

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072920\
 Data File : VU039698.D
 Acq On : 29 Jul 2020 12:09
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 3:42:57 PM

Quant Time: Jul 30 01:32:50 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	6.12	96	24520	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	10078	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	9748	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	43734	5.222	ug/l	100
3) Chloromethane	1.53	50	53242	5.340	ug/l	99
4) Vinyl Chloride	1.61	62	50170	5.136	ug/l	97
5) Bromomethane	1.86	94	33366	5.508	ug/l	99
6) Chloroethane	1.94	64	34059	5.719	ug/l	98
7) Trichlorofluoromethane	2.15	101	66400	6.239	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	37745	5.782	ug/l	97
9) 1,1-Dichloroethene	2.59	96	35139	5.420	ug/l	98
10) Iodomethane	2.74	142	38117	8.837	ug/l	99
11) Allyl Chloride	2.94	41	75051	6.112	ug/l	100
12) Acrylonitrile	3.33	53	25416	13.796	ug/l	96
13) Acetone	2.64	43	59878	39.264	ug/l	96
14) Carbon Disulfide	2.81	76	127400	5.383	ug/l	99
15) Methylene Chloride	3.06	84	43900	4.880	ug/l	98
16) trans-1,2-Dichloroethene	3.37	96	39843	5.601	ug/l	97
17) 1,1-Dichloroethane	3.89	63	87204	6.280	ug/l	99
18) 2-Butanone	4.74	43	94690	40.245	ug/l	99
19) Cyclohexane	5.40	56	82990m	6.211	ug/l	
20) Methylcyclohexane	6.77	83	65360	5.170	ug/l	99
21) 2,2-Dichloropropane	4.68	77	70818	6.171	ug/l	100
22) cis-1,2-Dichloroethene	4.68	96	43235	5.736	ug/l	99
23) Diethyl Ether	2.39	59	34412	5.921	ug/l	95
24) tert-Butyl Alcohol	3.20	59	44879	67.730	ug/l	97
25) Methyl tert-Butyl Ether	3.39	73	114731	6.255	ug/l	99
26) Bromochloromethane	4.99	128	17101	5.624	ug/l	94
27) Chloroform	5.11	83	82057	6.323	ug/l	100
28) 1,1,1-Trichloroethane	5.33	97	68707	6.454	ug/l	97
29) 1,1-Dichloropropene	5.54	75	63849	6.015	ug/l	98
30) Carbon Tetrachloride	5.54	117	54755	6.171	ug/l	97
31) Isopropyl Ether	4.02	45	156578	6.731	ug/l	100
32) Ethyl-t-butyl ether	4.53	59	136786	6.594	ug/l	99
33) Tert-Amyl methyl ether	5.96	73	102005	5.874	ug/l	99
34) Propionitrile	4.80	54	23343	35.711	ug/l	98
35) Benzene	5.79	78	171155	5.875	ug/l	100
36) 1,2-Dichloroethane	5.81	62	63910	7.091	ug/l	99
37) Trichloroethene	6.55	130	36588	4.851	ug/l	95
38) 1,2-Dichloropropane	6.81	63	45265	5.692	ug/l	97
39) Methacrylonitrile	5.00	41	23119	7.491	ug/l	97
40) Methyl acrylate	4.87	55	32179	7.179	ug/l	97
41) Tetrahydrofuran	5.08	42	23289	15.013	ug/l	99
42) 1-Chlorobutane	5.47	56	100102	6.430	ug/l	99

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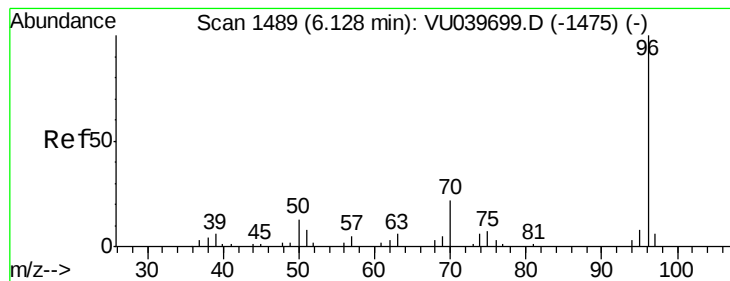
Manual Integrations
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Quant Time: Jul 30 01:32:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	23638	6.263	ug/l	99
44) Bromodichloromethane	7.12	83	54948	5.857	ug/l	100
45) 4-Methyl-2-Pentanone	7.81	43	184985	34.816	ug/l	98
46) t-1,4-Dichloro-2-butene	10.84	75	21730m	13.384	ug/l	
47) Methyl methacrylate	6.98	69	45854	11.991	ug/l	99
48) Ethyl methacrylate	8.35	69	41629	5.914	ug/l	97
49) Toluene	7.98	92	98321	5.343	ug/l	99
50) t-1,3-Dichloropropene	8.22	75	51494	5.448	ug/l	97
51) cis-1,3-Dichloropropene	7.62	75	58488	5.205	ug/l	97
52) 1,1,2-Trichloroethane	8.41	97	31990	6.063	ug/l	99
53) 1,3-Dichloropropane	8.58	76	58385	5.881	ug/l	99
54) 2-Hexanone	8.70	43	132453	35.155	ug/l	99
55) Dibromochloromethane	8.82	129	33807	5.789	ug/l	99
56) 1,2-Dibromoethane	8.93	107	30538	6.088	ug/l	98
58) Tetrachloroethene	8.56	164	31860	4.607	ug/l	96
59) Chlorobenzene	9.45	112	98886	5.081	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.54	131	34254	5.718	ug/l	99
61) Pentachloroethane	11.43	117	30675	6.615	ug/l	99
62) Hexachloroethane	12.47	117	28569	6.014	ug/l	99
63) Ethyl Benzene	9.57	91	184161	5.284	ug/l	99
64) m/p-Xylenes	9.70	106	148040	11.000	ug/l	100
65) o-Xylene	10.10	106	70391	5.396	ug/l	95
66) Styrene	10.11	104	121128	5.590	ug/l	99
67) Bromoform	10.29	173	18094	5.897	ug/l	95
69) Isopropylbenzene	10.48	105	182326	5.341	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	45901	6.618	ug/l	100
71) 1,2,3-Trichloropropane	10.83	75	34387m	6.568	ug/l	
72) Bromobenzene	10.78	156	40533	5.341	ug/l	99
73) n-propylbenzene	10.91	120	52067	5.546	ug/l	99
74) 2-Chlorotoluene	10.99	126	42648	5.409	ug/l	99
75) 1,3,5-Trimethylbenzene	11.09	105	165313	5.774	ug/l	99
76) 4-Chlorotoluene	11.10	126	45598	5.554	ug/l	98
77) tert-Butylbenzene	11.42	119	152808	5.620	ug/l	99
78) 1,2,4-Trimethylbenzene	11.47	105	168950	5.730	ug/l	100
79) sec-Butylbenzene	11.64	105	218689	5.627	ug/l	100
80) Nitrobenzene	13.20	77	3700	19.640	ug/l	98
81) p-Isopropyltoluene	11.79	119	179479	5.716	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	87509	5.518	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	86753	5.408	ug/l	98
84) n-Butylbenzene	12.20	91	186855	5.924	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	82682	5.558	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	8354	7.402	ug/l	96
87) 1,2,4-Trichlorobenzene	13.83	180	51248	4.810	ug/l	99
88) Hexachlorobutadiene	14.01	225	23632	5.010	ug/l	98
89) Naphthalene	14.08	128	113179	5.399	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	49999	5.240	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

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MSVOA_U

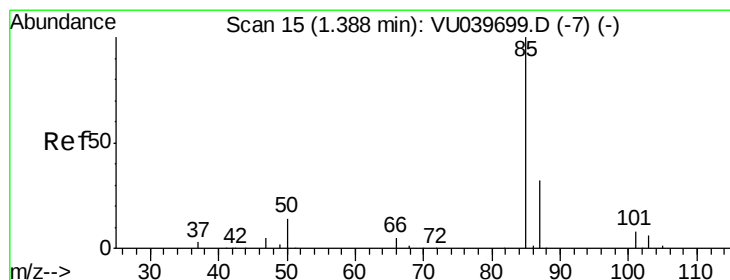
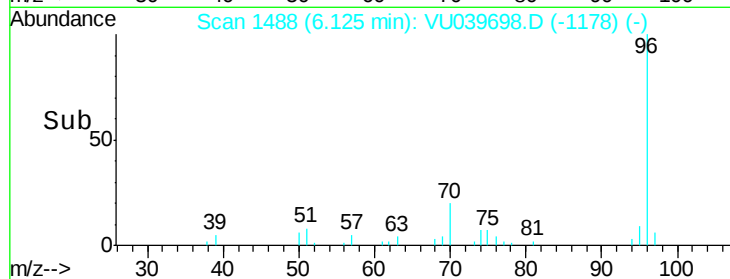
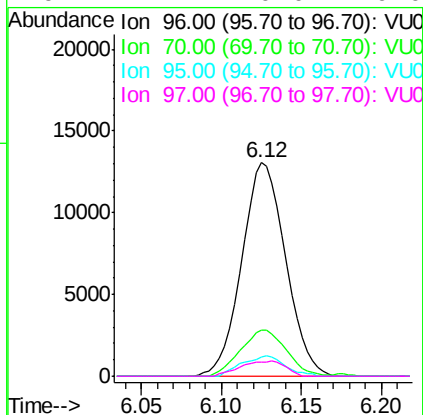
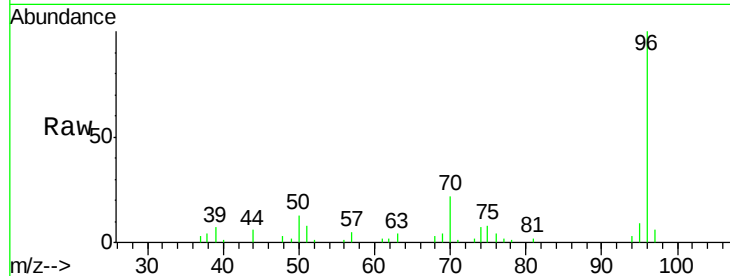
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	21.7	16.3	24.5	
95	9.3	6.8	10.2	
97	7.4	0.0	0.0	

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#2

Dichlorodifluoromethane

Concen: 5.222 ug/l

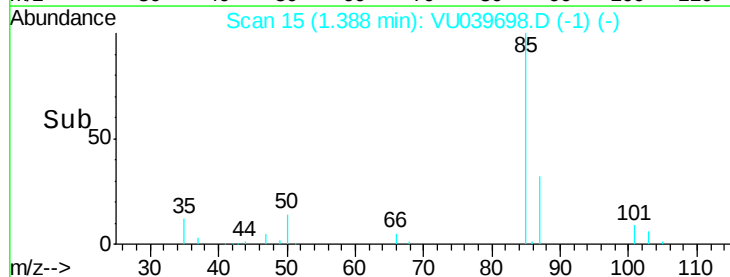
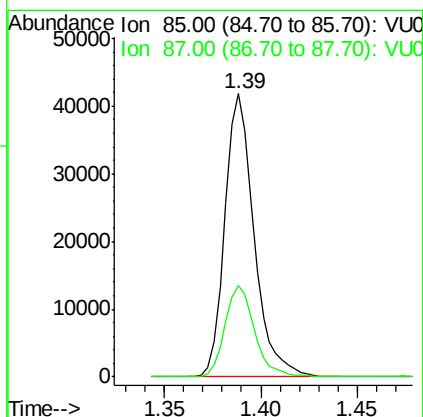
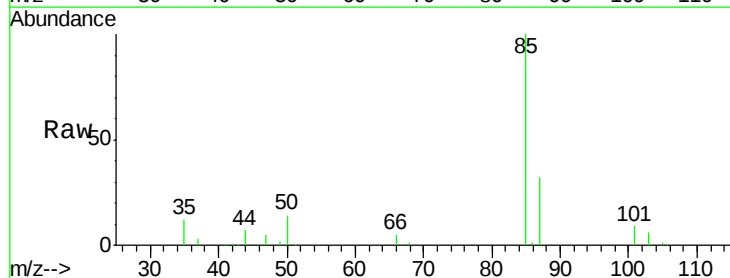
RT: 1.39 min Scan# 15

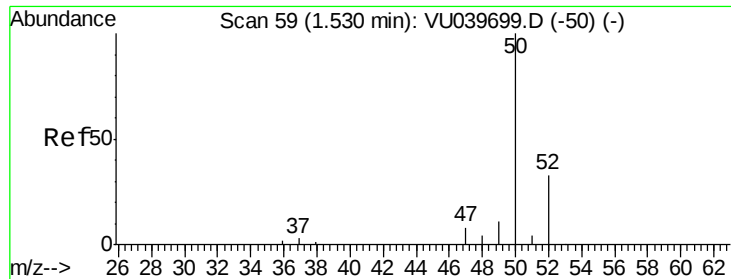
Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.2	16.2	48.6	





#3

Chloromethane

Concen: 5.340 ug/l

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 53242

Ion Ratio Lower Upper

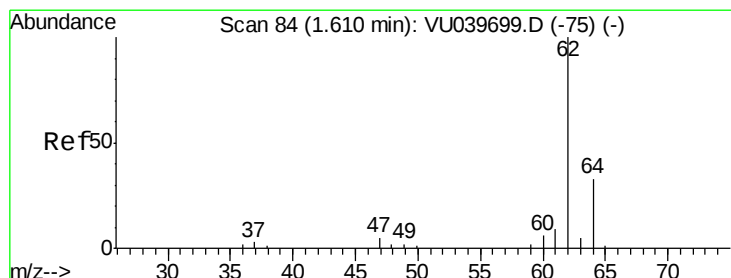
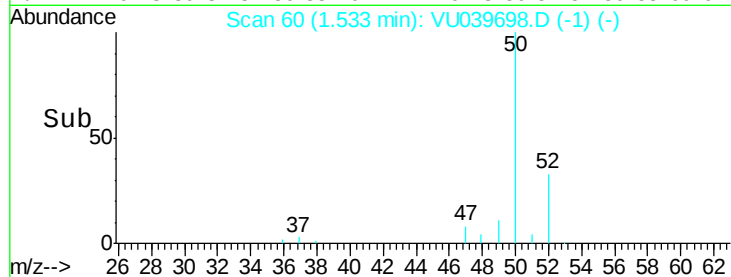
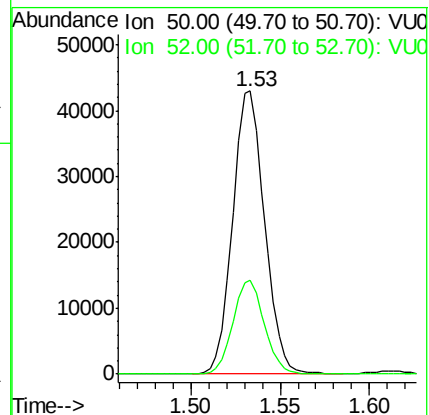
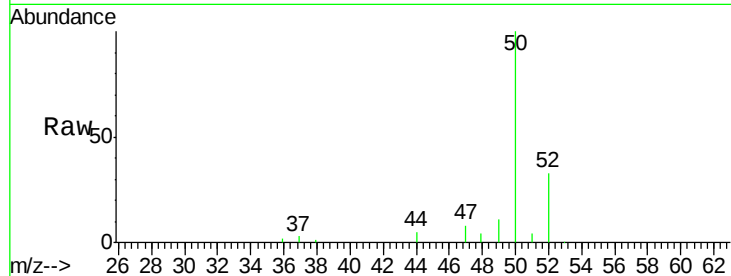
50 100

52 33.1 26.0 39.0

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#4

Vinyl Chloride

Concen: 5.136 ug/l

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039698.D

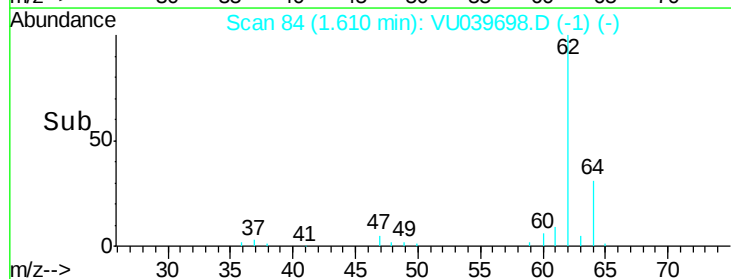
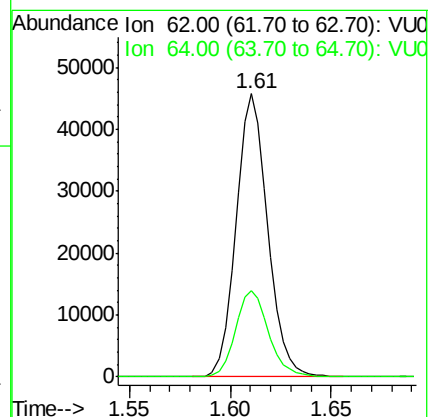
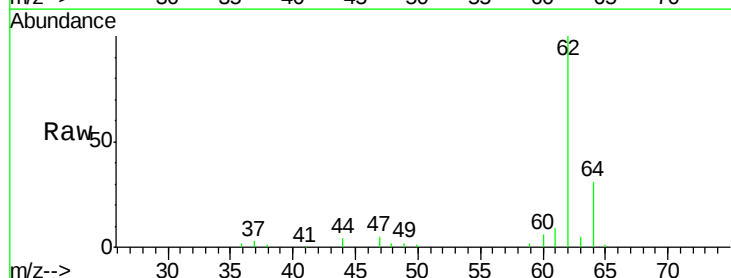
Acq: 29 Jul 2020 12:09

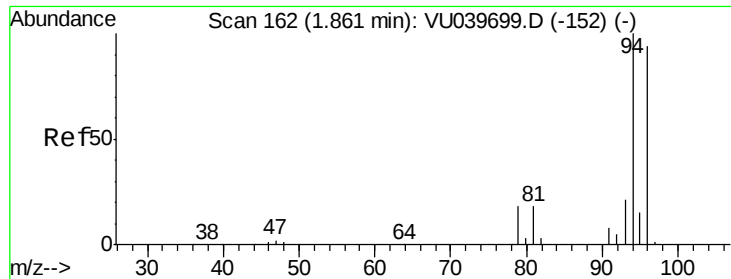
Tgt Ion: 62 Resp: 50170

Ion Ratio Lower Upper

62 100

64 30.7 26.0 39.0





#5

Bromomethane

Concen: 5.508 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 33366

Ion Ratio Lower Upper

94 100

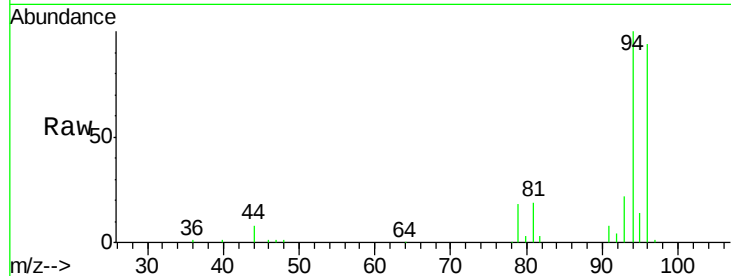
96 94.4 75.0 112.6

Manual Integrations

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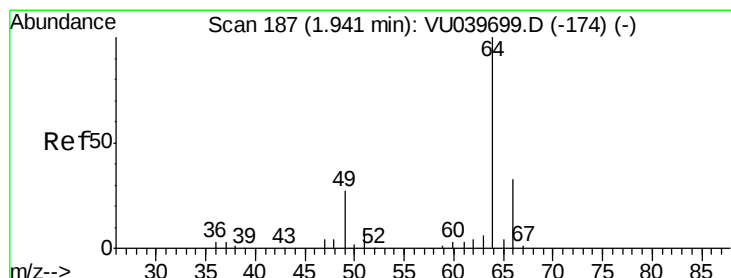
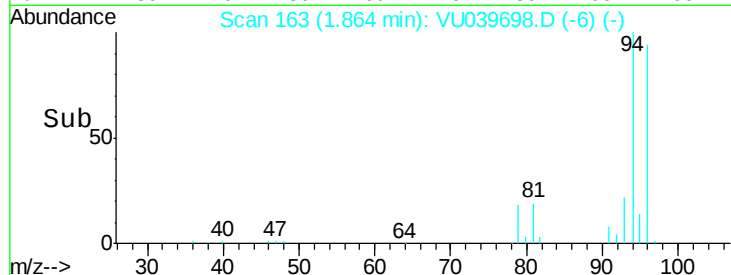
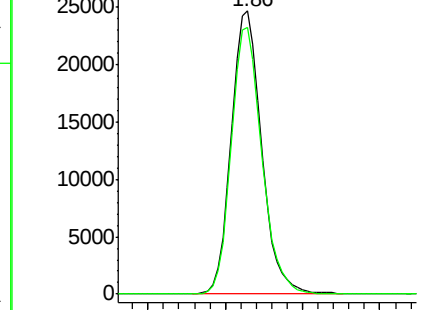
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Abundance Ion 94.00 (93.70 to 94.70): VU039699.D (-152) (-)

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



#6

Chloroethane

Concen: 5.719 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU039698.D

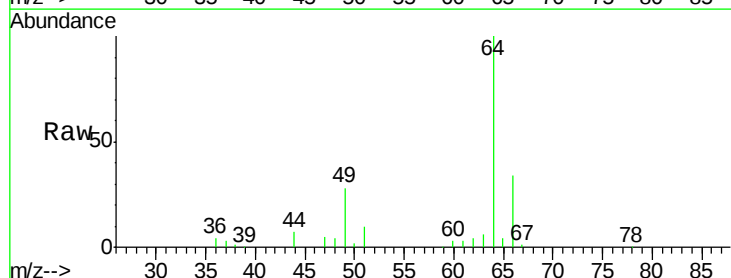
Acq: 29 Jul 2020 12:09

Tgt Ion: 64 Resp: 34059

Ion Ratio Lower Upper

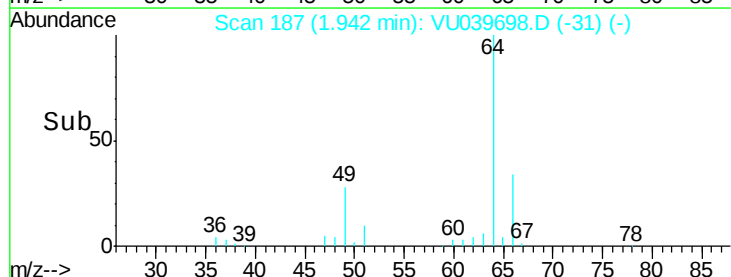
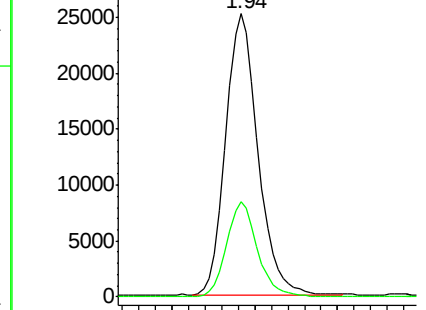
64 100

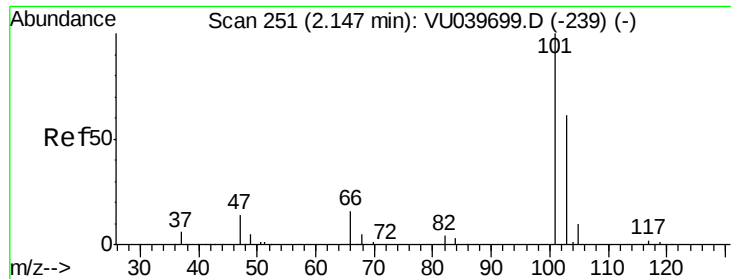
66 33.8 26.2 39.2



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

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





#7

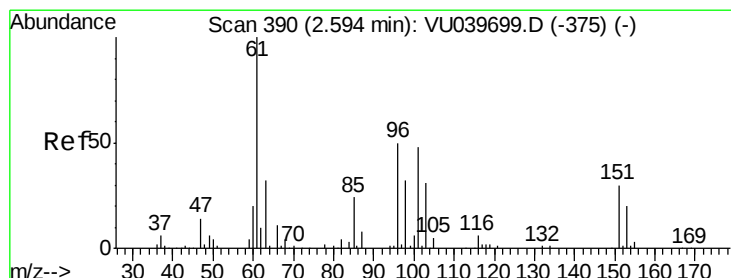
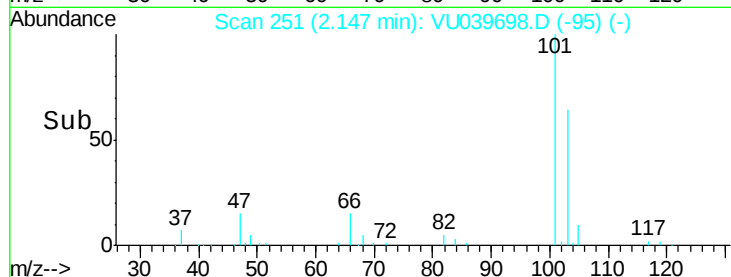
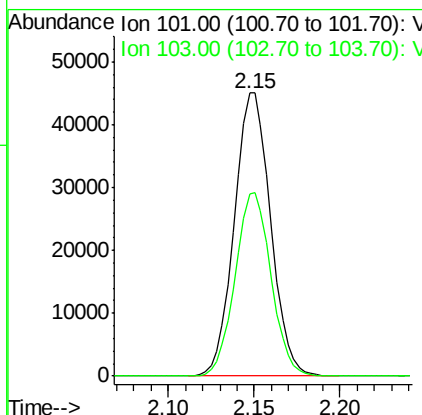
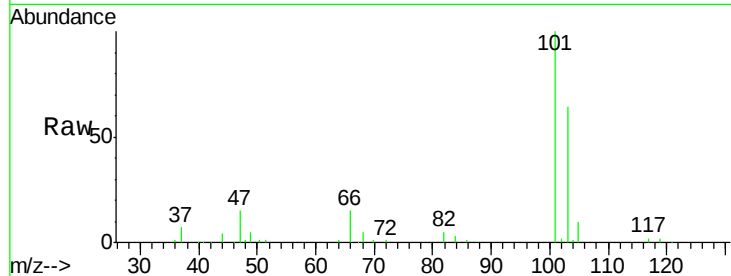
Trichlorofluoromethane
Concen: 6.239 ug/l
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	48.8	73.2

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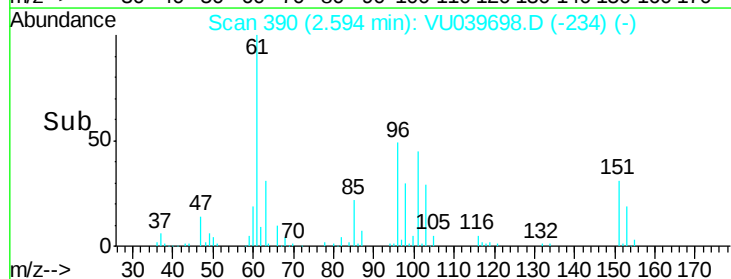
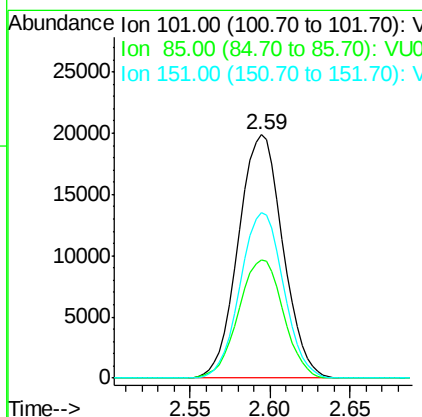
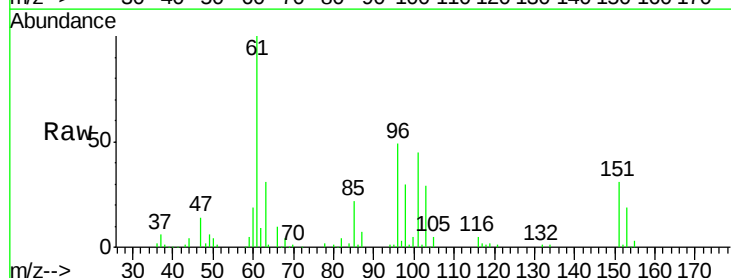
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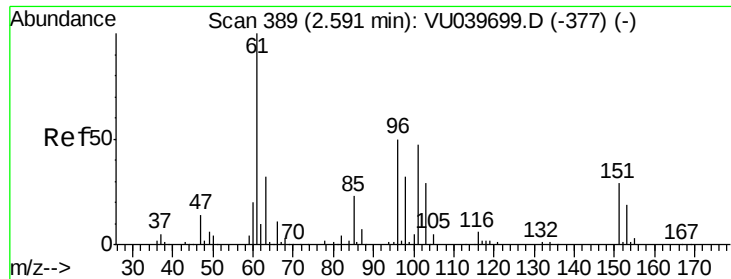


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.782 ug/l
RT: 2.59 min Scan# 390
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.9	39.9	59.9
151	66.5	51.0	76.4





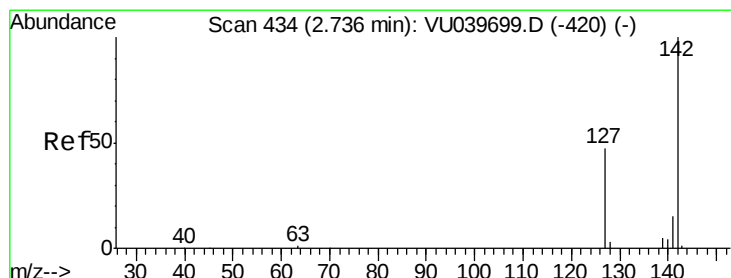
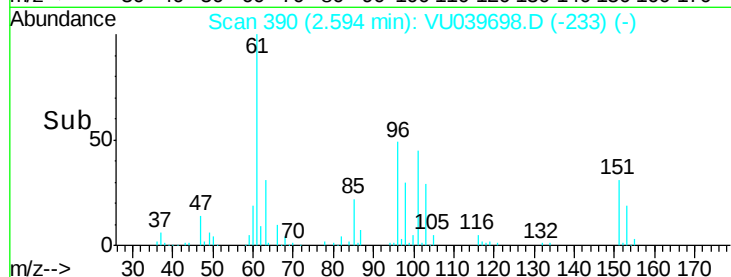
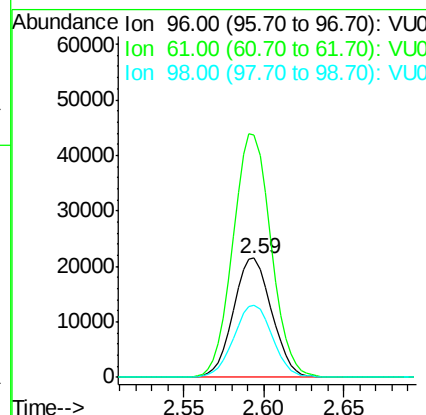
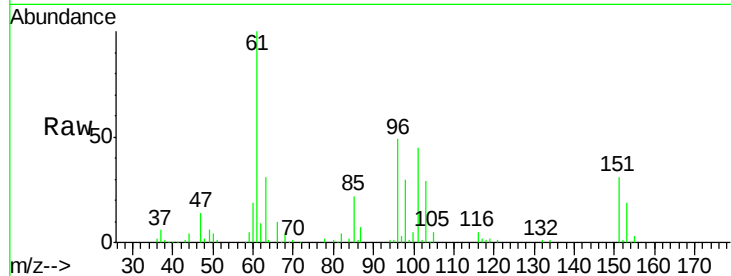
#9
 1,1-Dichloroethene
 Concen: 5.420 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	204.2	0.0	604.5
98	61.0	0.0	127.2

