

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040924.D
 Acq On : 23 Oct 2020 01:49
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 4:15:55 PM

Quant Time: Oct 23 07:47:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	61743	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	23328	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	22678	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	261021	9.064	ug/l	99
3) Chloromethane	1.53	50	270901	9.026	ug/l	97
4) Vinyl Chloride	1.61	62	259541	9.286	ug/l	98
5) Bromomethane	1.86	94	139956	8.520	ug/l	98
6) Chloroethane	1.94	64	155459	9.101	ug/l	99
7) Trichlorofluoromethane	2.15	101	334890	9.483	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	183459	9.344	ug/l	99
9) 1,1-Dichloroethene	2.59	96	161927	9.470	ug/l	99
10) Iodomethane	2.74	142	210763	10.106	ug/l	99
11) Allyl Chloride	2.94	41	327919	9.314	ug/l	99
12) Acrylonitrile	3.33	53	117275	19.455	ug/l	96
13) Acetone	2.64	43	233548	46.289	ug/l	98
14) Carbon Disulfide	2.81	76	603346	9.390	ug/l	100
15) Methylene Chloride	3.06	84	193559	8.715	ug/l	99
16) trans-1,2-Dichloroethene	3.37	96	181791	9.393	ug/l	97
17) 1,1-Dichloroethane	3.89	63	371787	9.393	ug/l	100
18) 2-Butanone	4.74	43	396934	48.634	ug/l	99
19) Cyclohexane	5.40	56	354147m	9.507	ug/l	
20) Methylcyclohexane	6.77	83	288677	10.359	ug/l	98
21) 2,2-Dichloropropane	4.68	77	276203	8.264	ug/l	100
22) cis-1,2-Dichloroethene	4.68	96	191434	9.271	ug/l	96
23) Diethyl Ether	2.39	59	159399	9.441	ug/l	99
24) tert-Butyl Alcohol	3.21	59	177958	94.488	ug/l	100
25) Methyl tert-Butyl Ether	3.38	73	504826	9.518	ug/l	100
26) Bromochloromethane	4.99	128	86431	9.630	ug/l	96
27) Chloroform	5.11	83	353850	9.354	ug/l	100
28) 1,1,1-Trichloroethane	5.33	97	303722	9.312	ug/l	98
29) 1,1-Dichloropropene	5.54	75	271750	9.510	ug/l	100
30) Carbon Tetrachloride	5.54	117	272464	9.230	ug/l	97
31) Isopropyl Ether	4.02	45	571157	9.331	ug/l	99
32) Ethyl-t-butyl ether	4.53	59	508443	9.432	ug/l	98
33) Tert-Amyl methyl ether	5.96	73	407676	10.154	ug/l	99
34) Propionitrile	4.80	54	103437	46.159	ug/l	99
35) Benzene	5.79	78	758450	9.575	ug/l	99
36) 1,2-Dichloroethane	5.81	62	277293	9.444	ug/l	100
37) Trichloroethene	6.55	130	177179	9.462	ug/l	96
38) 1,2-Dichloropropane	6.80	63	215280	9.579	ug/l	98
39) Methacrylonitrile	5.00	41	98507	9.377	ug/l	99
40) Methyl acrylate	4.87	55	140829	9.776	ug/l	99
41) Tetrahydrofuran	5.08	42	99872	18.481	ug/l	98
42) 1-Chlorobutane	5.47	56	404477	9.363	ug/l	99

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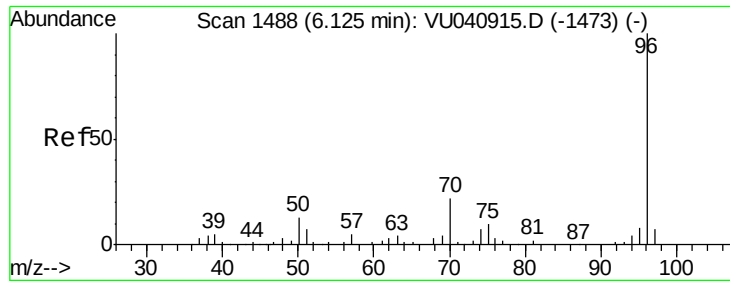
Manual Integrations
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Quant Time: Oct 23 07:47:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	119945	9.524	ug/l	98
44) Bromodichloromethane	7.12	83	281742	9.635	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	892022	53.948	ug/l	100
46) t-1,4-Dichloro-2-butene	10.83	75	125845m	19.247	ug/l	
47) Methyl methacrylate	6.98	69	230848	21.953	ug/l	100
48) Ethyl methacrylate	8.34	69	191275	10.813	ug/l	99
49) Toluene	7.98	92	452096	10.378	ug/l	97
50) t-1,3-Dichloropropene	8.22	75	252565	9.994	ug/l	97
51) cis-1,3-Dichloropropene	7.62	75	266176	9.611	ug/l	98
52) 1,1,2-Trichloroethane	8.41	97	159631	10.024	ug/l	97
53) 1,3-Dichloropropane	8.58	76	286700	10.029	ug/l	98
54) 2-Hexanone	8.69	43	621668	53.815	ug/l	99
55) Dibromochloromethane	8.82	129	184917	9.685	ug/l	99
56) 1,2-Dibromoethane	8.93	107	147352	9.980	ug/l	99
58) Tetrachloroethene	8.56	164	166847	9.532	ug/l	97
59) Chlorobenzene	9.45	112	457130	9.913	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.54	131	175955	9.711	ug/l	98
61) Pentachloroethane	11.42	117	137519	9.396	ug/l	99
62) Hexachloroethane	12.47	117	148595	9.975	ug/l	97
63) Ethyl Benzene	9.57	91	824545	10.795	ug/l	100
64) m/p-Xylenes	9.69	106	665462	19.683	ug/l	99
65) o-Xylene	10.10	106	296657	11.060	ug/l	99
66) Styrene	10.11	104	551868	9.878	ug/l	99
67) Bromoform	10.29	173	101431	9.815	ug/l	99
69) Isopropylbenzene	10.48	105	783136	10.948	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	214606	9.905	ug/l	98
71) 1,2,3-Trichloropropane	10.83	75	177119m	10.723	ug/l	
72) Bromobenzene	10.78	156	188333	10.098	ug/l	99
73) n-propylbenzene	10.90	120	230892	9.733	ug/l	96
74) 2-Chlorotoluene	10.98	126	194622	10.486	ug/l	98
75) 1,3,5-Trimethylbenzene	11.09	105	714515	9.606	ug/l	100
76) 4-Chlorotoluene	11.10	126	213366	11.091	ug/l	99
77) tert-Butylbenzene	11.42	119	652912	10.799	ug/l	99
78) 1,2,4-Trimethylbenzene	11.46	105	752615	9.753	ug/l	99
79) sec-Butylbenzene	11.64	105	927565	11.050	ug/l	99
80) Nitrobenzene	13.20	77	52416	51.151	ug/l	97
81) p-Isopropyltoluene	11.79	119	782717	9.609	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	395932	9.732	ug/l	97
83) 1,4-Dichlorobenzene	11.83	146	411530	10.003	ug/l	99
84) n-Butylbenzene	12.20	91	779763	11.097	ug/l	100
85) 1,2-Dichlorobenzene	12.21	146	390297	10.029	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	39241	9.701	ug/l	94
87) 1,2,4-Trichlorobenzene	13.83	180	229334	10.054	ug/l	99
88) Hexachlorobutadiene	14.01	225	123318	9.629	ug/l	99
89) Naphthalene	14.08	128	511916	8.983	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	242673	10.934	ug/l	100

(#) = 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

Lab File: VU040924.D

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Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 61743

Ion Ratio Lower Upper

96 100

70 21.1 16.3 24.5

95 8.7 7.3 10.9

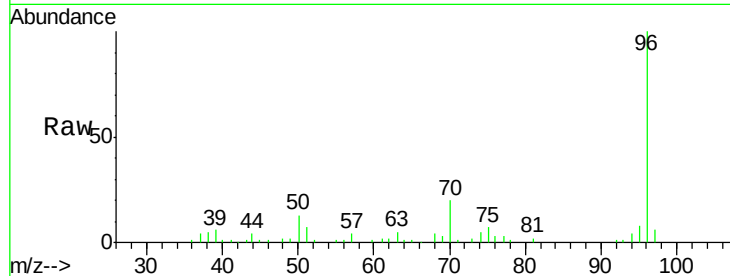
97 0.0 0.0 0.0

Manual Integrations

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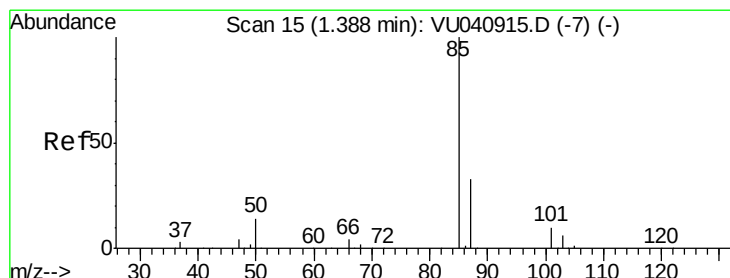
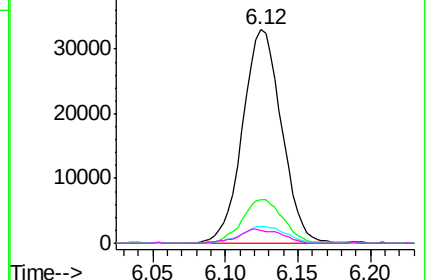
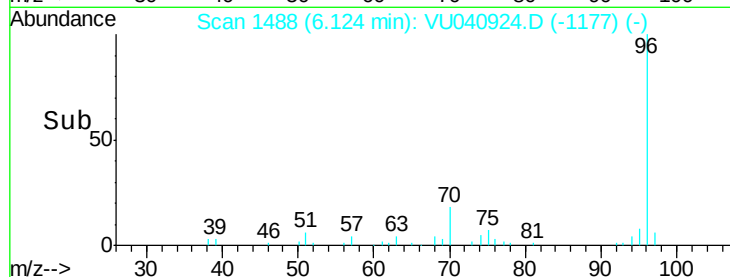


Abundance Ion 96.00 (95.70 to 96.70): VU040924.D (-1177) (-)

Ion 70.00 (69.70 to 70.70): VU040924.D (-1177) (-)

Ion 95.00 (94.70 to 95.70): VU040924.D (-1177) (-)

Ion 97.00 (96.70 to 97.70): VU040924.D (-1177) (-)



#2

Dichlorodifluoromethane

Concen: 9.064 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040924.D

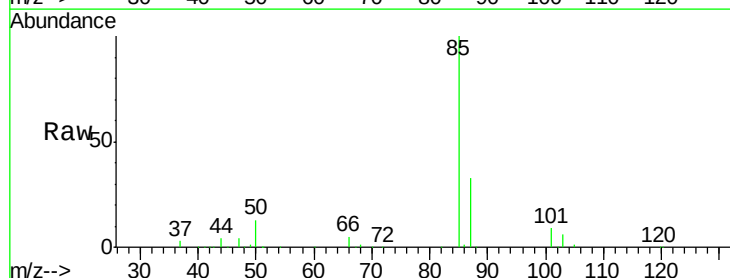
Acq: 23 Oct 2020 01:49

Tgt Ion: 85 Resp: 261021

Ion Ratio Lower Upper

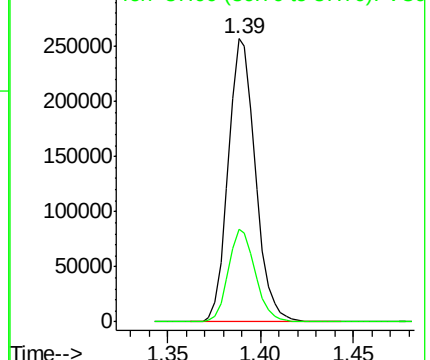
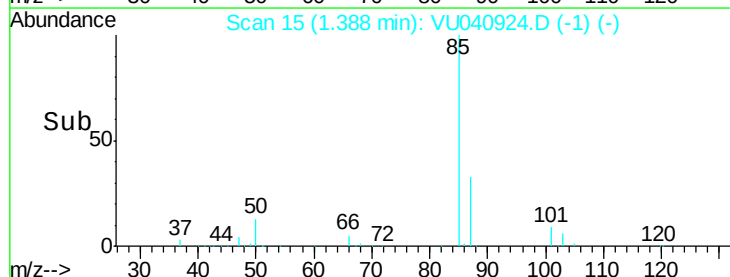
85 100

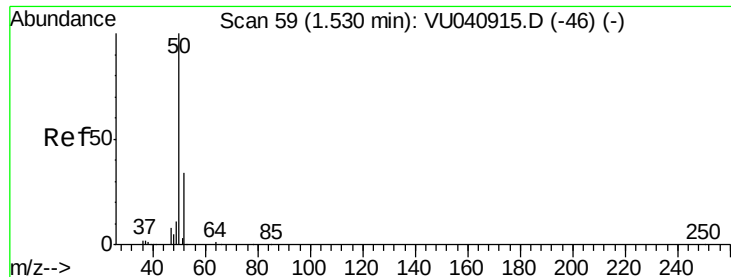
87 32.6 16.5 49.5



Abundance Ion 85.00 (84.70 to 85.70): VU040924.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040924.D (-1) (-)





#3

Chloromethane

Concen: 9.026 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 270901

Ion Ratio Lower Upper

50 100

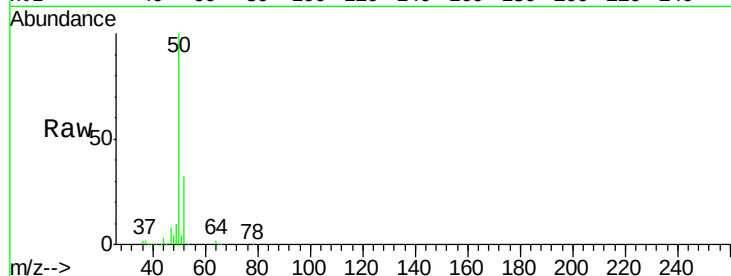
52 31.9 26.9 40.3

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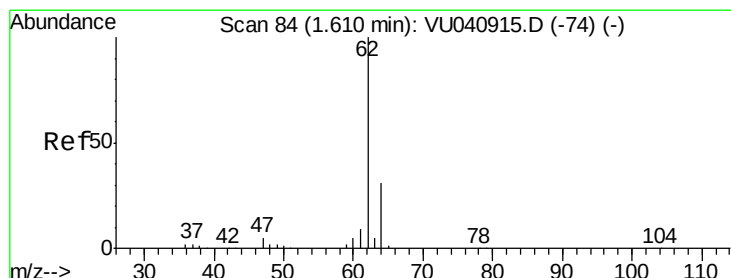
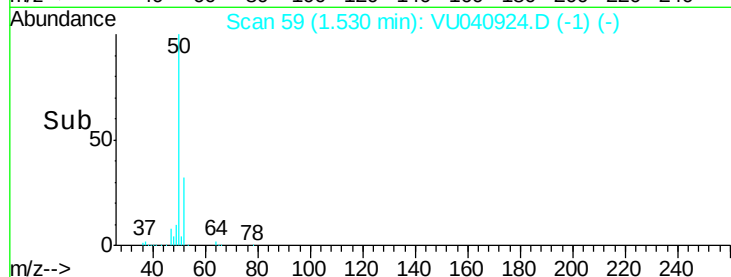
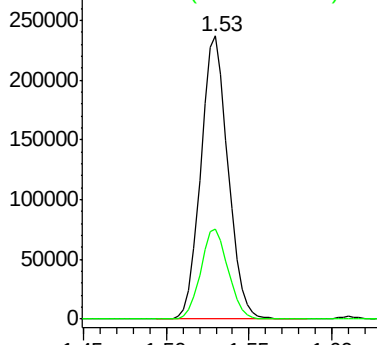
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 9.286 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040924.D

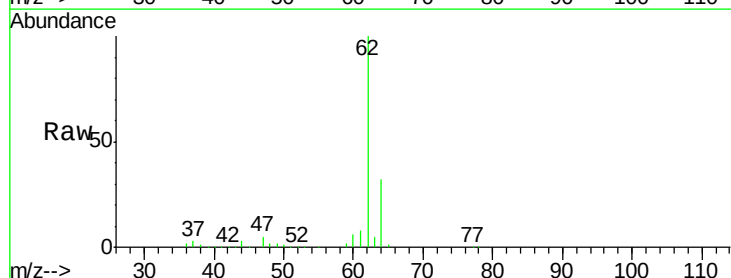
Acq: 23 Oct 2020 01:49

Tgt Ion: 62 Resp: 259541

Ion Ratio Lower Upper

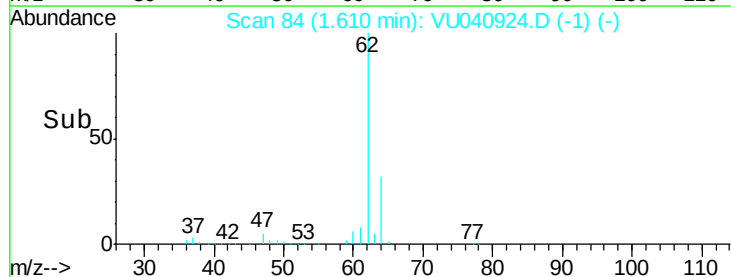
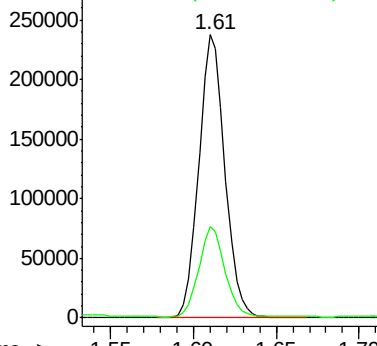
62 100

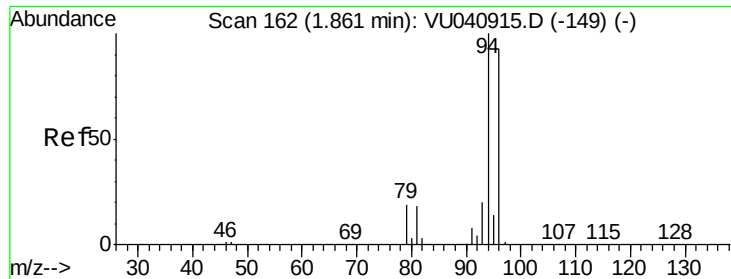
64 31.9 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 8.520 ug/l

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 139956

Ion Ratio Lower Upper

94 100

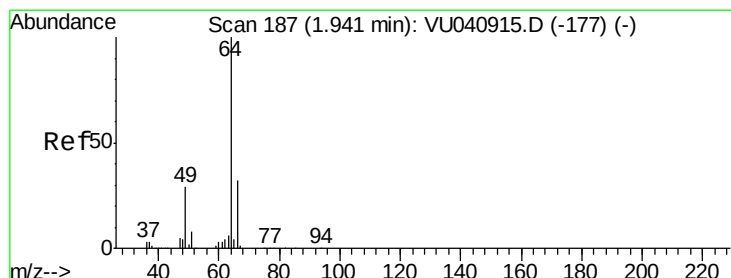
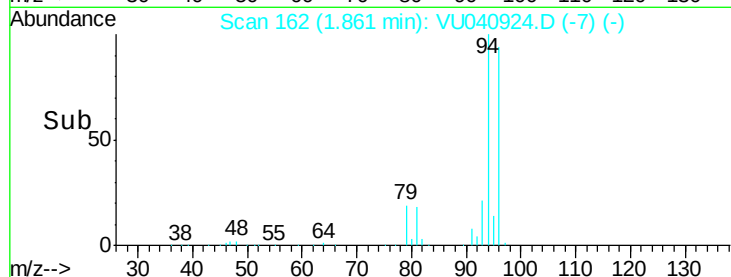
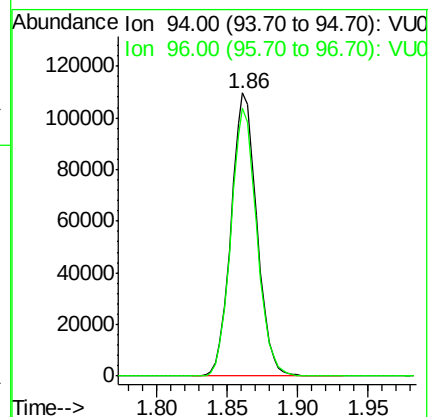
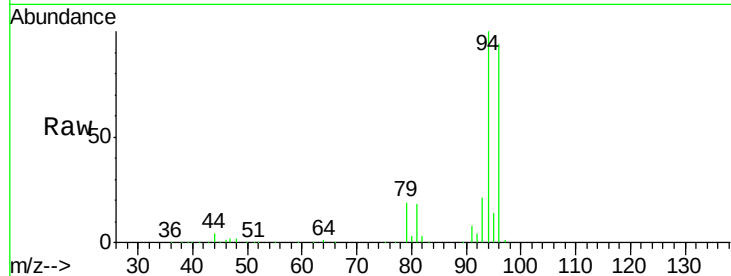
96 94.5 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 9.101 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040924.D

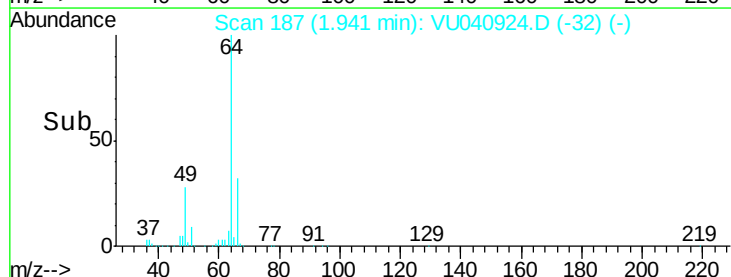
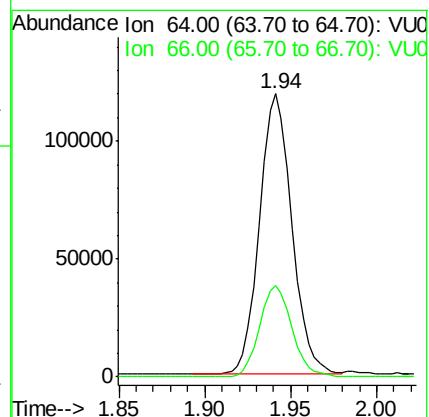
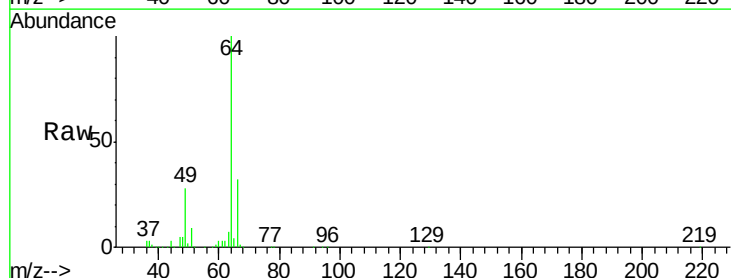
Acq: 23 Oct 2020 01:49

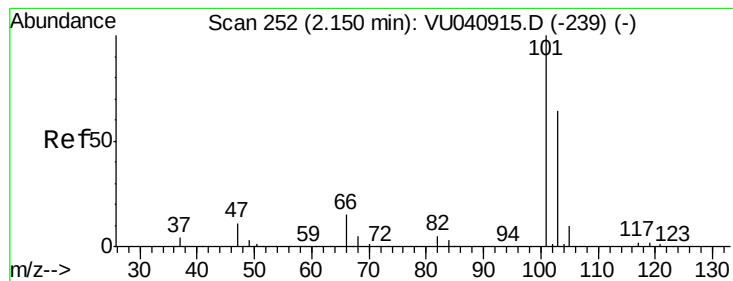
Tgt Ion: 64 Resp: 155459

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.2





#7

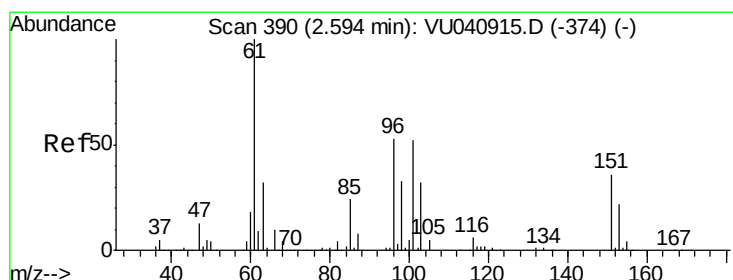
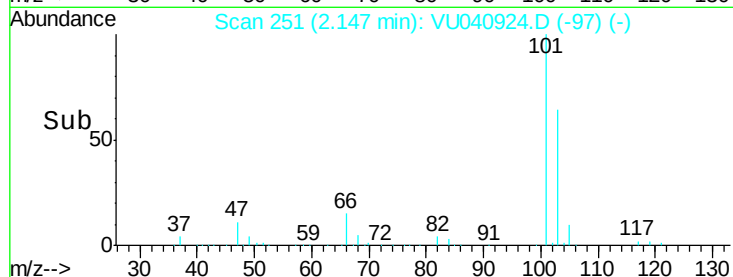
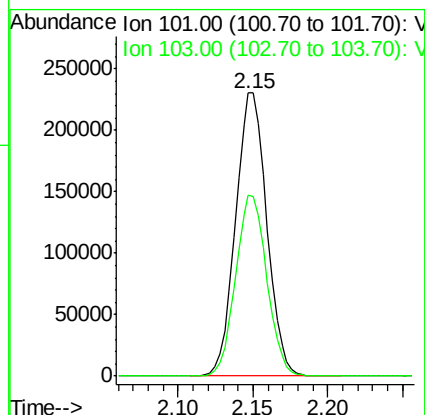
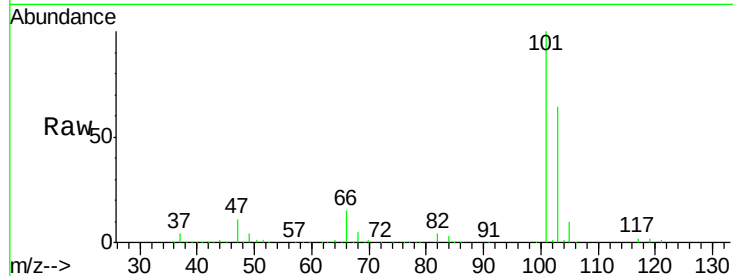
Trichlorofluoromethane
Concen: 9.483 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.5	77.3

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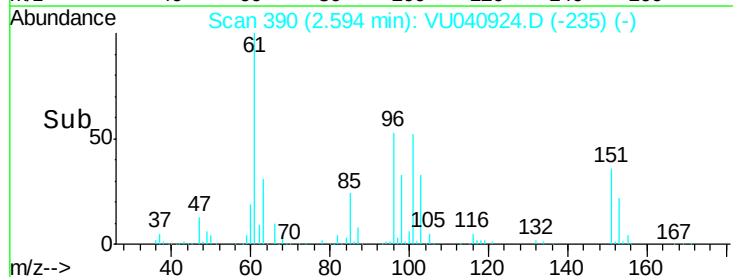
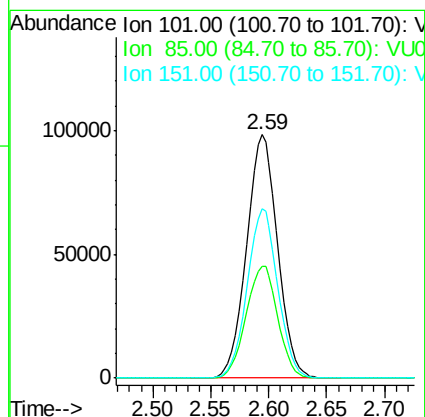
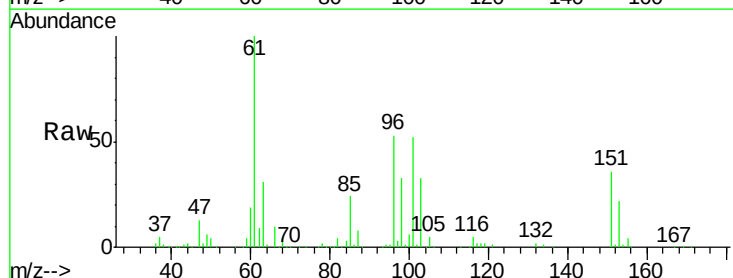
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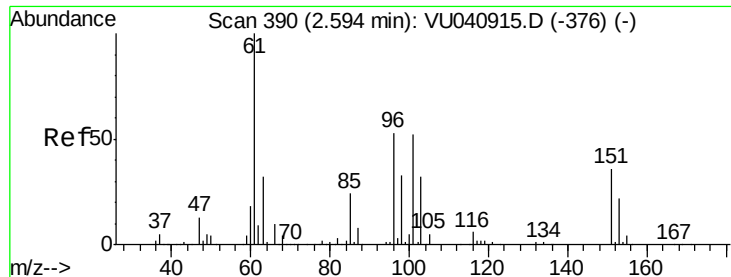


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.344 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.7	36.2	54.2
151	68.4	55.1	82.7





#9

1,1-Dichloroethene

Concen: 9.470 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

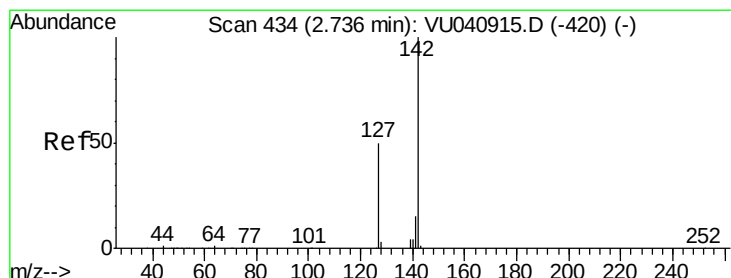
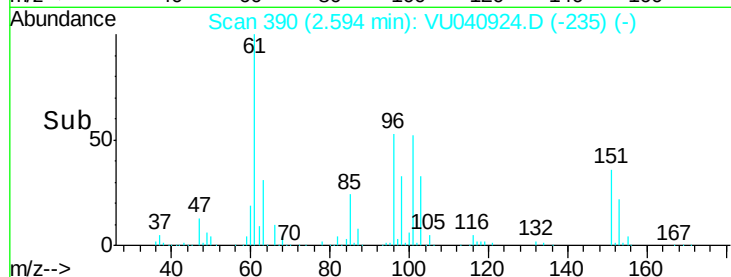
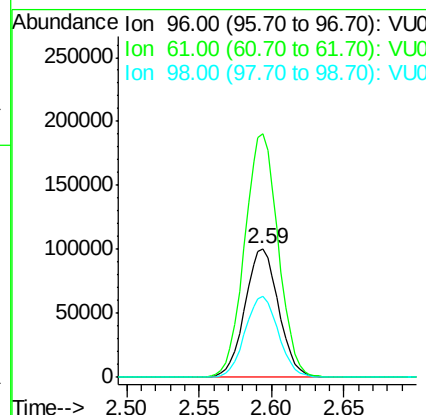
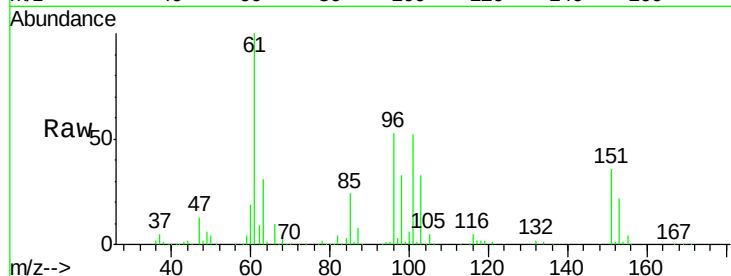
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	161927
Ion	Ratio	Lower	Upper
96	100		
61	189.3	0.0	561.9
98	62.6	0.0	125.0

