

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090920\
 Data File : VU040063.D
 Acq On : 09 Sep 2020 12:59
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Quant Time: Sep 10 04:06:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 03:43:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	30025	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	11916	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	11720	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	165621	16.395	98
3) Chloromethane	1.53	50	173140	14.011	98
4) Vinyl Chloride	1.61	62	172588	15.082	98
5) Bromomethane	1.86	94	103593	13.144	98
6) Chloroethane	1.94	64	106733	13.527	97
7) Trichlorofluoromethane	2.15	101	259123	16.785	99
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	146198	16.494	98
9) 1,1-Dichloroethene	2.59	96	122355	15.194	98
10) Iodomethane	2.74	142	159150	19.851	100
11) Allyl Chloride	2.93	41	242414	14.116	99
12) Acrylonitrile	3.33	53	85576	30.221	99
13) Acetone	2.63	43	191264	71.693	95
14) Carbon Disulfide	2.81	76	341233	11.931	99
15) Methylene Chloride	3.06	84	151361	13.375	99
16) trans-1,2-Dichloroethene	3.37	96	135045	14.768	97
17) 1,1-Dichloroethane	3.89	63	287141	14.407	99
18) 2-Butanone	4.73	43	298933	67.731	99
19) Cyclohexane	5.40	56	239826m	12.596	99
20) Methylcyclohexane	6.77	83	255501	17.724	99
21) 2,2-Dichloropropane	4.68	77	256362	15.473	100
22) cis-1,2-Dichloroethene	4.68	96	154247	15.555	99
23) Diethyl Ether	2.39	59	120743	14.790	97
24) tert-Butyl Alcohol	3.20	59	153405	103.415	97
25) Methyl tert-Butyl Ether	3.38	73	423521	16.085	100
26) Bromochloromethane	4.99	128	68293	16.668	97
27) Chloroform	5.11	83	291827	15.432	99
28) 1,1,1-Trichloroethane	5.33	97	254462	16.443	99
29) 1,1-Dichloropropene	5.54	75	223900	15.262	99
30) Carbon Tetrachloride	5.53	117	238692	18.563	98
31) Isopropyl Ether	4.02	45	511046	14.116	98
32) Ethyl-t-butyl ether	4.53	59	469029	15.081	98
33) Tert-Amyl methyl ether	5.96	73	443707	19.250	99
34) Propionitrile	4.80	54	75554	69.227	98
35) Benzene	5.79	78	628069	16.997	99
36) 1,2-Dichloroethane	5.81	62	237026	17.059	99
37) Trichloroethene	6.55	130	160792	18.813	96
38) 1,2-Dichloropropane	6.80	63	179987	17.713	98
39) Methacrylonitrile	5.00	41	75552	13.032	99
40) Methyl acrylate	4.87	55	104168	14.054	99
41) Tetrahydrofuran	5.08	42	72902	25.227	97
42) 1-Chlorobutane	5.47	56	328910	14.378	98

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 ALS Vial : 7 Sample Multiplier: 1

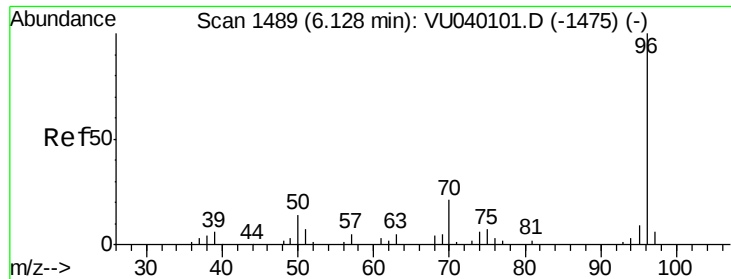
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Quant Time: Sep 10 04:06:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 03:43:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	101241	18.251	ug/l	98
44) Bromodichloromethane	7.12	83	249753	19.671	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	784956	95.002	ug/l	99
46) t-1,4-Dichloro-2-butene	10.84	75	135976m	51.911	ug/l	
47) Methyl methacrylate	6.98	69	201289	39.486	ug/l	99
48) Ethyl methacrylate	8.34	69	191724	20.437	ug/l	99
49) Toluene	7.98	92	404267	18.510	ug/l	97
50) t-1,3-Dichloropropene	8.22	75	247308	21.631	ug/l	99
51) cis-1,3-Dichloropropene	7.62	75	268481	20.062	ug/l	99
52) 1,1,2-Trichloroethane	8.41	97	136311	18.962	ug/l	99
53) 1,3-Dichloropropane	8.58	76	243015	17.758	ug/l	99
54) 2-Hexanone	8.69	43	570905	96.449	ug/l	100
55) Dibromochloromethane	8.82	129	166470	21.397	ug/l	99
56) 1,2-Dibromoethane	8.93	107	129657	18.898	ug/l	96
58) Tetrachloroethene	8.56	164	153187	20.105	ug/l	99
59) Chlorobenzene	9.45	112	441830	19.345	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.54	131	162026	20.742	ug/l	99
61) Pentachloroethane	11.42	117	110047	16.838	ug/l	98
62) Hexachloroethane	12.47	117	147816	23.455	ug/l	99
63) Ethyl Benzene	9.57	91	817869	20.137	ug/l	99
64) m/p-Xylenes	9.69	106	603890	38.240	ug/l	99
65) o-Xylene	10.10	106	288281	19.179	ug/l	98
66) Styrene	10.11	104	525111	20.301	ug/l	99
67) Bromoform	10.29	173	91349	23.030	ug/l	99
69) Isopropylbenzene	10.48	105	810689	20.119	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	189224	18.563	ug/l	97
71) 1,2,3-Trichloropropane	10.83	75	141955m	18.758	ug/l	
72) Bromobenzene	10.78	156	177619	19.338	ug/l	98
73) n-propylbenzene	10.90	120	222260	19.656	ug/l	99
74) 2-Chlorotoluene	10.98	126	187230	19.482	ug/l	99
75) 1,3,5-Trimethylbenzene	11.09	105	717111	20.559	ug/l	99
76) 4-Chlorotoluene	11.10	126	197952	19.840	ug/l	97
77) tert-Butylbenzene	11.42	119	666085	20.034	ug/l	100
78) 1,2,4-Trimethylbenzene	11.46	105	744640	20.854	ug/l	100
79) sec-Butylbenzene	11.64	105	956881	20.117	ug/l	99
80) Nitrobenzene	13.20	77	45495	212.219	ug/l	99
81) p-Isopropyltoluene	11.79	119	791655	20.684	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	377838	19.059	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	383892	19.208	ug/l	99
84) n-Butylbenzene	12.20	91	822792	20.236	ug/l	98
85) 1,2-Dichlorobenzene	12.21	146	362519	18.958	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	38448	22.046	ug/l	97
87) 1,2,4-Trichlorobenzene	13.83	180	237166	19.974	ug/l	100
88) Hexachlorobutadiene	14.01	225	114989	20.823	ug/l	100
89) Naphthalene	14.08	128	524433	20.771	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	217269	19.373	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

MSVOA_U

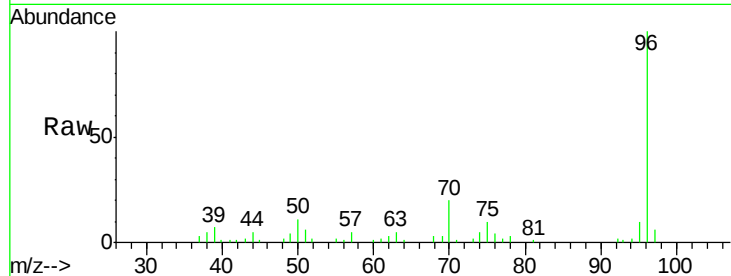
ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 30025

Ion	Ratio	Lower	Upper
96	100		
70	22.3	17.1	25.7
95	0.0	7.6	11.4
97	0.0	0.0	0.0

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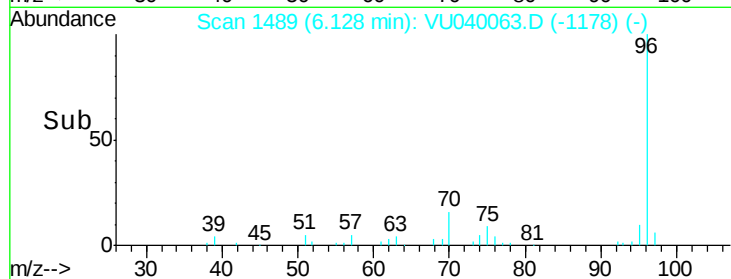
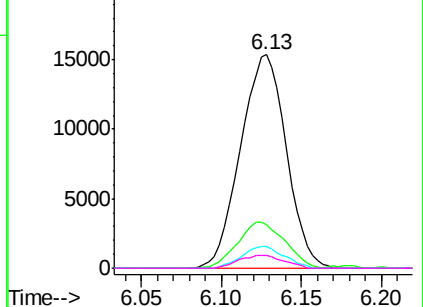


Abundance Ion 96.00 (95.70 to 96.70): VU040101.D (-1475) (-)

Ion 70.00 (69.70 to 70.70): VU040101.D (-1475) (-)

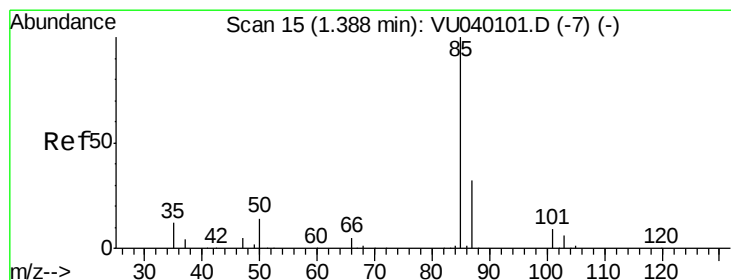
Ion 95.00 (94.70 to 95.70): VU040101.D (-1475) (-)

Ion 97.00 (96.70 to 97.70): VU040101.D (-1475) (-)



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#2

Dichlorodifluoromethane

Concen: 16.395 ug/l

RT: 1.39 min Scan# 15

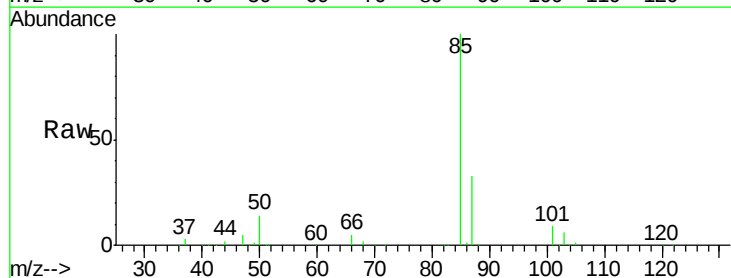
Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

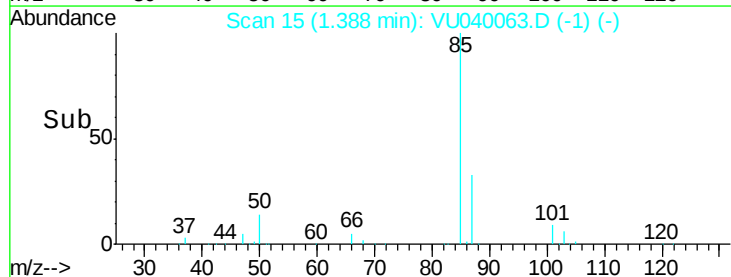
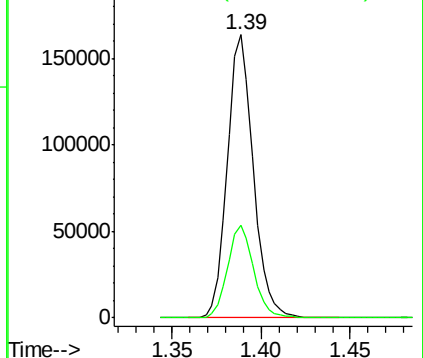
Tgt Ion: 85 Resp: 165621

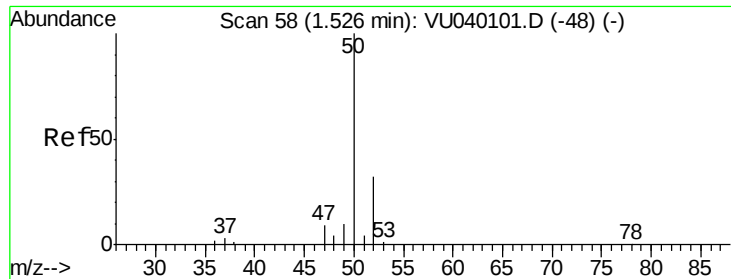
Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.6	46.8



Abundance Ion 85.00 (84.70 to 85.70): VU040101.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040101.D (-7) (-)





#3

Chloromethane

Concen: 14.011 ug/l

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

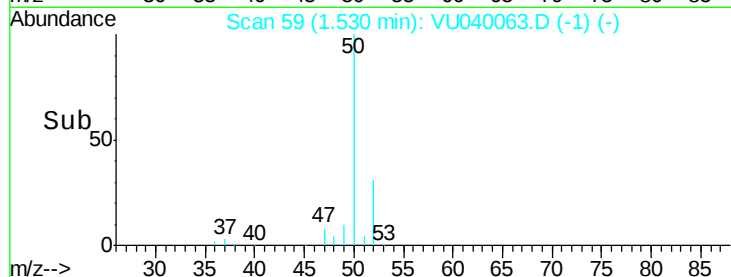
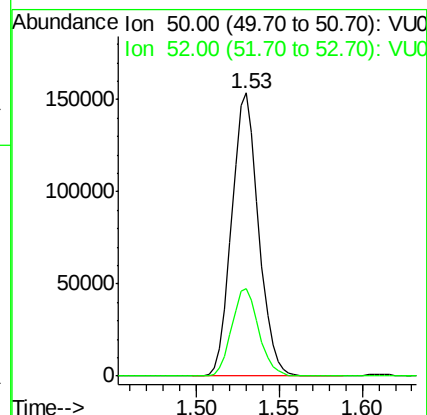
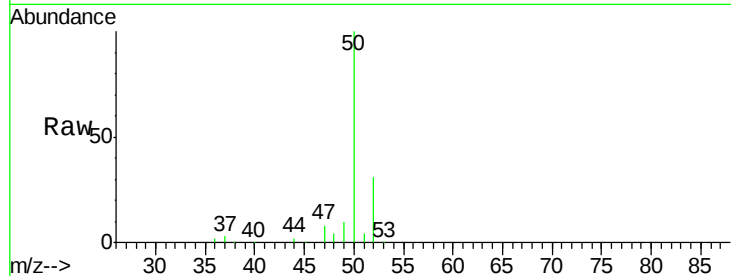
Tot Ion: 50 Resp: 173140

Ion Ratio Lower Upper

50 100

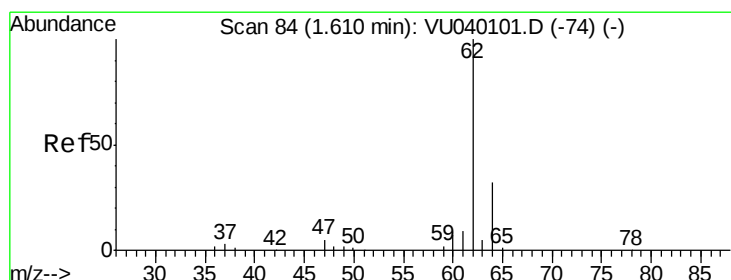
52 31.1 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 15.082 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040063.D

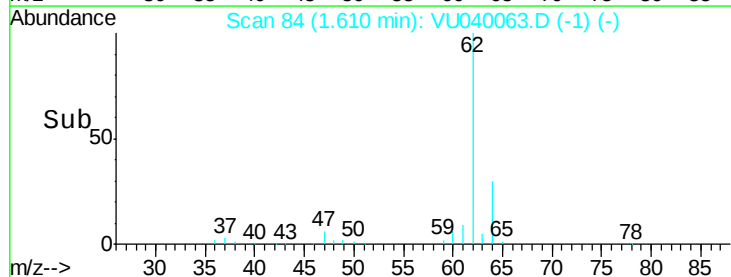
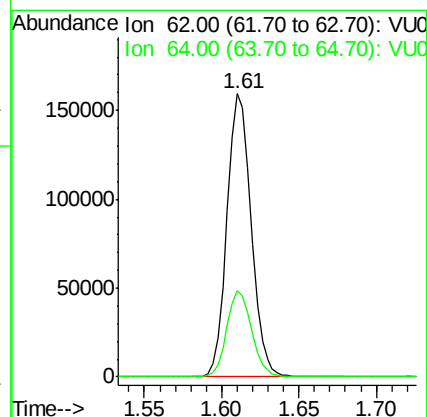
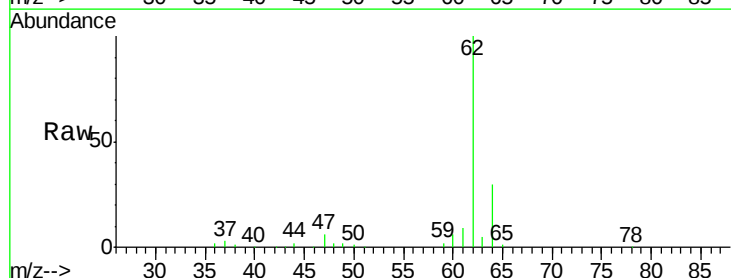
Acq: 09 Sep 2020 12:59

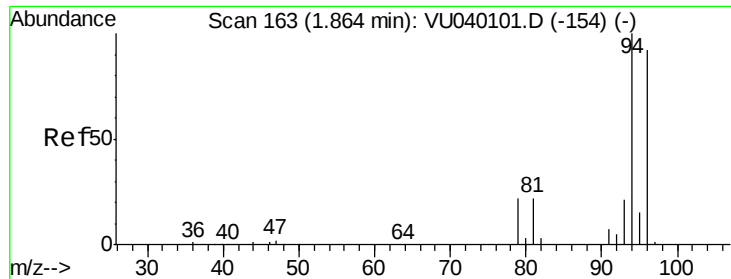
Tgt Ion: 62 Resp: 172588

Ion Ratio Lower Upper

62 100

64 30.3 25.4 38.0



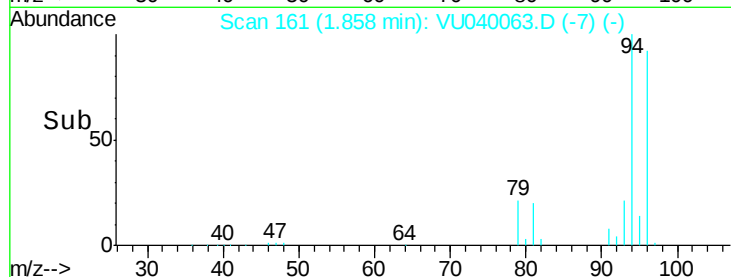
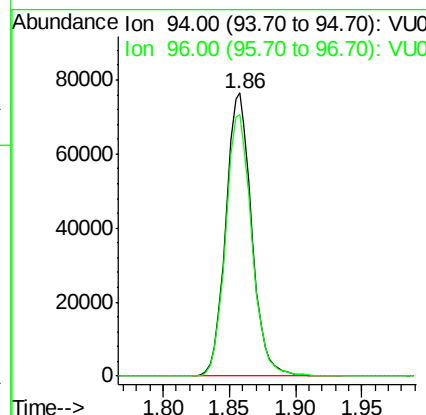
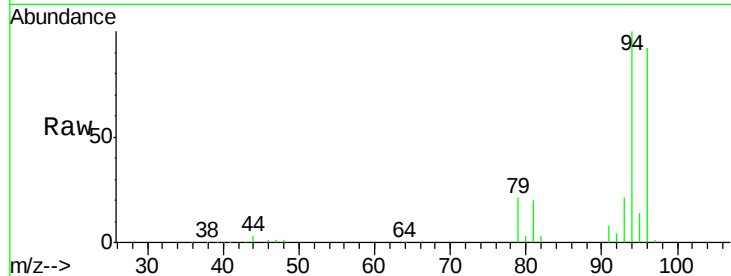


#5
Bromomethane
Concen: 13.144 ug/l
RT: 1.86 min Scan# 161
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

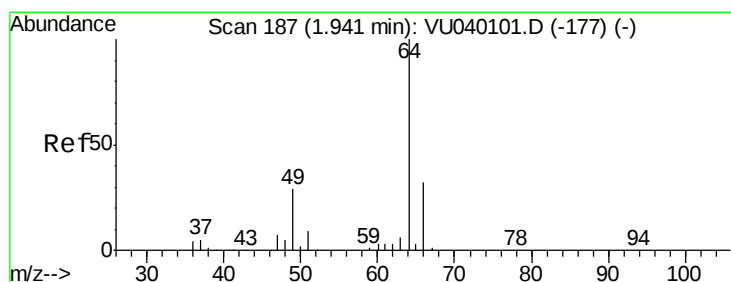
Tot Ion: 94 Resp: 103593
Ion Ratio Lower Upper
94 100
96 92.3 75.4 113.2

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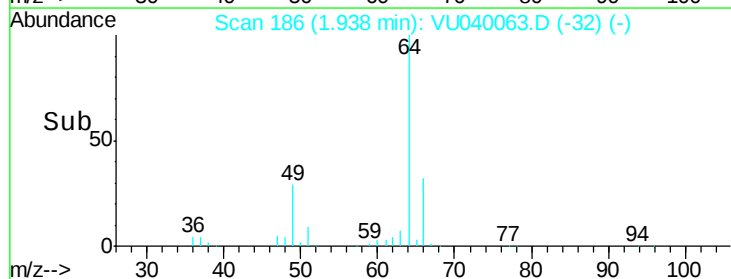
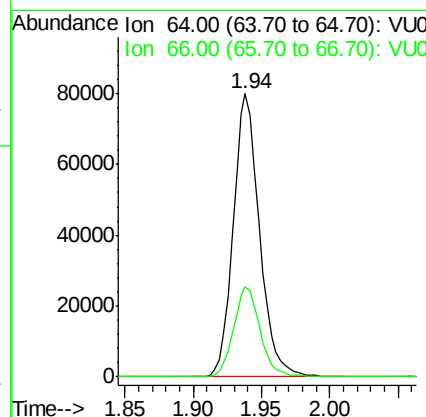
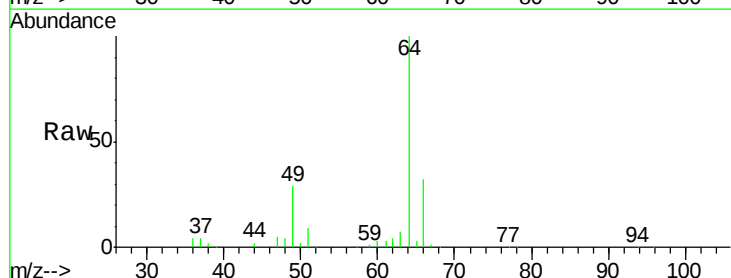
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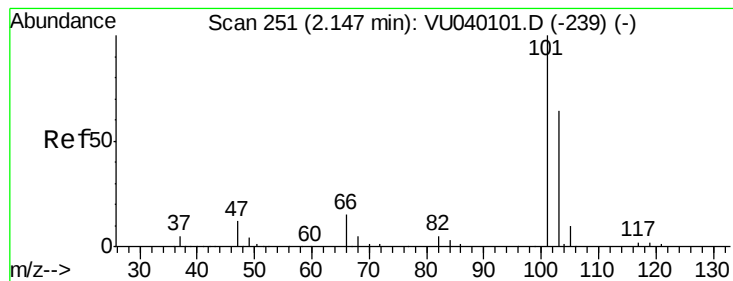
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#6
Chloroethane
Concen: 13.527 ug/l
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion: 64 Resp: 106733
Ion Ratio Lower Upper
64 100
66 31.8 26.7 40.1





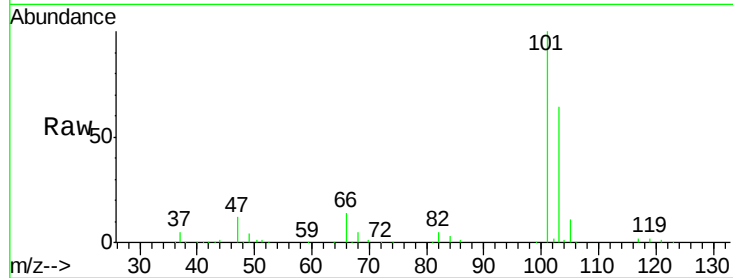
#7

Trichlorofluoromethane
Concen: 16.785 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

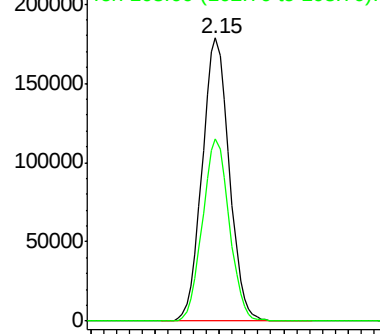
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	259123		
103	64.3	50.8	76.2	

Manual Integrations
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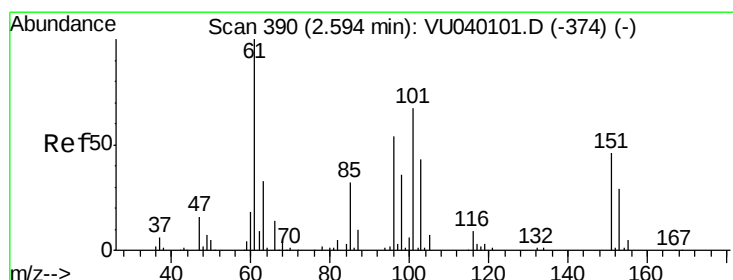
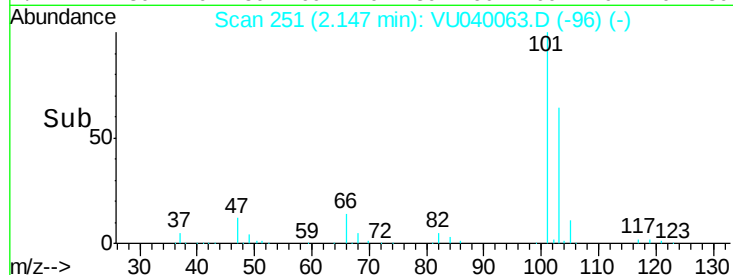


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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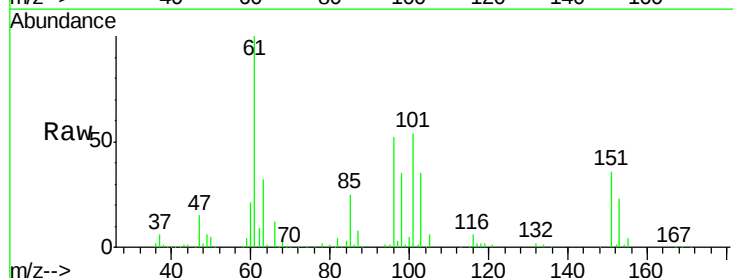
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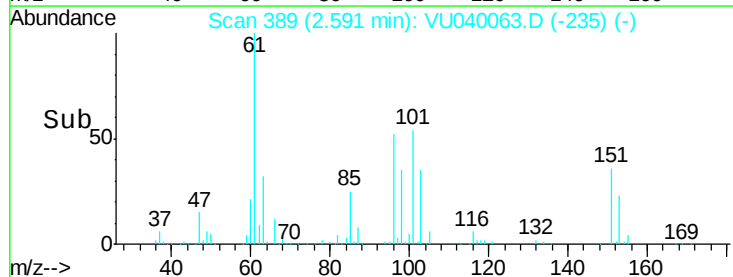
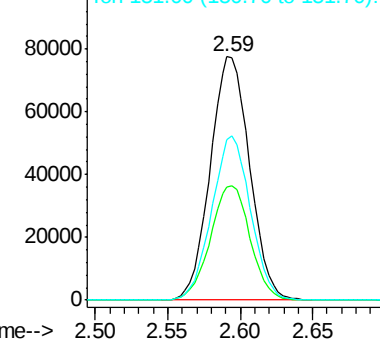
#8

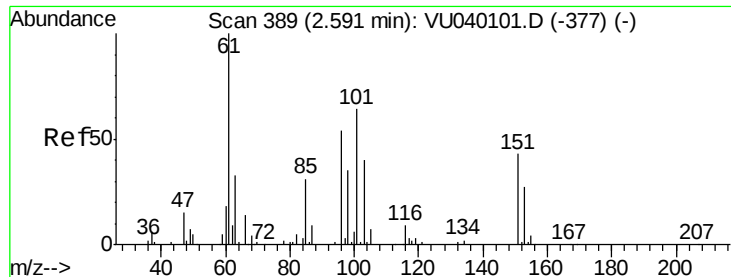
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 16.494 ug/l
RT: 2.59 min Scan# 389
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	146198		
85	47.5	38.5	57.7	
151	66.5	54.6	81.8	



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 15.194 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

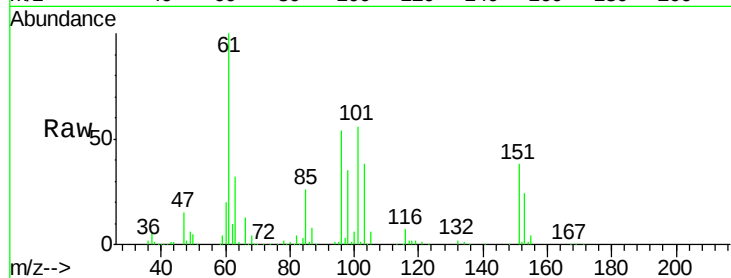
MSVOA_U

ClientSampleId :

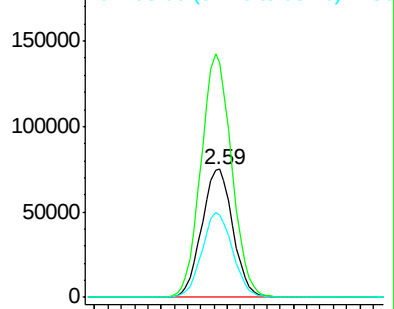
VSTDIC020

Tot Ion:	96	Resp:	122355
Ion	Ratio	Lower	Upper
96	100		
61	183.6	0.0	557.1
98	64.5	0.0	125.6

Manual Integrations
APPROVED

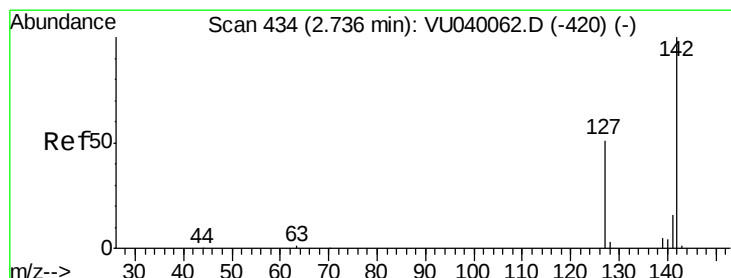
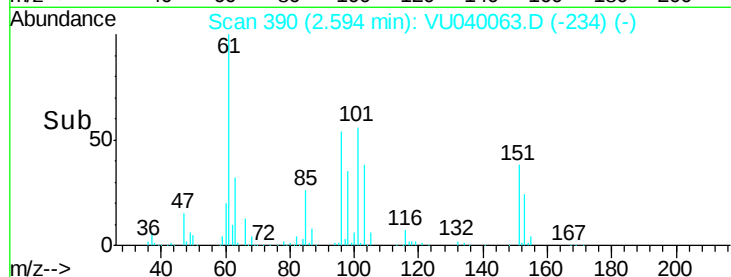


Abundance Ion 96.00 (95.70 to 96.70): VU040101.D (-377) (-)



