

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072920\
 Data File : VU039699.D
 Acq On : 29 Jul 2020 12:38
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 3:43:01 PM

Quant Time: Jul 30 01:35:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	21160	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	8595	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	8321	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	73565	10.179	ug/l	100
3) Chloromethane	1.53	50	86433	10.046	ug/l	100
4) Vinyl Chloride	1.61	62	80706	9.574	ug/l	100
5) Bromomethane	1.86	94	50105	9.584	ug/l	100
6) Chloroethane	1.94	64	54456	10.596	ug/l	100
7) Trichlorofluoromethane	2.15	101	108134	11.775	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	61580	10.931	ug/l	100
9) 1,1-Dichloroethene	2.59	96	57031	10.194	ug/l	100
10) Iodomethane	2.74	142	68946	18.523	ug/l	100
11) Allyl Chloride	2.93	41	121067	11.426	ug/l	100
12) Acrylonitrile	3.33	53	38766m	24.385	ug/l	
13) Acetone	2.64	43	90985	69.136	ug/l	100
14) Carbon Disulfide	2.81	76	208806	10.223	ug/l	100
15) Methylene Chloride	3.06	84	69859	8.999	ug/l	100
16) trans-1,2-Dichloroethene	3.37	96	64105	10.443	ug/l	100
17) 1,1-Dichloroethane	3.89	63	141414	11.802	ug/l	100
18) 2-Butanone	4.74	43	152612	75.163	ug/l	100
19) Cyclohexane	5.40	56	133753m	11.599	ug/l	
20) Methylcyclohexane	6.77	83	109816	10.065	ug/l	100
21) 2,2-Dichloropropane	4.68	77	112357	11.345	ug/l	100
22) cis-1,2-Dichloroethene	4.68	96	69254	10.646	ug/l	100
23) Diethyl Ether	2.39	59	57239	11.412	ug/l	100
24) tert-Butyl Alcohol	3.20	59	68821	120.356	ug/l	100
25) Methyl tert-Butyl Ether	3.39	73	187412	11.840	ug/l	100
26) Bromochloromethane	4.99	128	27979	10.662	ug/l	100
27) Chloroform	5.11	83	129770	11.587	ug/l	100
28) 1,1,1-Trichloroethane	5.33	97	106469	11.590	ug/l	100
29) 1,1-Dichloropropene	5.54	75	101681	11.099	ug/l	100
30) Carbon Tetrachloride	5.54	117	87896	11.479	ug/l	100
31) Isopropyl Ether	4.02	45	257268	12.816	ug/l	100
32) Ethyl-t-butyl ether	4.53	59	219612	12.269	ug/l	100
33) Tert-Amyl methyl ether	5.97	73	161945	10.807	ug/l	100
34) Propionitrile	4.80	54	38433	68.133	ug/l	100
35) Benzene	5.79	78	252240	10.034	ug/l	100
36) 1,2-Dichloroethane	5.81	62	94665	12.172	ug/l	100
37) Trichloroethene	6.55	130	59305	9.111	ug/l	100
38) 1,2-Dichloropropane	6.81	63	73303	10.681	ug/l	100
39) Methacrylonitrile	5.00	41	36553	13.725	ug/l	100
40) Methyl acrylate	4.87	55	51843	13.402	ug/l	100
41) Tetrahydrofuran	5.08	42	37189	27.780	ug/l	100
42) 1-Chlorobutane	5.47	56	160613	11.955	ug/l	100

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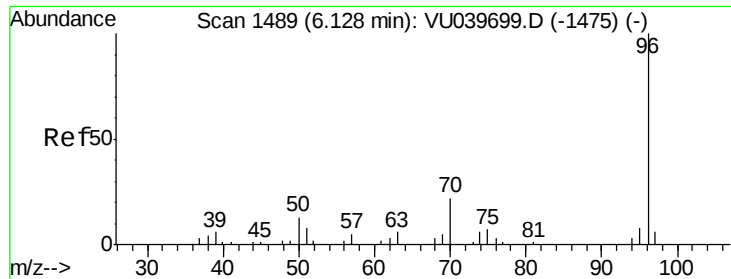
Manual Integrations
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Quant Time: Jul 30 01:35:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:17:29 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	37404	11.483	ug/l	100
44) Bromodichloromethane	7.12	83	91243	11.271	ug/l	100
45) 4-Methyl-2-Pentanone	7.81	43	303991	66.299	ug/l	100
46) t-1,4-Dichloro-2-butene	10.84	75	32117m	22.923	ug/l	100
47) Methyl methacrylate	6.98	69	77001	23.333	ug/l	100
48) Ethyl methacrylate	8.35	69	70797	11.654	ug/l	100
49) Toluene	7.98	92	161003	10.139	ug/l	100
50) t-1,3-Dichloropropene	8.22	75	87903	10.778	ug/l	100
51) cis-1,3-Dichloropropene	7.62	75	99438	10.255	ug/l	100
52) 1,1,2-Trichloroethane	8.41	97	49821	10.943	ug/l	100
53) 1,3-Dichloropropane	8.58	76	95948	11.199	ug/l	100
54) 2-Hexanone	8.70	43	218665	67.252	ug/l	100
55) Dibromochloromethane	8.82	129	56631	11.237	ug/l	100
56) 1,2-Dibromoethane	8.93	107	49411	11.415	ug/l	100
58) Tetrachloroethene	8.56	164	51336	8.602	ug/l	100
59) Chlorobenzene	9.45	112	166401	9.908	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.54	131	55678	10.770	ug/l	100
61) Pentachloroethane	11.43	117	50060	12.510	ug/l	100
62) Hexachloroethane	12.47	117	47316	11.543	ug/l	100
63) Ethyl Benzene	9.57	91	313466	10.422	ug/l	100
64) m/p-Xylenes	9.70	106	247331	21.295	ug/l	100
65) o-Xylene	10.10	106	115109	10.226	ug/l	100
66) Styrene	10.11	104	203476	10.882	ug/l	100
67) Bromoform	10.29	173	30125	11.377	ug/l	100
69) Isopropylbenzene	10.48	105	308857	10.483	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	74055	12.372	ug/l	100
71) 1,2,3-Trichloropropane	10.83	75	62049m	13.734	ug/l	100
72) Bromobenzene	10.78	156	66560	10.164	ug/l	100
73) n-propylbenzene	10.91	120	87081	10.748	ug/l	100
74) 2-Chlorotoluene	10.99	126	70977	10.432	ug/l	100
75) 1,3,5-Trimethylbenzene	11.09	105	276020	11.172	ug/l	100
76) 4-Chlorotoluene	11.10	126	75685	10.682	ug/l	100
77) tert-Butylbenzene	11.42	119	257977	10.995	ug/l	100
78) 1,2,4-Trimethylbenzene	11.47	105	284226	11.170	ug/l	100
79) sec-Butylbenzene	11.64	105	366590	10.930	ug/l	100
80) Nitrobenzene	13.20	77	6279	38.621	ug/l	100
81) p-Isopropyltoluene	11.79	119	301142	11.114	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	142854	10.439	ug/l	100
83) 1,4-Dichlorobenzene	11.83	146	142483	10.292	ug/l	100
84) n-Butylbenzene	12.20	91	313469	11.517	ug/l	100
85) 1,2-Dichlorobenzene	12.21	146	138145	10.761	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.99	75	13240	13.594	ug/l	100
87) 1,2,4-Trichlorobenzene	13.83	180	89255	9.708	ug/l	100
88) Hexachlorobutadiene	14.01	225	38670	9.499	ug/l	100
89) Naphthalene	14.08	128	200614	11.091	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	83388	10.126	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 96 Resp: 21160

Ion Ratio Lower Upper

96 100

70 20.4 16.3 24.5

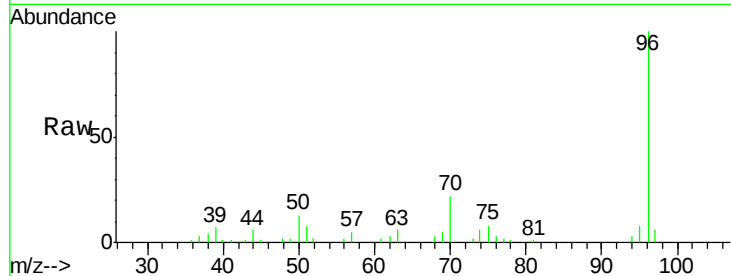
95 8.5 6.8 10.2

97 0.0 0.0 0.0

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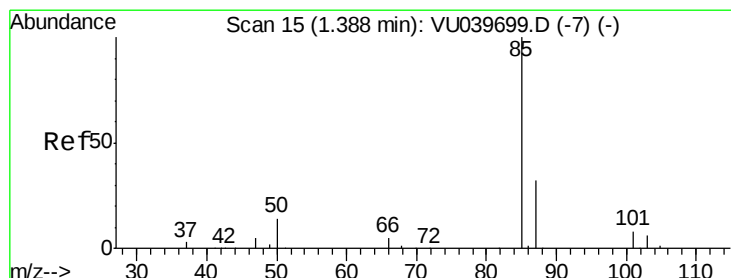
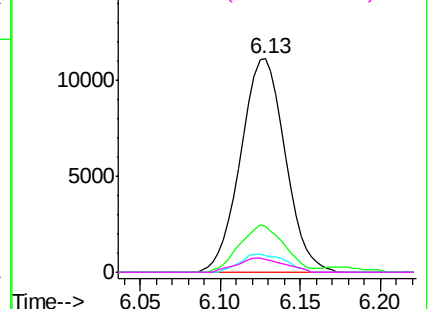
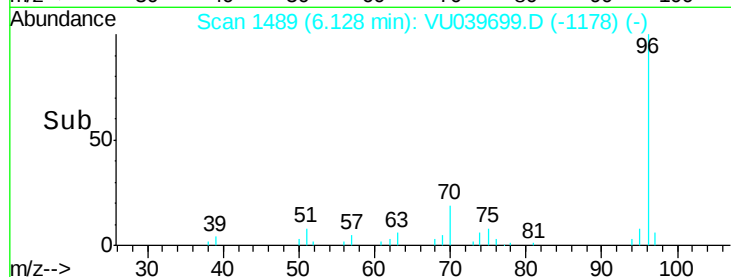


Abundance Ion 96.00 (95.70 to 96.70): VU039699.D (-1475) (-)

Ion 70.00 (69.70 to 70.70): VU039699.D (-1475) (-)

Ion 95.00 (94.70 to 95.70): VU039699.D (-1475) (-)

Ion 97.00 (96.70 to 97.70): VU039699.D (-1475) (-)



#2

Dichlorodifluoromethane

Concen: 10.179 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039699.D

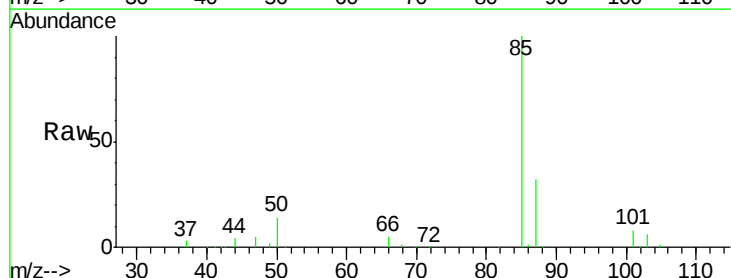
Acq: 29 Jul 2020 12:38

Tgt Ion: 85 Resp: 73565

Ion Ratio Lower Upper

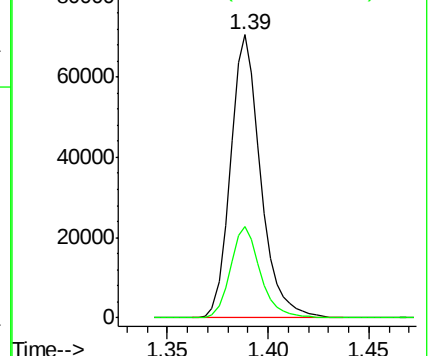
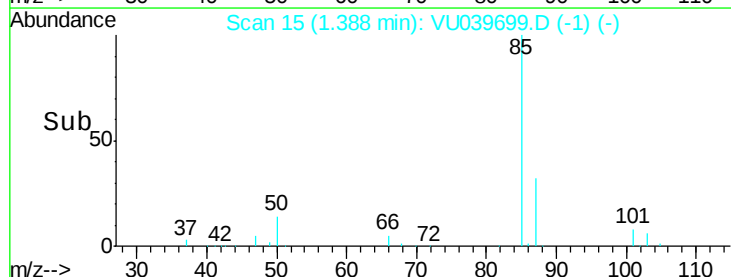
85 100

87 32.4 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU039699.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039699.D (-7) (-)





#3

Chloromethane

Concen: 10.046 ug/l

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 50 Resp: 86433

Ion Ratio Lower Upper

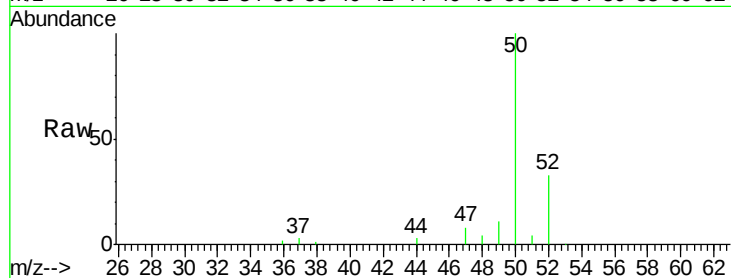
50 100

52 32.5 26.0 39.0

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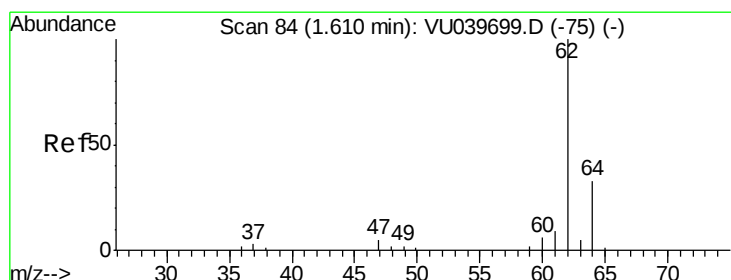
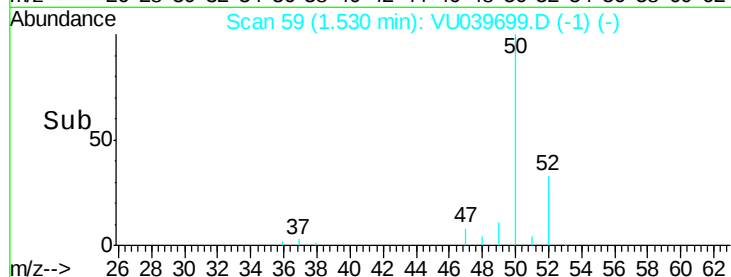
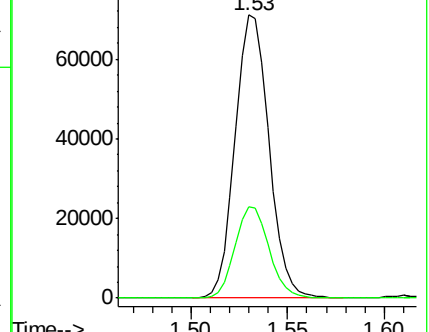
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Abundance Ion 50.00 (49.70 to 50.70): VU039699.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU039699.D (-50) (-)



#4

Vinyl Chloride

Concen: 9.574 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039699.D

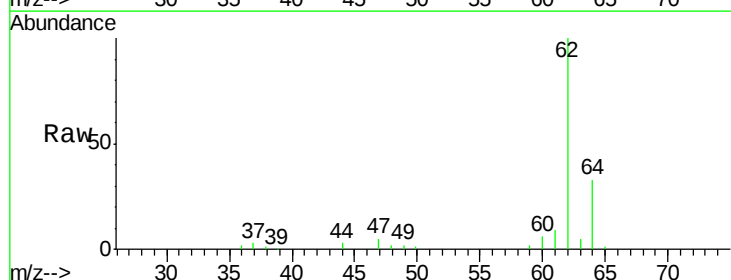
Acq: 29 Jul 2020 12:38

Tgt Ion: 62 Resp: 80706

Ion Ratio Lower Upper

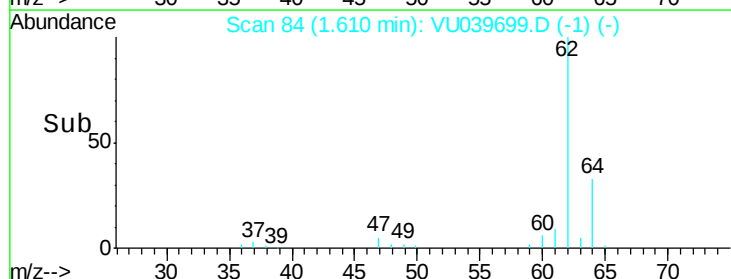
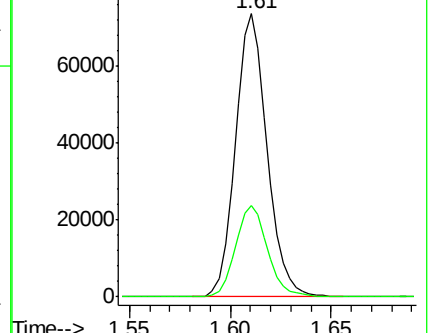
62 100

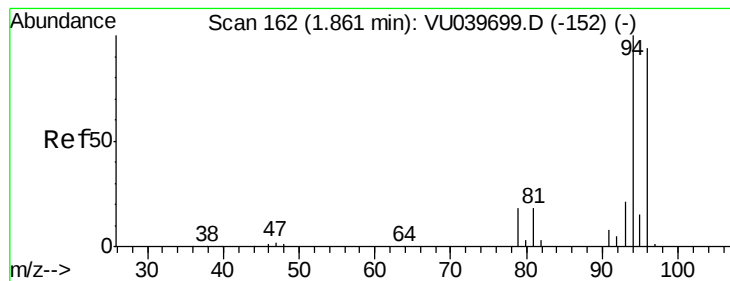
64 32.5 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU039699.D (-75) (-)

Ion 64.00 (63.70 to 64.70): VU039699.D (-75) (-)





#5

Bromomethane

Concen: 9.584 ug/l

RT: 1.86 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 94 Resp: 50105

Ion Ratio Lower Upper

94 100

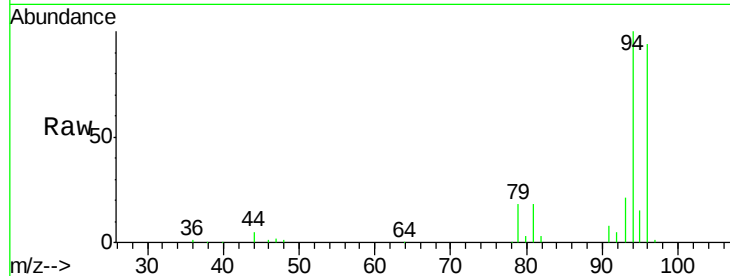
96 93.8 75.0 112.6

Manual Integrations

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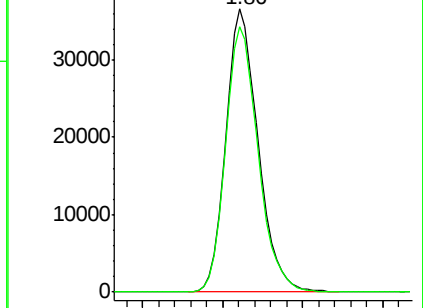
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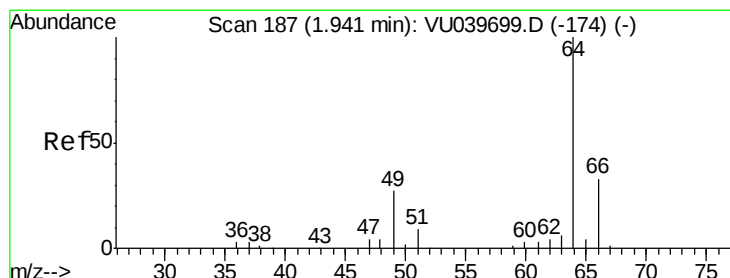
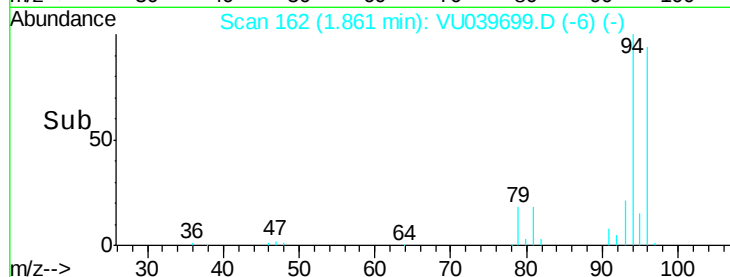


Abundance Ion 94.00 (93.70 to 94.70): VU039699.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU039699.D (-152) (-)



Time-->



#6

Chloroethane

Concen: 10.596 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU039699.D

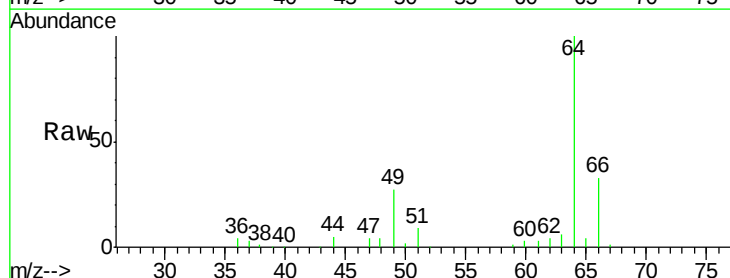
Acq: 29 Jul 2020 12:38

Tgt Ion: 64 Resp: 54456

Ion Ratio Lower Upper

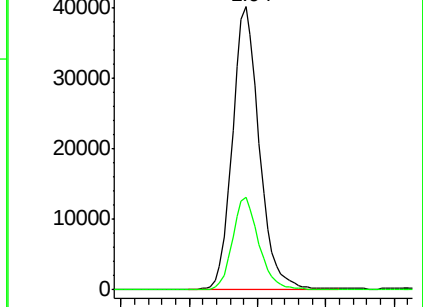
64 100

66 32.7 26.2 39.2

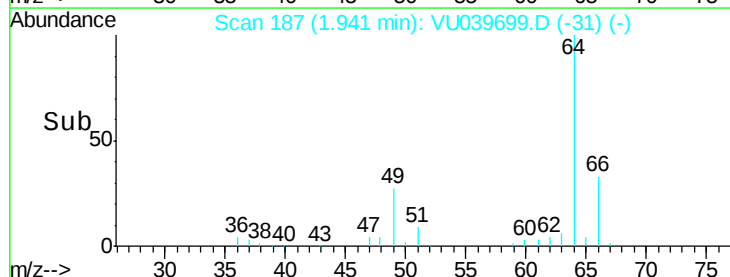


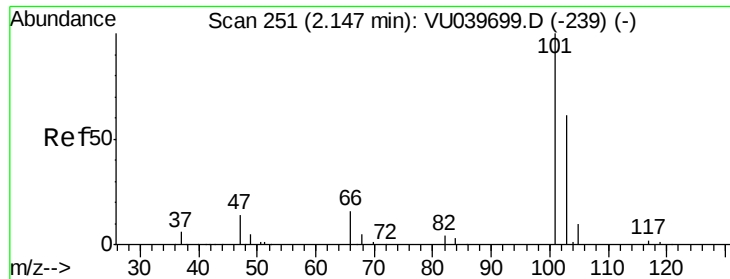
Abundance Ion 64.00 (63.70 to 64.70): VU039699.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU039699.D (-174) (-)



Time-->





#7

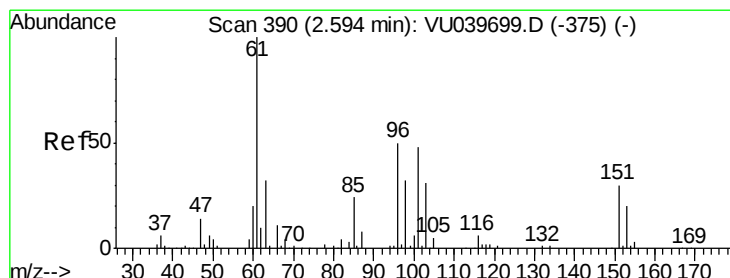
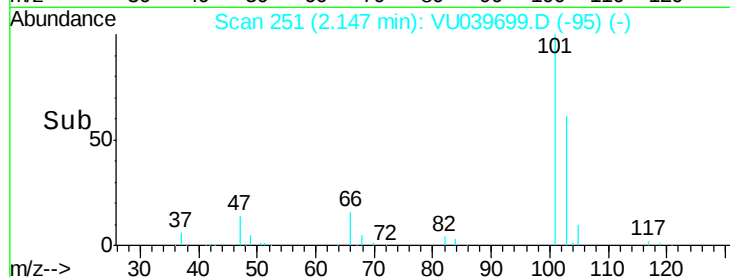
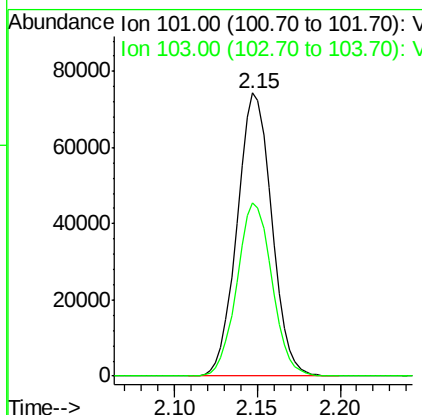
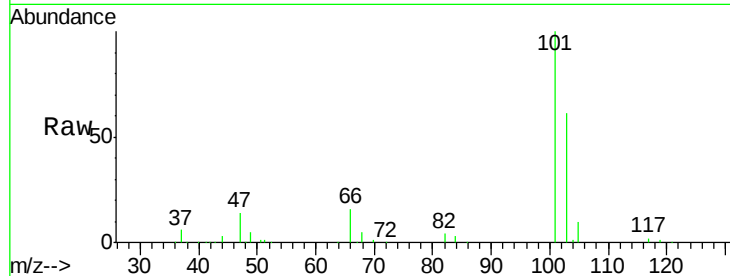
Trichlorofluoromethane
 Concen: 11.775 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		108134		
103	61.0	48.8	73.2		

Manual Integrations
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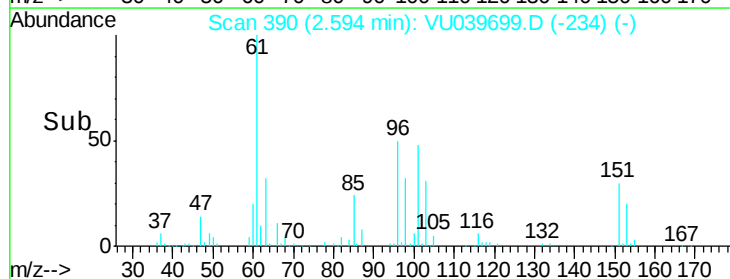
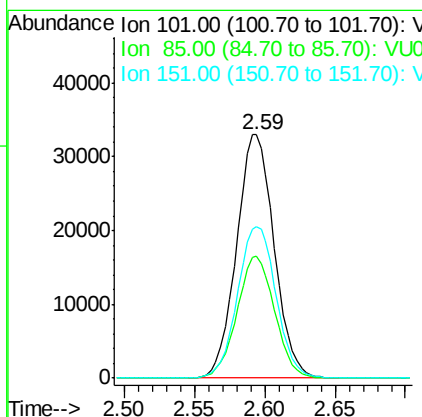
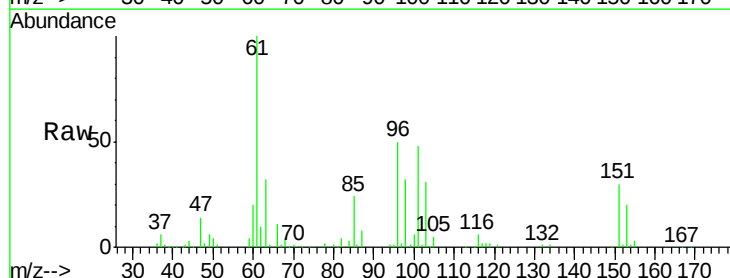
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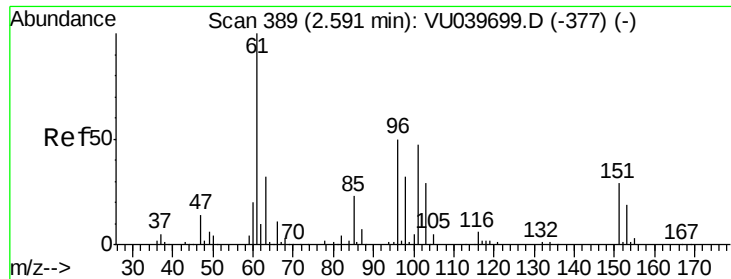


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.931 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		61580		
85	49.9	39.9	59.9		
151	63.7	51.0	76.4		





#9

1,1-Dichloroethene

Concen: 10.194 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

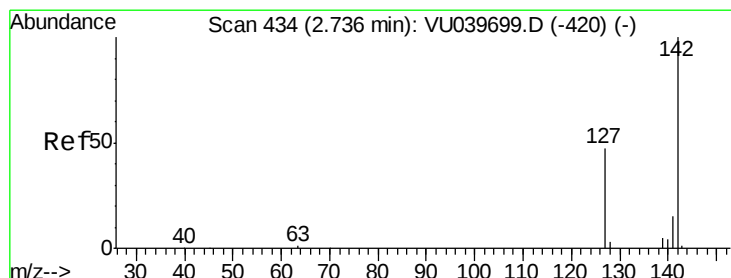
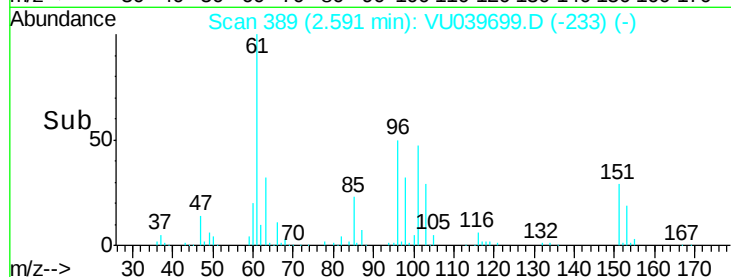
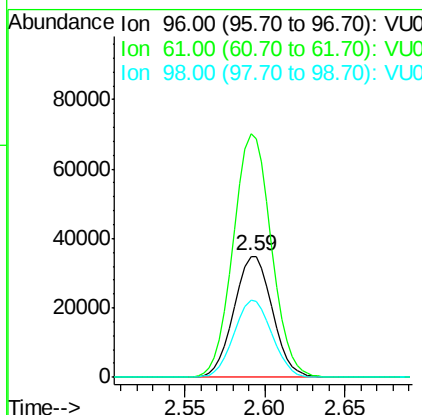
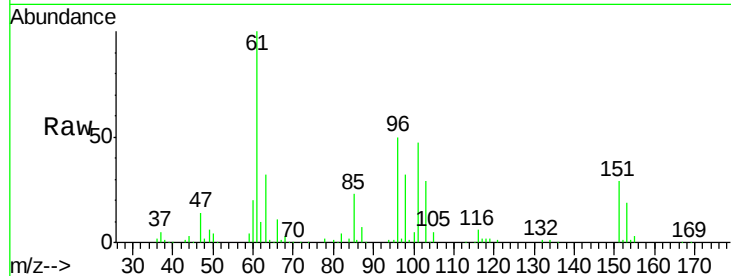
ClientSampleId :