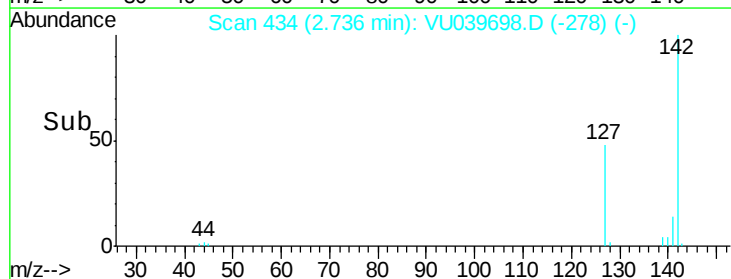
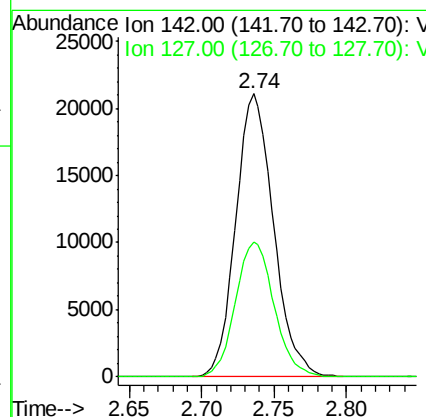
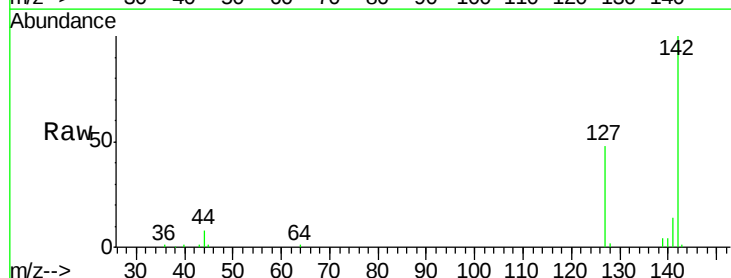
Manual Integrations
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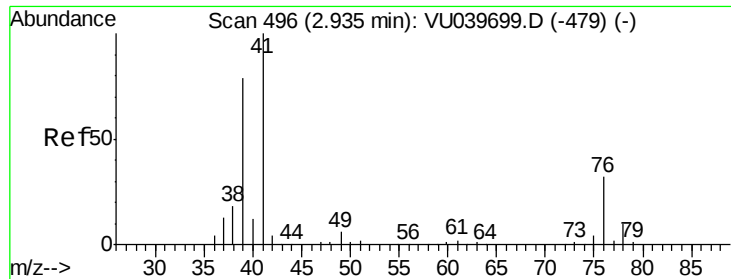
MMDadoda
 7/31/2020 3:42:57 PM



#10
 Iodomethane
 Concen: 8.837 ug/l
 RT: 2.74 min Scan# 434
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.5	38.4	57.6





#11

Allvl Chloride

Concen: 6.112 ug/l

RT: 2.94 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 75051

Ion Ratio Lower Upper

41 100

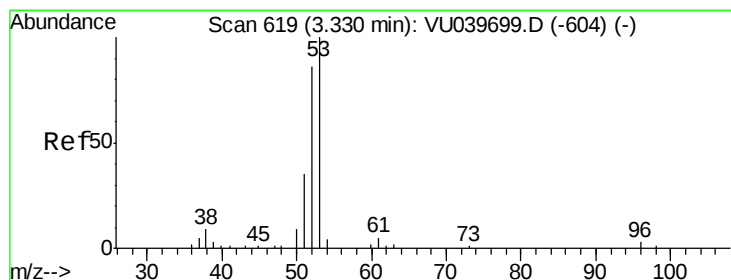
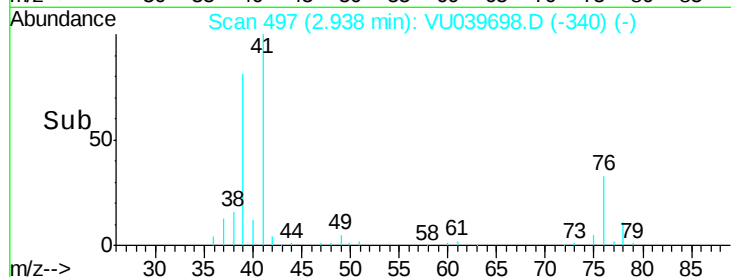
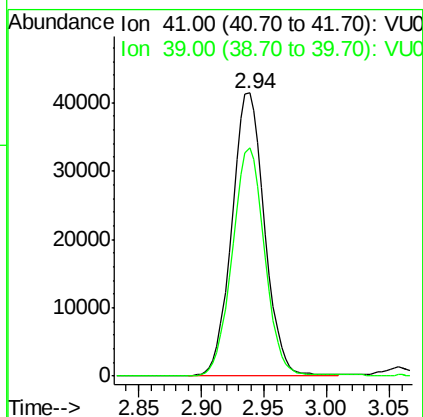
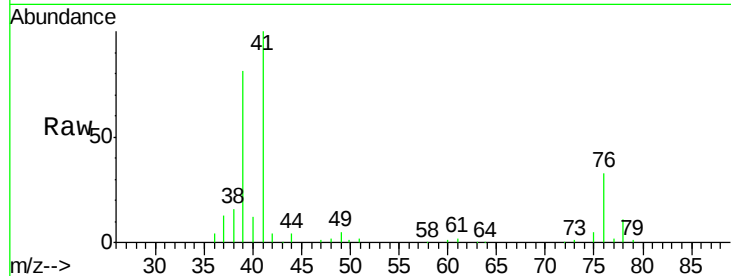
39 79.9 64.2 96.2

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#12

Acrylonitrile

Concen: 13.796 ug/l

RT: 3.33 min Scan# 619

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

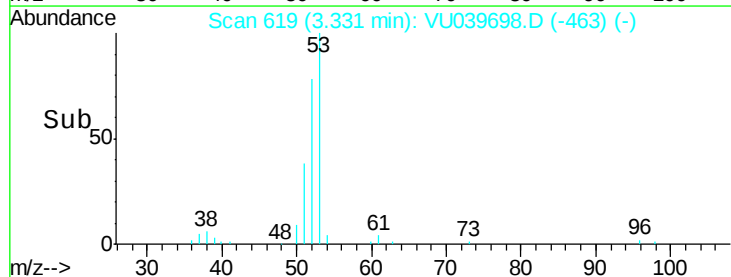
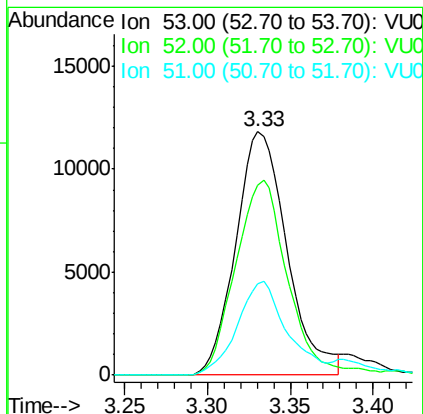
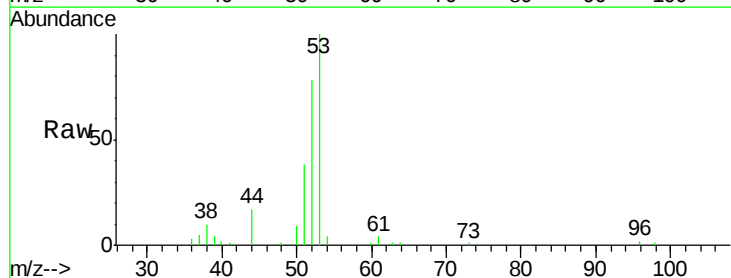
Tgt Ion: 53 Resp: 25416

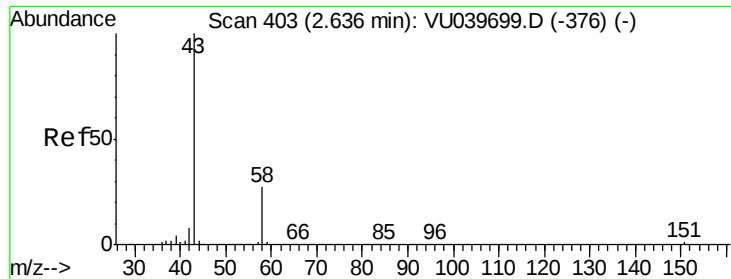
Ion Ratio Lower Upper

53 100

52 81.1 69.1 103.7

51 37.4 29.4 44.2





#13

Acetone

Concen: 39.264 ug/l

RT: 2.64 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 59878

Ion Ratio Lower Upper

43 100

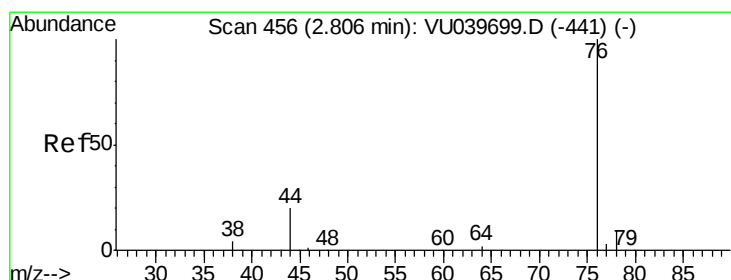
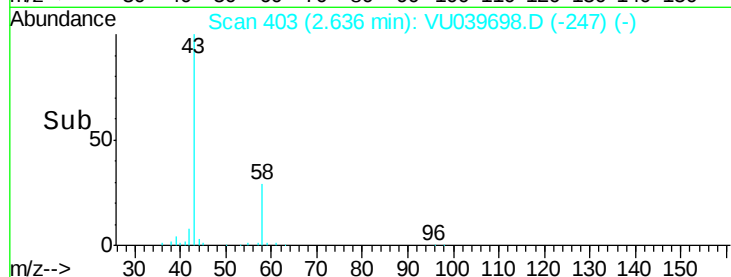
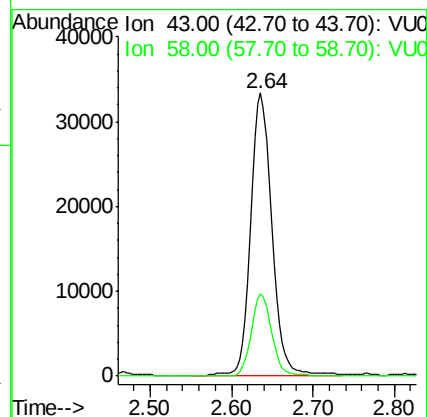
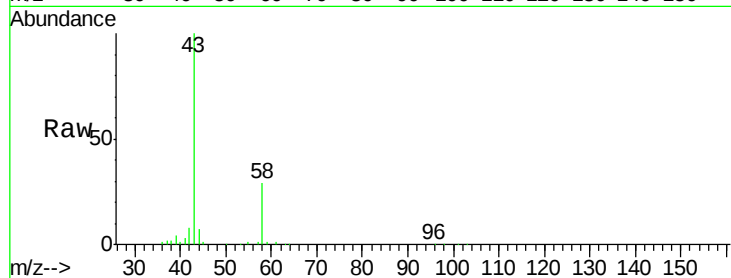
58 29.1 21.8 32.6

Manual Integrations

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#14

Carbon Disulfide

Concen: 5.383 ug/l

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039698.D

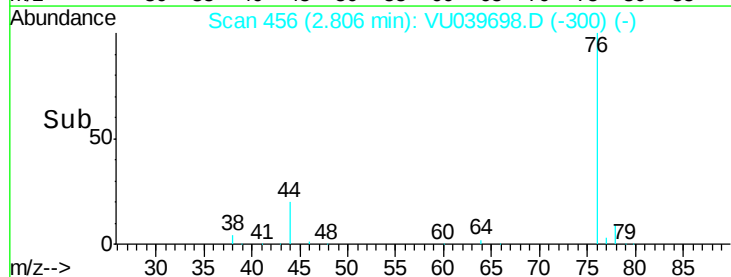
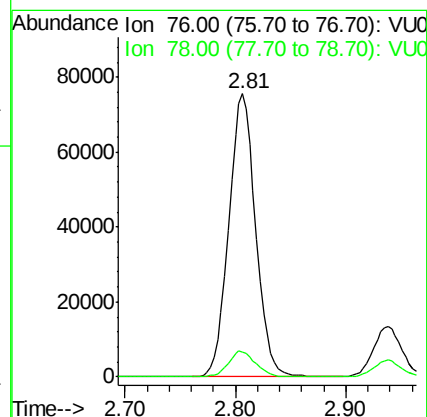
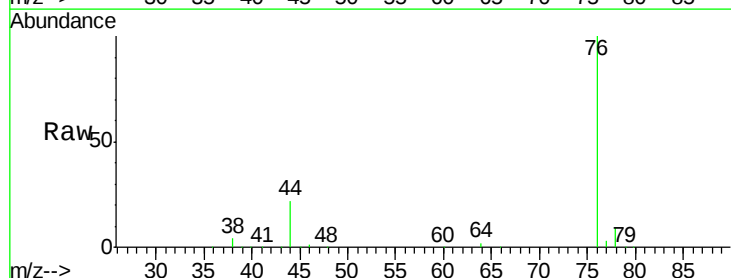
Acq: 29 Jul 2020 12:09

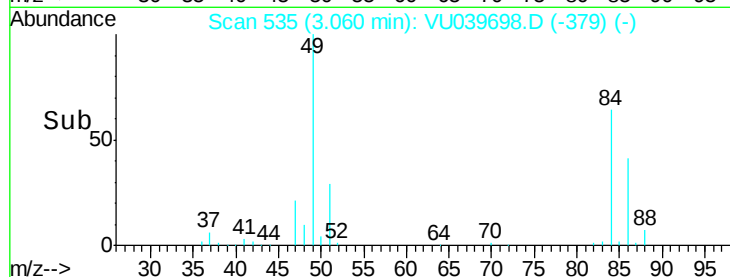
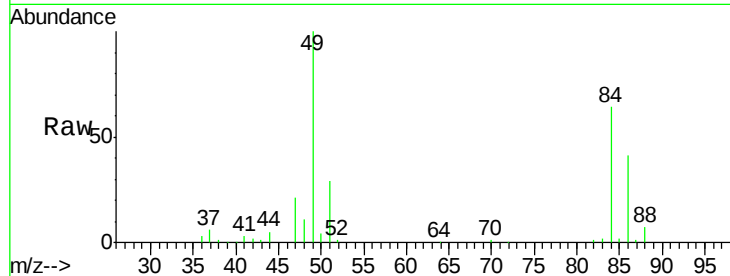
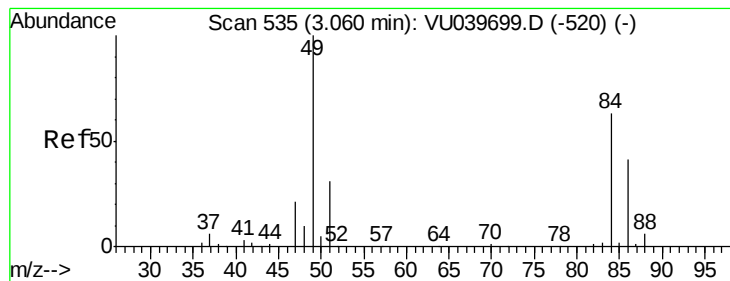
Tgt Ion: 76 Resp: 127400

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





#15

Methylene Chloride

Concen: 4.880 ug/l

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Tot Ion:	84	Resp:	43900
Ion	Ratio	Lower	Upper
84	100		
49	156.6	126.8	190.2
51	45.5	0.0	97.2
86	63.4	51.4	77.2

Instrument :

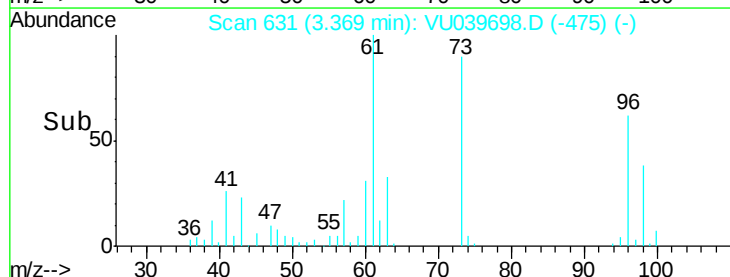
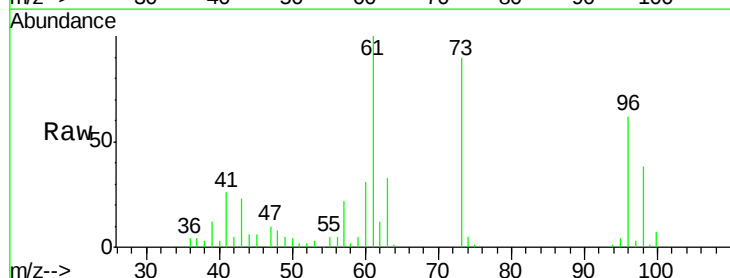
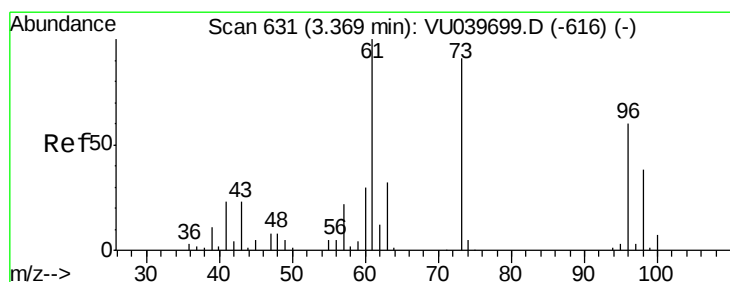
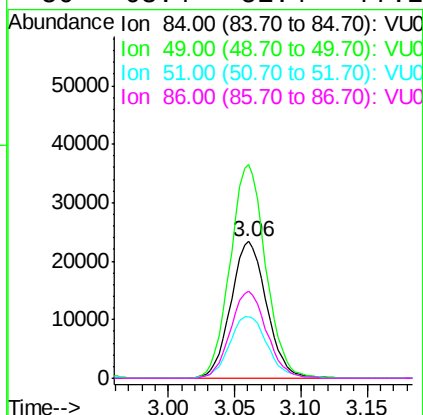
MSVOA_U

ClientSampleId :

VSTDIC005

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#16

trans-1,2-Dichloroethene

Concen: 5.601 ug/l

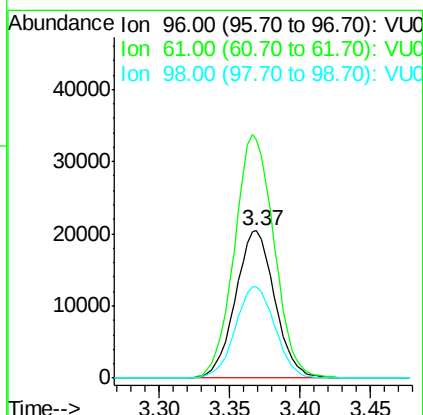
RT: 3.37 min Scan# 631

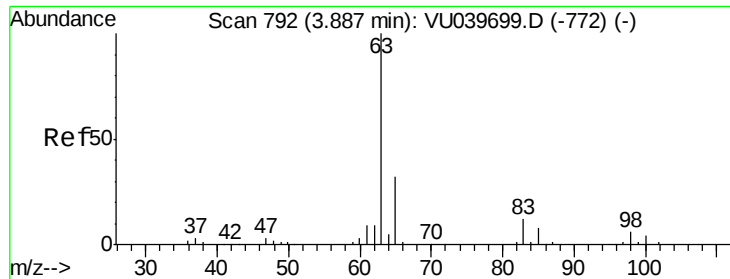
Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Tgt Ion:	96	Resp:	39843
Ion	Ratio	Lower	Upper
96	100		
61	161.4	132.6	199.0
98	62.1	50.2	75.2





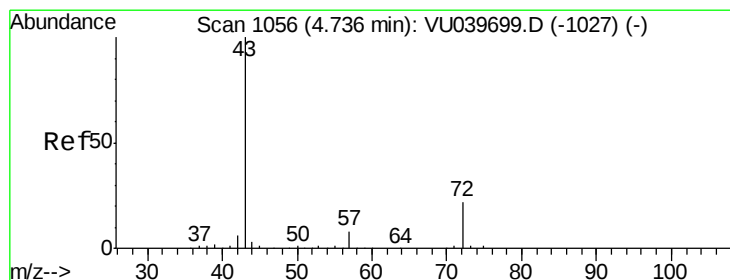
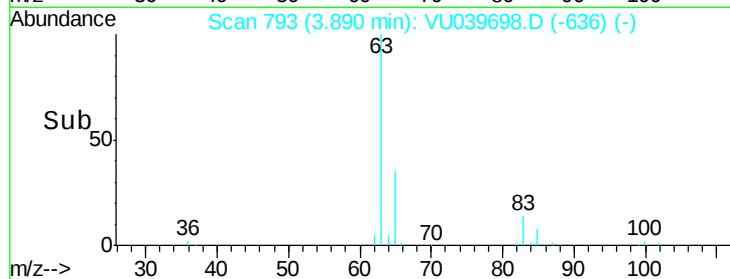
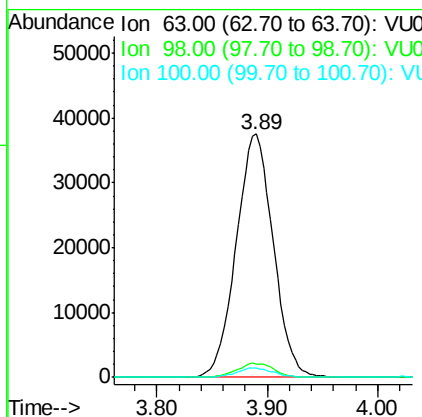
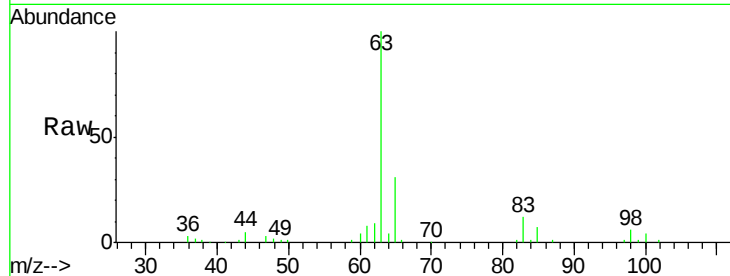
#17
 1,1-Dichloroethane
 Concen: 6.280 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	87204
Ion Ratio	Lower	Upper	
63	100		
98	5.6	2.9	8.7
100	3.6	2.0	6.0

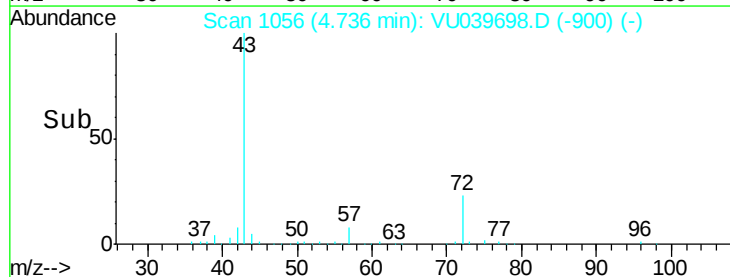
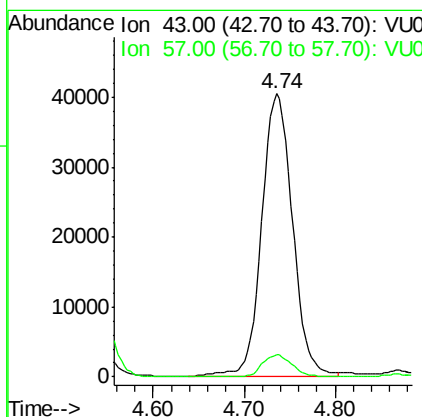
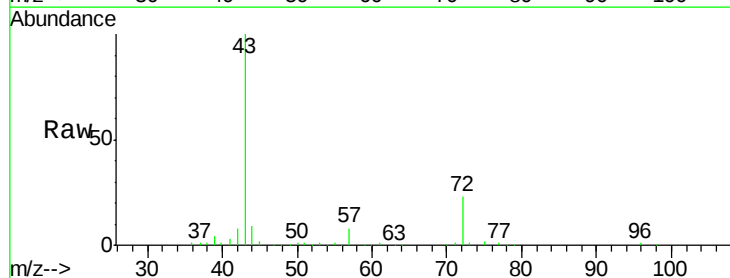
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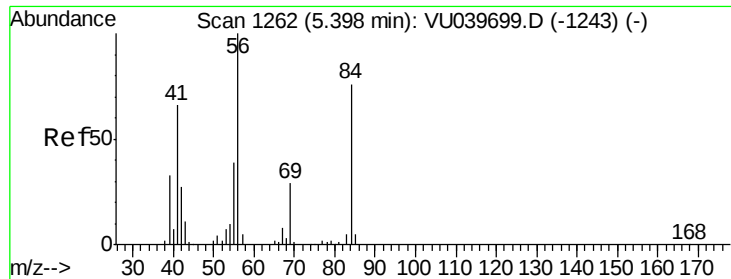
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 7/31/2020 3:42:57 PM



#18
 2-Butanone
 Concen: 40.245 ug/l
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion:	43	Resp:	94690
Ion Ratio	Lower	Upper	
43	100		
57	7.9	0.0	15.2





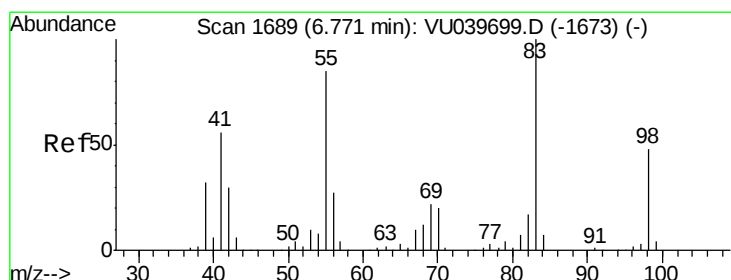
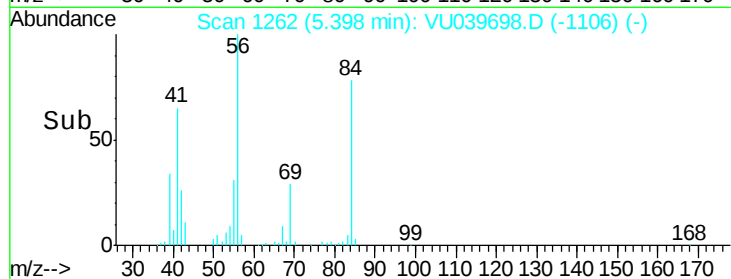
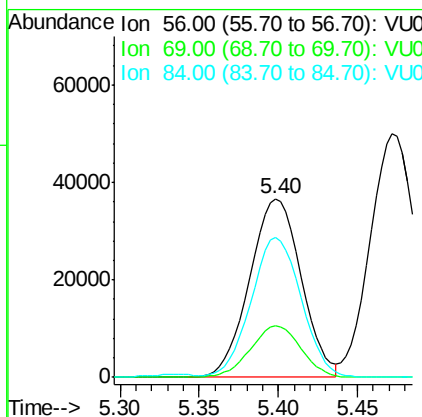
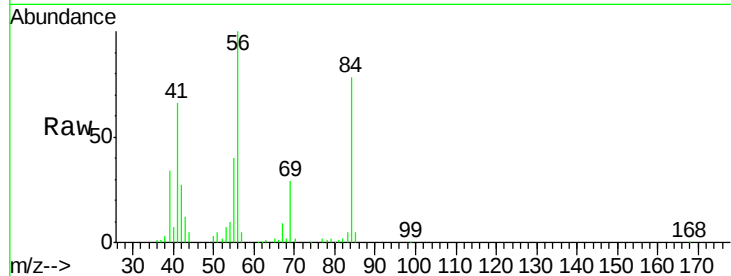
#19
Cyclohexane
Concen: 6.211 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.8	34.2
84	74.8	59.9	89.9

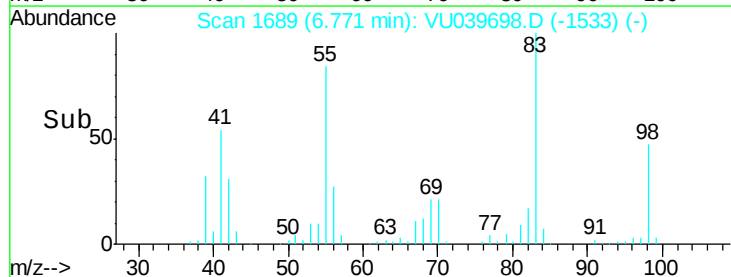
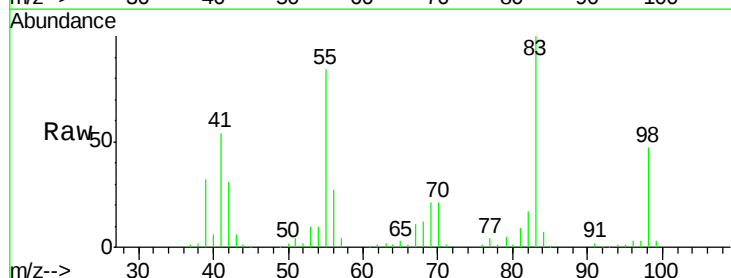
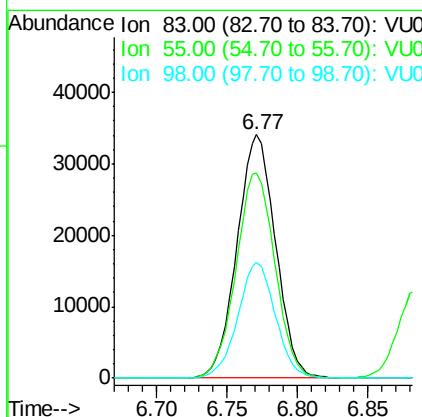
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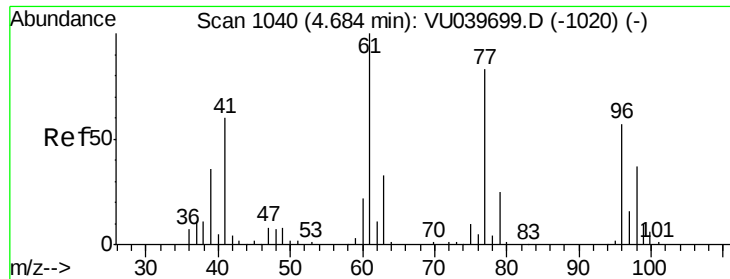
MMDadoda
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#20
Methylcyclohexane
Concen: 5.170 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.3	67.6	101.4
98	46.1	37.3	55.9





