

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090920\
 Data File : VU040058.D
 Acq On : 09 Sep 2020 10:31
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

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

Quant Time: Sep 10 03:55:36 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	6.12	96	27460	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	11736	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	10098	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	3836	0.415	ug/l	84
3) Chloromethane	1.53	50	4440	0.393	ug/l	97
4) Vinyl Chloride	1.61	62	4337	0.414	ug/l	97
5) Bromomethane	1.86	94	3979	0.552	ug/l	92
6) Chloroethane	1.94	64	3141	0.435	ug/l	92
7) Trichlorofluoromethane	2.15	101	6599	0.467	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3995	0.493	ug/l	95
9) 1,1-Dichloroethene	2.59	96	3161	0.429	ug/l	92
11) Allyl Chloride	2.94	41	6795	0.433	ug/l	96
12) Acrylonitrile	3.33	53	2335	0.902	ug/l	90
13) Acetone	2.64	43	5181	2.123	ug/l	100
14) Carbon Disulfide	2.81	76	9423	0.360	ug/l	97
15) Methylene Chloride	3.06	84	6781	0.655	ug/l	89
16) trans-1,2-Dichloroethene	3.37	96	3229	0.386	ug/l	95
17) 1,1-Dichloroethane	3.89	63	8091	0.444	ug/l	97
18) 2-Butanone	4.74	43	7755	1.921	ug/l	98
19) Cyclohexane	5.40	56	6978m	0.401	ug/l	
20) Methylcyclohexane	6.77	83	5702	0.432	ug/l #	88
21) 2,2-Dichloropropane	4.68	77	8431	0.556	ug/l	92
22) cis-1,2-Dichloroethene	4.68	96	4269	0.471	ug/l	94
23) Diethyl Ether	2.38	59	3073	0.412	ug/l	92
24) tert-Butyl Alcohol	3.21	59	4720	3.479	ug/l #	86
25) Methyl tert-Butyl Ether	3.38	73	10963	0.455	ug/l	91
26) Bromochloromethane	5.00	128	1733	0.462	ug/l	90
27) Chloroform	5.11	83	8362	0.483	ug/l	87
28) 1,1,1-Trichloroethane	5.33	97	6605	0.467	ug/l	97
29) 1,1-Dichloropropene	5.54	75	6059	0.452	ug/l	95
30) Carbon Tetrachloride	5.53	117	5956	0.506	ug/l	94
31) Isopropyl Ether	4.02	45	13086	0.395	ug/l	94
32) Ethyl-t-butyl ether	4.53	59	11857	0.417	ug/l #	72
33) Tert-Amyl methyl ether	5.97	73	9802	0.465	ug/l #	83
34) Propionitrile	4.81	54	1853	1.856	ug/l #	86
35) Benzene	5.78	78	14508	0.429	ug/l	98
36) 1,2-Dichloroethane	5.81	62	6528	0.514	ug/l #	90
37) Trichloroethene	6.56	130	4043	0.517	ug/l	100
38) 1,2-Dichloropropane	6.81	63	4501	0.484	ug/l #	88
39) Methacrylonitrile	5.01	41	2500	0.472	ug/l #	78
40) Methyl acrylate	4.87	55	2991	0.441	ug/l #	88
41) Tetrahydrofuran	5.09	42	2224	0.841	ug/l #	80
42) 1-Chlorobutane	5.47	56	8533	0.408	ug/l	96
43) Dibromomethane	6.93	93	2584	0.509	ug/l	98

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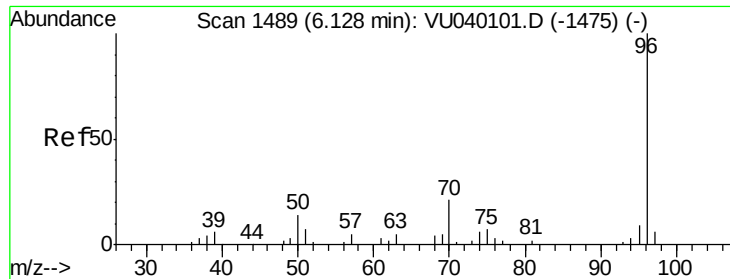
Manual Integrations
 APPROVED