VSTDICCC010

Tot Ion:	96	Resp:	57031
Ion Ratio	Lower	Upper	
96	100		
61	201.5	0.0	604.5
98	63.6	0.0	127.2

Manual Integrations
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7/31/2020 3:43:01 PM



#10

Iodomethane

Concen: 18.523 ug/l

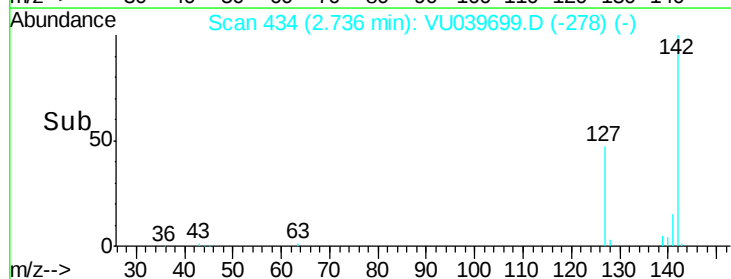
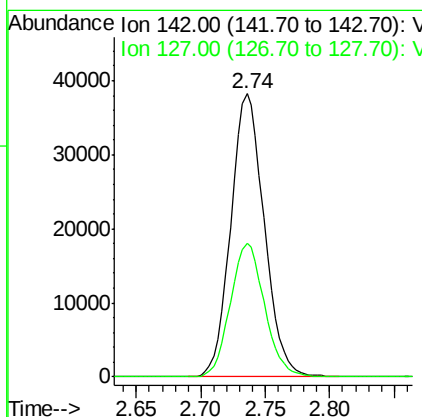
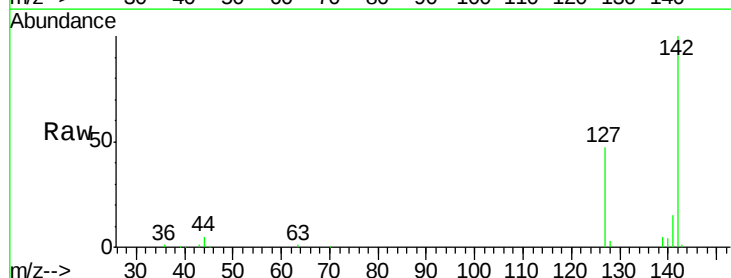
RT: 2.74 min Scan# 434

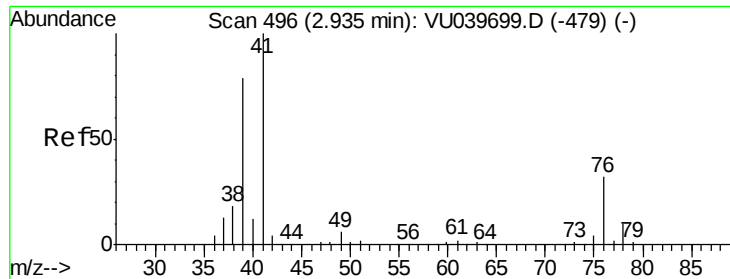
Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Tgt Ion:	142	Resp:	68946
Ion Ratio	Lower	Upper	
142	100		
127	48.0	38.4	57.6





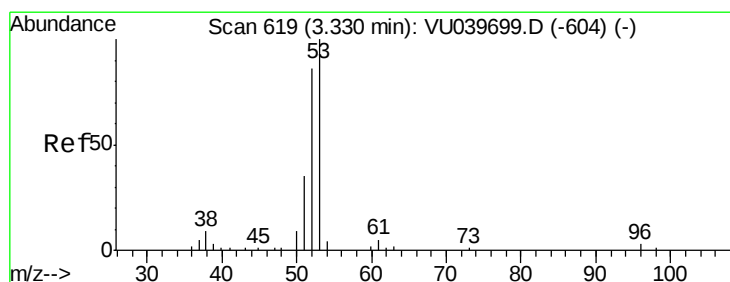
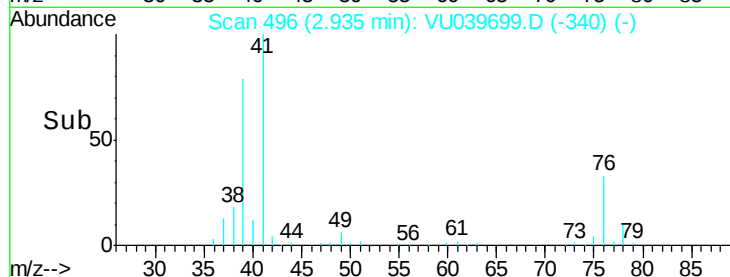
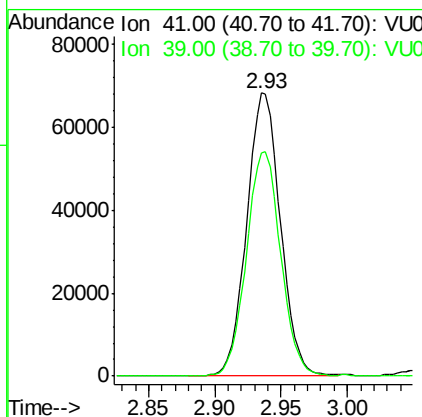
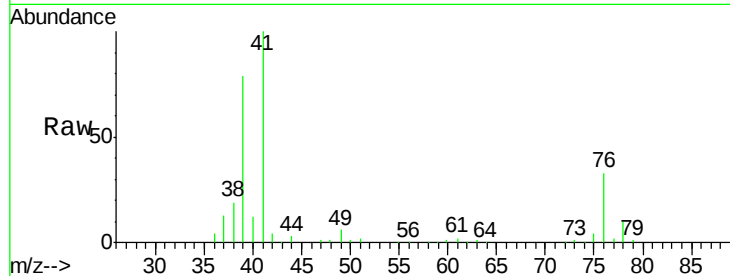
#11
Allvl Chloride
Concen: 11.426 ug/l
RT: 2.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.2	64.2	96.2

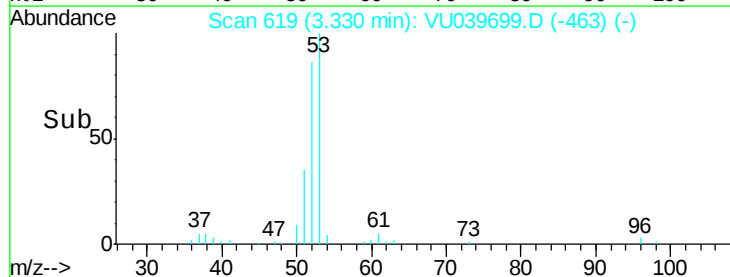
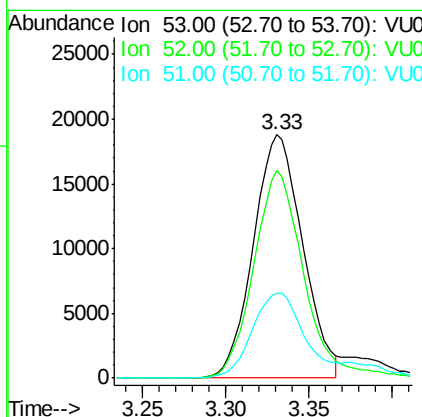
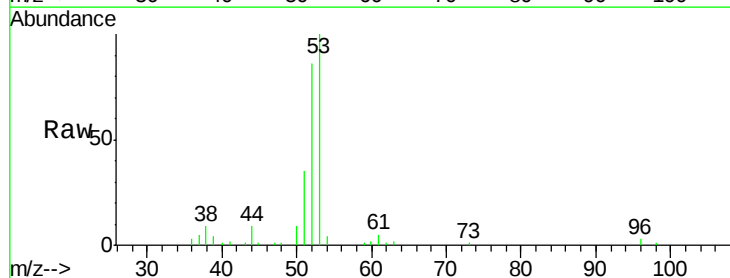
Manual Integrations
APPROVED

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7/31/2020 3:43:01 PM



#12
Acrylonitrile
Concen: 24.385 ug/l m
RT: 3.33 min Scan# 619
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
53	100		
52	87.1	69.1	103.7
51	37.1	29.4	44.2





#13

Acetone

Concen: 69.136 ug/l

RT: 2.64 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

Tot Ion: 43 Resp: 90985

Ion Ratio Lower Upper

43 100

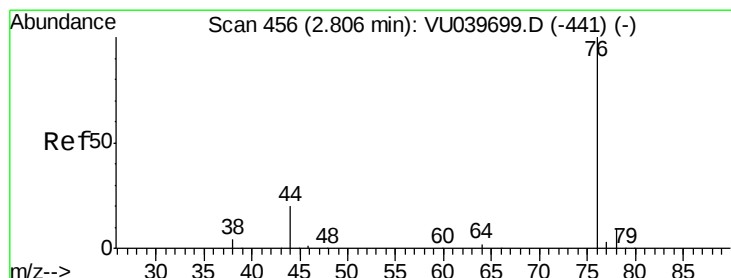
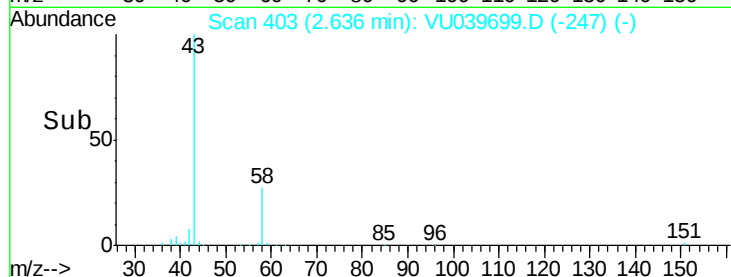
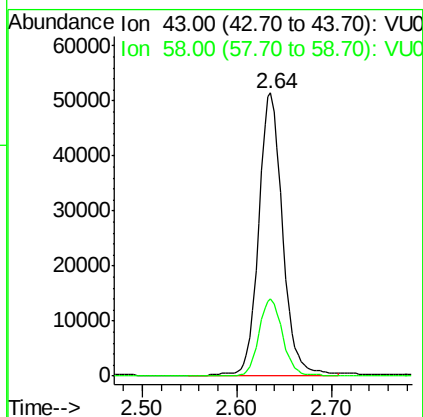
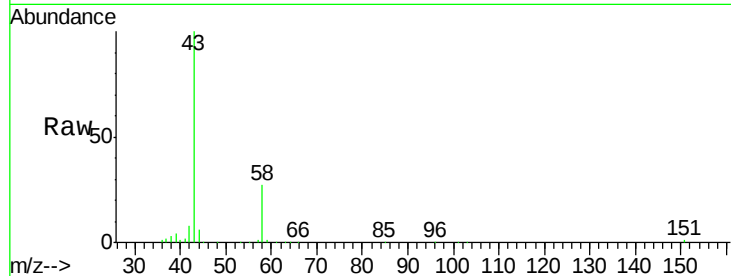
58 27.2 21.8 32.6

Manual Integrations

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#14

Carbon Disulfide

Concen: 10.223 ug/l

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039699.D

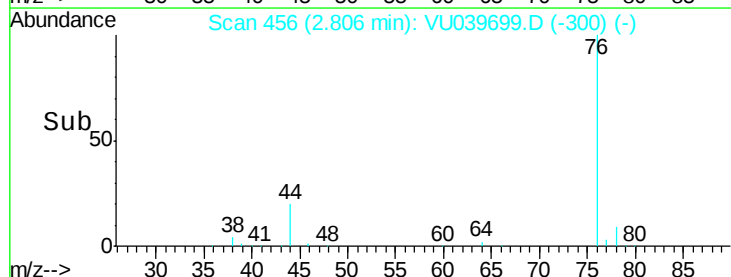
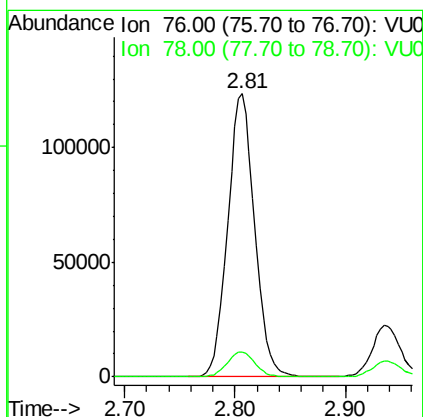
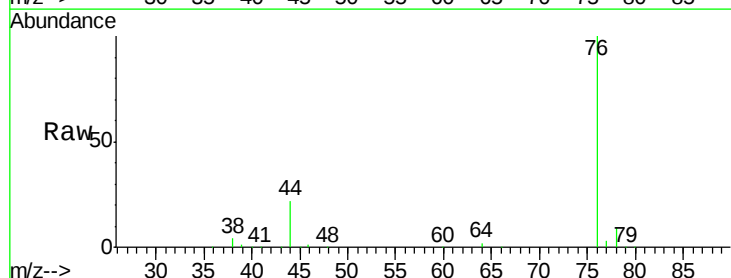
Acq: 29 Jul 2020 12:38

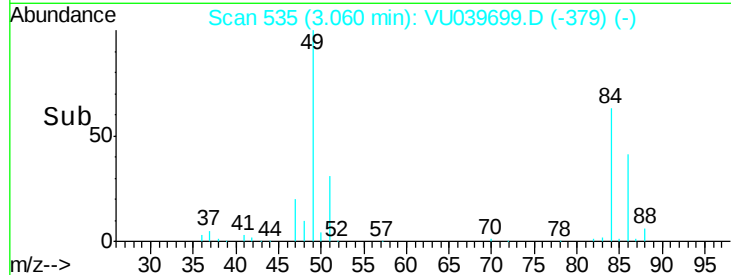
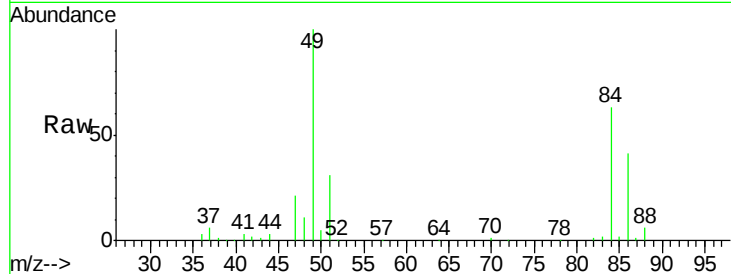
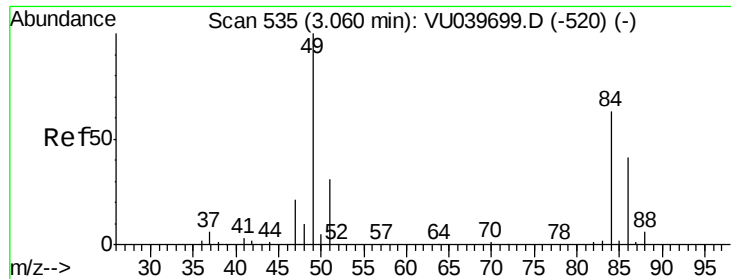
Tgt Ion: 76 Resp: 208806

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6





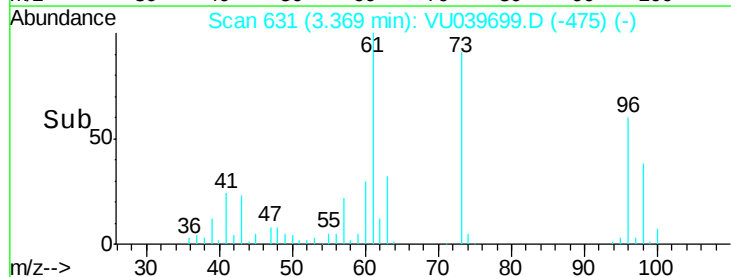
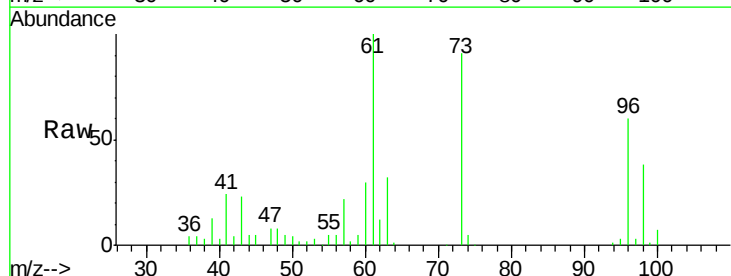
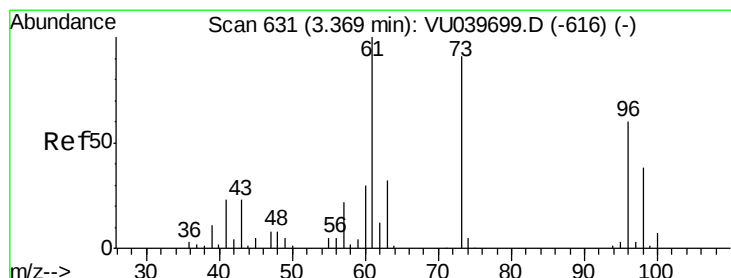
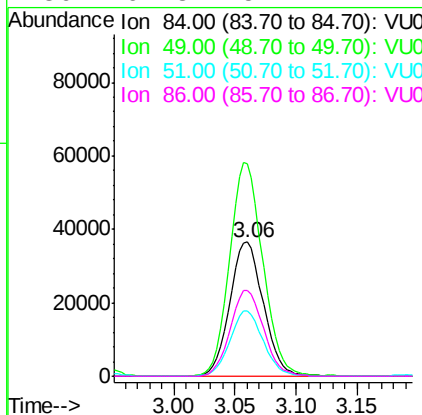
#15
Methvlene Chloride
Concen: 8.999 ug/l
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	158.5	126.8	190.2	
51	48.6	0.0	97.2	
86	64.3	51.4	77.2	

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

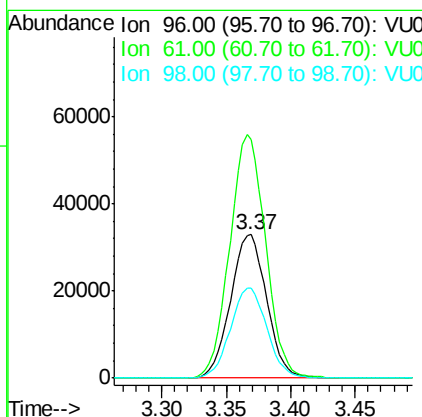
Manual Integrations
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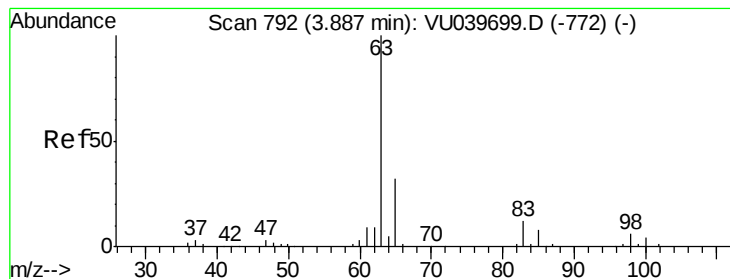
MMDadoda
7/31/2020 3:43:01 PM



#16
trans-1,2-Dichloroethene
Concen: 10.443 ug/l
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	165.8	132.6	199.0	
98	62.7	50.2	75.2	





#17

1,1-Dichloroethane

Concen: 11.802 ug/l

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

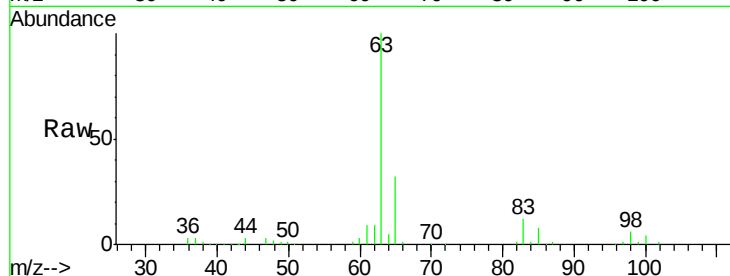
ClientSampleId :

VSTDICCC010

Tot Ion:	63	Resp:	141414
Ion Ratio	Lower	Upper	
63	100		
98	5.8	2.9	8.7
100	4.0	2.0	6.0

Manual Integrations
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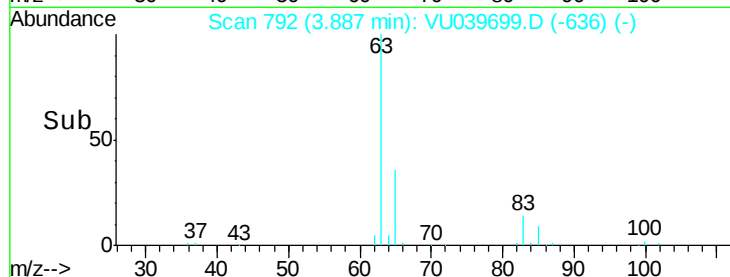


Abundance Ion 63.00 (62.70 to 63.70): VU039699.D (-772) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-772) (-)

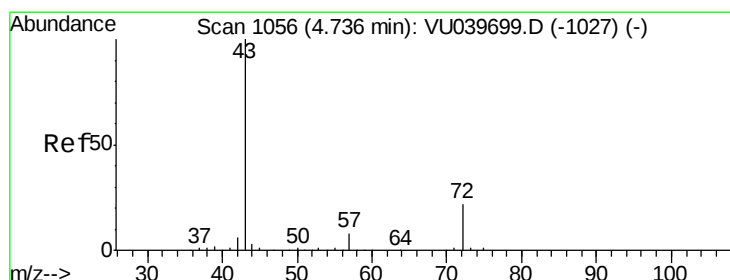
Ion 100.00 (99.70 to 100.70): VU039699.D (-772) (-)

Time-->



Abundance

Time-->



#18

2-Butanone

Concen: 75.163 ug/l

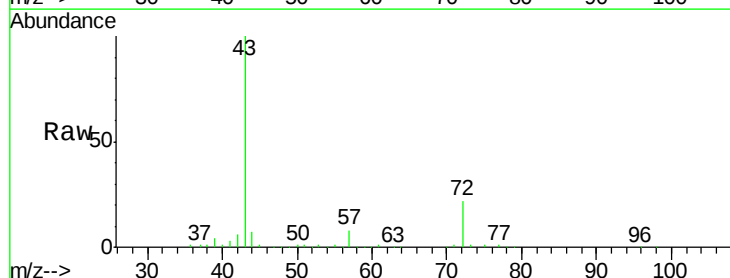
RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

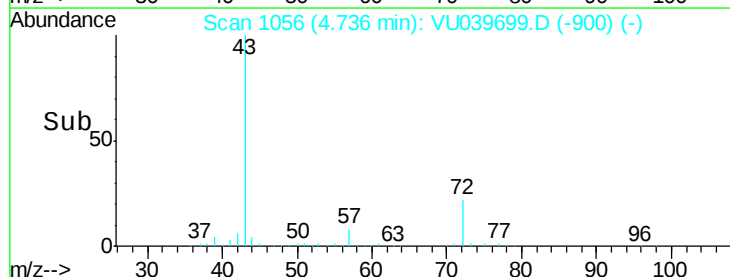
Tgt Ion:	43	Resp:	152612
Ion Ratio	Lower	Upper	
43	100		
57	7.6	0.0	15.2



Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-1027) (-)

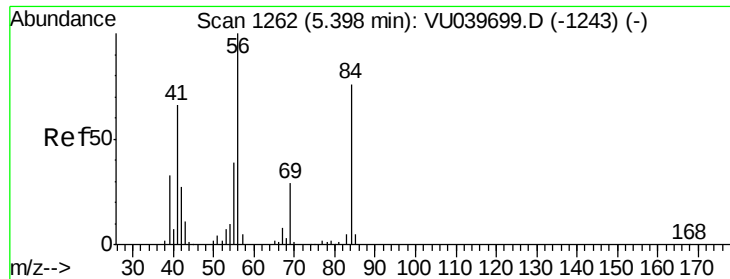
Ion 57.00 (56.70 to 57.70): VU039699.D (-1027) (-)

Time-->



Abundance

Time-->



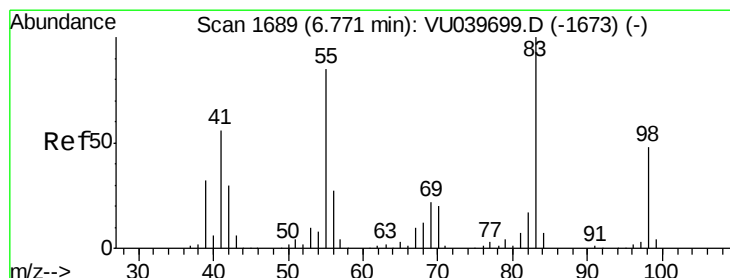
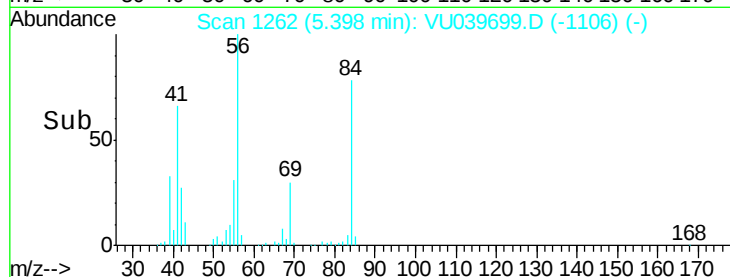
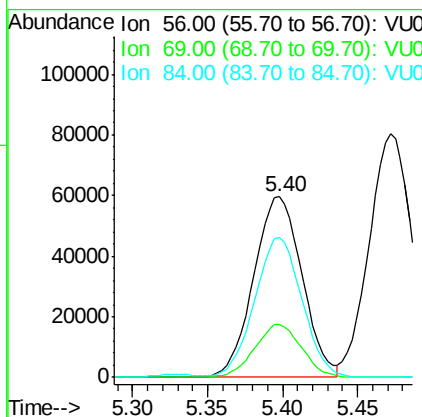
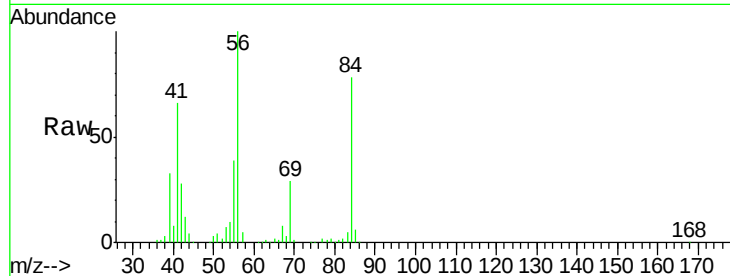
#19
Cyclohexane
Concen: 11.599 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.8	34.2
84	74.5	59.9	89.9

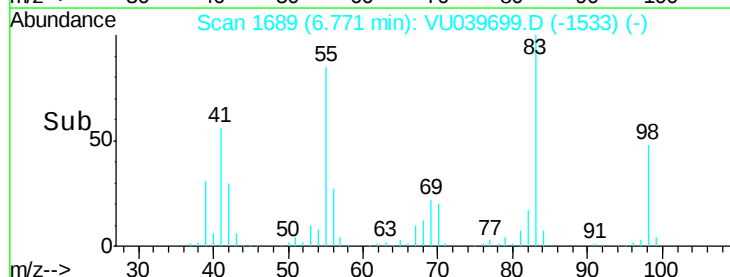
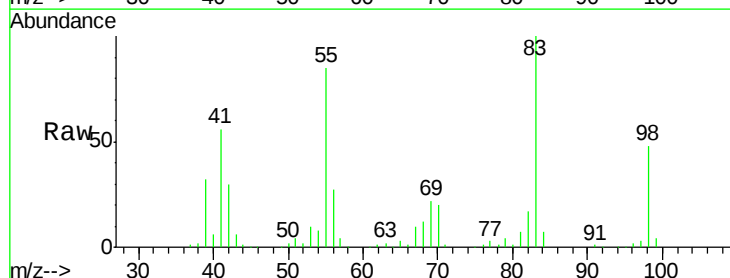
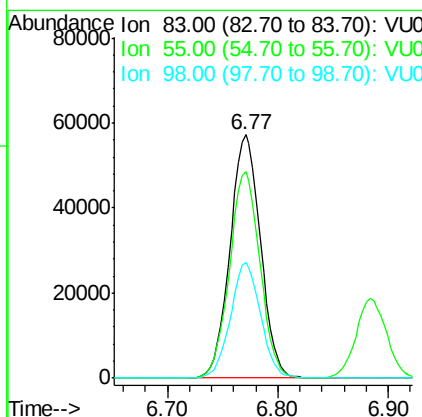
Manual Integrations
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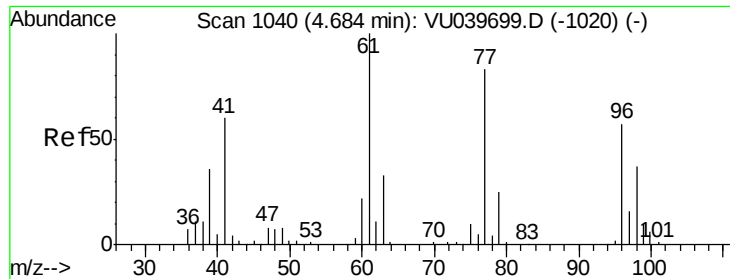
MMDadoda
7/31/2020 3:43:01 PM



#20
Methylcyclohexane
Concen: 10.065 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.5	67.6	101.4
98	46.6	37.3	55.9





