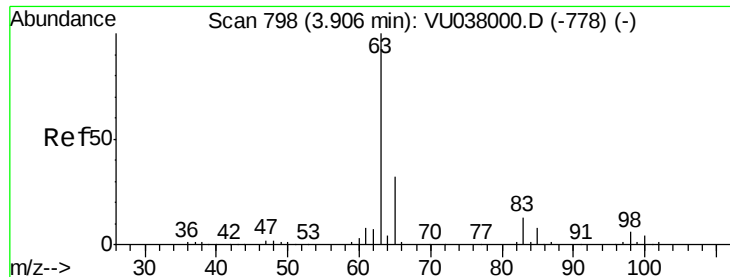
5/6/2020 10:39:30 AM



#16
trans-1,2-Dichloroethene
Concen: 2.052 ug/l
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion:	96	Resp:	49355
Ion	Ratio	Lower	Upper
96	100		
61	151.0	122.4	183.6
98	62.2	50.1	75.1





#17

1,1-Dichloroethane

Concen: 2.066 ug/l

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

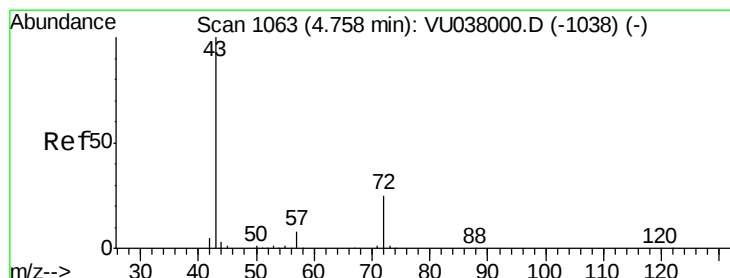
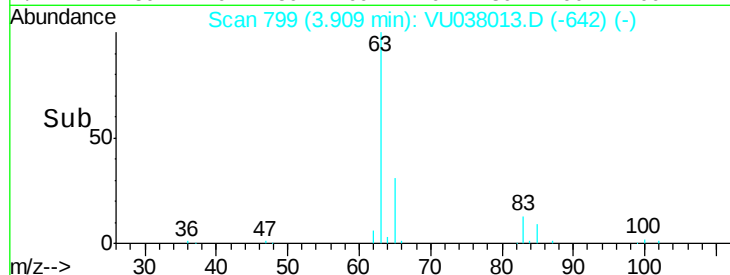
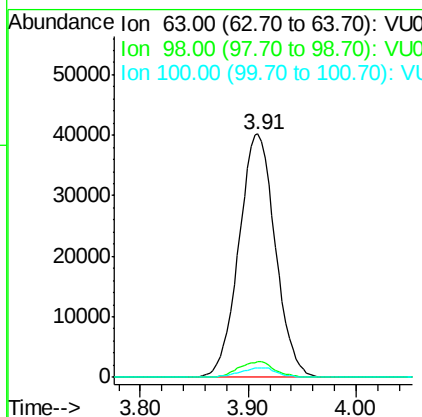
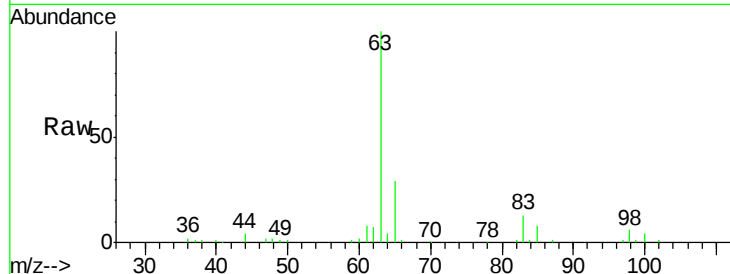
VU0505WBS01

Tot Ion:	63	Resp:	94218
Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.1	9.4
100	3.7	2.2	6.6

Manual Integrations
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#18

2-Butanone

Concen: 10.051 ug/l

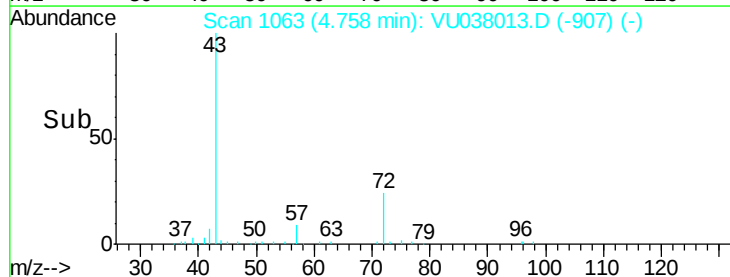
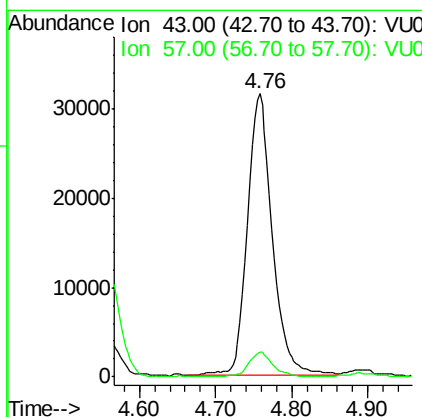
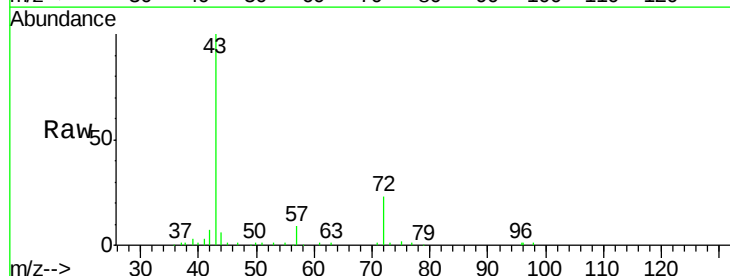
RT: 4.76 min Scan# 1063

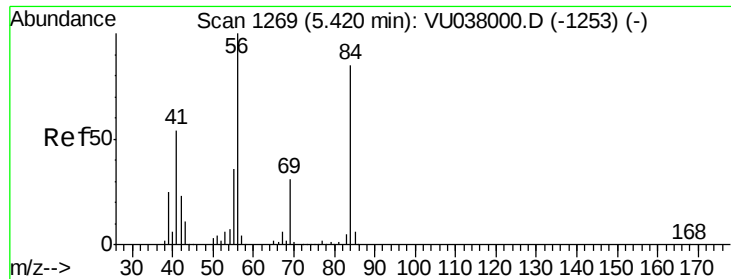
Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Tgt Ion:	43	Resp:	72415
Ion	Ratio	Lower	Upper
43	100		
57	8.8	0.0	16.6





#19
Cyclohexane
Concen: 1.975 ug/l m
RT: 5.42 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

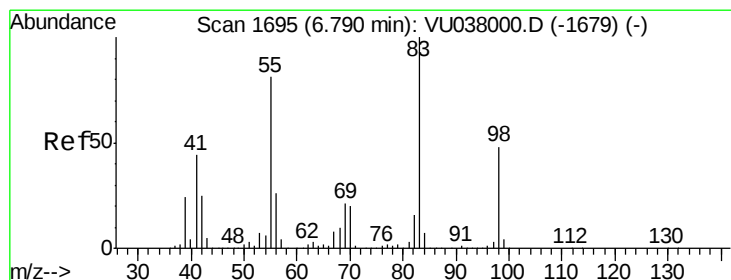
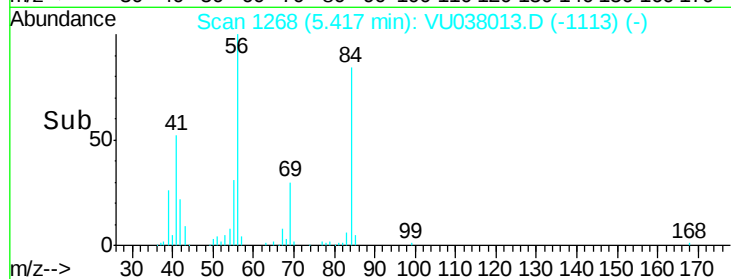
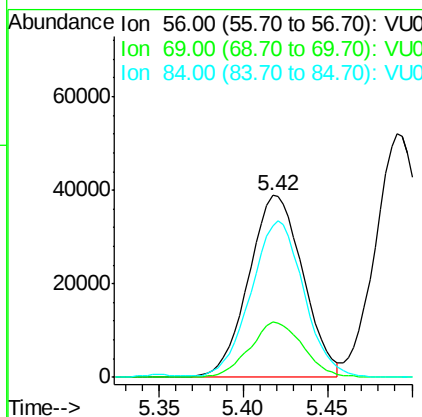
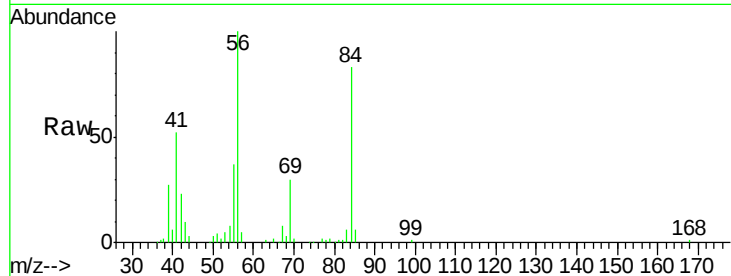
Instrument :
MSVOA_U
ClientSampleId :
VU0505WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.3	36.5
84	83.0	66.3	99.5

Manual Integrations
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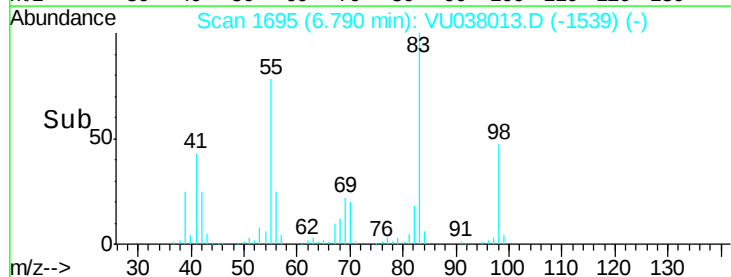
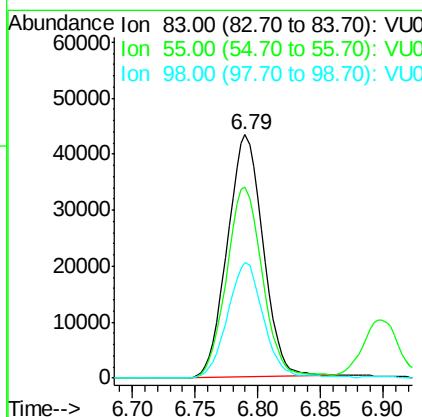
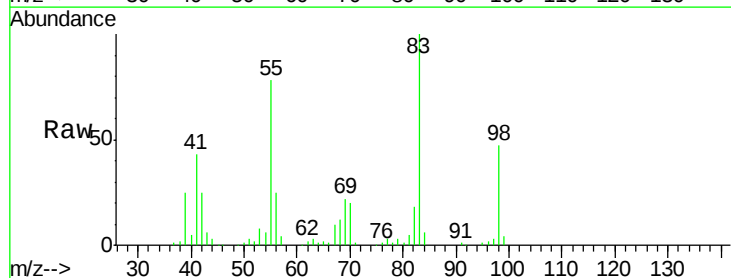
apatel

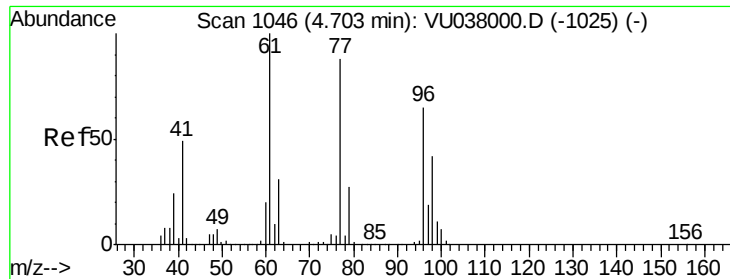
5/6/2020 10:39:30 AM



#20
Methylcyclohexane
Concen: 1.972 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.5	92.3
98	47.5	37.3	55.9





#21

2,2-Dichloropropane

Concen: 1.950 ug/l

RT: 4.70 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

VU0505WBS01

Tot Ion: 77 Resp: 74328

Ion Ratio Lower Upper

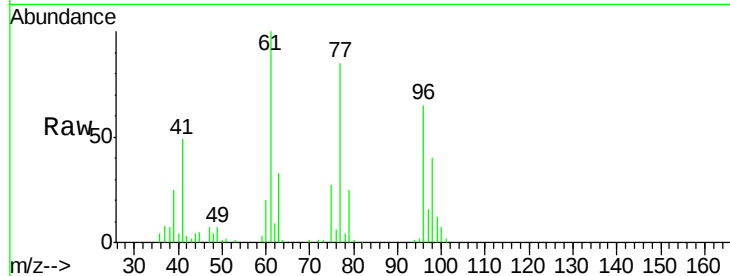
77 100

97 21.1 17.4 26.2

Manual Integrations
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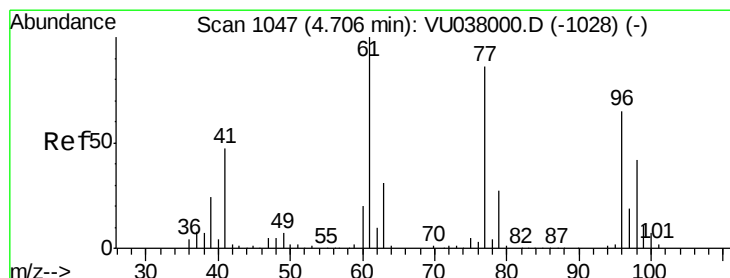
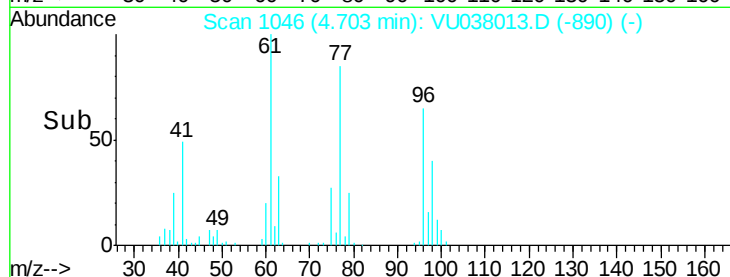
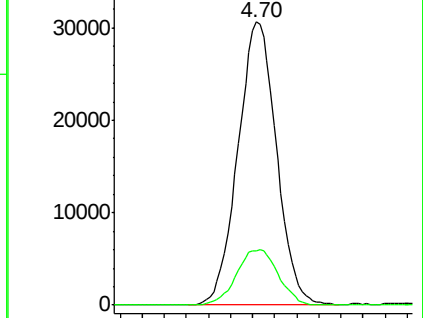
apatel

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Abundance Ion 77.00 (76.70 to 77.70): VU038013.D (-890) (-)

Ion 97.00 (96.70 to 97.70): VU038013.D (-890) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.026 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

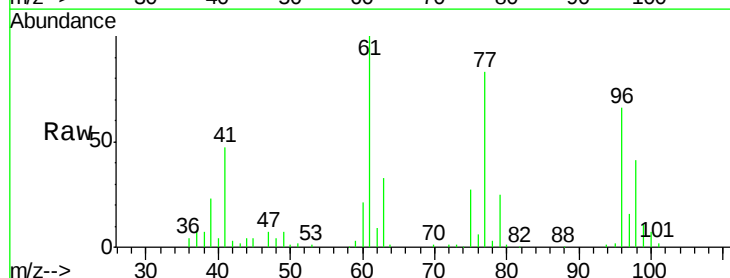
Tgt Ion: 96 Resp: 51510

Ion Ratio Lower Upper

96 100

61 158.7 0.0 389.3

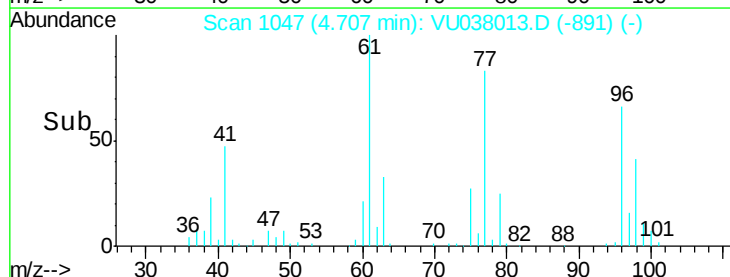
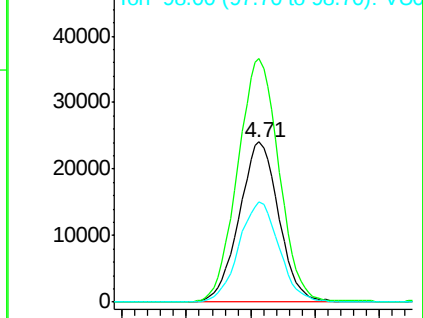
98 63.5 32.1 96.3

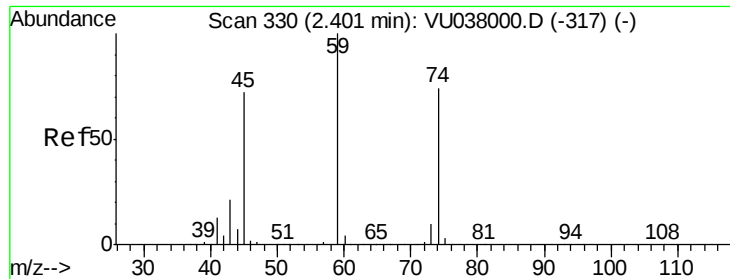


Abundance Ion 96.00 (95.70 to 96.70): VU038013.D (-891) (-)

Ion 61.00 (60.70 to 61.70): VU038013.D (-891) (-)

Ion 98.00 (97.70 to 98.70): VU038013.D (-891) (-)





#23
Diethyl Ether
Concen: 2.123 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

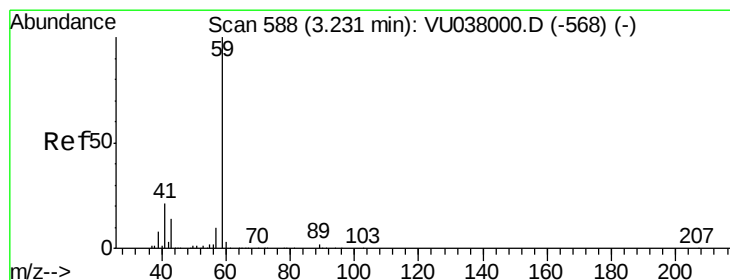
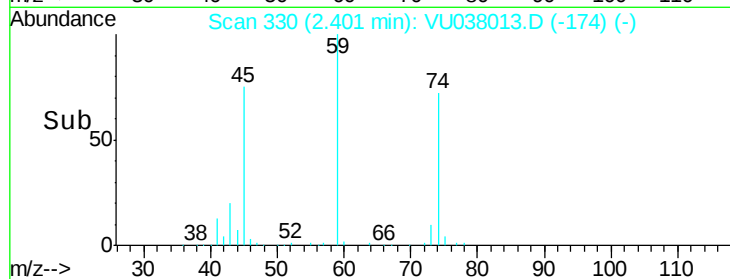
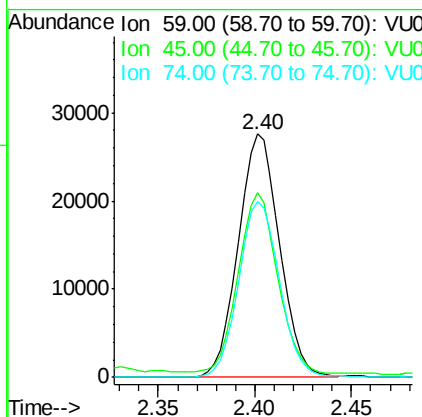
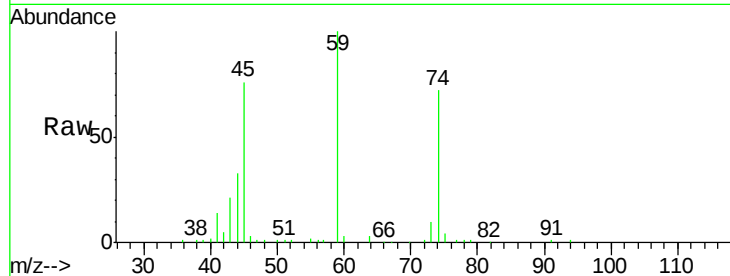
Instrument :
MSVOA_U
ClientSampleId :
VU0505WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
45	71.3	59.8	89.6	
74	71.3	58.2	87.4	

Manual Integrations
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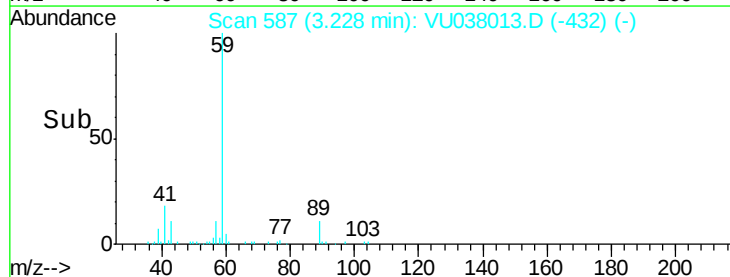
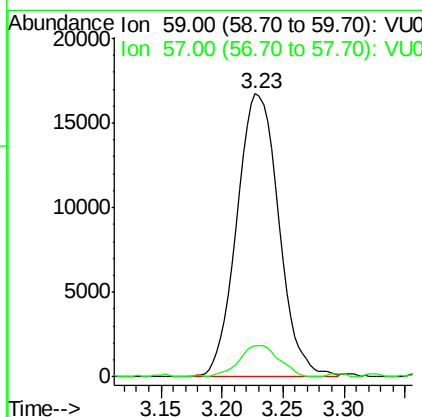
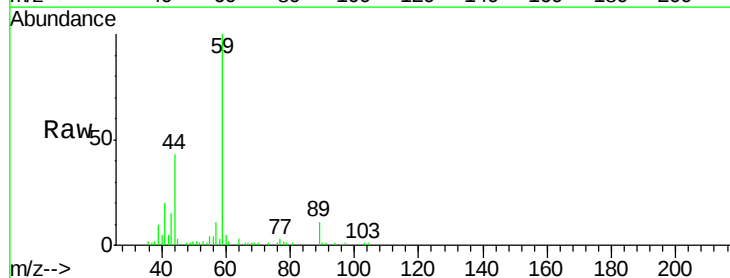
apatel

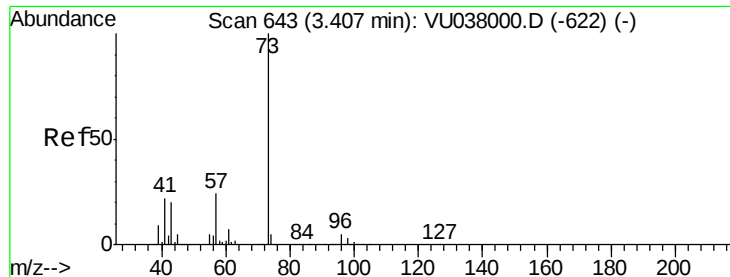
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#24
tert-Butyl Alcohol
Concen: 18.666 ug/l
RT: 3.23 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
59	100			
57	10.5	8.2	12.4	





#25

Methyl tert-Butyl Ether
 Concen: 2.006 ug/l
 RT: 3.41 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

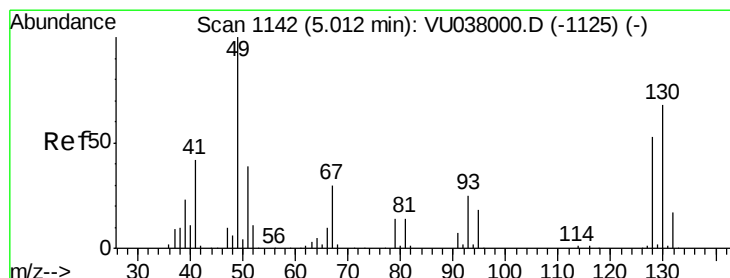
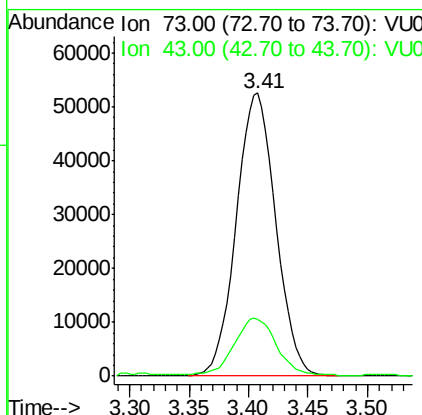
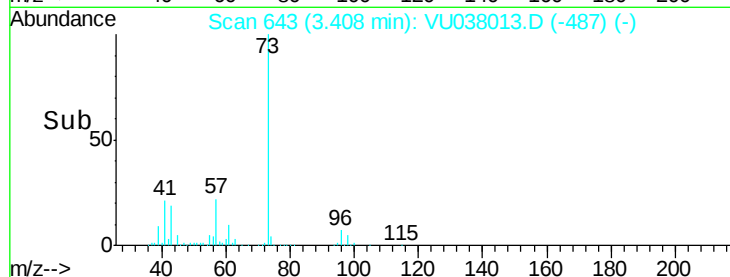
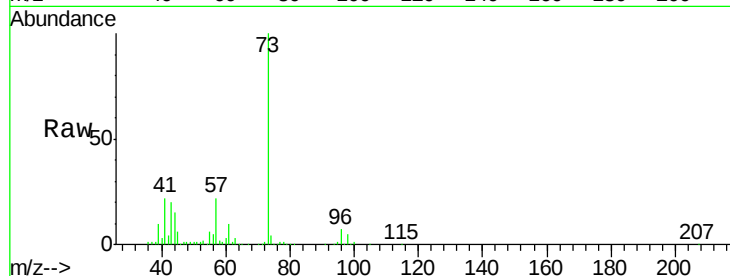
Instrument :
 MSVOA_U
 ClientSampled :
 VU0505WBS01