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Quant Time: Sep 10 03:55:36 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	7.11	83	6387	0.550	ug/l #	85
45) 4-Methyl-2-Pentanone	7.81	43	16302	2.157	ug/l	96
46) t-1,4-Dichloro-2-butene	10.83	75	2081m	0.869	ug/l	
47) Methyl methacrylate	6.98	69	3946	0.846	ug/l	89
48) Ethyl methacrylate	8.34	69	3562	0.415	ug/l	94
49) Toluene	7.98	92	8678	0.434	ug/l	96
50) t-1,3-Dichloropropene	8.22	75	5309	0.508	ug/l #	84
51) cis-1,3-Dichloropropene	7.62	75	6235	0.509	ug/l	97
52) 1,1,2-Trichloroethane	8.40	97	3277	0.498	ug/l #	87
53) 1,3-Dichloropropane	8.58	76	5752	0.460	ug/l	92
54) 2-Hexanone	8.69	43	12651	2.337	ug/l	96
55) Dibromochloromethane	8.82	129	3575	0.502	ug/l	91
56) 1,2-Dibromoethane	8.93	107	2807	0.447	ug/l	98
58) Tetrachloroethene	8.56	164	3519	0.505	ug/l	96
59) Chlorobenzene	9.45	112	10055	0.481	ug/l	92
60) 1,1,1,2-Tetrachloroethane	9.54	131	3731	0.522	ug/l	91
61) Pentachloroethane	11.42	117	2477	0.414	ug/l	97
62) Hexachloroethane	12.47	117	3164	0.549	ug/l	95
63) Ethyl Benzene	9.57	91	15656	0.421	ug/l	94
64) m/p-Xylenes	9.69	106	10546	0.730	ug/l	79
65) o-Xylene	10.10	106	5136	0.374	ug/l	95
66) Styrene	10.11	104	8977	0.379	ug/l	96
67) Bromoform	10.29	173	1827	0.504	ug/l #	92
69) Isopropylbenzene	10.48	105	15506	0.421	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.78	83	4495	0.482	ug/l	99
71) 1,2,3-Trichloropropane	10.83	75	3948m	0.570	ug/l	
72) Bromobenzene	10.78	156	3689	0.439	ug/l	90
73) n-propylbenzene	10.90	120	4071	0.394	ug/l	99
74) 2-Chlorotoluene	10.98	126	3678	0.418	ug/l	93
75) 1,3,5-Trimethylbenzene	11.09	105	12213	0.383	ug/l	99
76) 4-Chlorotoluene	11.10	126	3875	0.425	ug/l	99
77) tert-Butylbenzene	11.41	119	12794	0.421	ug/l	100
78) 1,2,4-Trimethylbenzene	11.46	105	14048	0.430	ug/l	96
79) sec-Butylbenzene	11.64	105	17273	0.397	ug/l	100
80) Nitrobenzene	13.21	77	692	3.529	ug/l #	53
81) p-Isopropyltoluene	11.79	119	12913	0.369	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	8957	0.494	ug/l	97
83) 1,4-Dichlorobenzene	11.83	146	8710	0.477	ug/l	97
84) n-Butylbenzene	12.20	91	13443	0.362	ug/l	97
85) 1,2-Dichlorobenzene	12.21	146	8452	0.483	ug/l	94
86) 1,2-Dibromo-3-Chloropropan	12.99	75	703	0.441	ug/l #	78
87) 1,2,4-Trichlorobenzene	13.83	180	4785	0.441	ug/l #	88
88) Hexachlorobutadiene	14.01	225	2361	0.467	ug/l	99
89) Naphthalene	14.08	128	7295	0.316	ug/l	98
90) 1,2,3-Trichlorobenzene	14.32	180	4211	0.411	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 96 Resp: 27460