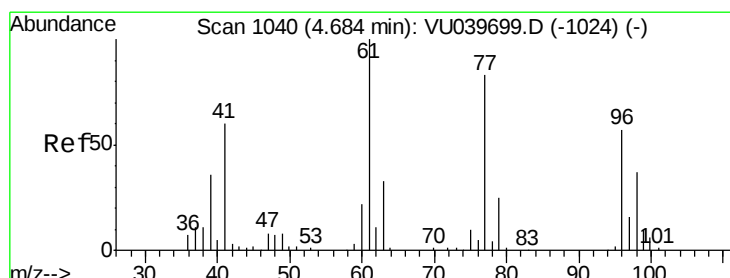
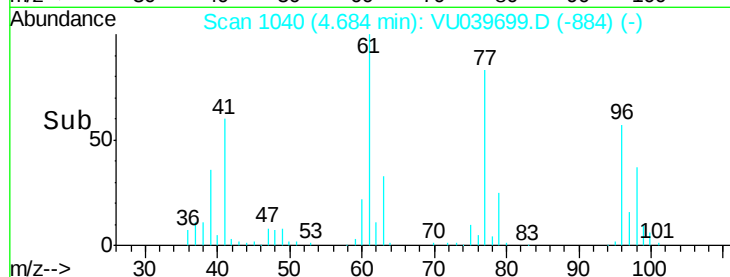
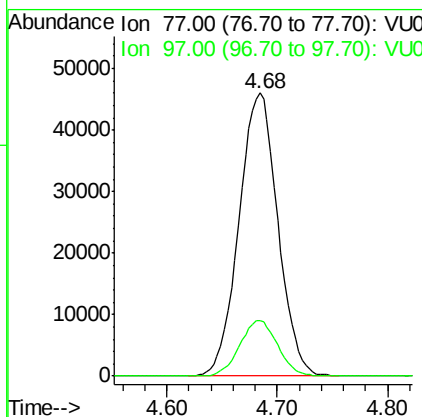
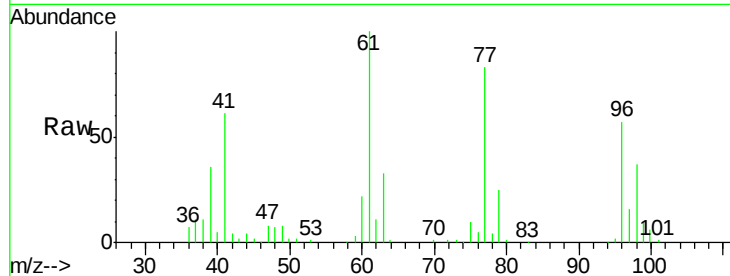
#21
 2,2-Dichloropropane
 Concen: 11.345 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC010

Tot Ion: 77 Resp: 112357
 Ion Ratio Lower Upper
 77 100
 97 19.0 15.2 22.8

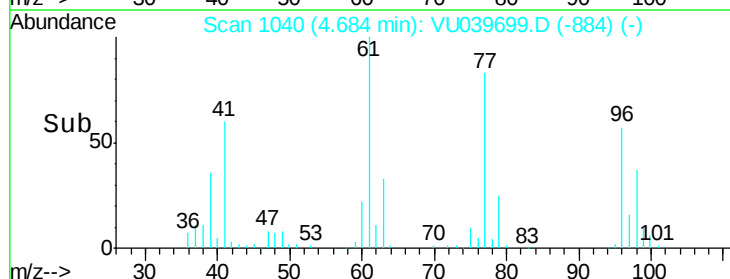
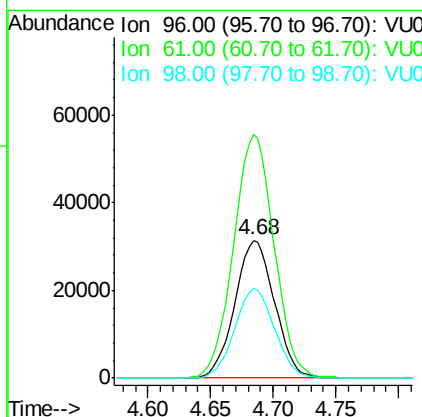
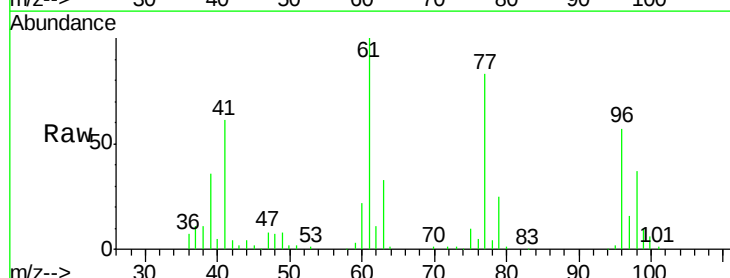
Manual Integrations
 APPROVED

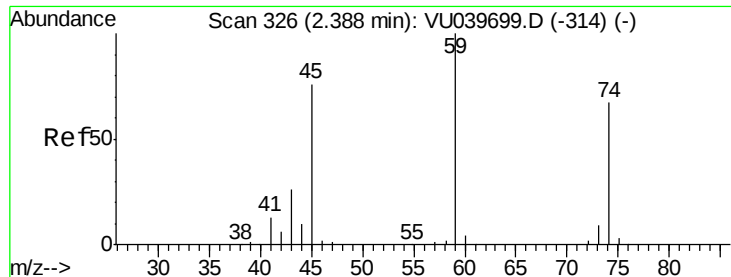
MMDadoda
 7/31/2020 3:43:01 PM



#22
 cis-1,2-Dichloroethene
 Concen: 10.646 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion: 96 Resp: 69254
 Ion Ratio Lower Upper
 96 100
 61 180.5 0.0 451.3
 98 65.3 32.6 98.0





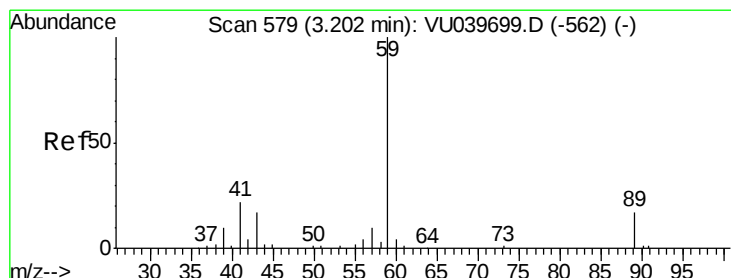
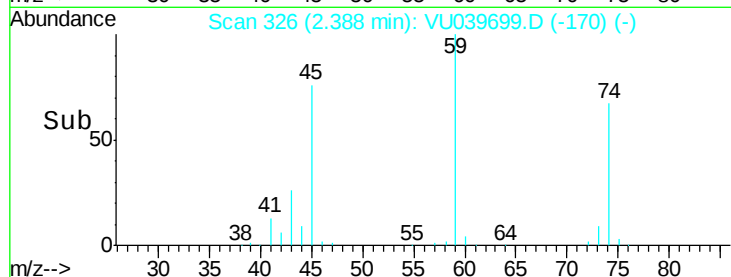
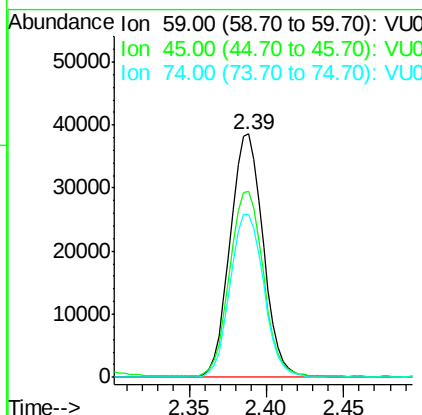
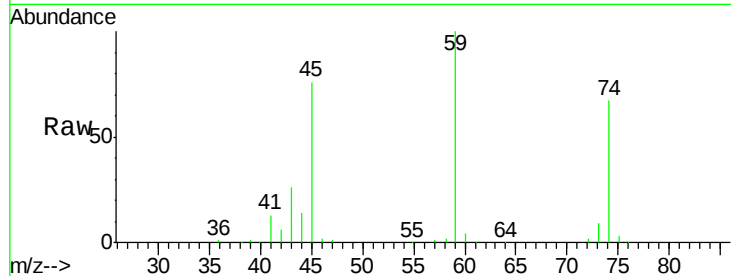
#23
Diethyl Ether
Concen: 11.412 ug/l
RT: 2.39 min Scan# 326
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
59	100		
45	76.9	61.5	92.3
74	67.9	54.3	81.5

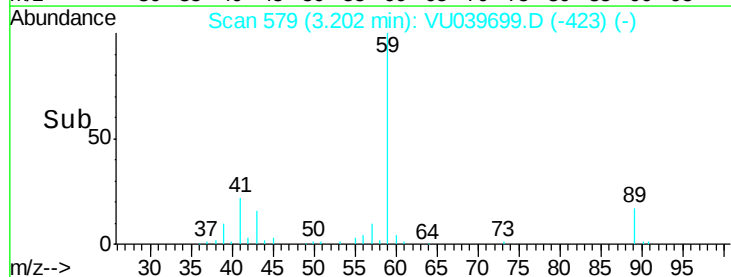
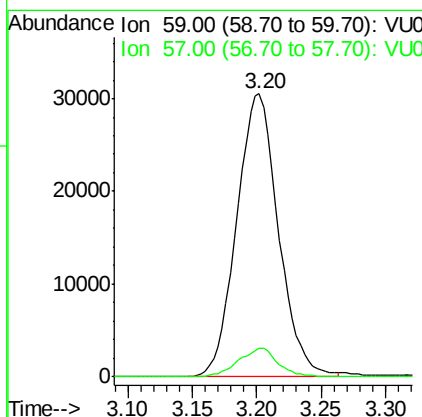
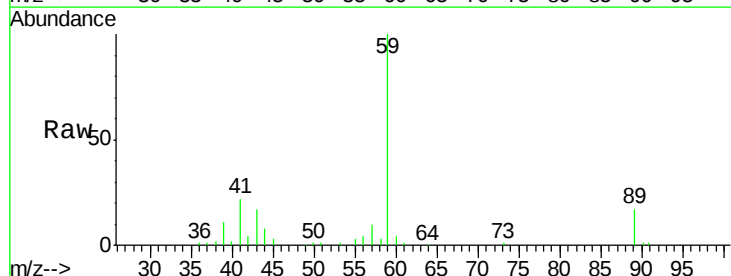
Manual Integrations
APPROVED

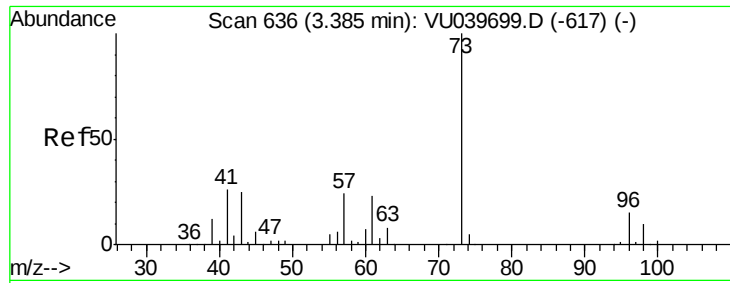
MMDadoda
7/31/2020 3:43:01 PM



#24
tert-Butyl Alcohol
Concen: 120.356 ug/l
RT: 3.20 min Scan# 579
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.6





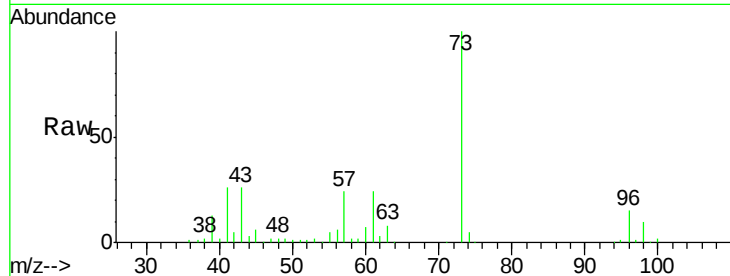
#25
Methvl tert-Butvl Ether
Concen: 11.840 ug/l
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

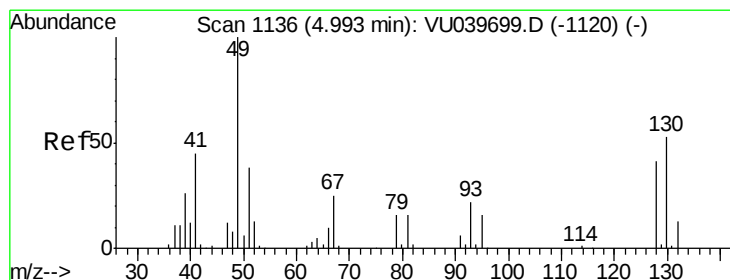
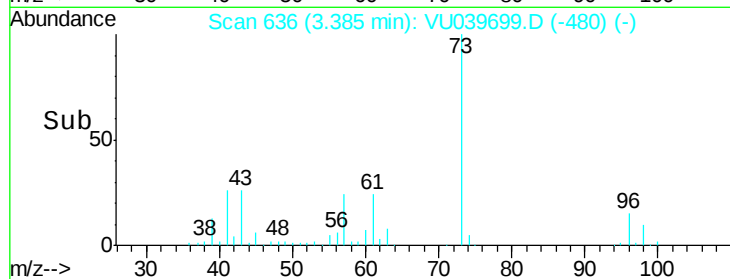
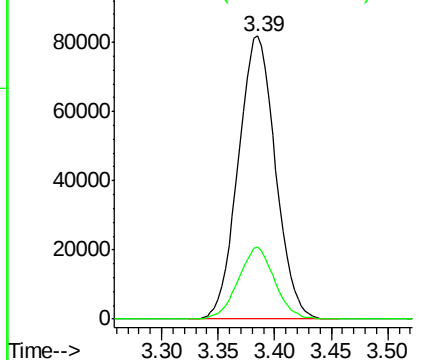
Tot Ion: 73 Resp: 187412
Ion Ratio Lower Upper
73 100
43 25.1 20.1 30.1

Manual Integrations
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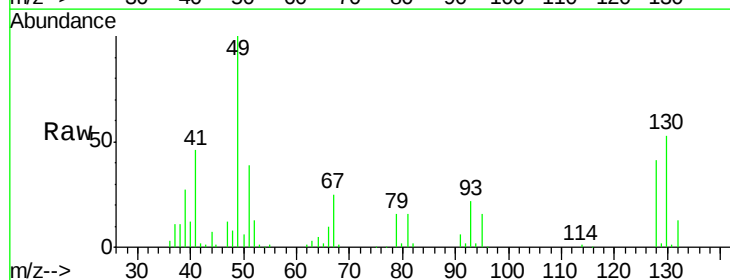


Abundance Ion 73.00 (72.70 to 73.70): VU039699.D (-617) (-)
Ion 43.00 (42.70 to 43.70): VU039699.D (-617) (-)

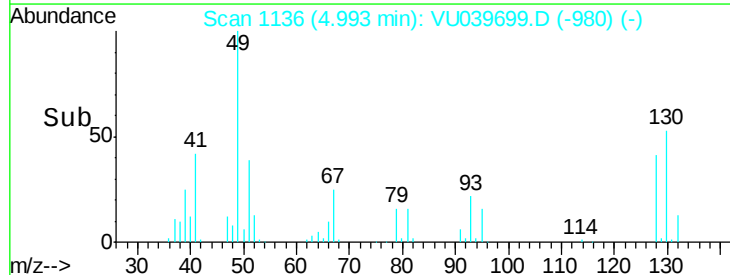
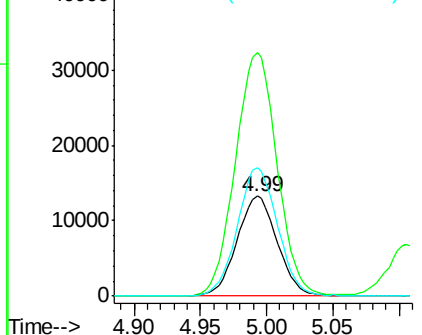


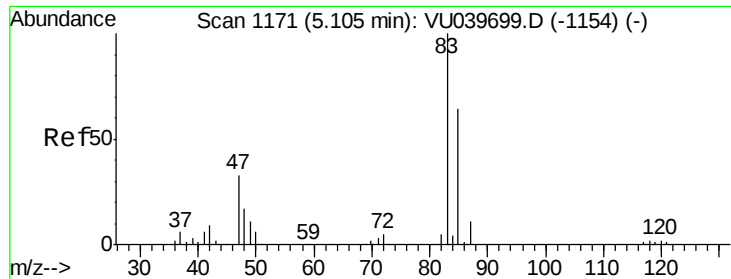
#26
Bromochloromethane
Concen: 10.662 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion:128 Resp: 27979
Ion Ratio Lower Upper
128 100
49 251.9 0.0 503.8
130 128.4 102.7 154.1



Abundance Ion 128.00 (127.70 to 128.70): VU039699.D (-1120) (-)
Ion 49.00 (48.70 to 49.70): VU039699.D (-1120) (-)
Ion 130.00 (129.70 to 130.70): VU039699.D (-1120) (-)





#27

Chloroform

Concen: 11.587 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 129770

Ion Ratio Lower Upper

83 100

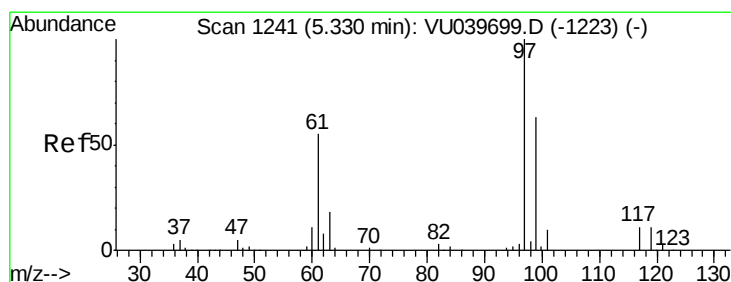
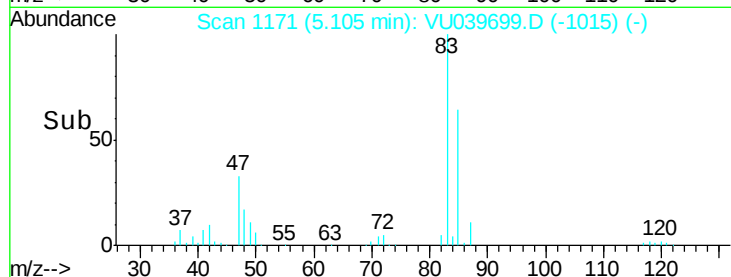
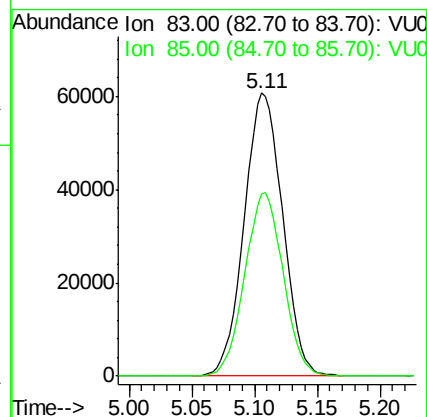
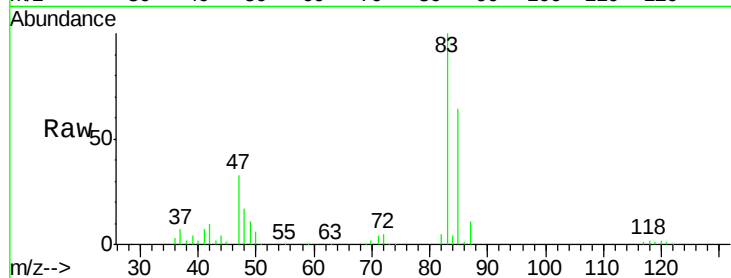
85 64.4 0.0 128.8

Manual Integrations

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#28

1,1,1-Trichloroethane

Concen: 11.590 ug/l

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

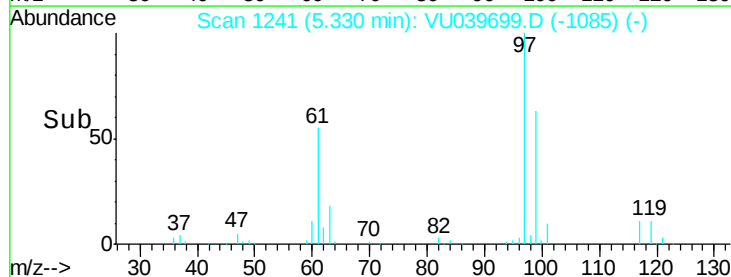
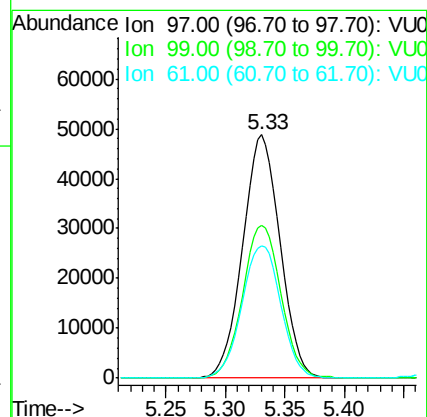
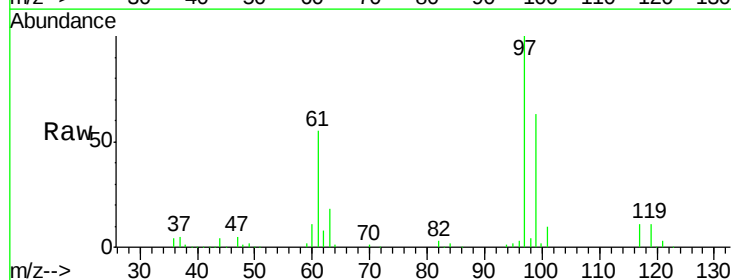
Tgt Ion: 97 Resp: 106469

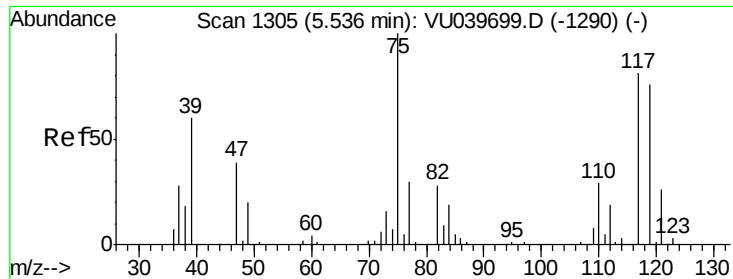
Ion Ratio Lower Upper

97 100

99 64.4 32.2 96.6

61 56.7 28.3 85.0





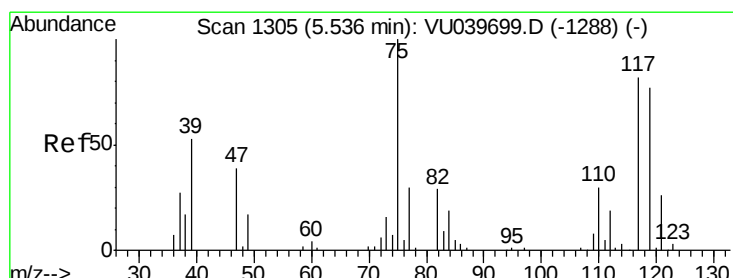
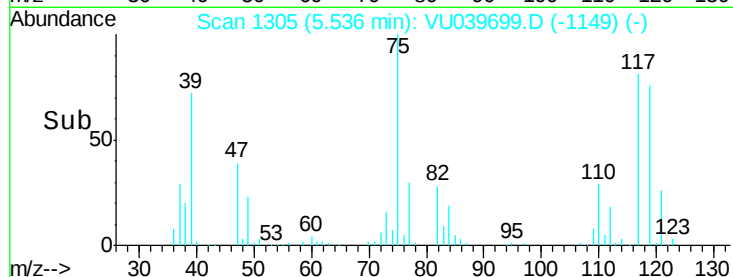
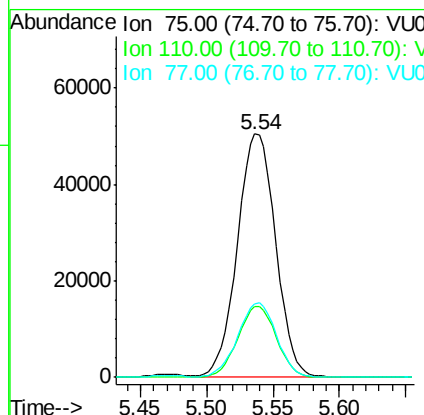
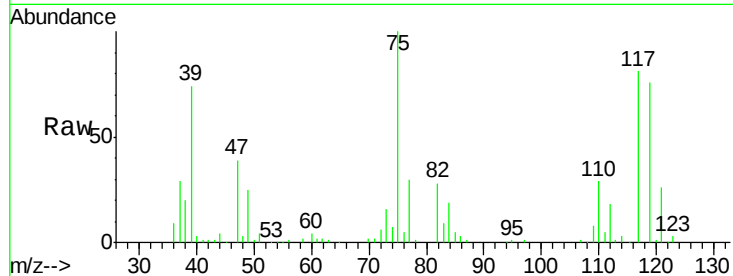
#29
 1,1-Dichloropropene
 Concen: 11.099 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.3	14.6	44.0
77	31.2	25.0	37.4

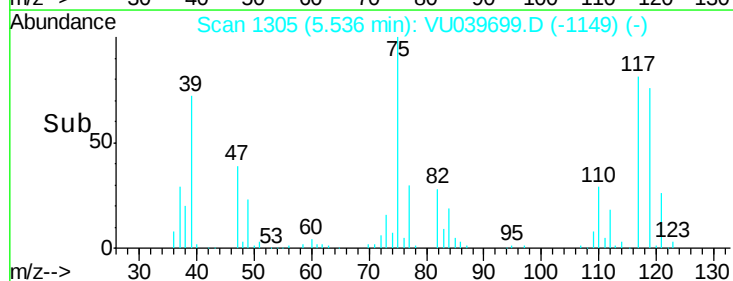
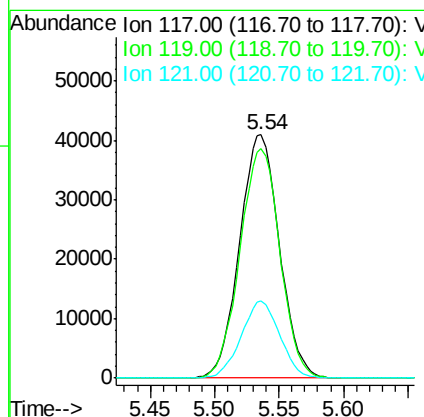
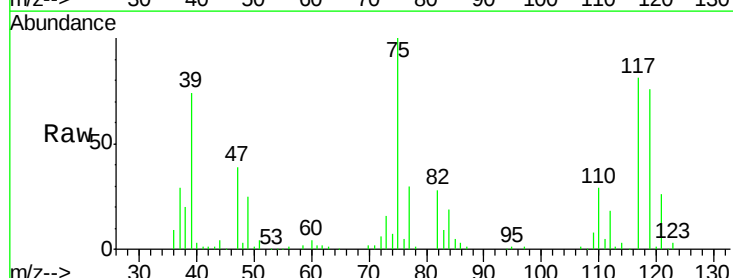
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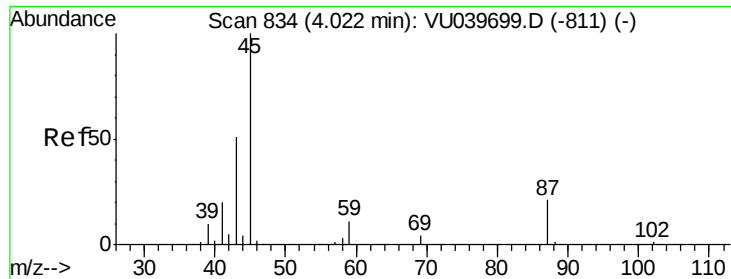
MMDadoda
 7/31/2020 3:43:01 PM



#30
 Carbon Tetrachloride
 Concen: 11.479 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.2	112.8
121	31.8	25.4	38.2





#31

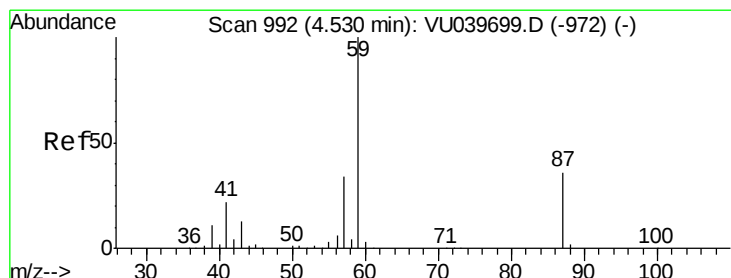
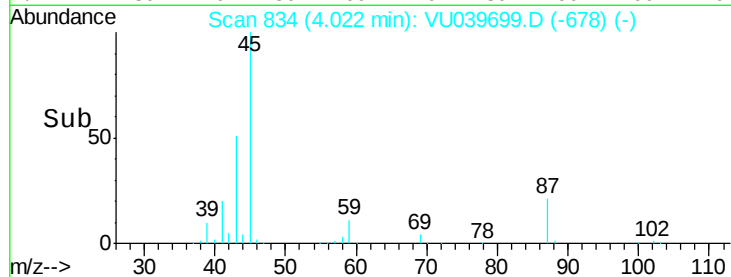
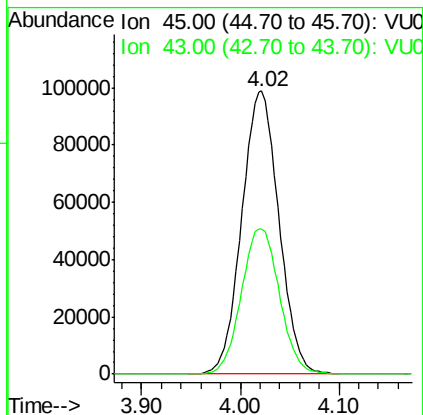
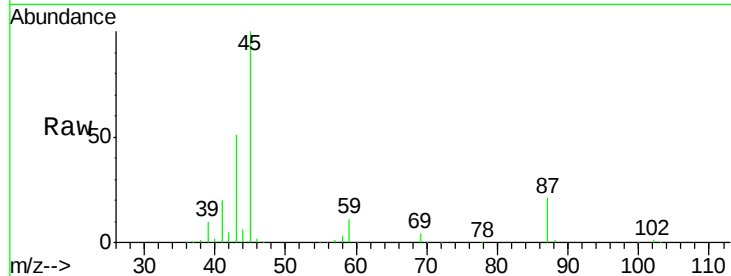
Isopropyl Ether
 Concen: 12.816 ug/l
 RT: 4.02 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC010