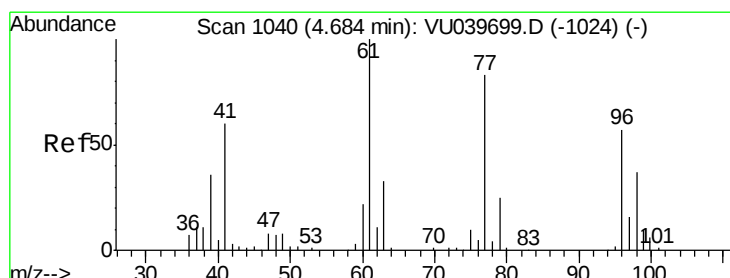
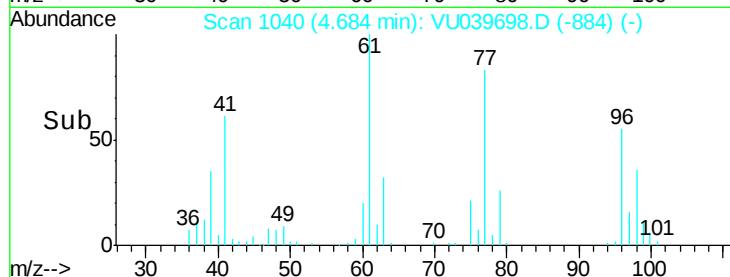
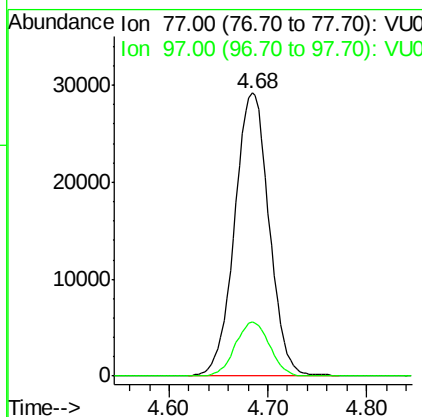
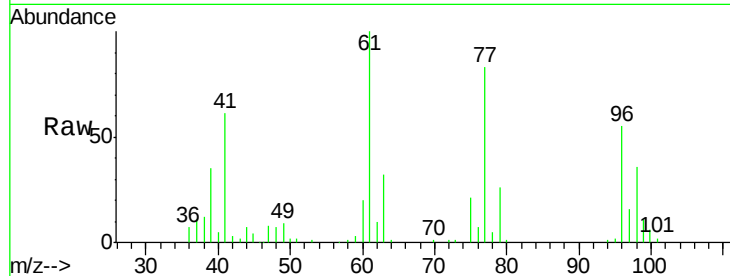
#21
 2,2-Dichloropropane
 Concen: 6.171 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 70818
 Ion Ratio Lower Upper
 77 100
 97 18.9 15.2 22.8

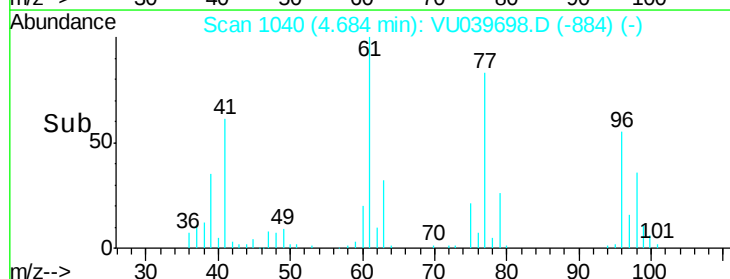
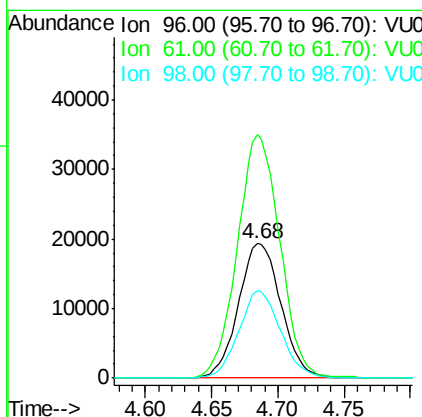
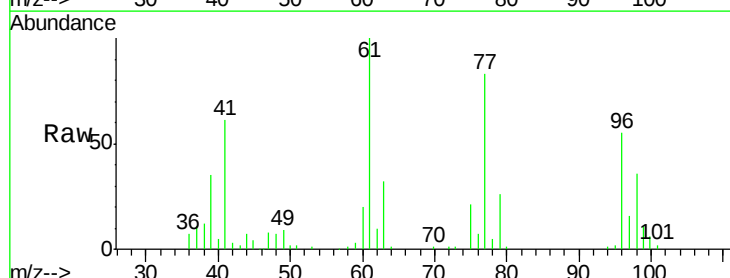
Manual Integrations
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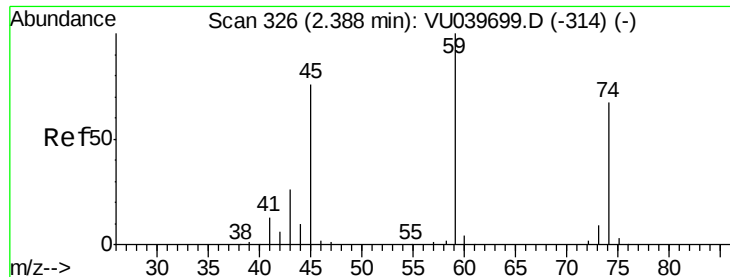
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 5.736 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion: 96 Resp: 43235
 Ion Ratio Lower Upper
 96 100
 61 180.7 0.0 451.3
 98 63.3 32.6 98.0





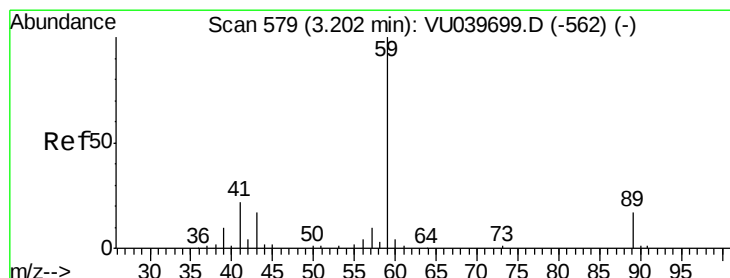
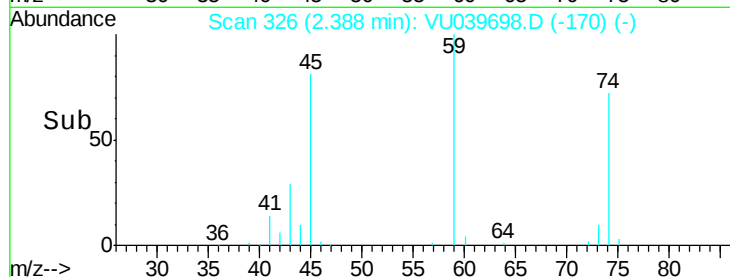
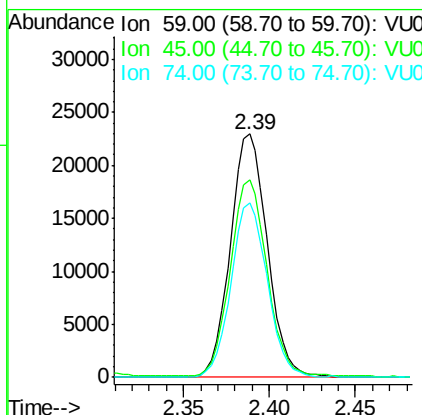
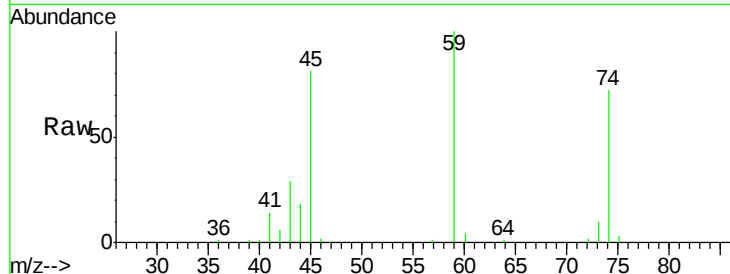
#23
Diethyl Ether
Concen: 5.921 ug/l
RT: 2.39 min Scan# 326
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
45	82.3	61.5	92.3
74	70.6	54.3	81.5

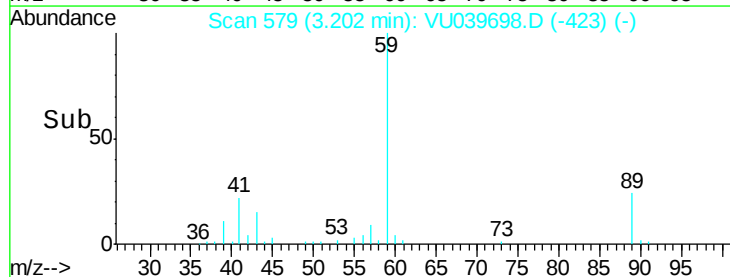
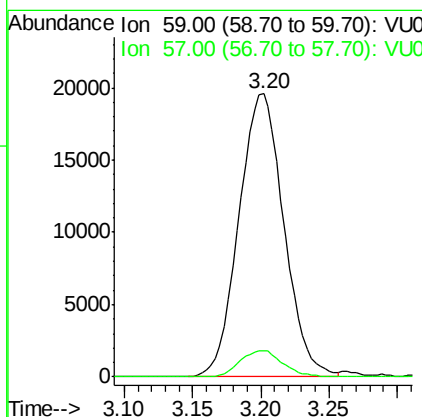
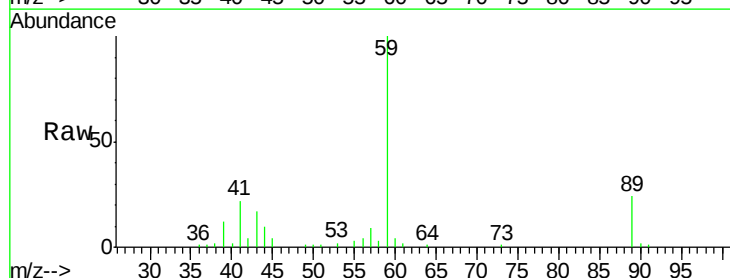
Manual Integrations
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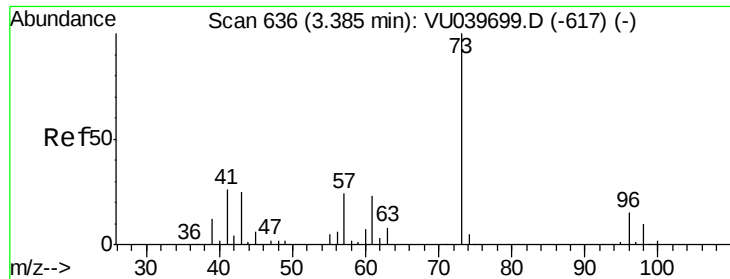
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 67.730 ug/l
RT: 3.20 min Scan# 579
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.7	7.8	11.6





#25

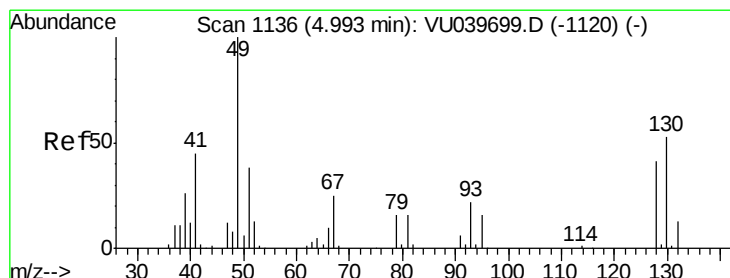
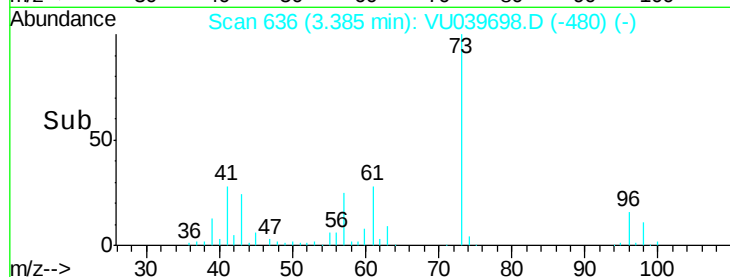
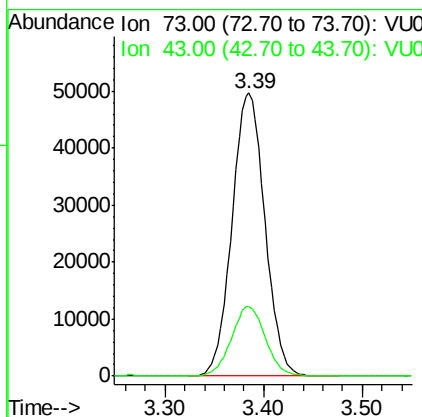
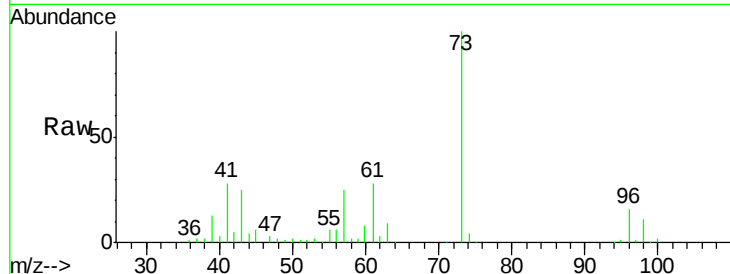
Methyl tert-Butyl Ether
 Concen: 6.255 ug/l
 RT: 3.39 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
43	25.6	20.1	30.1

Manual Integrations
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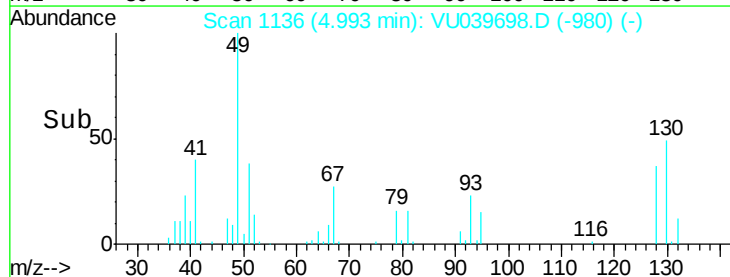
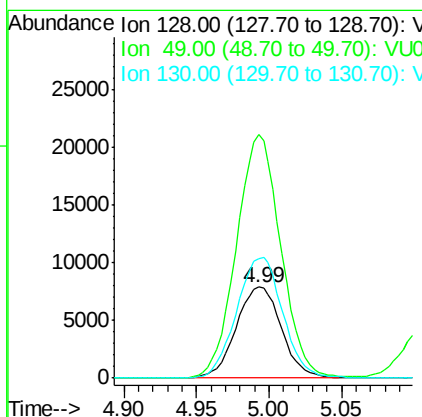
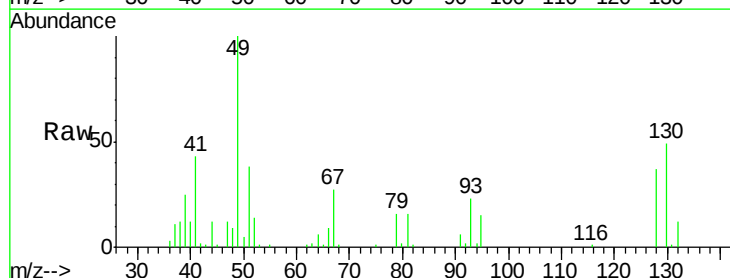
MMDadoda
 7/31/2020 3:42:57 PM

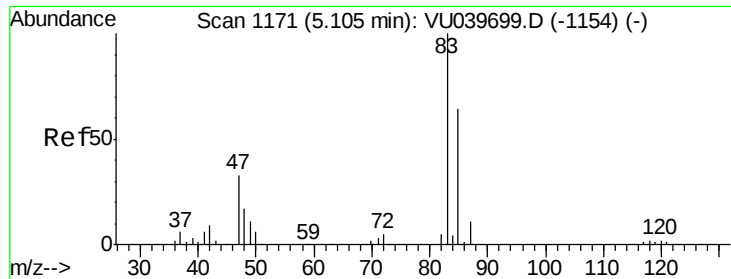


#26

Bromochloromethane
 Concen: 5.624 ug/l
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
128	100		
49	262.6	0.0	503.8
130	135.3	102.7	154.1





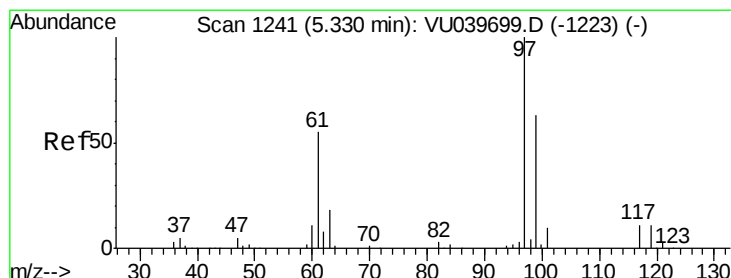
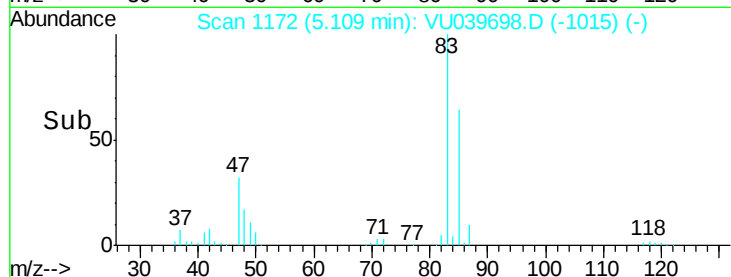
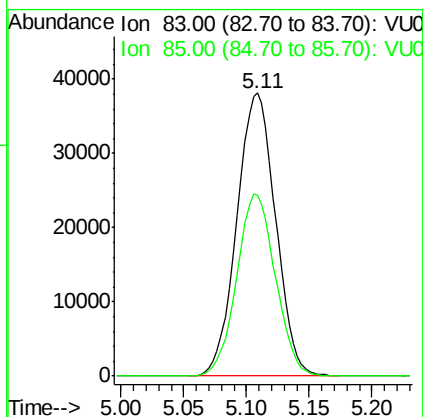
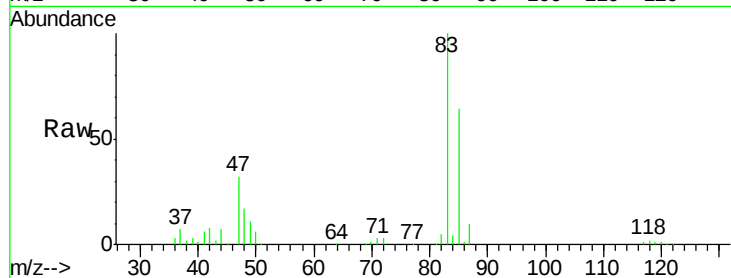
#27
Chloroform
Concen: 6.323 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 82057
Ion Ratio Lower Upper
83 100
85 64.0 0.0 128.8

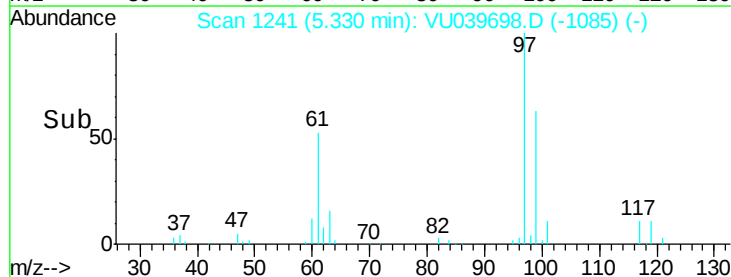
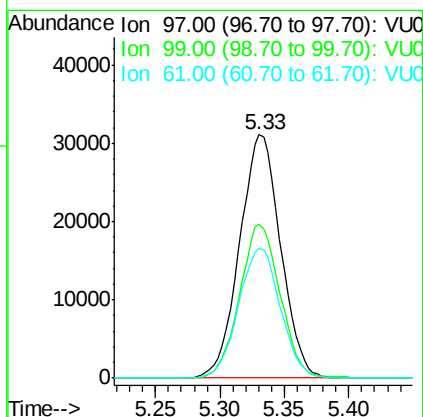
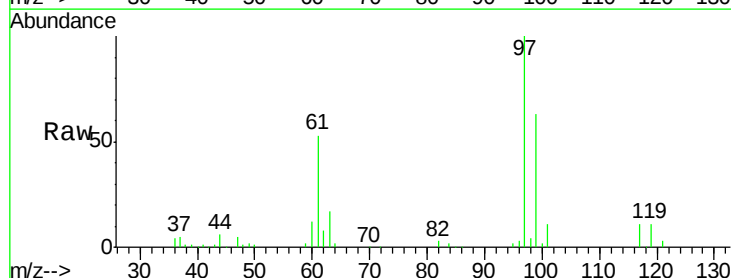
Manual Integrations
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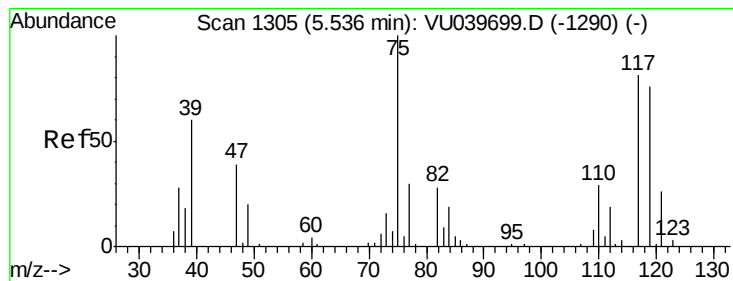
MMDadoda
7/31/2020 3:42:57 PM



#28
1,1,1-Trichloroethane
Concen: 6.454 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion: 97 Resp: 68707
Ion Ratio Lower Upper
97 100
99 62.2 32.2 96.6
61 54.5 28.3 85.0





#29

1,1-Dichloropropene

Concen: 6.015 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 63849

Ion Ratio Lower Upper

75 100

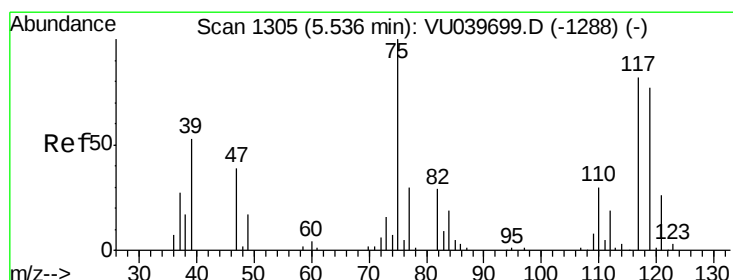
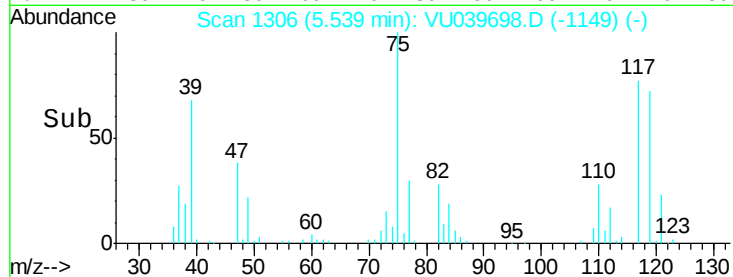
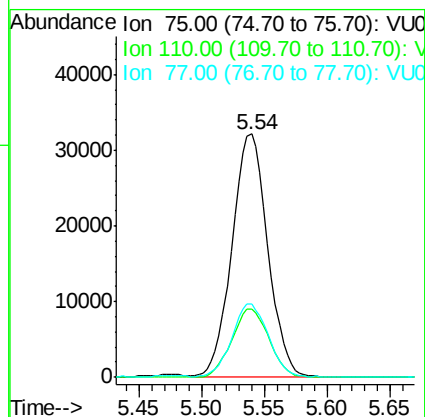
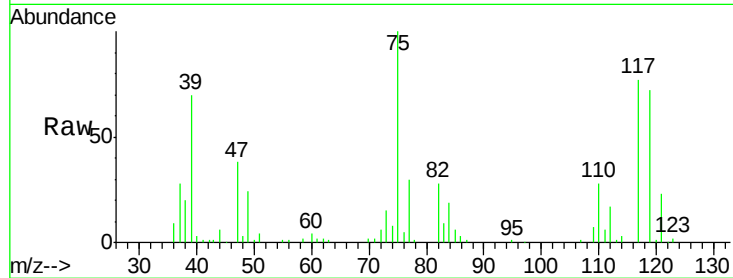
110 29.0 14.6 44.0

77 29.8 25.0 37.4

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 6.171 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

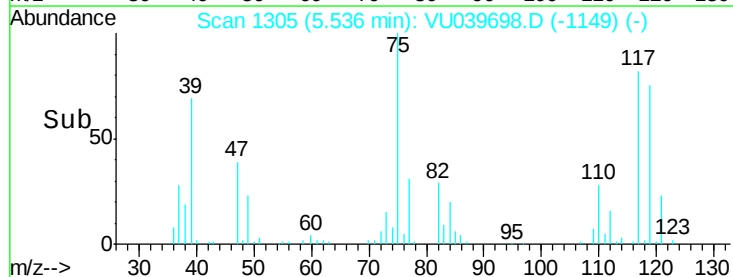
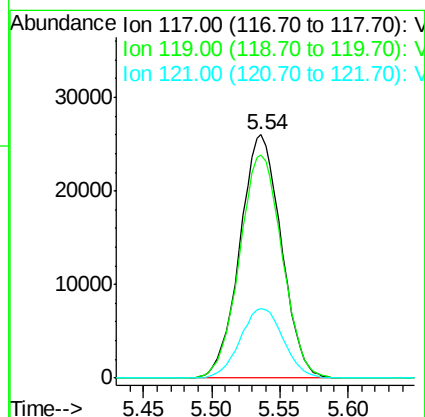
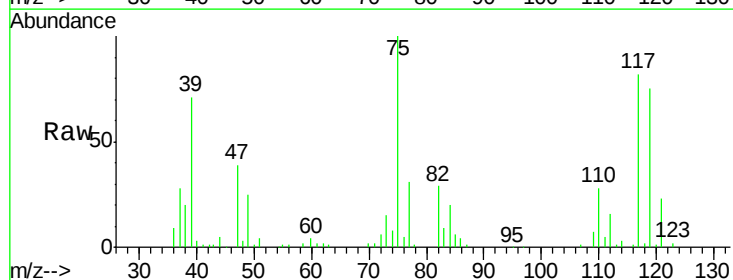
Tgt Ion: 117 Resp: 54755

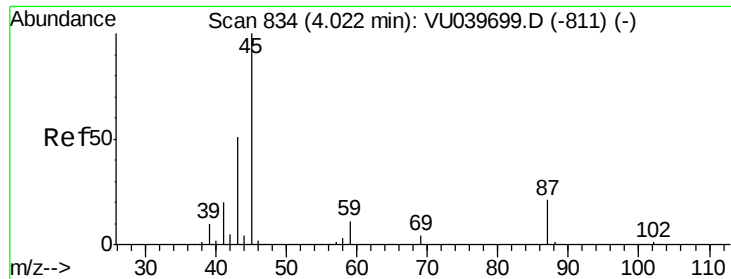
Ion Ratio Lower Upper

117 100

119 91.8 75.2 112.8

121 28.5 25.4 38.2





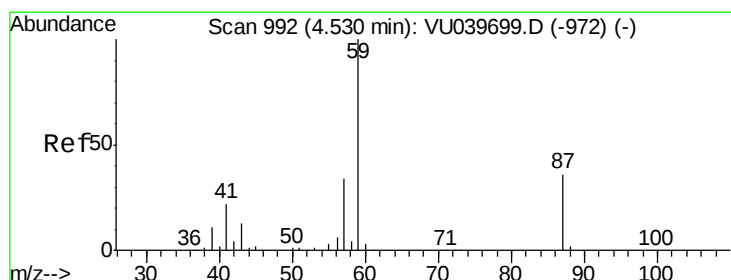
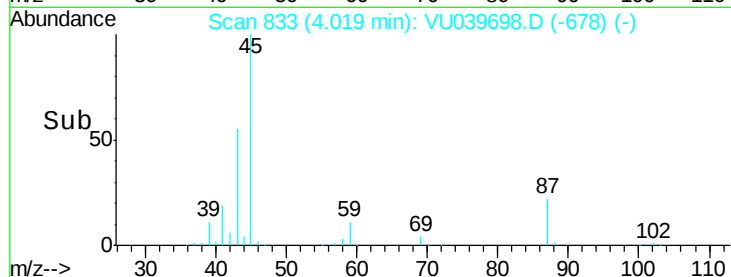
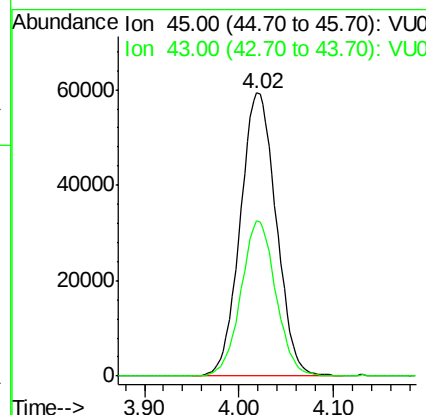
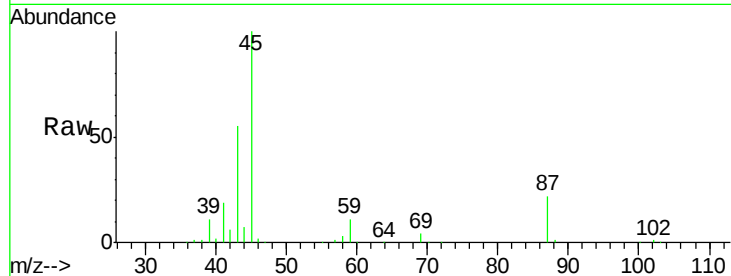
#31
Isopropyl Ether
Concen: 6.731 ug/l
RT: 4.02 min Scan# 833
Delta R.T. -0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 45 Resp: 156578
Ion Ratio Lower Upper
45 100
43 53.2 26.5 79.4

