

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090920\
 Data File : VU040069.D
 Acq On : 09 Sep 2020 18:42
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 4:47:46 PM

Quant Time: Sep 10 04:43:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 04:09:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.12	96	27968	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	10731	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	10165	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	79911	10.062	ug/l	99
3) Chloromethane	1.53	50	81115	9.656	ug/l	99
4) Vinyl Chloride	1.61	62	82938	10.040	ug/l	99
5) Bromomethane	1.87	94	48720	9.744	ug/l	95
6) Chloroethane	1.94	64	49410	9.070	ug/l	99
7) Trichlorofluoromethane	2.15	101	127793	10.307	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	70450	9.847	ug/l	100
9) 1,1-Dichloroethene	2.59	96	59341	9.810	ug/l	97
10) Iodomethane	2.74	142	72584	10.265	ug/l	100
11) Allyl Chloride	2.94	41	117840	9.863	ug/l	100
12) Acrylonitrile	3.34	53	45639	21.703	ug/l	94
13) Acetone	2.66	43	96387	50.008	ug/l	94
14) Carbon Disulfide	2.81	76	165695	9.864	ug/l	98
15) Methylene Chloride	3.06	84	74442	10.149	ug/l	98
16) trans-1,2-Dichloroethene	3.37	96	68318	10.402	ug/l	98
17) 1,1-Dichloroethane	3.89	63	141341	9.863	ug/l	99
18) 2-Butanone	4.75	43	156196	53.133	ug/l	100
19) Cyclohexane	5.40	56	120585m	10.131	ug/l	
20) Methylcyclohexane	6.77	83	115839	10.500	ug/l	99
21) 2,2-Dichloropropane	4.68	77	128749	9.462	ug/l	100
22) cis-1,2-Dichloroethene	4.69	96	75807	9.910	ug/l	98
23) Diethyl Ether	2.39	59	58786	10.257	ug/l	98
24) tert-Butyl Alcohol	3.25	59	73121	94.798	ug/l #	89
25) Methyl tert-Butyl Ether	3.39	73	203801	10.103	ug/l	99
26) Bromochloromethane	4.99	128	33484	10.077	ug/l	95
27) Chloroform	5.11	83	148360	10.198	ug/l	96
28) 1,1,1-Trichloroethane	5.33	97	126549	10.003	ug/l	99
29) 1,1-Dichloropropene	5.54	75	108658	10.094	ug/l	99
30) Carbon Tetrachloride	5.54	117	115834	10.093	ug/l	99
31) Isopropyl Ether	4.02	45	249119	10.097	ug/l	97
32) Ethyl-t-butyl ether	4.53	59	227008	10.152	ug/l	99
33) Tert-Amyl methyl ether	5.96	73	204466	10.388	ug/l	99
34) Propionitrile	4.82	54	41383	55.600	ug/l #	93
35) Benzene	5.79	78	308922	10.363	ug/l	97
36) 1,2-Dichloroethane	5.81	62	119246	10.283	ug/l	99
37) Trichloroethene	6.55	130	74787	9.868	ug/l	97
38) 1,2-Dichloropropane	6.80	63	89312	10.348	ug/l	98
39) Methacrylonitrile	5.00	41	37898	9.517	ug/l	99
40) Methyl acrylate	4.87	55	54536	10.679	ug/l	96
41) Tetrahydrofuran	5.09	42	38109	19.919	ug/l	96
42) 1-Chlorobutane	5.47	56	162276	10.202	ug/l	97

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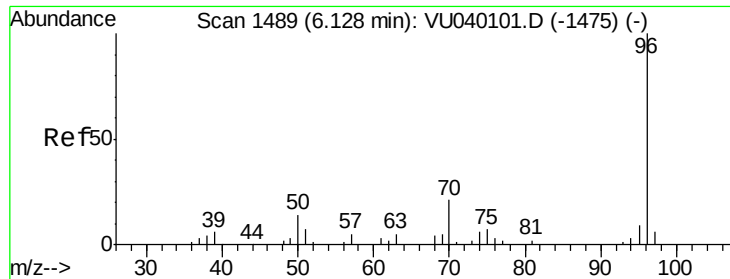
Manual Integrations
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Quant Time: Sep 10 04:43:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	50411	10.107	ug/l	97
44) Bromodichloromethane	7.12	83	120975	10.104	ug/l	99
45) 4-Methyl-2-Pentanone	7.81	43	378489	55.702	ug/l	99
46) t-1,4-Dichloro-2-butene	10.83	75	66585m	25.613	ug/l	
47) Methyl methacrylate	6.98	69	94755	22.162	ug/l	99
48) Ethyl methacrylate	8.34	69	87591	11.274	ug/l	99
49) Toluene	7.97	92	196293	10.895	ug/l	97
50) t-1,3-Dichloropropene	8.22	75	118272	10.952	ug/l	99
51) cis-1,3-Dichloropropene	7.62	75	124224	10.332	ug/l	97
52) 1,1,2-Trichloroethane	8.41	97	65732	10.287	ug/l	98
53) 1,3-Dichloropropane	8.58	76	120820	10.532	ug/l	97
54) 2-Hexanone	8.70	43	270077	54.827	ug/l	99
55) Dibromochloromethane	8.82	129	79843	10.709	ug/l	100
56) 1,2-Dibromoethane	8.93	107	63781	10.688	ug/l	98
58) Tetrachloroethene	8.56	164	73864	10.042	ug/l	98
59) Chlorobenzene	9.45	112	208993	10.460	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.54	131	76082	10.398	ug/l	99
61) Pentachloroethane	11.42	117	50544	10.131	ug/l	99
62) Hexachloroethane	12.47	117	65995	10.408	ug/l	98
63) Ethyl Benzene	9.57	91	375968	11.028	ug/l	98
64) m/p-Xylenes	9.69	106	289973	22.765	ug/l	99
65) o-Xylene	10.10	106	135534	11.022	ug/l	99
66) Styrene	10.11	104	245398	11.362	ug/l	99
67) Bromoform	10.29	173	42999	11.199	ug/l	99
69) Isopropylbenzene	10.48	105	373355	11.032	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	87731	10.269	ug/l	95
71) 1,2,3-Trichloropropane	10.83	75	68846m	10.379	ug/l	
72) Bromobenzene	10.78	156	82437	10.442	ug/l	97
73) n-propylbenzene	10.90	120	101473	10.905	ug/l	97
74) 2-Chlorotoluene	10.98	126	88058	10.832	ug/l	99
75) 1,3,5-Trimethylbenzene	11.09	105	334317	11.279	ug/l	99
76) 4-Chlorotoluene	11.10	126	93512	10.666	ug/l	96
77) tert-Butylbenzene	11.42	119	305274	11.072	ug/l	99
78) 1,2,4-Trimethylbenzene	11.46	105	348921	11.224	ug/l	99
79) sec-Butylbenzene	11.64	105	435159	10.897	ug/l	100
80) Nitrobenzene	13.20	77	18801	54.871	ug/l	98
81) p-Isopropyltoluene	11.79	119	359717	11.312	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	179721	10.336	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	179413	10.383	ug/l	99
84) n-Butylbenzene	12.20	91	377548	11.552	ug/l	98
85) 1,2-Dichlorobenzene	12.21	146	171863	10.279	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	16733	10.524	ug/l	96
87) 1,2,4-Trichlorobenzene	13.83	180	107269	11.116	ug/l	100
88) Hexachlorobutadiene	14.01	225	53009	10.619	ug/l	99
89) Naphthalene	14.08	128	229452	9.768	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	99059	11.021	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 27968

Ion Ratio Lower Upper

96 100

70 21.9 17.1 25.7

95 9.1 7.6 11.4

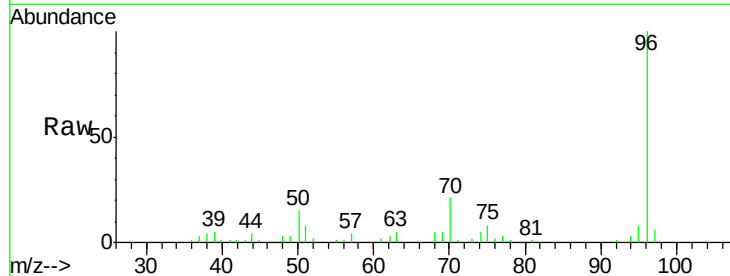
97 0.0 0.0 0.0

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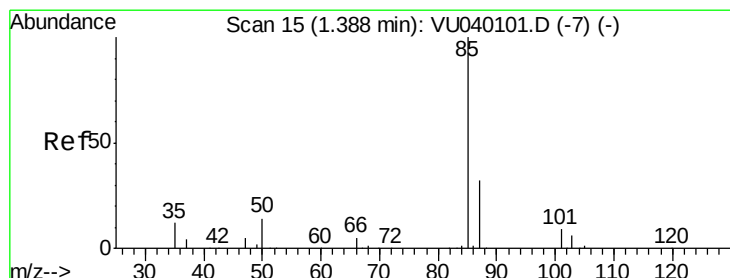
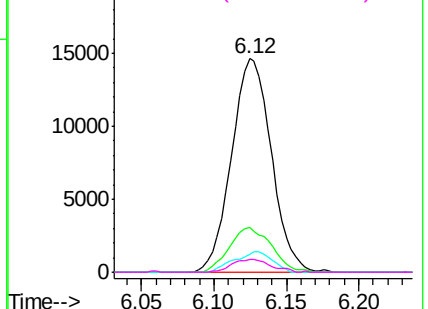
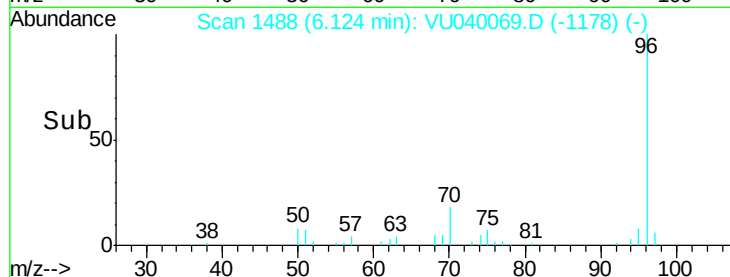


Abundance Ion 96.00 (95.70 to 96.70): VU040101.D (-1475) (-)

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) (-)



#2

Dichlorodifluoromethane

Concen: 10.062 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040069.D

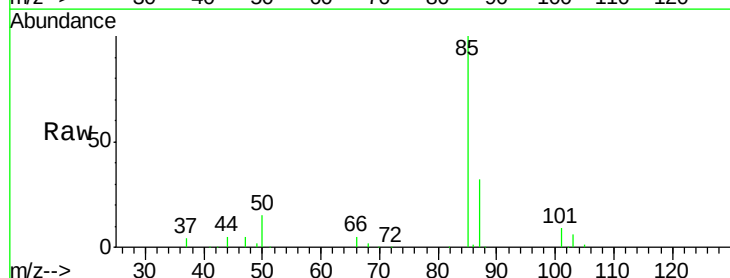
Acq: 09 Sep 2020 18:42

Tgt Ion: 85 Resp: 79911

Ion Ratio Lower Upper

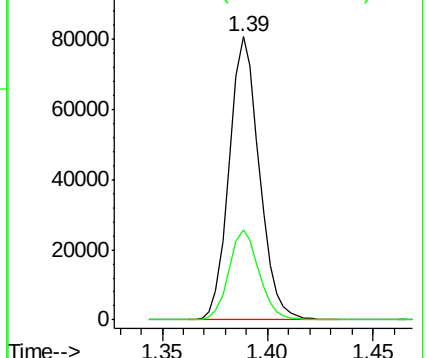
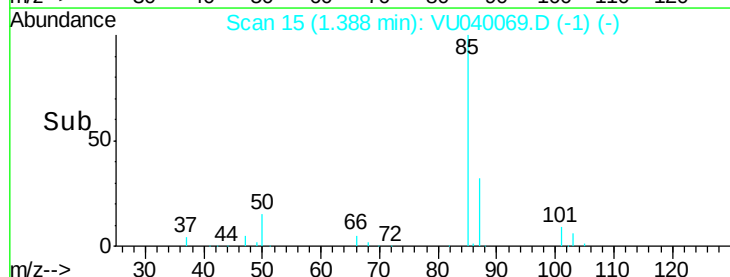
85 100

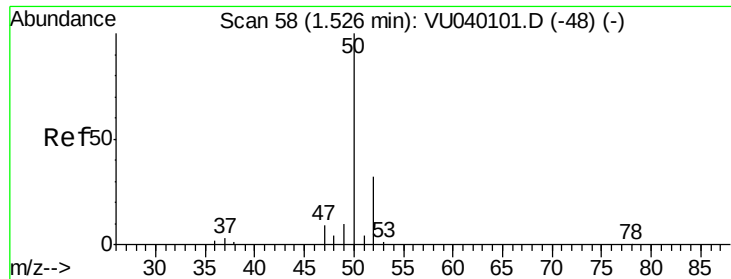
87 31.7 15.6 46.8



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: 9.656 ug/l

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 81115

Ion Ratio Lower Upper

50 100

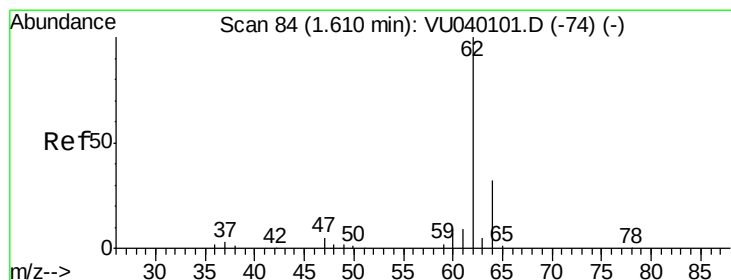
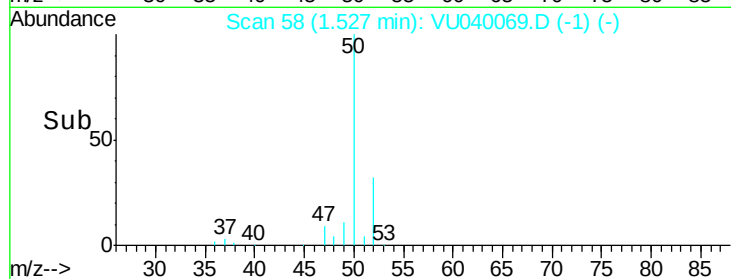
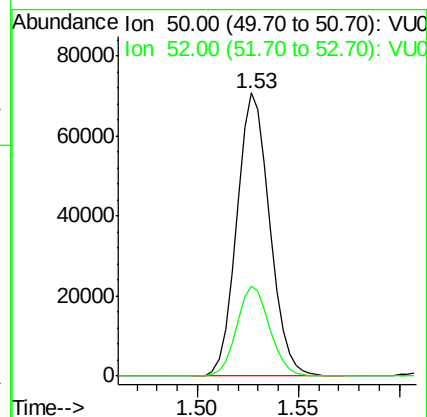
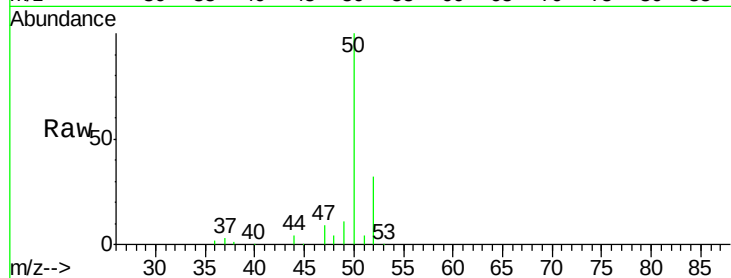
52 32.0 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.040 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040069.D

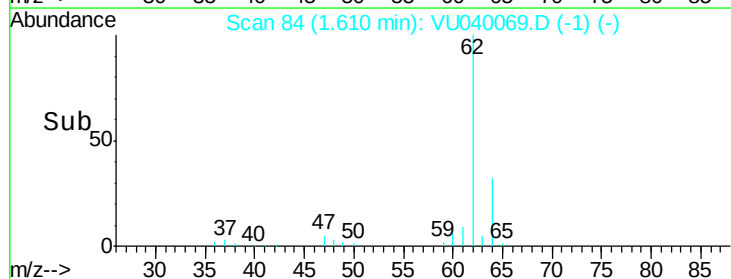
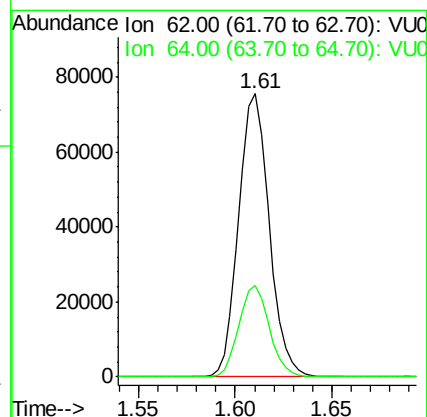
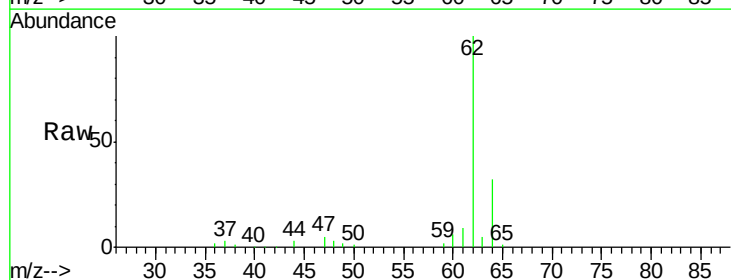
Acq: 09 Sep 2020 18:42

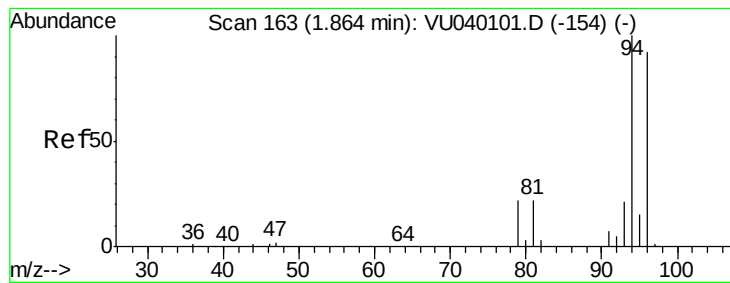
Tgt Ion: 62 Resp: 82938

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 9.744 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 48720

Ion Ratio Lower Upper

94 100

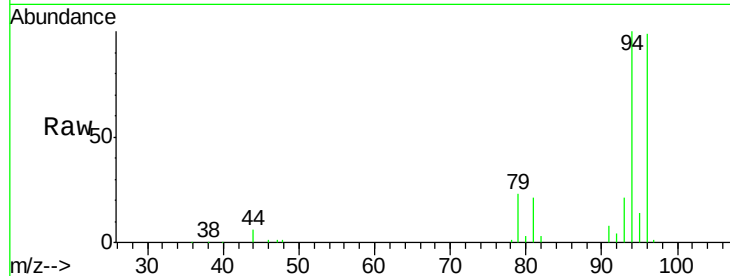
96 98.7 75.4 113.2

Manual Integrations

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9/17/2020 4:47:46 PM



Abundance Ion 94.00 (93.70 to 94.70): VU040101.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040101.D (-154) (-)

1.87

40000

30000

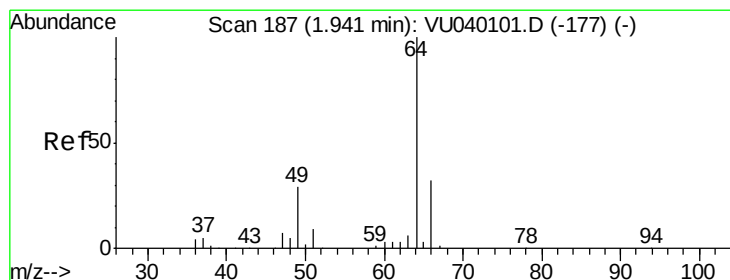
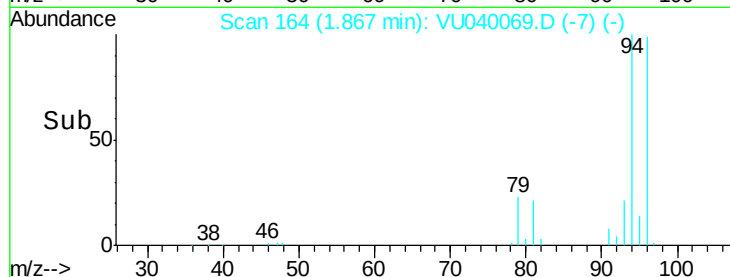
20000

10000

0

1.80 1.85 1.90 1.95

Time-->



#6

Chloroethane

Concen: 9.070 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040069.D

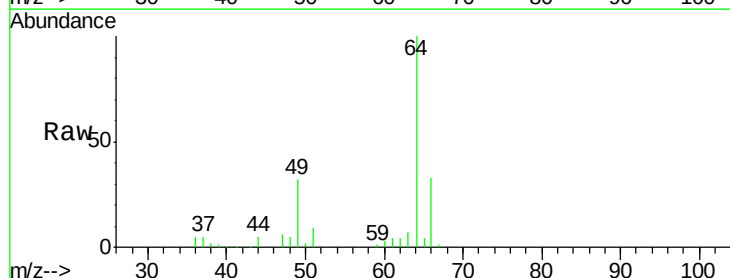
Acq: 09 Sep 2020 18:42

Tgt Ion: 64 Resp: 49410

Ion Ratio Lower Upper

64 100

66 32.7 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU040101.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU040101.D (-177) (-)

1.94

40000

30000

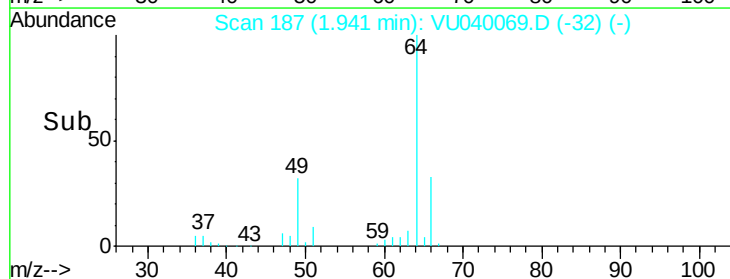
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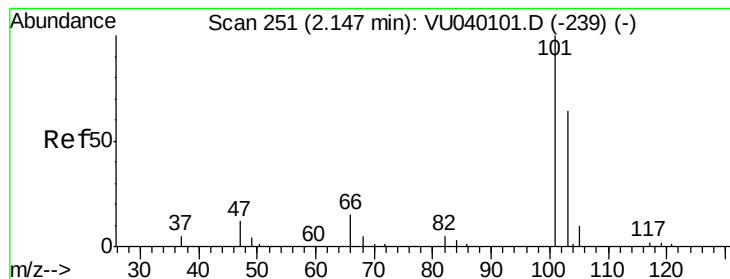
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0

1.90 1.95 2.00 2.05

Time-->





#7

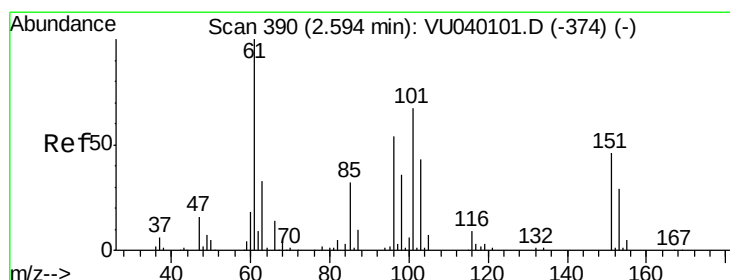
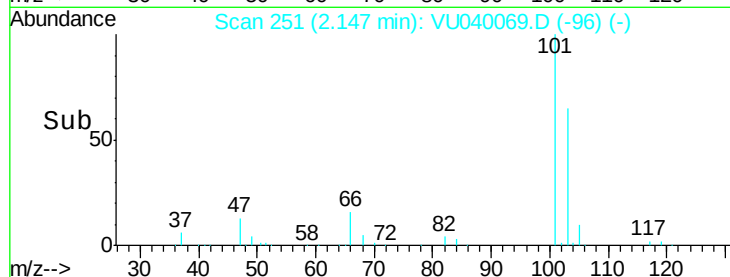
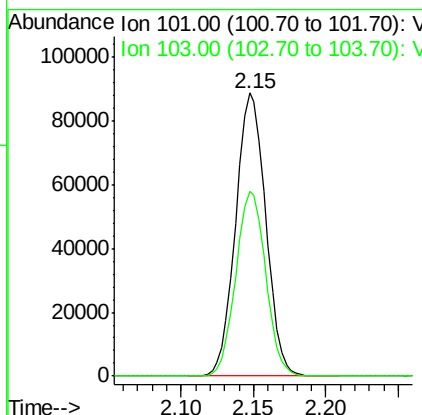
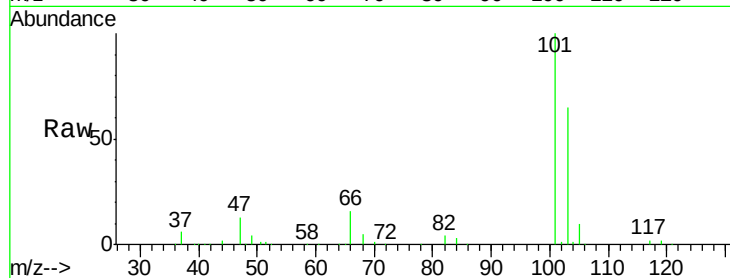
Trichlorofluoromethane
Concen: 10.307 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040069.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.8	76.2

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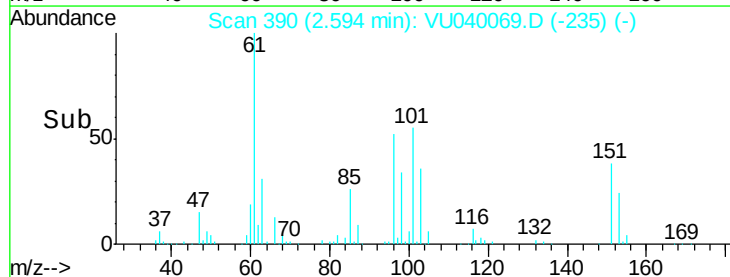
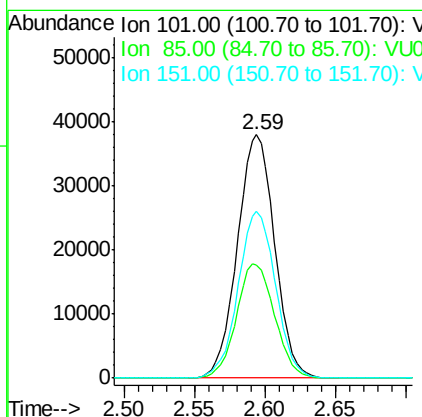
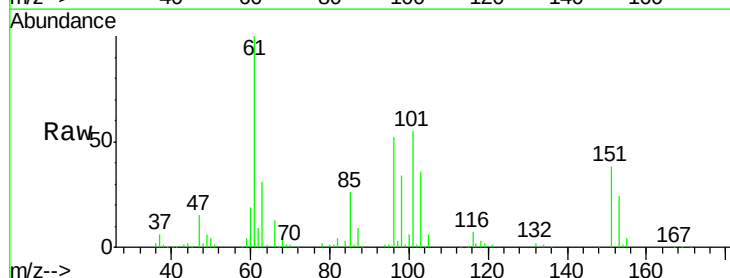
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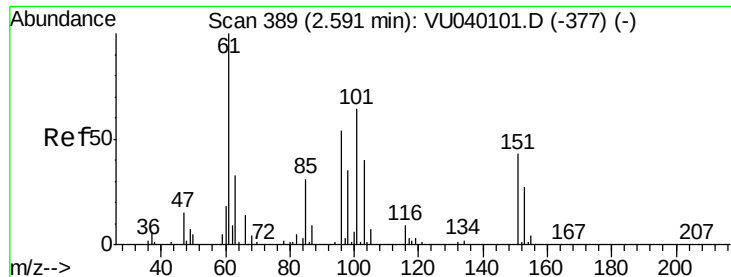


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.847 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.0	38.5	57.7
151	68.6	54.6	81.8





#9

1,1-Dichloroethene

Concen: 9.810 ug/l

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

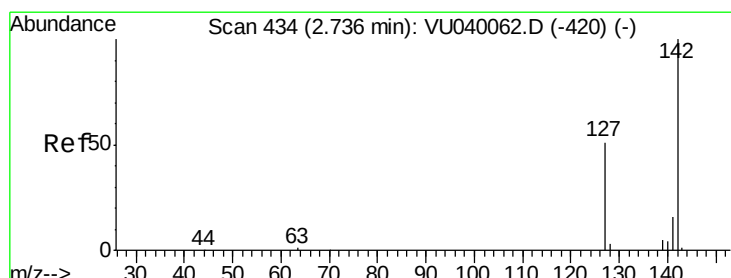
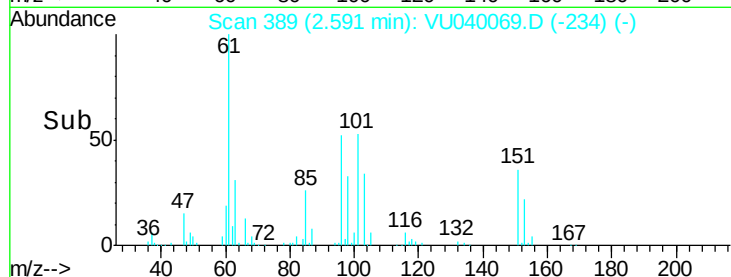
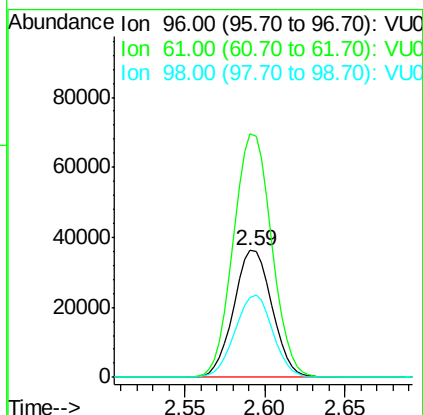
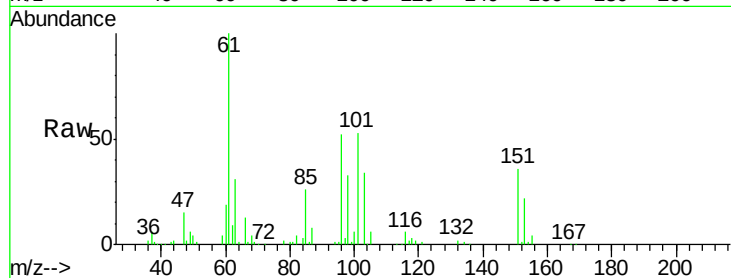
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	59341
Ion	Ratio	Lower	Upper
96	100		
61	191.9	0.0	557.1
98	63.3	0.0	125.6

Manual Integrations
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9/17/2020 4:47:46 PM