Tot Ion	45	43	Ratio	Lower	Upper
257268	100	52.9		26.5	79.4

Manual Integrations
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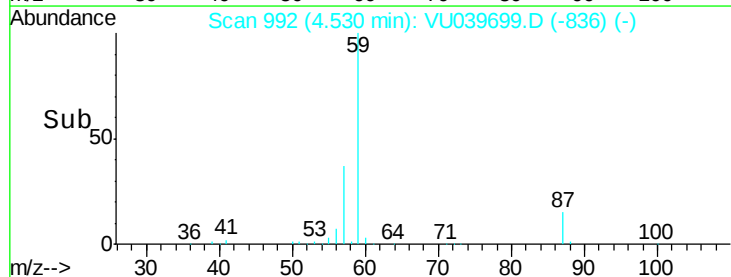
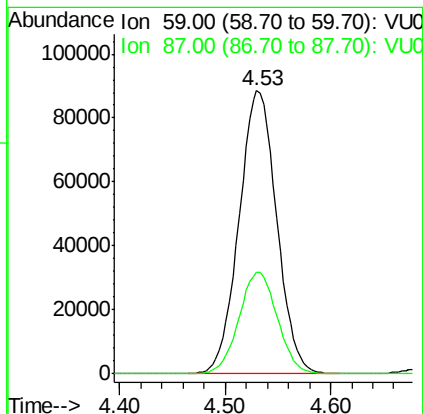
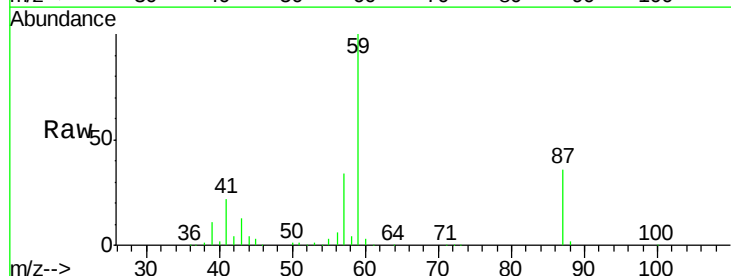
MMDadoda
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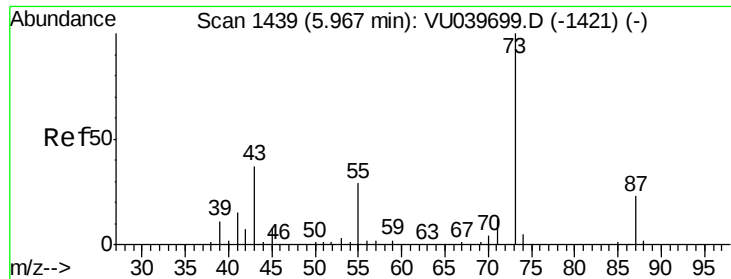


#32

Ethyl-t-butyl ether
 Concen: 12.269 ug/l
 RT: 4.53 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion	59	87	Ratio	Lower	Upper
219612	100	36.7		29.4	44.0





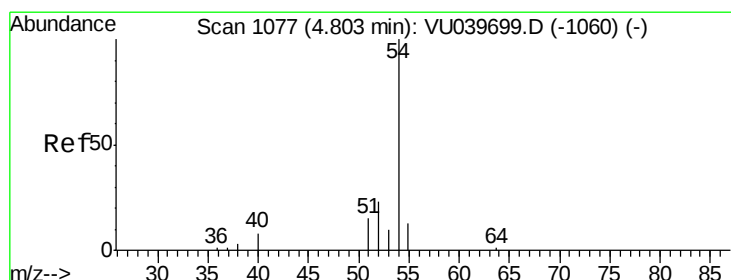
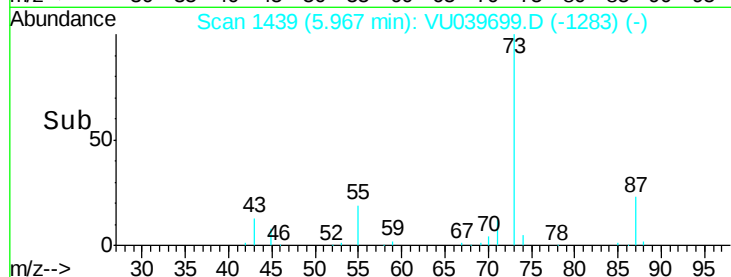
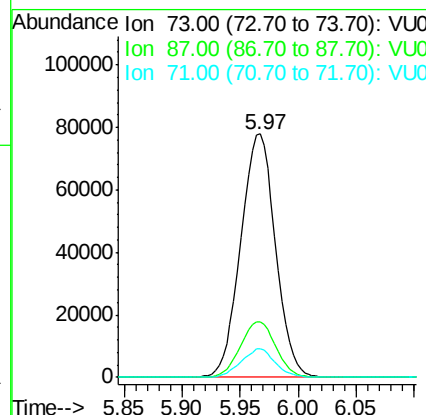
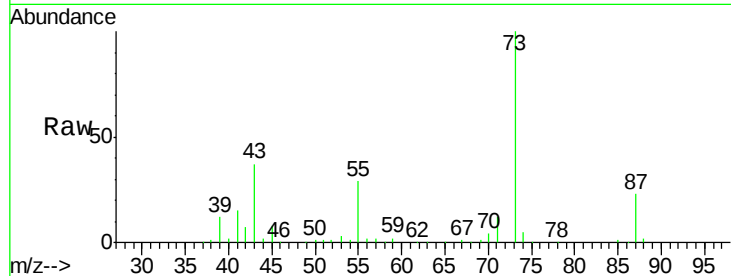
#33
Tert-Butyl methyl ether
Concen: 10.807 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.4	18.7	28.1
71	11.4	9.1	13.7

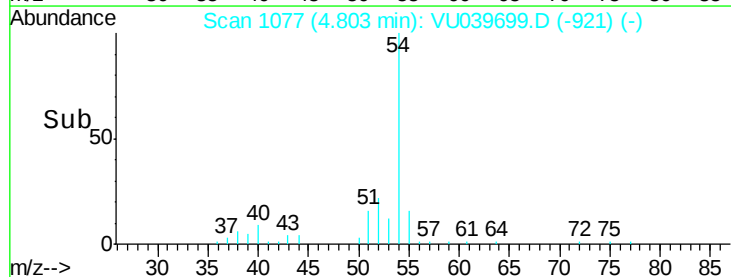
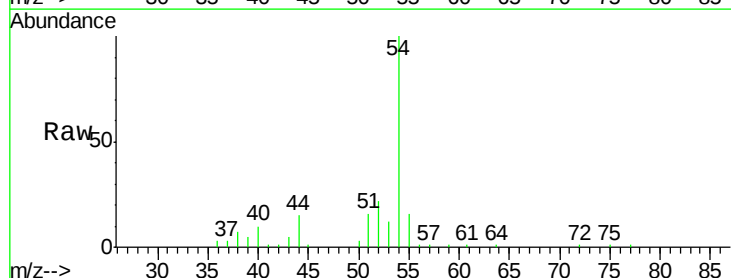
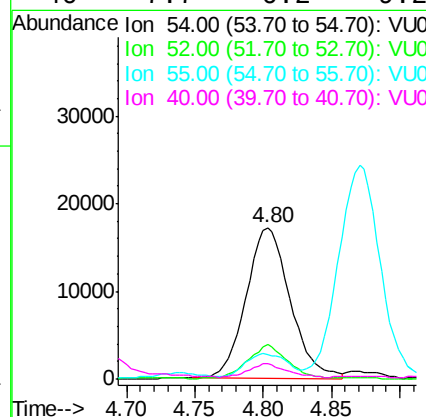
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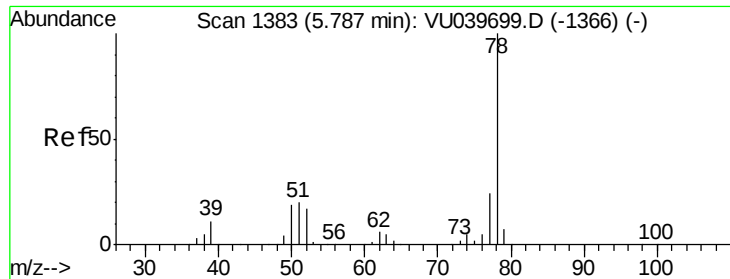
MMDadoda
7/31/2020 3:43:01 PM



#34
Propionitrile
Concen: 68.133 ug/l
RT: 4.80 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.1	16.9	25.3
55	16.1	12.9	19.3
40	7.7	6.2	9.2





#35

Benzene

Concen: 10.034 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 78 Resp: 252240

Ion Ratio Lower Upper

78 100

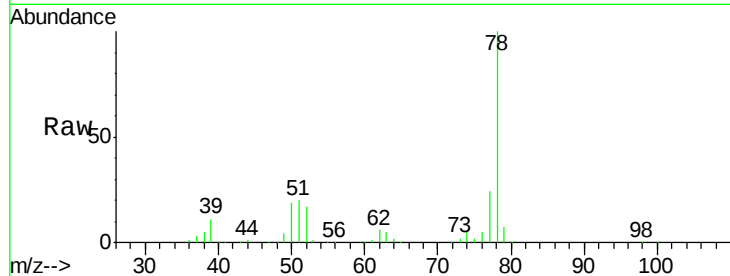
77 24.0 19.2 28.8

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU039699.D (-1366) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-1366) (-)

5.79

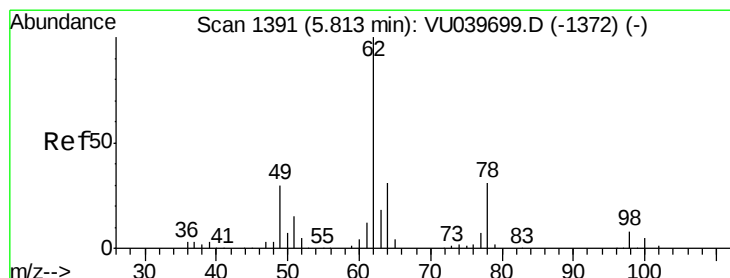
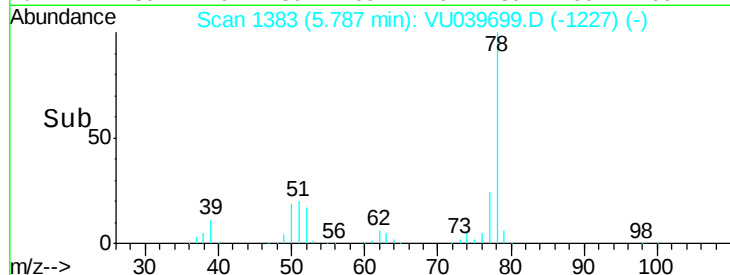
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 12.172 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU039699.D

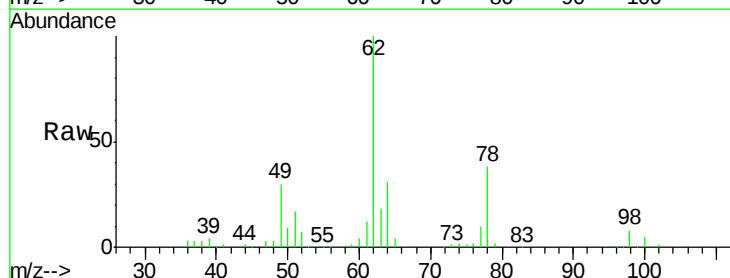
Acq: 29 Jul 2020 12:38

Tgt Ion: 62 Resp: 94665

Ion Ratio Lower Upper

62 100

98 7.7 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VU039699.D (-1372) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-1372) (-)

5.81

50000

40000

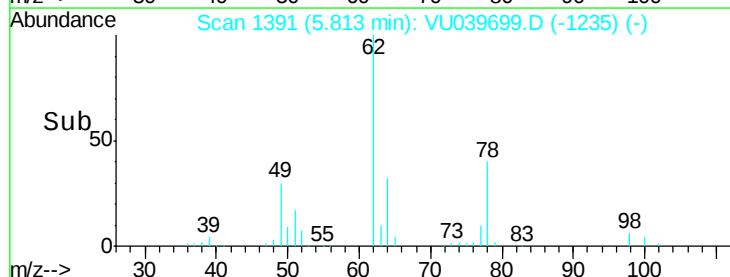
30000

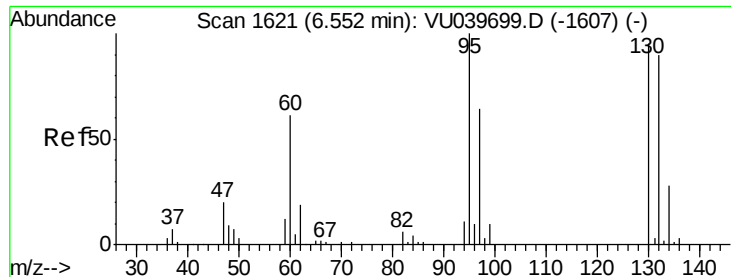
20000

10000

0

Time-->





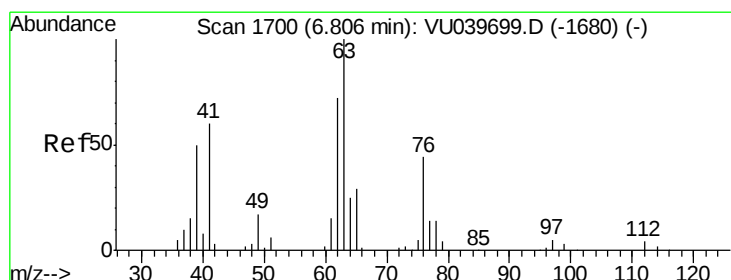
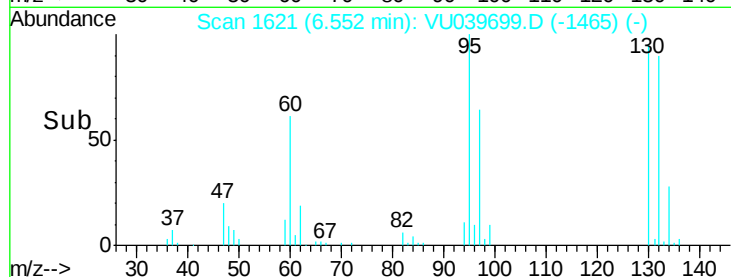
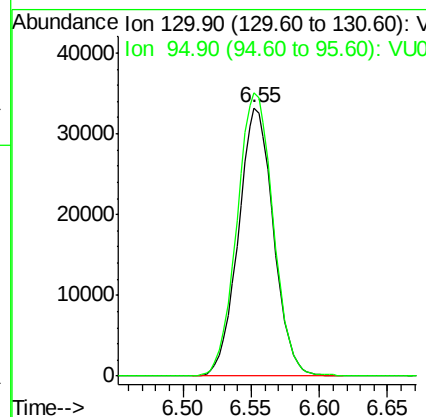
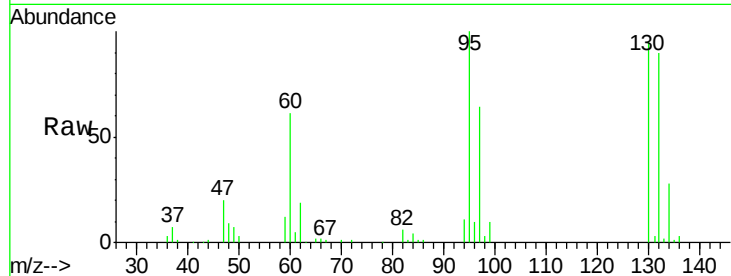
#37
 Trichloroethene
 Concen: 9.111 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:130 Resp: 59305
 Ion Ratio Lower Upper
 130 100
 95 105.4 84.3 126.5

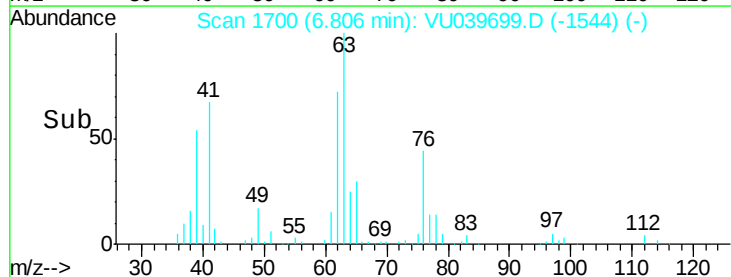
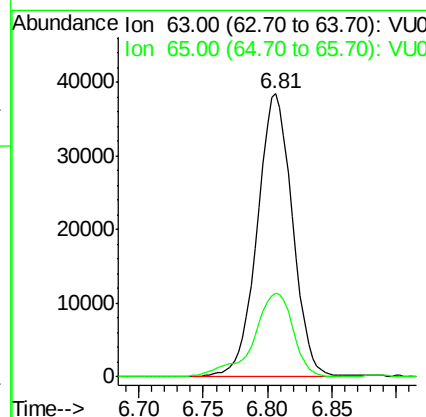
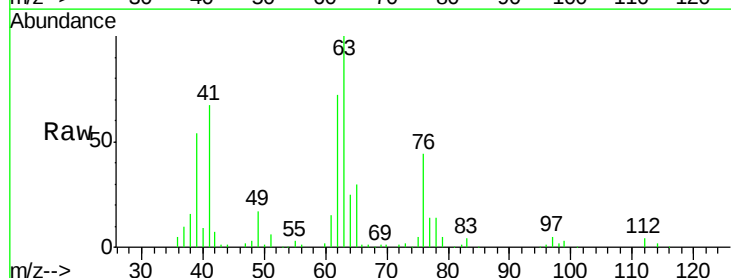
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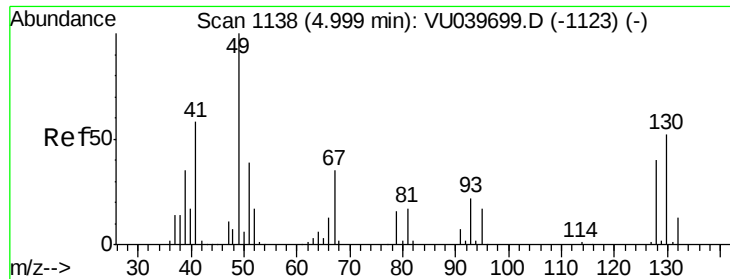
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#38
 1,2-Dichloropropane
 Concen: 10.681 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion: 63 Resp: 73303
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.8 35.6





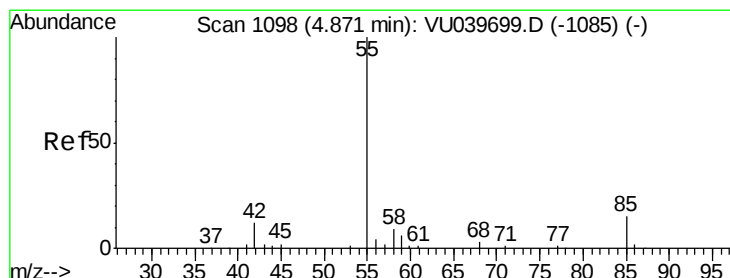
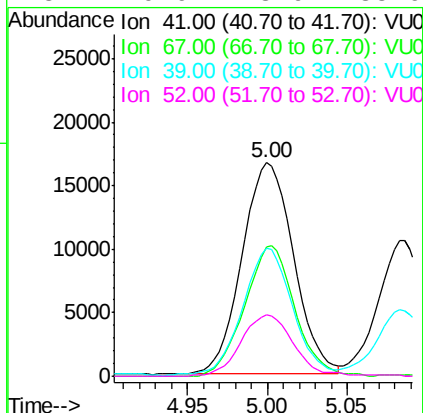
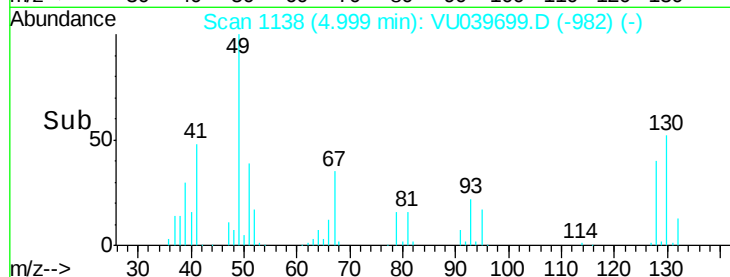
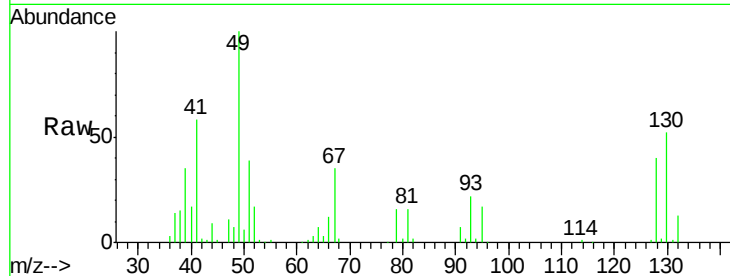
#39
Methacrylonitrile
Concen: 13.725 ug/l
RT: 5.00 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	41	Resp	36553
Ion	Ratio	Lower	Upper
41	100		
67	60.4	48.3	72.5
39	59.5	47.6	71.4
52	29.9	23.9	35.9

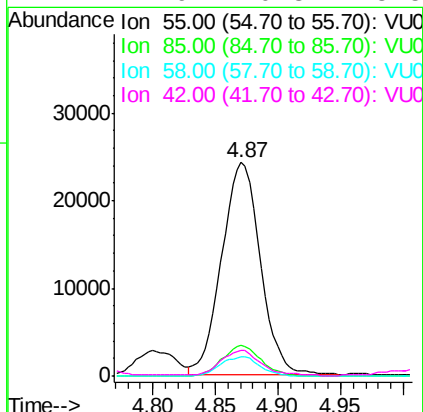
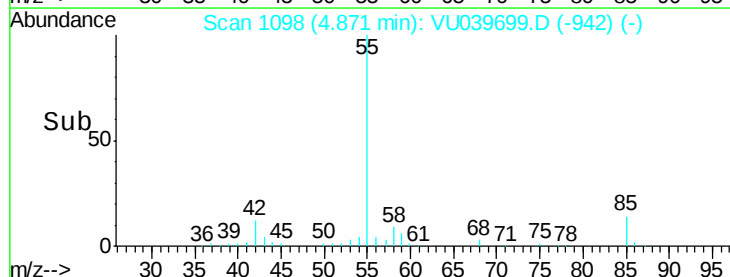
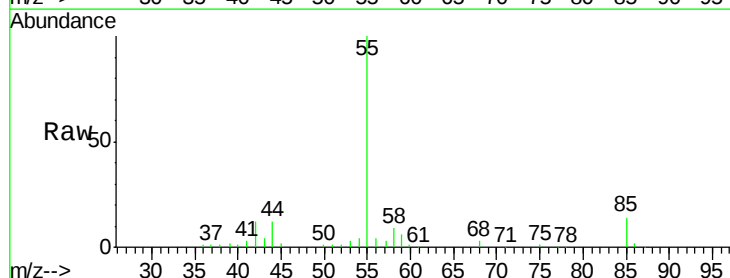
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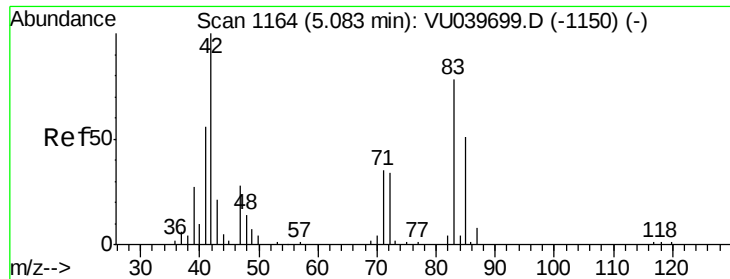
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#40
Methyl acrylate
Concen: 13.402 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	55	Resp	51843
Ion	Ratio	Lower	Upper
55	100		
85	14.2	11.4	17.0
58	9.2	7.4	11.0
42	12.9	10.3	15.5





#41

Tetrahydrofuran

Concen: 27.780 ug/l

RT: 5.08 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

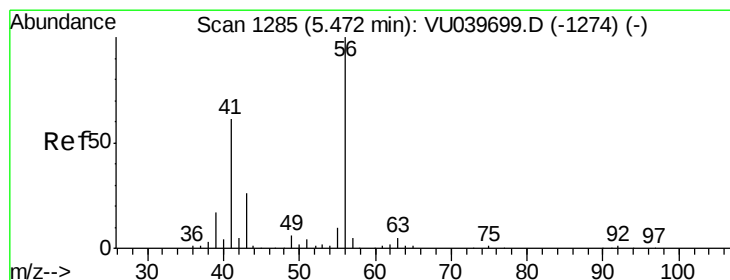
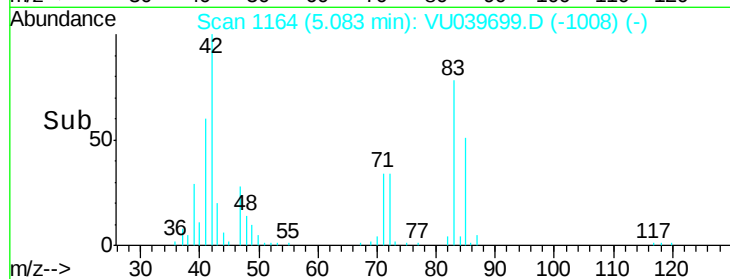
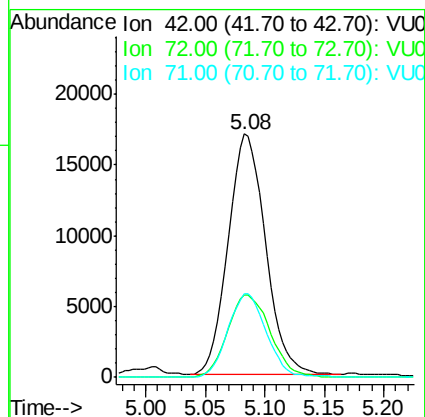
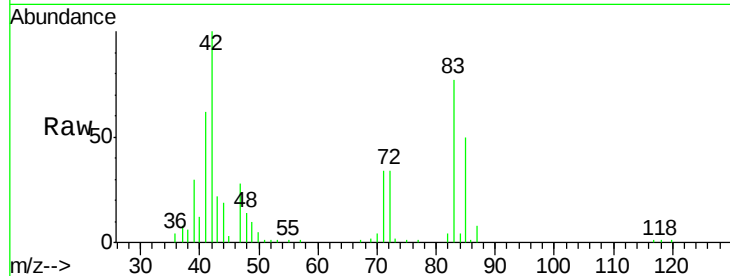
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	37189
Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.0	46.6
71	35.3	28.2	42.4

Manual Integrations
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#42

1-Chlorobutane

Concen: 11.955 ug/l

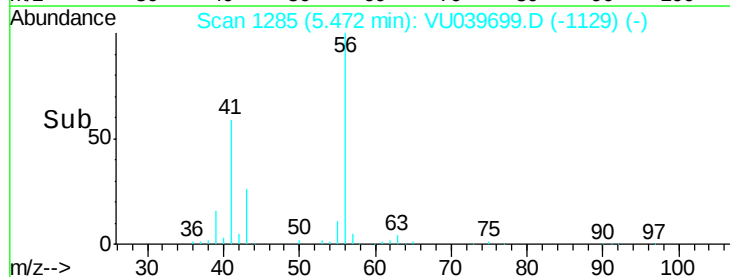
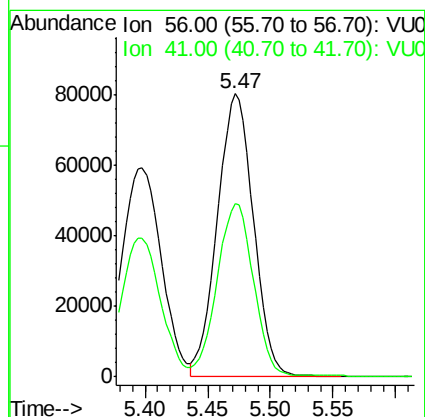
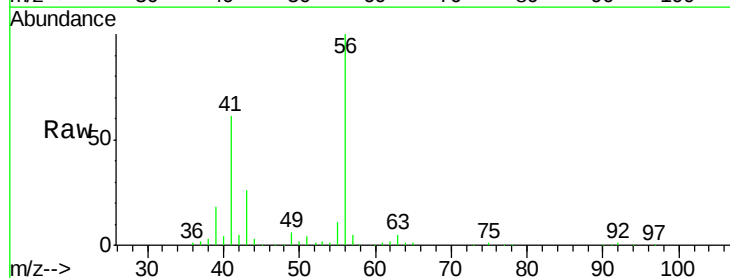
RT: 5.47 min Scan# 1285

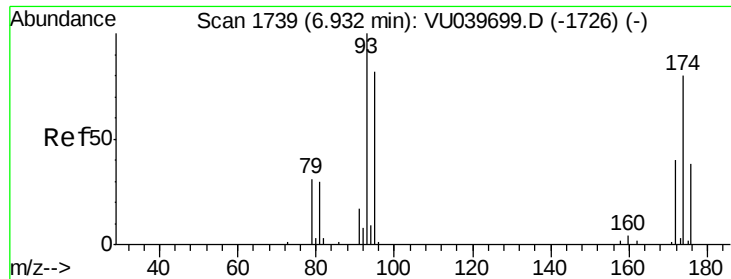
Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Tgt Ion:	56	Resp:	160613
Ion	Ratio	Lower	Upper
56	100		
41	61.0	30.5	91.5





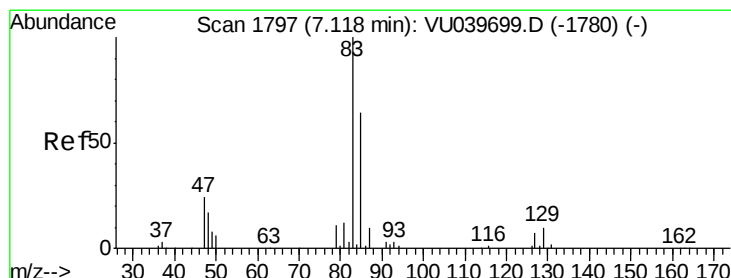
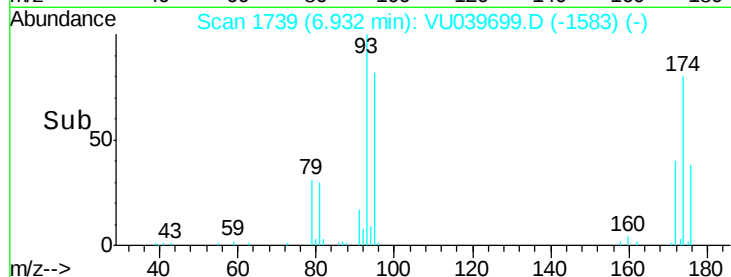
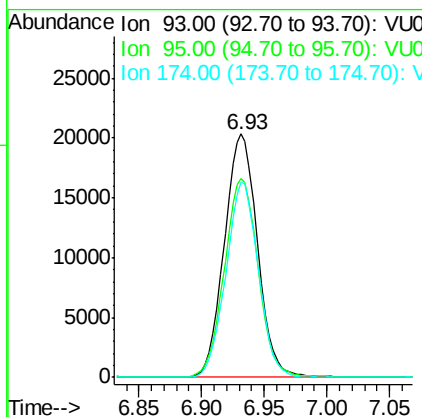
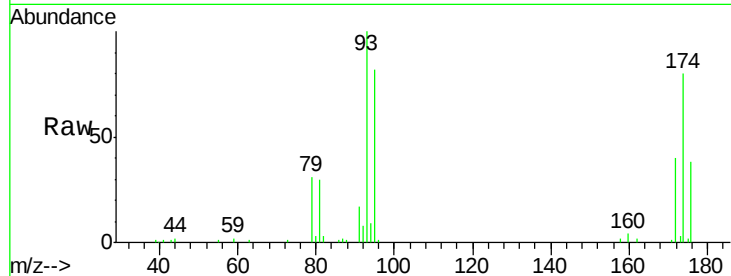
#43
Dibromomethane
Concen: 11.483 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.6	99.8
174	78.4	62.7	94.1