Manual Integrations
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#10

Iodomethane

Concen: 10.106 ug/l

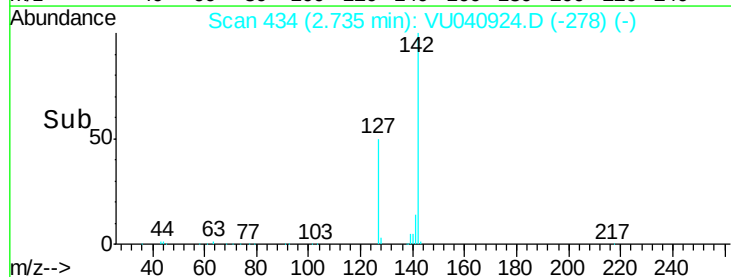
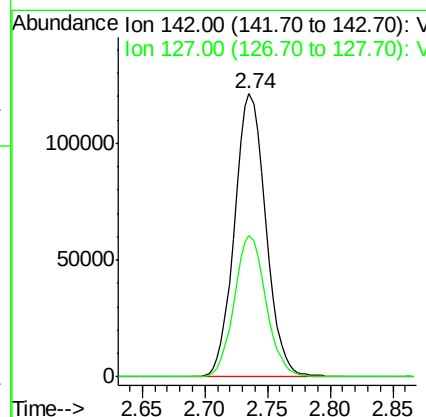
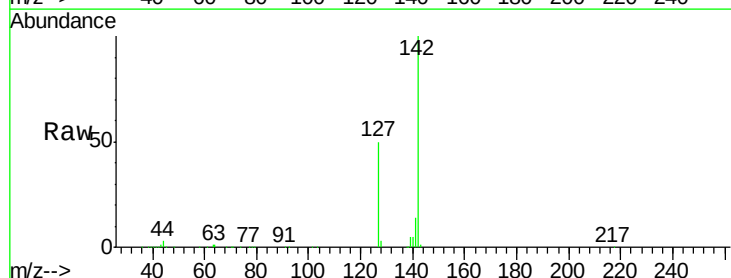
RT: 2.74 min Scan# 434

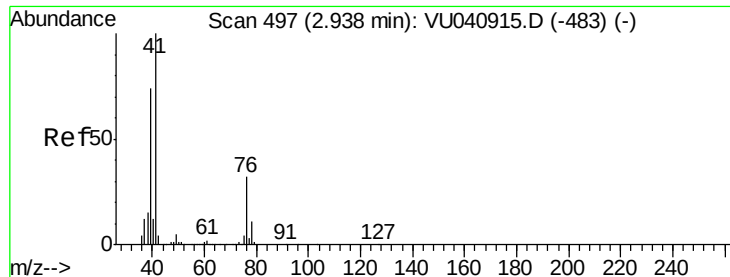
Delta R.T. 0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Tgt Ion:	142	Resp:	210763
Ion	Ratio	Lower	Upper
142	100		
127	50.3	40.6	60.8





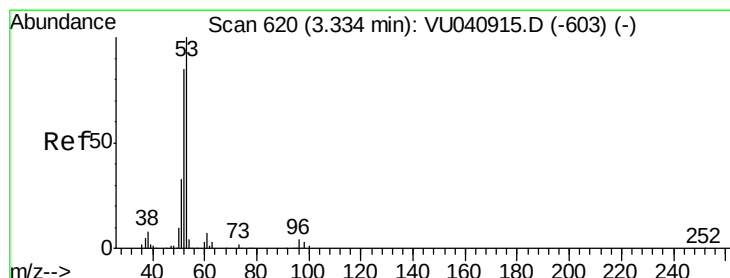
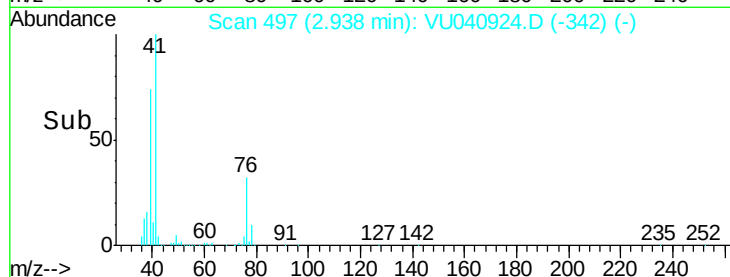
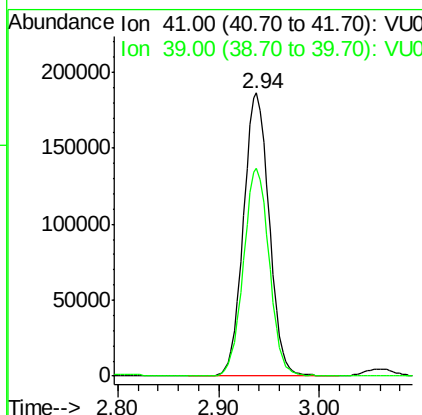
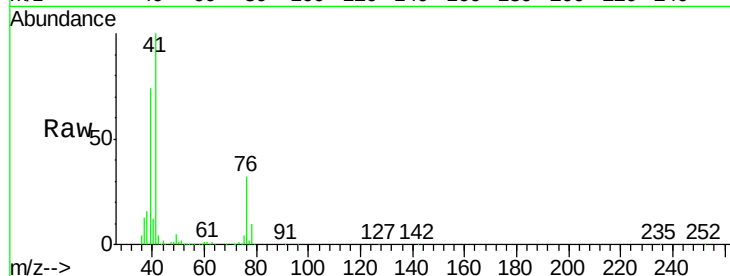
#11
Allvl Chloride
Concen: 9.314 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.0	59.0	88.4

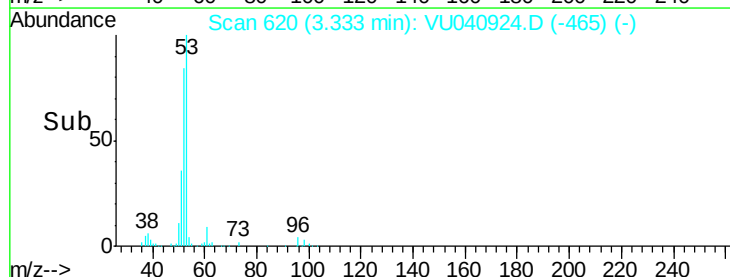
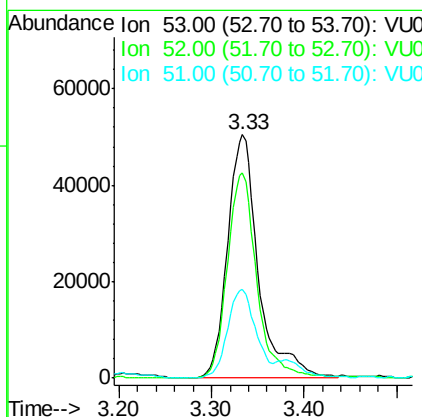
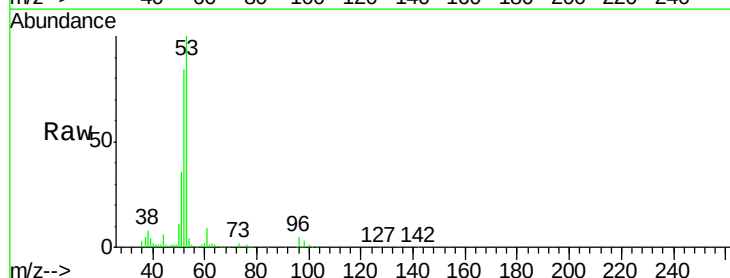
Manual Integrations
APPROVED

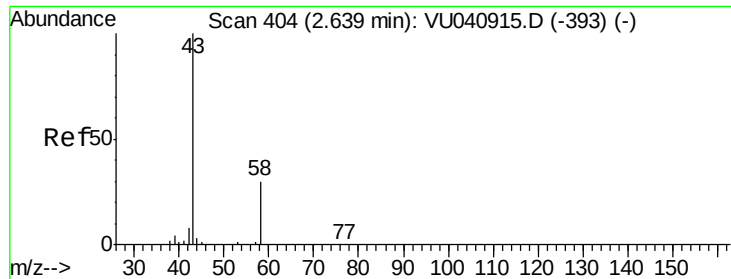
MMDadoda
10/26/2020 4:15:55 PM



#12
Acrylonitrile
Concen: 19.455 ug/l
RT: 3.33 min Scan# 620
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.0	63.1	94.7
51	33.3	30.6	46.0





#13

Acetone

Concen: 46.289 ug/l

RT: 2.64 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 233548

Ion Ratio Lower Upper

43 100

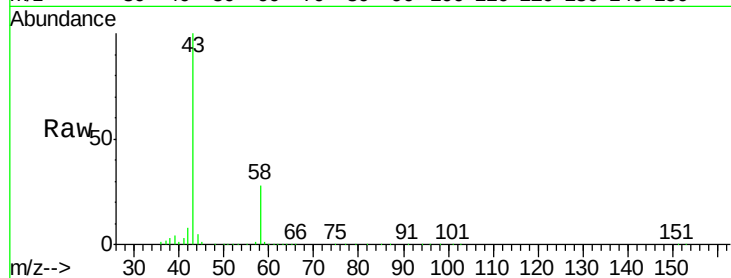
58 28.4 23.6 35.4

Manual Integrations

APPROVED

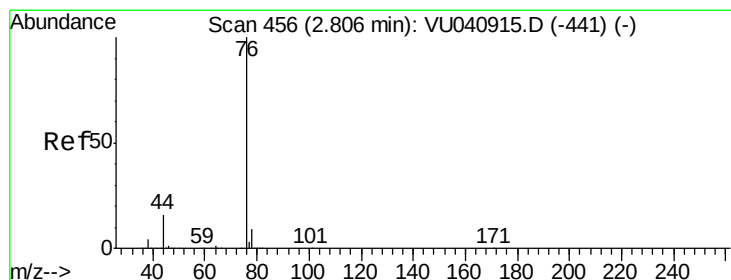
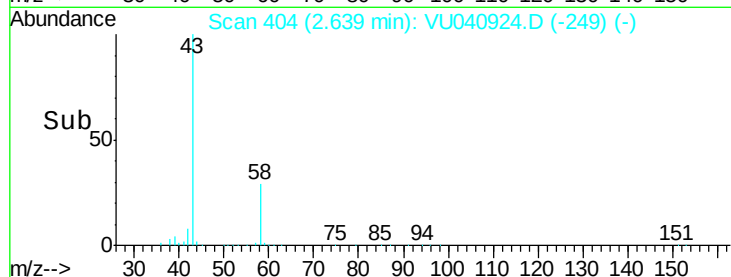
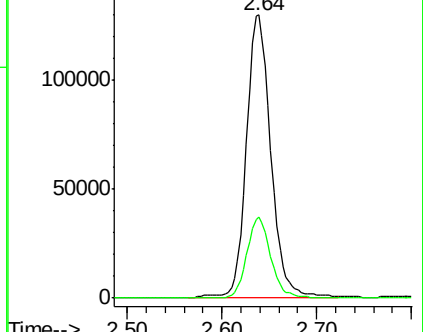
MMDadoda

10/26/2020 4:15:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VU040924.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VU040924.D (-249) (-)



#14

Carbon Disulfide

Concen: 9.390 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040924.D

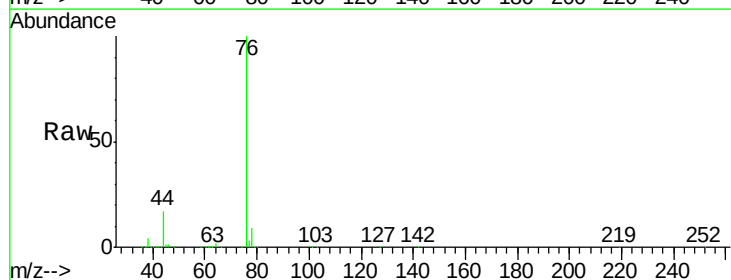
Acq: 23 Oct 2020 01:49

Tgt Ion: 76 Resp: 603346

Ion Ratio Lower Upper

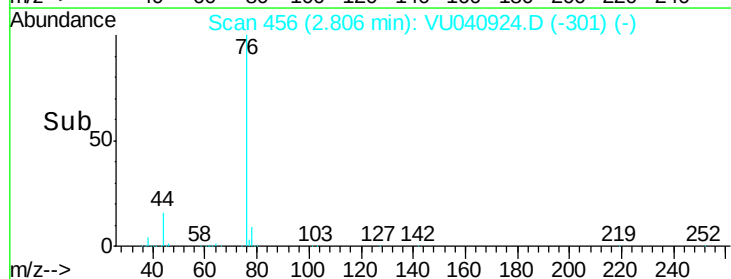
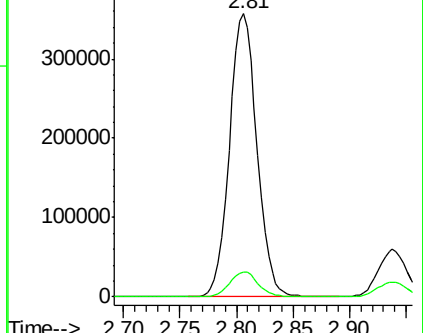
76 100

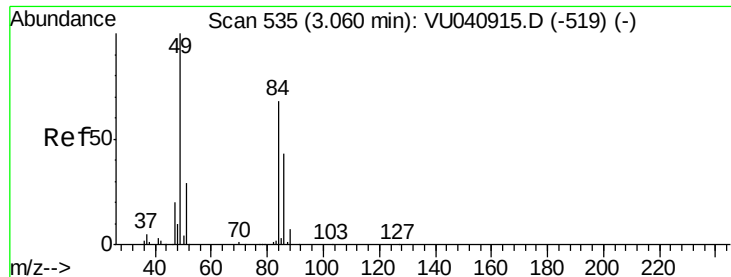
78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU040924.D (-301) (-)

Ion 78.00 (77.70 to 78.70): VU040924.D (-301) (-)





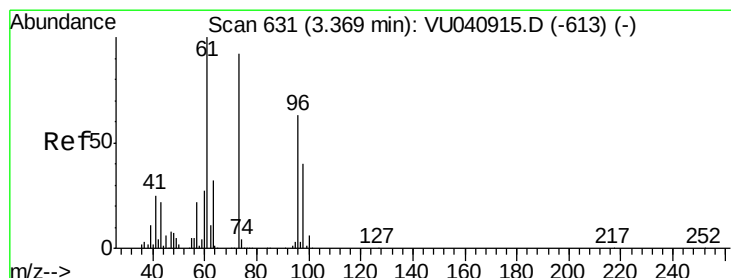
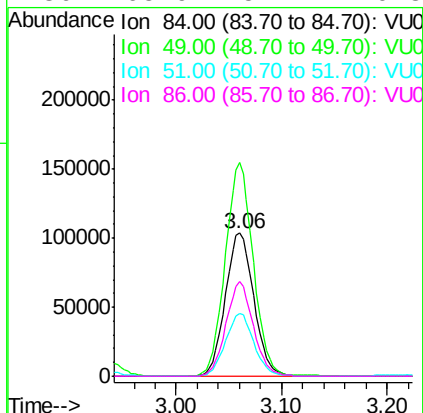
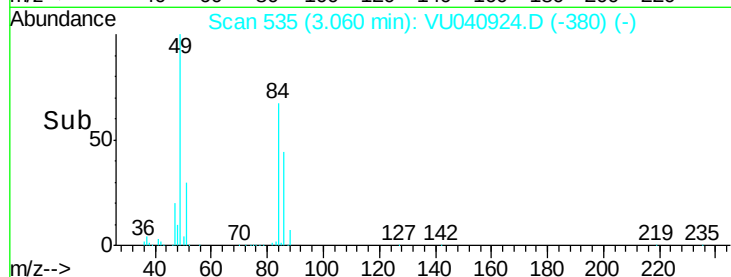
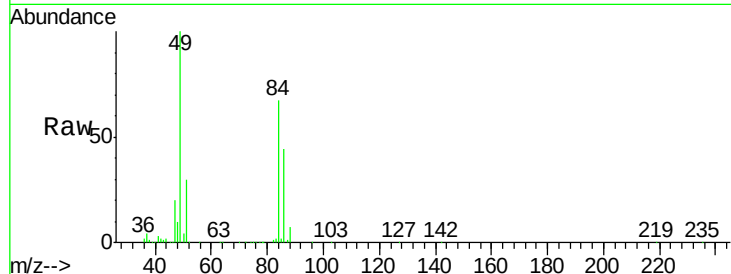
#15
Methylene Chloride
Concen: 8.715 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	84	Resp:	193559
Ion	Ratio	Lower	Upper
84	100		
49	149.0	118.2	177.4
51	43.9	0.0	86.8
86	65.9	51.2	76.8

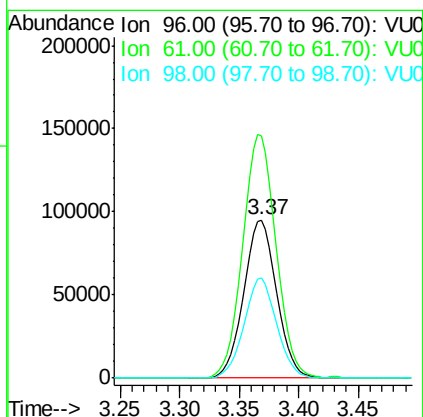
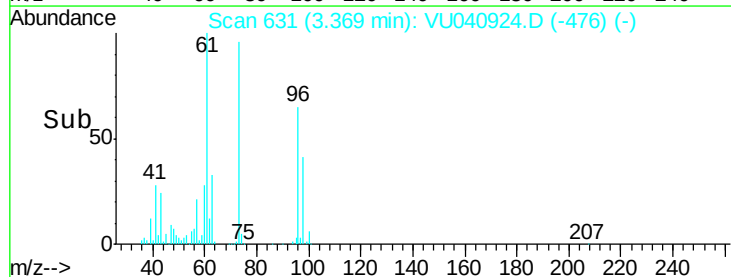
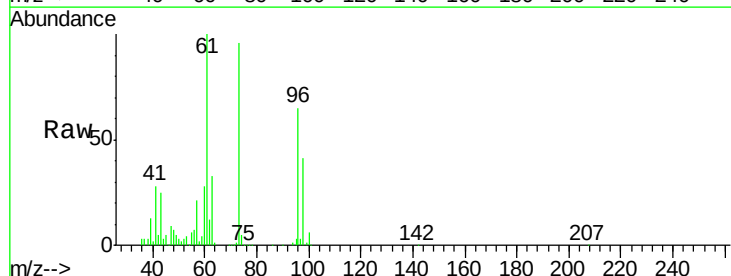
Manual Integrations
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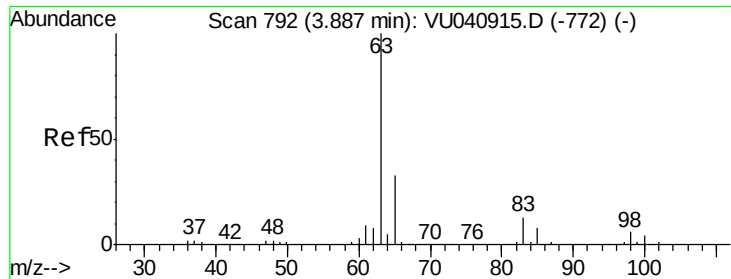
MMDadoda
10/26/2020 4:15:55 PM



#16
trans-1,2-Dichloroethene
Concen: 9.393 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion:	96	Resp:	181791
Ion	Ratio	Lower	Upper
96	100		
61	153.3	127.0	190.4
98	63.3	51.2	76.8





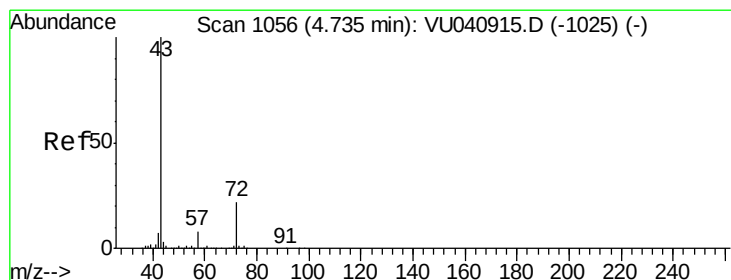
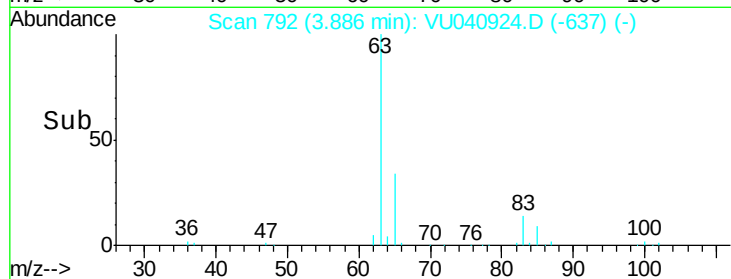
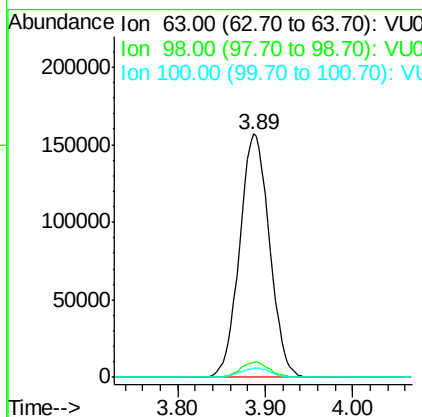
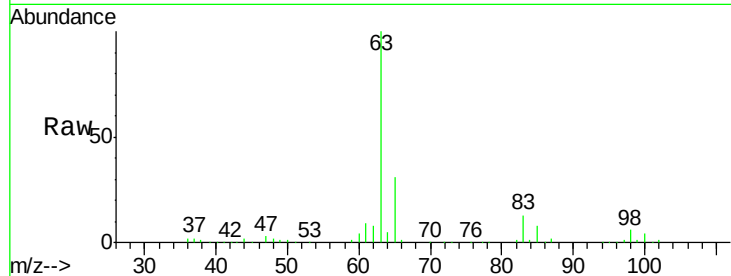
#17
 1,1-Dichloroethane
 Concen: 9.393 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	3.7	1.8	5.5

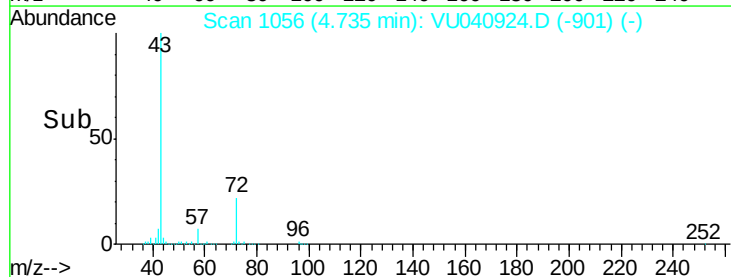
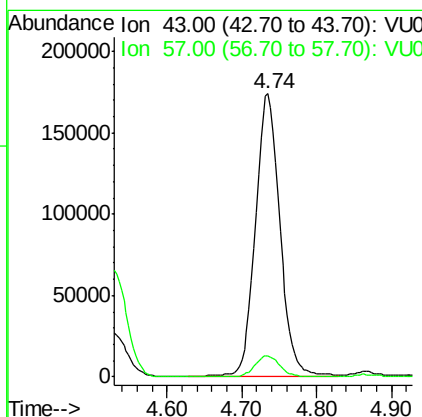
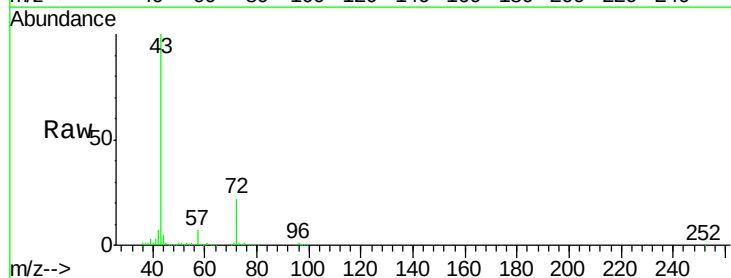
Manual Integrations
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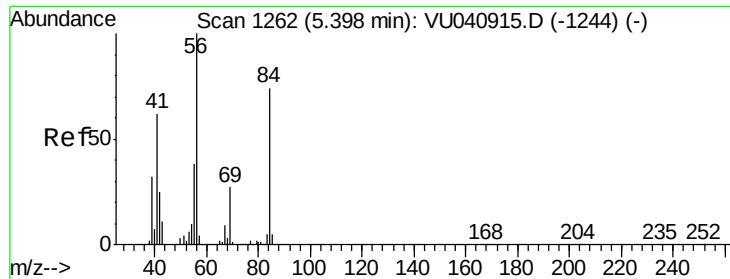
MMDadoda
 10/26/2020 4:15:55 PM



#18
 2-Butanone
 Concen: 48.634 ug/l
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.3	0.0	15.2





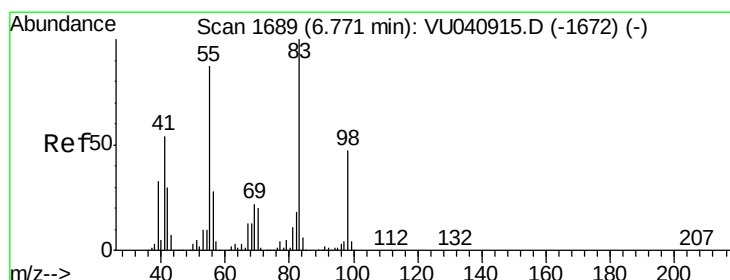
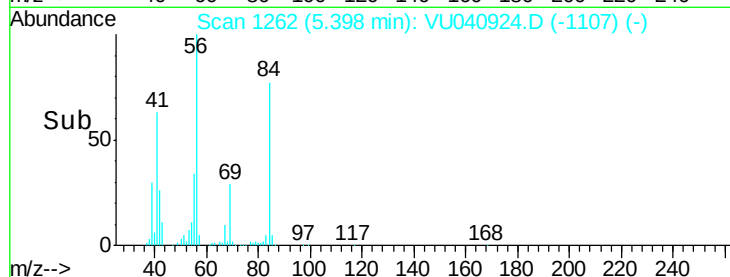
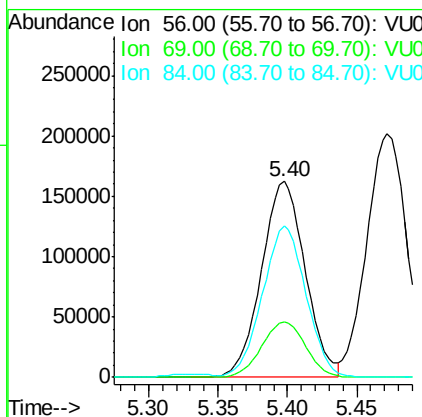
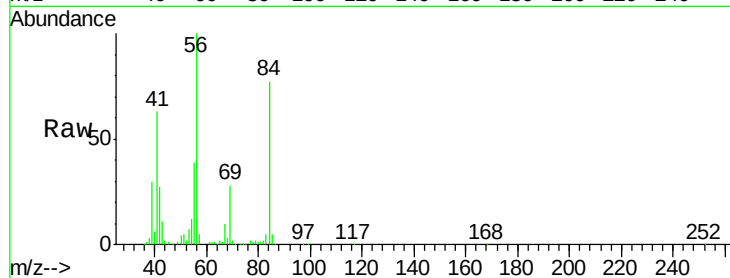
#19
Cyclohexane
Concen: 9.507 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.2	33.2
84	75.2	60.1	90.1

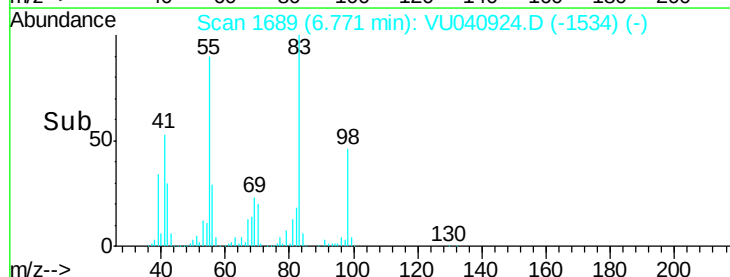
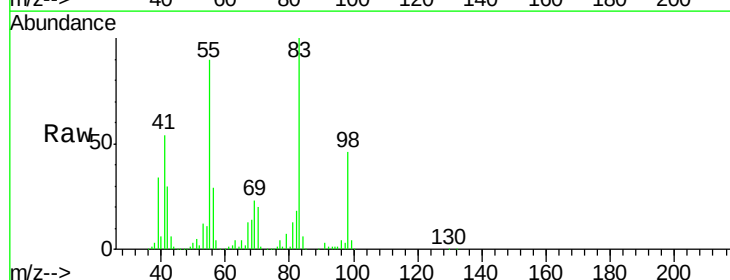
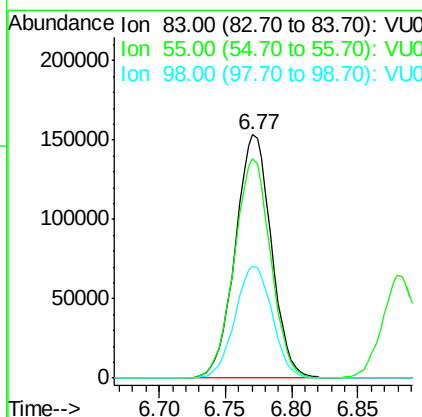
Manual Integrations
APPROVED

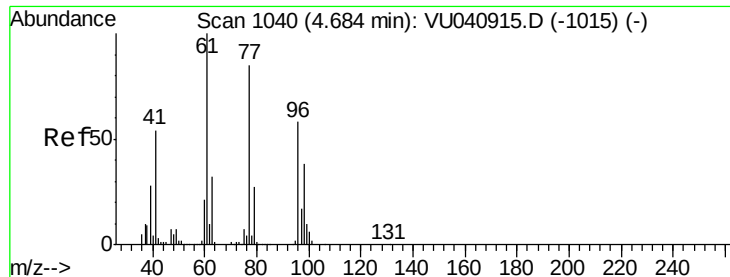
MMDadoda
10/26/2020 4:15:55 PM



#20
Methylcyclohexane
Concen: 10.359 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.8	71.0	106.4
98	47.4	38.1	57.1