#10

Iodomethane

Concen: 10.265 ug/l

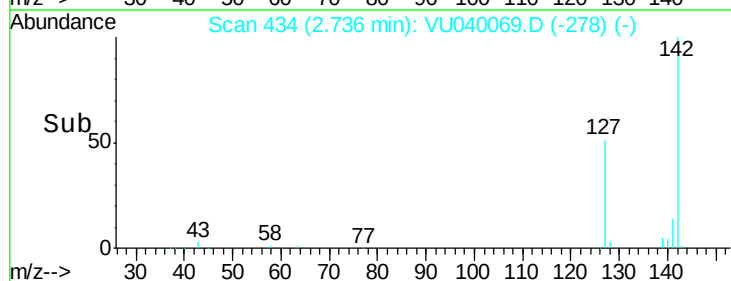
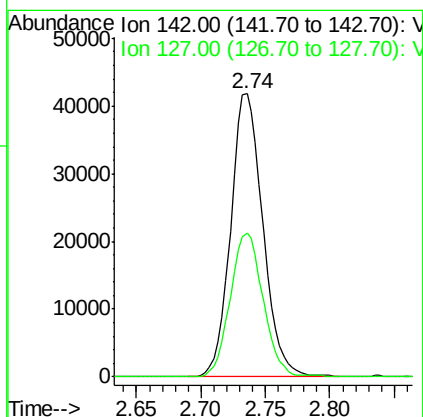
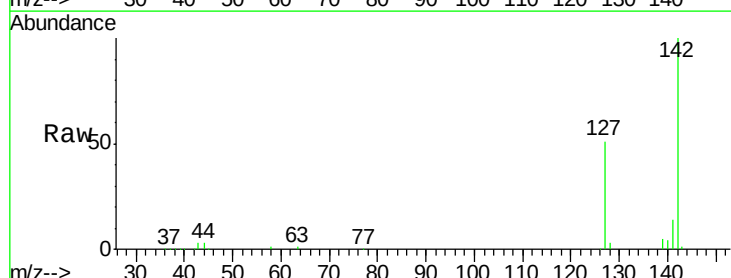
RT: 2.74 min Scan# 434

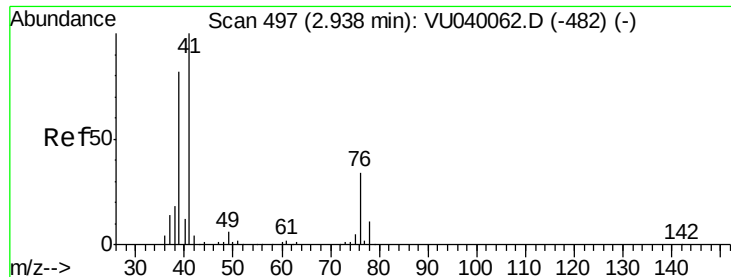
Delta R.T. 0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Tgt Ion:	142	Resp:	72584
Ion	Ratio	Lower	Upper
142	100		
127	51.9	41.4	62.0





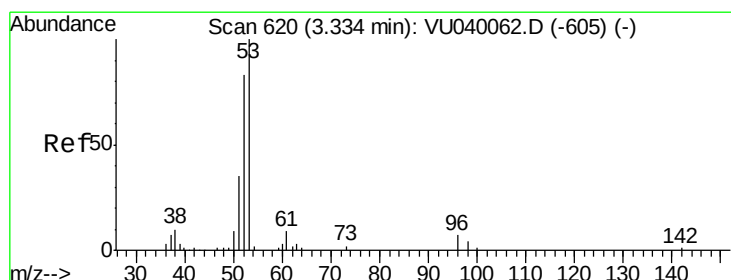
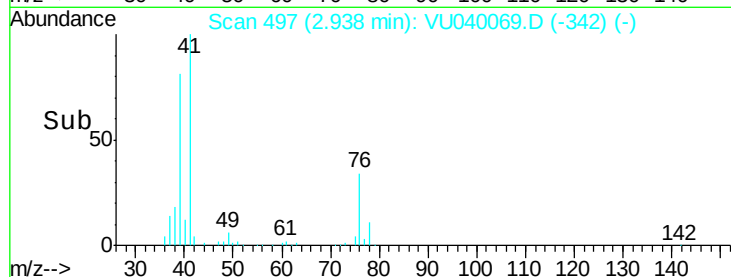
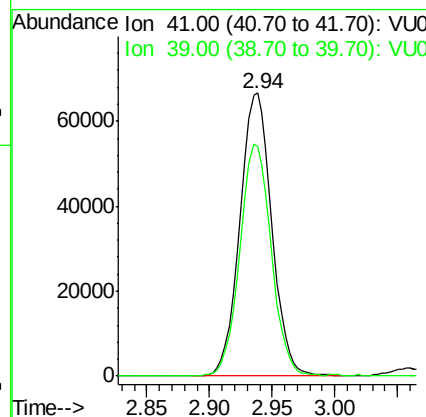
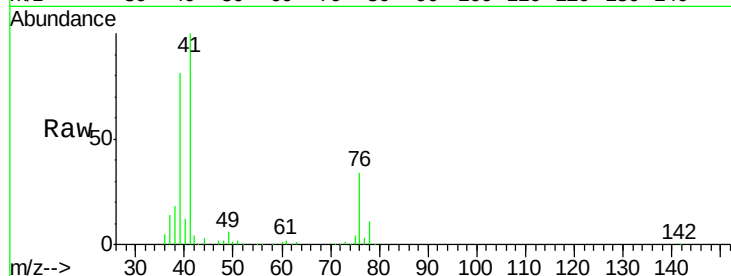
#11
Allvl Chloride
Concen: 9.863 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.7	64.6	96.8

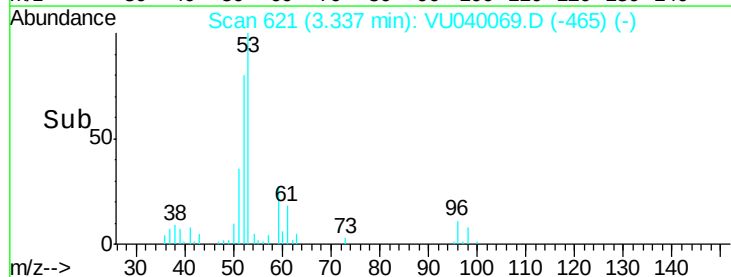
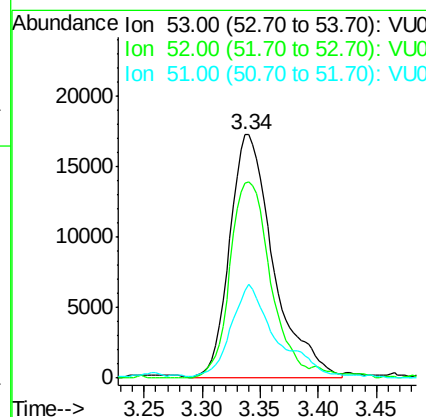
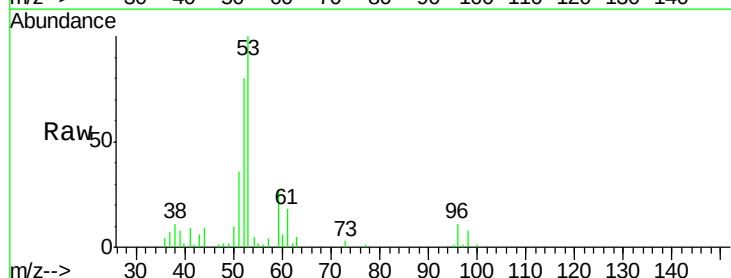
Manual Integrations
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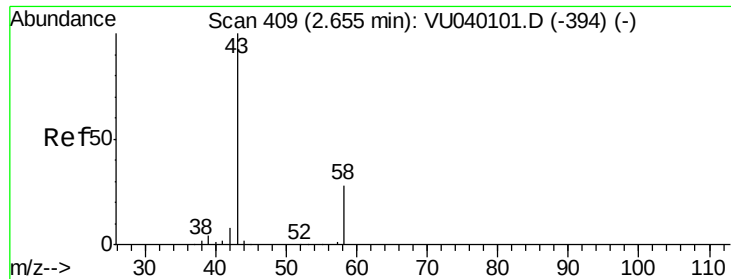
MMDadoda
9/17/2020 4:47:46 PM



#12
Acrylonitrile
Concen: 21.703 ug/l
RT: 3.34 min Scan# 621
Delta R.T. 0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
53	100		
52	73.9	64.0	96.0
51	37.8	28.2	42.2





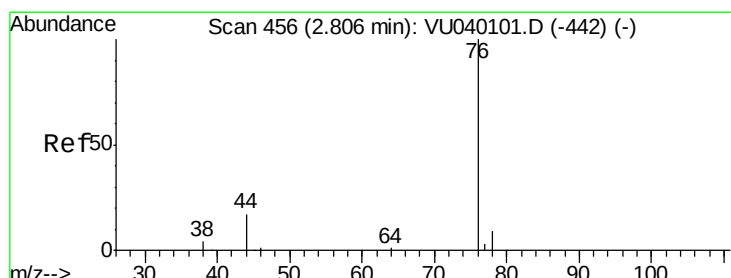
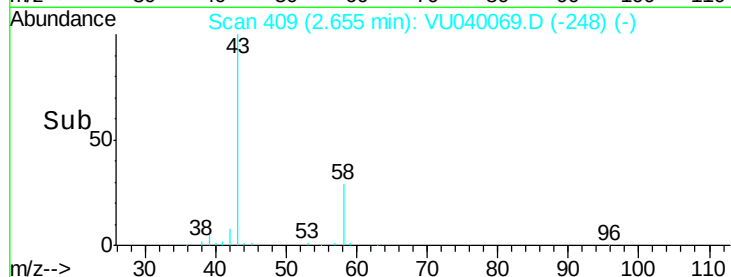
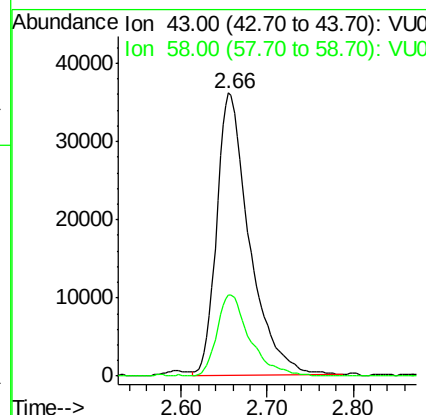
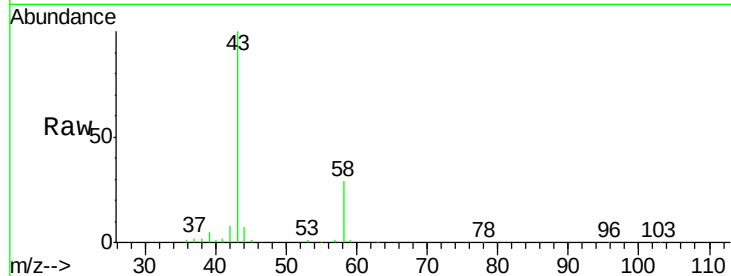
#13
Acetone
Concen: 50.008 ug/l
RT: 2.66 min Scan# 409
Delta R.T. 0.02 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 96387
Ion Ratio Lower Upper
43 100
58 28.9 20.6 31.0

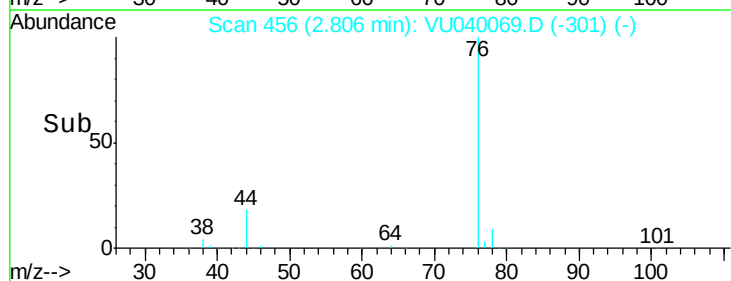
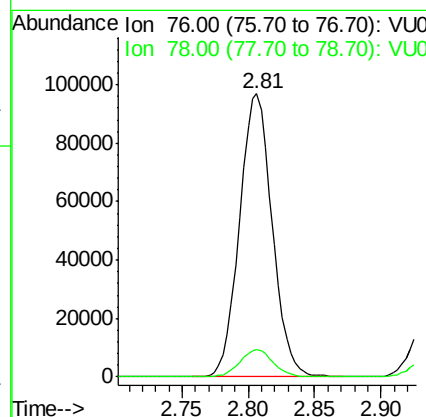
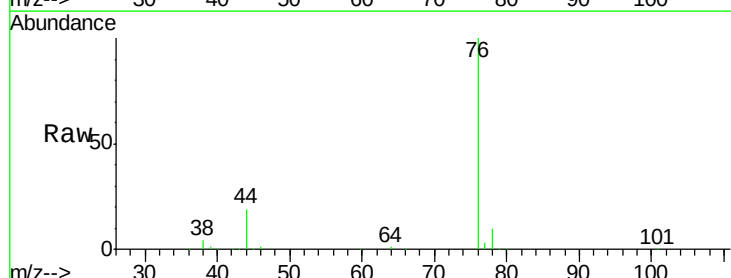
Manual Integrations
APPROVED

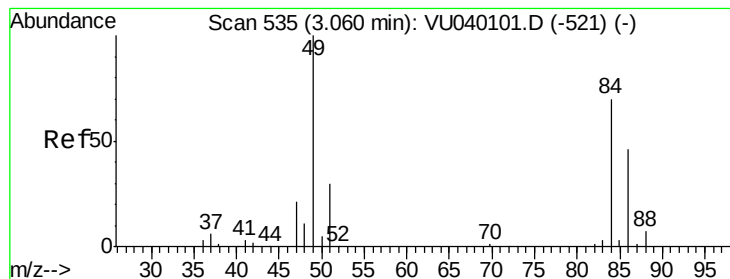
MMDadoda
9/17/2020 4:47:46 PM



#14
Carbon Disulfide
Concen: 9.864 ug/l
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion: 76 Resp: 165695
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8





#15

Methvlene Chloride

Concen: 10.149 ug/l

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 84 Resp: 74442

Ion Ratio Lower Upper

84 100

49 145.1 114.3 171.5

51 44.6 0.0 84.6

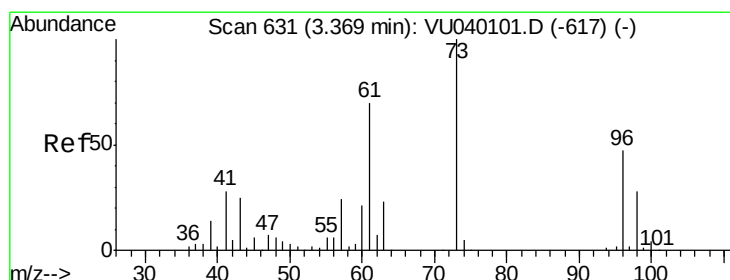
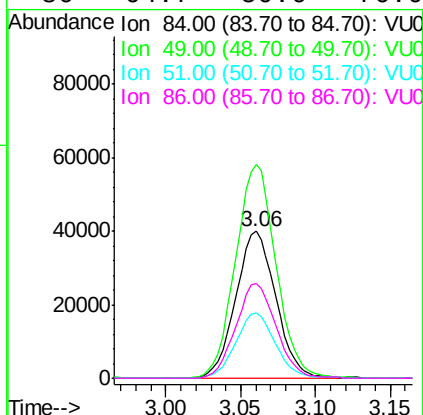
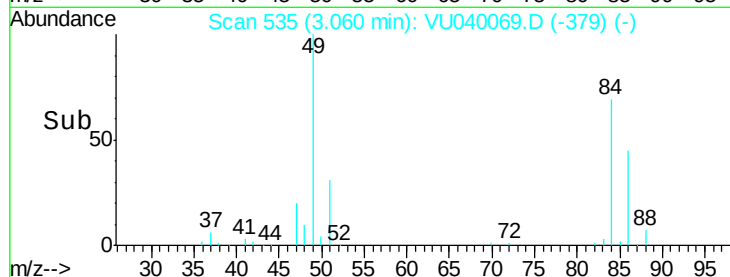
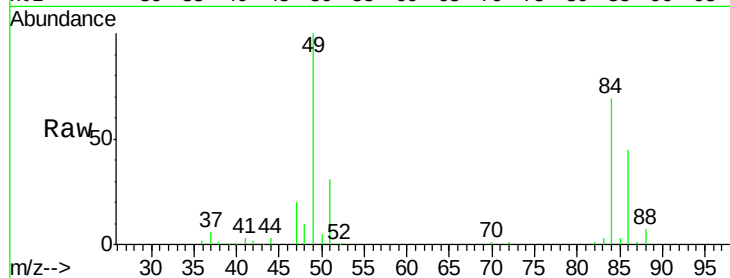
86 64.7 50.6 76.0

Manual Integrations

APPROVED

MMDadoda

9/17/2020 4:47:46 PM



#16

trans-1,2-Dichloroethene

Concen: 10.402 ug/l

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

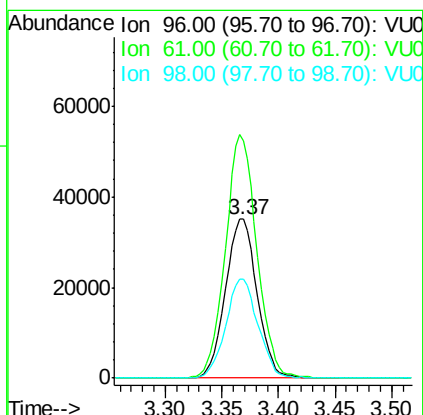
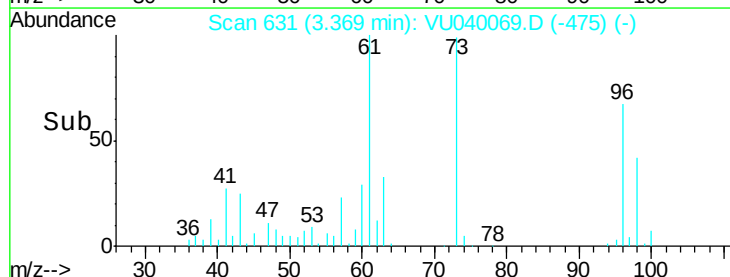
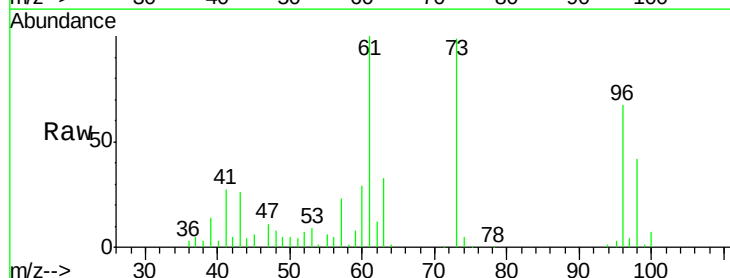
Tgt Ion: 96 Resp: 68318

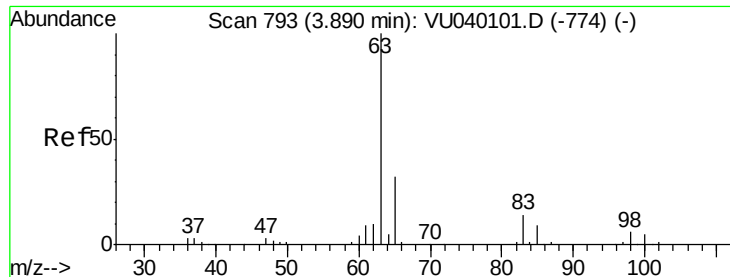
Ion Ratio Lower Upper

96 100

61 148.8 121.4 182.0

98 62.6 51.9 77.9





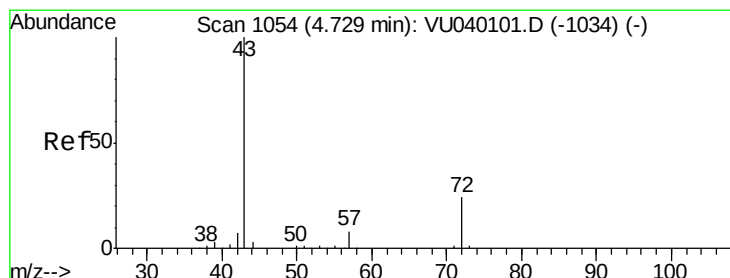
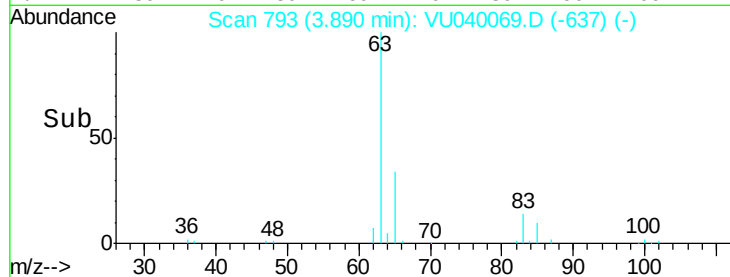
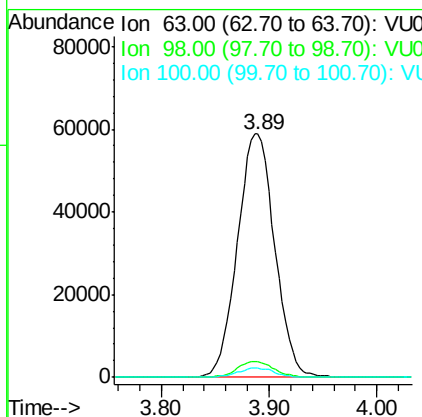
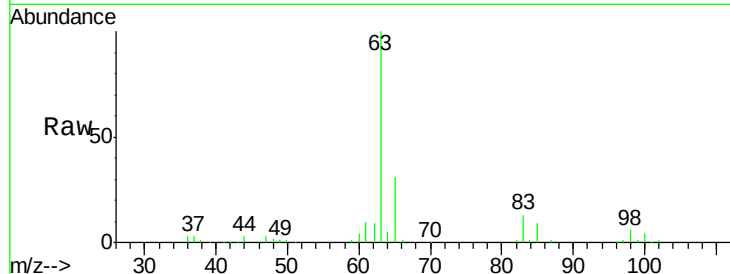
#17
 1,1-Dichloroethane
 Concen: 9.863 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	63	Resp:	141341
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.1	9.4
100	3.7	2.0	5.8

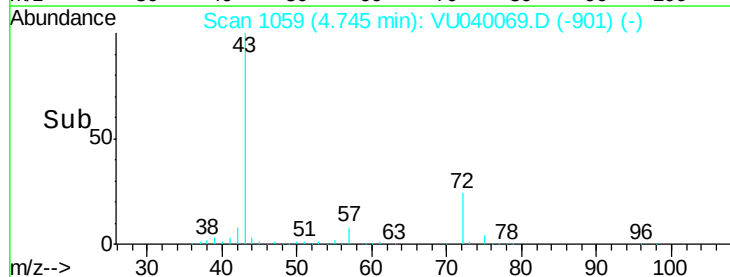
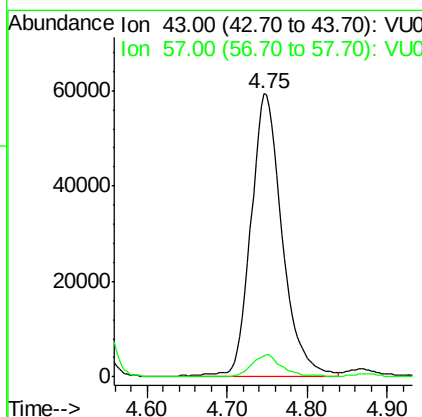
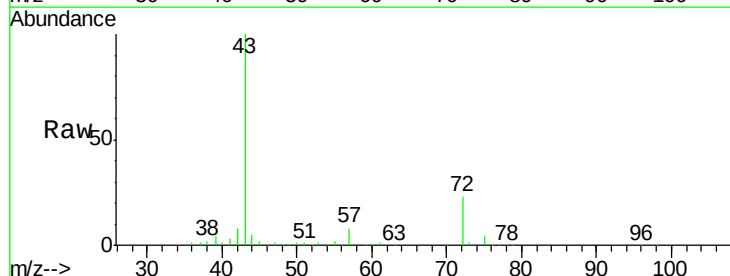
Manual Integrations
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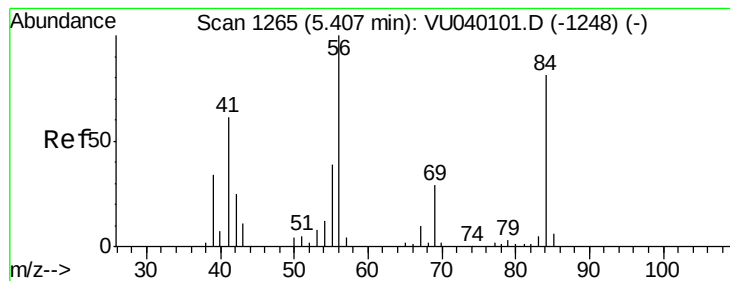
MMDadoda
 9/17/2020 4:47:46 PM



#18
 2-Butanone
 Concen: 53.133 ug/l
 RT: 4.75 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Tgt Ion:	43	Resp:	156196
Ion Ratio	Lower	Upper	
43	100		
57	7.5	0.0	15.2





#19

Cyclohexane

Concen: 10.131 ug/l m

RT: 5.40 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 56 Resp: 120585

Ion Ratio Lower Upper

56 100

69 29.6 23.5 35.3

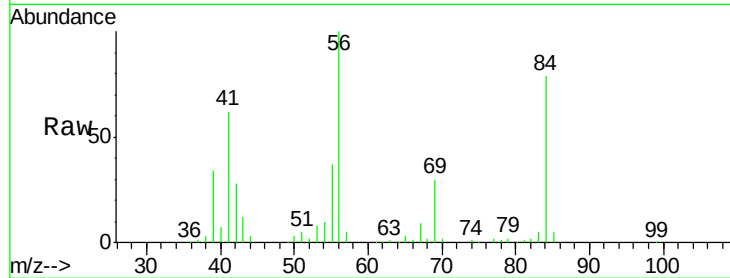
84 77.9 63.8 95.6

Manual Integrations

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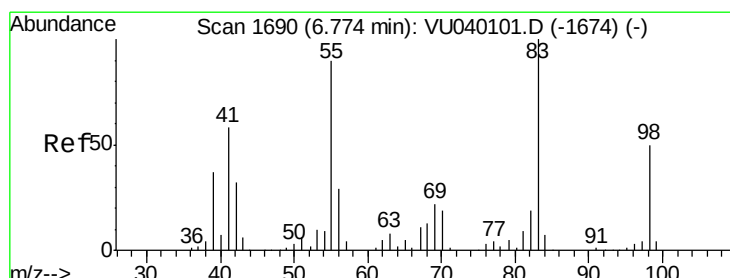
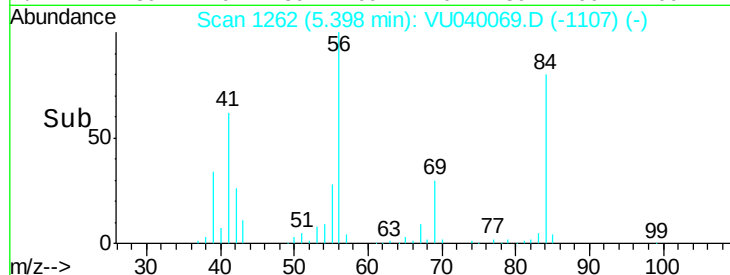
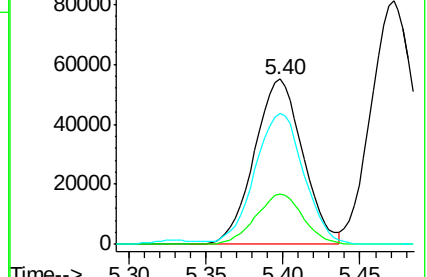
9/17/2020 4:47:46 PM



Abundance Ion 56.00 (55.70 to 56.70): VU040101.D (-1248) (-)

Ion 69.00 (68.70 to 69.70): VU040101.D (-1248) (-)

Ion 84.00 (83.70 to 84.70): VU040101.D (-1248) (-)



#20

Methylcyclohexane

Concen: 10.500 ug/l

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

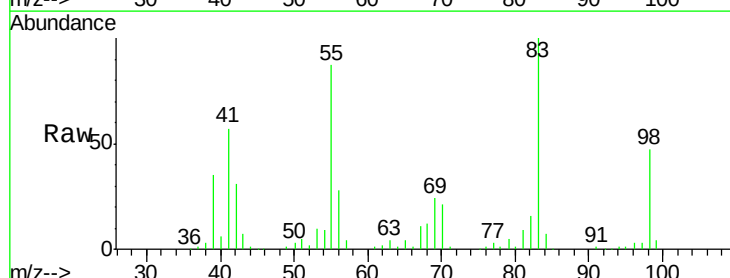
Tgt Ion: 83 Resp: 115839

Ion Ratio Lower Upper

83 100

55 86.0 69.4 104.2

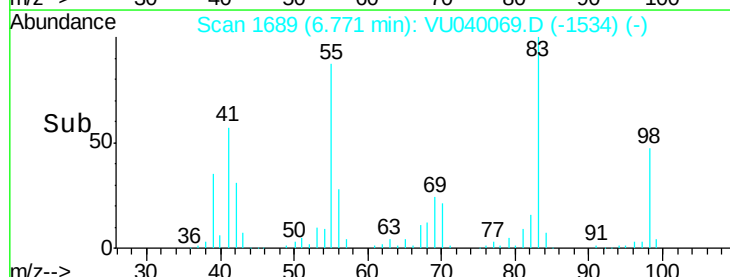
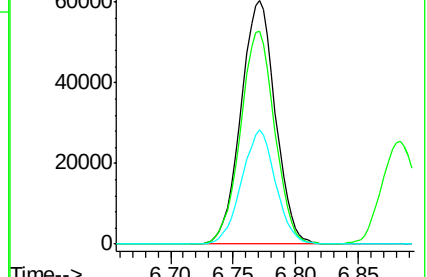
98 46.3 37.5 56.3

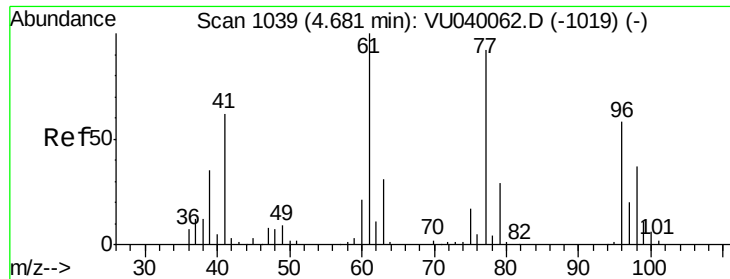


Abundance Ion 83.00 (82.70 to 83.70): VU040101.D (-1674) (-)

Ion 55.00 (54.70 to 55.70): VU040101.D (-1674) (-)

Ion 98.00 (97.70 to 98.70): VU040101.D (-1674) (-)