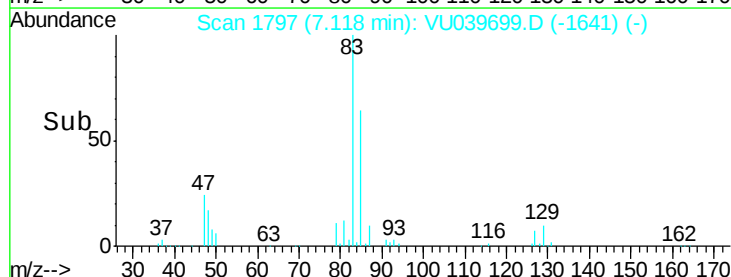
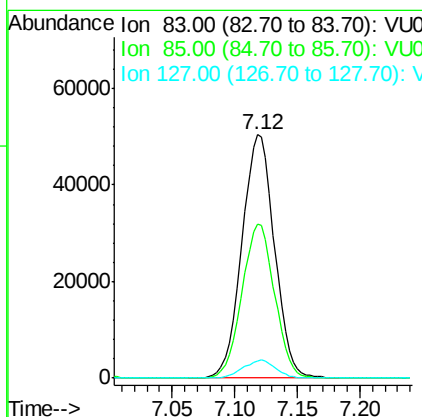
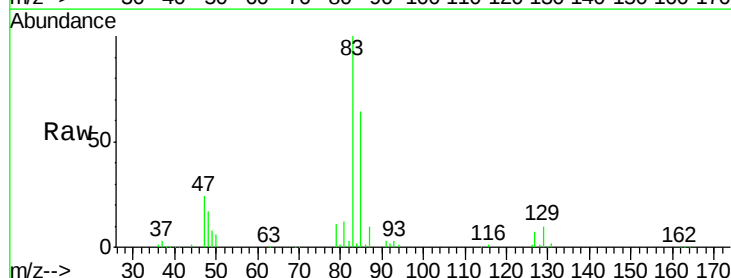
Manual Integrations
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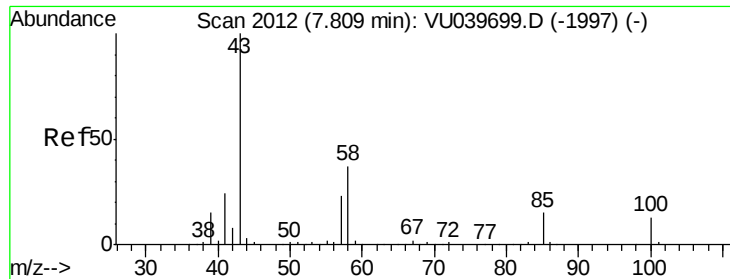
MMDadoda
7/31/2020 3:43:01 PM



#44
Bromodichloromethane
Concen: 11.271 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	7.2	5.8	8.6





#45

4-Methyl-2-Pentanone

Concen: 66.299 ug/l

RT: 7.81 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

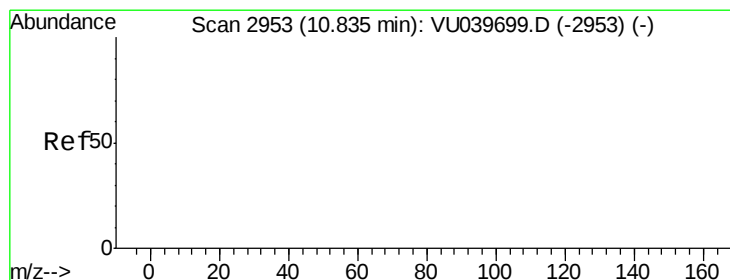
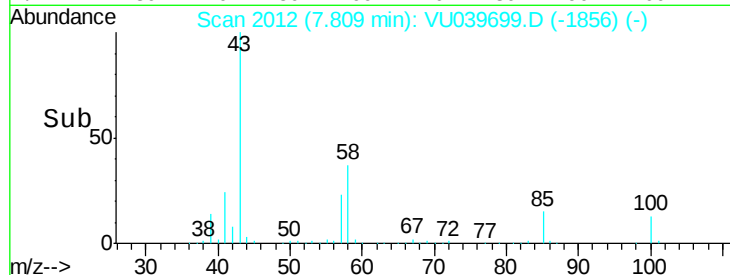
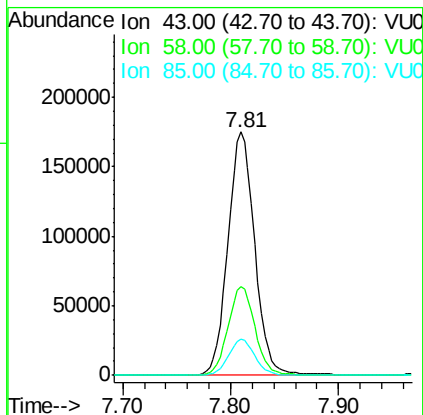
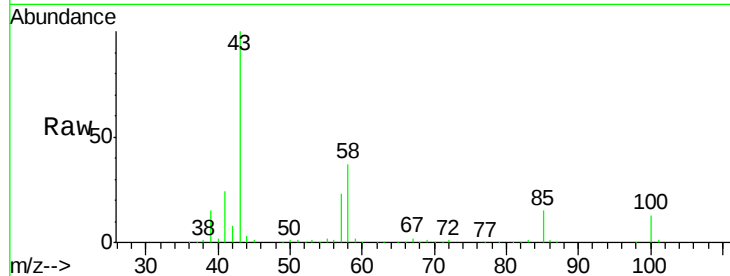
ClientSampleId :

VSTDICCC010

Tot Ion:	43	Resp:	303991
Ion	Ratio	Lower	Upper
43	100		
58	36.7	18.4	55.0
85	14.7	11.8	17.6

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7/31/2020 3:43:01 PM



#46

t-1,4-Dichloro-2-butene

Concen: 22.923 ug/l m

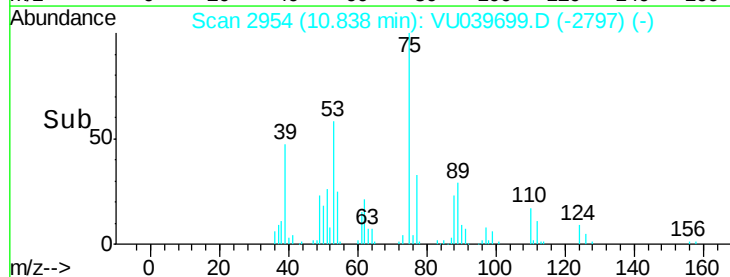
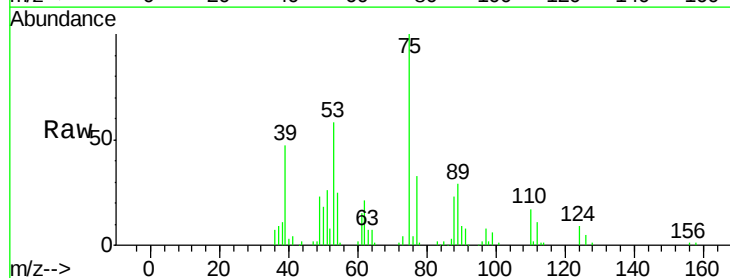
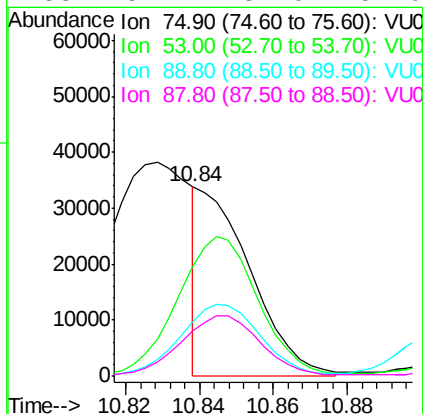
RT: 10.84 min Scan# 2954

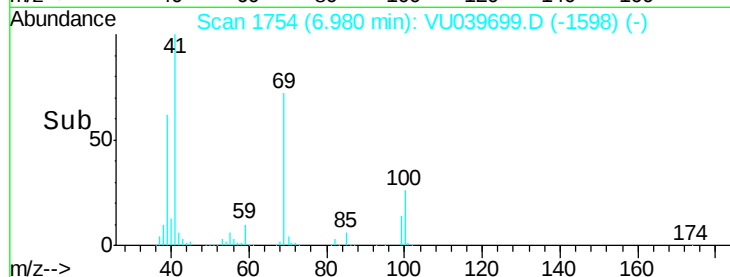
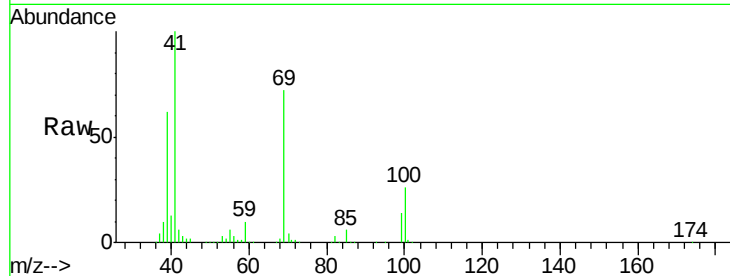
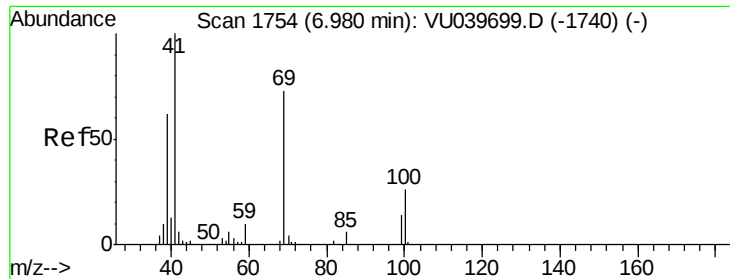
Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

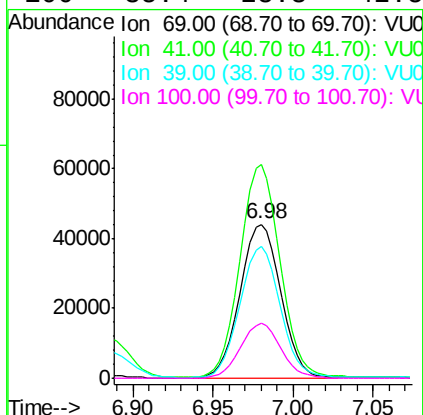
Tgt Ion:	75	Resp:	32117
Ion	Ratio	Lower	Upper
75	100		
53	118.7	78.6	118.0#
89	60.8	40.3	60.5#
88	51.2	34.0	51.0#





#47
Methyl methacrylate
Concen: 23.333 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

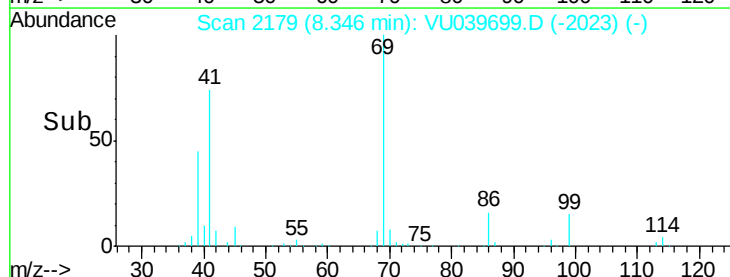
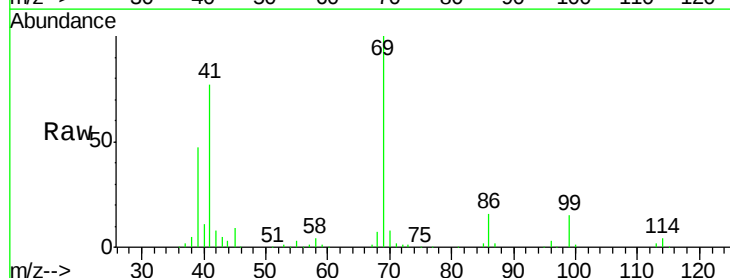
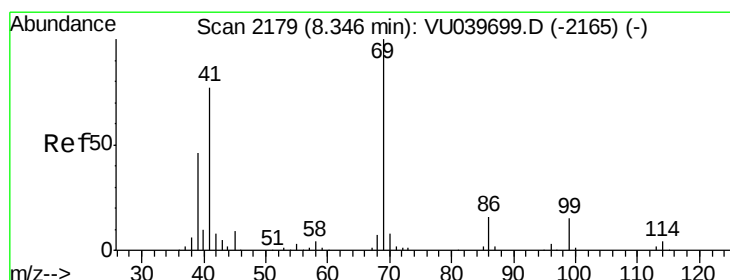
Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	135.8	0.0	271.6	
39	84.3	67.4	101.2	
100	35.4	28.3	42.5	



Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

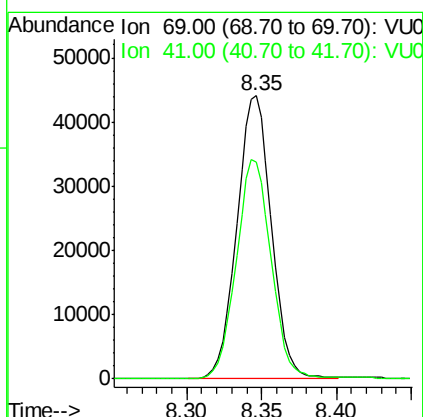
Manual Integrations
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7/31/2020 3:43:01 PM



#48
Ethyl methacrylate
Concen: 11.654 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	78.3	39.1	117.5	





#49

Toluene

Concen: 10.139 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 92 Resp: 161003

Ion Ratio Lower Upper

92 100

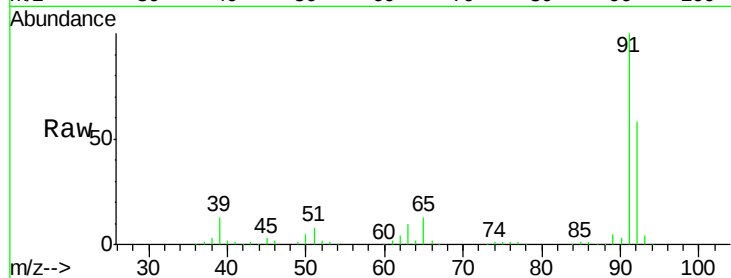
91 170.1 136.1 204.1

Manual Integrations

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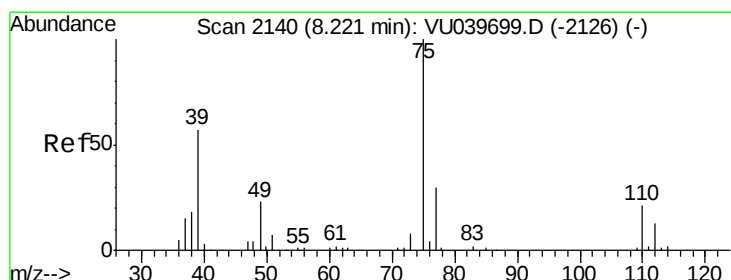
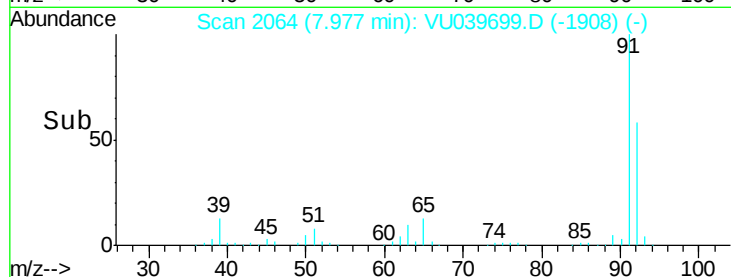
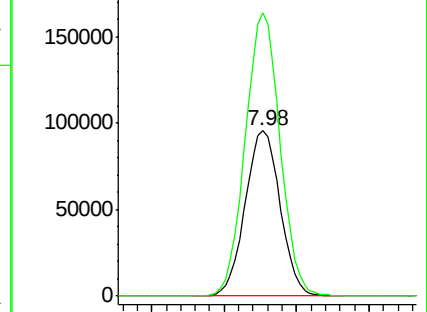
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VU039699.D (-2049) (-)

Ion 91.00 (90.70 to 91.70): VU039699.D (-2049) (-)



#50

t-1,3-Dichloropropene

Concen: 10.778 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039699.D

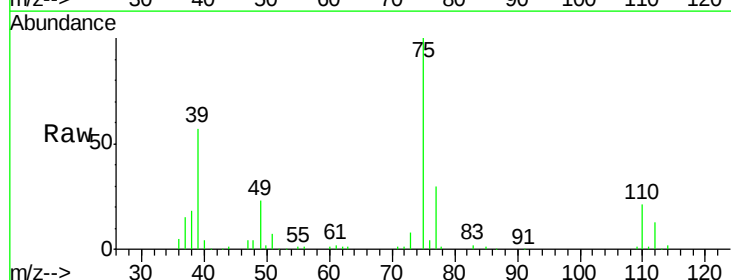
Acq: 29 Jul 2020 12:38

Tgt Ion: 75 Resp: 87903

Ion Ratio Lower Upper

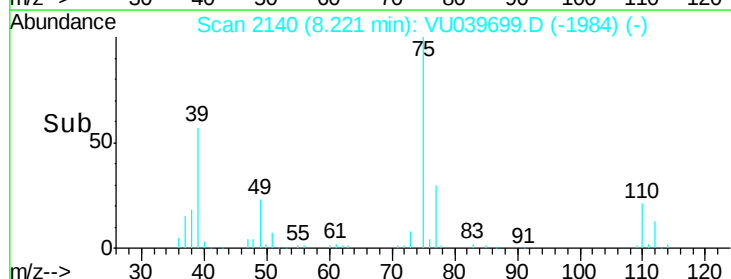
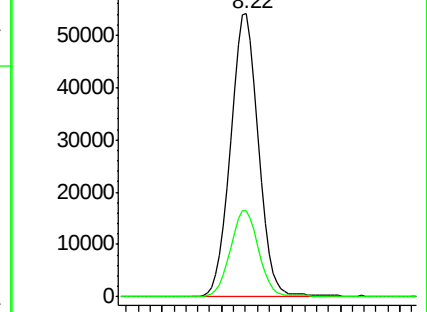
75 100

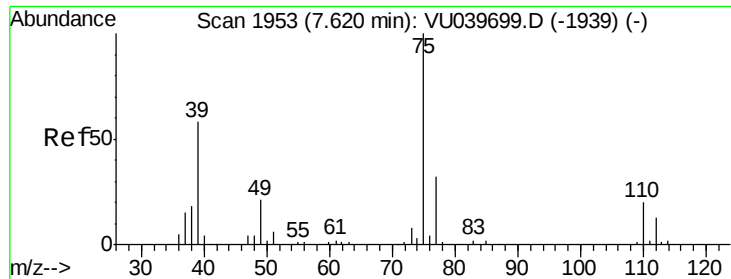
77 30.4 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-2126) (-)





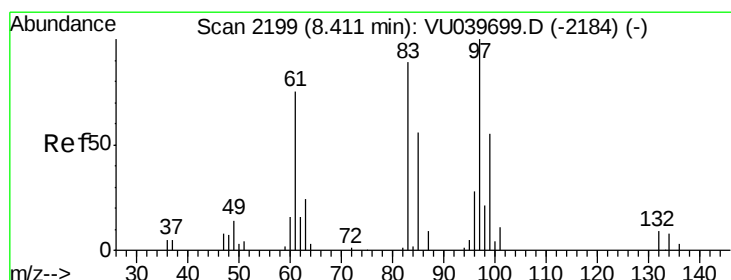
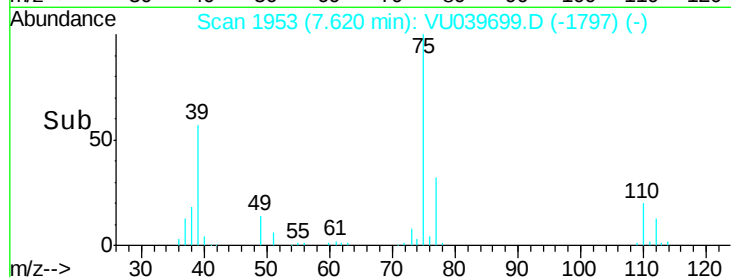
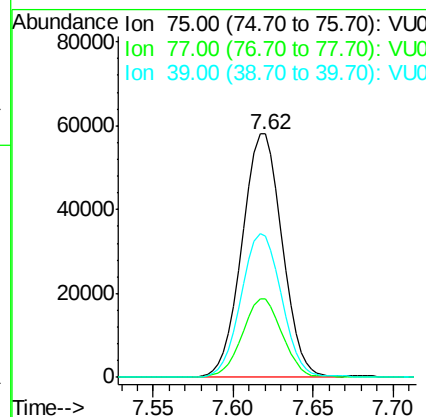
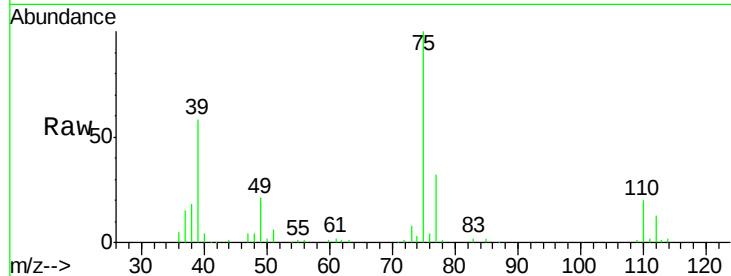
#51
 cis-1,3-Dichloropropene
 Concen: 10.255 ug/l
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	57.6	46.1	69.1

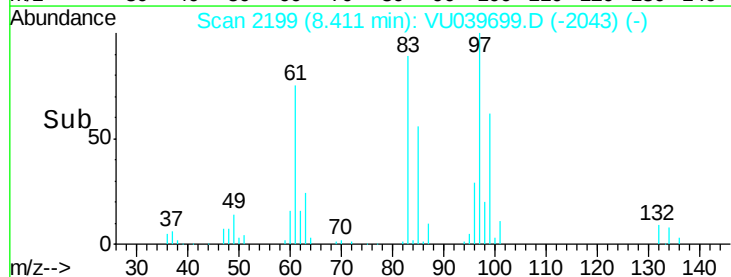
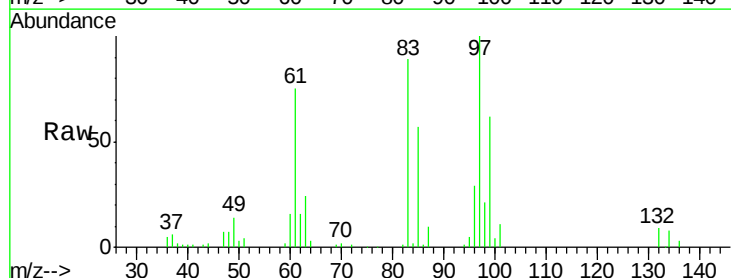
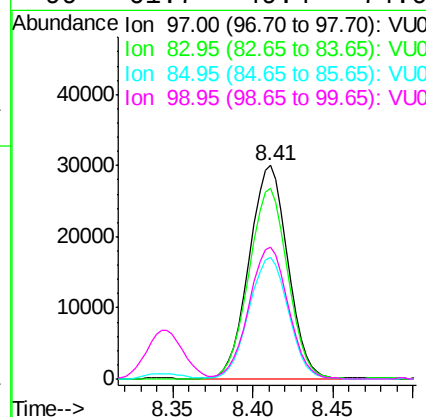
Manual Integrations
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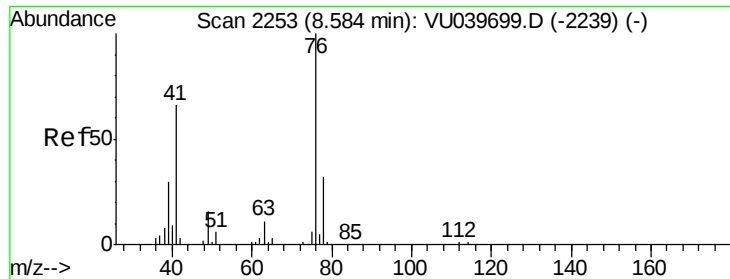
MMDadoda
 7/31/2020 3:43:01 PM



#52
 1,1,2-Trichloroethane
 Concen: 10.943 ug/l
 RT: 8.41 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.3	106.9
85	56.8	45.4	68.2
99	61.7	49.4	74.0





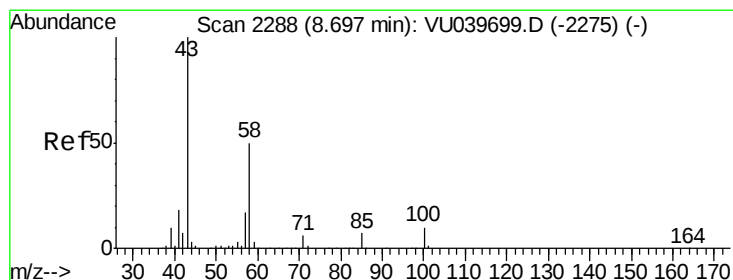
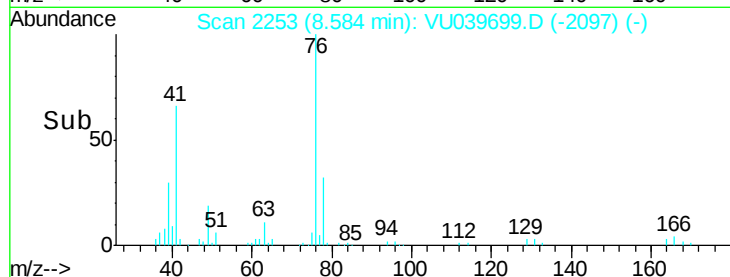
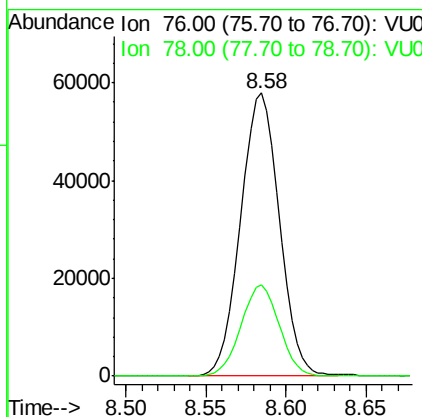
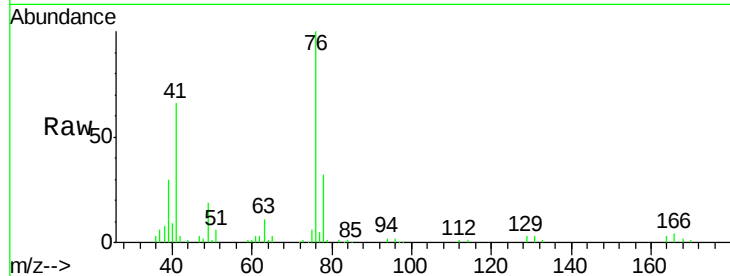
#53
 1,3-Dichloropropane
 Concen: 11.199 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.4	38.2

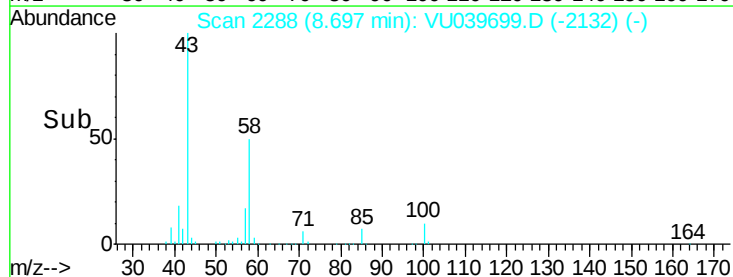
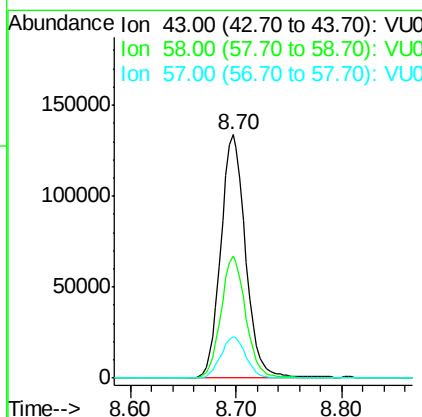
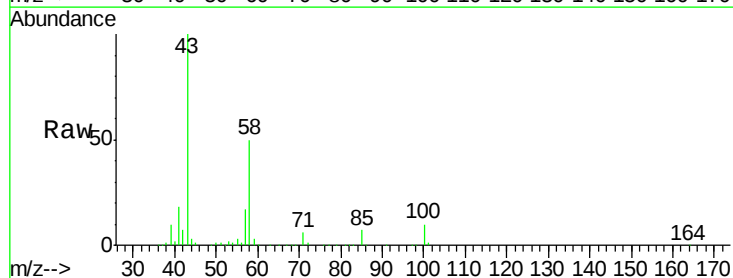
Manual Integrations
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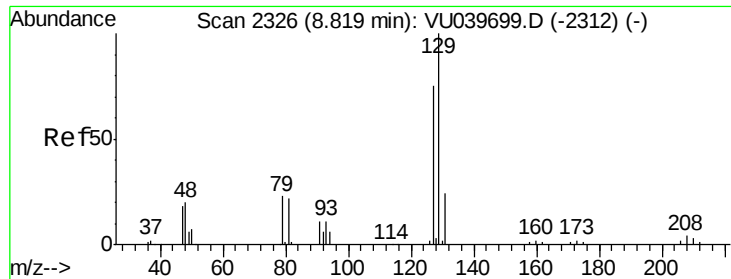
MMDadoda
 7/31/2020 3:43:01 PM



#54
 2-Hexanone
 Concen: 67.252 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.9	29.9	69.9
57	17.2	0.0	37.2