Tot Ion	73	Resp	120785
Ion Ratio	100	Lower	Upper
73	100		
43	22.5	16.2	24.2

Manual Integrations
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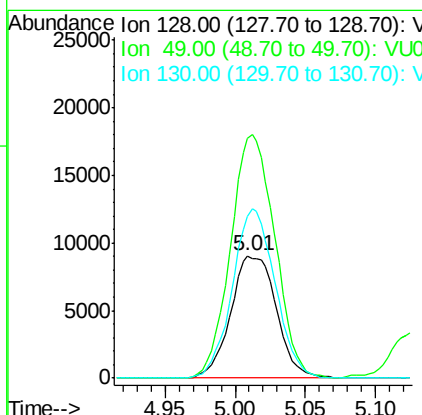
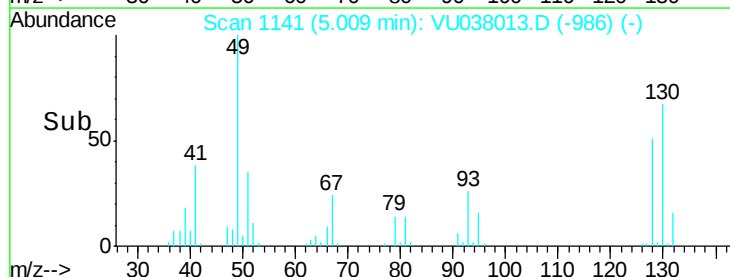
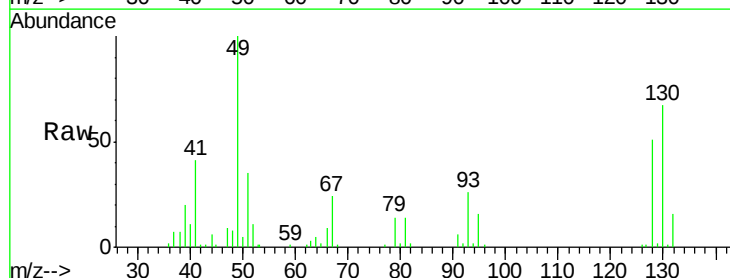
5/6/2020 10:39:30 AM

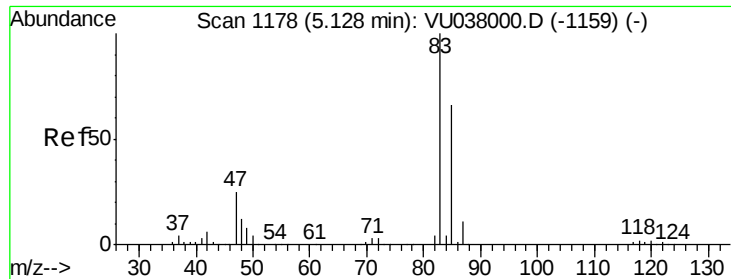


#26

Bromochloromethane
 Concen: 1.996 ug/l
 RT: 5.01 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

Tgt Ion	128	Resp	20419
Ion Ratio	100	Lower	Upper
128	100		
49	193.2	0.0	376.0
130	129.9	102.6	153.8





#27
Chloroform
Concen: 2.015 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

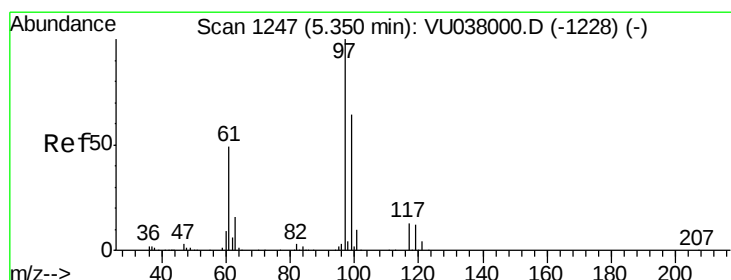
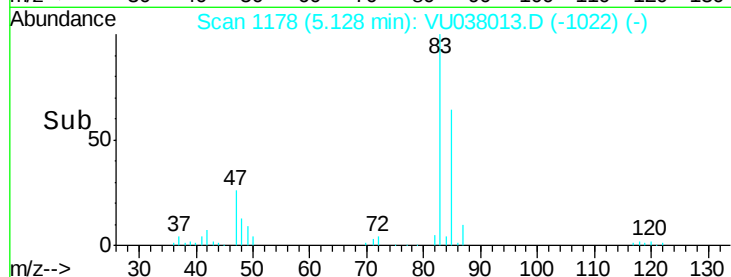
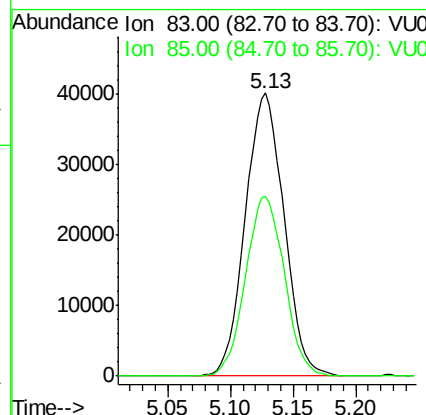
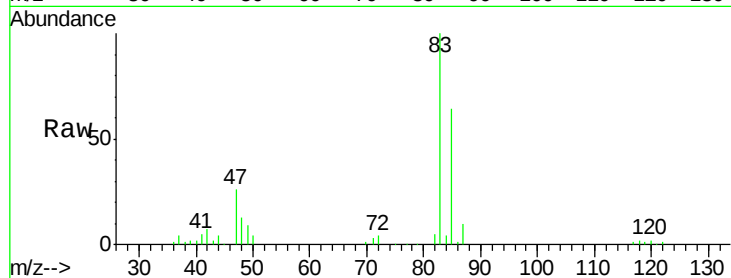
Instrument :
MSVOA_U
ClientSampled :
VU0505WBS01

Tot Ion	83	Resp	86198
Ion Ratio	100	Lower	Upper
85	63.6	0.0	132.0

Manual Integrations
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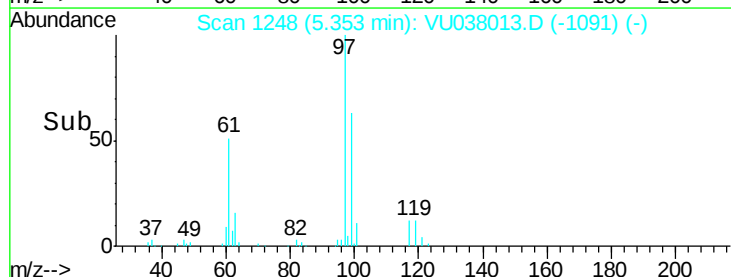
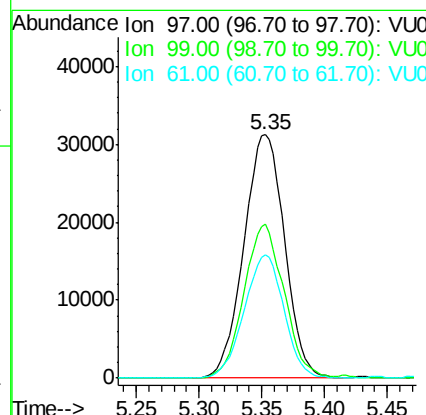
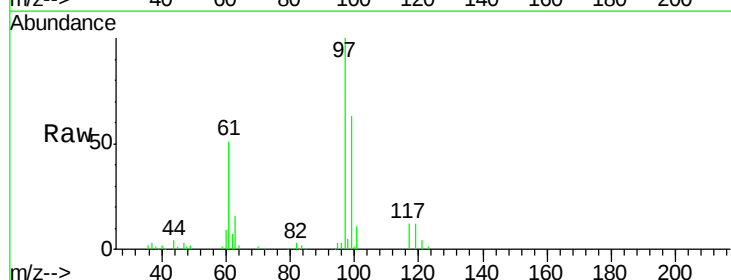
apatel

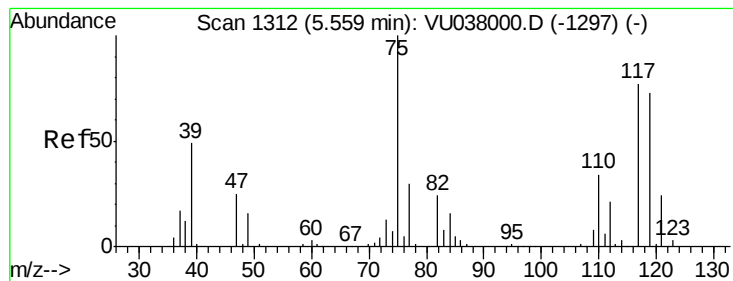
5/6/2020 10:39:30 AM



#28
1,1,1-Trichloroethane
Concen: 2.002 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion	97	Resp	70565
Ion Ratio	100	Lower	Upper
99	62.1	31.9	95.9
61	49.5	24.1	72.4





#29

1,1-Dichloropropene

Concen: 2.025 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

VU0505WBS01

Tot Ion: 75 Resp: 71829

Ion Ratio Lower Upper

75 100

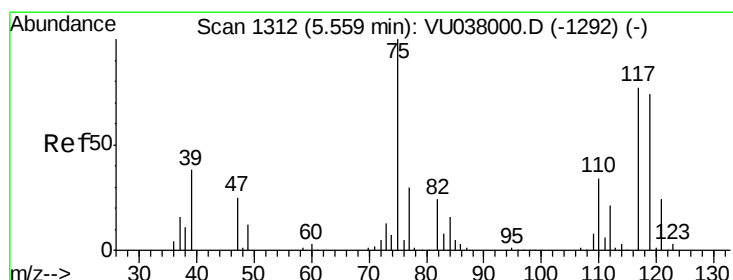
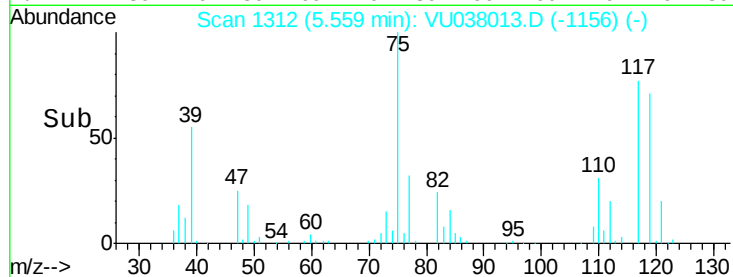
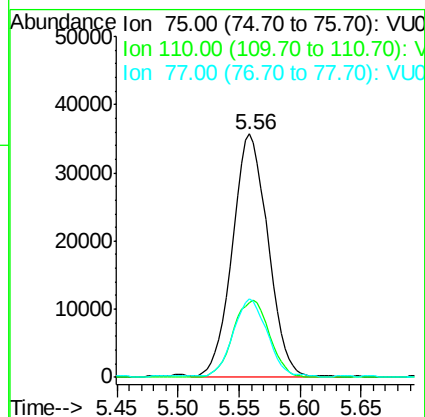
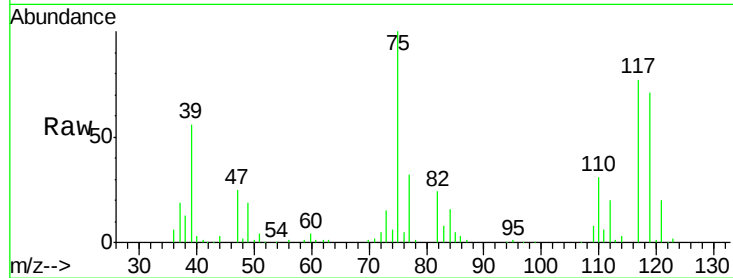
110 32.7 16.7 50.1

77 31.8 24.5 36.7

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 1.974 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

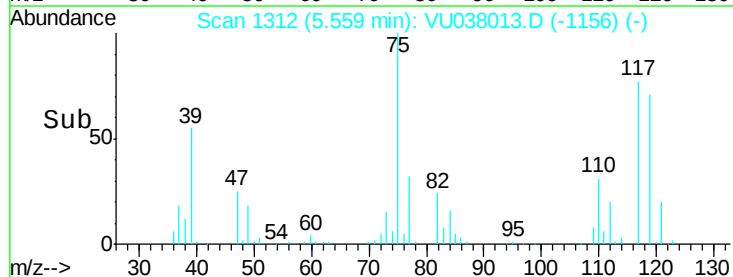
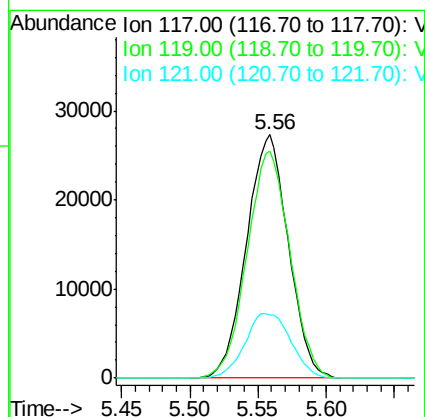
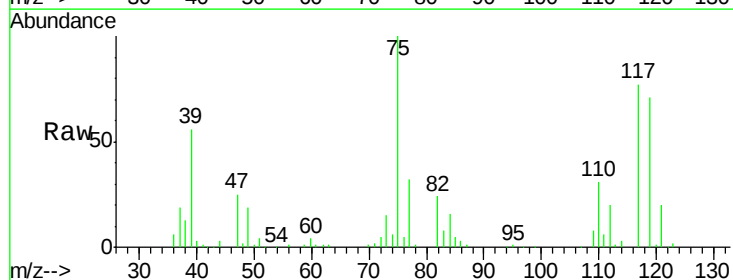
Tgt Ion: 117 Resp: 58218

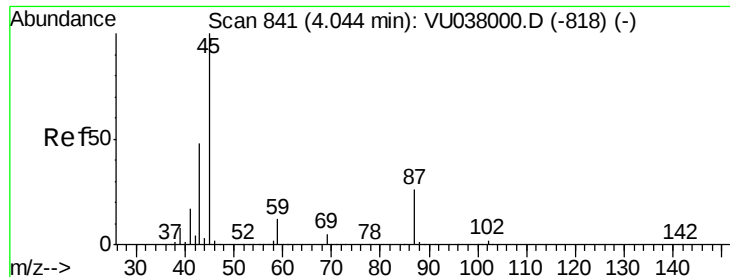
Ion Ratio Lower Upper

117 100

119 93.2 76.3 114.5

121 26.0 24.7 37.1





#31

Isopropyl Ether

Concen: 1.976 ug/l

RT: 4.04 min Scan# 841

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

VU0505WBS01

Tot Ion: 45 Resp: 148297

Ion Ratio Lower Upper

45 100

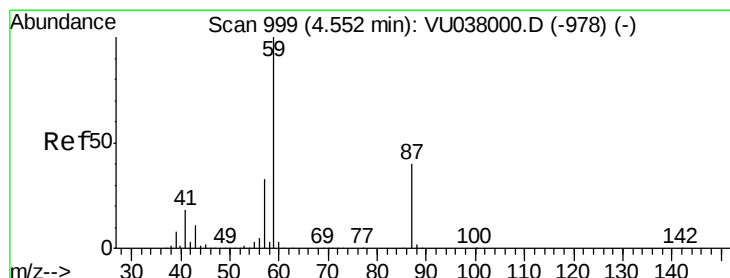
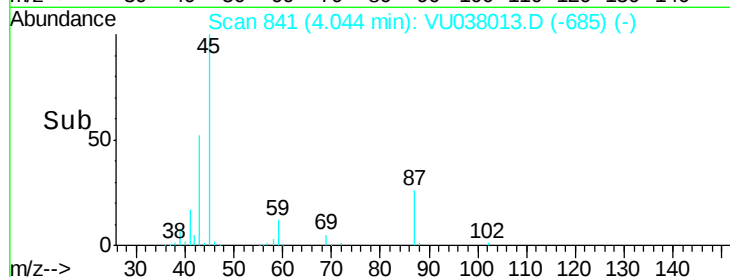
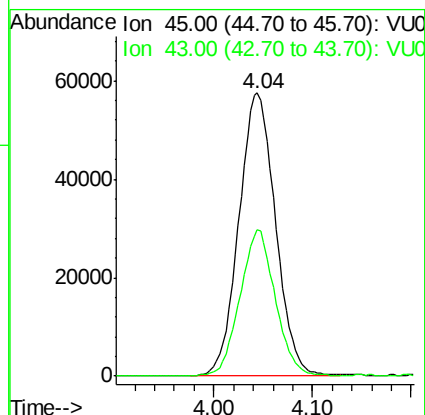
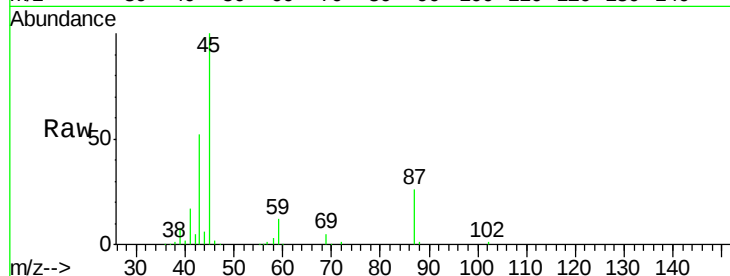
43 49.1 24.2 72.6

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.919 ug/l

RT: 4.55 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU038013.D

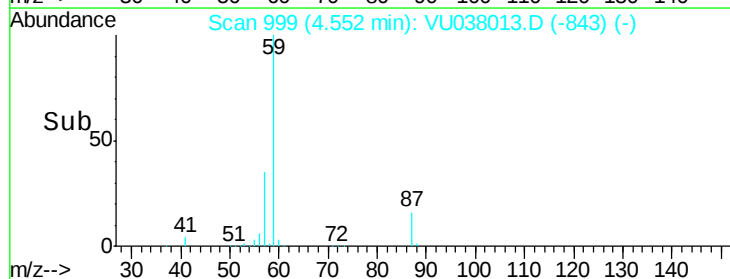
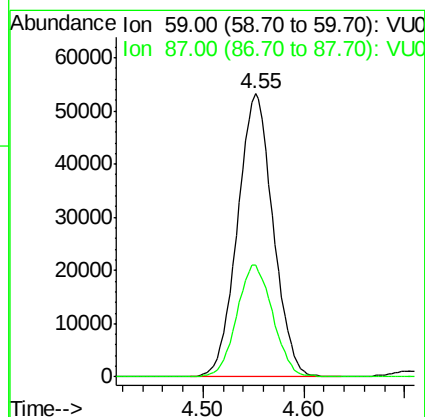
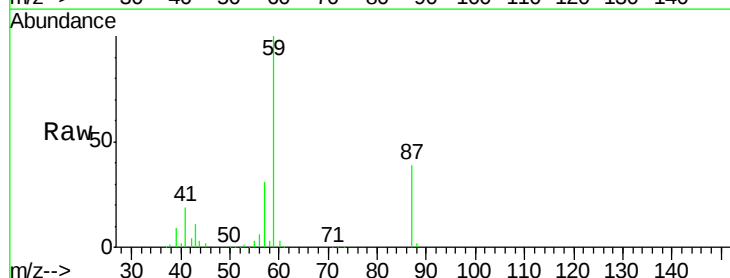
Acq: 05 May 2020 13:14

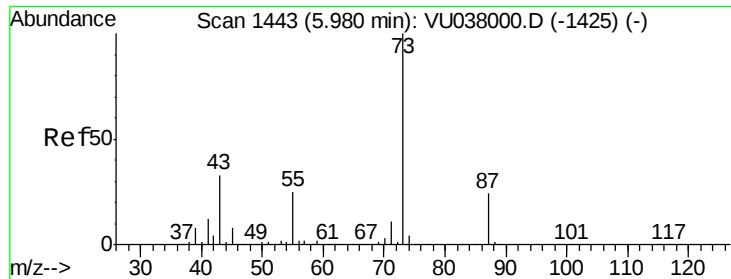
Tgt Ion: 59 Resp: 130079

Ion Ratio Lower Upper

59 100

87 40.1 32.4 48.6





#33
Tert-Butyl methyl ether
Concen: 1.885 ug/l
RT: 5.98 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

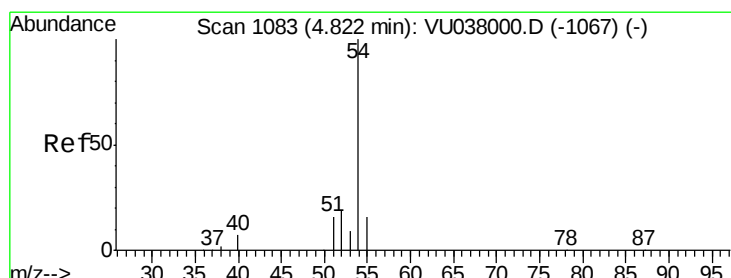
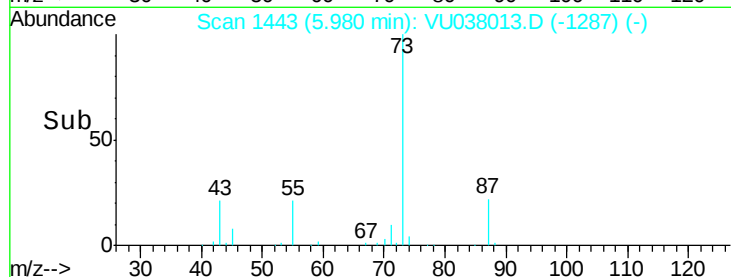
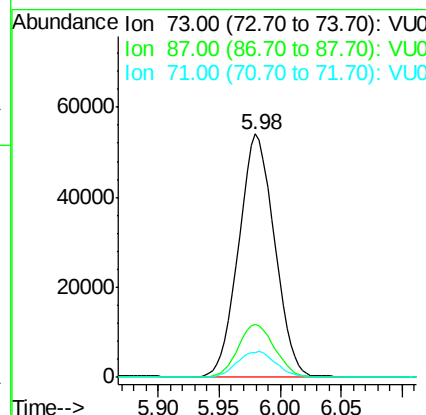
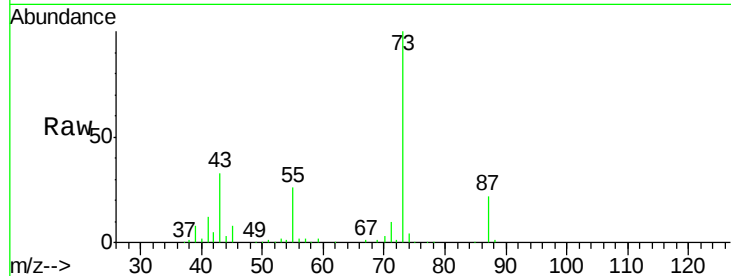
Instrument :
MSVOA_U
ClientSampleId :
VU0505WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.3	18.9	28.3
71	11.4	9.1	13.7

Manual Integrations
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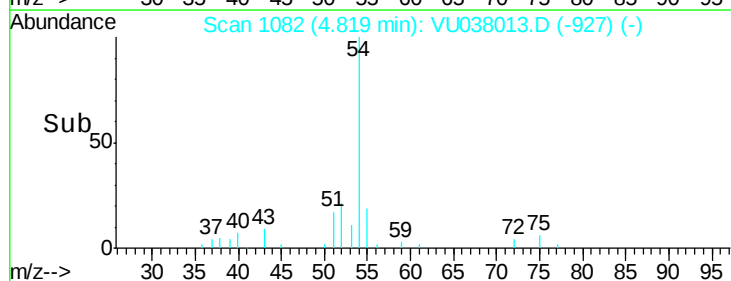
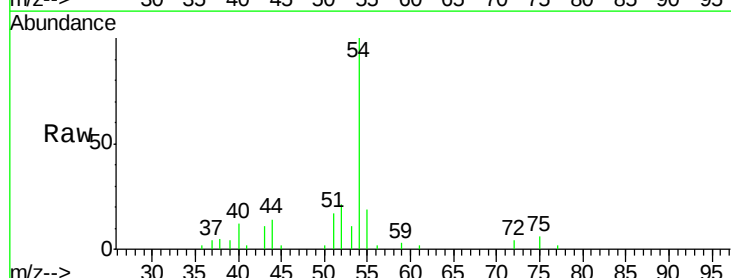
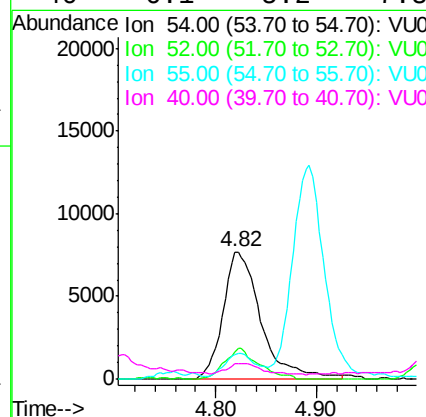
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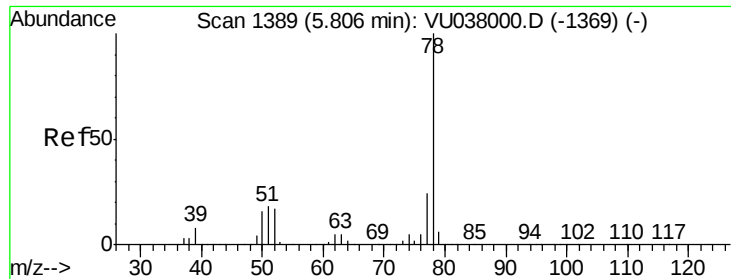
5/6/2020 10:39:30 AM



