

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090920\
 Data File : VU040059.D
 Acq On : 09 Sep 2020 11:00
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 4:47:01 PM

Quant Time: Sep 10 03:57:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 03:43:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	27758	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	10888	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	10127	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	7534	0.807	ug/l	93
3) Chloromethane	1.53	50	8114	0.710	ug/l	97
4) Vinyl Chloride	1.61	62	7860	0.743	ug/l	95
5) Bromomethane	1.86	94	6696	0.919	ug/l	92
6) Chloroethane	1.94	64	5369	0.736	ug/l	91
7) Trichlorofluoromethane	2.15	101	11119	0.779	ug/l	91
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6641	0.810	ug/l	99
9) 1,1-Dichloroethene	2.59	96	5925	0.796	ug/l	86
10) Iodomethane	2.74	142	2415	0.326	ug/l	93
11) Allyl Chloride	2.94	41	11143	0.702	ug/l	100
12) Acrylonitrile	3.33	53	4123	1.575	ug/l	95
13) Acetone	2.64	43	9477	3.842	ug/l	94
14) Carbon Disulfide	2.81	76	15677	0.593	ug/l #	93
15) Methylene Chloride	3.06	84	10008	0.957	ug/l	94
16) trans-1,2-Dichloroethene	3.37	96	6237	0.738	ug/l	98
17) 1,1-Dichloroethane	3.89	63	13492	0.732	ug/l	99
18) 2-Butanone	4.74	43	15147	3.712	ug/l	99
19) Cyclohexane	5.40	56	10917m	0.620	ug/l	
20) Methylcyclohexane	6.77	83	9137	0.686	ug/l	93
21) 2,2-Dichloropropane	4.68	77	13752	0.898	ug/l	92
22) cis-1,2-Dichloroethene	4.69	96	7038	0.768	ug/l	96
23) Diethyl Ether	2.39	59	5468	0.724	ug/l	97
24) tert-Butyl Alcohol	3.20	59	7785	5.677	ug/l #	91
25) Methyl tert-Butyl Ether	3.39	73	18377	0.755	ug/l	91
26) Bromochloromethane	4.99	128	3108	0.821	ug/l	95
27) Chloroform	5.11	83	13898	0.795	ug/l	97
28) 1,1,1-Trichloroethane	5.33	97	12492	0.873	ug/l	97
29) 1,1-Dichloropropene	5.54	75	9793	0.722	ug/l	94
30) Carbon Tetrachloride	5.53	117	10665	0.897	ug/l	93
31) Isopropyl Ether	4.02	45	23972	0.716	ug/l	98
32) Ethyl-t-butyl ether	4.53	59	20554	0.715	ug/l	100
33) Tert-Amyl methyl ether	5.96	73	17687	0.830	ug/l	98
34) Propionitrile	4.80	54	3874	3.839	ug/l #	89
35) Benzene	5.79	78	28514	0.835	ug/l	98
36) 1,2-Dichloroethane	5.81	62	10306	0.802	ug/l	98
37) Trichloroethene	6.56	130	6660	0.843	ug/l	94
38) 1,2-Dichloropropane	6.81	63	8115	0.864	ug/l	96
39) Methacrylonitrile	5.01	41	3829	0.714	ug/l	96
40) Methyl acrylate	4.87	55	4688	0.684	ug/l #	96
41) Tetrahydrofuran	5.09	42	3859	1.444	ug/l	95
42) 1-Chlorobutane	5.47	56	14642	0.692	ug/l	90

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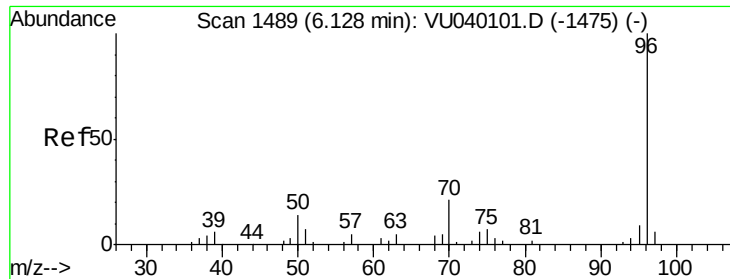
Manual Integrations
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Quant Time: Sep 10 03:57:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U090920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 10 03:43:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	4880	0.952	ug/l	91
44) Bromodichloromethane	7.12	83	11377	0.969	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	30506	3.994	ug/l	96
46) t-1,4-Dichloro-2-butene	10.83	75	4712m	1.946	ug/l	
47) Methyl methacrylate	6.98	69	7305	1.550	ug/l	95
48) Ethyl methacrylate	8.34	69	6816	0.786	ug/l	99
49) Toluene	7.98	92	16109	0.798	ug/l	95
50) t-1,3-Dichloropropene	8.22	75	9620	0.910	ug/l	91
51) cis-1,3-Dichloropropene	7.62	75	10836	0.876	ug/l	93
52) 1,1,2-Trichloroethane	8.41	97	6315	0.950	ug/l	94
53) 1,3-Dichloropropane	8.58	76	11245	0.889	ug/l	99
54) 2-Hexanone	8.69	43	20604	3.765	ug/l	96
55) Dibromochloromethane	8.82	129	6887	0.958	ug/l	95
56) 1,2-Dibromoethane	8.93	107	5909	0.932	ug/l	88
58) Tetrachloroethene	8.56	164	7328	1.040	ug/l	97
59) Chlorobenzene	9.45	112	18116	0.858	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.54	131	6656	0.922	ug/l	94
61) Pentachloroethane	11.42	117	4755	0.787	ug/l	100
62) Hexachloroethane	12.47	117	5854	1.005	ug/l	89
63) Ethyl Benzene	9.57	91	28732	0.765	ug/l	97
64) m/p-Xylenes	9.70	106	21392	1.465	ug/l	98
65) o-Xylene	10.10	106	10904	0.785	ug/l	92
66) Styrene	10.11	104	17412	0.728	ug/l	99
67) Bromoform	10.29	173	3283	0.895	ug/l #	92
69) Isopropylbenzene	10.48	105	28790	0.773	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	7400	0.785	ug/l	88
71) 1,2,3-Trichloropropane	10.83	75	4314m	0.617	ug/l	
72) Bromobenzene	10.78	156	7234	0.852	ug/l	97
73) n-propylbenzene	10.91	120	7946	0.760	ug/l	95
74) 2-Chlorotoluene	10.99	126	7077	0.797	ug/l	96
75) 1,3,5-Trimethylbenzene	11.09	105	24257	0.752	ug/l	99
76) 4-Chlorotoluene	11.10	126	7915	0.858	ug/l	88
77) tert-Butylbenzene	11.42	119	22867	0.744	ug/l	98
78) 1,2,4-Trimethylbenzene	11.46	105	25266	0.765	ug/l	98
79) sec-Butylbenzene	11.64	105	33351	0.758	ug/l	100
80) Nitrobenzene	13.21	77	1488	7.508	ug/l #	75
81) p-Isopropyltoluene	11.79	119	25740	0.727	ug/l	98
82) 1,3-Dichlorobenzene	11.74	146	15867	0.866	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	15234	0.824	ug/l	97
84) n-Butylbenzene	12.20	91	26756	0.712	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	14752	0.834	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	1419	0.880	ug/l	95
87) 1,2,4-Trichlorobenzene	13.83	180	7657	0.698	ug/l	97
88) Hexachlorobutadiene	14.01	225	4234	0.829	ug/l	93
89) Naphthalene	14.08	128	13468	0.577	ug/l	98
90) 1,2,3-Trichlorobenzene	14.32	180	7278	0.702	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VU040059.D

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Instrument :

MSVOA_U

ClientSampleId :

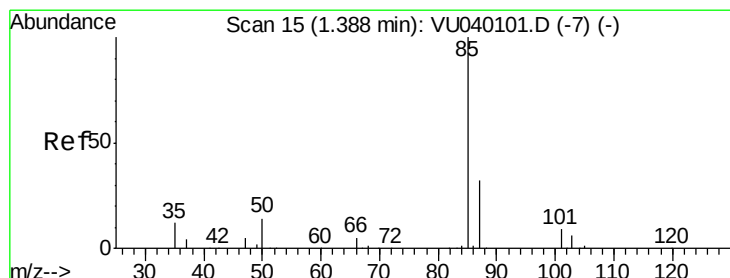
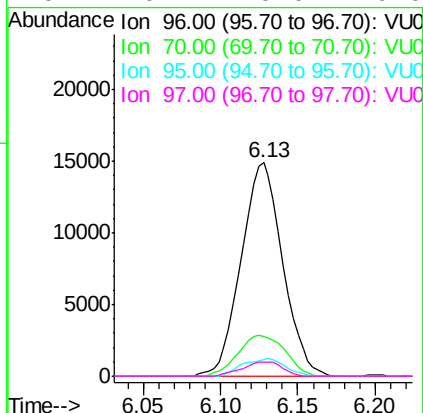
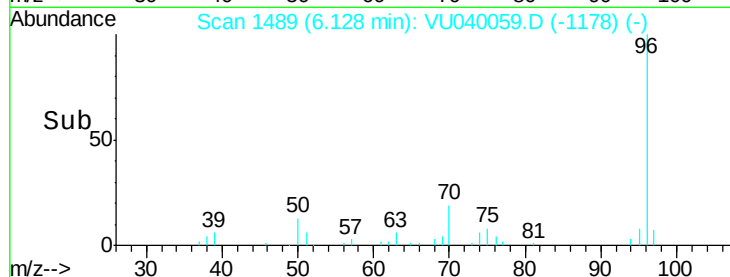
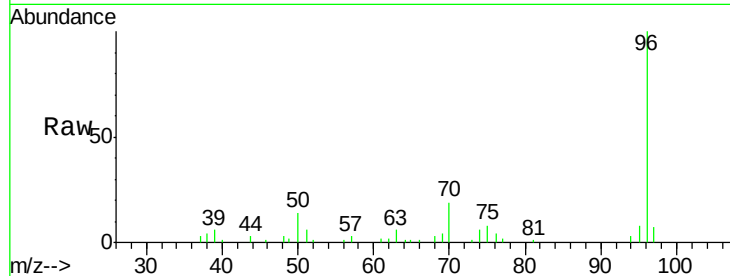
VSTDIC001

Tot Ion: 96 Resp: 27758

Ion	Ratio	Lower	Upper
96	100		
70	21.7	17.1	25.7
95	8.5	7.6	11.4
97	6.4	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.807 ug/l

RT: 1.39 min Scan# 15

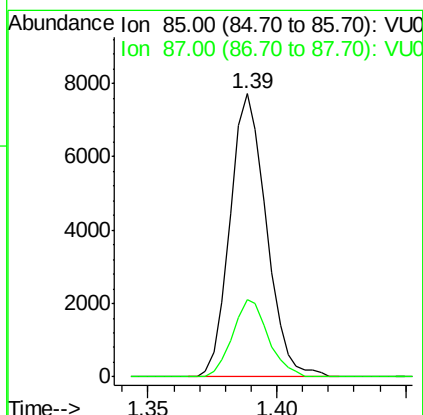
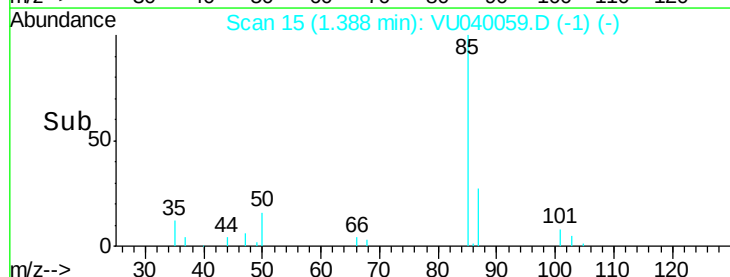
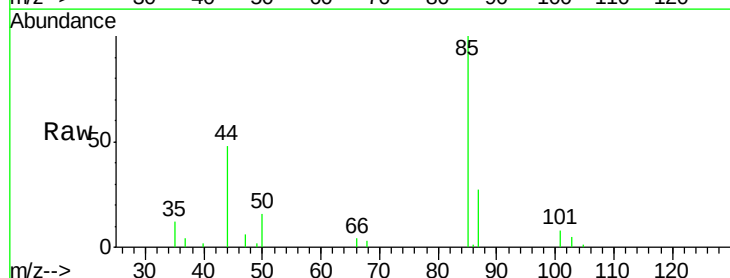
Delta R.T. -0.00 min

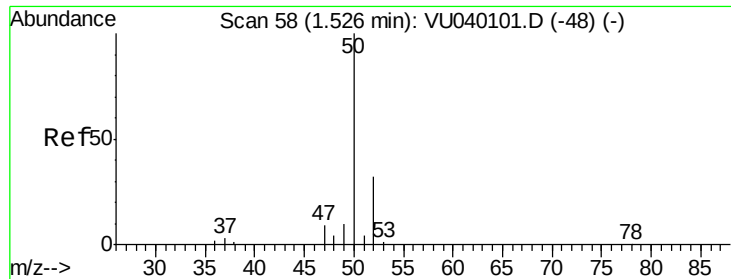
Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Tgt Ion: 85 Resp: 7534

Ion	Ratio	Lower	Upper
85	100		
87	27.5	15.6	46.8





#3

Chloromethane

Concen: 0.710 ug/l

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 8114

Ion Ratio Lower Upper

50 100

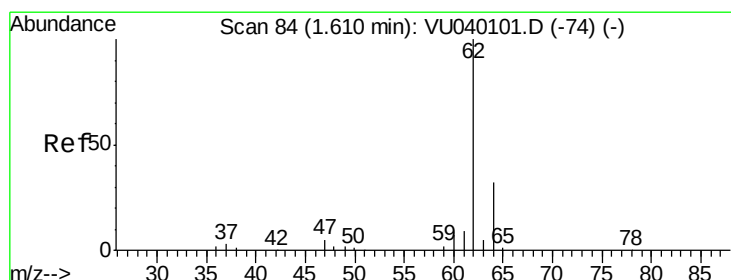
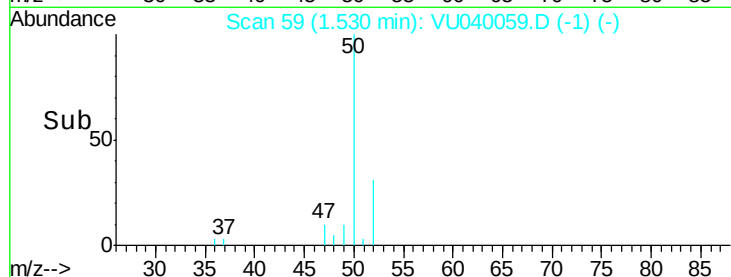
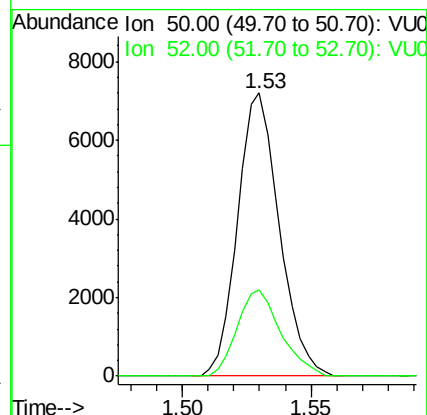
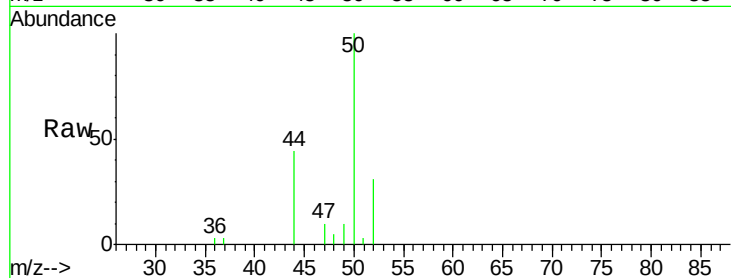
52 30.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.743 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040059.D

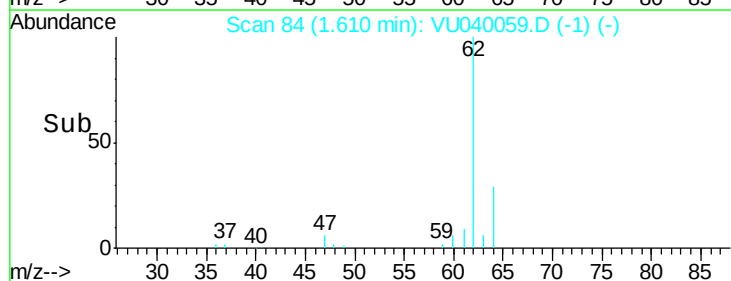
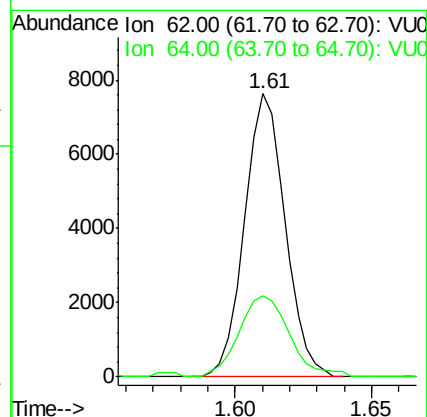
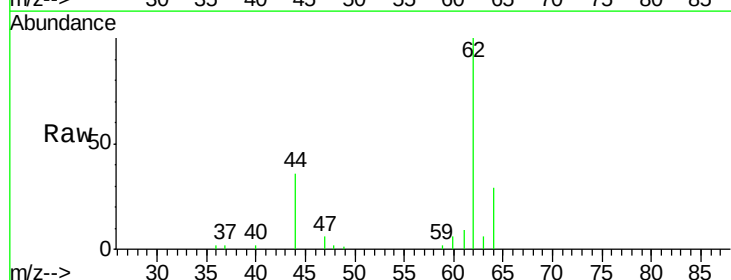
Acq: 09 Sep 2020 11:00

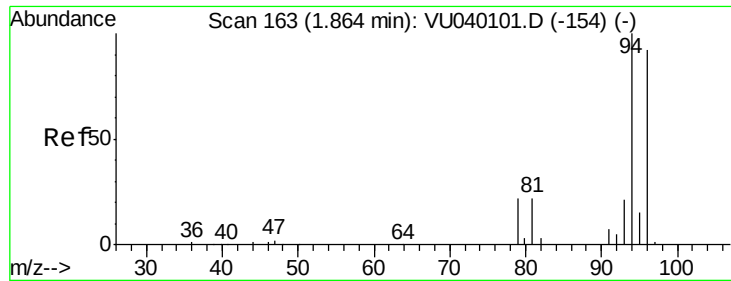
Tgt Ion: 62 Resp: 7860

Ion Ratio Lower Upper

62 100

64 28.7 25.4 38.0





#5

Bromomethane

Concen: 0.919 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 6696

Ion Ratio Lower Upper

94 100

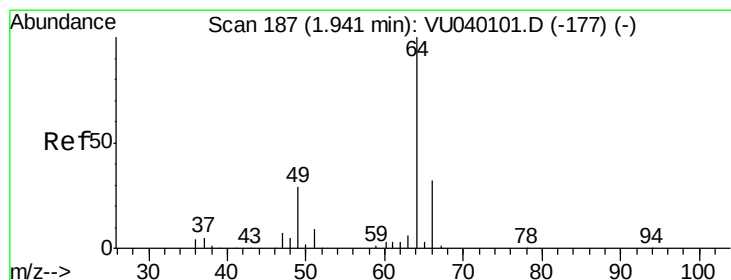
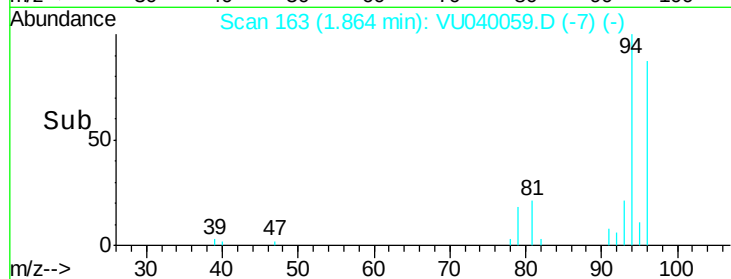
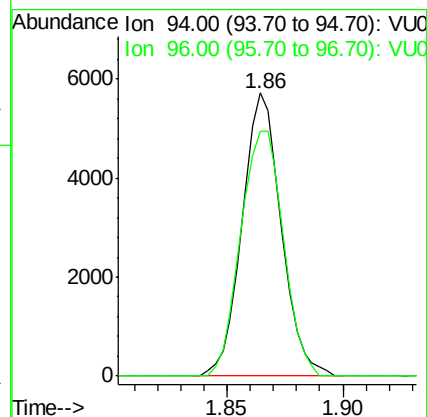
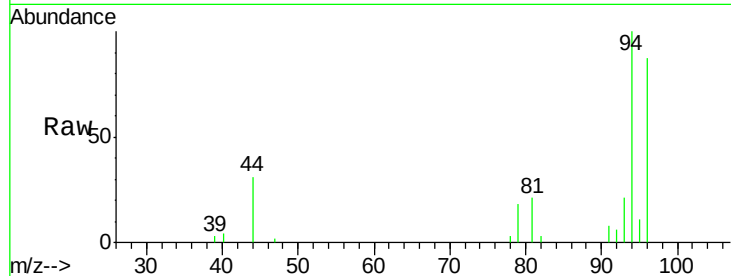
96 86.5 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 0.736 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040059.D

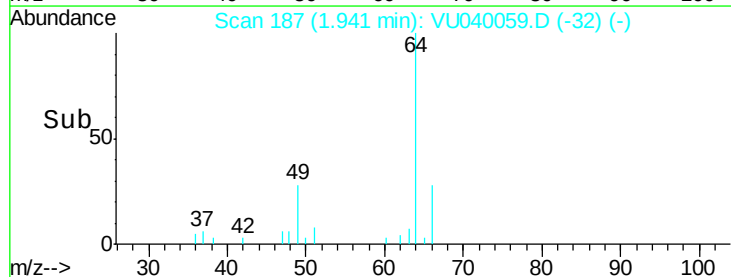
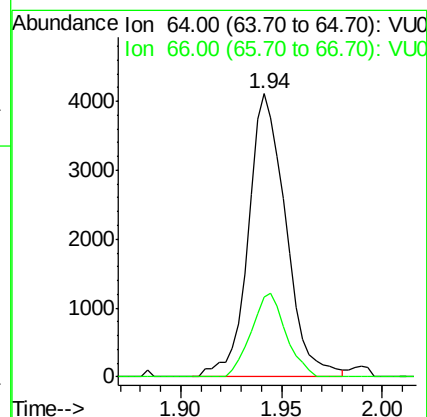
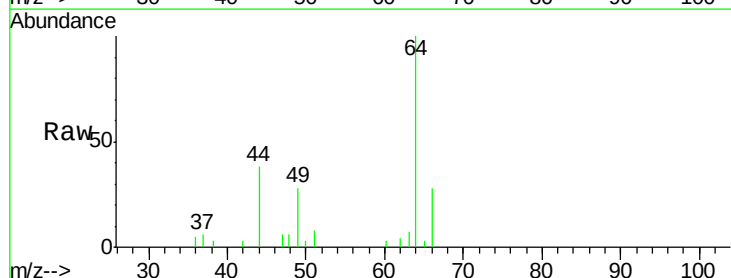
Acq: 09 Sep 2020 11:00

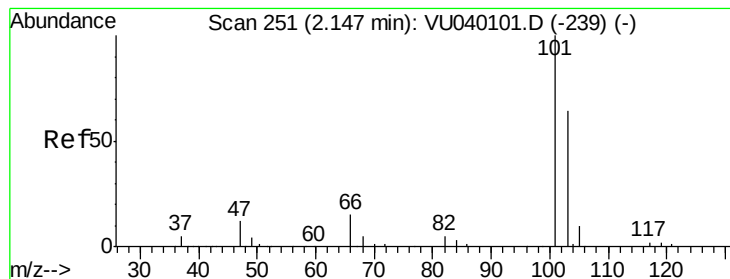
Tgt Ion: 64 Resp: 5369

Ion Ratio Lower Upper

64 100

66 28.3 26.7 40.1





#7

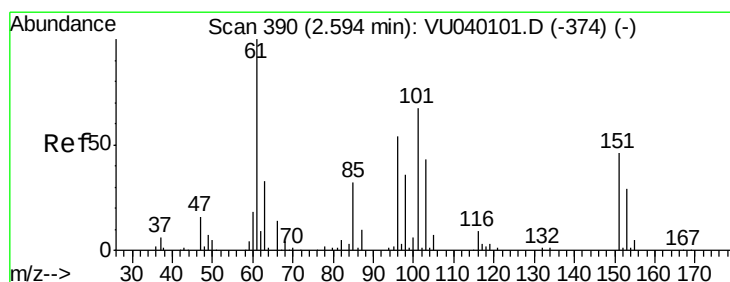
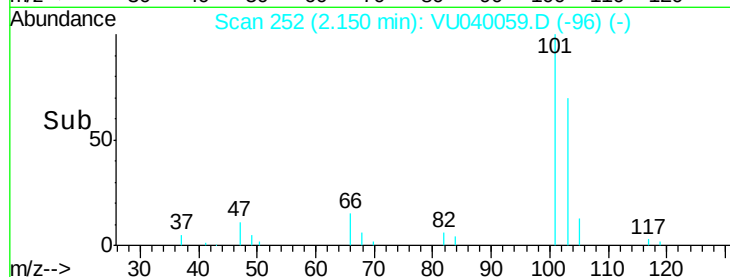
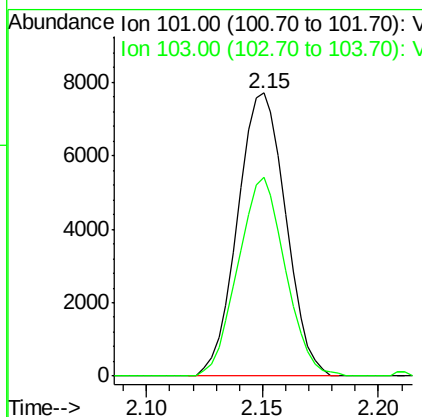
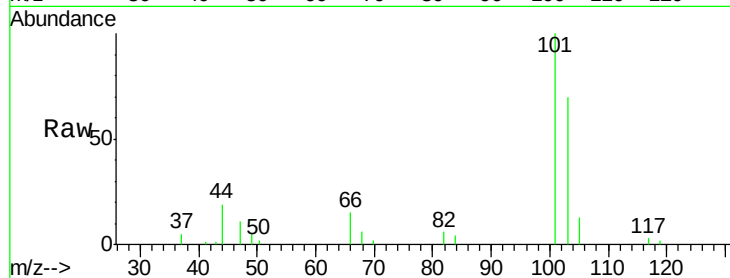
Trichlorofluoromethane
Concen: 0.779 ug/l
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.3	50.8	76.2

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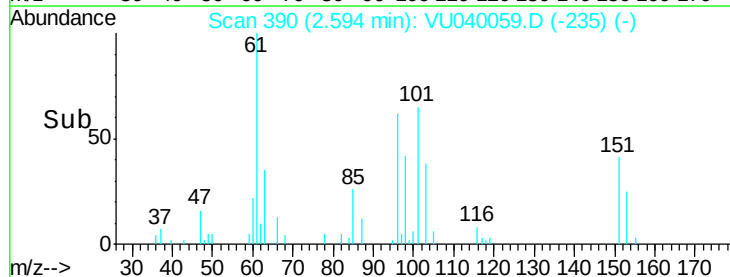
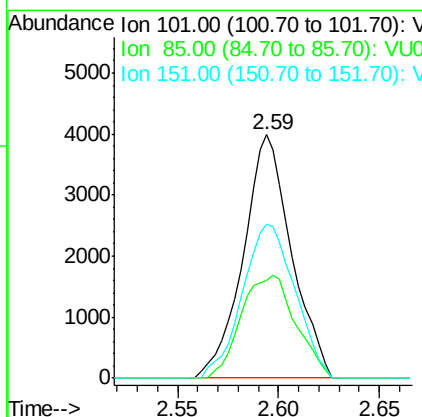
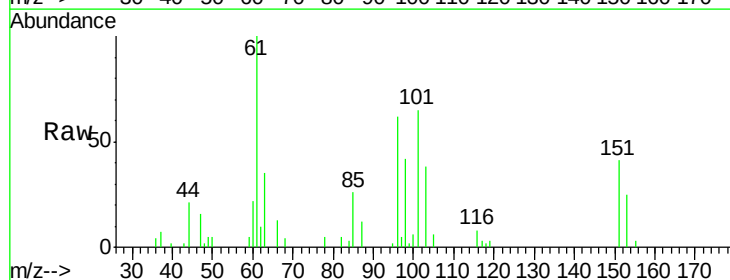
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9/17/2020 4:47:01 PM

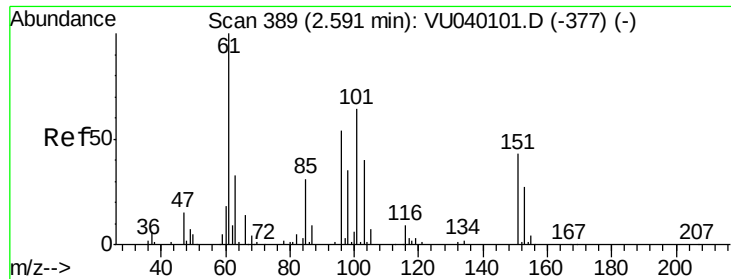


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.810 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.5	57.7
151	68.9	54.6	81.8





#9

1,1-Dichloroethene

Concen: 0.796 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

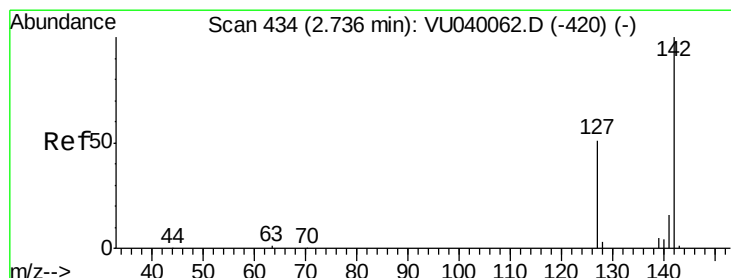
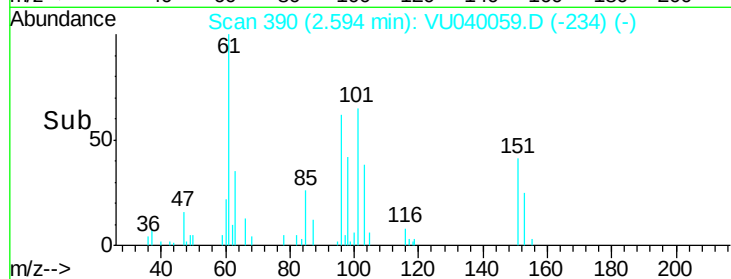
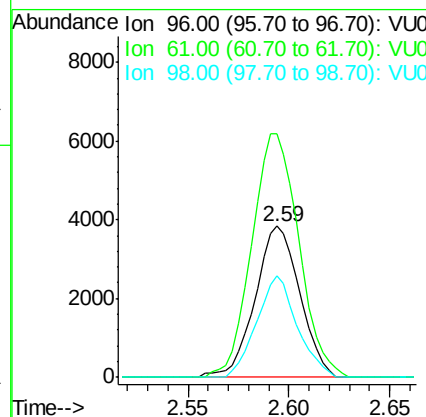
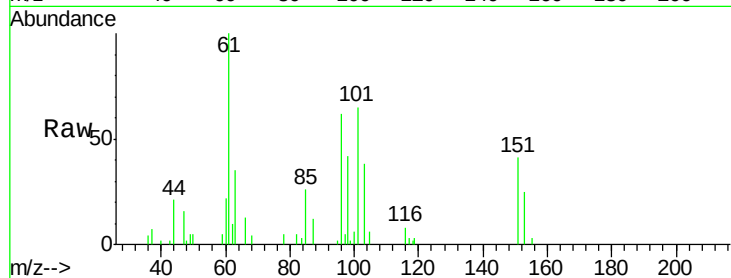
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	5925
Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	557.1
98	67.5	0.0	125.6