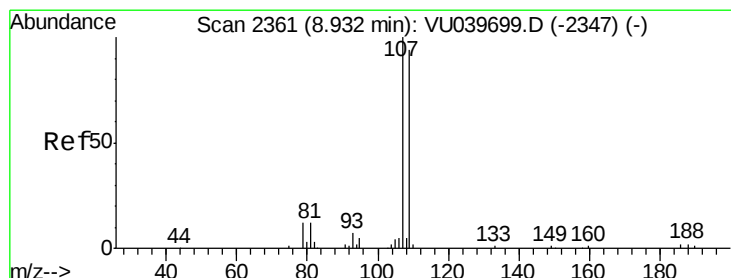
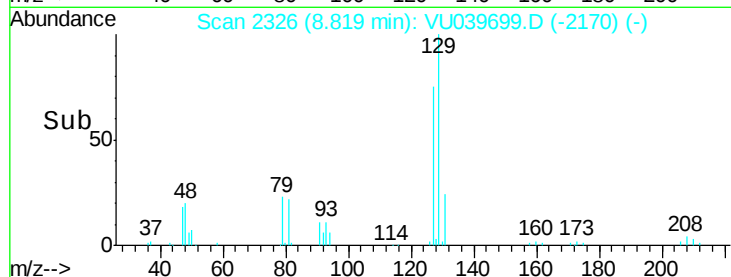
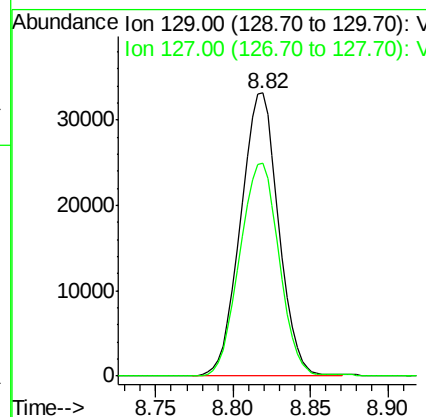
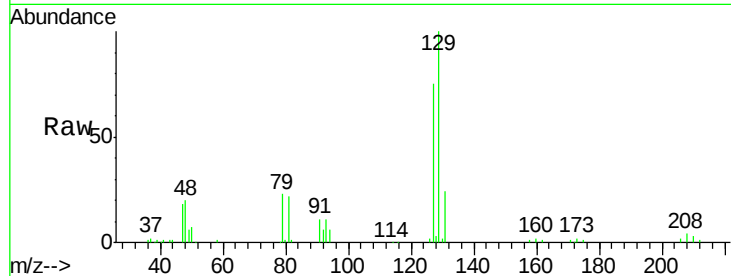
#55
Dibromochloromethane
Concen: 11.237 ug/l
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.0	62.4	93.6

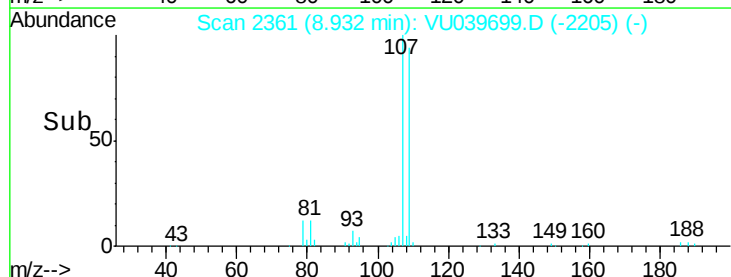
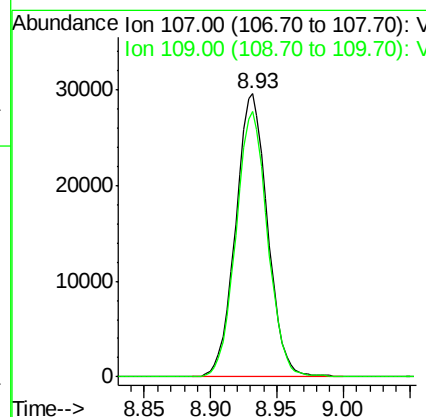
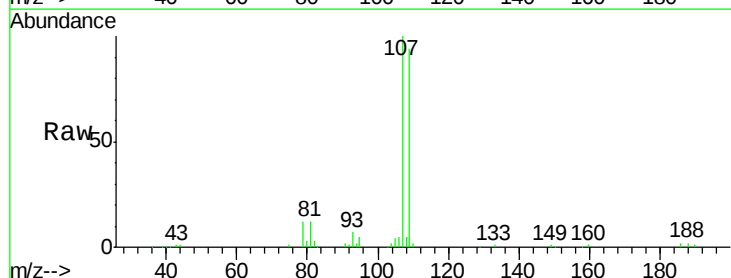
Manual Integrations
APPROVED

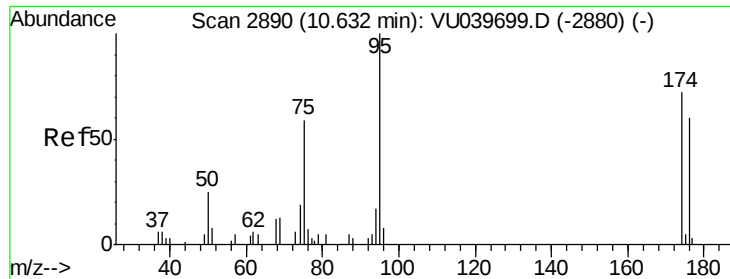
MMDadoda
7/31/2020 3:43:01 PM



#56
1,2-Dibromoethane
Concen: 11.415 ug/l
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	0.0	185.2





#57

4-Bromofluorobenzene

Concen: 1.040 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 95 Resp: 8595

Ion Ratio Lower Upper

95 100

174 71.2 57.0 85.4

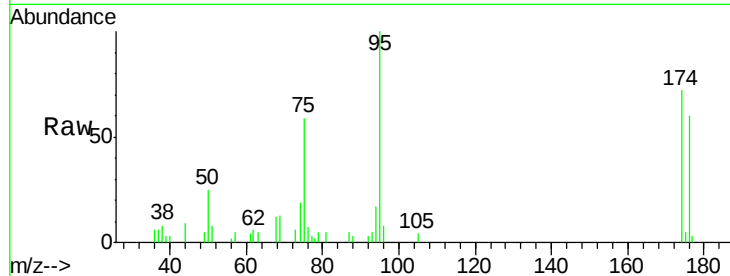
176 62.7 50.2 75.2

Manual Integrations

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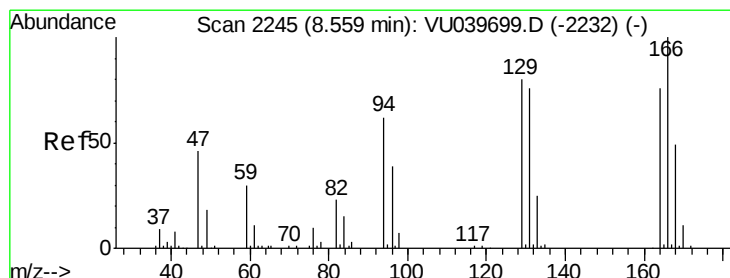
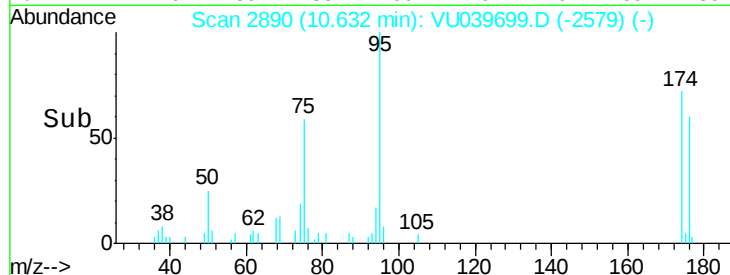
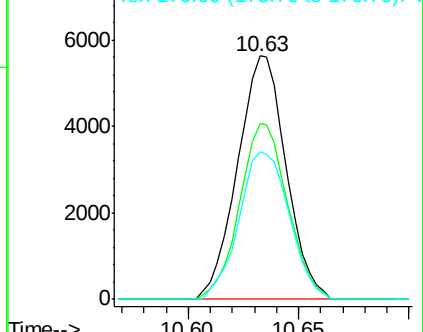
7/31/2020 3:43:01 PM



Abundance Ion 95.00 (94.70 to 95.70): VU039699.D (-2880) (-)

Ion 174.00 (173.70 to 174.70): VU039699.D (-2880) (-)

Ion 176.00 (175.70 to 176.70): VU039699.D (-2880) (-)



#58

Tetrachloroethene

Concen: 8.602 ug/l

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Tgt Ion: 164 Resp: 51336

Ion Ratio Lower Upper

164 100

166 131.0 104.8 157.2

129 105.1 84.1 126.1

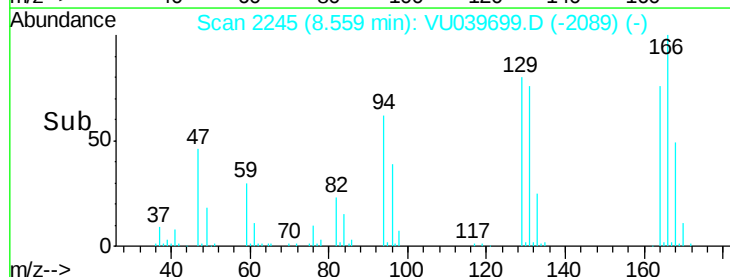
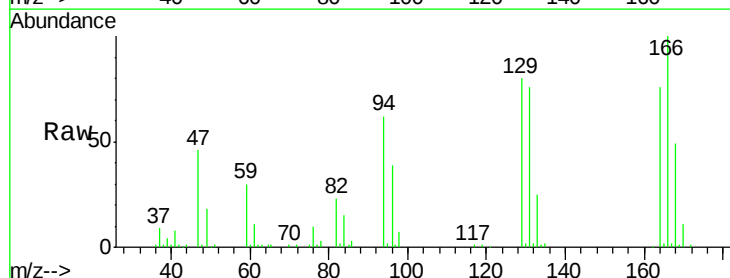
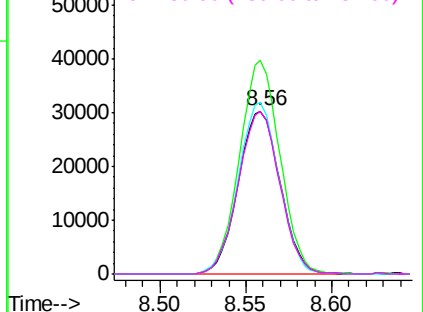
131 100.1 80.1 120.1

Abundance Ion 163.85 (163.55 to 164.55): VU039699.D (-2232) (-)

Ion 165.80 (165.50 to 166.50): VU039699.D (-2232) (-)

Ion 128.90 (128.60 to 129.60): VU039699.D (-2232) (-)

Ion 130.90 (130.60 to 131.60): VU039699.D (-2232) (-)





#59

Chlorobenzene

Concen: 9.908 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:112 Resp: 166401

Ion Ratio Lower Upper

112 100

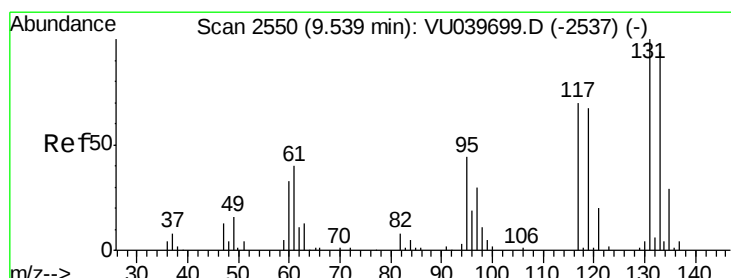
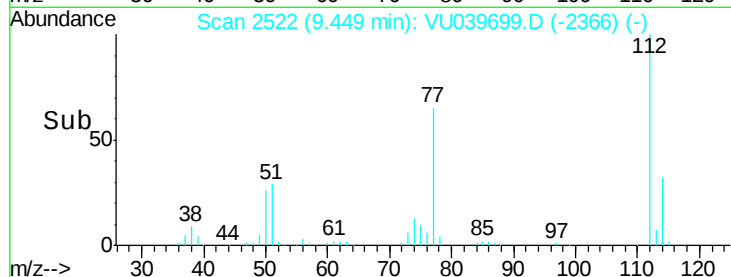
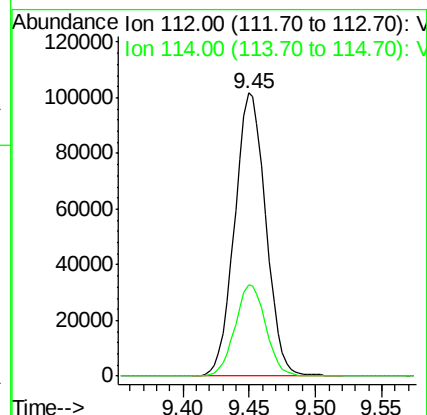
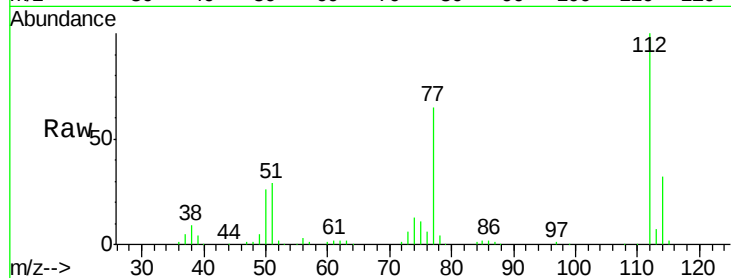
114 32.2 25.8 38.6

Manual Integrations

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7/31/2020 3:43:01 PM



#60

1,1,1,2-Tetrachloroethane

Concen: 10.770 ug/l

RT: 9.54 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

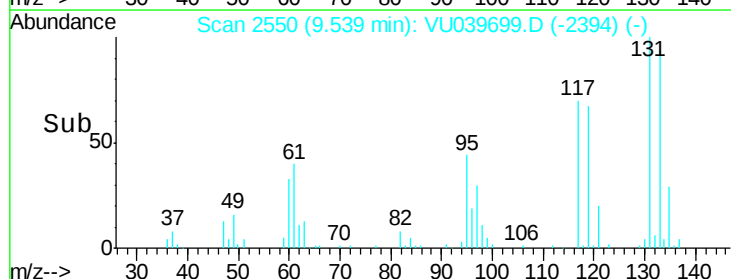
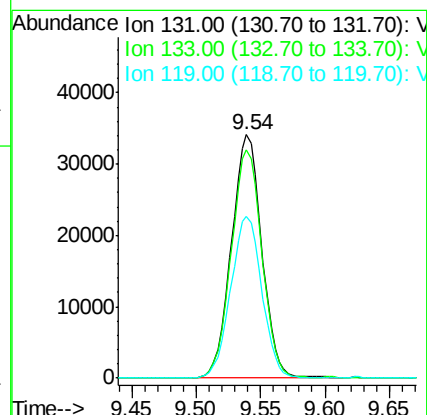
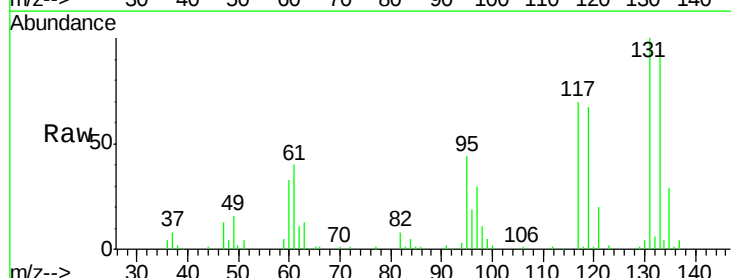
Tgt Ion:131 Resp: 55678

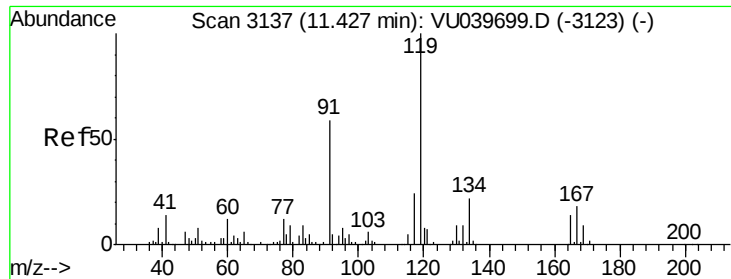
Ion Ratio Lower Upper

131 100

133 94.8 75.8 113.8

119 68.2 54.6 81.8





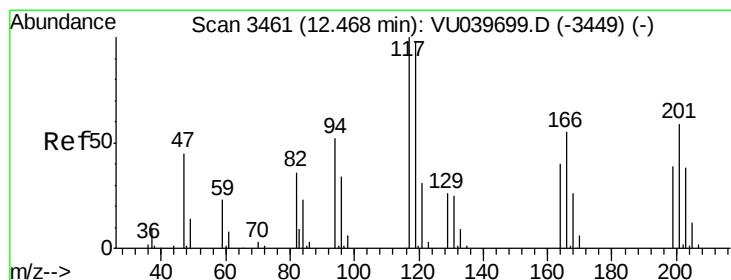
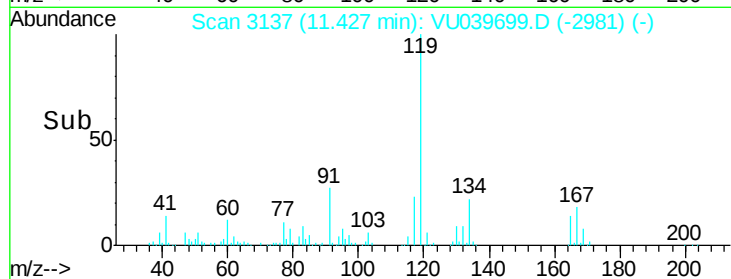
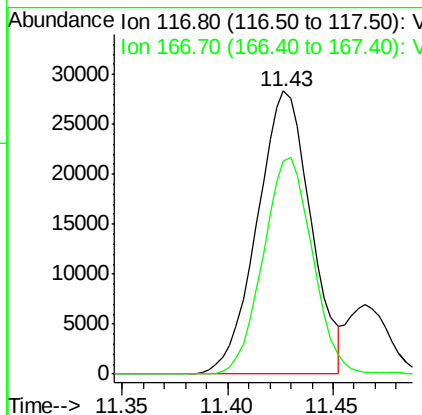
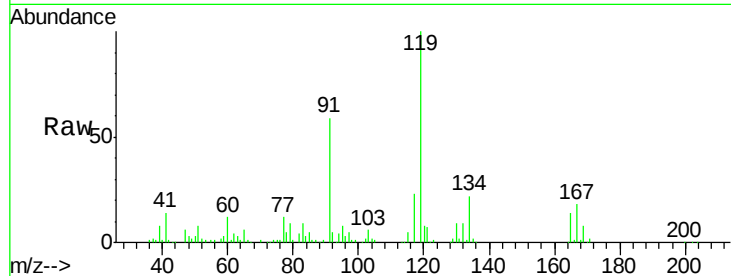
#61
 Pentachloroethane
 Concen: 12.510 ug/l
 RT: 11.43 min Scan# 3137
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:117 Resp: 50060
 Ion Ratio Lower Upper
 117 100
 167 70.8 56.6 85.0

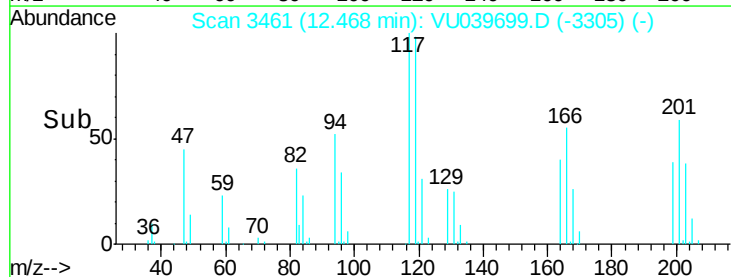
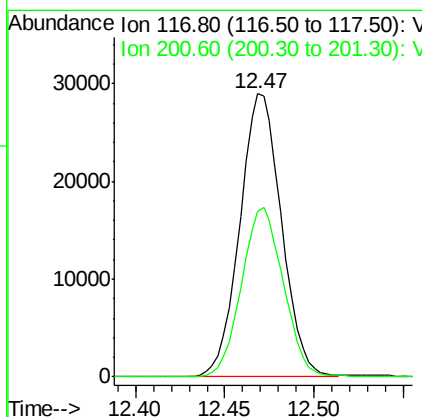
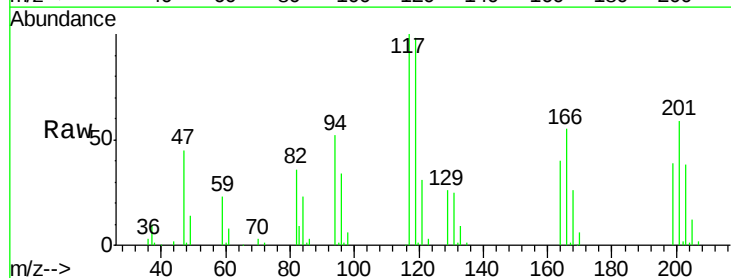
Manual Integrations
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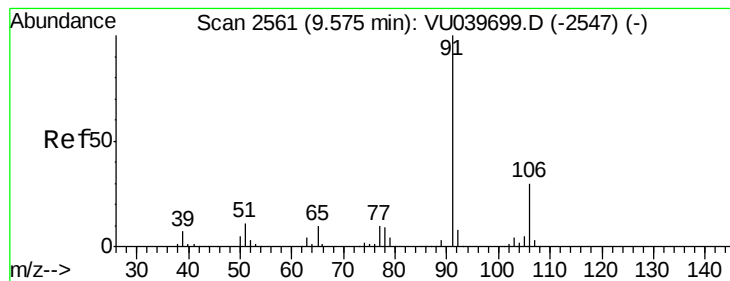
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#62
 Hexachloroethane
 Concen: 11.543 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion:117 Resp: 47316
 Ion Ratio Lower Upper
 117 100
 201 60.1 48.1 72.1





#63

Ethyl Benzene

Concen: 10.422 ug/l

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 313466

Ion Ratio Lower Upper

91 100

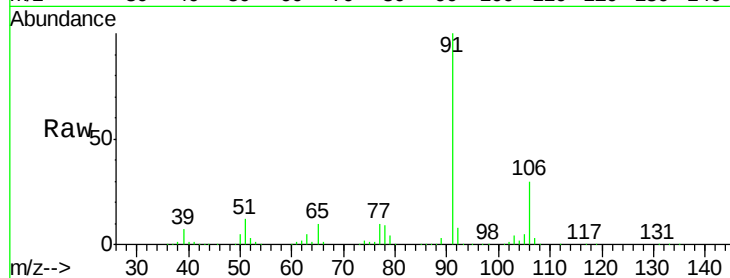
106 30.3 24.2 36.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU039699.D (-2547) (-)

Ion 106.00 (105.70 to 106.70): VU039699.D (-2547) (-)

300000

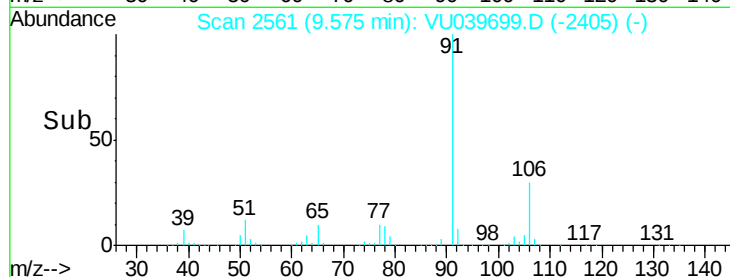
200000

100000

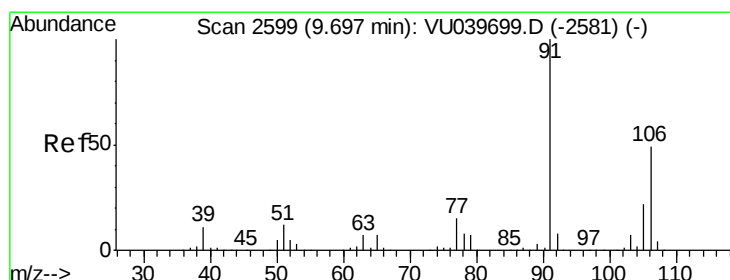
0

9.50 9.55 9.60 9.65

9.57



Time-->



#64

m/p-Xylenes

Concen: 21.295 ug/l

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039699.D

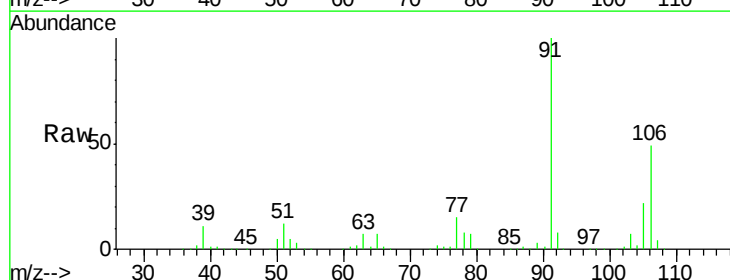
Acq: 29 Jul 2020 12:38

Tgt Ion: 106 Resp: 247331

Ion Ratio Lower Upper

106 100

91 204.9 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): VU039699.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VU039699.D (-2581) (-)

300000

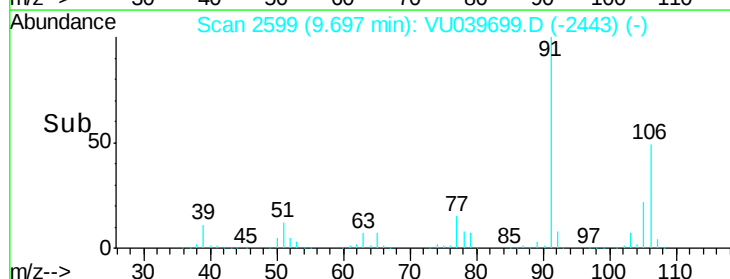
200000

100000

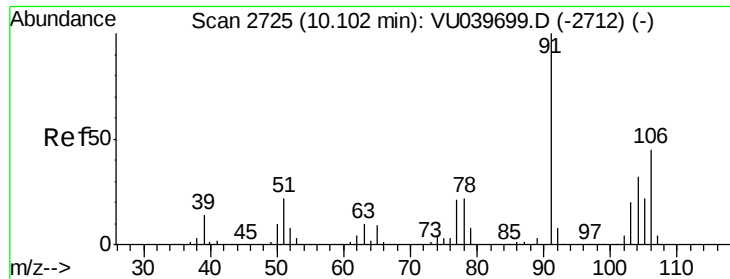
0

9.60 9.65 9.70 9.75

9.70



Time-->



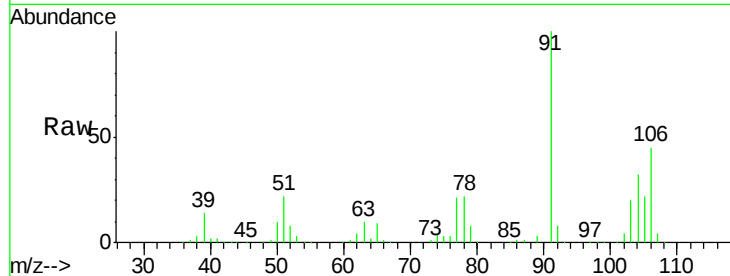
#65
o-Xylene
Concen: 10.226 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

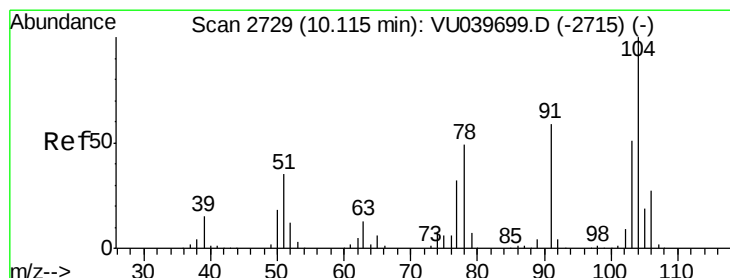
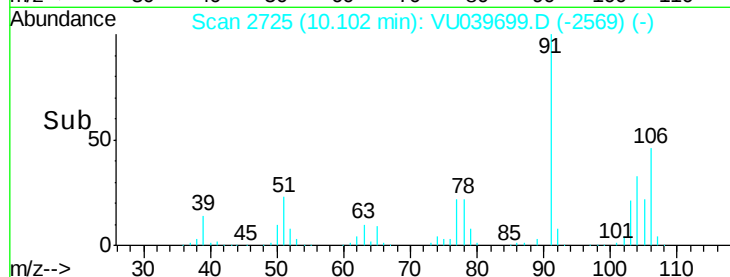
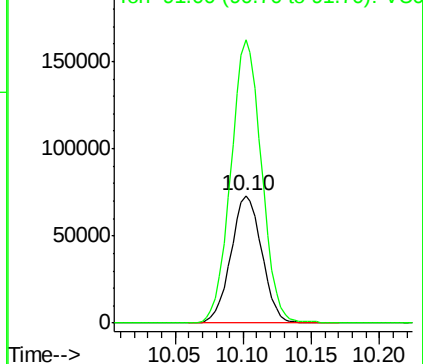
Tot Ion:106 Resp: 115109
Ion Ratio Lower Upper
106 100
91 220.7 110.3 331.0

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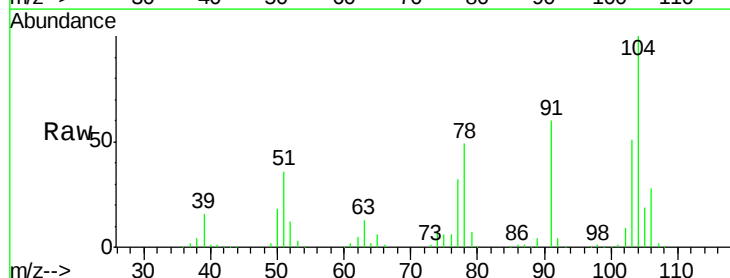


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

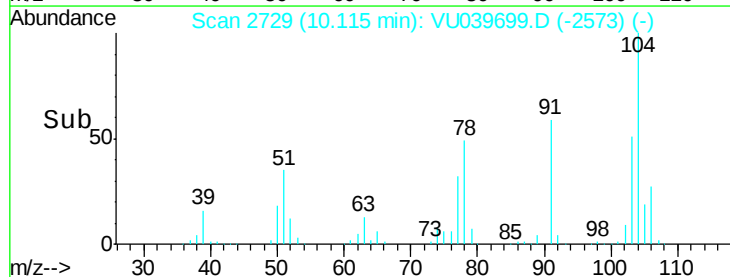
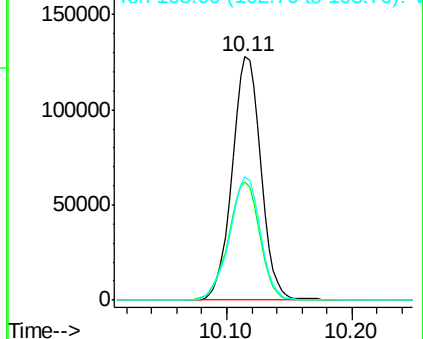