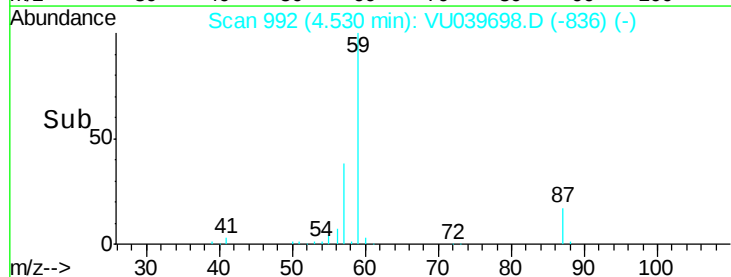
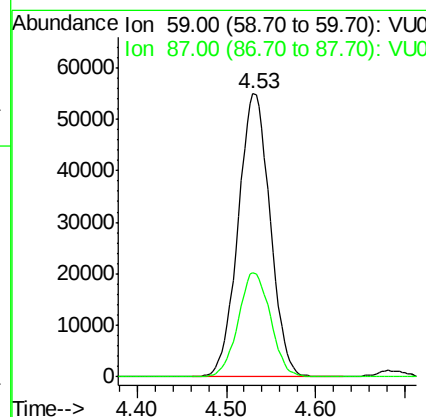
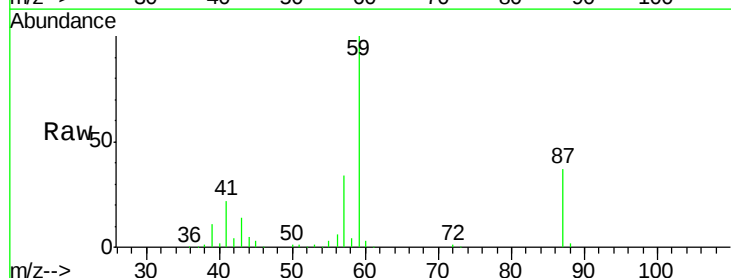
Manual Integrations
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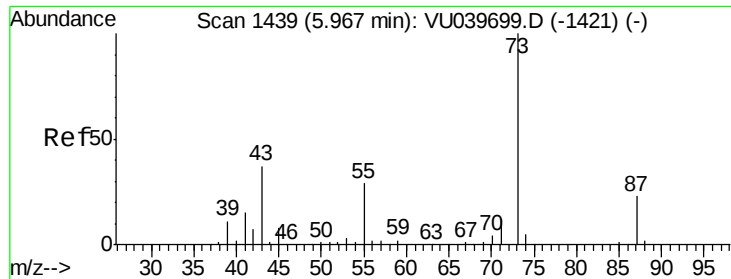
MMDadoda
7/31/2020 3:42:57 PM



#32
Ethyl-t-butyl ether
Concen: 6.594 ug/l
RT: 4.53 min Scan# 992
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion: 59 Resp: 136786
Ion Ratio Lower Upper
59 100
87 37.2 29.4 44.0





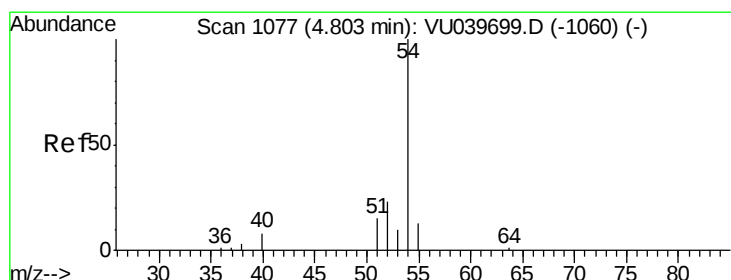
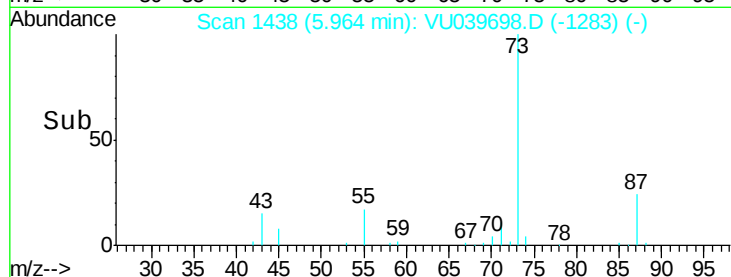
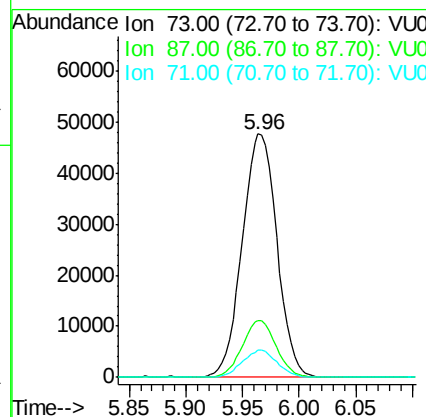
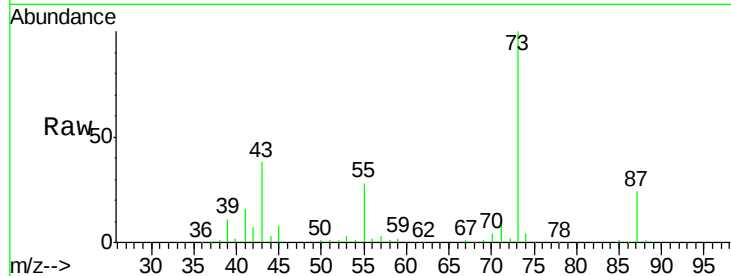
#33
Tert-Butyl methyl ether
Concen: 5.874 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.7	18.7	28.1
71	11.2	9.1	13.7

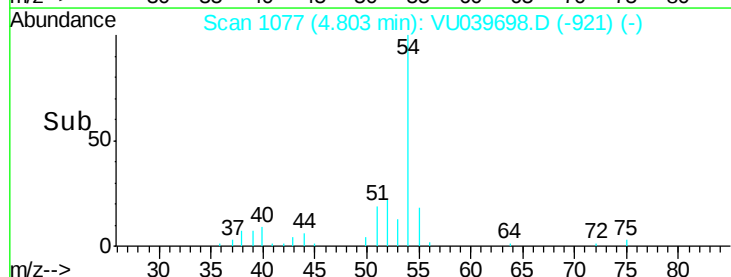
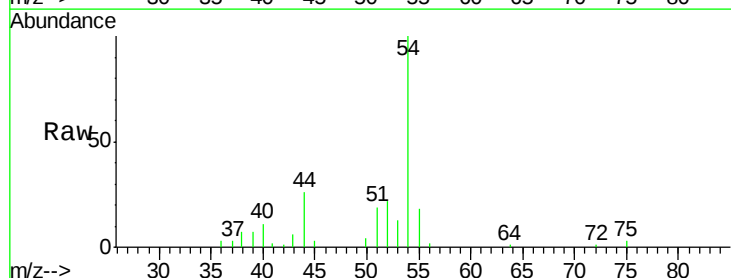
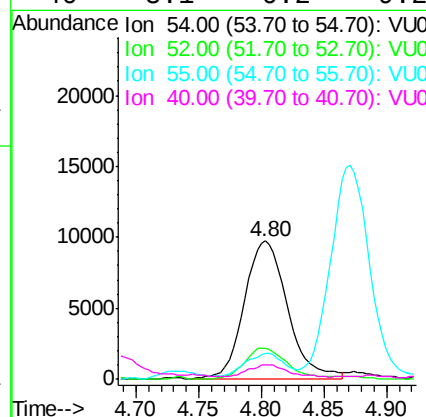
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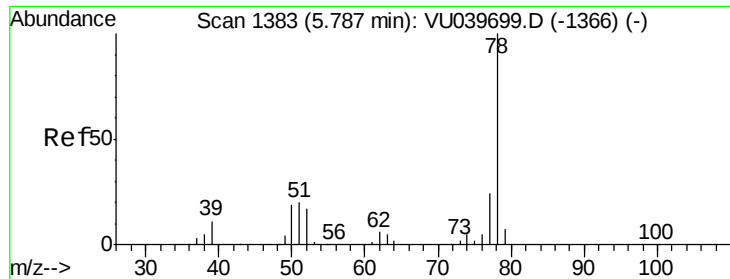
MMDadoda
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#34
Propionitrile
Concen: 35.711 ug/l
RT: 4.80 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
54	100		
52	22.4	16.9	25.3
55	16.4	12.9	19.3
40	8.1	6.2	9.2





#35

Benzene

Concen: 5.875 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 171155

Ion Ratio Lower Upper

78 100

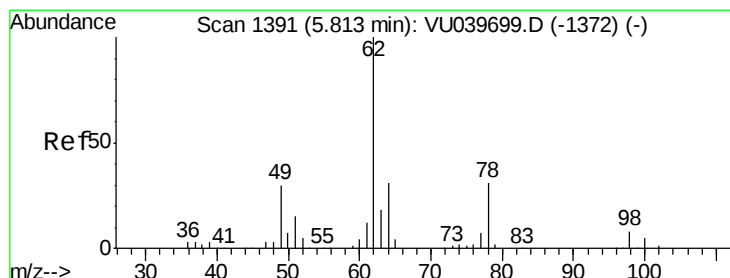
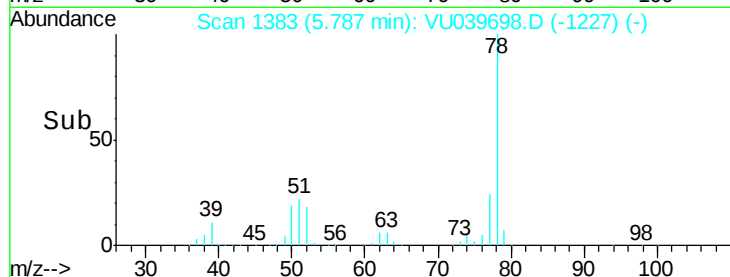
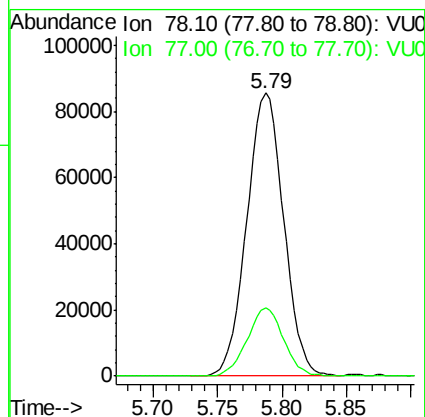
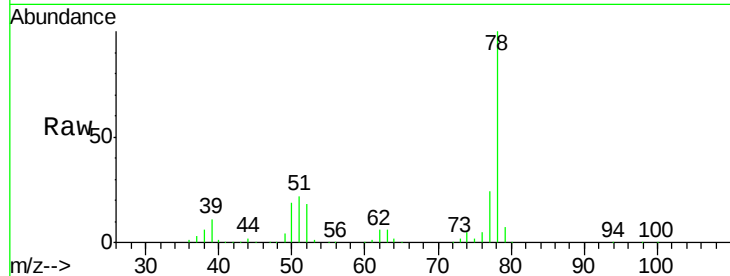
77 24.1 19.2 28.8

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 7.091 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU039698.D

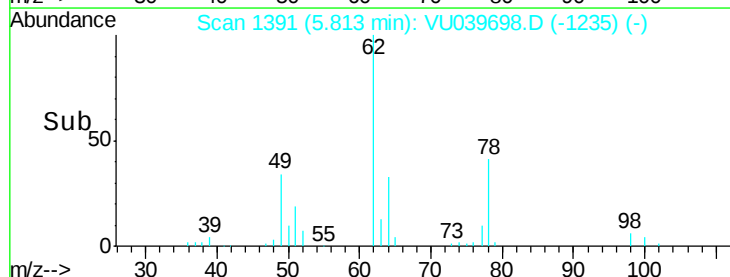
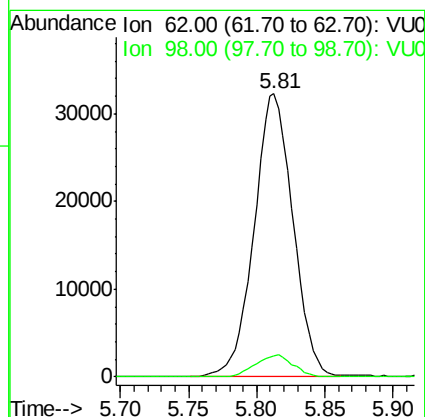
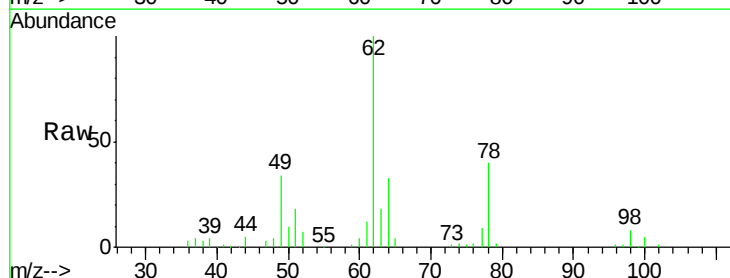
Acq: 29 Jul 2020 12:09

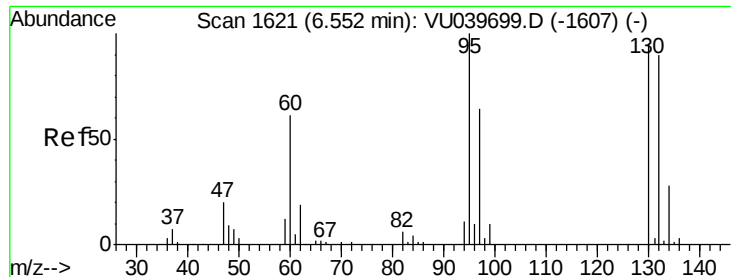
Tgt Ion: 62 Resp: 63910

Ion Ratio Lower Upper

62 100

98 7.4 6.2 9.2





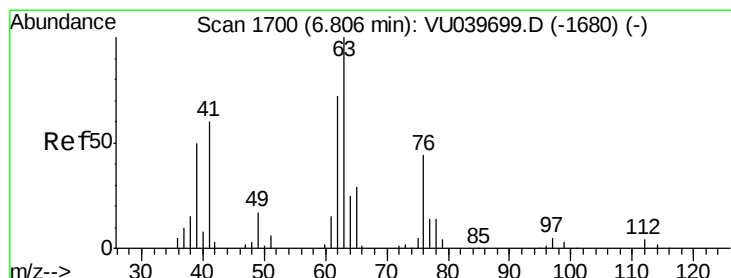
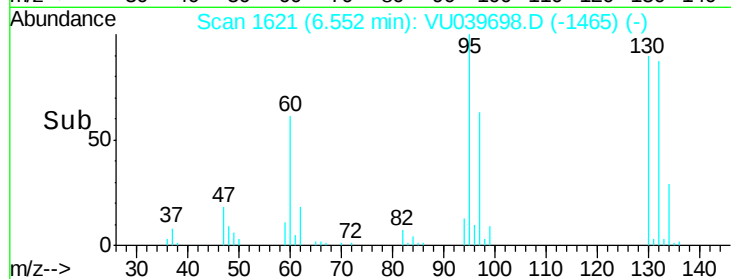
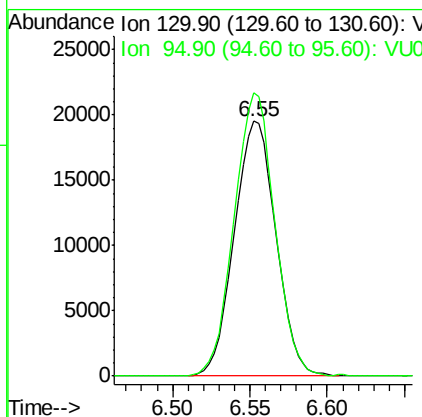
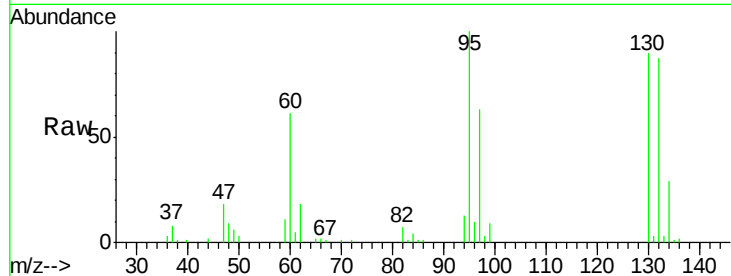
#37
 Trichloroethene
 Concen: 4.851 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 36588
 Ion Ratio Lower Upper
 130 100
 95 111.0 84.3 126.5

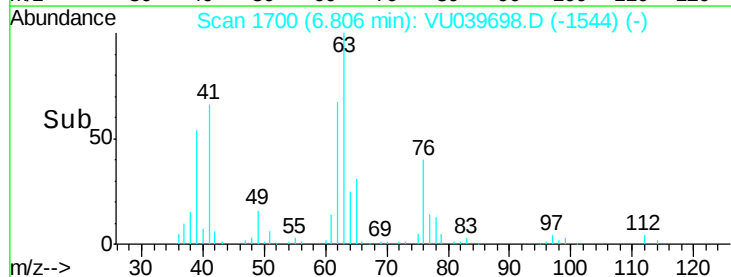
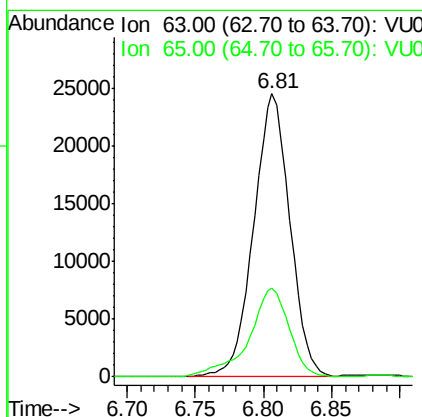
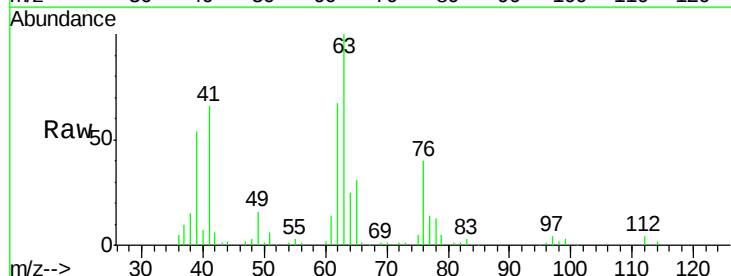
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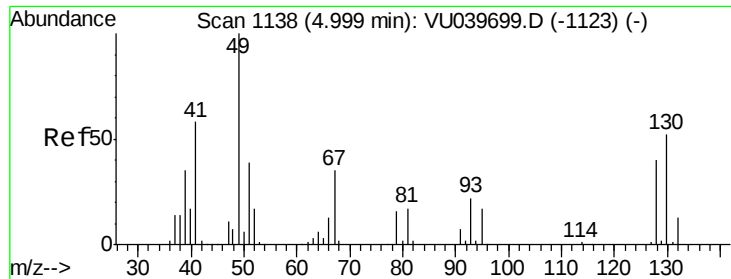
MMDadoda
 7/31/2020 3:42:57 PM



#38
 1,2-Dichloropropane
 Concen: 5.692 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion: 63 Resp: 45265
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.8 35.6





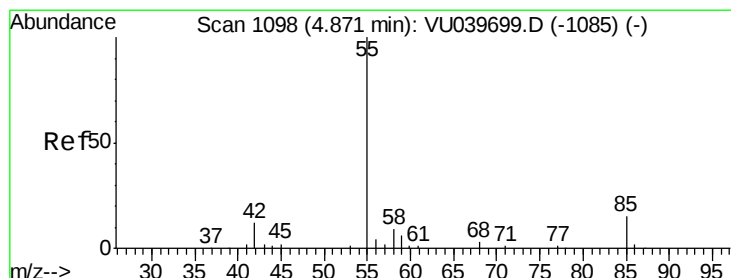
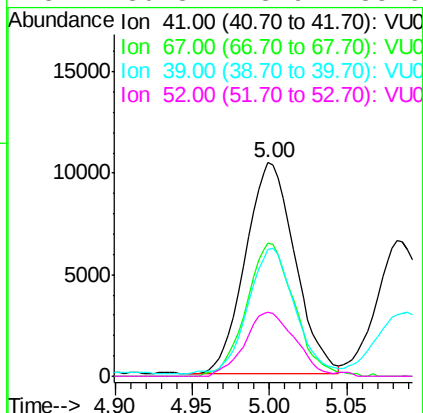
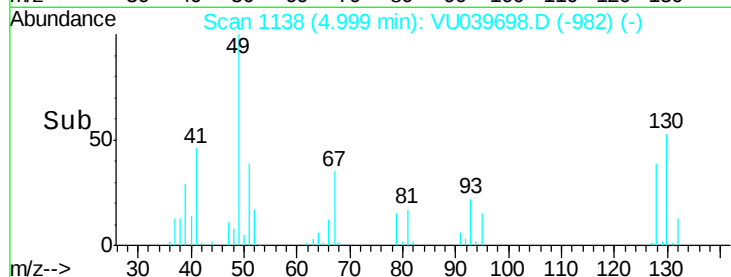
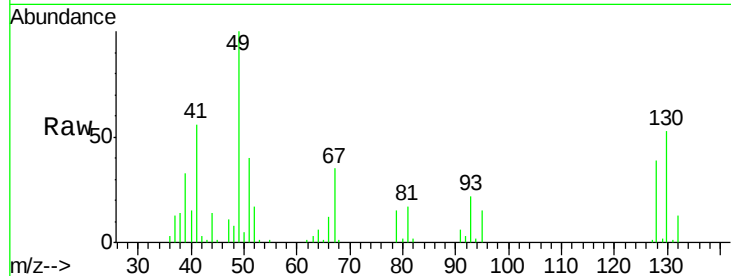
#39
Methacrylonitrile
Concen: 7.491 ug/l
RT: 5.00 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	23119
Ion	Ratio	Lower	Upper
41	100		
67	60.9	48.3	72.5
39	55.5	47.6	71.4
52	30.8	23.9	35.9

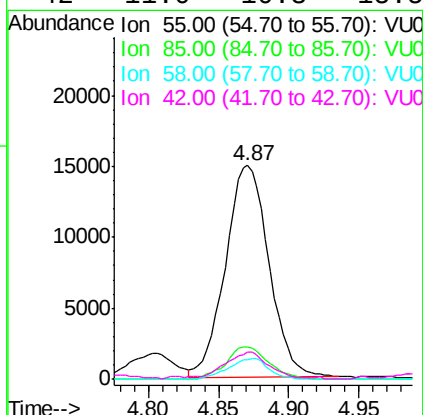
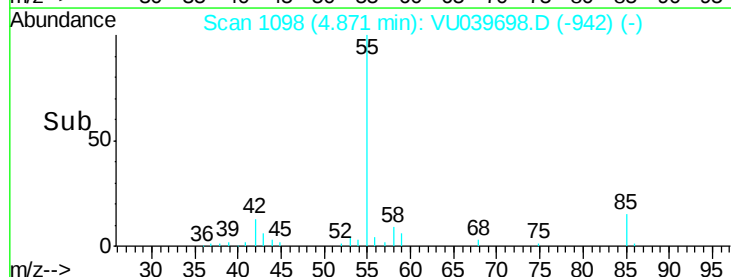
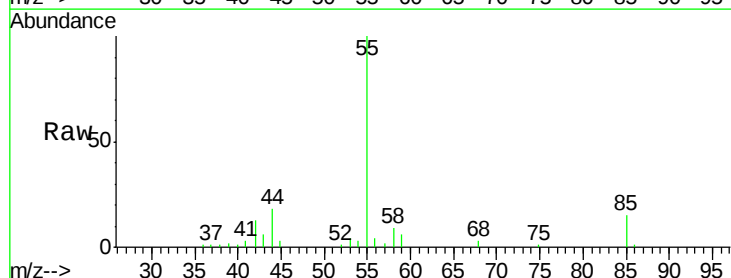
Manual Integrations
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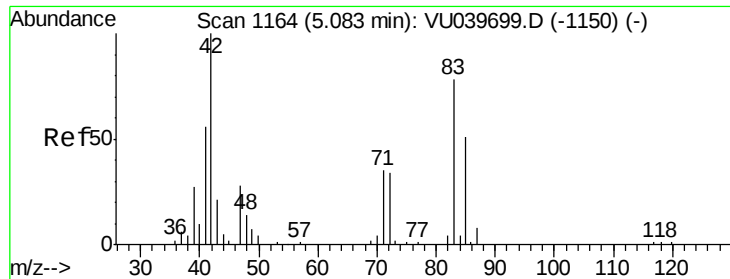
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#40
Methyl acrylate
Concen: 7.179 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	55	Resp	32179
Ion	Ratio	Lower	Upper
55	100		
85	14.8	11.4	17.0
58	8.9	7.4	11.0
42	11.0	10.3	15.5





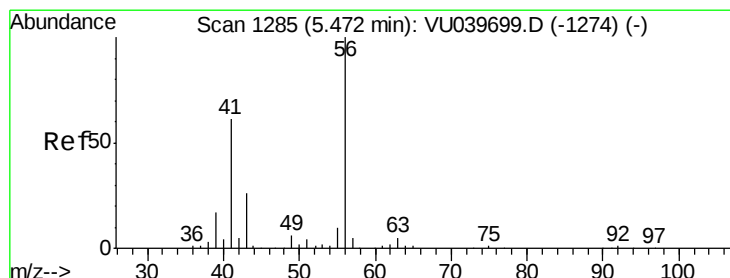
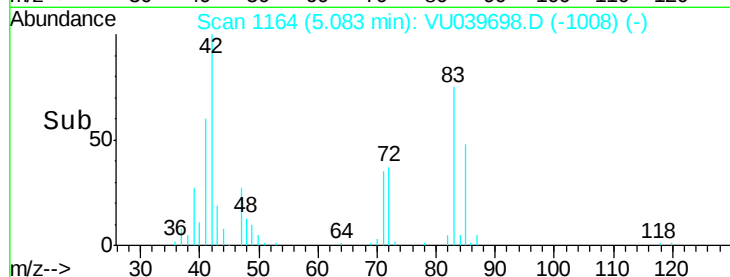
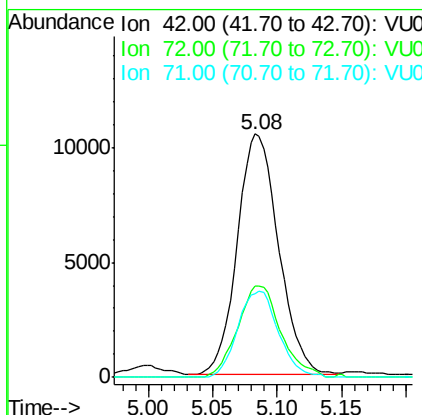
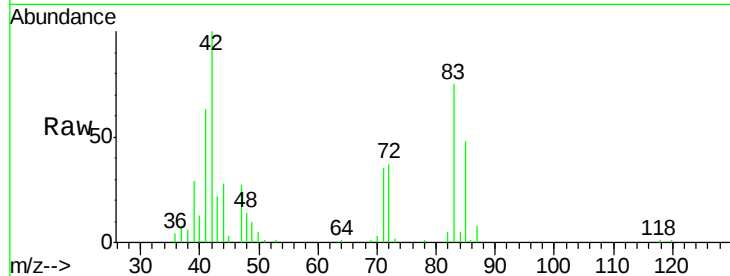
#41
Tetrahydrofuran
Concen: 15.013 ug/l
RT: 5.08 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.0	46.6
71	35.4	28.2	42.4

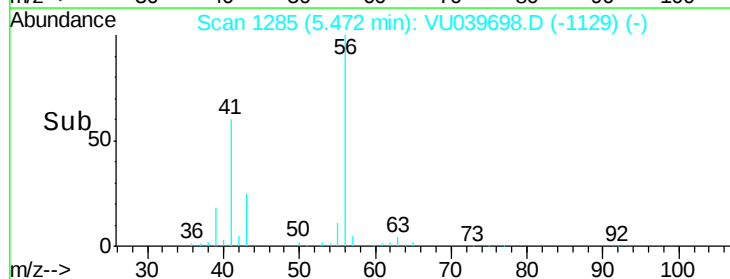
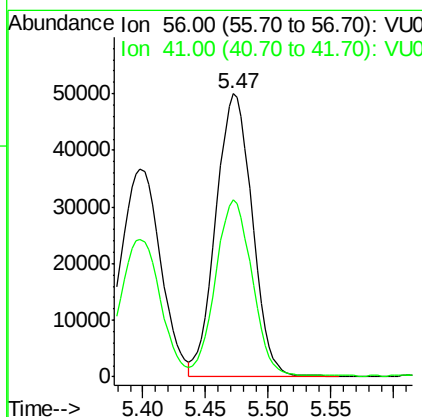
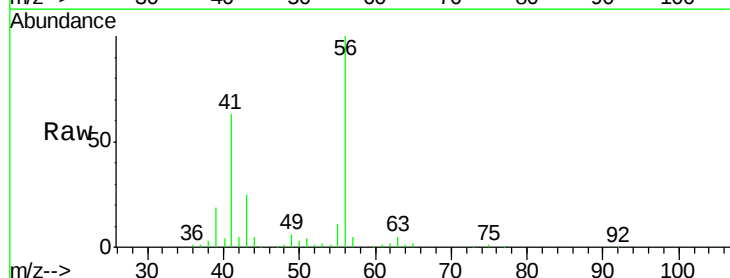
Manual Integrations
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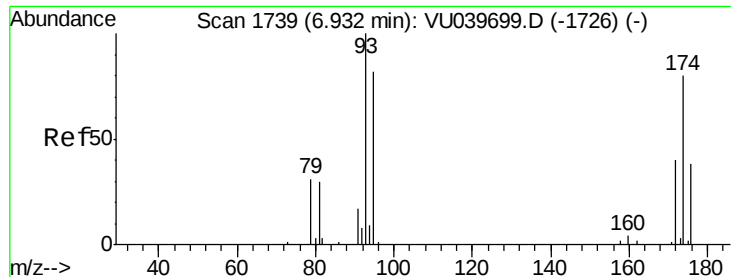
MMDadoda
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#42
1-Chlorobutane
Concen: 6.430 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
56	100		
41	61.9	30.5	91.5





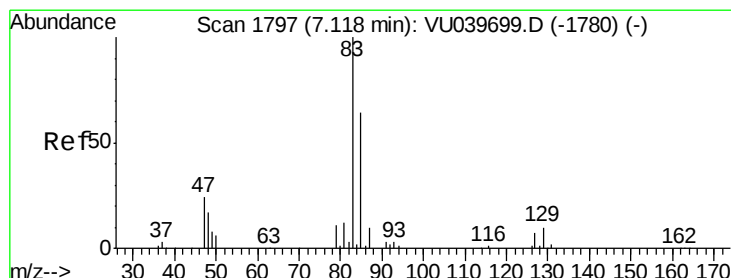
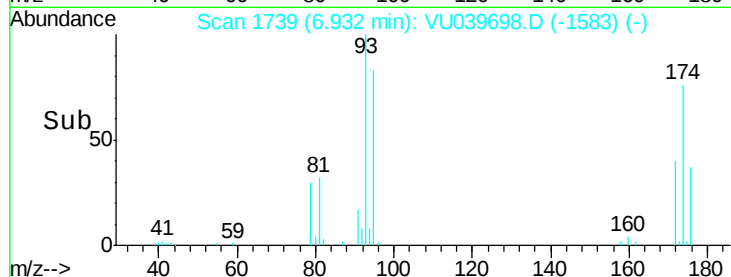
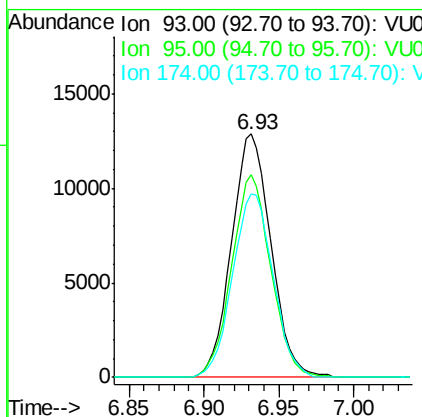
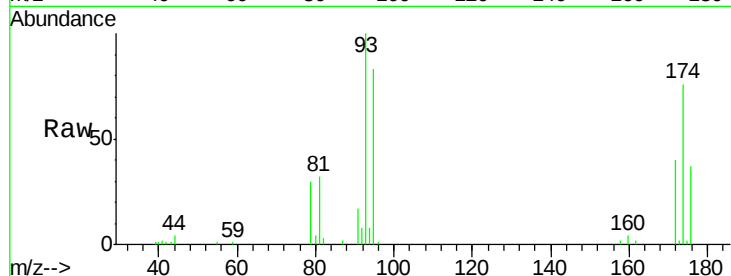
#43
Dibromomethane
Concen: 6.263 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.6	99.8
174	77.3	62.7	94.1