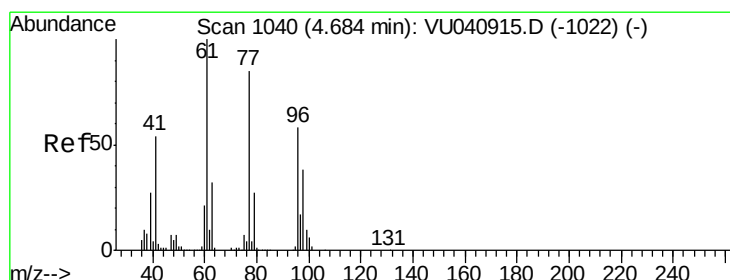
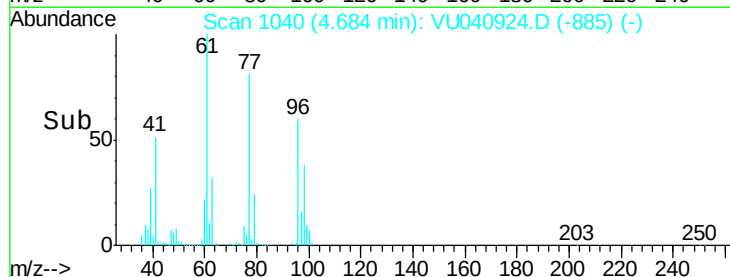
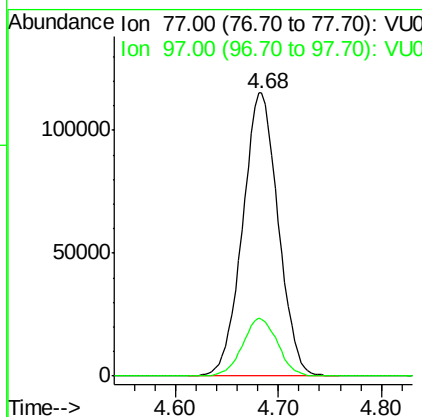
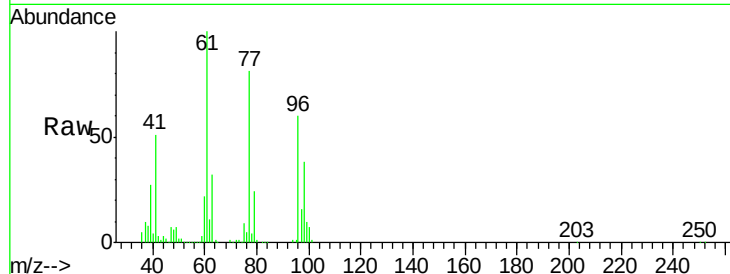
#21
 2,2-Dichloropropane
 Concen: 8.264 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 77 Resp: 276203
 Ion Ratio Lower Upper
 77 100
 97 20.1 16.0 24.0

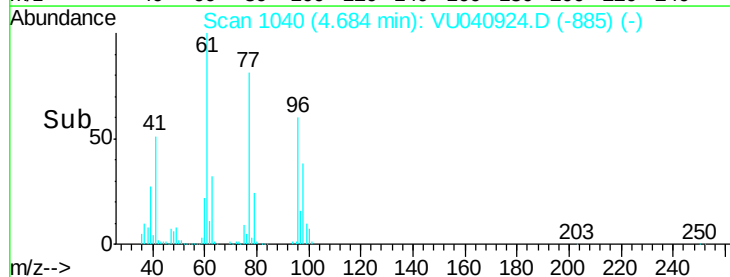
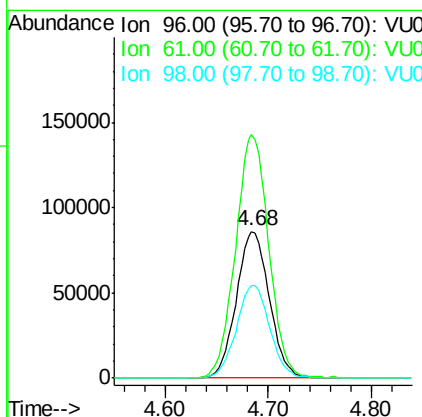
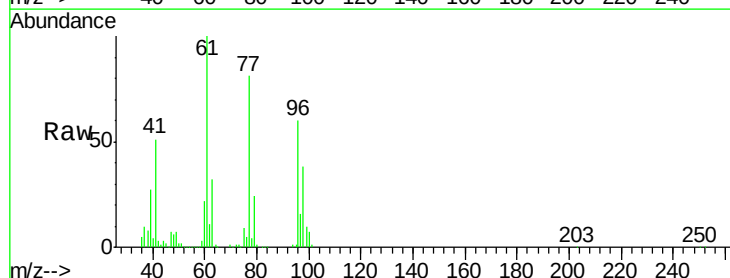
Manual Integrations
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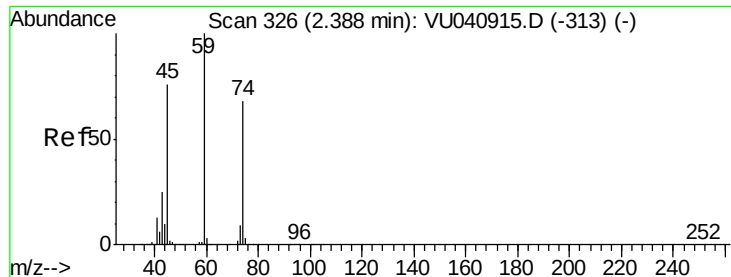
MMDadoda
 10/26/2020 4:15:55 PM



#22
 cis-1,2-Dichloroethene
 Concen: 9.271 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Tgt Ion: 96 Resp: 191434
 Ion Ratio Lower Upper
 96 100
 61 167.1 0.0 434.5
 98 64.3 32.6 97.8





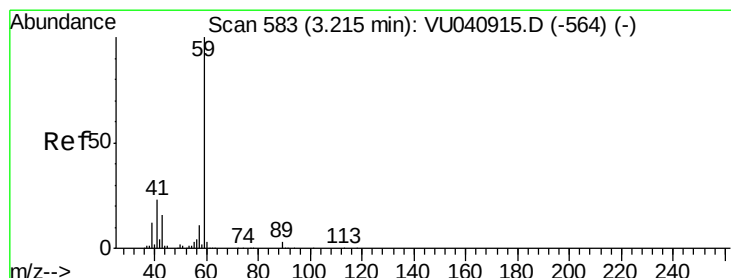
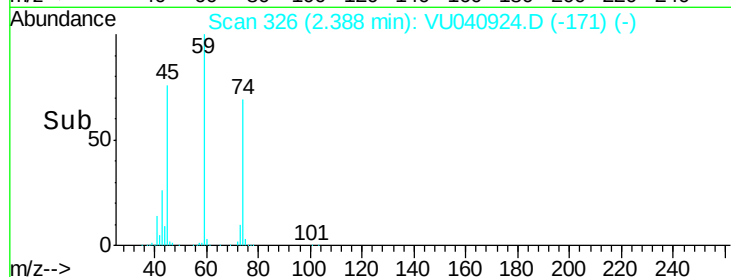
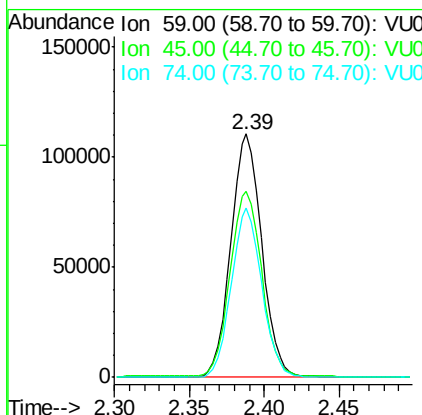
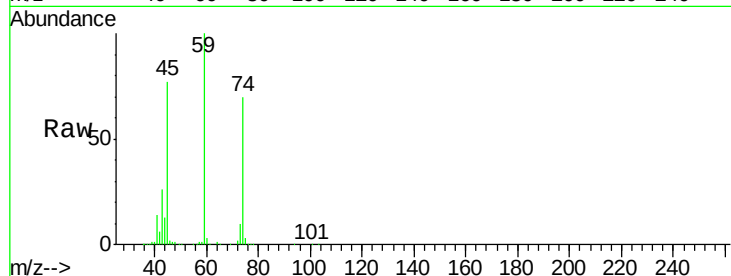
#23
Diethyl Ether
Concen: 9.441 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
45	78.3	61.4	92.2
74	68.4	55.0	82.4

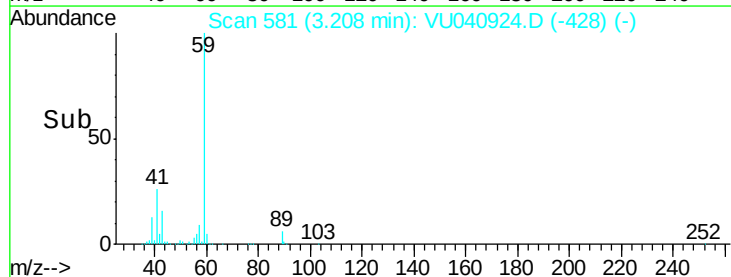
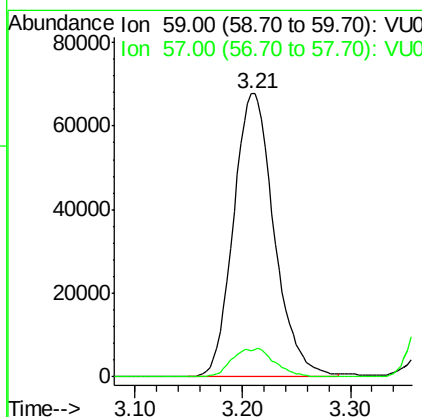
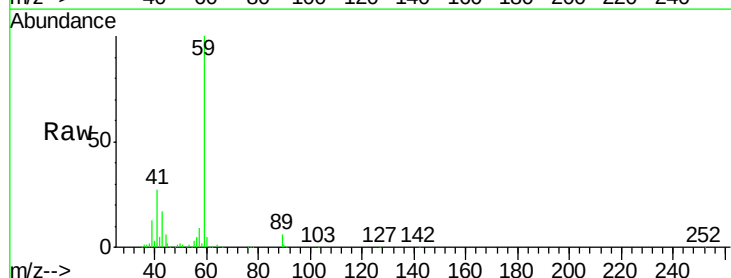
Manual Integrations
APPROVED

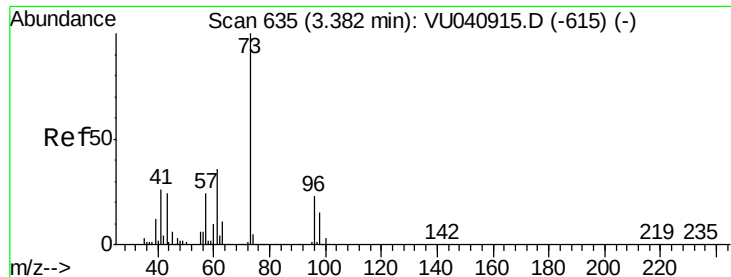
MMDadoda
10/26/2020 4:15:55 PM



#24
tert-Butyl Alcohol
Concen: 94.488 ug/l
RT: 3.21 min Scan# 581
Delta R.T. -0.01 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6





#25

Methyl tert-Butyl Ether

Concen: 9.518 ug/l

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 73 Resp: 504826

Ion Ratio Lower Upper

73 100

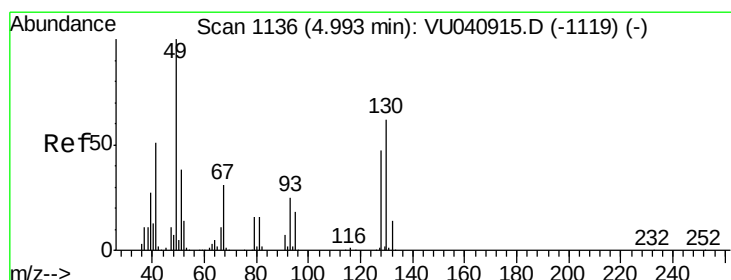
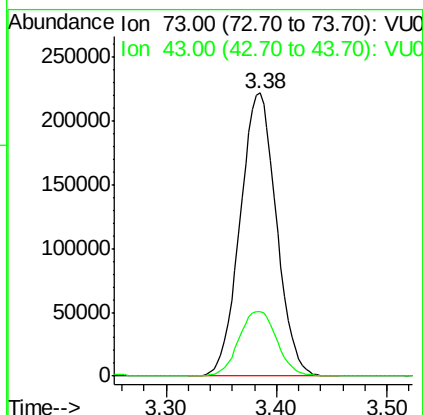
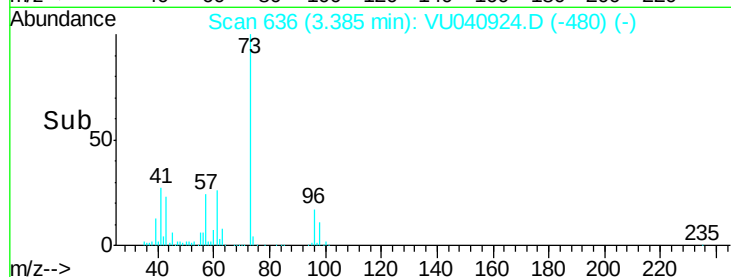
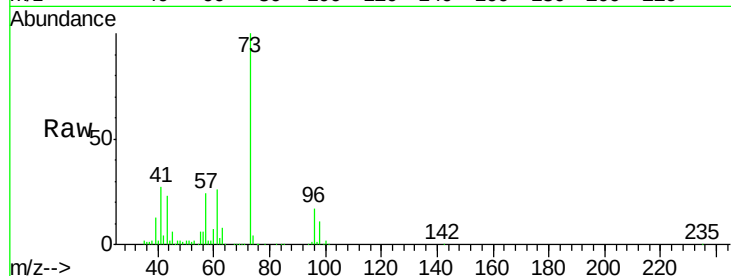
43 23.8 19.0 28.6

Manual Integrations

APPROVED

MMDadoda

10/26/2020 4:15:55 PM



#26

Bromochloromethane

Concen: 9.630 ug/l

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

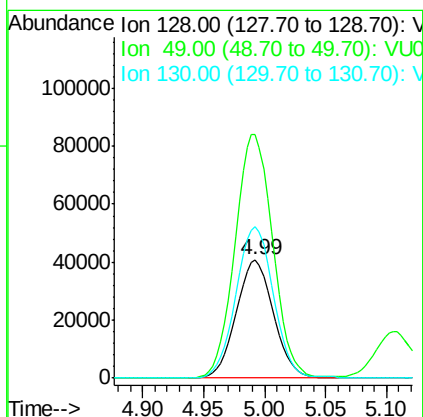
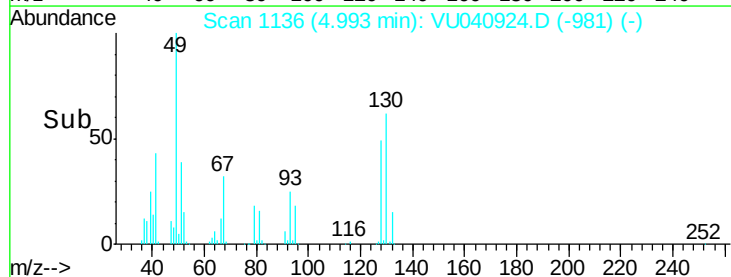
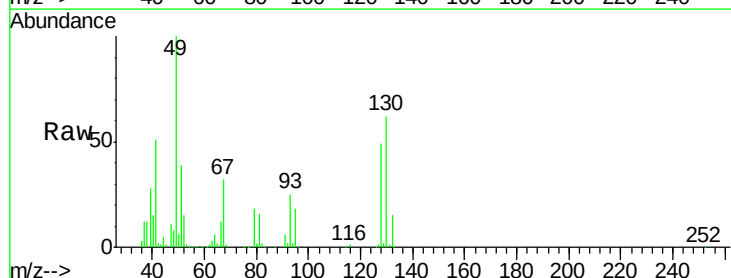
Tgt Ion: 128 Resp: 86431

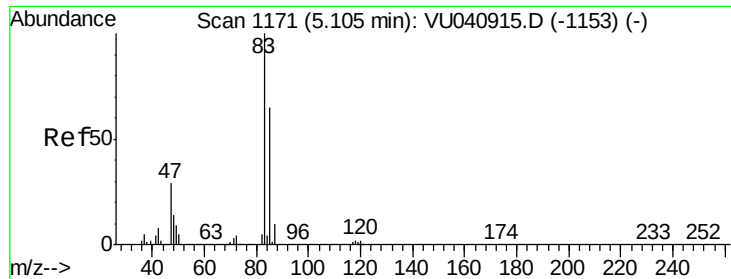
Ion Ratio Lower Upper

128 100

49 208.3 0.0 426.4

130 127.8 106.2 159.4





#27

Chloroform

Concen: 9.354 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 353850

Ion Ratio Lower Upper

83 100

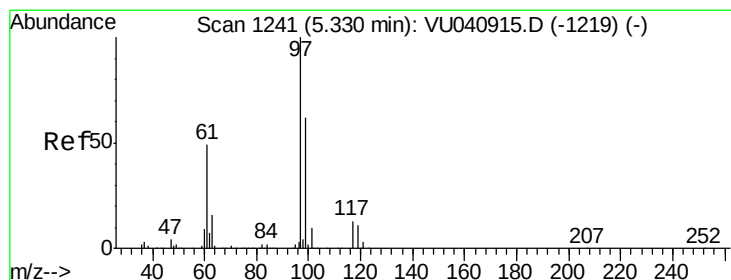
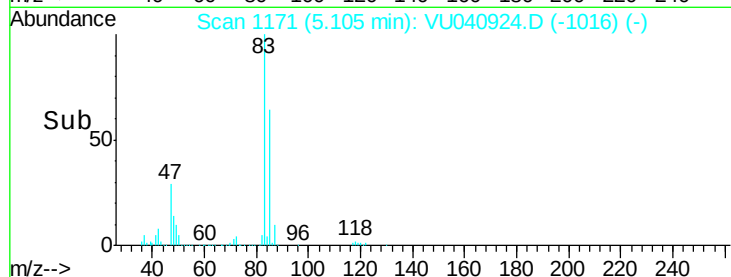
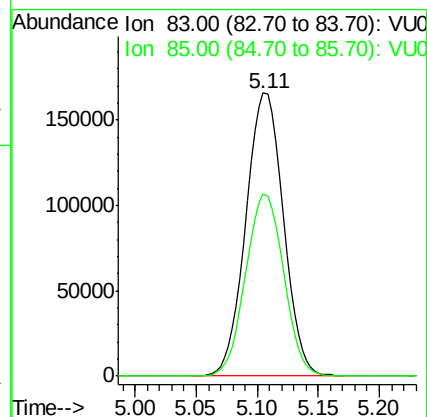
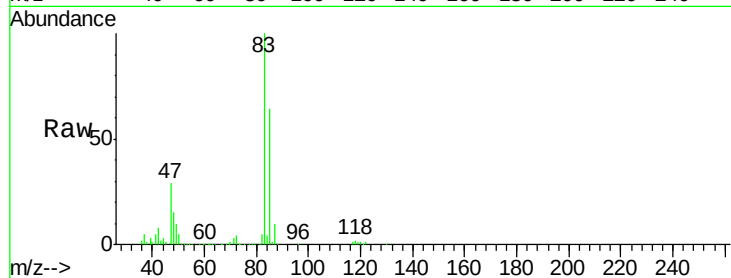
85 64.3 0.0 129.0

Manual Integrations

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#28

1,1,1-Trichloroethane

Concen: 9.312 ug/l

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

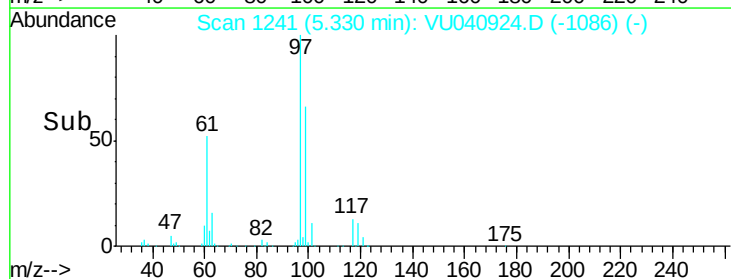
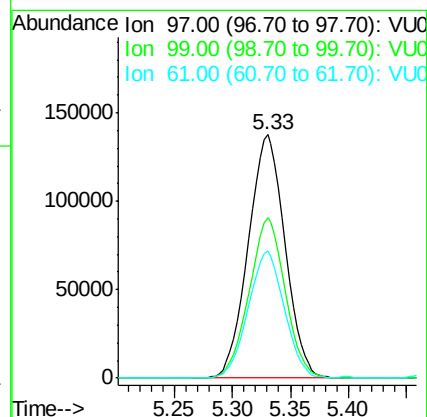
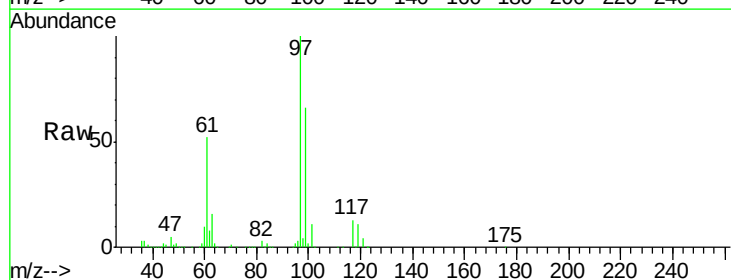
Tgt Ion: 97 Resp: 303722

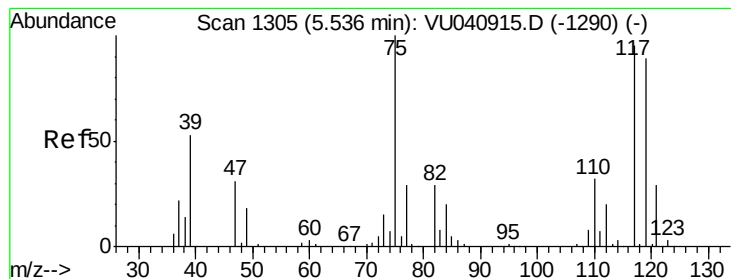
Ion Ratio Lower Upper

97 100

99 64.6 31.4 94.3

61 51.1 24.7 74.1





#29

1,1-Dichloropropene

Concen: 9.510 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 271750
Ion Ratio Lower Upper

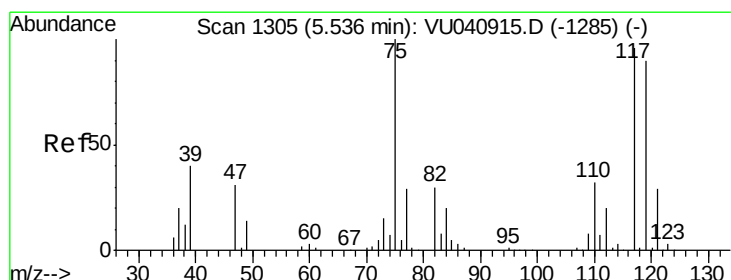
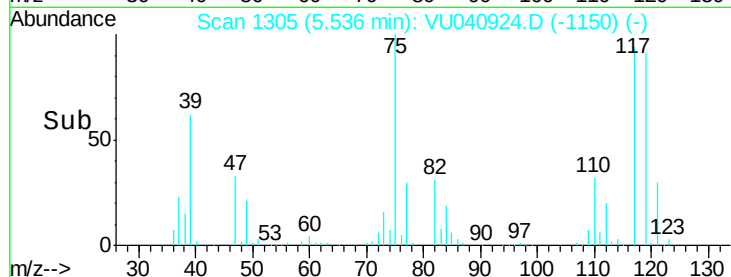
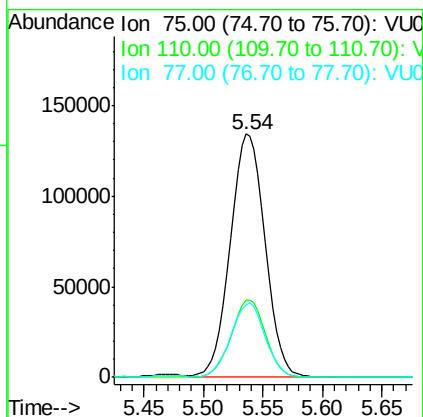
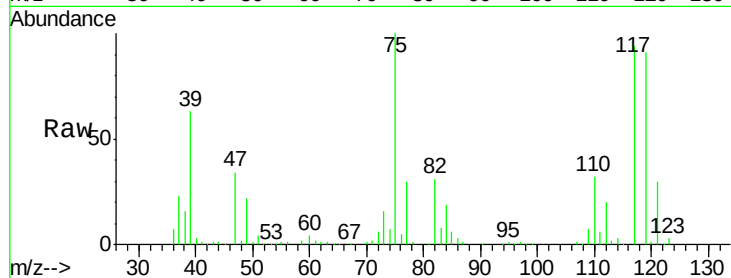
75 100

110 31.5 15.9 47.6

77 30.0 24.2 36.2

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#30

Carbon Tetrachloride

Concen: 9.230 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040924.D

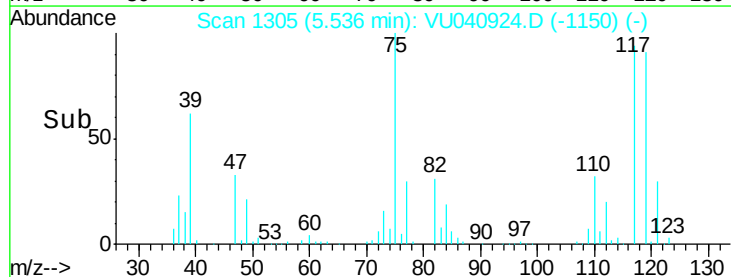
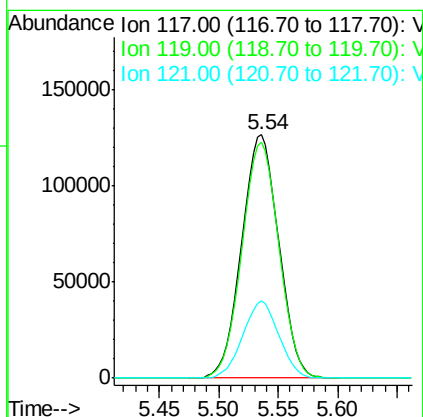
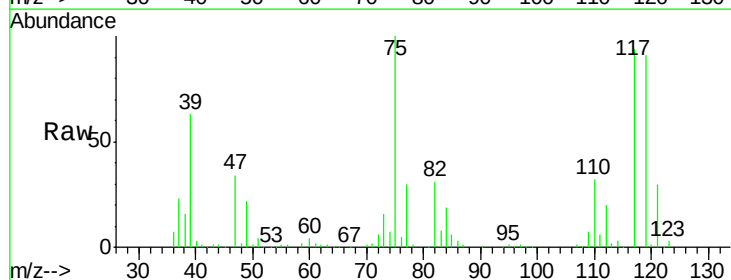
Acq: 23 Oct 2020 01:49

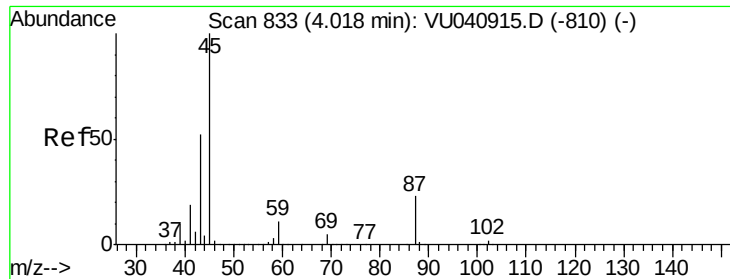
Tgt Ion: 117 Resp: 272464
Ion Ratio Lower Upper

117 100

119 96.7 74.9 112.3

121 31.5 24.1 36.1





#31

Isopropyl Ether

Concen: 9.331 ug/l

RT: 4.02 min Scan# 833

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 571157

Ion Ratio Lower Upper

45 100

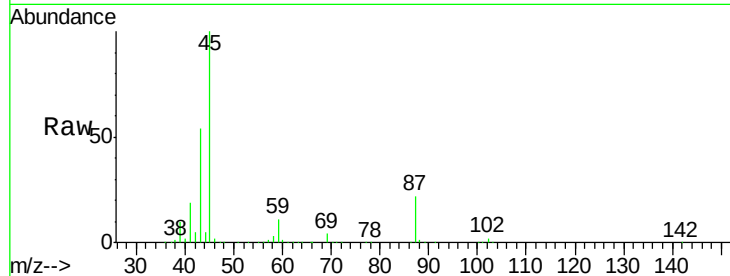
43 54.0 26.8 80.3

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Abundance Ion 45.00 (44.70 to 45.70): VU040924.D (-837) (-)

Ion 43.00 (42.70 to 43.70): VU040924.D (-837) (-)

250000

200000

150000

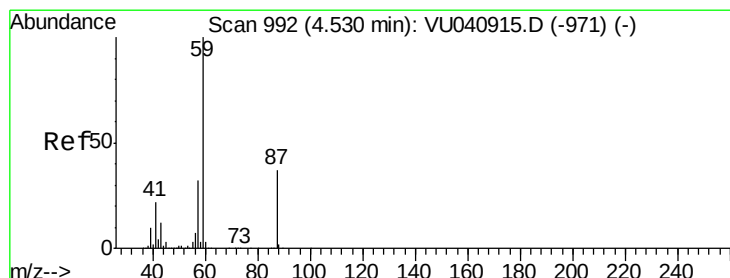
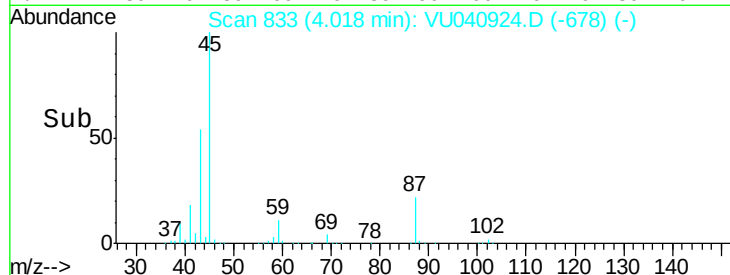
100000

50000

0

3.90 4.00 4.10

Time-->



#32

Ethyl-t-butyl ether

Concen: 9.432 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU040924.D

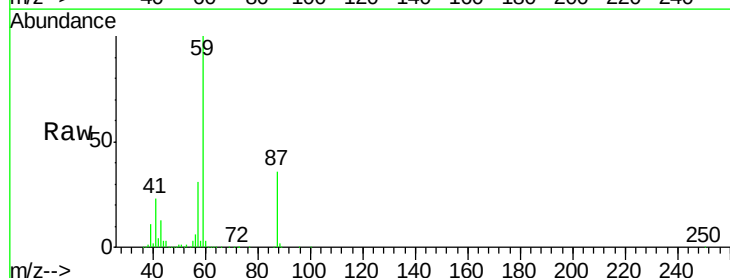
Acq: 23 Oct 2020 01:49

Tgt Ion: 59 Resp: 508443

Ion Ratio Lower Upper

59 100

87 37.4 30.6 46.0



Abundance Ion 59.00 (58.70 to 59.70): VU040924.D (-837) (-)