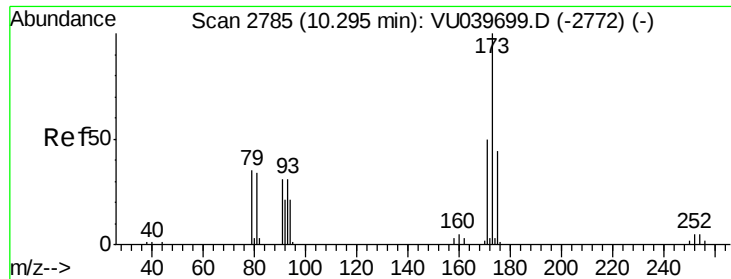
#66
Styrene
Concen: 10.882 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion:104 Resp: 203476
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.4
103 54.3 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





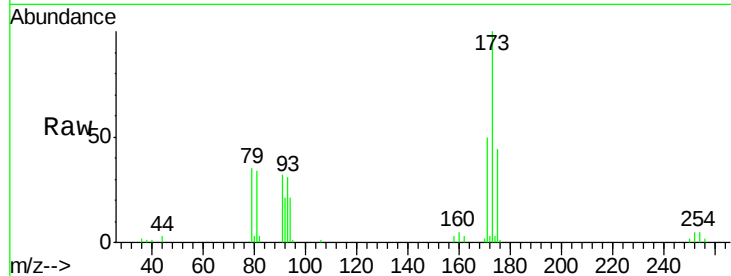
#67
Bromoform
Concen: 11.377 ug/l
RT: 10.29 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

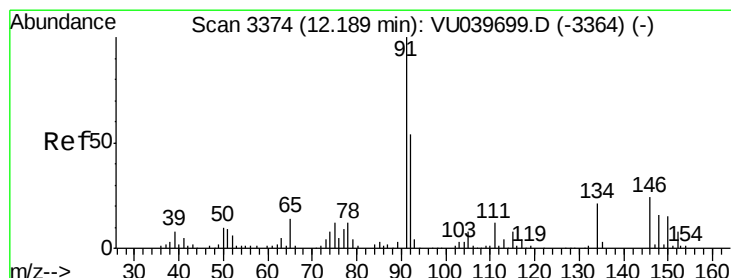
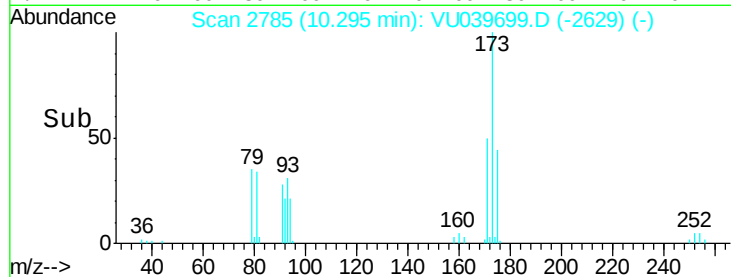
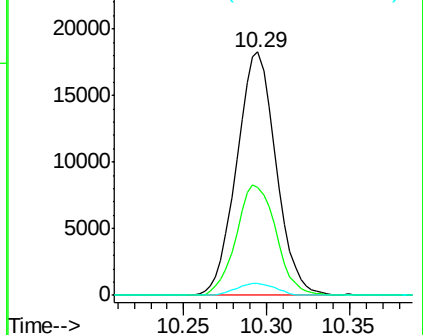
Tot Ion	Ratio	Lower	Upper
173	100		
175	45.9	36.7	55.1
254	4.8	3.8	5.8

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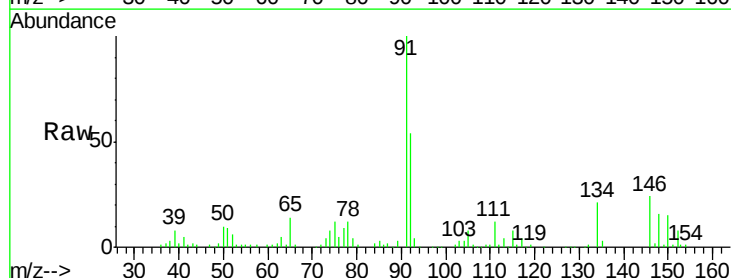


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

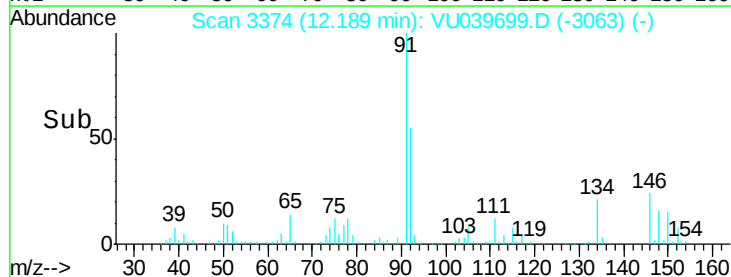
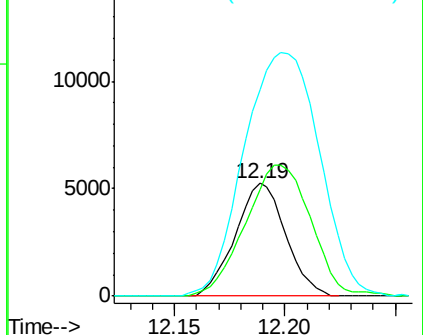


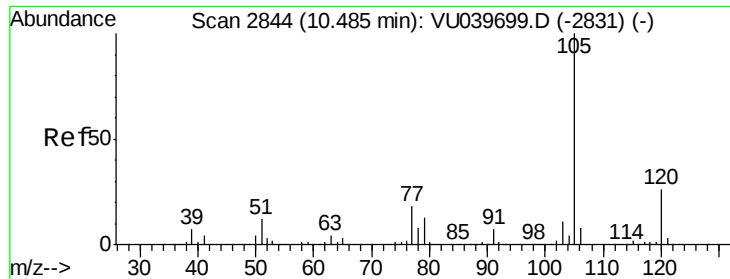
#68
1,2-Dichlorobenzene-d4
Concen: 1.035 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	151.2	0.0	302.4
150	322.9	0.0	645.8



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: 10.483 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 308857

Ion Ratio Lower Upper

105 100

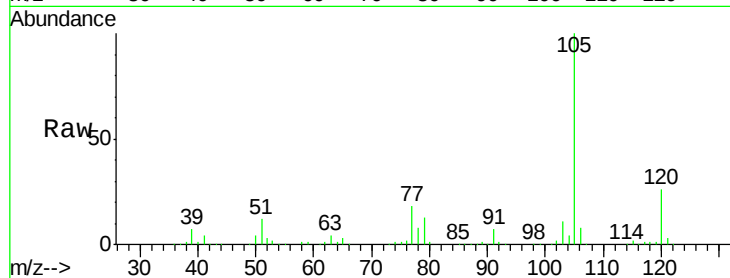
120 25.6 12.8 38.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.48

200000

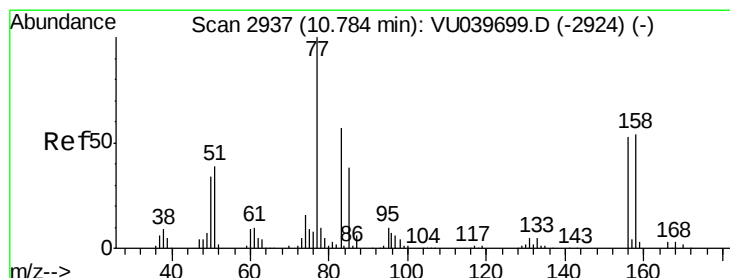
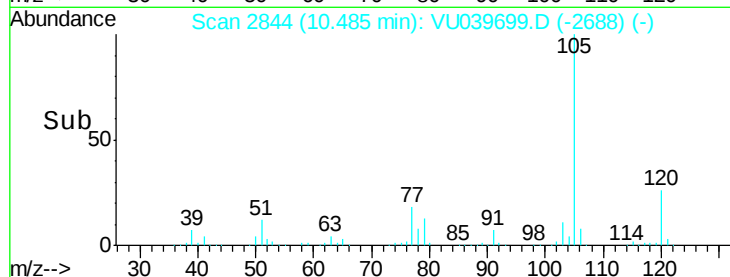
150000

100000

50000

0

Time--> 10.40 10.45 10.50 10.55



#70

1,1,2,2-Tetrachloroethane

Concen: 12.372 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

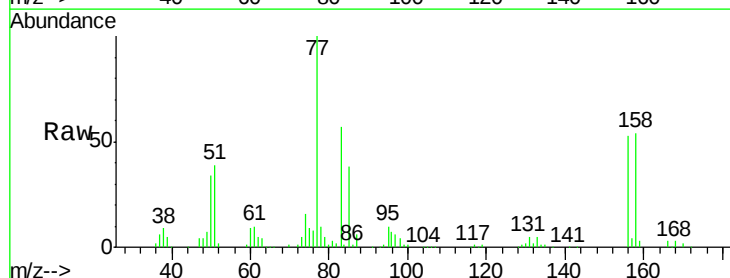
Tgt Ion: 83 Resp: 74055

Ion Ratio Lower Upper

83 100

131 8.8 7.0 10.6

85 63.2 50.6 75.8



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

10.78

60000

50000

40000

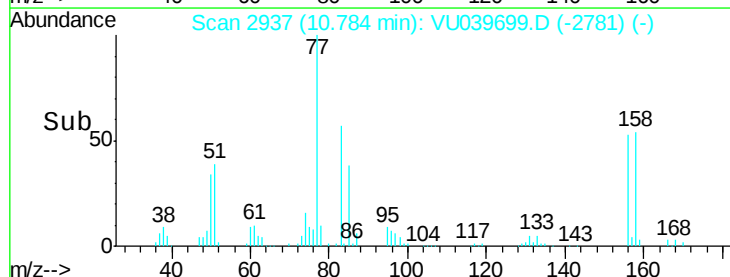
30000

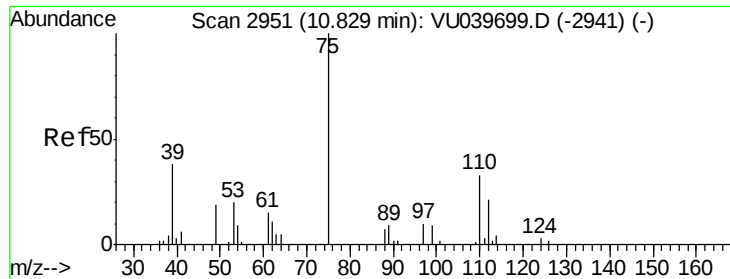
20000

10000

0

Time--> 10.70 10.80 10.90





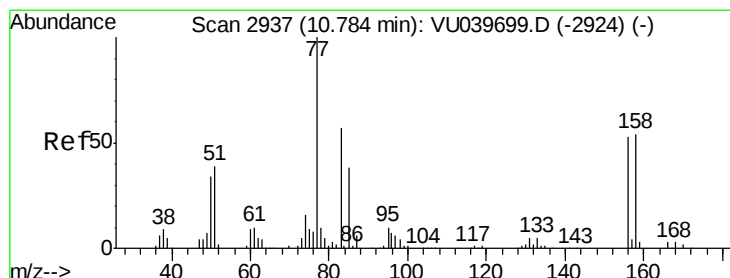
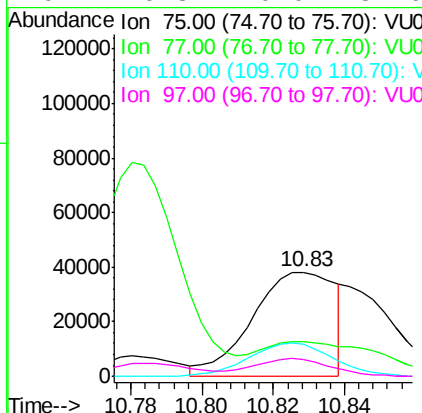
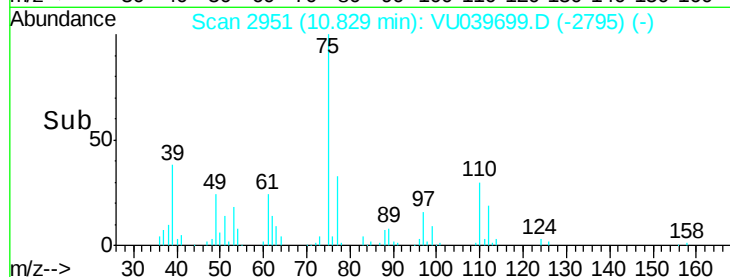
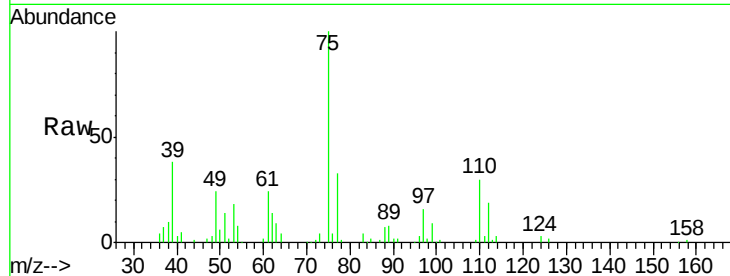
#71
 1,2,3-Trichloropropane
 Concen: 13.734 ug/l m
 RT: 10.83 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	45.5	0.0	91.0
110	110	32.1	0.0	64.2
97	97	16.3	0.0	32.6

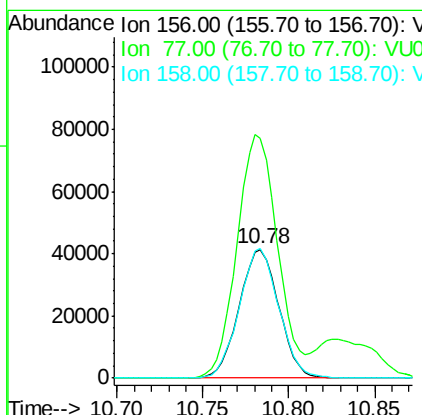
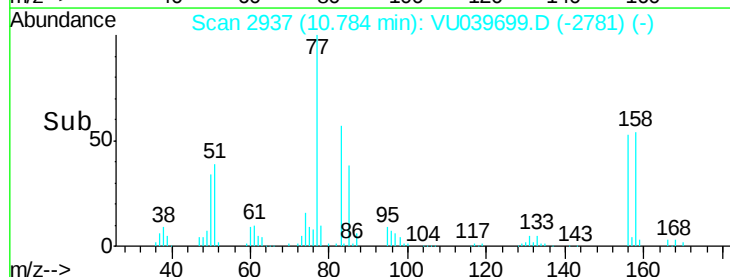
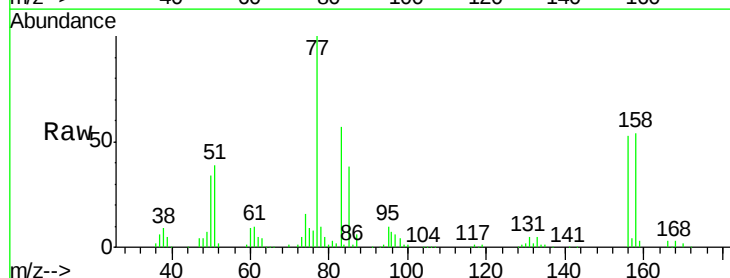
Manual Integrations
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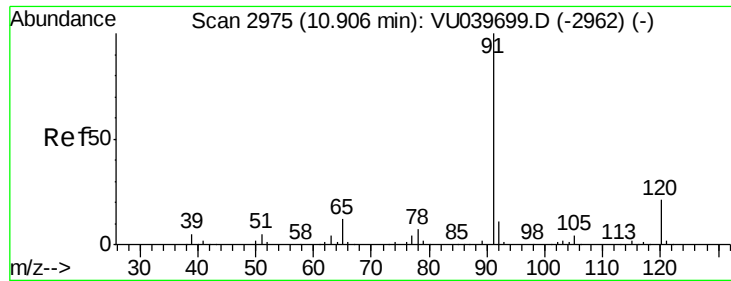
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#72
 Bromobenzene
 Concen: 10.164 ug/l
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	192.6	0.0	385.2
158	158	100.4	0.0	200.8





#73

n-propylbenzene

Concen: 10.748 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:120 Resp: 87081

Ion Ratio Lower Upper

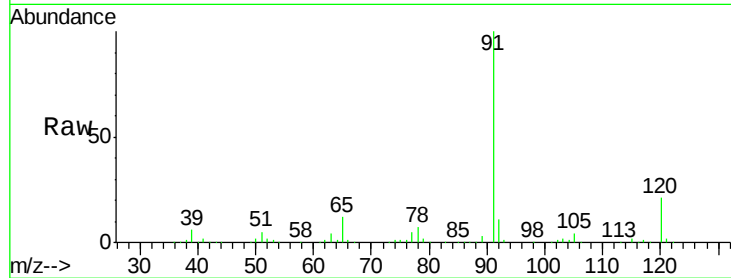
120 100

91 464.6 371.7 557.5

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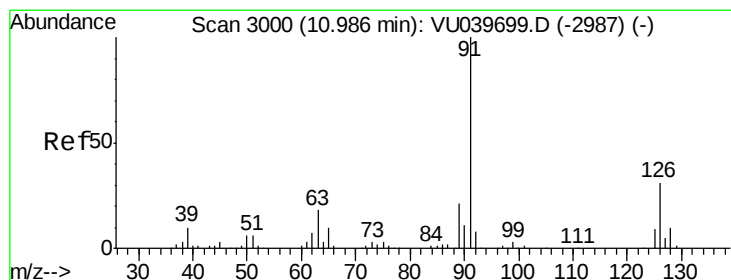
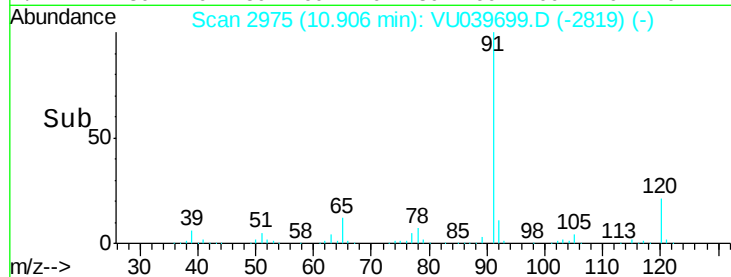
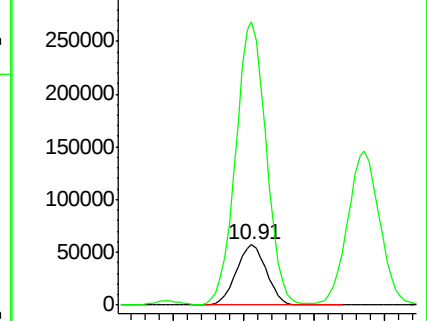
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.432 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. 0.00 min

Lab File: VU039699.D

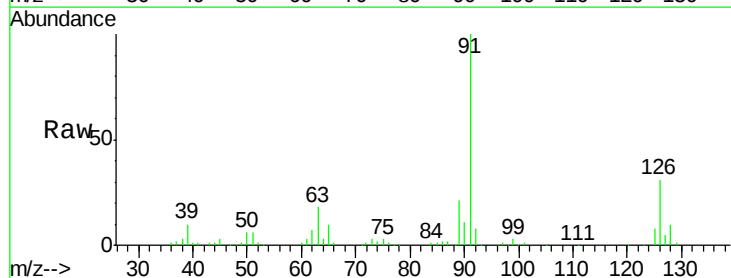
Acq: 29 Jul 2020 12:38

Tgt Ion:126 Resp: 70977

Ion Ratio Lower Upper

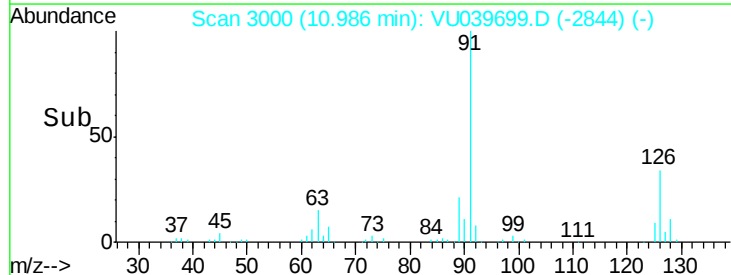
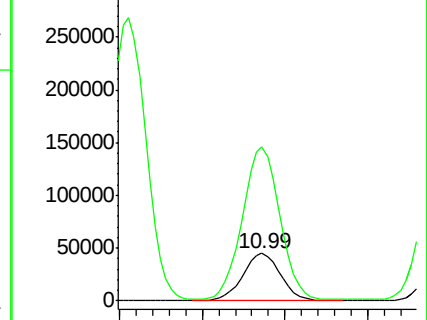
126 100

91 318.5 0.0 637.0



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: 11.172 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 276020

Ion Ratio Lower Upper

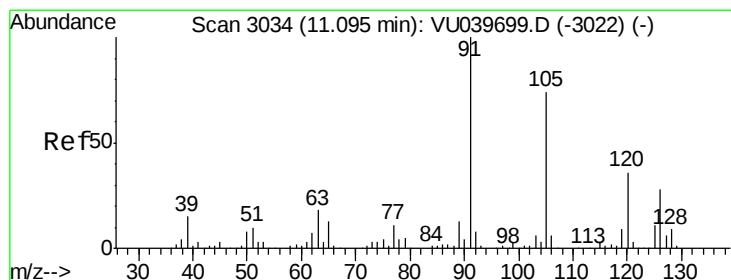
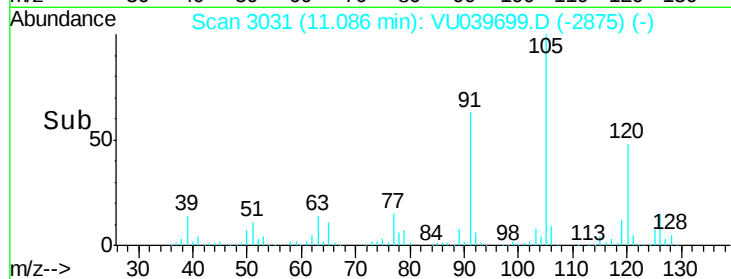
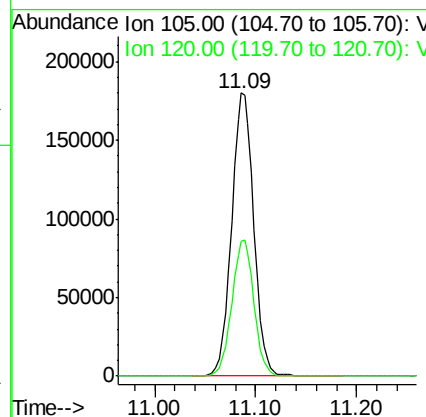
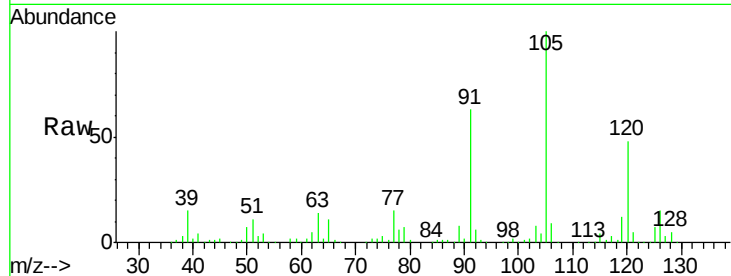
105 100

120 47.5 38.0 57.0

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#76

4-Chlorotoluene

Concen: 10.682 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. 0.00 min

Lab File: VU039699.D

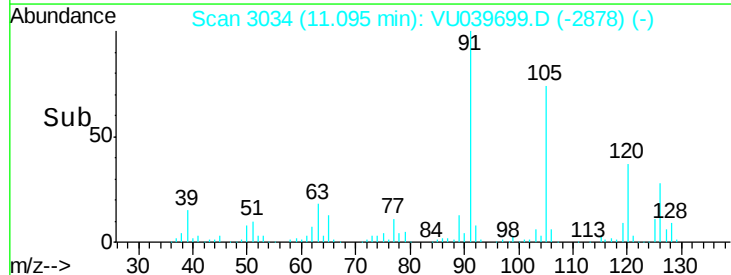
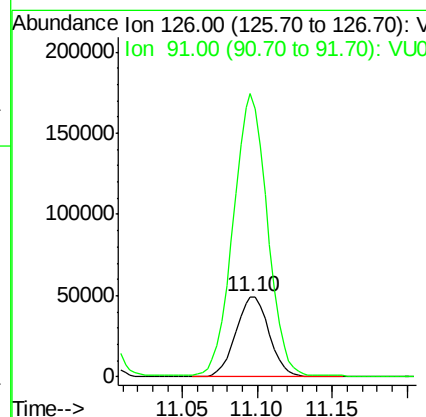
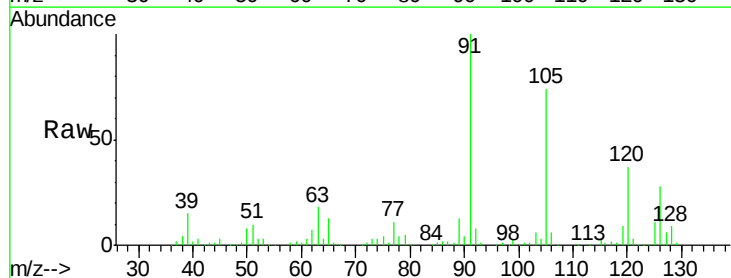
Acq: 29 Jul 2020 12:38

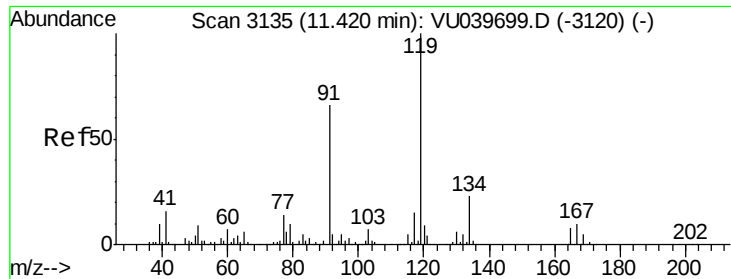
Tgt Ion:126 Resp: 75685

Ion Ratio Lower Upper

126 100

91 366.1 0.0 732.2





#77

tert-Butylbenzene

Concen: 10.995 ug/l

RT: 11.42 min Scan# 3135

Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Instrument :

MSVOA_U

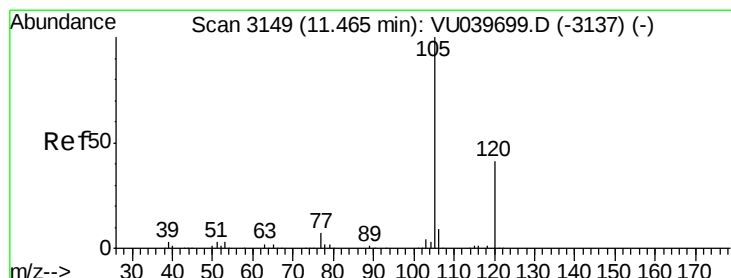
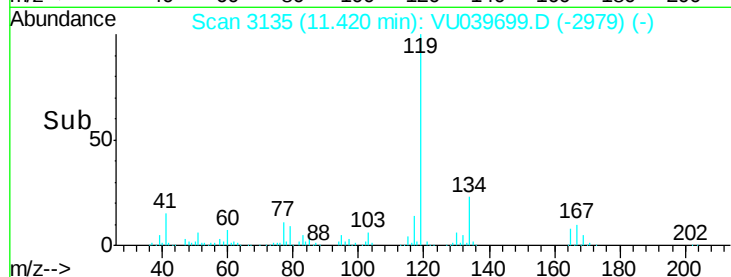
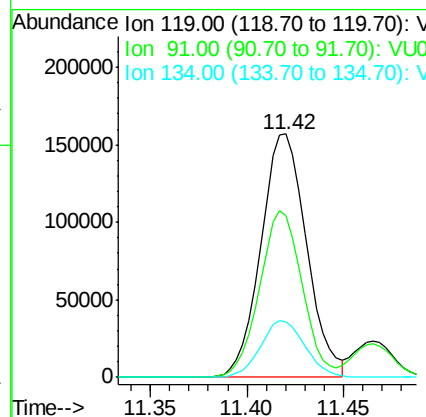
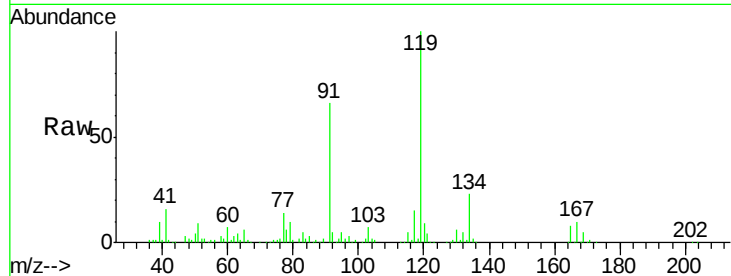
ClientSampleId :

VSTDICCC010

Tot Ion:	119	Resp:	257977
Ion Ratio	Lower	Upper	
119	100		
91	63.7	31.9	95.5
134	22.8	18.2	27.4

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#78

1,2,4-Trimethylbenzene

Concen: 11.170 ug/l

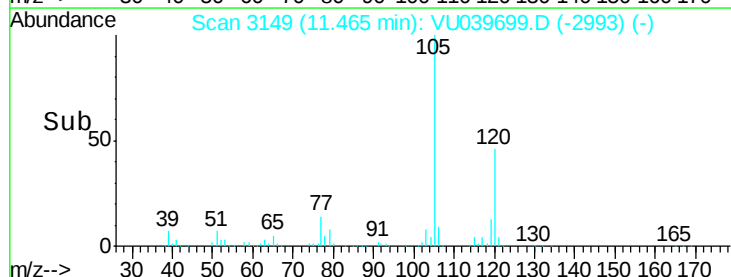
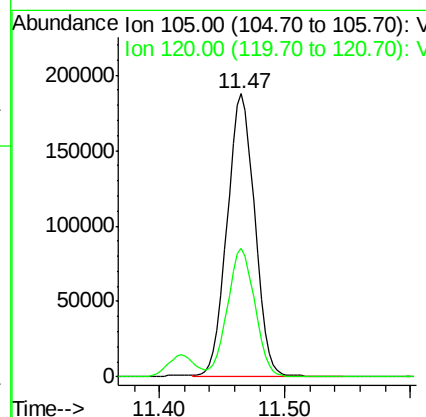
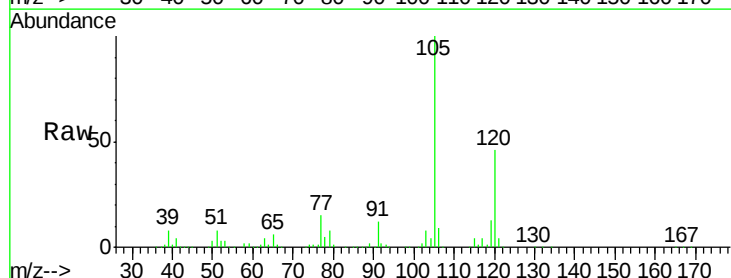
RT: 11.47 min Scan# 3149