Manual Integrations
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9/17/2020 4:47:01 PM



#10

Iodomethane

Concen: 0.326 ug/l

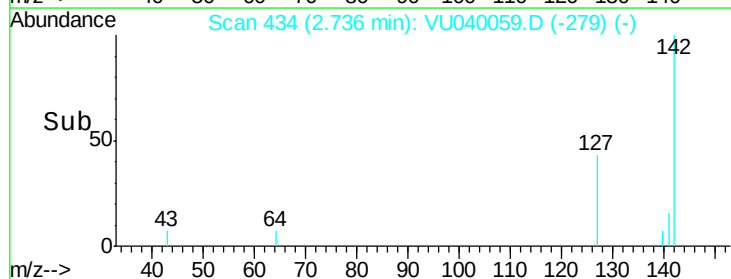
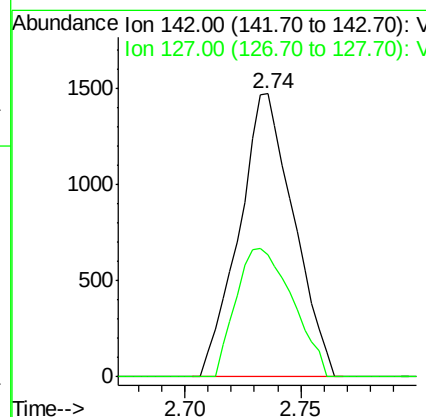
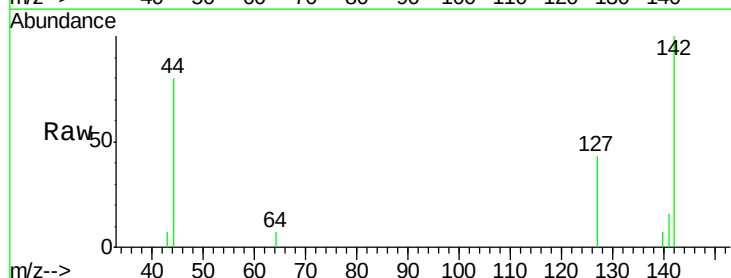
RT: 2.74 min Scan# 434

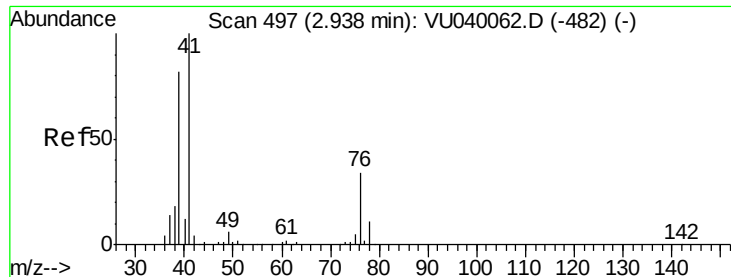
Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Tgt Ion:	142	Resp:	2415
Ion	Ratio	Lower	Upper
142	100		
127	46.9	41.4	62.0





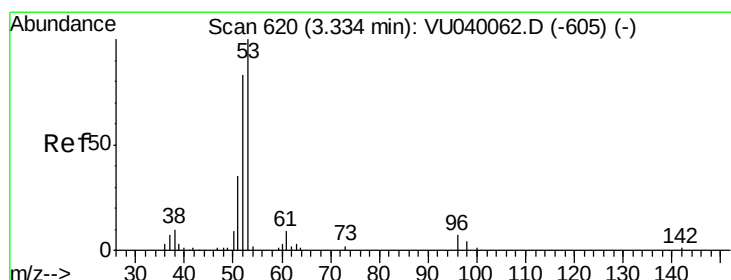
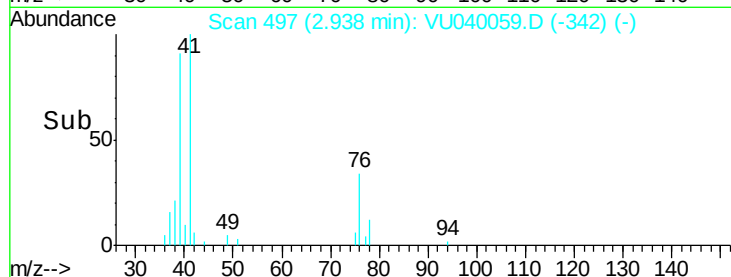
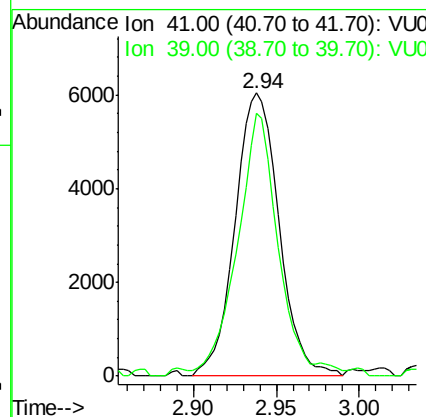
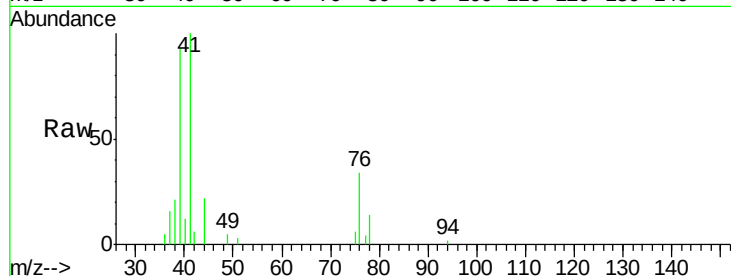
#11
Allvl Chloride
Concen: 0.702 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.0	64.6	96.8

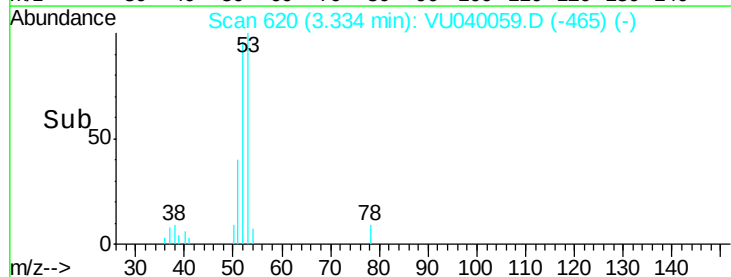
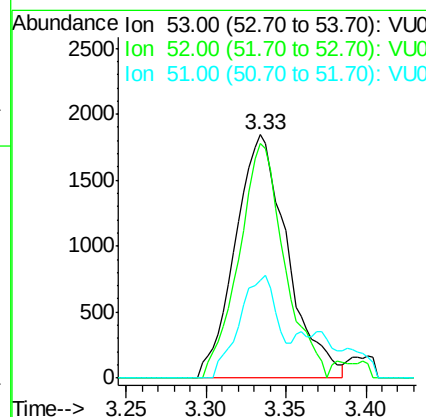
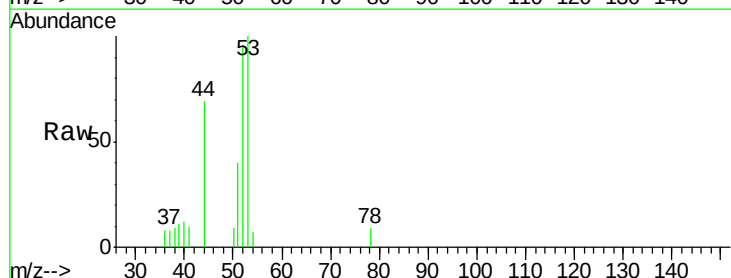
Manual Integrations
APPROVED

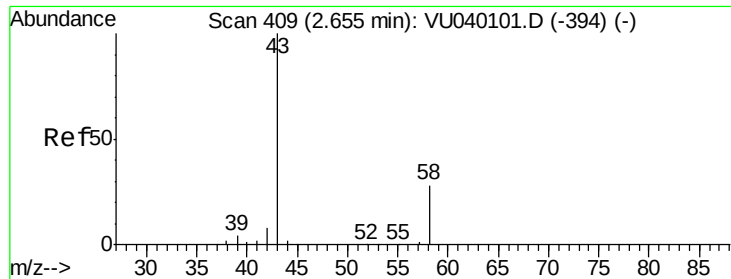
MMDadoda
9/17/2020 4:47:01 PM



#12
Acrylonitrile
Concen: 1.575 ug/l
RT: 3.33 min Scan# 620
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.7	64.0	96.0
51	31.5	28.2	42.2





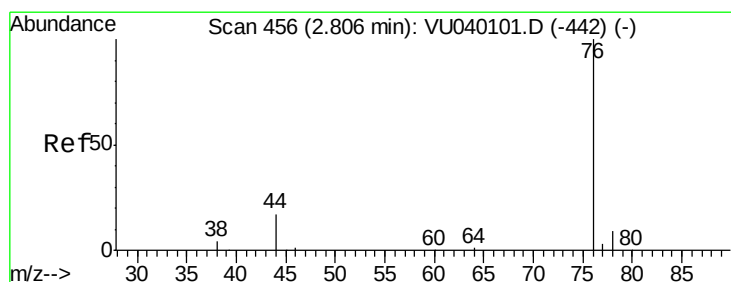
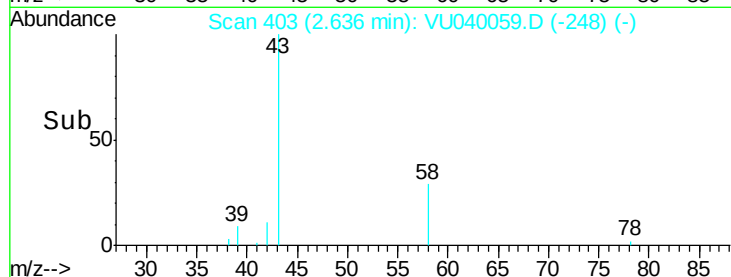
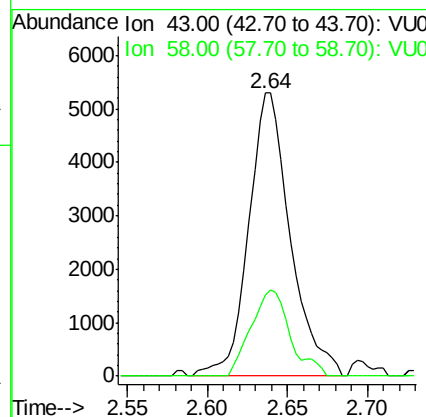
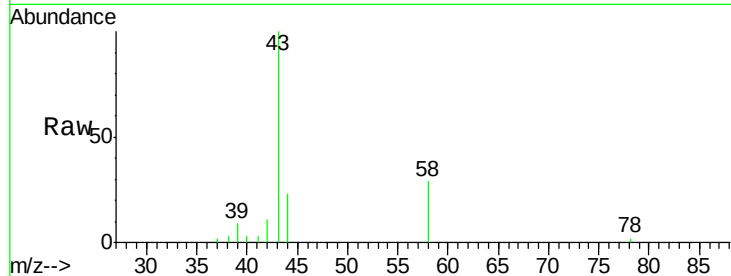
#13
Acetone
Concen: 3.842 ug/l
RT: 2.64 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 9477
Ion Ratio Lower Upper
43 100
58 28.7 20.6 31.0

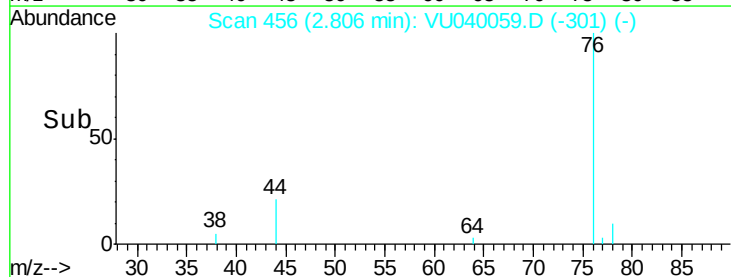
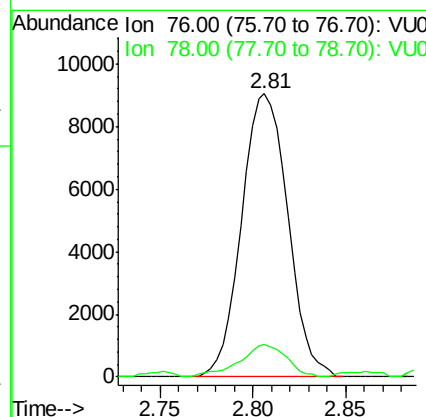
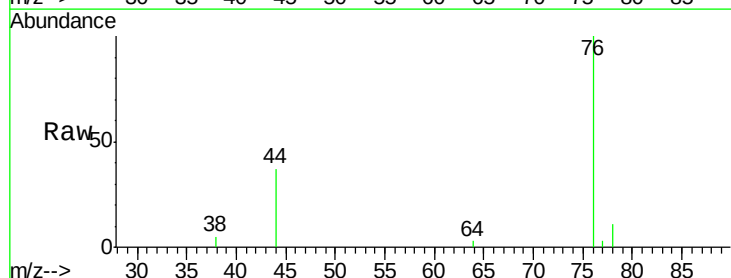
Manual Integrations
APPROVED

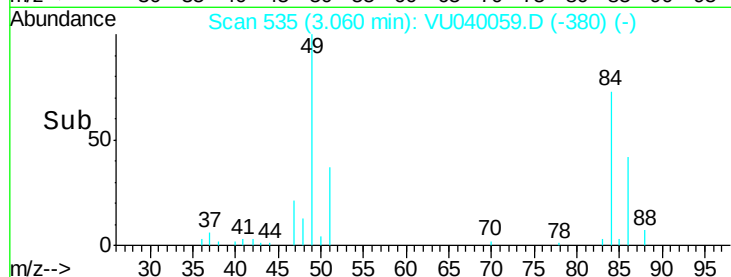
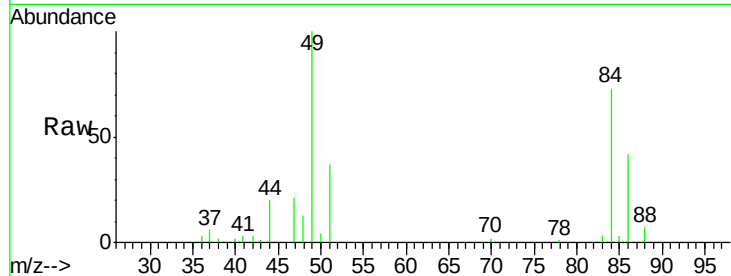
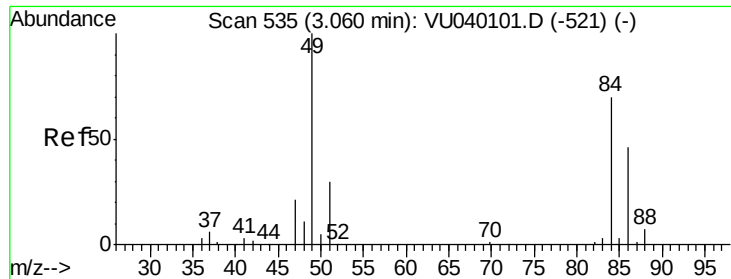
MMDadoda
9/17/2020 4:47:01 PM



#14
Carbon Disulfide
Concen: 0.593 ug/l
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion: 76 Resp: 15677
Ion Ratio Lower Upper
76 100
78 11.4 7.2 10.8#





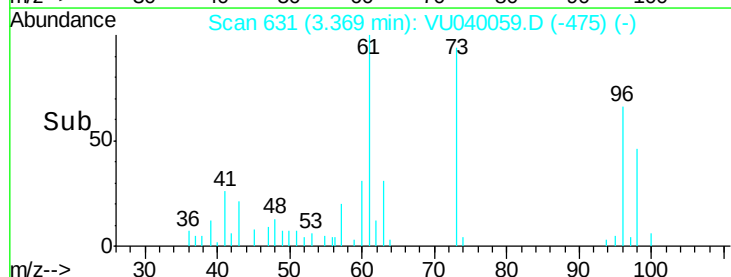
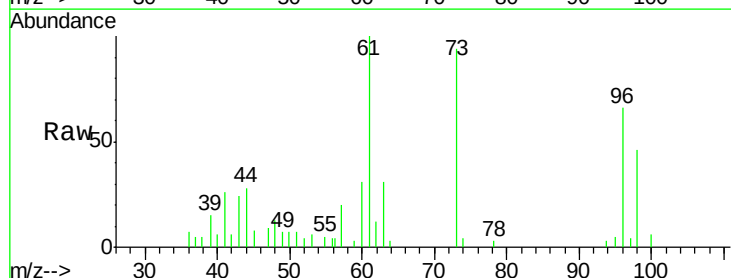
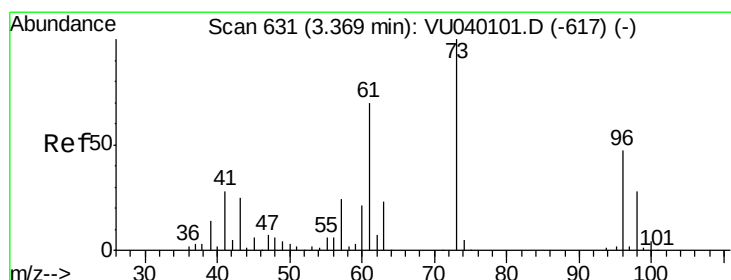
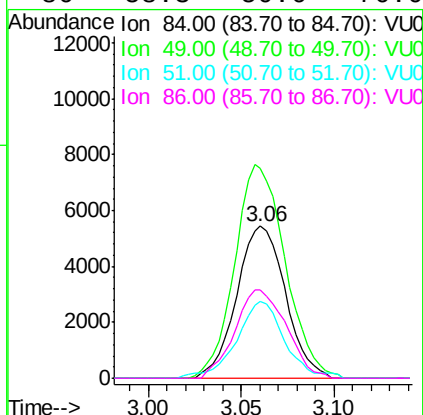
#15
Methylene Chloride
Concen: 0.957 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	137.5	114.3	171.5	
51	47.9	0.0	84.6	
86	58.3	50.6	76.0	

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

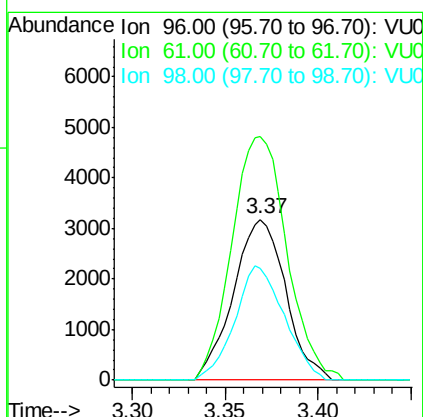
Manual Integrations
APPROVED

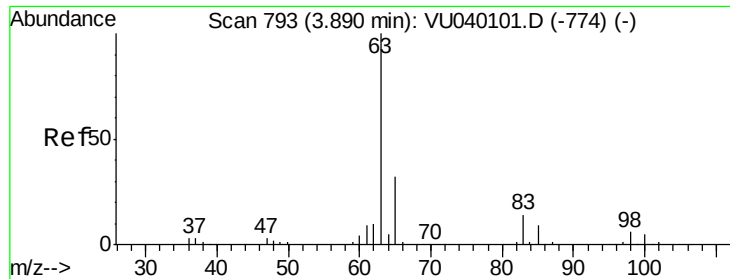
MMDadoda
9/17/2020 4:47:01 PM



#16
trans-1,2-Dichloroethene
Concen: 0.738 ug/l
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	151.6	121.4	182.0	
98	69.4	51.9	77.9	





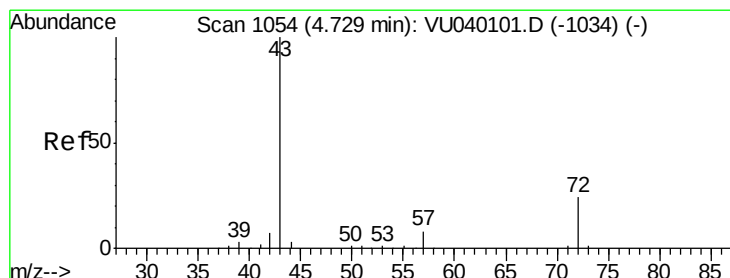
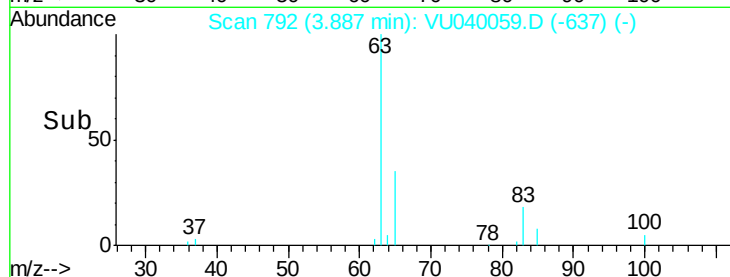
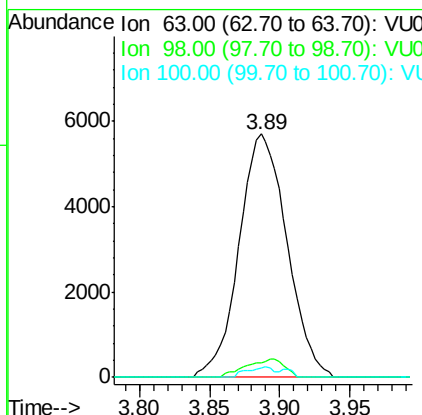
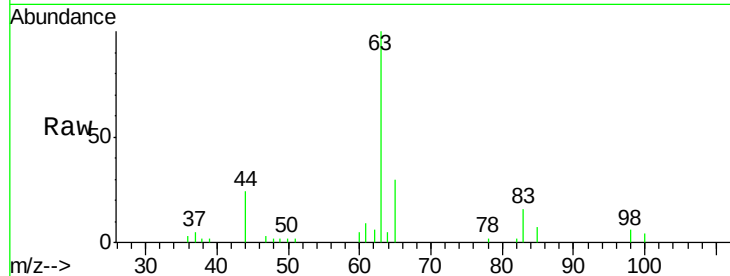
#17
 1,1-Dichloroethane
 Concen: 0.732 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	63	Resp:	13492
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.1	9.4
100	4.0	2.0	5.8

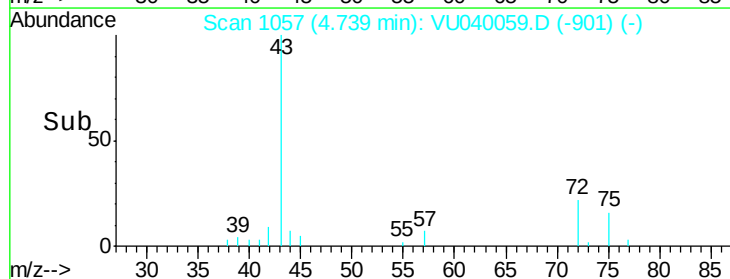
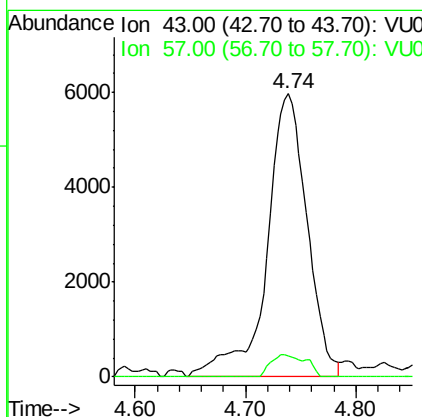
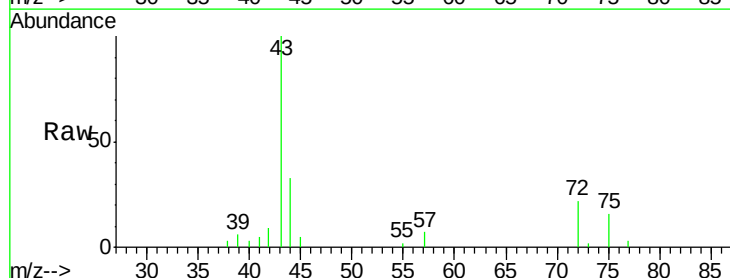
Manual Integrations
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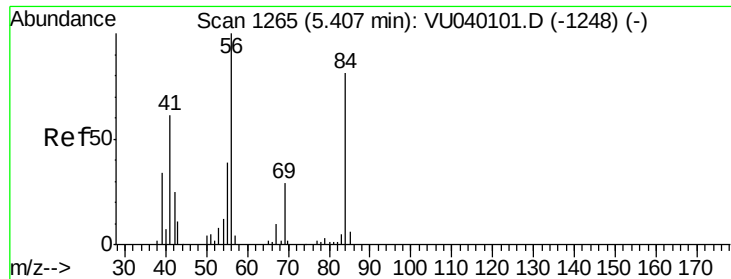
MMDadoda
 9/17/2020 4:47:01 PM



#18
 2-Butanone
 Concen: 3.712 ug/l
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Tgt Ion:	43	Resp:	15147
Ion Ratio	Lower	Upper	
43	100		
57	7.3	0.0	15.2





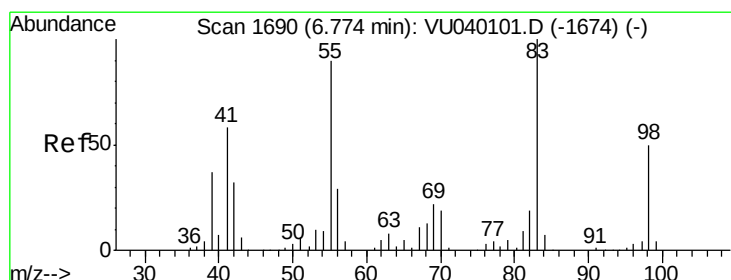
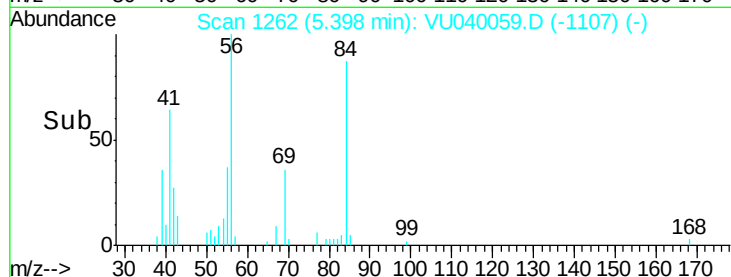
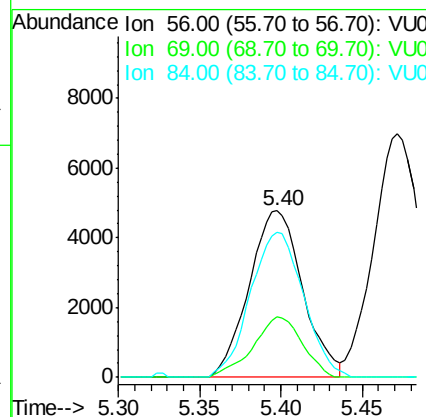
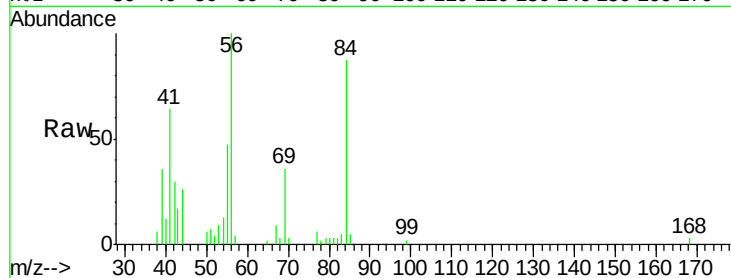
#19
Cyclohexane
Concen: 0.620 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	23.5	35.3
84	86.4	63.8	95.6

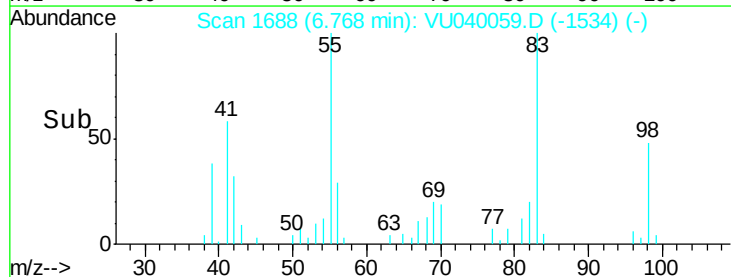
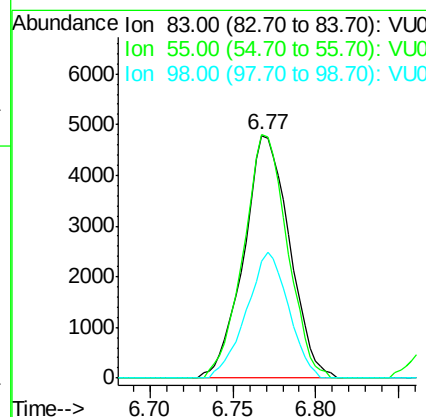
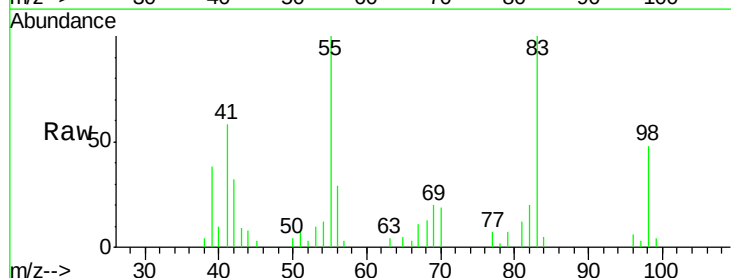
Manual Integrations
APPROVED

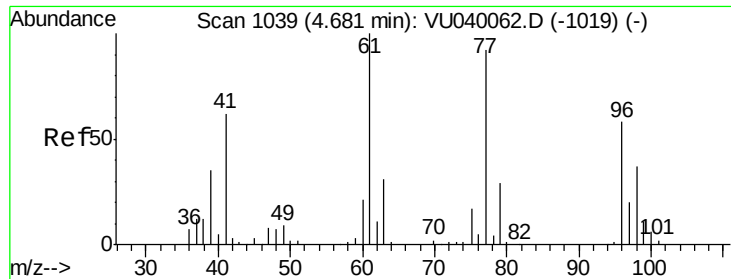
MMDadoda
9/17/2020 4:47:01 PM



#20
Methylcyclohexane
Concen: 0.686 ug/l
RT: 6.77 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
55	96.5	69.4	104.2
98	47.9	37.5	56.3