#34
Propionitrile
Concen: 9.734 ug/l
RT: 4.82 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.3	15.8	23.8
55	14.4	13.2	19.8
40	6.1	5.2	7.8





#35

Benzene

Concen: 2.052 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

VU0505WBS01

Tot Ion: 78 Resp: 203706

Ion Ratio Lower Upper

78 100

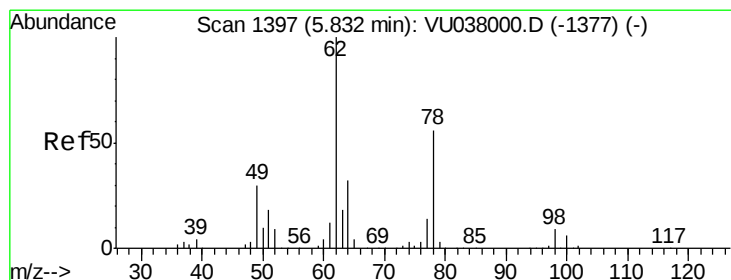
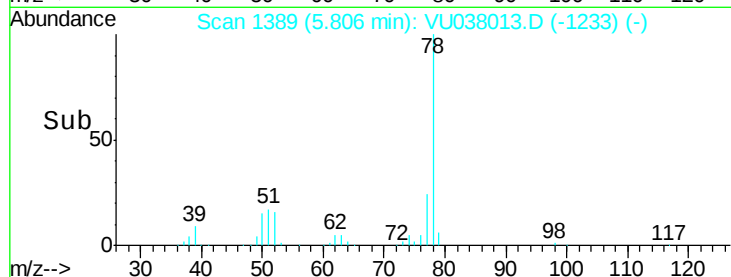
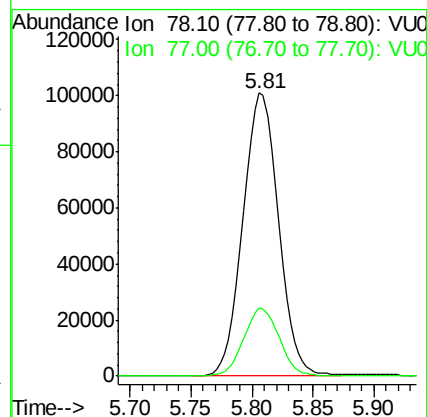
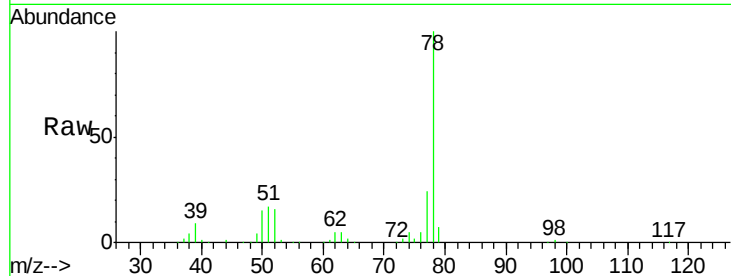
77 24.1 19.3 28.9

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 2.069 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU038013.D

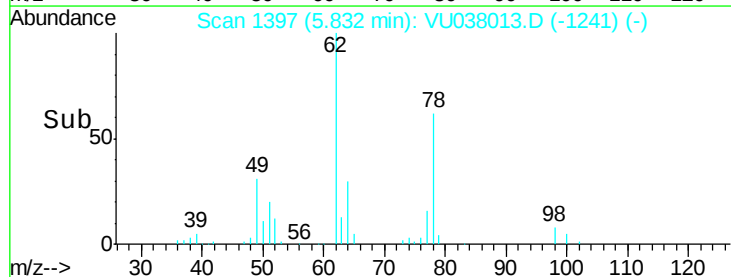
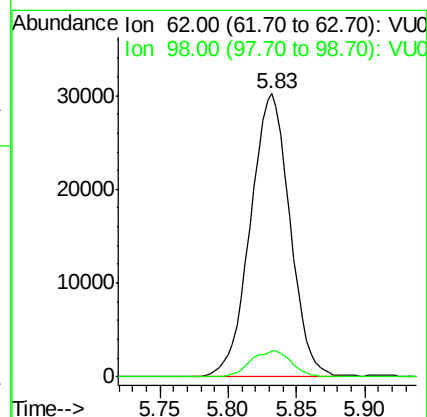
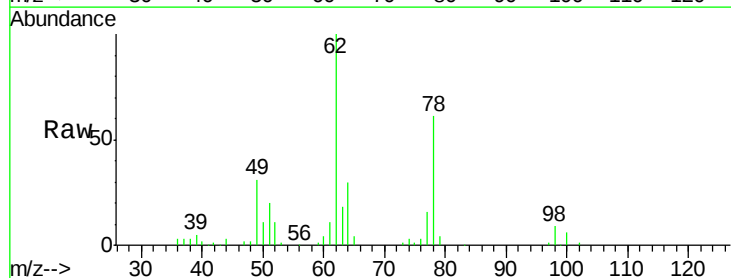
Acq: 05 May 2020 13:14

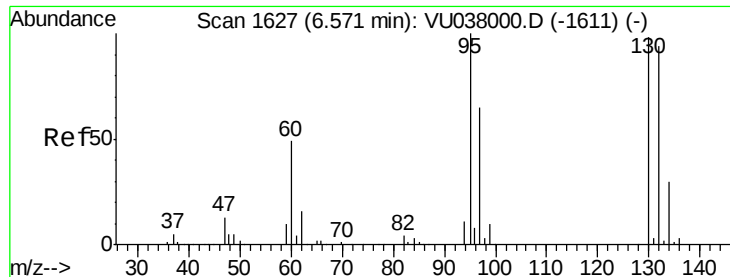
Tgt Ion: 62 Resp: 60766

Ion Ratio Lower Upper

62 100

98 9.4 7.3 10.9





#37
 Trichloroethene
 Concen: 2.021 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

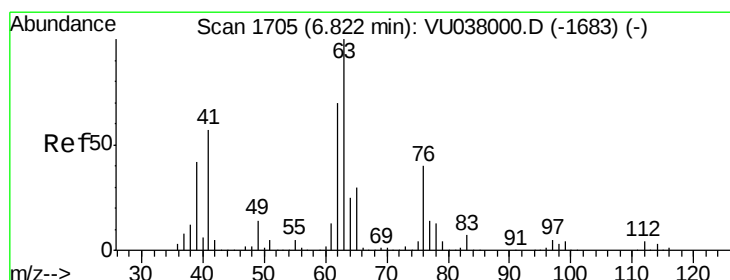
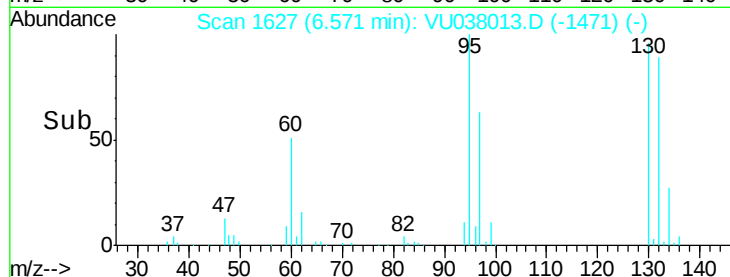
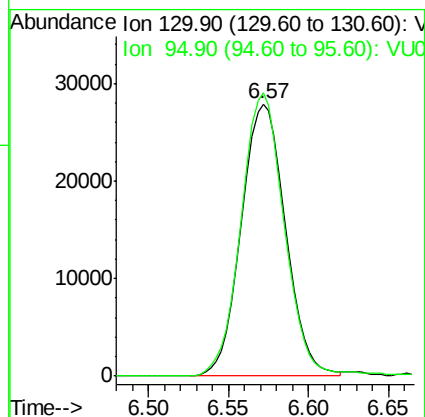
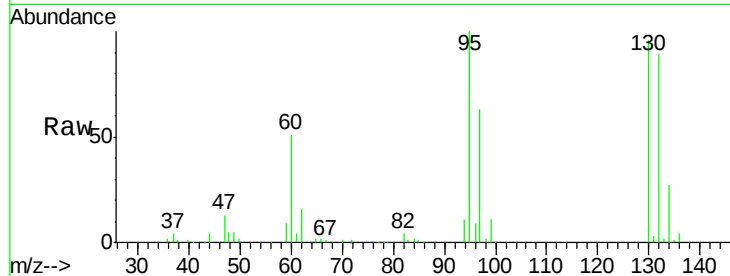
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0505WBS01

Tot Ion:130 Resp: 52662
 Ion Ratio Lower Upper
 130 100
 95 104.0 81.6 122.4

Manual Integrations
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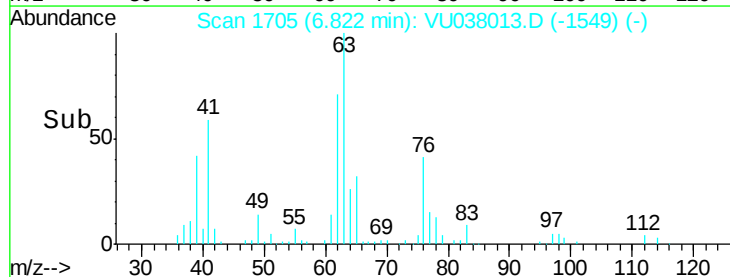
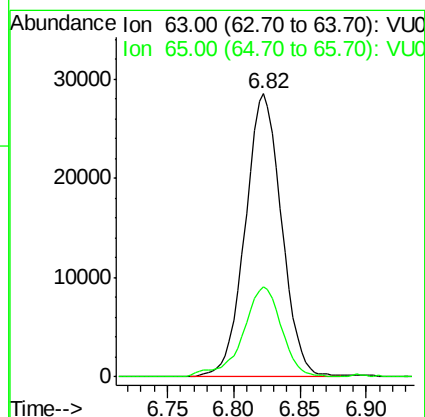
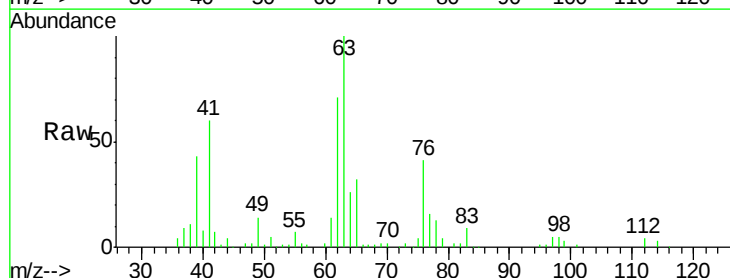
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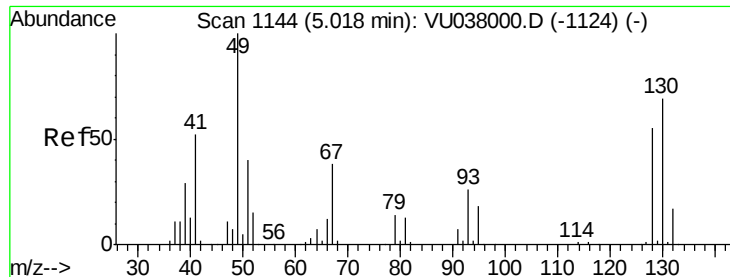
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#38
 1,2-Dichloropropane
 Concen: 2.035 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

Tgt Ion: 63 Resp: 54365
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.1 36.1





#39
Methacrylonitrile
Concen: 1.945 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

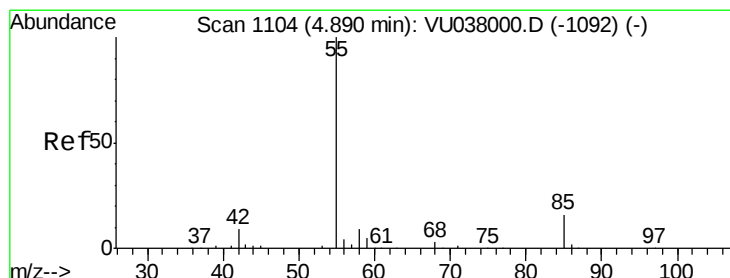
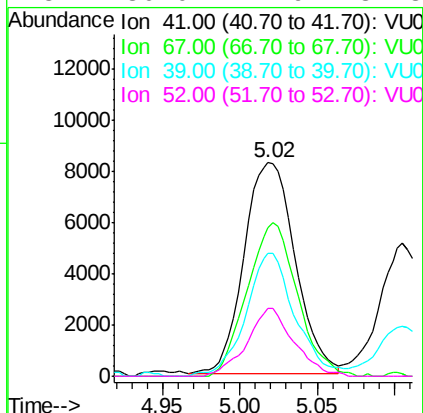
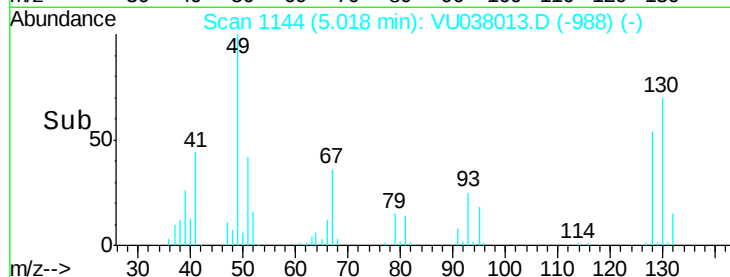
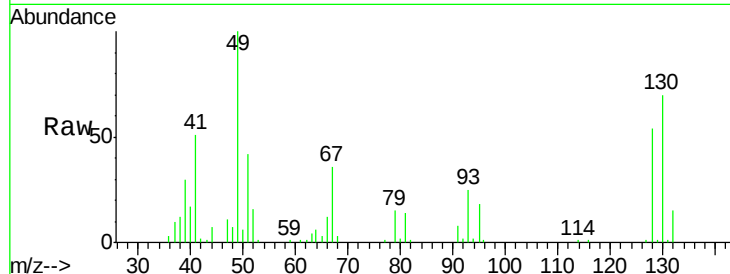
Instrument :
MSVOA_U
ClientSampleId :
VU0505WBS01

Tot Ion	41	Resp	18795
Ion Ratio	Lower	Upper	
41	100		
67	71.8	58.0	87.0
39	56.7	43.2	64.8
52	30.0	22.9	34.3

Manual Integrations
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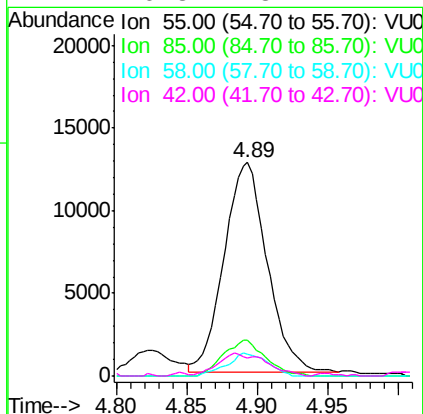
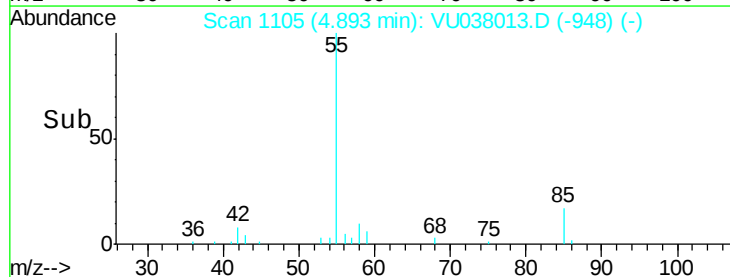
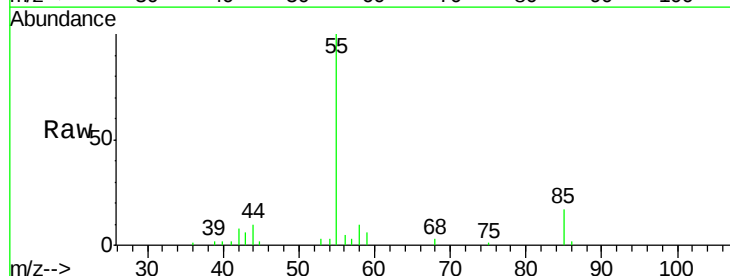
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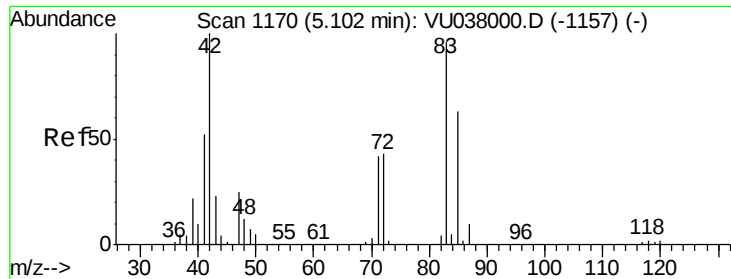
5/6/2020 10:39:30 AM



#40
Methyl acrylate
Concen: 1.907 ug/l
RT: 4.89 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion	55	Resp	27146
Ion Ratio	Lower	Upper	
55	100		
85	16.5	12.9	19.3
58	10.2	7.2	10.8
42	6.3	8.1	12.1#





#41
Tetrahydrofuran
Concen: 3.967 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

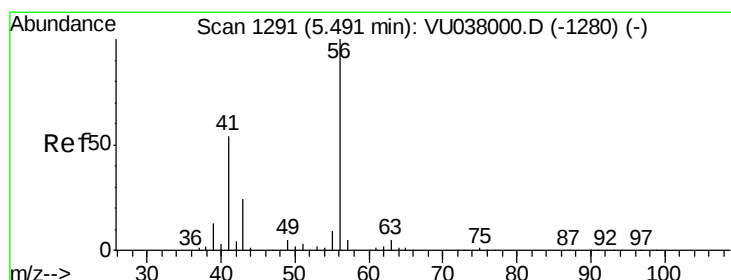
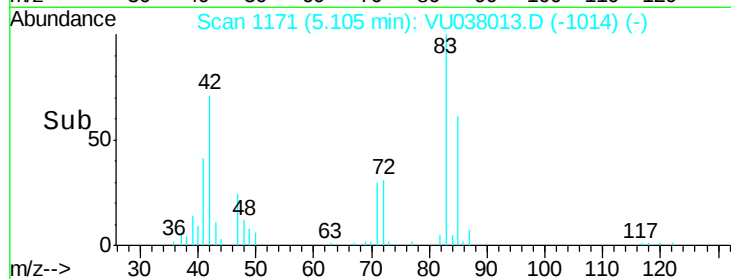
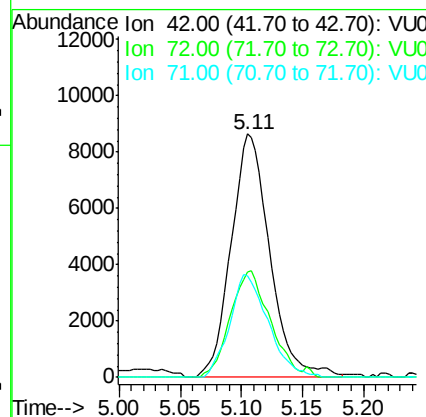
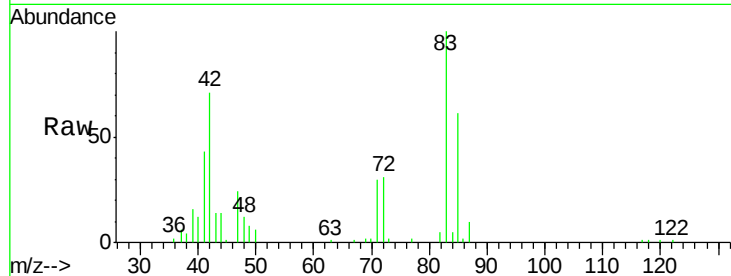
Instrument :
MSVOA_U
ClientSampleId :
VU0505WBS01

Tot Ion:	42	Resp:	19121
Ion	Ratio	Lower	Upper
42	100		
72	44.8	37.4	56.2
71	42.0	32.8	49.2

Manual Integrations
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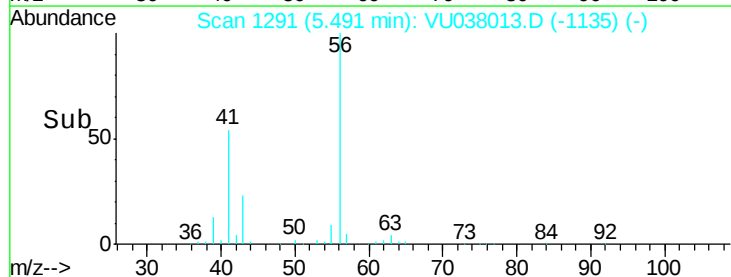
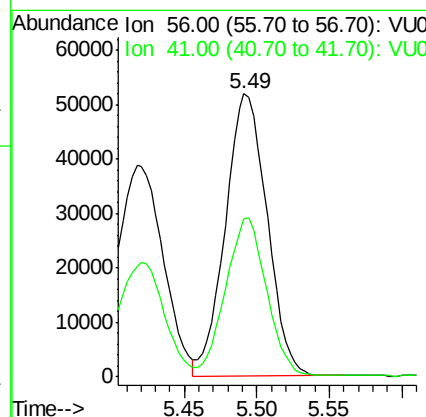
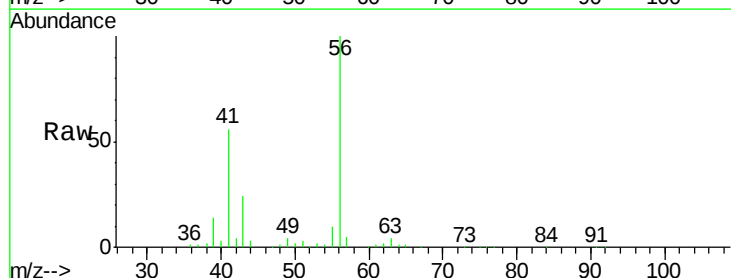
apatel

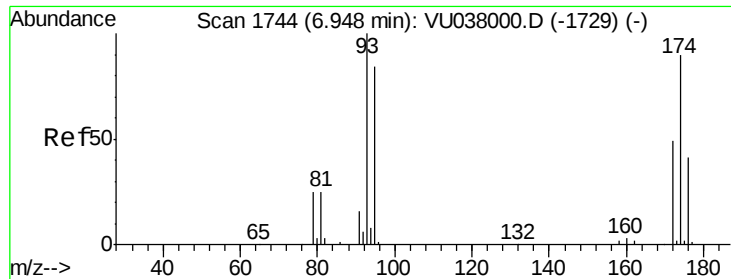
5/6/2020 10:39:30 AM



#42
1-Chlorobutane
Concen: 2.026 ug/l
RT: 5.49 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion:	56	Resp:	103538
Ion	Ratio	Lower	Upper
56	100		
41	54.6	26.8	80.4





#43
 Dibromomethane
 Concen: 1.958 ug/l
 RT: 6.95 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

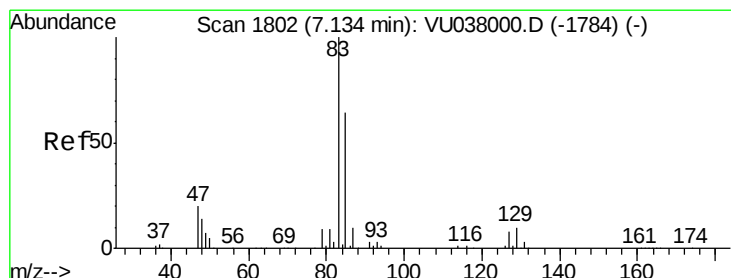
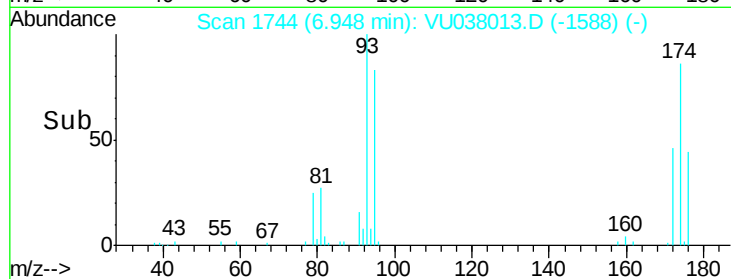
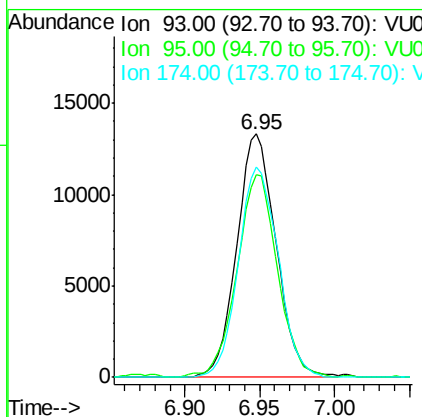
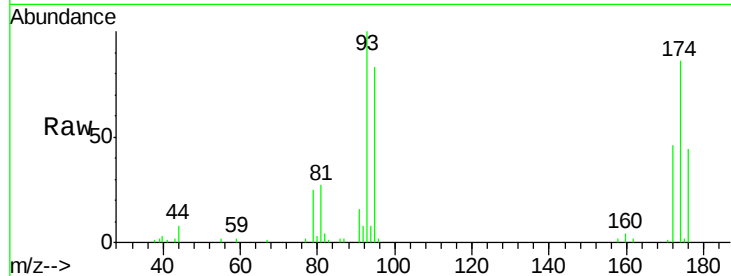
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0505WBS01