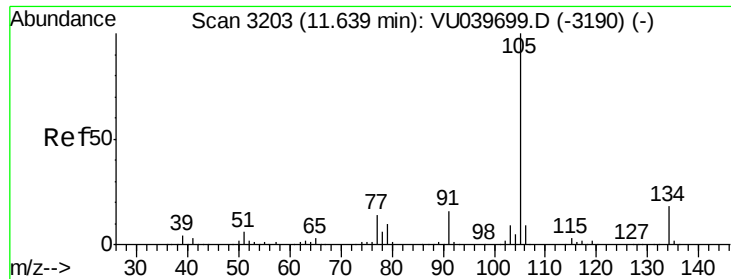
Delta R.T. 0.00 min

Lab File: VU039699.D

Acq: 29 Jul 2020 12:38

Tgt Ion:	105	Resp:	284226
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.7	68.0





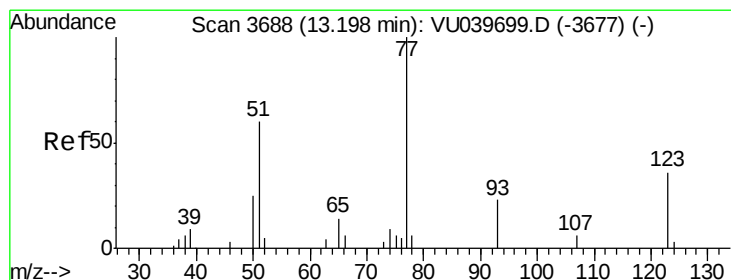
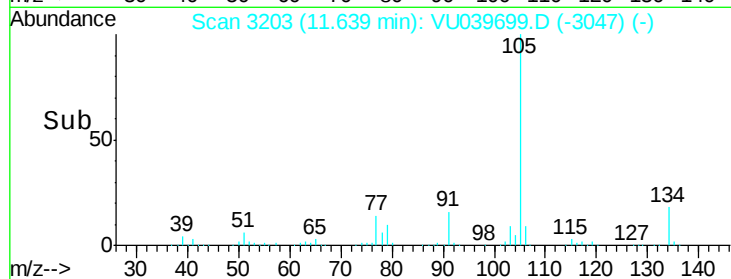
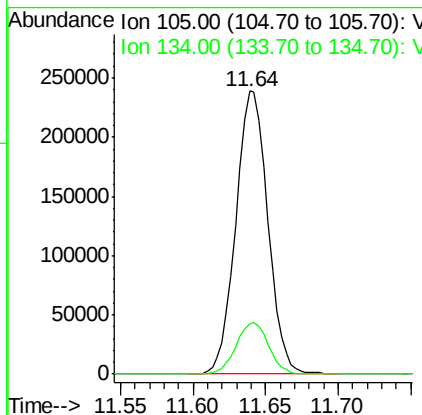
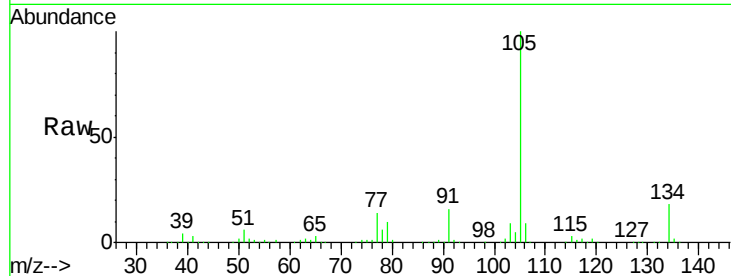
#79
 sec-Butylbenzene
 Concen: 10.930 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDICCC010

Tot Ion: 105 Resp: 366590
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.8 22.2

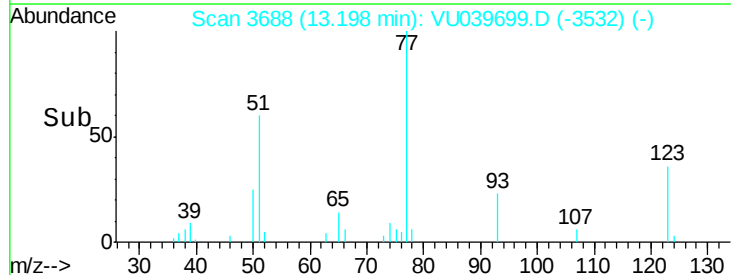
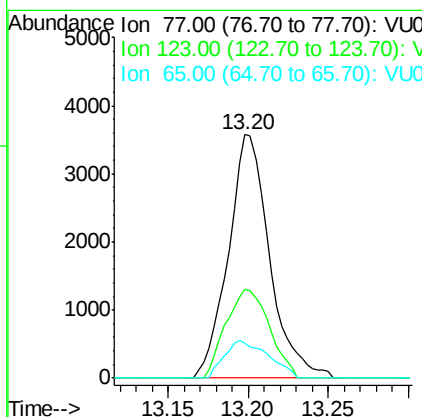
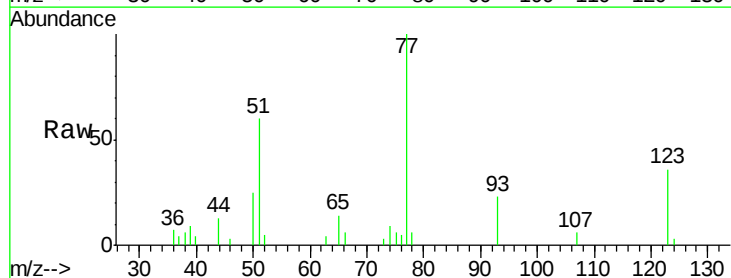
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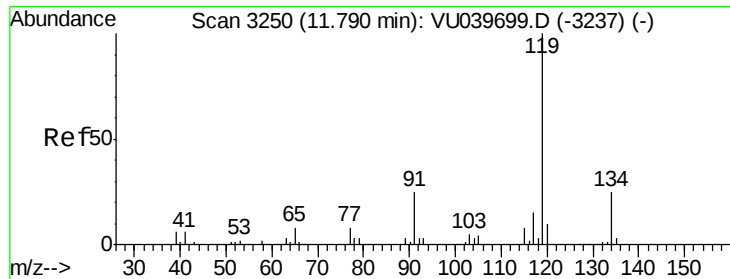
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#80
 Nitrobenzene
 Concen: 38.621 ug/l
 RT: 13.20 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion: 77 Resp: 6279
 Ion Ratio Lower Upper
 77 100
 123 38.4 16.9 59.9
 65 16.4 14.4 18.4





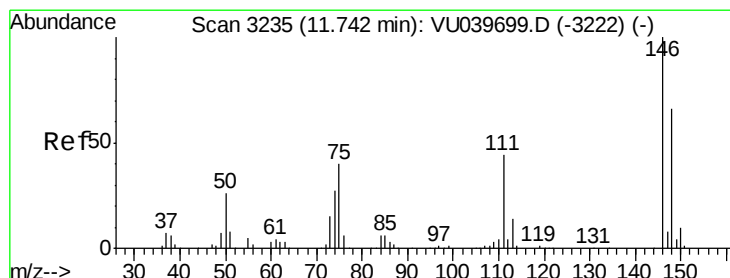
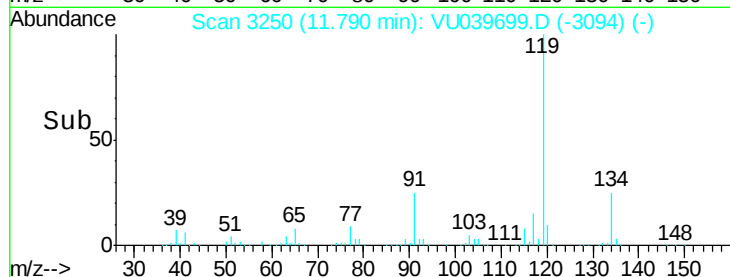
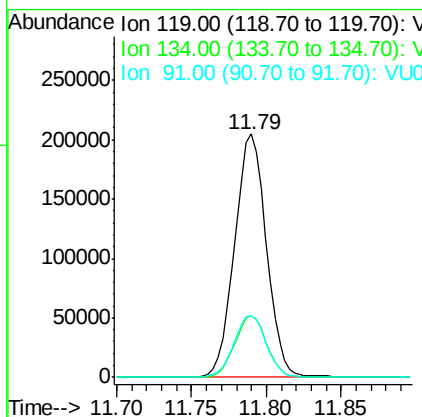
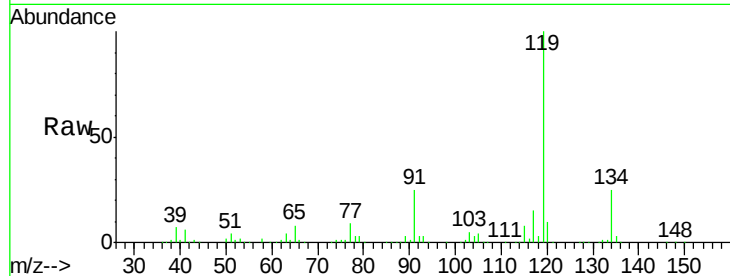
#81
 p-Isopropyltoluene
 Concen: 11.114 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	25.9	20.7	31.1

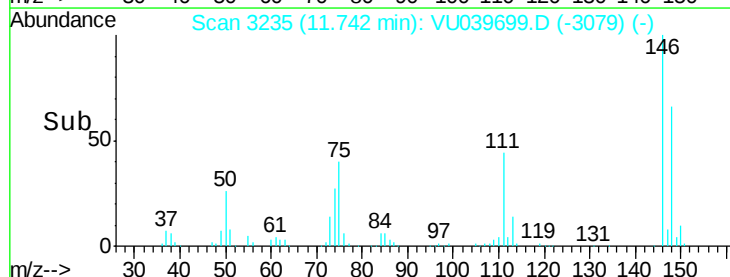
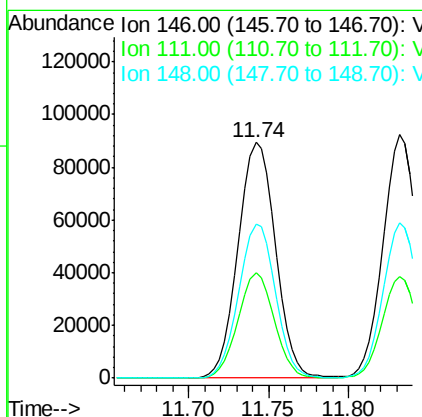
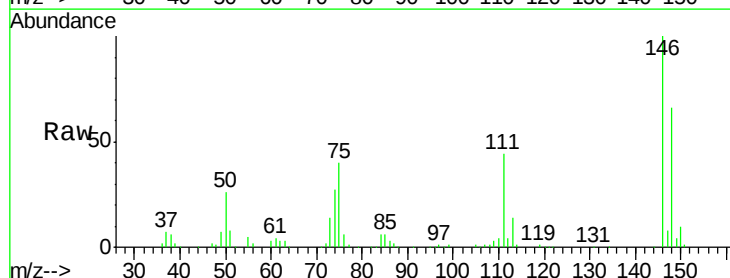
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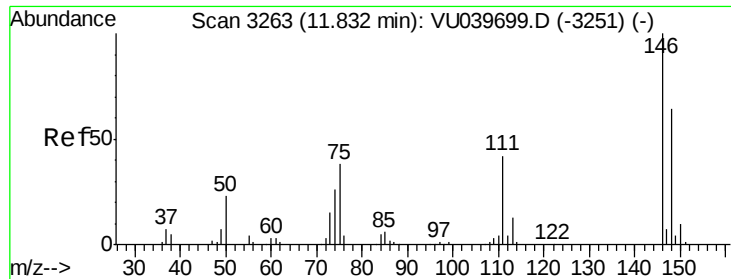
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#82
 1,3-Dichlorobenzene
 Concen: 10.439 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	34.5	51.7
148	64.2	51.4	77.0





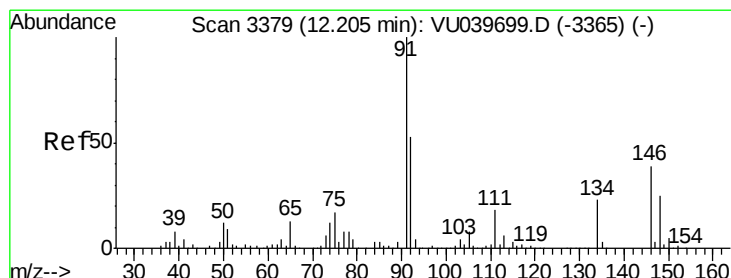
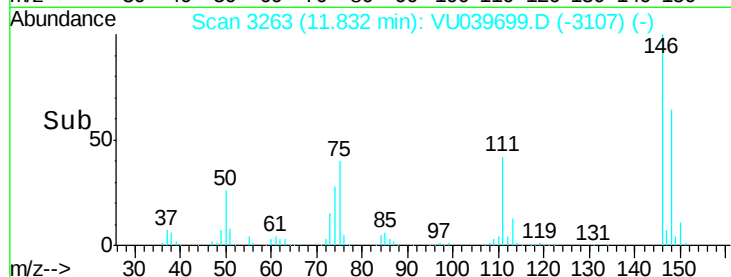
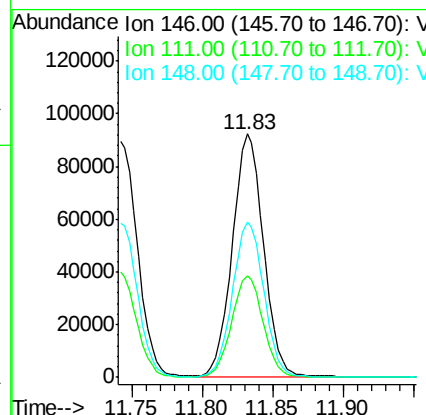
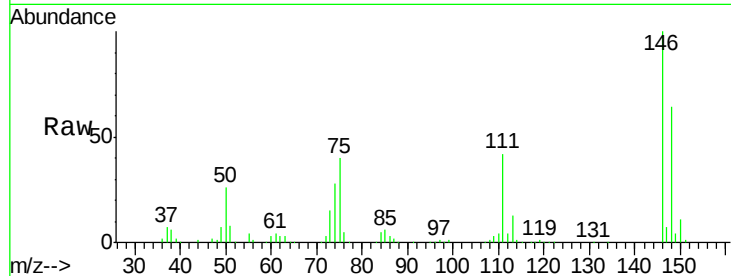
#83
 1,4-Dichlorobenzene
 Concen: 10.292 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	33.8	50.6
148	63.9	51.1	76.7

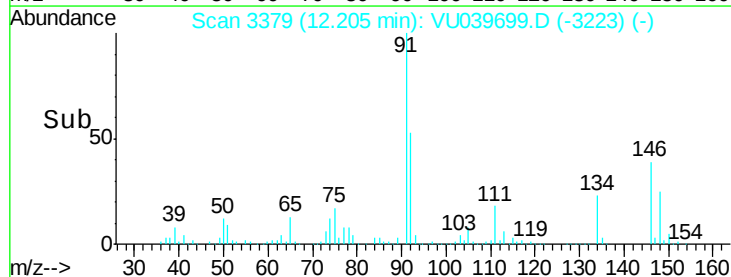
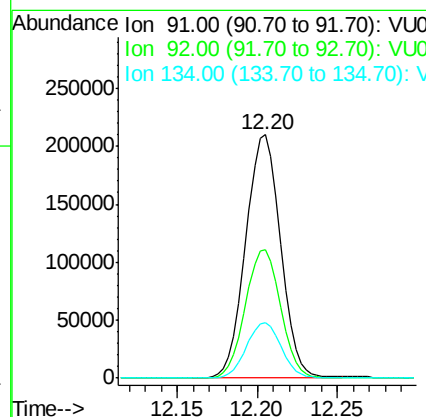
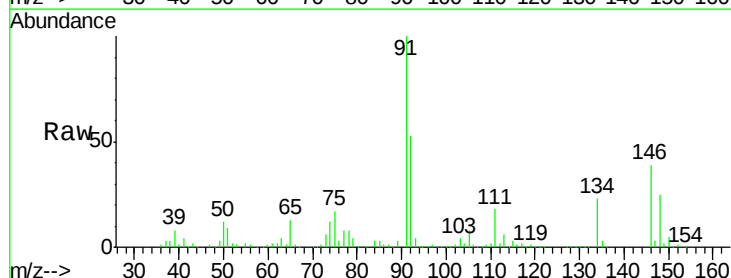
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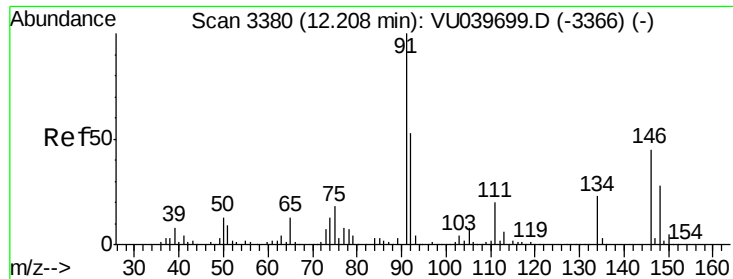
MMDadoda
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#84
 n-Butylbenzene
 Concen: 11.517 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.6	64.0
134	22.8	18.2	27.4





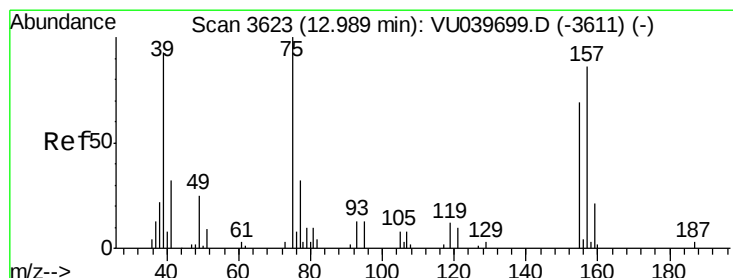
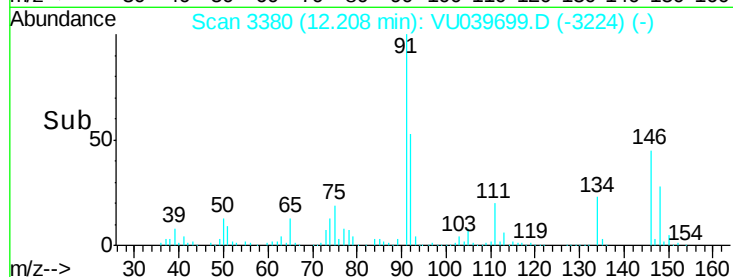
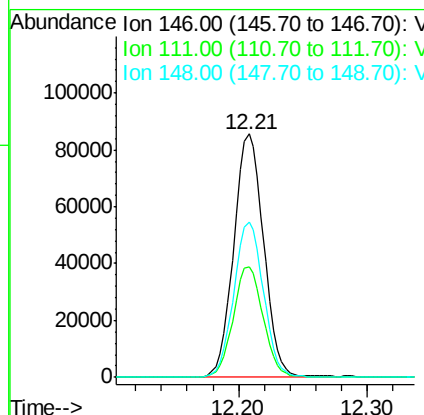
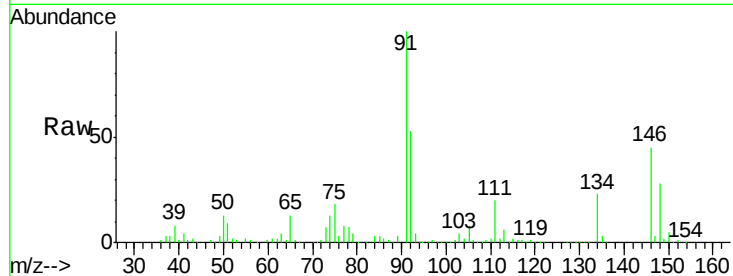
#85
 1,2-Dichlorobenzene
 Concen: 10.761 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.8	68.3
148	63.4	31.7	95.1

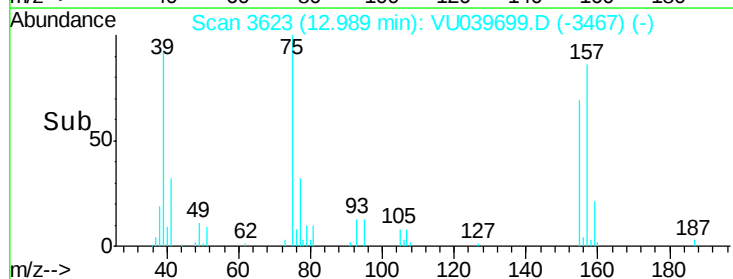
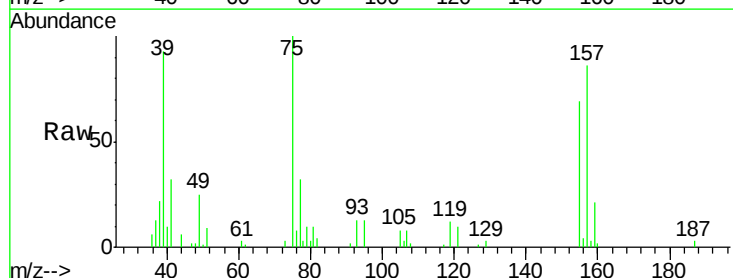
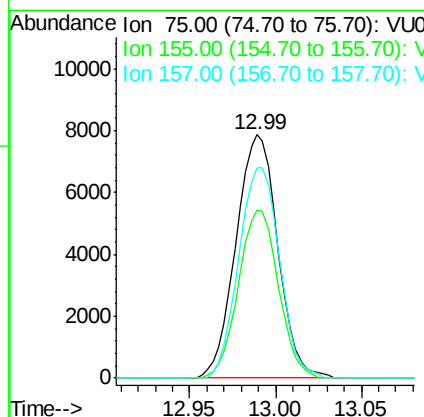
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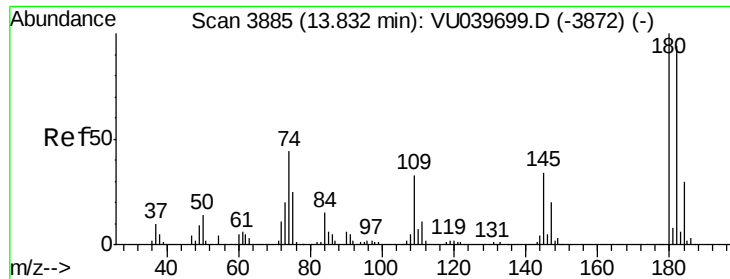
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 13.594 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.1	52.9	79.3
157	84.7	67.8	101.6





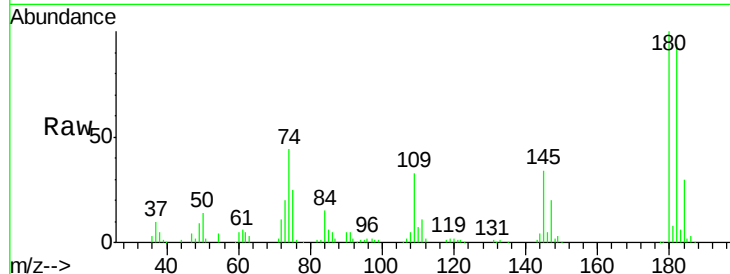
#87
 1,2,4-Trichlorobenzene
 Concen: 9.708 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

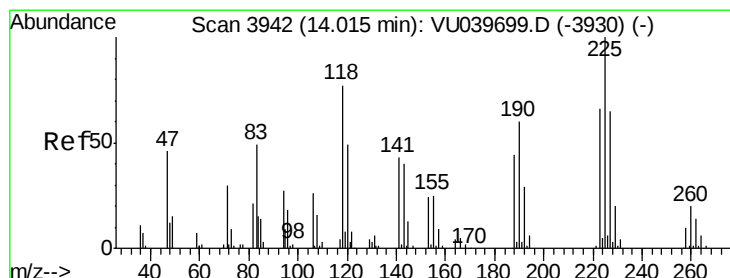
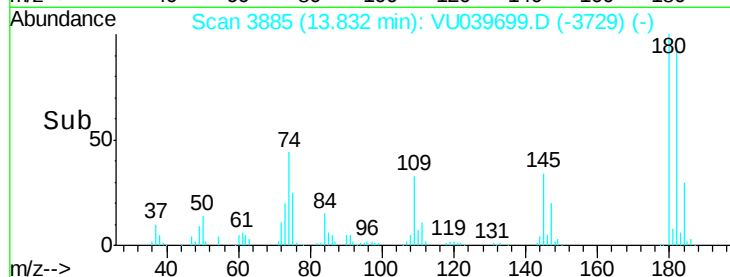
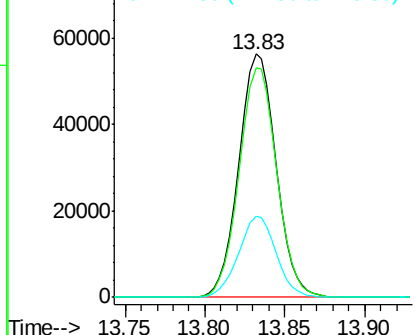
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	33.5	26.8	40.2

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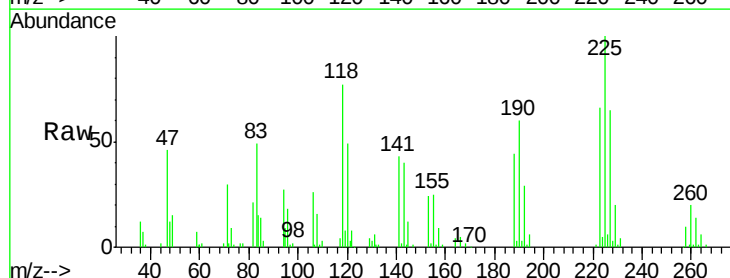


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

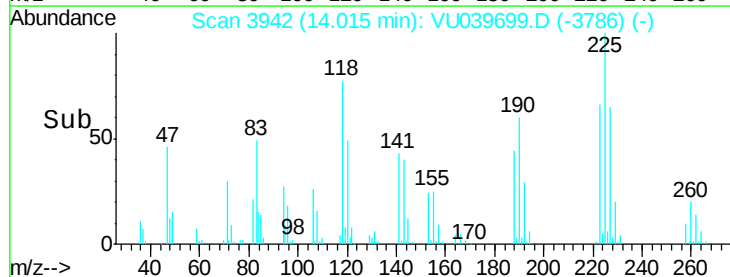
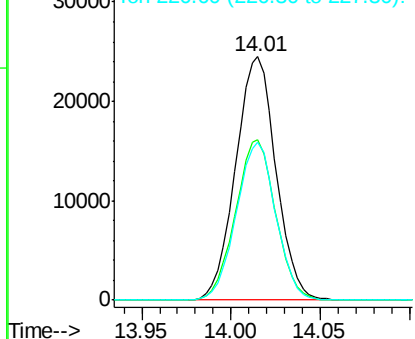


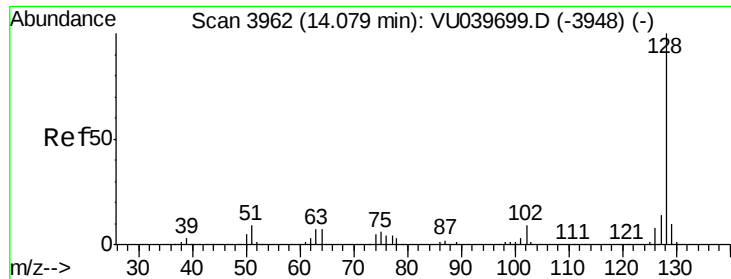
#88
 Hexachlorobutadiene
 Concen: 9.499 ug/l
 RT: 14.01 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VU039699.D
 Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	52.4	78.6
227	63.4	50.7	76.1



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





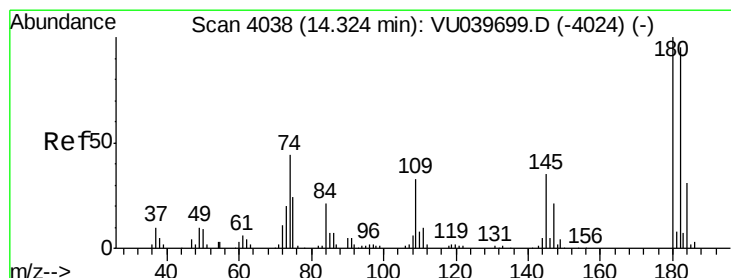
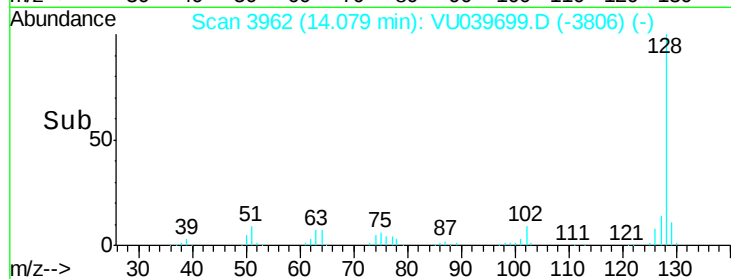
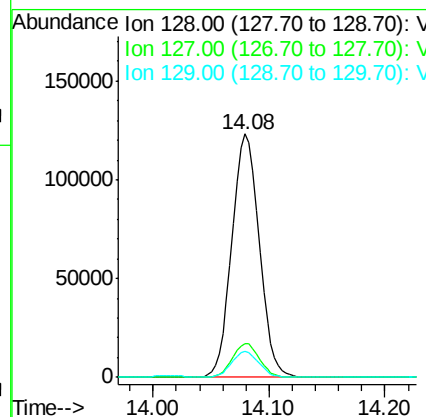
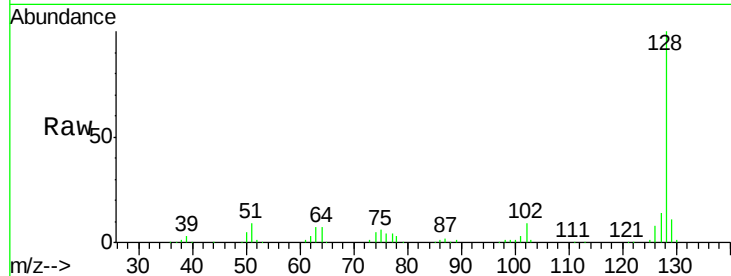
#89
Naphthalene
Concen: 11.091 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	10.5	8.4	12.6

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#90
1,2,3-Trichlorobenzene
Concen: 10.126 ug/l
RT: 14.32 min Scan# 4038
Delta R.T. 0.00 min
Lab File: VU039699.D
Acq: 29 Jul 2020 12:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	34.7	27.8	41.6