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#10

Iodomethane

Concen: 19.851 ug/l

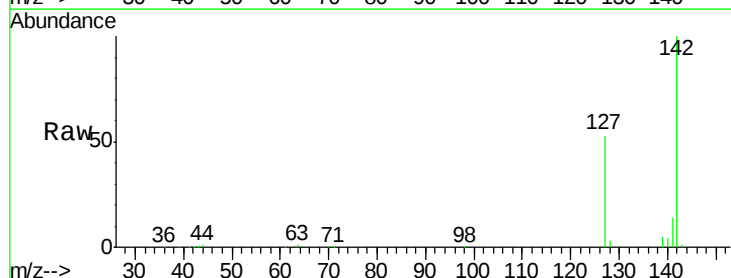
RT: 2.74 min Scan# 434

Delta R.T. -0.00 min

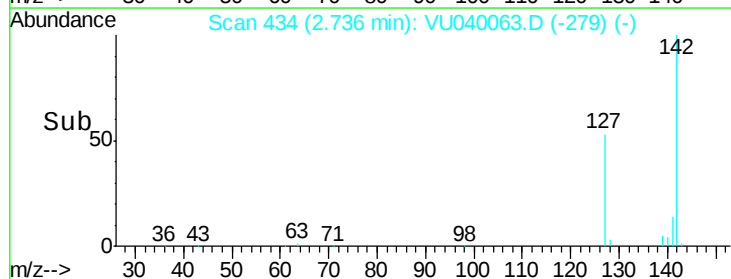
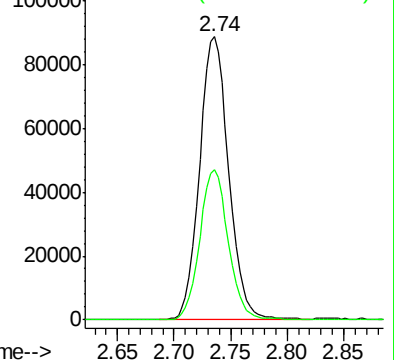
Lab File: VU040063.D

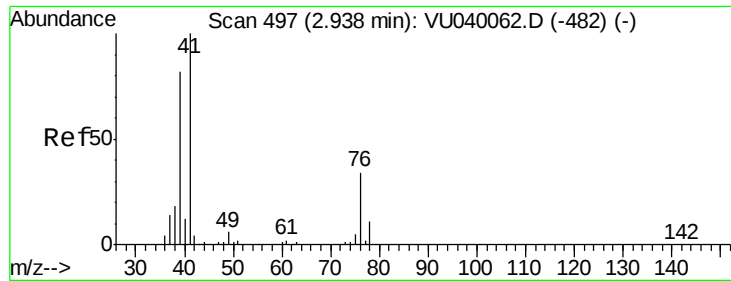
Acq: 09 Sep 2020 12:59

Tgt Ion:	142	Resp:	159150
Ion	Ratio	Lower	Upper
142	100		
127	51.8	41.4	62.0



Abundance Ion 142.00 (141.70 to 142.70): VU040062.D (-420) (-)



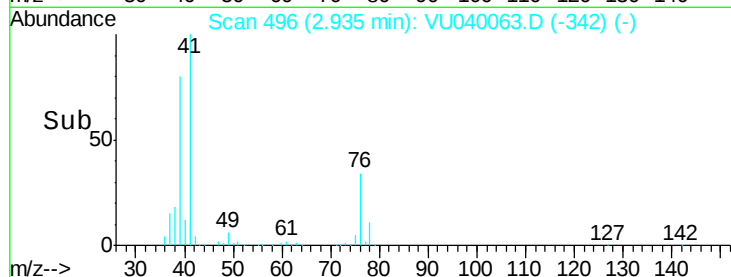
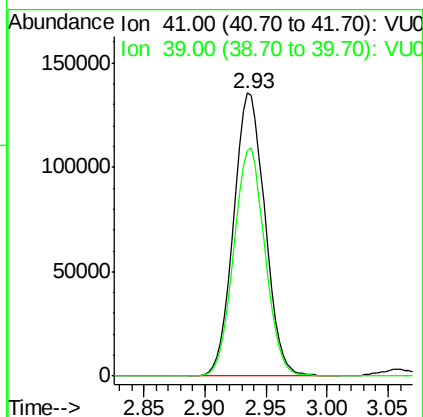
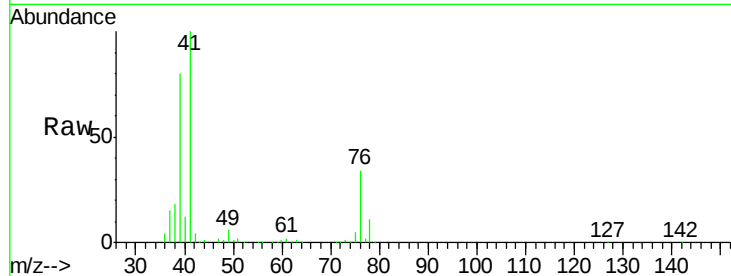


#11
Allvl Chloride
Concen: 14.116 ug/l
RT: 2.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

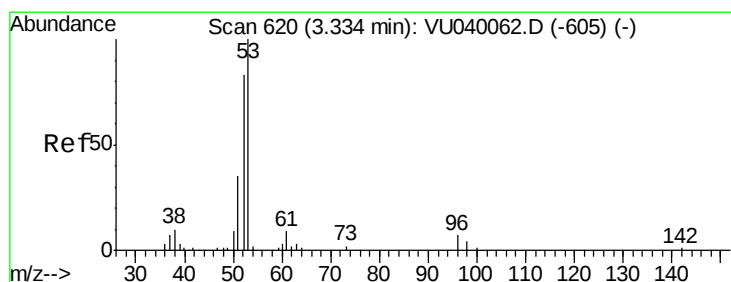
Tot Ion	Ratio	Lower	Upper
41	100		
39	79.9	64.6	96.8

Manual Integrations
APPROVED



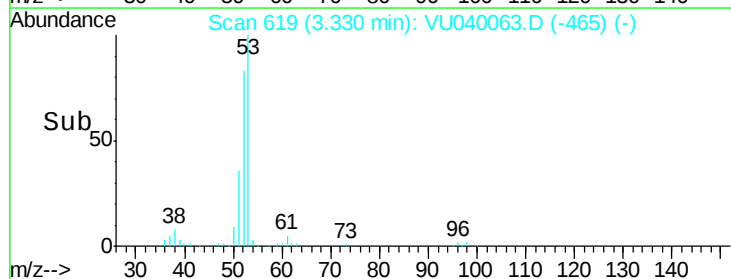
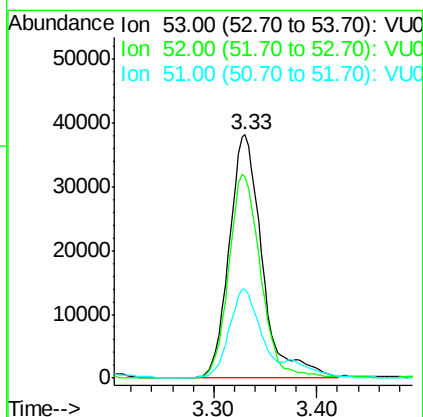
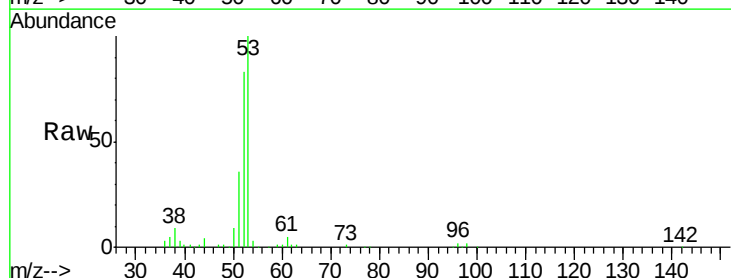
MMDadoda

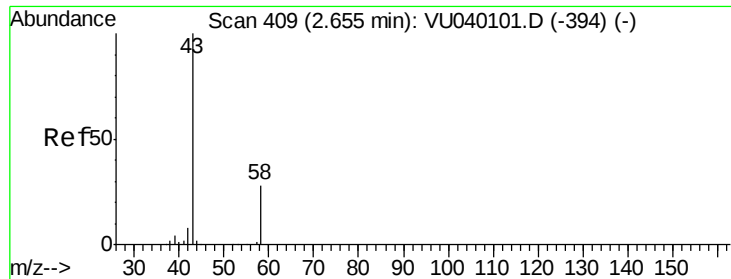
9/17/2020 4:47:22 PM



#12
Acrylonitrile
Concen: 30.221 ug/l
RT: 3.33 min Scan# 619
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.2	64.0	96.0
51	34.2	28.2	42.2





#13

Acetone

Concen: 71.693 ug/l

RT: 2.63 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 191264

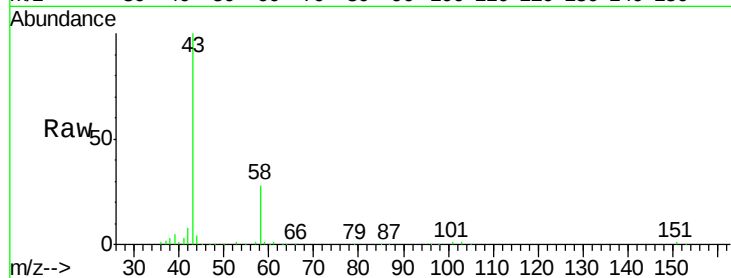
Ion Ratio Lower Upper

43 100

58 28.5 20.6 31.0

Manual Integrations

APPROVED



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

120000

100000

80000

60000

40000

20000

0

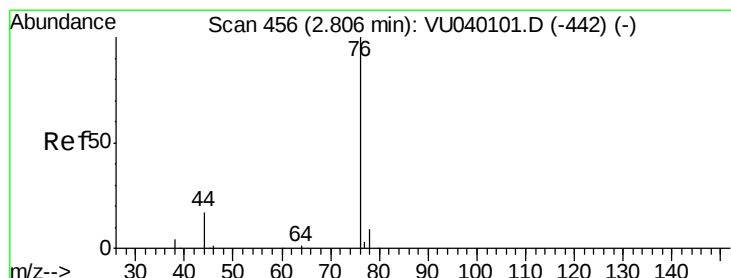
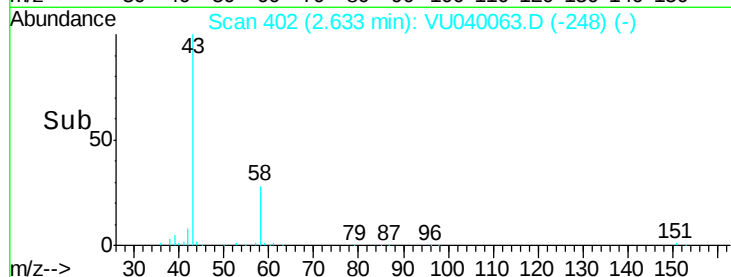
2.63

2.50 2.60 2.70 2.80

Time-->

MMDadoda

9/17/2020 4:47:22 PM



#14

Carbon Disulfide

Concen: 11.931 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040063.D

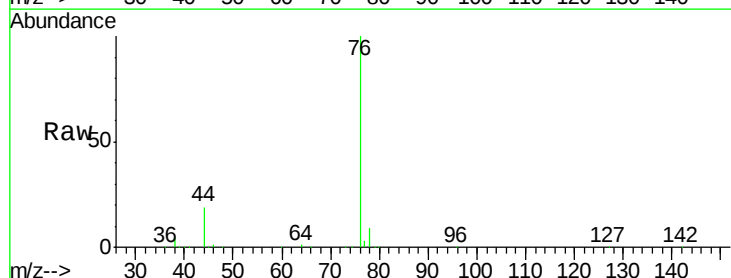
Acq: 09 Sep 2020 12:59

Tgt Ion: 76 Resp: 341233

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

200000

150000

100000

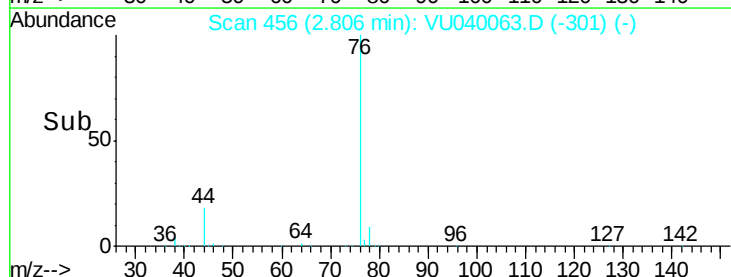
50000

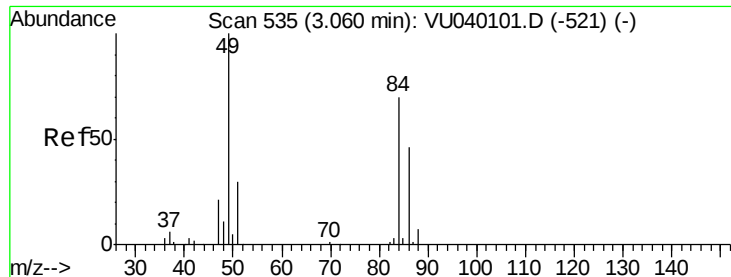
0

2.81

2.70 2.75 2.80 2.85 2.90

Time-->



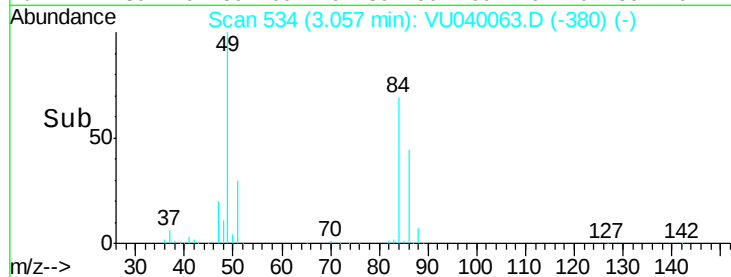
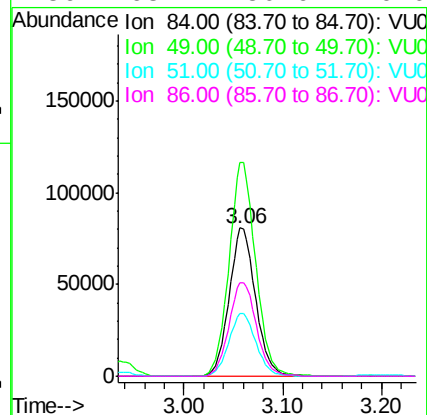
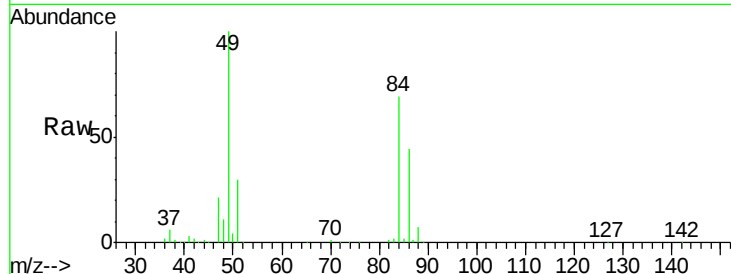


#15
Methvlene Chloride
Concen: 13.375 ug/l
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

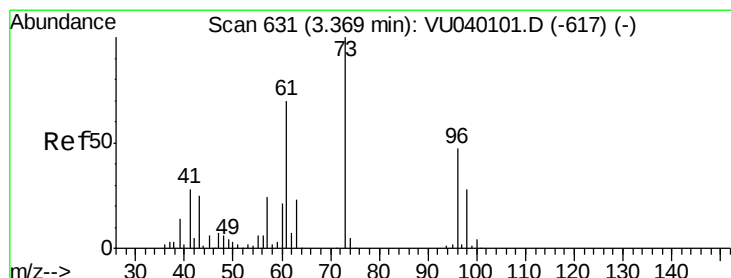
Tot Ion:	84	Resp:	151361
Ion	Ratio	Lower	Upper
84	100		
49	144.3	114.3	171.5
51	42.6	0.0	84.6
86	63.4	50.6	76.0

Manual Integrations
APPROVED



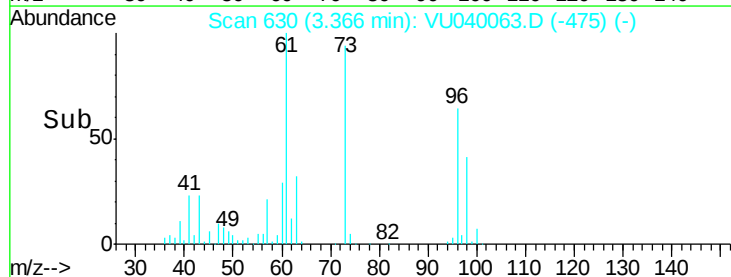
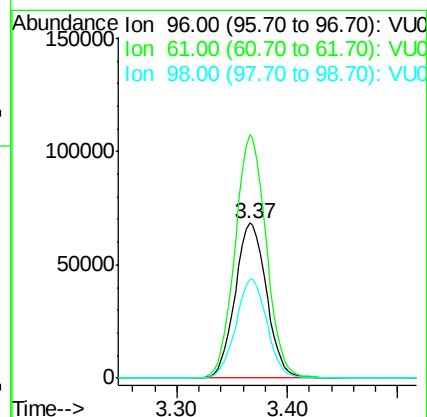
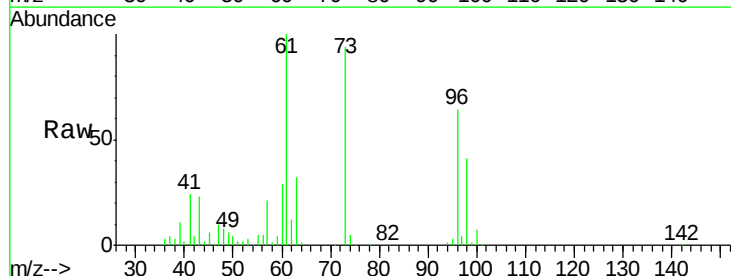
MMDadoda

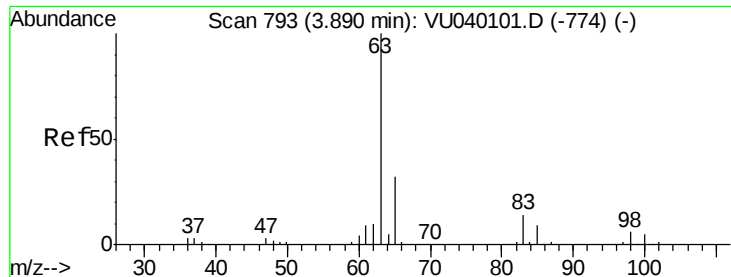
9/17/2020 4:47:22 PM



#16
trans-1,2-Dichloroethene
Concen: 14.768 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion:	96	Resp:	135045
Ion	Ratio	Lower	Upper
96	100		
61	156.9	121.4	182.0
98	63.8	51.9	77.9



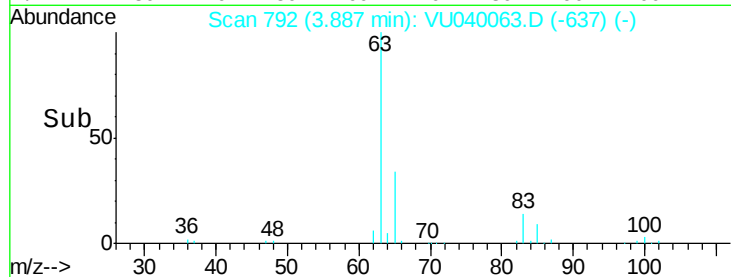
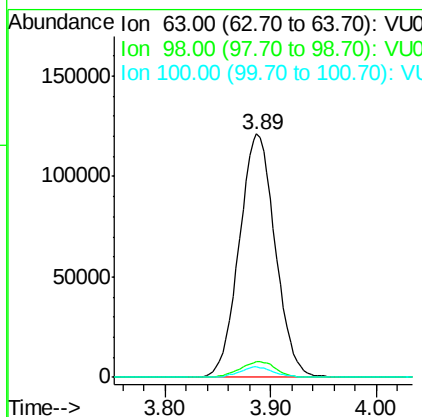
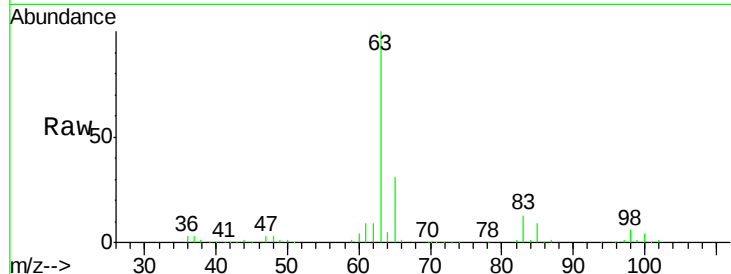


#17
 1,1-Dichloroethane
 Concen: 14.407 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

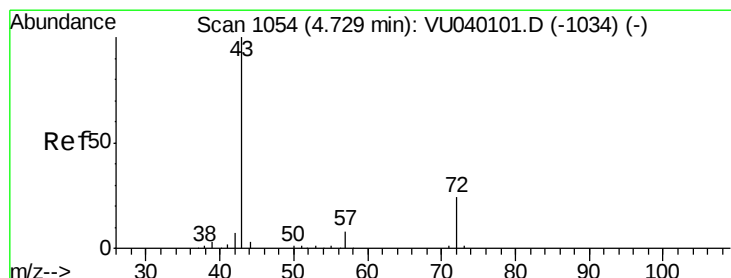
Tot Ion:	63	Resp:	287141
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.1	9.4
100	4.3	2.0	5.8

Manual Integrations
 APPROVED



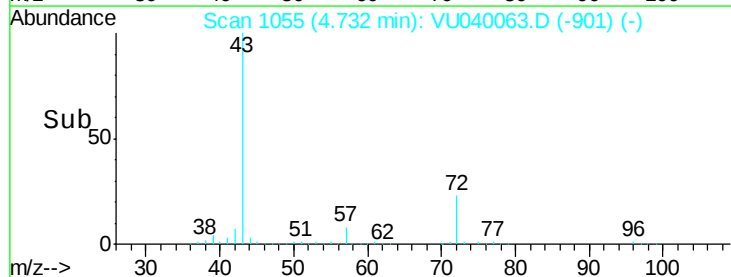
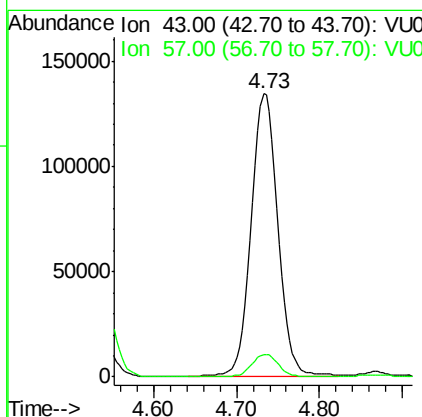
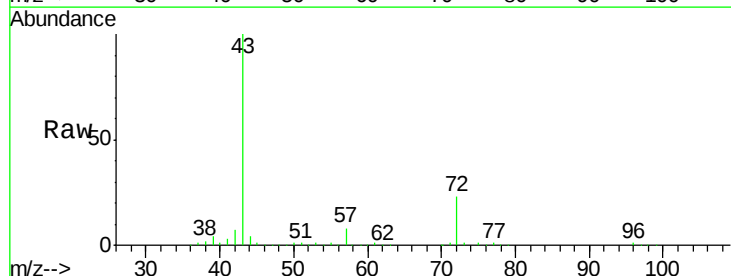
MMDadoda

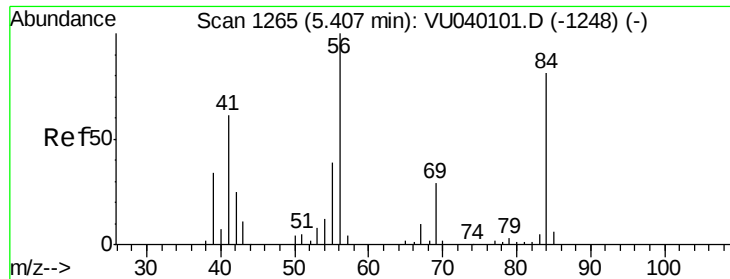
9/17/2020 4:47:22 PM



#18
 2-Butanone
 Concen: 67.731 ug/l
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Tgt Ion:	43	Resp:	298933
Ion Ratio	Lower	Upper	
43	100		
57	7.8	0.0	15.2



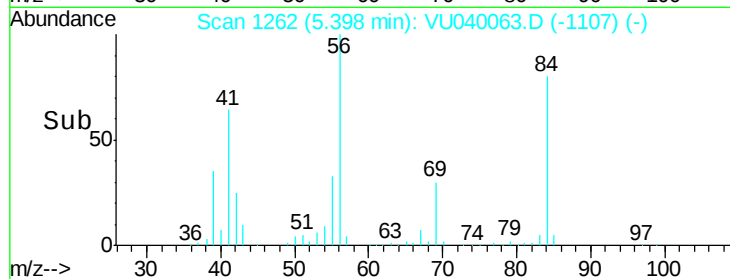
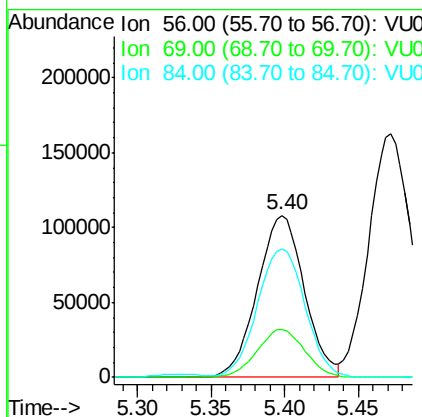
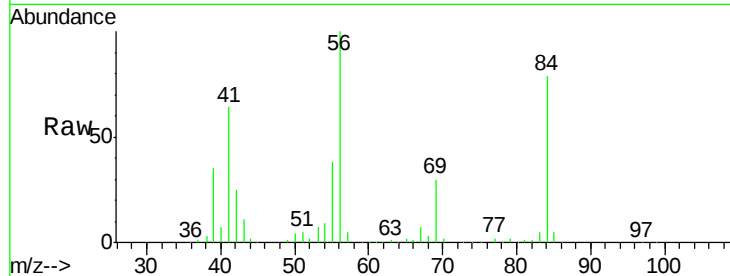


#19
Cyclohexane
Concen: 12.596 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

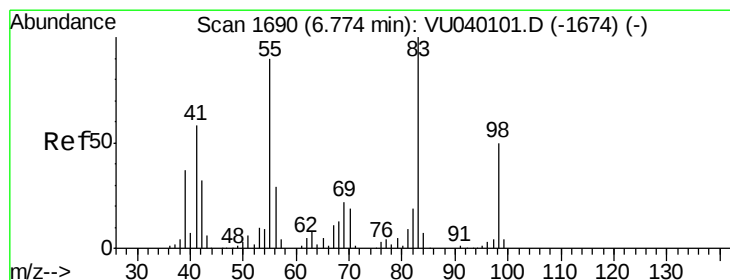
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.5	35.3
84	79.1	63.8	95.6

Manual Integrations
APPROVED



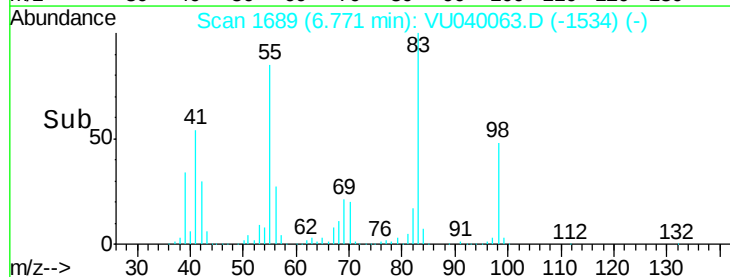
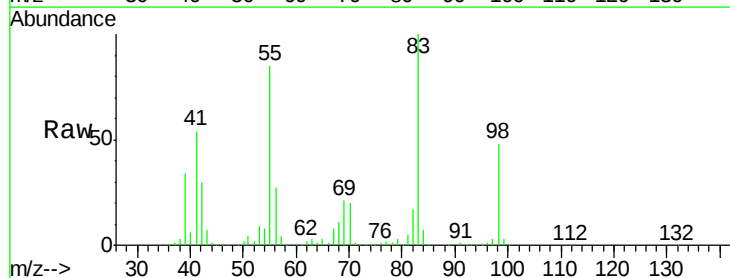
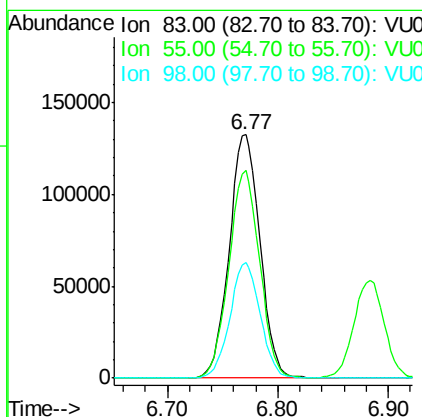
MMDadoda

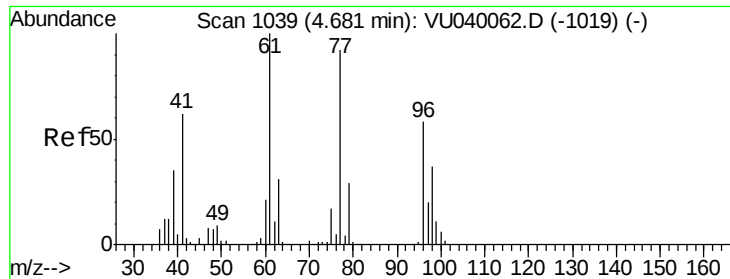
9/17/2020 4:47:22 PM



#20
Methylcyclohexane
Concen: 17.724 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.2	69.4	104.2
98	46.9	37.5	56.3





#21

2,2-Dichloropropane

Concen: 15.473 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

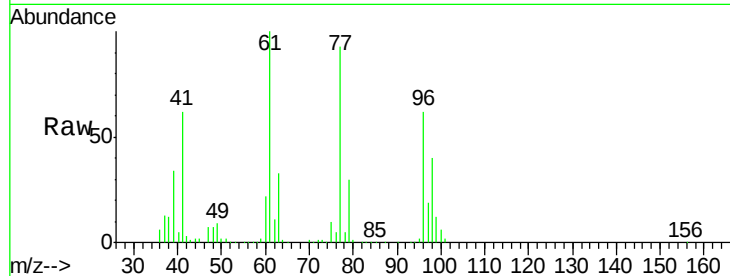
Tot Ion: 77 Resp: 256362

Ion Ratio Lower Upper

77 100

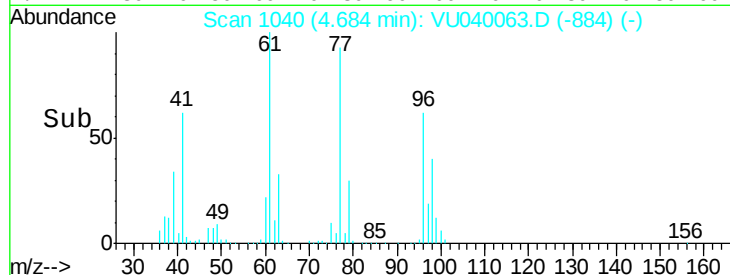
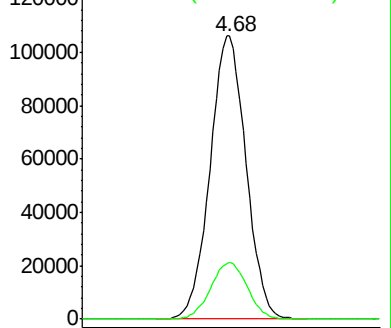
97 20.4 16.4 24.6