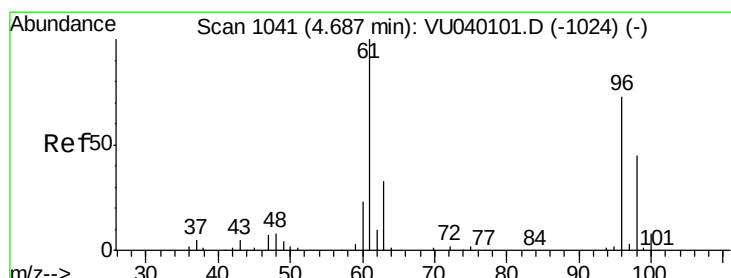
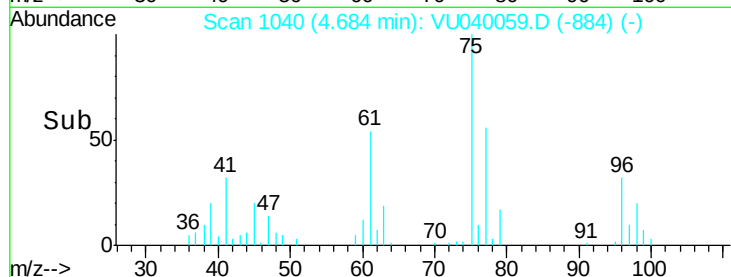
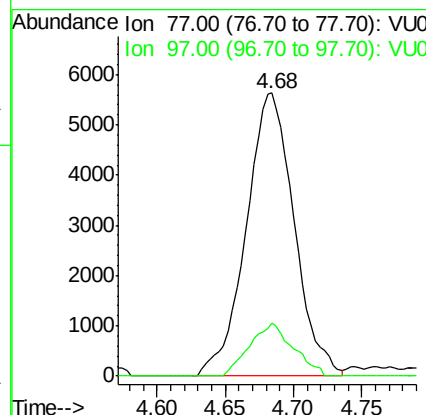
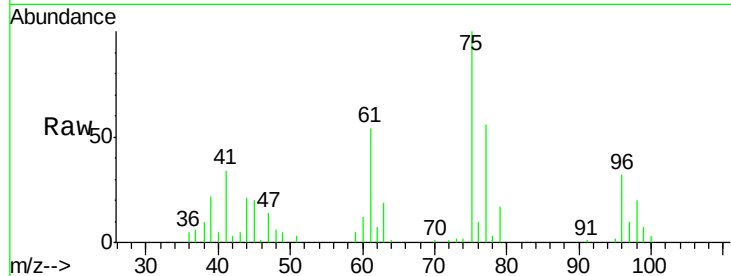
#21
 2,2-Dichloropropane
 Concen: 0.898 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 13752
 Ion Ratio Lower Upper
 77 100
 97 17.0 16.4 24.6

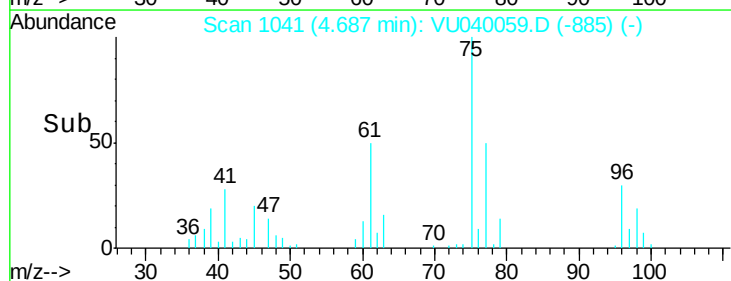
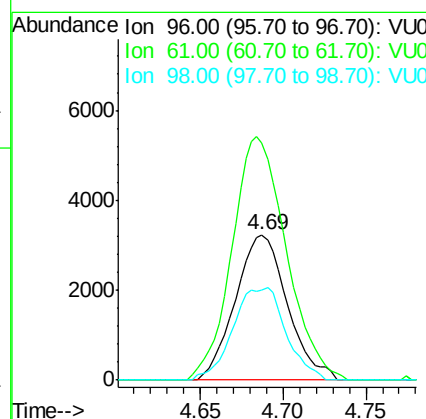
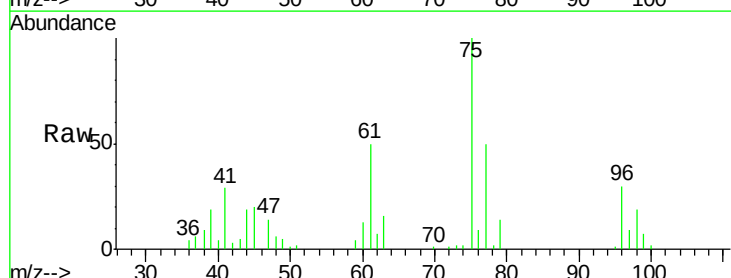
Manual Integrations
 APPROVED

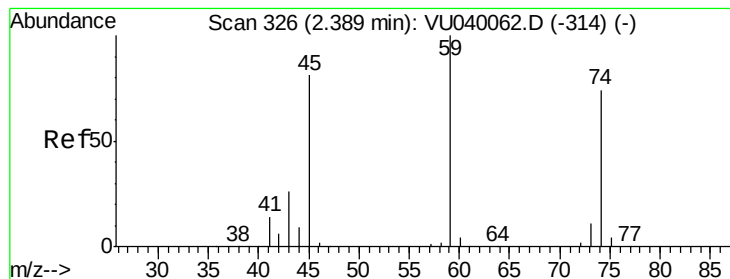
MMDadoda
 9/17/2020 4:47:01 PM



#22
 cis-1,2-Dichloroethene
 Concen: 0.768 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Tgt Ion: 96 Resp: 7038
 Ion Ratio Lower Upper
 96 100
 61 174.6 0.0 420.0
 98 64.6 31.8 95.3





#23

Diethyl Ether

Concen: 0.724 ug/l

RT: 2.39 min Scan# 326

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 59 Resp: 5468

Ion Ratio Lower Upper

59 100

45 77.7 62.4 93.6

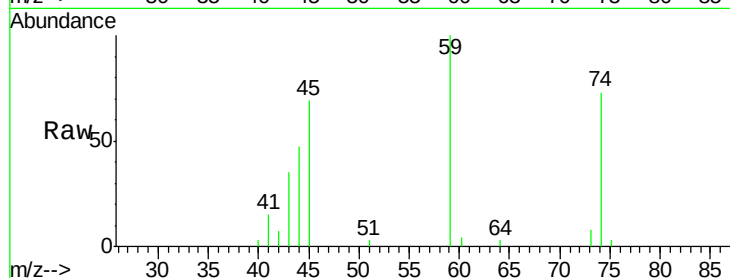
74 68.0 57.7 86.5

Manual Integrations

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MMDadoda

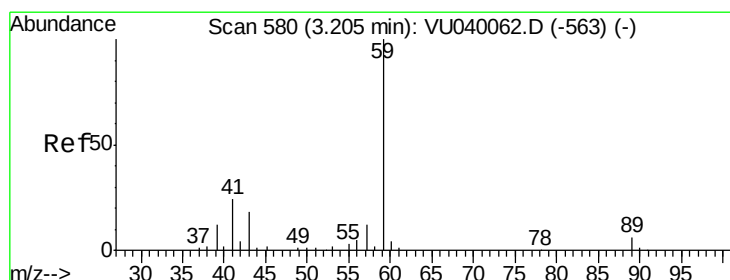
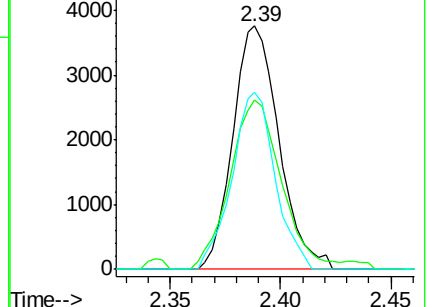
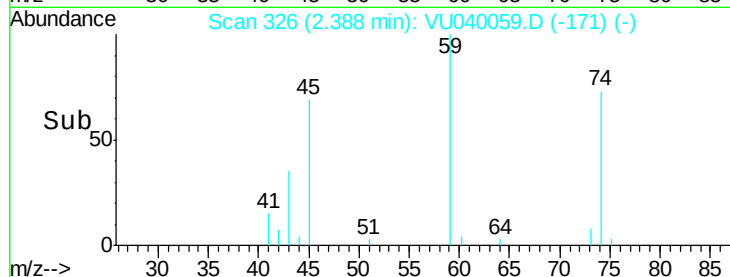
9/17/2020 4:47:01 PM



Abundance Ion 59.00 (58.70 to 59.70): VU040059.D (-171) (-)

Ion 45.00 (44.70 to 45.70): VU040059.D (-171) (-)

Ion 74.00 (73.70 to 74.70): VU040059.D (-171) (-)



#24

tert-Butyl Alcohol

Concen: 5.677 ug/l

RT: 3.20 min Scan# 580

Delta R.T. -0.00 min

Lab File: VU040059.D

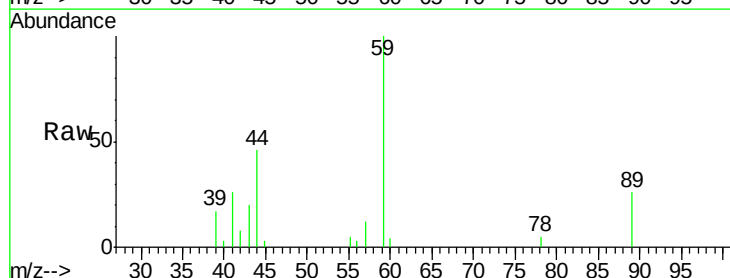
Acq: 09 Sep 2020 11:00

Tgt Ion: 59 Resp: 7785

Ion Ratio Lower Upper

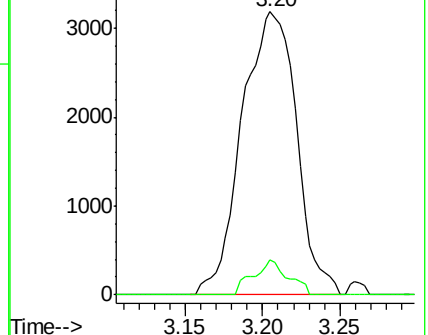
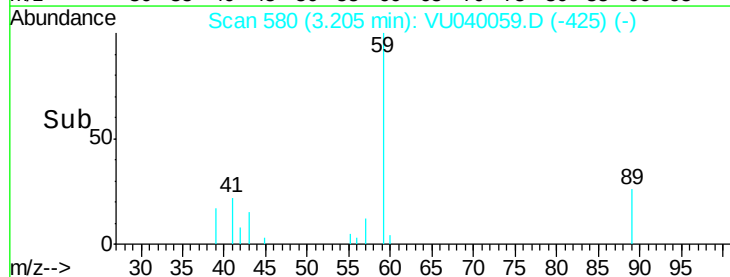
59 100

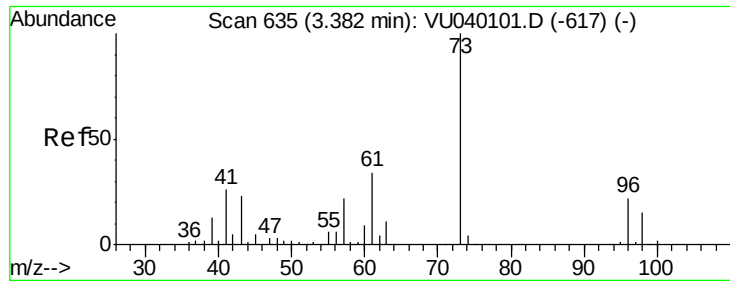
57 7.9 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VU040059.D (-425) (-)

Ion 57.00 (56.70 to 57.70): VU040059.D (-425) (-)





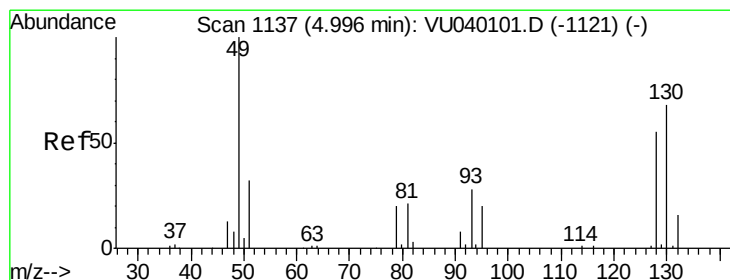
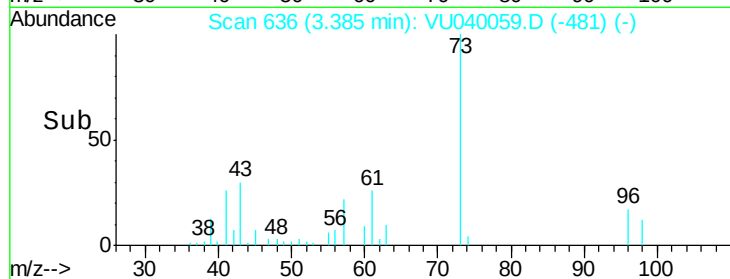
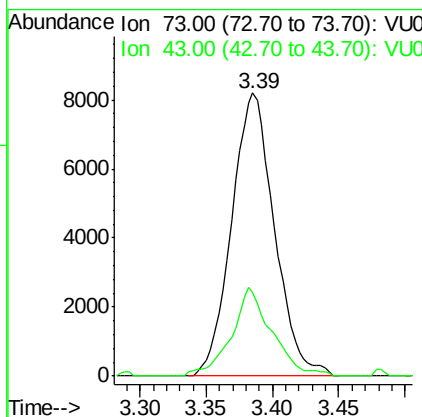
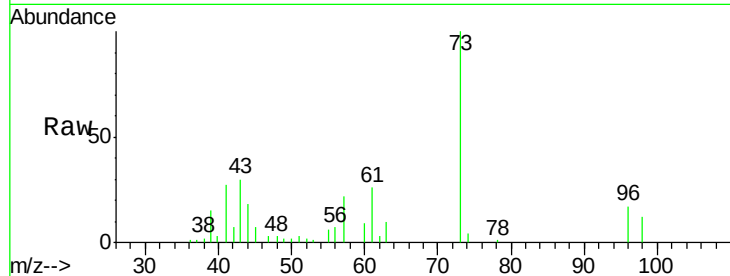
#25
Methyl tert-Butyl Ether
Concen: 0.755 ug/l
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 18377
Ion Ratio Lower Upper
73 100
43 29.6 20.0 30.0

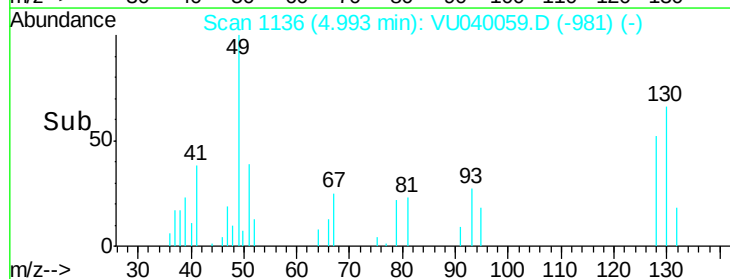
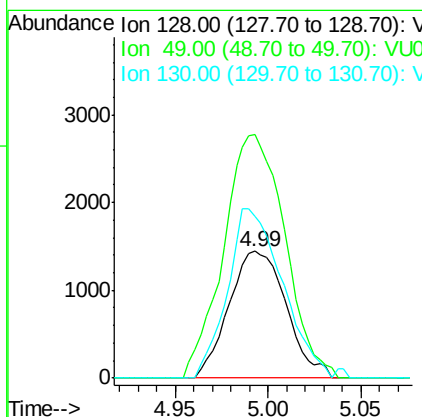
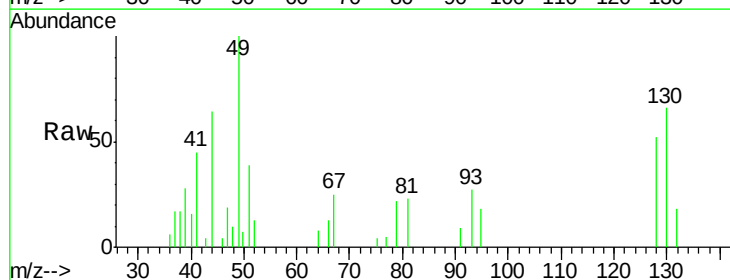
Manual Integrations
APPROVED

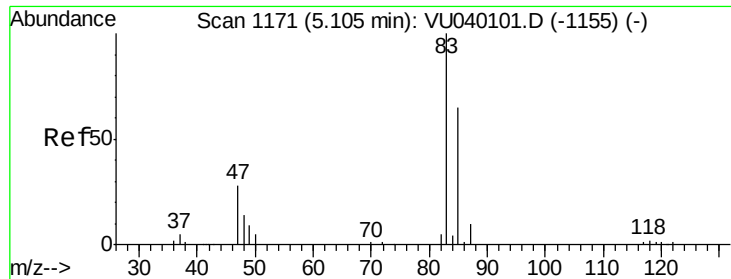
MMDadoda
9/17/2020 4:47:01 PM



#26
Bromochloromethane
Concen: 0.821 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion: 128 Resp: 3108
Ion Ratio Lower Upper
128 100
49 204.4 0.0 390.6
130 127.9 104.9 157.3





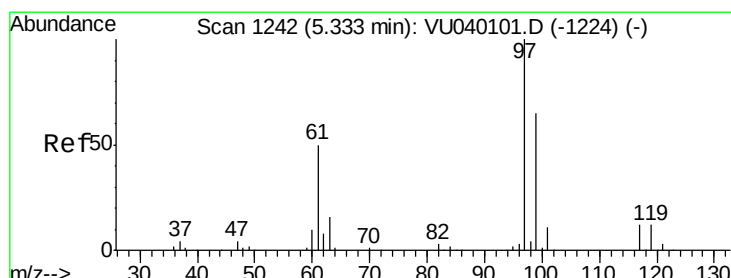
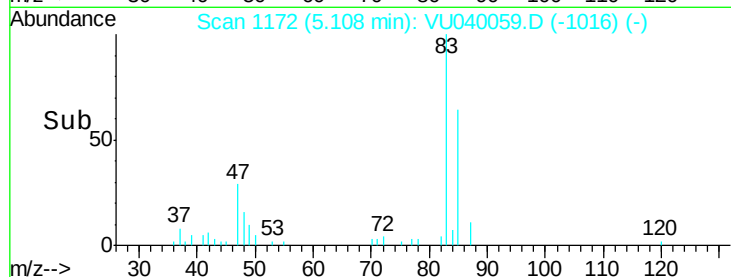
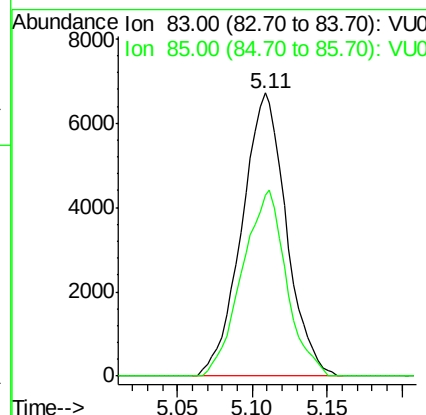
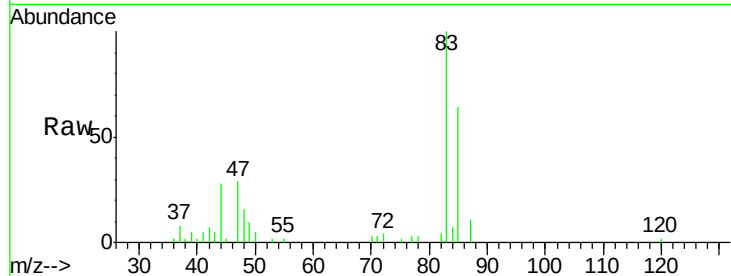
#27
Chloroform
Concen: 0.795 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	13898
Ion Ratio	100	Lower	Upper
85	63.8	0.0	132.4

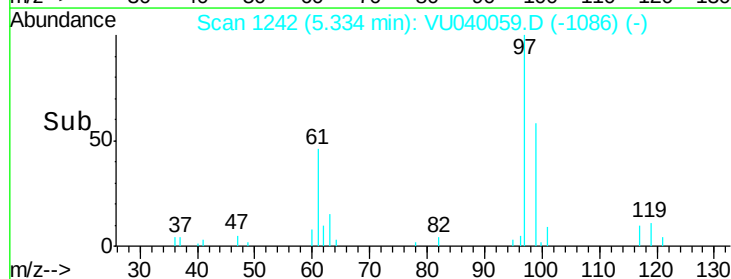
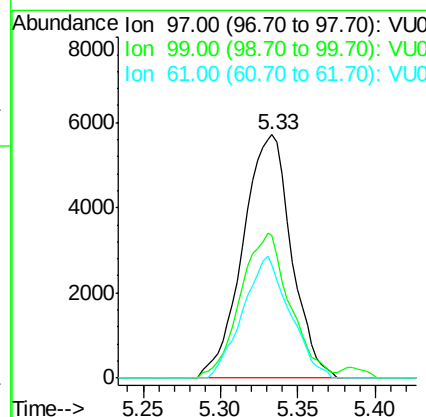
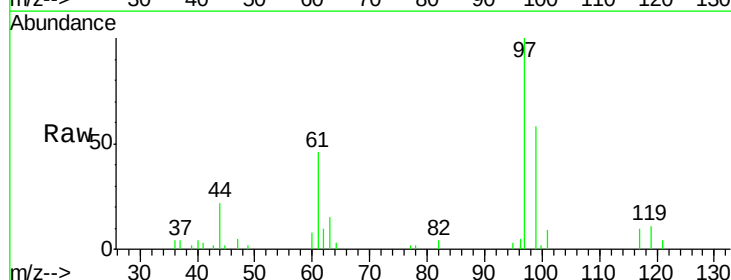
Manual Integrations
APPROVED

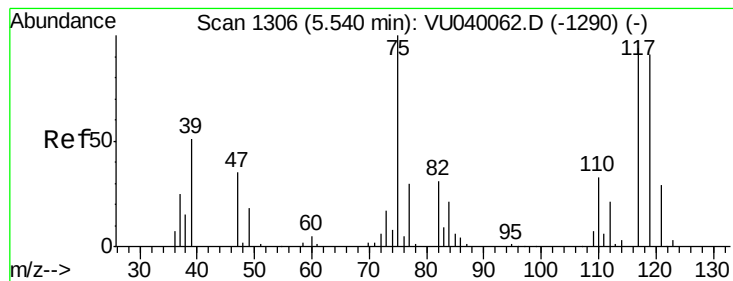
MMDadoda
9/17/2020 4:47:01 PM



#28
1,1,1-Trichloroethane
Concen: 0.873 ug/l
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	97	Resp	12492
Ion Ratio	100	Lower	Upper
99	60.5	31.8	95.4
61	48.4	25.1	75.2





#29

1,1-Dichloropropene

Concen: 0.722 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 9793

Ion Ratio Lower Upper

75 100

110 28.4 16.2 48.6

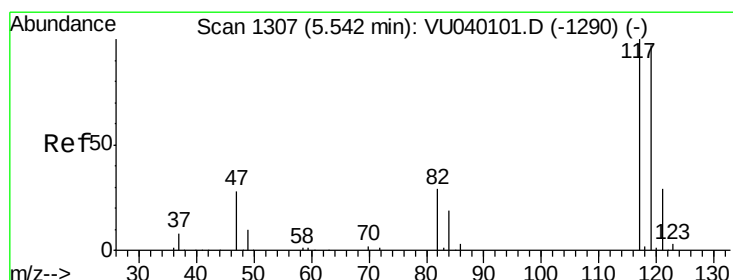
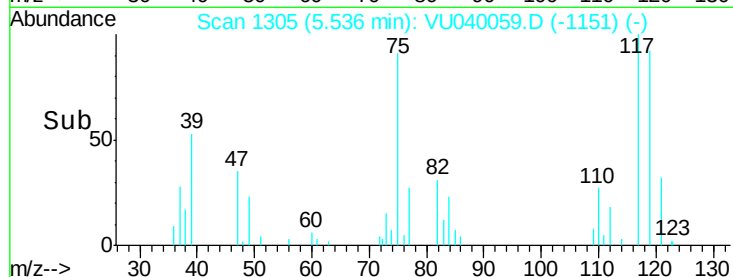
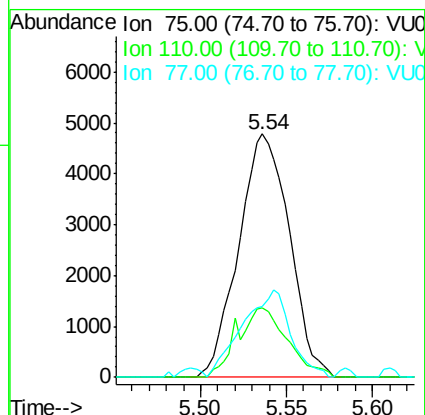
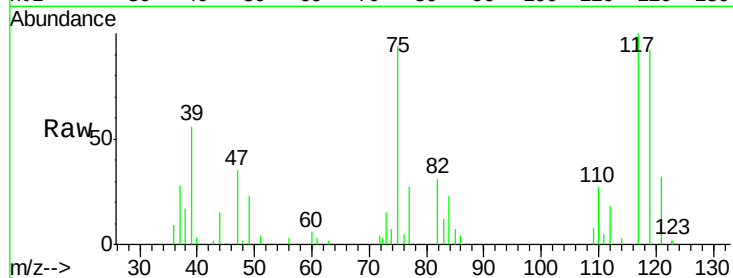
77 34.2 25.3 37.9

Manual Integrations

APPROVED

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#30

Carbon Tetrachloride

Concen: 0.897 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

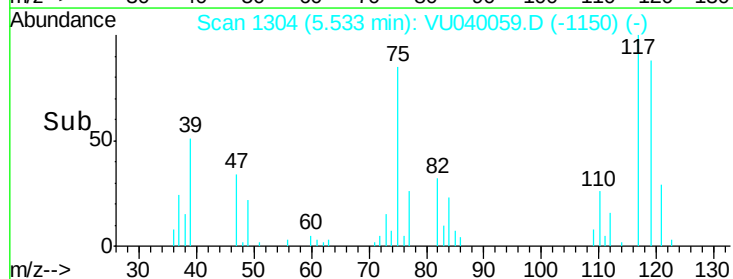
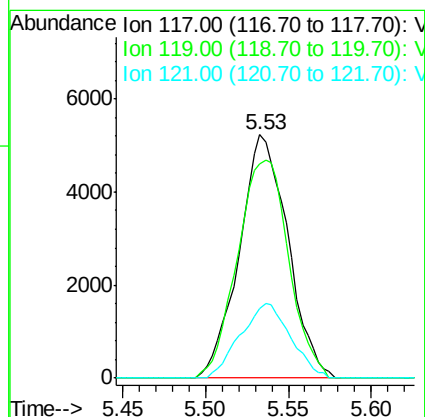
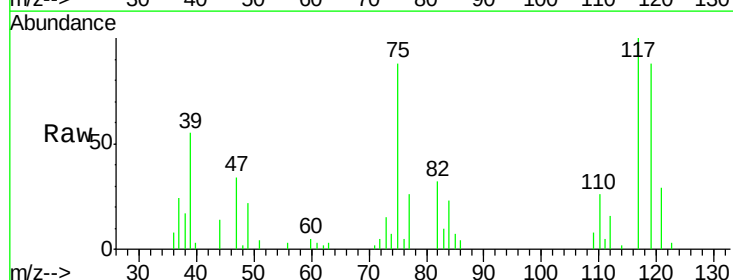
Tgt Ion: 117 Resp: 10665

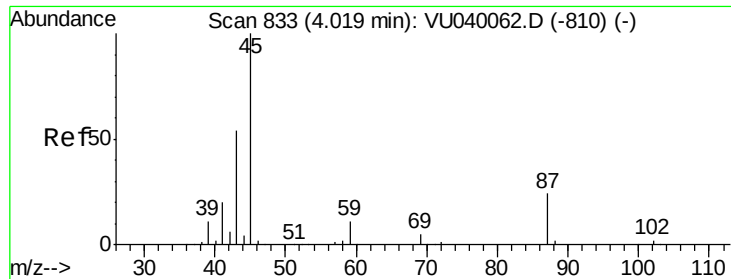
Ion Ratio Lower Upper

117 100

119 87.8 77.0 115.4

121 28.5 24.2 36.4





#31

Isopropyl Ether

Concen: 0.716 ug/l

RT: 4.02 min Scan# 834

Delta R.T. 0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 23972

Ion Ratio Lower Upper

45 100

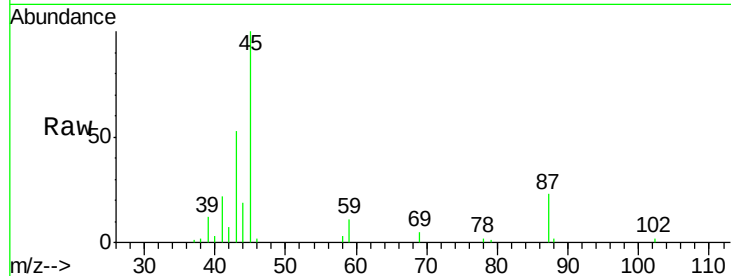
43 54.1 27.9 83.7

Manual Integrations

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9/17/2020 4:47:01 PM



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

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

4.02

10000

8000

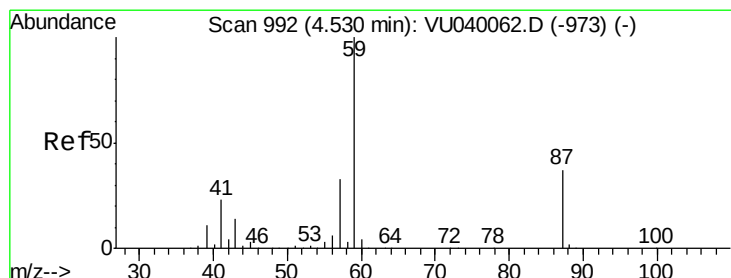
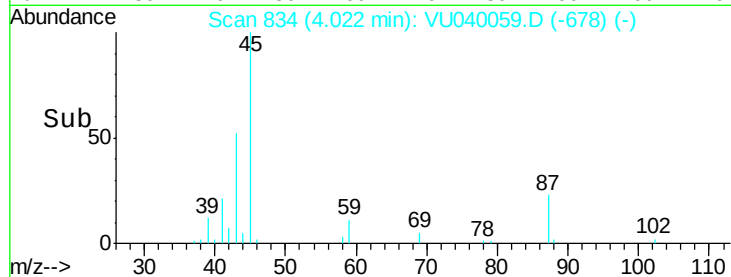
6000