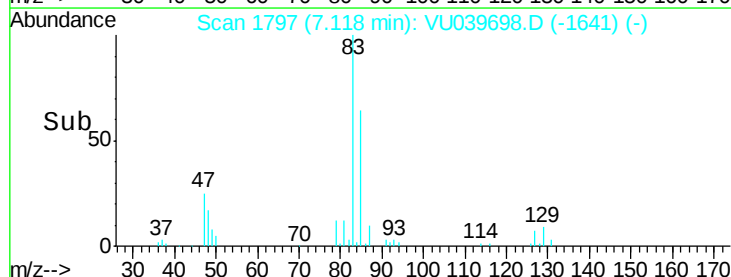
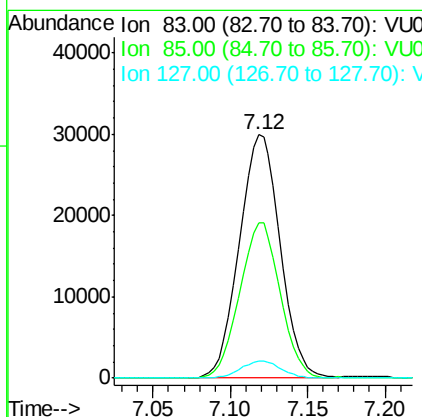
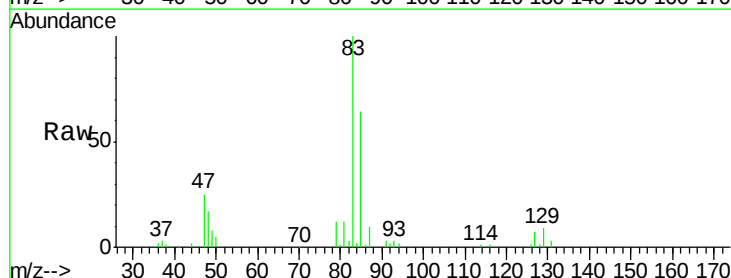
Manual Integrations
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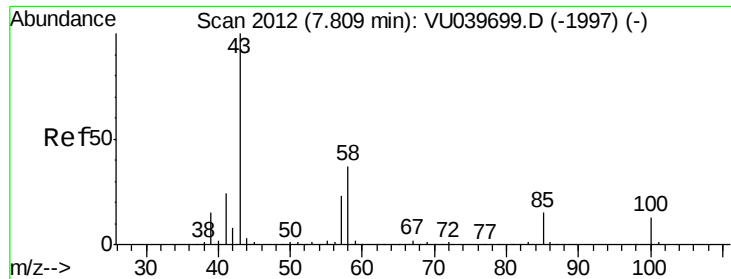
MMDadoda
7/31/2020 3:42:57 PM



#44
Bromodichloromethane
Concen: 5.857 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.8	76.2
127	7.1	5.8	8.6





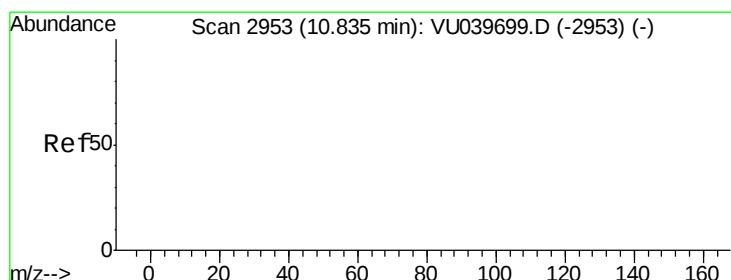
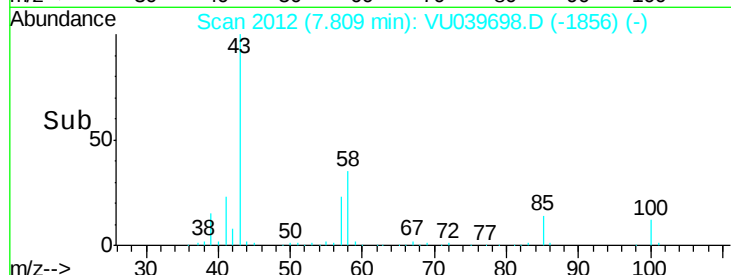
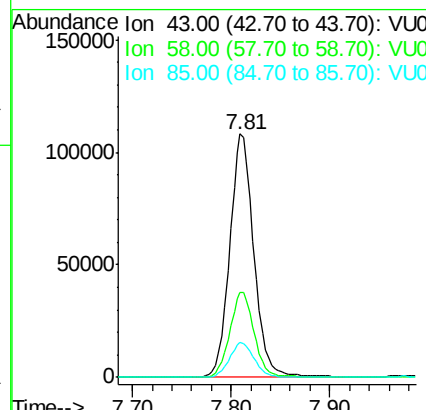
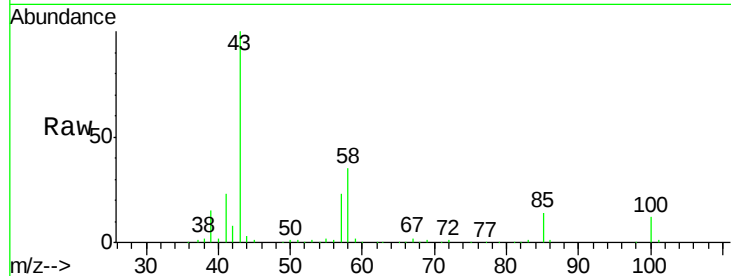
#45
4-Methyl-2-Pentanone
Concen: 34.816 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.2	18.4	55.0
85	14.6	11.8	17.6

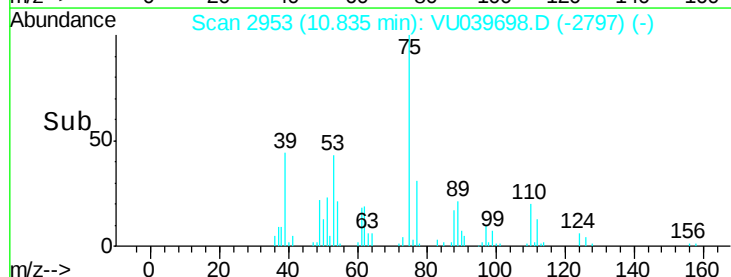
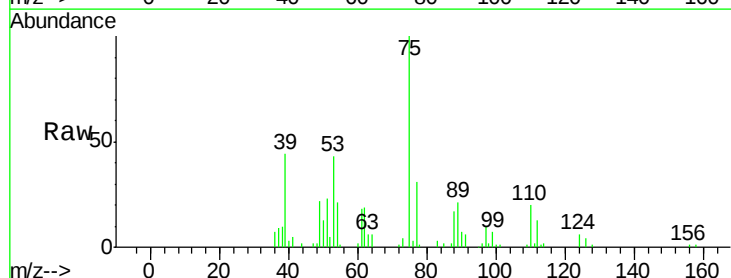
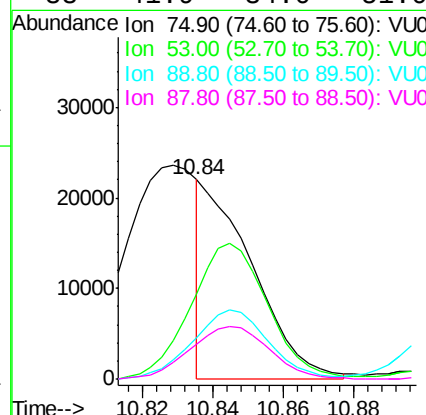
Manual Integrations
APPROVED

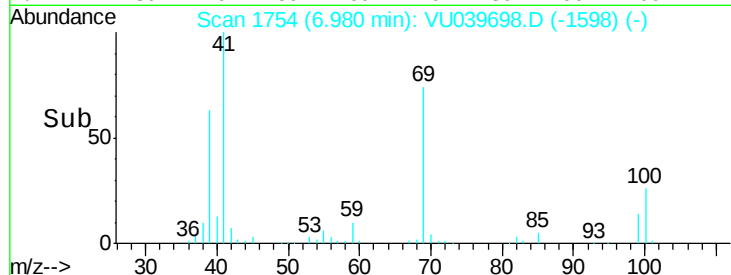
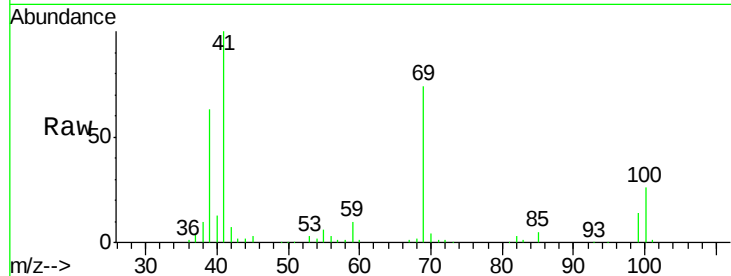
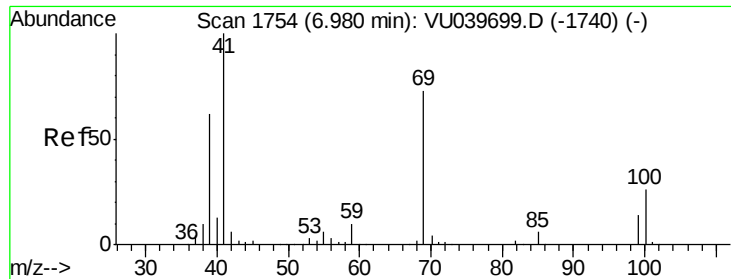
MMDadoda
7/31/2020 3:42:57 PM



#46
t-1,4-Dichloro-2-butene
Concen: 13.384 ug/l m
RT: 10.84 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
53	104.4	78.6	118.0
89	52.7	40.3	60.5
88	41.9	34.0	51.0





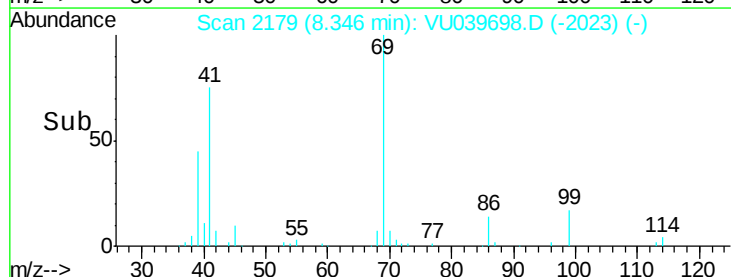
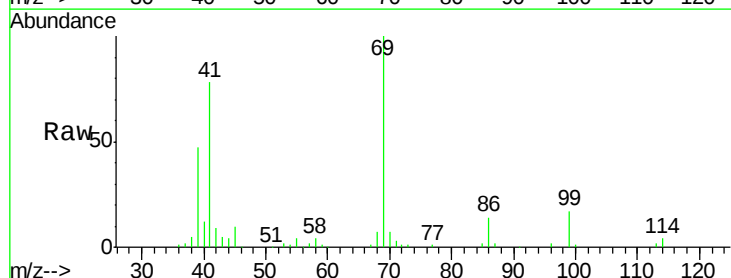
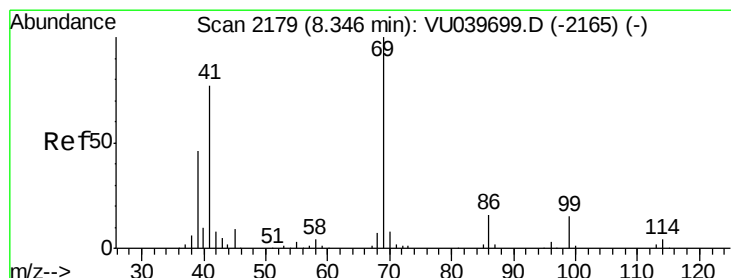
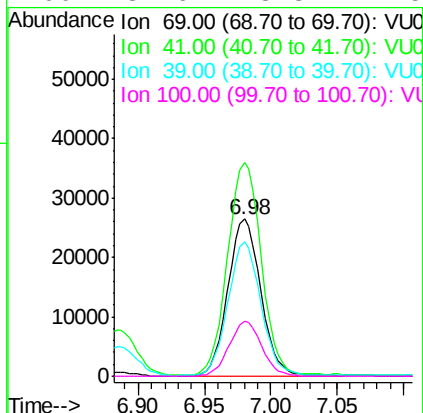
#47
Methyl methacrylate
Concen: 11.991 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tot Ion	Ratio	Lower	Upper
69	100		
41	136.8	0.0	271.6
39	86.2	67.4	101.2
100	34.6	28.3	42.5

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

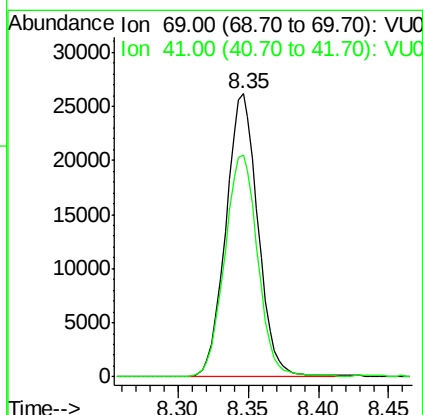
Manual Integrations
APPROVED

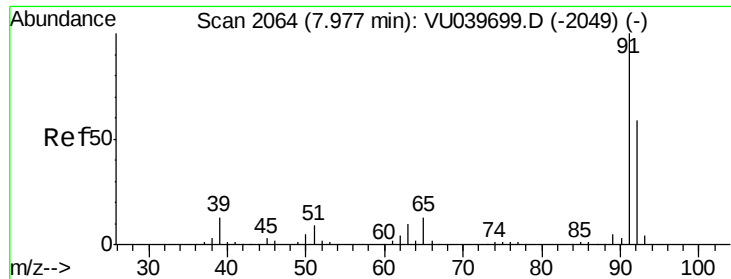
MMDadoda
7/31/2020 3:42:57 PM



#48
Ethyl methacrylate
Concen: 5.914 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	80.8	39.1	117.5





#49

Toluene

Concen: 5.343 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 98321

Ion Ratio Lower Upper

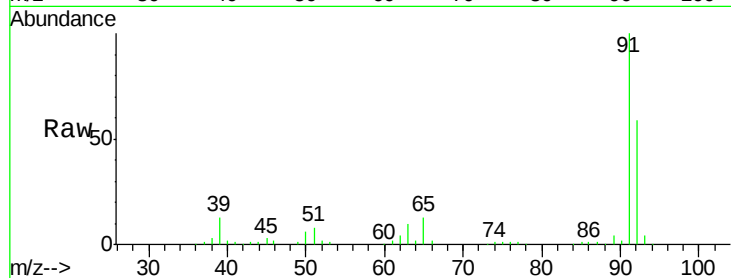
92 100

91 168.6 136.1 204.1

Manual Integrations
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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) (-)

7.98

100000

80000

60000

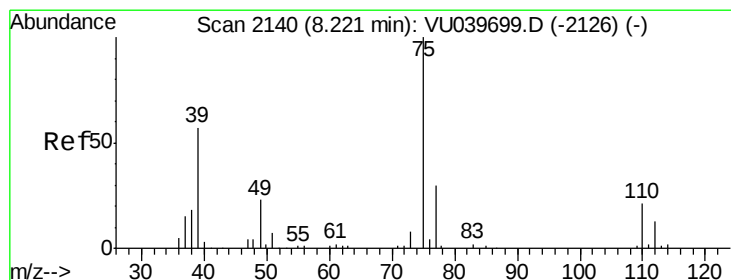
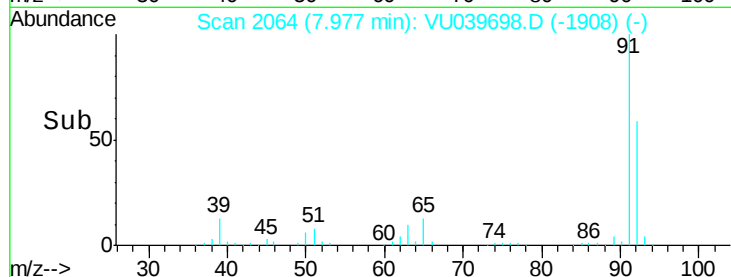
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#50

t-1,3-Dichloropropene

Concen: 5.448 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039698.D

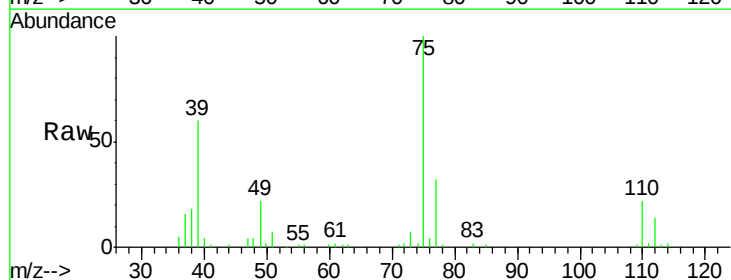
Acq: 29 Jul 2020 12:09

Tgt Ion: 75 Resp: 51494

Ion Ratio Lower Upper

75 100

77 32.0 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) (-)

8.22

30000

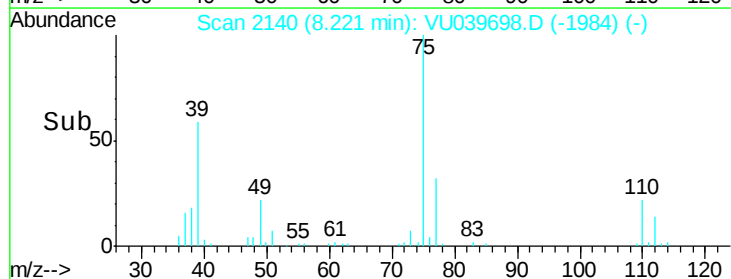
20000

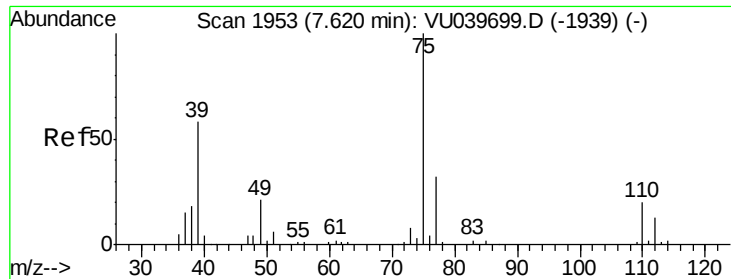
10000

0

8.15 8.20 8.25 8.30

Time-->





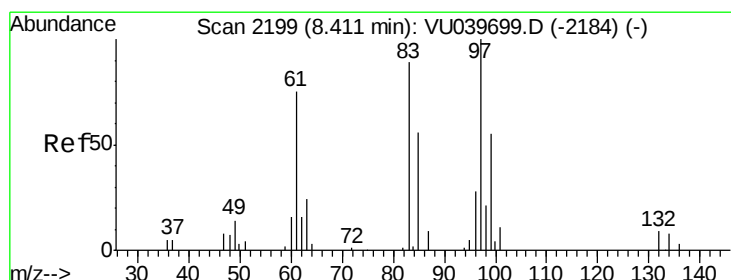
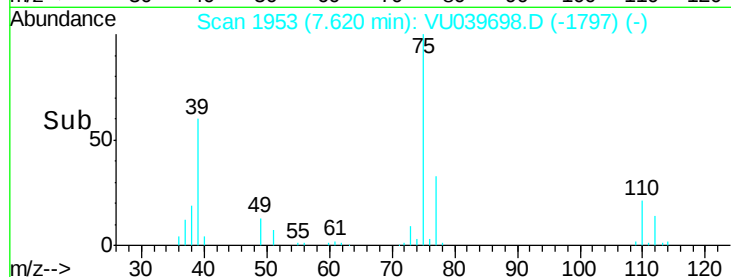
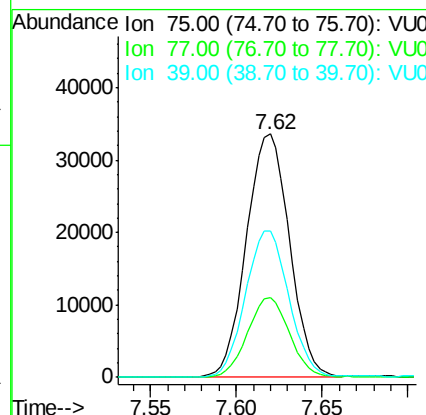
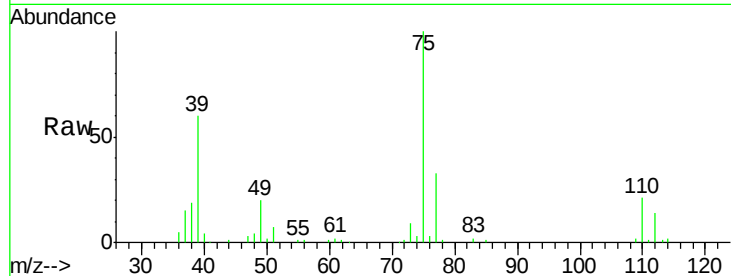
#51
 cis-1,3-Dichloropropene
 Concen: 5.205 ug/l
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.7	38.5
39	60.2	46.1	69.1

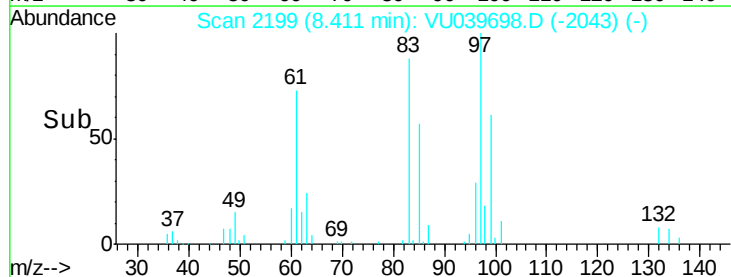
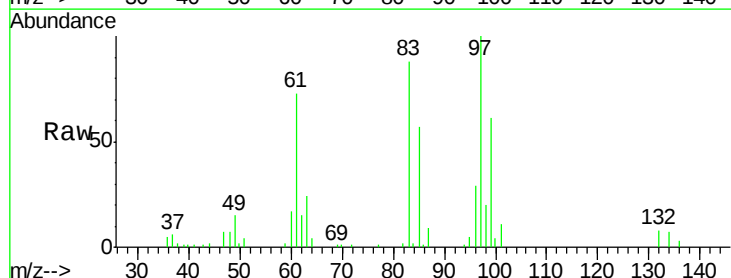
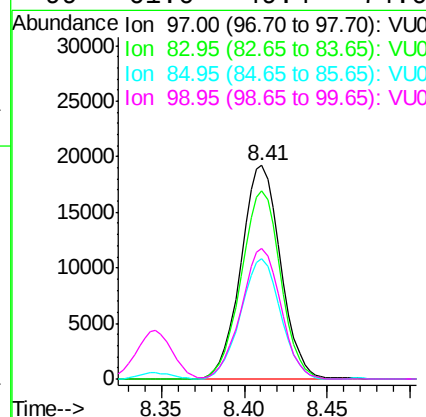
Manual Integrations
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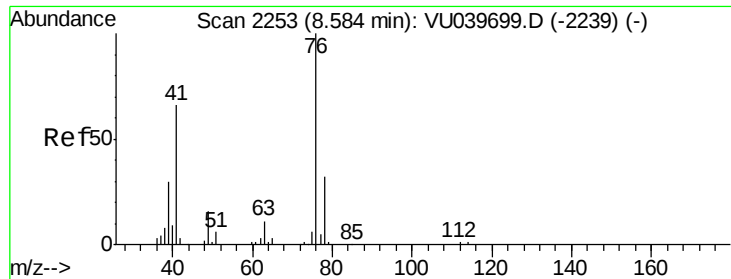
MMDadoda
 7/31/2020 3:42:57 PM



#52
 1,1,2-Trichloroethane
 Concen: 6.063 ug/l
 RT: 8.41 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.3	106.9
85	56.5	45.4	68.2
99	61.0	49.4	74.0





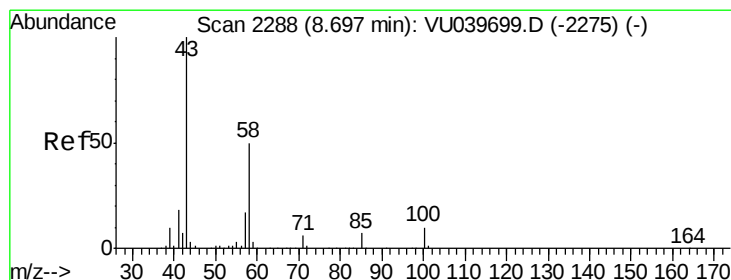
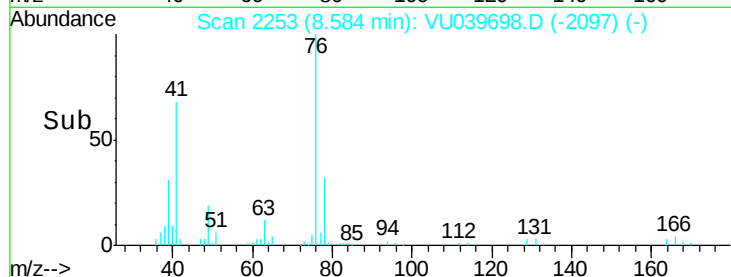
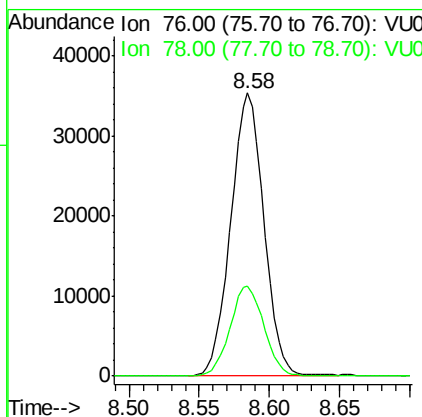
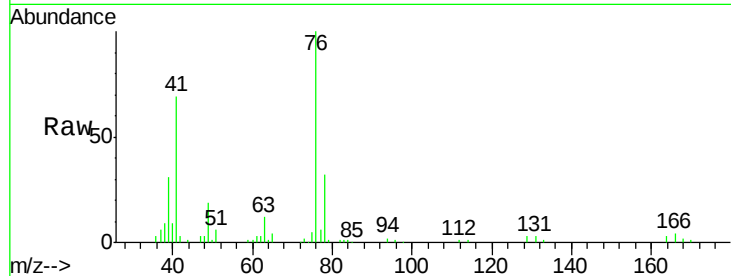
#53
 1,3-Dichloropropane
 Concen: 5.881 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.2

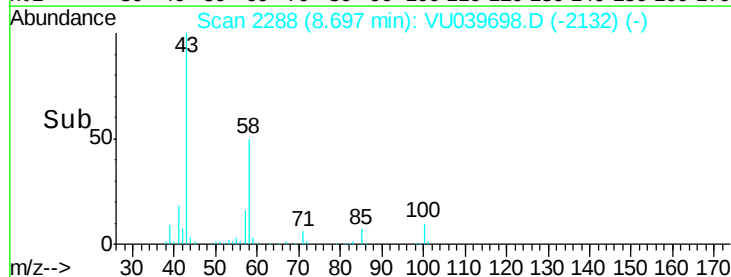
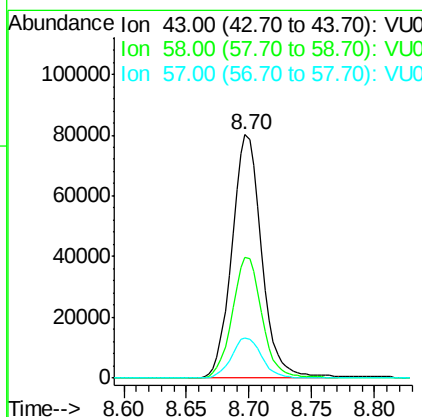
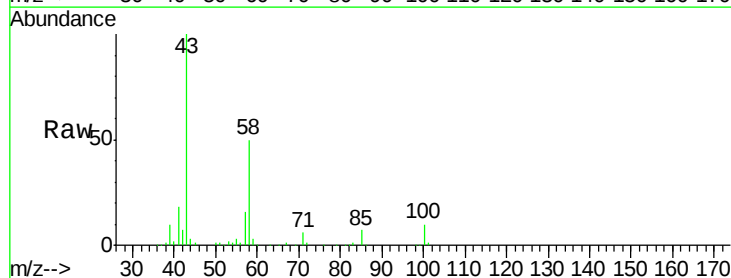
Manual Integrations
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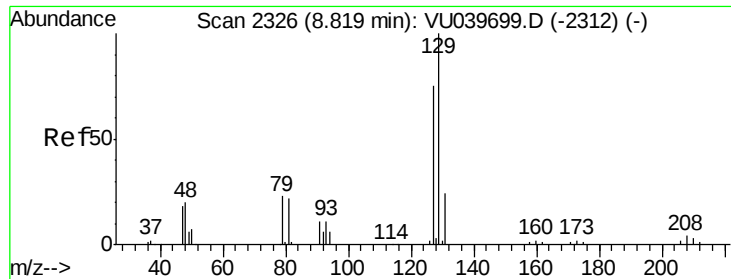
MMDadoda
 7/31/2020 3:42:57 PM



#54
 2-Hexanone
 Concen: 35.155 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.3	29.9	69.9
57	17.0	0.0	37.2