Manual Integrations
APPROVED



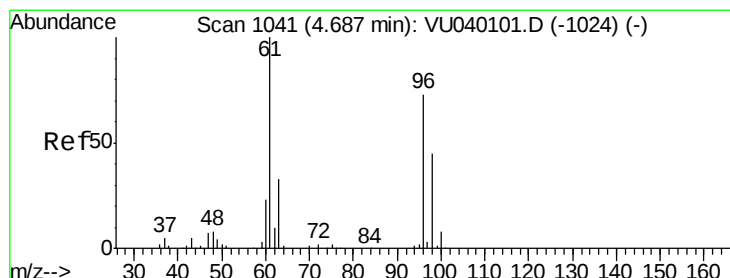
Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



MMDadoda

9/17/2020 4:47:22 PM



#22

cis-1,2-Dichloroethene

Concen: 15.555 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

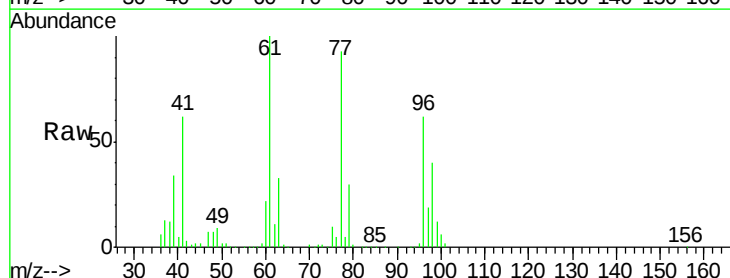
Tgt Ion: 96 Resp: 154247

Ion Ratio Lower Upper

96 100

61 166.0 0.0 420.0

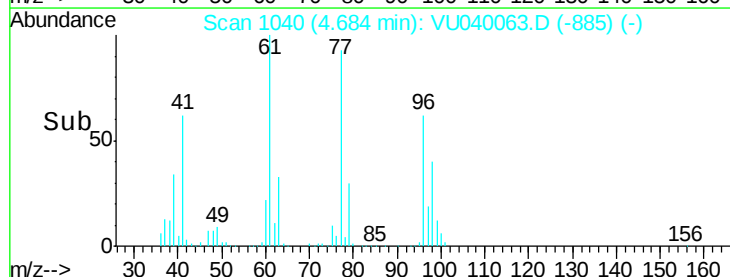
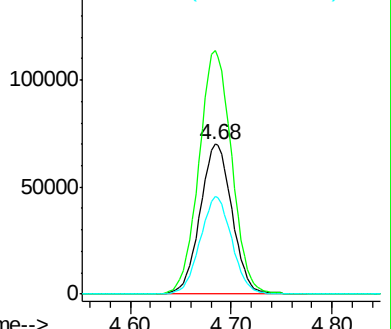
98 64.3 31.8 95.3

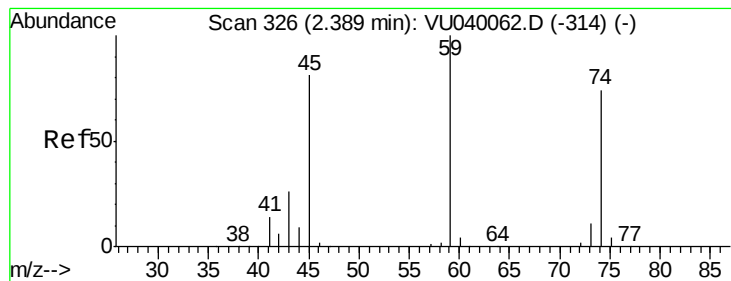


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#23

Diethyl Ether

Concen: 14.790 ug/l

RT: 2.39 min Scan# 325

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

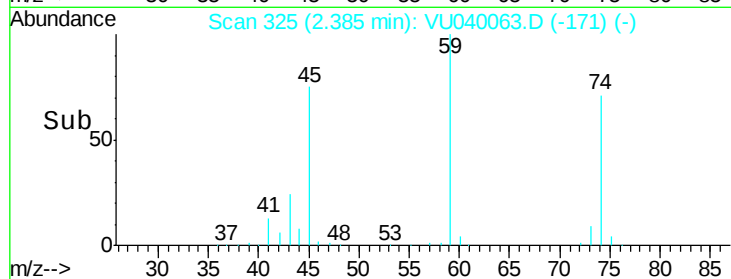
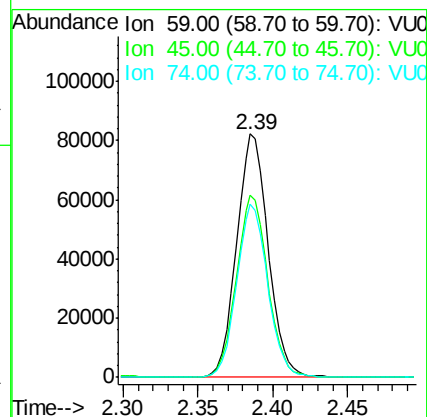
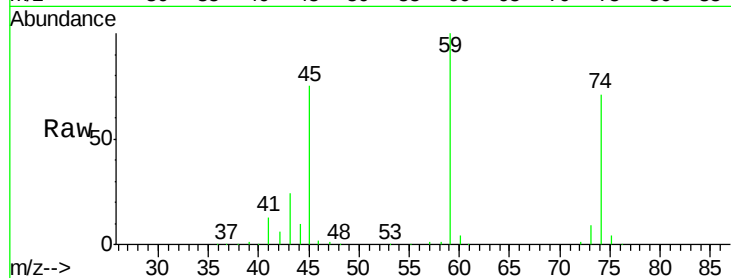
MSVOA_U

ClientSampleId :

VSTDIC020

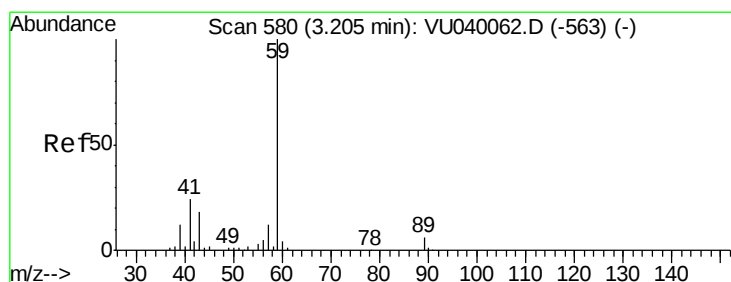
Tot Ion:	59	Resp:	120743
Ion	Ratio	Lower	Upper
59	100		
45	74.6	62.4	93.6
74	70.1	57.7	86.5

Manual Integrations
APPROVED



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#24

tert-Butyl Alcohol

Concen: 103.415 ug/l

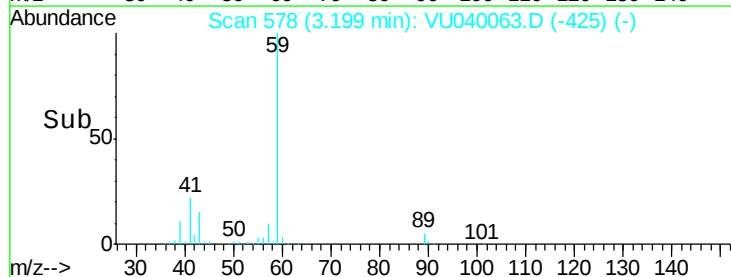
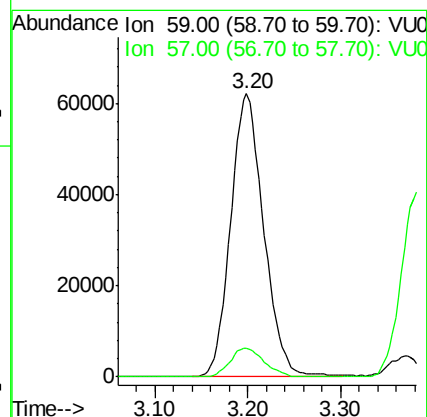
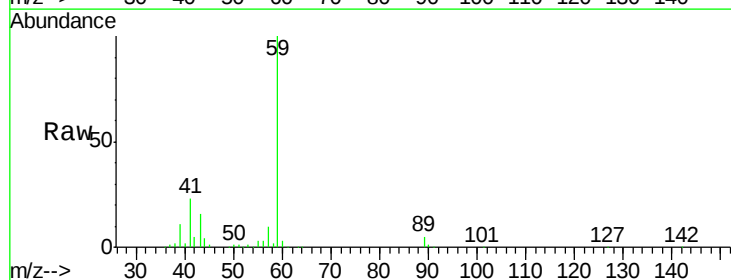
RT: 3.20 min Scan# 578

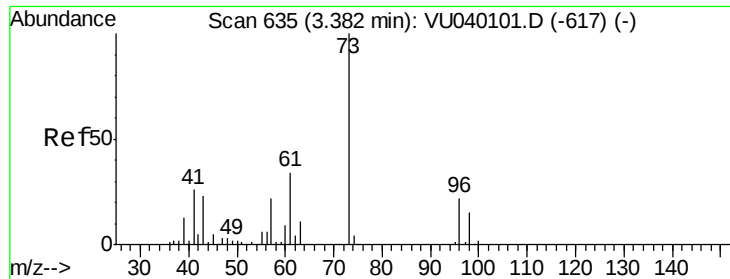
Delta R.T. -0.01 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Tgt Ion:	59	Resp:	153405
Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.0	13.6



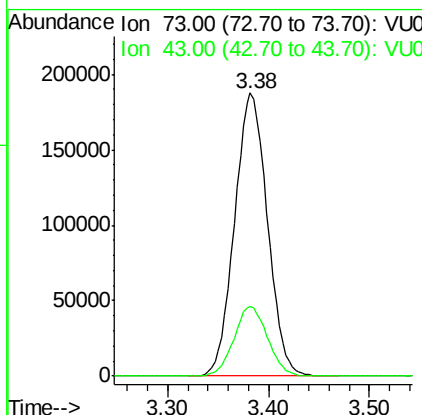
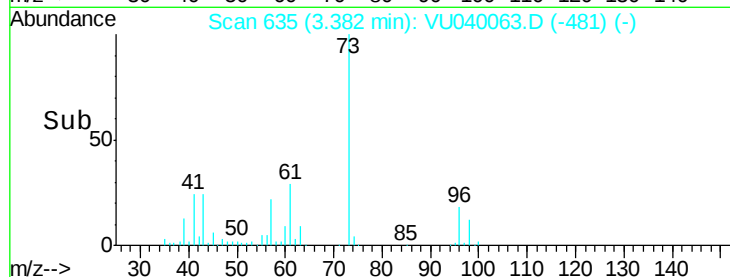
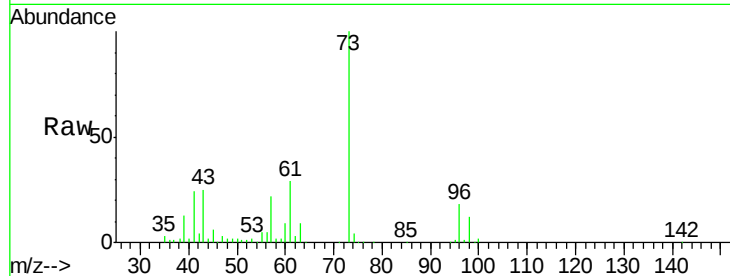


#25
Methvl tert-Butvl Ether
Concen: 16.085 ug/l
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

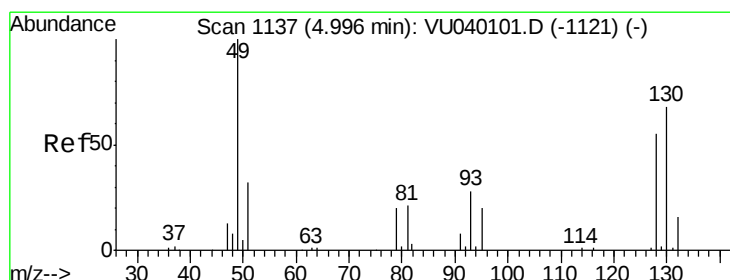
Tot Ion: 73 Resp: 423521
Ion Ratio Lower Upper
73 100
43 24.8 20.0 30.0

Manual Integrations
APPROVED



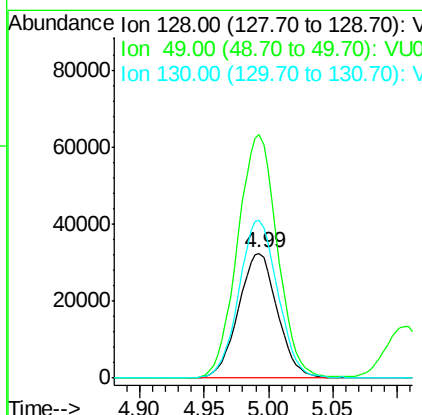
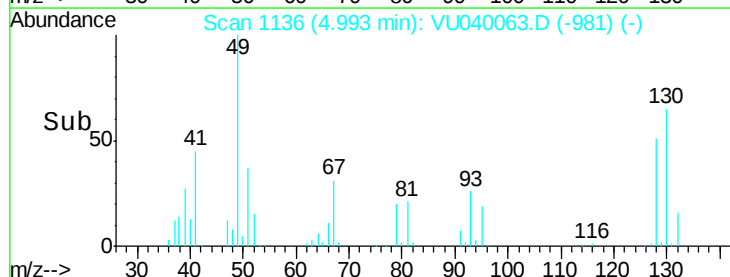
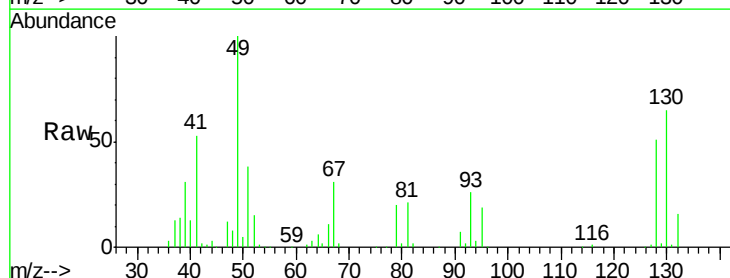
MMDadoda

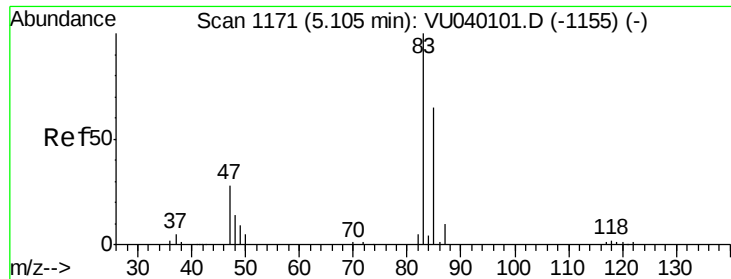
9/17/2020 4:47:22 PM



#26
Bromochloromethane
Concen: 16.668 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion: 128 Resp: 68293
Ion Ratio Lower Upper
128 100
49 199.1 0.0 390.6
130 126.5 104.9 157.3



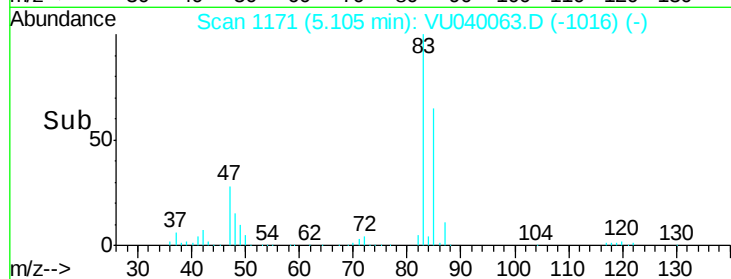
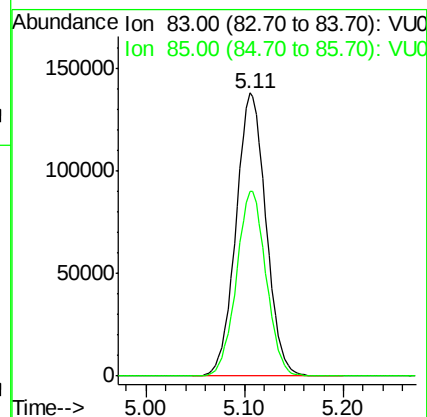
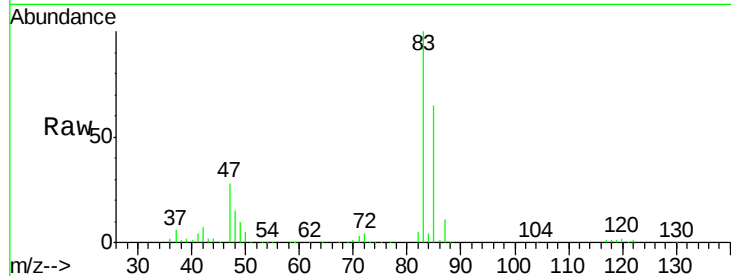


#27
Chloroform
Concen: 15.432 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

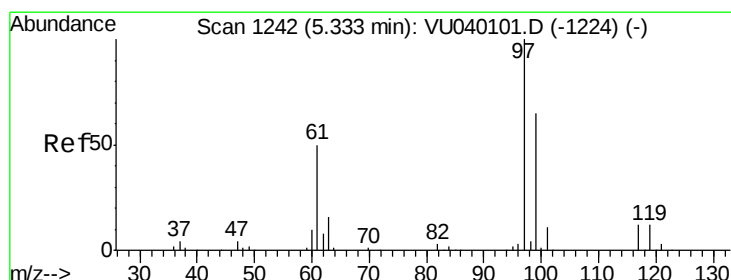
Tot Ion	83	Resp	291827
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	0.0	132.4

Manual Integrations
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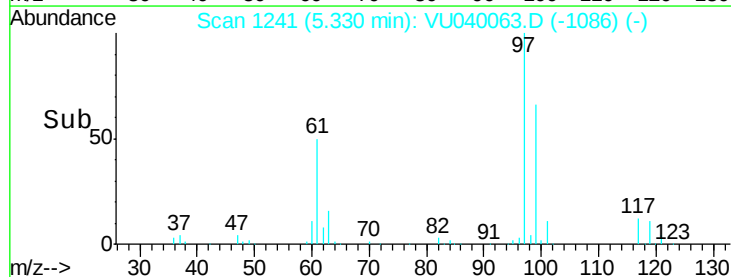
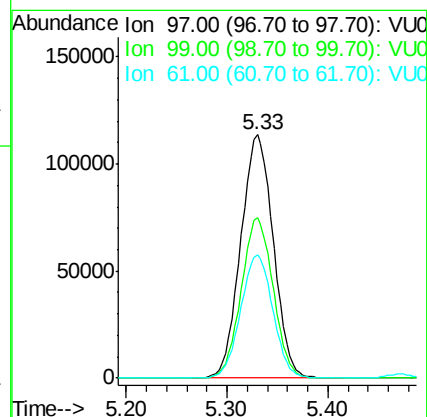
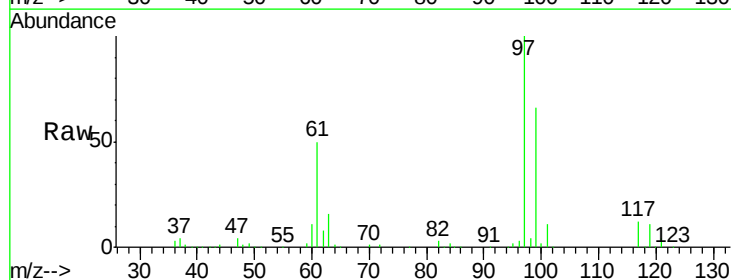
MMDadoda

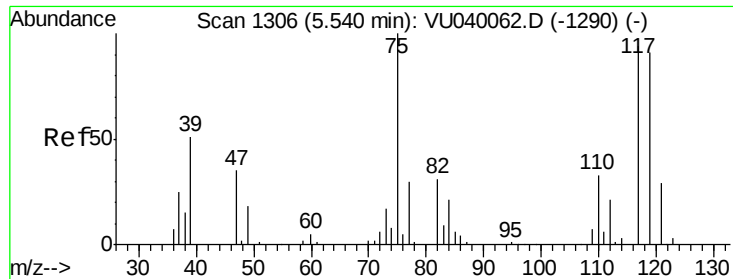
9/17/2020 4:47:22 PM



#28
1,1,1-Trichloroethane
Concen: 16.443 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	97	Resp	254462
Ion Ratio	100	Lower	Upper
97	100		
99	64.7	31.8	95.4
61	50.1	25.1	75.2



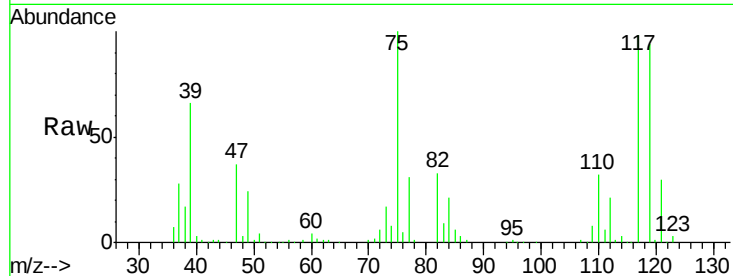


#29
1,1-Dichloropropene
Concen: 15.262 ug/l
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

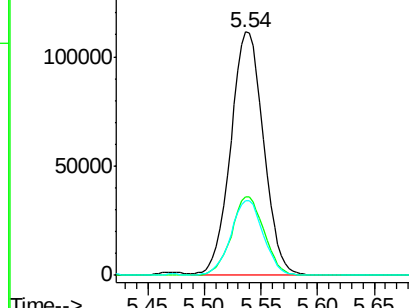
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.1	16.2	48.6	
77	30.4	25.3	37.9	

Manual Integrations
APPROVED

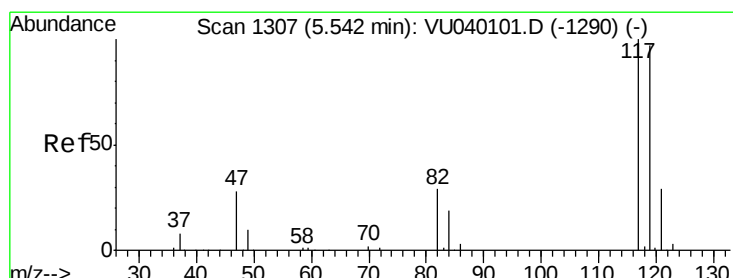
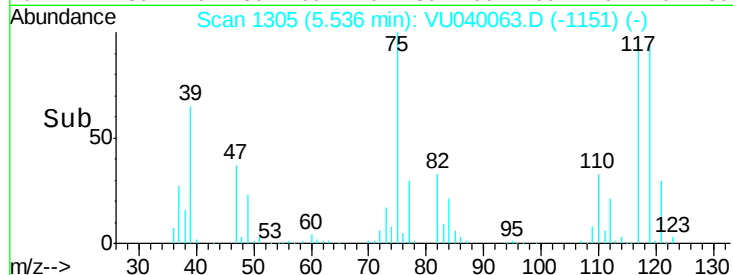


Abundance Ion 75.00 (74.70 to 75.70): VU040062.D (-1290) (-)
Ion 110.00 (109.70 to 110.70): VU040063.D (-1151) (-)
Ion 77.00 (76.70 to 77.70): VU040063.D (-1151) (-)



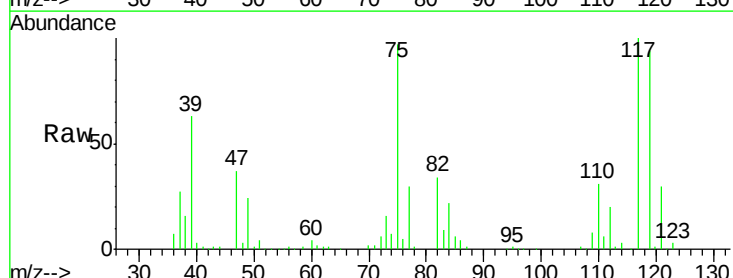
MMDadoda

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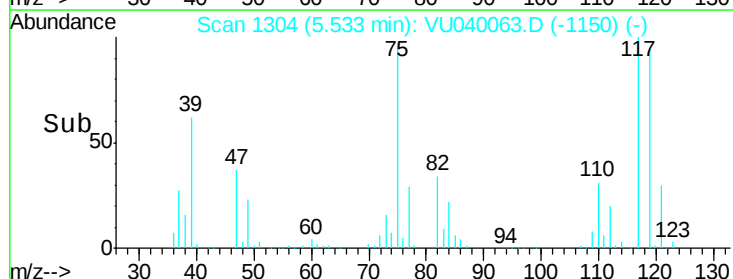
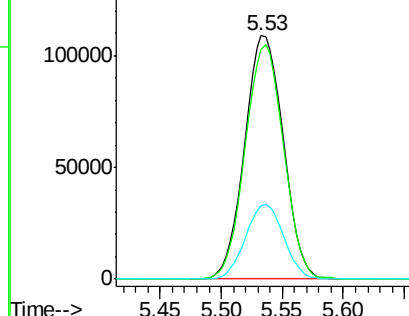


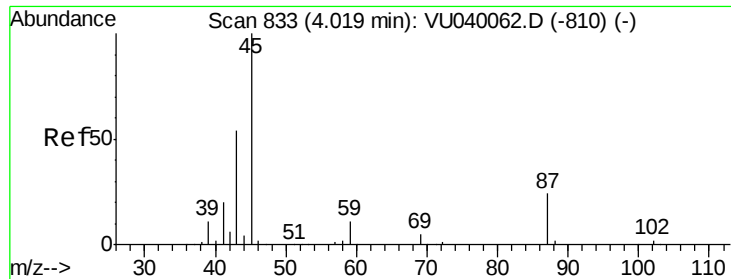
#30
Carbon Tetrachloride
Concen: 18.563 ug/l
RT: 5.53 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.4	77.0	115.4	
121	29.9	24.2	36.4	



Abundance Ion 117.00 (116.70 to 117.70): VU040063.D (-1150) (-)
Ion 119.00 (118.70 to 119.70): VU040063.D (-1150) (-)
Ion 121.00 (120.70 to 121.70): VU040063.D (-1150) (-)





#31

Isopropyl Ether

Concen: 14.116 ug/l

RT: 4.02 min Scan# 833

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 45 Resp: 511046

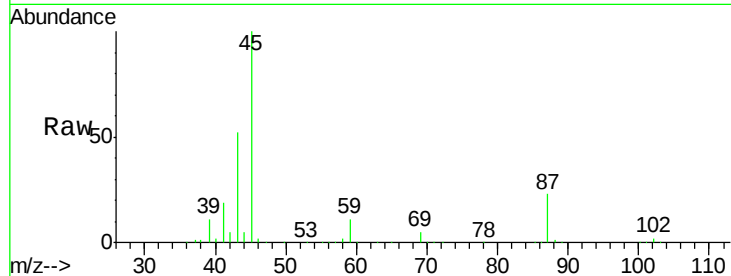
Ion Ratio Lower Upper

45 100

43 54.2 27.9 83.7

Manual Integrations

APPROVED



Abundance Ion 45.00 (44.70 to 45.70): VU040062.D (-810) (-)

Ion 43.00 (42.70 to 43.70): VU040062.D (-810) (-)

200000

150000

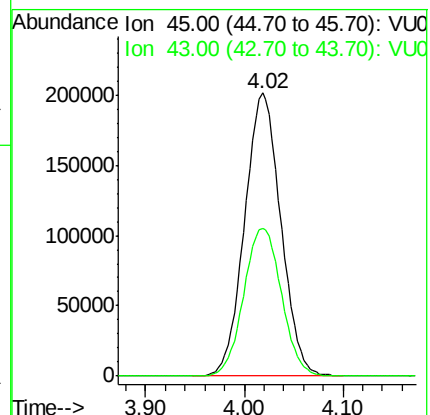
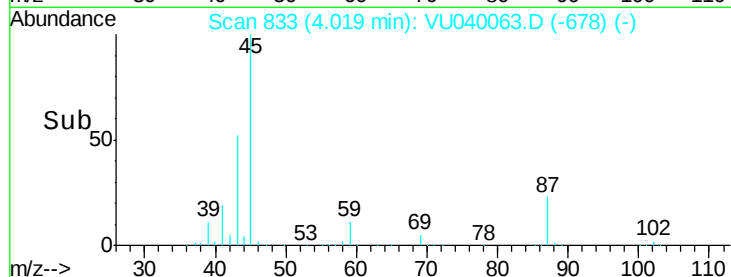
100000

50000

0

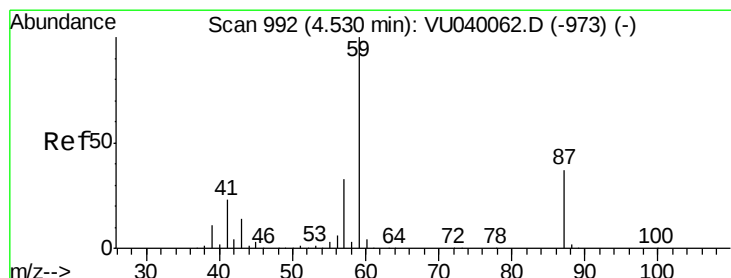
3.90 4.00 4.10

Time-->



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#32

Ethyl-t-butyl ether

Concen: 15.081 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU040063.D

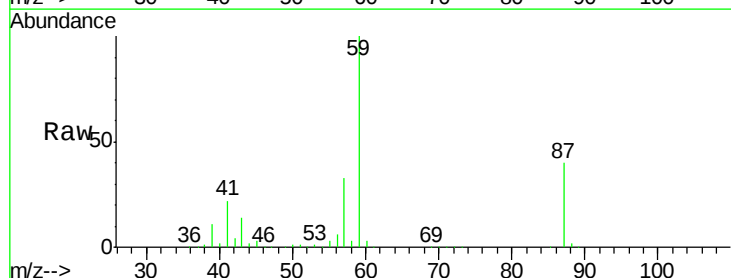
Acq: 09 Sep 2020 12:59

Tgt Ion: 59 Resp: 469029

Ion Ratio Lower Upper

59 100

87 39.5 30.7 46.1



Abundance Ion 59.00 (58.70 to 59.70): VU040062.D (-973) (-)

Ion 87.00 (86.70 to 87.70): VU040062.D (-973) (-)

200000

150000

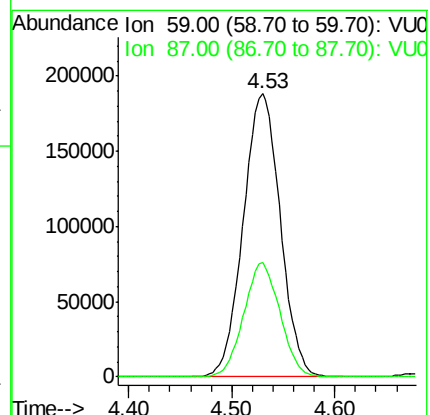
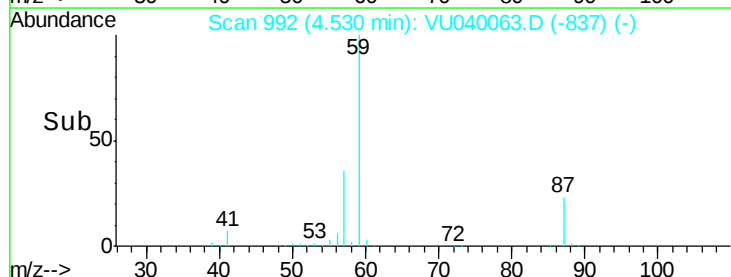
100000