4000

2000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 0.715 ug/l

RT: 4.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: VU040059.D

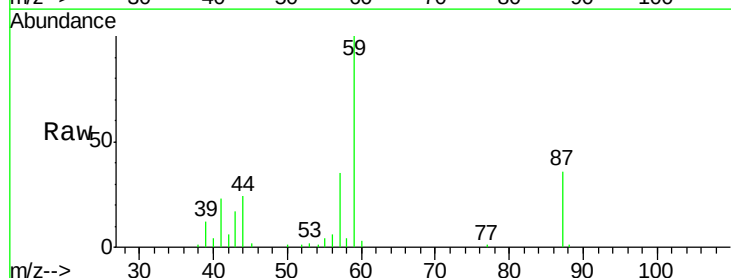
Acq: 09 Sep 2020 11:00

Tgt Ion: 59 Resp: 20554

Ion Ratio Lower Upper

59 100

87 38.6 30.7 46.1



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

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

4.53

8000

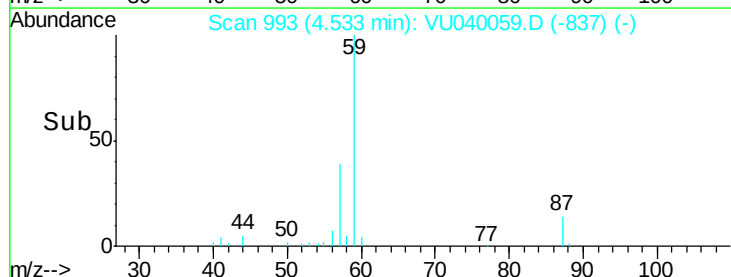
6000

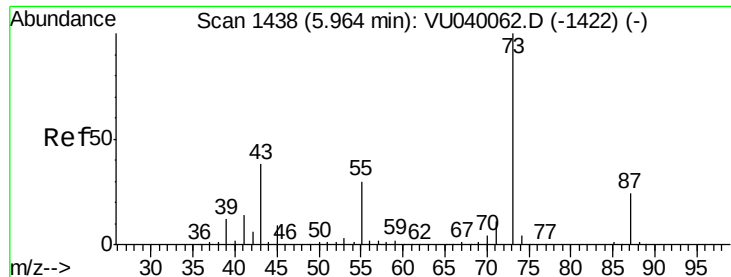
4000

2000

0

Time-->





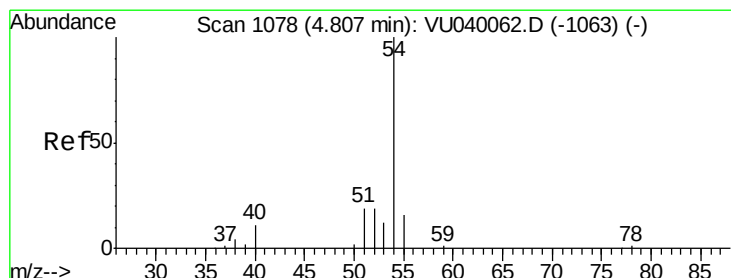
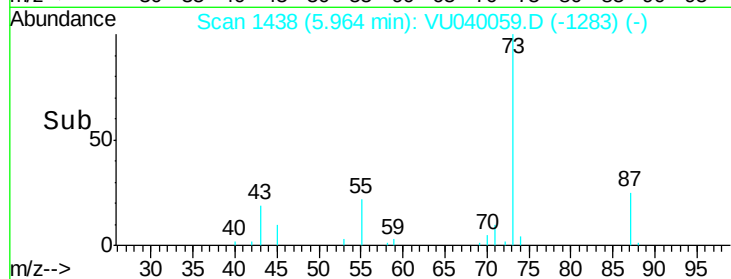
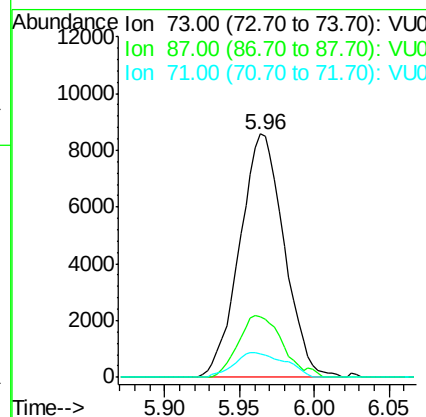
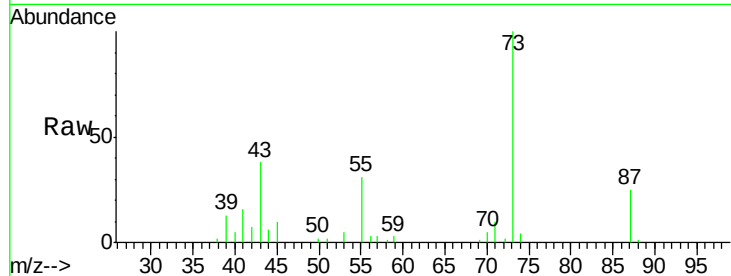
#33
Tert-Butyl methyl ether
Concen: 0.830 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
87	25.4	19.4	29.0
71	11.7	9.2	13.8

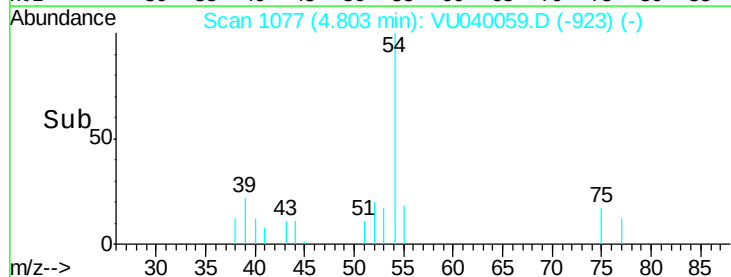
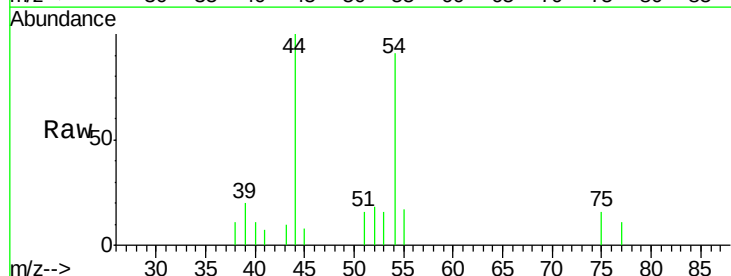
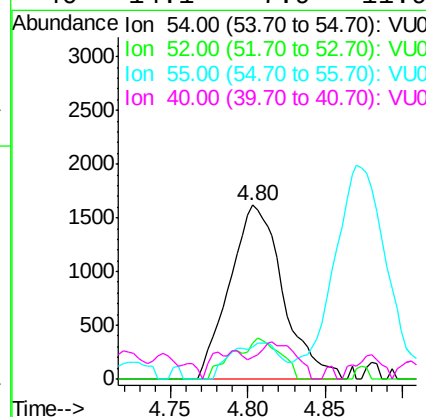
Manual Integrations
APPROVED

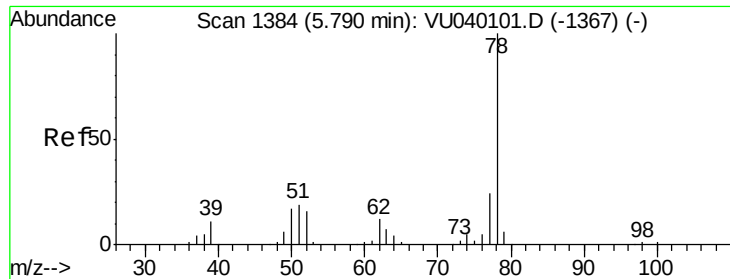
MMDadoda
9/17/2020 4:47:01 PM



#34
Propionitrile
Concen: 3.839 ug/l
RT: 4.80 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
54	100		
52	13.8	16.2	24.4#
55	18.8	12.6	18.8
40	14.1	7.9	11.9#





#35

Benzene

Concen: 0.835 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 28514

Ion Ratio Lower Upper

78 100

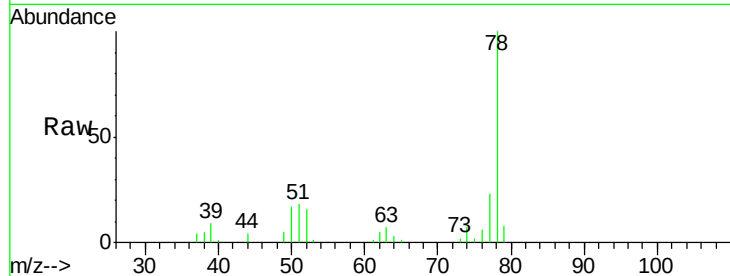
77 22.7 19.1 28.7

Manual Integrations

APPROVED

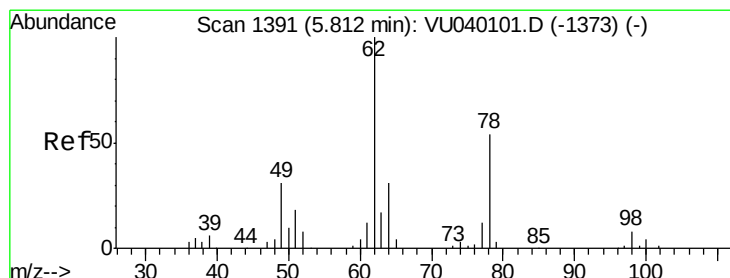
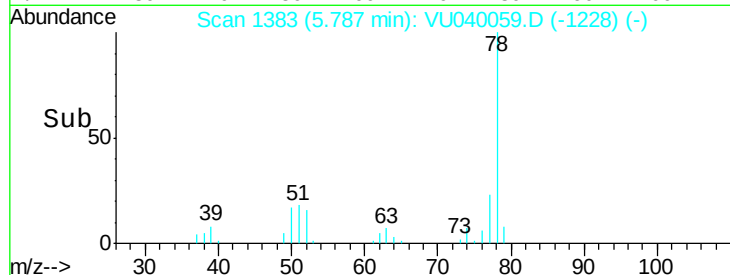
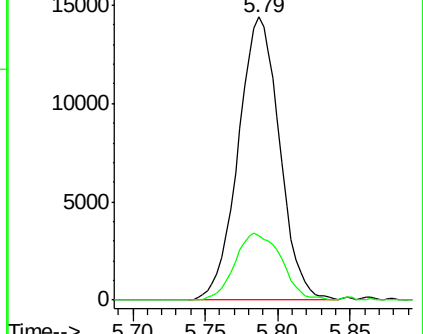
MMDadoda

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 0.802 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU040059.D

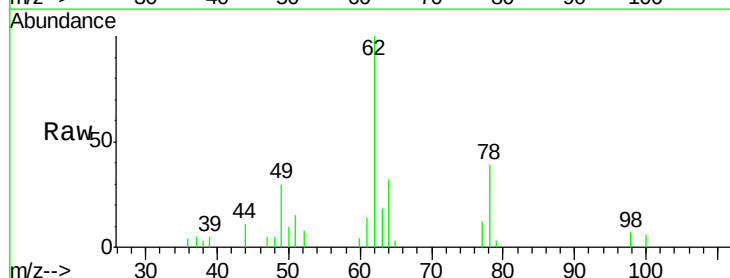
Acq: 09 Sep 2020 11:00

Tgt Ion: 62 Resp: 10306

Ion Ratio Lower Upper

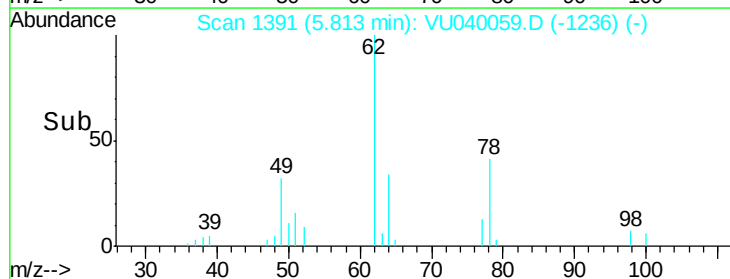
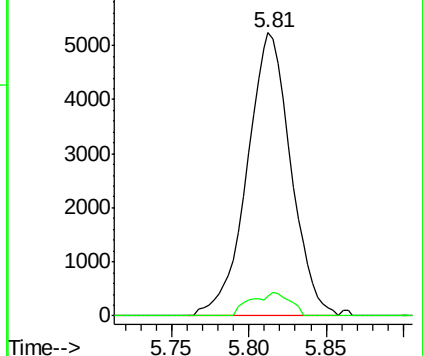
62 100

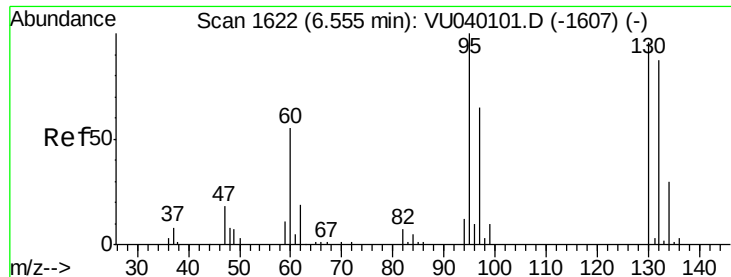
98 7.3 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





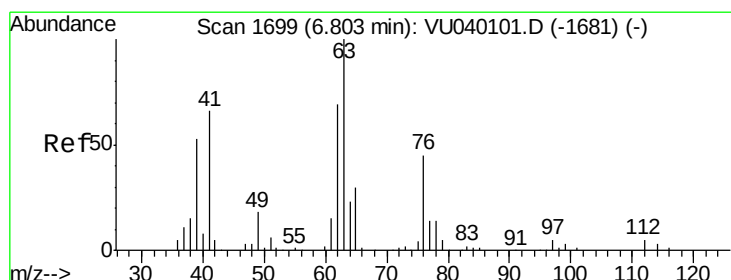
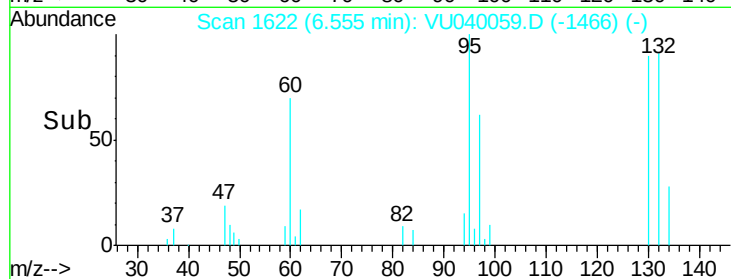
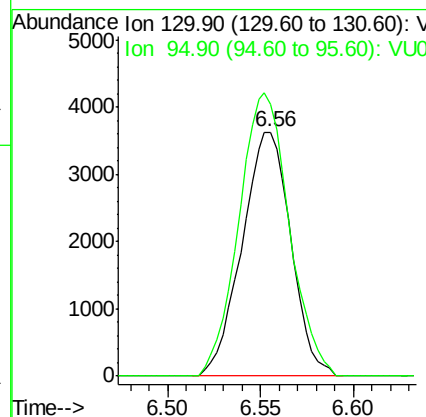
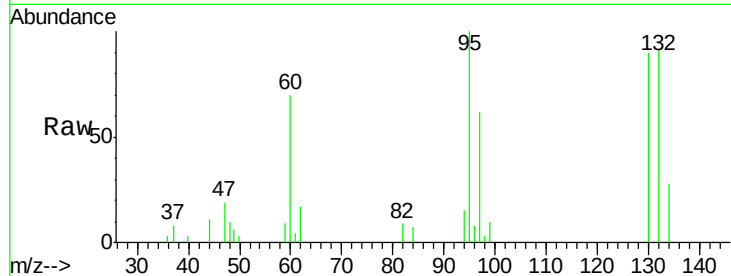
#37
 Trichloroethene
 Concen: 0.843 ug/l
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 6660
 Ion Ratio Lower Upper
 130 100
 95 111.1 84.2 126.2

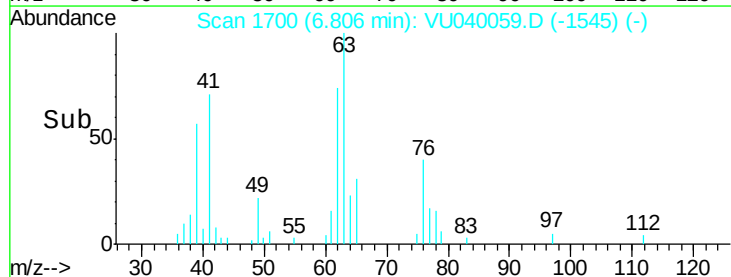
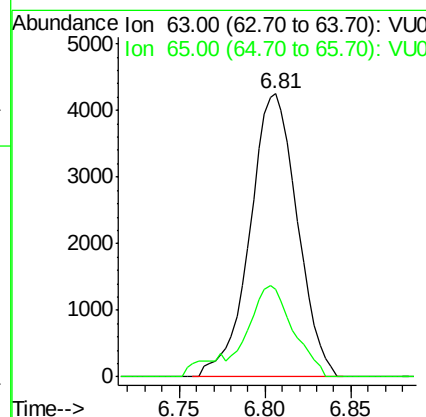
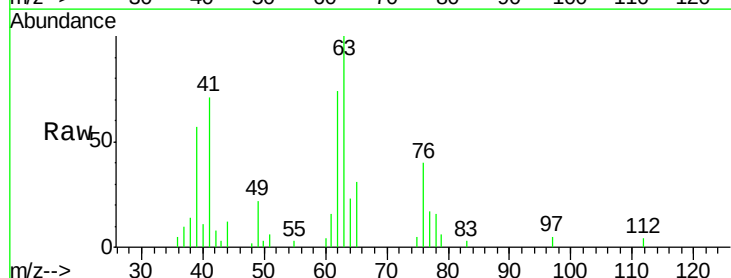
Manual Integrations
 APPROVED

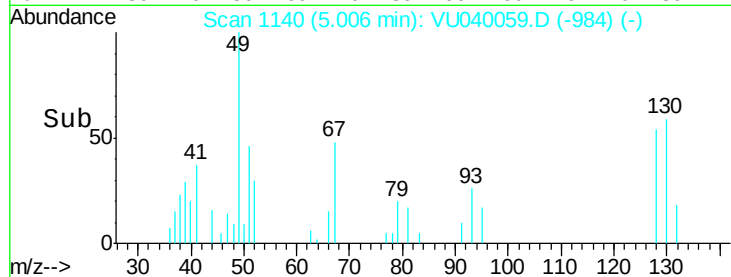
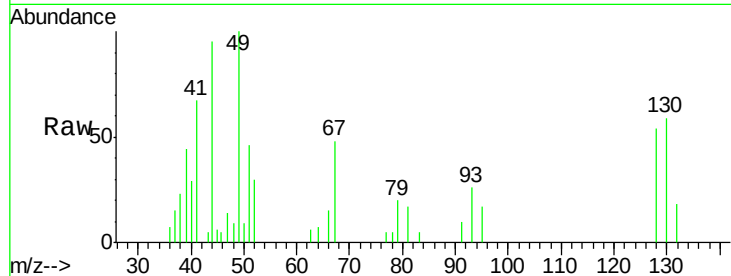
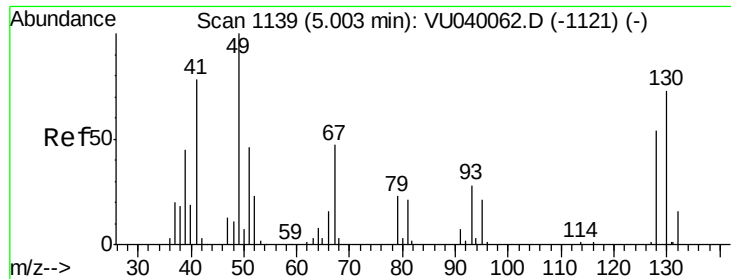
MMDadoda
 9/17/2020 4:47:01 PM



#38
 1,2-Dichloropropane
 Concen: 0.864 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Tgt Ion: 63 Resp: 8115
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.0 34.6





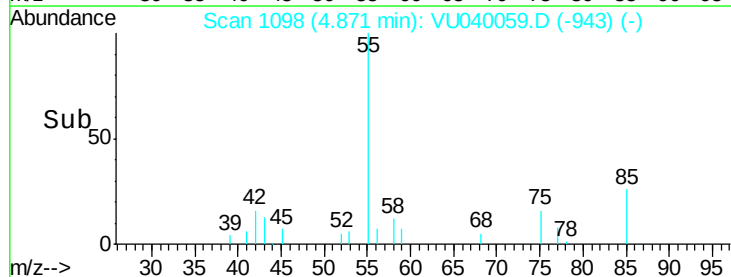
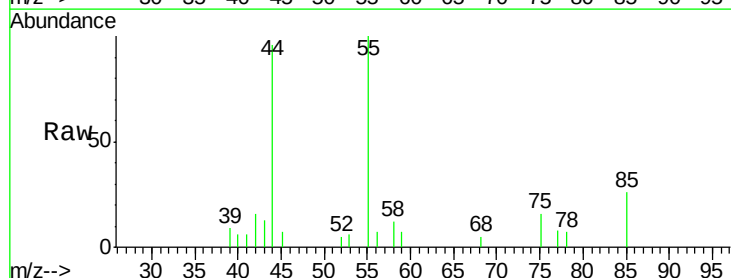
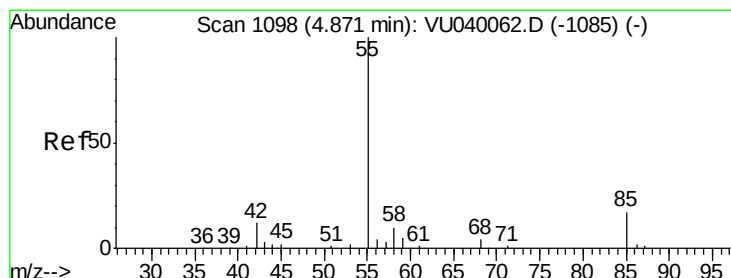
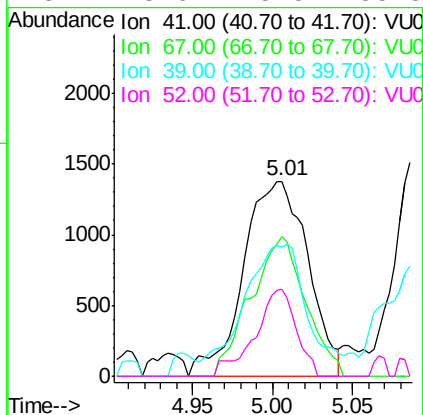
#39
Methacrylonitrile
Concen: 0.714 ug/l
RT: 5.01 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tot Ion	41	Resp:	3829
Ion	Ratio	Lower	Upper
41	100		
67	61.2	49.2	73.8
39	62.3	46.5	69.7
52	28.6	25.5	38.3

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

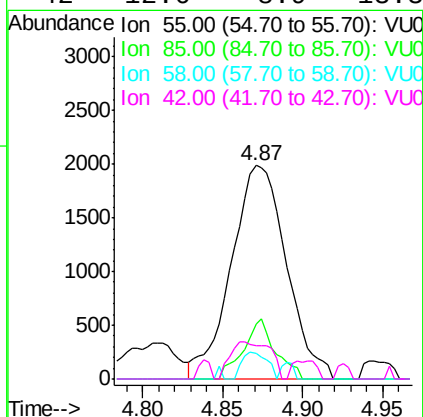
Manual Integrations
APPROVED

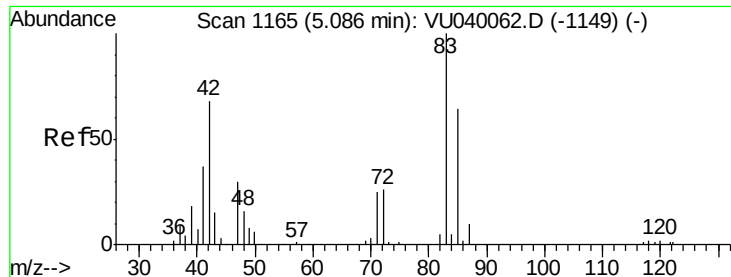
MMDadoda
9/17/2020 4:47:01 PM



#40
Methyl acrylate
Concen: 0.684 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	55	Resp:	4688
Ion	Ratio	Lower	Upper
55	100		
85	16.0	13.3	19.9
58	5.5	7.5	11.3#
42	12.6	8.9	13.3





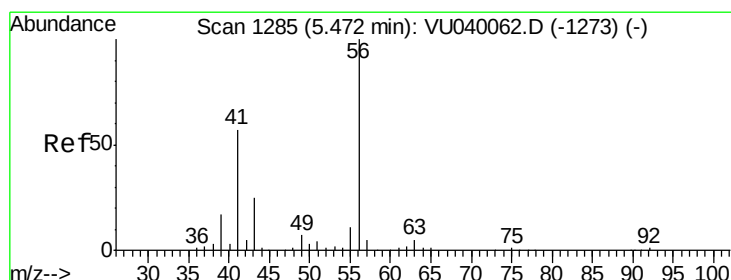
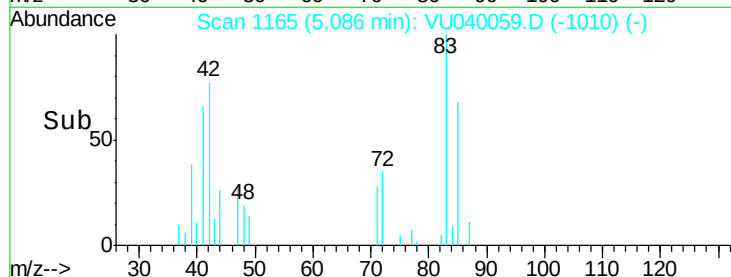
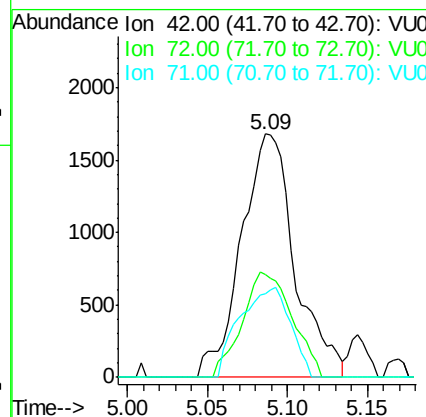
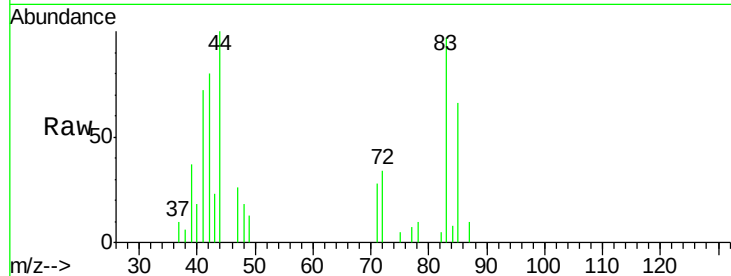
#41
Tetrahydrofuran
Concen: 1.444 ug/l
RT: 5.09 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	33.8	50.6
71	34.9	30.9	46.3

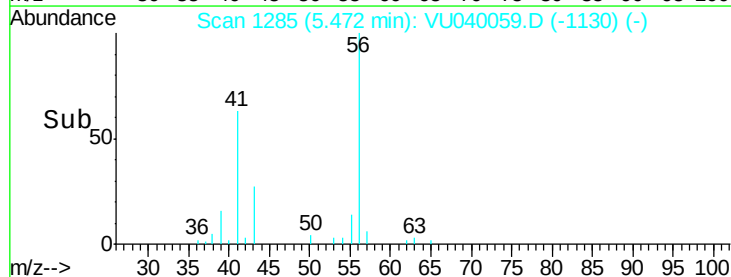
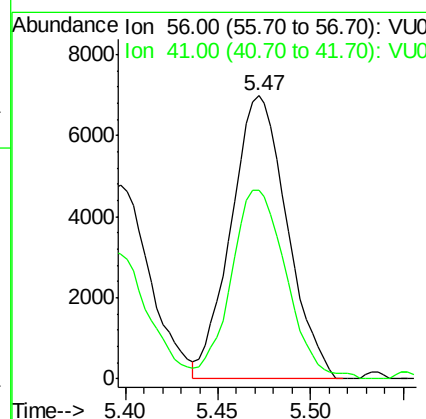
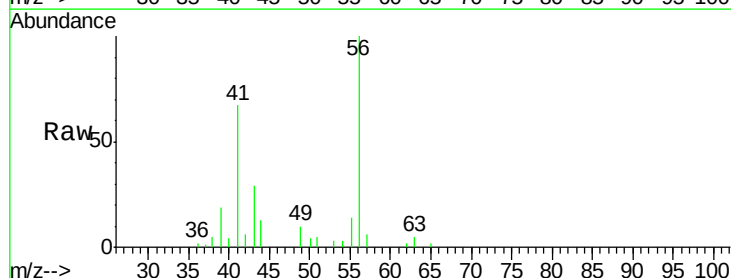
Manual Integrations
APPROVED

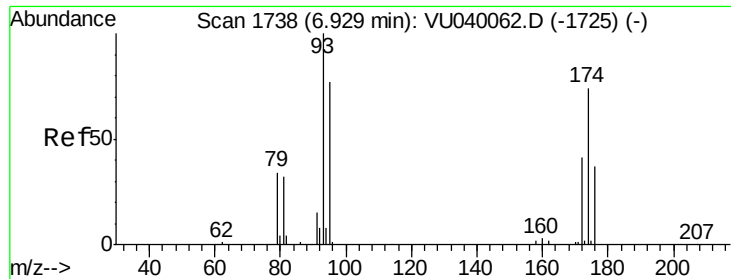
MMDadoda
9/17/2020 4:47:01 PM



#42
1-Chlorobutane
Concen: 0.692 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
56	100		
41	65.7	29.2	87.6





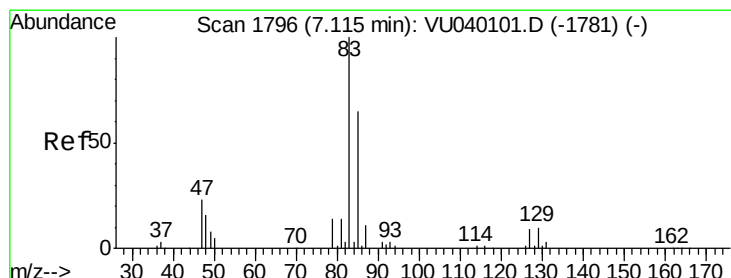
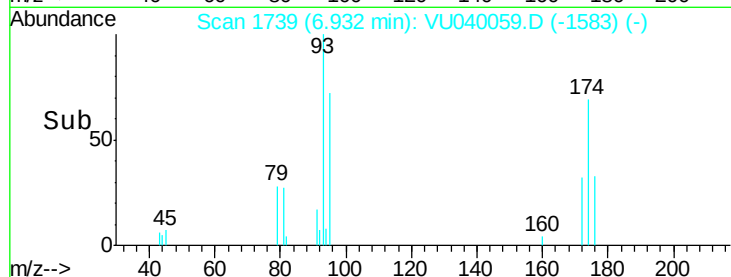
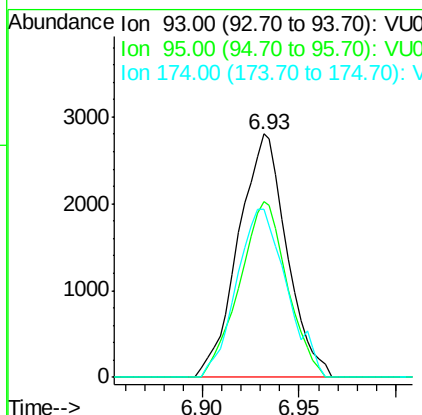
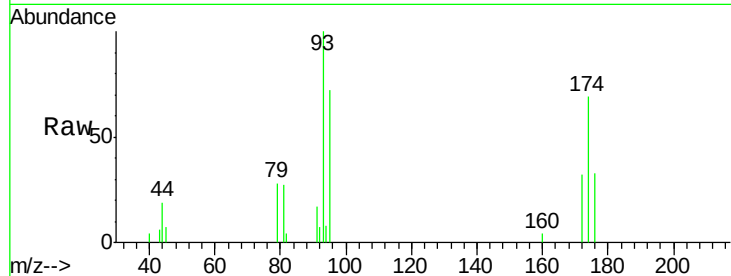
#43
Dibromomethane
Concen: 0.952 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	71.0	63.3	94.9
174	71.4	63.5	95.3