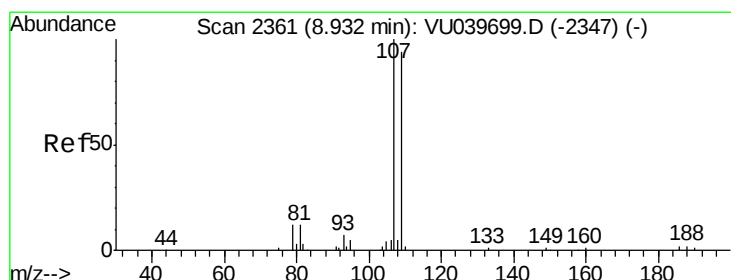
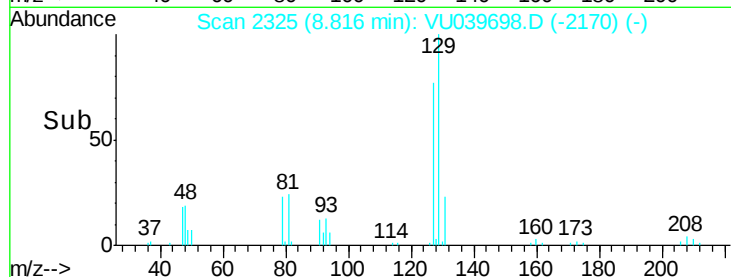
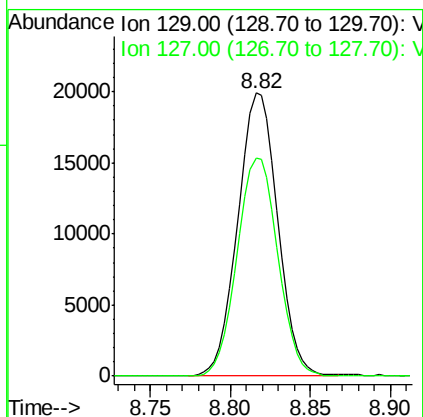
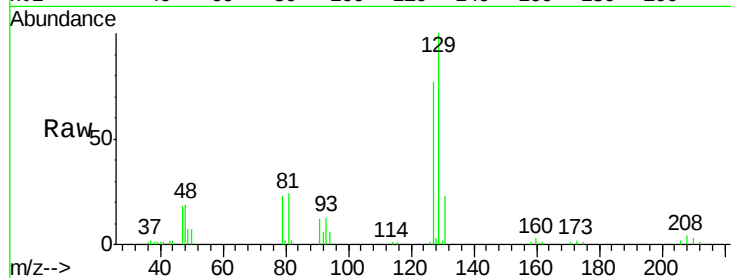
#55
Dibromochloromethane
Concen: 5.789 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.7	62.4	93.6

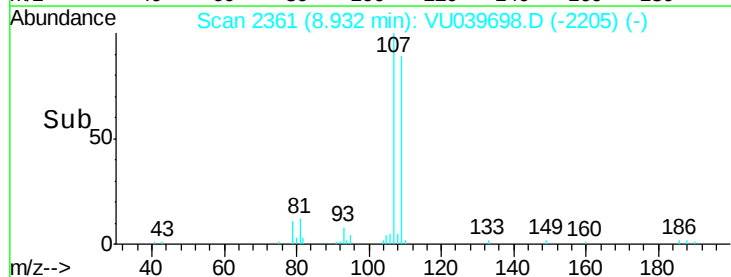
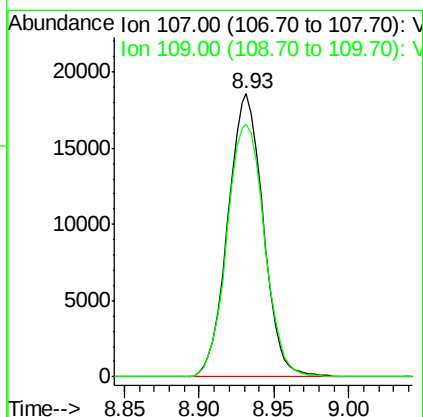
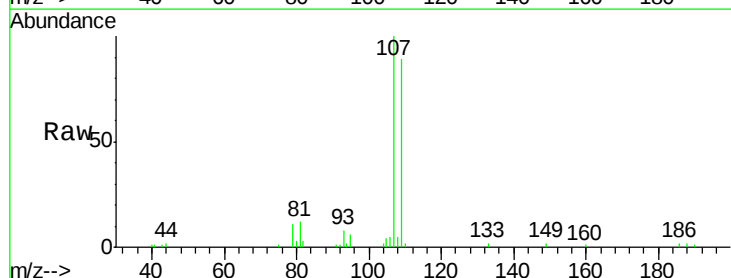
Manual Integrations
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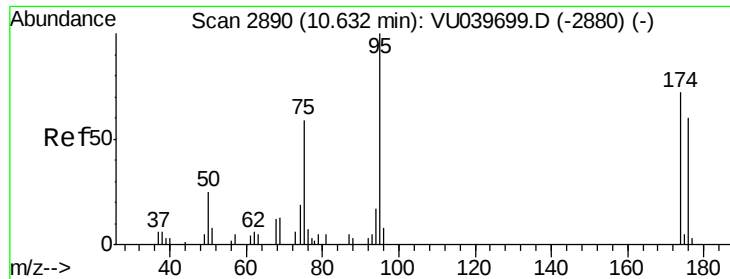
MMDadoda
7/31/2020 3:42:57 PM



#56
1,2-Dibromoethane
Concen: 6.088 ug/l
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	0.0	185.2





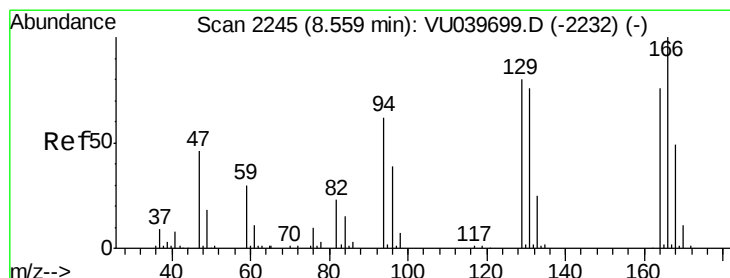
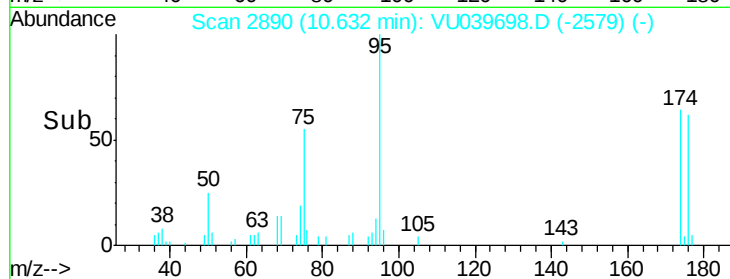
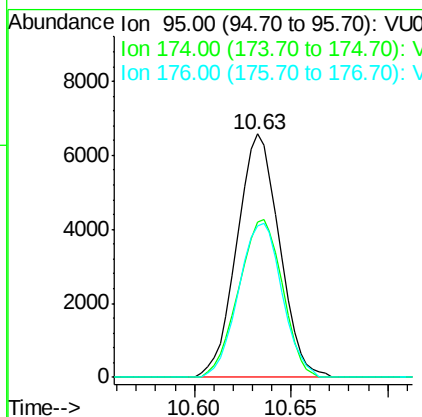
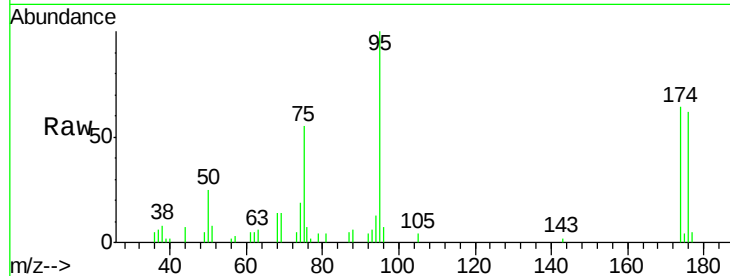
#57
4-Bromofluorobenzene
Concen: 1.053 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	95	Resp	10078
Ion Ratio	100	Lower	Upper
95	100		
174	66.7	57.0	85.4
176	64.8	50.2	75.2

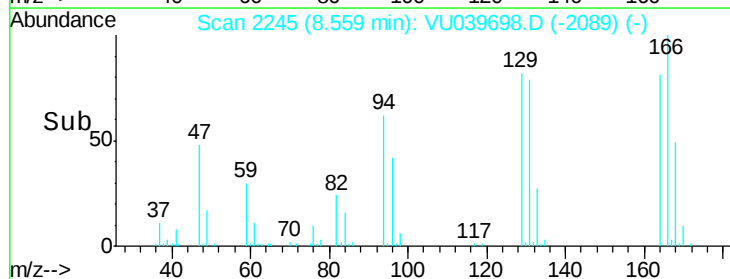
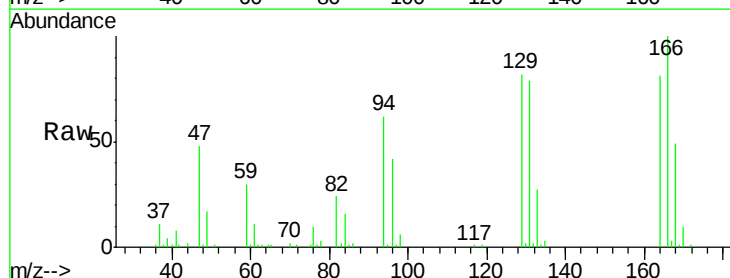
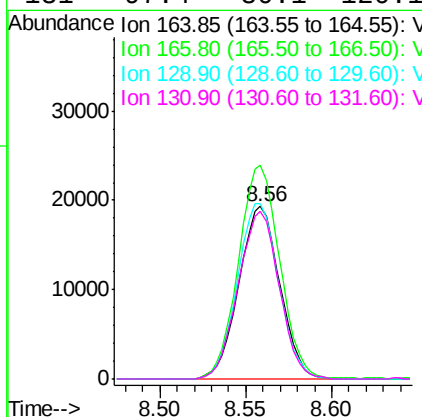
Manual Integrations
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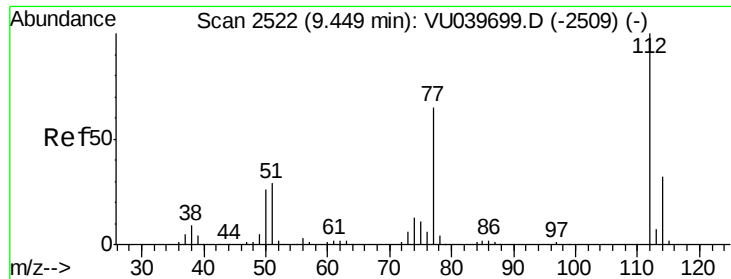
MMDadoda
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#58
Tetrachloroethene
Concen: 4.607 ug/l
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	164	Resp	31860
Ion Ratio	100	Lower	Upper
164	100		
166	123.7	104.8	157.2
129	101.7	84.1	126.1
131	97.4	80.1	120.1





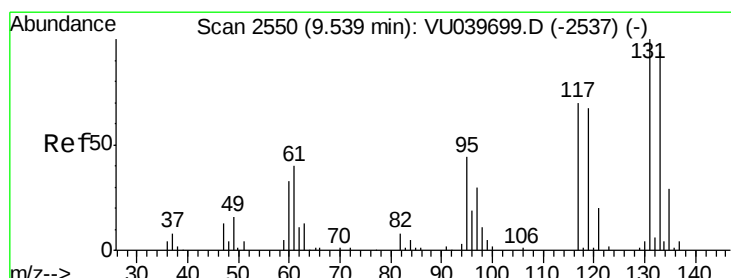
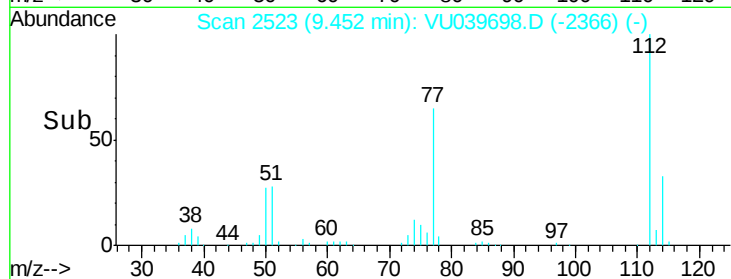
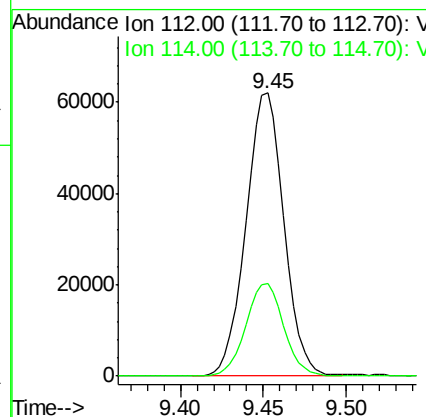
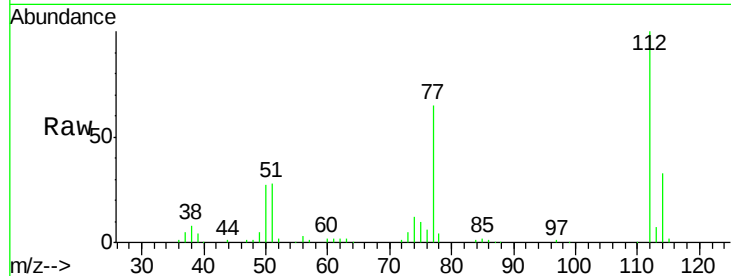
#59
Chlorobenzene
Concen: 5.081 ug/l
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 98886
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

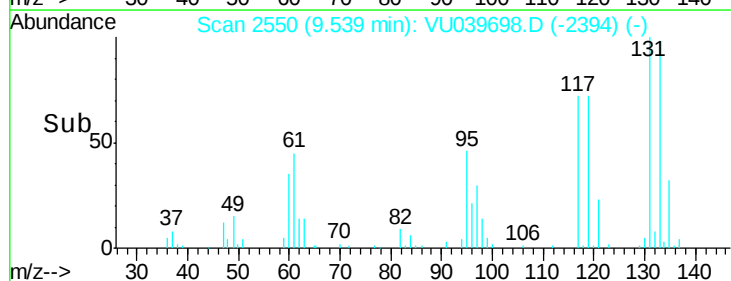
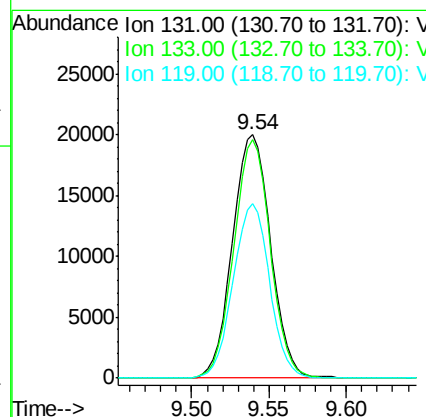
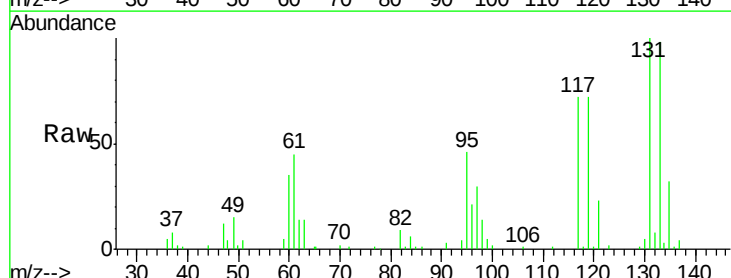
Manual Integrations
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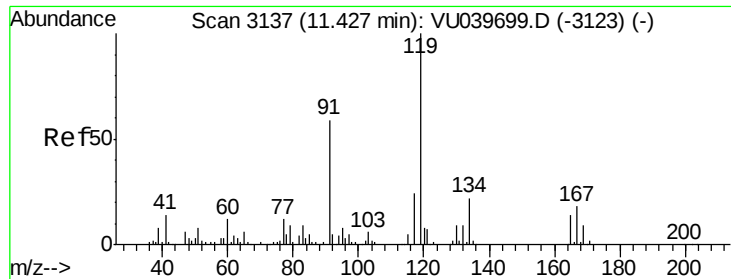
MMDadoda
7/31/2020 3:42:57 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 5.718 ug/l
RT: 9.54 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion:131 Resp: 34254
Ion Ratio Lower Upper
131 100
133 93.6 75.8 113.8
119 68.4 54.6 81.8





#61

Pentachloroethane

Concen: 6.615 ug/l

RT: 11.43 min Scan# 3137

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:117 Resp: 30675

Ion Ratio Lower Upper

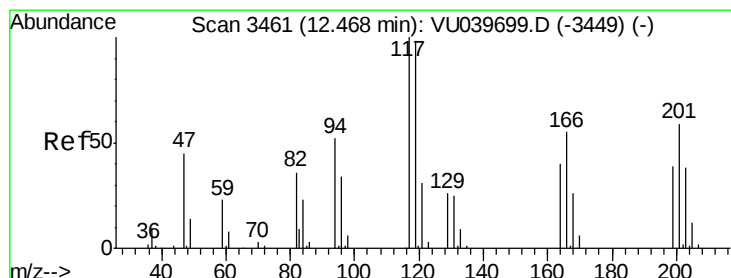
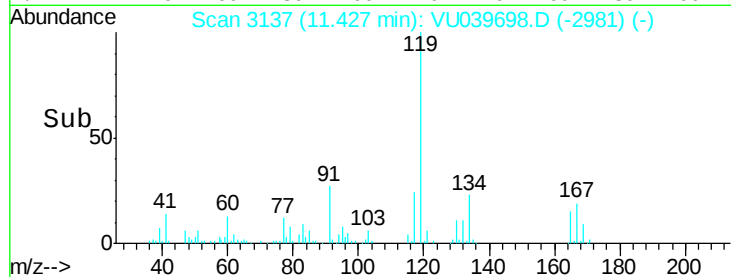
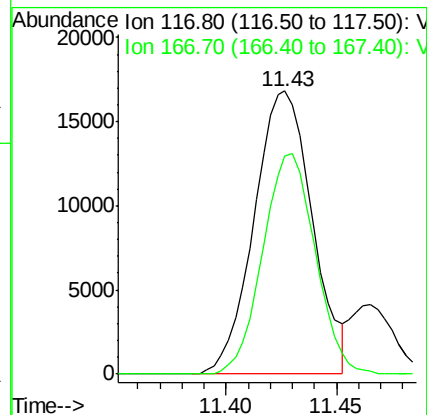
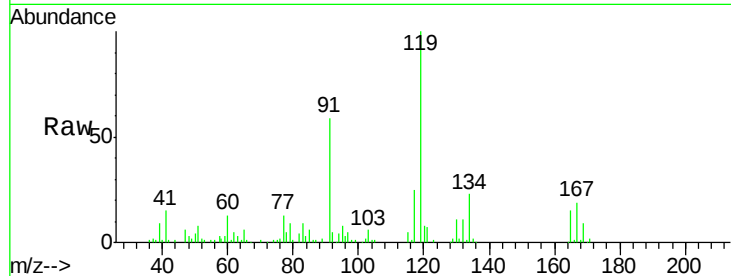
117 100

167 70.3 56.6 85.0

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#62

Hexachloroethane

Concen: 6.014 ug/l

RT: 12.47 min Scan# 3462

Delta R.T. 0.00 min

Lab File: VU039698.D

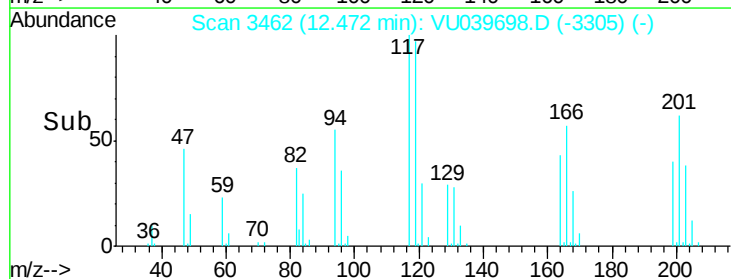
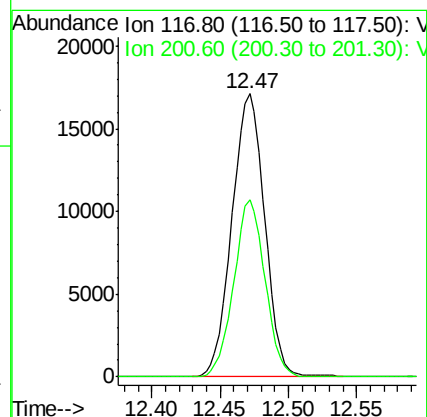
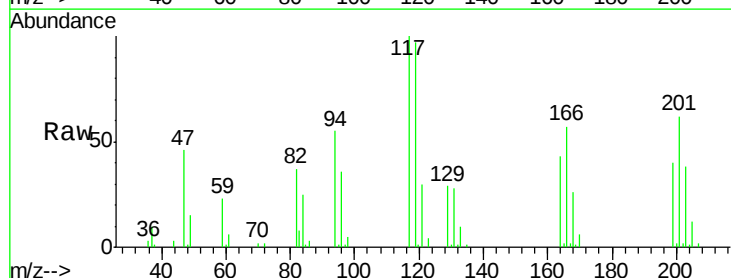
Acq: 29 Jul 2020 12:09

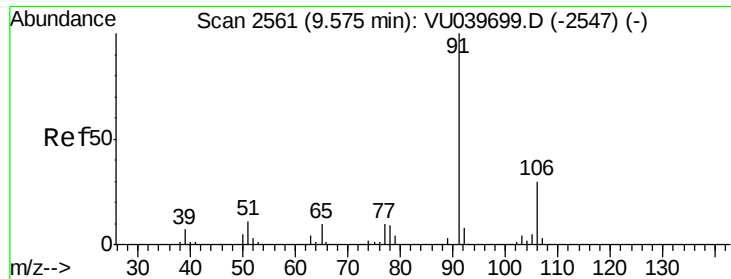
Tgt Ion:117 Resp: 28569

Ion Ratio Lower Upper

117 100

201 59.2 48.1 72.1





#63

Ethyl Benzene

Concen: 5.284 ug/l

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 184161

Ion Ratio Lower Upper

91 100

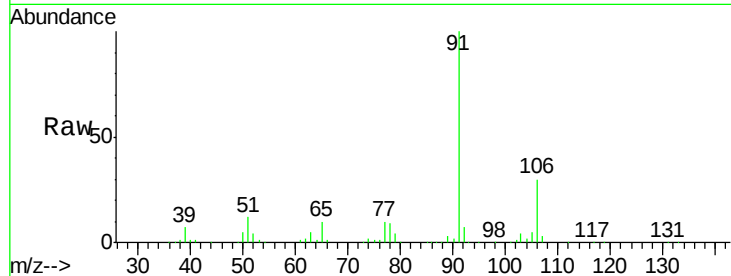
106 29.9 24.2 36.4

Manual Integrations

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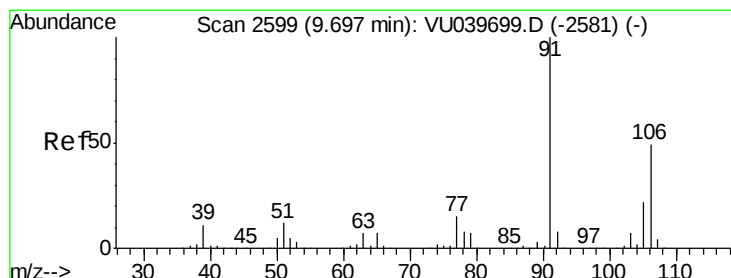
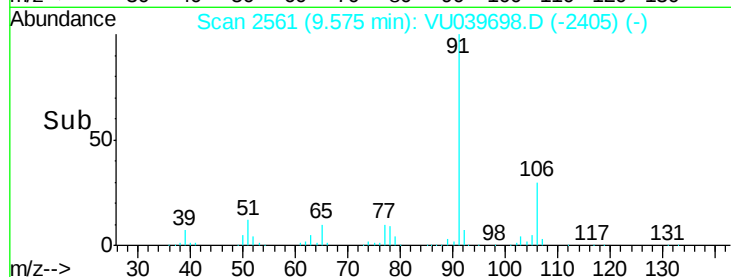
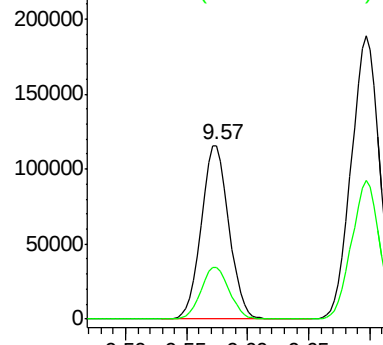
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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#64

m/p-Xylenes

Concen: 11.000 ug/l

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039698.D

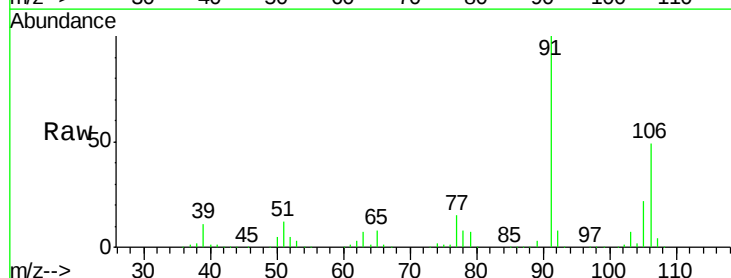
Acq: 29 Jul 2020 12:09

Tgt Ion: 106 Resp: 148040

Ion Ratio Lower Upper

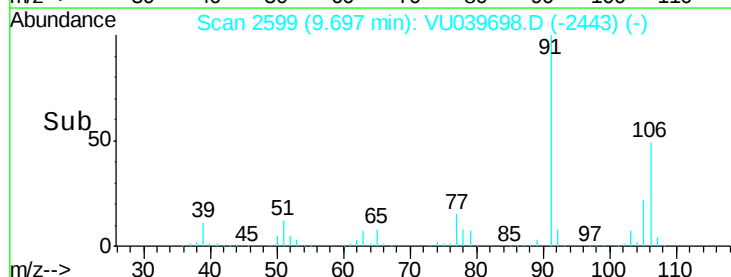
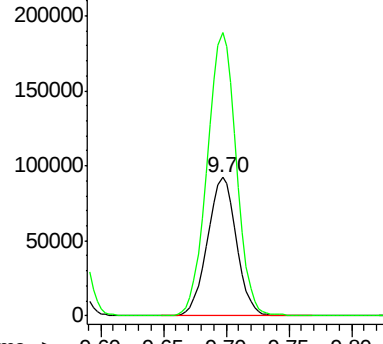
106 100

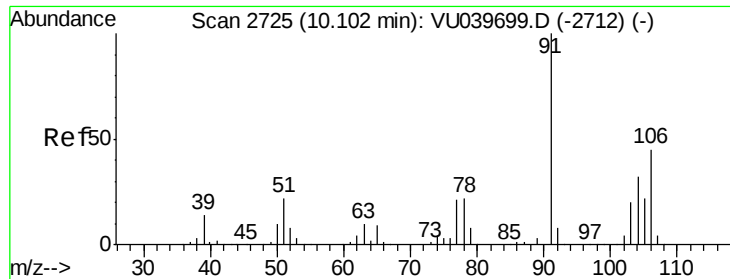
91 204.2 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





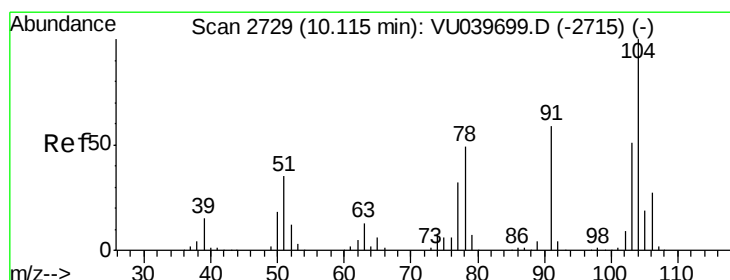
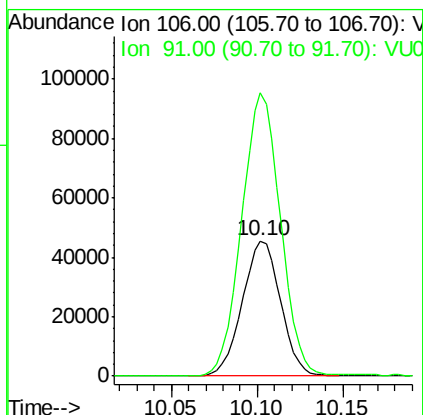
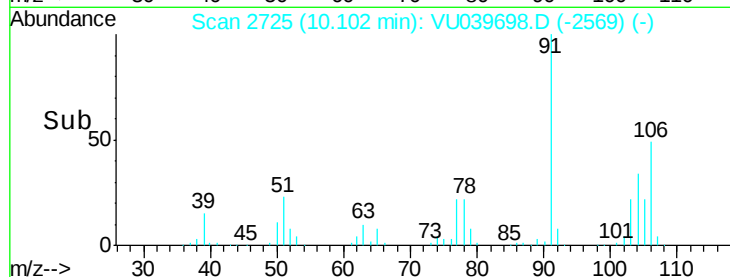
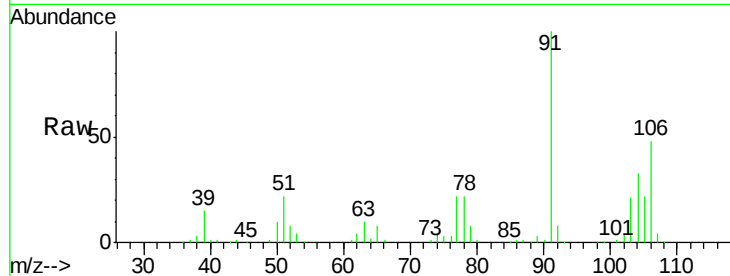
#65
o-Xylene
Concen: 5.396 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 70391
Ion Ratio Lower Upper
106 100
91 213.4 110.3 331.0

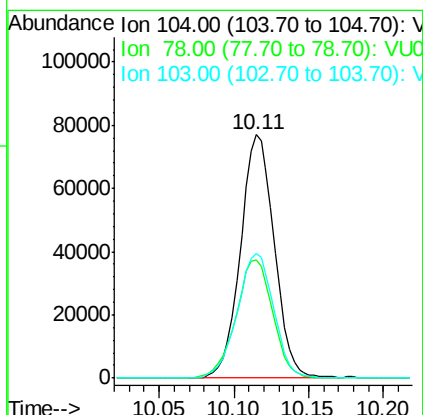
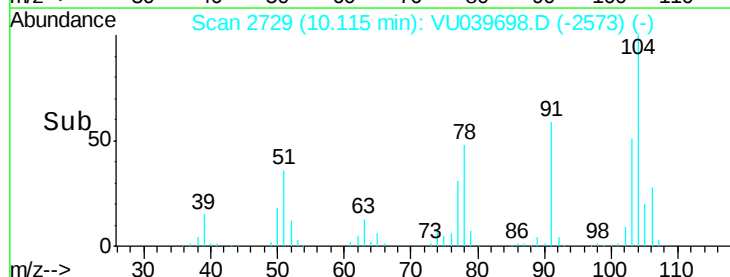
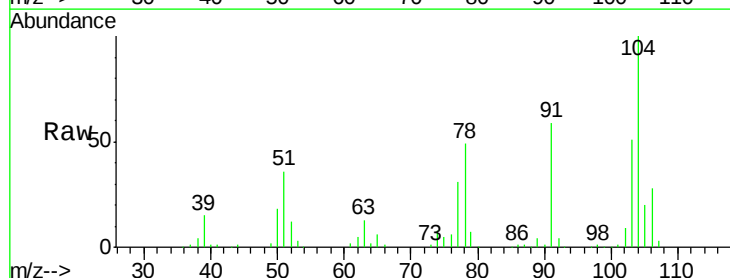
Manual Integrations
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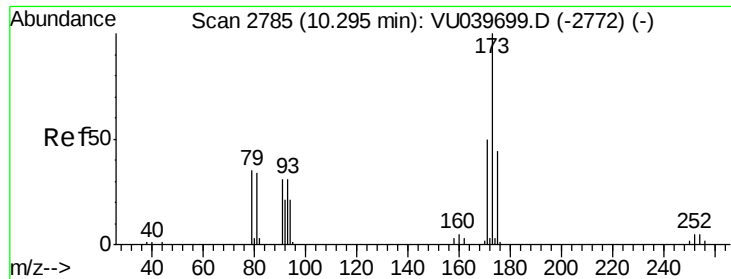
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#66
Styrene
Concen: 5.590 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion:104 Resp: 121128
Ion Ratio Lower Upper
104 100
78 53.1 42.2 63.4
103 55.5 43.4 65.2