Ion 87.00 (86.70 to 87.70): VU040924.D (-837) (-)

250000

200000

150000

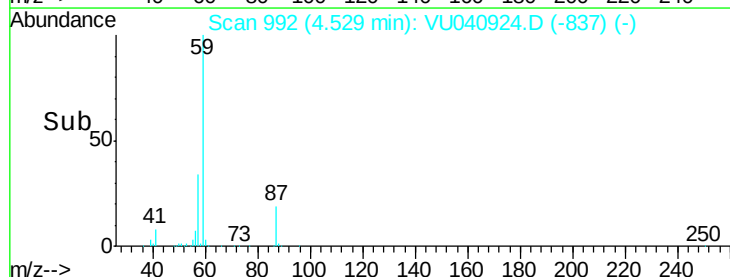
100000

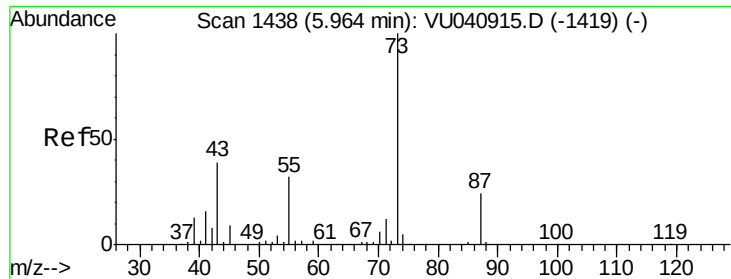
50000

0

4.40 4.50 4.60

Time-->





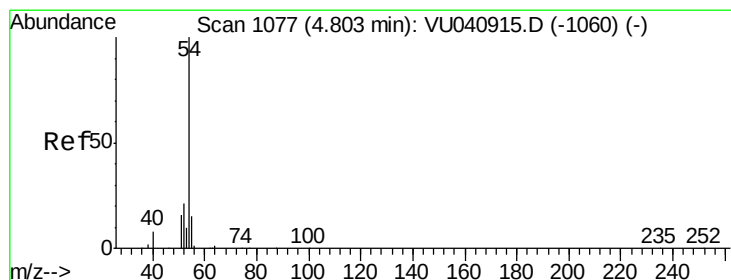
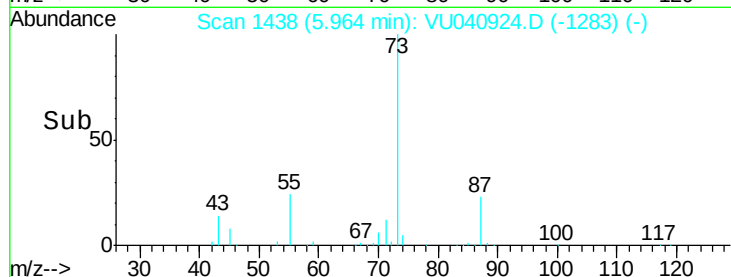
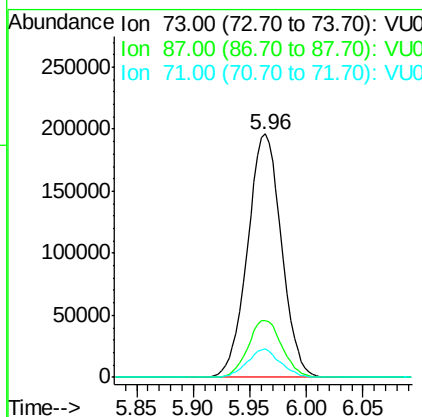
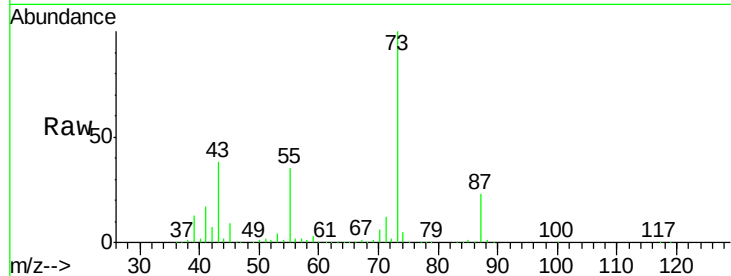
#33
Tert-Butyl methyl ether
Concen: 10.154 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.5	19.0	28.4
71	11.5	9.7	14.5

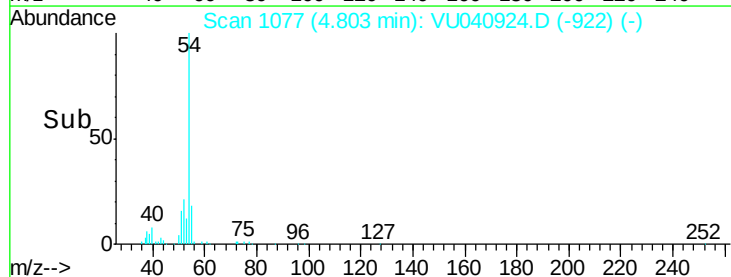
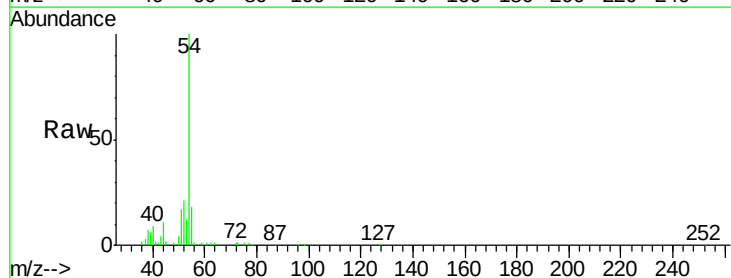
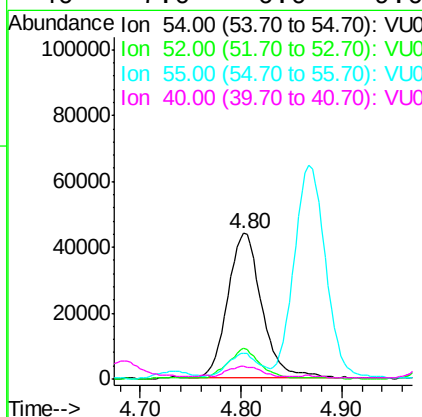
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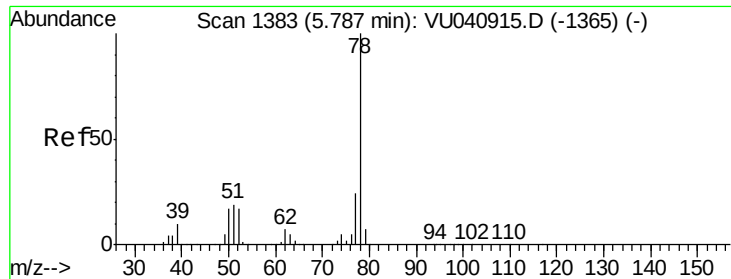
MMDadoda
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#34
Propionitrile
Concen: 46.159 ug/l
RT: 4.80 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.3	15.5	23.3
55	16.6	12.5	18.7
40	7.0	6.0	9.0





#35

Benzene

Concen: 9.575 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 758450

Ion Ratio Lower Upper

78 100

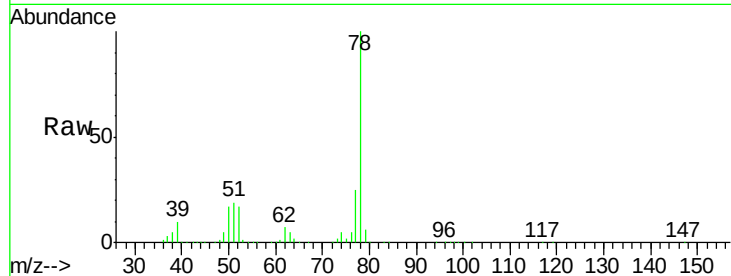
77 24.7 19.4 29.2

Manual Integrations

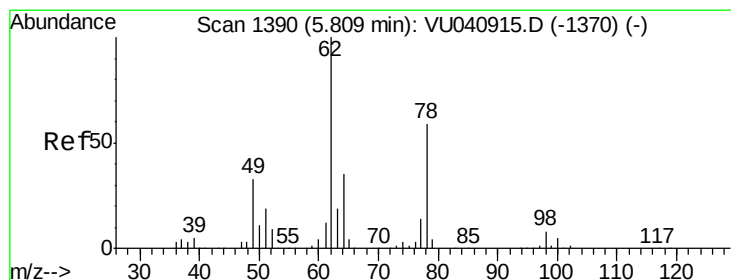
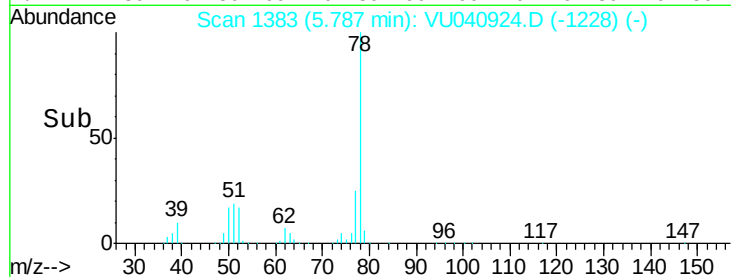
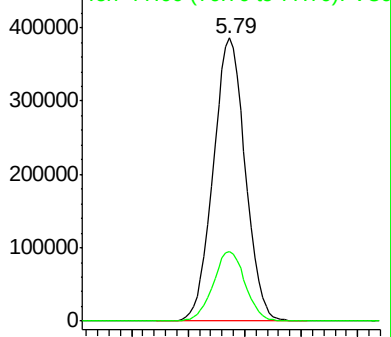
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Abundance Ion 78.10 (77.80 to 78.80): VU040924.D (-1228) (-)



#36

1,2-Dichloroethane

Concen: 9.444 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU040924.D

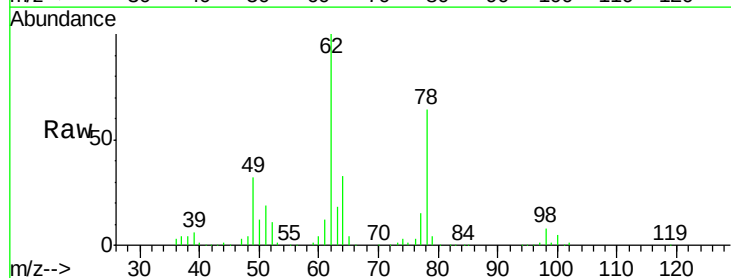
Acq: 23 Oct 2020 01:49

Tgt Ion: 62 Resp: 277293

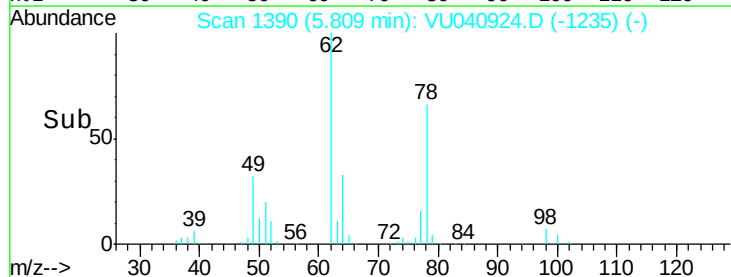
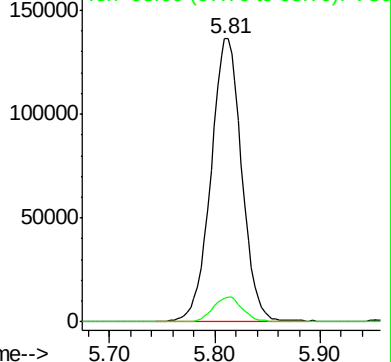
Ion Ratio Lower Upper

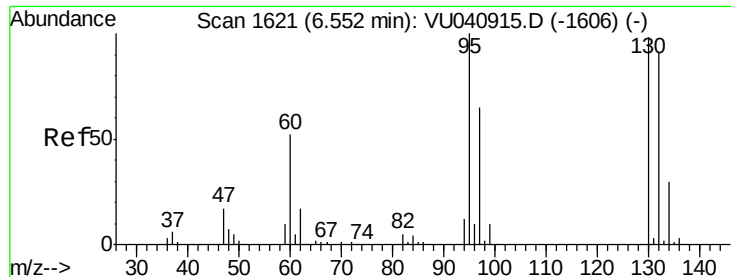
62 100

98 8.4 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU040924.D (-1235) (-)





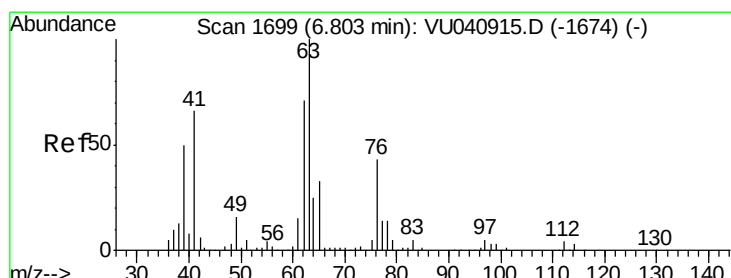
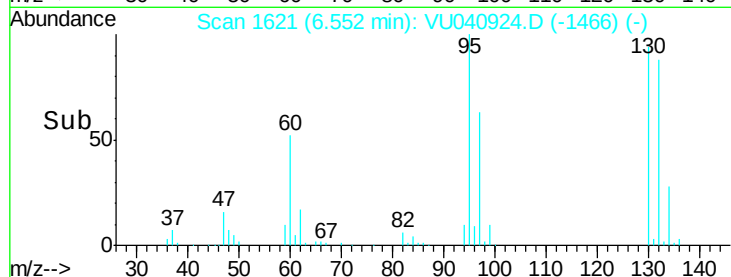
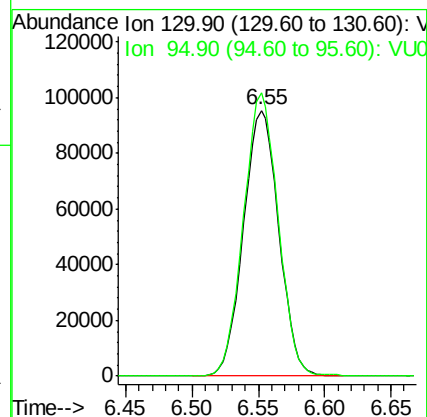
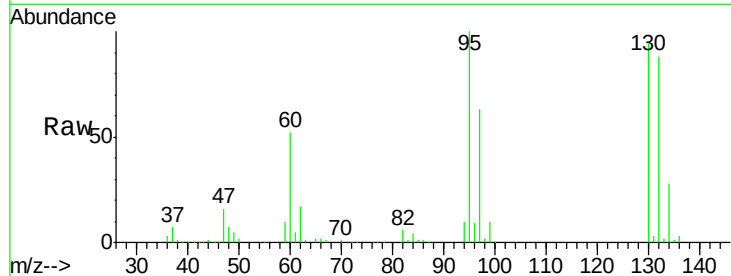
#37
 Trichloroethene
 Concen: 9.462 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:130 Resp: 177179
 Ion Ratio Lower Upper
 130 100
 95 106.4 81.9 122.9

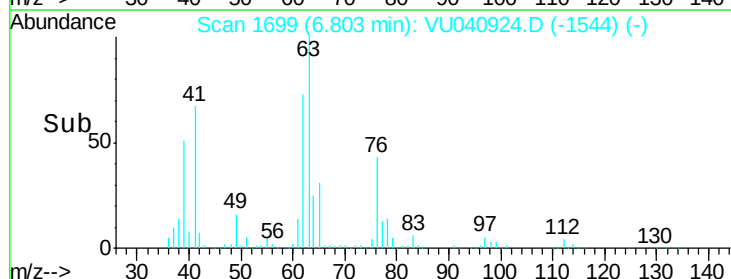
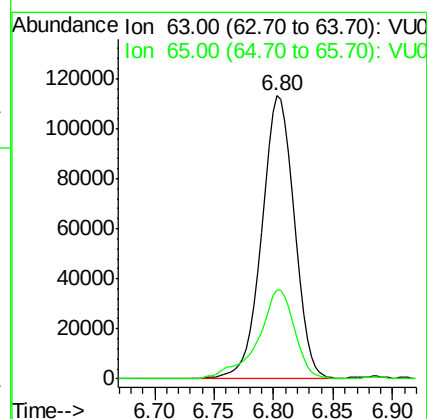
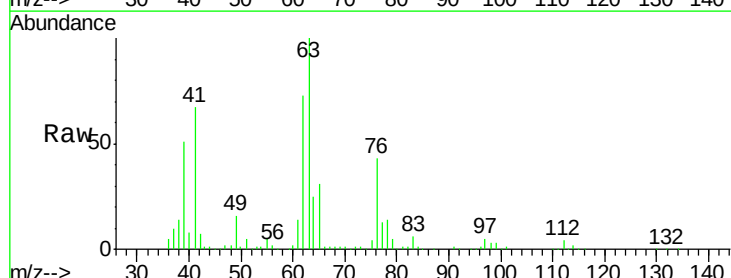
Manual Integrations
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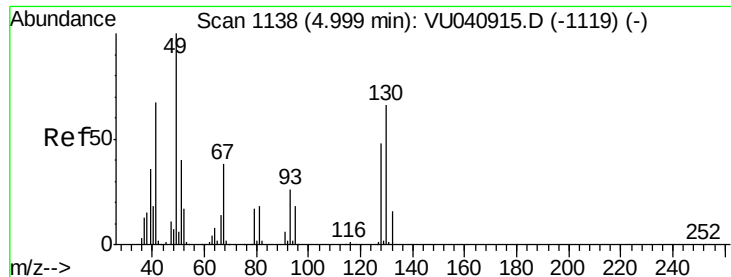
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#38
 1,2-Dichloropropane
 Concen: 9.579 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Tgt Ion: 63 Resp: 215280
 Ion Ratio Lower Upper
 63 100
 65 31.4 26.2 39.2





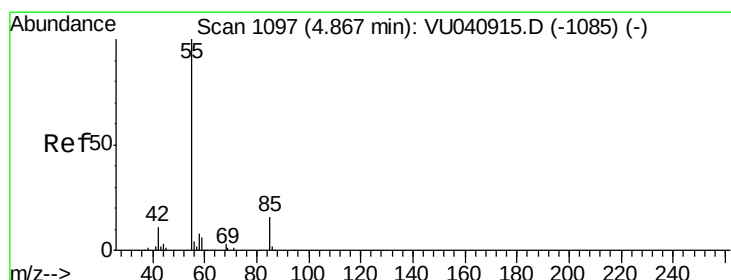
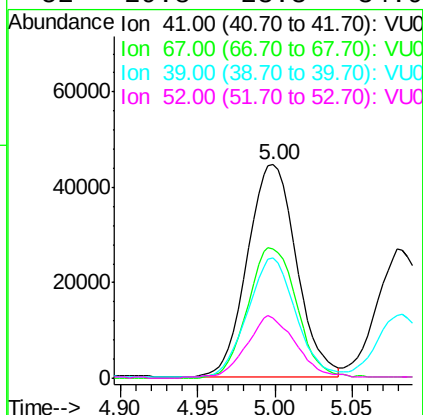
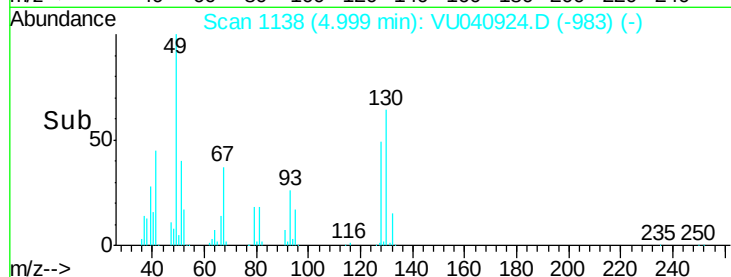
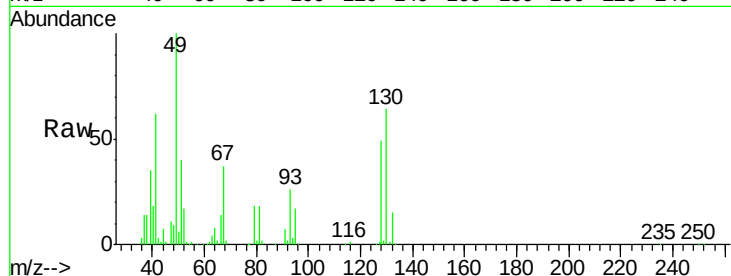
#39
Methacrylonitrile
Concen: 9.377 ug/l
RT: 5.00 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	41	Resp	98507
Ion	Ratio	Lower	Upper
41	100		
67	62.3	48.7	73.1
39	55.0	44.6	67.0
52	29.8	23.3	34.9

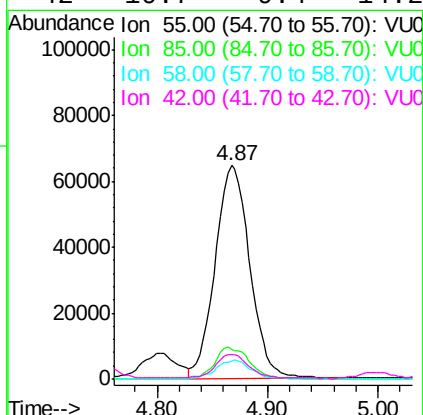
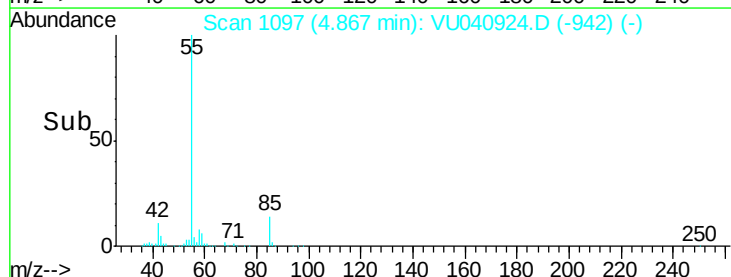
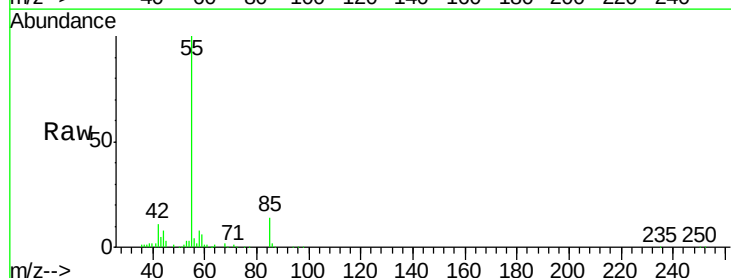
Manual Integrations
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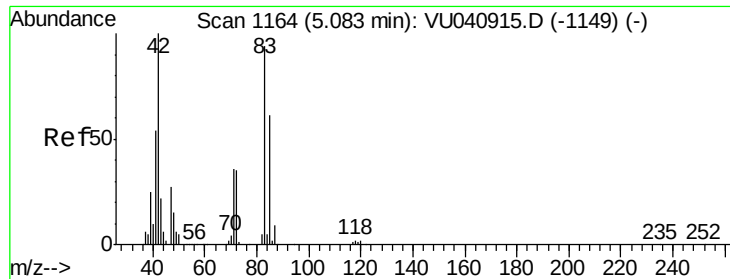
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#40
Methyl acrylate
Concen: 9.776 ug/l
RT: 4.87 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	55	Resp	140829
Ion	Ratio	Lower	Upper
55	100		
85	15.0	12.2	18.2
58	8.8	6.8	10.2
42	10.7	9.4	14.2





#41

Tetrahydrofuran

Concen: 18.481 ug/l

RT: 5.08 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

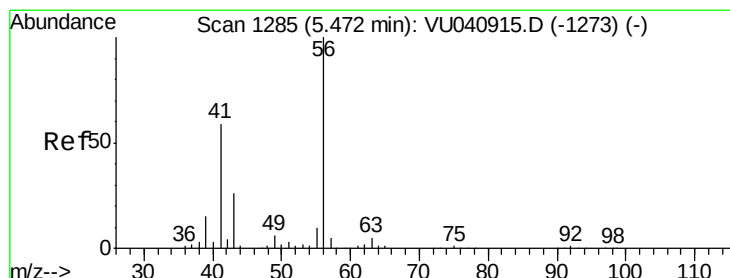
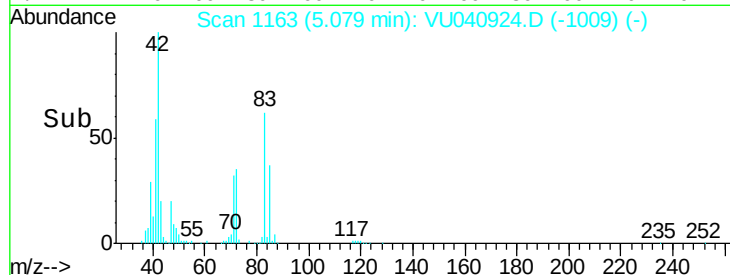
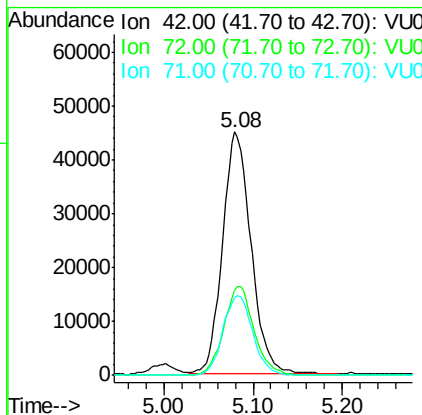
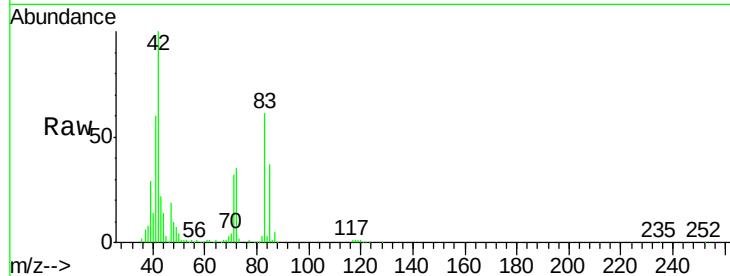
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	99872
Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.1	45.1
71	34.2	27.9	41.9

Manual Integrations
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#42

1-Chlorobutane

Concen: 9.363 ug/l

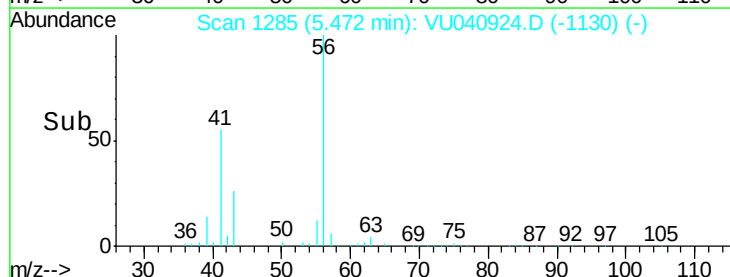
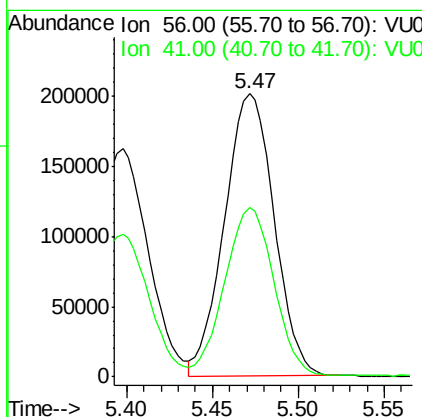
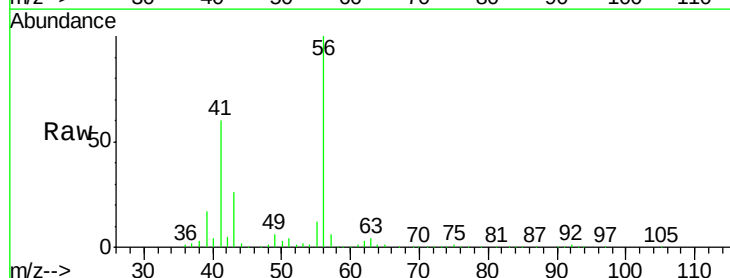
RT: 5.47 min Scan# 1285

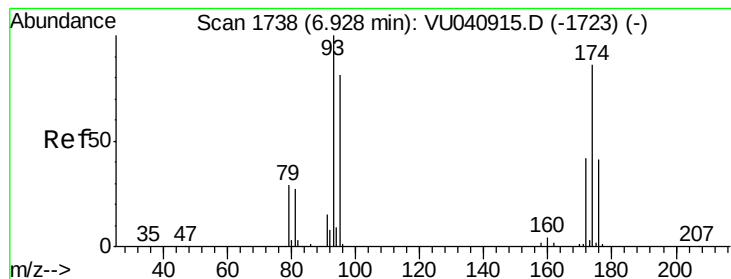
Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Tgt Ion:	56	Resp:	404477
Ion	Ratio	Lower	Upper
56	100		
41	58.7	29.6	88.8





#43

Dibromomethane

Concen: 9.524 ug/l

RT: 6.93 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

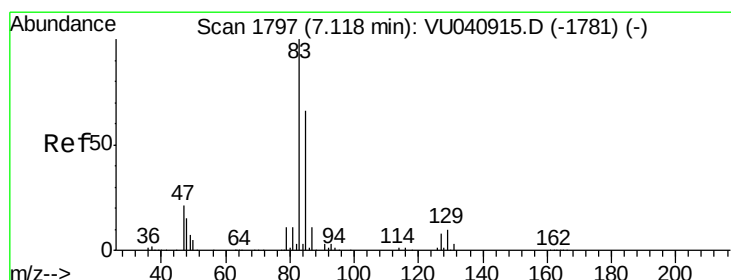
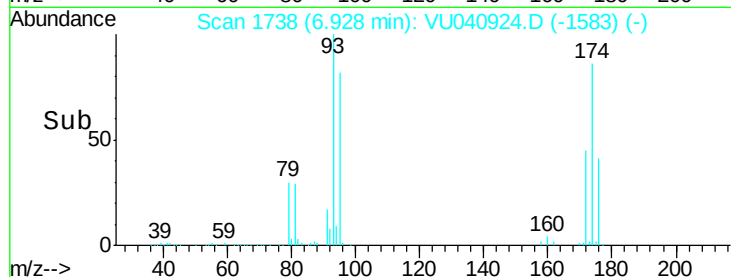
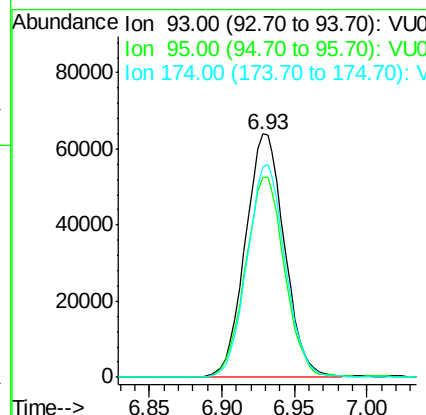
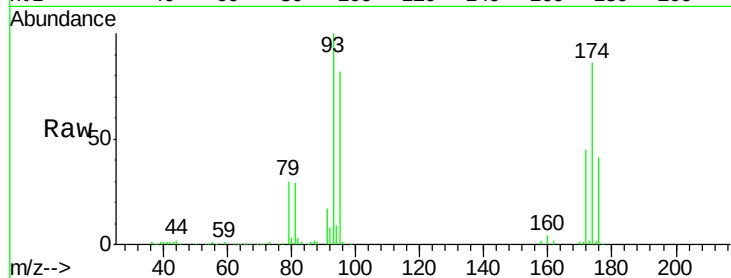
ClientSampleId :