Ion Ratio Lower Upper

96 100

70 23.0 17.1 25.7

95 9.4 7.6 11.4

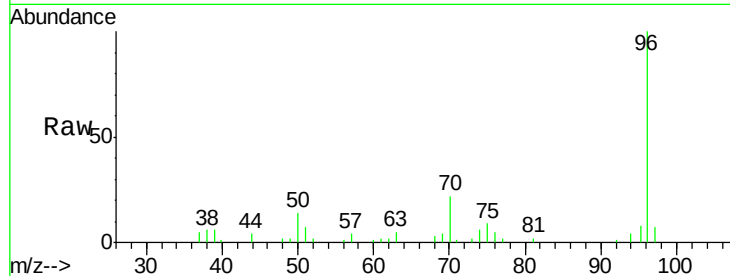
97 6.7 0.0 0.0#

Manual Integrations

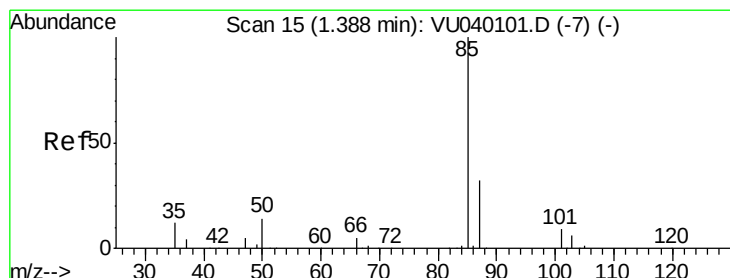
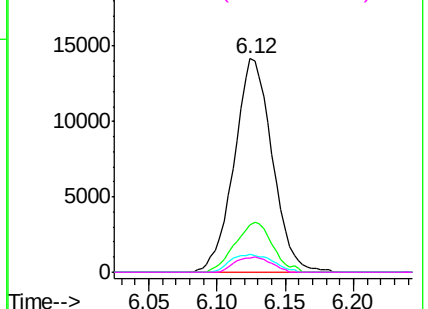
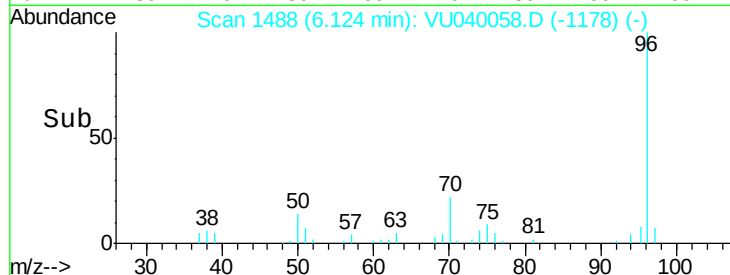
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Abundance Ion 96.00 (95.70 to 96.70): VU040058.D (-1178) (-)



#2

Dichlorodifluoromethane

Concen: 0.415 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040058.D

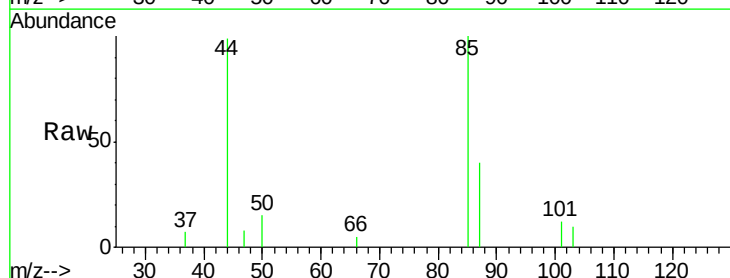
Acq: 09 Sep 2020 10:31

Tgt Ion: 85 Resp: 3836

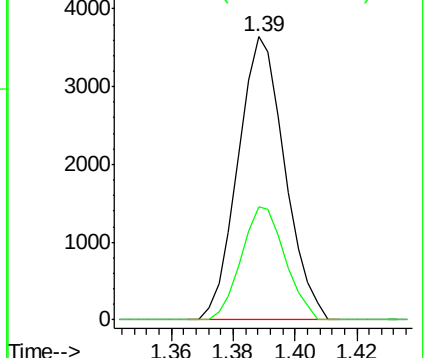
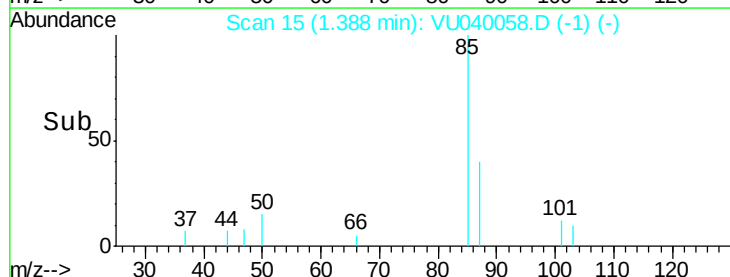
Ion Ratio Lower Upper

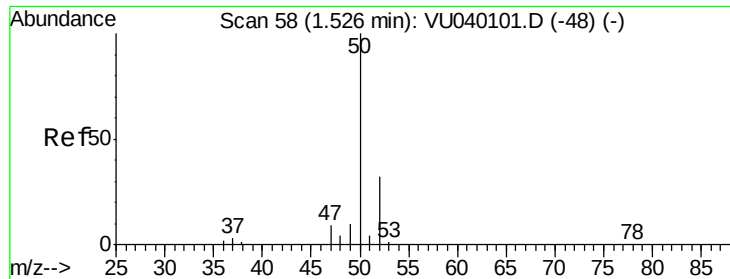
85 100

87 39.8 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VU040058.D (-1) (-)