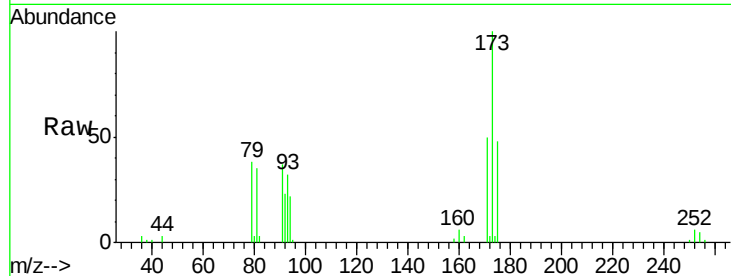
#67
Bromoform
Concen: 5.897 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

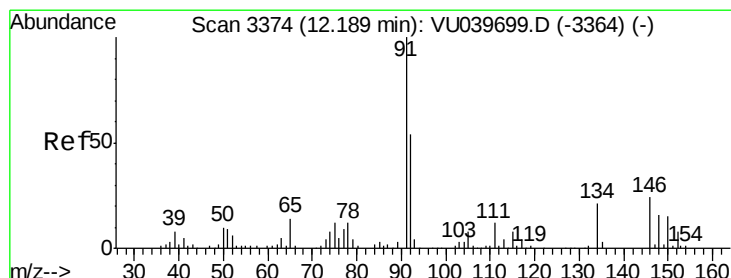
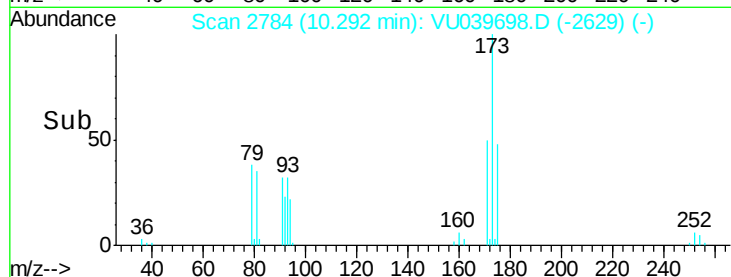
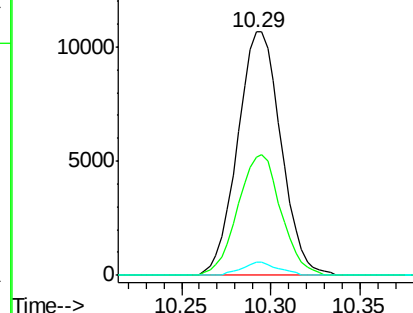
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	36.7	55.1
254	4.5	3.8	5.8

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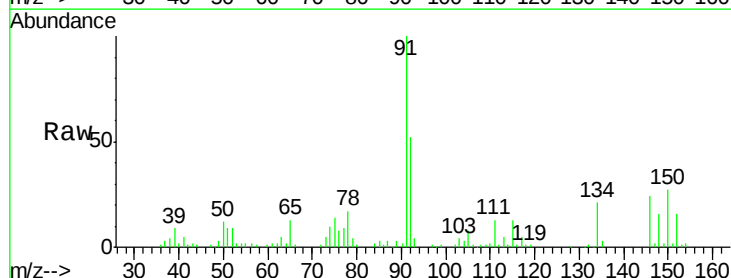


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

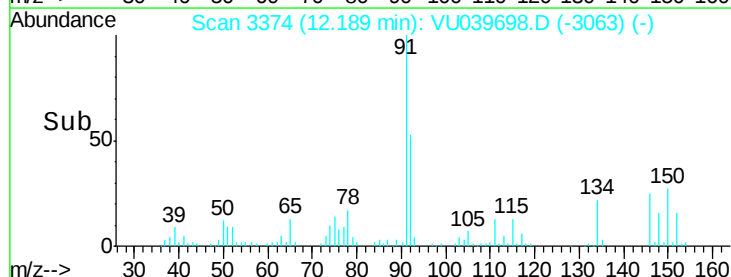
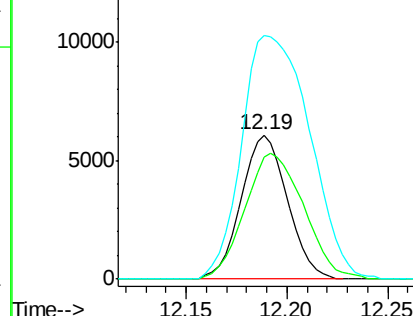


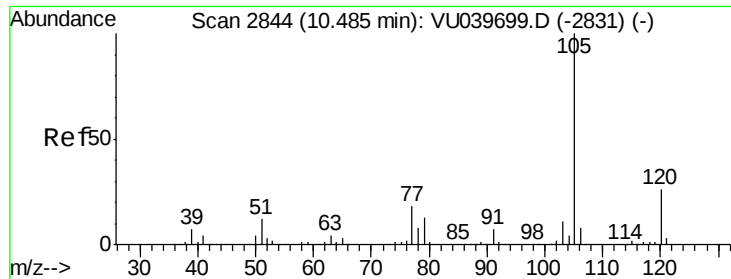
#68
1,2-Dichlorobenzene-d4
Concen: 1.047 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	110.7	0.0	302.4
150	247.3	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





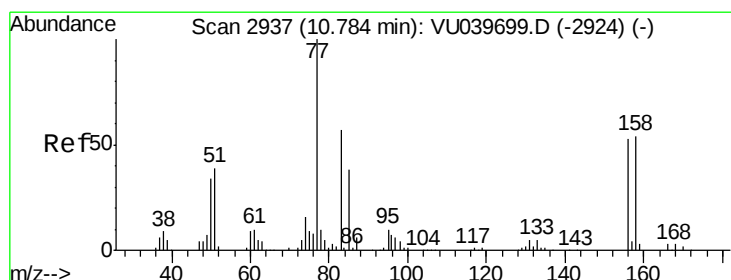
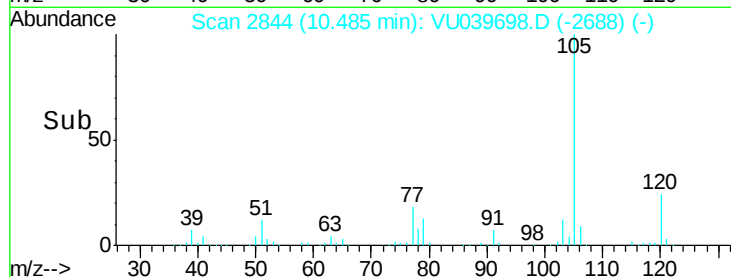
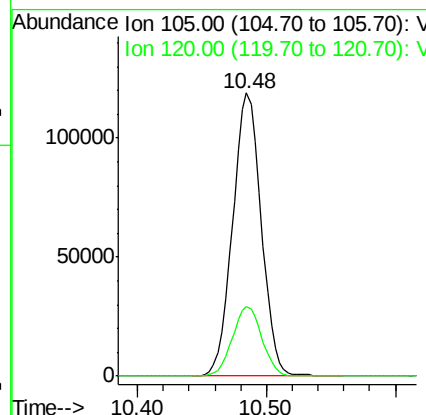
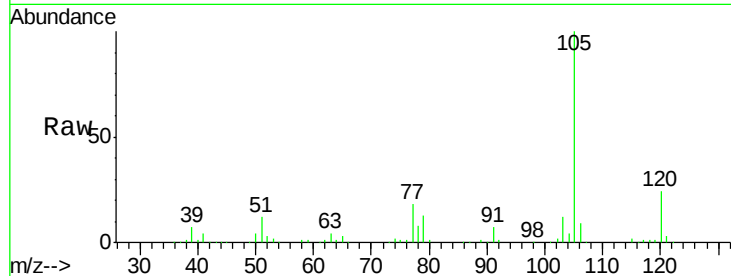
#69
Isopropylbenzene
Concen: 5.341 ug/l
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 105 Resp: 182326
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.4

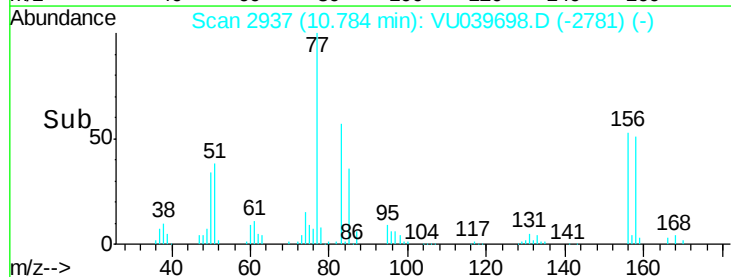
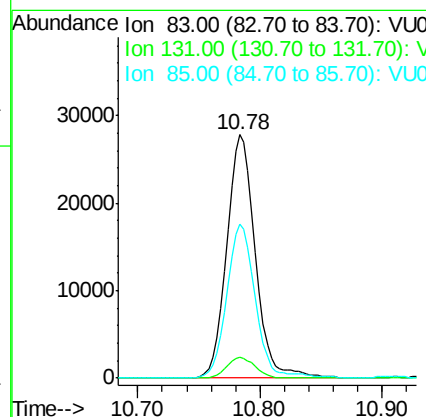
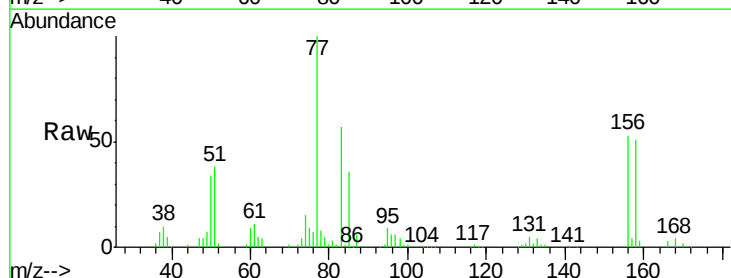
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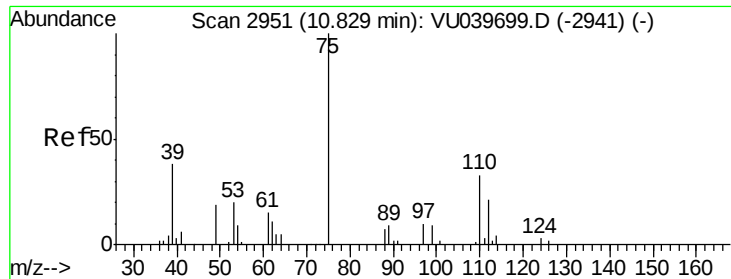
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#70
1,1,2,2-Tetrachloroethane
Concen: 6.618 ug/l
RT: 10.78 min Scan# 2937
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion: 83 Resp: 45901
Ion Ratio Lower Upper
83 100
131 8.4 7.0 10.6
85 63.5 50.6 75.8





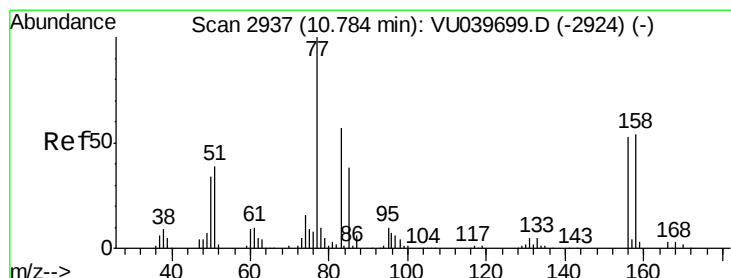
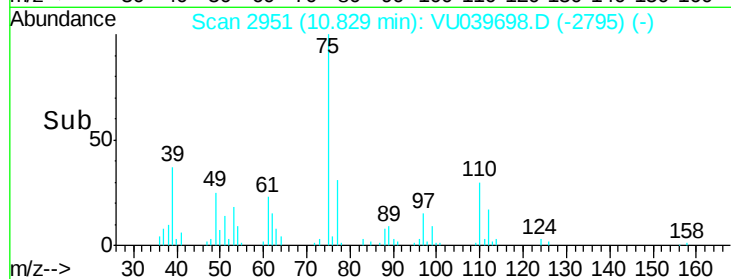
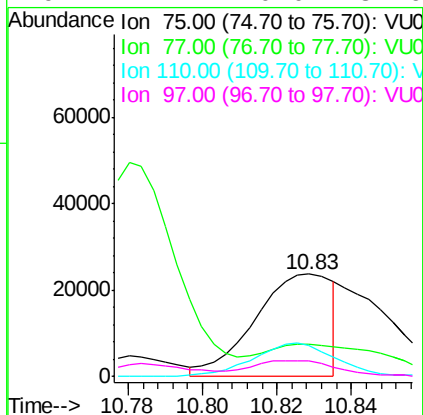
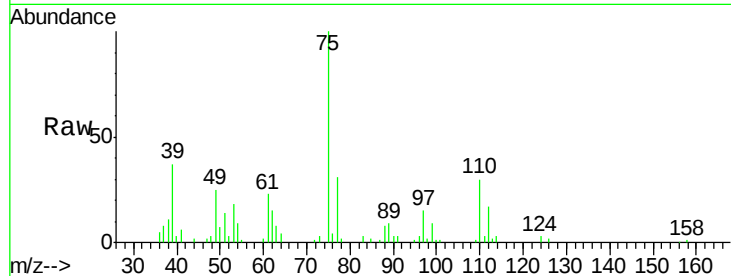
#71
 1,2,3-Trichloropropane
 Concen: 6.568 ug/l m
 RT: 10.83 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	47.7	0.0	91.0	
110	34.5	0.0	64.2	
97	17.4	0.0	32.6	

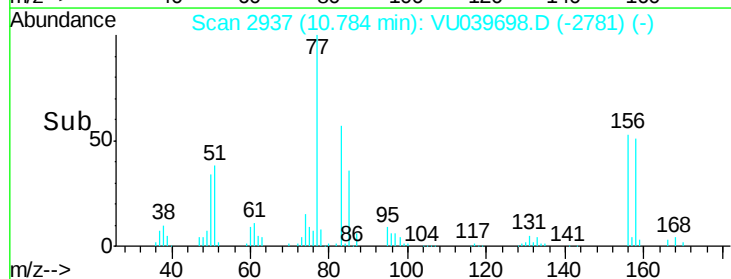
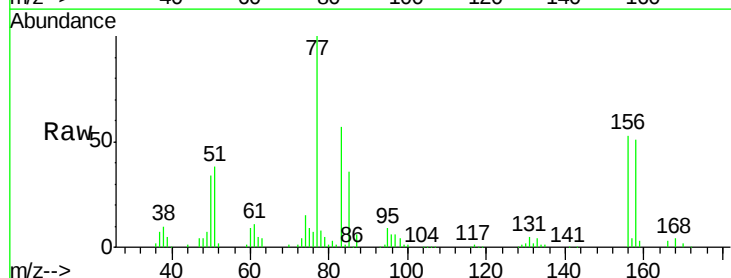
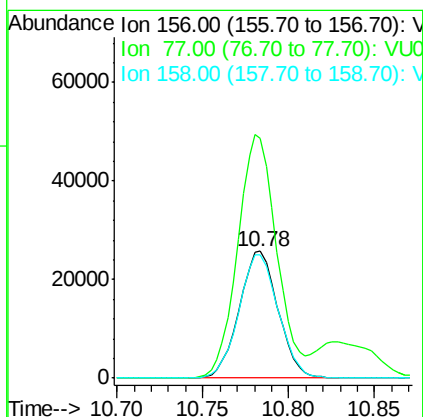
Manual Integrations
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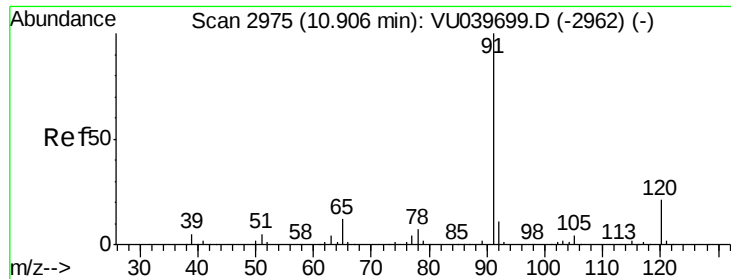
MMDadoda
 7/31/2020 3:42:57 PM



#72
 Bromobenzene
 Concen: 5.341 ug/l
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	192.4	0.0	385.2	
158	99.1	0.0	200.8	





#73

n-propylbenzene

Concen: 5.546 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:120 Resp: 52067

Ion Ratio Lower Upper

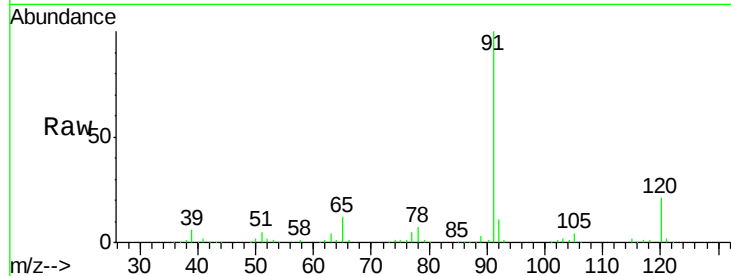
120 100

91 467.4 371.7 557.5

Manual Integrations
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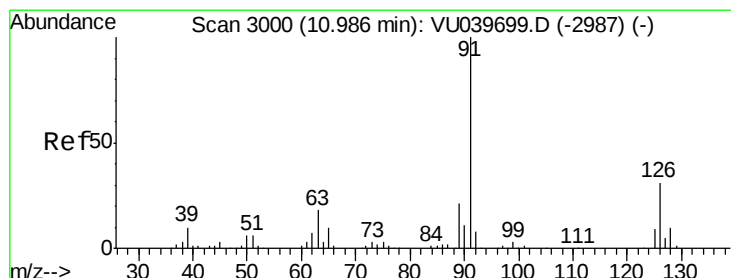
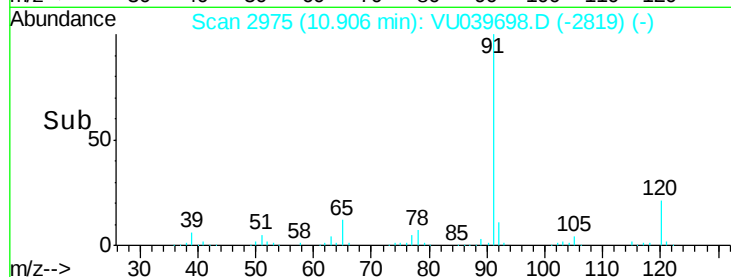
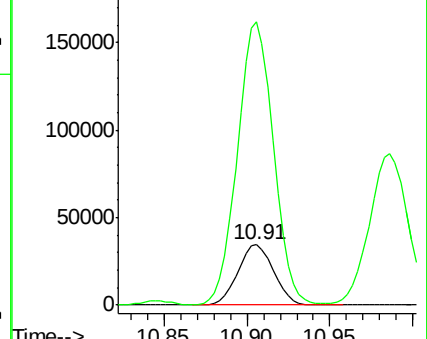
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 5.409 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. 0.00 min

Lab File: VU039698.D

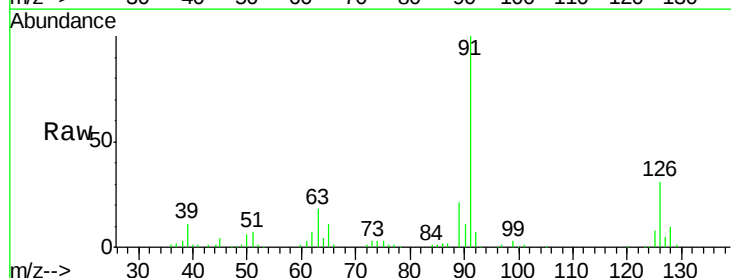
Acq: 29 Jul 2020 12:09

Tgt Ion:126 Resp: 42648

Ion Ratio Lower Upper

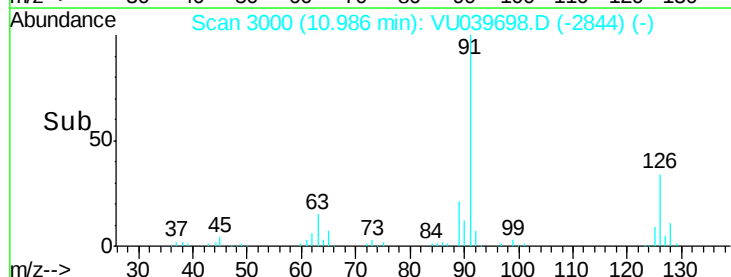
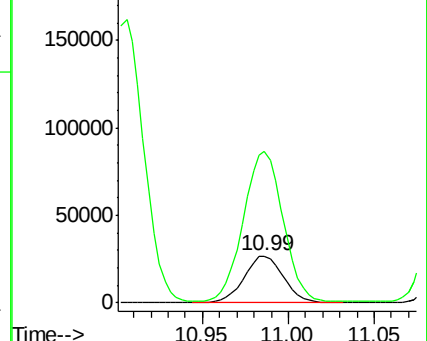
126 100

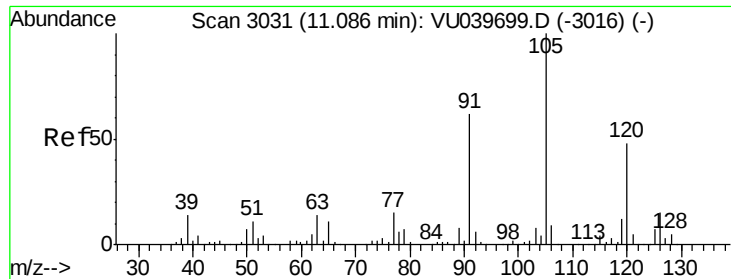
91 320.9 0.0 637.0



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: 5.774 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 165313

Ion Ratio Lower Upper

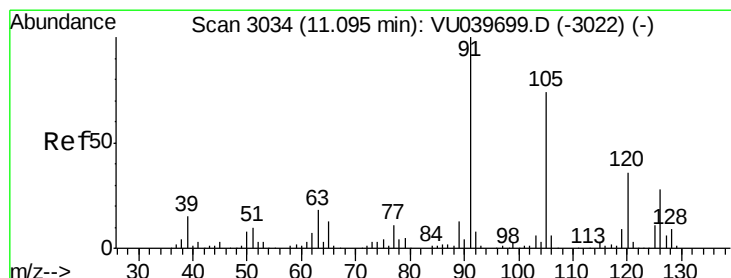
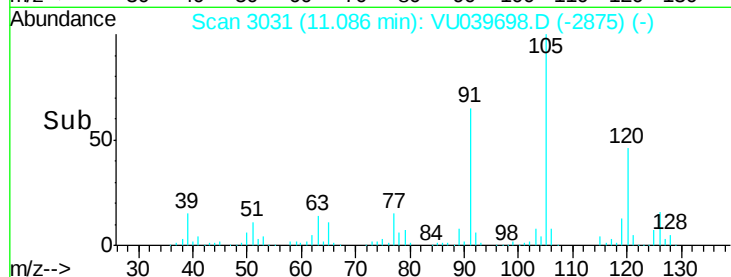
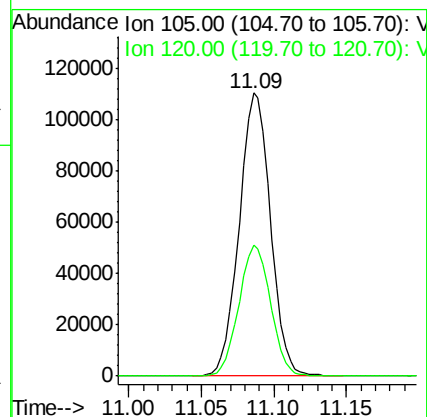
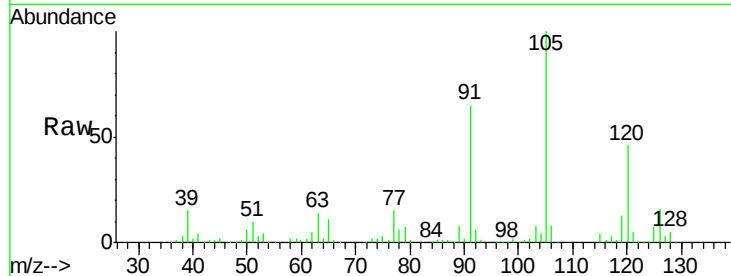
105 100

120 47.0 38.0 57.0

Manual Integrations
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#76

4-Chlorotoluene

Concen: 5.554 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. 0.00 min

Lab File: VU039698.D

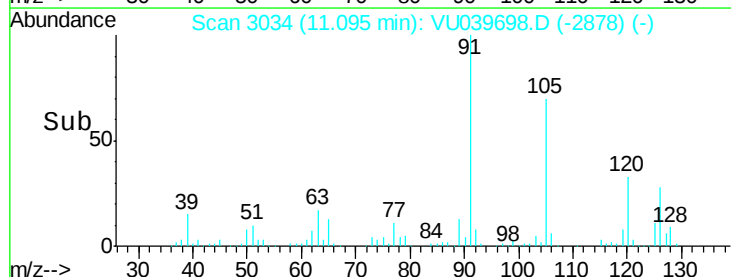
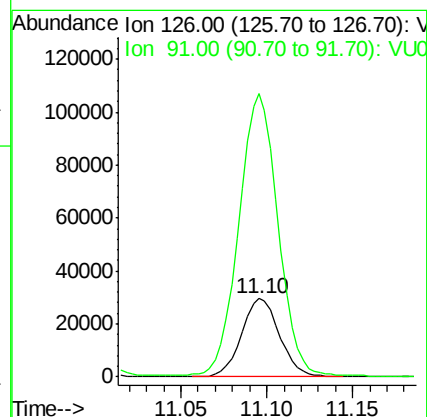
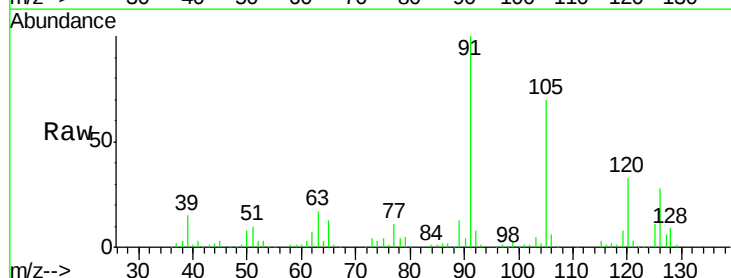
Acq: 29 Jul 2020 12:09

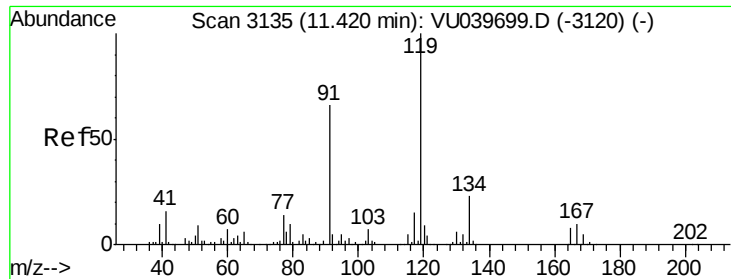
Tgt Ion:126 Resp: 45598

Ion Ratio Lower Upper

126 100

91 370.4 0.0 732.2





#77

tert-Butylbenzene

Concen: 5.620 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU039698.D

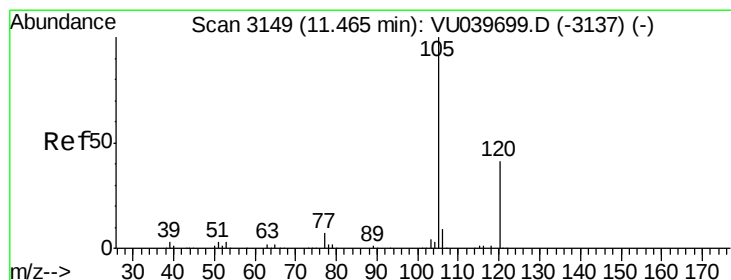
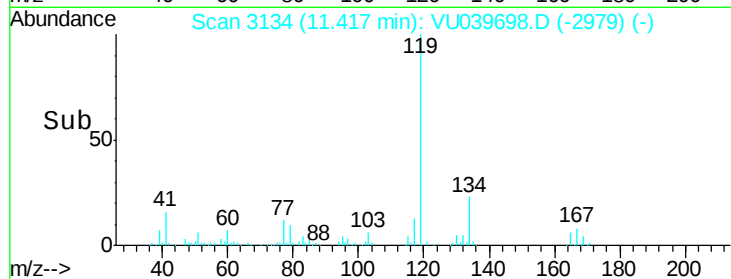
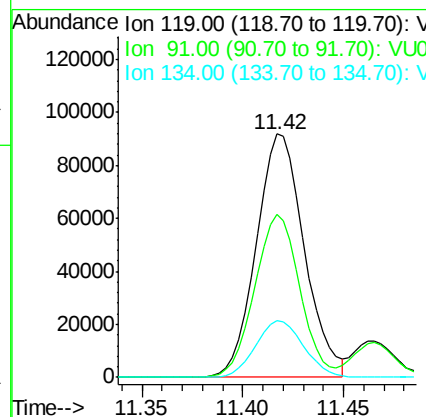
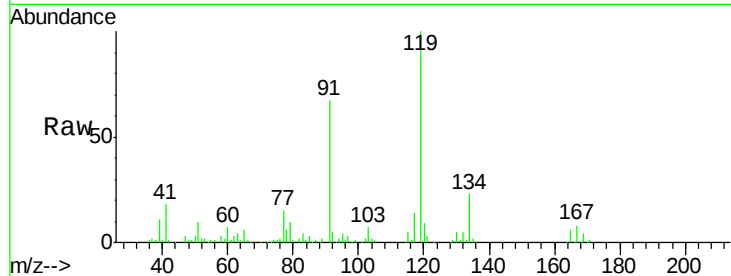
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	152808		
91	63.1		31.9	95.5
134	23.2		18.2	27.4