Tot Ion	Ratio	Lower	Upper
93	100		
95	86.0	66.1	99.1
174	87.6	72.8	109.2

Manual Integrations
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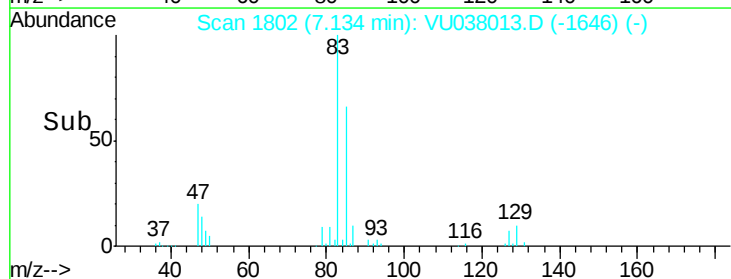
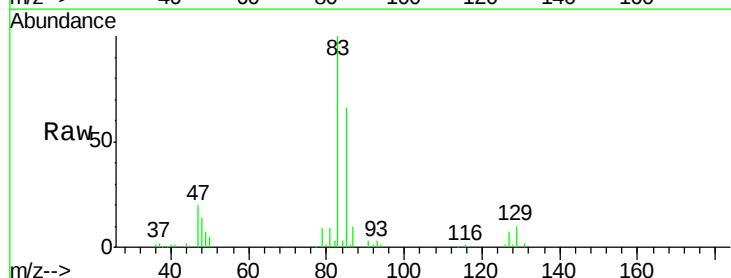
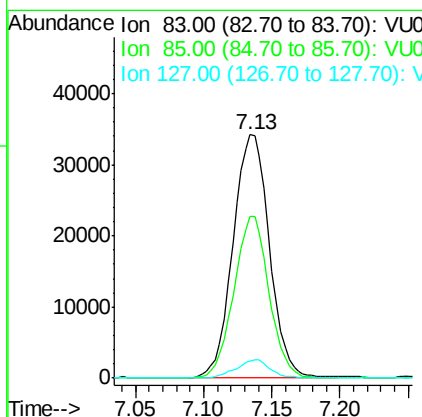
apatel

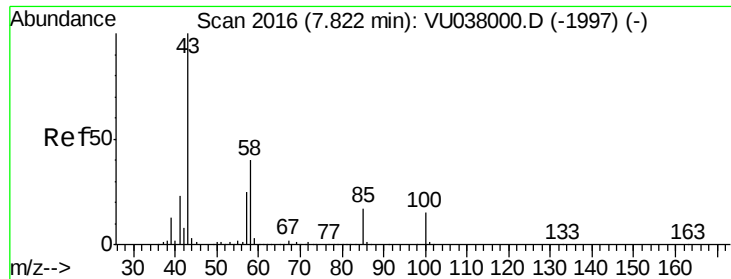
5/6/2020 10:39:30 AM



#44
 Bromodichloromethane
 Concen: 2.033 ug/l
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.4	77.0
127	7.1	6.2	9.2





#45

4-Methyl-2-Pentanone

Concen: 9.369 ug/l

RT: 7.82 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

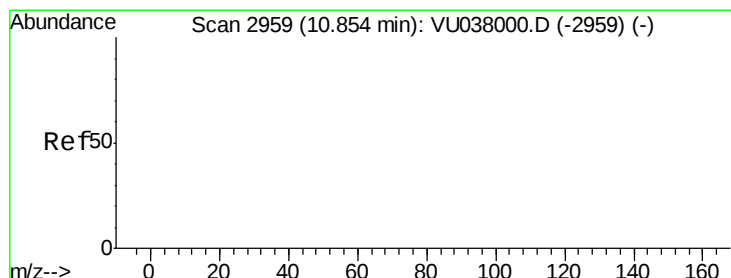
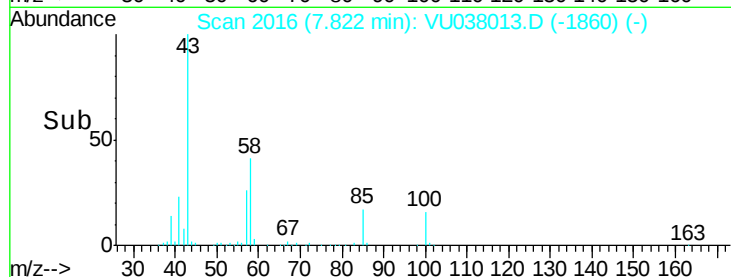
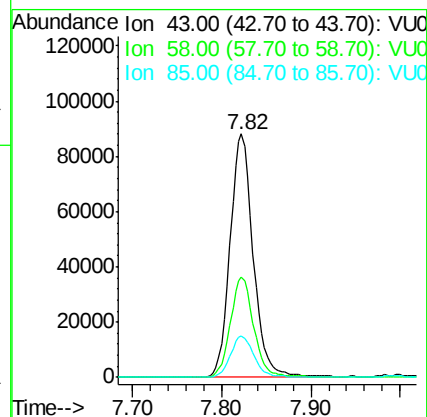
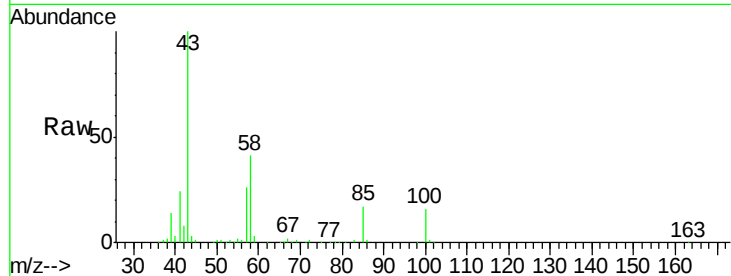
VU0505WBS01

Tot Ion:	43	Resp:	158888
Ion Ratio		Lower	Upper
43	100		
58	41.5	20.1	60.3
85	17.3	13.7	20.5

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#46

t-1,4-Dichloro-2-butene

Concen: 3.808 ug/l m

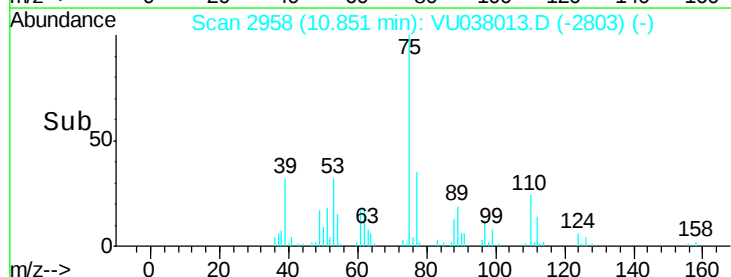
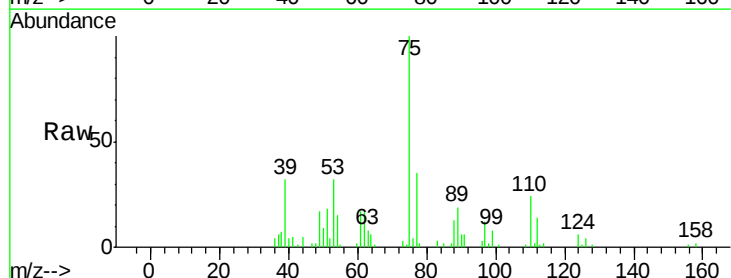
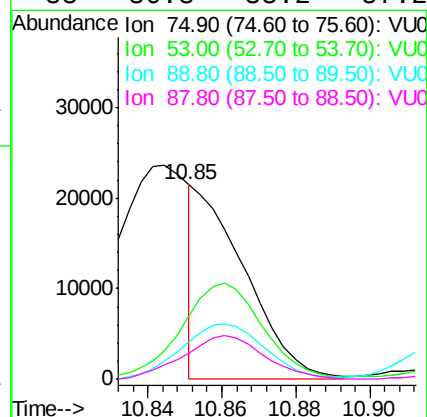
RT: 10.85 min Scan# 2958

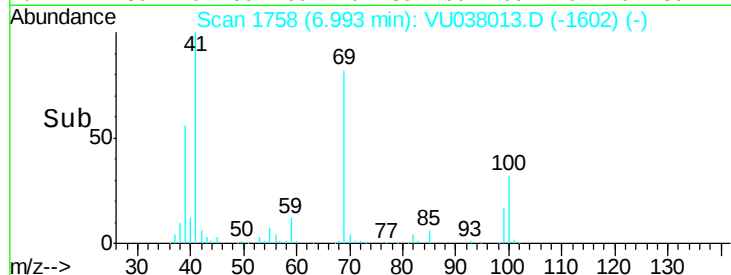
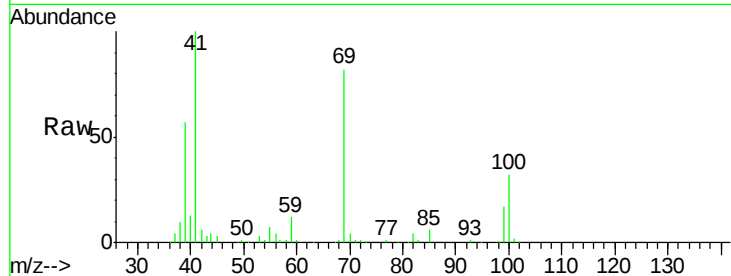
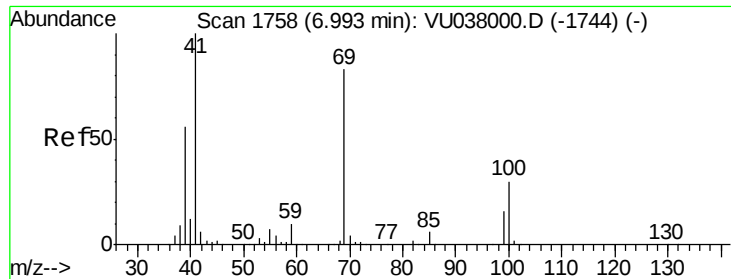
Delta R.T. -0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Tgt Ion:	75	Resp:	19968
Ion Ratio		Lower	Upper
75	100		
53	81.8	81.1	121.7
89	48.0	53.2	79.8#
88	36.3	38.2	57.2#





#47
Methyl methacrylate
Concen: 3.696 ug/l
RT: 6.99 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

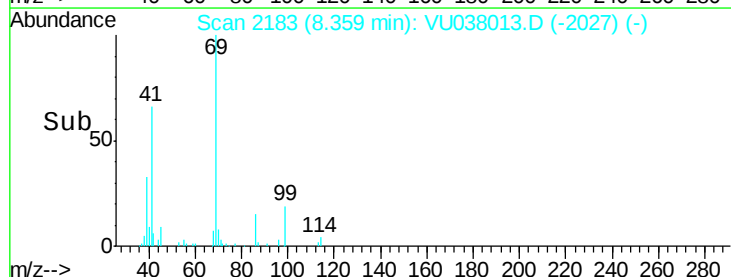
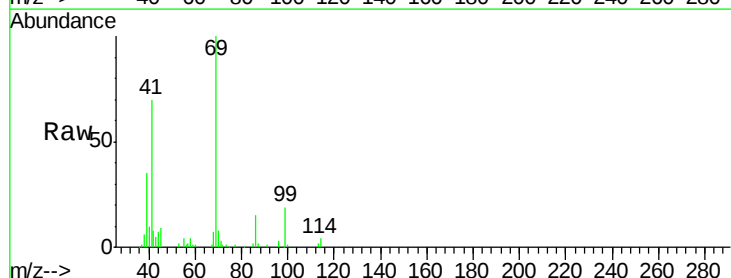
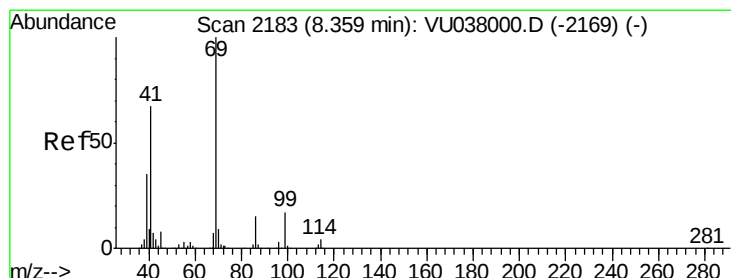
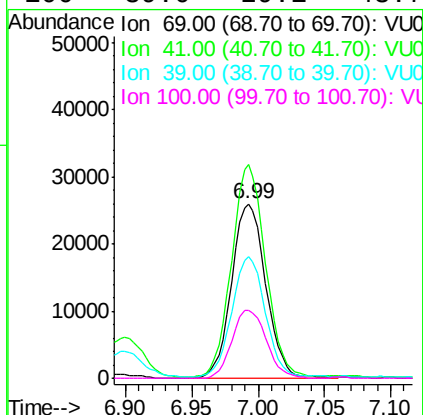
Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	120.6	0.0	241.6	
39	65.9	52.9	79.3	
100	39.0	29.1	43.7	

Instrument :
MSVOA_U
ClientSampleId :
VU0505WBS01

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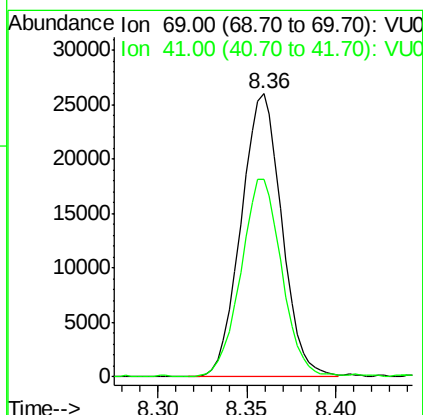
apatel

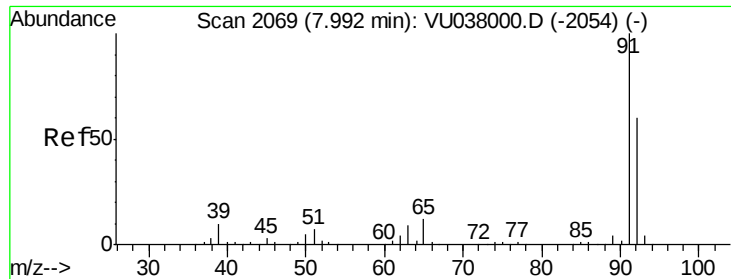
5/6/2020 10:39:30 AM



#48
Ethyl methacrylate
Concen: 1.776 ug/l
RT: 8.36 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	70.3	33.6	100.8	





#49

Toluene

Concen: 2.004 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

VU0505WBS01

Tot Ion: 92 Resp: 125796

Ion Ratio Lower Upper

92 100

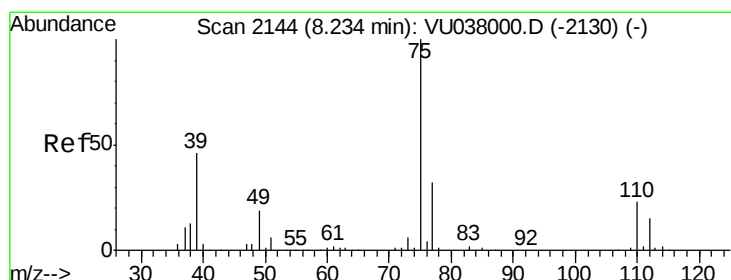
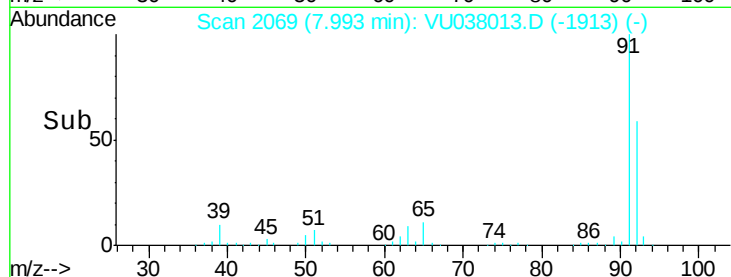
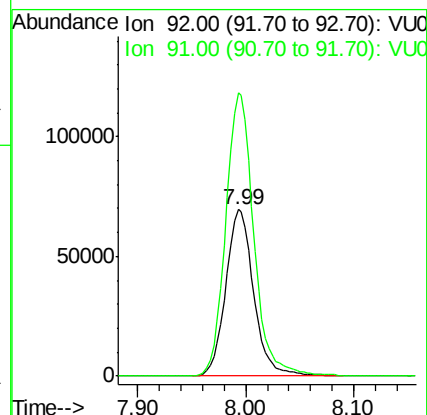
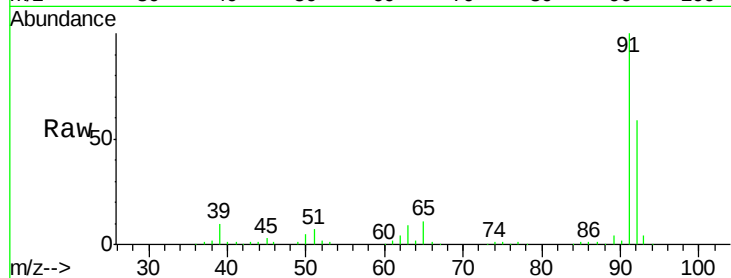
91 170.2 134.4 201.6

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#50

t-1,3-Dichloropropene

Concen: 1.809 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038013.D

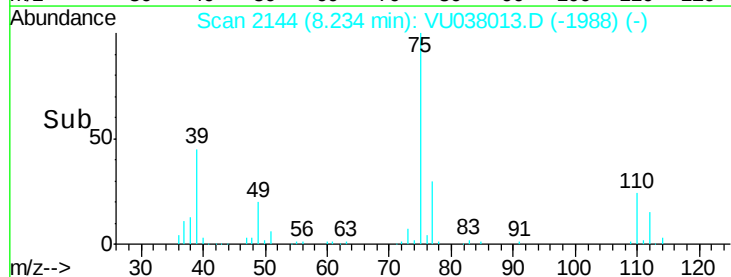
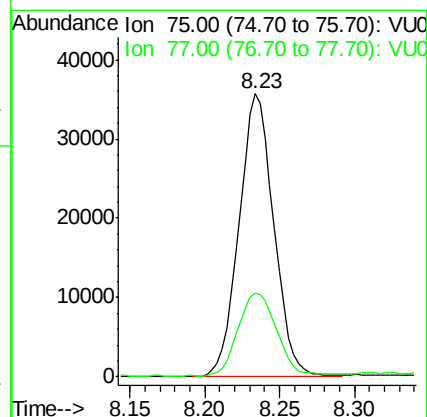
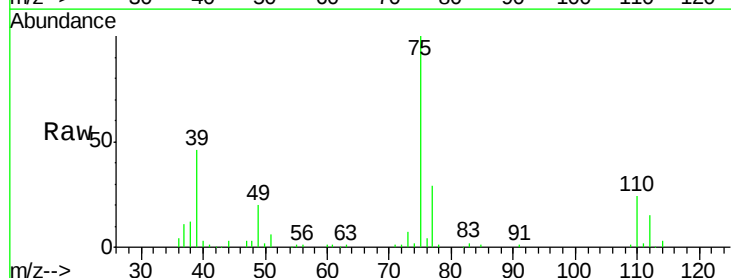
Acq: 05 May 2020 13:14

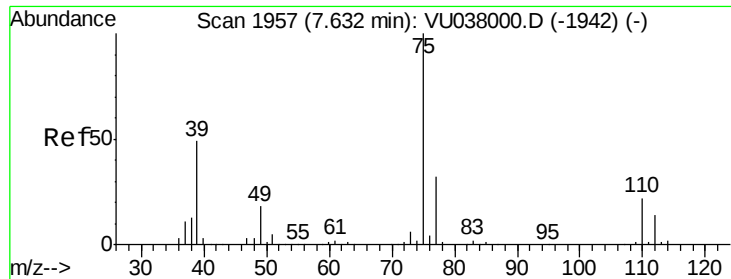
Tgt Ion: 75 Resp: 57780

Ion Ratio Lower Upper

75 100

77 29.0 25.8 38.8





#51
 cis-1,3-Dichloropropene
 Concen: 1.917 ug/l
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

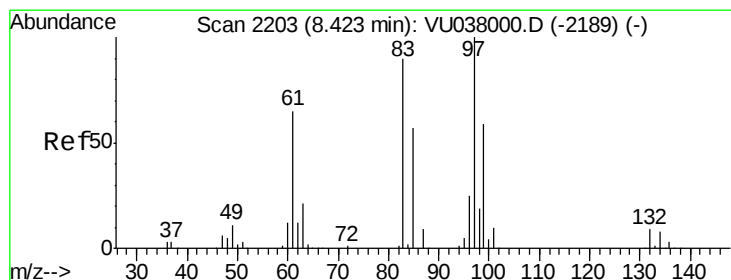
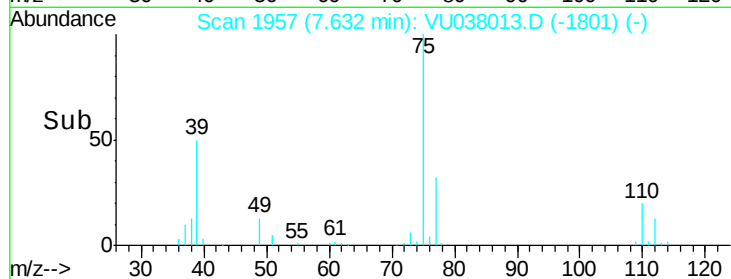
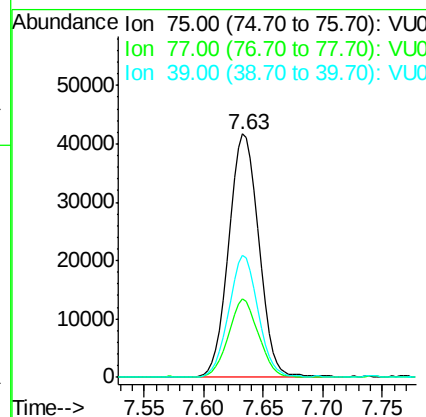
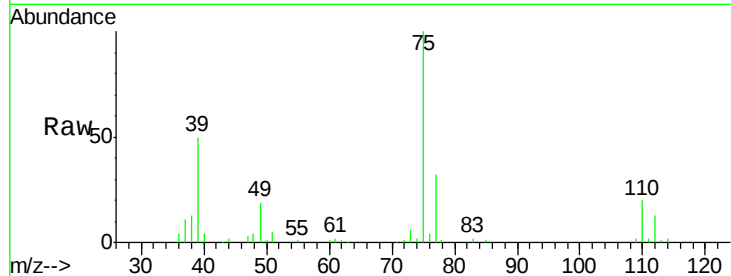
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0505WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	50.1	39.0	58.4

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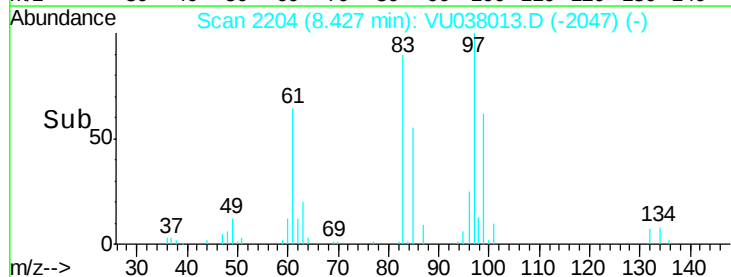
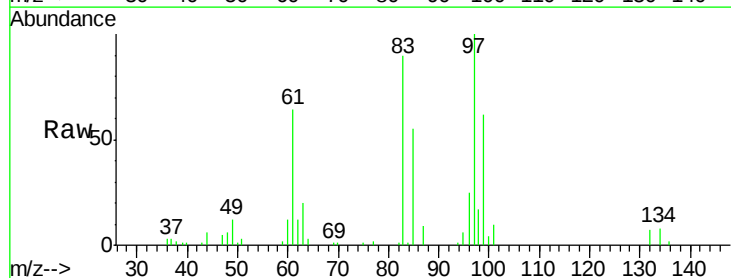
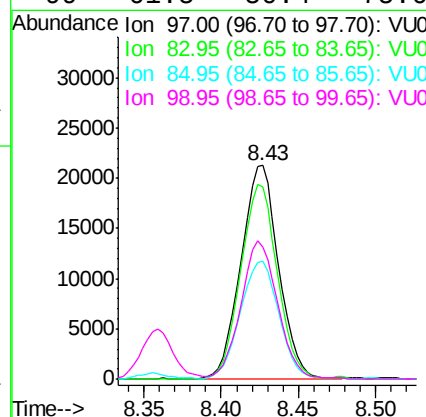
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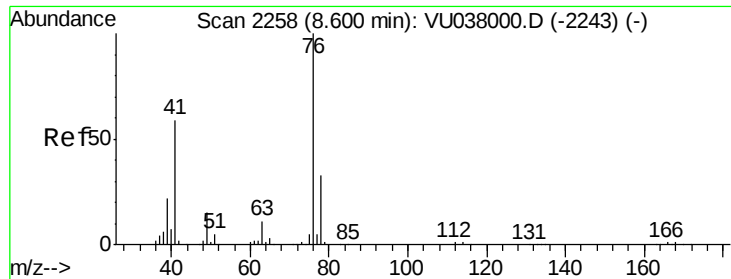
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#52
 1,1,2-Trichloroethane
 Concen: 2.045 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.4	108.6
85	54.8	46.0	69.0
99	61.5	50.4	75.6