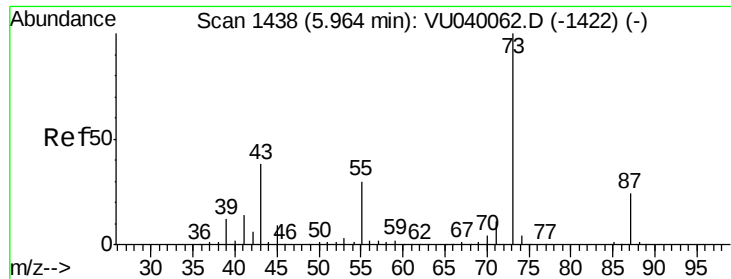
50000

0

4.40 4.50 4.60

Time-->



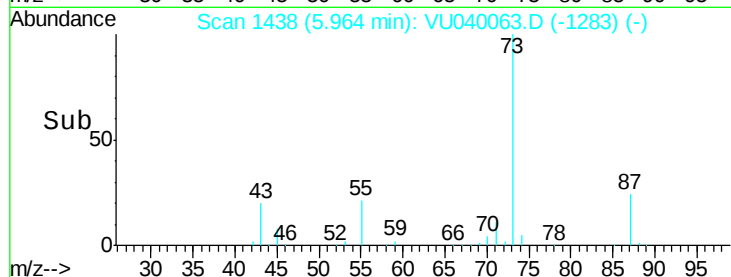
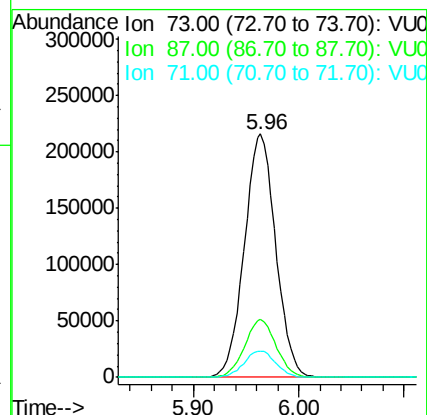
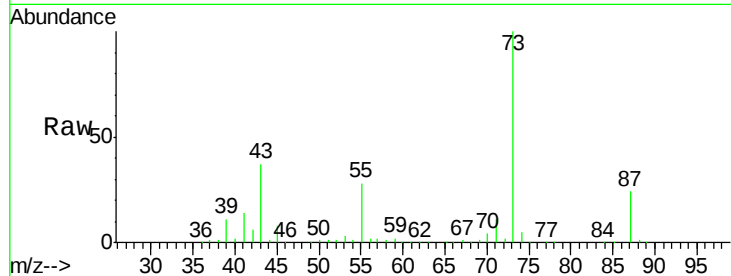


#33
Tert-Butyl methyl ether
Concen: 19.250 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

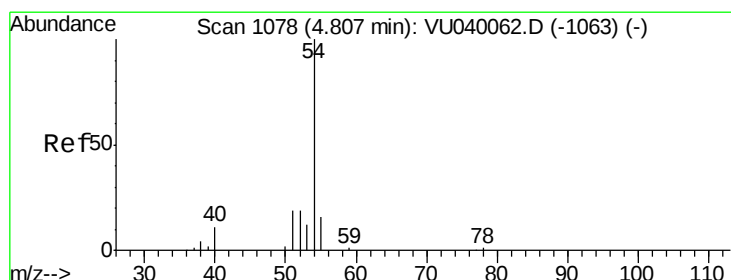
Tot Ion:	73	Resp:	443707
Ion	Ratio	Lower	Upper
73	100		
87	24.0	19.4	29.0
71	11.0	9.2	13.8

Manual Integrations
APPROVED



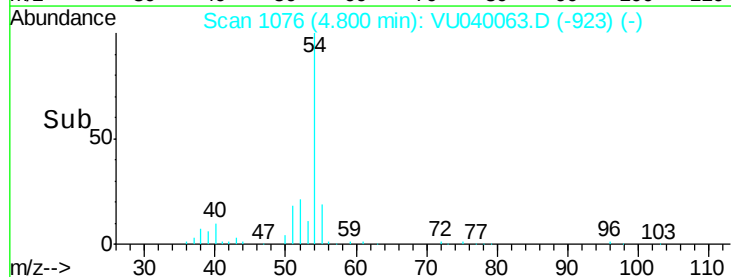
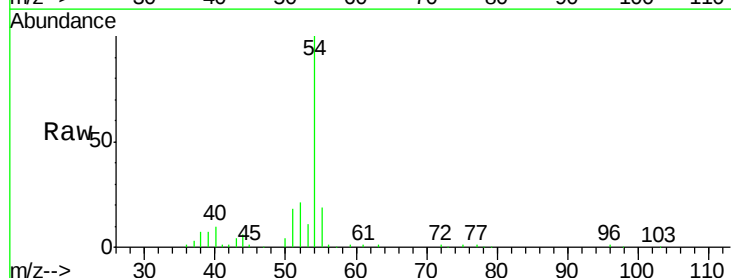
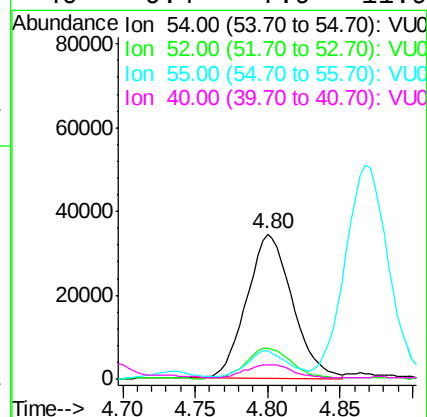
MMDadoda

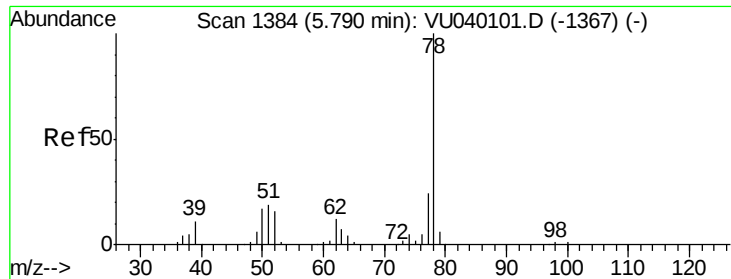
9/17/2020 4:47:22 PM



#34
Propionitrile
Concen: 69.227 ug/l
RT: 4.80 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion:	54	Resp:	75554
Ion	Ratio	Lower	Upper
54	100		
52	21.2	16.2	24.4
55	16.8	12.6	18.8
40	9.4	7.9	11.9





#35

Benzene

Concen: 16.997 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 628069

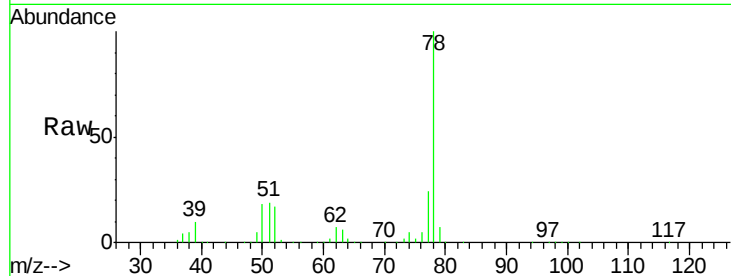
Ion Ratio Lower Upper

78 100

77 23.5 19.1 28.7

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU040101.D (-1367) (-)

Ion 77.00 (76.70 to 77.70): VU040101.D (-1367) (-)

5.79

300000

200000

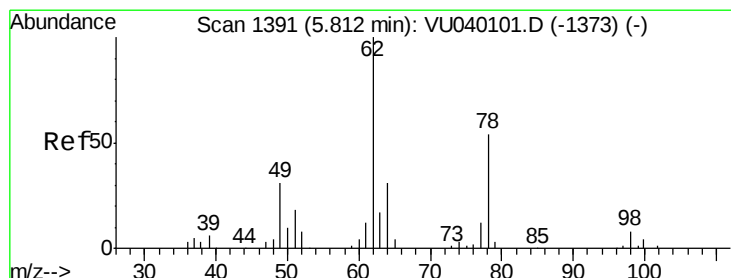
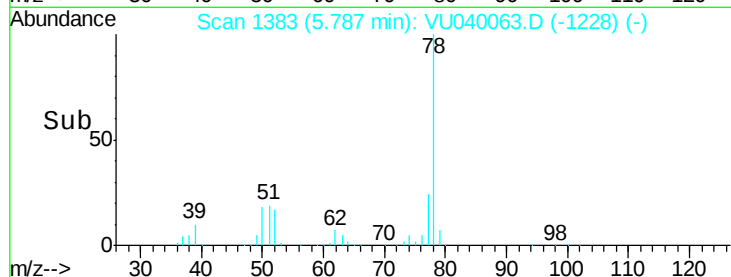
100000

0

Time-->

MMDadoda

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#36

1,2-Dichloroethane

Concen: 17.059 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU040063.D

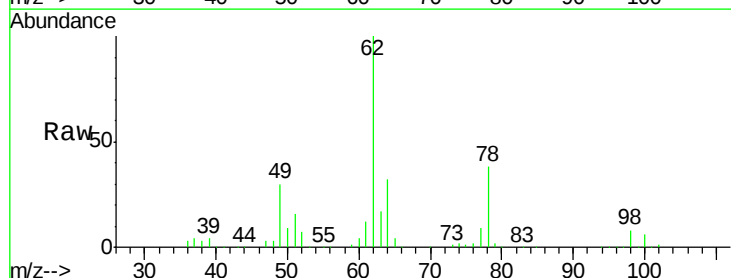
Acq: 09 Sep 2020 12:59

Tgt Ion: 62 Resp: 237026

Ion Ratio Lower Upper

62 100

98 7.9 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU040101.D (-1373) (-)

Ion 98.00 (97.70 to 98.70): VU040101.D (-1373) (-)

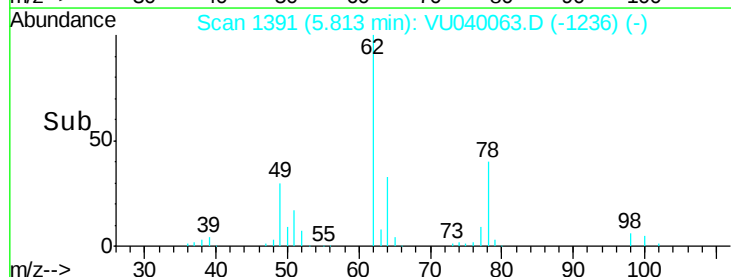
5.81

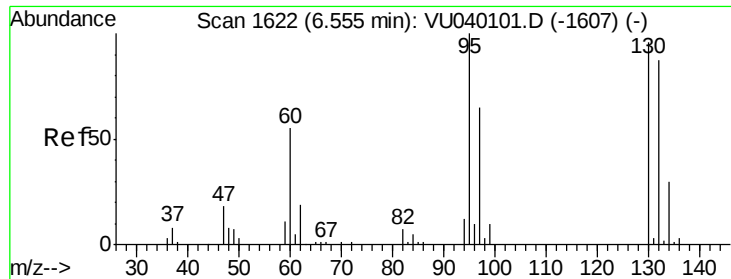
100000

50000

0

Time-->



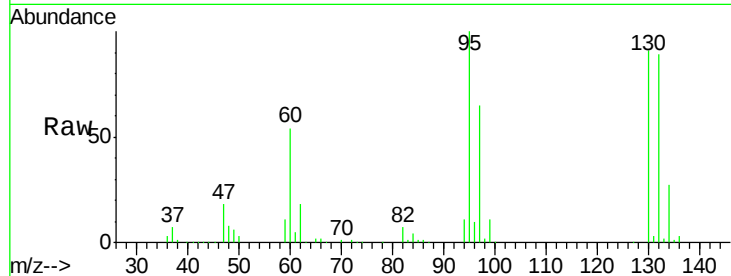


#37
 Trichloroethene
 Concen: 18.813 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

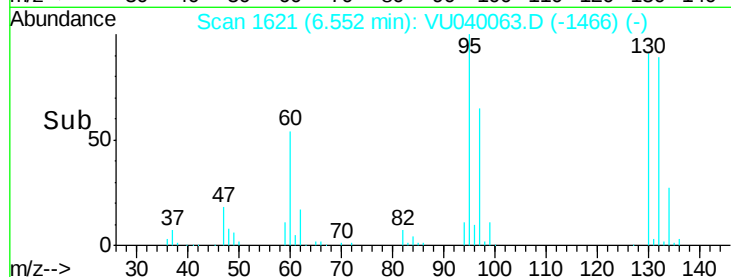
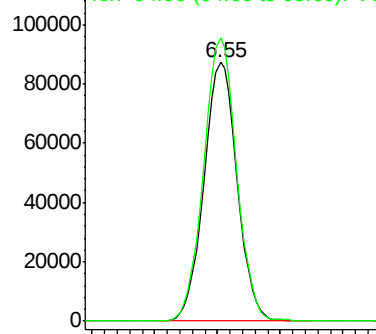
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:130 Resp: 160792
 Ion Ratio Lower Upper
 130 100
 95 109.3 84.2 126.2

Manual Integrations
 APPROVED

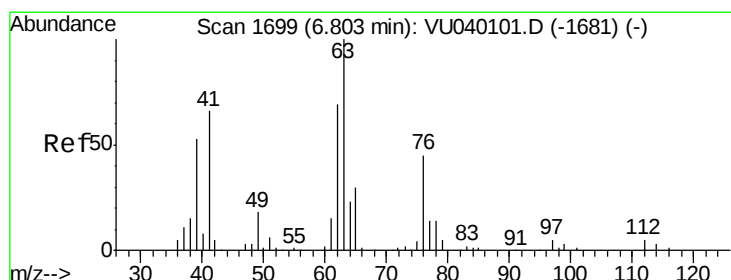


Abundance Ion 129.90 (129.60 to 130.60): VU040101.D (-1607) (-)
 Ion 94.90 (94.60 to 95.60): VU040101.D (-1607) (-)



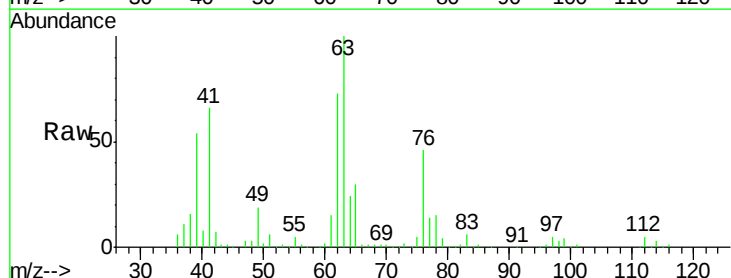
MMDadoda

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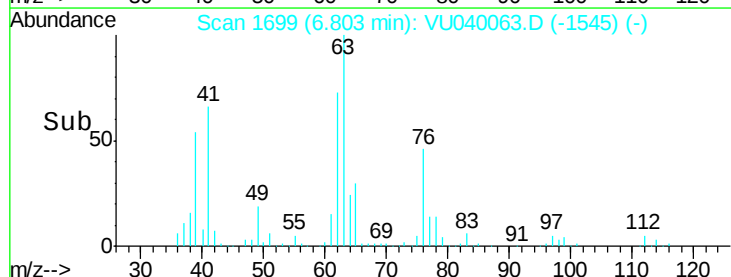
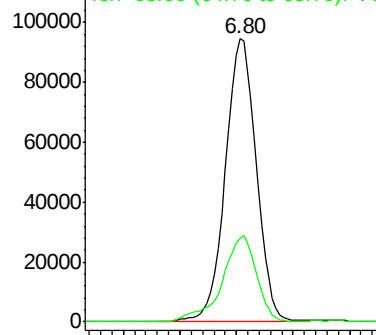


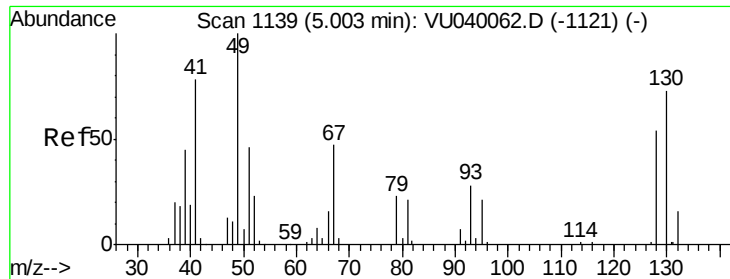
#38
 1,2-Dichloropropane
 Concen: 17.713 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Tgt Ion: 63 Resp: 179987
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VU040101.D (-1681) (-)
 Ion 65.00 (64.70 to 65.70): VU040101.D (-1681) (-)



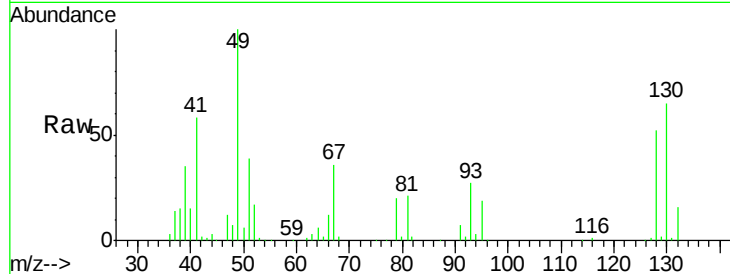


#39
Methacrylonitrile
Concen: 13.032 ug/l
RT: 5.00 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	75552
Ion	Ratio	Lower	Upper
41	100		
67	62.0	49.2	73.8
39	58.4	46.5	69.7
52	30.5	25.5	38.3

Manual Integrations
APPROVED



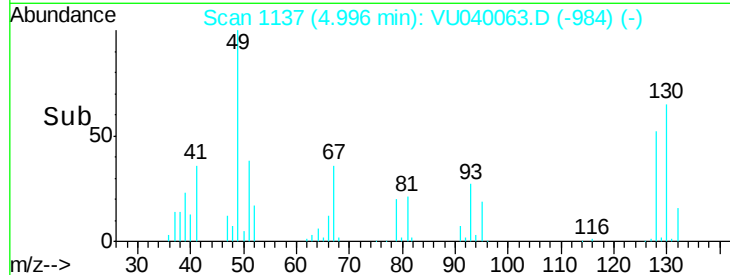
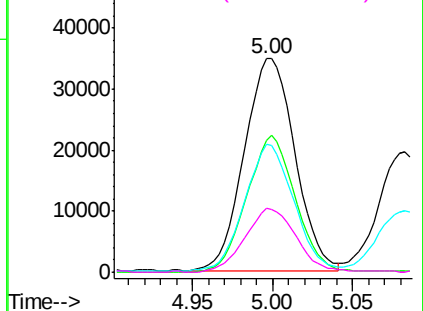
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

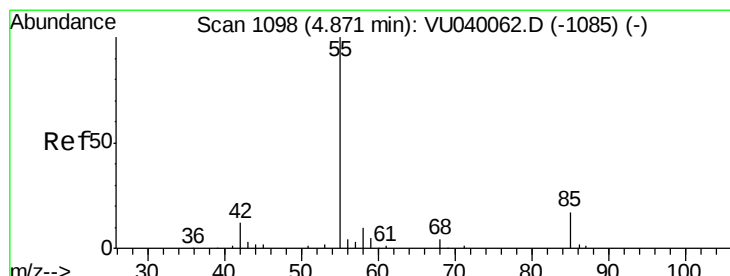
Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#40
Methyl acrylate
Concen: 14.054 ug/l
RT: 4.87 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion:	55	Resp:	104168
Ion	Ratio	Lower	Upper
55	100		
85	15.6	13.3	19.9
58	9.8	7.5	11.3
42	10.9	8.9	13.3

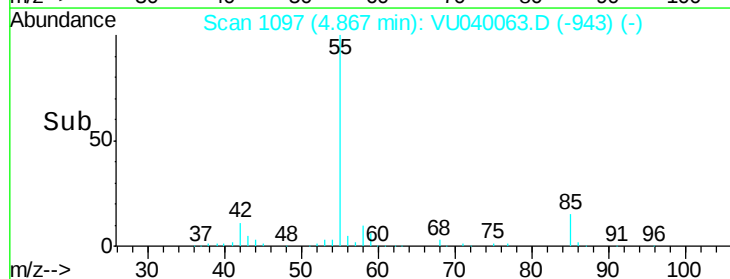
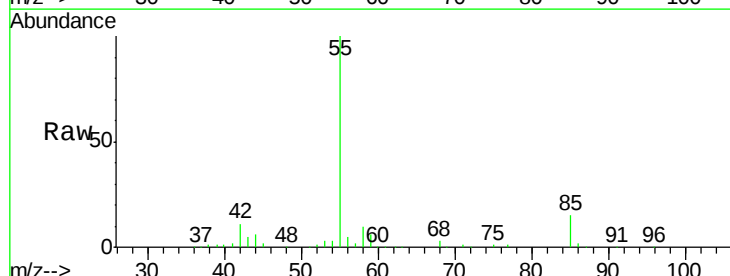
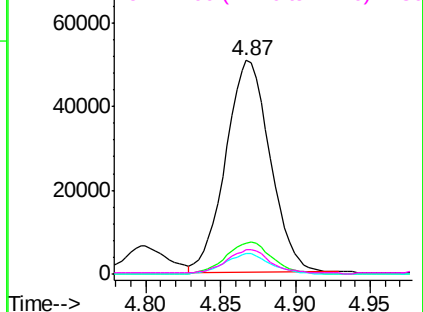
Abundance

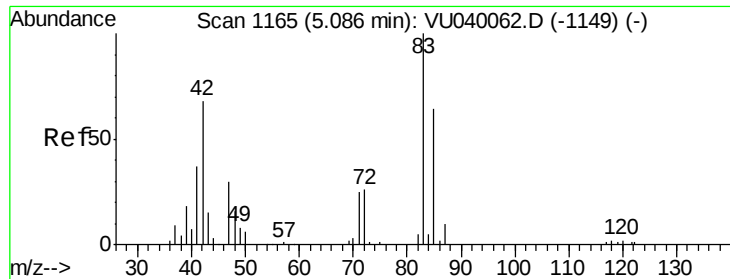
Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0



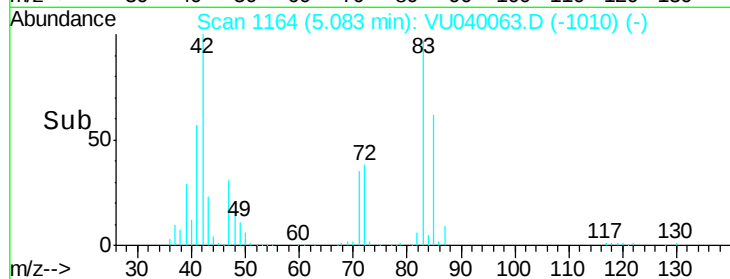
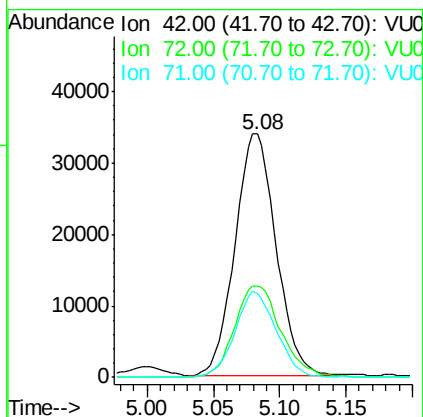
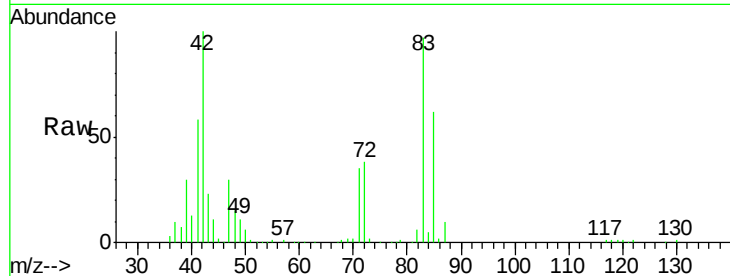


#41
Tetrahydrofuran
Concen: 25.227 ug/l
RT: 5.08 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

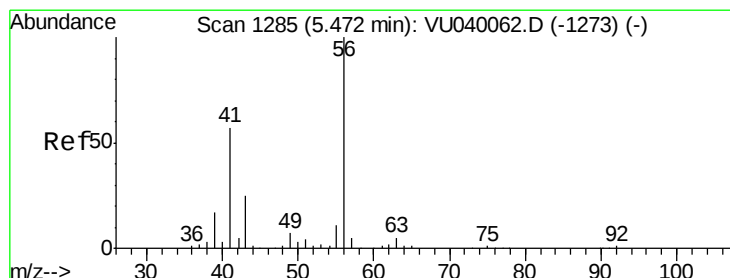
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.8	50.6
71	35.7	30.9	46.3

Manual Integrations
APPROVED



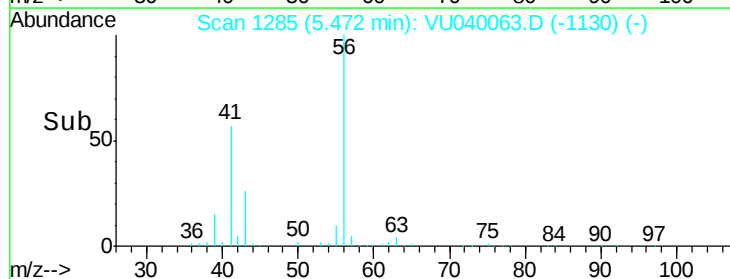
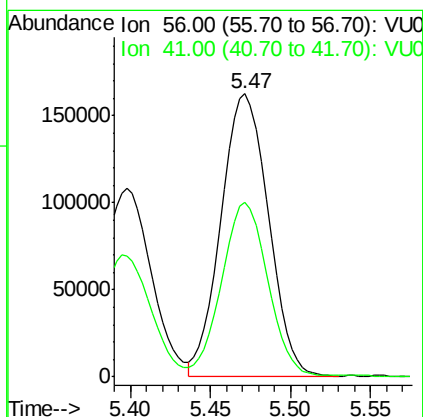
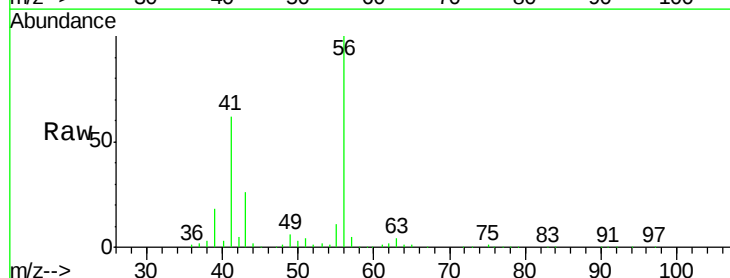
MMDadoda

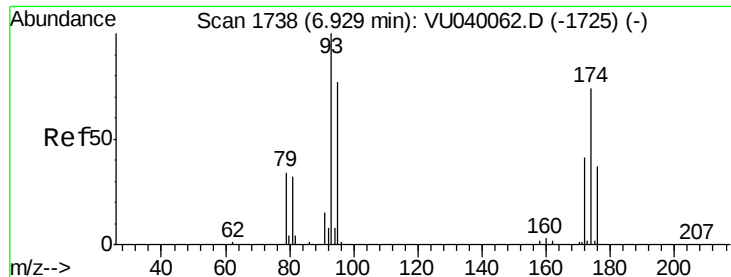
9/17/2020 4:47:22 PM



#42
1-Chlorobutane
Concen: 14.378 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
56	100		
41	59.9	29.2	87.6



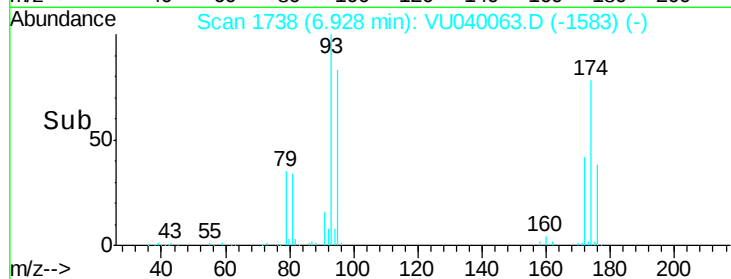
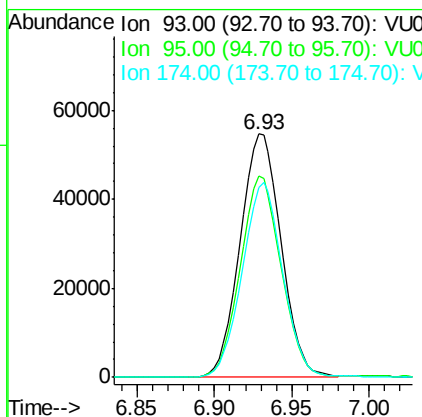
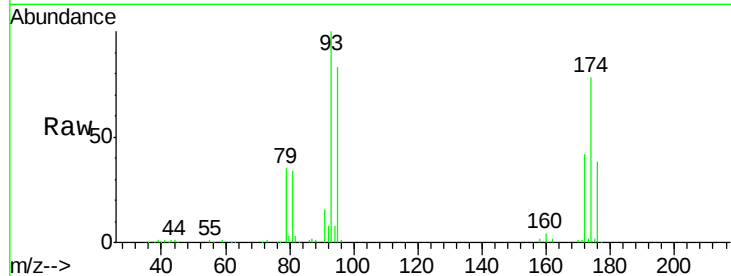


#43
Dibromomethane
Concen: 18.251 ug/l
RT: 6.93 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

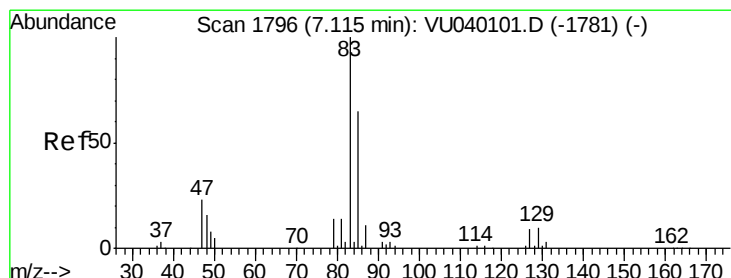
Tot Ion	Ratio	Resp	Lower	Upper
93	100	101241		
95	82.9	63.3	94.9	
174	78.8	63.5	95.3	

Manual Integrations
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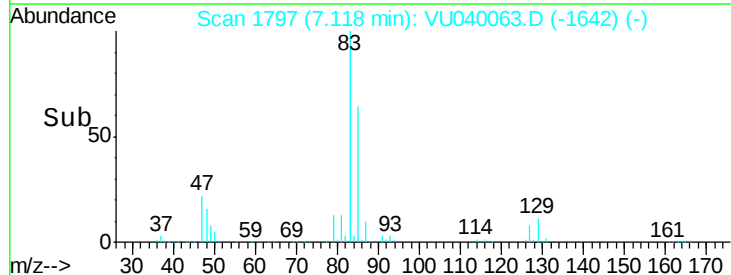
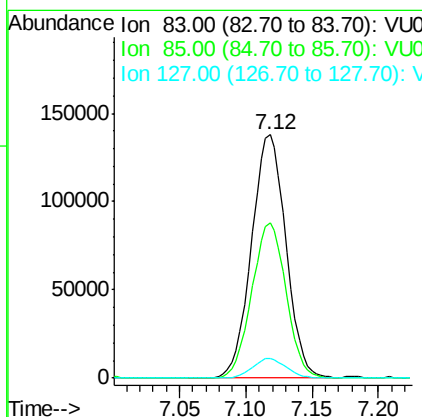
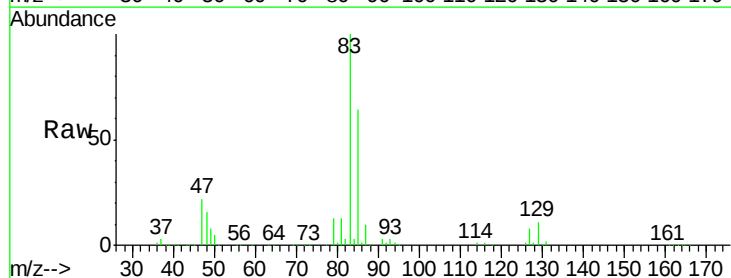
MMDadoda