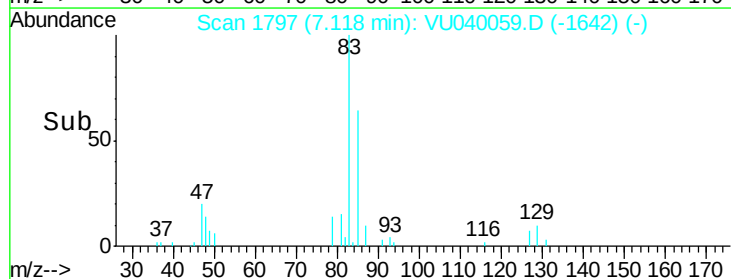
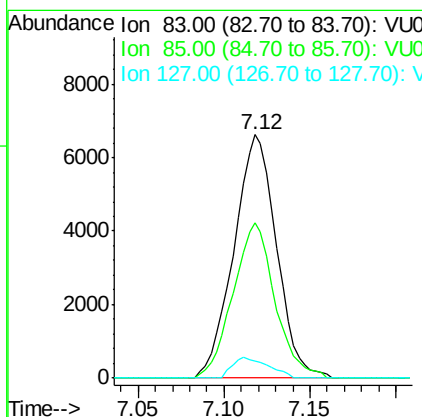
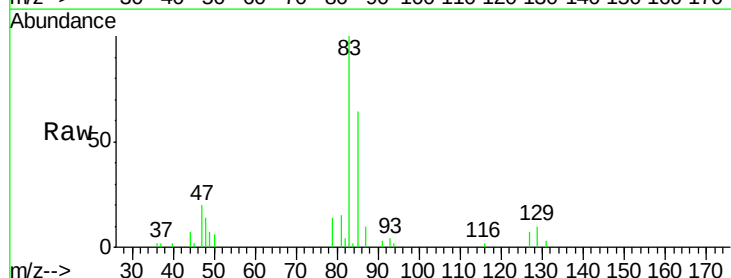
Manual Integrations
APPROVED

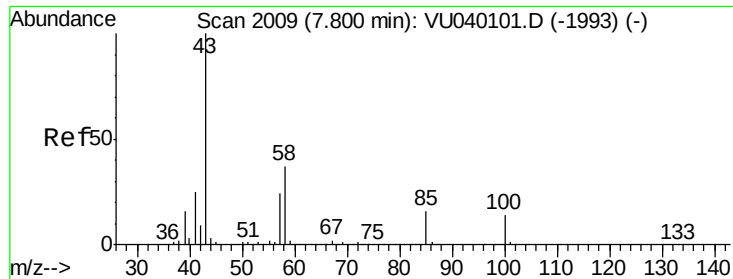
MMDadoda
9/17/2020 4:47:01 PM



#44
Bromodichloromethane
Concen: 0.969 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.1	78.1
127	7.1	6.6	9.8





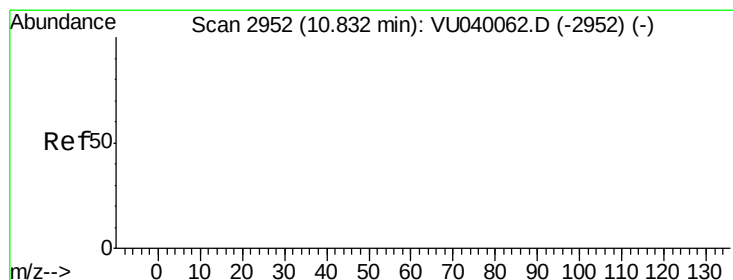
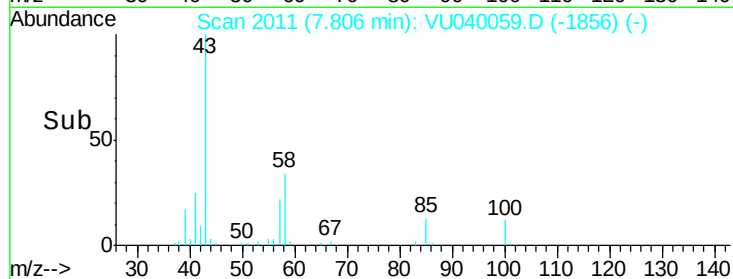
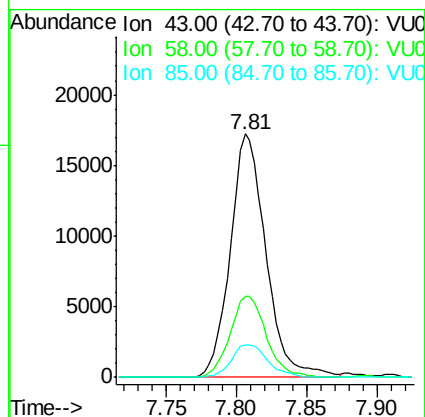
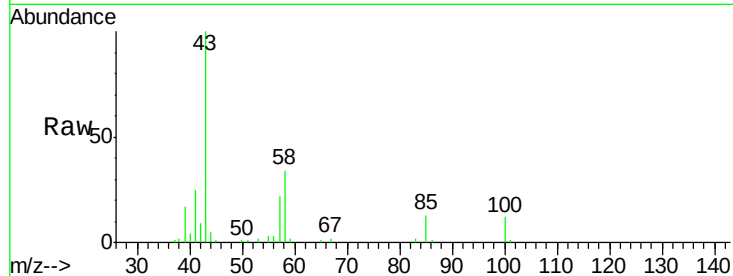
#45
4-Methyl-2-Pentanone
Concen: 3.994 ug/l
RT: 7.81 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.9	18.1	54.3
85	13.7	12.3	18.5

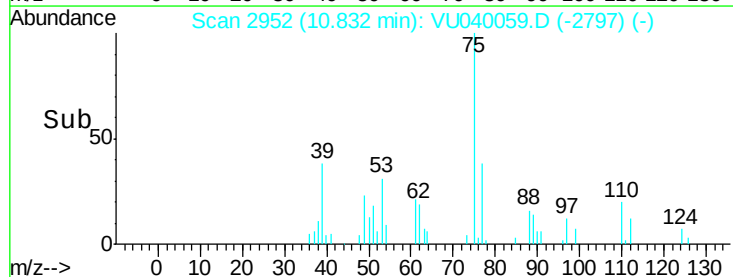
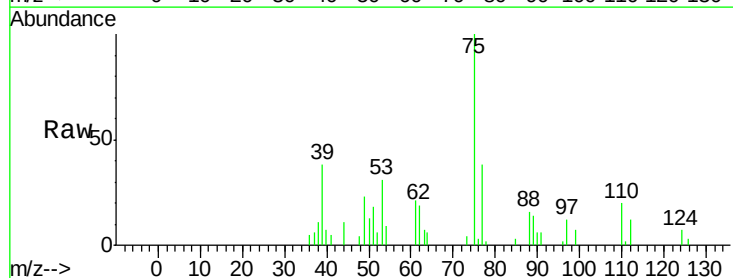
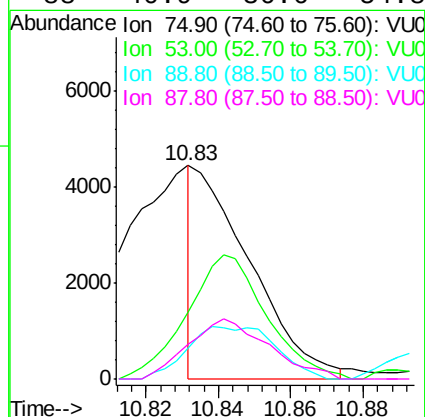
Manual Integrations
APPROVED

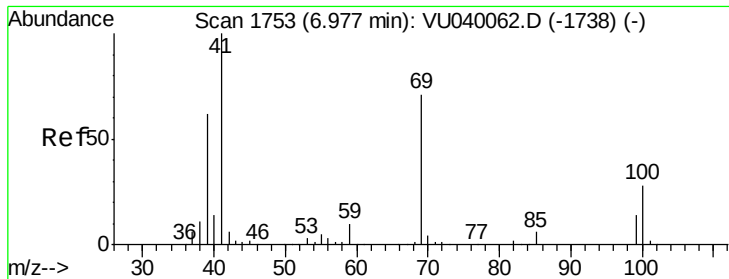
MMDadoda
9/17/2020 4:47:01 PM



#46
t-1,4-Dichloro-2-butene
Concen: 1.946 ug/l m
RT: 10.83 min Scan# 2952
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
53	83.7	75.0	112.6
89	39.4	41.6	62.4#
88	40.9	36.6	54.8





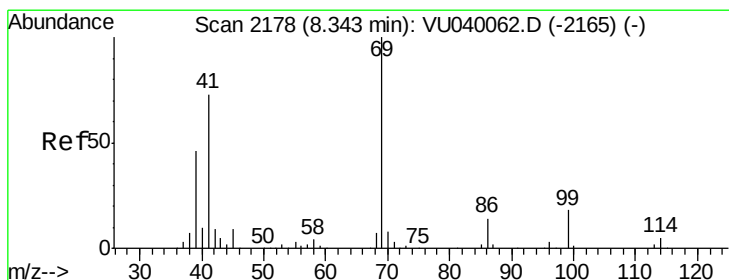
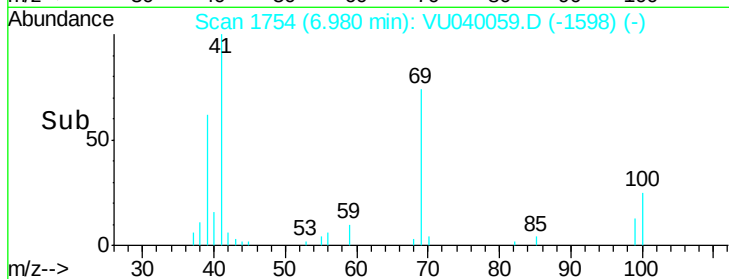
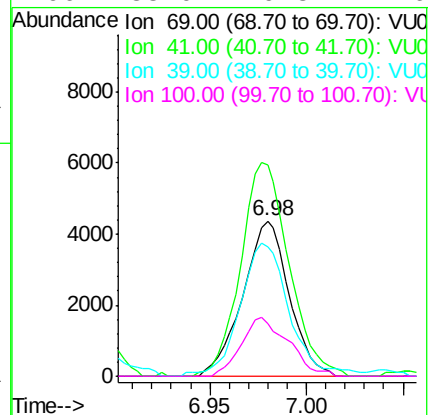
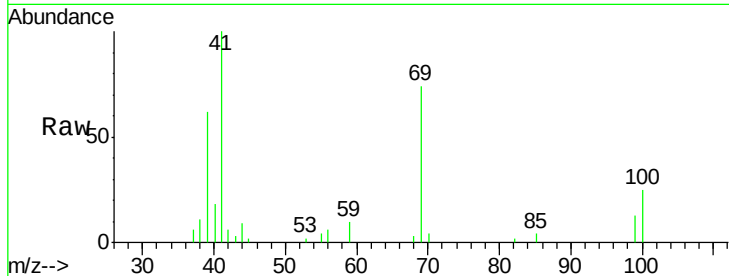
#47
Methvl methacrylate
Concen: 1.550 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	143.1	0.0	273.0
39	90.9	67.8	101.6
100	38.0	29.8	44.6

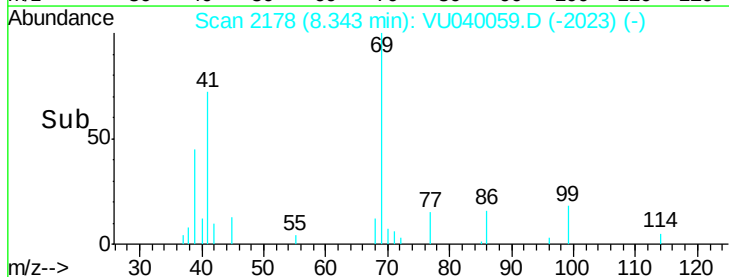
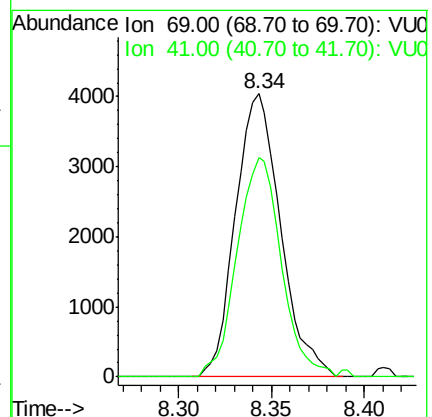
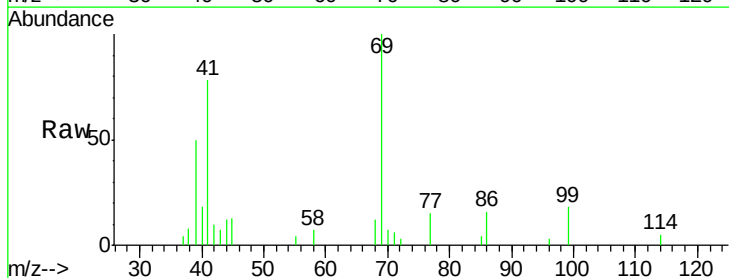
Manual Integrations
APPROVED

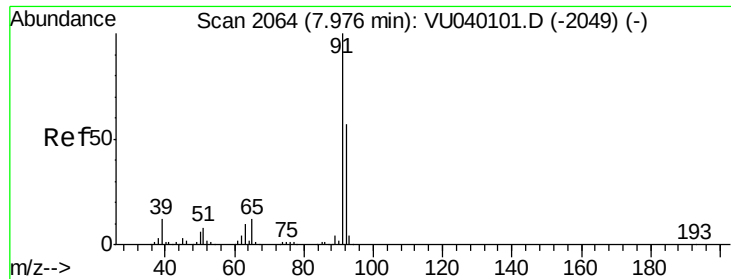
MMDadoda
9/17/2020 4:47:01 PM



#48
Ethyl methacrylate
Concen: 0.786 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.0	37.8	113.3





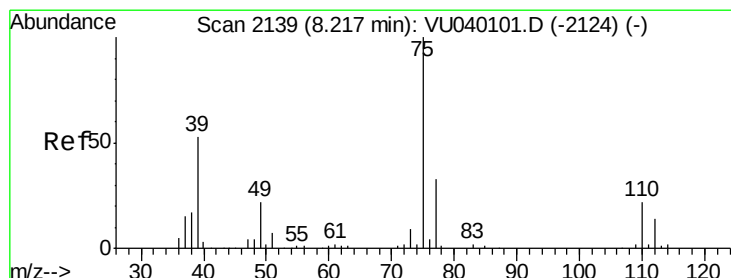
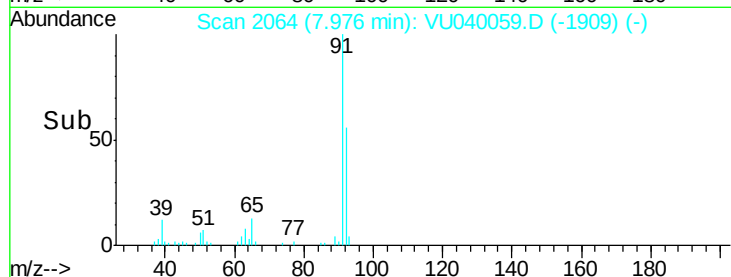
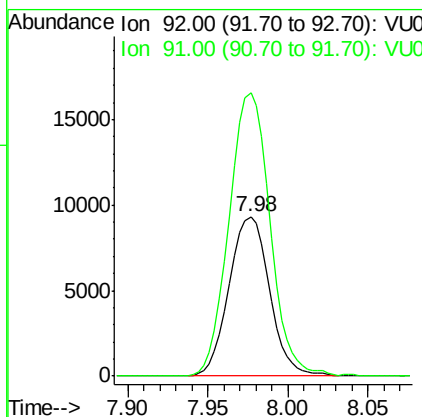
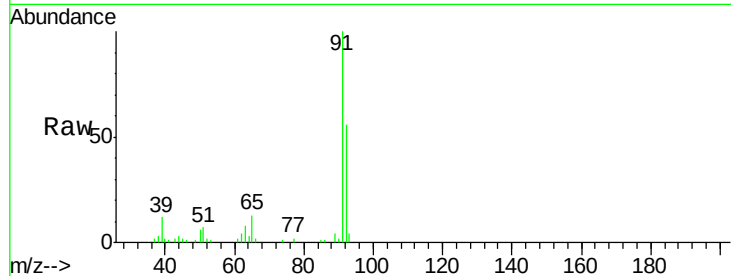
#49
Toluene
Concen: 0.798 ug/l
RT: 7.98 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	92	Resp	16109
Ion Ratio	Lower	Upper	
92	100		
91	179.5	138.6	207.8

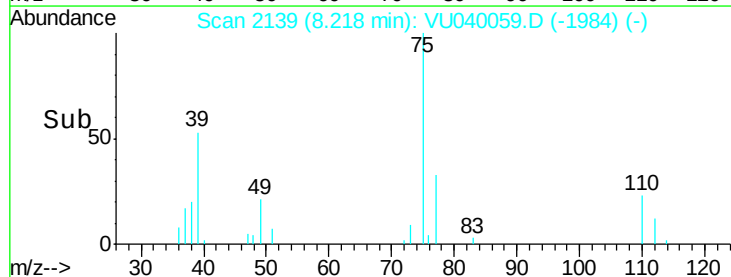
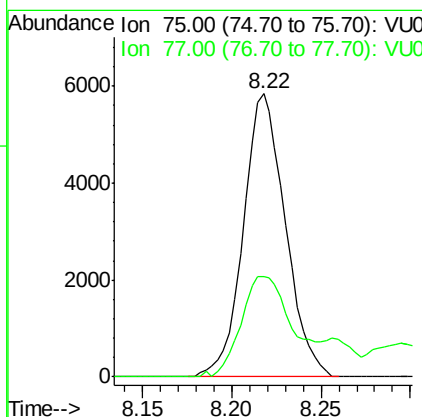
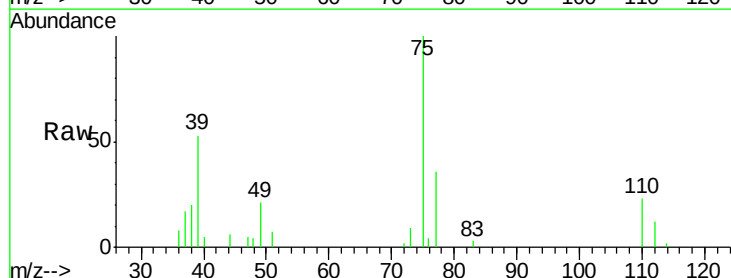
Manual Integrations
APPROVED

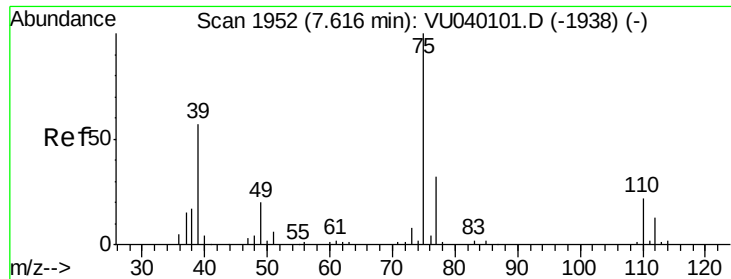
MMDadoda
9/17/2020 4:47:01 PM



#50
t-1,3-Dichloropropene
Concen: 0.910 ug/l
RT: 8.22 min Scan# 2139
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	75	Resp	9620
Ion Ratio	Lower	Upper	
75	100		
77	35.6	24.4	36.6





#51

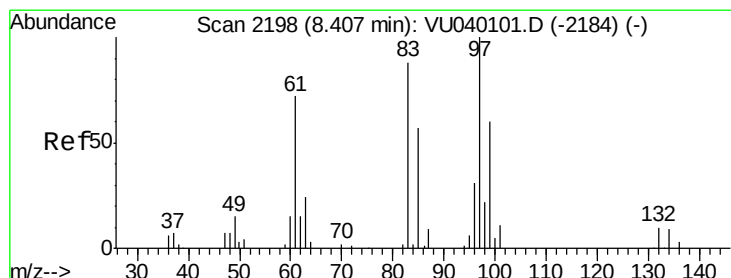
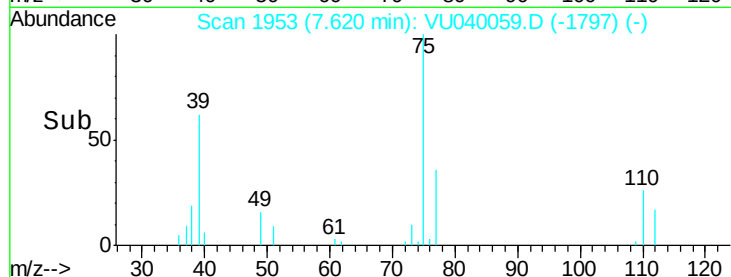
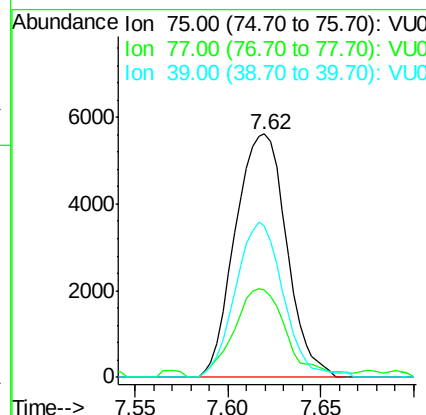
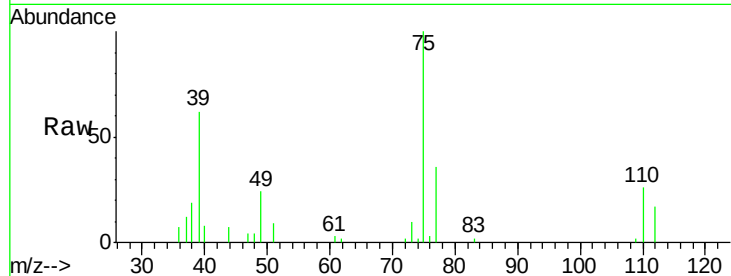
cis-1,3-Dichloropropene
Concen: 0.876 ug/l
RT: 7.62 min Scan# 1953
Delta R.T. 0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.1	24.6	37.0
39	62.0	46.2	69.4

Manual Integrations
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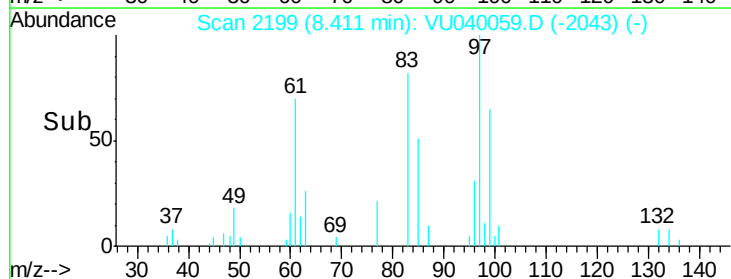
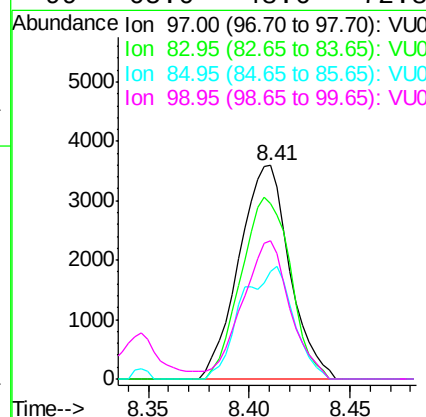
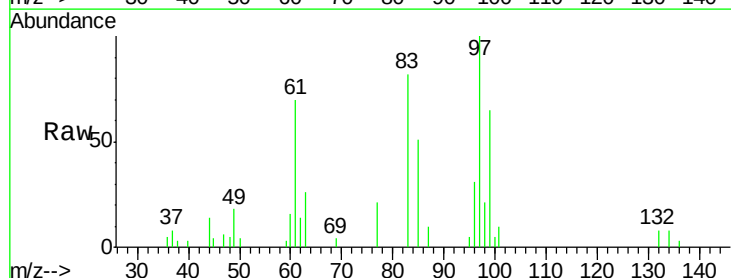
MMDadoda
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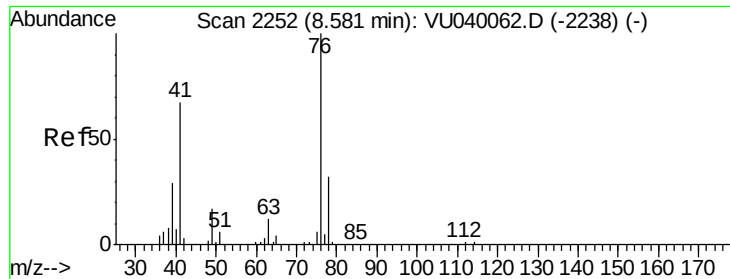


#52

1,1,2-Trichloroethane
Concen: 0.950 ug/l
RT: 8.41 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.7	103.1
85	50.5	46.7	70.1
99	65.0	48.6	72.8





#53

1,3-Dichloropropane

Concen: 0.889 ug/l

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 11245

Ion Ratio Lower Upper

76 100

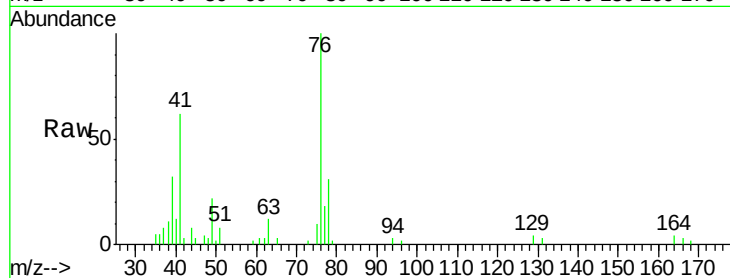
78 32.1 26.2 39.2

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VU040062.D (-2238) (-)

Ion 78.00 (77.70 to 78.70): VU040062.D (-2238) (-)

8.58

6000

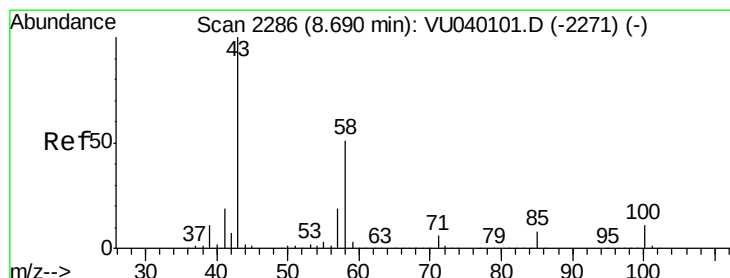
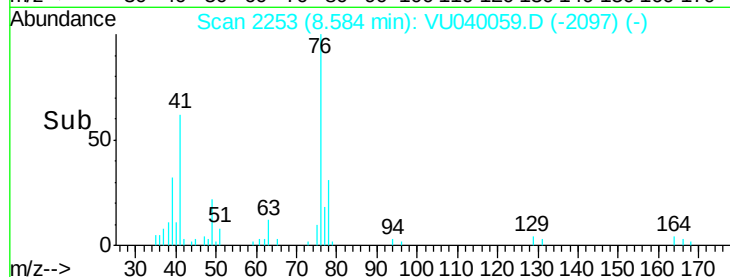
4000

2000

0

8.55 8.60 8.65

Time-->



#54

2-Hexanone

Concen: 3.765 ug/l

RT: 8.69 min Scan# 2287

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

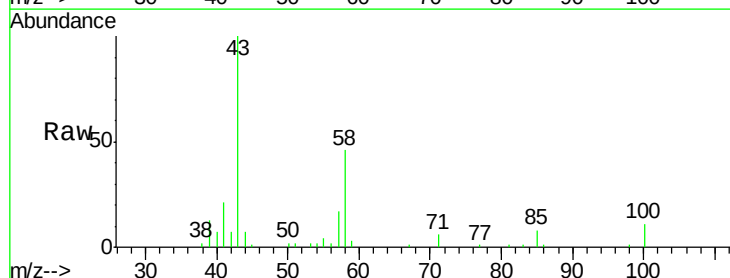
Tgt Ion: 43 Resp: 20604

Ion Ratio Lower Upper

43 100

58 46.7 29.6 69.6

57 16.6 0.0 37.8



Abundance Ion 43.00 (42.70 to 43.70): VU040101.D (-2271) (-)

Ion 58.00 (57.70 to 58.70): VU040101.D (-2271) (-)

Ion 57.00 (56.70 to 57.70): VU040101.D (-2271) (-)

8.69

15000

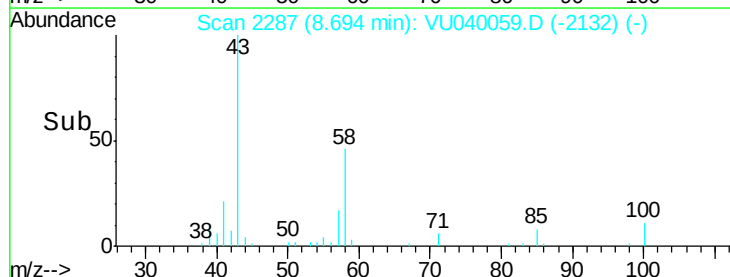
10000

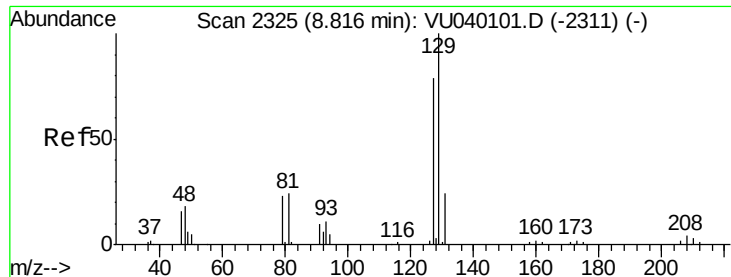
5000

0

8.65 8.70 8.75

Time-->





#55

Dibromochloromethane

Concen: 0.958 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 6887

Ion Ratio Lower Upper

129 100

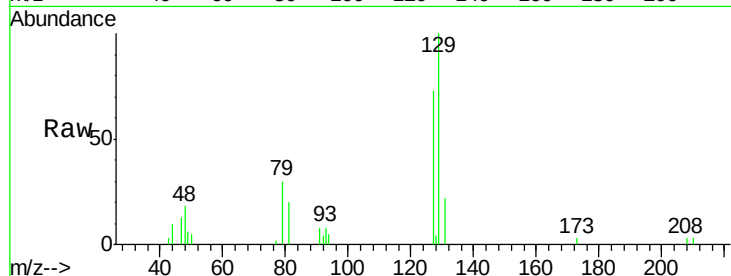
127 82.6 62.7 94.1

Manual Integrations

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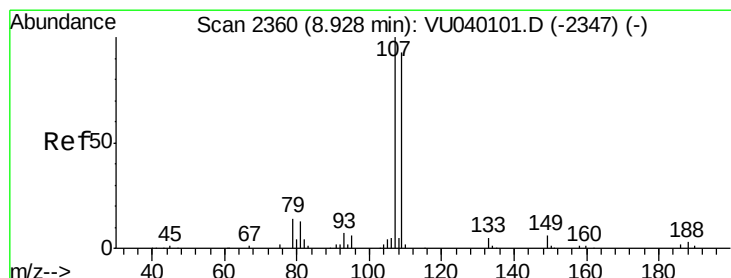
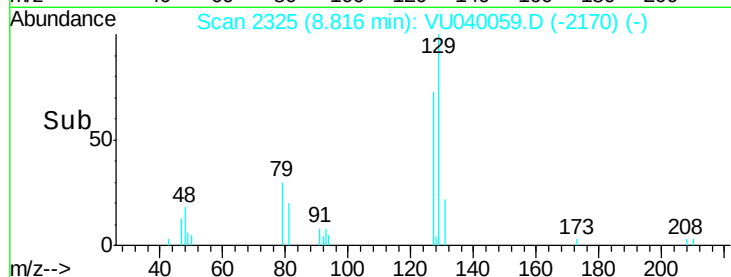
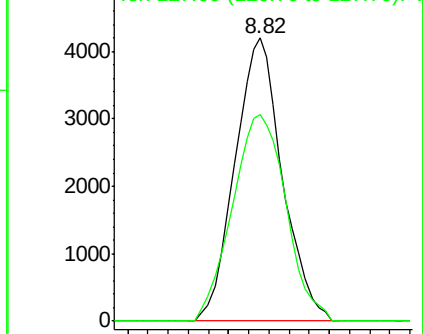
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.932 ug/l