VSTDCCC010EC

Tot Ion:	93	Resp:	119945
Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.3	99.5
174	85.2	70.4	105.6

Manual Integrations
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#44

Bromodichloromethane

Concen: 9.635 ug/l

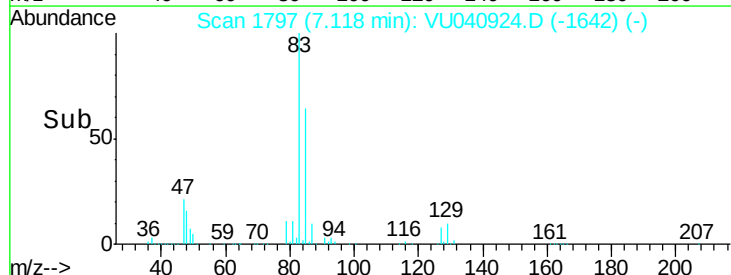
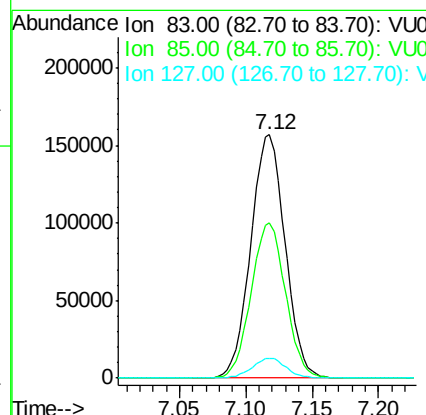
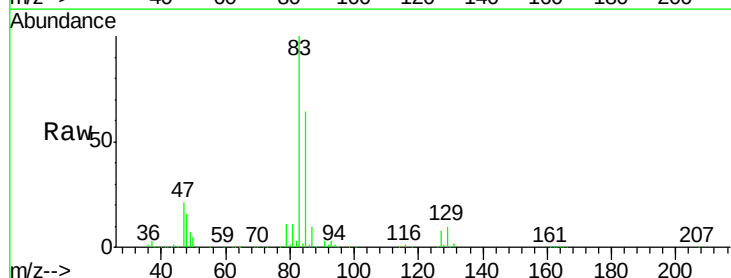
RT: 7.12 min Scan# 1797

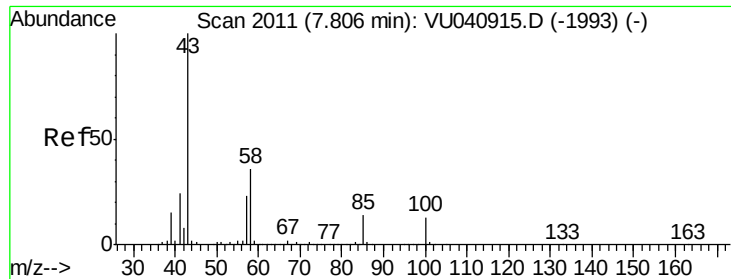
Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Tgt Ion:	83	Resp:	281742
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	78.8
127	8.2	6.4	9.6





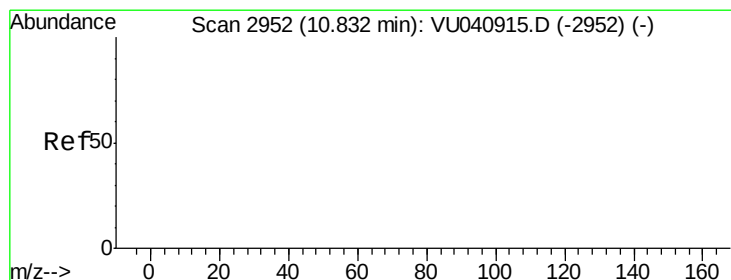
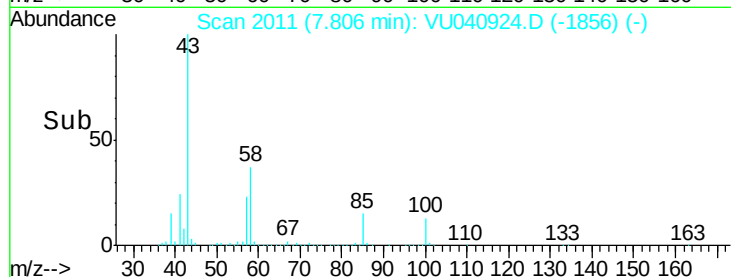
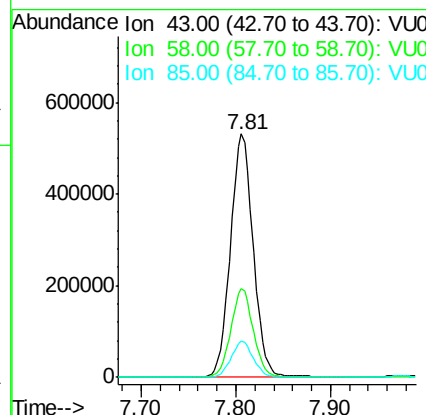
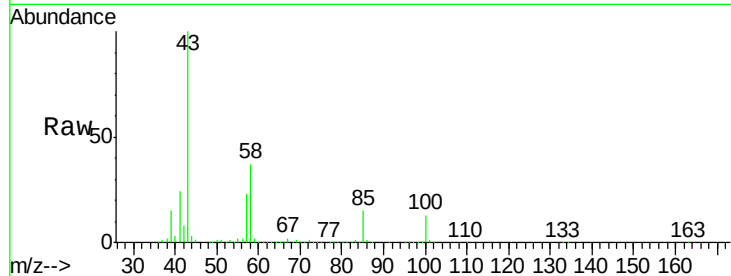
#45
 4-Methyl-2-Pentanone
 Concen: 53.948 ug/l
 RT: 7.81 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.8	17.8	53.5
85	14.6	11.4	17.2

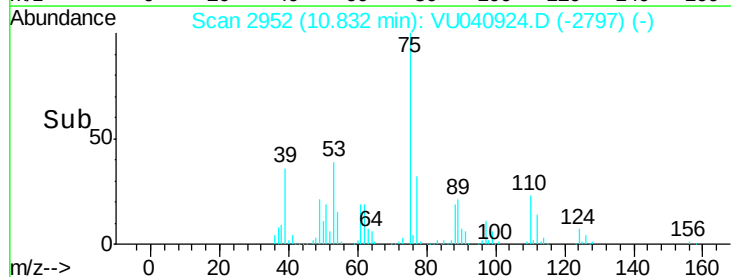
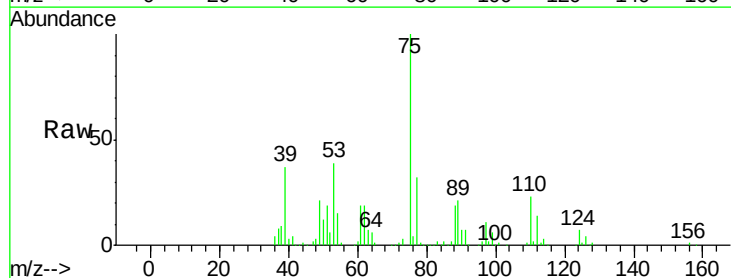
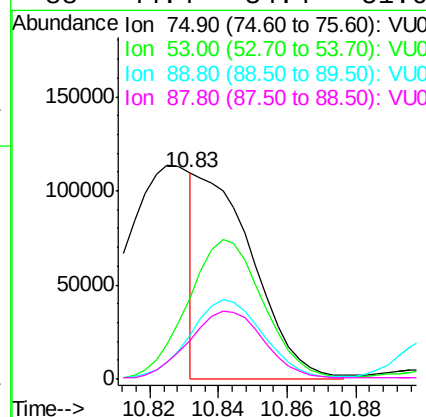
Manual Integrations
 APPROVED

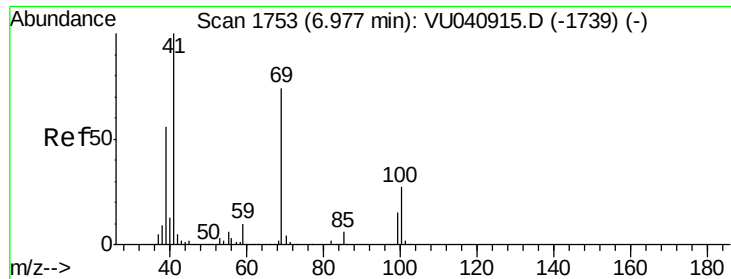
MMDadoda
 10/26/2020 4:15:55 PM



#46
 t-1,4-Dichloro-2-butene
 Concen: 19.247 ug/l m
 RT: 10.83 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.5	73.0	109.4
89	50.6	41.7	62.5
88	44.4	34.4	51.6





#47

Methvl methacrylate

Concen: 21.953 ug/l

RT: 6.98 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

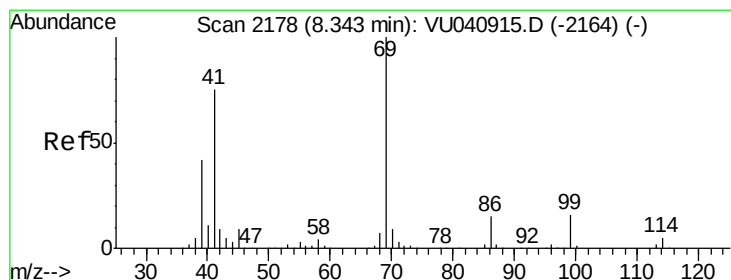
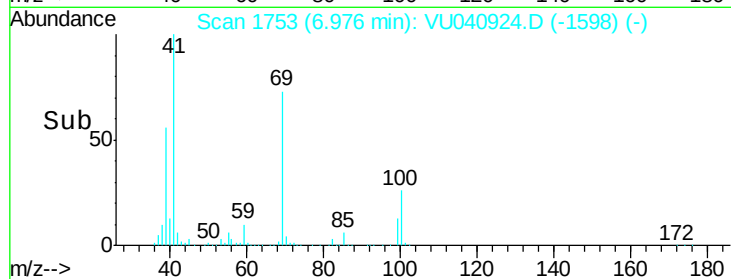
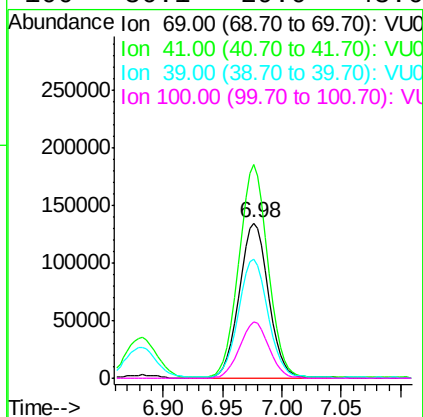
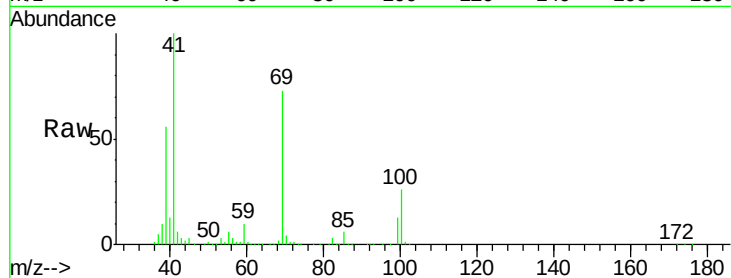
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		230848		
41	135.2	0.0	270.2		
39	76.8	61.6	92.4		
100	36.1	29.0	43.6		

Manual Integrations
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#48

Ethyl methacrylate

Concen: 10.813 ug/l

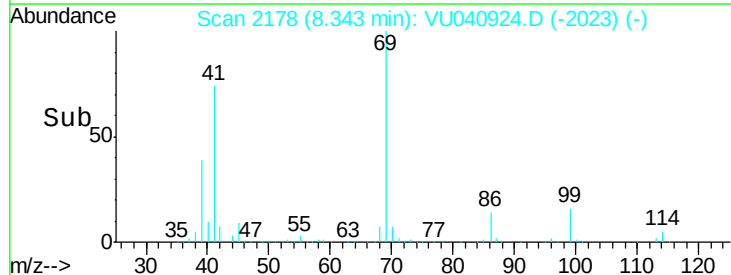
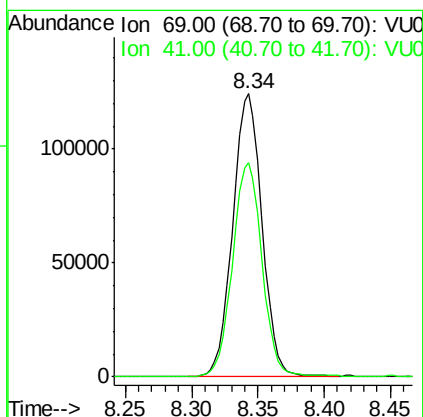
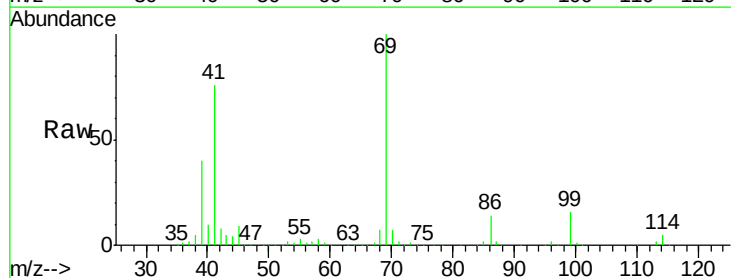
RT: 8.34 min Scan# 2178

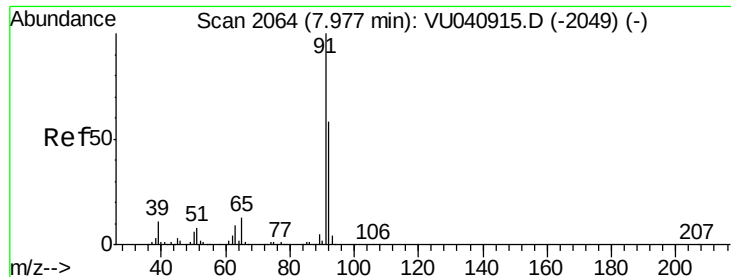
Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		191275		
41	76.0	37.6	112.9		





#49

Toluene

Concen: 10.378 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 452096

Ion Ratio Lower Upper

92 100

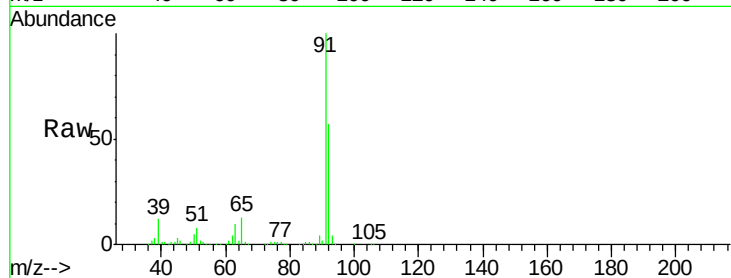
91 174.5 136.8 205.2

Manual Integrations

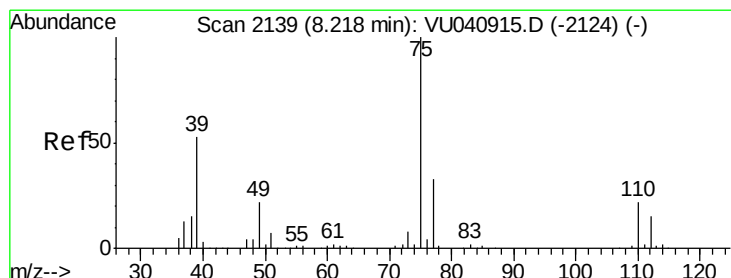
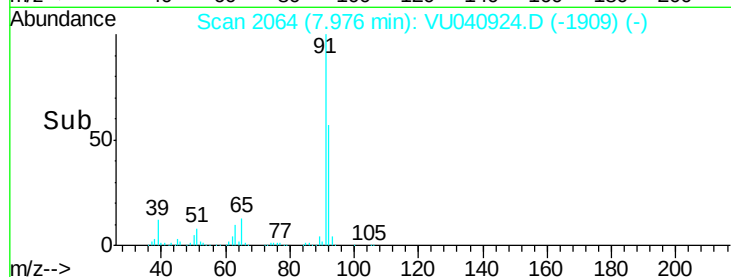
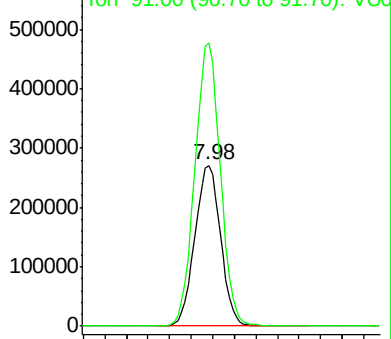
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Abundance Ion 92.00 (91.70 to 92.70): VU040924.D (-1909) (-)



#50

t-1,3-Dichloropropene

Concen: 9.994 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040924.D

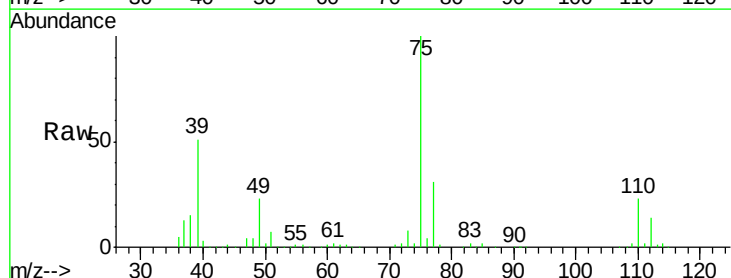
Acq: 23 Oct 2020 01:49

Tgt Ion: 75 Resp: 252565

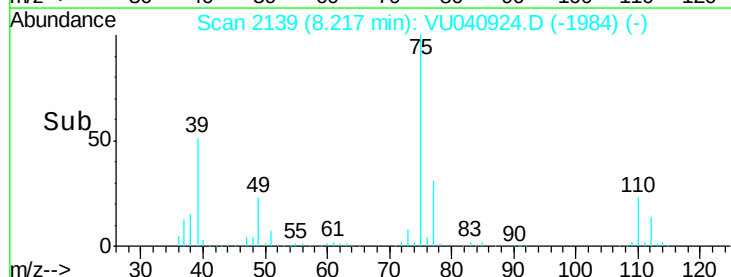
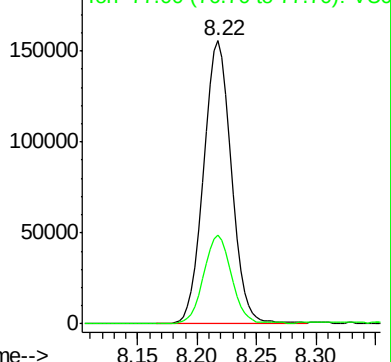
Ion Ratio Lower Upper

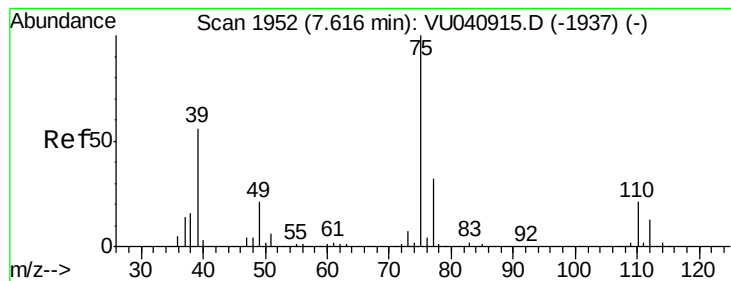
75 100

77 31.1 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU040924.D (-1984) (-)





#51

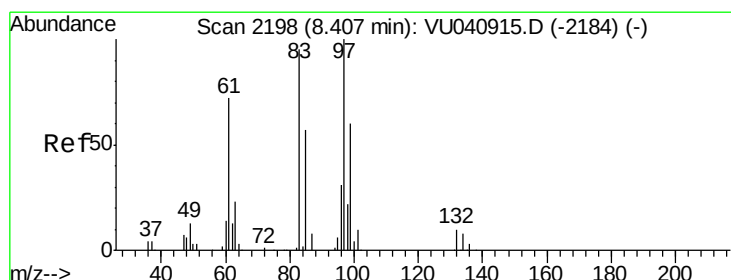
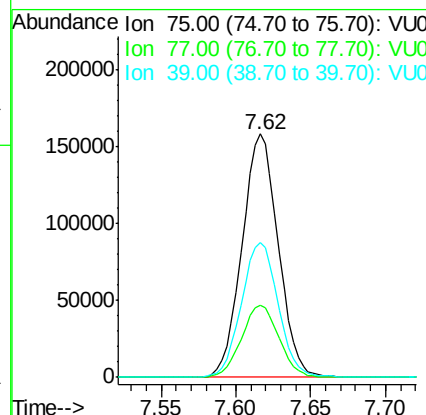
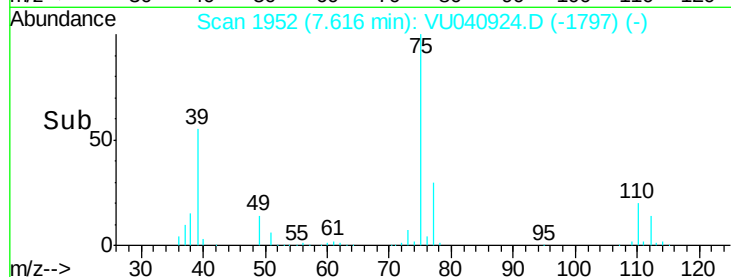
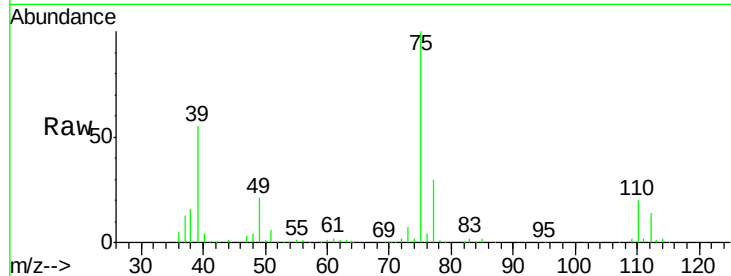
cis-1,3-Dichloropropene
Concen: 9.611 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.4	38.0
39	54.9	44.7	67.1

Manual Integrations
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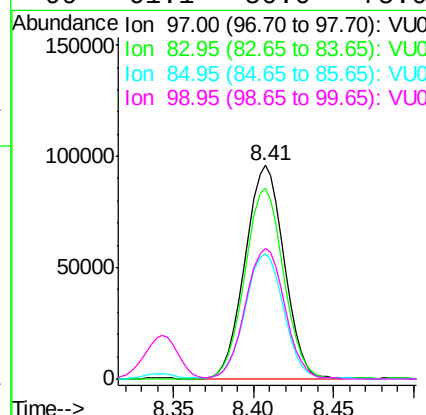
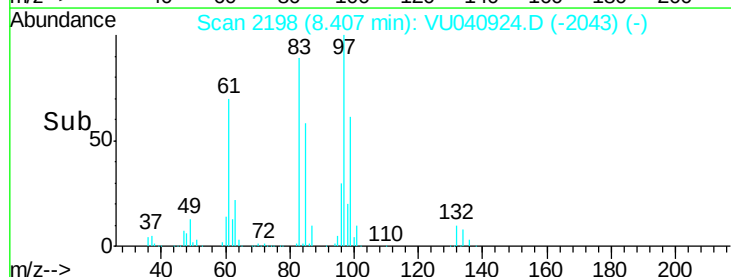
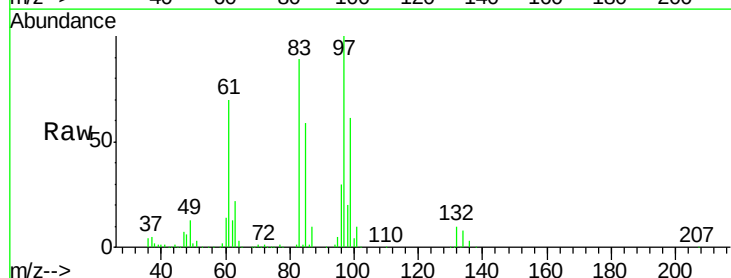
MMDadoda
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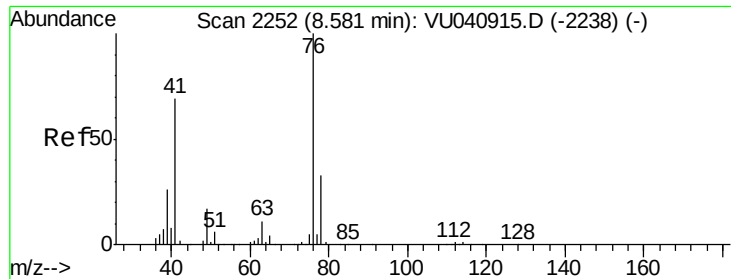


#52

1,1,2-Trichloroethane
Concen: 10.024 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.0	75.9	113.9
85	58.1	46.1	69.1
99	61.1	50.0	75.0





#53

1,3-Dichloropropane

Concen: 10.029 ug/l

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 286700

Ion Ratio Lower Upper

76 100

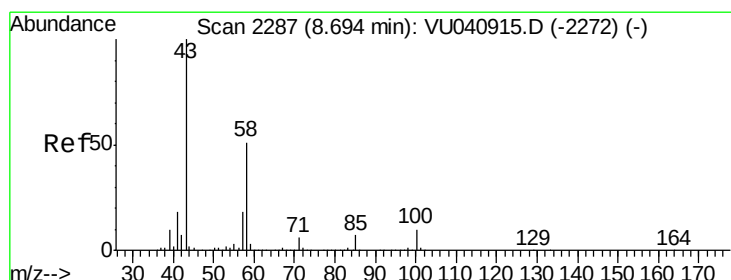
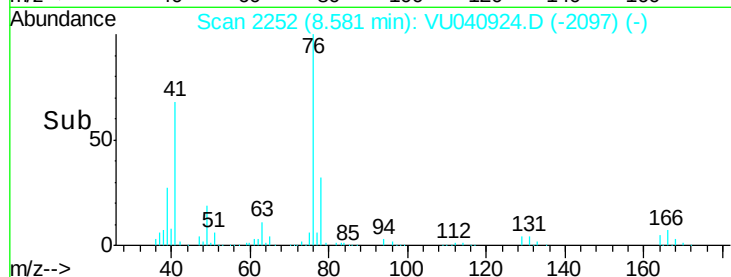
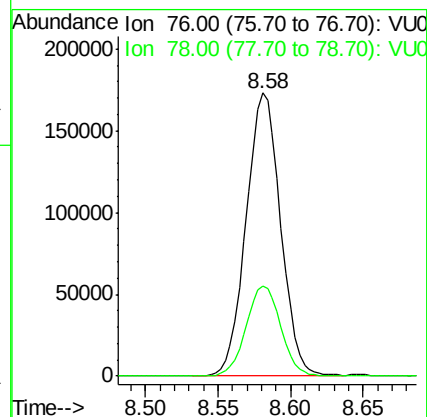
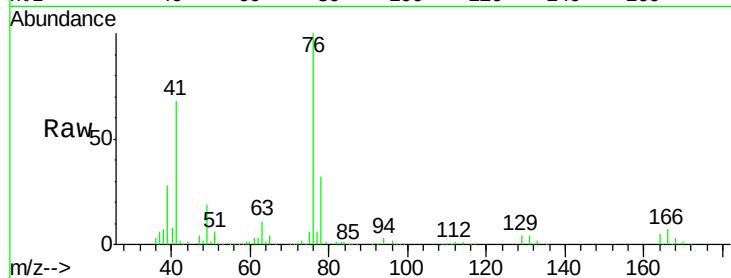
78 32.0 26.6 39.8

Manual Integrations

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#54

2-Hexanone

Concen: 53.815 ug/l

RT: 8.69 min Scan# 2287

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

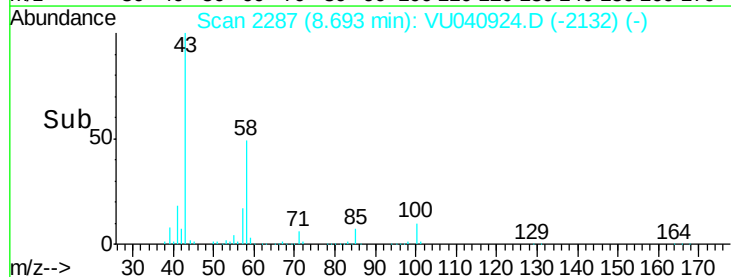
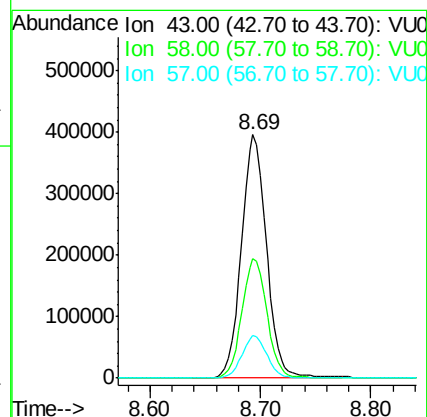
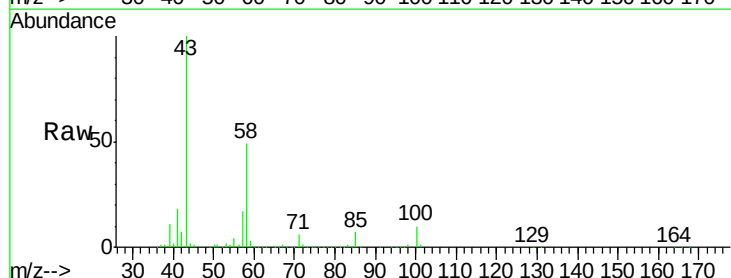
Tgt Ion: 43 Resp: 621668