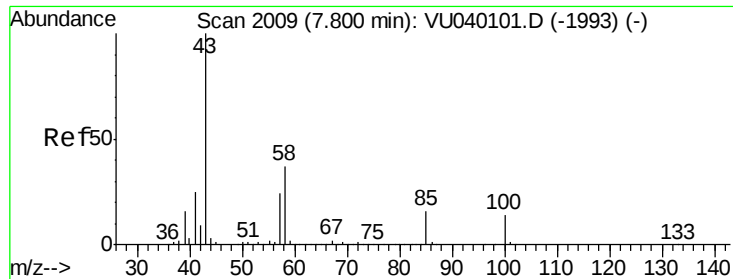
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#44
Bromodichloromethane
Concen: 19.671 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	249753		
85	63.6	52.1	78.1	
127	7.9	6.6	9.8	



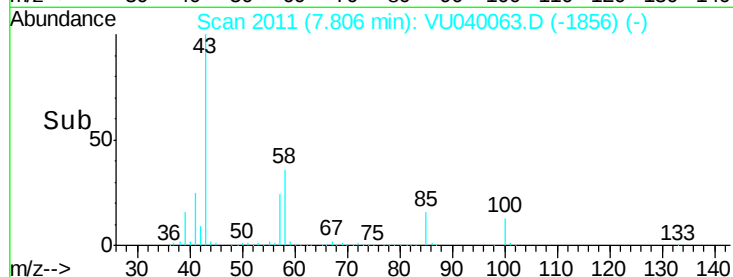
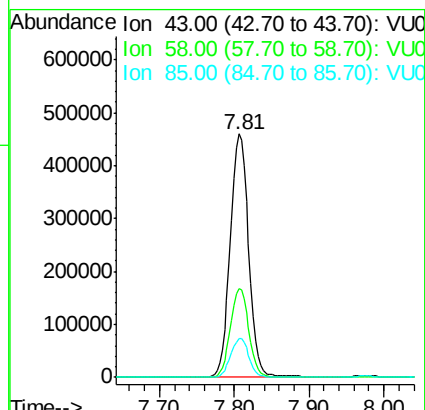
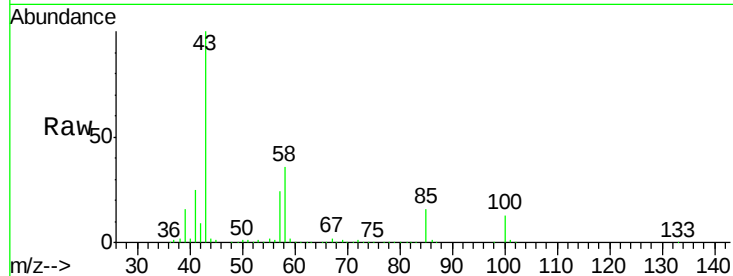


#45
4-Methyl-2-Pentanone
Concen: 95.002 ug/l
RT: 7.81 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

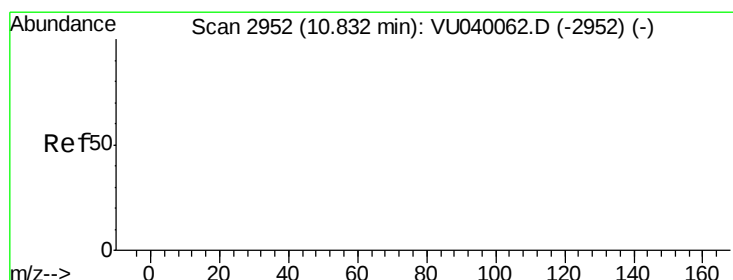
Tot Ion:	43	Resp:	784956
Ion	Ratio	Lower	Upper
43	100		
58	36.5	18.1	54.3
85	15.7	12.3	18.5

Manual Integrations
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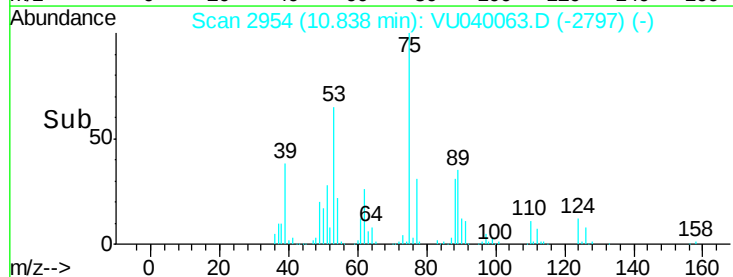
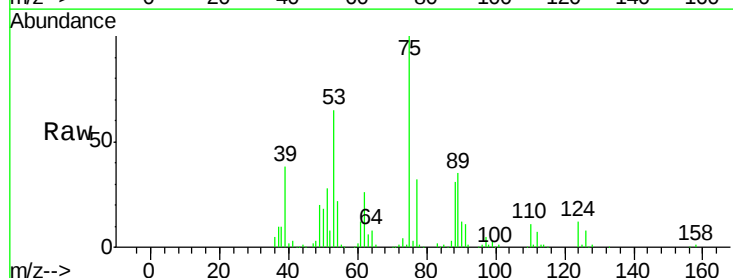
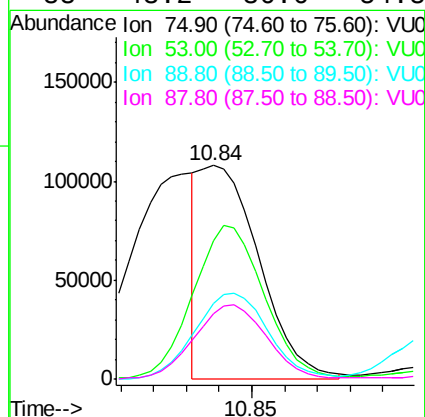
MMDadoda

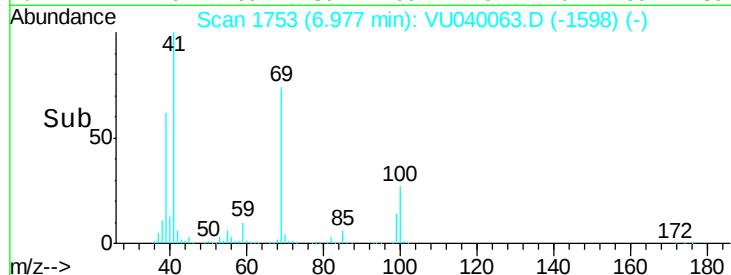
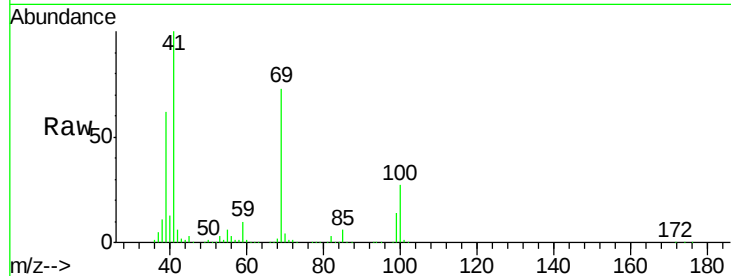
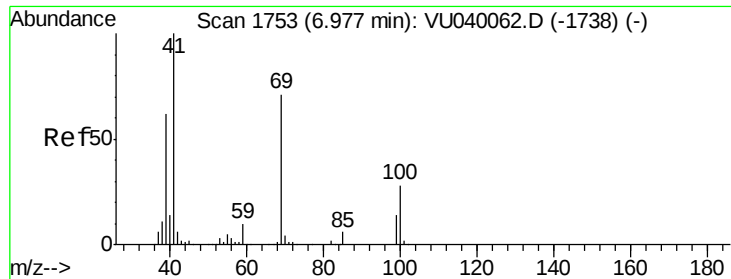
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#46
t-1,4-Dichloro-2-butene
Concen: 51.911 ug/l m
RT: 10.84 min Scan# 2954
Delta R.T. 0.01 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

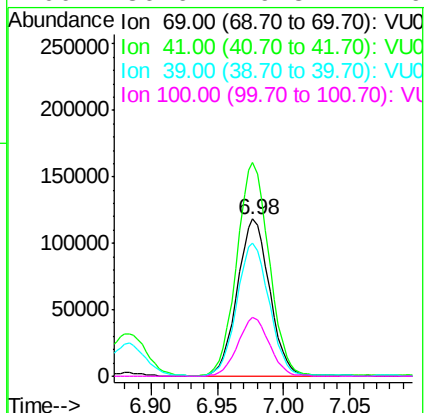
Tgt Ion:	75	Resp:	135976
Ion	Ratio	Lower	Upper
75	100		
53	87.0	75.0	112.6
89	50.2	41.6	62.4
88	43.2	36.6	54.8





#47
Methyl methacrylate
Concen: 39.486 ug/l
RT: 6.98 min Scan# 1753
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	135.1	0.0	273.0		
39	84.6	67.8	101.6		
100	36.6	29.8	44.6		

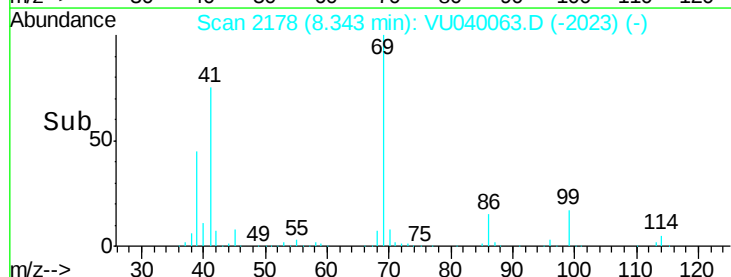
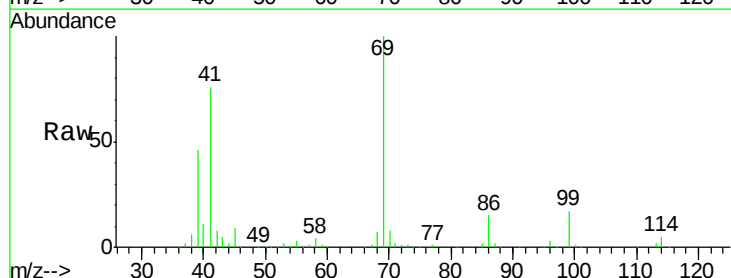
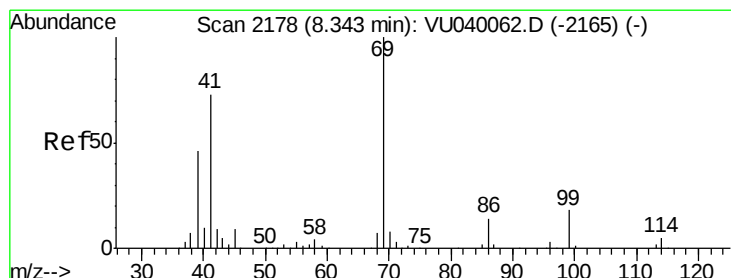


Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Manual Integrations
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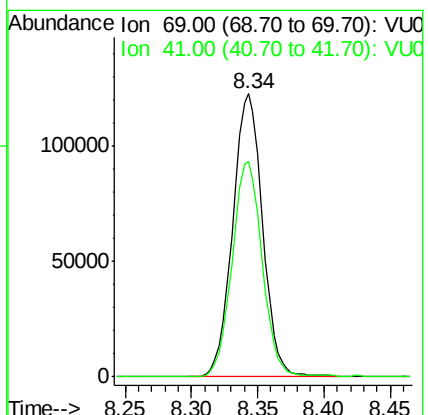
MMDadoda

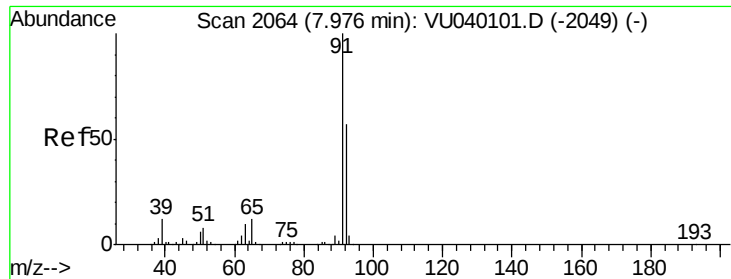
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#48
Ethyl methacrylate
Concen: 20.437 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	76.2	37.8	113.3		





#49

Toluene

Concen: 18.510 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 92 Resp: 404267

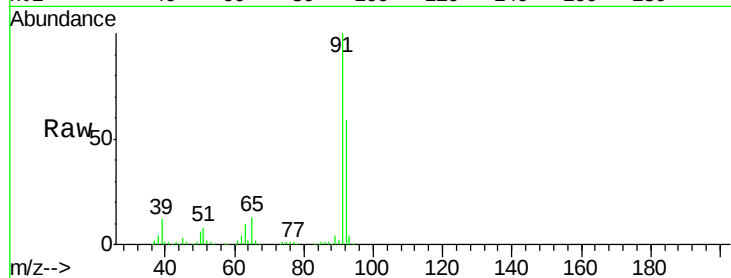
Ion Ratio Lower Upper

92 100

91 169.5 138.6 207.8

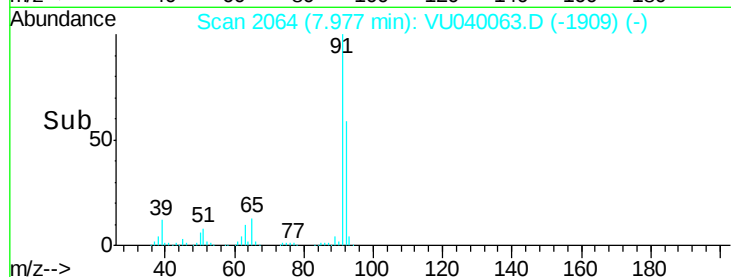
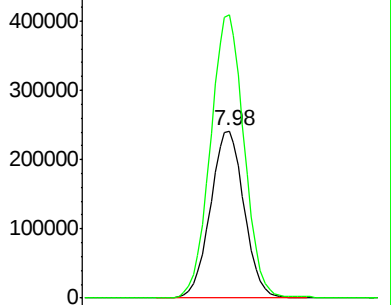
Manual Integrations

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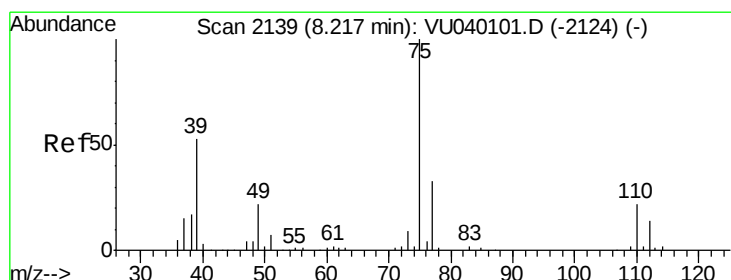
Abundance Ion 92.00 (91.70 to 92.70): VU040063.D (-1909) (-)

Ion 91.00 (90.70 to 91.70): VU040063.D (-1909) (-)



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#50

t-1,3-Dichloropropene

Concen: 21.631 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040063.D

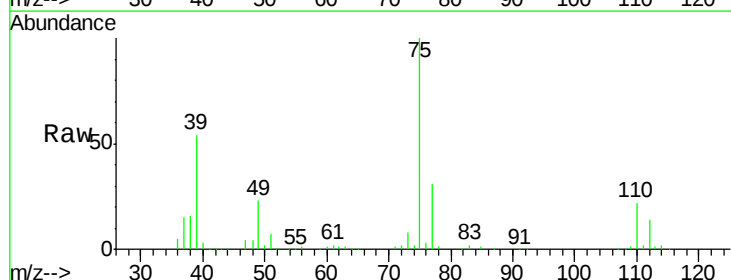
Acq: 09 Sep 2020 12:59

Tgt Ion: 75 Resp: 247308

Ion Ratio Lower Upper

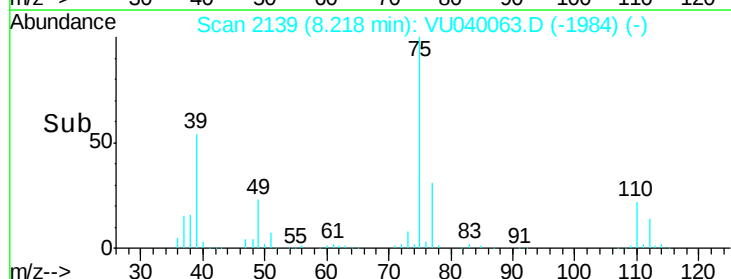
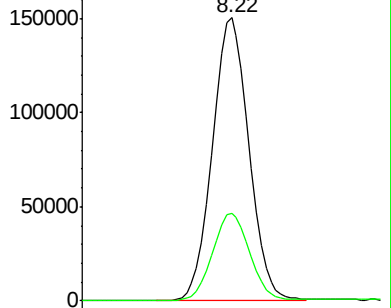
75 100

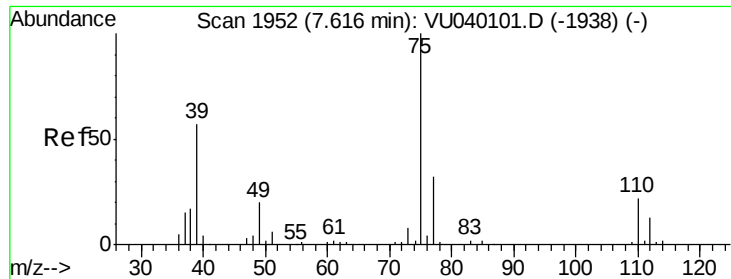
77 31.2 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU040063.D (-1984) (-)

Ion 77.00 (76.70 to 77.70): VU040063.D (-1984) (-)





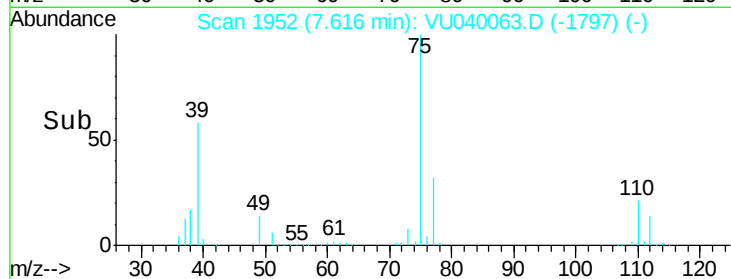
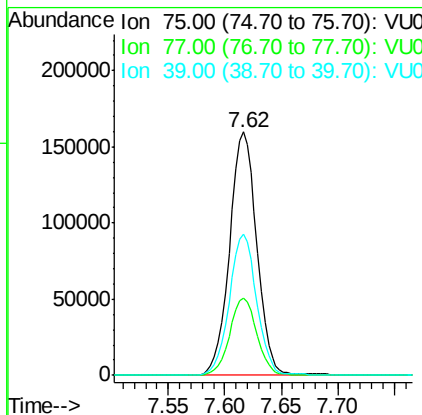
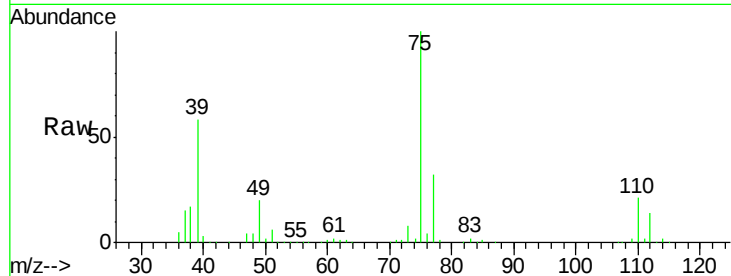
#51

cis-1,3-Dichloropropene
Concen: 20.062 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

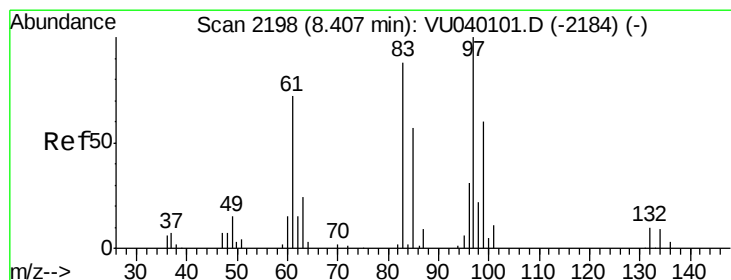
Tot Ion:	75	Resp:	268481
Ion Ratio	Lower	Upper	
75	100		
77	31.7	24.6	37.0
39	57.9	46.2	69.4

Manual Integrations
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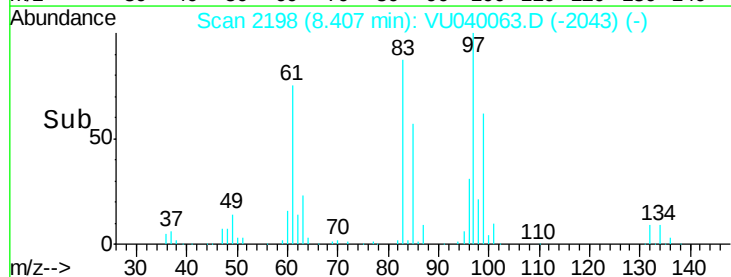
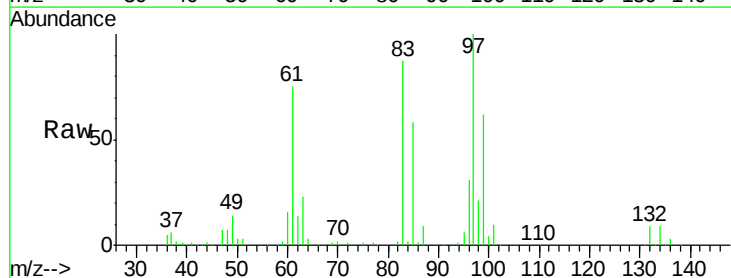
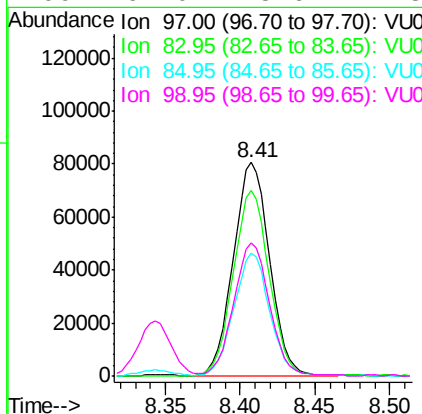
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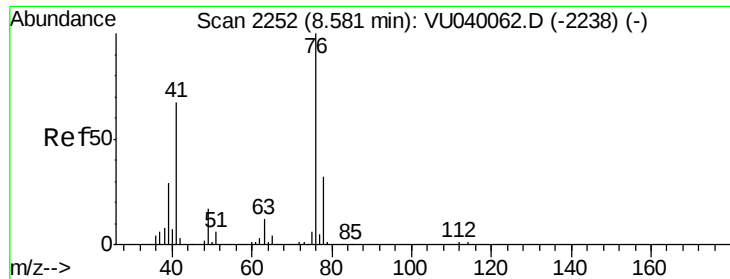


#52

1,1,2-Trichloroethane
Concen: 18.962 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion:	97	Resp:	136311
Ion Ratio	Lower	Upper	
97	100		
83	86.7	68.7	103.1
85	57.1	46.7	70.1
99	62.0	48.6	72.8



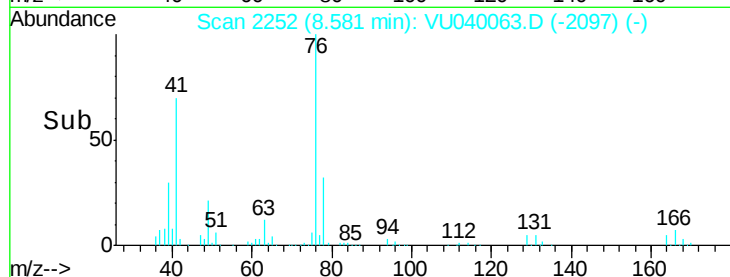
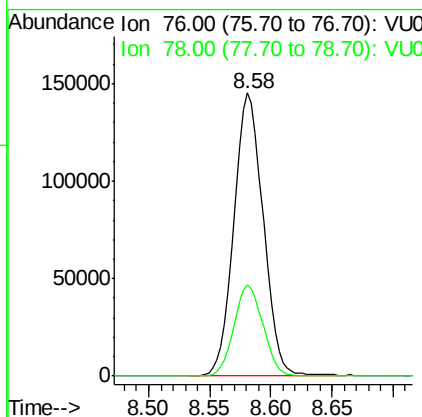
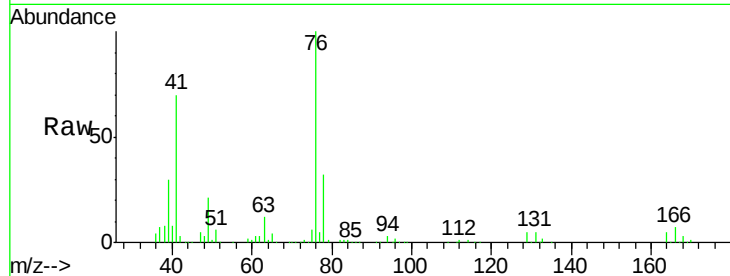


#53
1,3-Dichloropropane
Concen: 17.758 ug/l
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

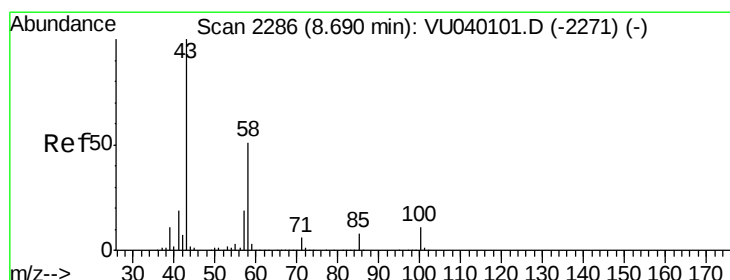
Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.2

Manual Integrations
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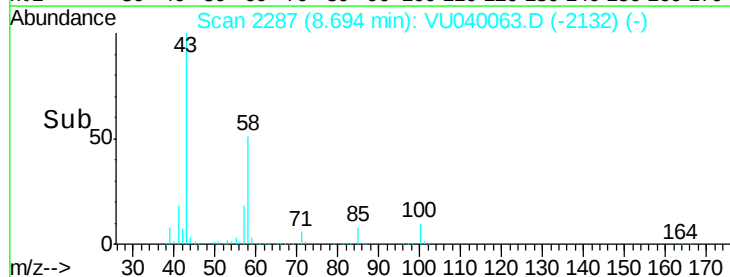
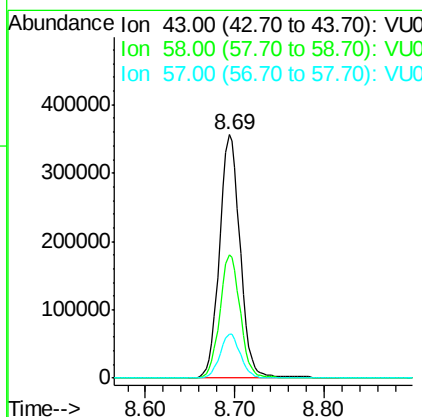
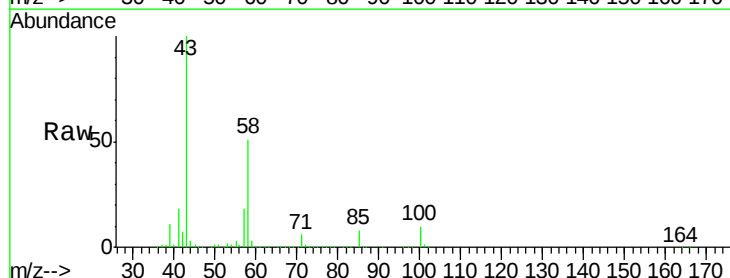
MMDadoda

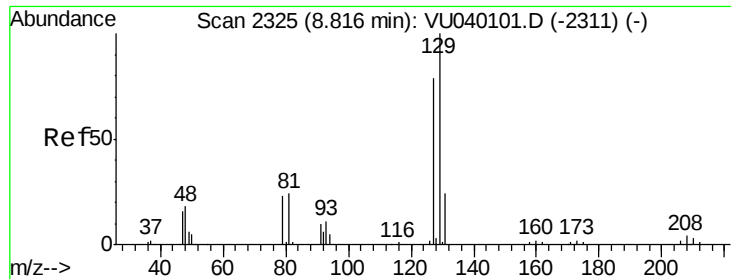
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#54
2-Hexanone
Concen: 96.449 ug/l
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.9	29.6	69.6
57	18.0	0.0	37.8



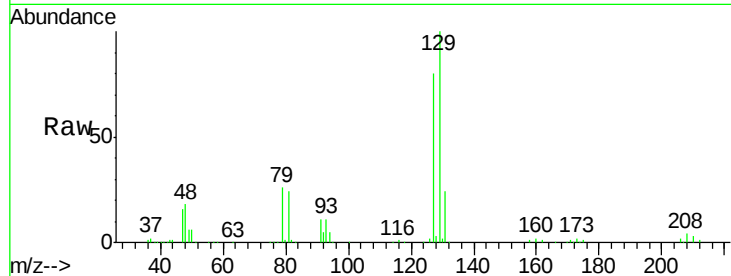


#55
Dibromochloromethane
Concen: 21.397 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

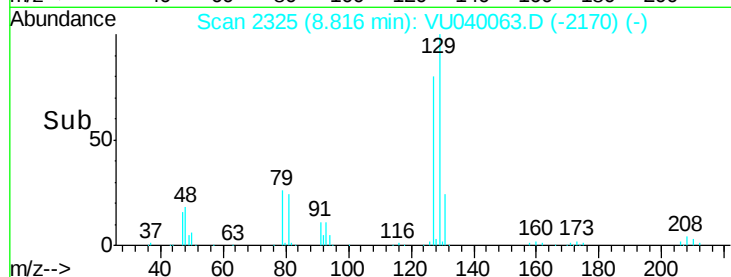
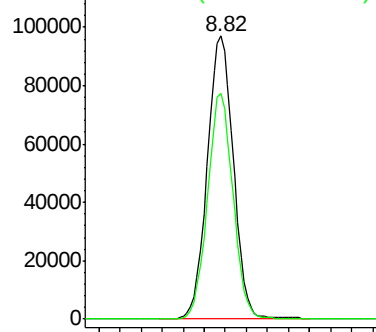
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.8	62.7	94.1

Manual Integrations
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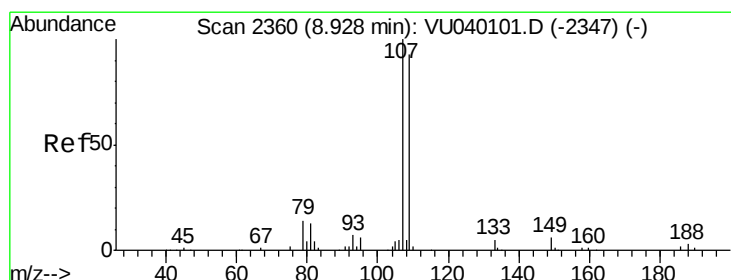