RT: 8.93 min Scan# 2361

Delta R.T. 0.00 min

Lab File: VU040059.D

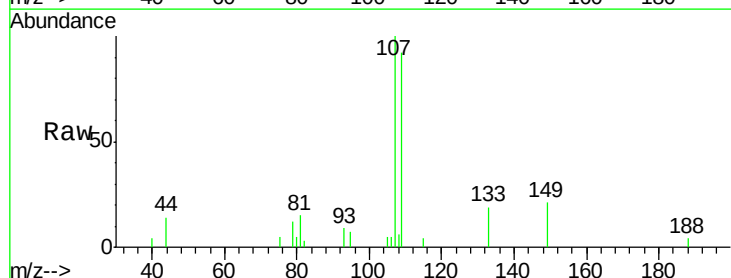
Acq: 09 Sep 2020 11:00

Tgt Ion:107 Resp: 5909

Ion Ratio Lower Upper

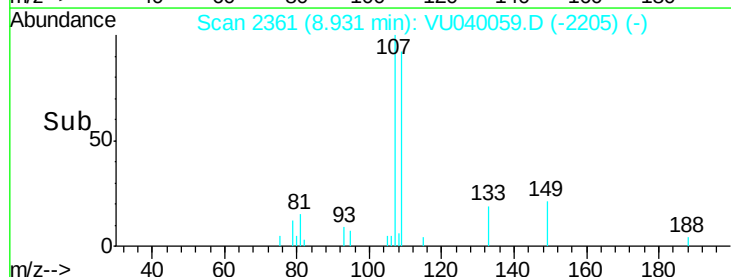
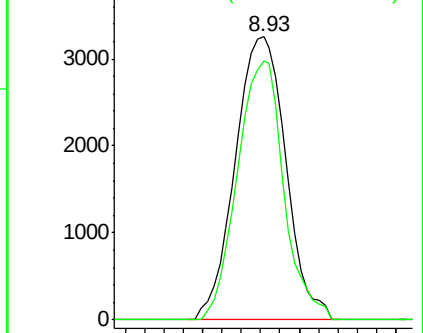
107 100

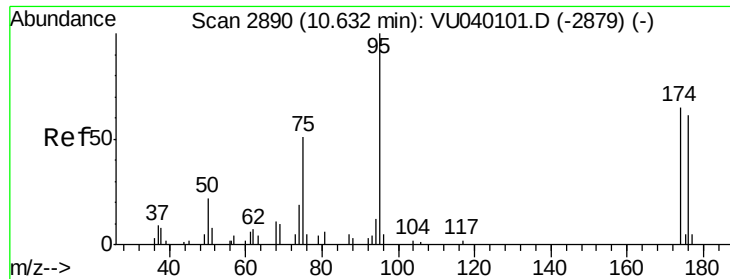
109 84.1 0.0 191.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





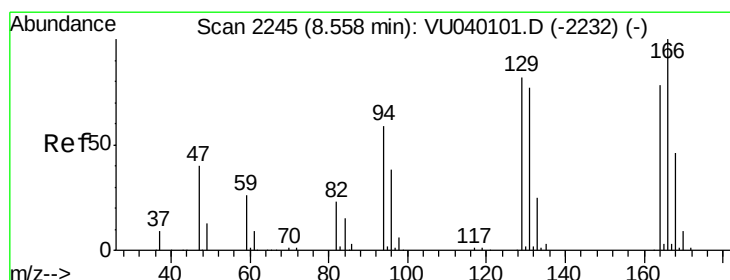
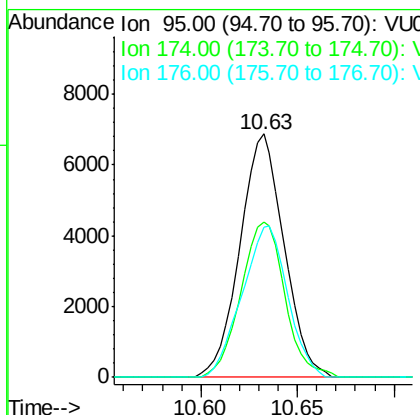
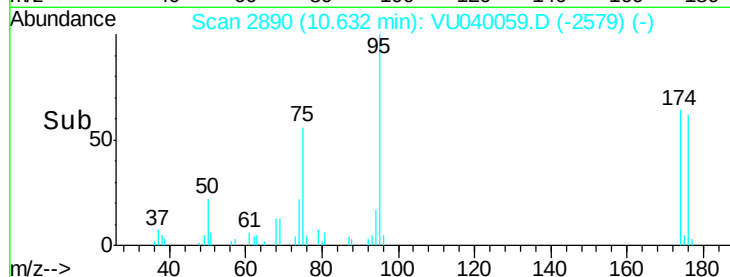
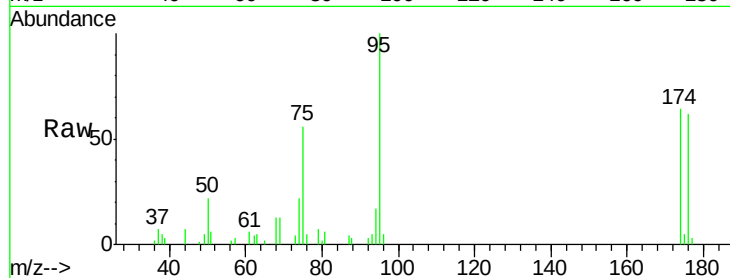
#57
4-Bromofluorobenzene
Concen: 0.994 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
95	100		
174	63.9	49.4	74.0
176	64.3	50.1	75.1

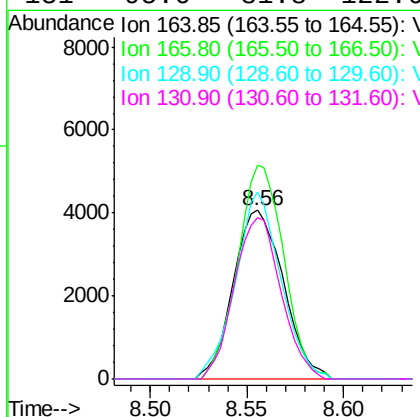
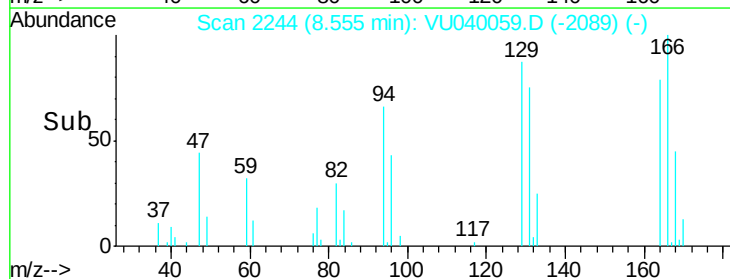
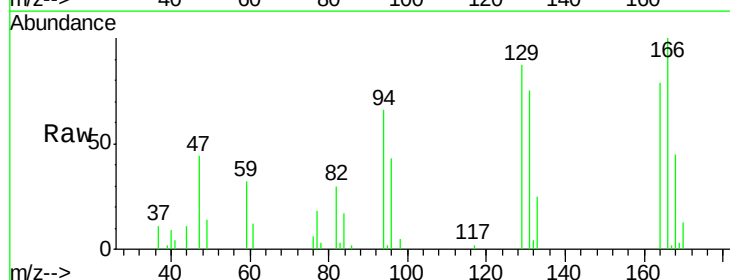
Manual Integrations
APPROVED

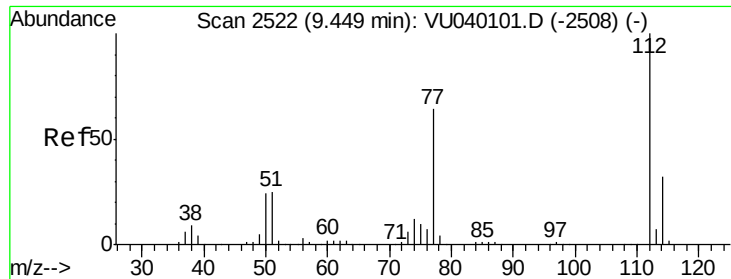
MMDadoda
9/17/2020 4:47:01 PM



#58
Tetrachloroethene
Concen: 1.040 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.3	151.9
129	110.6	84.8	127.2
131	95.6	81.8	122.6





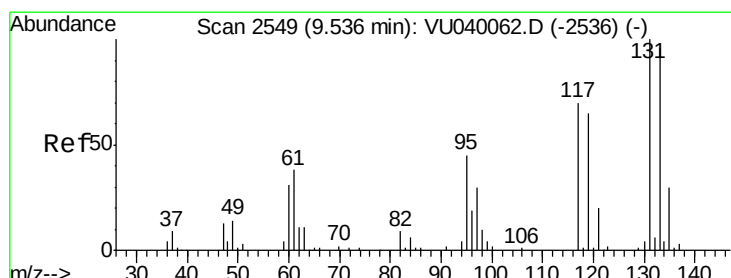
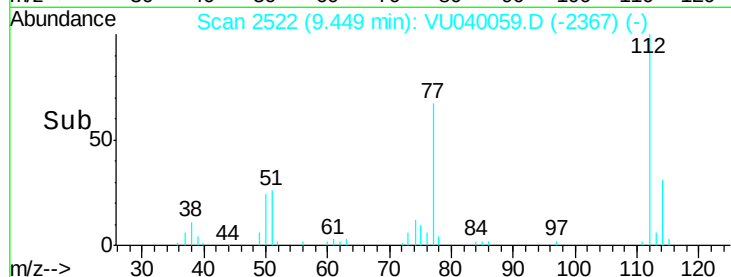
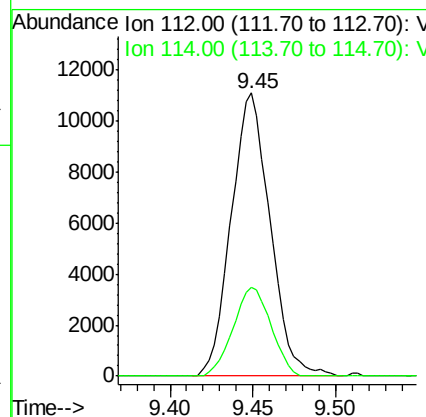
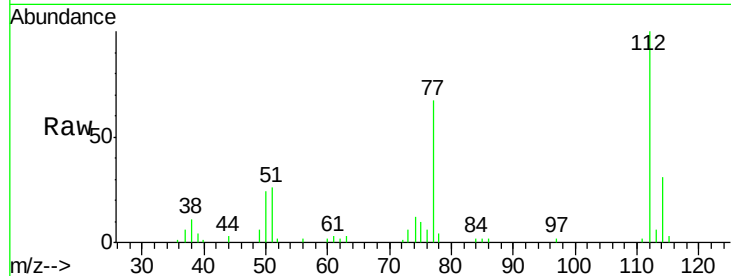
#59
Chlorobenzene
Concen: 0.858 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 18116
Ion Ratio Lower Upper
112 100
114 31.4 24.8 37.2

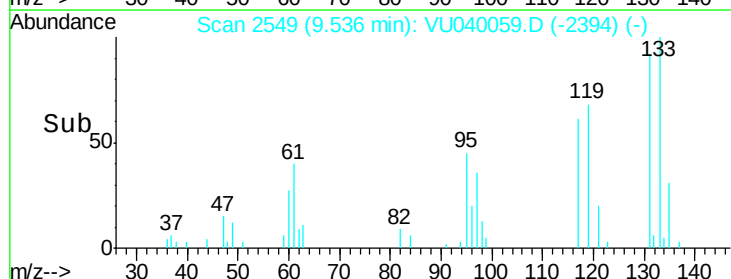
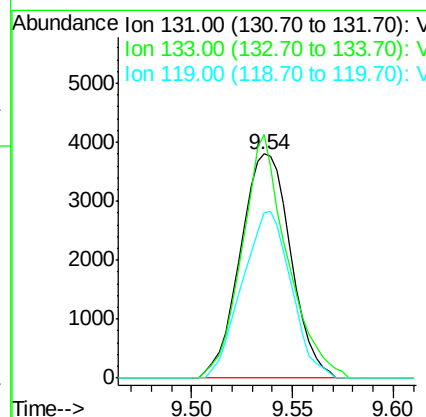
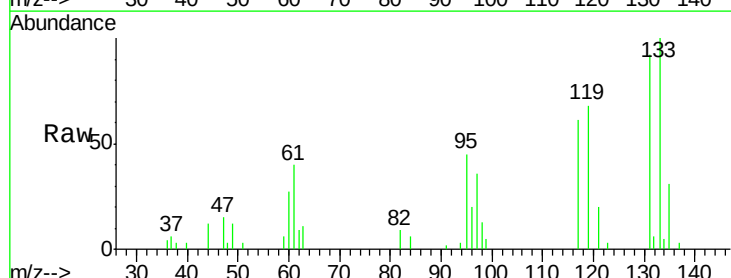
Manual Integrations
APPROVED

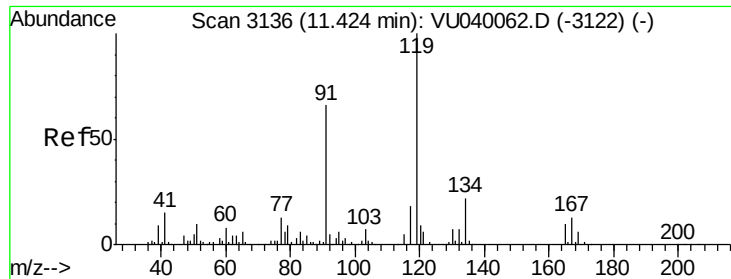
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.922 ug/l
RT: 9.54 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion:131 Resp: 6656
Ion Ratio Lower Upper
131 100
133 97.1 75.4 113.2
119 72.3 51.5 77.3





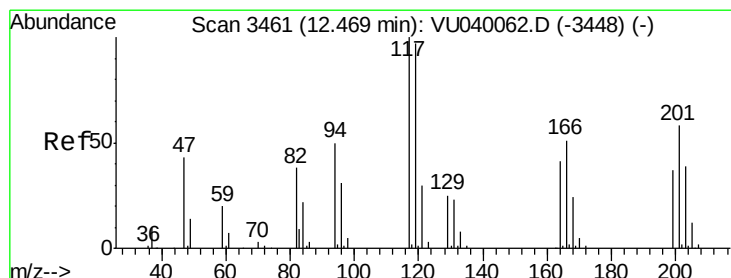
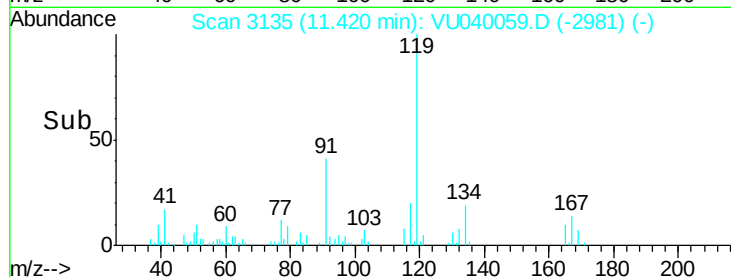
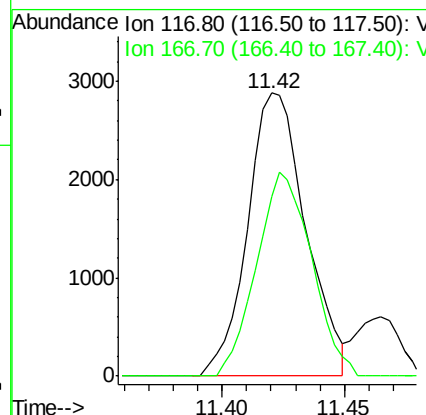
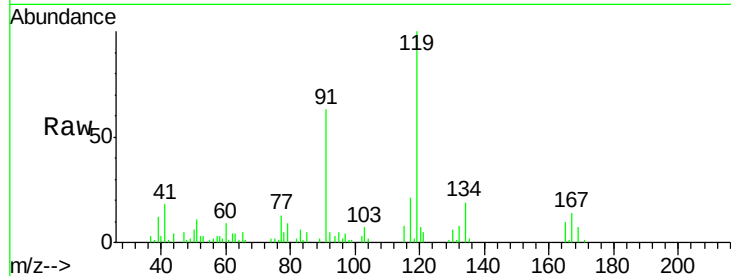
#61
 Pentachloroethane
 Concen: 0.787 ug/l
 RT: 11.42 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:117 Resp: 4755
 Ion Ratio Lower Upper
 117 100
 167 68.2 54.5 81.7

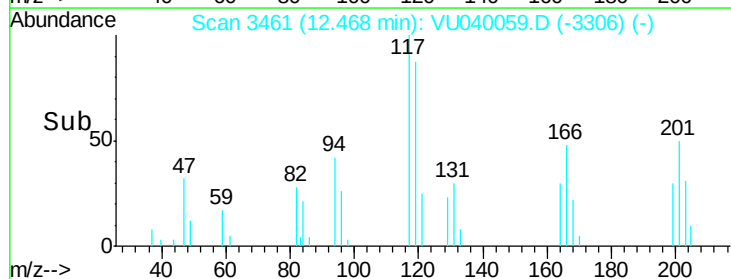
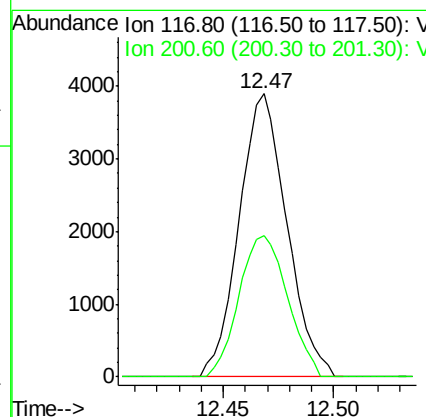
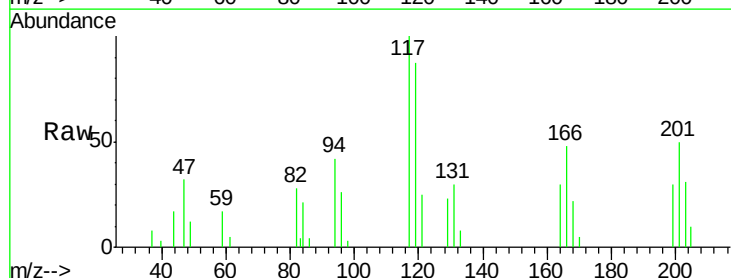
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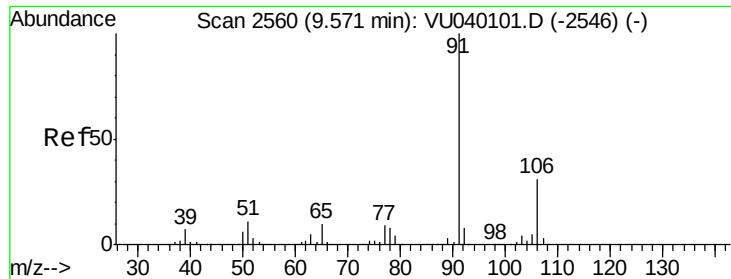
MMDadoda
 9/17/2020 4:47:01 PM



#62
 Hexachloroethane
 Concen: 1.005 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. -0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Tgt Ion:117 Resp: 5854
 Ion Ratio Lower Upper
 117 100
 201 50.7 47.0 70.4





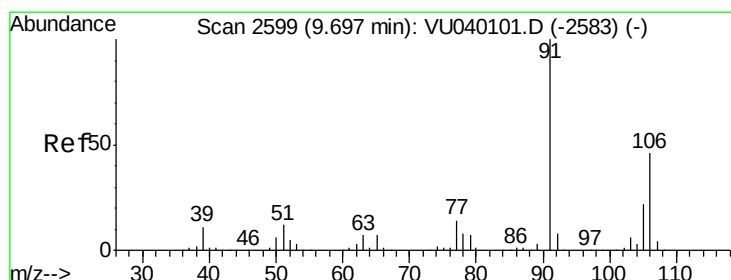
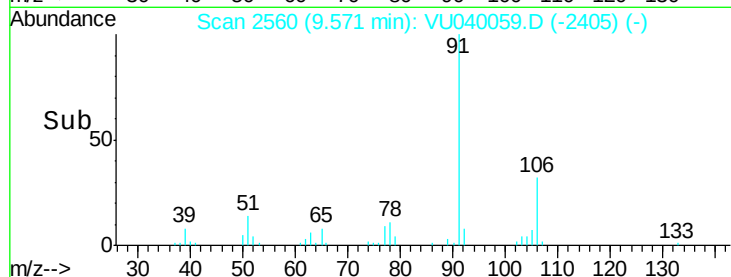
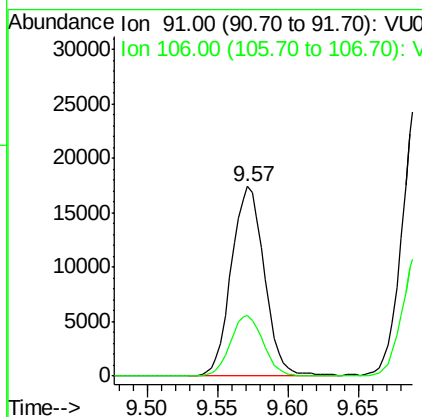
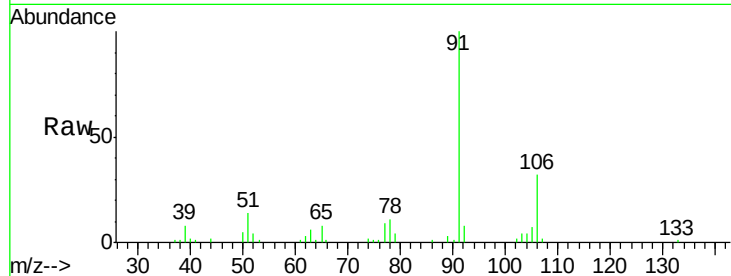
#63
Ethyl Benzene
Concen: 0.765 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 28732
Ion Ratio Lower Upper
91 100
106 31.7 23.8 35.8

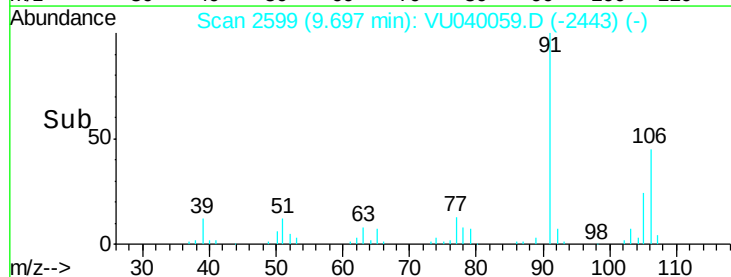
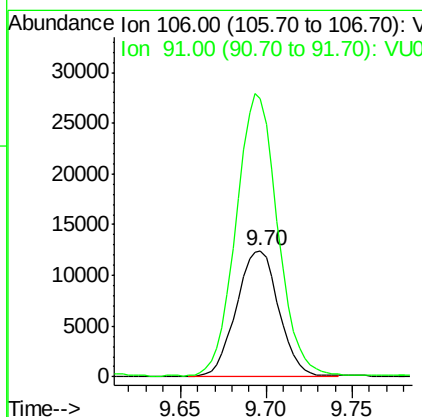
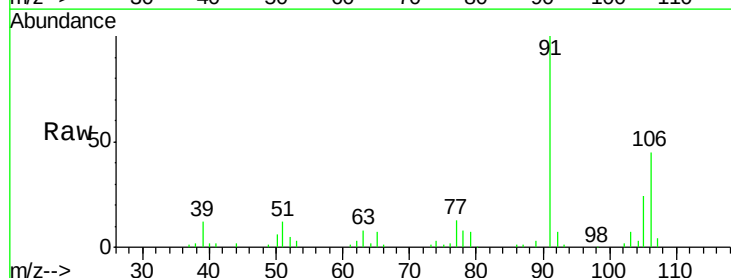
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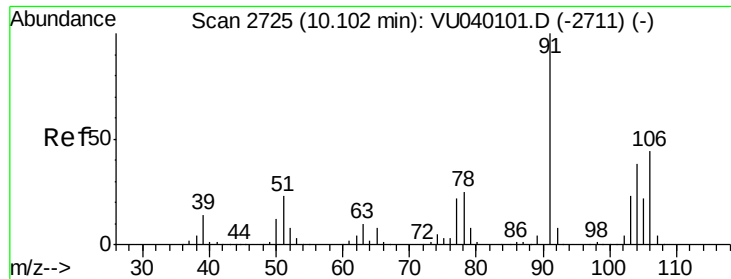
MMDadoda
9/17/2020 4:47:01 PM



#64
m/p-Xylenes
Concen: 1.465 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion: 106 Resp: 21392
Ion Ratio Lower Upper
106 100
91 217.5 171.4 257.2





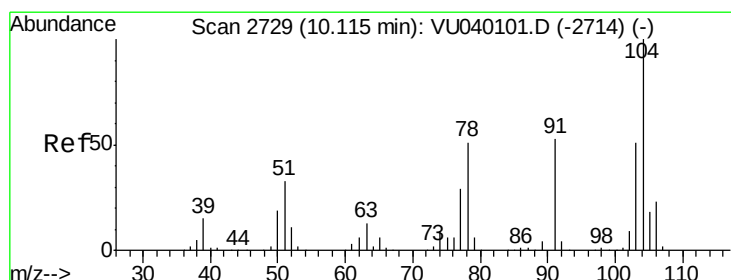
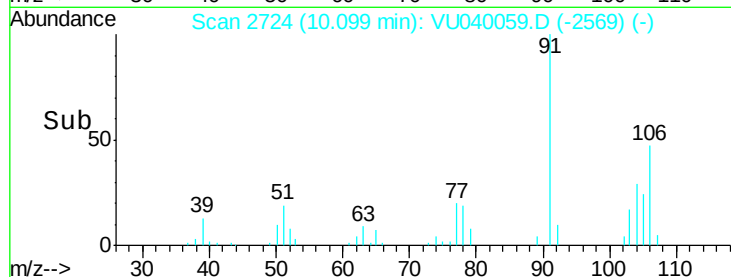
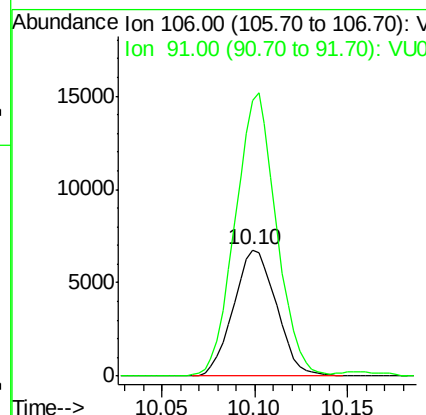
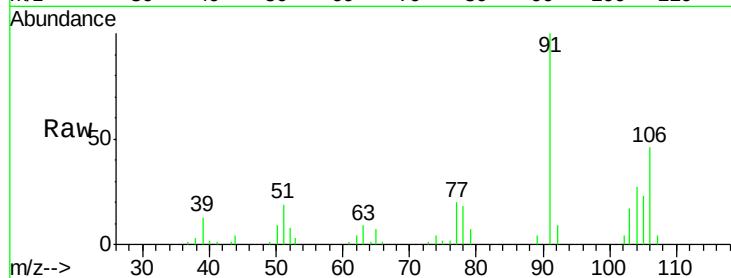
#65
o-Xylene
Concen: 0.785 ug/l
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 10904
Ion Ratio Lower Upper
106 100
91 214.6 114.2 342.6

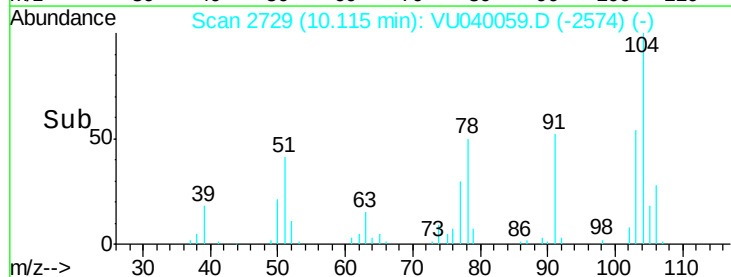
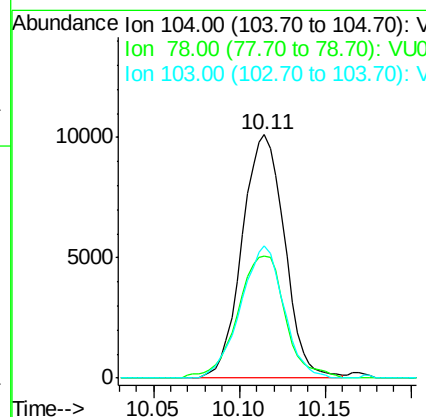
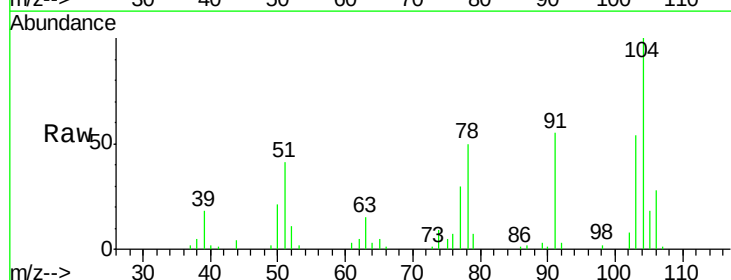
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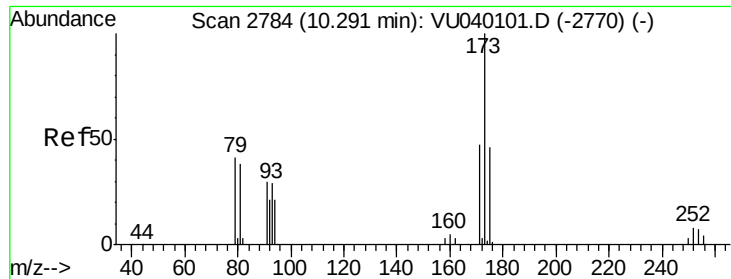
MMDadoda
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#66
Styrene
Concen: 0.728 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion:104 Resp: 17412
Ion Ratio Lower Upper
104 100
78 56.0 43.9 65.9
103 55.0 43.7 65.5