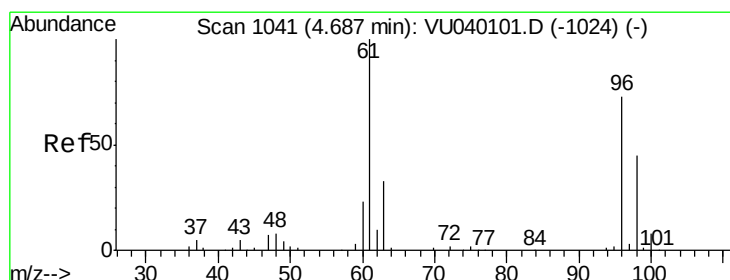
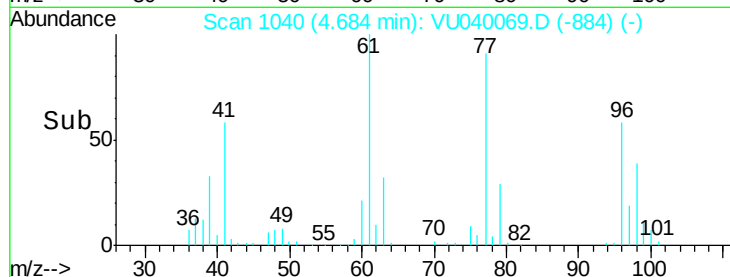
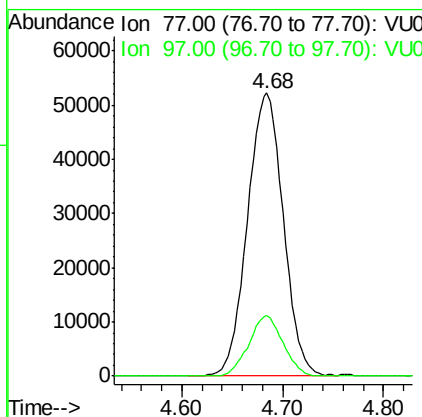
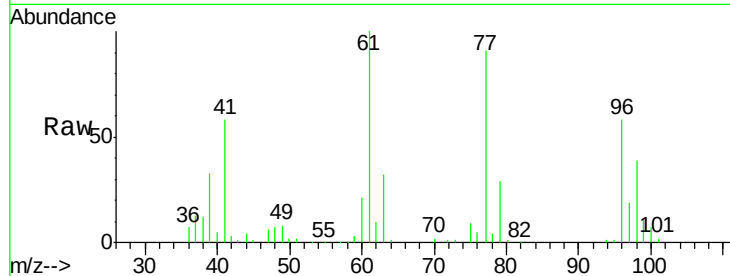
#21
 2,2-Dichloropropane
 Concen: 9.462 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 77 Resp: 128749
 Ion Ratio Lower Upper
 77 100
 97 20.4 16.4 24.6

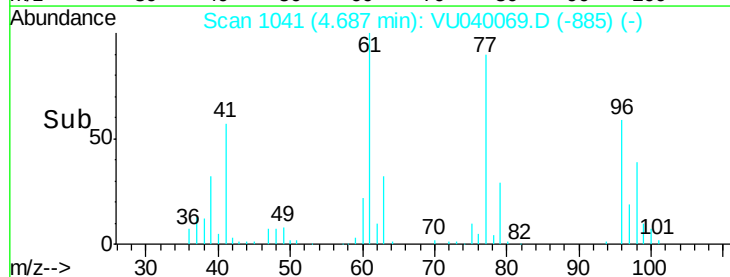
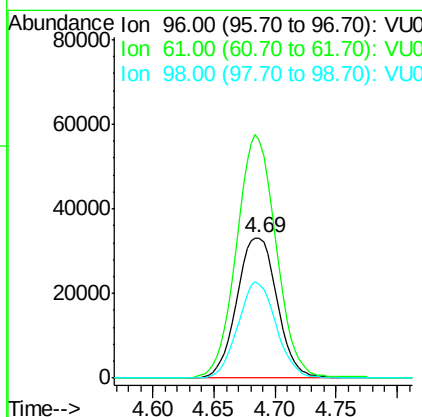
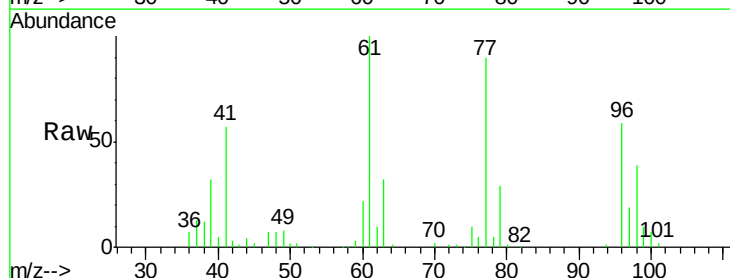
Manual Integrations
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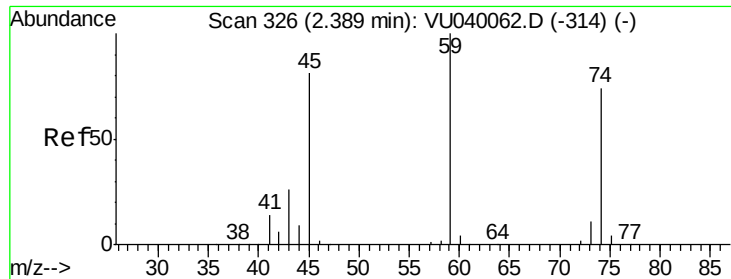
MMDadoda
 9/17/2020 4:47:46 PM



#22
 cis-1,2-Dichloroethene
 Concen: 9.910 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Tgt Ion: 96 Resp: 75807
 Ion Ratio Lower Upper
 96 100
 61 169.9 0.0 420.0
 98 65.2 31.8 95.3





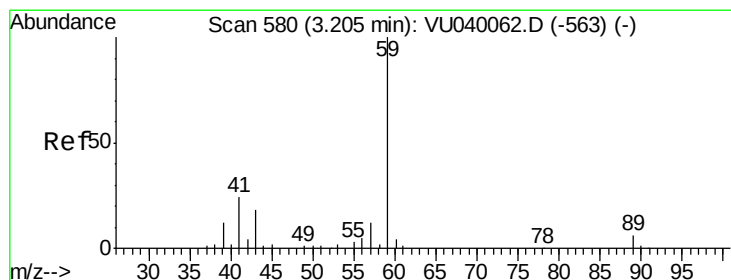
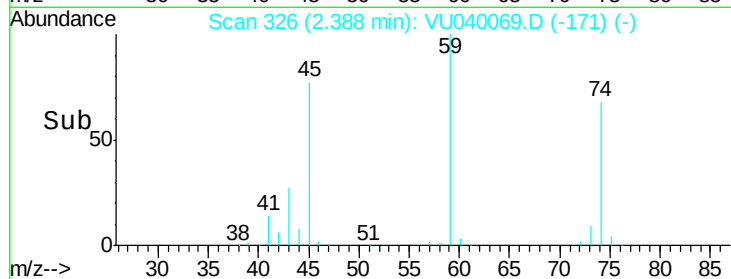
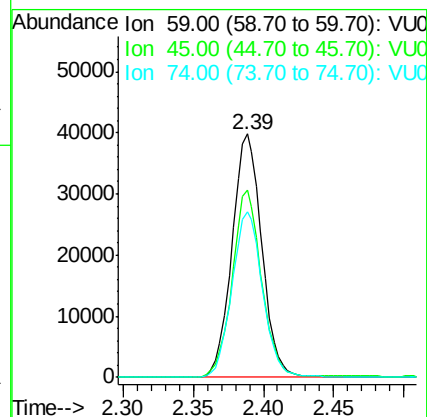
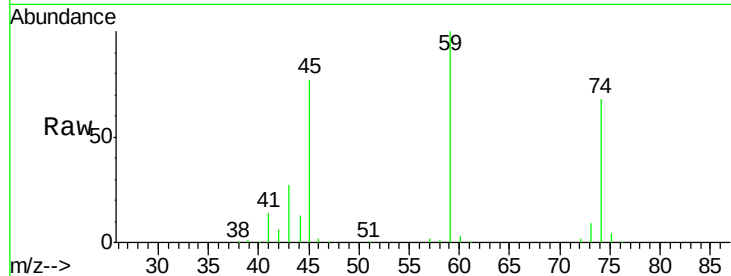
#23
Diethyl Ether
Concen: 10.257 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
45	76.3	62.4	93.6
74	69.9	57.7	86.5

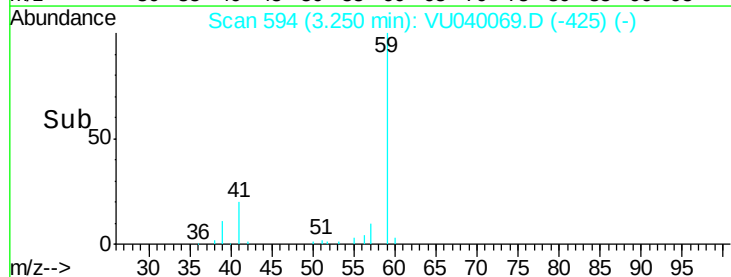
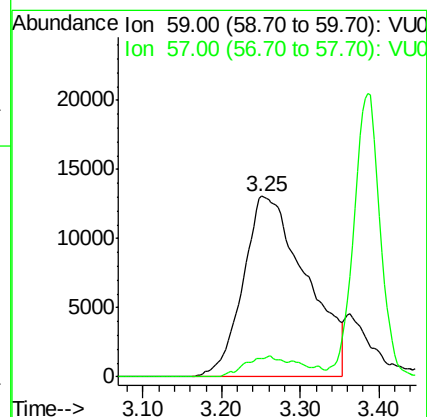
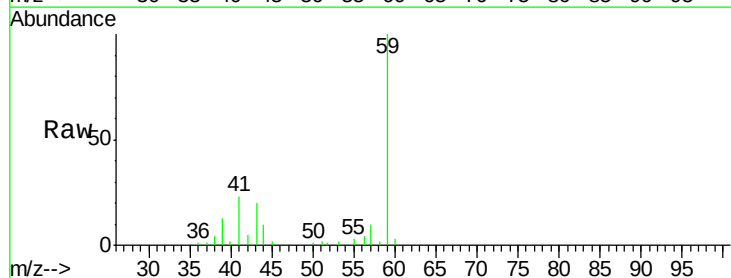
Manual Integrations
APPROVED

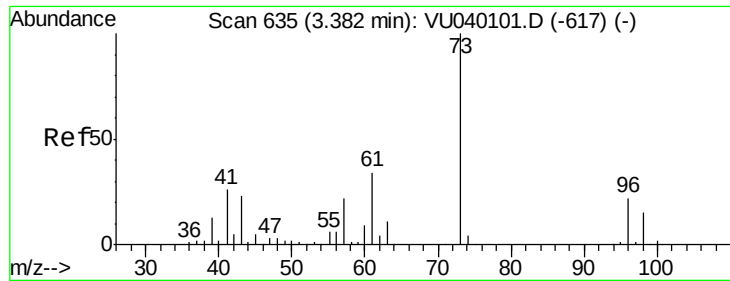
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 94.798 ug/l
RT: 3.25 min Scan# 594
Delta R.T. 0.04 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.1	9.0	13.6





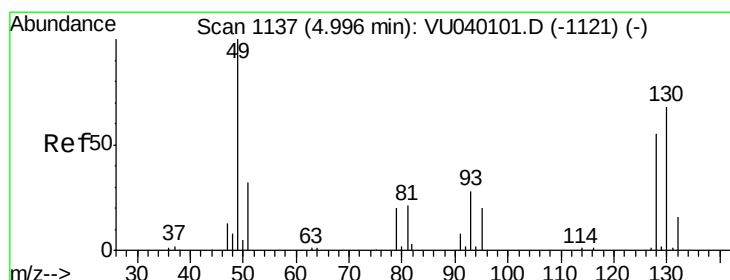
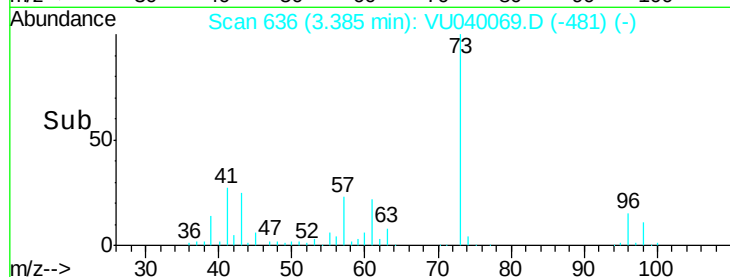
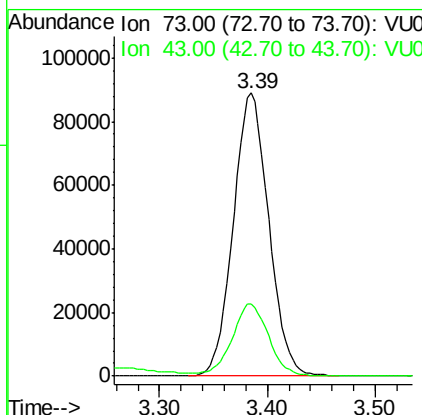
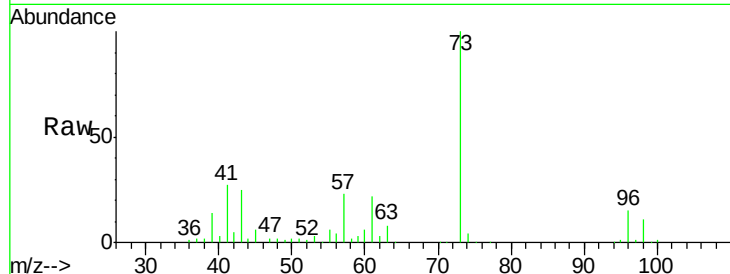
#25
Methyl tert-Butyl Ether
Concen: 10.103 ug/l
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 73 Resp: 203801
Ion Ratio Lower Upper
73 100
43 25.7 20.0 30.0

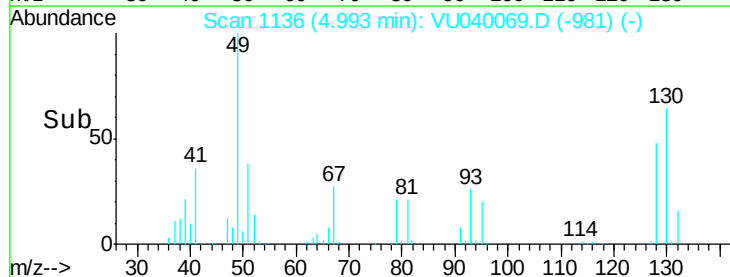
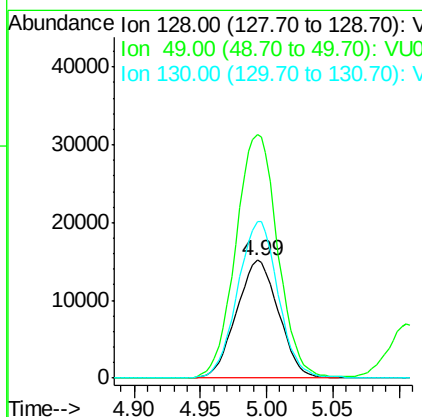
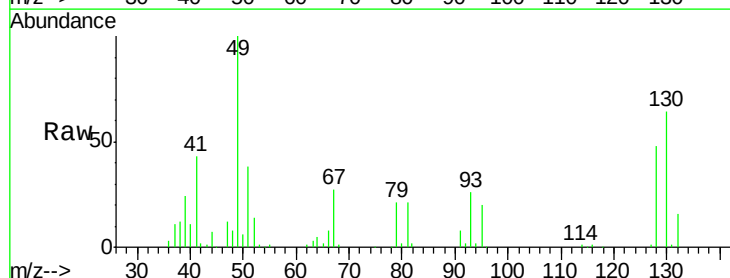
Manual Integrations
APPROVED

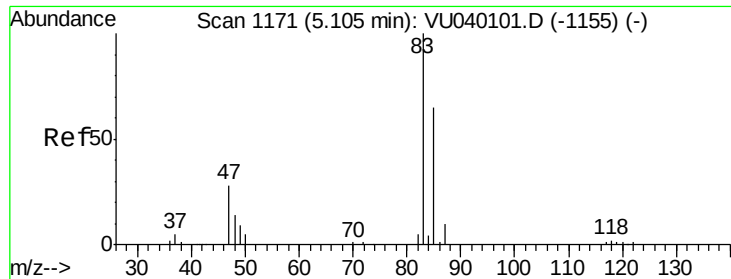
MMDadoda
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#26
Bromochloromethane
Concen: 10.077 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion: 128 Resp: 33484
Ion Ratio Lower Upper
128 100
49 206.1 0.0 390.6
130 128.6 104.9 157.3





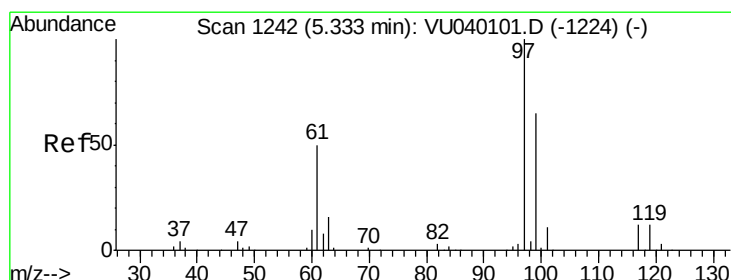
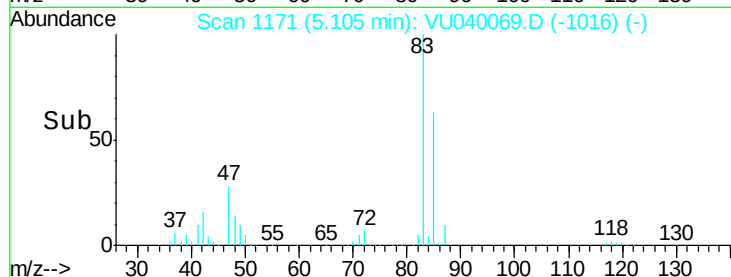
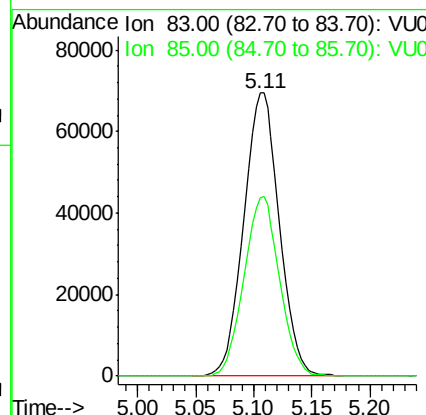
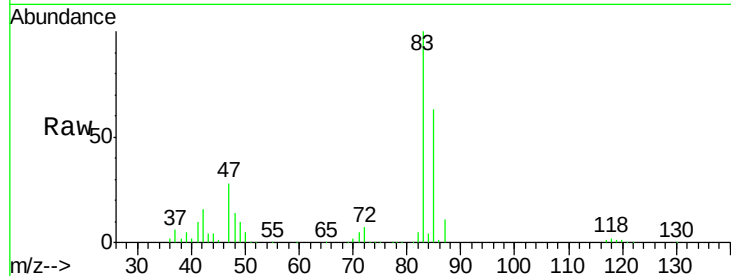
#27
Chloroform
Concen: 10.198 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	148360
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	0.0	132.4

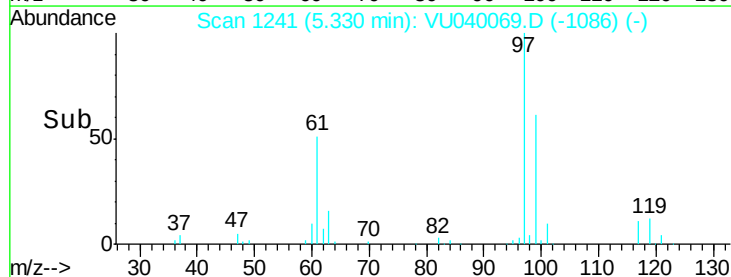
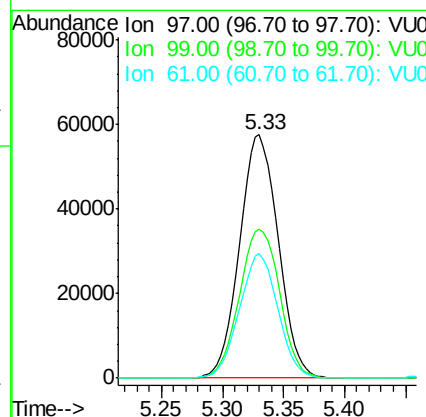
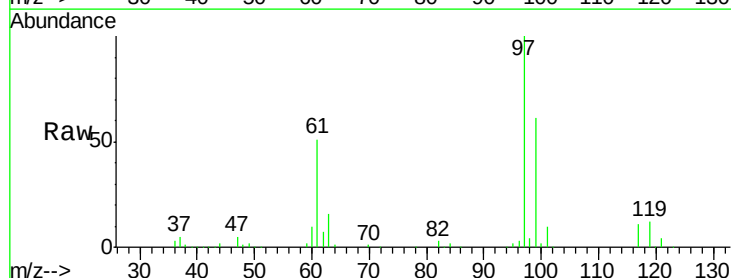
Manual Integrations
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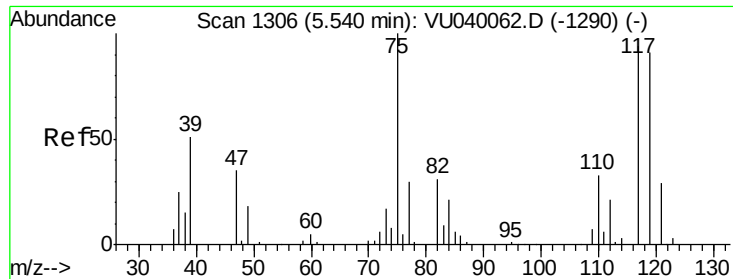
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 10.003 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	97	Resp	126549
Ion Ratio	100	Lower	Upper
97	100		
99	63.6	31.8	95.4
61	50.9	25.1	75.2





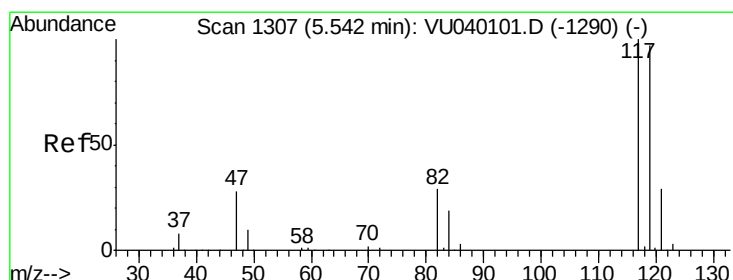
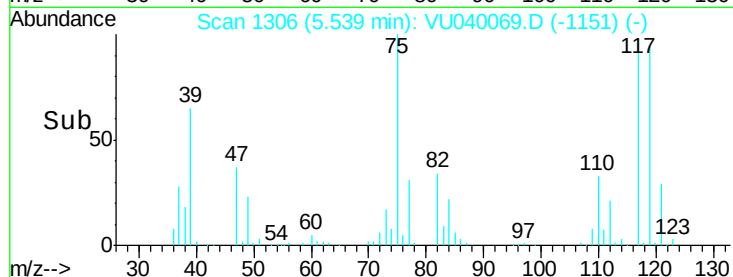
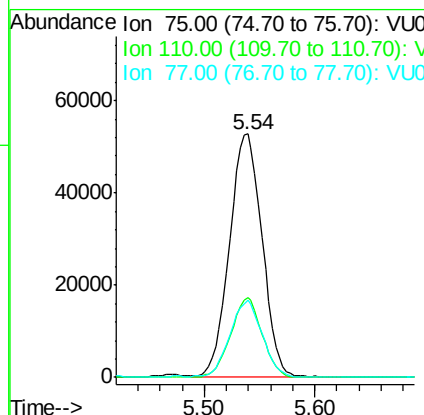
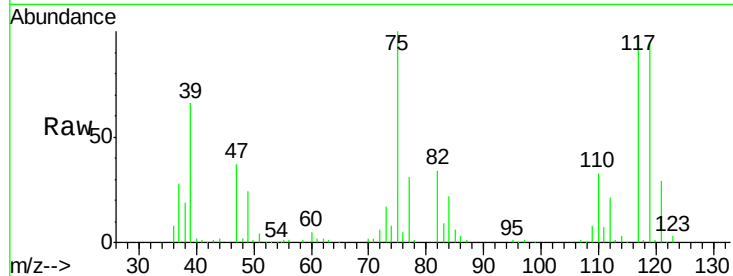
#29
 1,1-Dichloropropene
 Concen: 10.094 ug/l
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.4	16.2	48.6	
77	31.4	25.3	37.9	

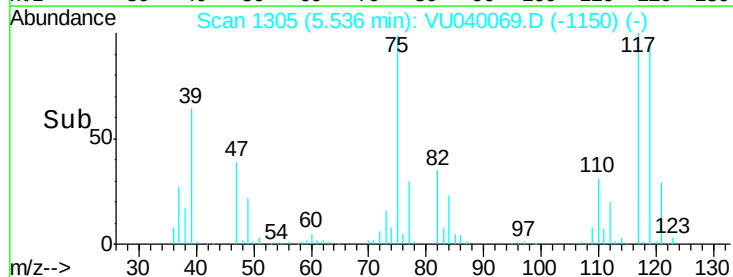
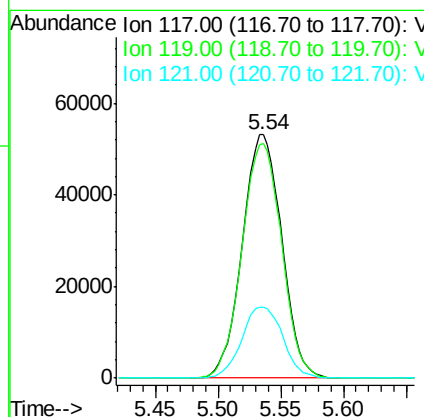
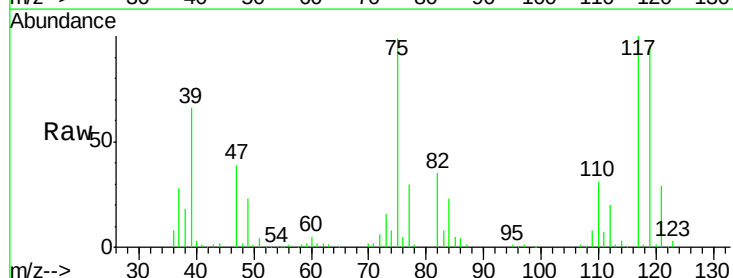
Manual Integrations
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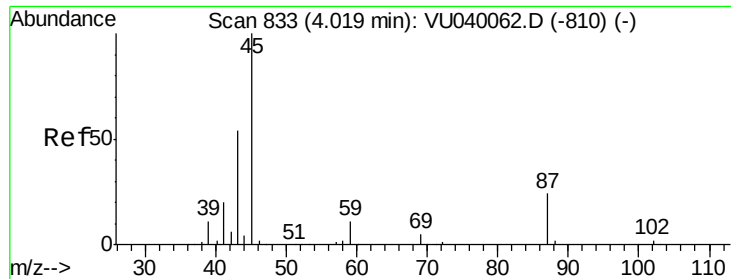
MMDadoda
 9/17/2020 4:47:46 PM



#30
 Carbon Tetrachloride
 Concen: 10.093 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.4	77.0	115.4	
121	29.1	24.2	36.4	





#31

Isopropyl Ether

Concen: 10.097 ug/l

RT: 4.02 min Scan# 833

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 249119

Ion Ratio Lower Upper

45 100

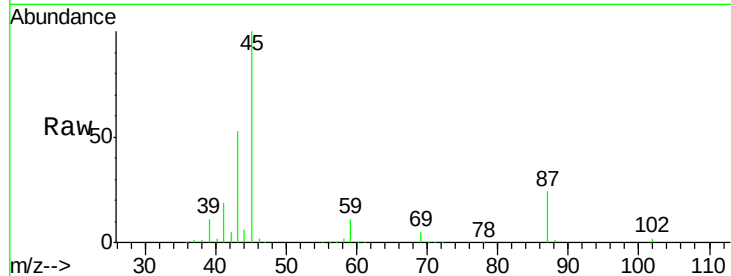
43 53.9 27.9 83.7

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Abundance Ion 45.00 (44.70 to 45.70): VU040069.D (-678) (-)

Ion 43.00 (42.70 to 43.70): VU040069.D (-678) (-)

4.02

100000

80000

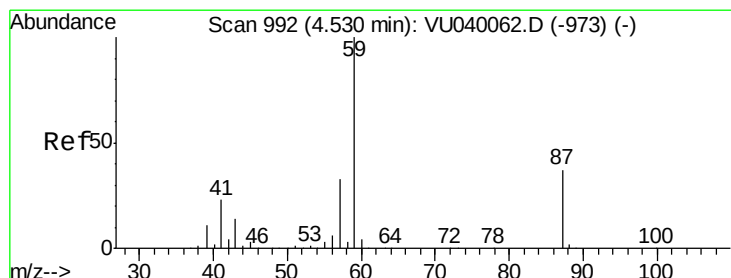
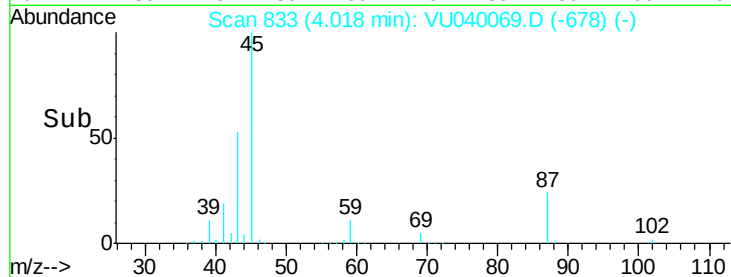
60000

40000

20000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 10.152 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU040069.D

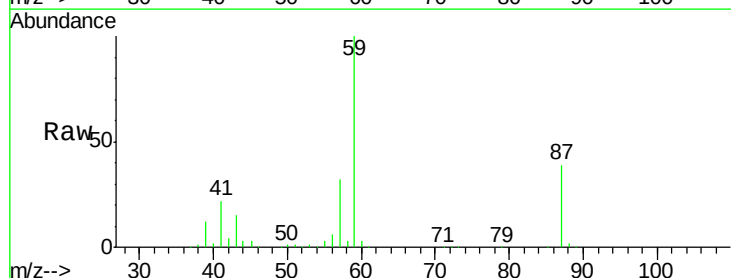
Acq: 09 Sep 2020 18:42

Tgt Ion: 59 Resp: 227008

Ion Ratio Lower Upper

59 100

87 38.7 30.7 46.1



Abundance Ion 59.00 (58.70 to 59.70): VU040069.D (-837) (-)

Ion 87.00 (86.70 to 87.70): VU040069.D (-837) (-)