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



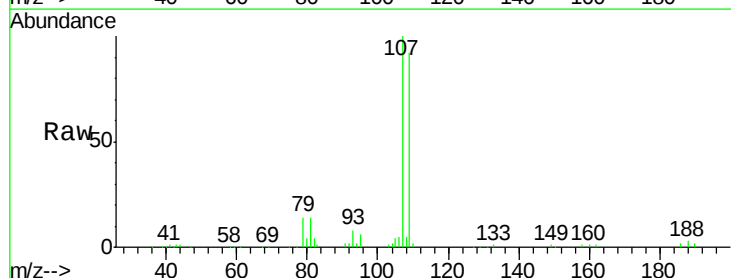
MMDadoda

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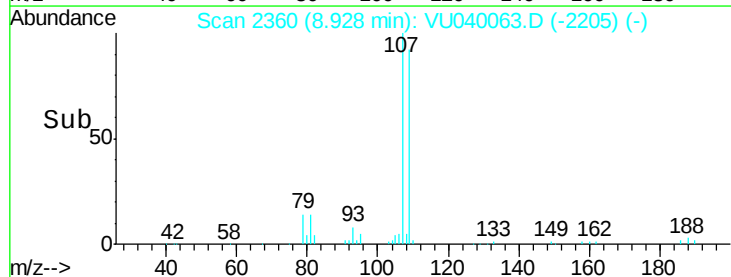
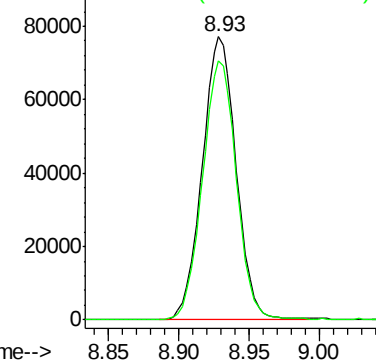


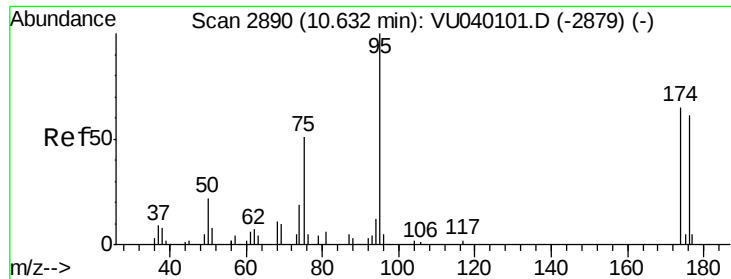
#56
1,2-Dibromoethane
Concen: 18.898 ug/l
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.8	0.0	191.0



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



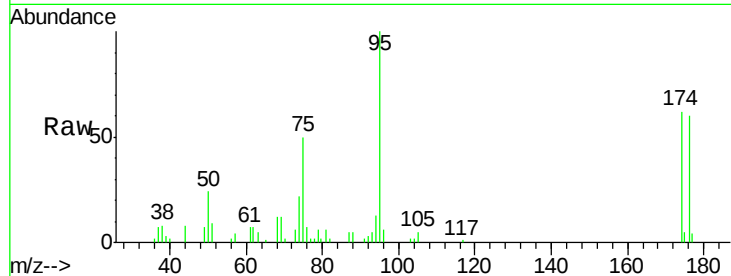


#57
4-Bromofluorobenzene
Concen: 1.006 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
95	100	11916		
174	68.6	49.4	74.0	
176	62.3	50.1	75.1	

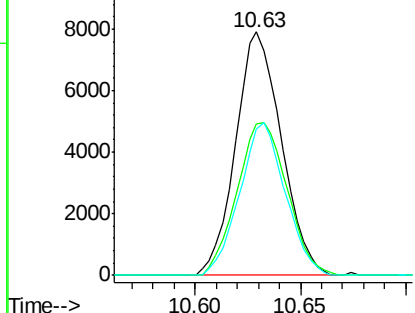
Manual Integrations
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Abundance Ion 95.00 (94.70 to 95.70): VU040063.D (-2579) (-)

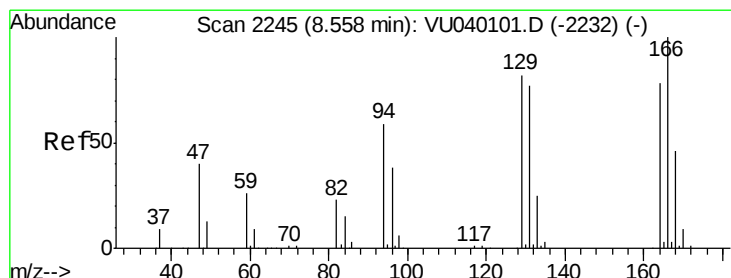
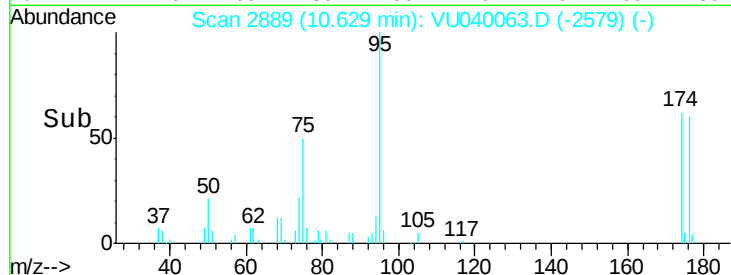
Ion 174.00 (173.70 to 174.70): VU040063.D (-2579) (-)

Ion 176.00 (175.70 to 176.70): VU040063.D (-2579) (-)



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#58
Tetrachloroethene
Concen: 20.105 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

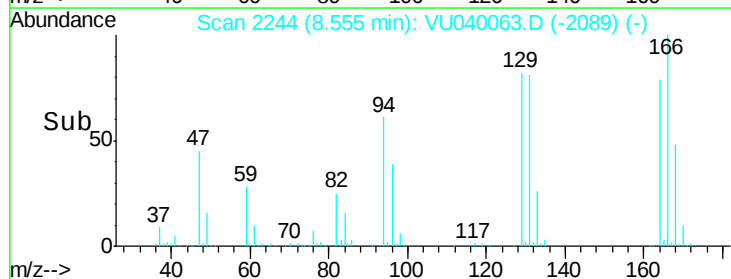
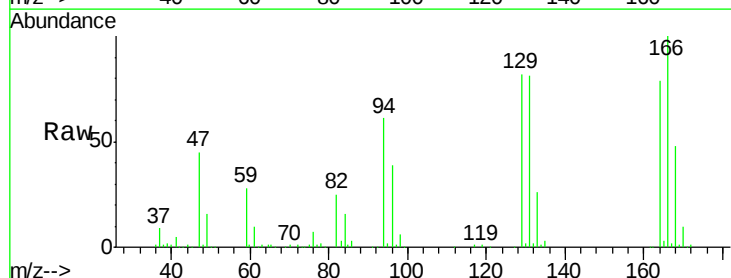
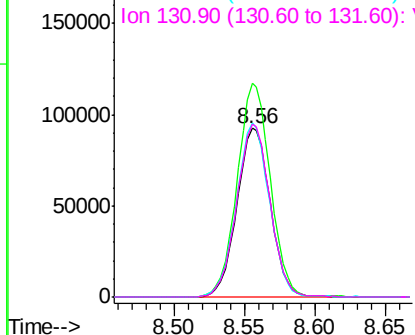
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	153187		
166	126.6	101.3	151.9	
129	103.5	84.8	127.2	
131	102.2	81.8	122.6	

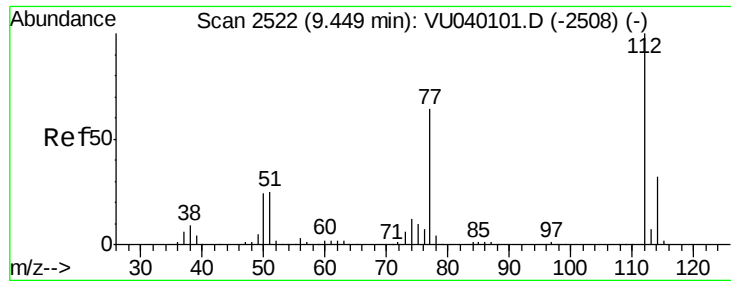
Abundance Ion 163.85 (163.55 to 164.55): VU040063.D (-2089) (-)

Ion 165.80 (165.50 to 166.50): VU040063.D (-2089) (-)

Ion 128.90 (128.60 to 129.60): VU040063.D (-2089) (-)

Ion 130.90 (130.60 to 131.60): VU040063.D (-2089) (-)



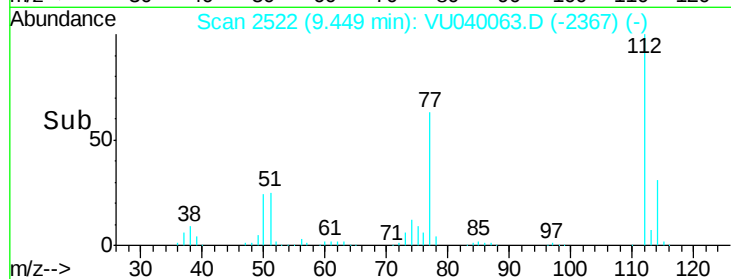
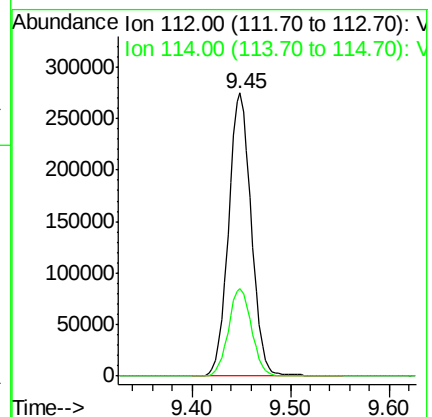
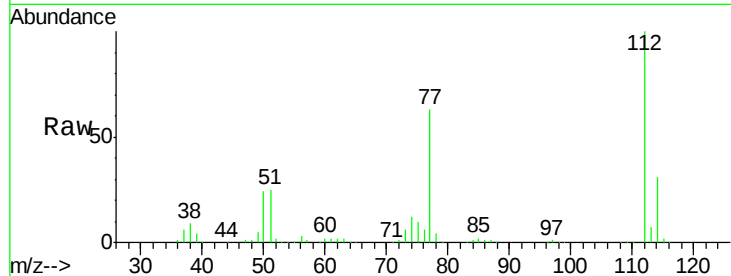


#59
Chlorobenzene
Concen: 19.345 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

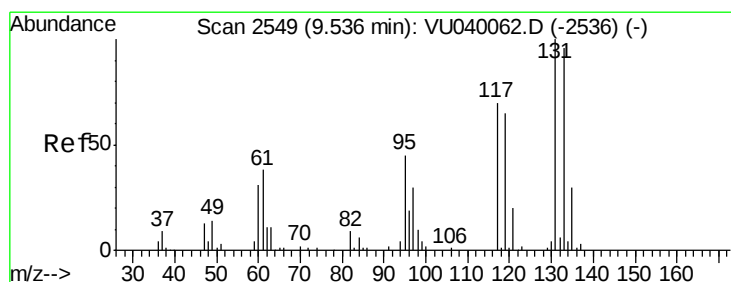
Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	24.8	37.2

Manual Integrations
APPROVED



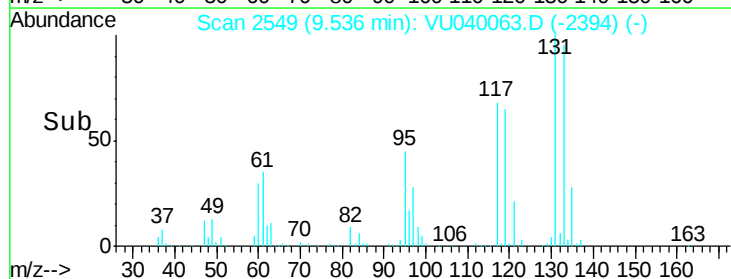
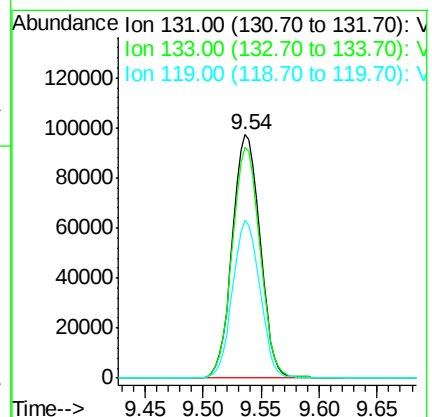
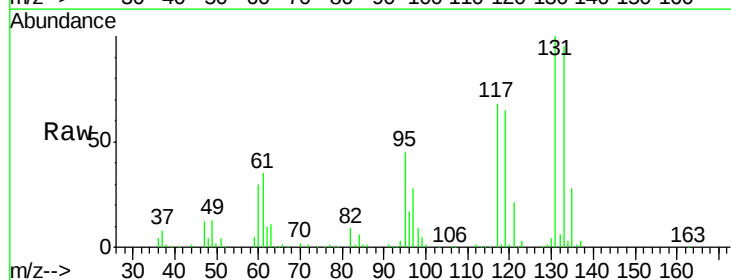
MMDadoda

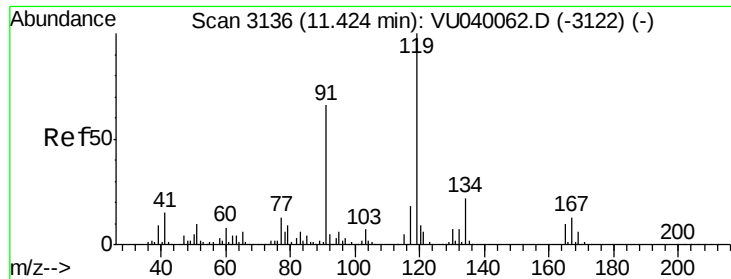
9/17/2020 4:47:22 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 20.742 ug/l
RT: 9.54 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.4	113.2
119	63.6	51.5	77.3



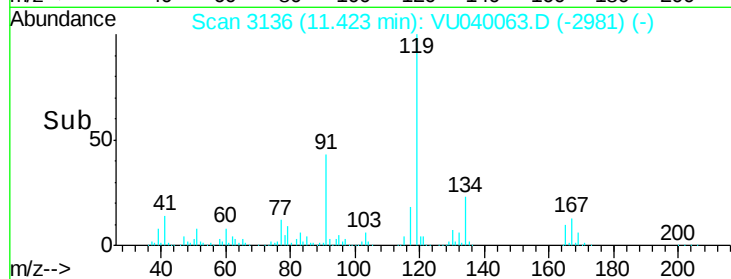
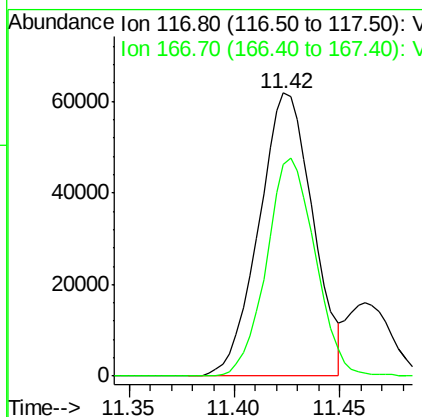
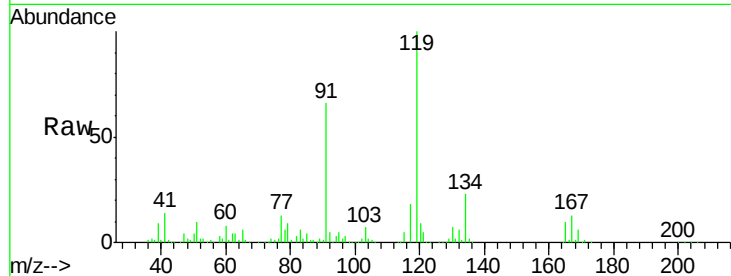


#61
 Pentachloroethane
 Concen: 16.838 ug/l
 RT: 11.42 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

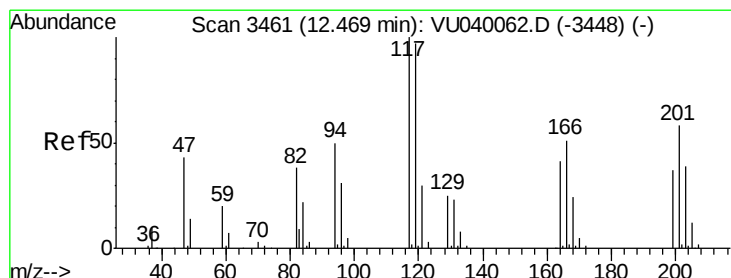
Tot Ion	Ratio	Lower	Upper
117	100		
167	69.7	54.5	81.7

Manual Integrations
 APPROVED



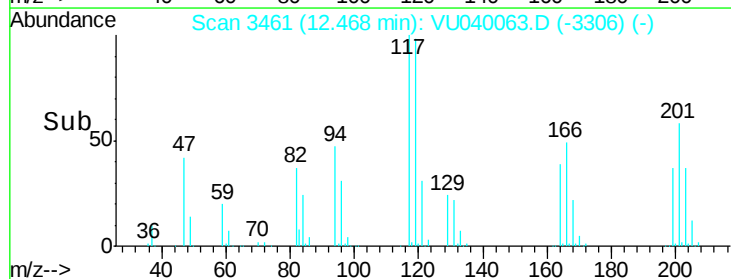
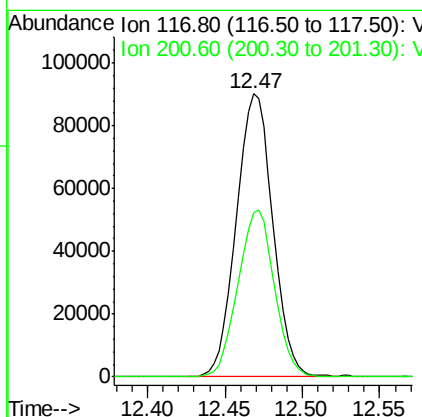
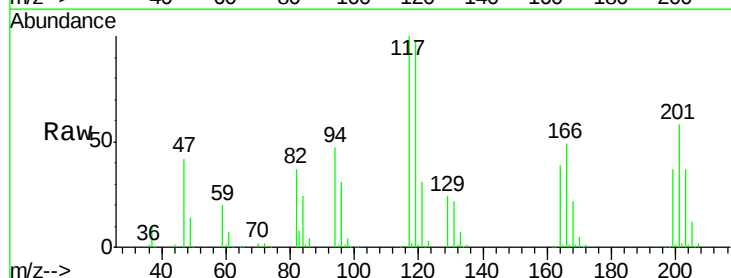
MMDadoda

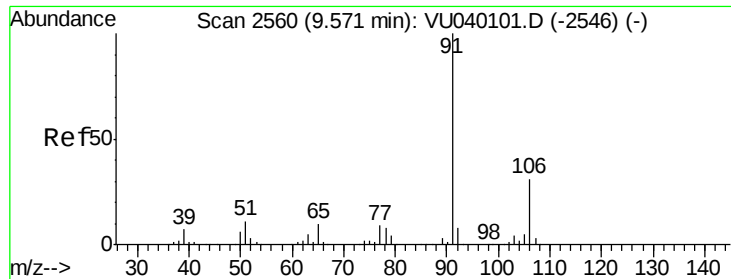
9/17/2020 4:47:22 PM



#62
 Hexachloroethane
 Concen: 23.455 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.2	47.0	70.4



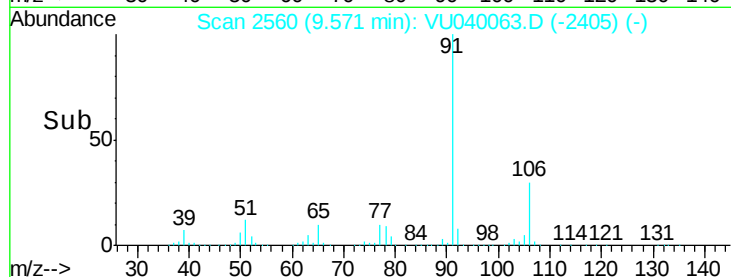
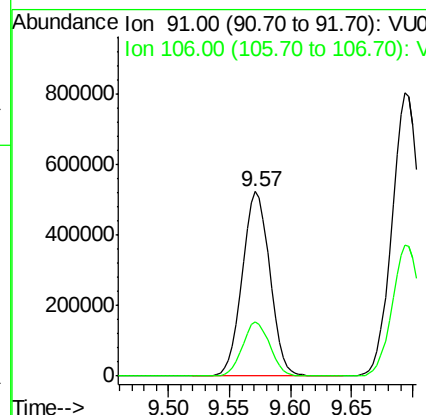
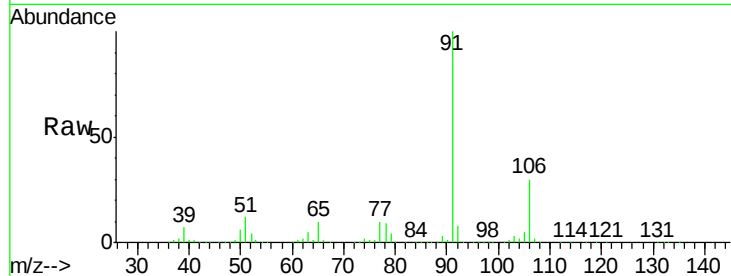


#63
Ethyl Benzene
Concen: 20.137 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

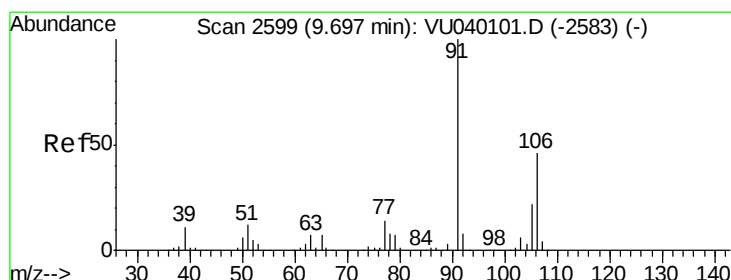
Tot Ion: 91 Resp: 817869
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.8

Manual Integrations
APPROVED



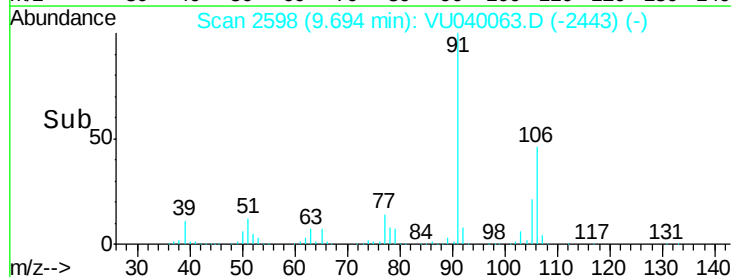
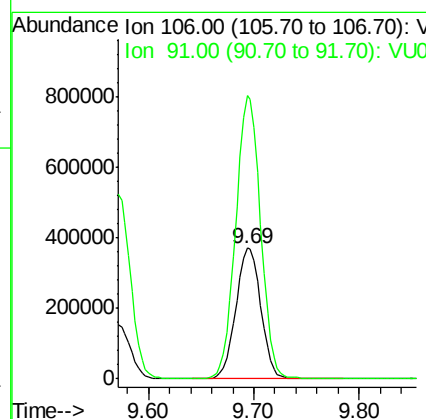
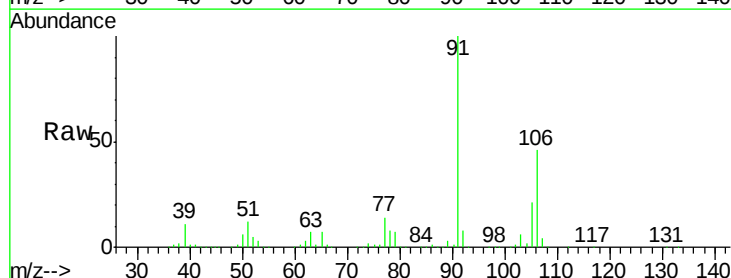
MMDadoda

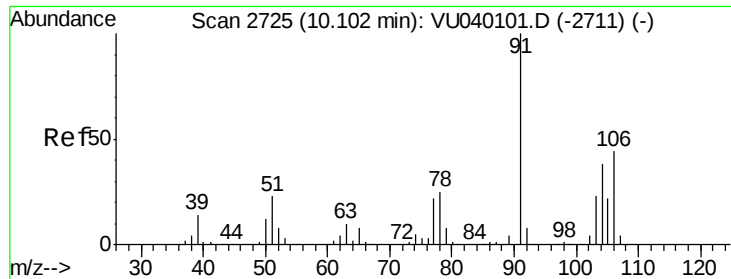
9/17/2020 4:47:22 PM



#64
m/p-Xylenes
Concen: 38.240 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion: 106 Resp: 603890
Ion Ratio Lower Upper
106 100
91 215.2 171.4 257.2



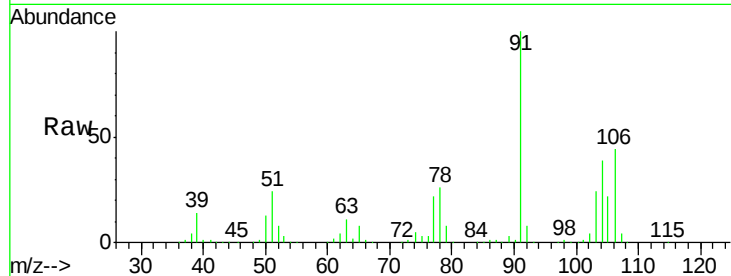


#65
o-Xylene
Concen: 19.179 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

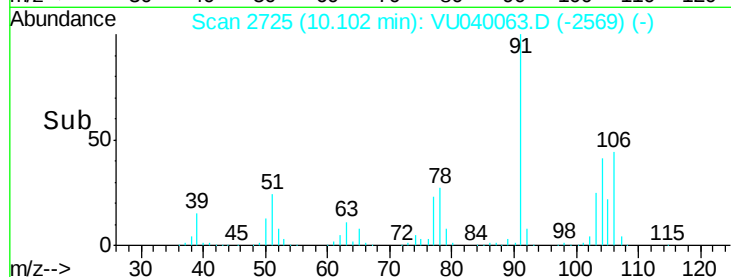
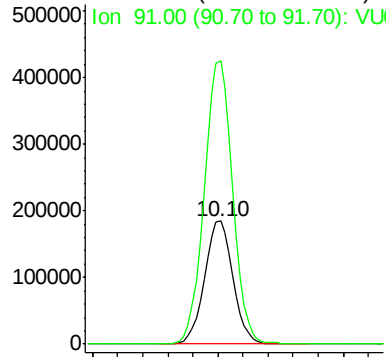
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	232.1	114.2	342.6

Manual Integrations
APPROVED

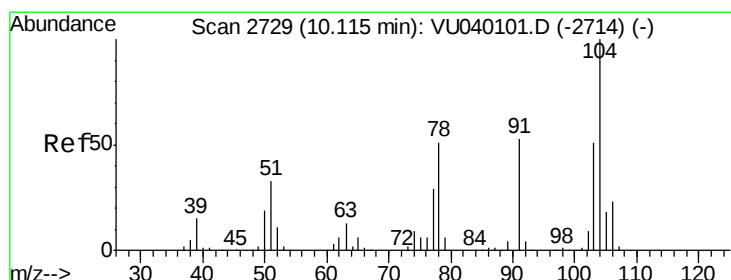


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



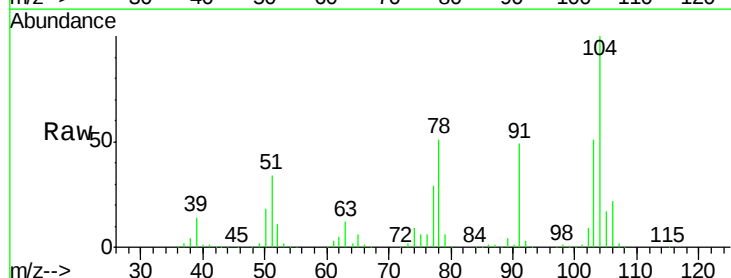
MMDadoda

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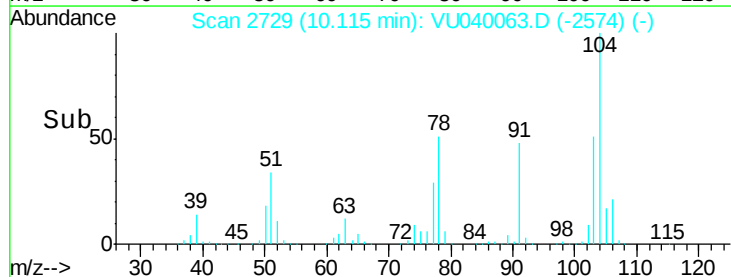
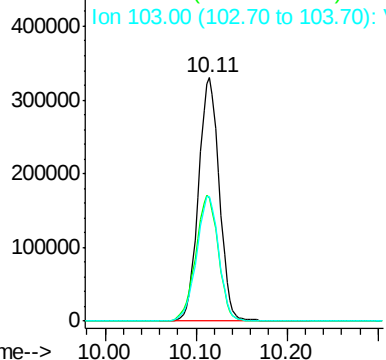


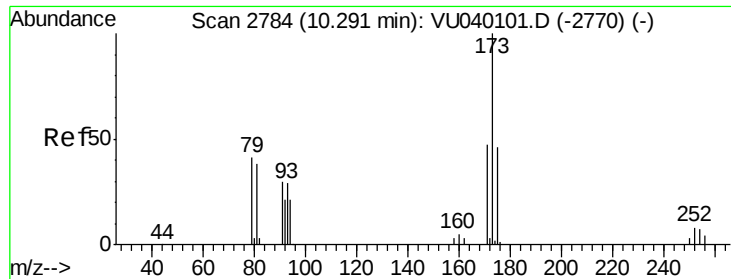
#66
Styrene
Concen: 20.301 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.1	43.9	65.9
103	54.6	43.7	65.5



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: 23.030 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 91349

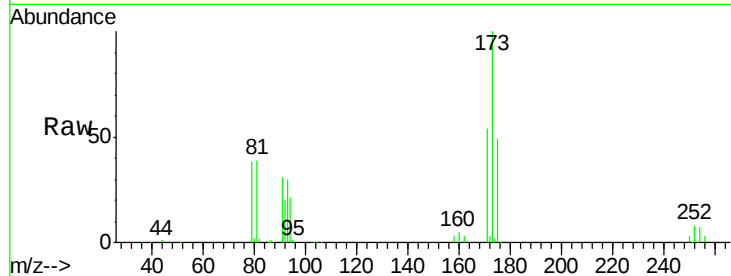
Ion Ratio Lower Upper

173 100

175 48.3 38.0 57.0

254 7.4 5.8 8.8

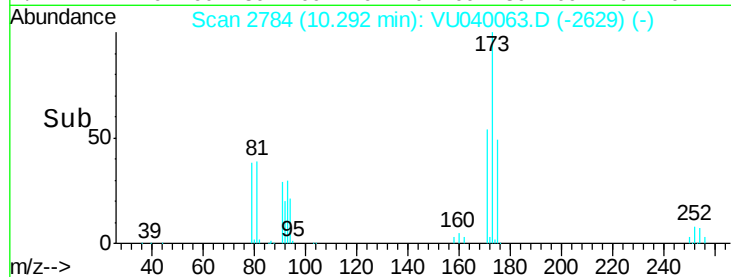
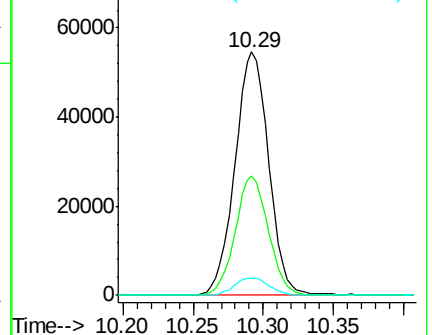
Manual Integrations
APPROVED