#67

Bromoform

Concen: 0.895 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

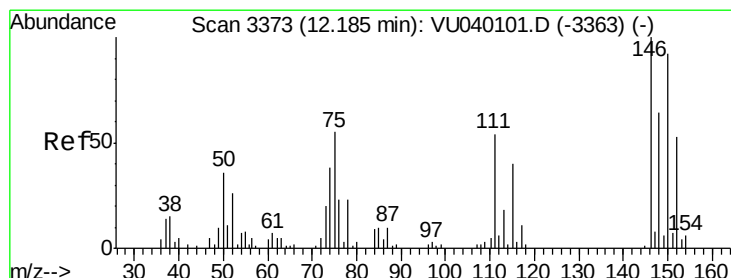
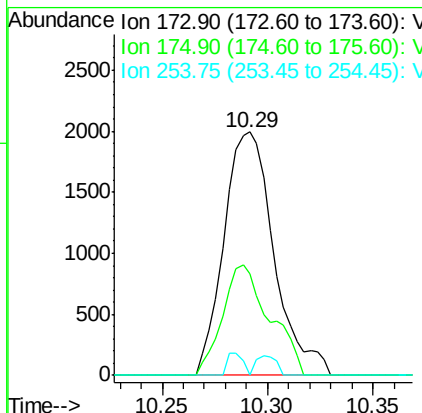
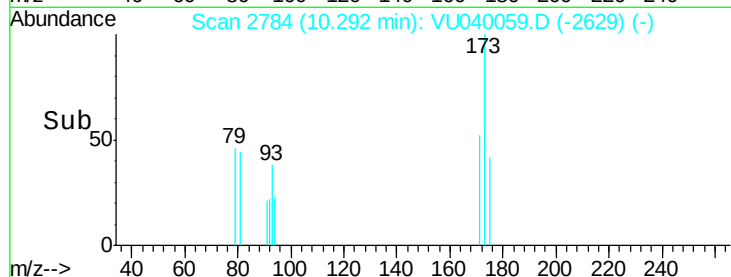
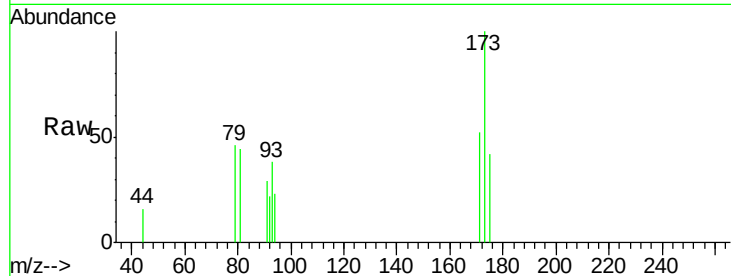
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.9	38.0	57.0
254	2.8	5.8	8.8#

Manual Integrations
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#68

1,2-Dichlorobenzene-d4

Concen: 0.962 ug/l

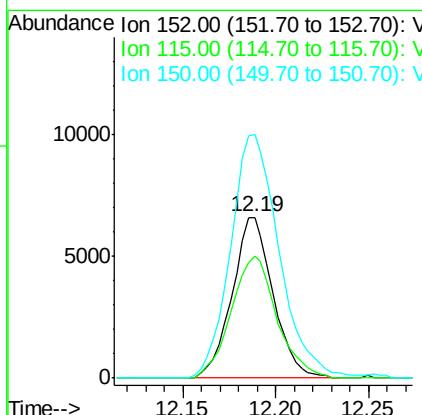
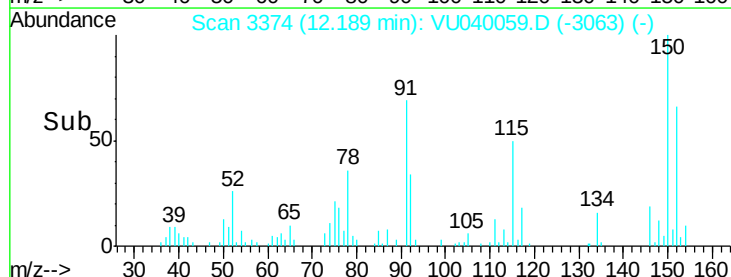
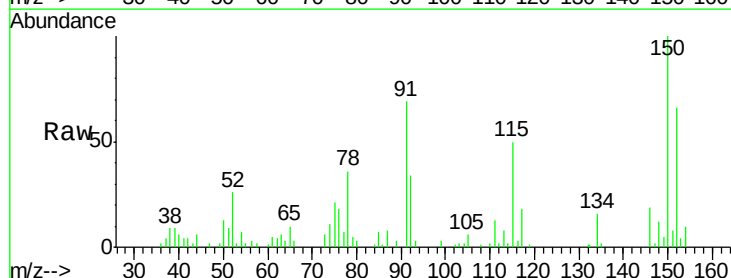
RT: 12.19 min Scan# 3374

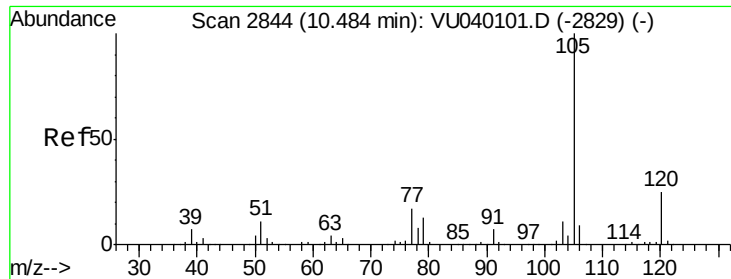
Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	84.6	0.0	309.0
150	180.5	0.0	658.2





#69

Isopropylbenzene

Concen: 0.773 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 28790

Ion Ratio Lower Upper

105 100

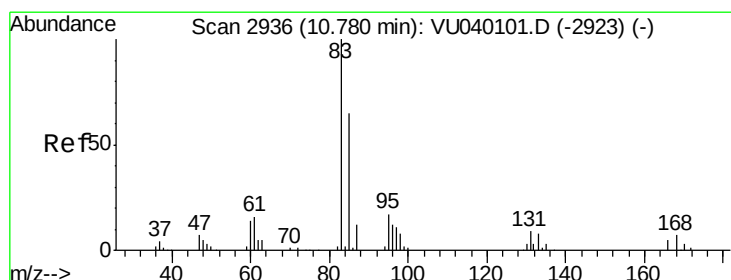
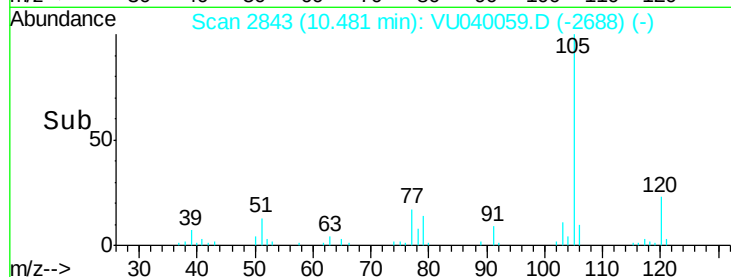
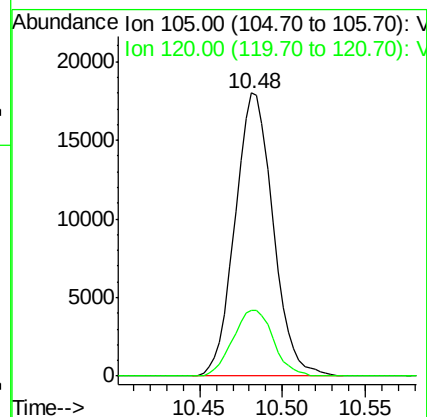
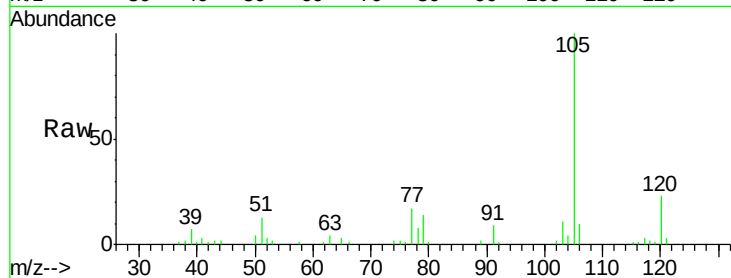
120 24.8 12.4 37.4

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.785 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

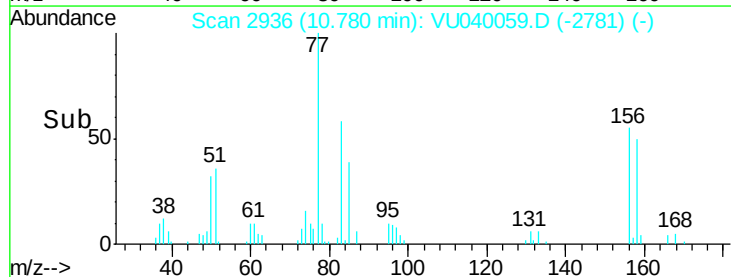
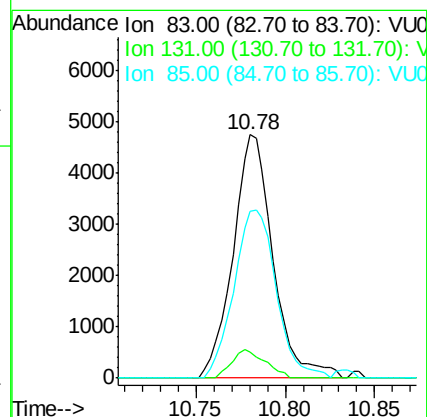
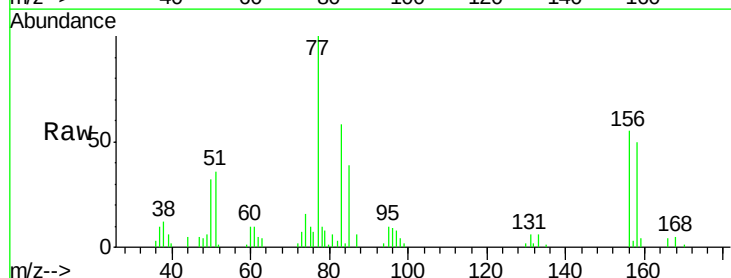
Tgt Ion: 83 Resp: 7400

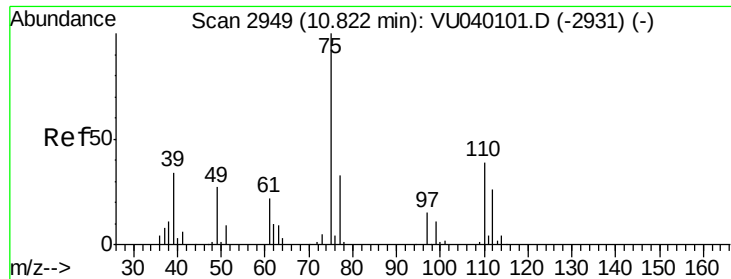
Ion Ratio Lower Upper

83 100

131 9.8 7.5 11.3

85 72.9 49.7 74.5





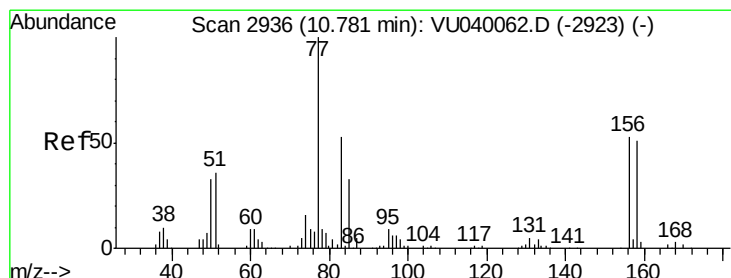
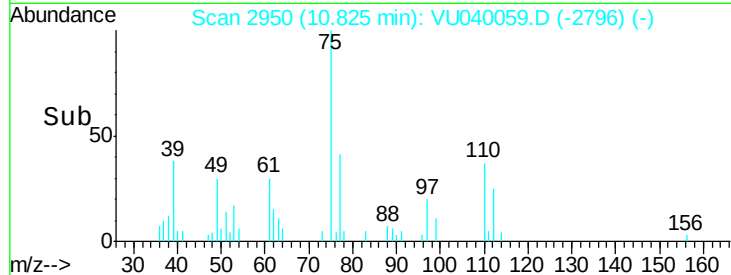
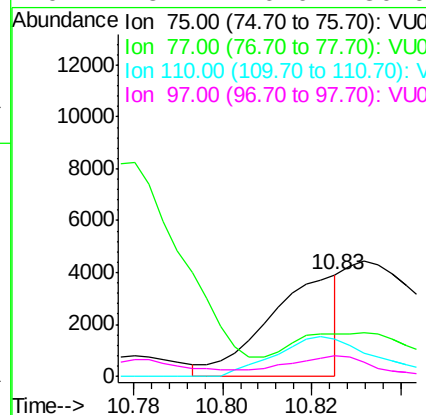
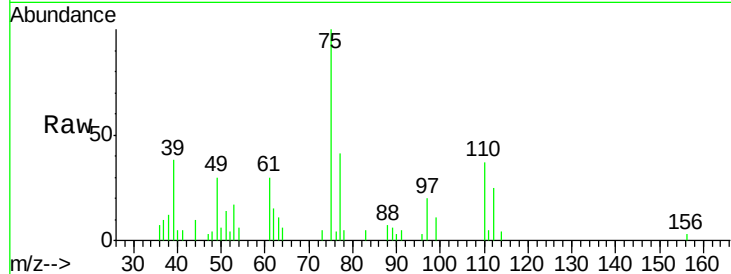
#71
1,2,3-Trichloropropane
Concen: 0.617 ug/l m
RT: 10.83 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	75	Resp:	4314
Ion	Ratio	Lower	Upper
75	100		
77	82.3	0.0	111.4
110	53.9	0.0	70.8
97	25.2	0.0	36.0

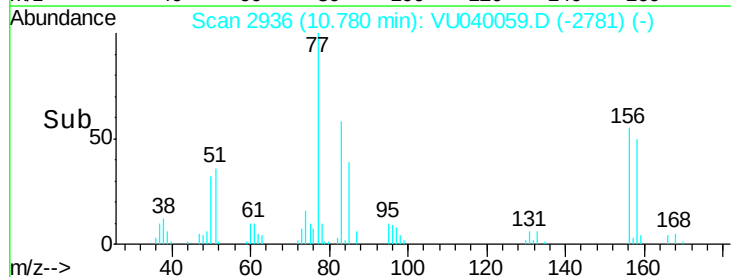
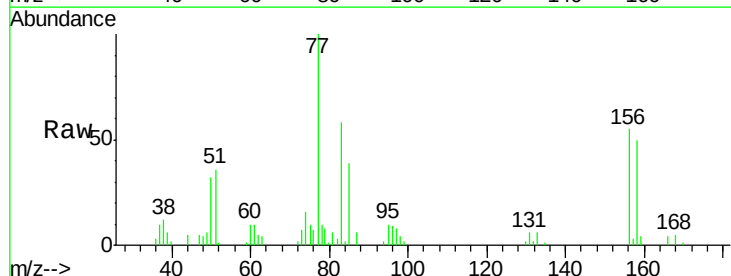
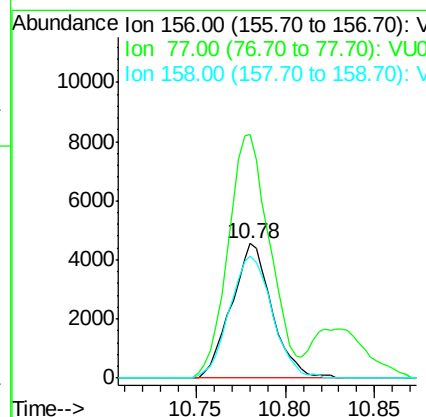
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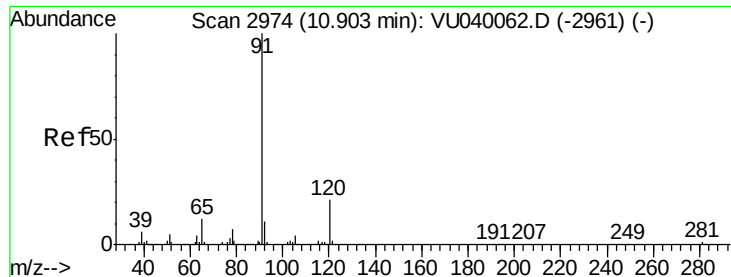
MMDadoda
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#72
Bromobenzene
Concen: 0.852 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion:	156	Resp:	7234
Ion	Ratio	Lower	Upper
156	100		
77	186.1	0.0	383.6
158	95.0	0.0	195.0





#73

n-propylbenzene

Concen: 0.760 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:120 Resp: 7946

Ion Ratio Lower Upper

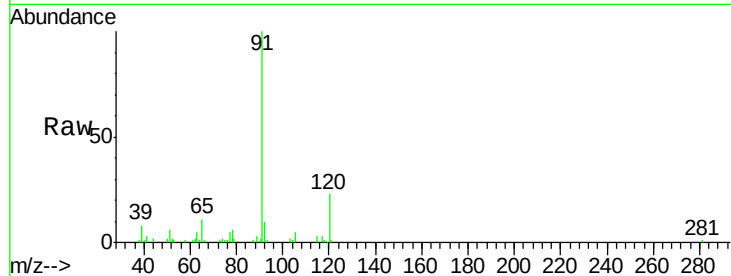
120 100

91 462.9 380.4 570.6

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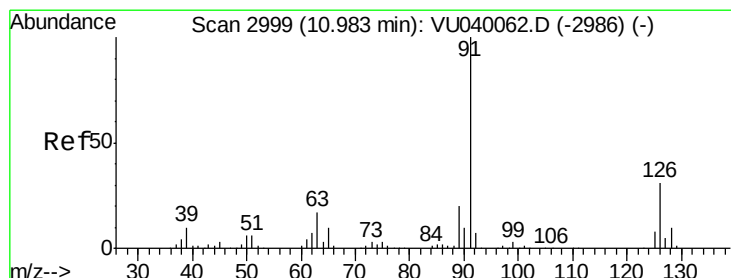
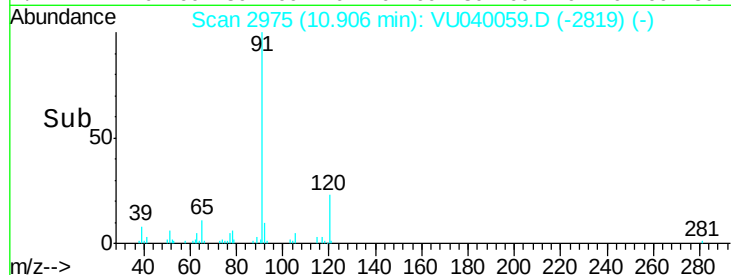
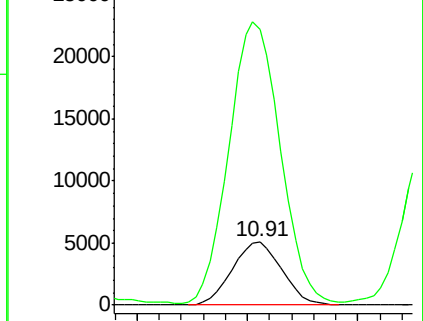
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.797 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. 0.00 min

Lab File: VU040059.D

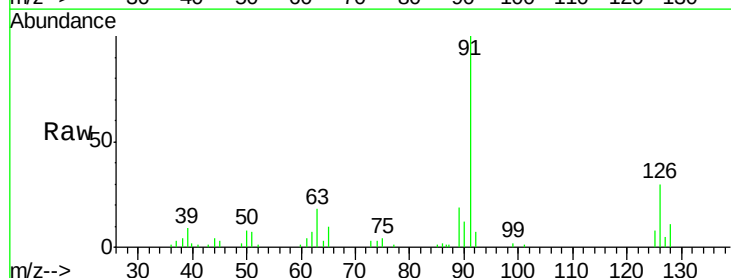
Acq: 09 Sep 2020 11:00

Tgt Ion:126 Resp: 7077

Ion Ratio Lower Upper

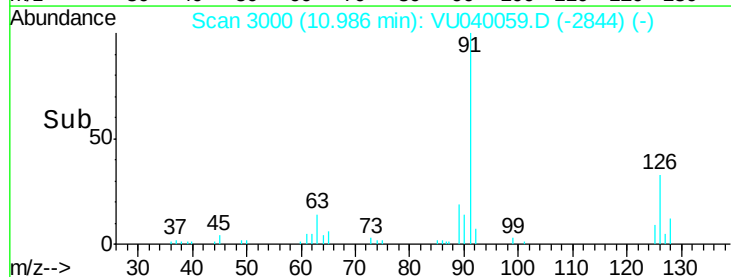
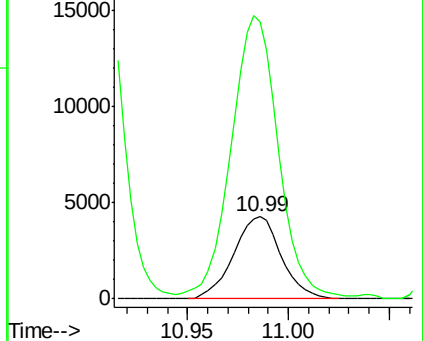
126 100

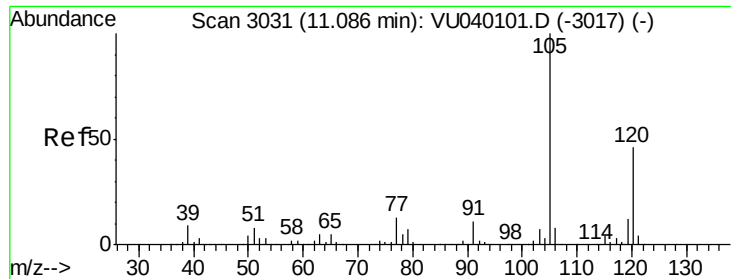
91 333.1 0.0 649.6



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: 0.752 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 24257

Ion Ratio Lower Upper

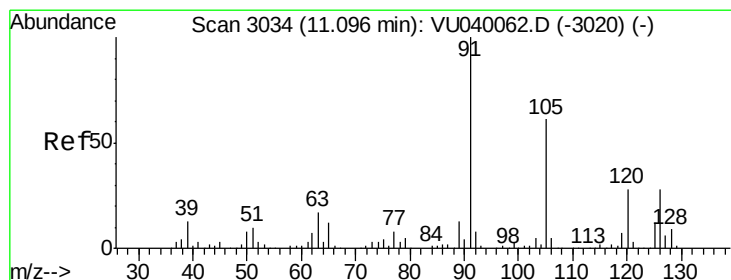
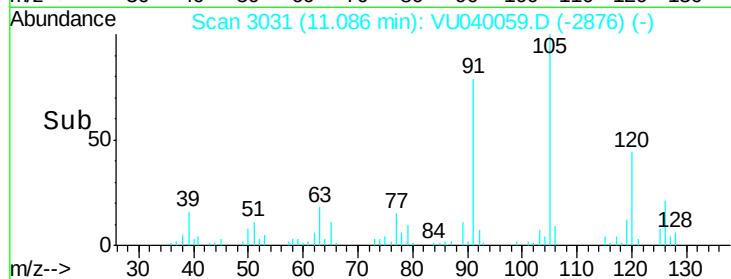
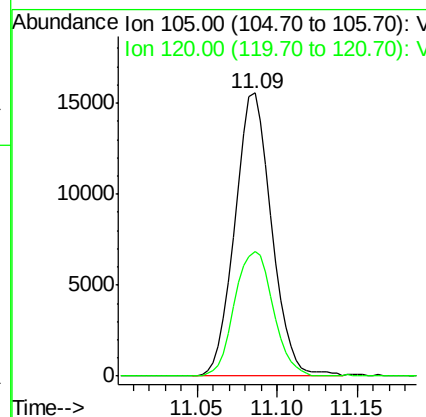
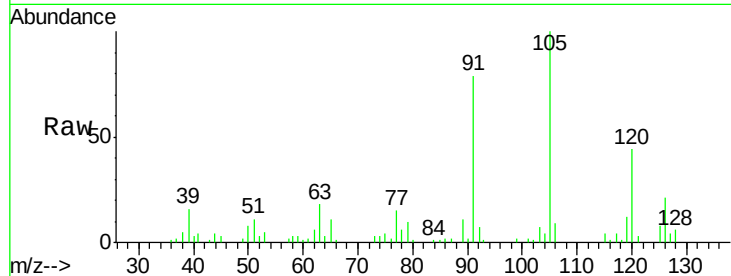
105 100

120 46.3 36.6 55.0

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#76

4-Chlorotoluene

Concen: 0.858 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU040059.D

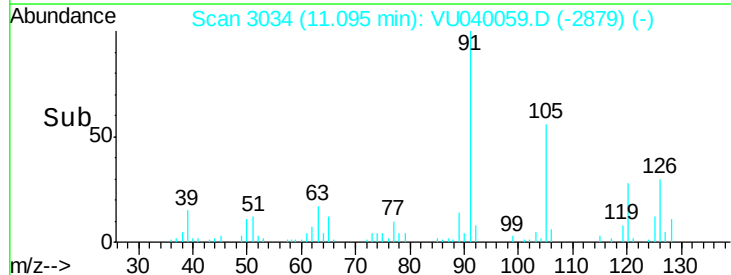
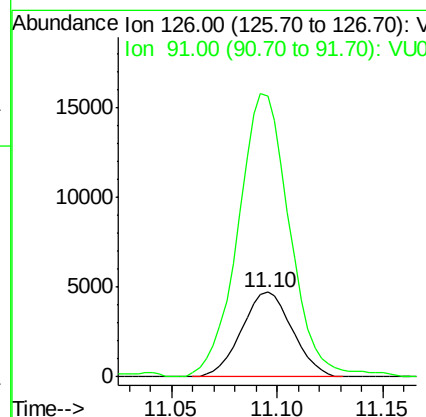
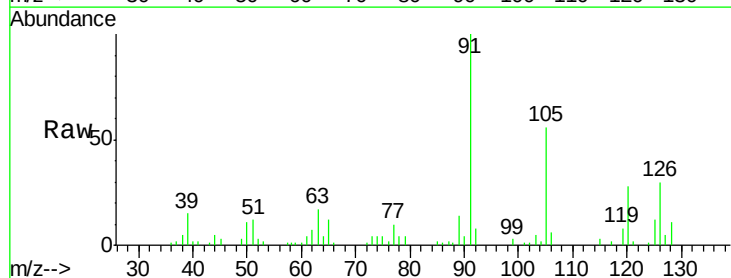
Acq: 09 Sep 2020 11:00

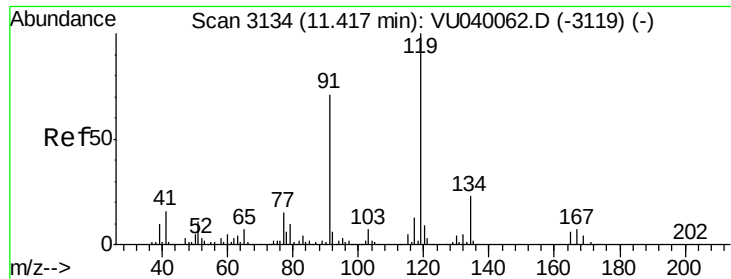
Tgt Ion:126 Resp: 7915

Ion Ratio Lower Upper

126 100

91 340.7 0.0 735.6





#77

tert-Butylbenzene

Concen: 0.744 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

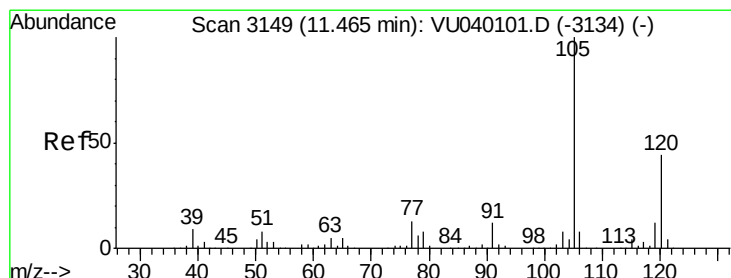
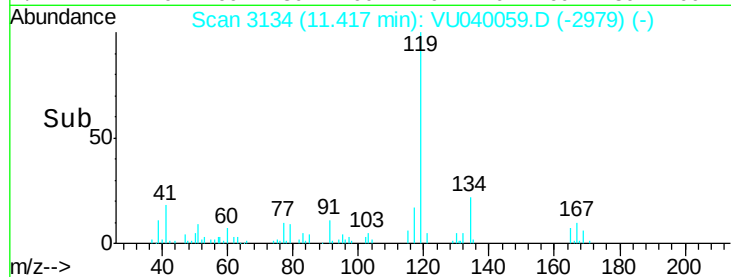
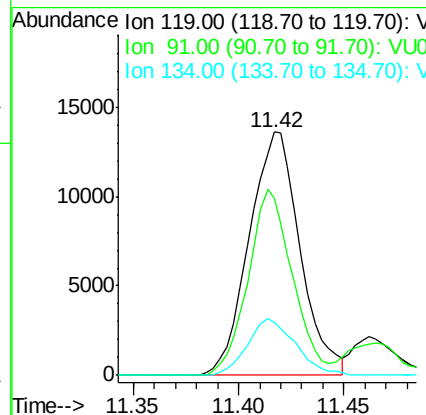
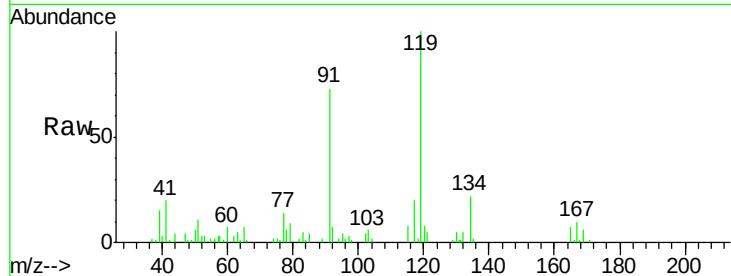
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	22867
Ion	Ratio	Lower	Upper
119	100		
91	66.4	34.2	102.5
134	21.8	18.2	27.4

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#78

1,2,4-Trimethylbenzene

Concen: 0.765 ug/l

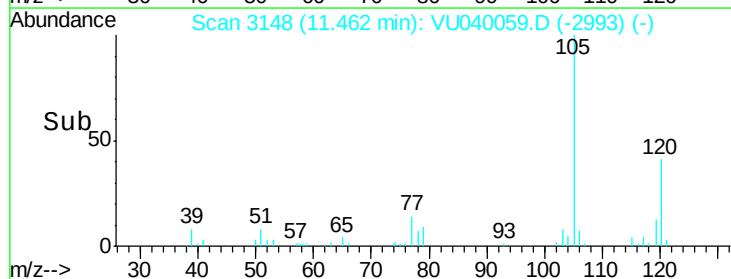
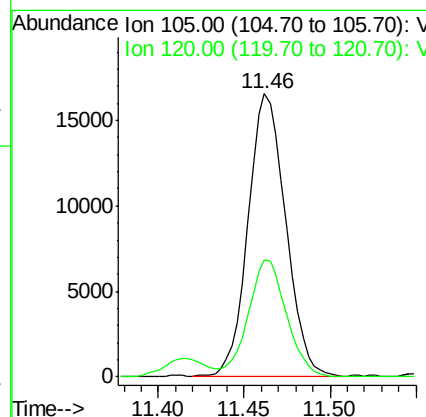
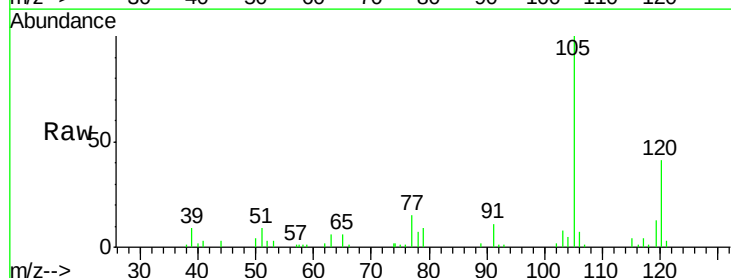
RT: 11.46 min Scan# 3148