4.53

100000

80000

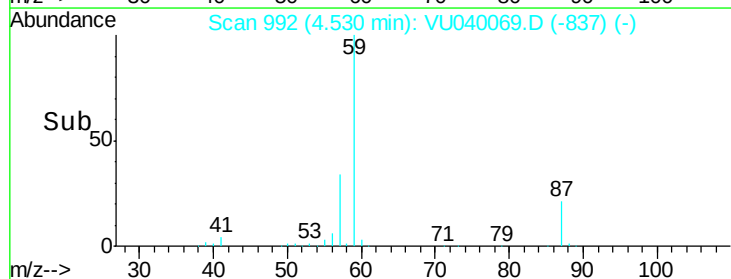
60000

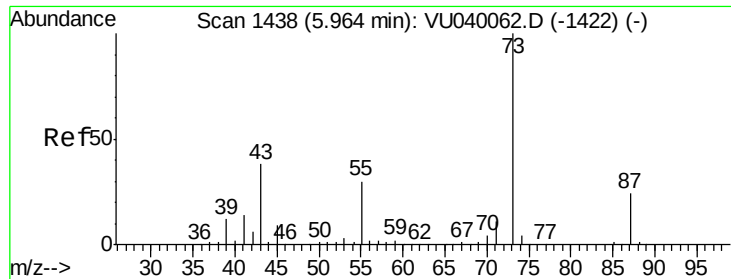
40000

20000

0

Time-->





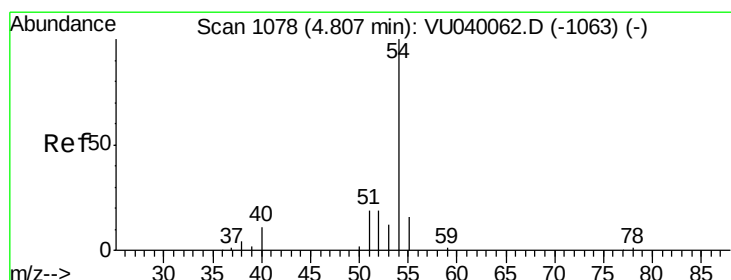
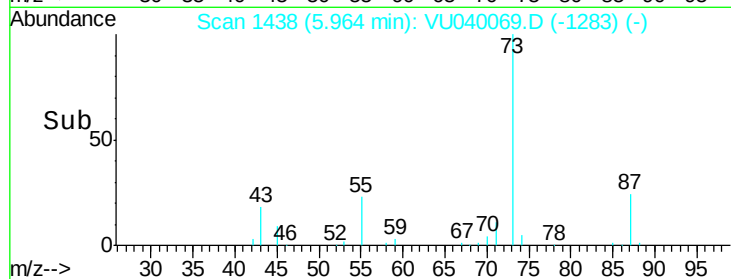
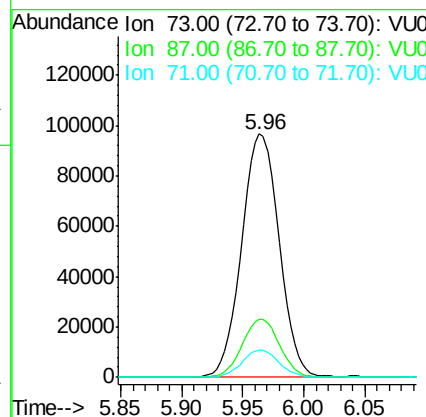
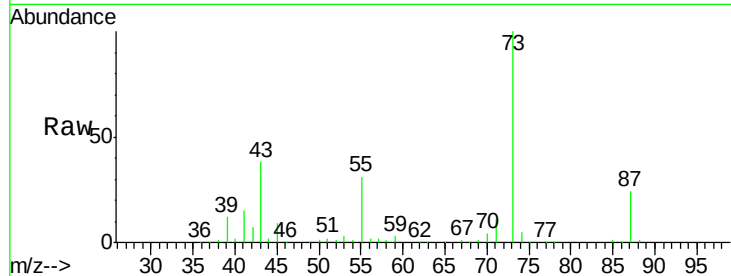
#33
Tert-Butyl methyl ether
Concen: 10.388 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.9	19.4	29.0
71	11.1	9.2	13.8

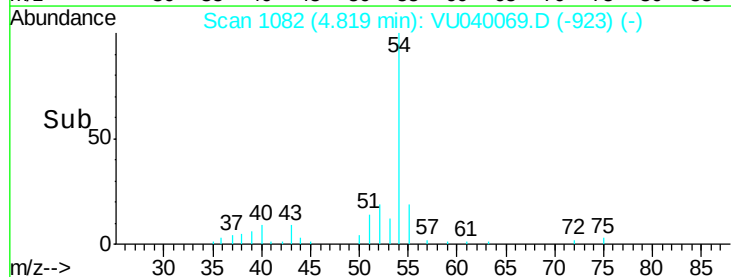
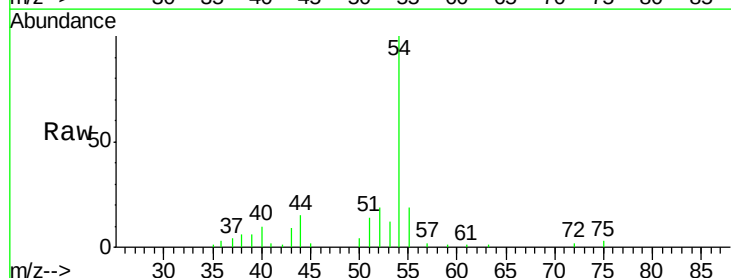
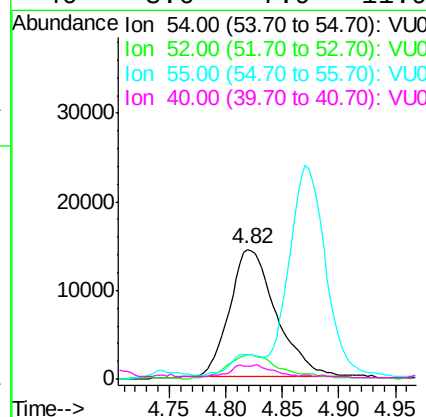
Manual Integrations
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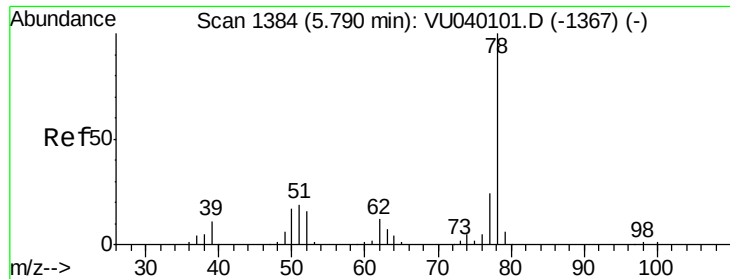
MMDadoda
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#34
Propionitrile
Concen: 55.600 ug/l
RT: 4.82 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.5	16.2	24.4
55	13.3	12.6	18.8
40	3.6	7.9	11.9





#35

Benzene

Concen: 10.363 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 308922

Ion Ratio Lower Upper

78 100

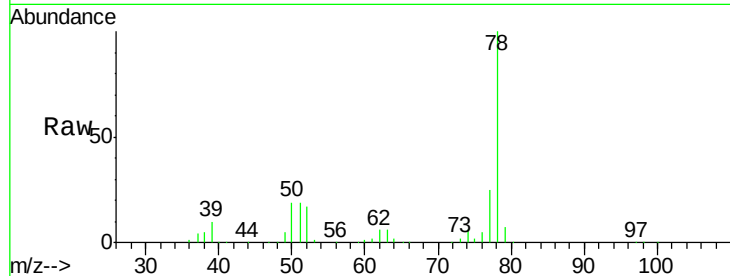
77 25.2 19.1 28.7

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

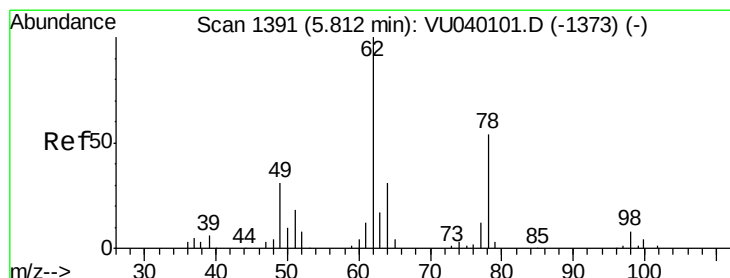
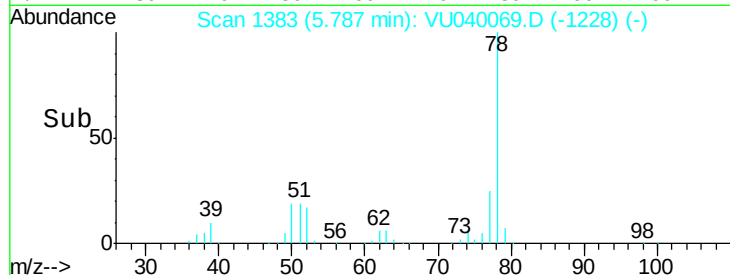
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 10.283 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU040069.D

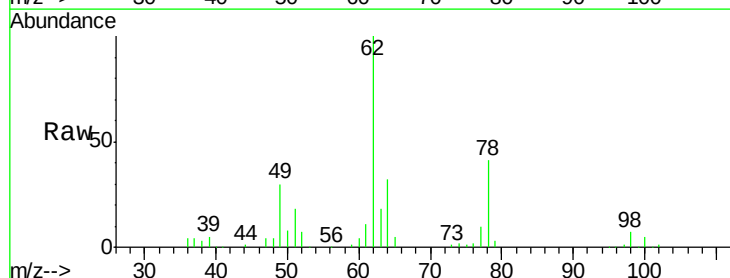
Acq: 09 Sep 2020 18:42

Tgt Ion: 62 Resp: 119246

Ion Ratio Lower Upper

62 100

98 7.7 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

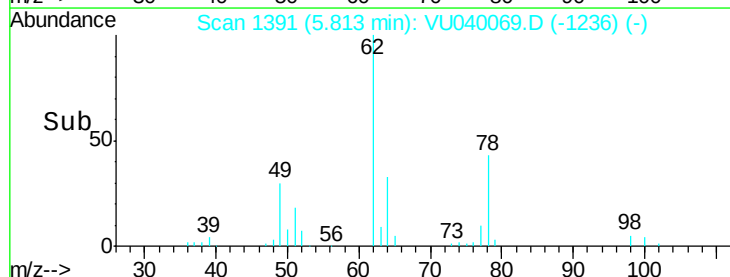
60000

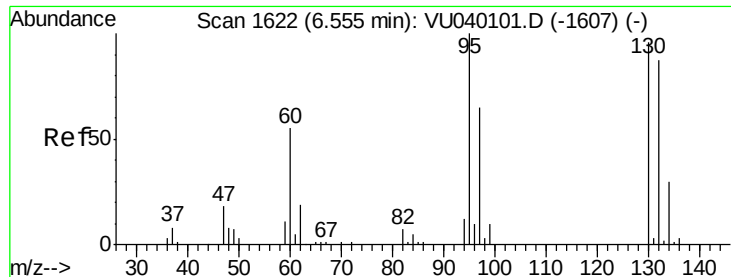
40000

20000

0

Time-->





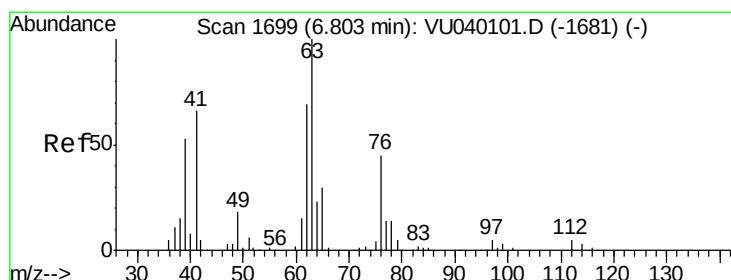
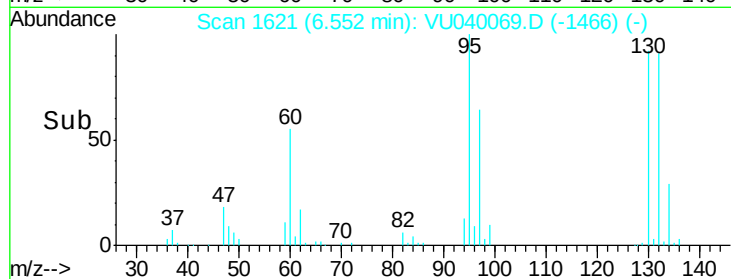
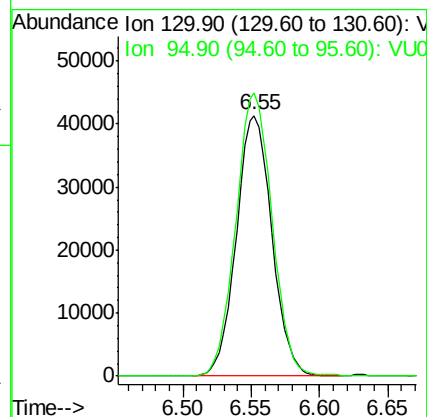
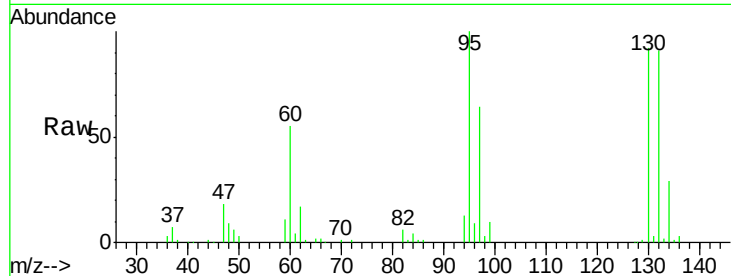
#37
 Trichloroethene
 Concen: 9.868 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:130 Resp: 74787
 Ion Ratio Lower Upper
 130 100
 95 108.5 84.2 126.2

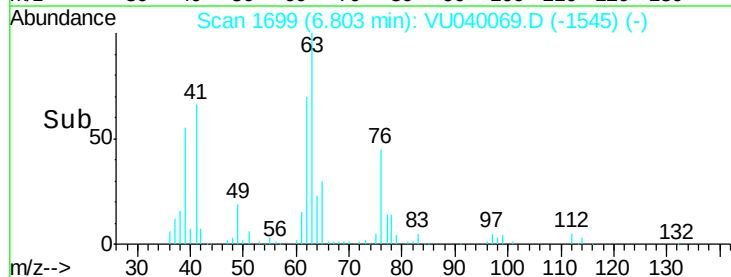
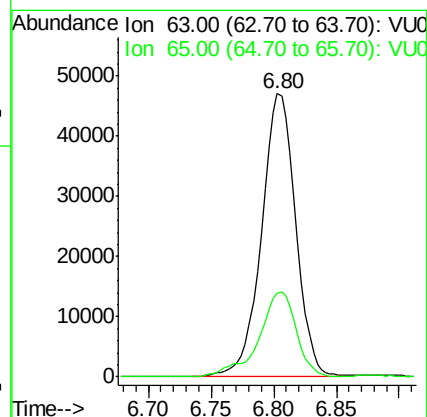
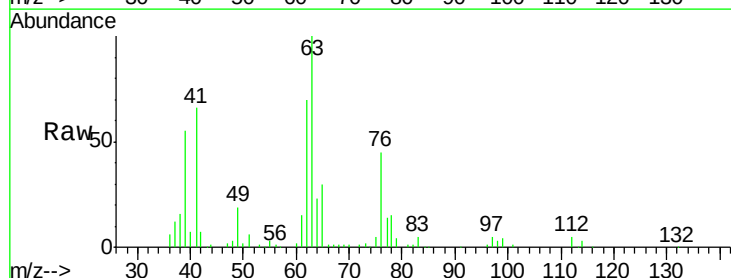
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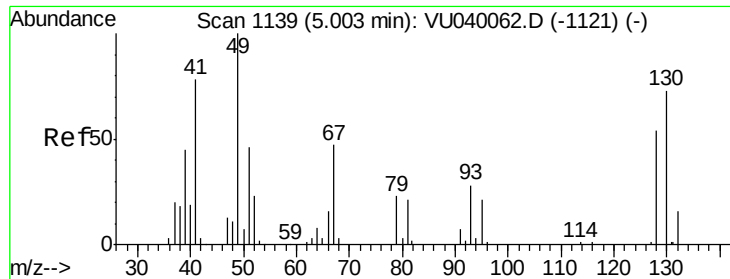
MMDadoda
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#38
 1,2-Dichloropropane
 Concen: 10.348 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Tgt Ion: 63 Resp: 89312
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.0 34.6





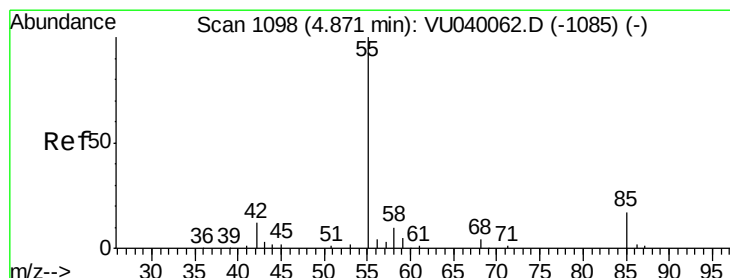
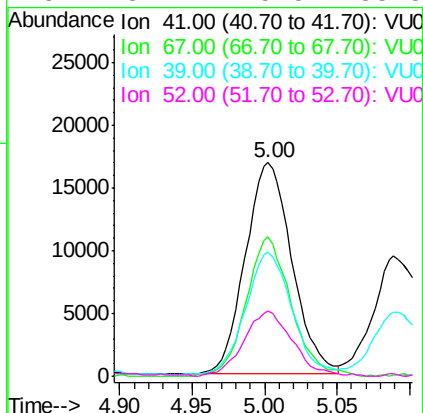
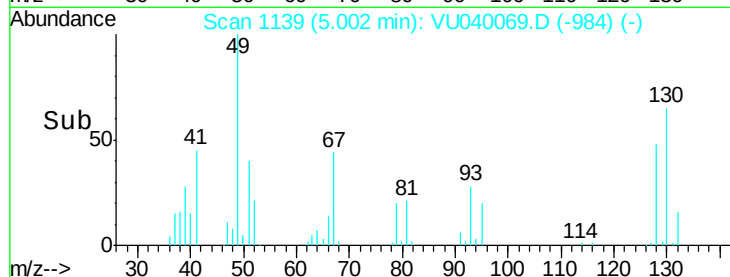
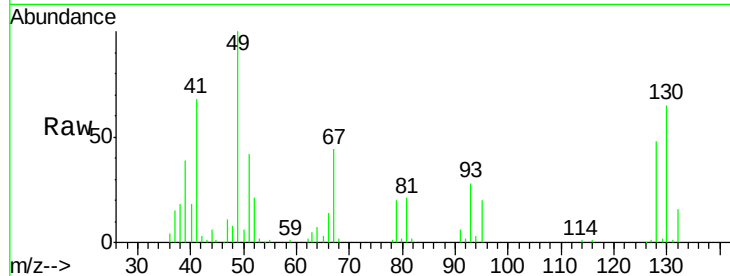
#39
Methacrylonitrile
Concen: 9.517 ug/l
RT: 5.00 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
67	63.3	49.2	73.8	
39	57.5	46.5	69.7	
52	32.1	25.5	38.3	

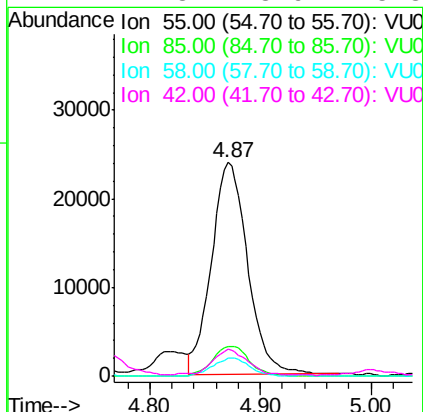
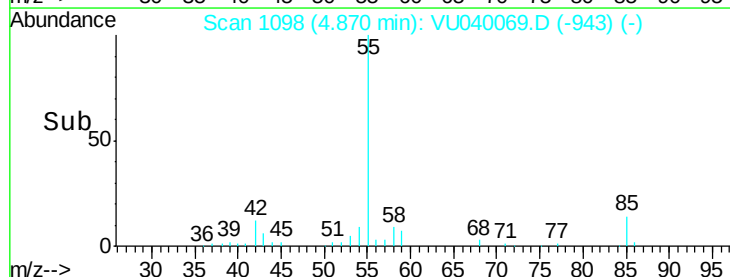
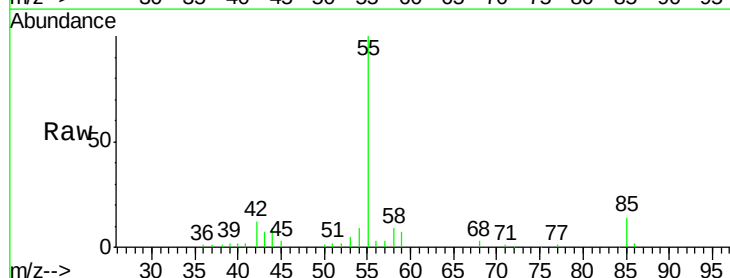
Manual Integrations
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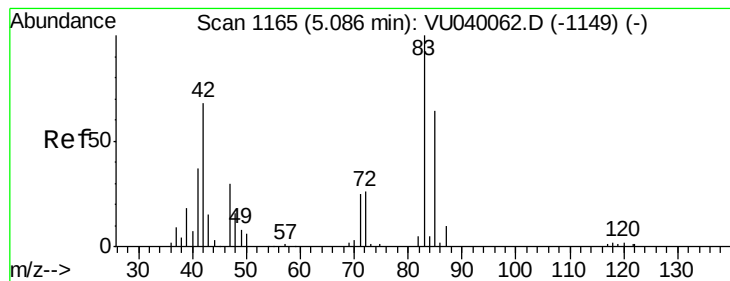
MMDadoda
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#40
Methyl acrylate
Concen: 10.679 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	Ion	Ratio	Lower	Upper
55	100			
85	14.1	13.3	19.9	
58	8.4	7.5	11.3	
42	11.8	8.9	13.3	





#41

Tetrahydrofuran

Concen: 19.919 ug/l

RT: 5.09 min Scan# 1167

Delta R.T. 0.01 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

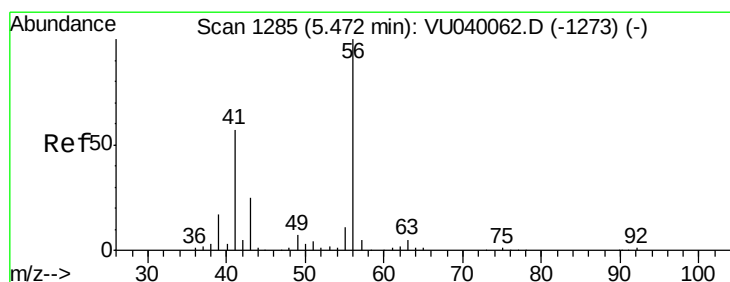
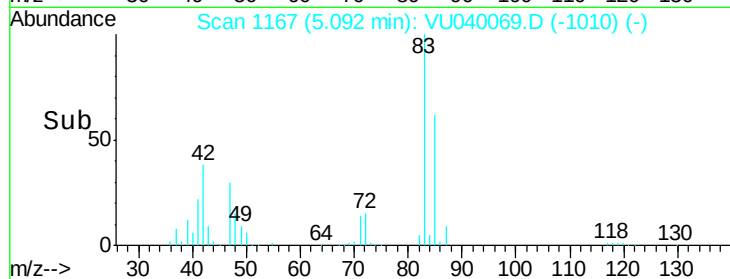
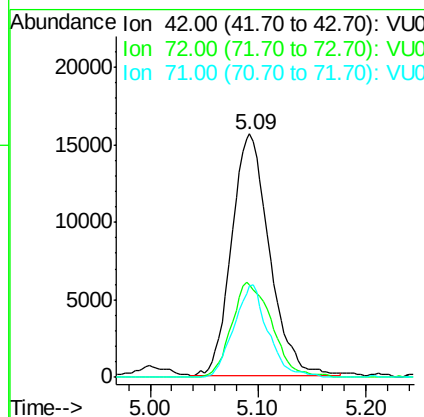
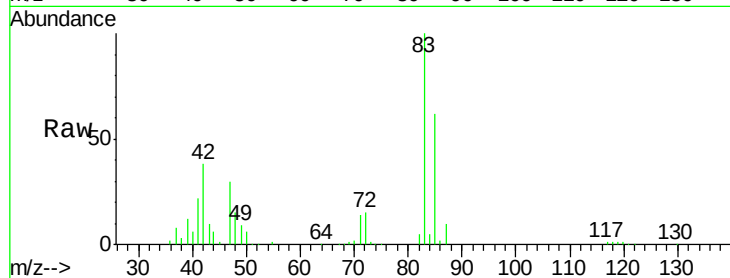
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	38109
Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.8	50.6
71	34.6	30.9	46.3

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#42

1-Chlorobutane

Concen: 10.202 ug/l

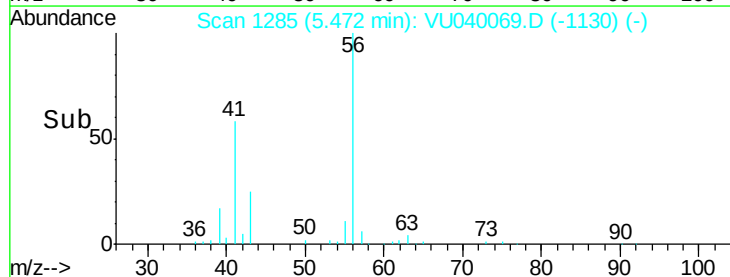
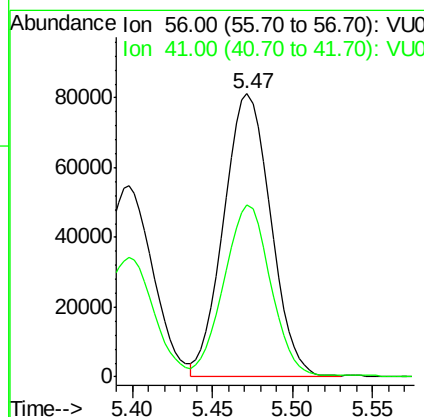
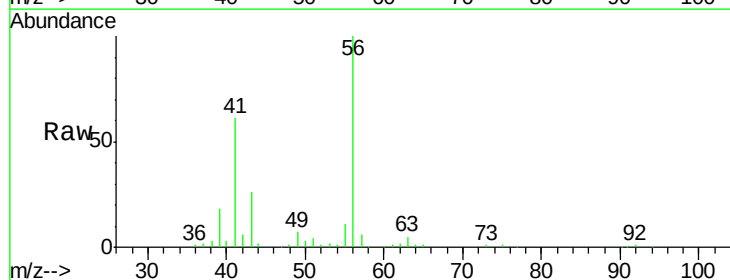
RT: 5.47 min Scan# 1285

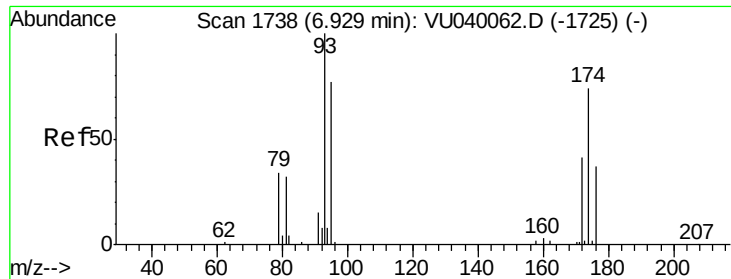
Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Tgt Ion:	56	Resp:	162276
Ion	Ratio	Lower	Upper
56	100		
41	60.5	29.2	87.6





#43

Dibromomethane

Concen: 10.107 ug/l

RT: 6.93 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

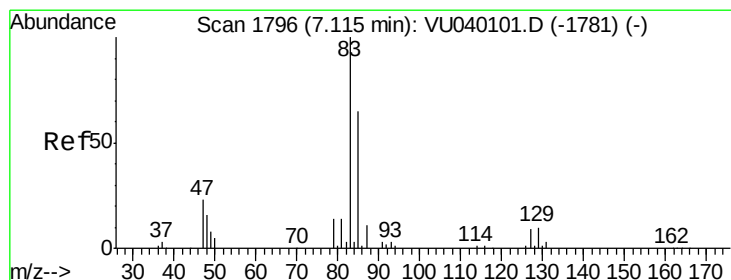
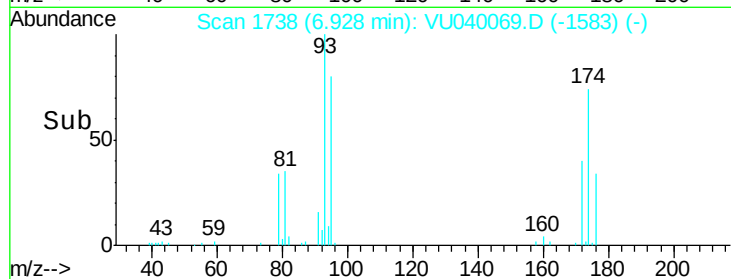
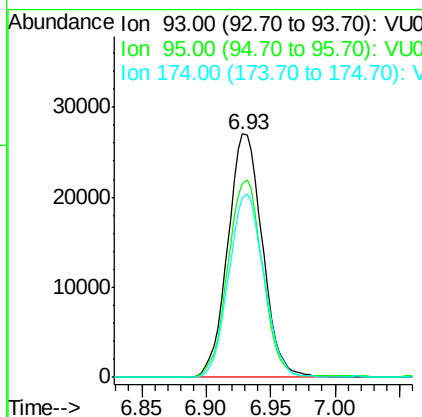
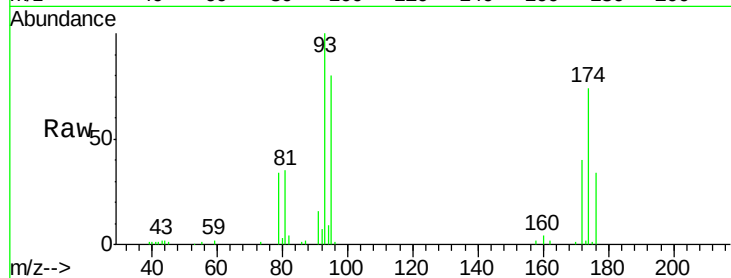
ClientSampleId :

VSTDCCC010EC

Tot Ion:	93	Resp:	50411
Ion Ratio	Lower	Upper	
93	100		
95	81.3	63.3	94.9
174	76.2	63.5	95.3