#53

1,3-Dichloropropane

Concen: 2.058 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

VU0505WBS01

Tot Ion: 76 Resp: 68079

Ion Ratio Lower Upper

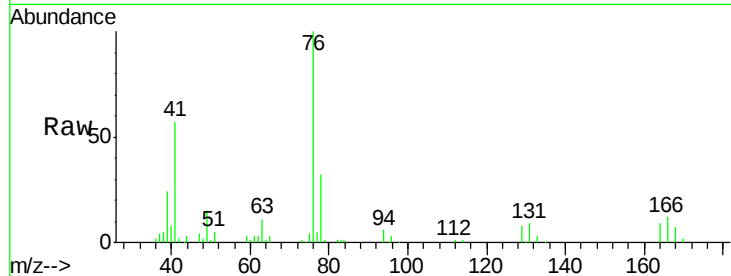
76 100

78 30.6 25.8 38.6

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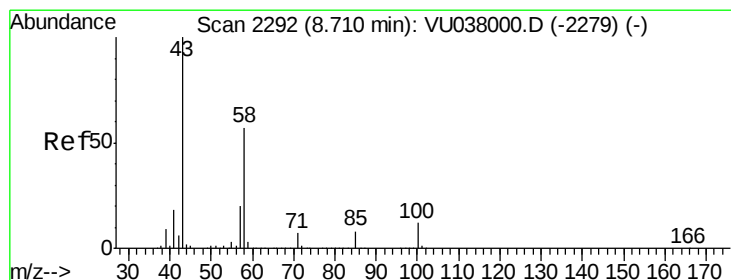
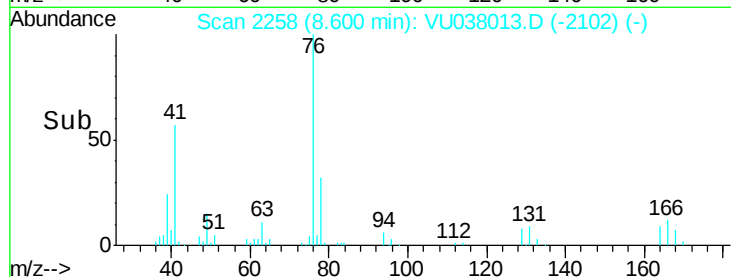
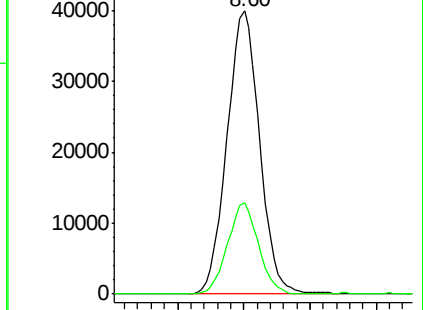
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Abundance Ion 76.00 (75.70 to 76.70): VU038013.D (-2102) (-)

Ion 78.00 (77.70 to 78.70): VU038013.D (-2102) (-)



#54

2-Hexanone

Concen: 9.045 ug/l

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

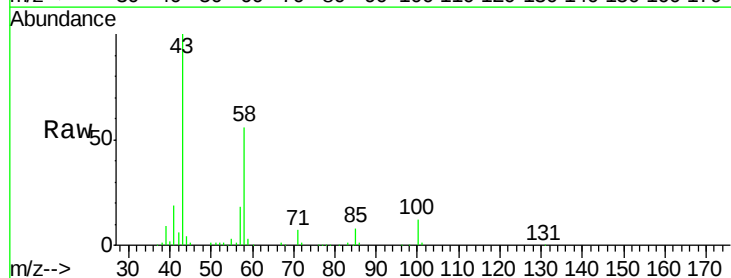
Tgt Ion: 43 Resp: 108279

Ion Ratio Lower Upper

43 100

58 56.9 36.5 76.5

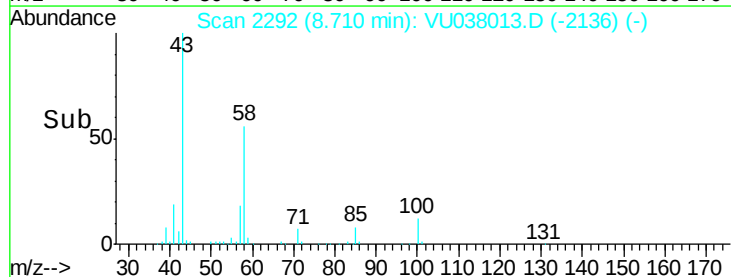
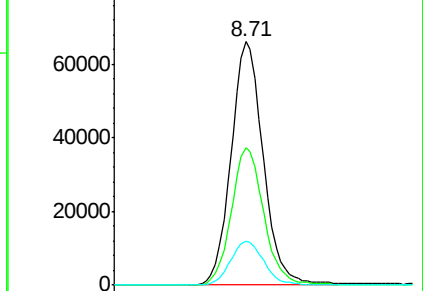
57 18.8 0.0 39.5

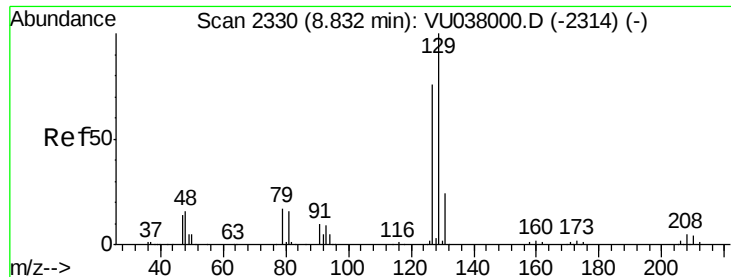


Abundance Ion 43.00 (42.70 to 43.70): VU038013.D (-2136) (-)

Ion 58.00 (57.70 to 58.70): VU038013.D (-2136) (-)

Ion 57.00 (56.70 to 57.70): VU038013.D (-2136) (-)





#55

Dibromochloromethane

Concen: 1.874 ug/l

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

VU0505WBS01

Tot Ion:129 Resp: 36585

Ion Ratio Lower Upper

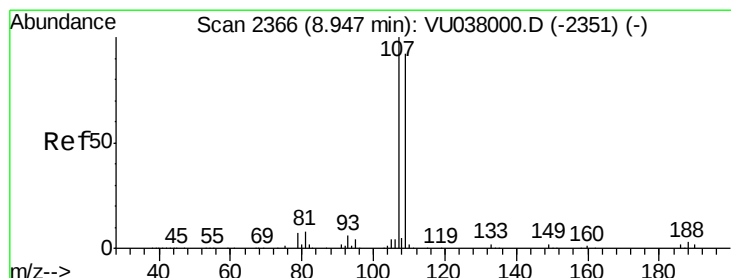
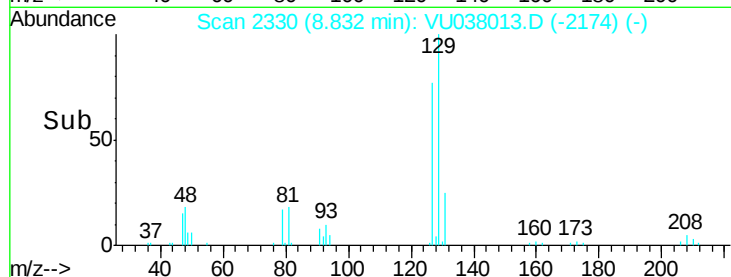
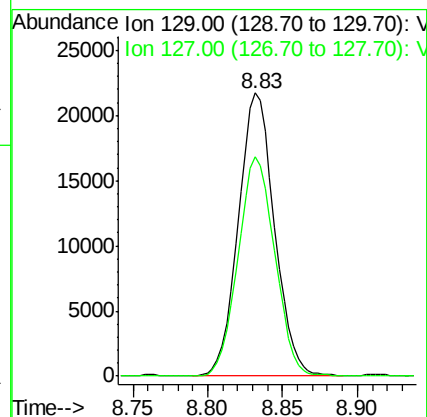
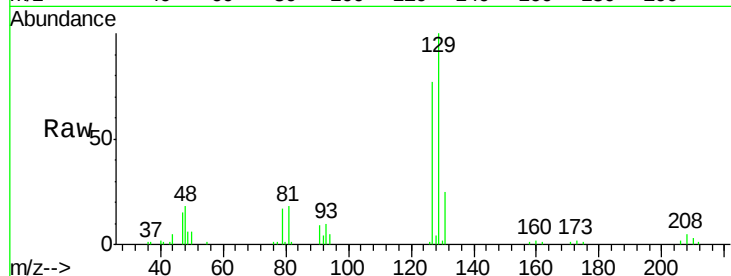
129 100

127 78.7 62.2 93.2

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#56

1,2-Dibromoethane

Concen: 1.897 ug/l

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU038013.D

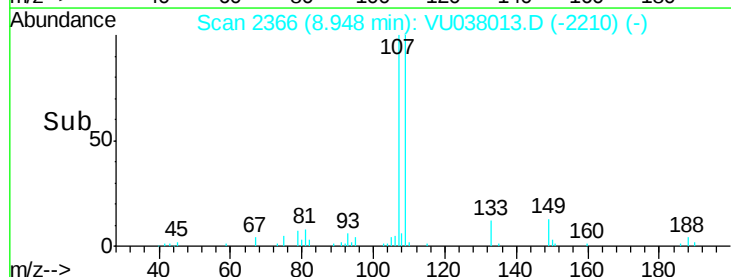
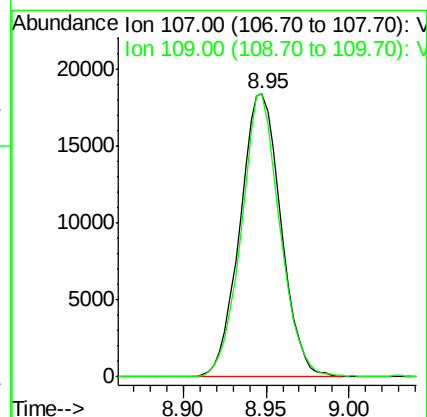
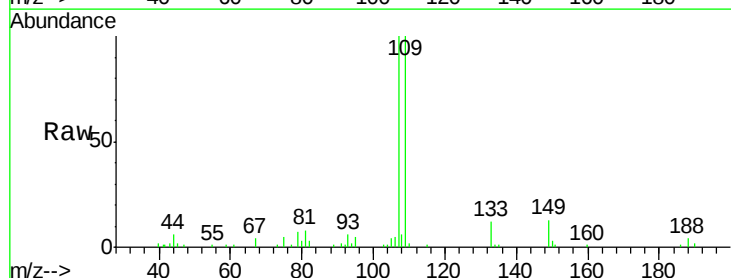
Acq: 05 May 2020 13:14

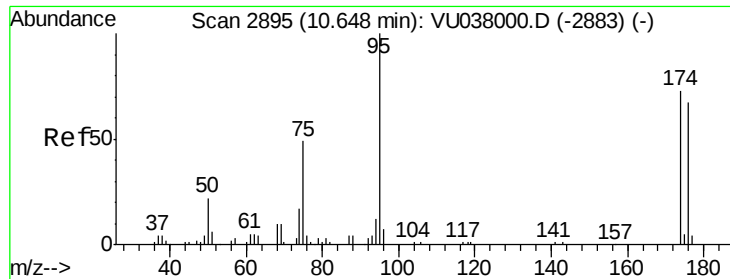
Tgt Ion:107 Resp: 31540

Ion Ratio Lower Upper

107 100

109 94.1 0.0 184.6





#57
4-Bromofluorobenzene
Concen: 0.968 ug/l
RT: 10.65 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

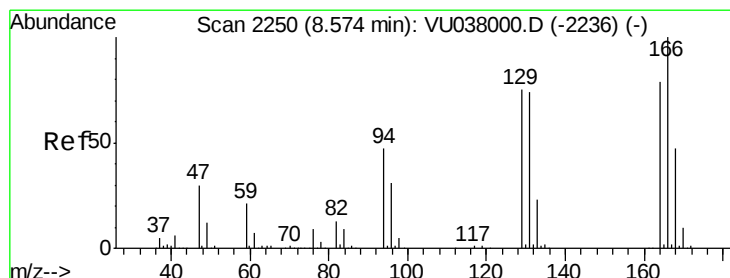
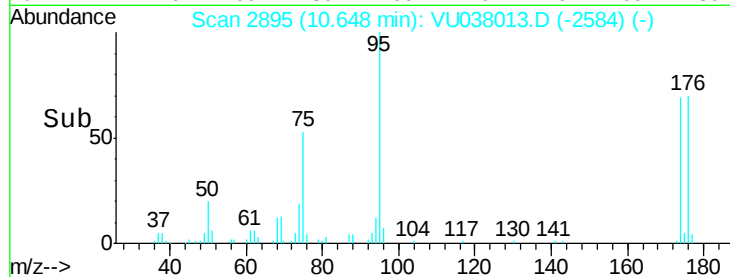
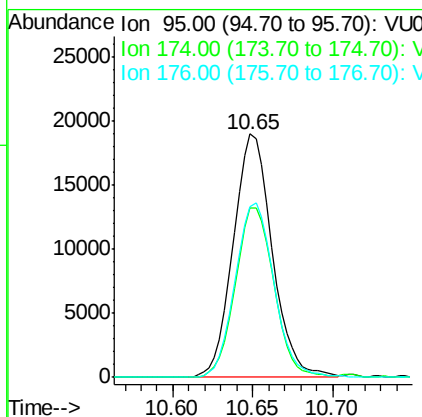
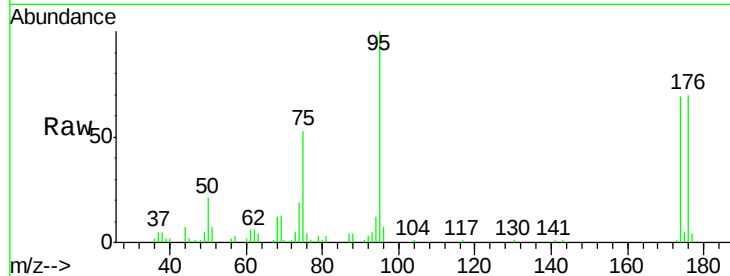
Instrument :
MSVOA_U
ClientSampled :
VU0505WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.8	61.2	91.8
176	71.3	57.1	85.7

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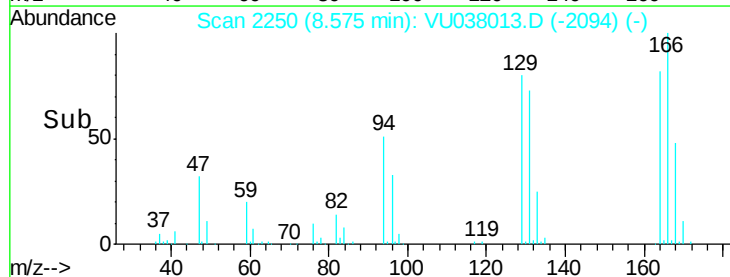
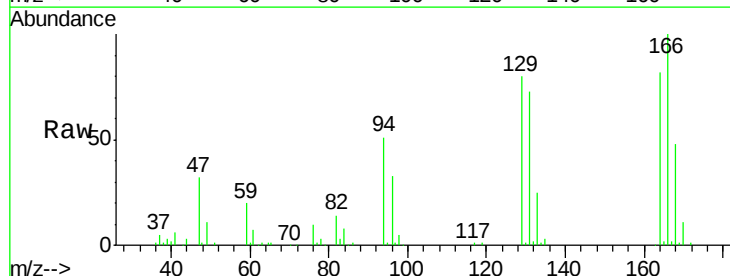
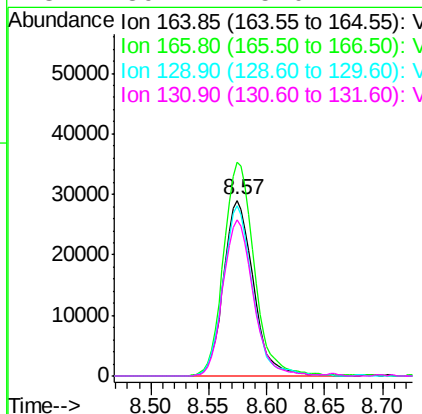
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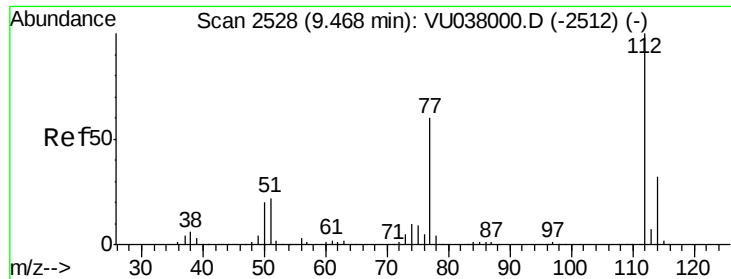
5/6/2020 10:39:30 AM



#58
Tetrachloroethene
Concen: 2.122 ug/l
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.5	152.3
129	97.1	76.6	114.8
131	89.1	75.0	112.4





#59
Chlorobenzene
Concen: 1.988 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

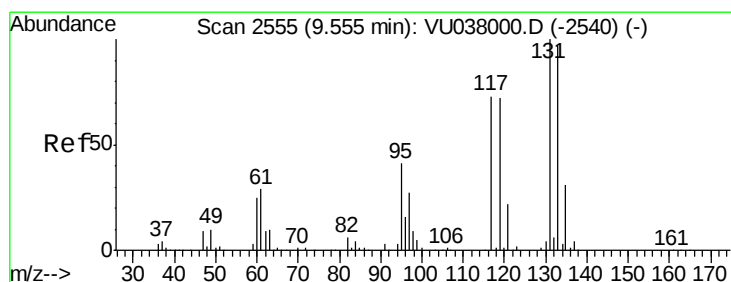
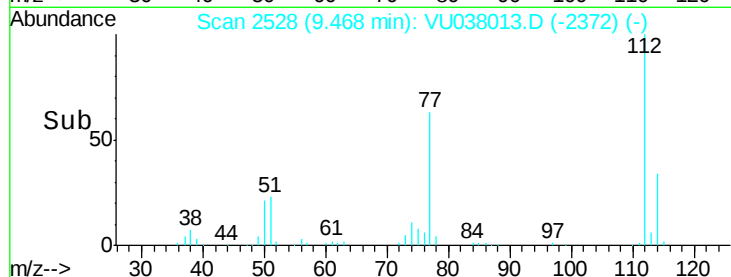
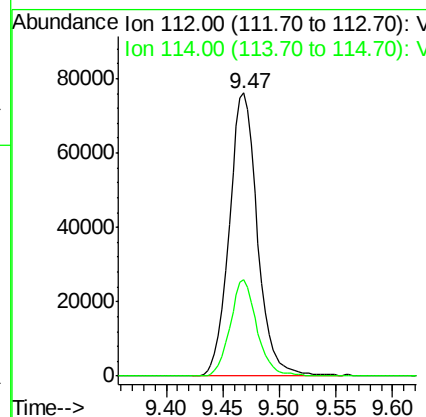
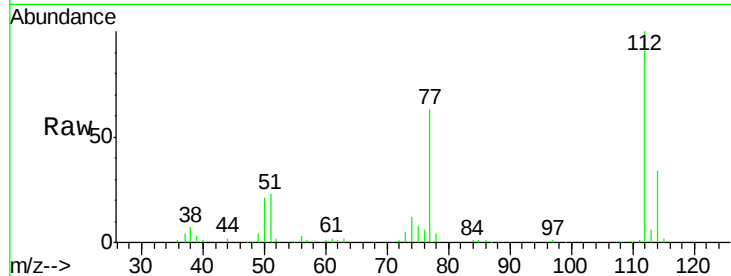
Instrument :
MSVOA_U
ClientSampleId :
VU0505WBS01

Tot Ion:112 Resp: 132470
Ion Ratio Lower Upper
112 100
114 34.2 25.7 38.5

Manual Integrations
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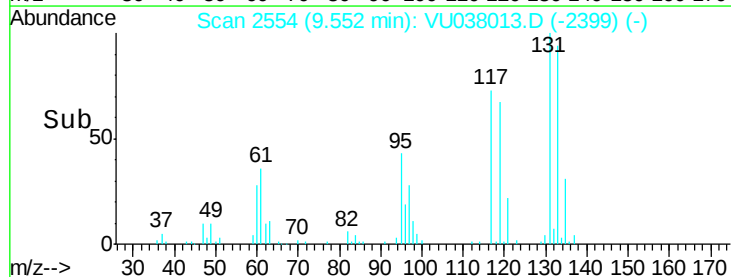
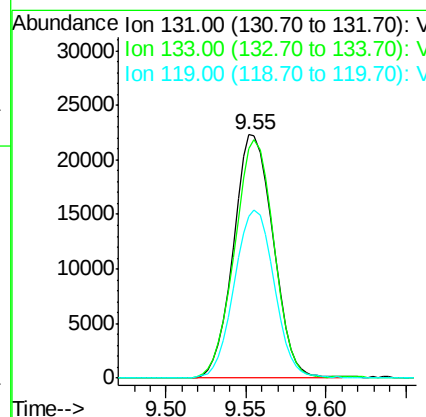
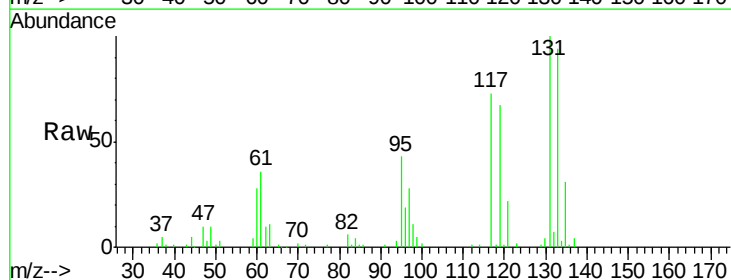
apatel

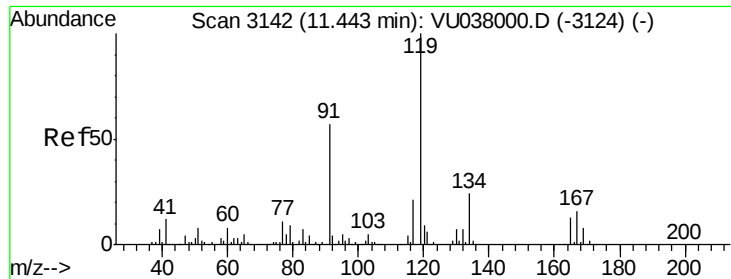
5/6/2020 10:39:30 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.869 ug/l
RT: 9.55 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion:131 Resp: 37822
Ion Ratio Lower Upper
131 100
133 96.8 76.8 115.2
119 69.3 56.7 85.1





#61
 Pentachloroethane
 Concen: 1.865 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

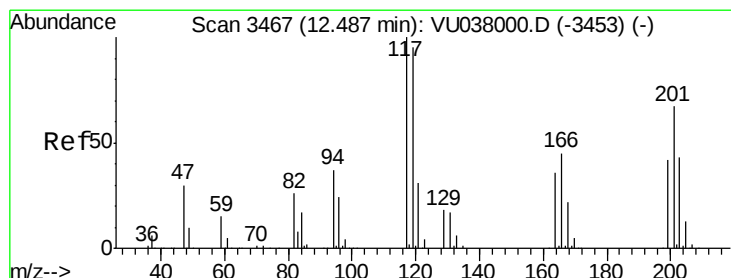
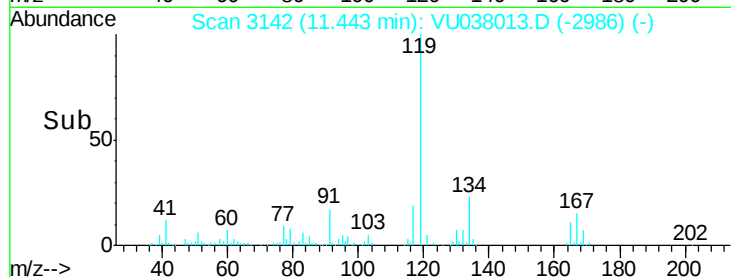
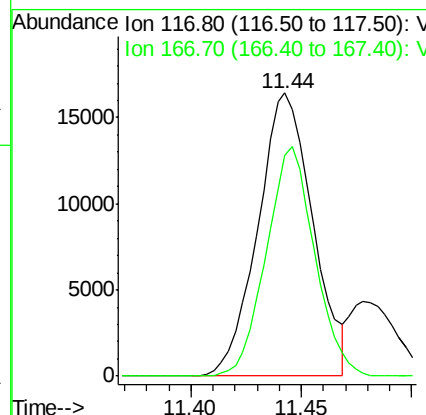
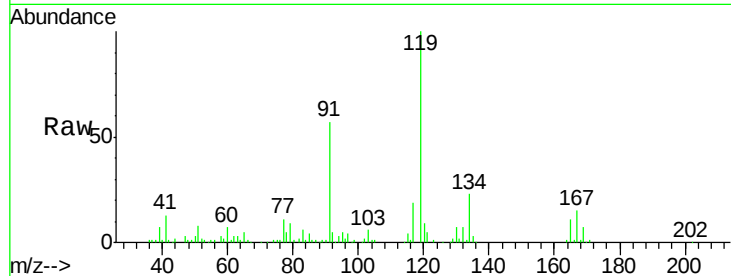
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0505WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	28262		
167	71.4	60.3	90.5	