#3

Chloromethane

Concen: 0.393 ug/l

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 4440

Ion Ratio Lower Upper

50 100

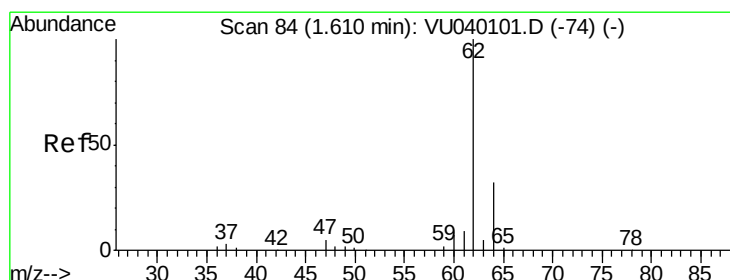
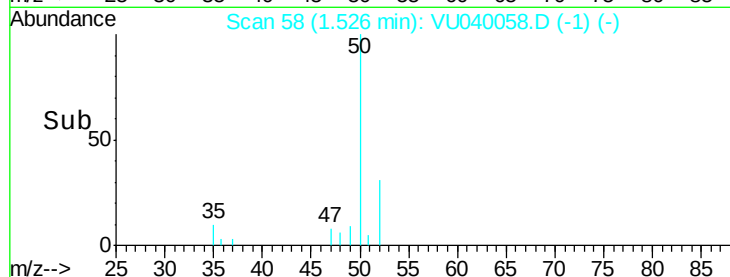
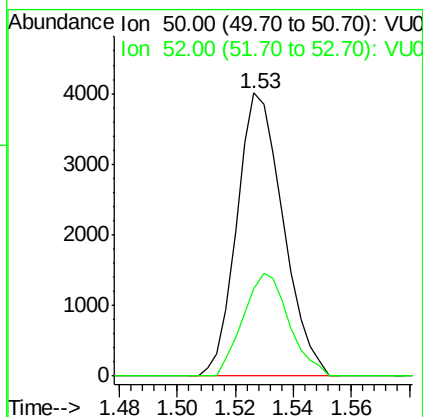
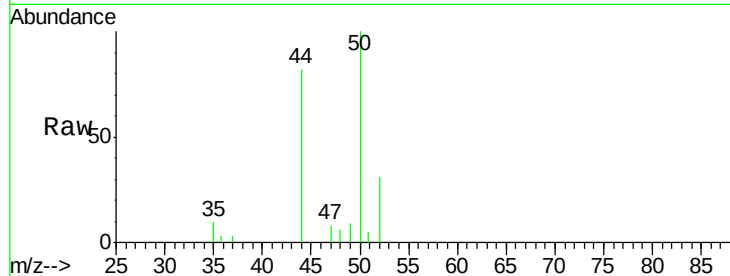
52 30.8 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.414 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040058.D

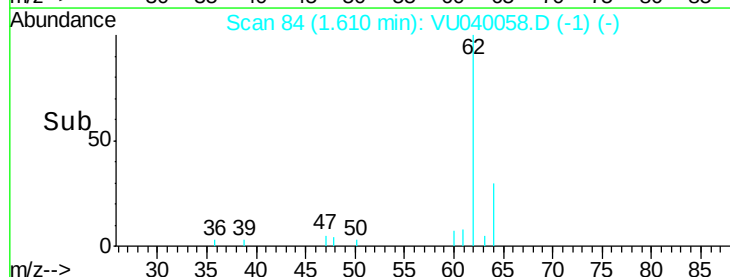
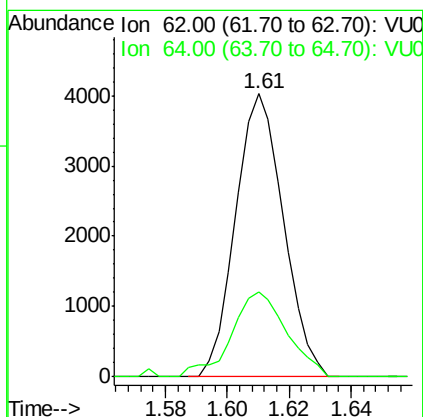
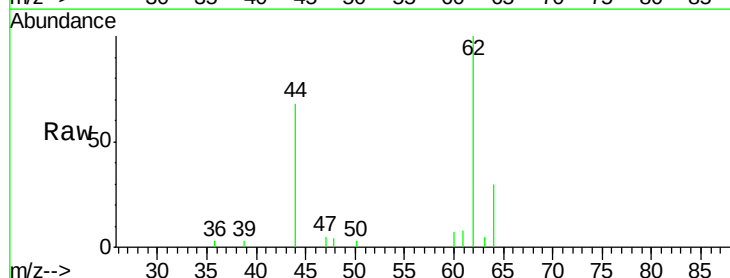
Acq: 09 Sep 2020 10:31