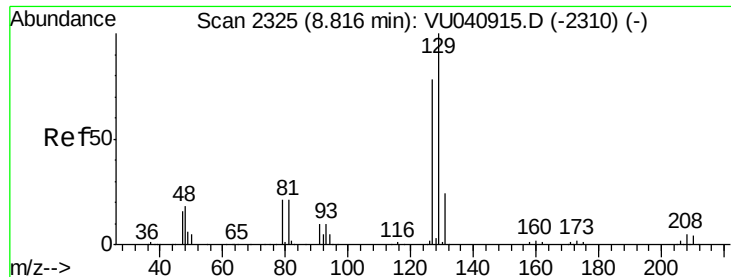
Ion Ratio Lower Upper

43 100

58 49.5 30.2 70.2

57 17.5 0.0 37.4





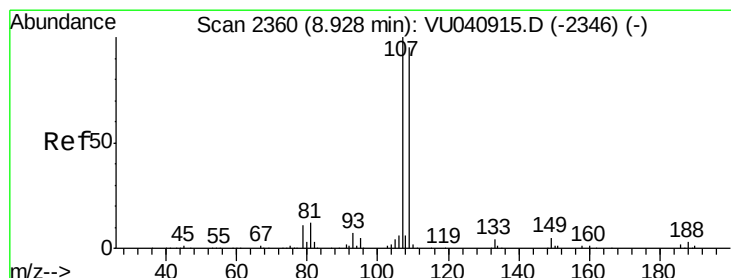
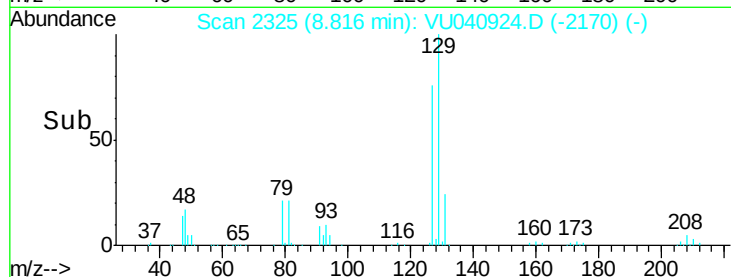
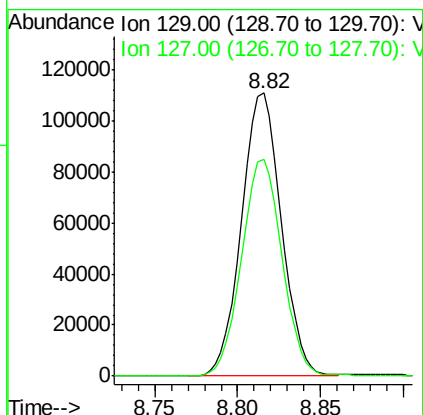
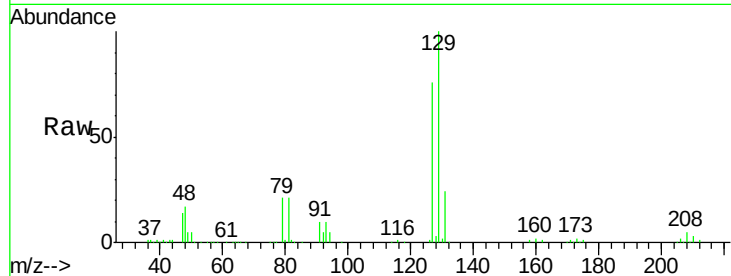
#55
 Dibromochloromethane
 Concen: 9.685 ug/l
 RT: 8.82 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.0	63.1	94.7	

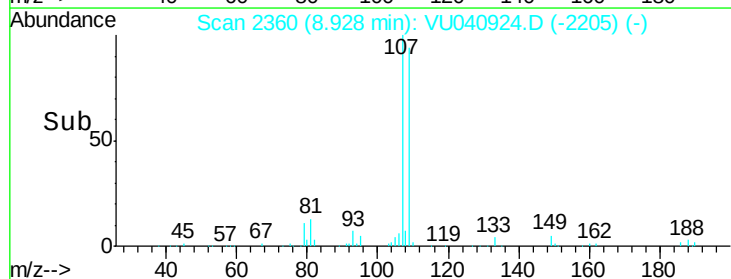
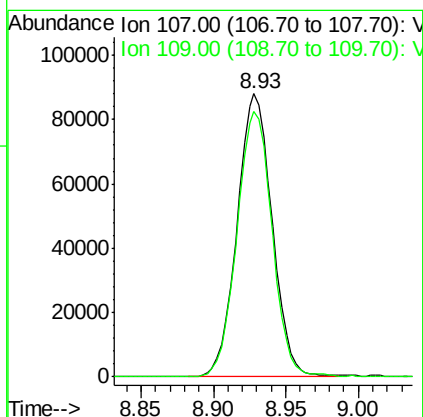
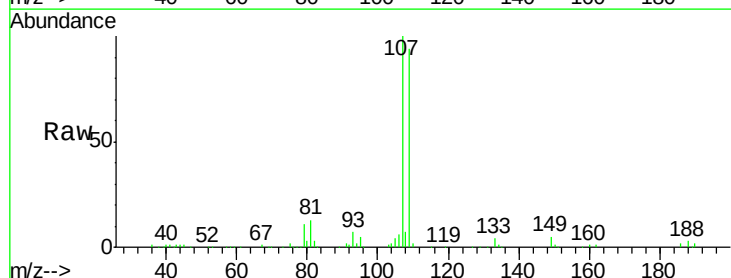
Manual Integrations
 APPROVED

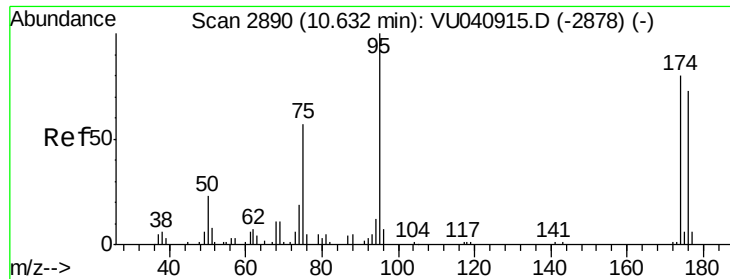
MMDadoda
 10/26/2020 4:15:55 PM



#56
 1,2-Dibromoethane
 Concen: 9.980 ug/l
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	94.4	0.0	190.4	





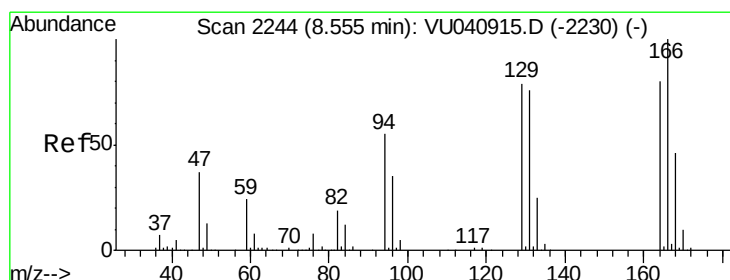
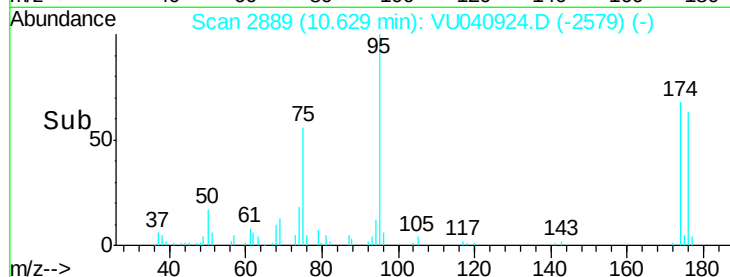
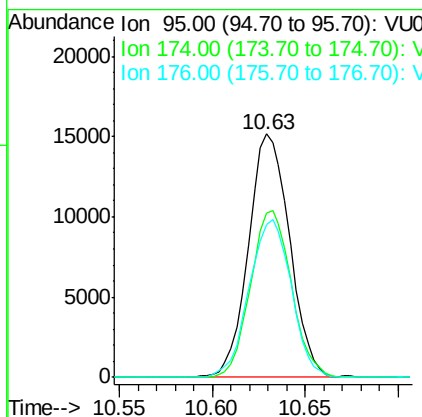
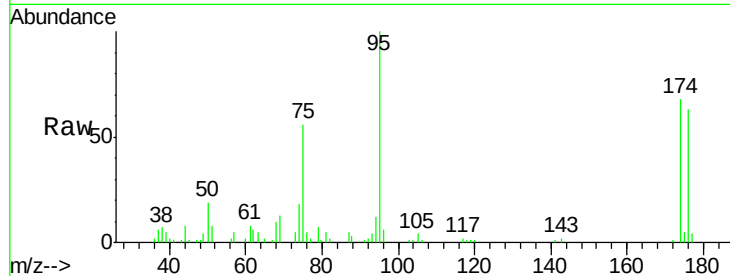
#57
4-Bromofluorobenzene
Concen: 1.034 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
95	100	23328		
174	68.1	60.3	90.5	
176	66.2	55.6	83.4	

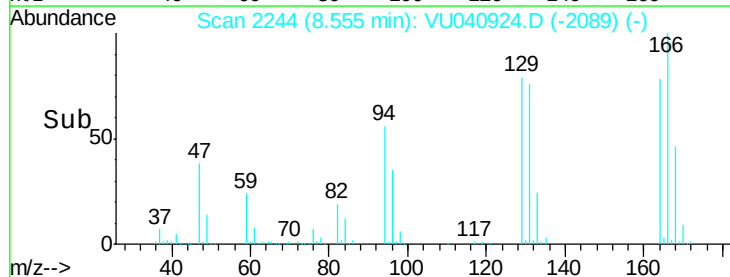
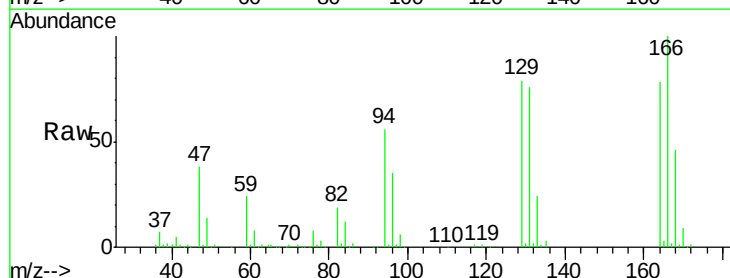
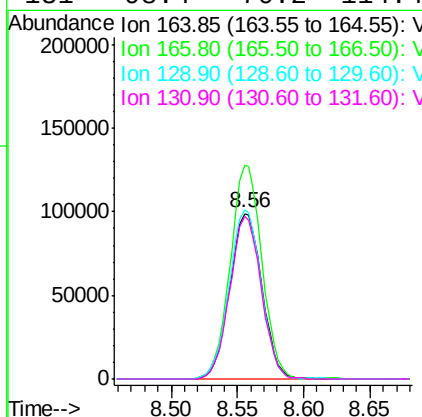
Manual Integrations
APPROVED

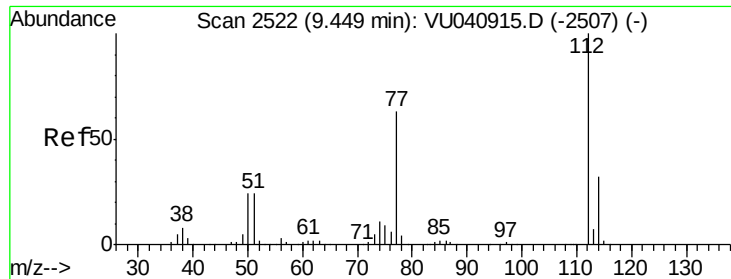
MMDadoda
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#58
Tetrachloroethene
Concen: 9.532 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166847		
166	129.0	100.3	150.5	
129	102.3	79.4	119.0	
131	98.4	76.2	114.4	





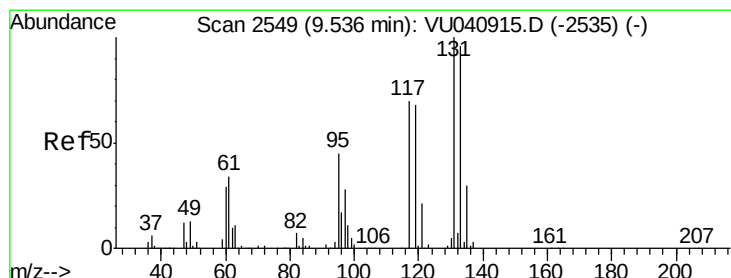
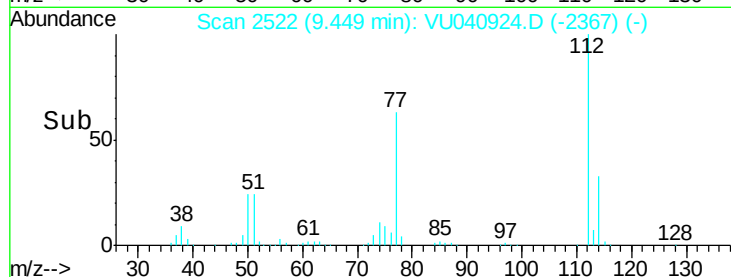
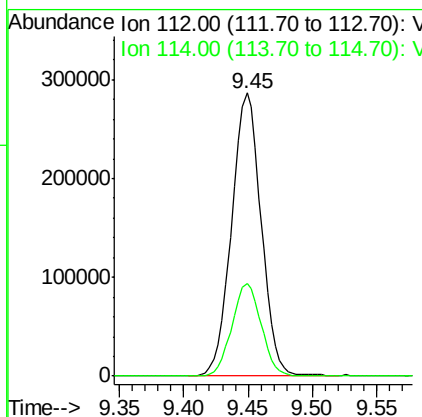
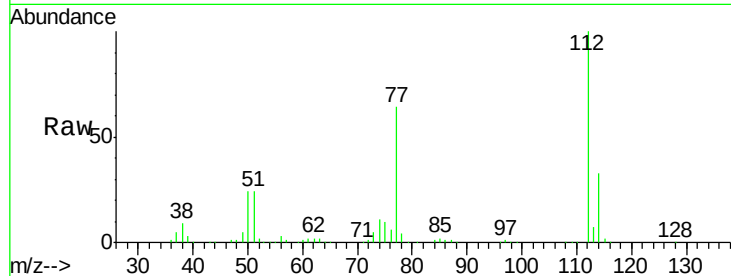
#59
Chlorobenzene
Concen: 9.913 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.8	38.8

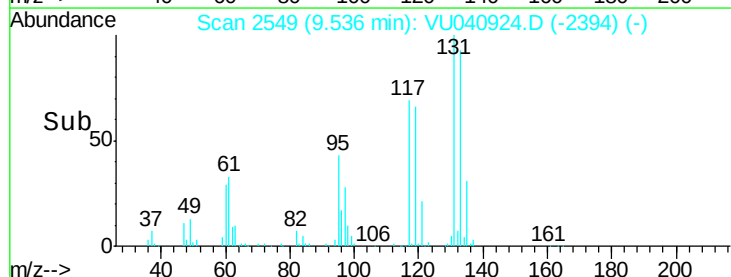
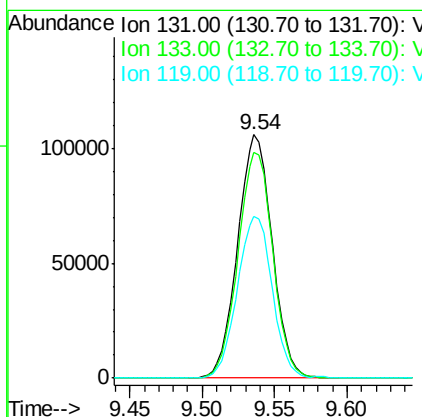
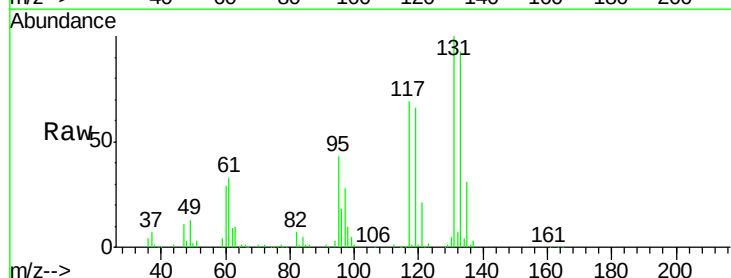
Manual Integrations
APPROVED

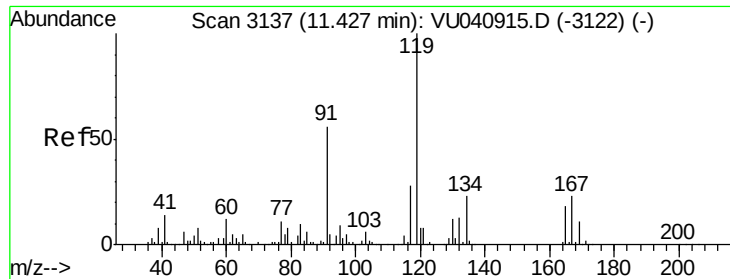
MMDadoda
10/26/2020 4:15:55 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 9.711 ug/l
RT: 9.54 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	77.4	116.0
119	66.8	53.5	80.3





#61

Pentachloroethane

Concen: 9.396 ug/l

RT: 11.42 min Scan# 3136

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 137519

Ion Ratio Lower Upper

117 100

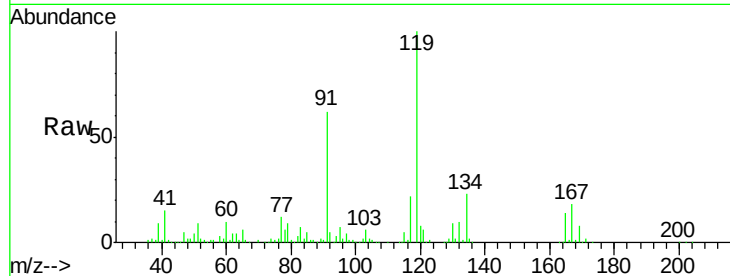
167 73.7 59.4 89.2

Manual Integrations

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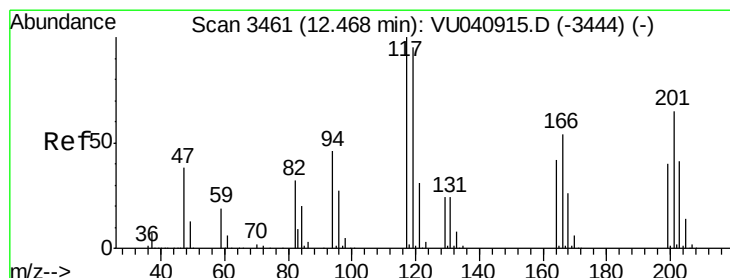
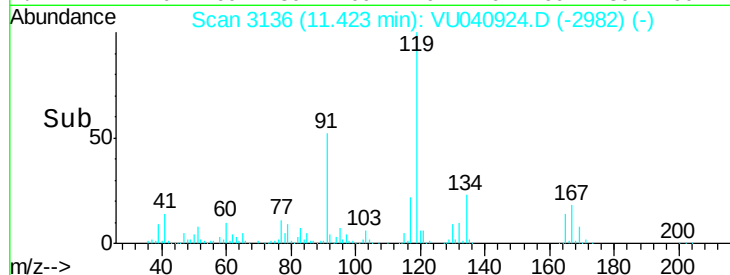
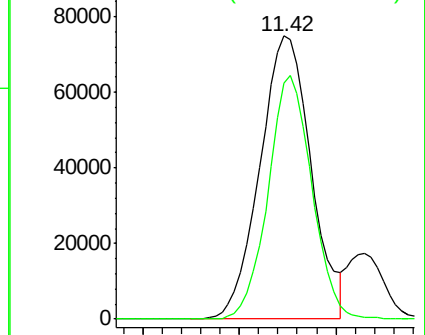
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 9.975 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. -0.00 min

Lab File: VU040924.D

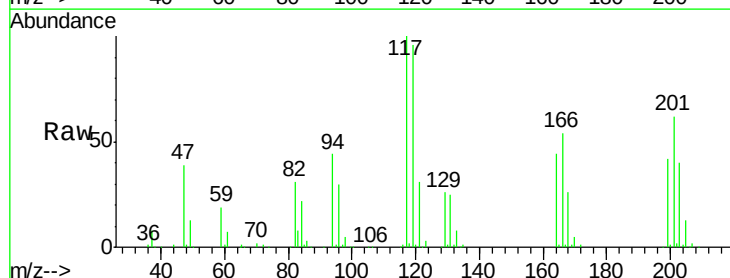
Acq: 23 Oct 2020 01:49

Tgt Ion:117 Resp: 148595

Ion Ratio Lower Upper

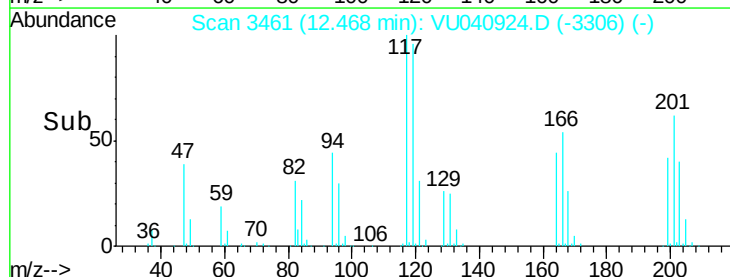
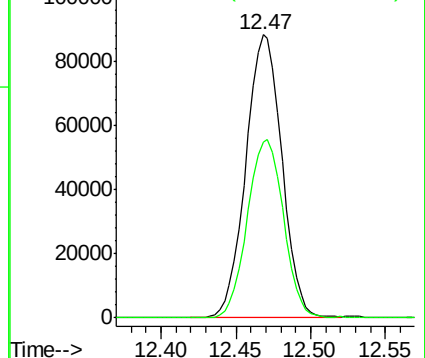
117 100

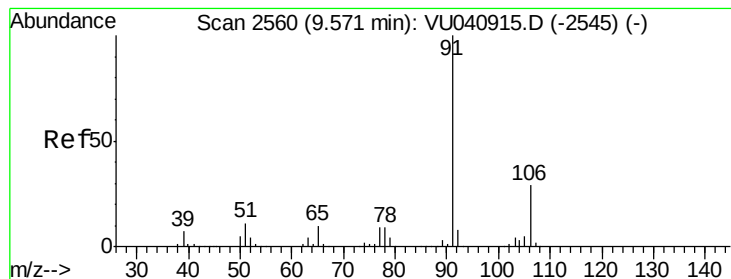
201 63.2 52.6 78.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 10.795 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 824545

Ion Ratio Lower Upper

91 100

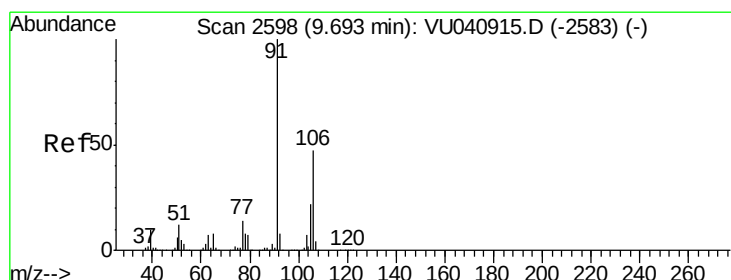
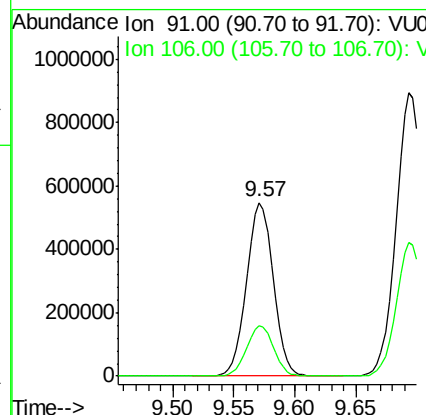
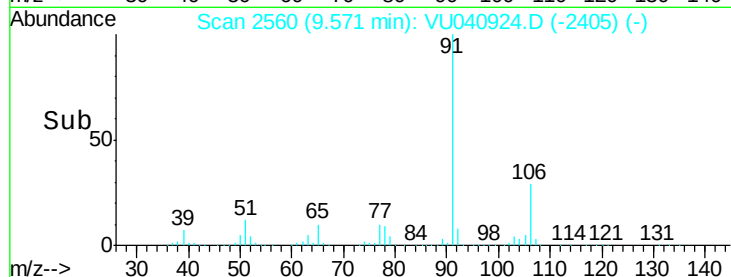
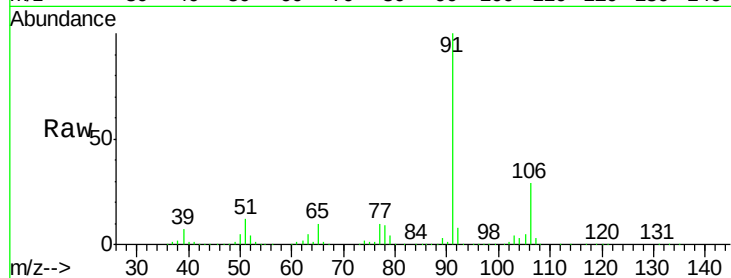
106 29.1 23.5 35.3

Manual Integrations

APPROVED

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#64

m/p-Xylenes

Concen: 19.683 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040924.D

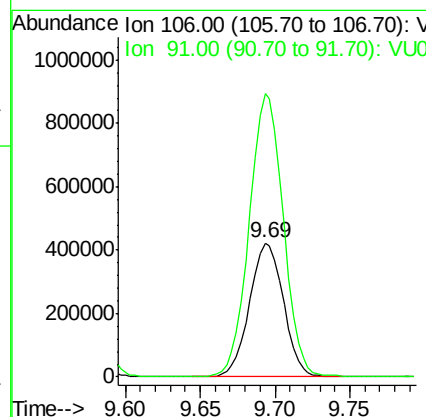
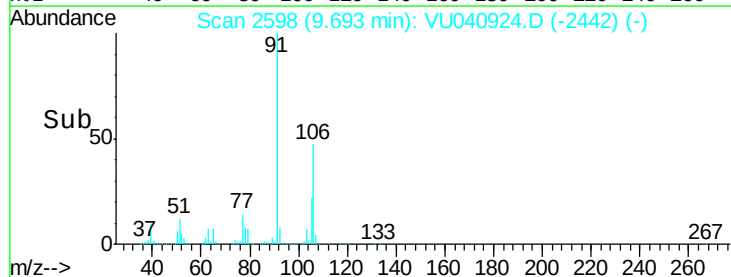
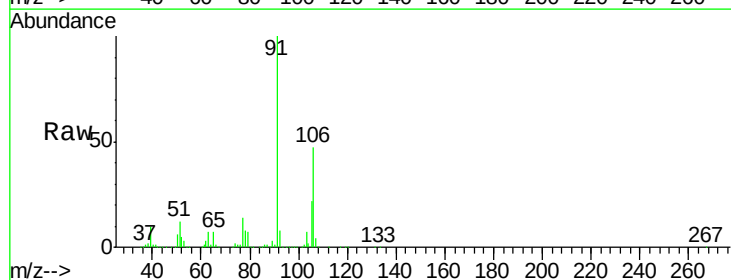
Acq: 23 Oct 2020 01:49

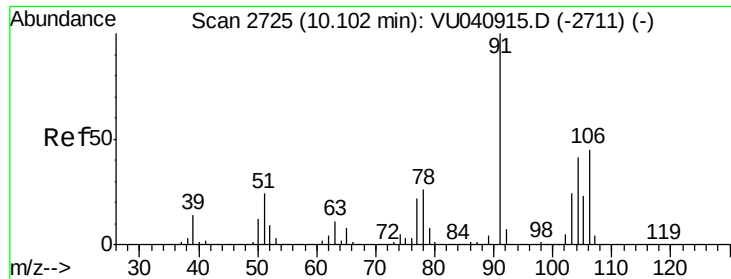
Tgt Ion: 106 Resp: 665462

Ion Ratio Lower Upper

106 100

91 212.2 168.3 252.5





#65

o-Xylene

Concen: 11.060 ug/l

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:106 Resp: 296657

Ion Ratio Lower Upper

106 100

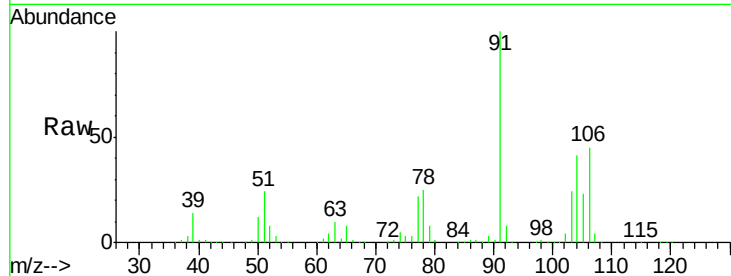
91 223.6 111.3 333.9

Manual Integrations

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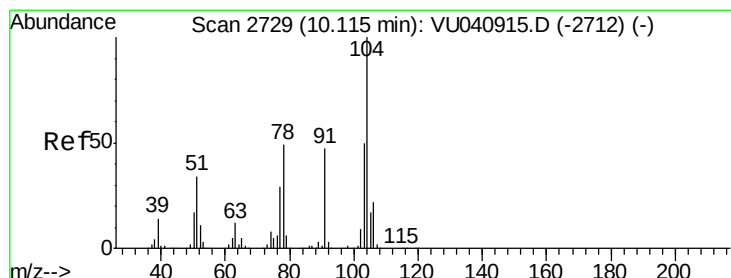
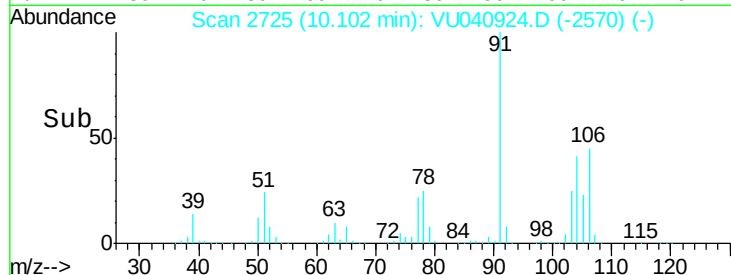
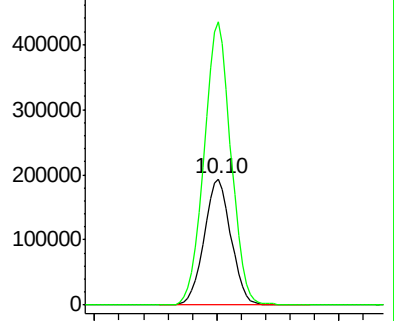
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 9.878 ug/l

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

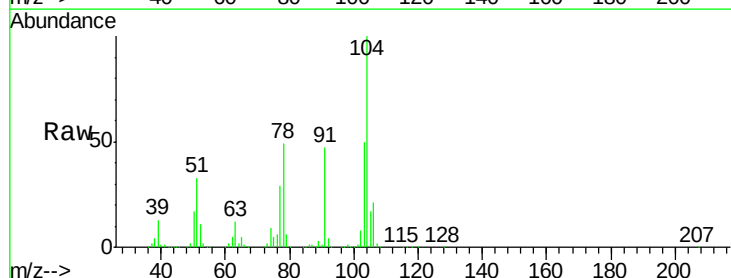
Tgt Ion:104 Resp: 551868

Ion Ratio Lower Upper

104 100

78 53.5 43.4 65.0

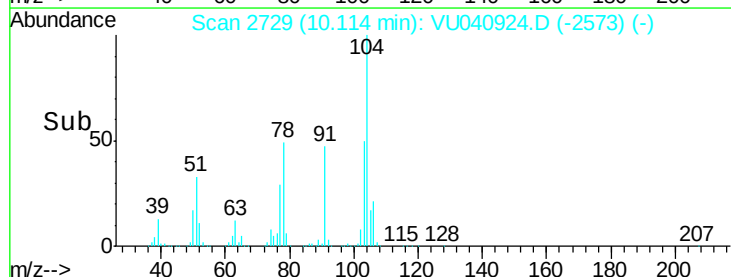
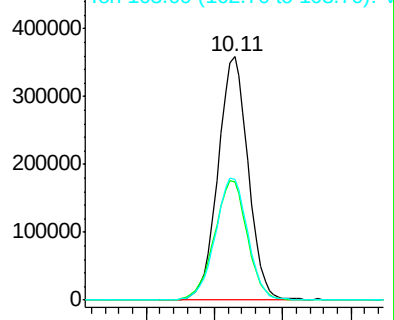
103 54.1 43.1 64.7