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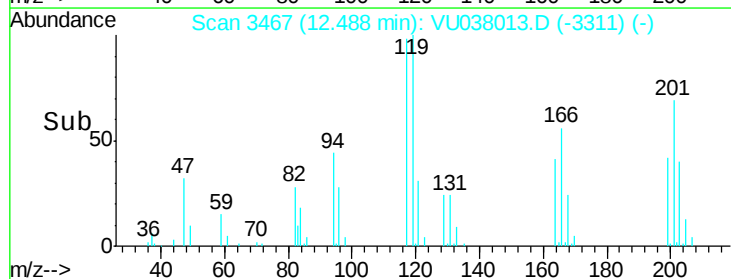
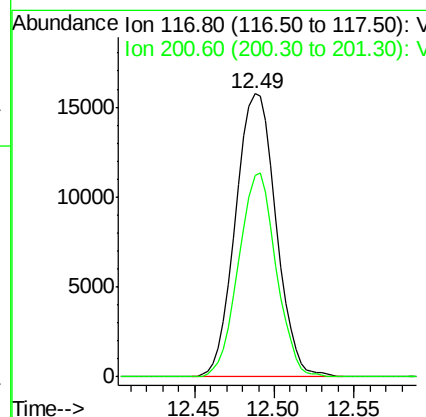
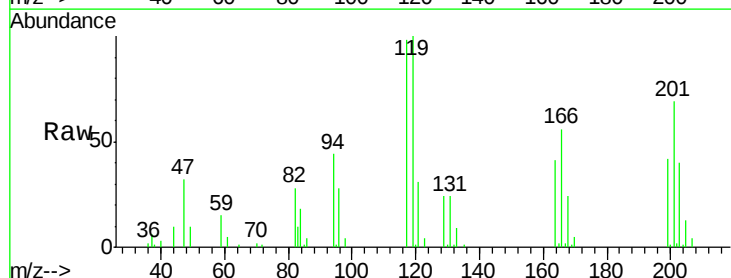
apatel

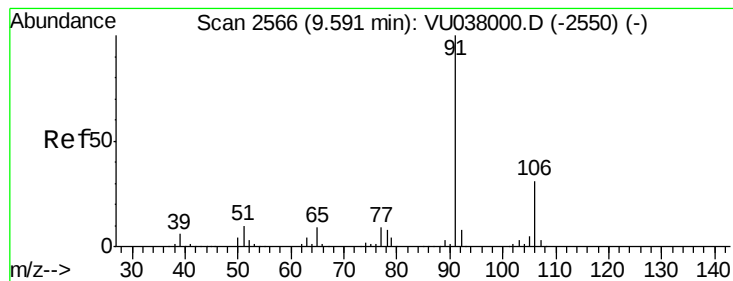
5/6/2020 10:39:30 AM



#62
 Hexachloroethane
 Concen: 1.721 ug/l
 RT: 12.49 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27151		
201	66.8	54.7	82.1	





#63

Ethyl Benzene

Concen: 1.966 ug/l

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

VU0505WBS01

Tot Ion: 91 Resp: 233051

Ion Ratio Lower Upper

91 100

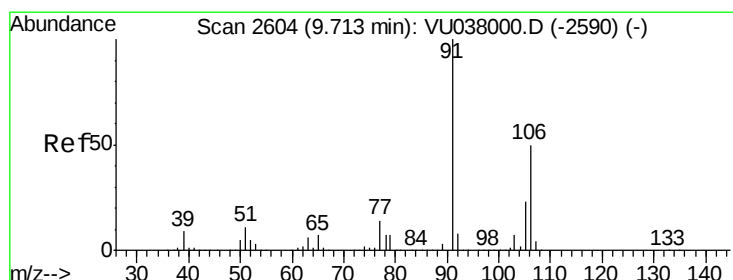
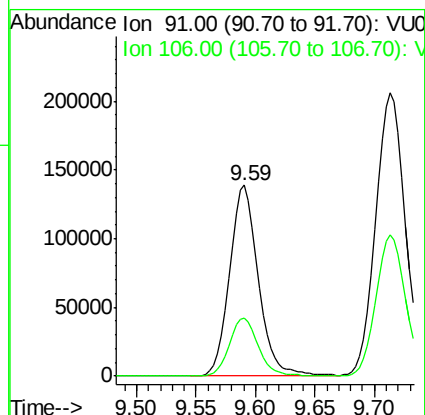
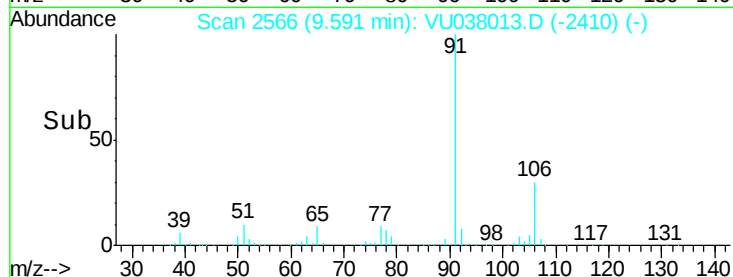
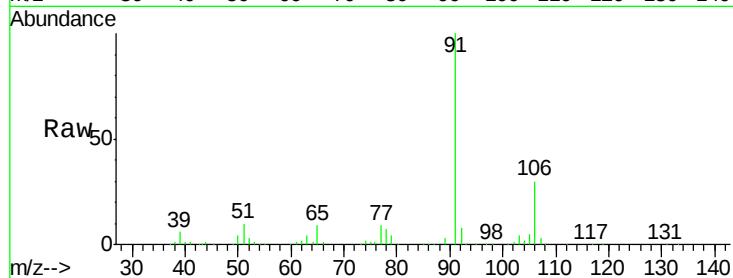
106 30.4 24.9 37.3

Manual Integrations

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#64

m/p-Xylenes

Concen: 3.999 ug/l

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038013.D

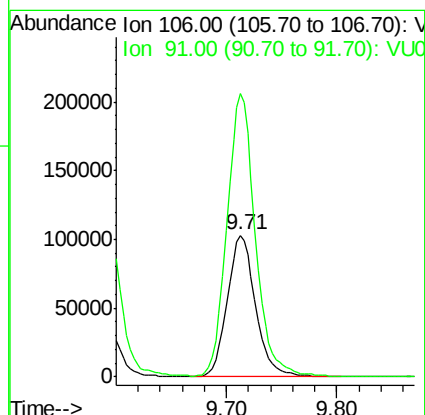
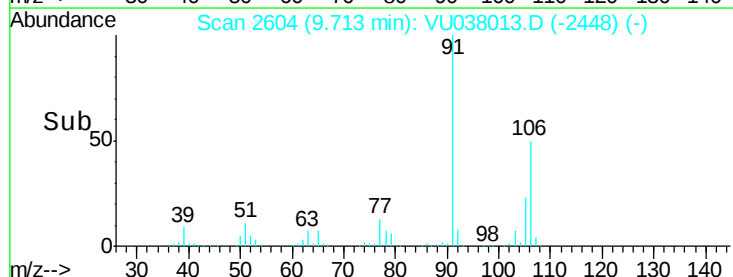
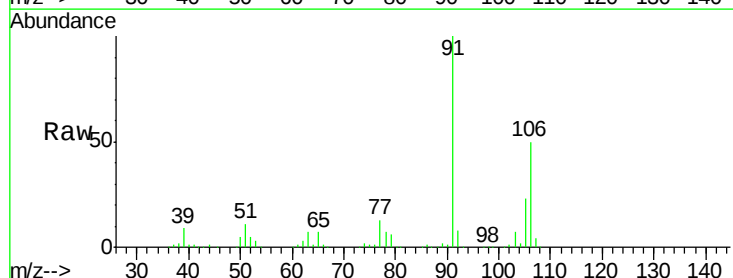
Acq: 05 May 2020 13:14

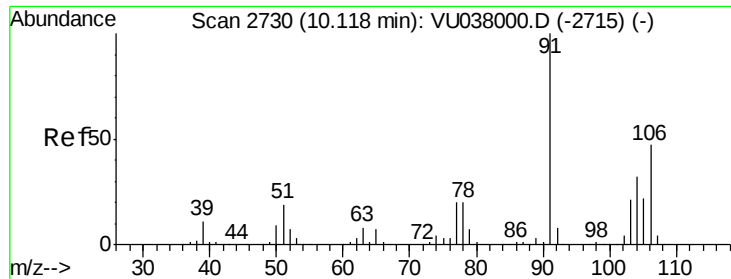
Tgt Ion: 106 Resp: 182479

Ion Ratio Lower Upper

106 100

91 199.9 159.5 239.3





#65
o-Xylene
Concen: 1.939 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

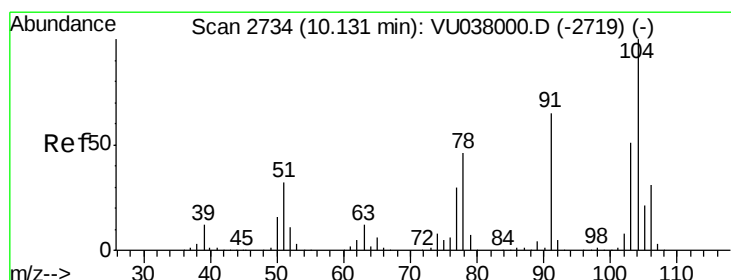
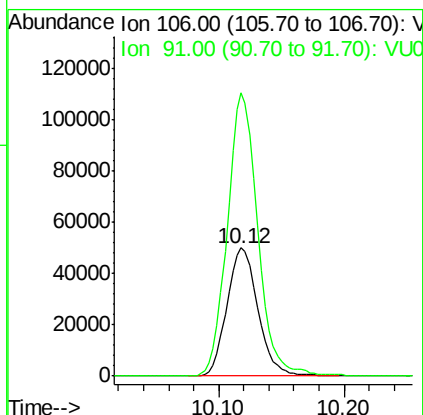
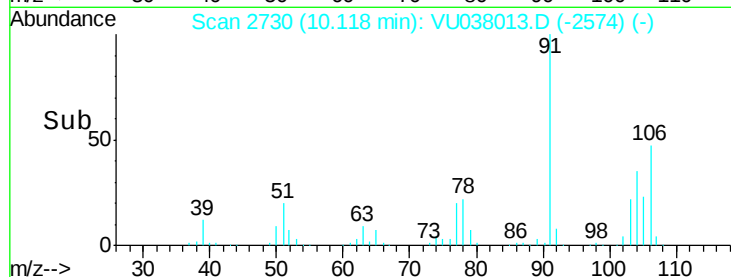
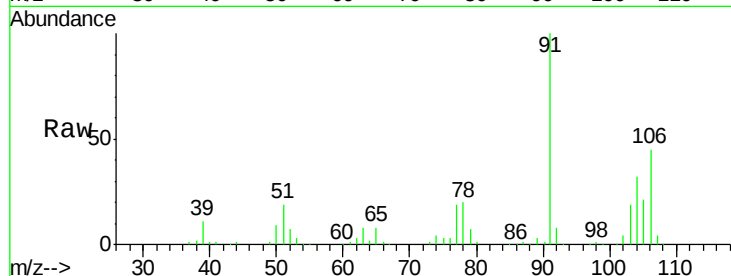
Instrument :
MSVOA_U
ClientSampleId :
VU0505WBS01

Tot Ion:106 Resp: 86237
Ion Ratio Lower Upper
106 100
91 215.1 105.7 317.0

Manual Integrations
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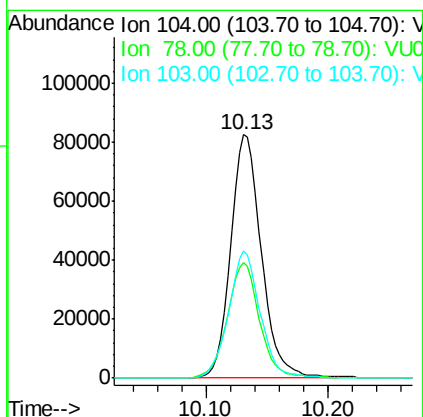
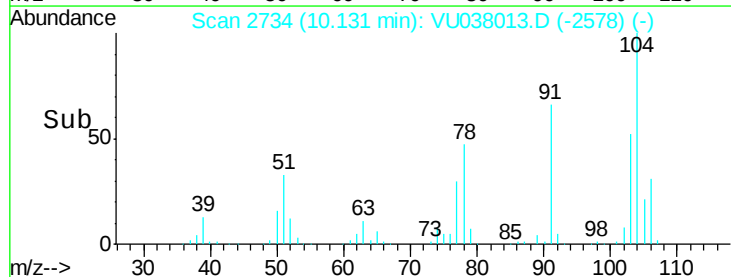
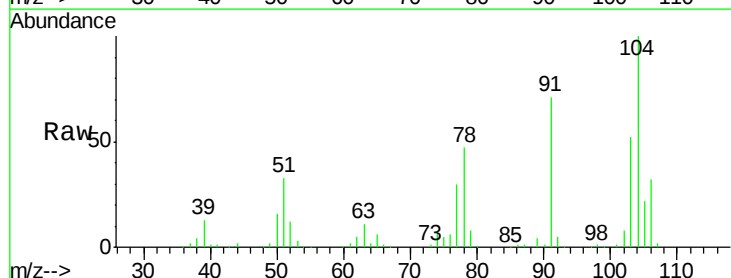
apatel

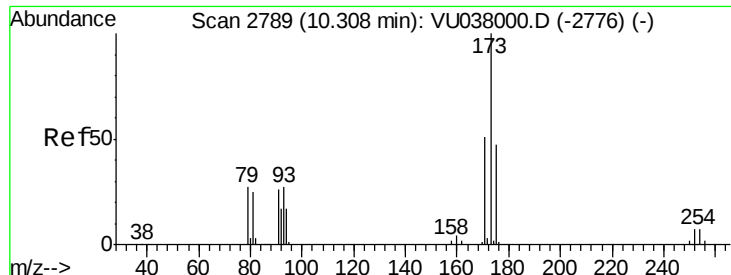
5/6/2020 10:39:30 AM



#66
Styrene
Concen: 1.976 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion:104 Resp: 144817
Ion Ratio Lower Upper
104 100
78 49.9 39.9 59.9
103 53.7 43.4 65.2





#67
Bromoform
Concen: 1.787 ug/l
RT: 10.31 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

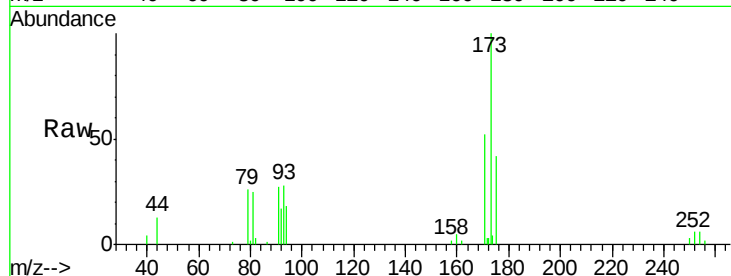
Instrument :
MSVOA_U
ClientSampled :
VU0505WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.0	37.6	56.4
254	5.0	5.5	8.3#

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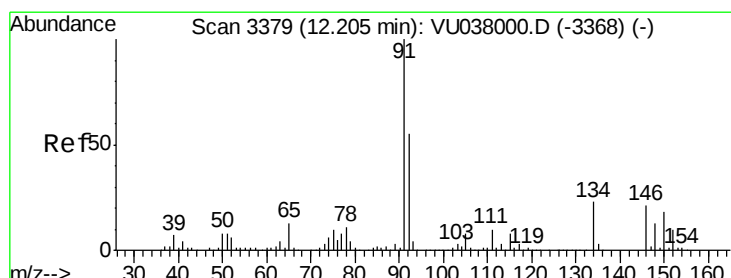
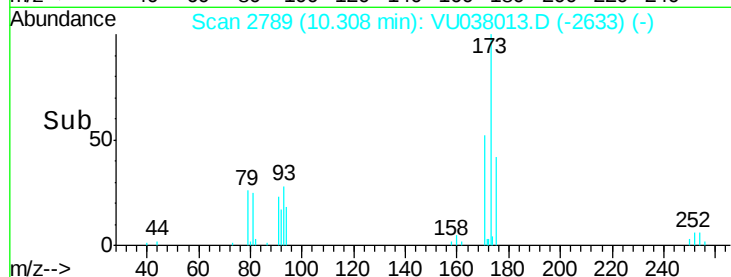
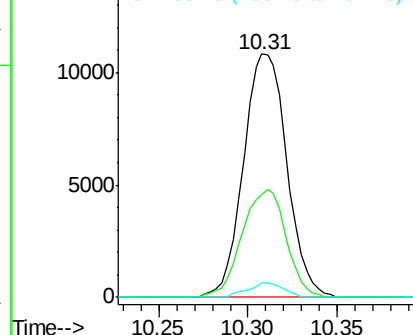


Abundance

Ion 172.90 (172.60 to 173.60): V

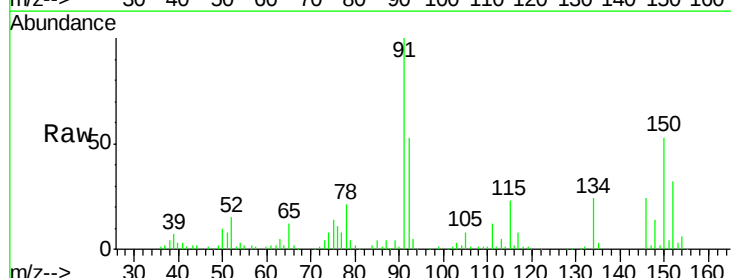
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 0.970 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.2	0.0	261.0
150	188.2	0.0	650.2

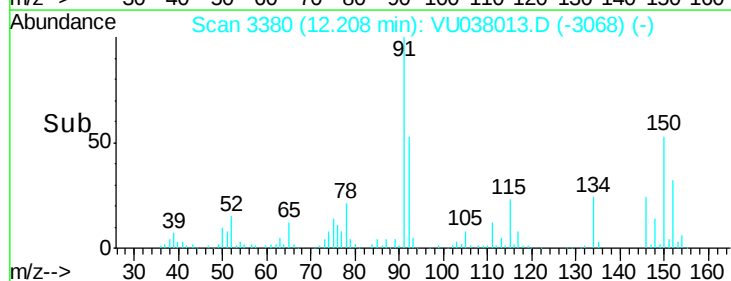
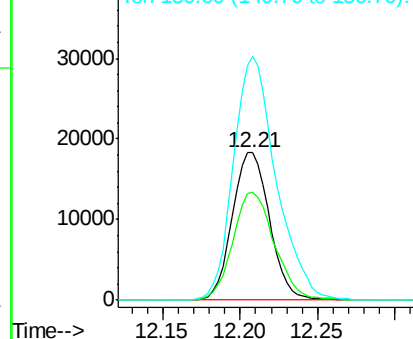


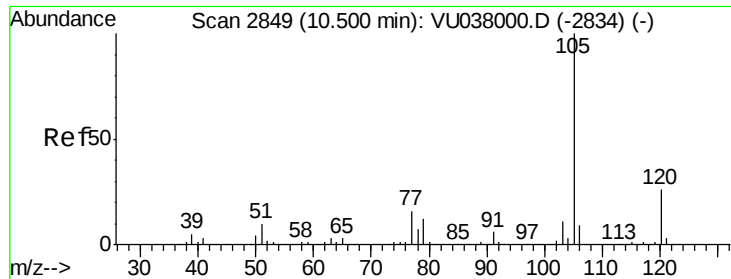
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.959 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampleId :

VU0505WBS01

Tot Ion:105 Resp: 227476

Ion Ratio Lower Upper

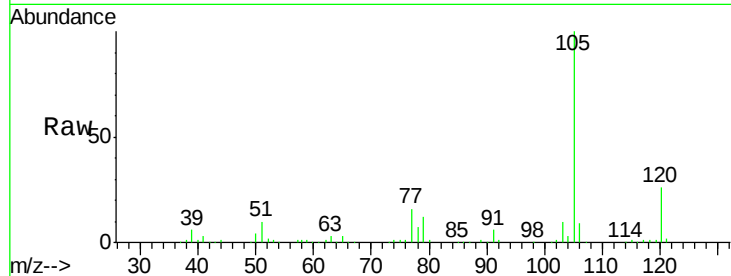
105 100

120 25.5 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

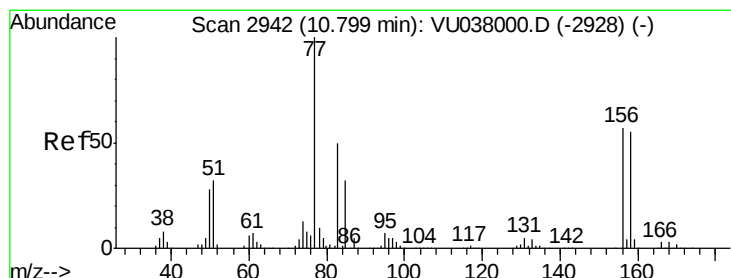
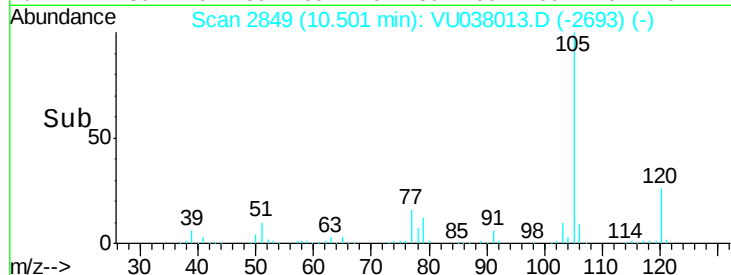
100000

50000

0

10.40 10.50 10.60

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 1.935 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

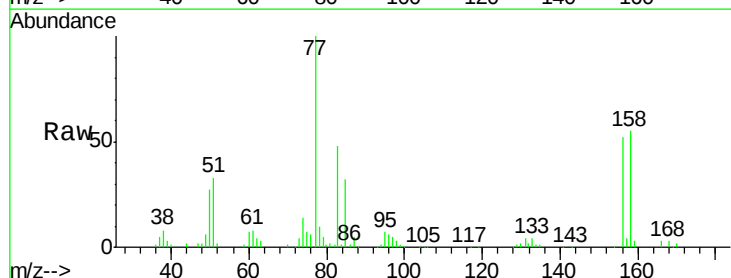
Tgt Ion: 83 Resp: 43689

Ion Ratio Lower Upper

83 100

131 8.9 7.2 10.8

85 64.9 50.0 75.0



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

30000

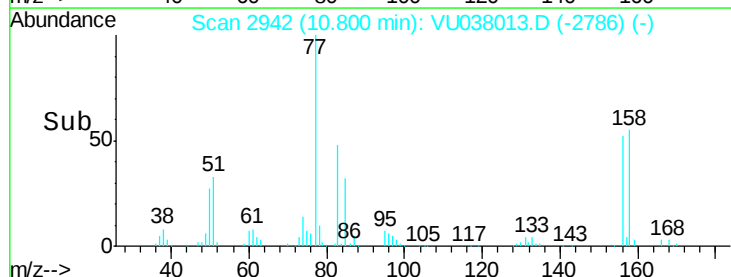
20000

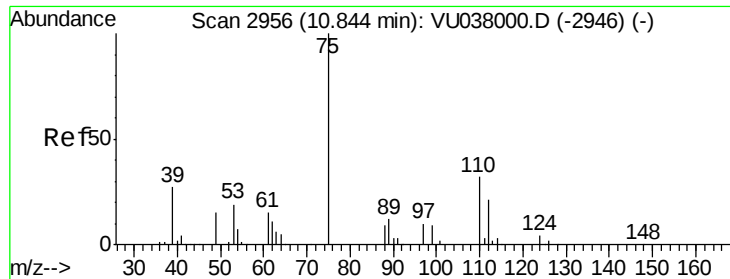
10000

0

10.70 10.80 10.90

Time-->





#71
1,2,3-Trichloropropane
Concen: 1.808 ug/l m
RT: 10.84 min Scan# 2956
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

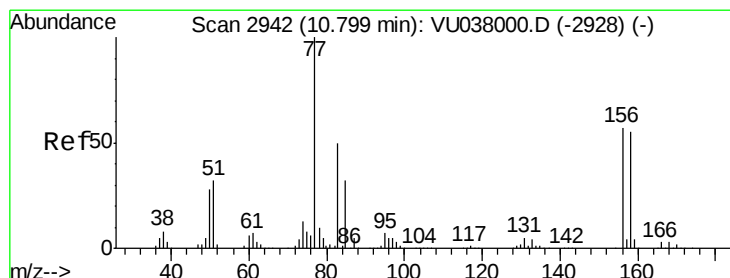
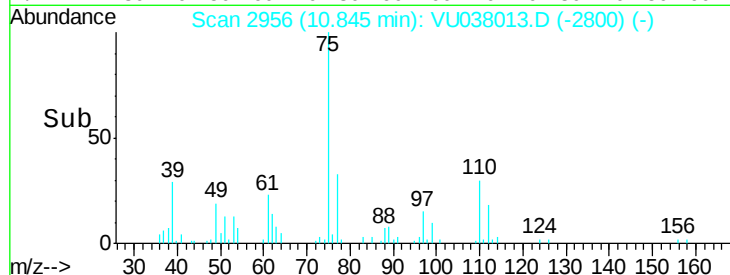
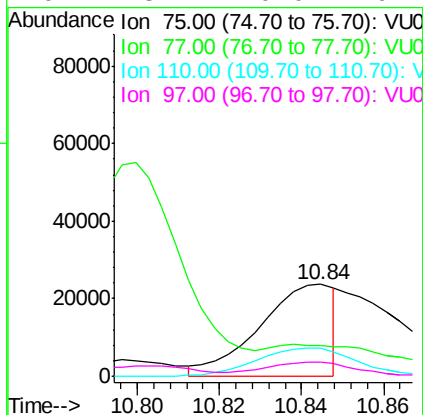
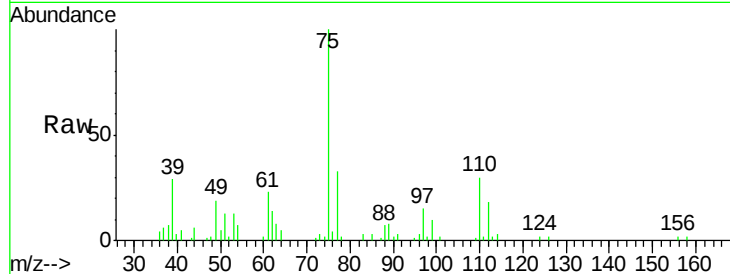
Instrument :
MSVOA_U
ClientSampled :
VU0505WBS01