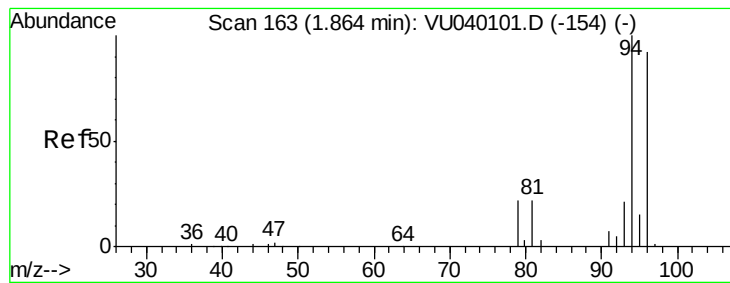
Tgt Ion: 62 Resp: 4337

Ion Ratio Lower Upper

62 100

64 29.8 25.4 38.0





#5

Bromomethane

Concen: 0.552 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 3979

Ion Ratio Lower Upper

94 100

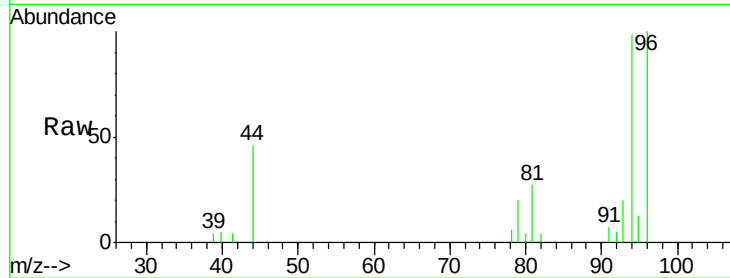
96 102.0 75.4 113.2

Manual Integrations

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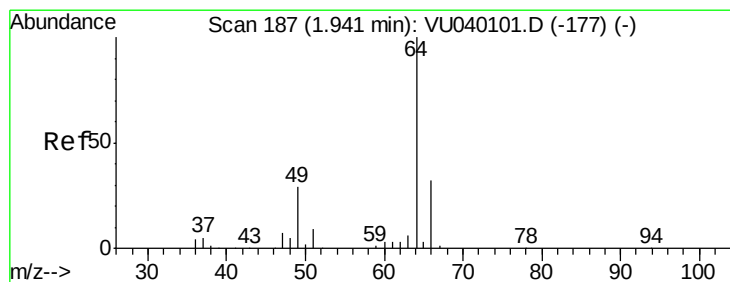
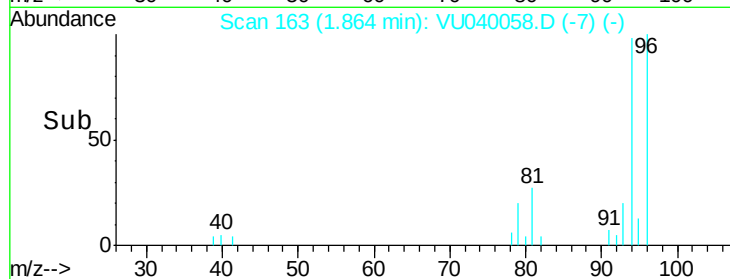
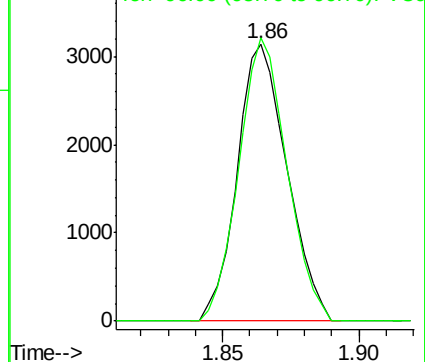
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.435 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040058.D

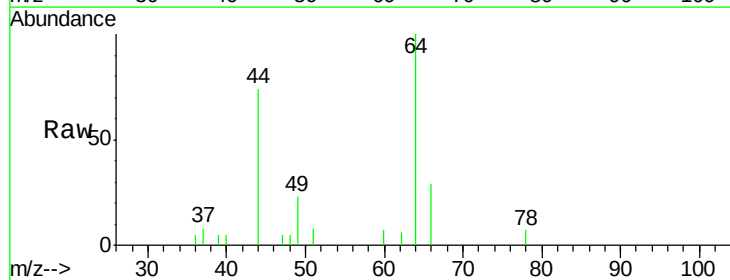
Acq: 09 Sep 2020 10:31

Tgt Ion: 64 Resp: 3141

Ion Ratio Lower Upper

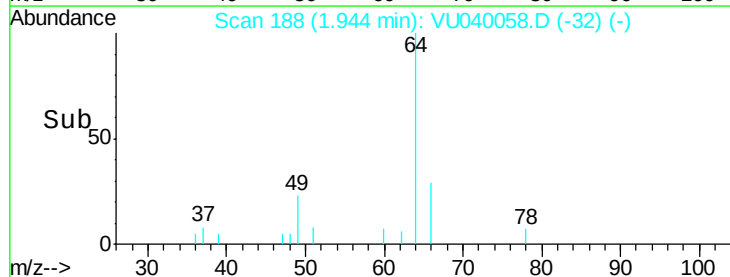
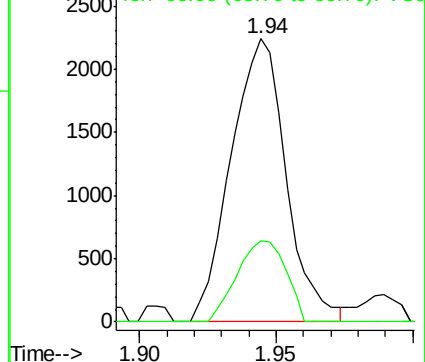
64 100