Manual Integrations
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#44

Bromodichloromethane

Concen: 10.104 ug/l

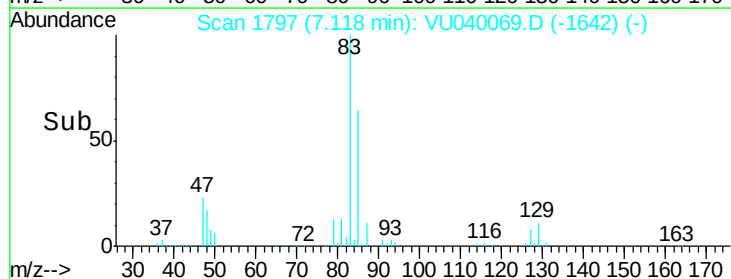
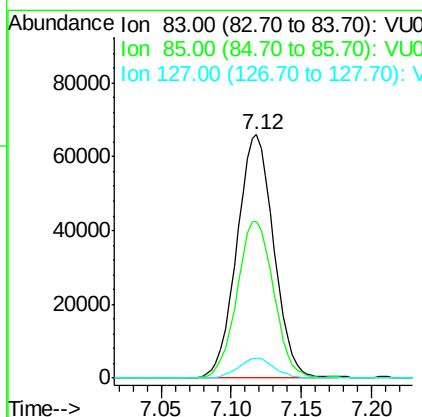
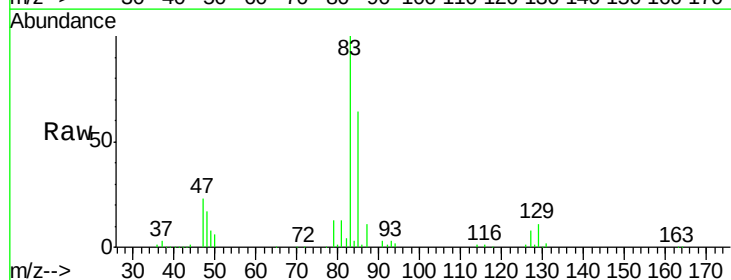
RT: 7.12 min Scan# 1797

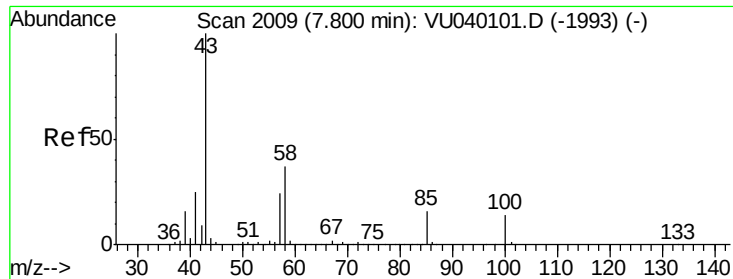
Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Tgt Ion:	83	Resp:	120975
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.1	78.1
127	8.2	6.6	9.8





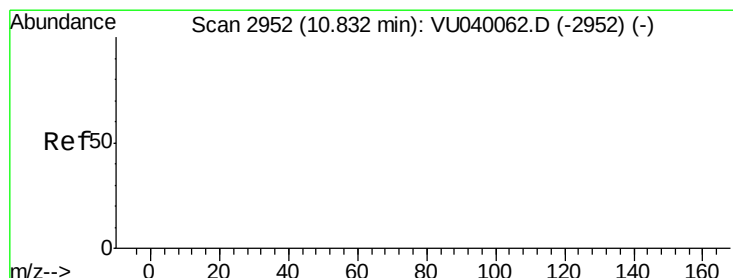
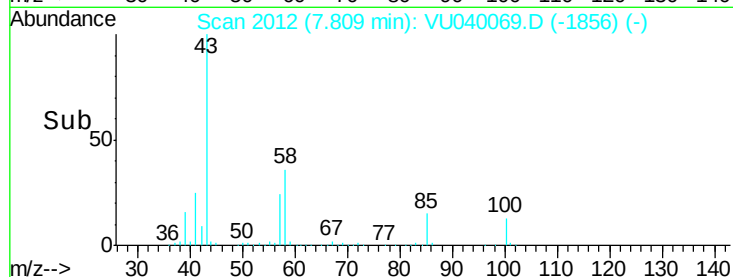
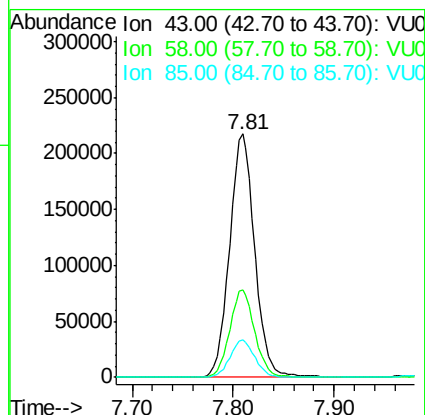
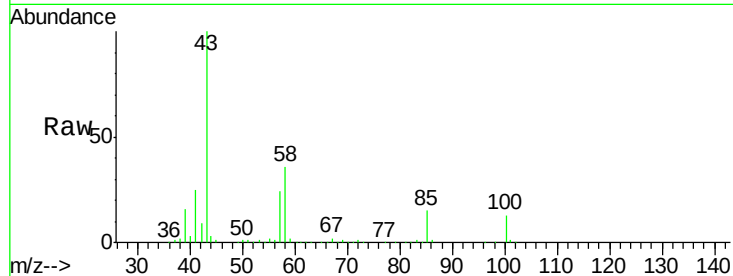
#45
4-Methyl-2-Pentanone
Concen: 55.702 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.9	18.1	54.3
85	15.1	12.3	18.5

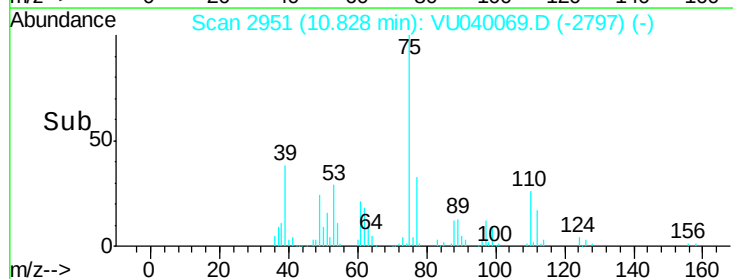
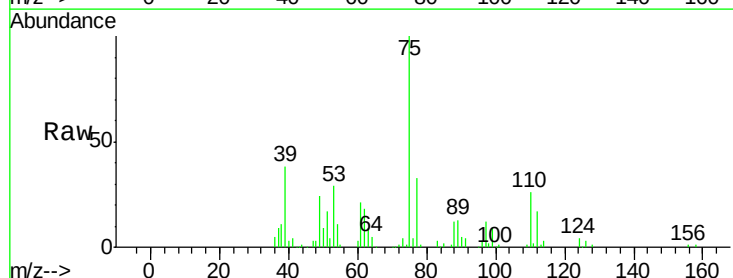
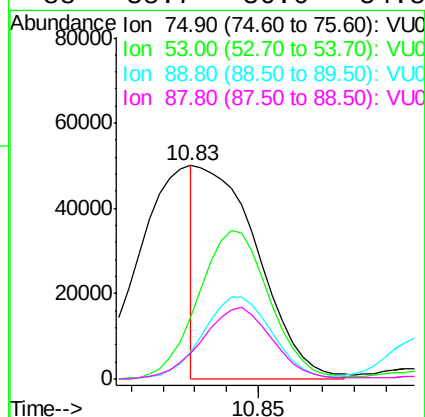
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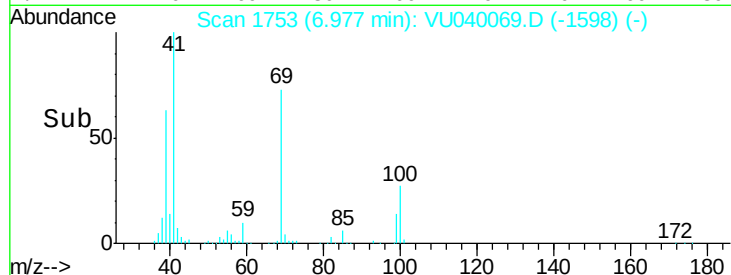
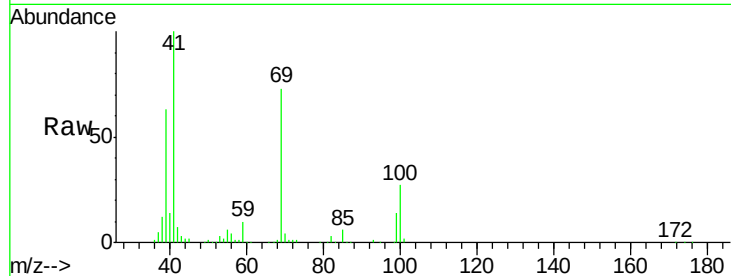
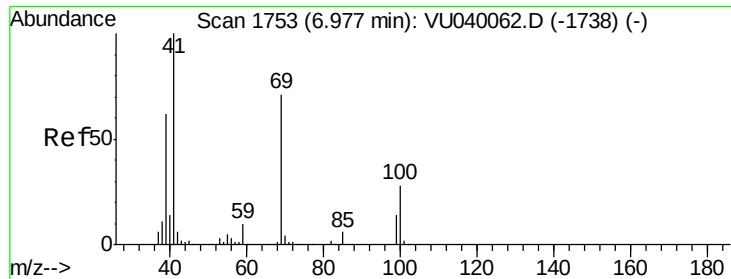
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9/17/2020 4:47:46 PM



#46
t-1,4-Dichloro-2-butene
Concen: 25.613 ug/l m
RT: 10.83 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
53	81.6	75.0	112.6
89	44.0	41.6	62.4
88	38.7	36.6	54.8





#47

Methyl methacrylate

Concen: 22.162 ug/l

RT: 6.98 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	136.4	0.0	273.0		
39	86.3	67.8	101.6		
100	36.9	29.8	44.6		

Instrument :

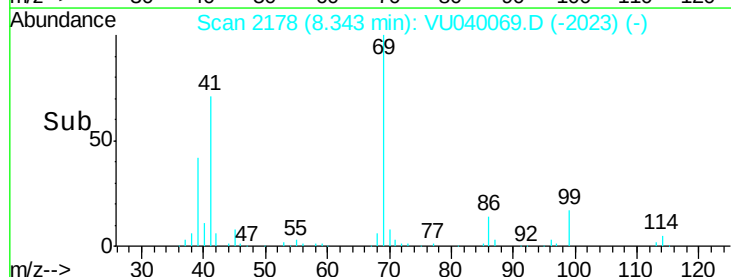
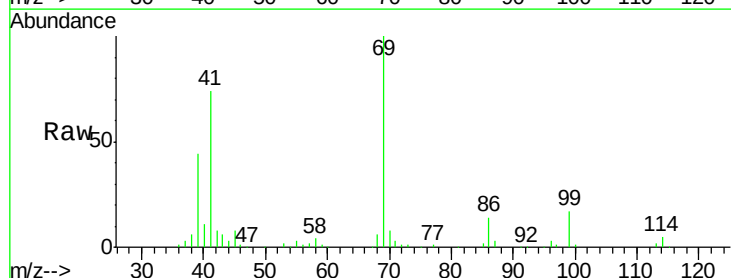
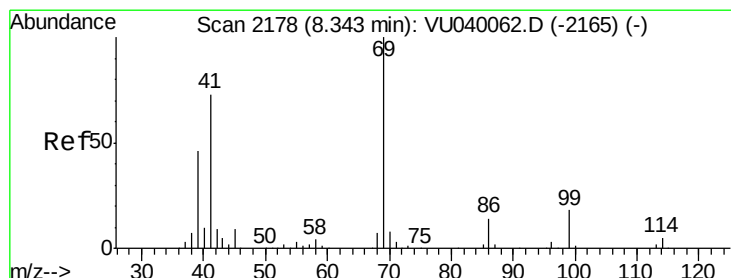
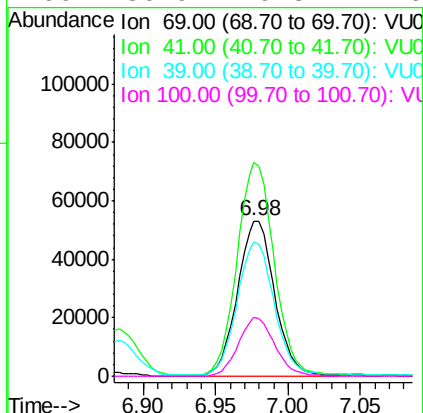
MSVOA_U

ClientSampleId :

VSTDCCC010EC

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9/17/2020 4:47:46 PM



#48

Ethyl methacrylate

Concen: 11.274 ug/l

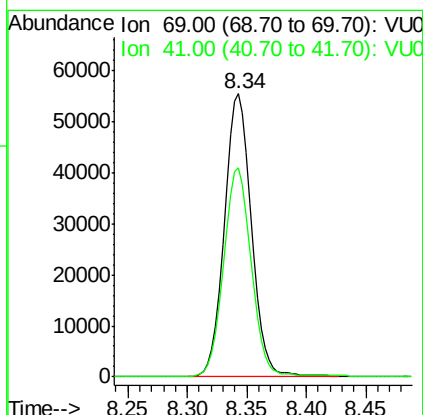
RT: 8.34 min Scan# 2178

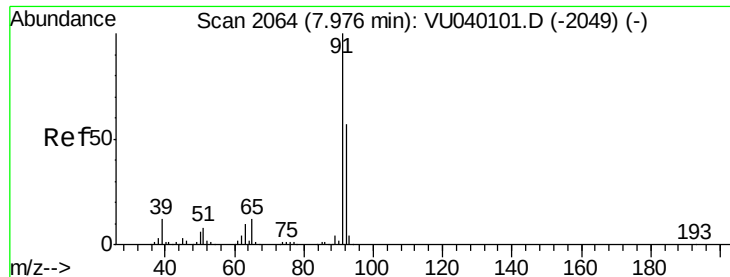
Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

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





#49

Toluene

Concen: 10.895 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 196293

Ion Ratio Lower Upper

92 100

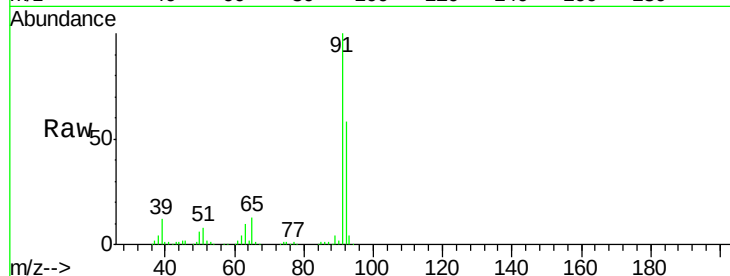
91 169.2 138.6 207.8

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU040069.D (-1909) (-)

Ion 91.00 (90.70 to 91.70): VU040069.D (-1909) (-)

200000

150000

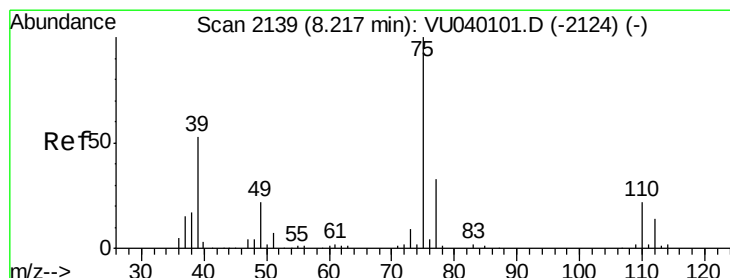
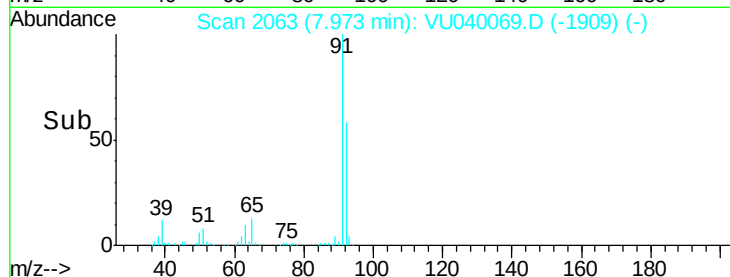
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#50

t-1,3-Dichloropropene

Concen: 10.952 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040069.D

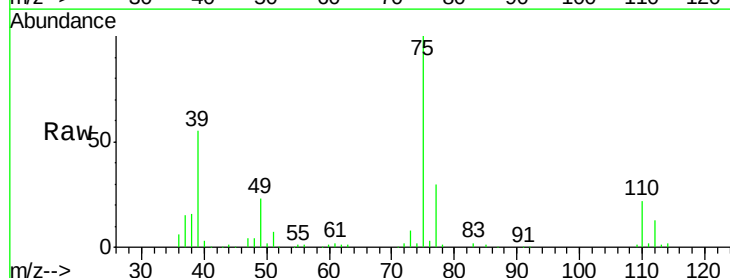
Acq: 09 Sep 2020 18:42

Tgt Ion: 75 Resp: 118272

Ion Ratio Lower Upper

75 100

77 30.2 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU040069.D (-1984) (-)

Ion 77.00 (76.70 to 77.70): VU040069.D (-1984) (-)

80000

60000

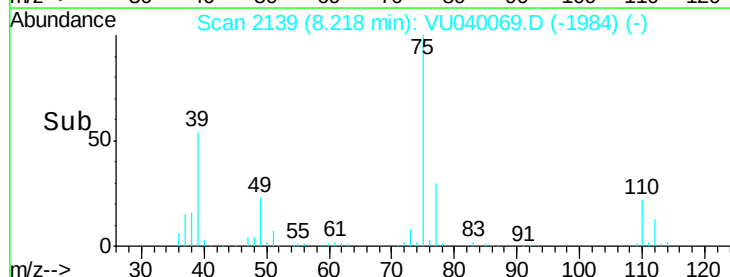
40000

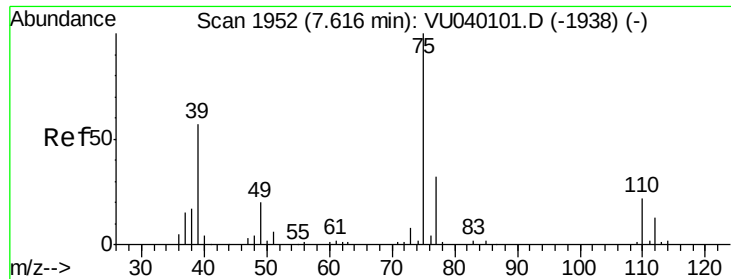
20000

0

8.15 8.20 8.25 8.30

Time-->





#51

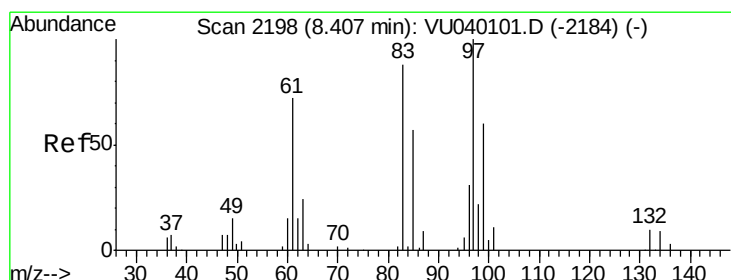
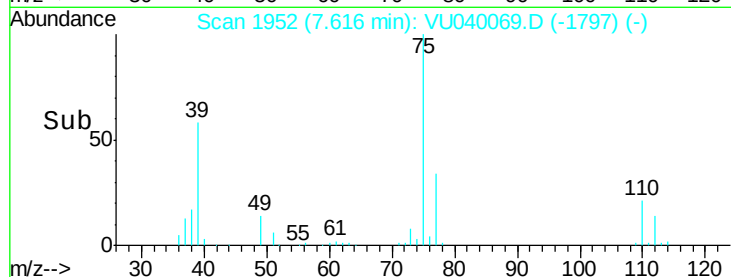
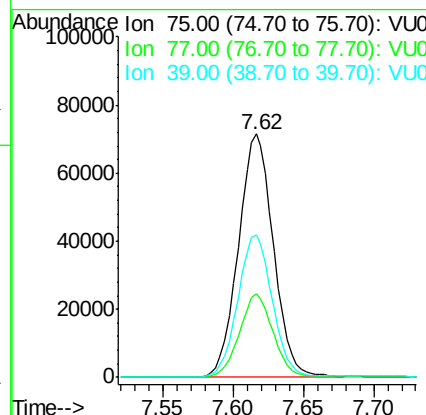
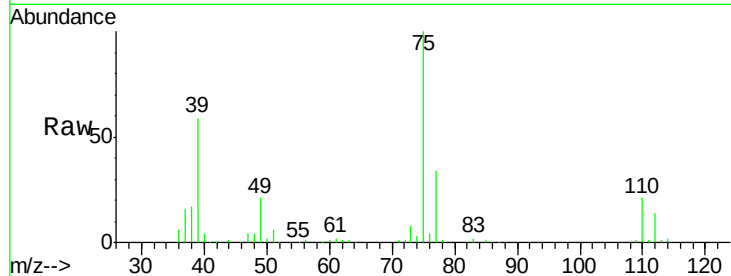
cis-1,3-Dichloropropene
Concen: 10.332 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	75	Resp	124224
Ion	Ratio	Lower	Upper
75	100		
77	34.3	24.6	37.0
39	58.7	46.2	69.4

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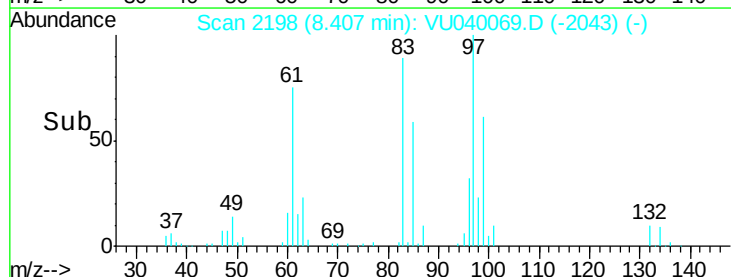
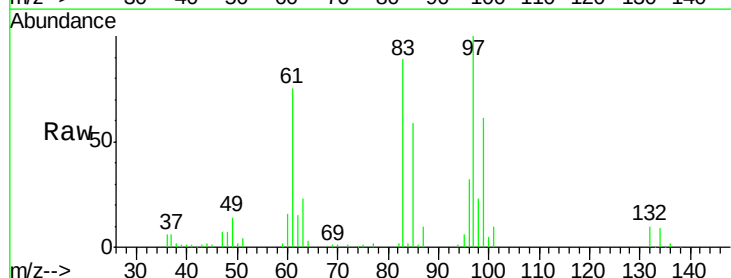
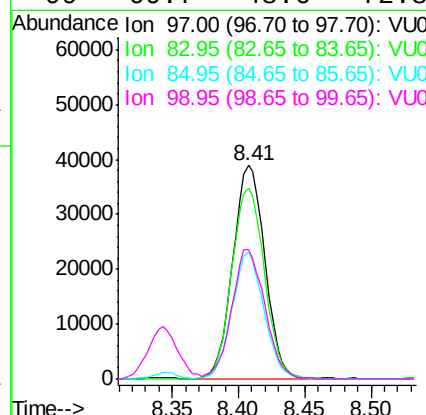
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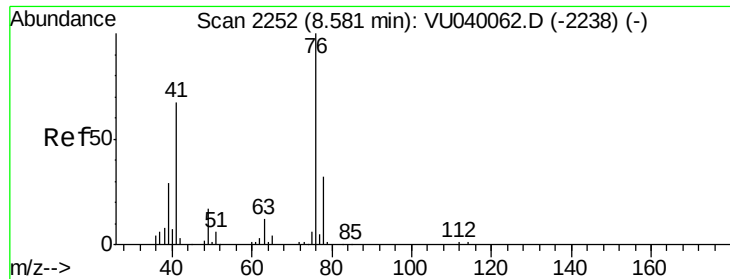


#52

1,1,2-Trichloroethane
Concen: 10.287 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	97	Resp	65732
Ion	Ratio	Lower	Upper
97	100		
83	89.4	68.7	103.1
85	59.2	46.7	70.1
99	60.7	48.6	72.8





#53

1,3-Dichloropropane

Concen: 10.532 ug/l

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 120820

Ion Ratio Lower Upper

76 100

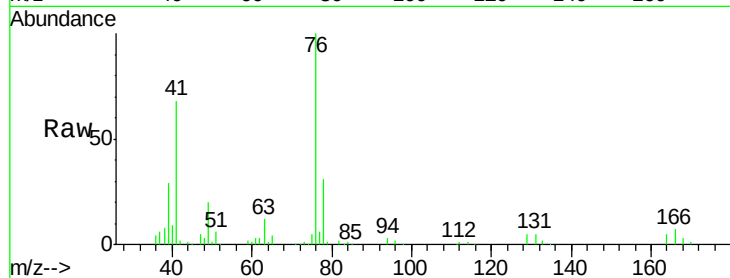
78 31.1 26.2 39.2

Manual Integrations

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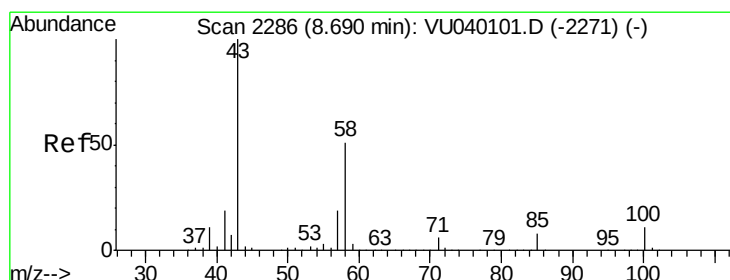
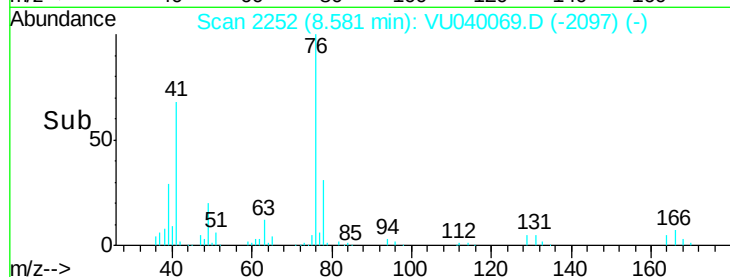
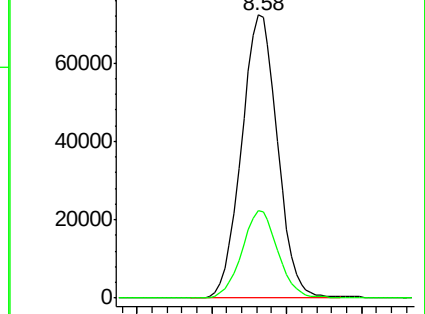
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Abundance Ion 76.00 (75.70 to 76.70): VU040069.D (-2097) (-)

Ion 78.00 (77.70 to 78.70): VU040069.D (-2097) (-)



#54

2-Hexanone

Concen: 54.827 ug/l

RT: 8.70 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

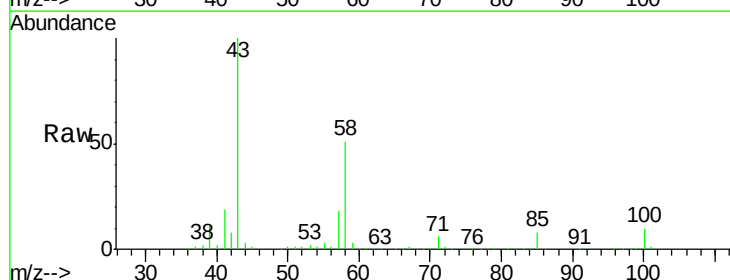
Tgt Ion: 43 Resp: 270077

Ion Ratio Lower Upper

43 100

58 50.3 29.6 69.6

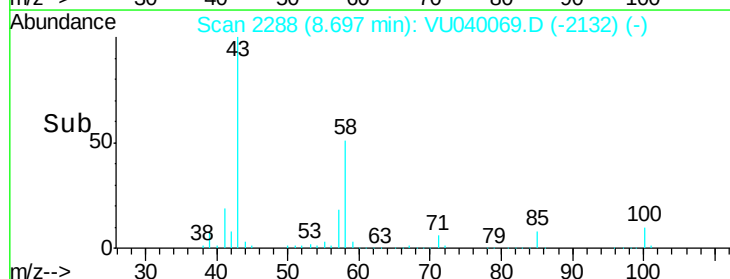
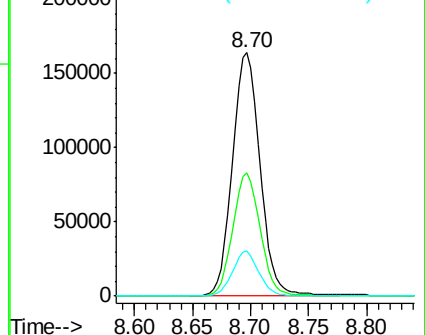
57 17.8 0.0 37.8

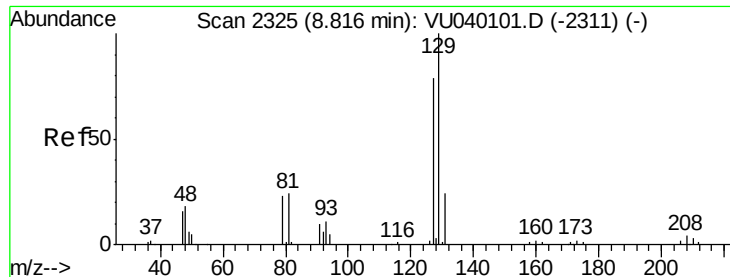


Abundance Ion 43.00 (42.70 to 43.70): VU040069.D (-2132) (-)

Ion 58.00 (57.70 to 58.70): VU040069.D (-2132) (-)

Ion 57.00 (56.70 to 57.70): VU040069.D (-2132) (-)





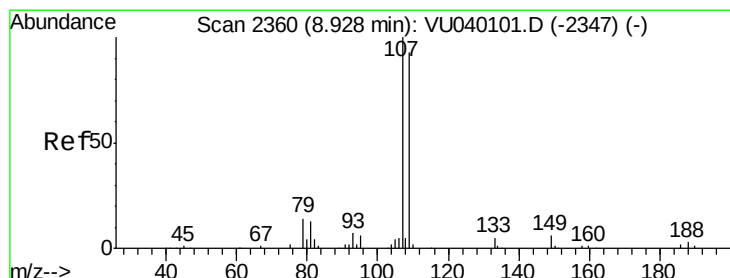
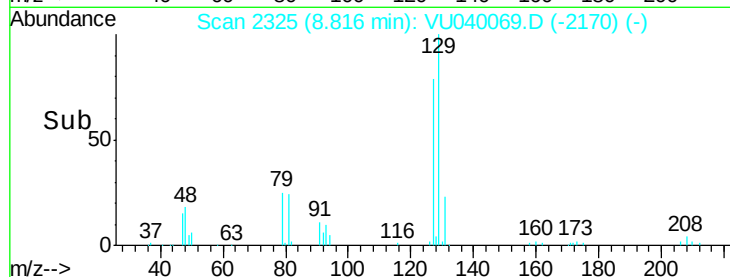
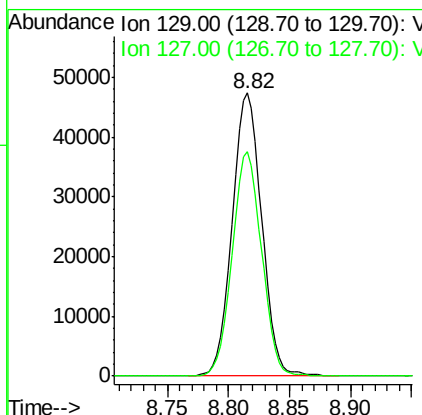
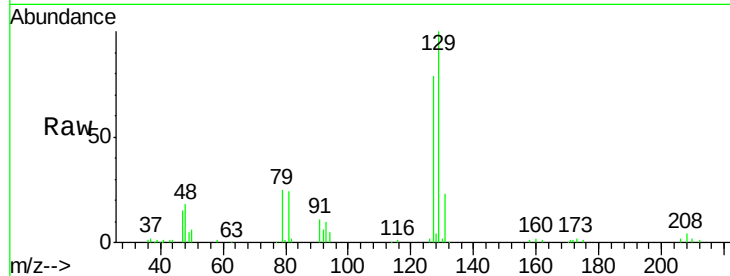
#55
 Dibromochloromethane
 Concen: 10.709 ug/l
 RT: 8.82 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.8	62.7	94.1	