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	0.0	0.0	108.6
110	110	40.6	0.0	79.4
97	97	18.7	0.0	40.4

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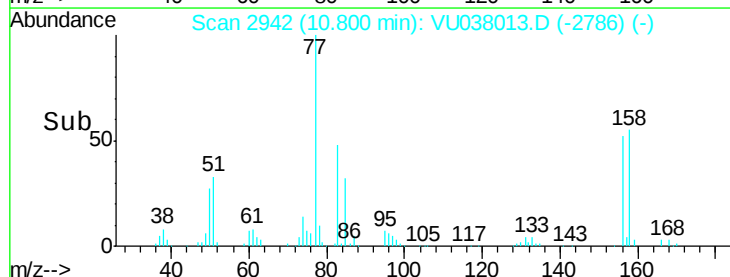
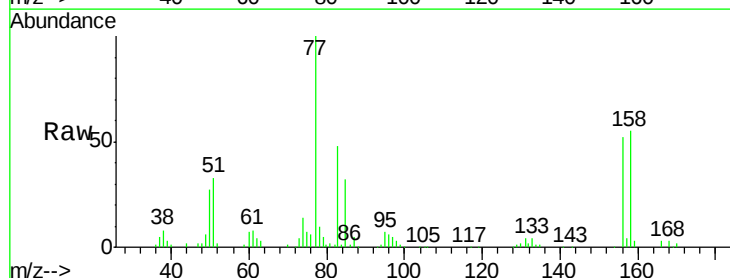
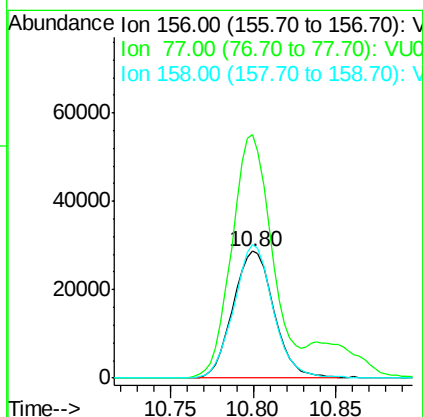
apatel

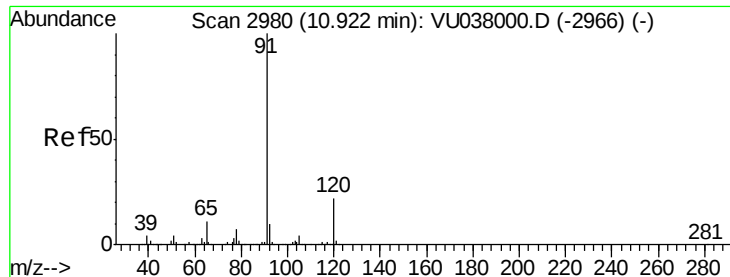
5/6/2020 10:39:30 AM



#72
Bromobenzene
Concen: 1.903 ug/l
RT: 10.80 min Scan# 2942
Delta R.T. 0.00 min
Lab File: VU038013.D
Acq: 05 May 2020 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	188.2	0.0	355.6
158	158	100.8	0.0	194.0





#73

n-propylbenzene

Concen: 1.980 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

VU0505WBS01

Tot Ion:120 Resp: 63107

Ion Ratio Lower Upper

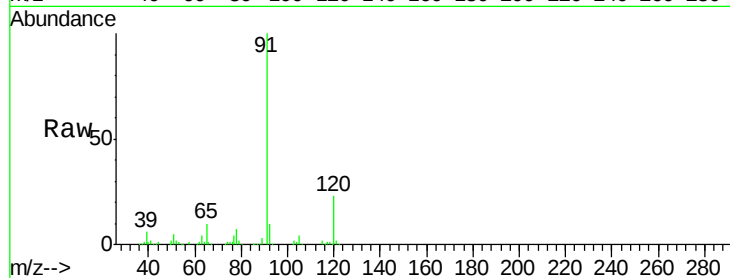
120 100

91 448.8 355.4 533.0

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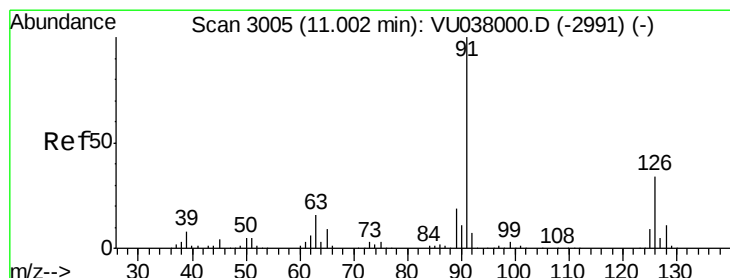
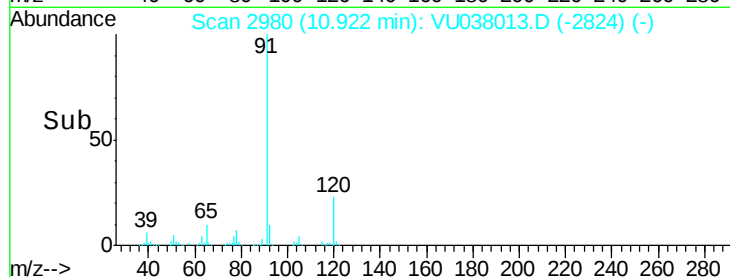
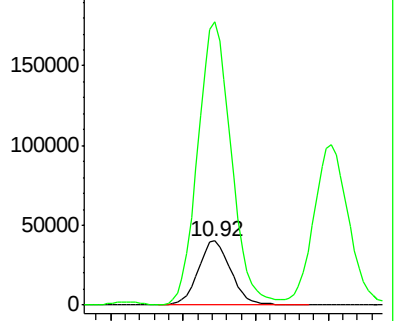
apatel

5/6/2020 10:39:30 AM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.983 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU038013.D

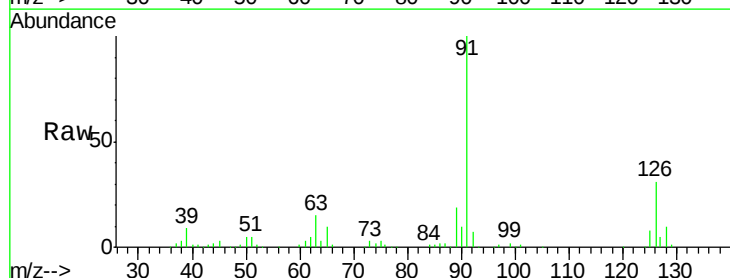
Acq: 05 May 2020 13:14

Tgt Ion:126 Resp: 53045

Ion Ratio Lower Upper

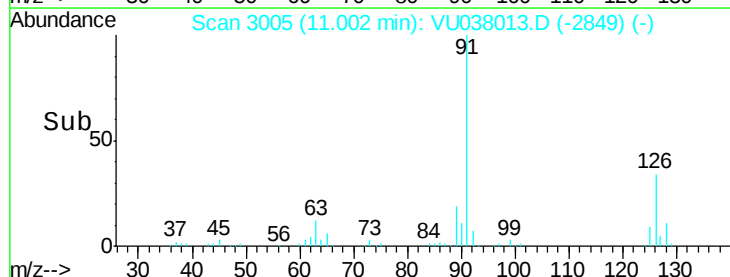
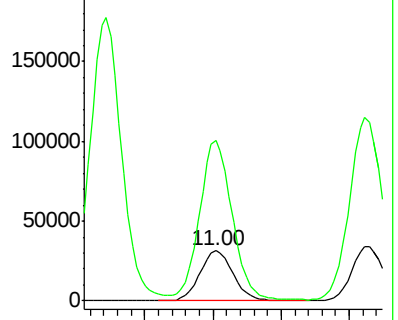
126 100

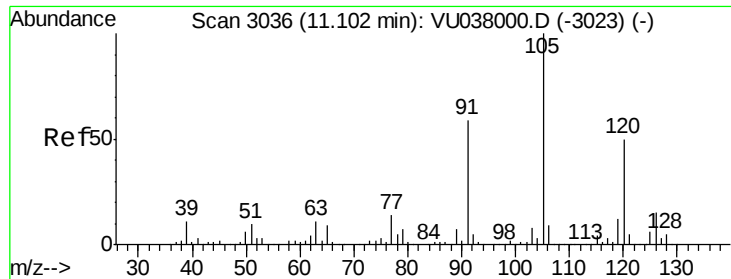
91 317.6 0.0 625.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.978 ug/l

RT: 11.10 min Scan# 3036

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

VU0505WBS01

Tot Ion:105 Resp: 190193

Ion Ratio Lower Upper

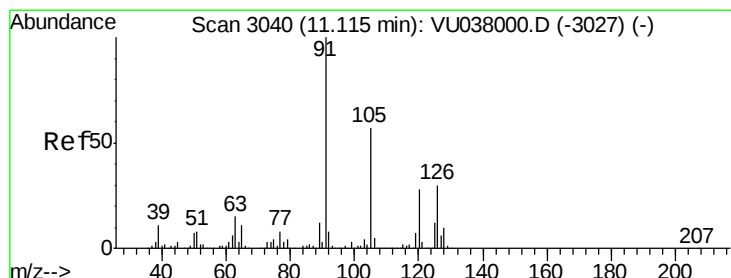
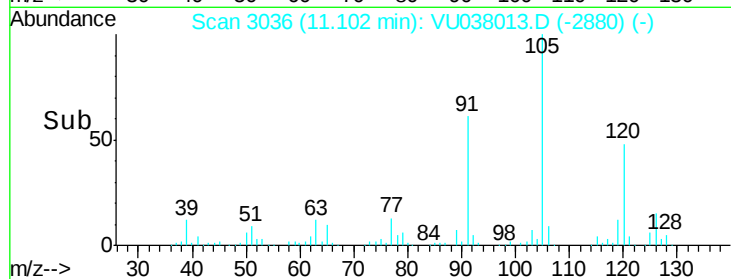
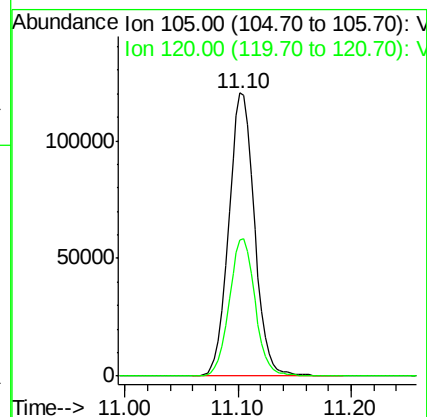
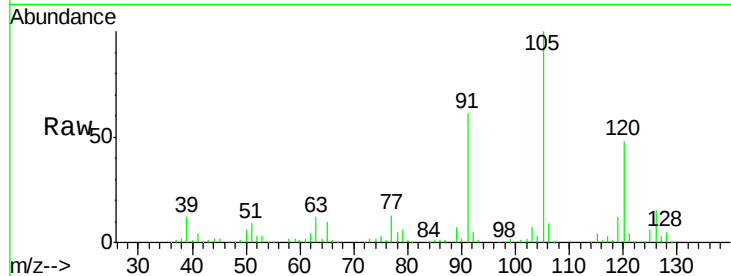
105 100

120 48.9 39.8 59.6

Manual Integrations
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#76

4-Chlorotoluene

Concen: 1.999 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU038013.D

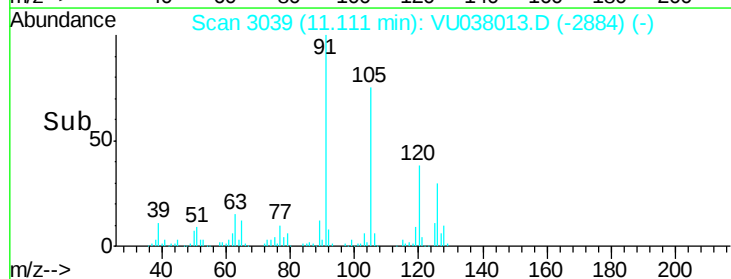
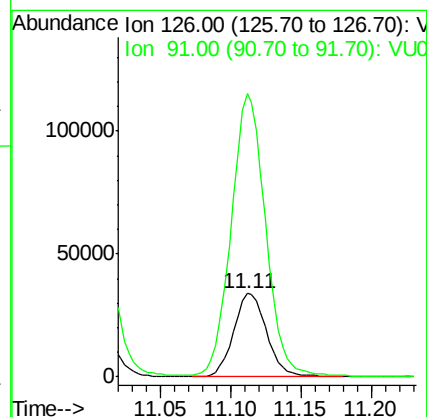
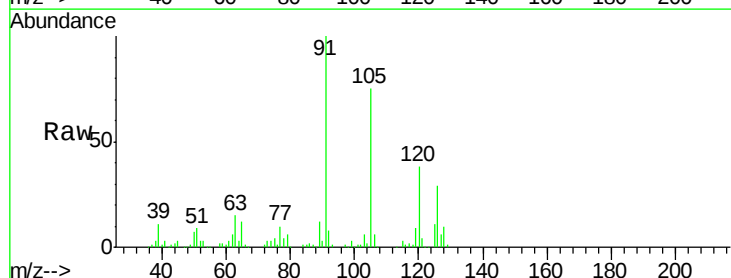
Acq: 05 May 2020 13:14

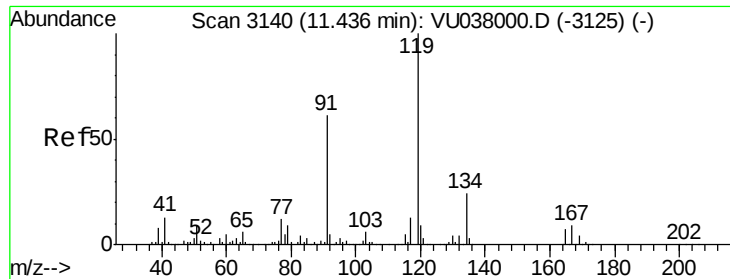
Tgt Ion:126 Resp: 55545

Ion Ratio Lower Upper

126 100

91 355.3 0.0 698.6





#77
 tert-Butylbenzene
 Concen: 1.961 ug/l
 RT: 11.44 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

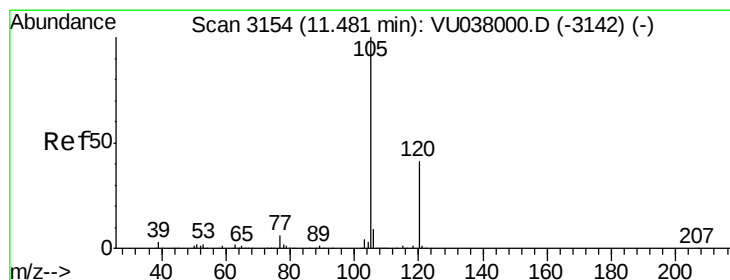
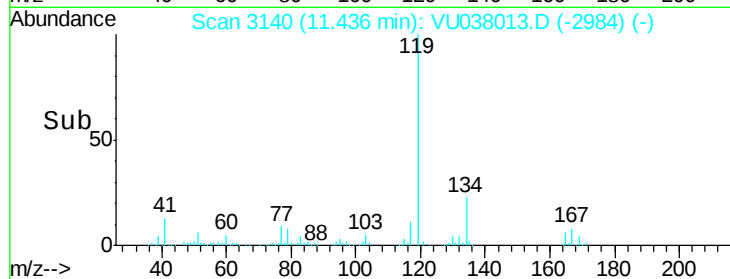
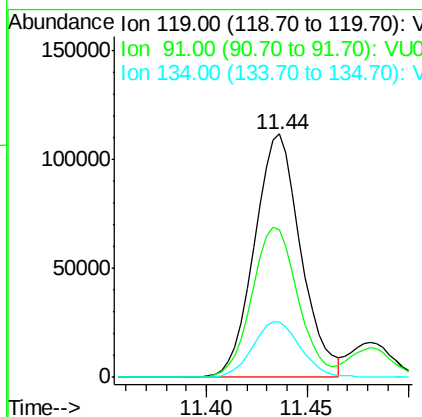
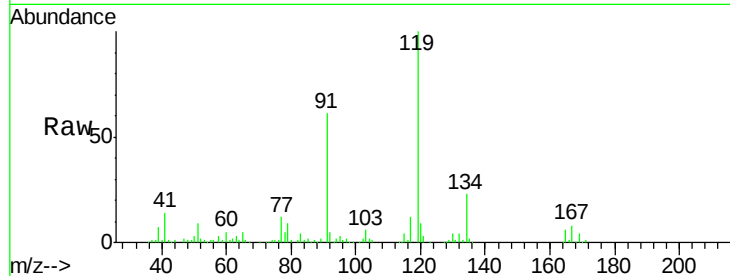
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0505WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	179400		
91	61.1	30.1	90.5	
134	23.7	19.0	28.6	

Manual Integrations
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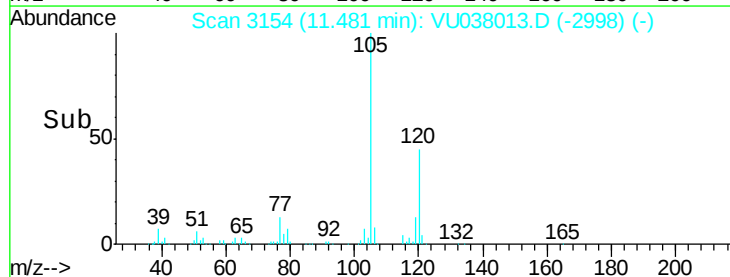
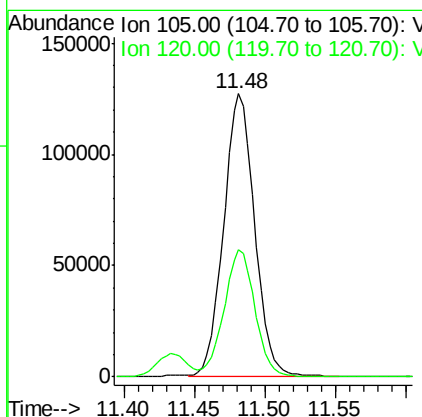
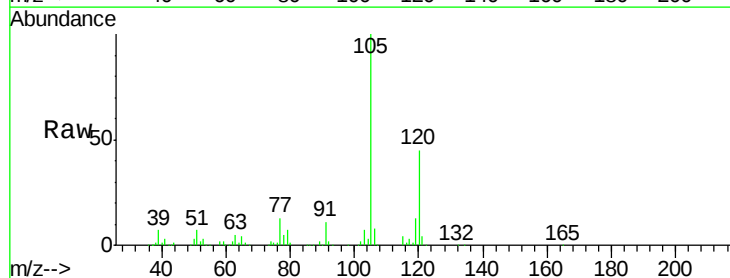
apatel

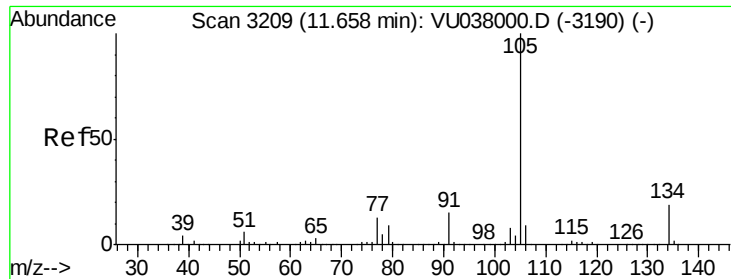
5/6/2020 10:39:30 AM



#78
 1,2,4-Trimethylbenzene
 Concen: 1.973 ug/l
 RT: 11.48 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	195277		
120	45.0	23.4	70.0	





#79

sec-Butylbenzene

Concen: 1.973 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

VU0505WBS01

Tot Ion: 105 Resp: 258604

Ion Ratio Lower Upper

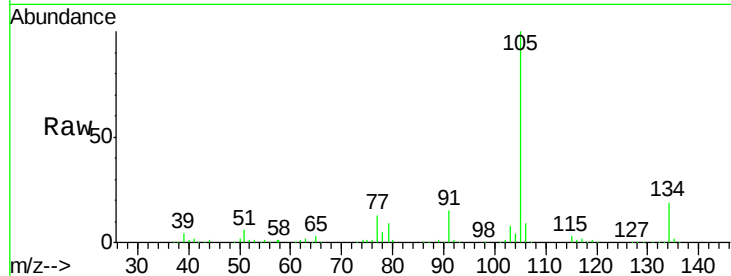
105 100

134 18.9 15.4 23.0

Manual Integrations
APPROVED

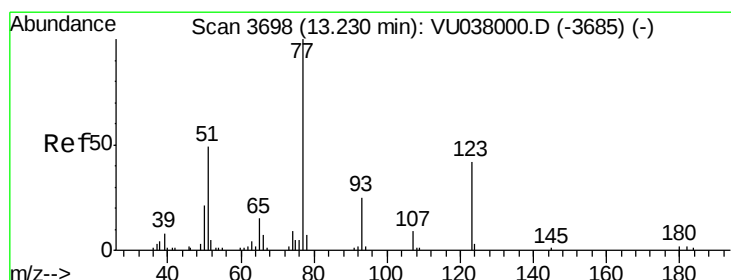
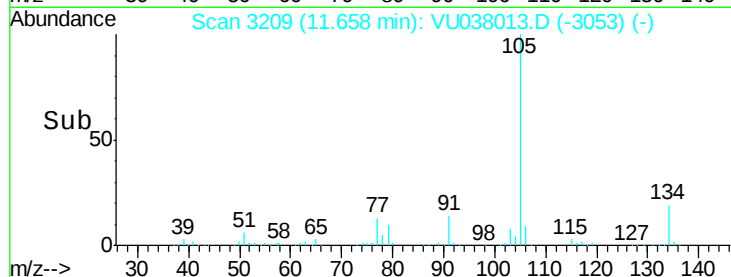
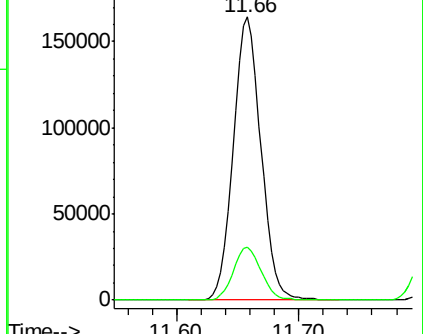
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 7.521 ug/l

RT: 13.23 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

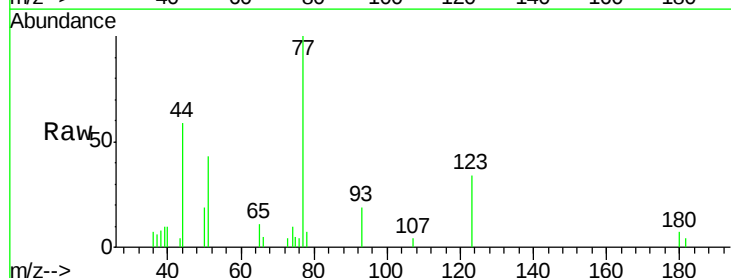
Tgt Ion: 77 Resp: 5035

Ion Ratio Lower Upper

77 100

123 33.5 17.6 62.6

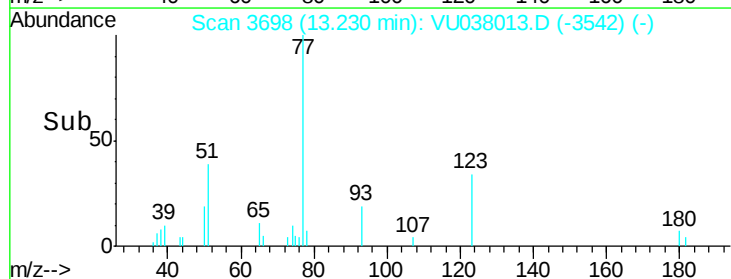
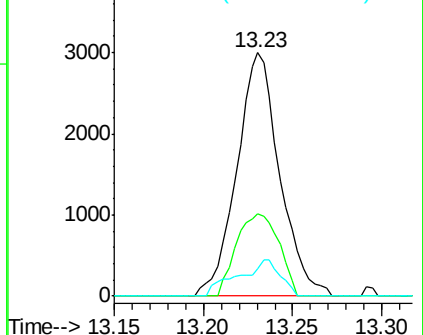
65 14.8 13.2 16.8

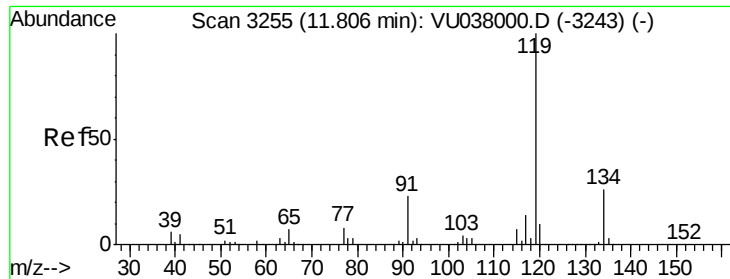


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81
 p-Isopropyltoluene
 Concen: 1.961 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