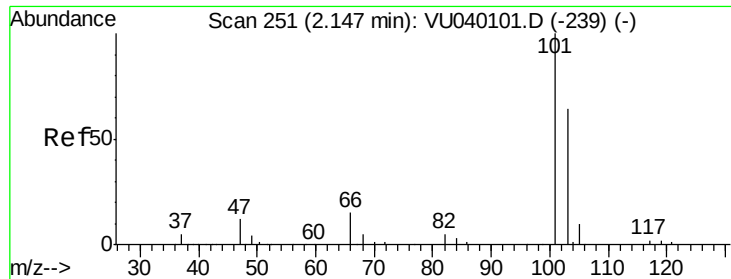
66 28.6 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

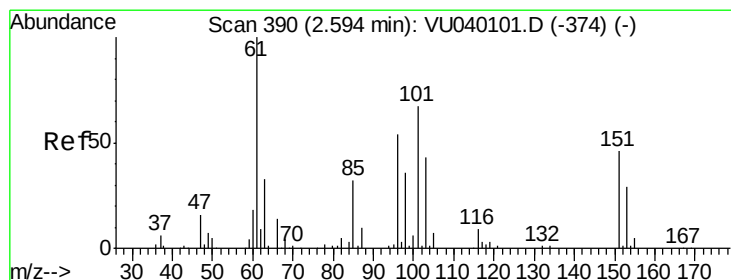
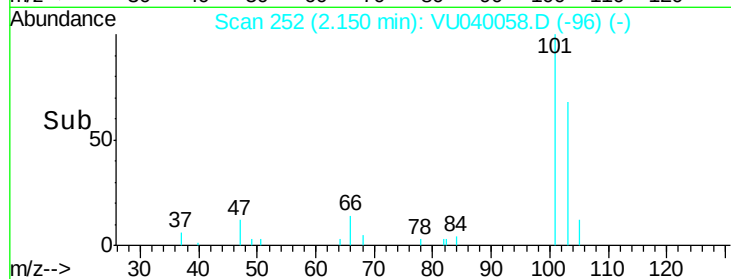
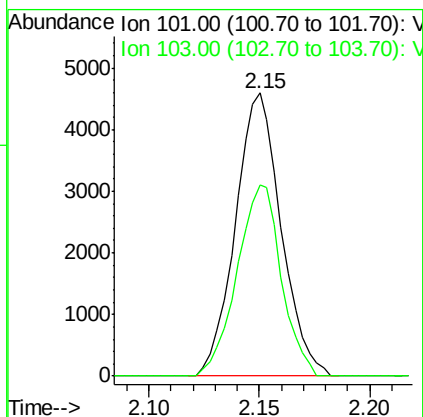
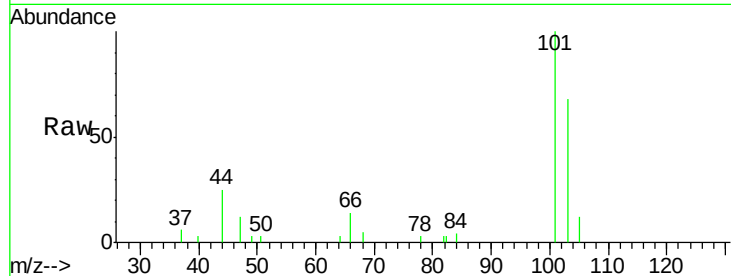
Trichlorofluoromethane
 Concen: 0.467 ug/l
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.7	50.8	76.2