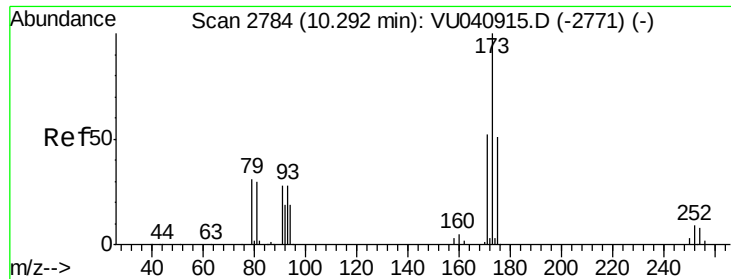


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





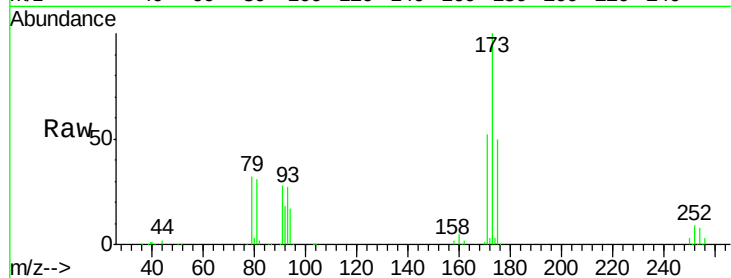
#67
Bromoform
Concen: 9.815 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.0	58.4
254	8.4	6.6	9.8

Manual Integrations
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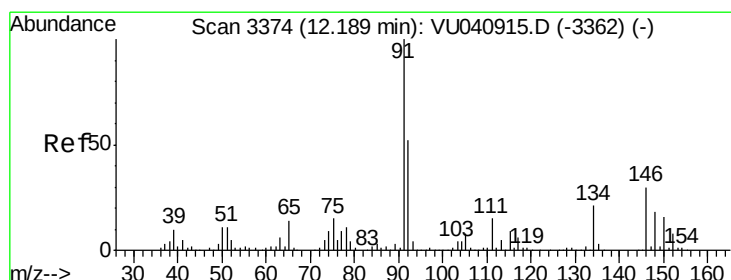
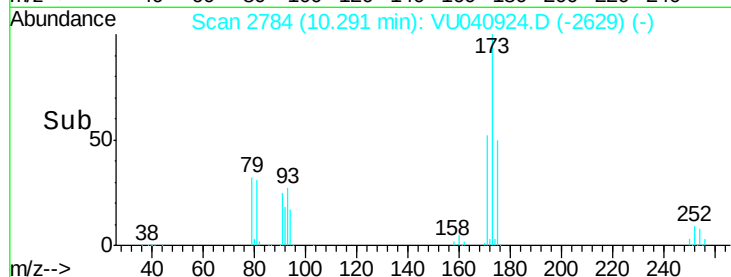
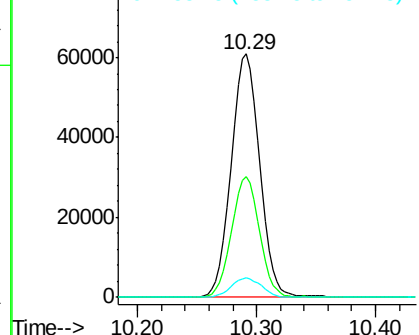


Abundance

Ion 172.90 (172.60 to 173.60): V

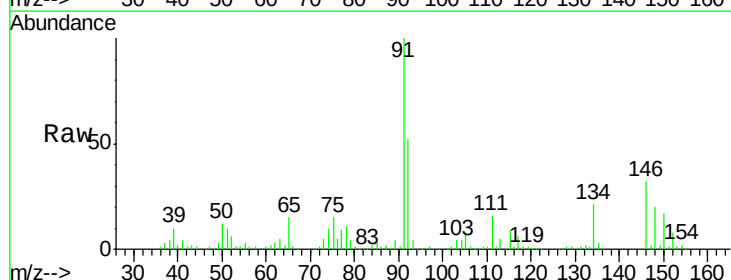
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 0.964 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	165.2	0.0	323.4
150	332.0	0.0	653.8

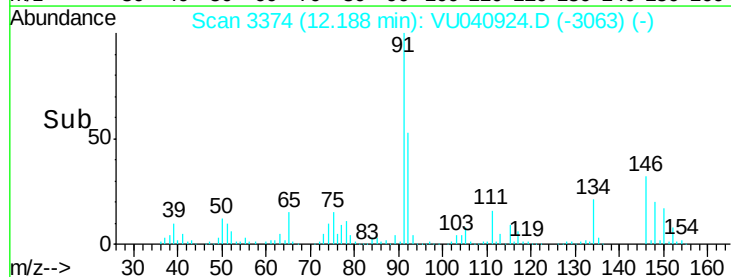
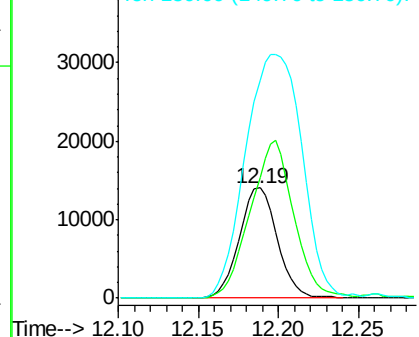


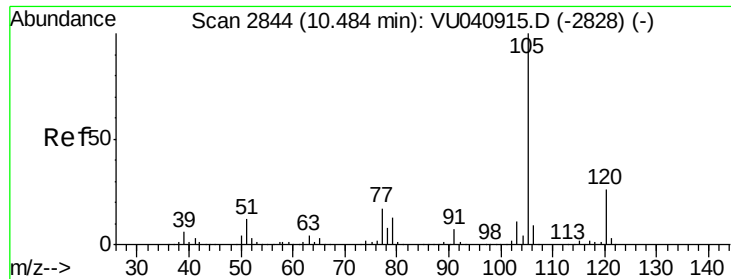
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.948 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 783136

Ion Ratio Lower Upper

105 100

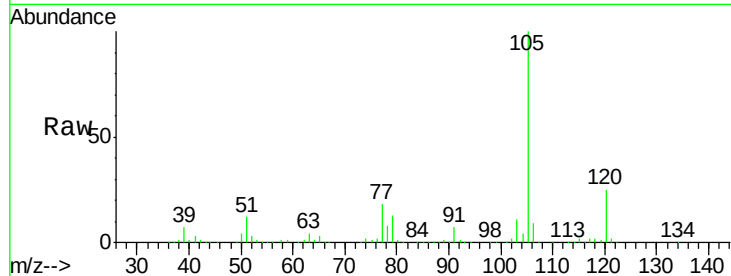
120 25.3 12.9 38.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

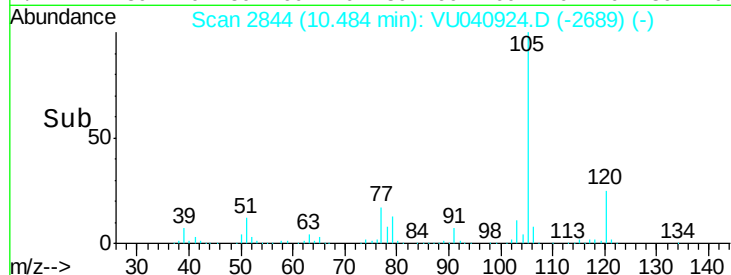
0

10.40

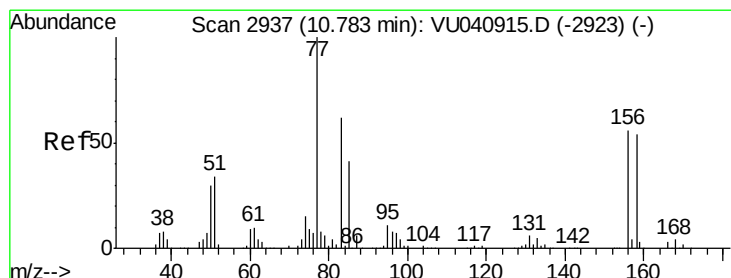
10.45

10.50

10.55



Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 9.905 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

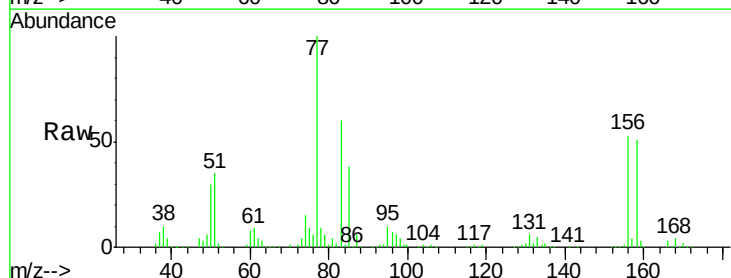
Tgt Ion: 83 Resp: 214606

Ion Ratio Lower Upper

83 100

131 9.2 7.1 10.7

85 63.0 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

150000

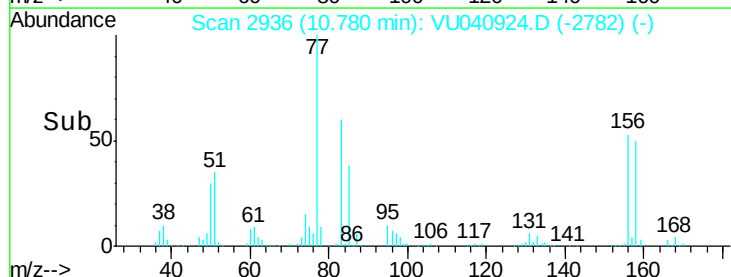
100000

50000

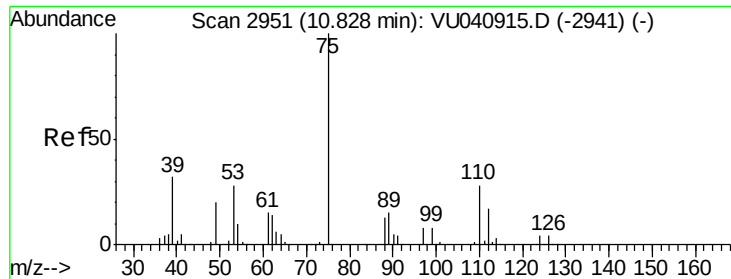
0

10.70

10.80



Time-->



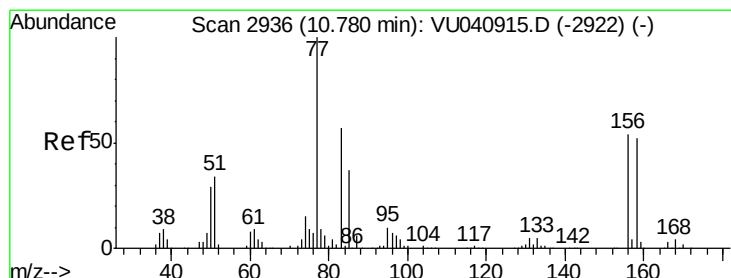
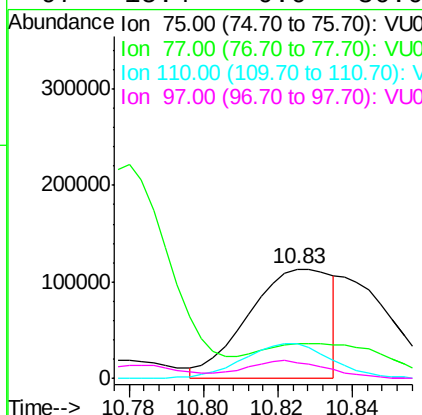
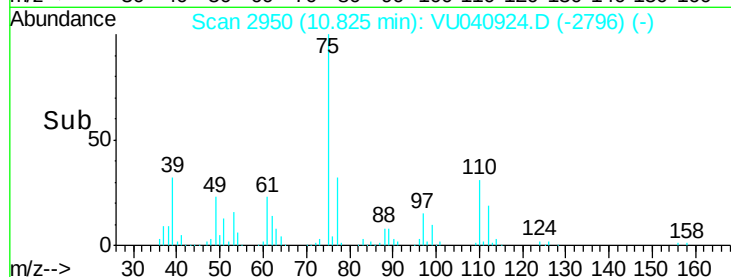
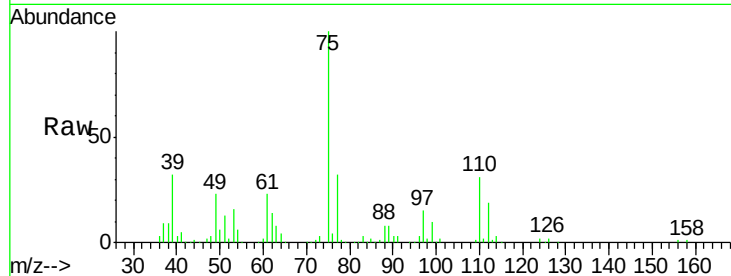
#71
1,2,3-Trichloropropane
Concen: 10.723 ug/l m
RT: 10.83 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	47.4	0.0	110.8
110	110	33.5	0.0	73.4
97	97	15.4	0.0	36.0

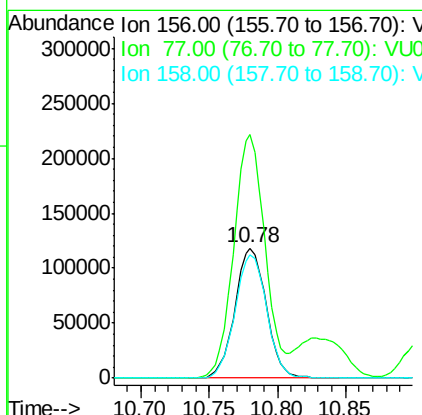
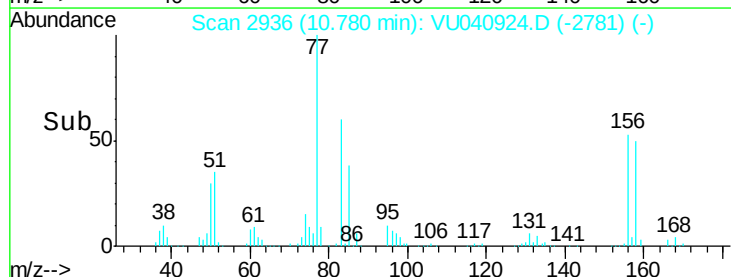
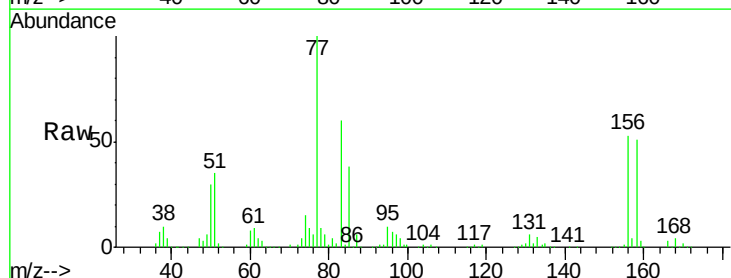
Manual Integrations
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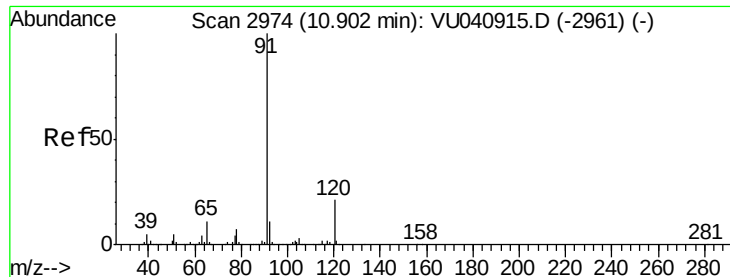
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#72
Bromobenzene
Concen: 10.098 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	187.2	0.0	370.2
158	158	96.4	0.0	193.2





#73

n-propylbenzene

Concen: 9.733 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. 0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 230892

Ion Ratio Lower Upper

120 100

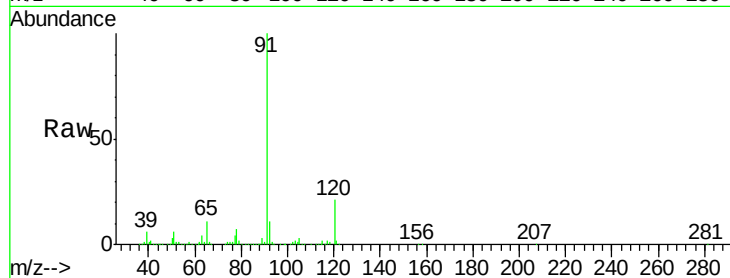
91 473.6 370.8 556.2

Manual Integrations

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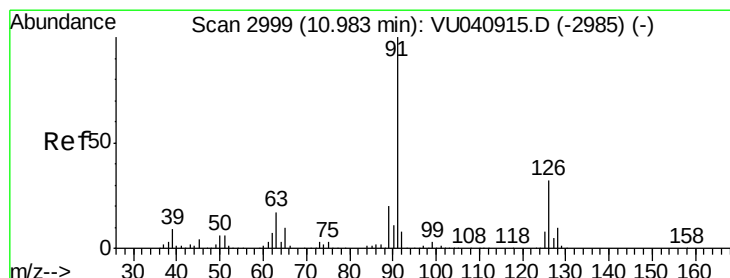
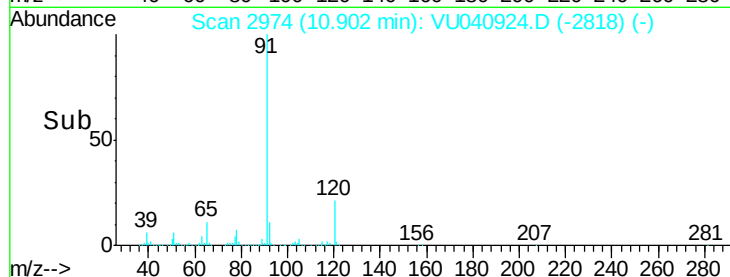
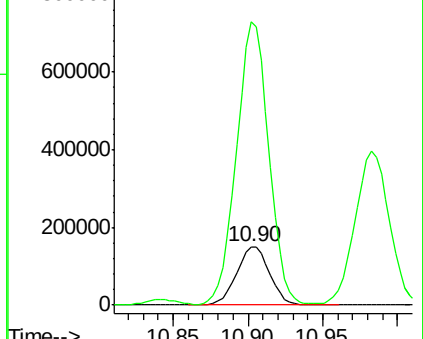
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.486 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040924.D

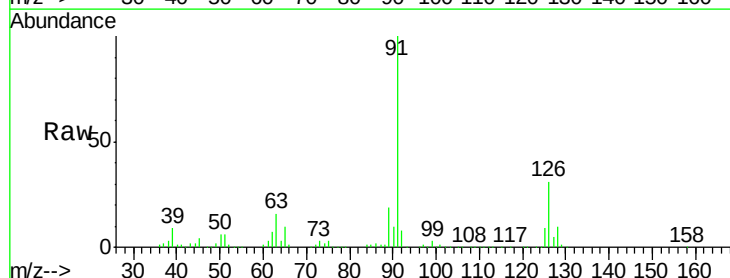
Acq: 23 Oct 2020 01:49

Tgt Ion:126 Resp: 194622

Ion Ratio Lower Upper

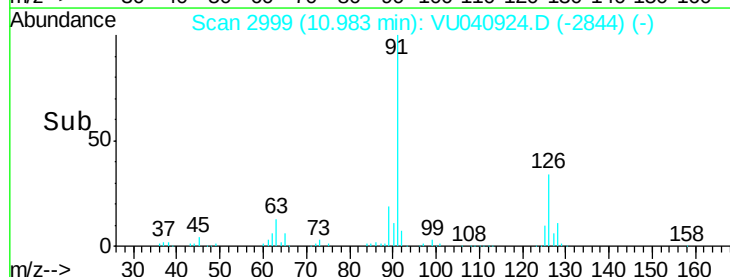
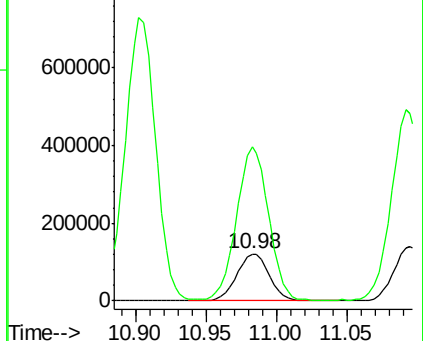
126 100

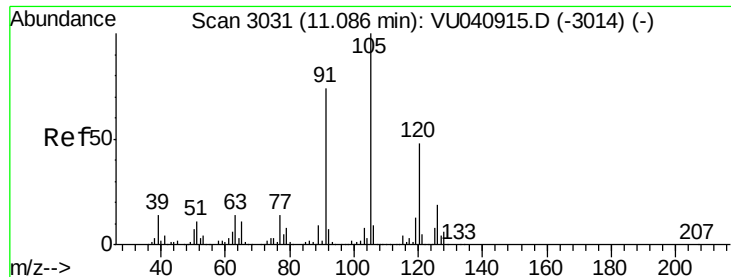
91 320.9 0.0 633.2



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: 9.606 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 714515

Ion Ratio Lower Upper

105 100

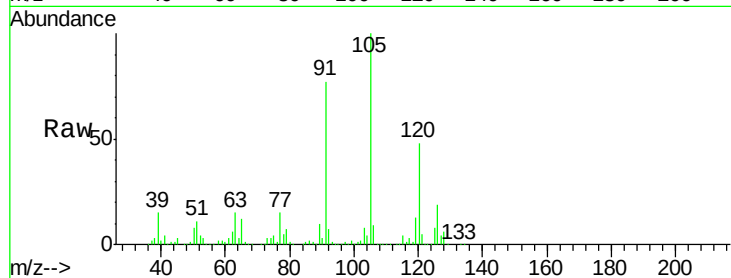
120 48.5 38.7 58.1

Manual Integrations

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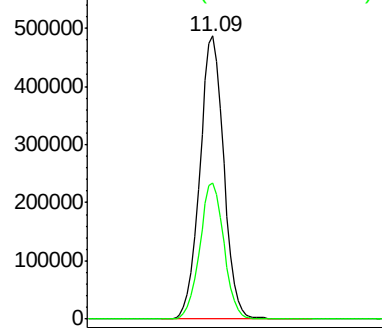
MMDadoda

10/26/2020 4:15:55 PM

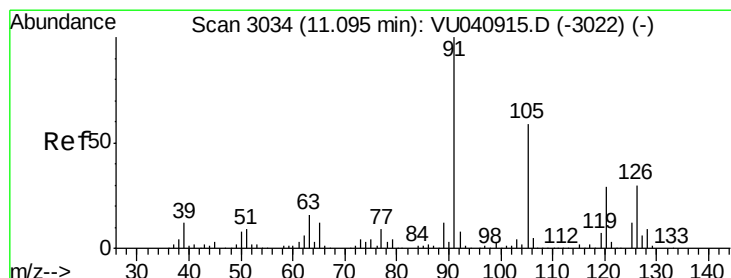
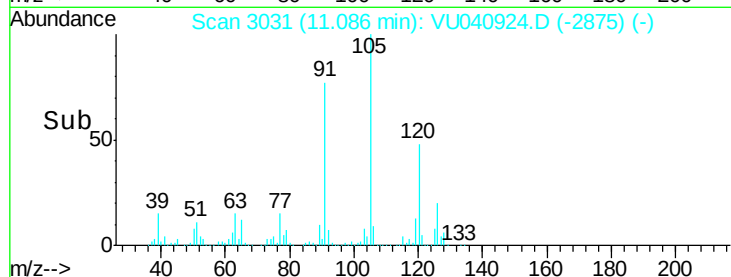


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#76

4-Chlorotoluene

Concen: 11.091 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU040924.D

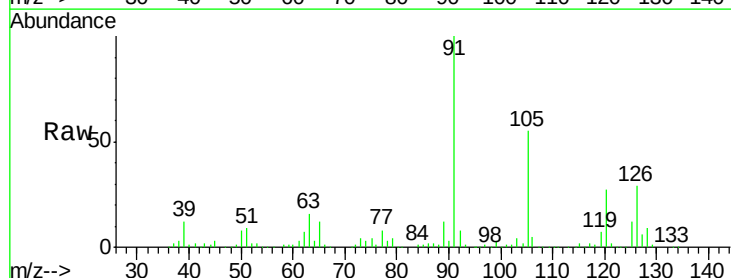
Acq: 23 Oct 2020 01:49

Tgt Ion:126 Resp: 213366

Ion Ratio Lower Upper

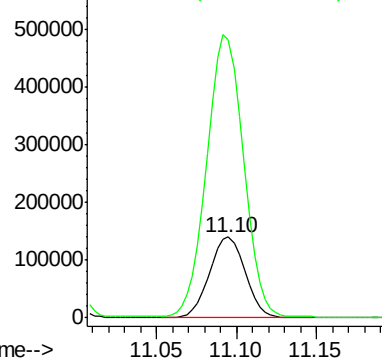
126 100

91 362.0 0.0 730.4

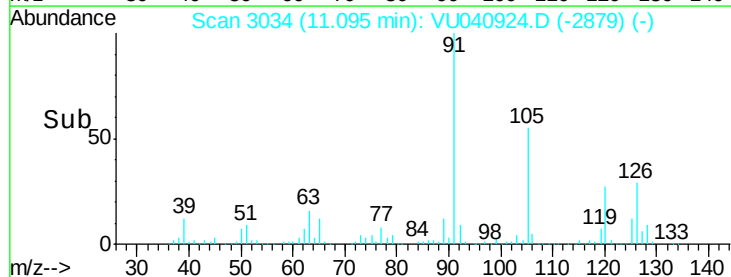


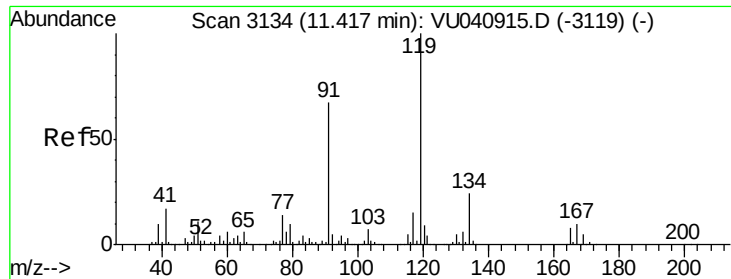
Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->





#77

tert-Butylbenzene

Concen: 10.799 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU040924.D

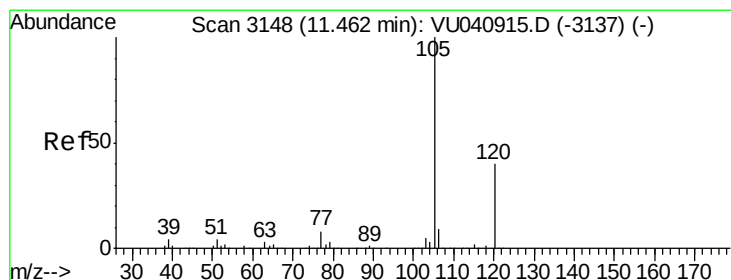
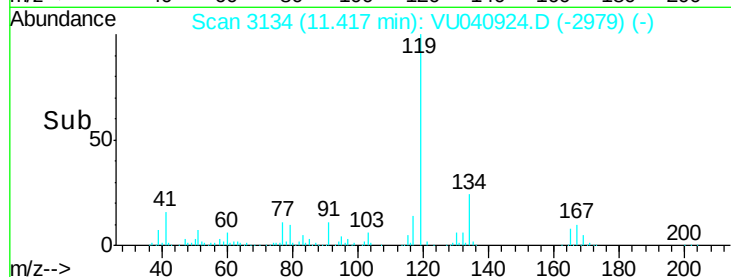
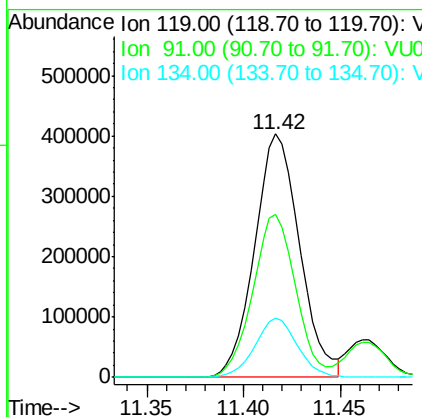
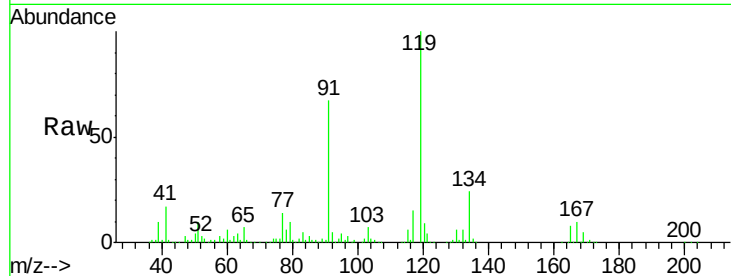
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	32.0	96.2
134	22.9	18.4	27.6

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#78

1,2,4-Trimethylbenzene

Concen: 9.753 ug/l

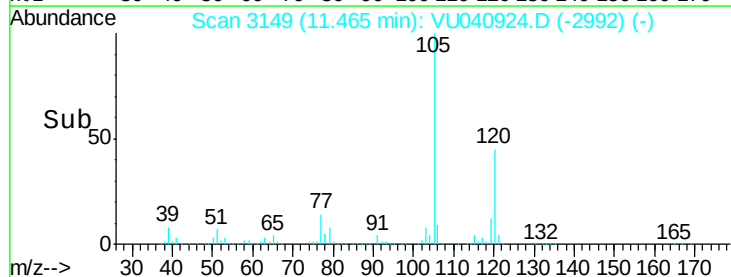
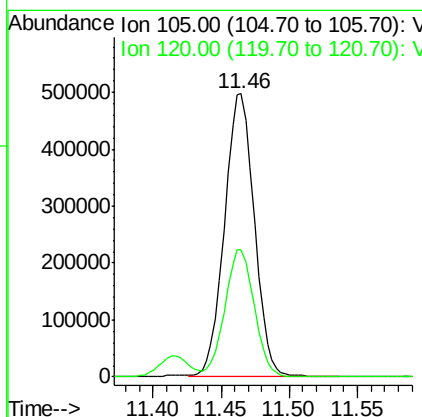
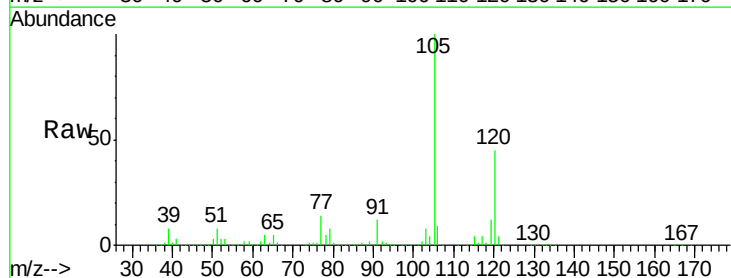
RT: 11.46 min Scan# 3149