Abundance Ion 172.90 (172.60 to 173.60): V

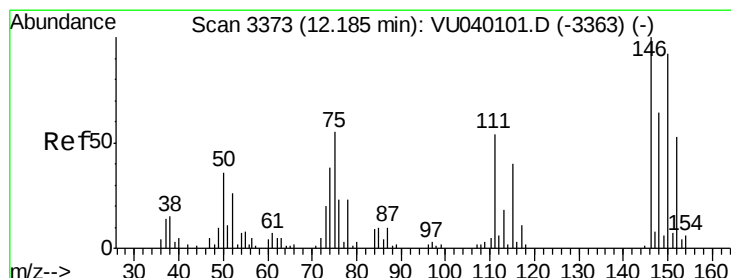
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 1.029 ug/l

RT: 12.19 min Scan# 3373

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

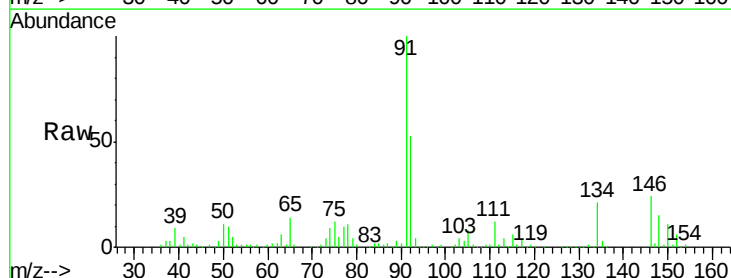
Tgt Ion:152 Resp: 11720

Ion Ratio Lower Upper

152 100

115 204.0 0.0 309.0

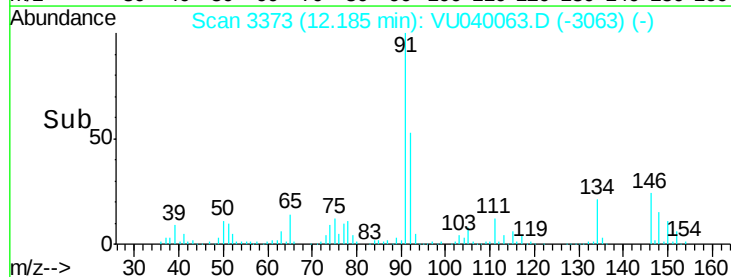
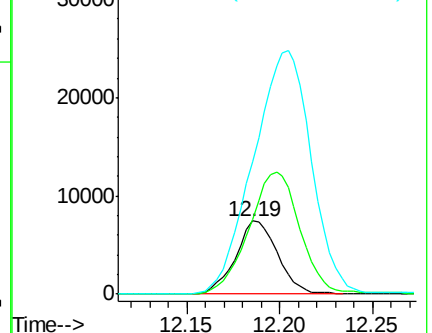
150 460.9 0.0 658.2

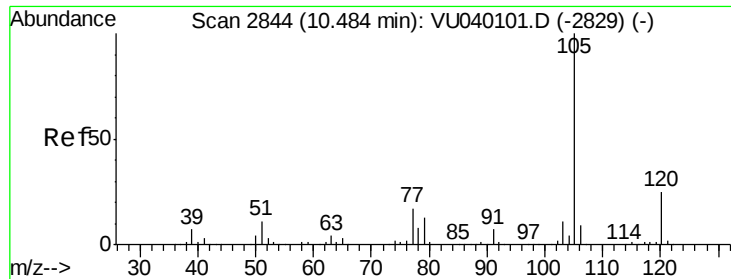


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 20.119 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

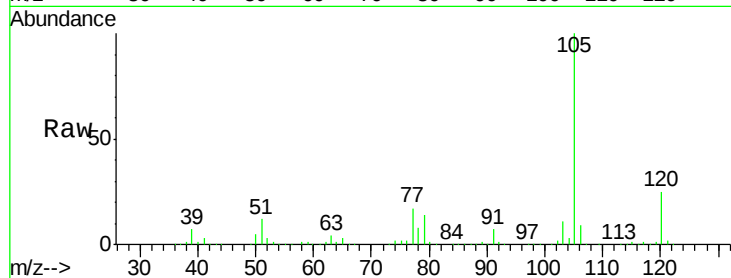
Tot Ion: 105 Resp: 810689

Ion Ratio Lower Upper

105 100

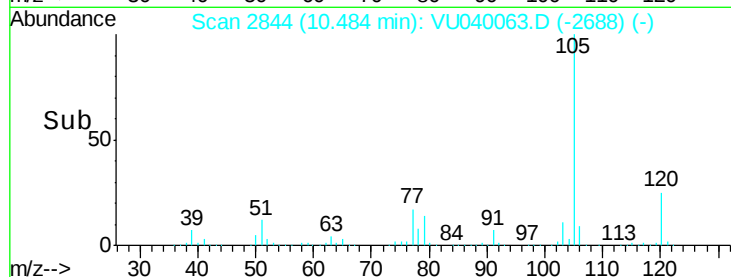
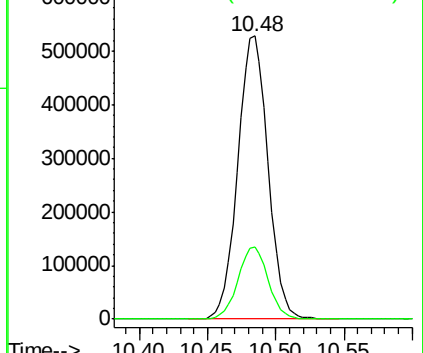
120 25.5 12.4 37.4

Manual Integrations
APPROVED



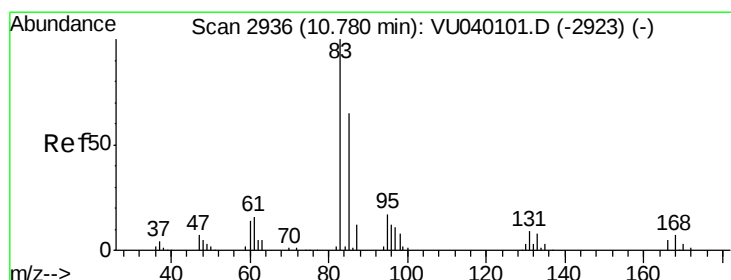
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#70

1,1,2,2-Tetrachloroethane

Concen: 18.563 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

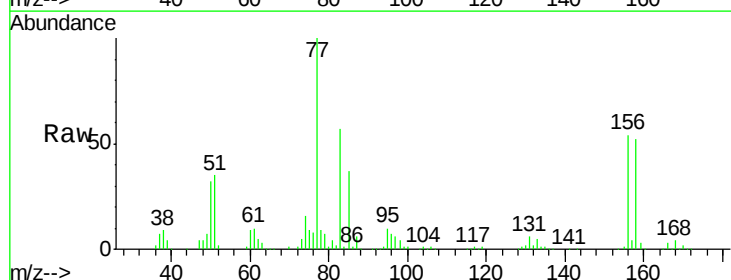
Tgt Ion: 83 Resp: 189224

Ion Ratio Lower Upper

83 100

131 9.3 7.5 11.3

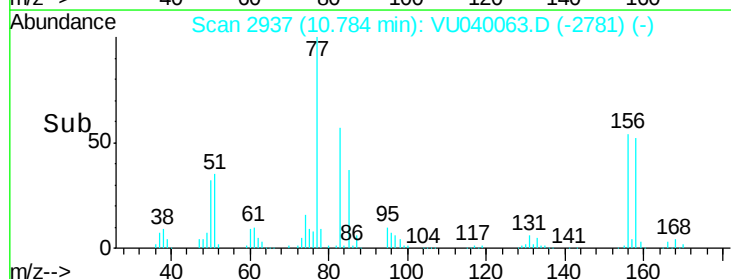
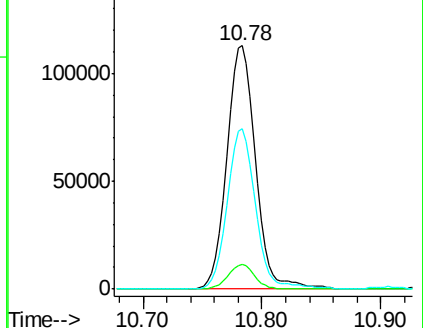
85 65.0 49.7 74.5

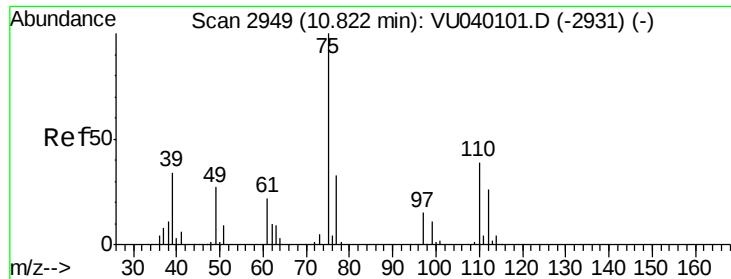


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



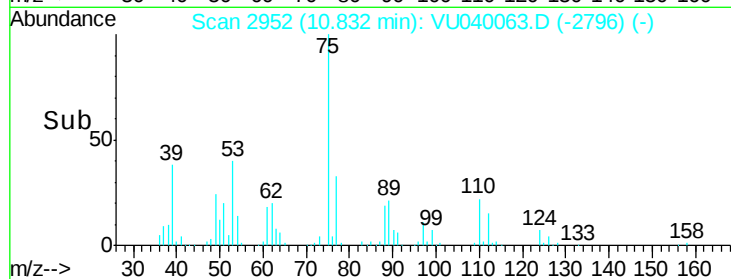
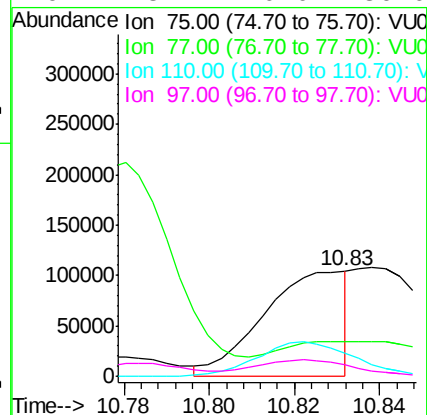
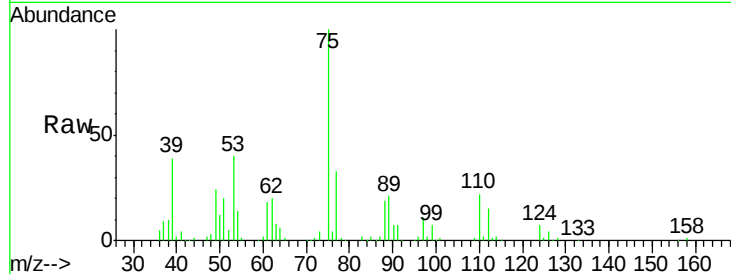


#71
1,2,3-Trichloropropane
Concen: 18.758 ug/l m
RT: 10.83 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

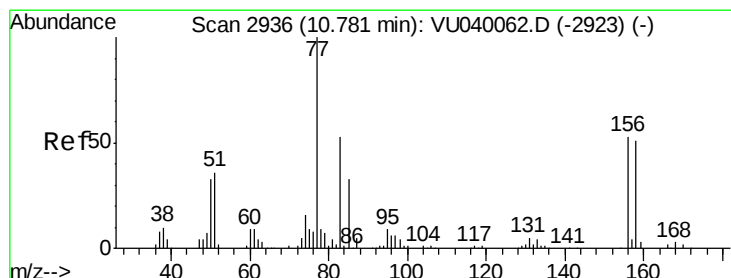
Tot Ion:	75	Resp:	141955
Ion	Ratio	Lower	Upper
75	100		
77	59.8	0.0	111.4
110	38.2	0.0	70.8
97	18.1	0.0	36.0

Manual Integrations
APPROVED



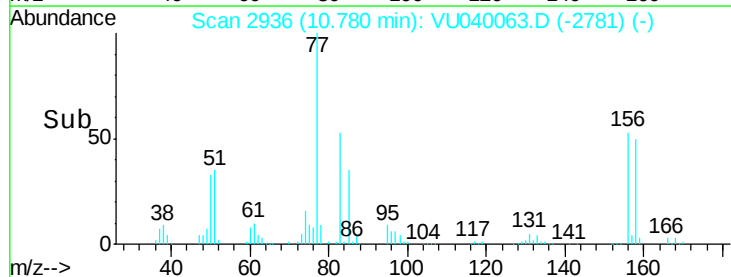
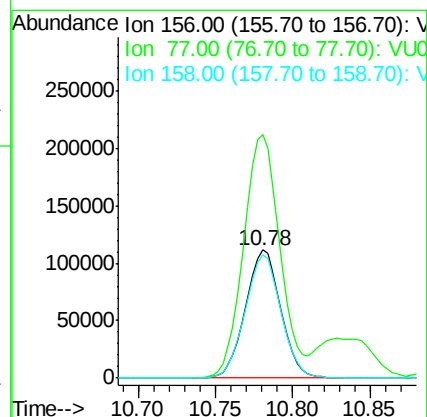
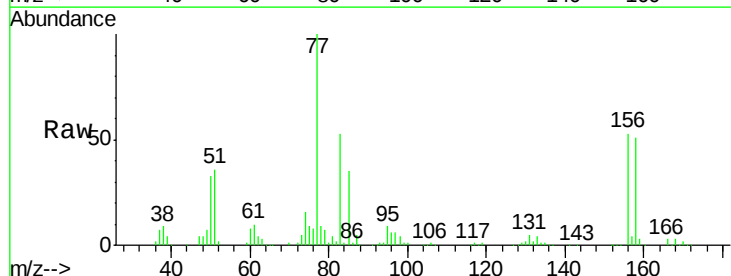
MMDadoda

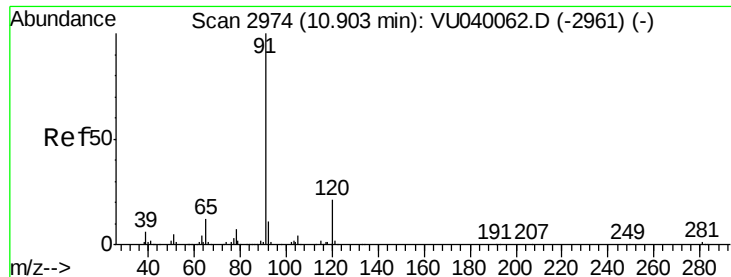
9/17/2020 4:47:22 PM



#72
Bromobenzene
Concen: 19.338 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion:	156	Resp:	177619
Ion	Ratio	Lower	Upper
156	100		
77	195.4	0.0	383.6
158	97.7	0.0	195.0





#73

n-propylbenzene

Concen: 19.656 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

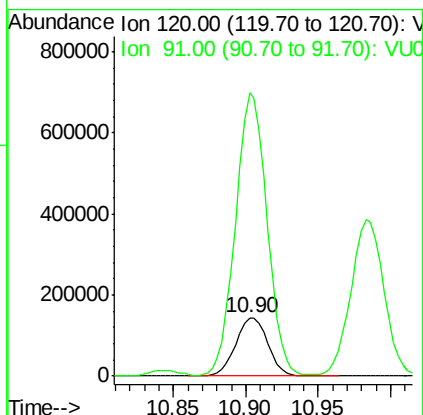
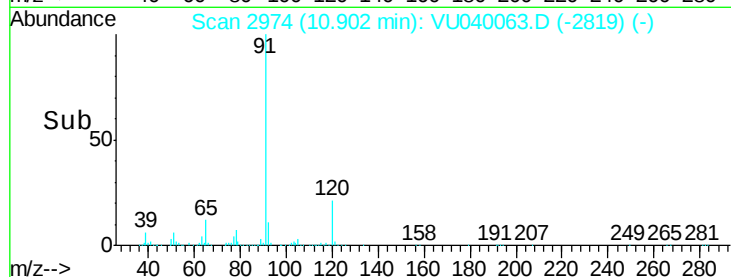
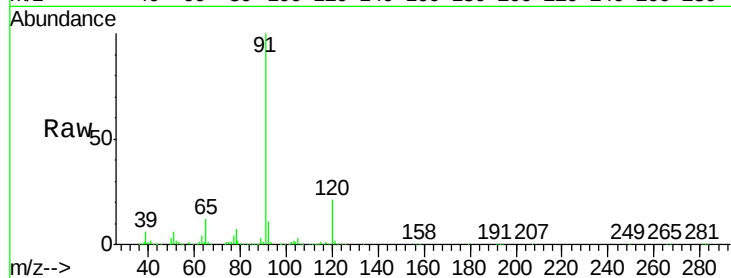
Tot Ion:120 Resp: 222260

Ion Ratio Lower Upper

120 100

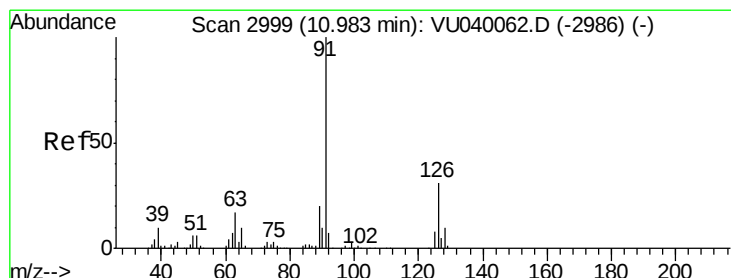
91 473.1 380.4 570.6

Manual Integrations
APPROVED



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#74

2-Chlorotoluene

Concen: 19.482 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040063.D

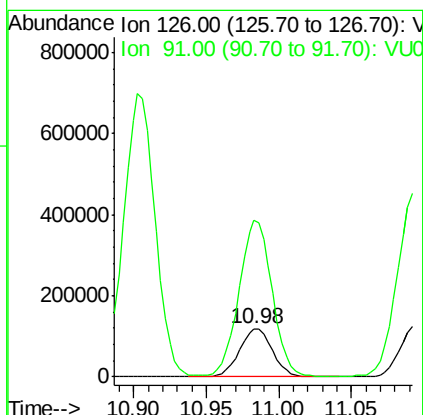
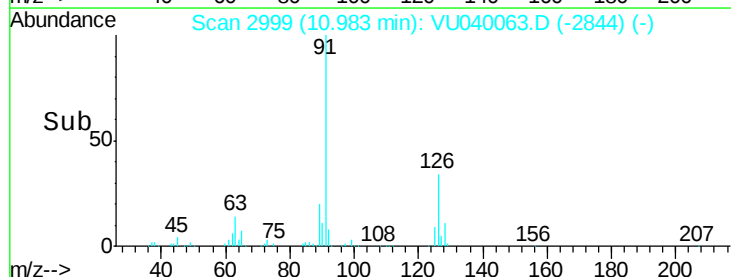
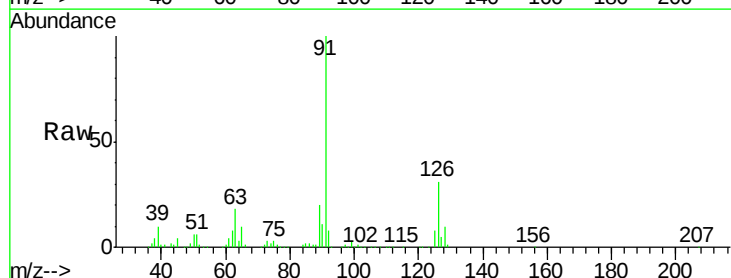
Acq: 09 Sep 2020 12:59

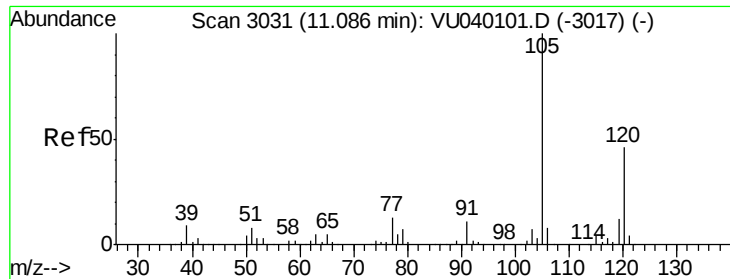
Tgt Ion:126 Resp: 187230

Ion Ratio Lower Upper

126 100

91 322.9 0.0 649.6



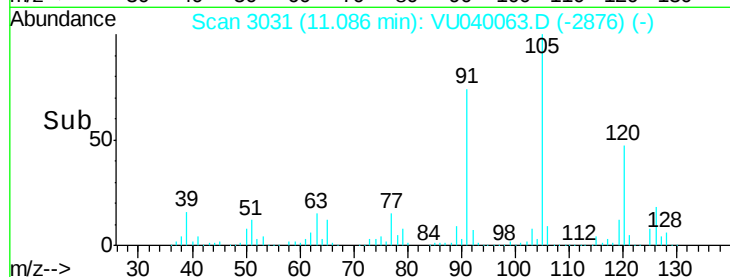
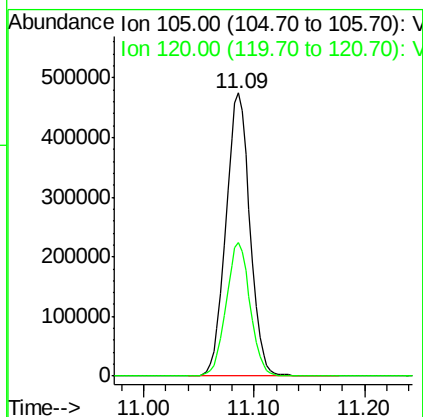
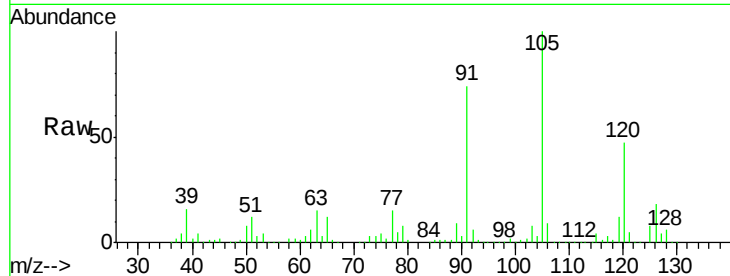


#75
 1,3,5-Trimethylbenzene
 Concen: 20.559 ug/l
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

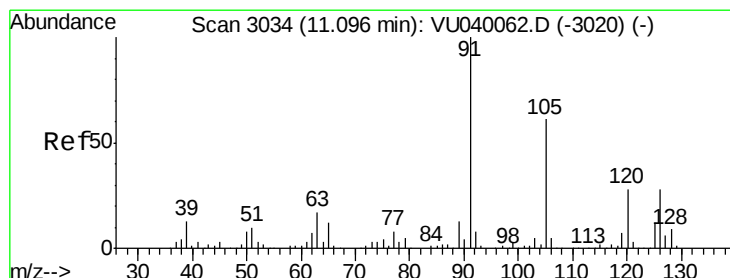
Tot Ion:105 Resp: 717111
 Ion Ratio Lower Upper
 105 100
 120 46.8 36.6 55.0

Manual Integrations
 APPROVED



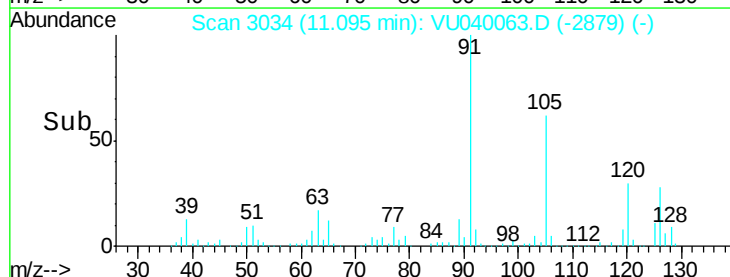
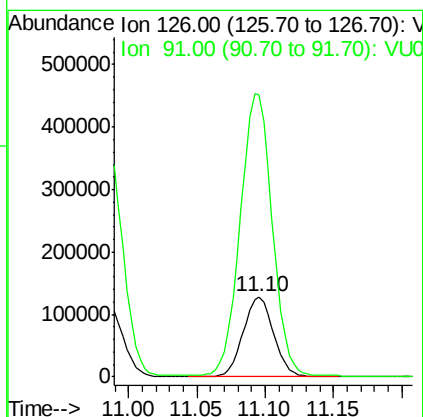
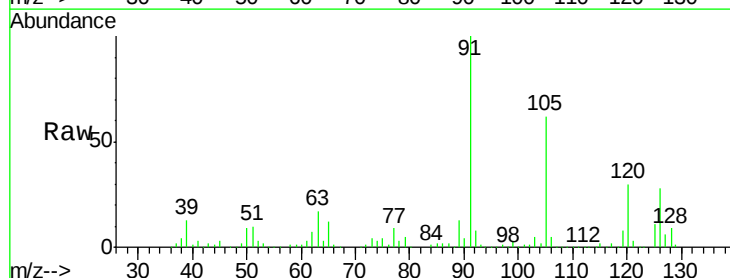
MMDadoda

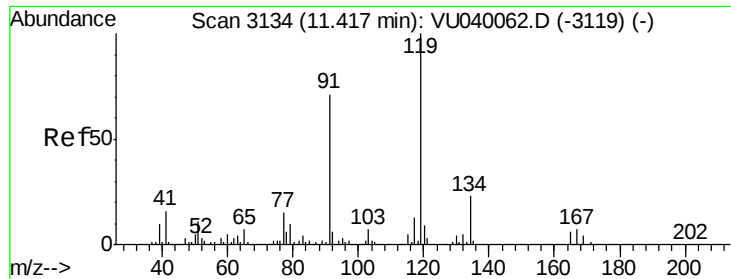
9/17/2020 4:47:22 PM



#76
 4-Chlorotoluene
 Concen: 19.840 ug/l
 RT: 11.10 min Scan# 3034
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Tgt Ion:126 Resp: 197952
 Ion Ratio Lower Upper
 126 100
 91 373.6 0.0 735.6



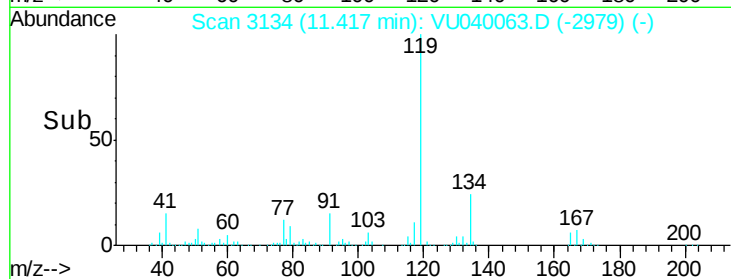
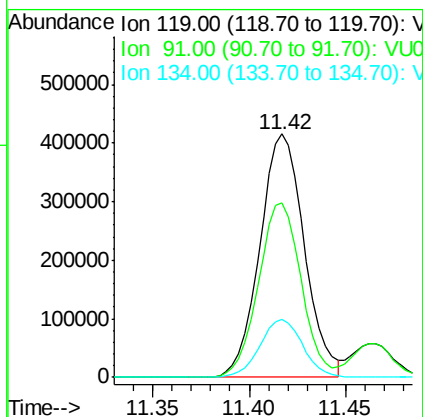
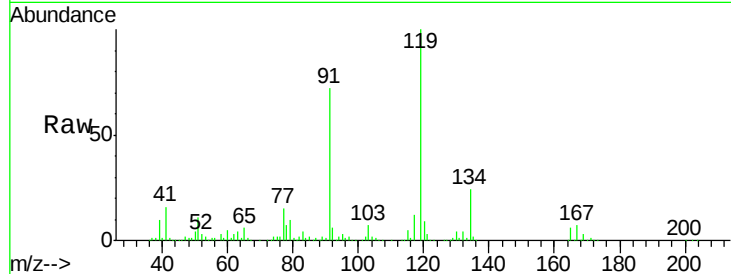


#77
tert-Butylbenzene
Concen: 20.034 ug/l
RT: 11.42 min Scan# 3134
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

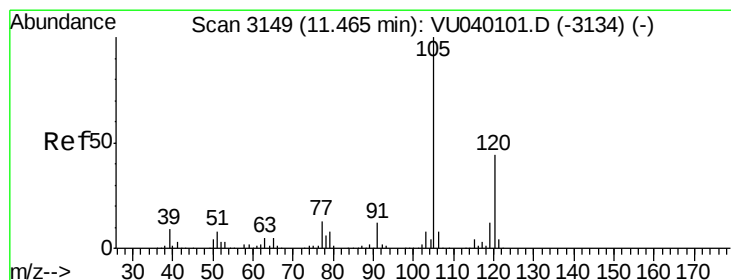
Tot Ion	Ratio	Resp	Lower	Upper
119	100	666085		
91	68.6		34.2	102.5
134	23.2		18.2	27.4

Manual Integrations
APPROVED



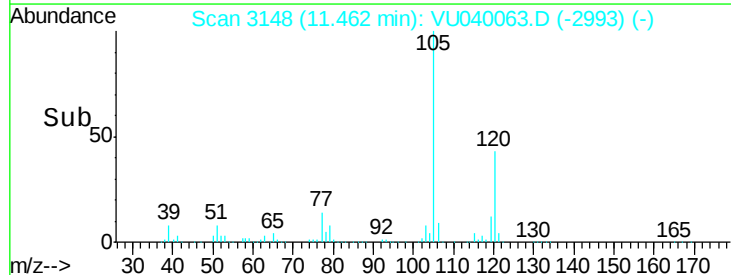
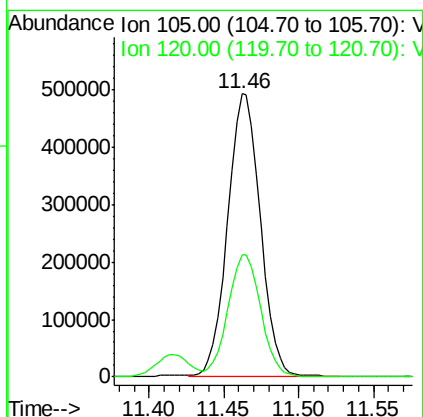
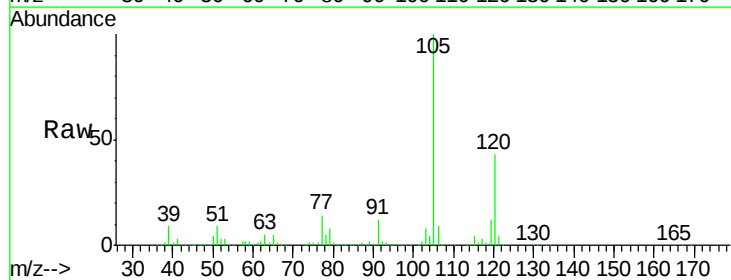
MMDadoda

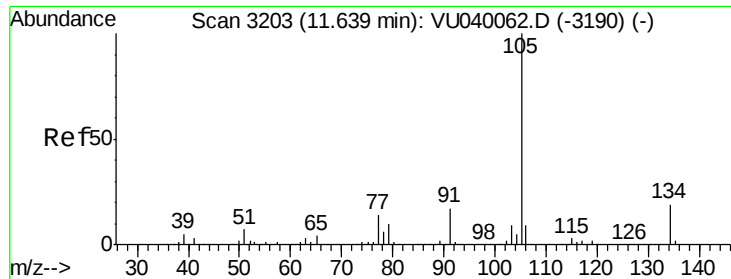
9/17/2020 4:47:22 PM



#78
1,2,4-Trimethylbenzene
Concen: 20.854 ug/l
RT: 11.46 min Scan# 3148
Delta R.T. -0.00 min
Lab File: VU040063.D
Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	744640		
120	43.6		21.9	65.5