Manual Integrations
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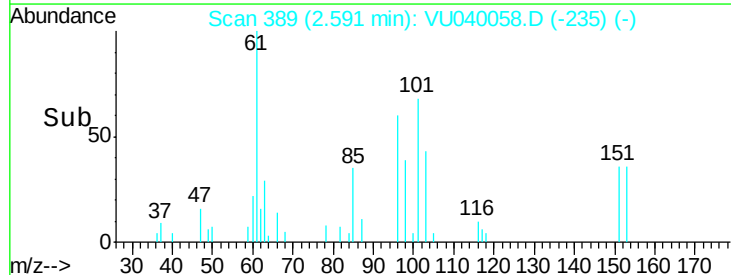
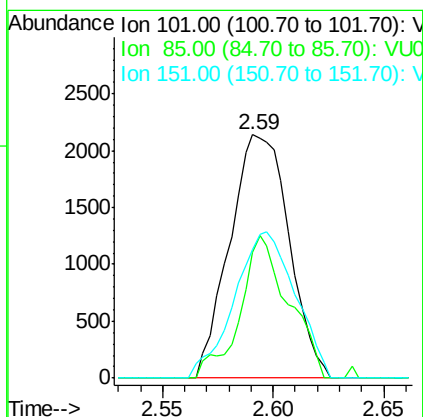
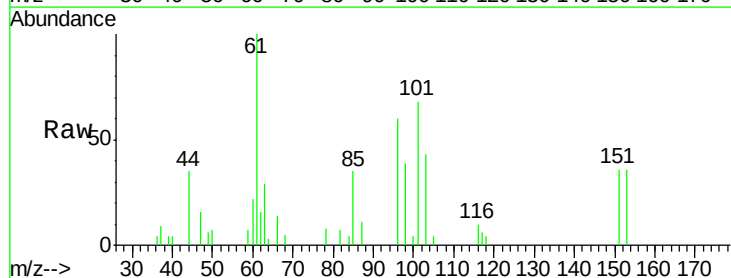
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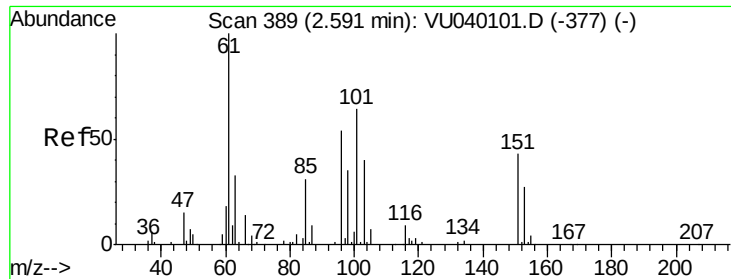


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.493 ug/l
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.0	38.5	57.7
151	61.6	54.6	81.8





#9

1,1-Dichloroethene

Concen: 0.429 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

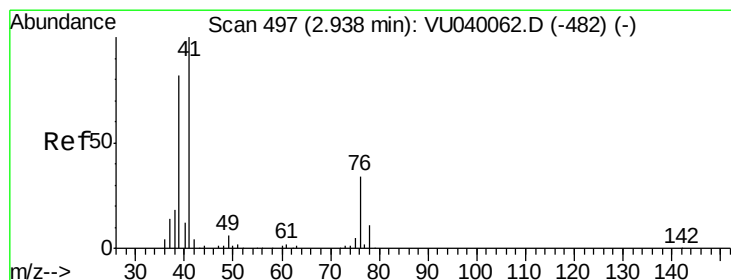
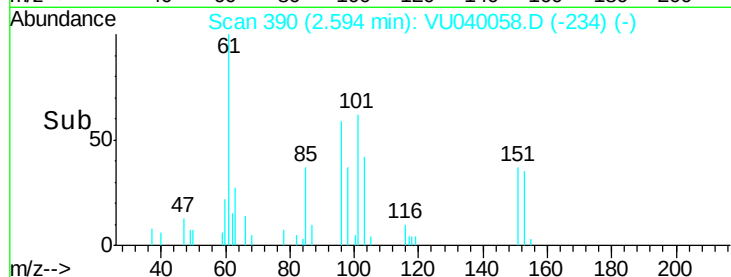
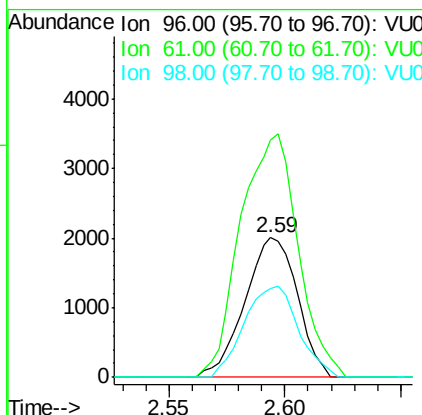
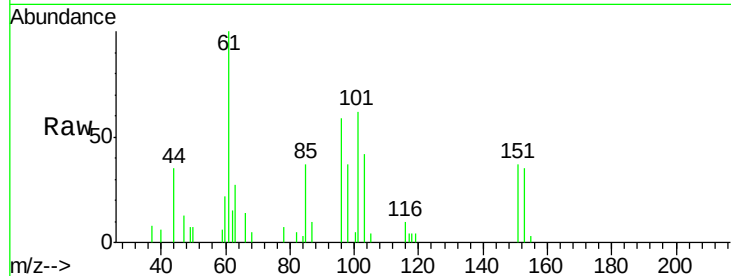
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	3161
Ion	Ratio	Lower	Upper
96	100		
61	169.9	0.0	557.1
98	63.5	0.0	125.6