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#78

1,2,4-Trimethylbenzene

Concen: 5.730 ug/l

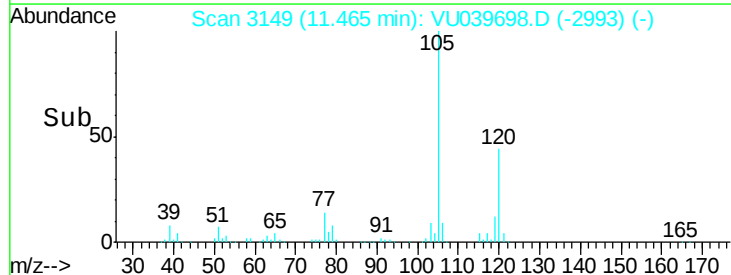
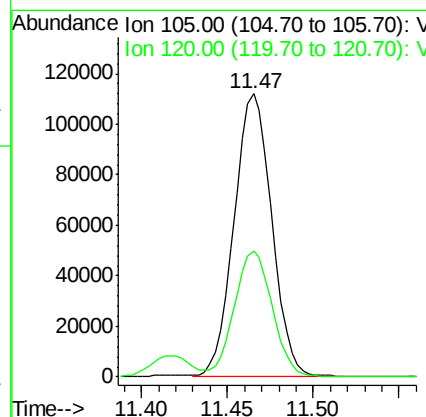
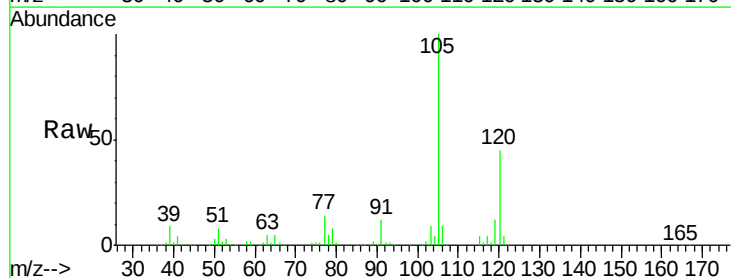
RT: 11.47 min Scan# 3149

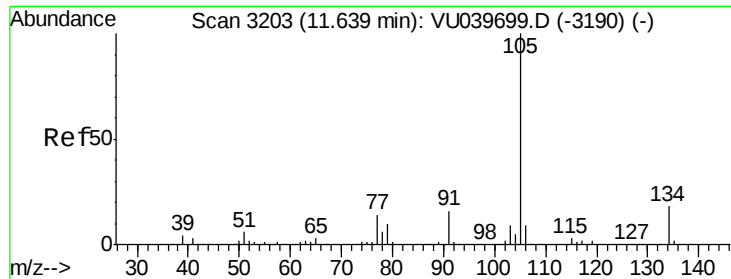
Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	168950		
120	45.2		22.7	68.0





#79

sec-Butylbenzene

Concen: 5.627 ug/l

RT: 11.64 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 218689

Ion Ratio Lower Upper

105 100

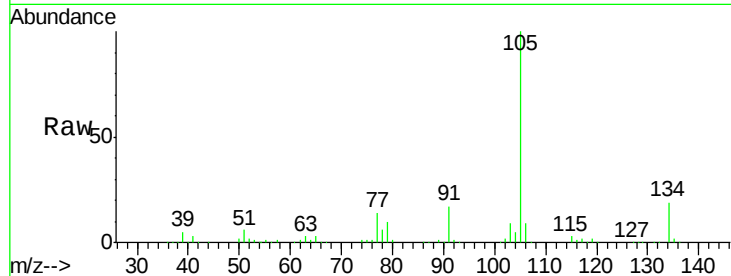
134 18.7 14.8 22.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.64

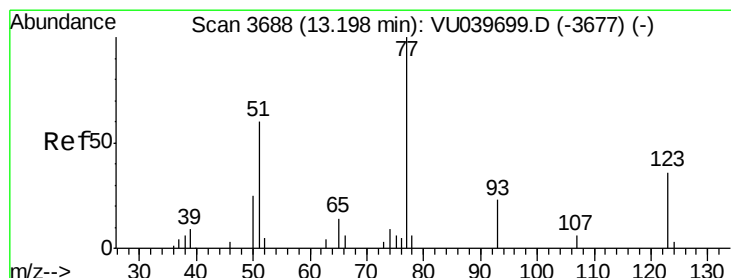
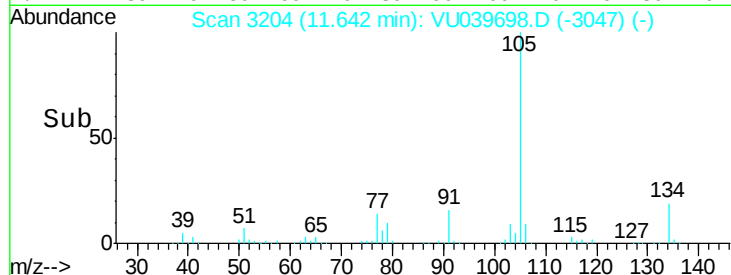
150000

100000

50000

0

Time-->



#80

Nitrobenzene

Concen: 19.640 ug/l

RT: 13.20 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VU039698.D

Acq: 29 Jul 2020 12:09

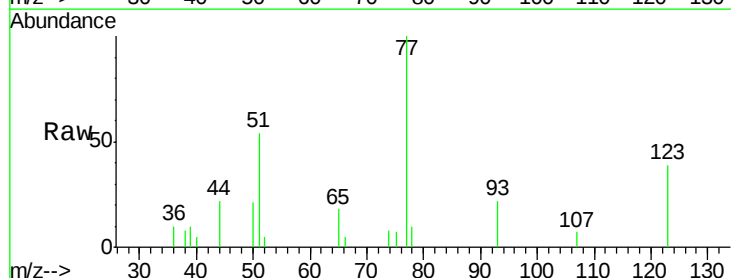
Tgt Ion: 77 Resp: 3700

Ion Ratio Lower Upper

77 100

123 36.8 16.9 59.9

65 17.0 14.4 18.4



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

2500

2000

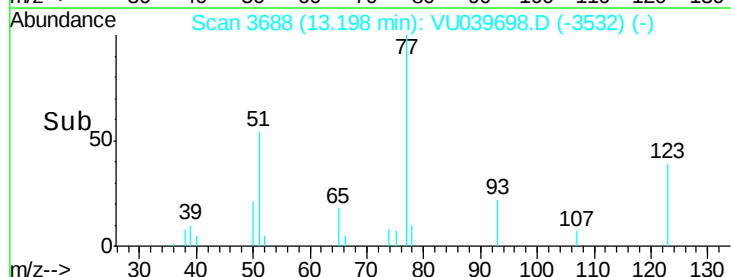
1500

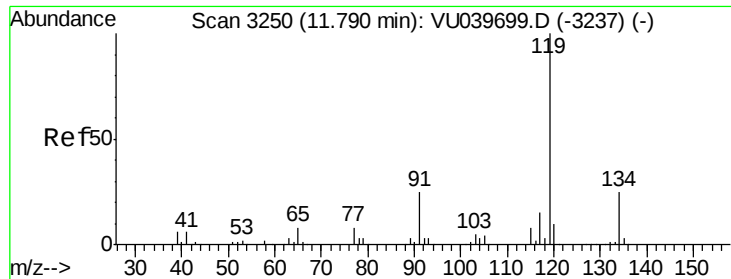
1000

500

0

Time-->





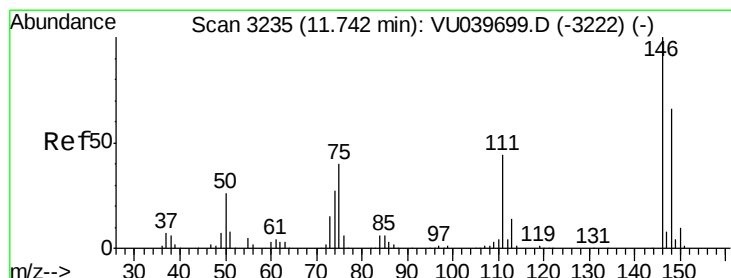
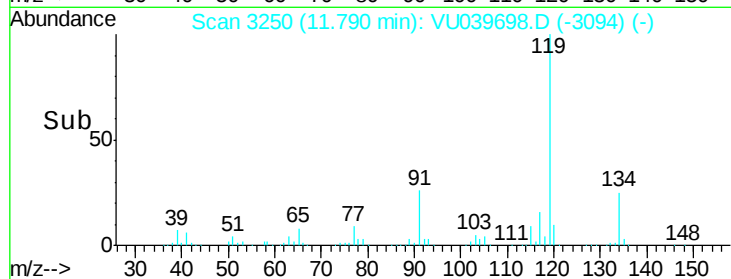
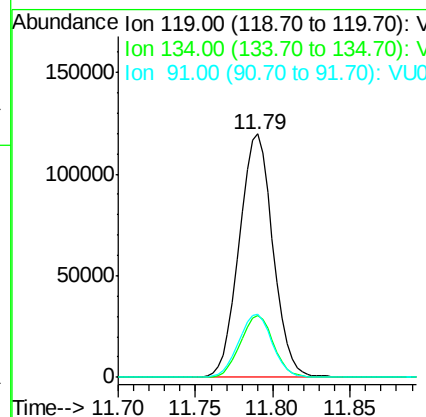
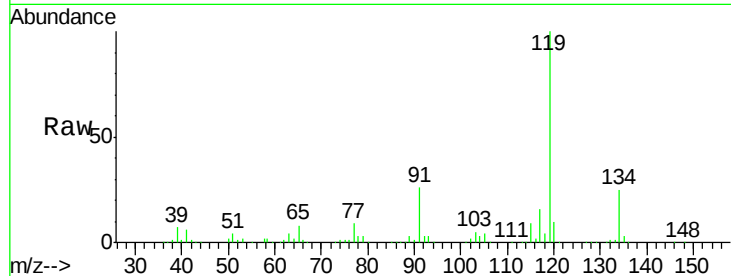
#81
 p-Isopropyltoluene
 Concen: 5.716 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.4
91	26.2	20.7	31.1

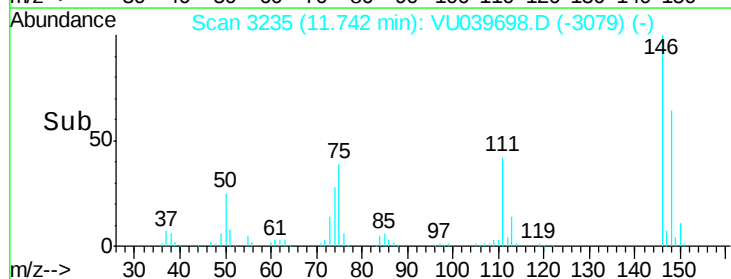
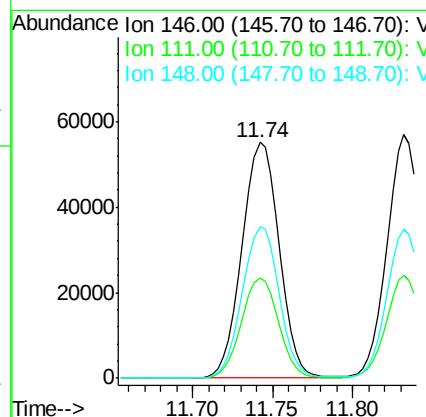
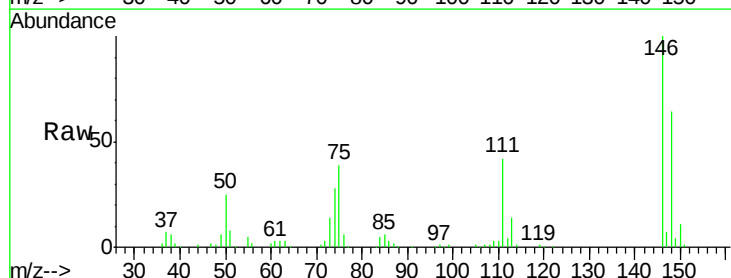
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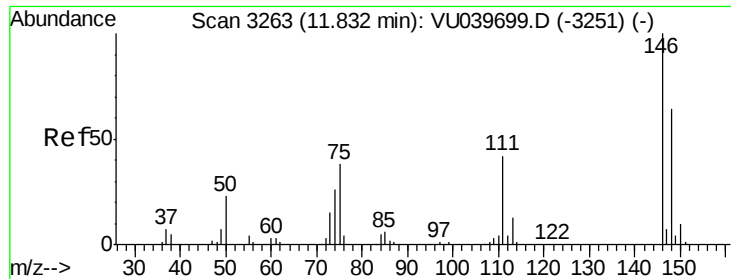
MMDadoda
 7/31/2020 3:42:57 PM



#82
 1,3-Dichlorobenzene
 Concen: 5.518 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	34.5	51.7
148	63.5	51.4	77.0





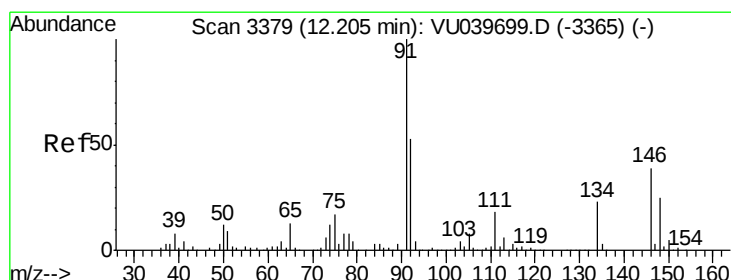
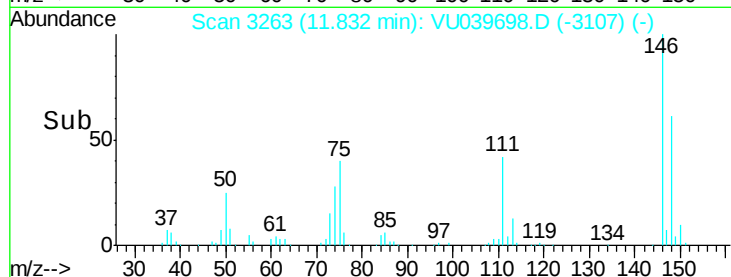
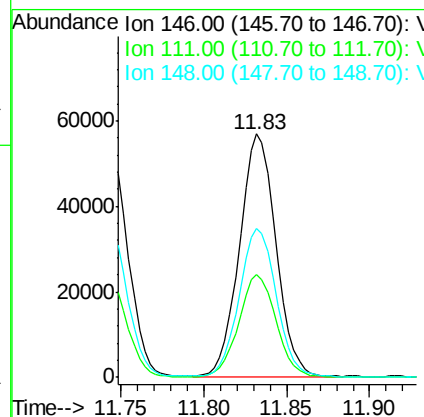
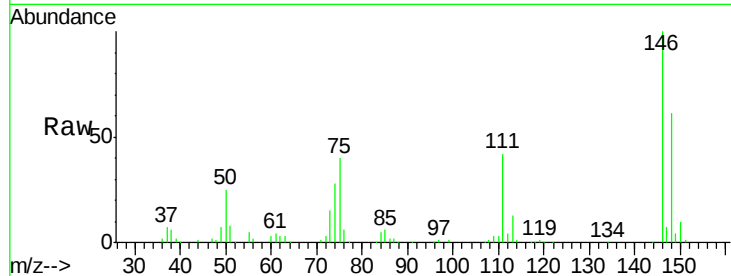
#83
 1,4-Dichlorobenzene
 Concen: 5.408 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	33.8	50.6
148	62.4	51.1	76.7

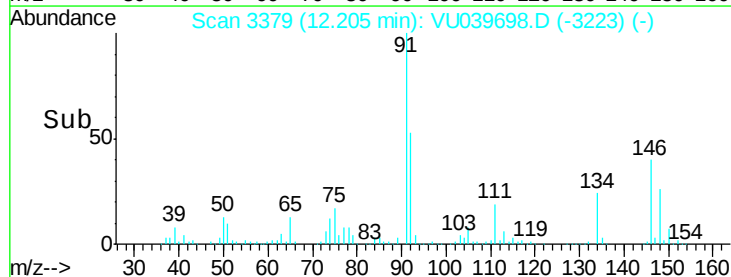
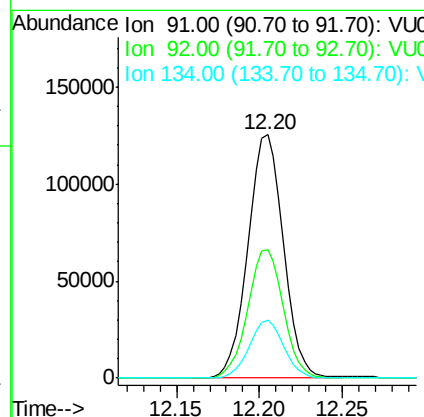
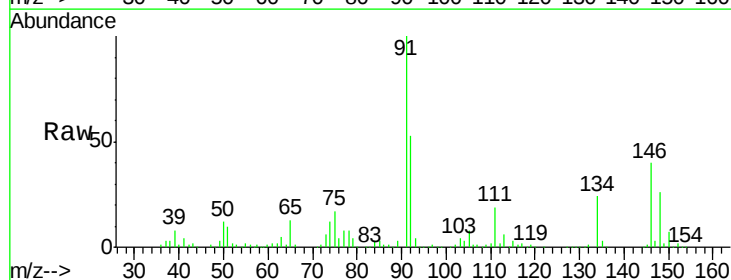
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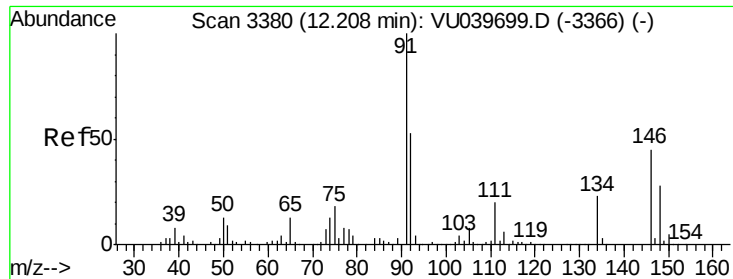
MMDadoda
 7/31/2020 3:42:57 PM



#84
 n-Butylbenzene
 Concen: 5.924 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	42.6	64.0
134	23.2	18.2	27.4





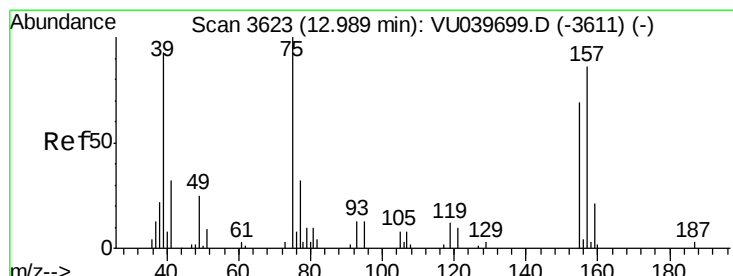
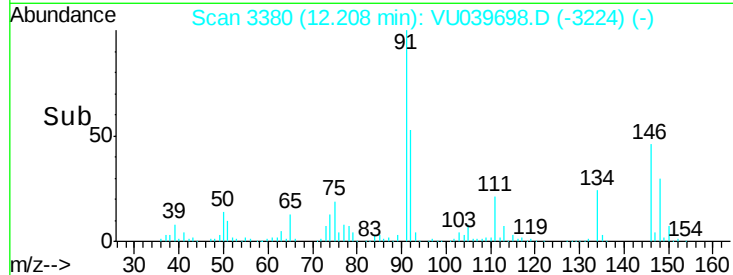
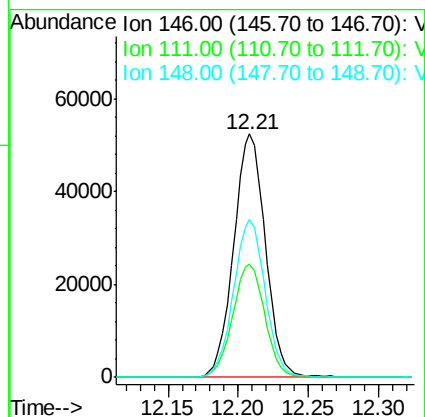
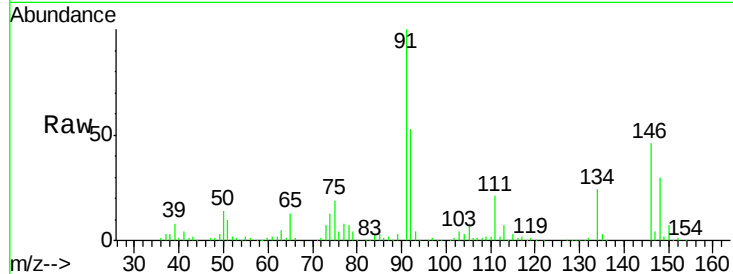
#85
 1,2-Dichlorobenzene
 Concen: 5.558 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.8	68.3
148	64.5	31.7	95.1

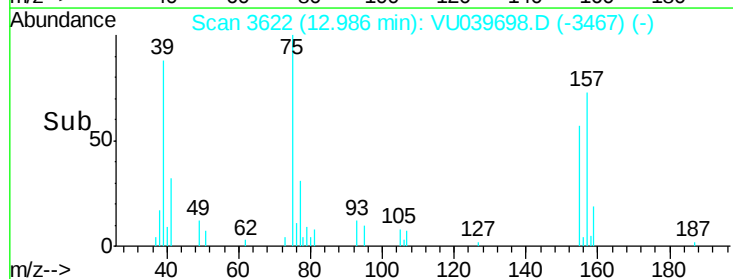
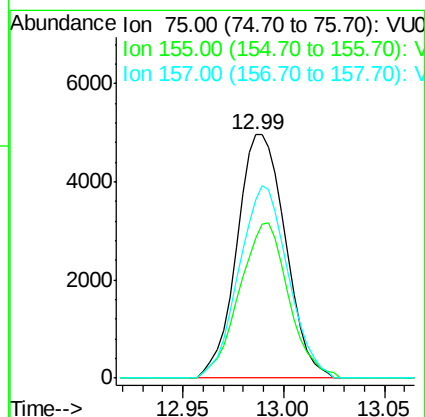
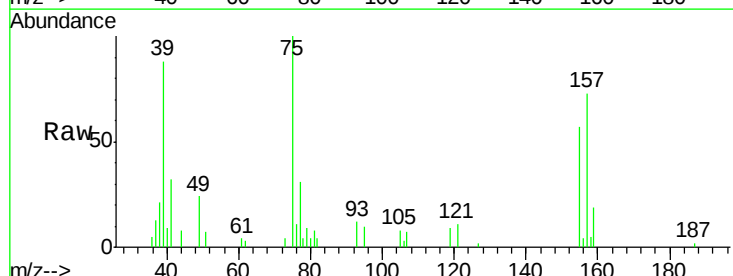
Manual Integrations
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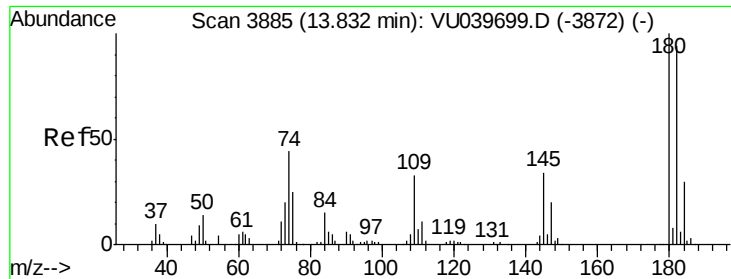
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 7.402 ug/l
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.6	52.9	79.3
157	79.8	67.8	101.6





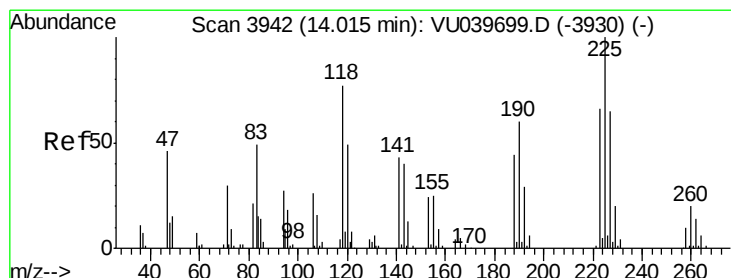
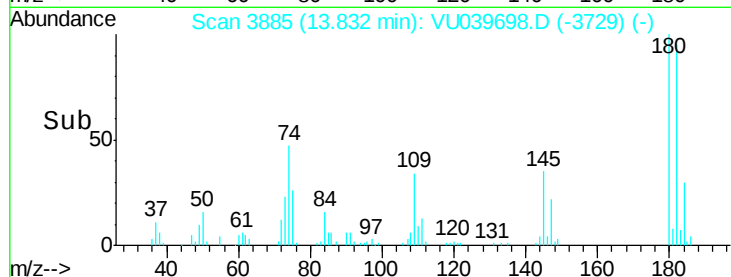
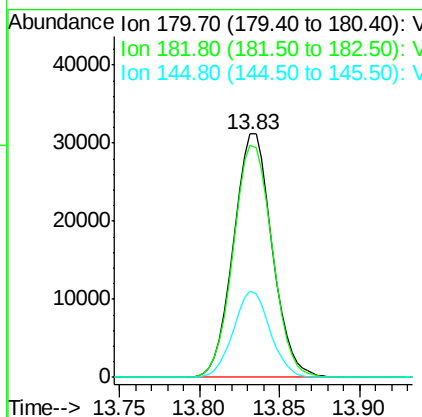
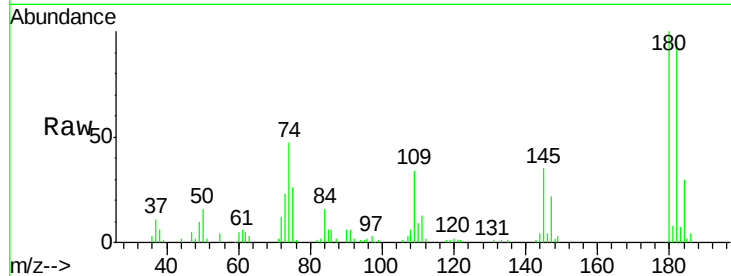
#87
 1,2,4-Trichlorobenzene
 Concen: 4.810 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
145	33.6	26.8	40.2

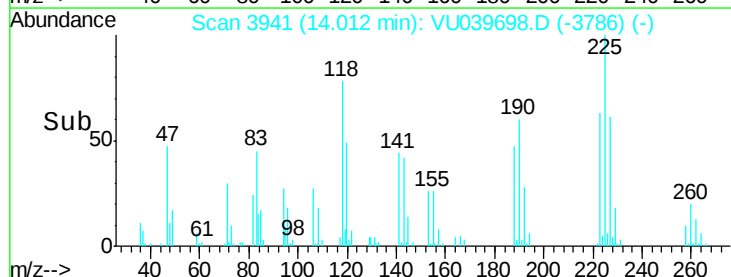
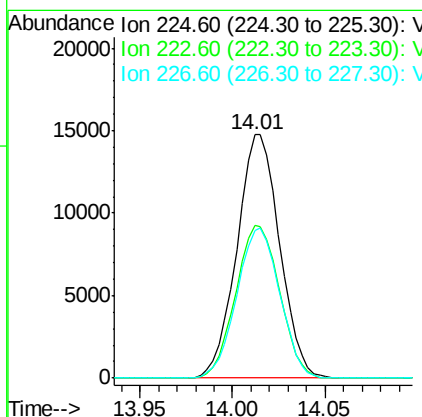
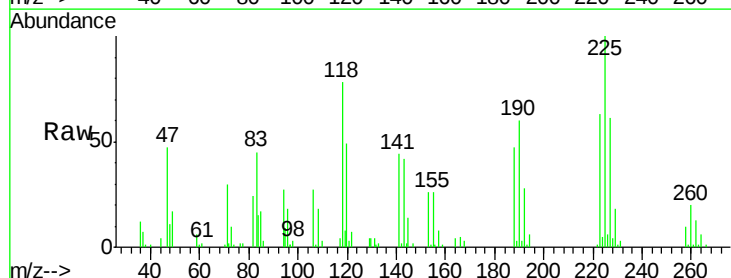
Manual Integrations
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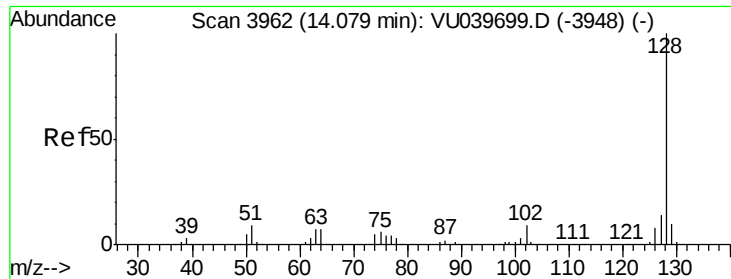
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 7/31/2020 3:42:57 PM



#88
 Hexachlorobutadiene
 Concen: 5.010 ug/l
 RT: 14.01 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VU039698.D
 Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	52.4	78.6
227	61.8	50.7	76.1





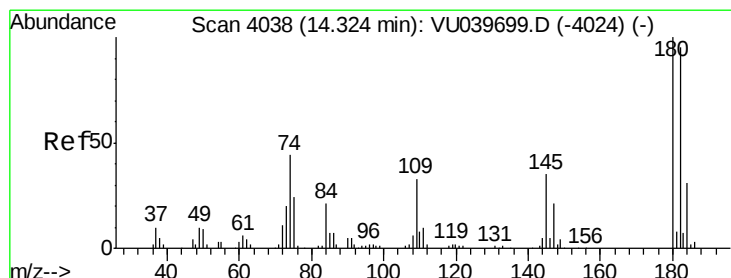
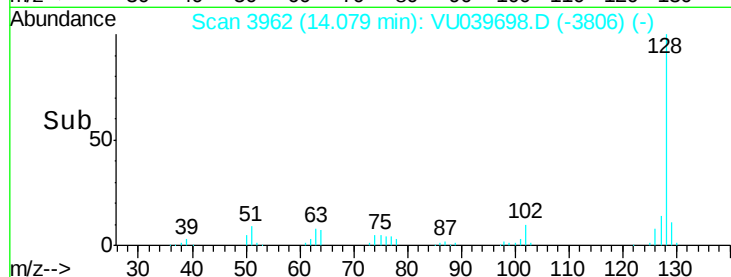
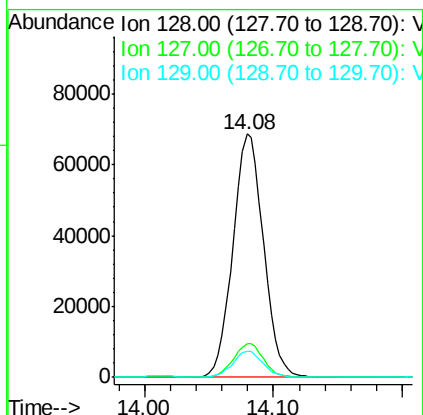
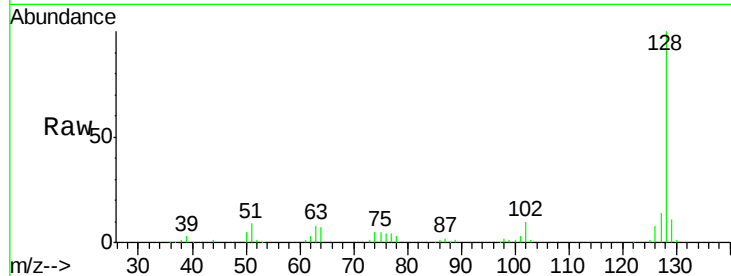
#89
Naphthalene
Concen: 5.399 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	10.4	8.4	12.6

Manual Integrations
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7/31/2020 3:42:57 PM



#90
1,2,3-Trichlorobenzene
Concen: 5.240 ug/l
RT: 14.32 min Scan# 4038
Delta R.T. 0.00 min
Lab File: VU039698.D
Acq: 29 Jul 2020 12:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.0	114.0
145	34.0	27.8	41.6