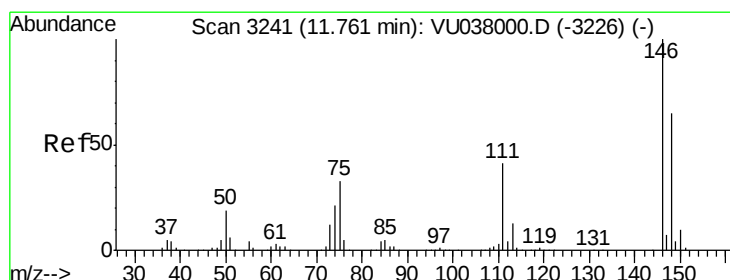
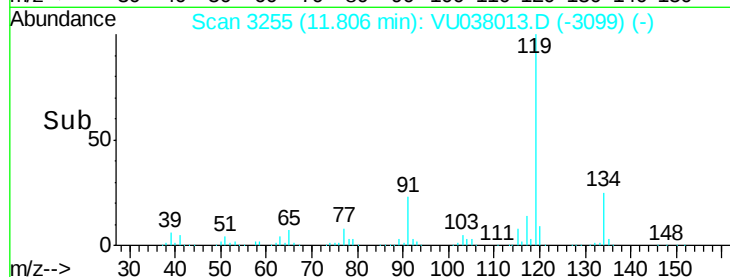
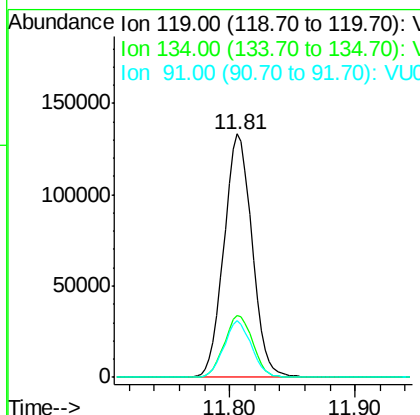
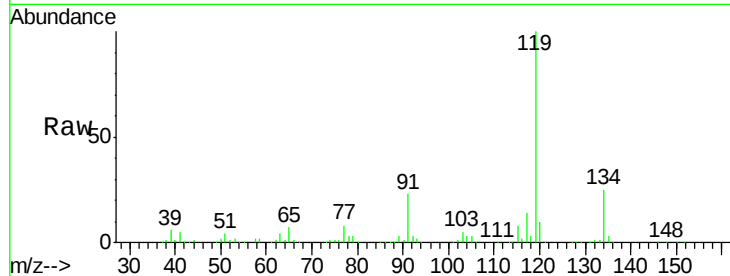
Instrument :
 MSVOA_U
 ClientSampled :
 VU0505WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207438		
134	25.7		20.6	31.0
91	22.8		18.6	28.0

Manual Integrations
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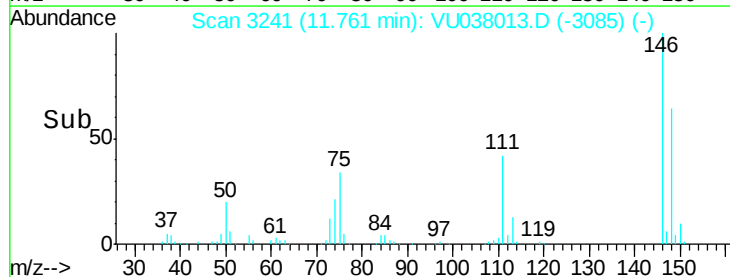
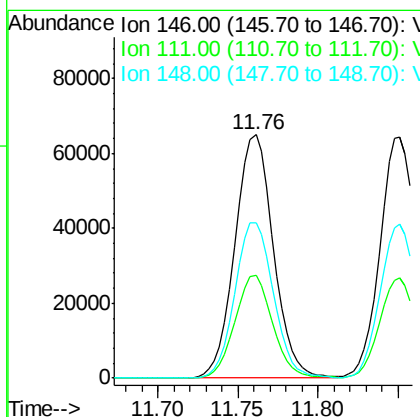
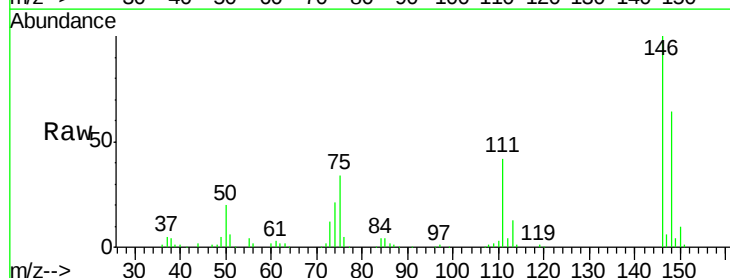
apatel

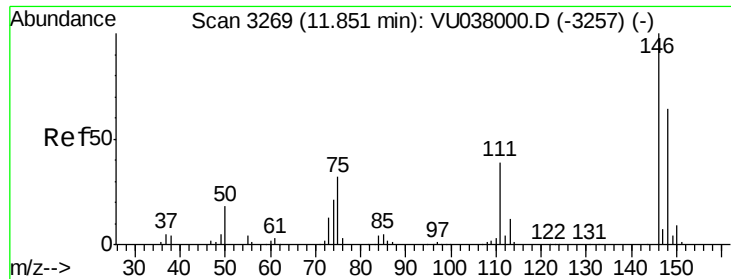
5/6/2020 10:39:30 AM



#82
 1,3-Dichlorobenzene
 Concen: 1.984 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106579		
111	41.5		33.0	49.4
148	63.9		51.4	77.2





#83

1,4-Dichlorobenzene

Concen: 1.949 ug/l

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

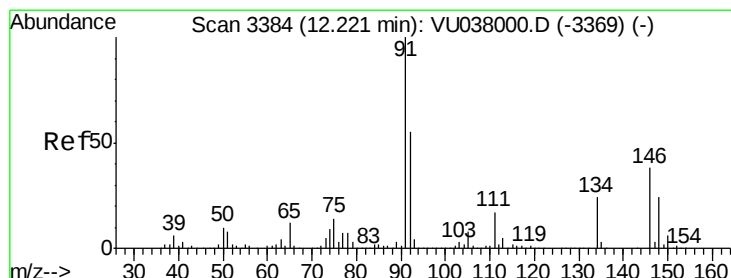
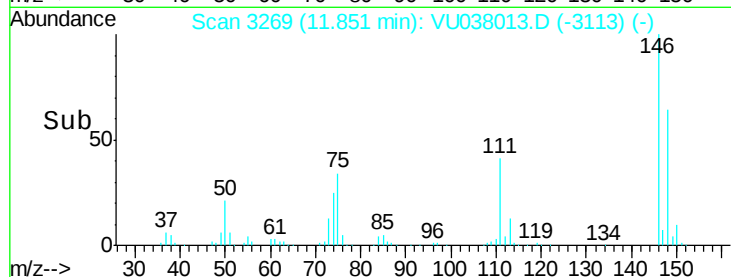
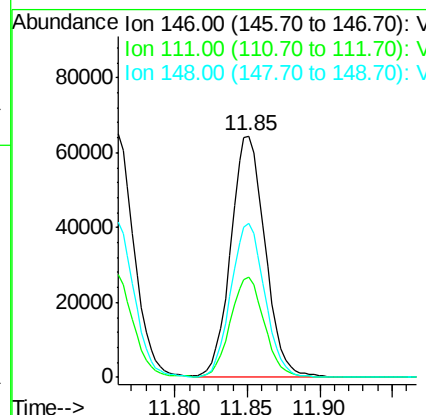
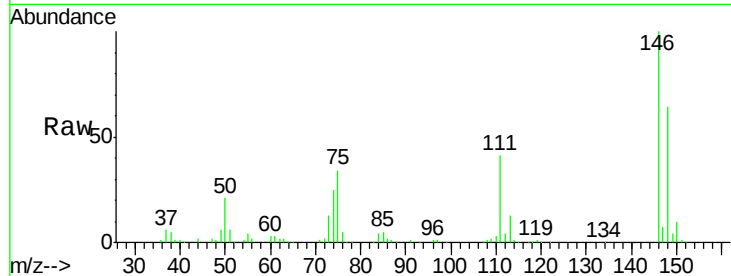
VU0505WBS01

Tot Ion:	146	Resp:	105962
Ion Ratio	Lower	Upper	
146	100		
111	40.9	31.8	47.6
148	62.8	51.2	76.8

Manual Integrations
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#84

n-Butylbenzene

Concen: 1.961 ug/l

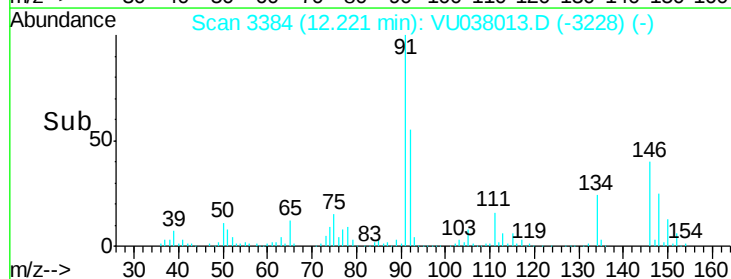
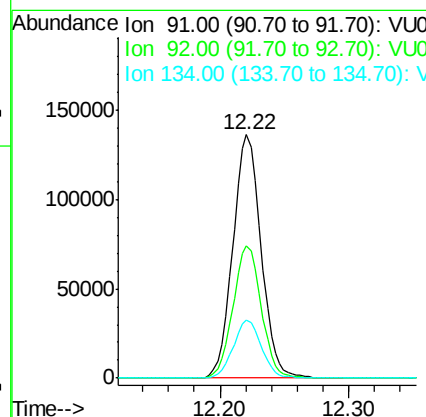
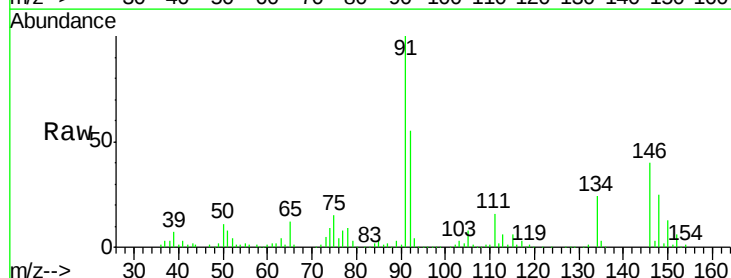
RT: 12.22 min Scan# 3384

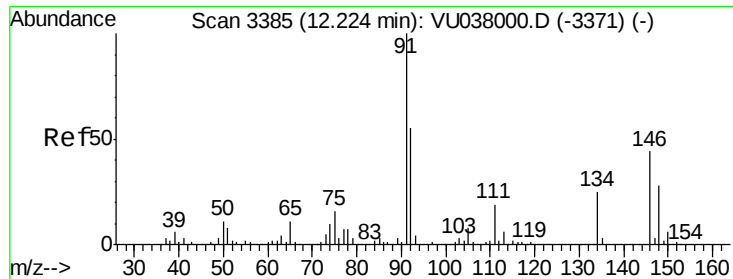
Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Tgt Ion:	91	Resp:	207152
Ion Ratio	Lower	Upper	
91	100		
92	54.4	43.8	65.6
134	23.9	19.4	29.2





#85
 1,2-Dichlorobenzene
 Concen: 2.019 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

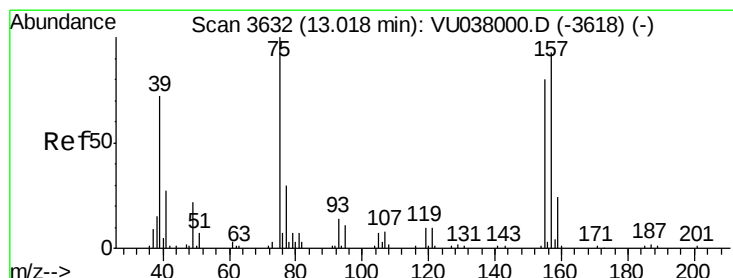
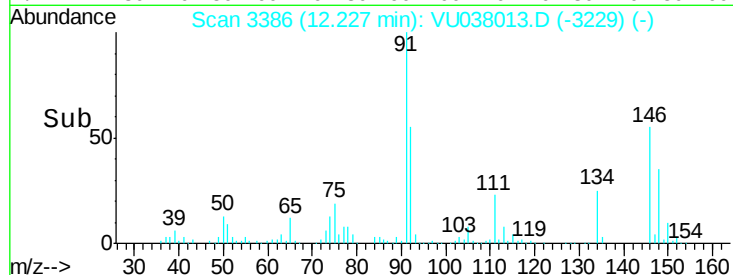
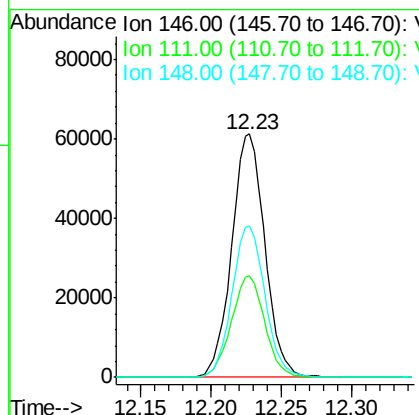
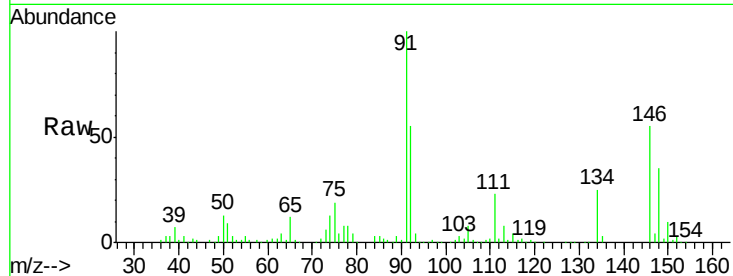
Instrument :
 MSVOA_U
 ClientSampled :
 VU0505WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100				
111	42.0	21.9	65.8		
148	61.8	31.8	95.4		

Manual Integrations
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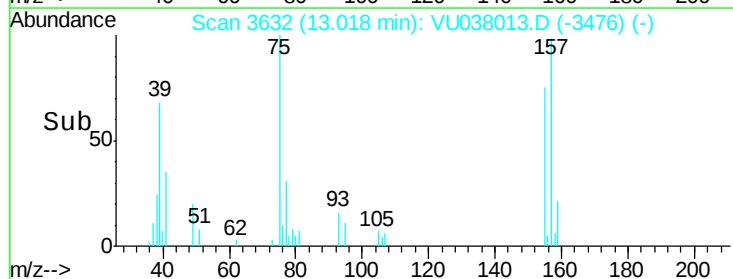
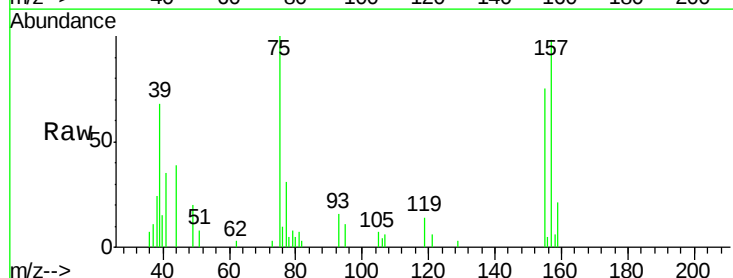
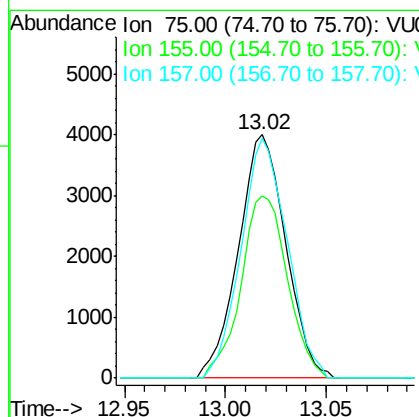
apatel

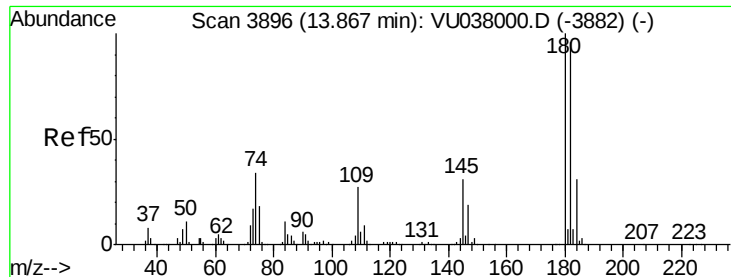
5/6/2020 10:39:30 AM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.850 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100				
155	73.2	60.9	91.3		
157	95.9	78.1	117.1		





#87
 1,2,4-Trichlorobenzene
 Concen: 1.820 ug/l
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

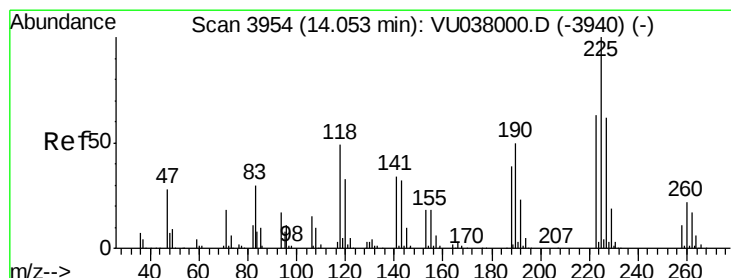
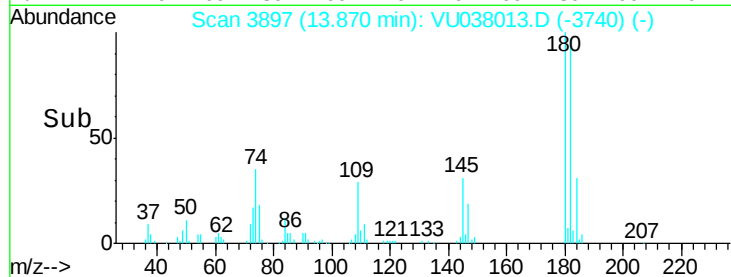
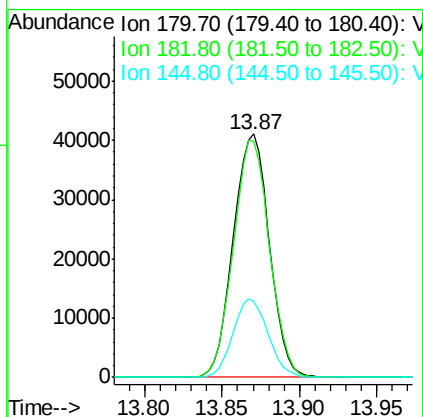
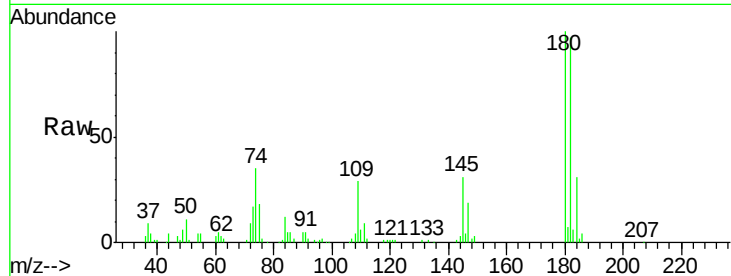
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0505WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.9	115.3
145	31.1	24.7	37.1

Manual Integrations
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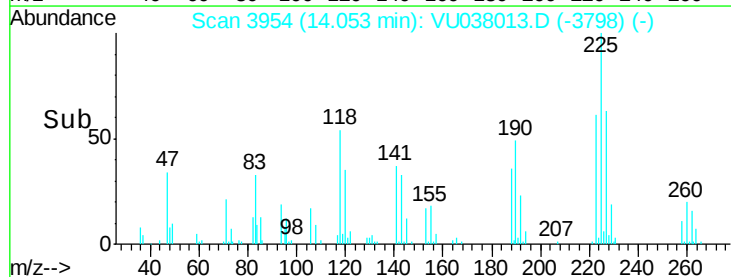
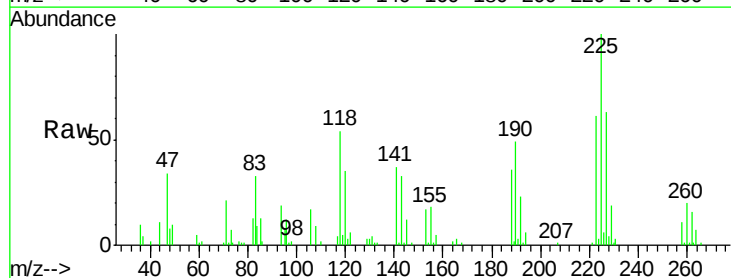
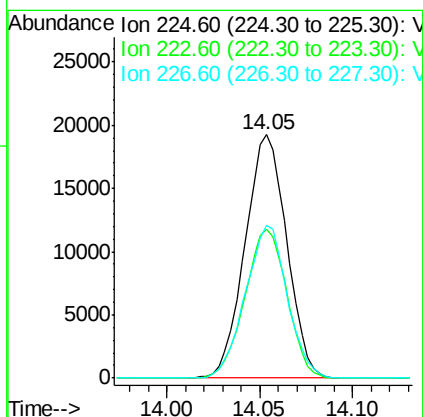
apatel

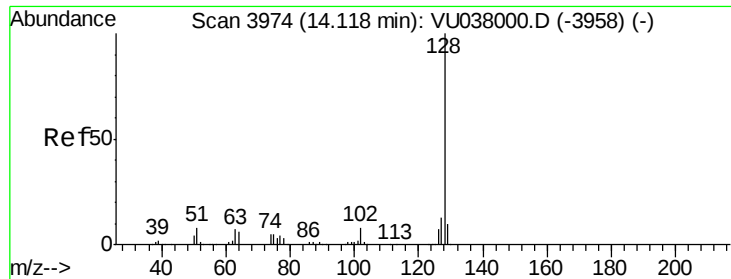
5/6/2020 10:39:30 AM



#88
 Hexachlorobutadiene
 Concen: 1.846 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. 0.00 min
 Lab File: VU038013.D
 Acq: 05 May 2020 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	51.3	76.9
227	63.0	49.2	73.8





#89

Naphthalene

Concen: 1.781 ug/l

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Instrument :

MSVOA_U

ClientSampled :

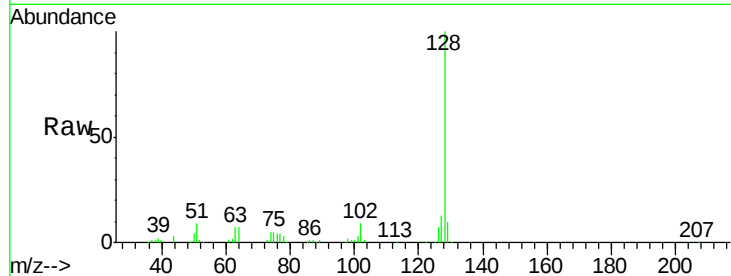
VU0505WBS01

Tot Ion:	128	Resp:	125166
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.5	8.6	12.8

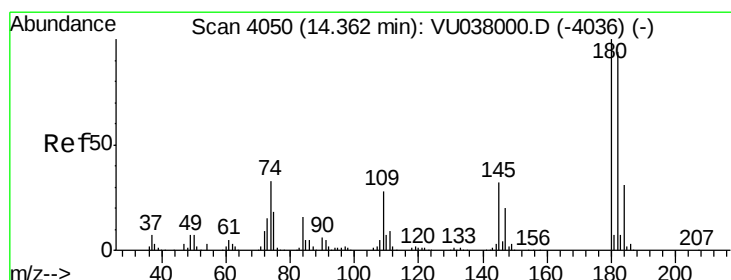
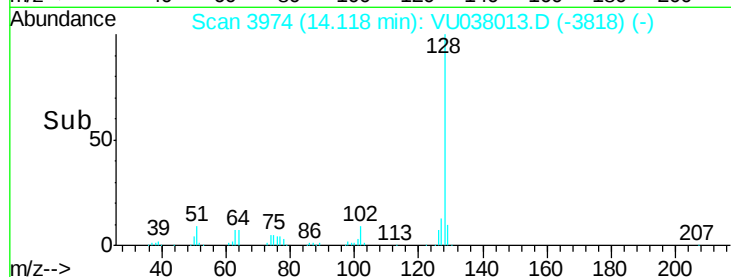
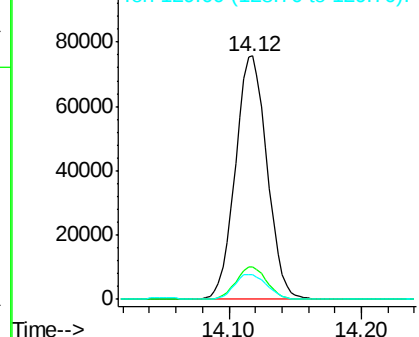
Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 1.852 ug/l

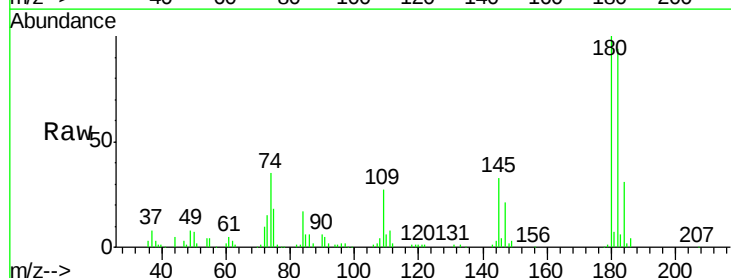
RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU038013.D

Acq: 05 May 2020 13:14

Tgt Ion:	180	Resp:	60329
Ion Ratio	Lower	Upper	
180	100		
182	94.1	75.9	113.9
145	33.0	26.0	39.0



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