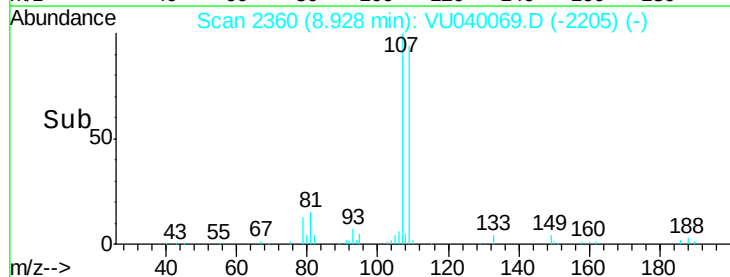
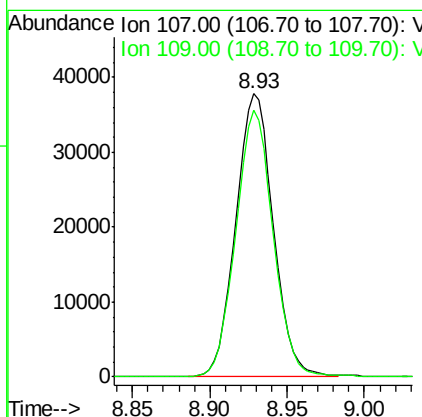
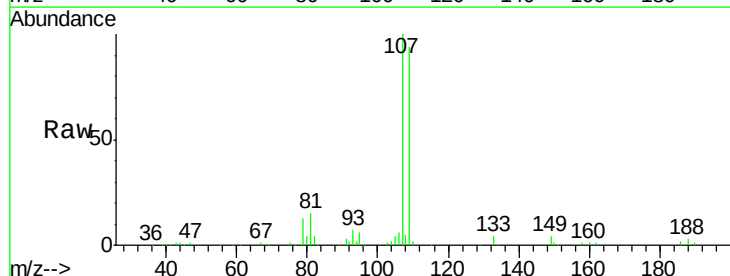
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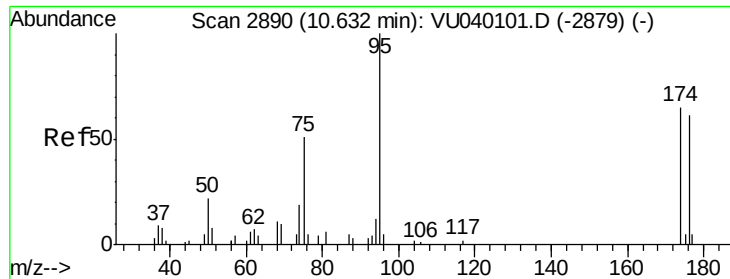
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 9/17/2020 4:47:46 PM



#56
 1,2-Dibromoethane
 Concen: 10.688 ug/l
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	93.7	0.0	191.0	





#57

4-Bromofluorobenzene

Concen: 0.940 ug/l

RT: 10.63 min Scan# 2889

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

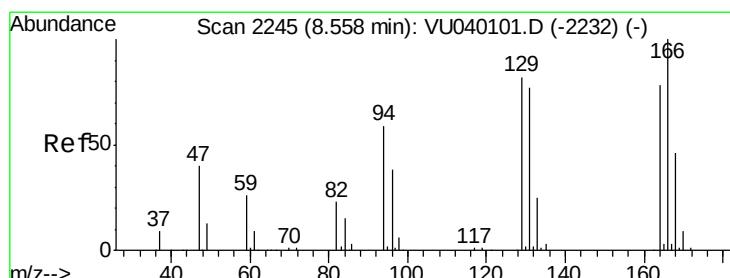
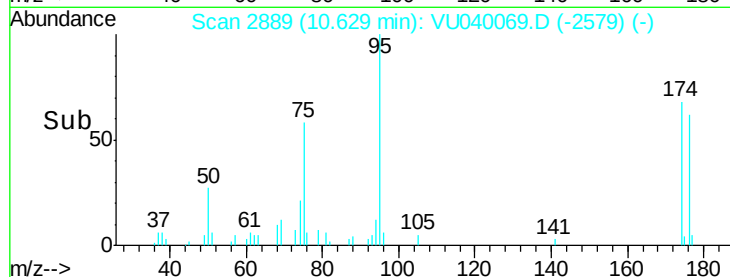
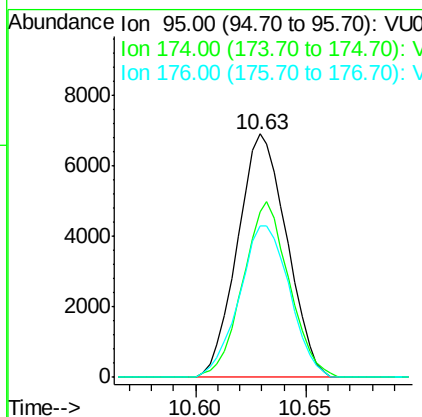
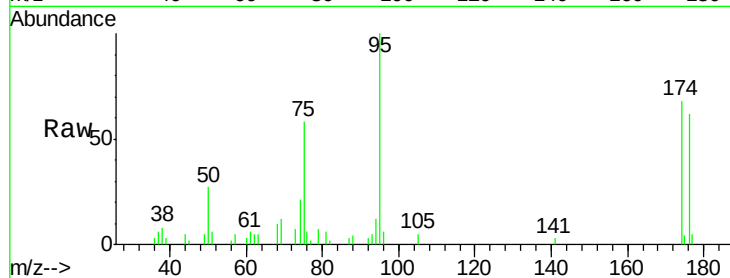
ClientSampleId :

VSTDCCC010EC

Tot Ion:	95	Resp:	10731
Ion Ratio	Lower	Upper	
95	100		
174	67.8	49.4	74.0
176	63.7	50.1	75.1

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9/17/2020 4:47:46 PM



#58

Tetrachloroethene

Concen: 10.042 ug/l

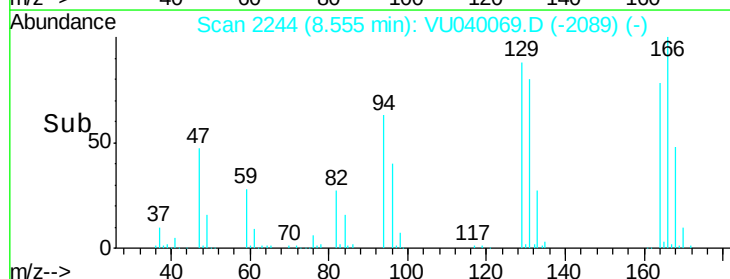
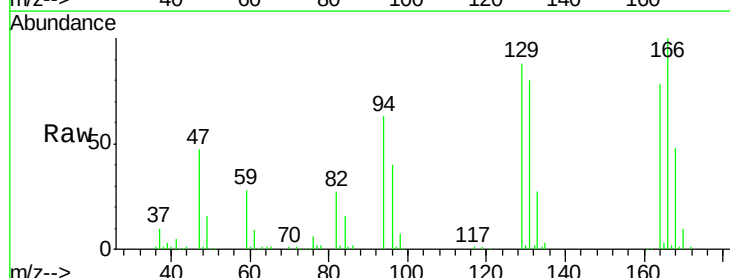
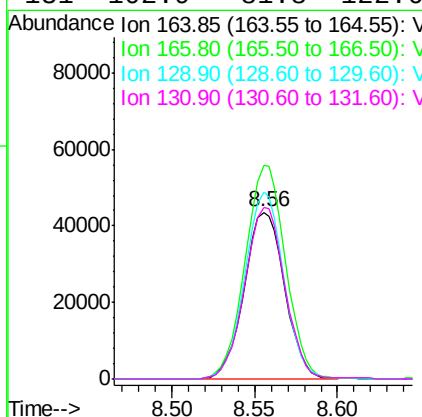
RT: 8.56 min Scan# 2244

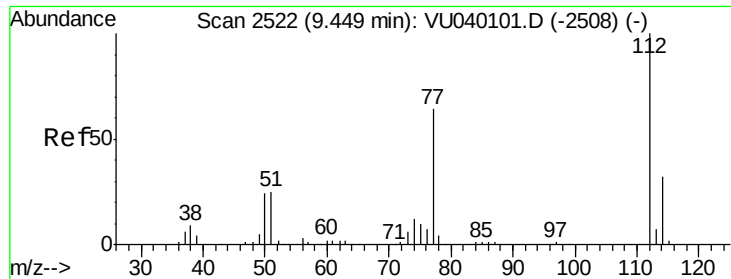
Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Tgt Ion:	164	Resp:	73864
Ion Ratio	Lower	Upper	
164	100		
166	127.9	101.3	151.9
129	112.0	84.8	127.2
131	102.9	81.8	122.6





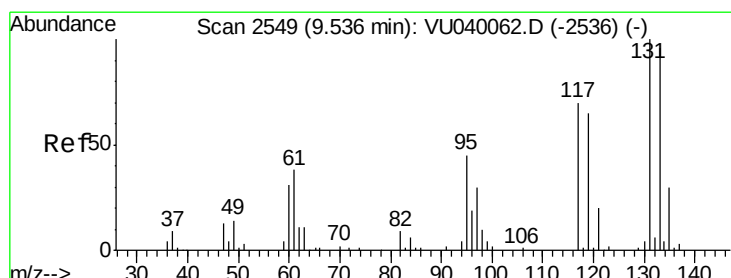
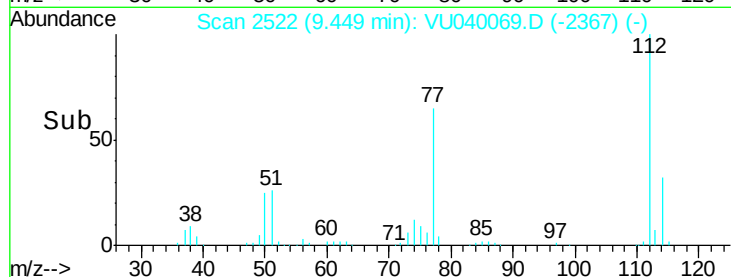
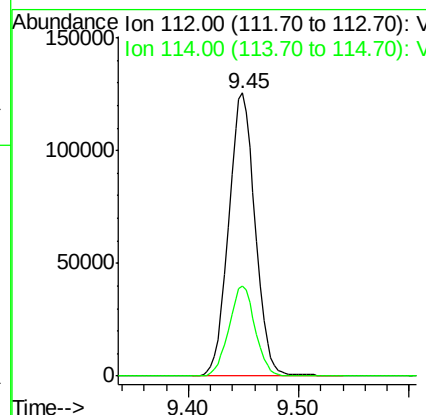
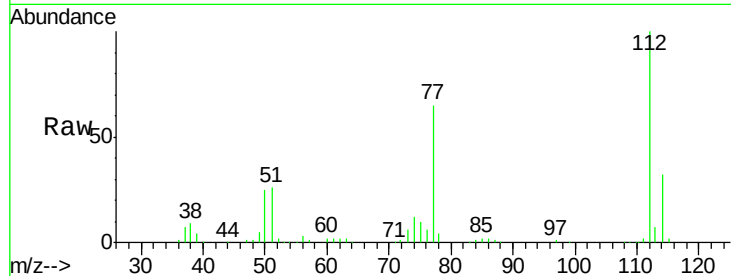
#59
Chlorobenzene
Concen: 10.460 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.8	37.2

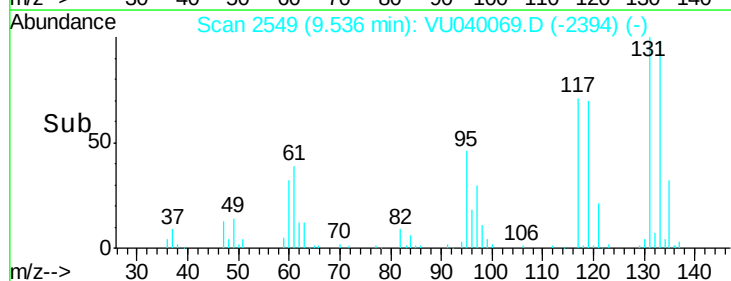
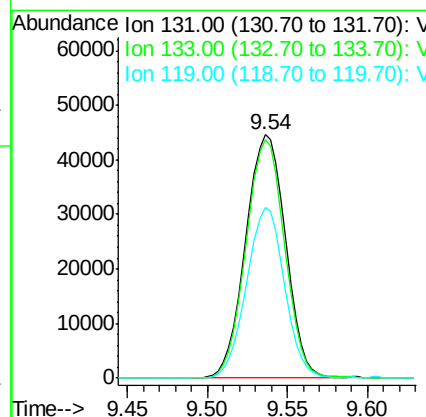
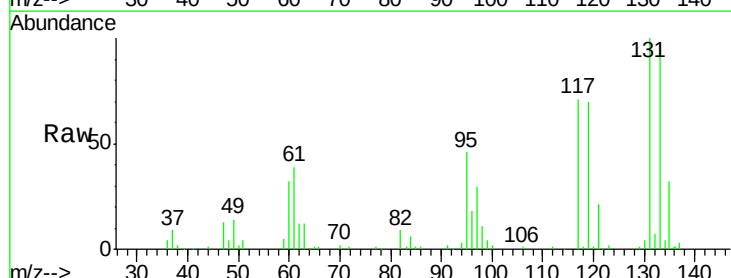
Manual Integrations
APPROVED

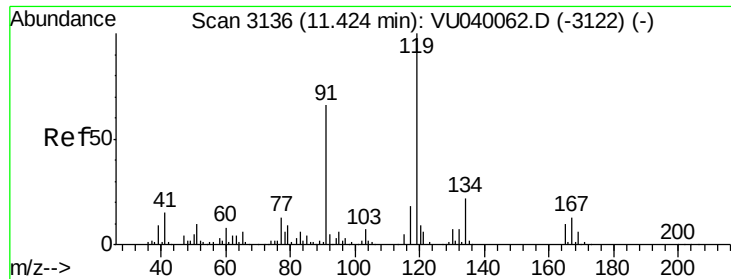
MMDadoda
9/17/2020 4:47:46 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.398 ug/l
RT: 9.54 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	75.4	113.2
119	66.5	51.5	77.3





#61

Pentachloroethane

Concen: 10.131 ug/l

RT: 11.42 min Scan# 3136

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 50544

Ion Ratio Lower Upper

117 100

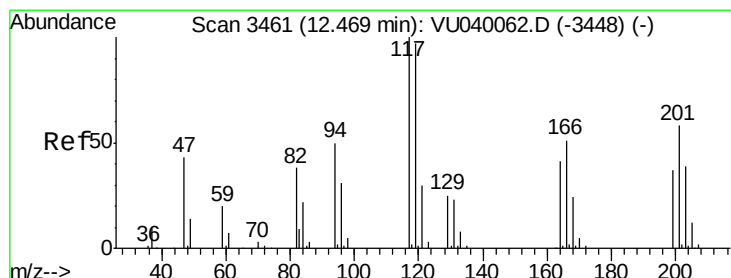
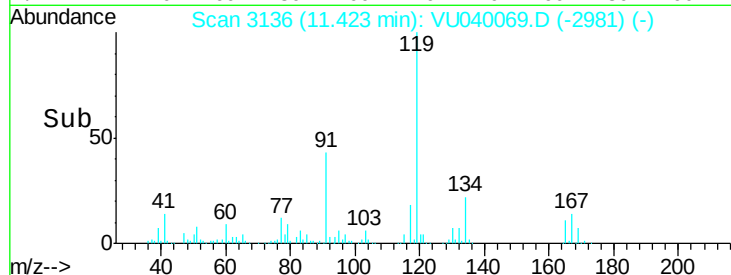
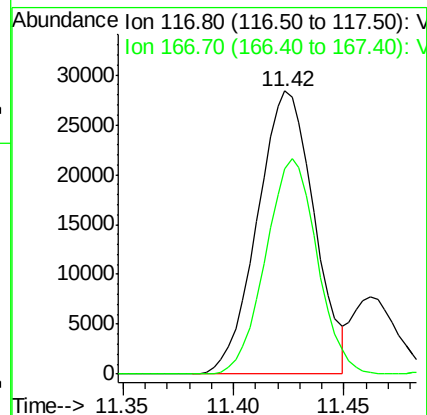
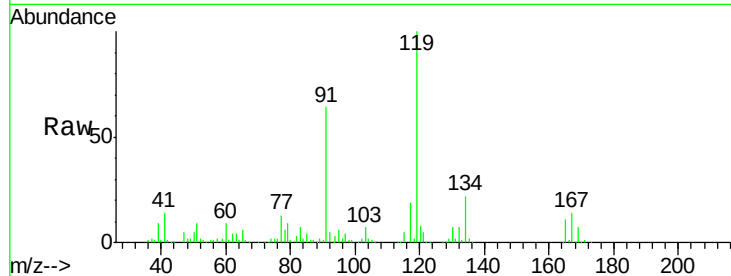
167 69.0 54.5 81.7

Manual Integrations

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9/17/2020 4:47:46 PM



#62

Hexachloroethane

Concen: 10.408 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. -0.00 min

Lab File: VU040069.D

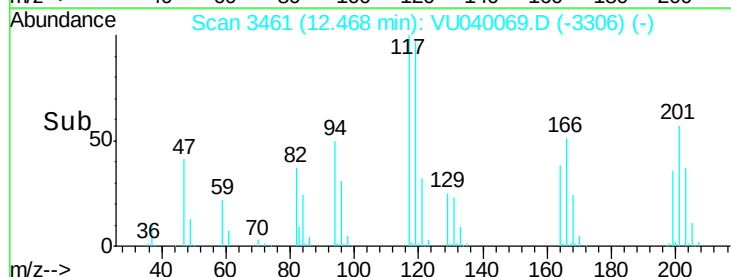
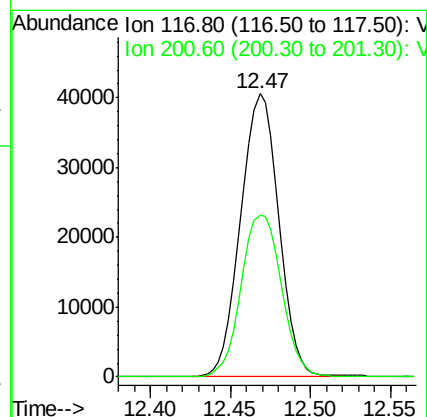
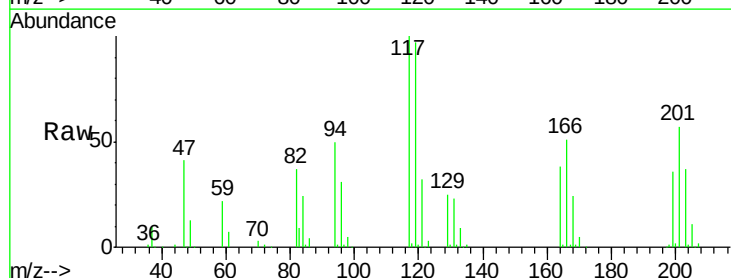
Acq: 09 Sep 2020 18:42

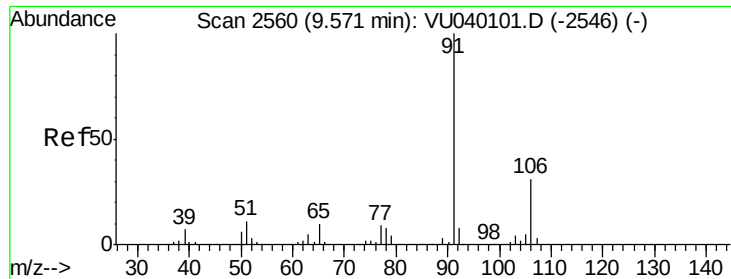
Tgt Ion:117 Resp: 65995

Ion Ratio Lower Upper

117 100

201 60.5 47.0 70.4





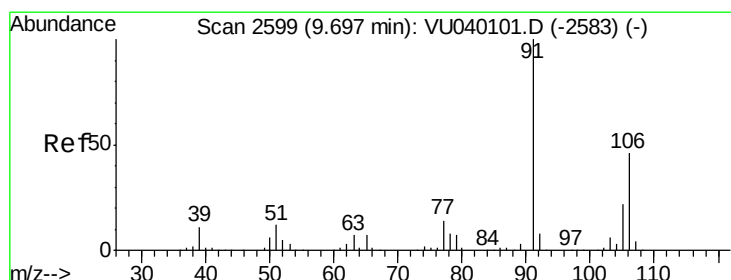
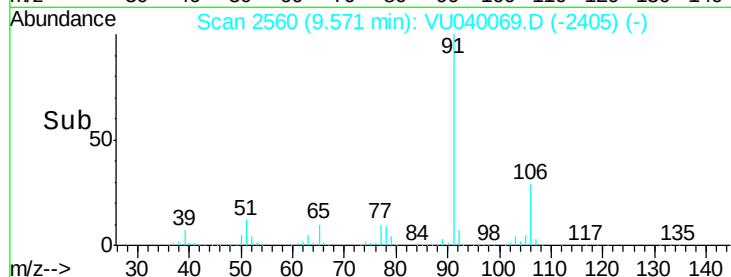
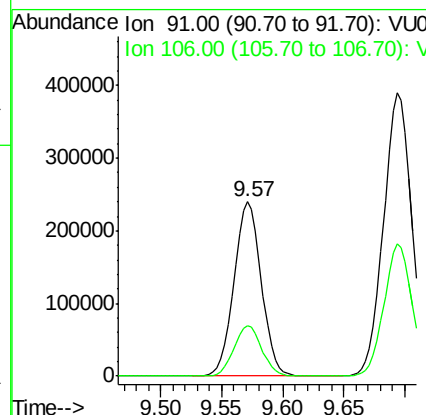
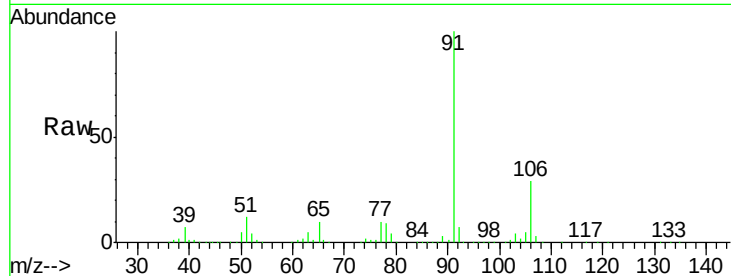
#63
Ethyl Benzene
Concen: 11.028 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 375968
Ion Ratio Lower Upper
91 100
106 28.9 23.8 35.8

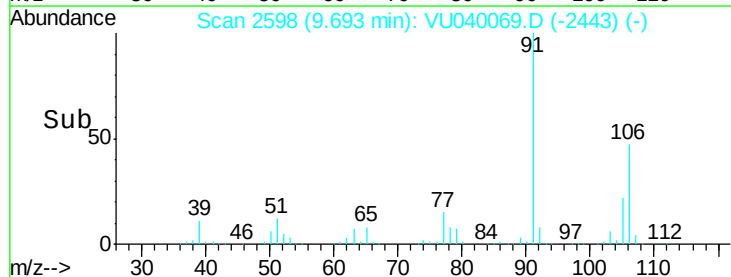
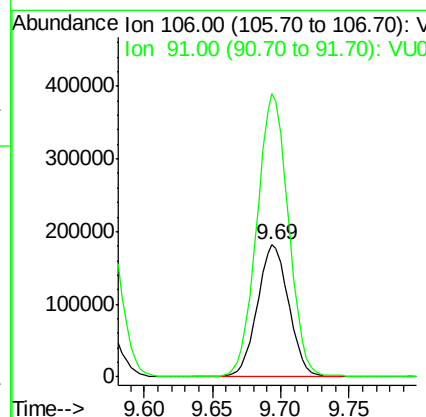
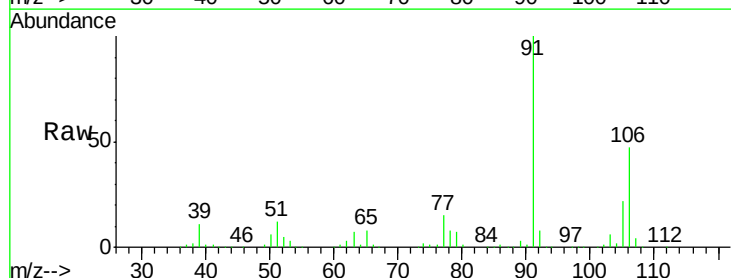
Manual Integrations
APPROVED

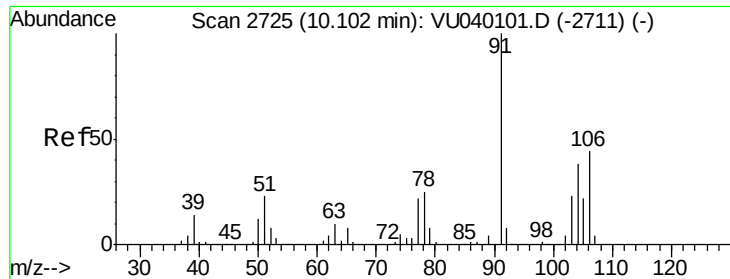
MMDadoda
9/17/2020 4:47:46 PM



#64
m/p-Xylenes
Concen: 22.765 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion: 106 Resp: 289973
Ion Ratio Lower Upper
106 100
91 215.7 171.4 257.2





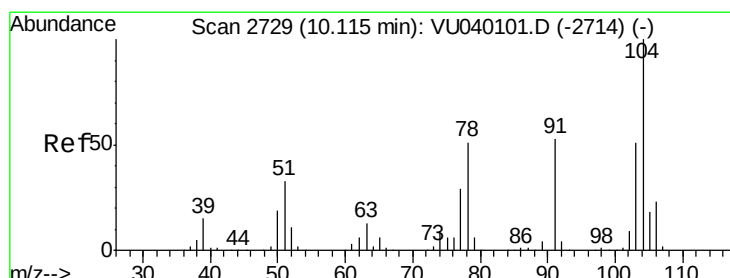
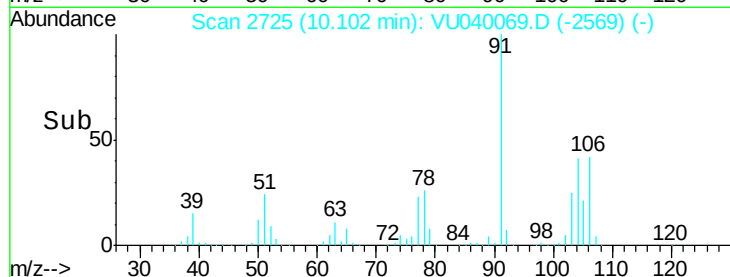
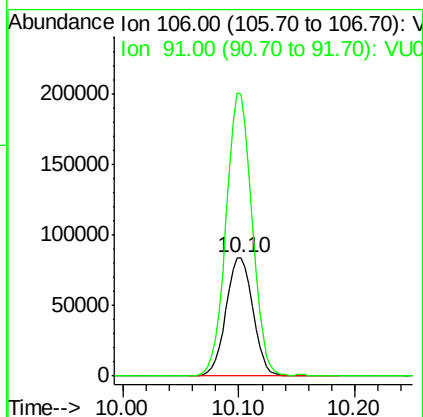
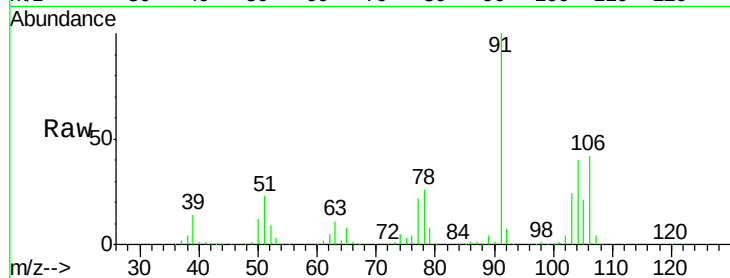
#65
o-Xylene
Concen: 11.022 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:106 Resp: 135534
Ion Ratio Lower Upper
106 100
91 229.7 114.2 342.6

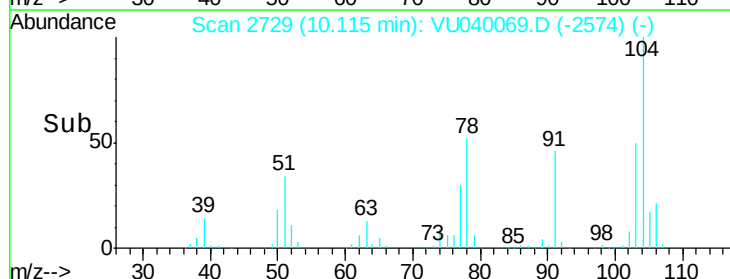
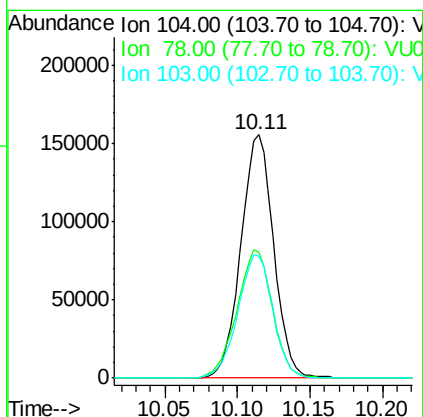
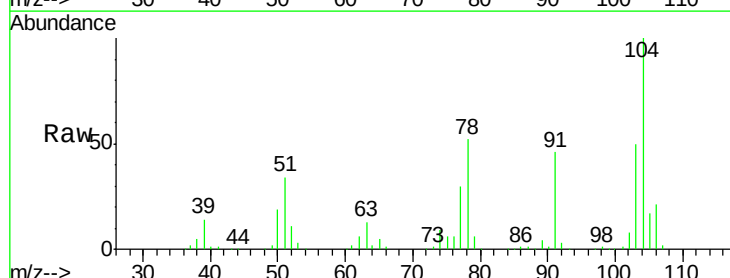
Manual Integrations
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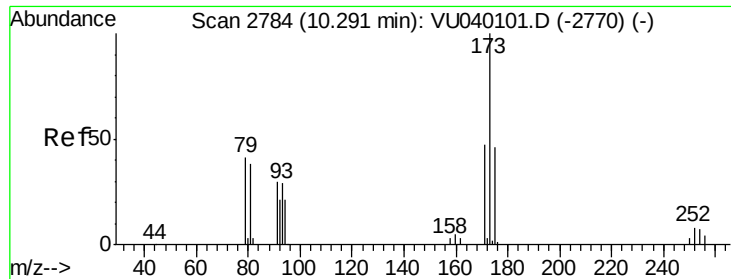
MMDadoda
9/17/2020 4:47:46 PM



#66
Styrene
Concen: 11.362 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion:104 Resp: 245398
Ion Ratio Lower Upper
104 100
78 56.8 43.9 65.9
103 54.5 43.7 65.5