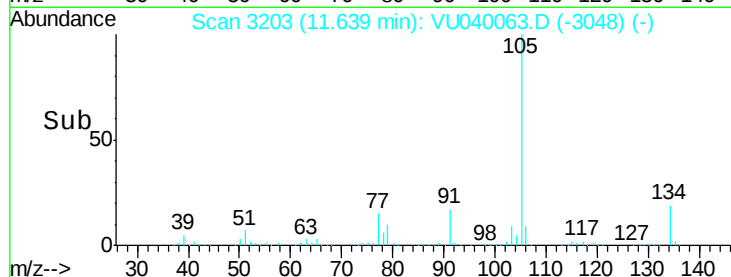
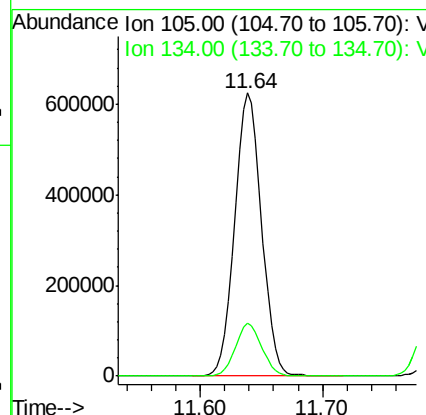
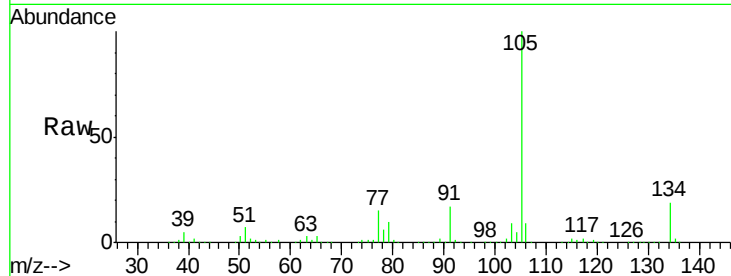


#79
 sec-Butylbenzene
 Concen: 20.117 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

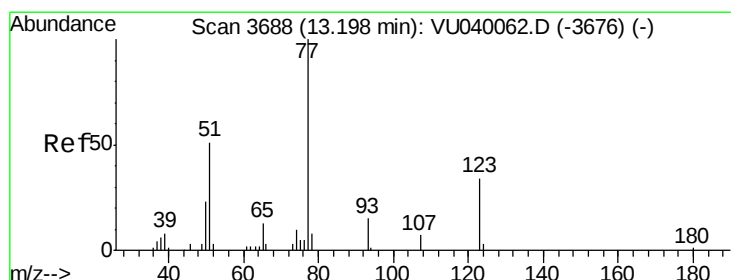
Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	15.0	22.4

Manual Integrations
 APPROVED



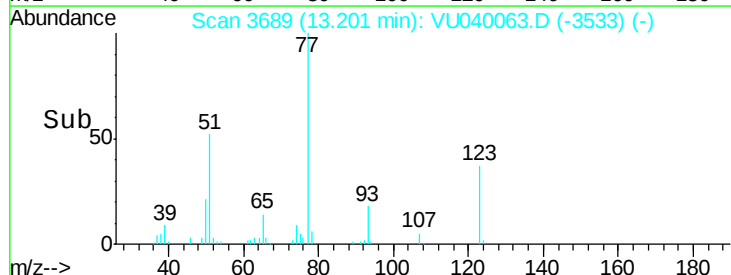
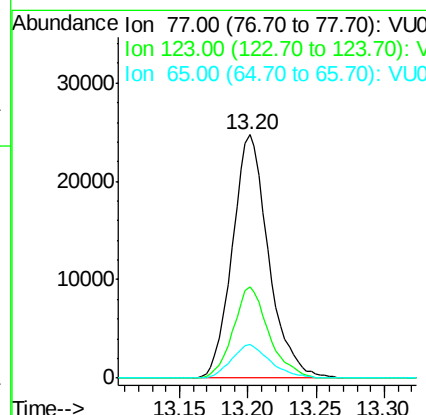
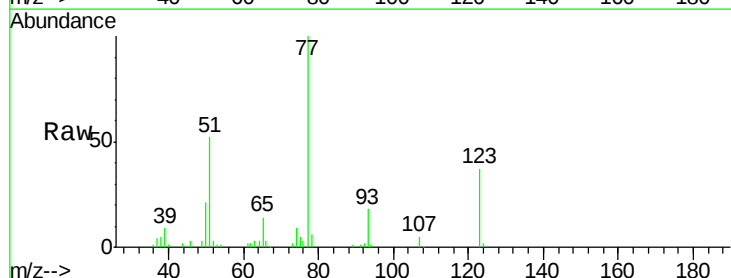
MMDadoda

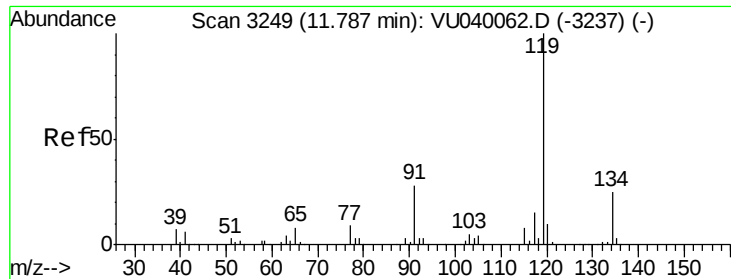
9/17/2020 4:47:22 PM



#80
 Nitrobenzene
 Concen: 212.219 ug/l
 RT: 13.20 min Scan# 3689
 Delta R.T. 0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.8	16.4	58.0
65	14.7	12.5	15.9



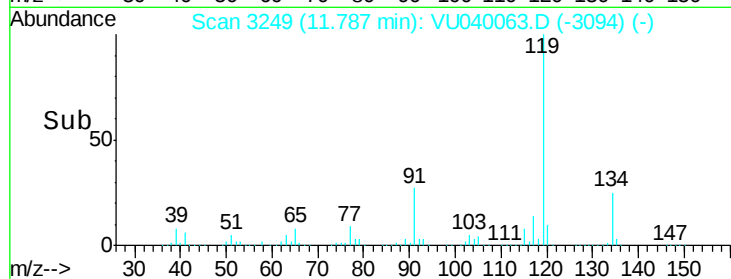
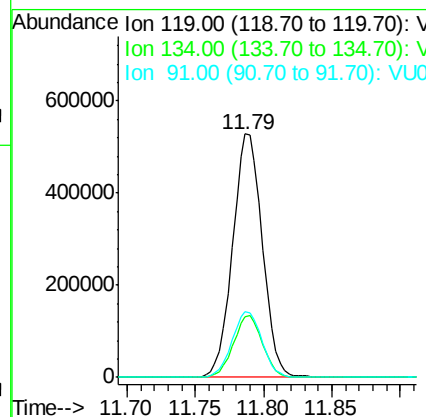
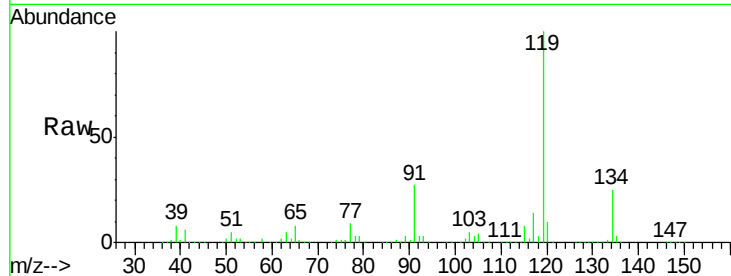


#81
 p-Isopropyltoluene
 Concen: 20.684 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

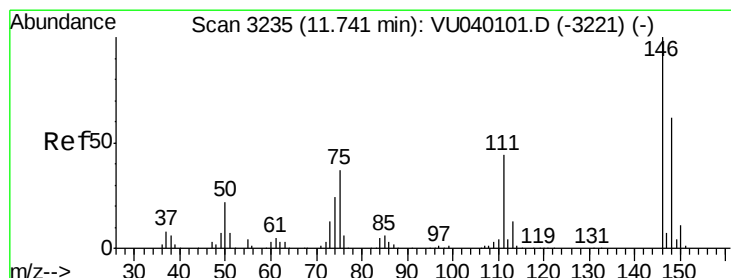
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.3	30.5
91	27.3	22.2	33.2

Manual Integrations
 APPROVED



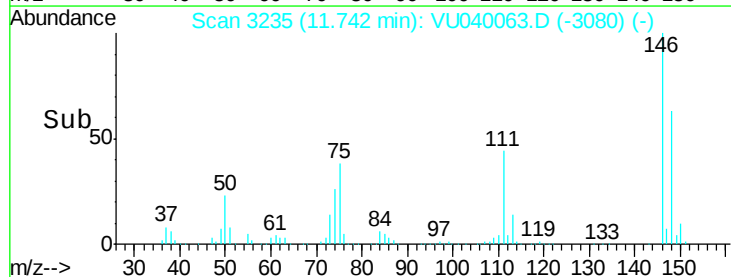
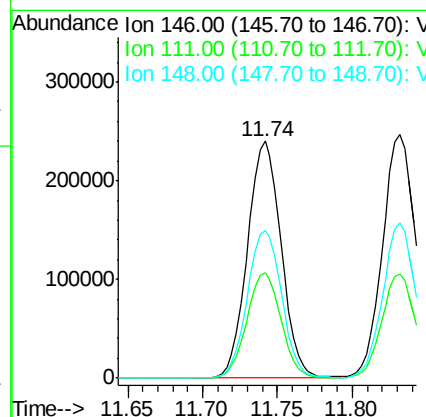
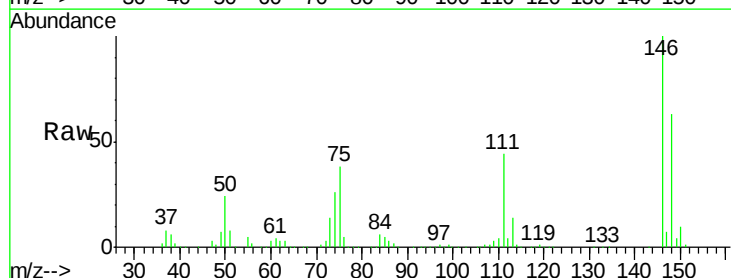
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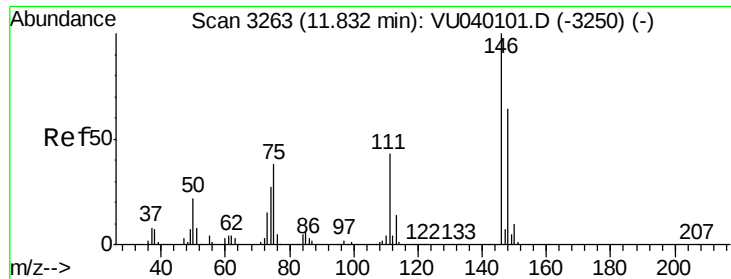
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#82
 1,3-Dichlorobenzene
 Concen: 19.059 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	35.4	53.0
148	63.4	49.7	74.5





#83

1,4-Dichlorobenzene

Concen: 19.208 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

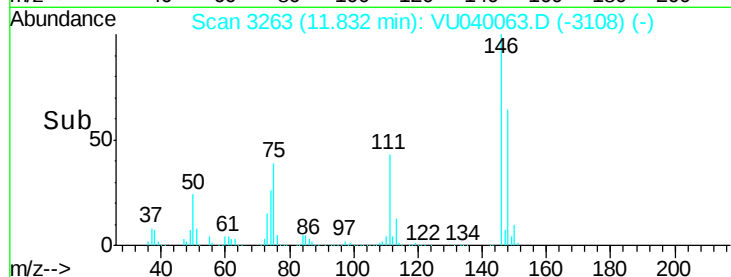
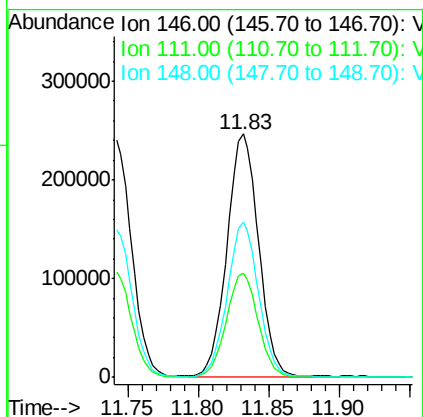
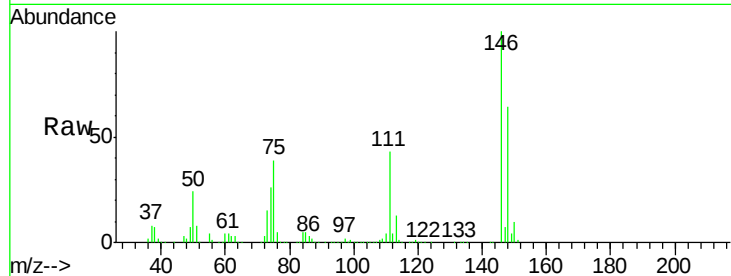
MSVOA_U

ClientSampleId :

VSTDIC020

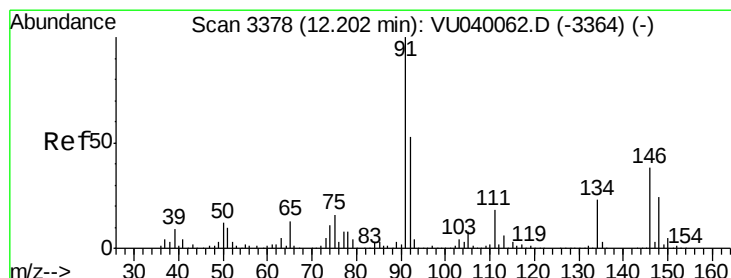
Tot Ion:	146	Resp:	383892
Ion Ratio	Lower	Upper	
146	100		
111	42.9	34.2	51.2
148	63.3	50.2	75.2

Manual Integrations
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#84

n-Butylbenzene

Concen: 20.236 ug/l

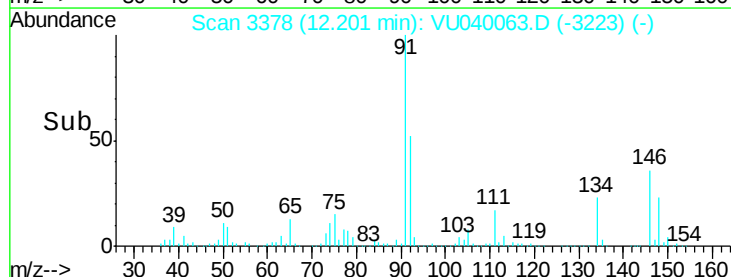
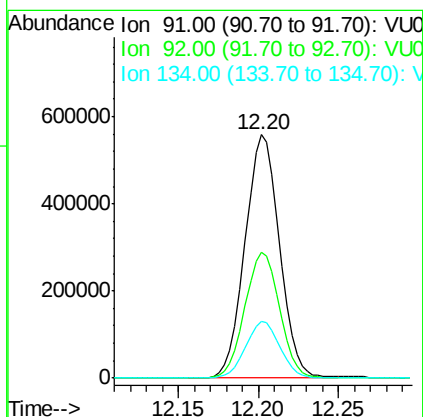
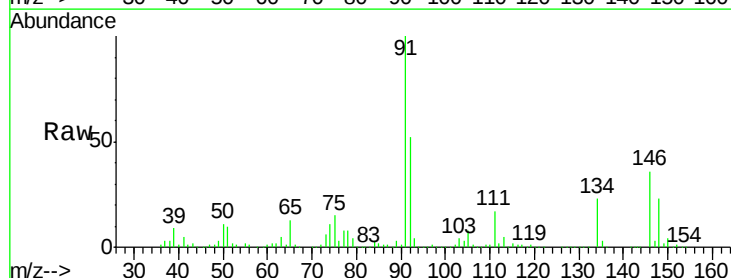
RT: 12.20 min Scan# 3378

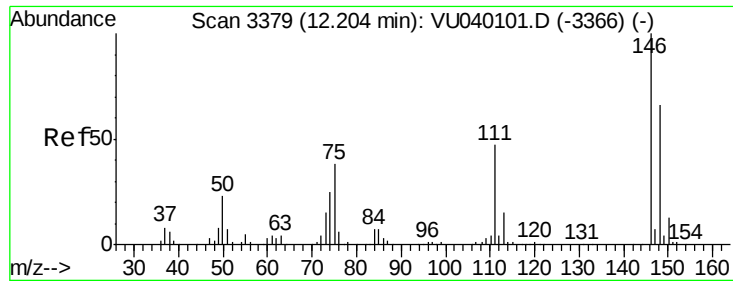
Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Tgt Ion:	91	Resp:	822792
Ion Ratio	Lower	Upper	
91	100		
92	52.1	43.0	64.4
134	23.3	18.6	27.8





#85

1,2-Dichlorobenzene

Concen: 18.958 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

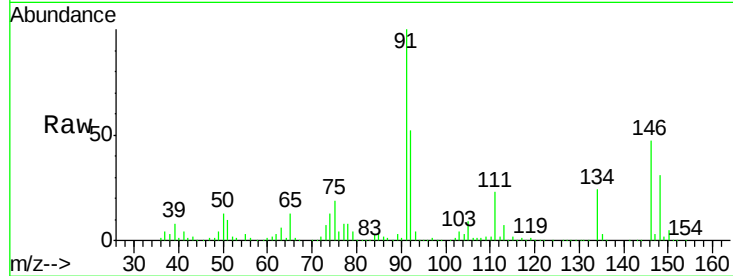
MSVOA_U

ClientSampled :

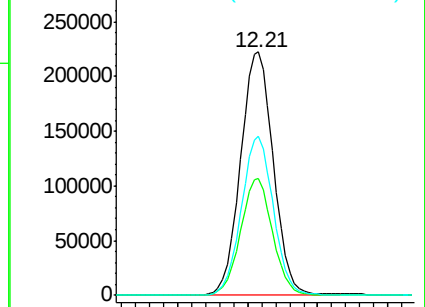
VSTDIC020

Tot Ion:	146	Resp:	362519
Ion Ratio	Lower	Upper	
146	100		
111	46.8	22.9	68.7
148	63.6	31.1	93.2

Manual Integrations
APPROVED

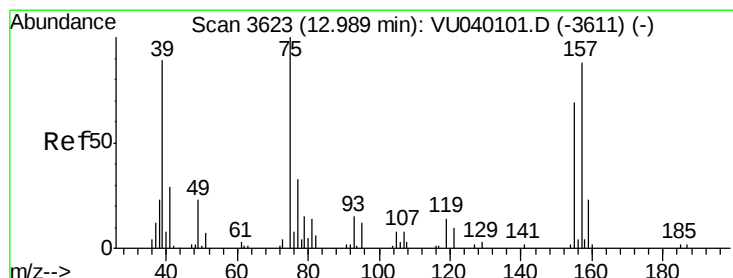
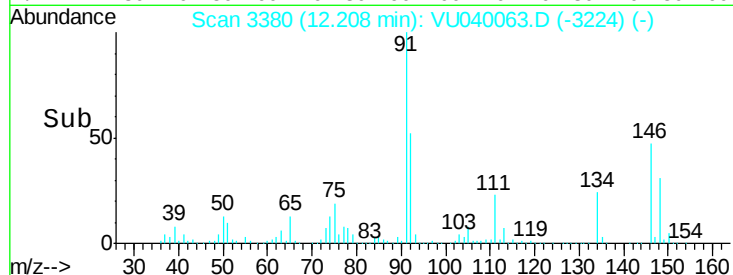


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



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#86

1,2-Dibromo-3-Chloropropane

Concen: 22.046 ug/l

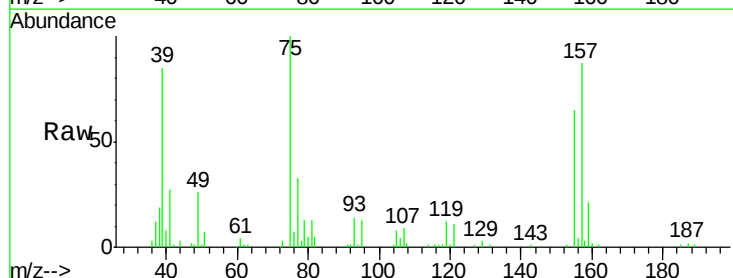
RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

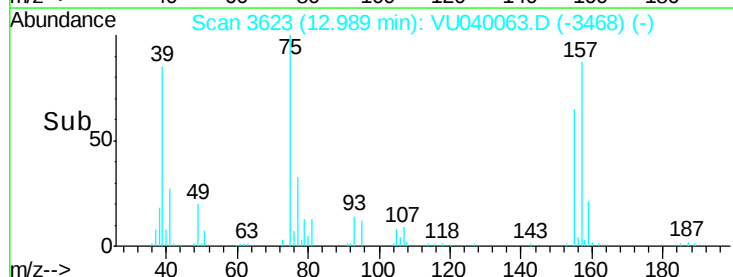
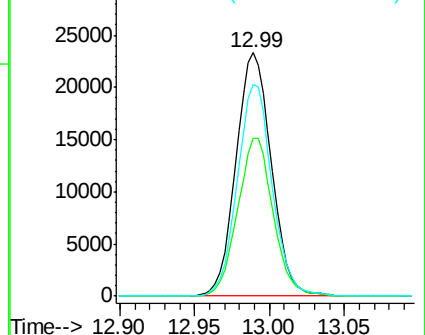
Lab File: VU040063.D

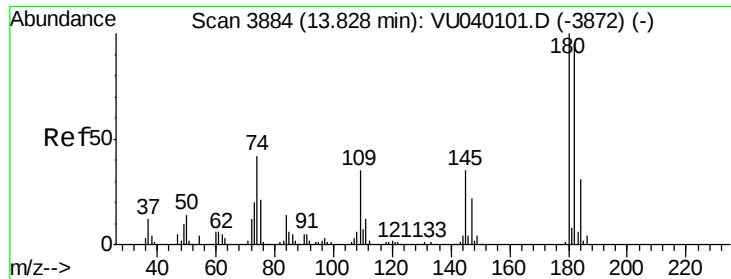
Acq: 09 Sep 2020 12:59

Tgt Ion:	75	Resp:	38448
Ion Ratio	Lower	Upper	
75	100		
155	64.9	53.4	80.0
157	85.5	65.8	98.8



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V



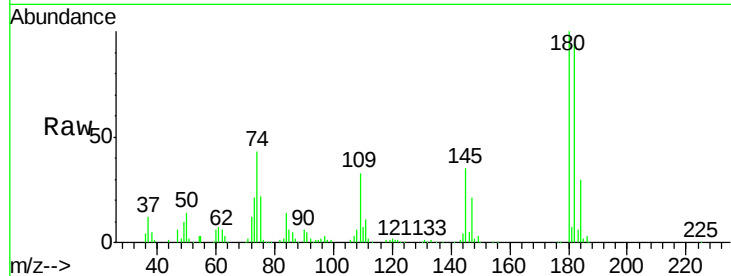


#87
 1,2,4-Trichlorobenzene
 Concen: 19.974 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

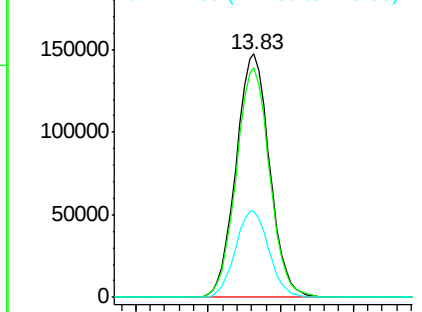
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	237166
Ion Ratio	Lower	Upper	
180	100		
182	93.8	75.0	112.4
145	35.4	27.7	41.5

Manual Integrations
 APPROVED

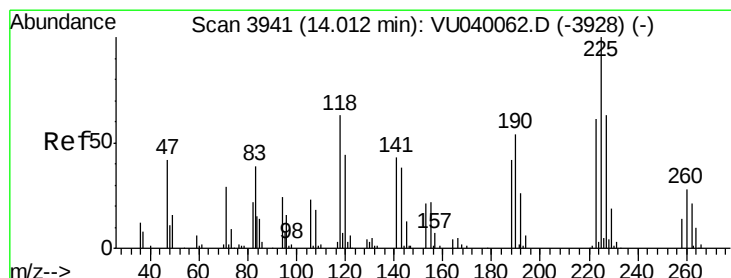
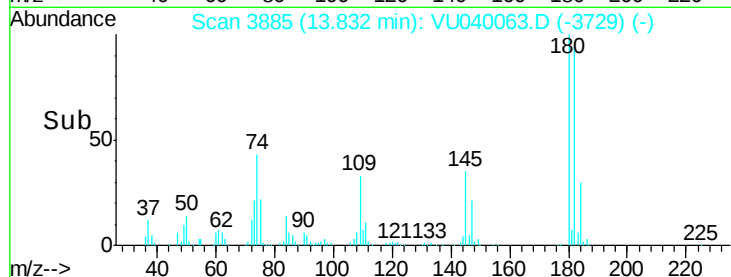


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



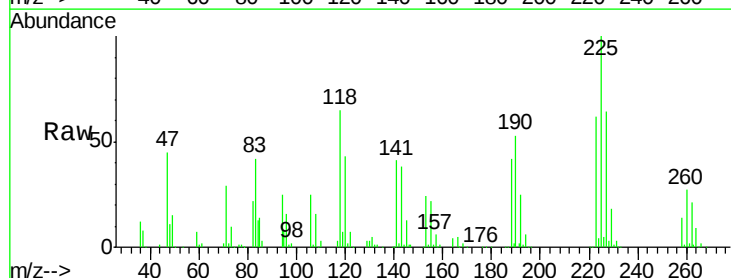
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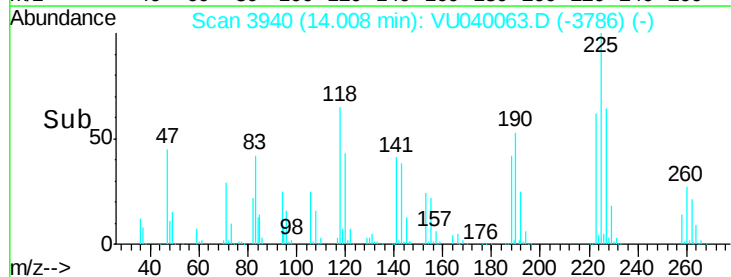
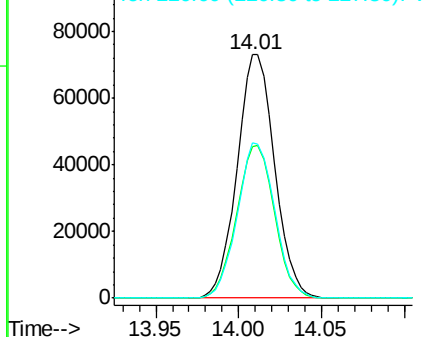


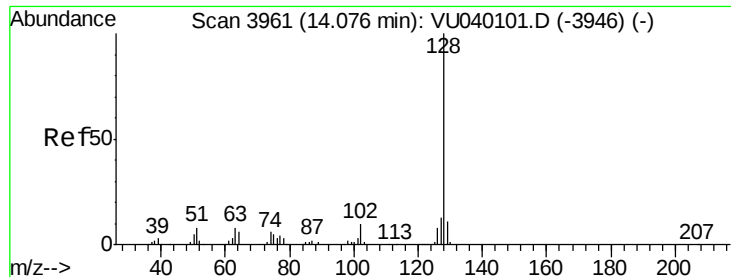
#88
 Hexachlorobutadiene
 Concen: 20.823 ug/l
 RT: 14.01 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VU040063.D
 Acq: 09 Sep 2020 12:59

Tgt Ion:	225	Resp:	114989
Ion Ratio	Lower	Upper	
225	100		
223	63.1	50.7	76.1
227	63.6	51.1	76.7



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





#89

Naphthalene

Concen: 20.771 ug/l

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040063.D

Acq: 09 Sep 2020 12:59

Instrument :

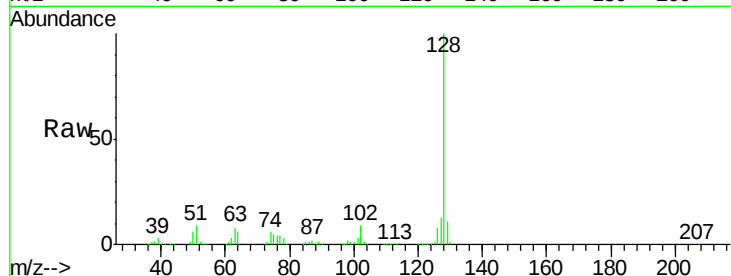
MSVOA_U

ClientSampleId :

VSTDIC020

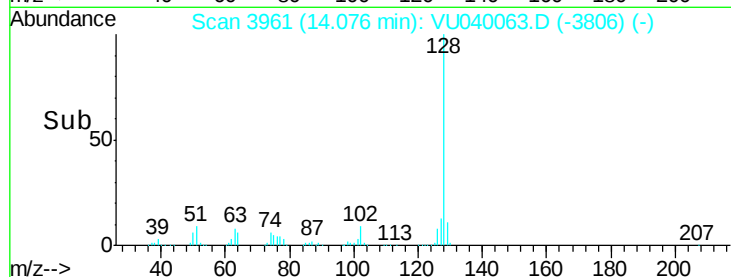
Tot Ion:	128	Resp:	524433
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.8	8.3	12.5

Manual Integrations
APPROVED



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

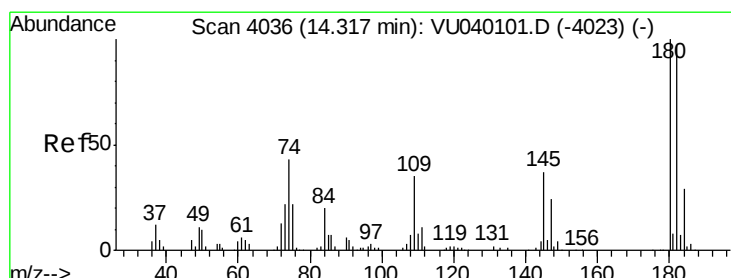
14.08



Time-->

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#90

1,2,3-Trichlorobenzene

Concen: 19.373 ug/l

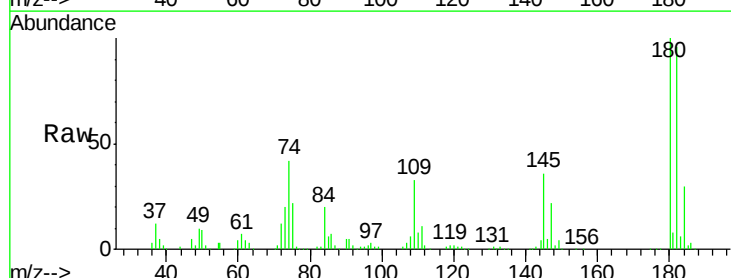
RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040063.D

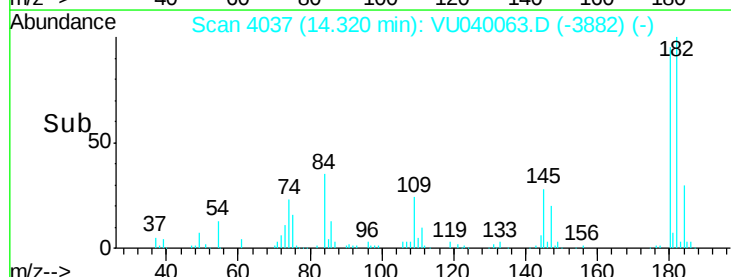
Acq: 09 Sep 2020 12:59

Tgt Ion:	180	Resp:	217269
Ion Ratio	Lower	Upper	
180	100		
182	95.2	76.0	114.0
145	36.9	30.6	45.8



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

14.32



Time-->