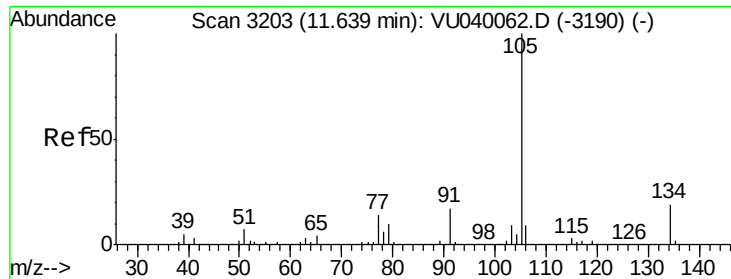
Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Tgt Ion:	105	Resp:	25266
Ion	Ratio	Lower	Upper
105	100		
120	42.1	21.9	65.5





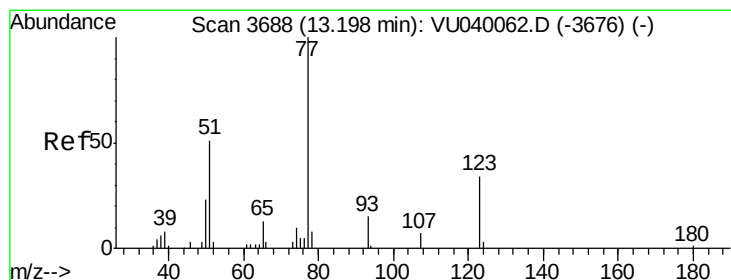
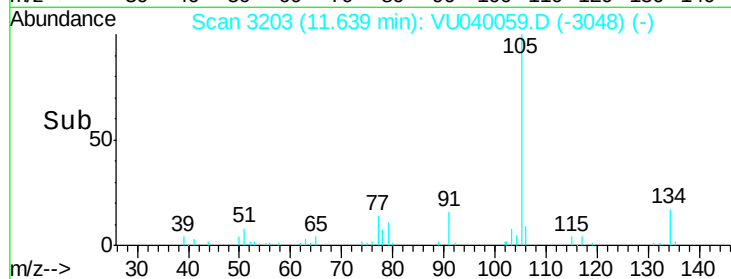
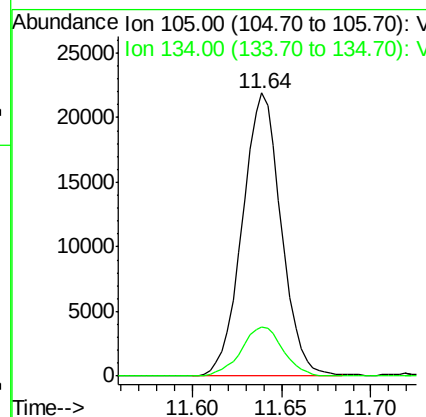
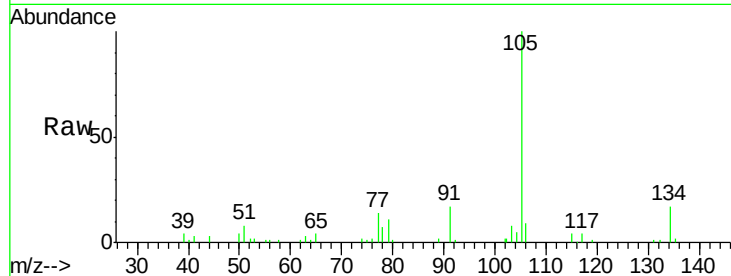
#79
 sec-Butylbenzene
 Concen: 0.758 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	15.0	22.4

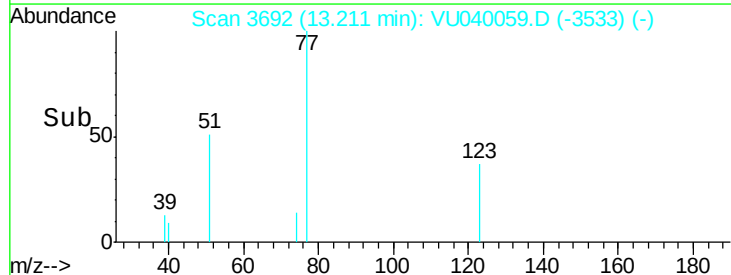
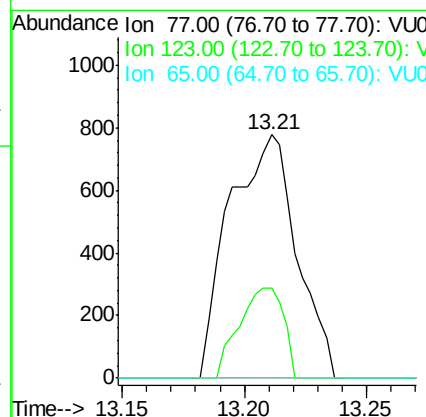
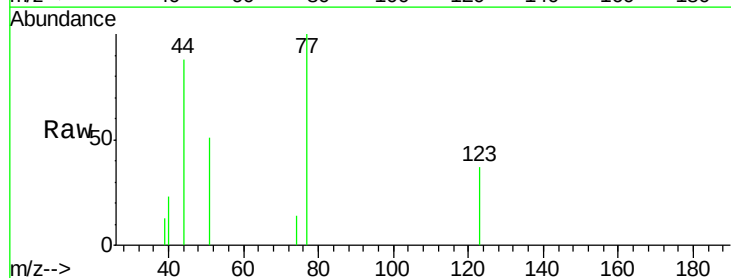
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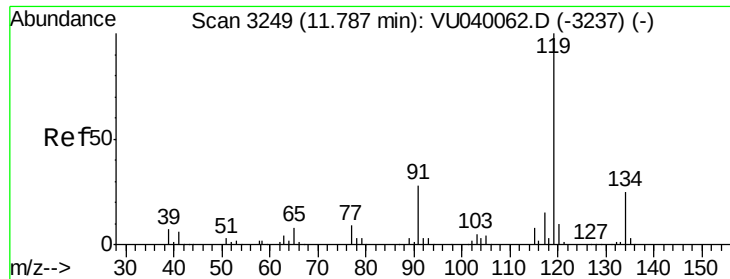
MMDadoda
 9/17/2020 4:47:01 PM



#80
 Nitrobenzene
 Concen: 7.508 ug/l
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.01 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	24.5	16.4	58.0
65	0.0	12.5	15.9#





#81

p-Isopropyltoluene

Concen: 0.727 ug/l

RT: 11.79 min Scan# 3249

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:119 Resp: 25740

Ion Ratio Lower Upper

119 100

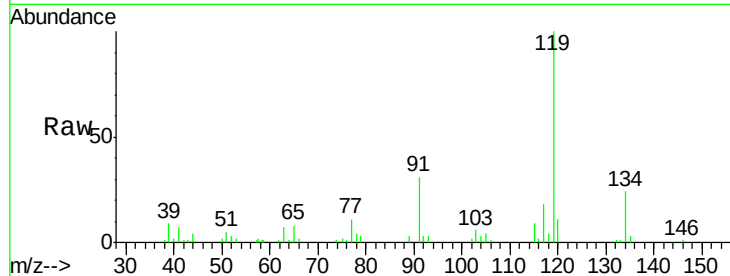
134 23.7 20.3 30.5

91 28.0 22.2 33.2

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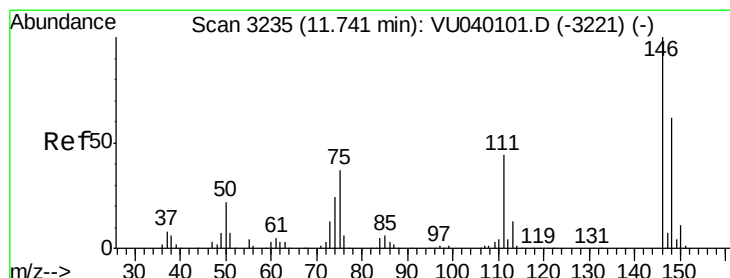
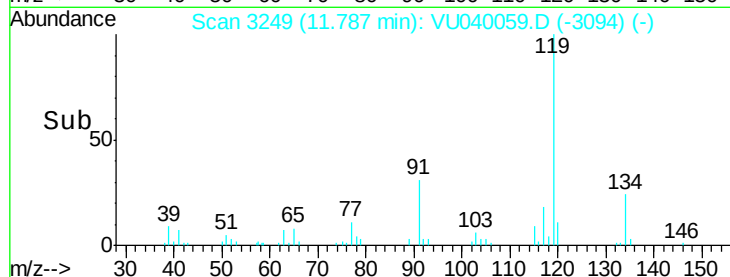
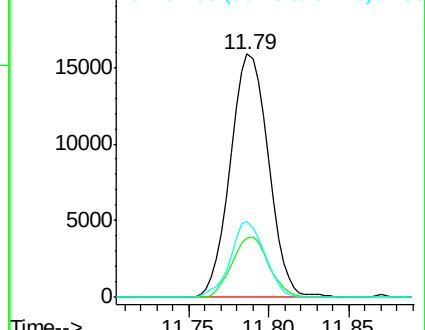
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 0.866 ug/l

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040059.D

Acq: 09 Sep 2020 11:00

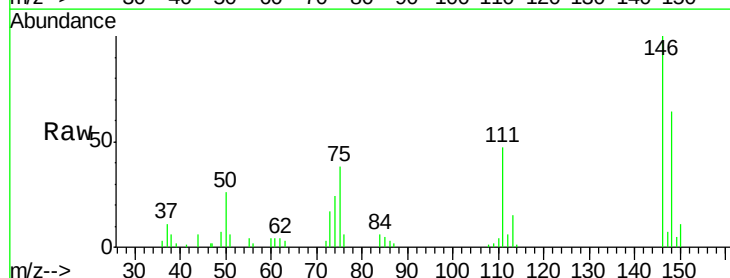
Tgt Ion:146 Resp: 15867

Ion Ratio Lower Upper

146 100

111 43.6 35.4 53.0

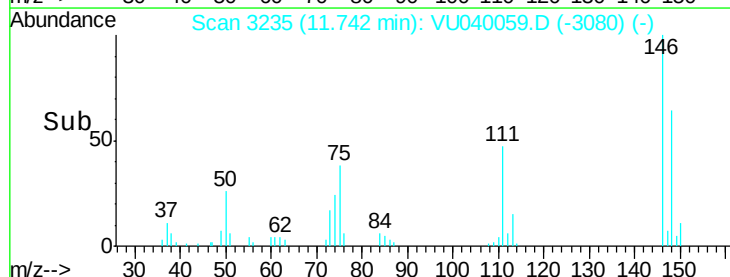
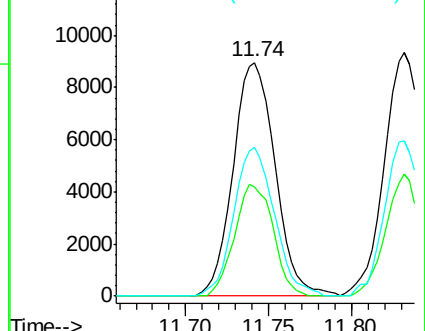
148 61.4 49.7 74.5

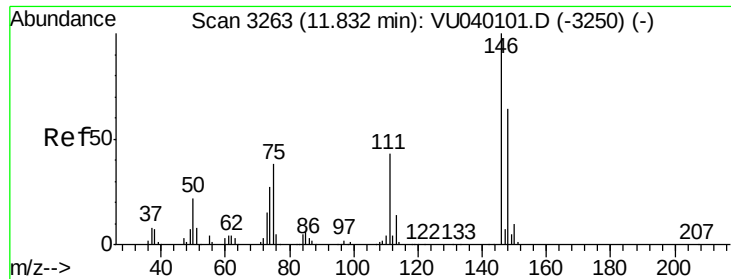


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





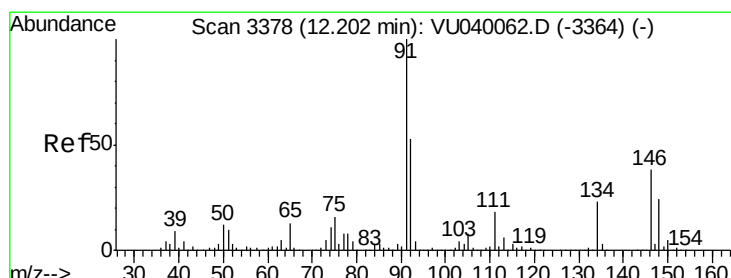
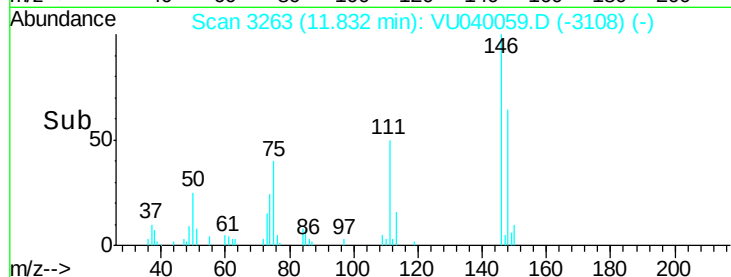
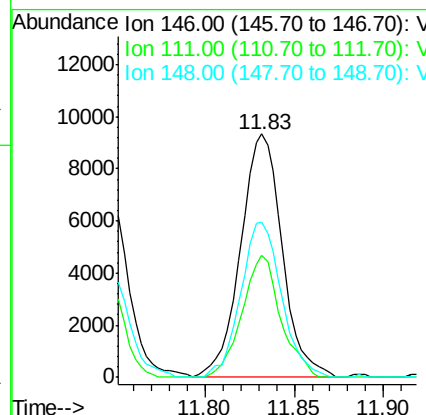
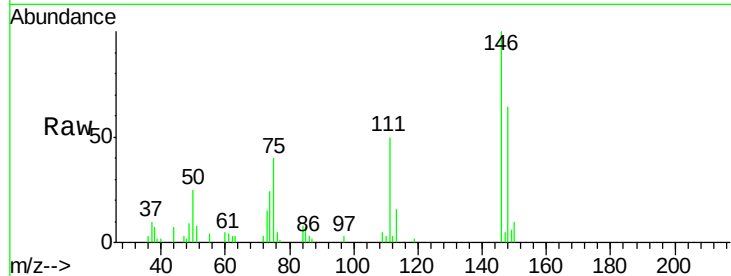
#83
 1,4-Dichlorobenzene
 Concen: 0.824 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	34.2	51.2
148	62.6	50.2	75.2

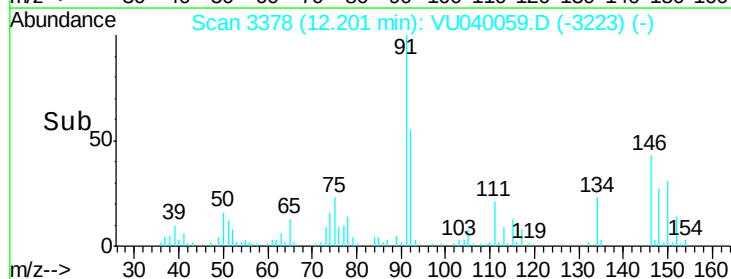
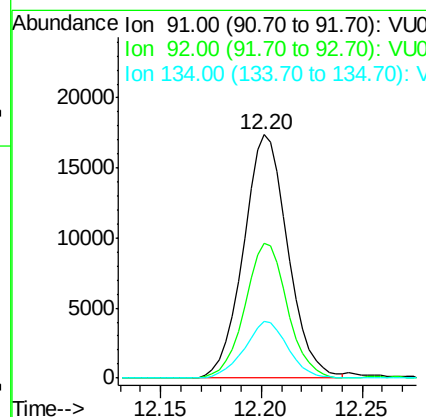
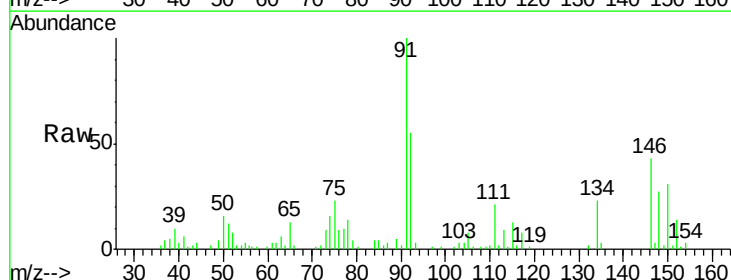
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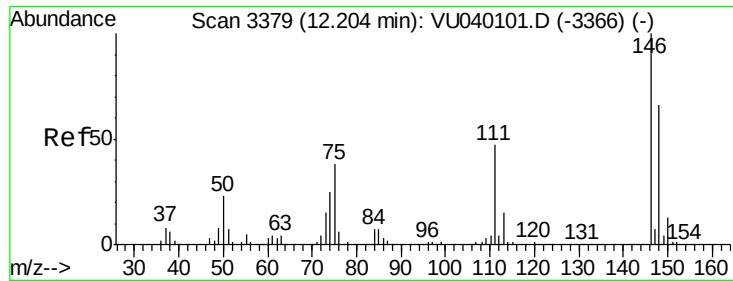
MMDadoda
 9/17/2020 4:47:01 PM



#84
 n-Butylbenzene
 Concen: 0.712 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	43.0	64.4
134	22.8	18.6	27.8





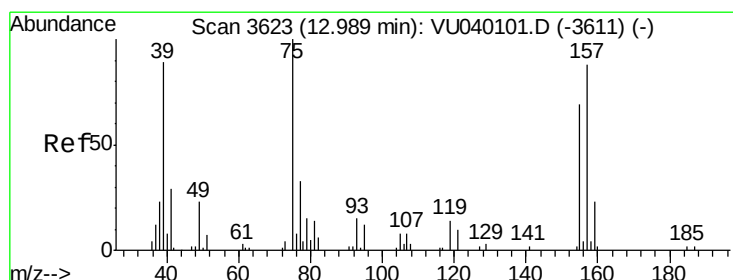
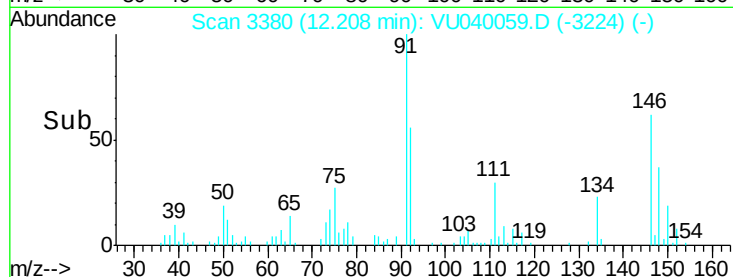
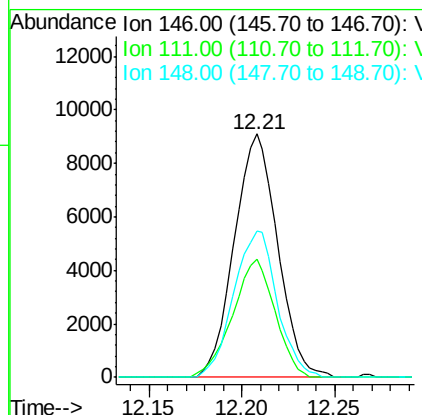
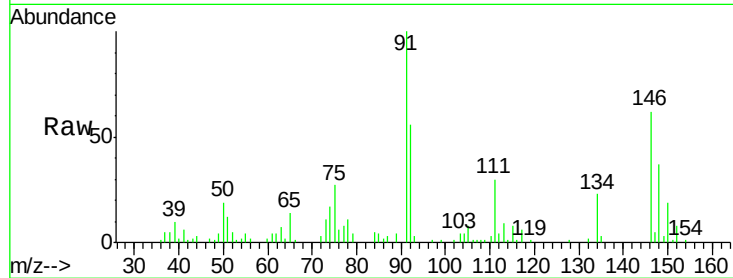
#85
 1,2-Dichlorobenzene
 Concen: 0.834 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	22.9	68.7
148	60.2	31.1	93.2

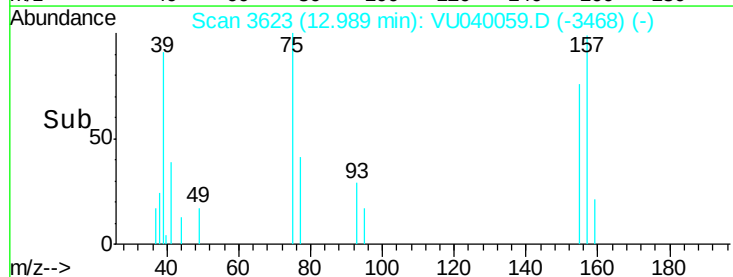
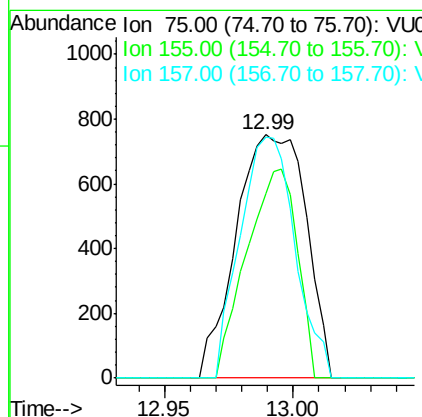
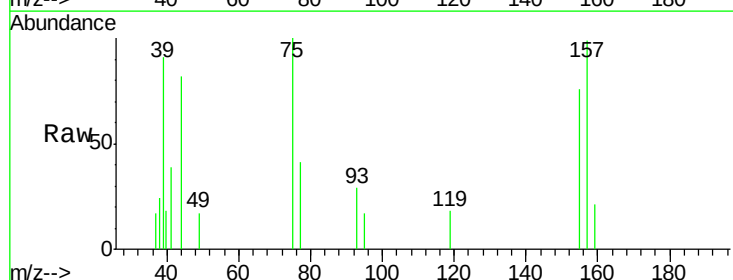
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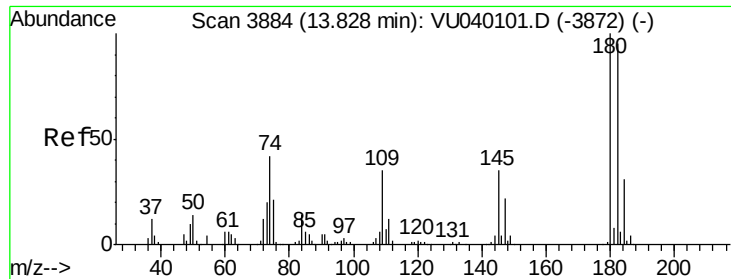
MMDadoda
 9/17/2020 4:47:01 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.880 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.3	53.4	80.0
157	78.1	65.8	98.8





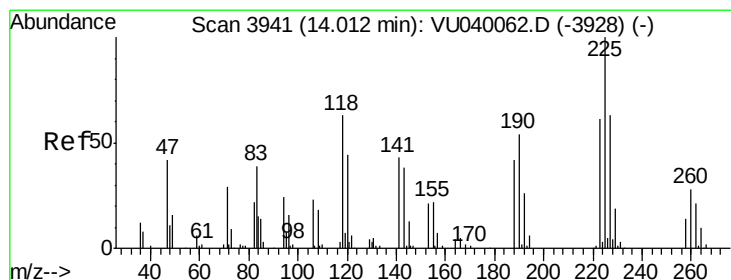
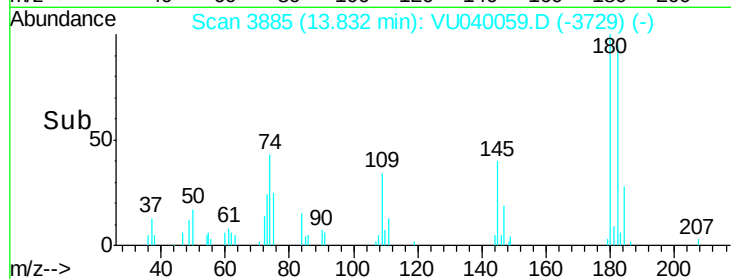
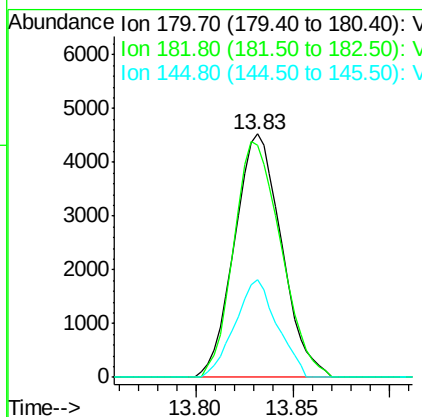
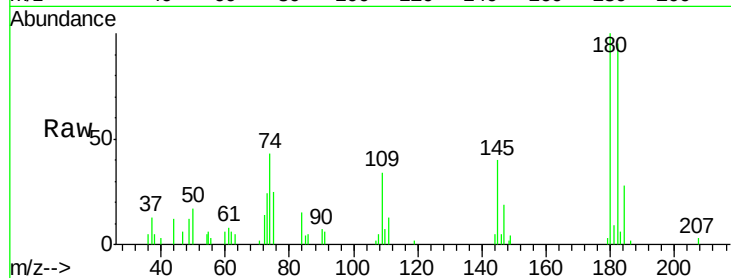
#87
 1,2,4-Trichlorobenzene
 Concen: 0.698 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.0	112.4
145	36.1	27.7	41.5

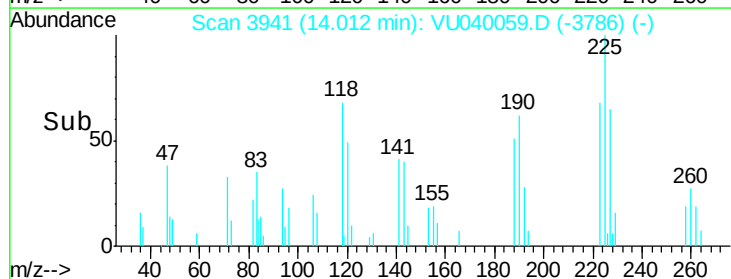
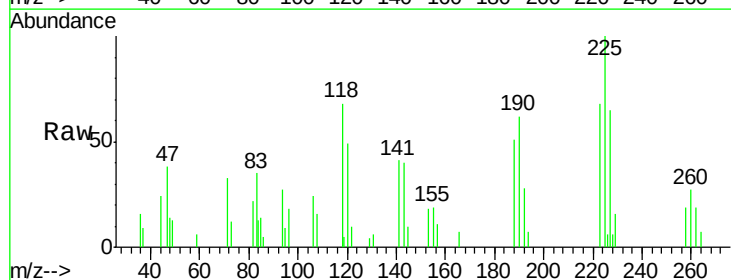
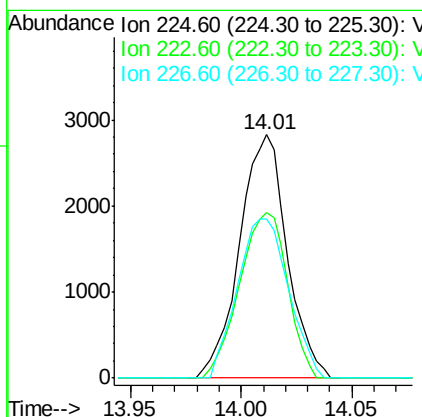
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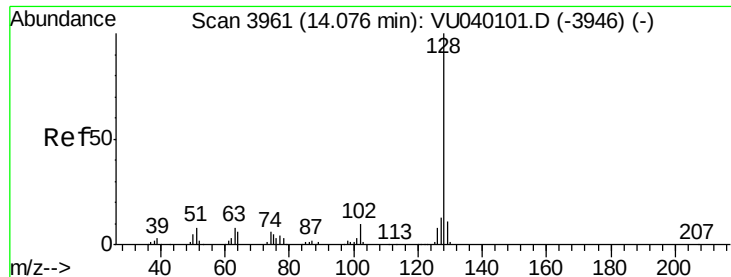
MMDadoda
 9/17/2020 4:47:01 PM



#88
 Hexachlorobutadiene
 Concen: 0.829 ug/l
 RT: 14.01 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VU040059.D
 Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.7	50.7	76.1
227	70.1	51.1	76.7





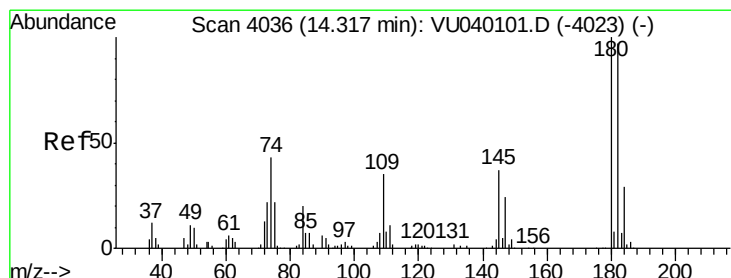
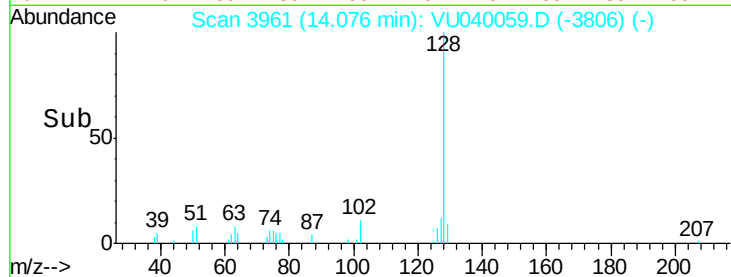
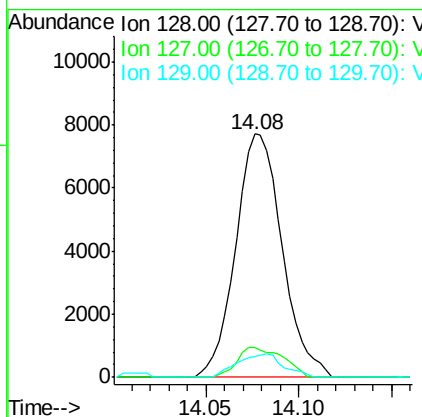
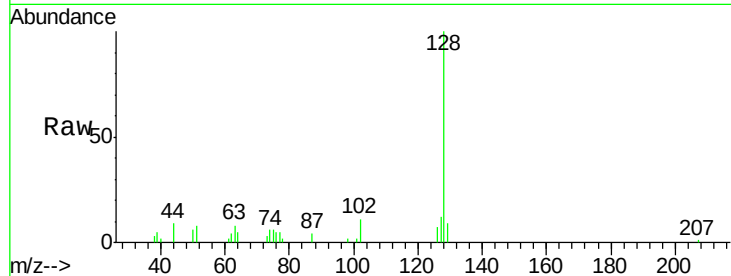
#89
Naphthalene
Concen: 0.577 ug/l
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	9.5	8.3	12.5

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 0.702 ug/l
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040059.D
Acq: 09 Sep 2020 11:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.0	114.0
145	39.1	30.6	45.8