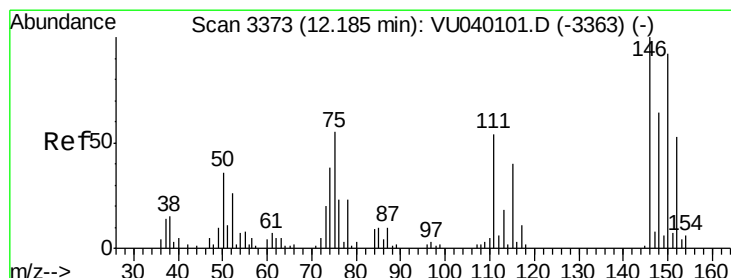
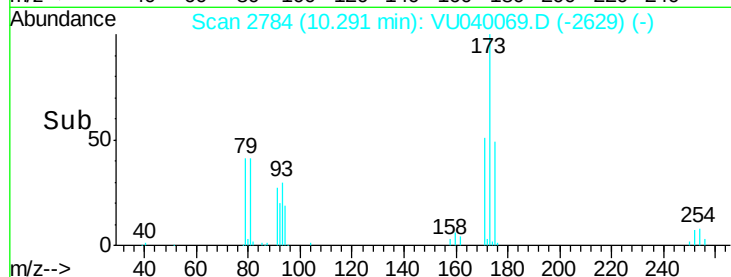
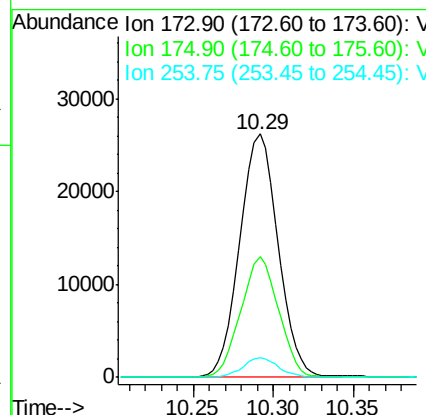
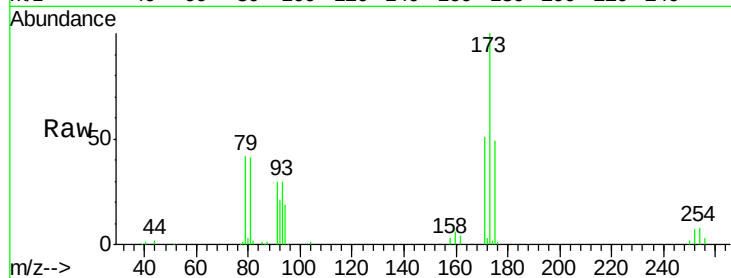
#67
Bromoform
Concen: 11.199 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.0	57.0
254	7.3	5.8	8.8

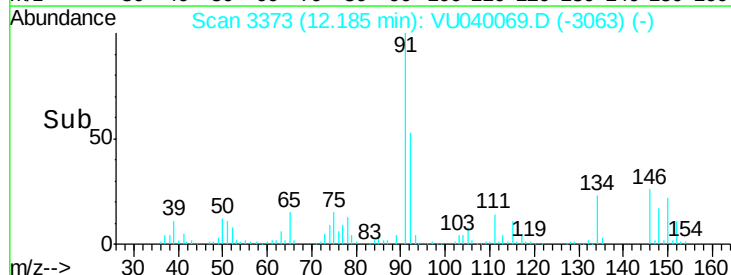
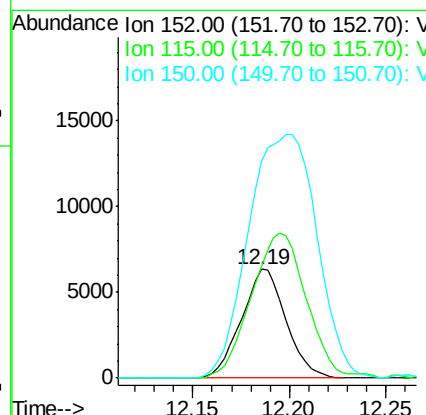
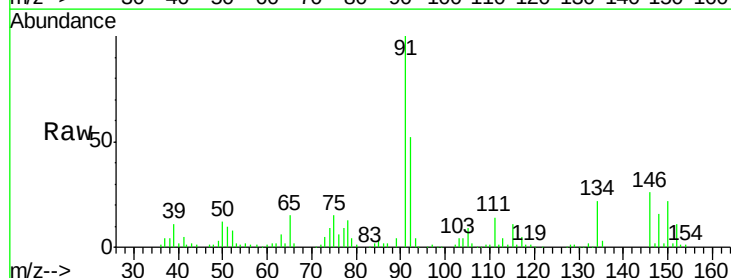
Manual Integrations
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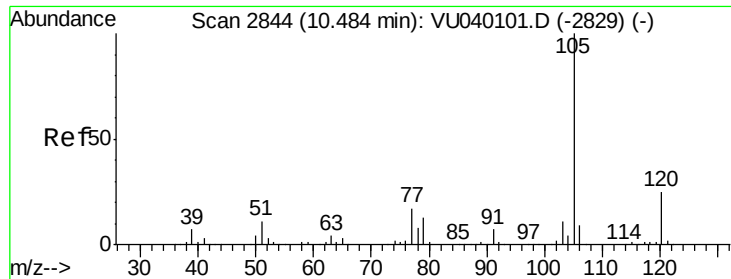
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#68
1,2-Dichlorobenzene-d4
Concen: 0.974 ug/l
RT: 12.19 min Scan# 3373
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	164.7	0.0	309.0
150	343.6	0.0	658.2





#69

Isopropylbenzene

Concen: 11.032 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 373355

Ion Ratio Lower Upper

105 100

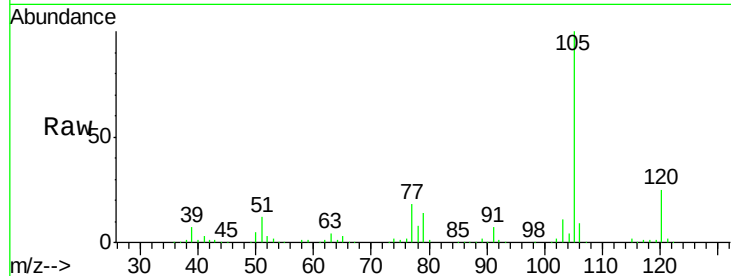
120 25.4 12.4 37.4

Manual Integrations

APPROVED

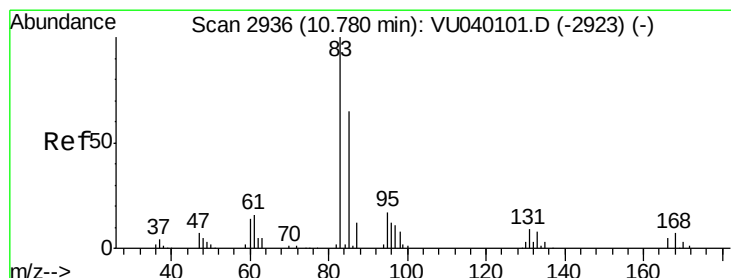
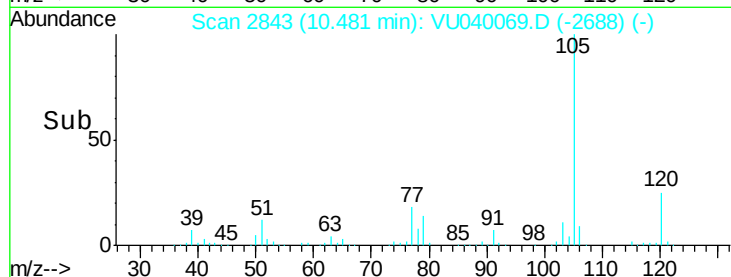
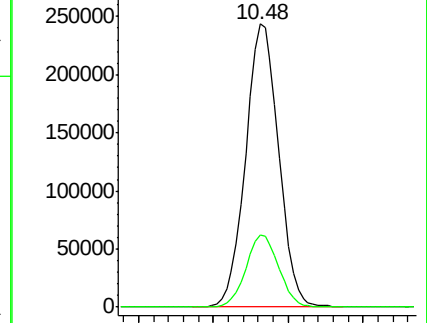
MMDadoda

9/17/2020 4:47:46 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 10.269 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

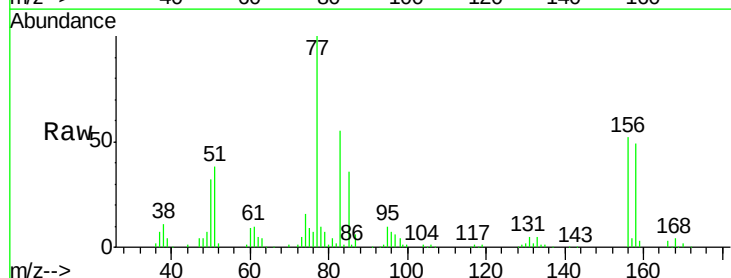
Tgt Ion: 83 Resp: 87731

Ion Ratio Lower Upper

83 100

131 9.6 7.5 11.3

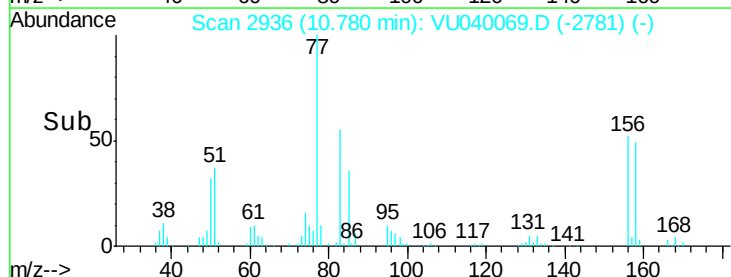
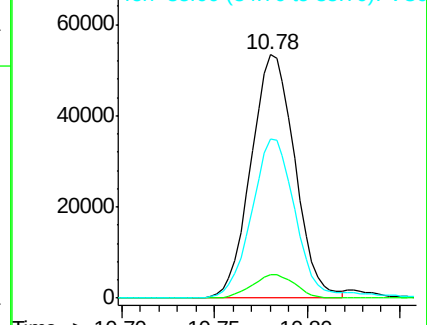
85 66.4 49.7 74.5

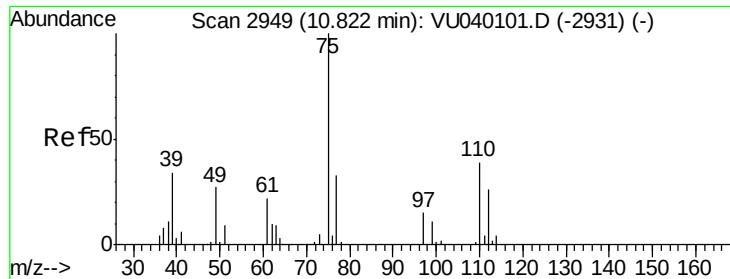


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





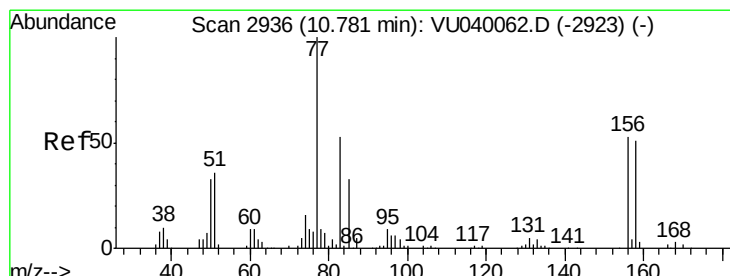
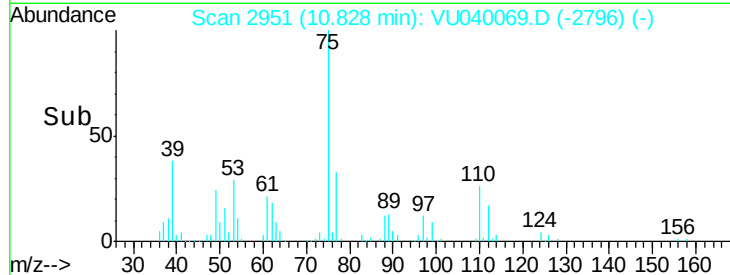
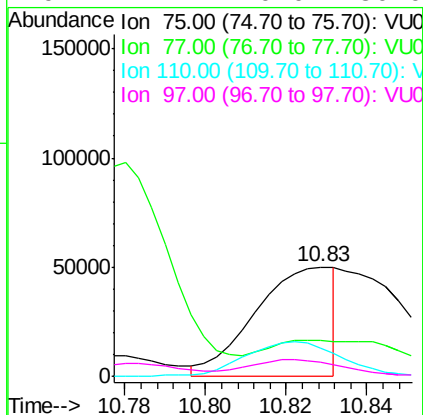
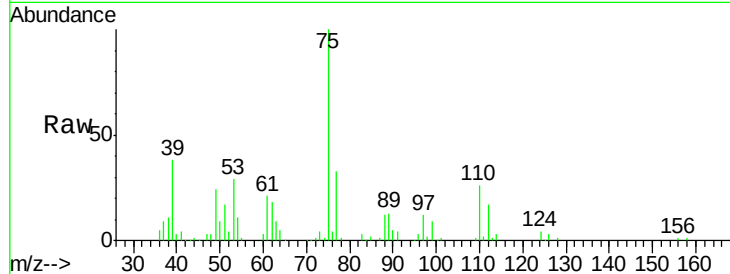
#71
 1,2,3-Trichloropropane
 Concen: 10.379 ug/l m
 RT: 10.83 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC010EC

Tot Ion	75	Resp	68846
Ion	Ratio	Lower	Upper
75	100		
77	56.6	0.0	111.4
110	38.2	0.0	70.8
97	17.7	0.0	36.0

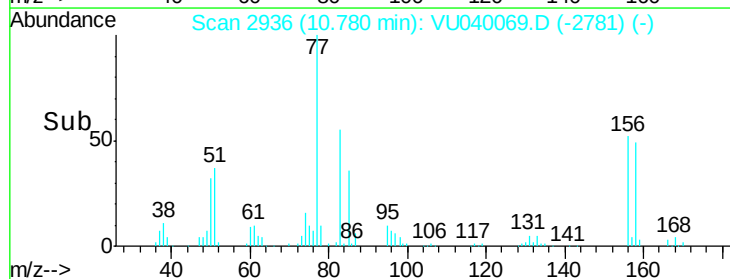
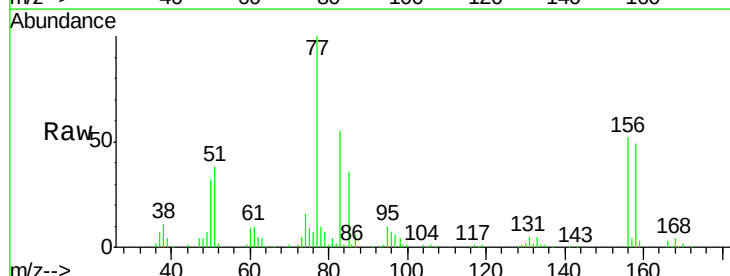
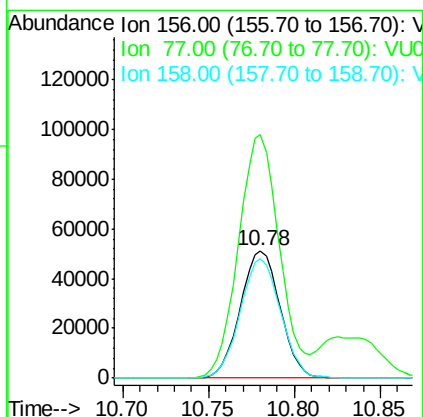
Manual Integrations
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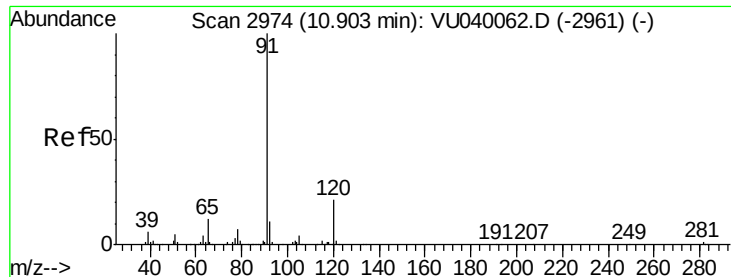
MMDadoda
 9/17/2020 4:47:46 PM



#72
 Bromobenzene
 Concen: 10.442 ug/l
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Tgt Ion	156	Resp	82437
Ion	Ratio	Lower	Upper
156	100		
77	197.0	0.0	383.6
158	95.0	0.0	195.0





#73

n-propylbenzene

Concen: 10.905 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 101473

Ion Ratio Lower Upper

120 100

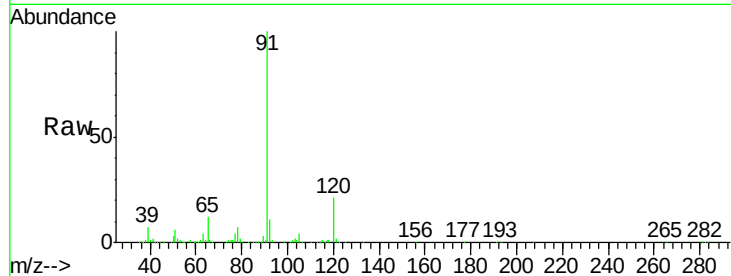
91 483.1 380.4 570.6

Manual Integrations

APPROVED

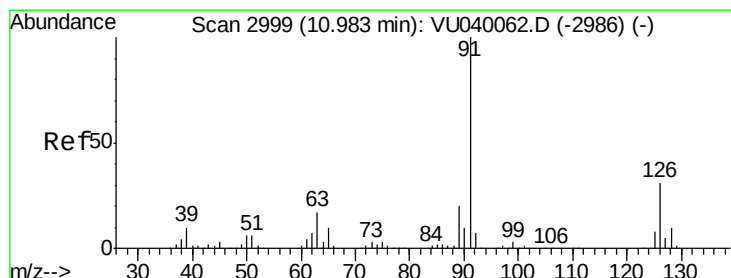
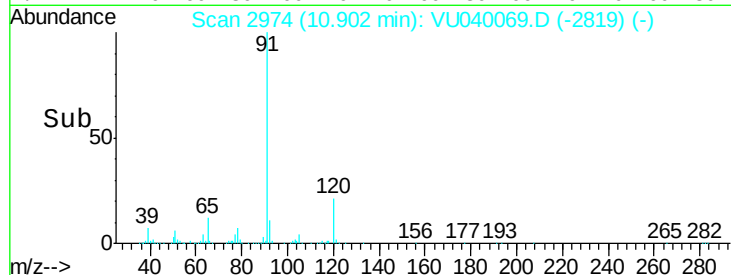
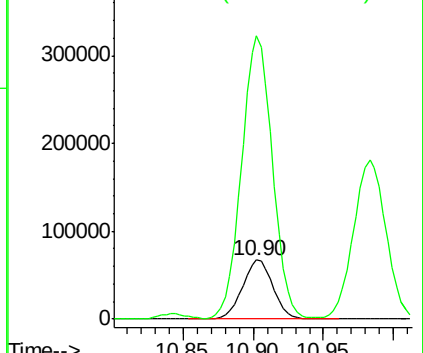
MMDadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.832 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040069.D

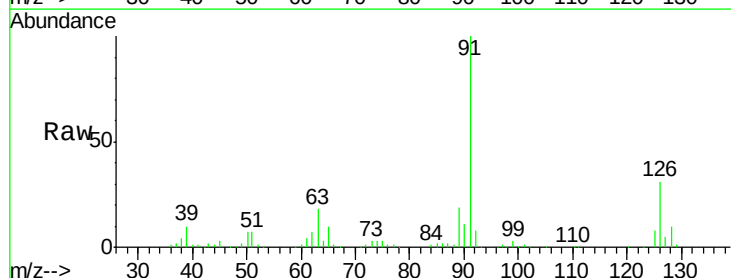
Acq: 09 Sep 2020 18:42

Tgt Ion:126 Resp: 88058

Ion Ratio Lower Upper

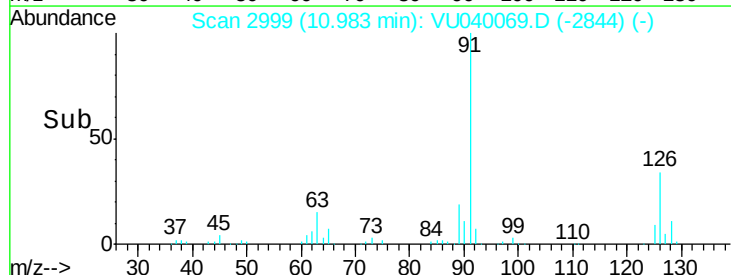
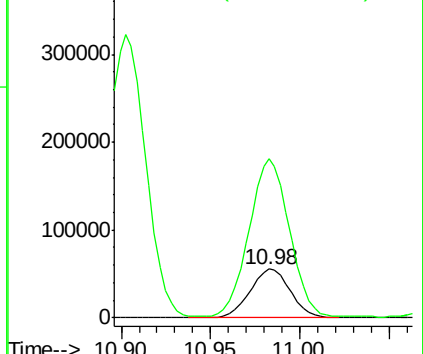
126 100

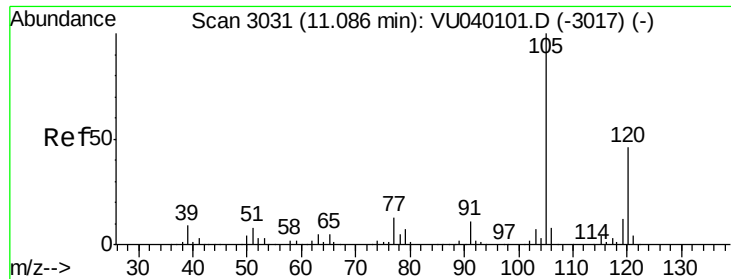
91 322.3 0.0 649.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 11.279 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 334317

Ion Ratio Lower Upper

105 100

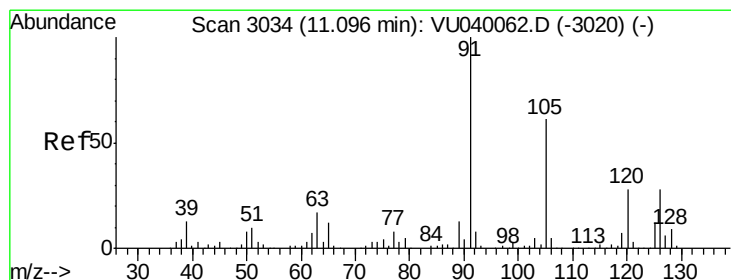
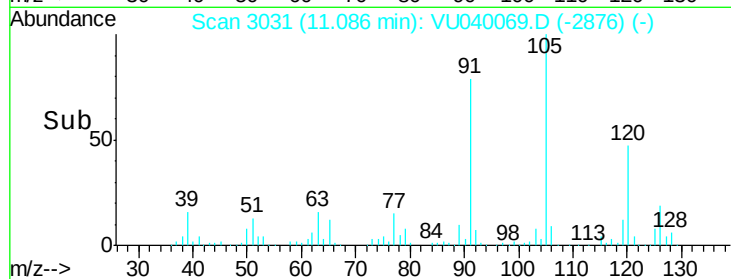
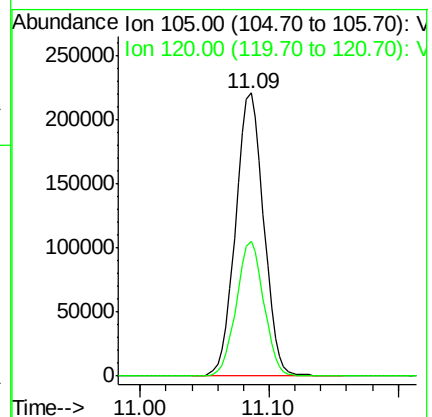
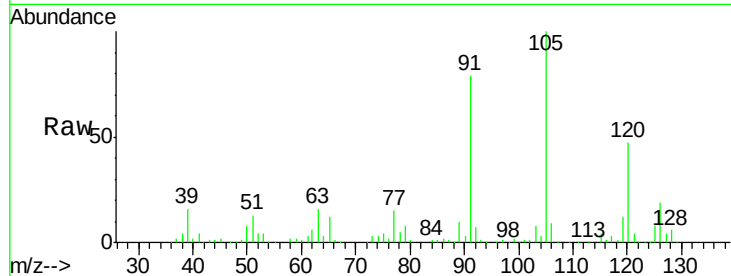
120 46.3 36.6 55.0

Manual Integrations

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#76

4-Chlorotoluene

Concen: 10.666 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU040069.D

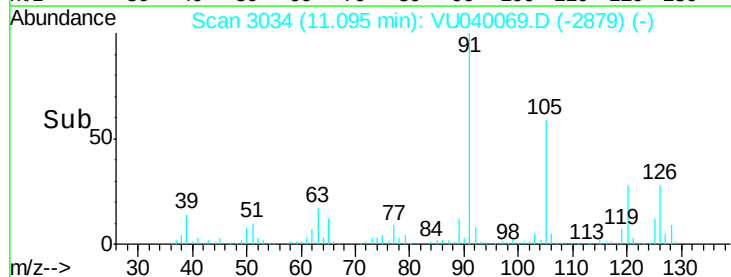
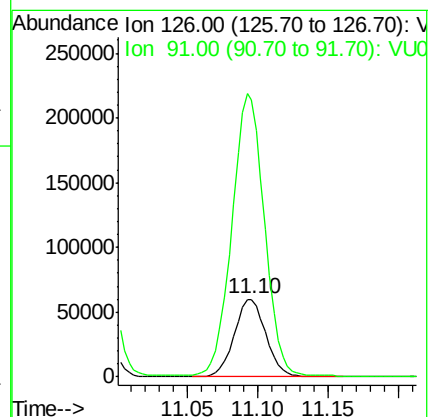
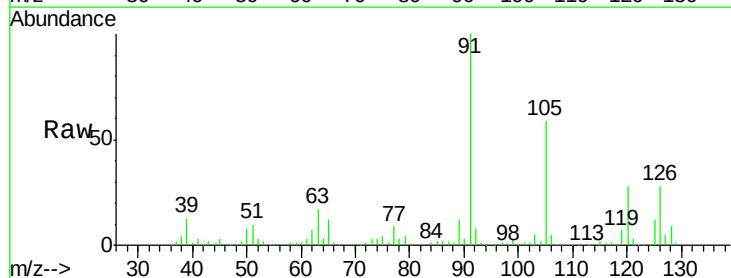
Acq: 09 Sep 2020 18:42

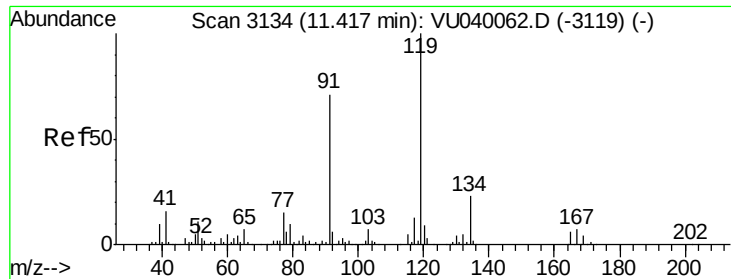
Tgt Ion:126 Resp: 93512

Ion Ratio Lower Upper

126 100

91 376.1 0.0 735.6





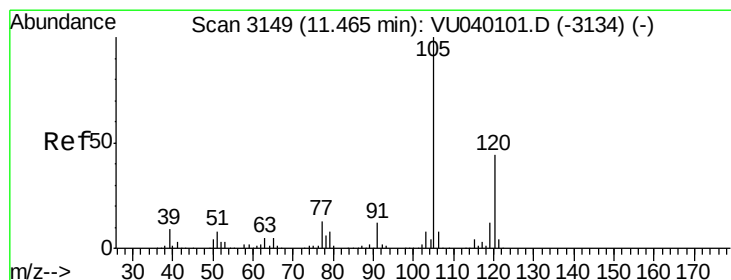
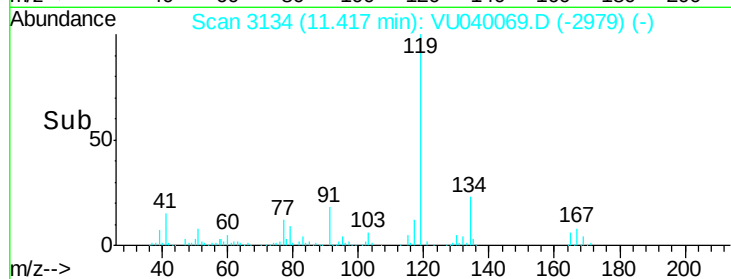
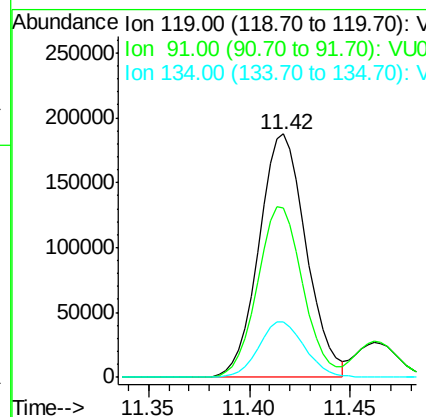
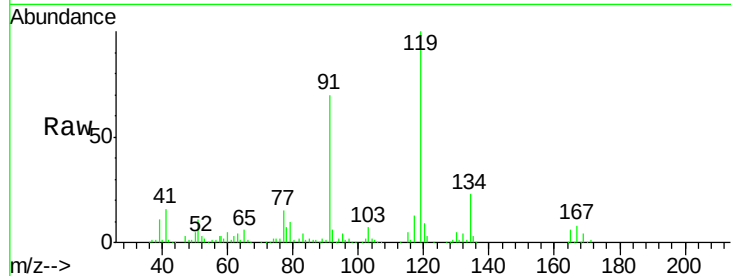
#77
 tert-Butylbenzene
 Concen: 11.072 ug/l
 RT: 11.42 min Scan# 3134
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.2	102.5
134	22.5	18.2	27.4

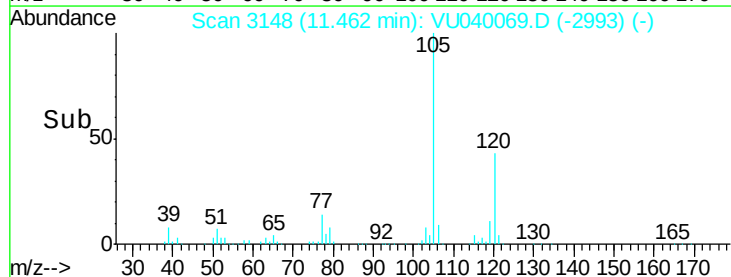
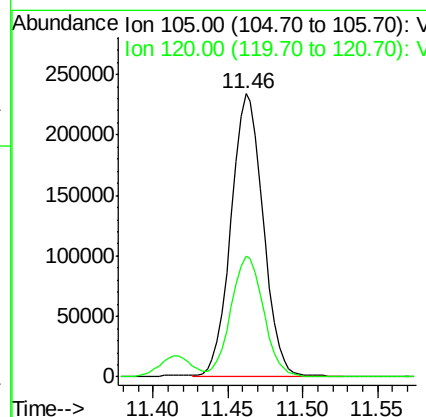
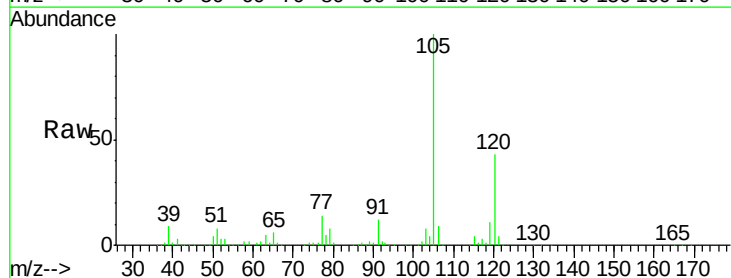
Manual Integrations
 APPROVED