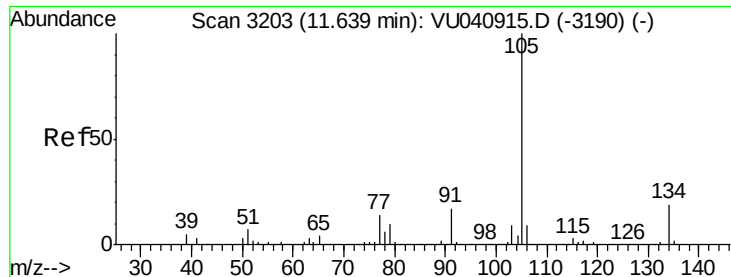
Delta R.T. 0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.6	67.8





#79

sec-Butylbenzene

Concen: 11.050 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 927565

Ion Ratio Lower Upper

105 100

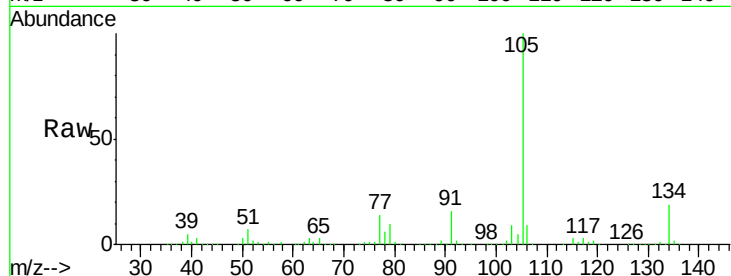
134 18.9 15.4 23.0

Manual Integrations

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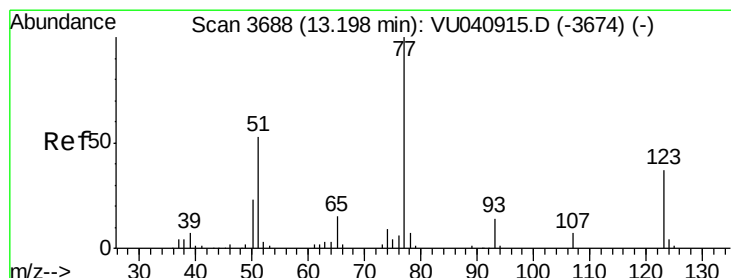
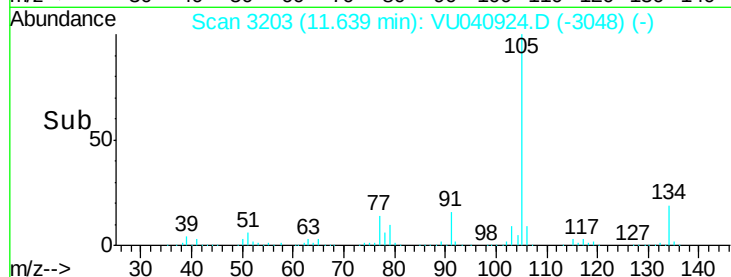
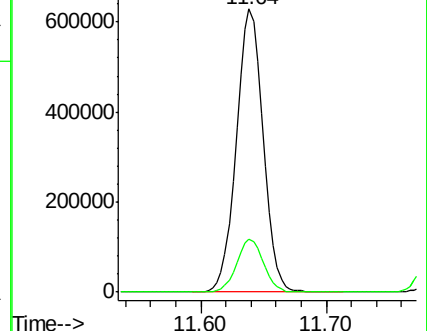
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 51.151 ug/l

RT: 13.20 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VU040924.D

Acq: 23 Oct 2020 01:49

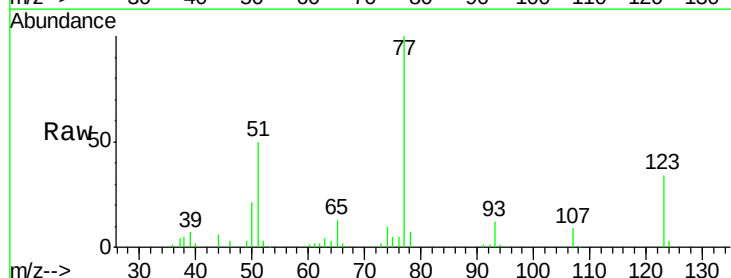
Tgt Ion: 77 Resp: 52416

Ion Ratio Lower Upper

77 100

123 35.9 16.8 59.4

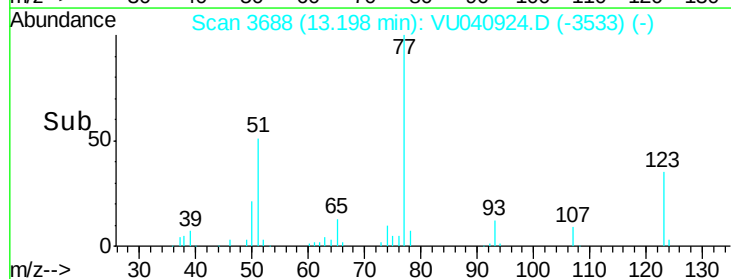
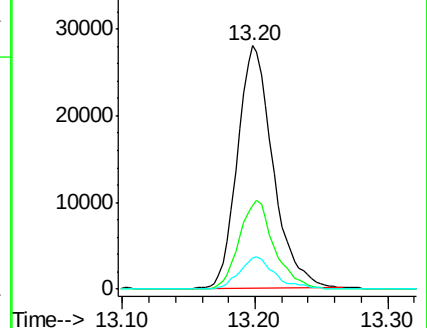
65 13.3 11.0 14.0

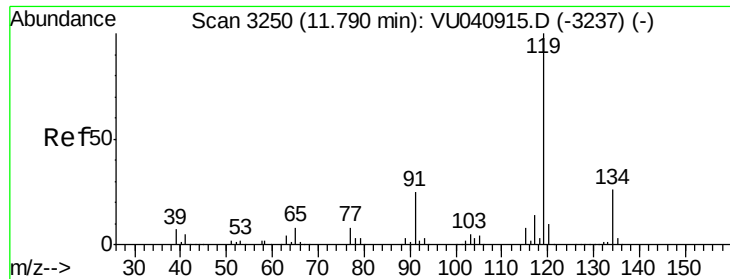


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





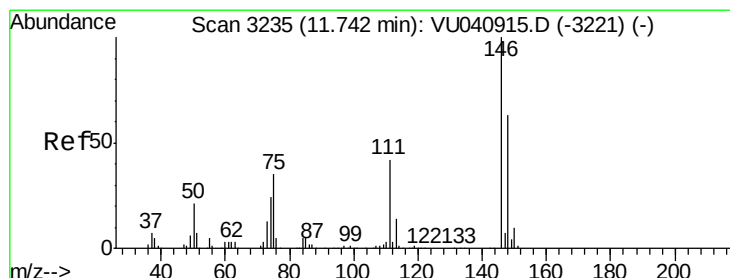
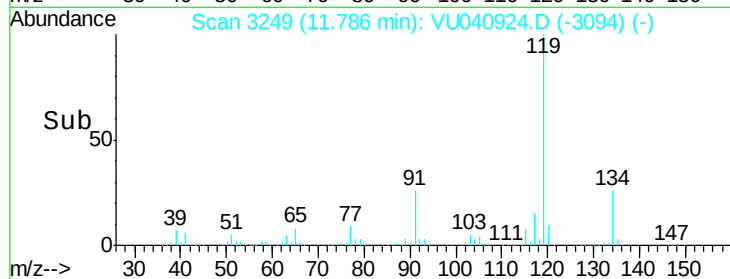
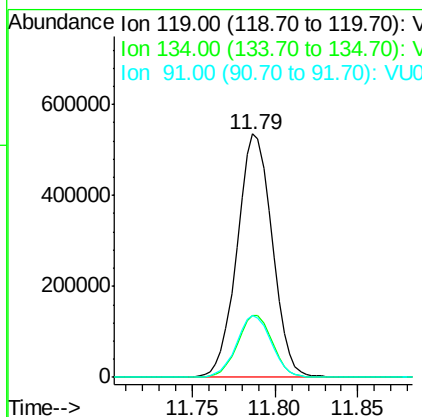
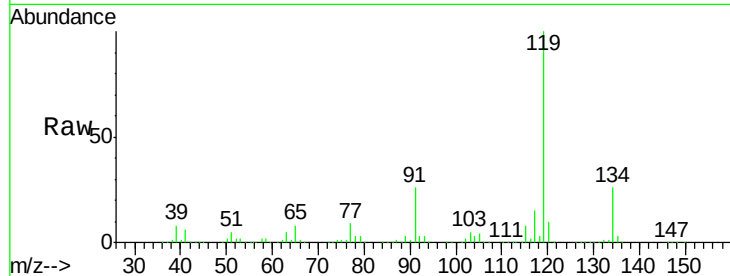
#81
 p-Isopropyltoluene
 Concen: 9.609 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	25.5	20.4	30.6

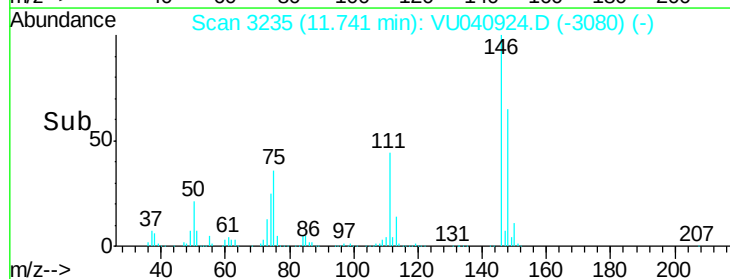
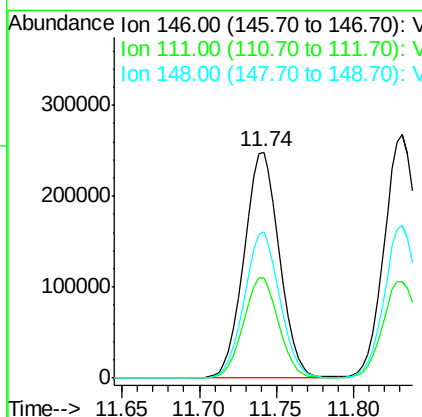
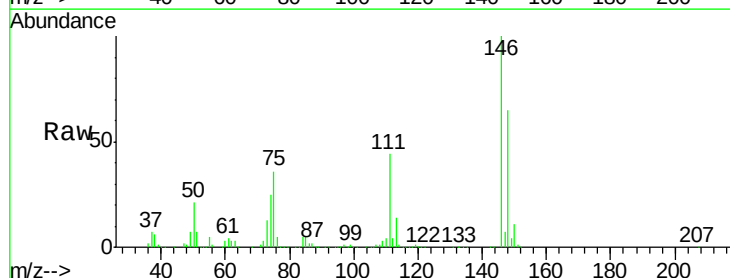
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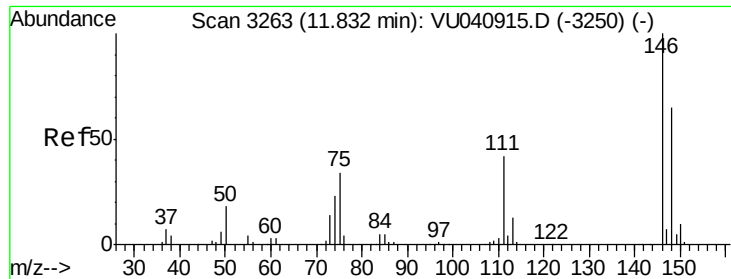
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#82
 1,3-Dichlorobenzene
 Concen: 9.732 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	33.6	50.4
148	64.8	50.1	75.1





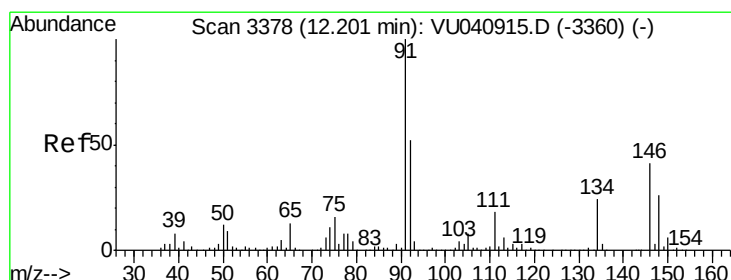
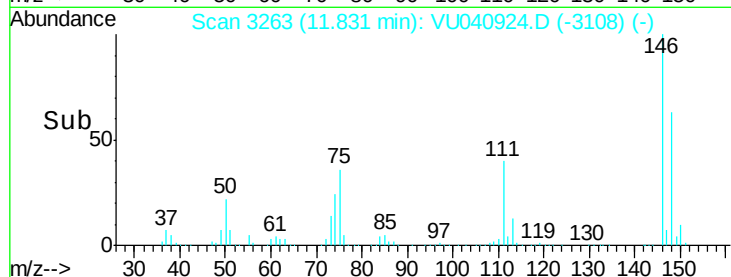
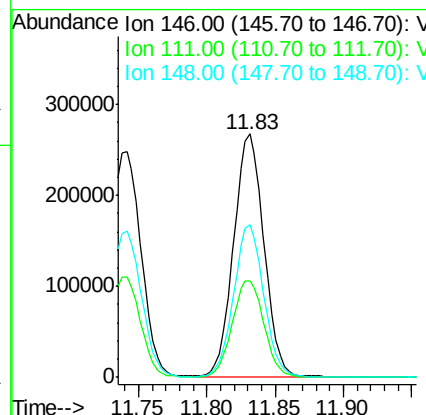
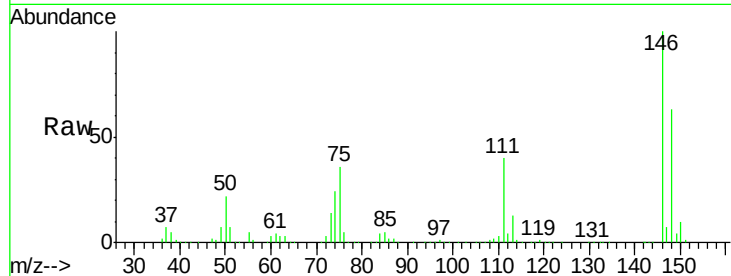
#83
 1,4-Dichlorobenzene
 Concen: 10.003 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	33.7	50.5
148	62.3	50.6	75.8

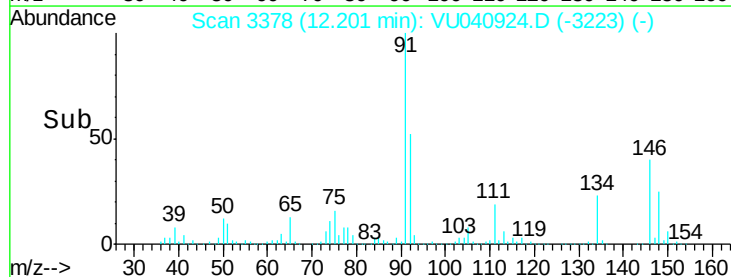
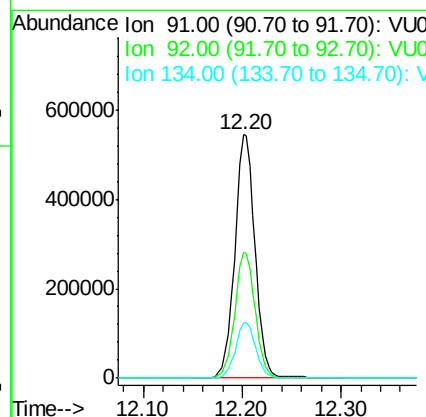
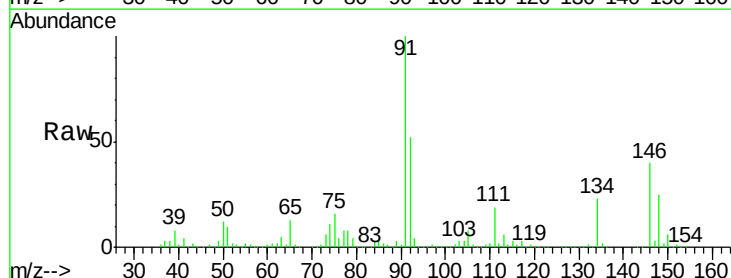
Manual Integrations
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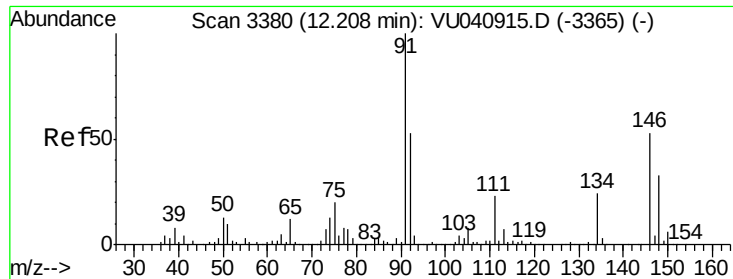
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#84
 n-Butylbenzene
 Concen: 11.097 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	41.7	62.5
134	23.0	18.6	28.0





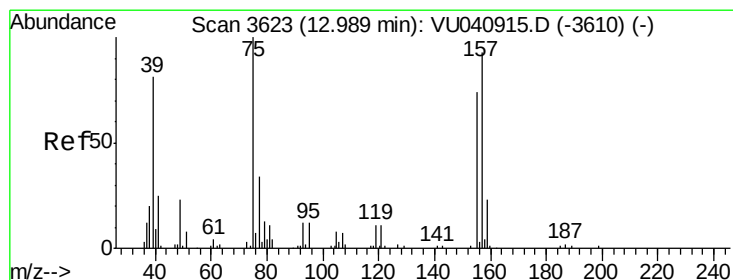
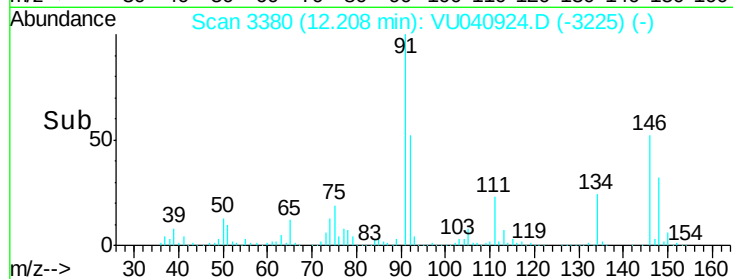
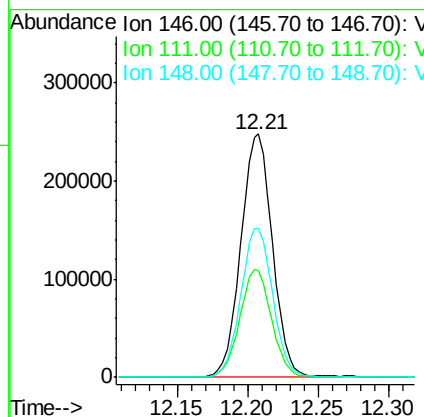
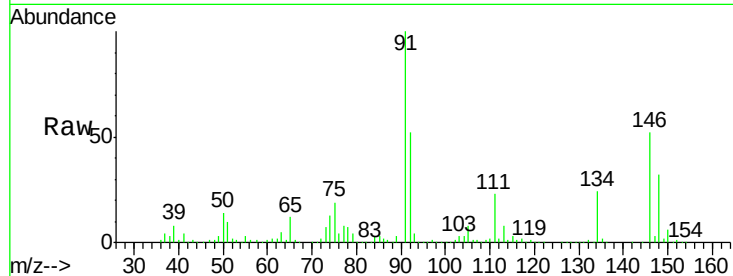
#85
 1,2-Dichlorobenzene
 Concen: 10.029 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.3	66.9
148	61.9	31.5	94.5

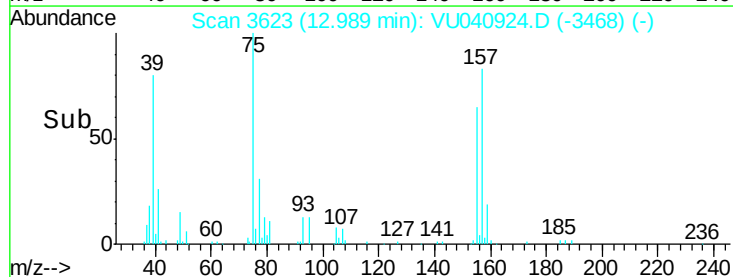
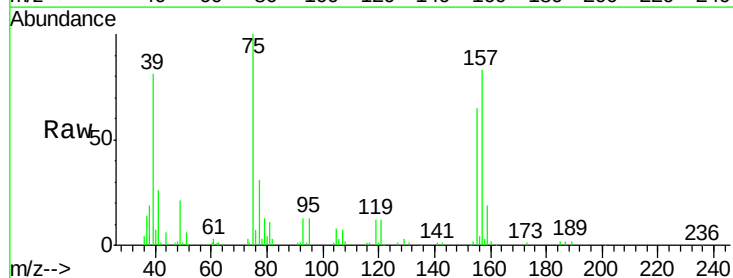
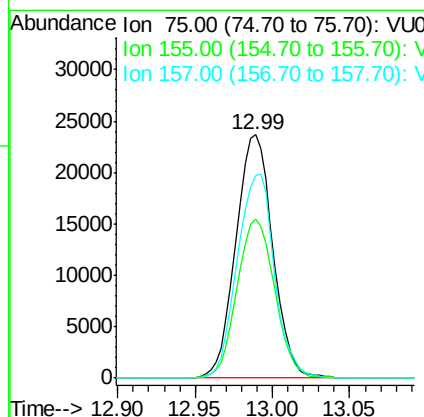
Manual Integrations
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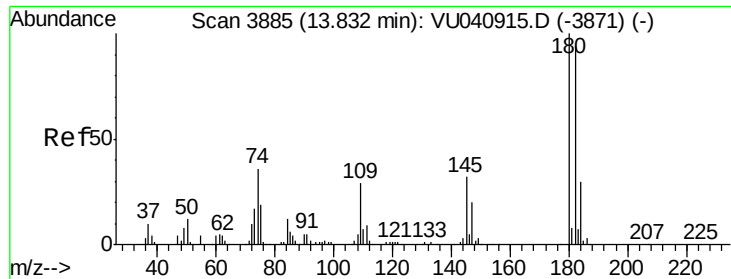
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.701 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.6	57.1	85.7
157	84.5	72.4	108.6





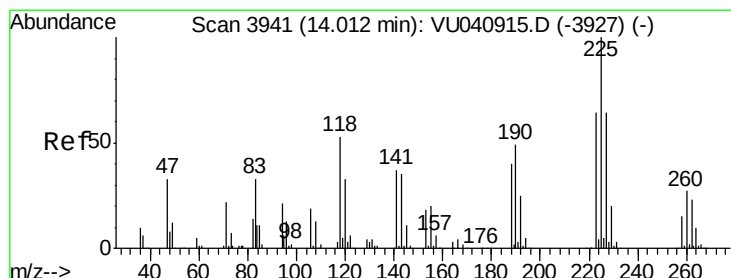
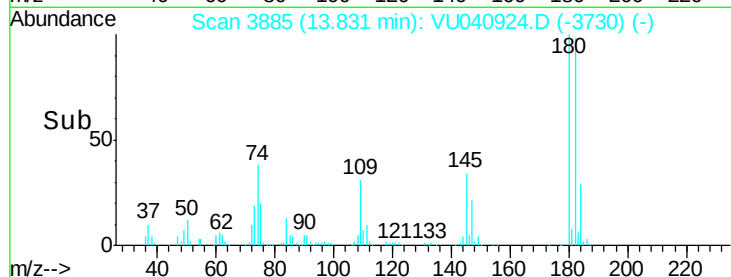
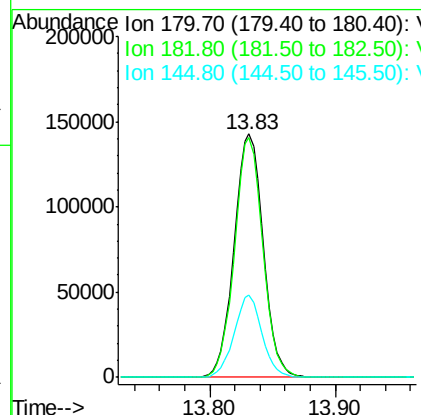
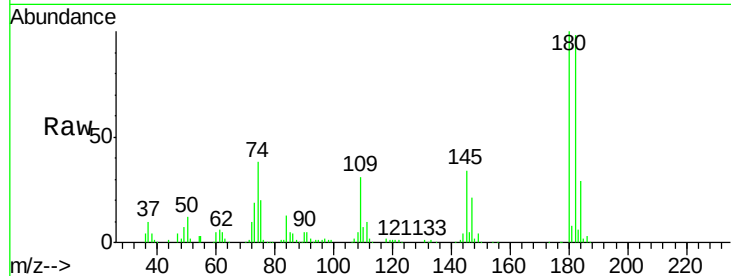
#87
 1,2,4-Trichlorobenzene
 Concen: 10.054 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	180	Resp:	229334
Ion Ratio	Lower	Upper	
180	100		
182	95.9	75.4	113.2
145	32.2	25.4	38.0

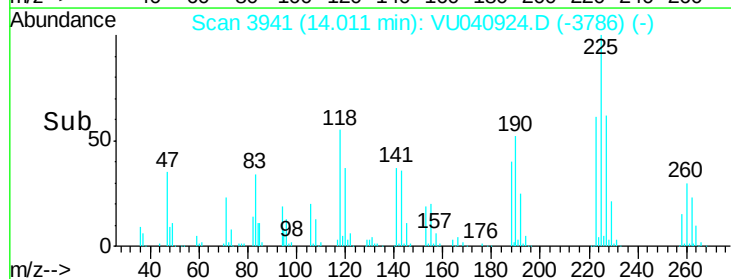
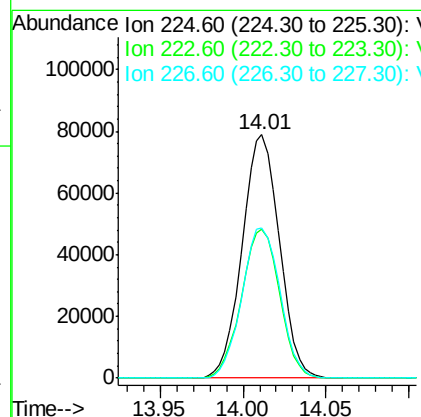
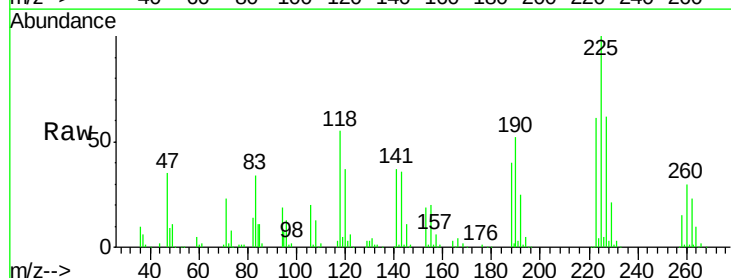
Manual Integrations
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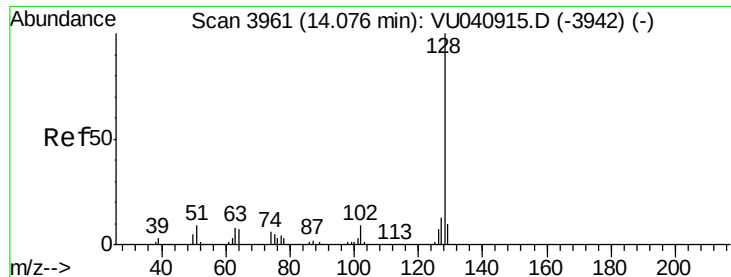
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#88
 Hexachlorobutadiene
 Concen: 9.629 ug/l
 RT: 14.01 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VU040924.D
 Acq: 23 Oct 2020 01:49

Tgt Ion:	225	Resp:	123318
Ion Ratio	Lower	Upper	
225	100		
223	62.6	49.9	74.9
227	63.3	51.1	76.7





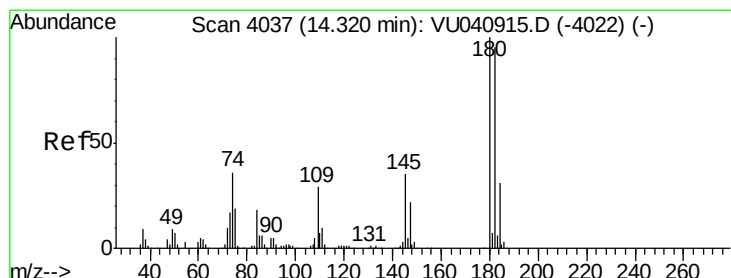
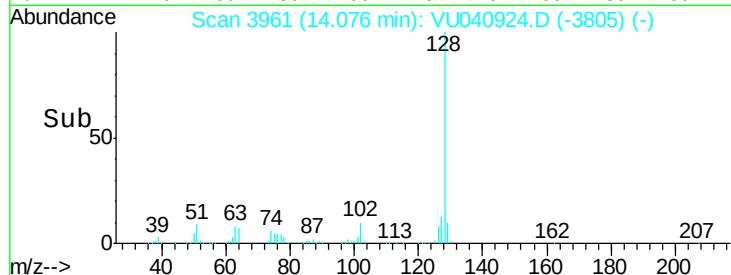
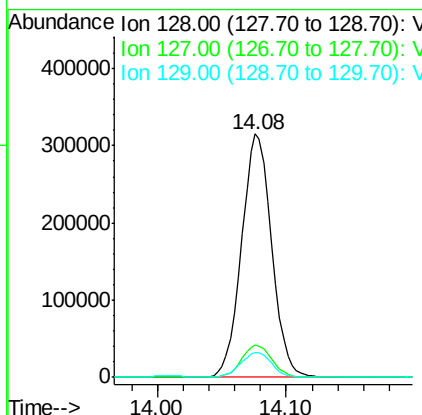
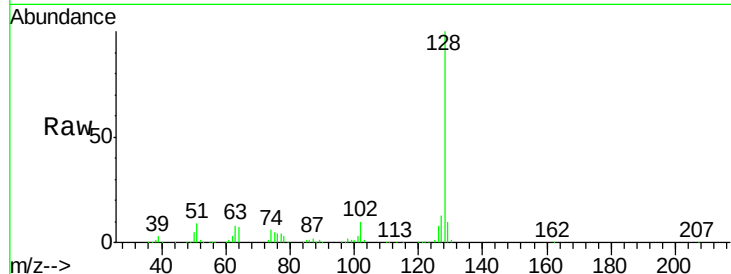
#89
Naphthalene
Concen: 8.983 ug/l
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.6	8.6	13.0

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 10.934 ug/l
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040924.D
Acq: 23 Oct 2020 01:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.0	114.0
145	34.6	28.0	42.0