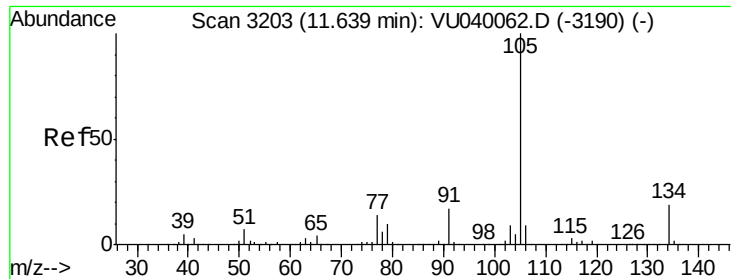
MMDadoda
 9/17/2020 4:47:46 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 11.224 ug/l
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.9	65.5





#79

sec-Butylbenzene

Concen: 10.897 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 435159

Ion Ratio Lower Upper

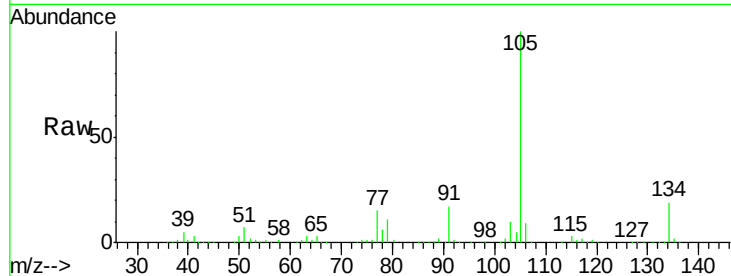
105 100

134 18.7 15.0 22.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.64

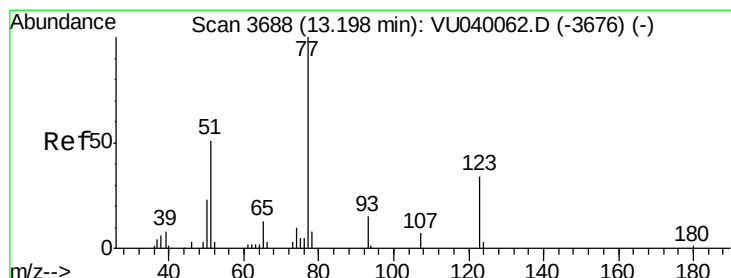
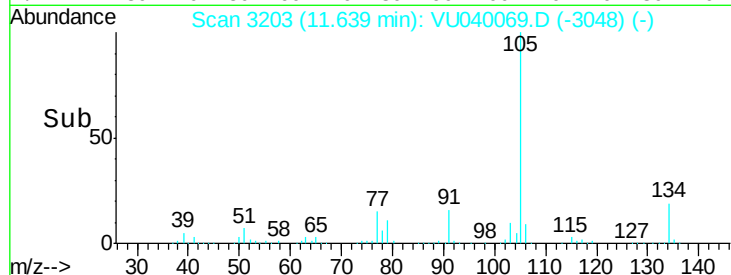
300000

200000

100000

0

Time-->



#80

Nitrobenzene

Concen: 54.871 ug/l

RT: 13.20 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

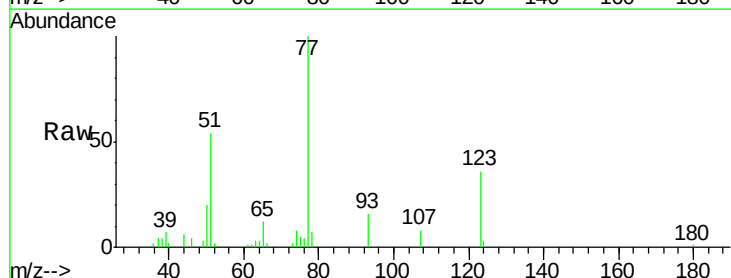
Tgt Ion: 77 Resp: 18801

Ion Ratio Lower Upper

77 100

123 36.2 16.4 58.0

65 13.7 12.5 15.9



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

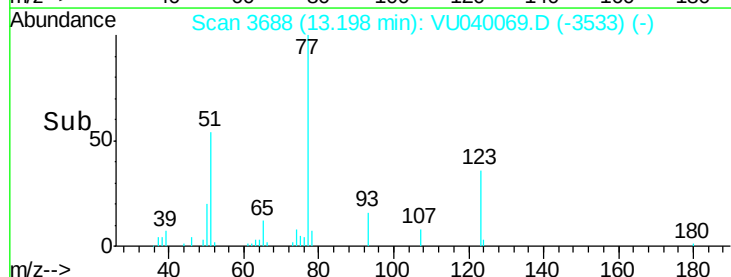
13.20

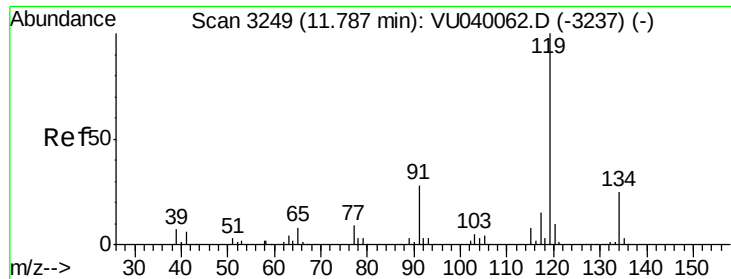
10000

5000

0

Time-->





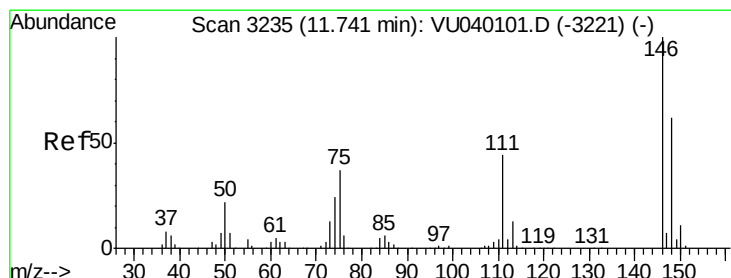
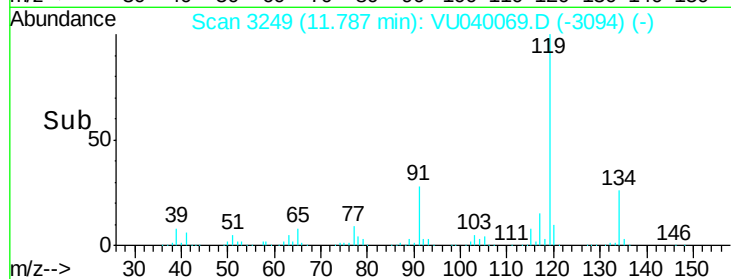
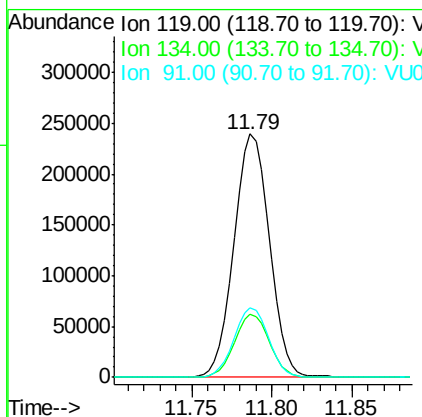
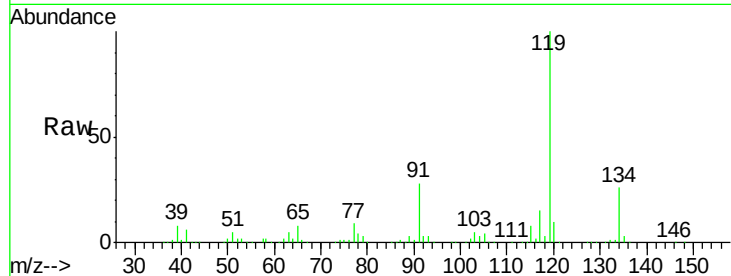
#81
 p-Isopropyltoluene
 Concen: 11.312 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.3	30.5
91	27.8	22.2	33.2

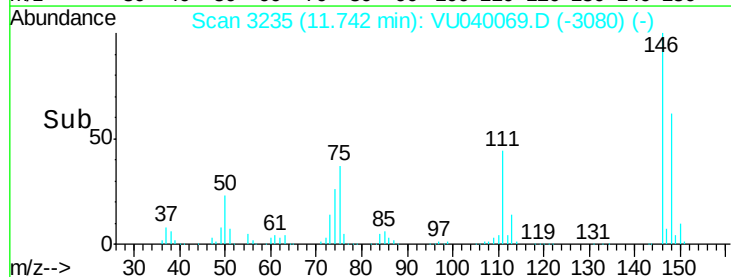
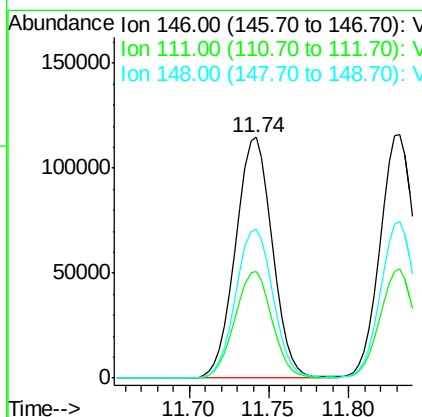
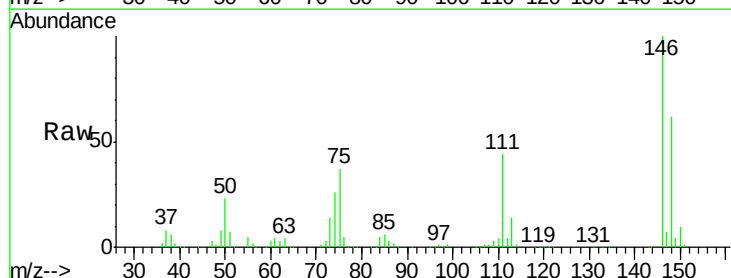
Manual Integrations
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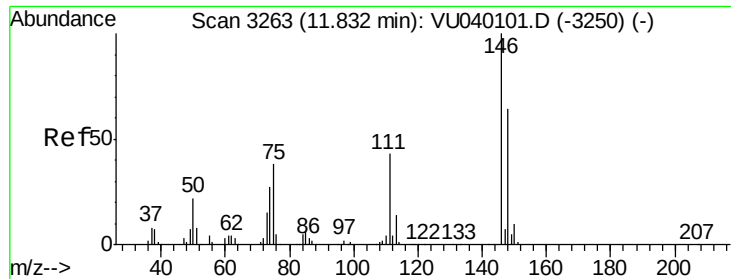
MMDadoda
 9/17/2020 4:47:46 PM



#82
 1,3-Dichlorobenzene
 Concen: 10.336 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	35.4	53.0
148	62.9	49.7	74.5





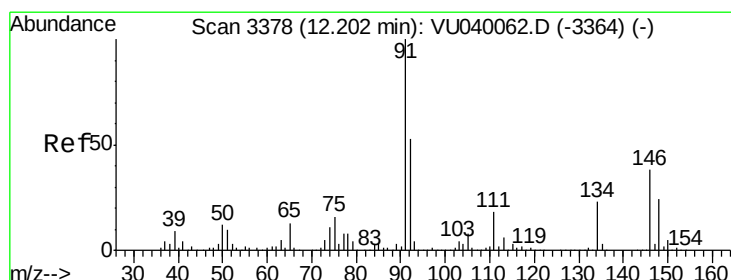
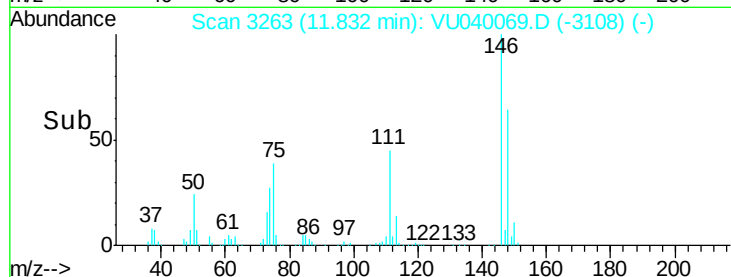
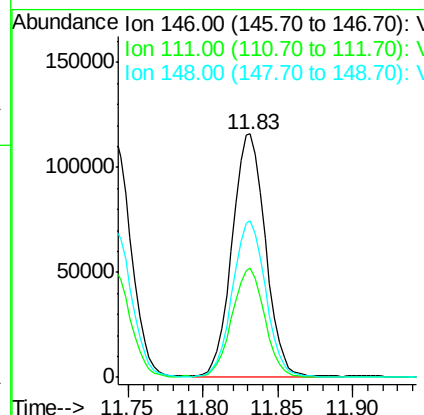
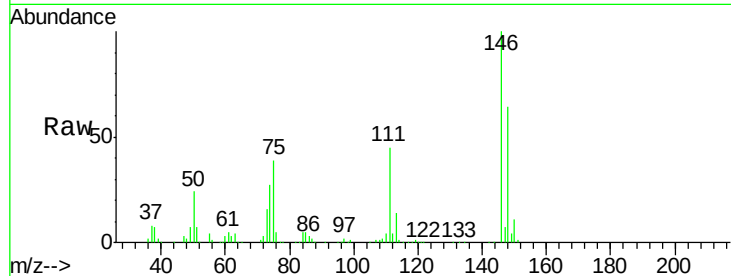
#83
 1,4-Dichlorobenzene
 Concen: 10.383 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	34.2	51.2
148	63.6	50.2	75.2

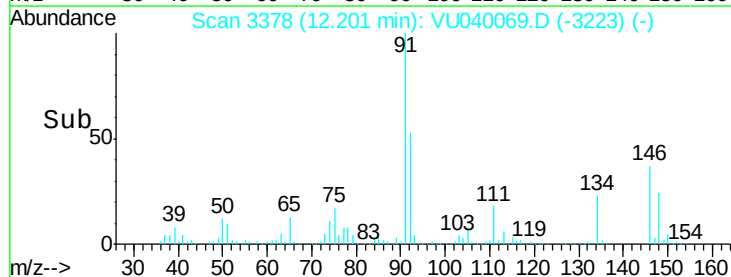
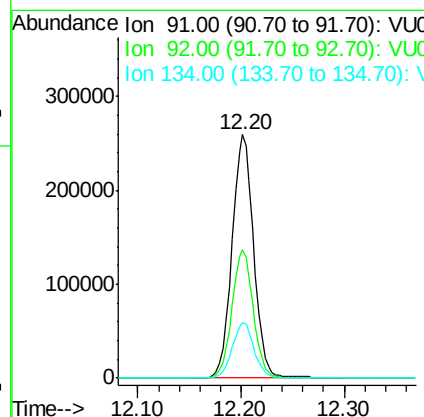
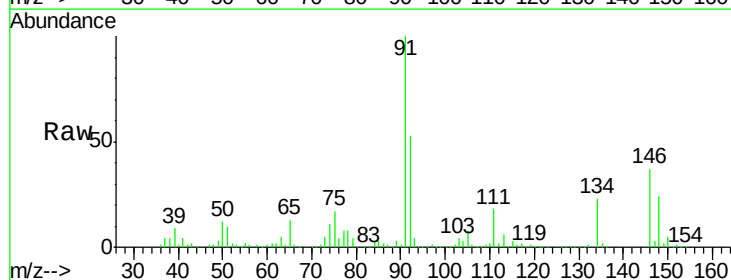
Manual Integrations
 APPROVED

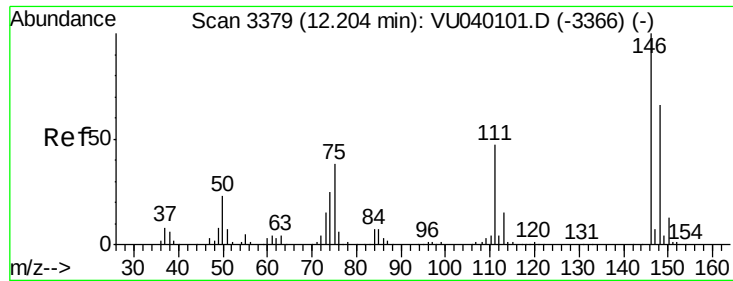
MMDadoda
 9/17/2020 4:47:46 PM



#84
 n-Butylbenzene
 Concen: 11.552 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	43.0	64.4
134	22.8	18.6	27.8





#85

1,2-Dichlorobenzene

Concen: 10.279 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Instrument :

MSVOA_U

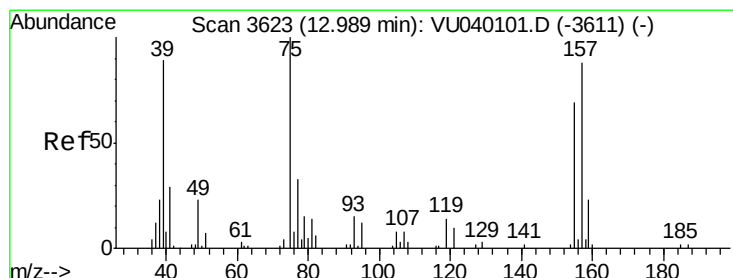
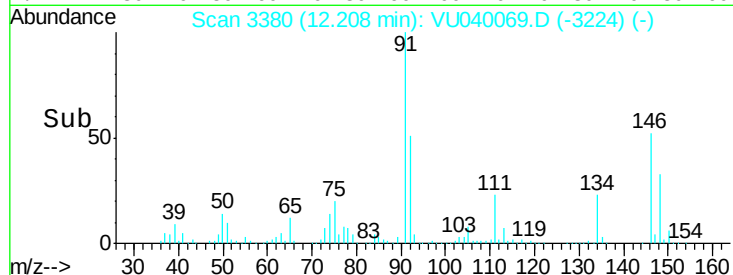
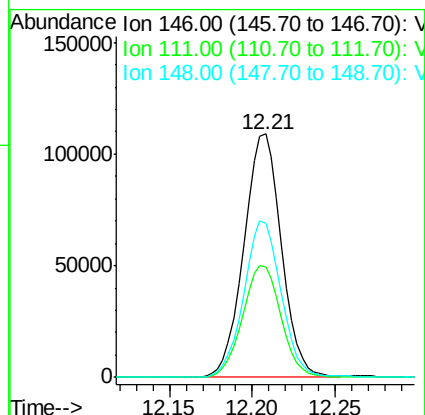
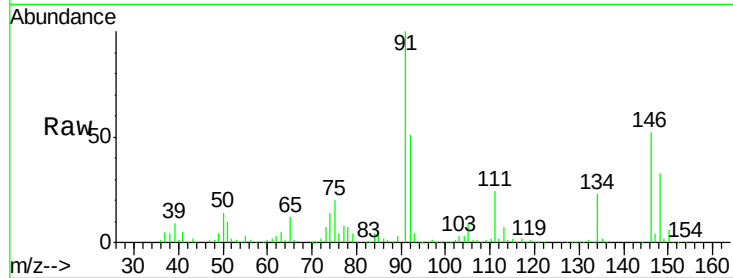
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	171863
Ion Ratio	Lower	Upper	
146	100		
111	47.1	22.9	68.7
148	64.0	31.1	93.2

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 10.524 ug/l

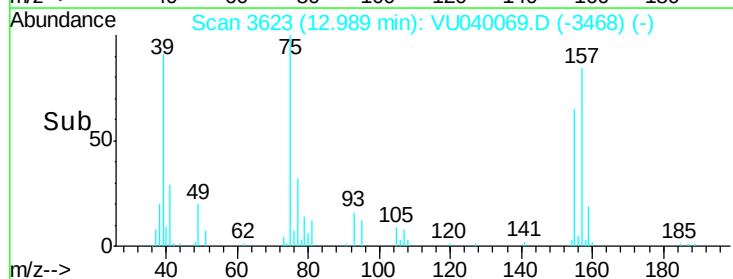
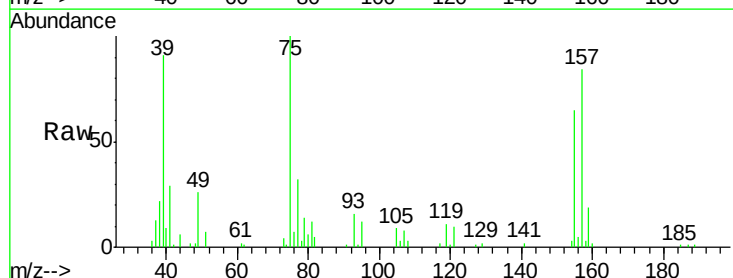
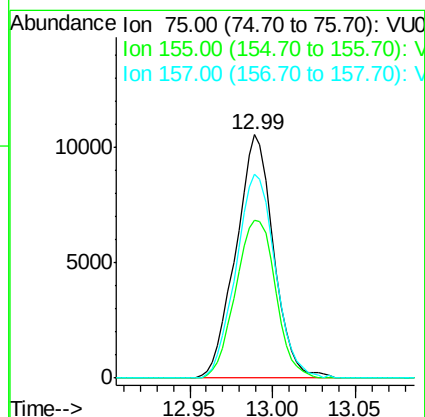
RT: 12.99 min Scan# 3623

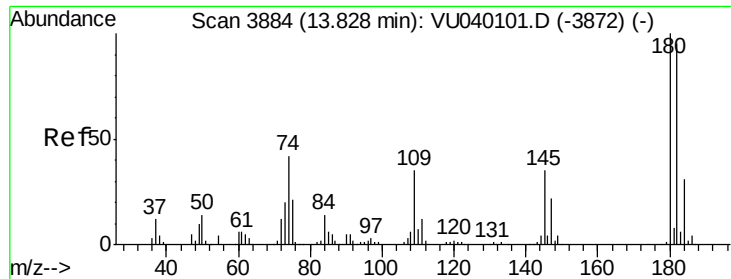
Delta R.T. -0.00 min

Lab File: VU040069.D

Acq: 09 Sep 2020 18:42

Tgt Ion:	75	Resp:	16733
Ion Ratio	Lower	Upper	
75	100		
155	68.5	53.4	80.0
157	87.1	65.8	98.8





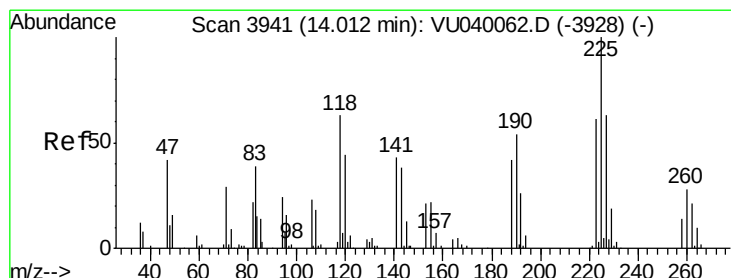
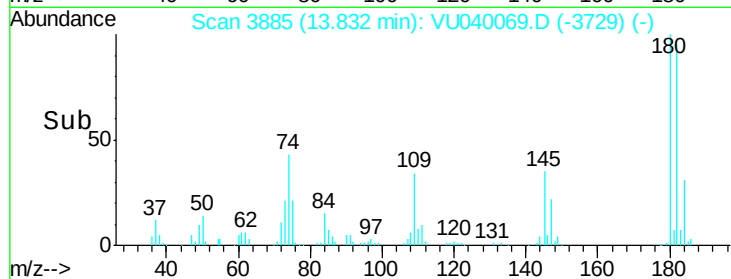
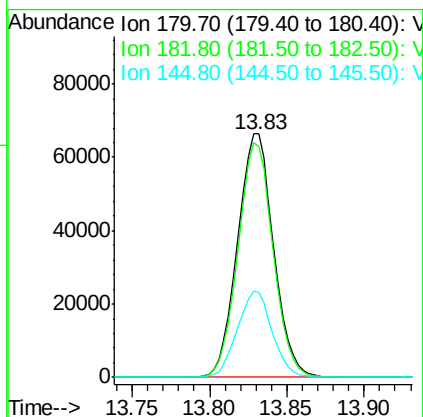
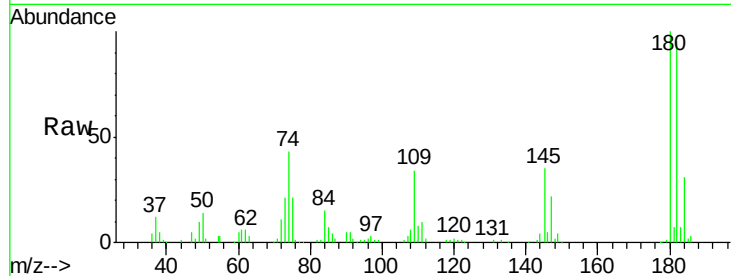
#87
 1,2,4-Trichlorobenzene
 Concen: 11.116 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107269		
182	94.1	75.0	112.4	
145	34.4	27.7	41.5	

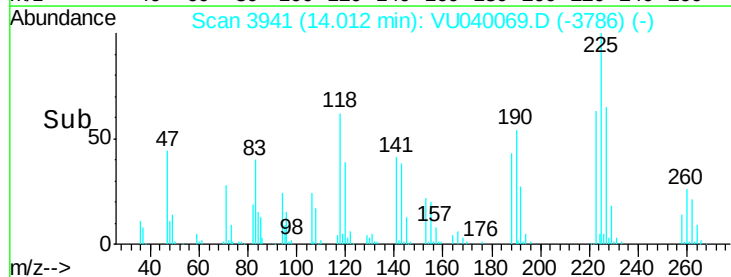
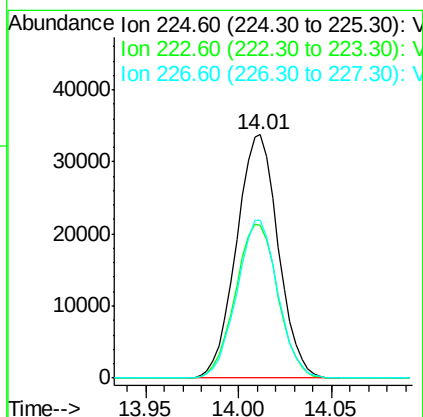
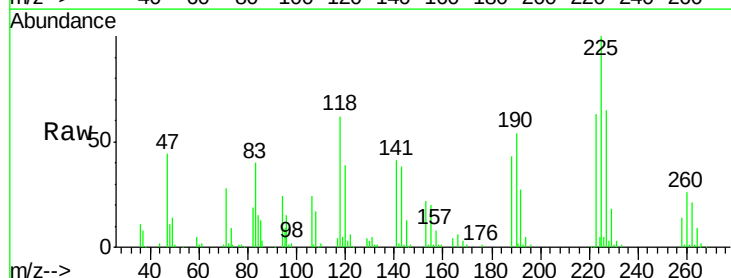
Manual Integrations
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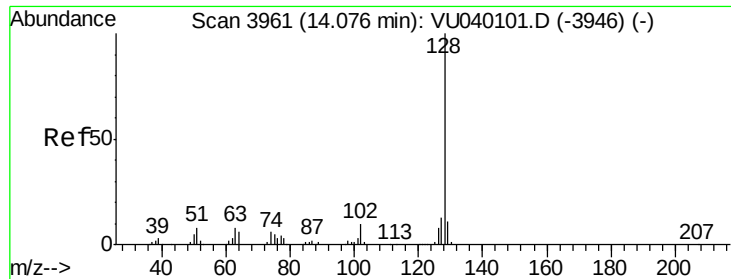
MMDadoda
 9/17/2020 4:47:46 PM



#88
 Hexachlorobutadiene
 Concen: 10.619 ug/l
 RT: 14.01 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VU040069.D
 Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53009		
223	64.1	50.7	76.1	
227	63.6	51.1	76.7	





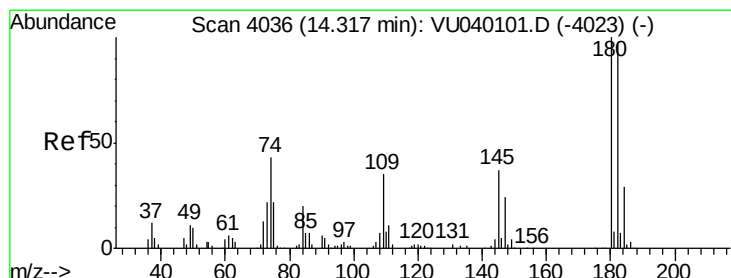
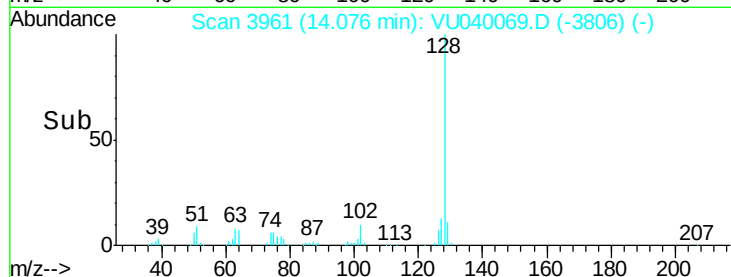
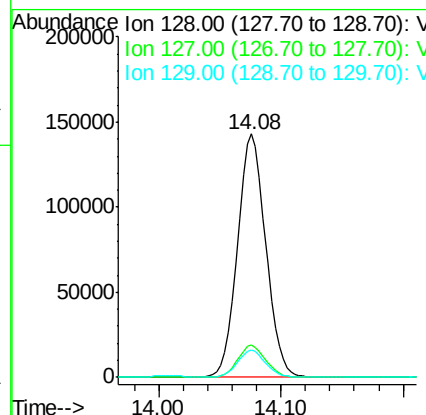
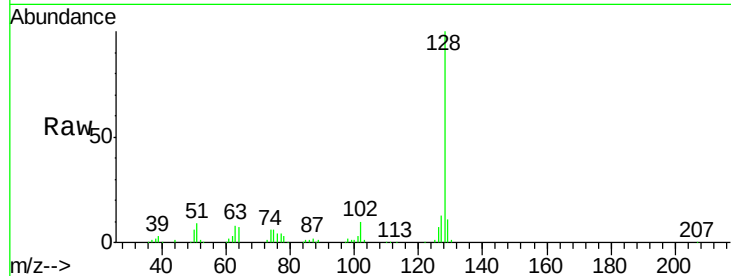
#89
Naphthalene
Concen: 9.768 ug/l
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	229452		
127	13.0		10.3	15.5
129	11.1		8.3	12.5

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 11.021 ug/l
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040069.D
Acq: 09 Sep 2020 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	99059		
182	95.6		76.0	114.0
145	38.3		30.6	45.8