Manual Integrations
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#11

Allyl Chloride

Concen: 0.433 ug/l

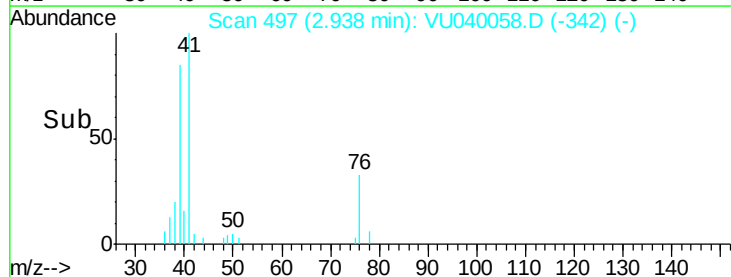
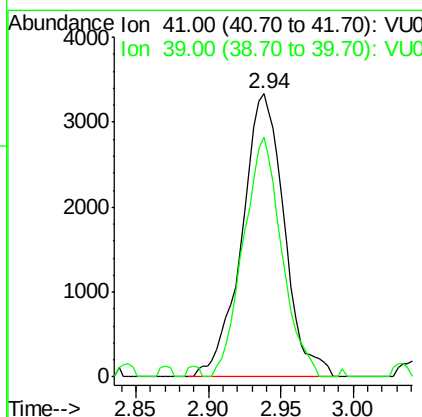
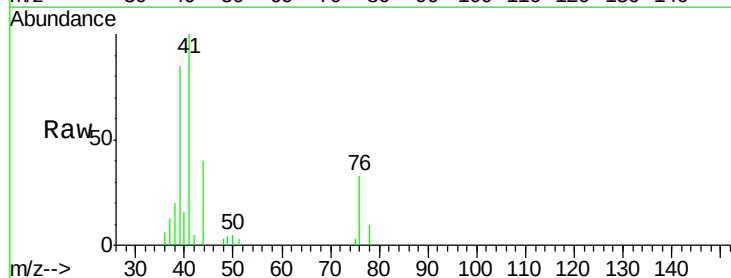
RT: 2.94 min Scan# 497

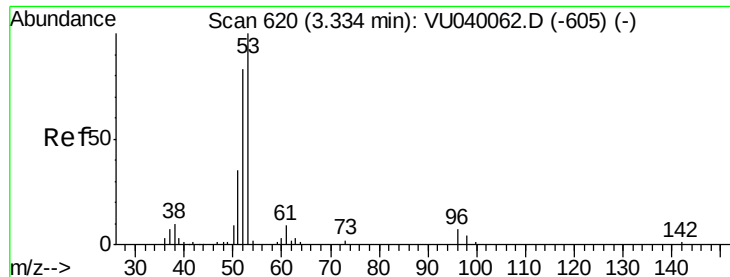
Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion:	41	Resp:	6795
Ion	Ratio	Lower	Upper
41	100		
39	76.7	64.6	96.8





#12

Acrylonitrile

Concen: 0.902 ug/l

RT: 3.33 min Scan# 619

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

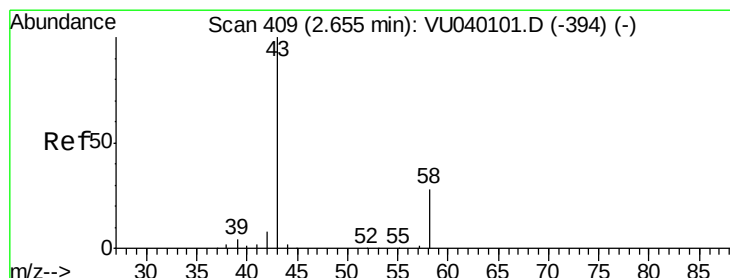
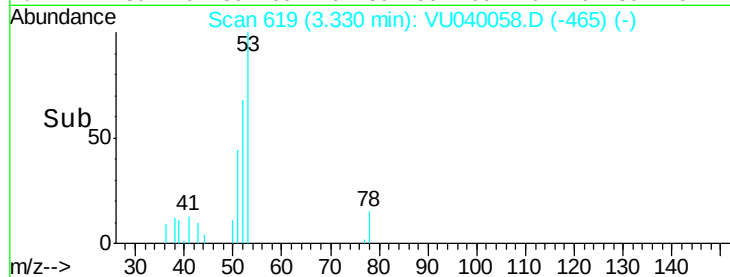
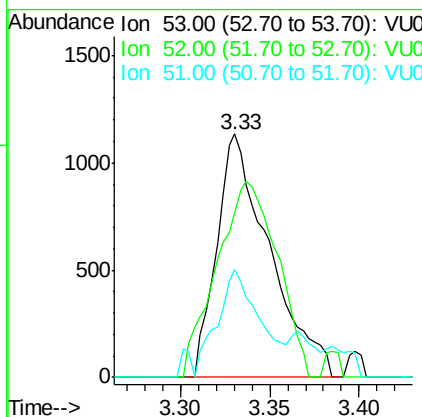
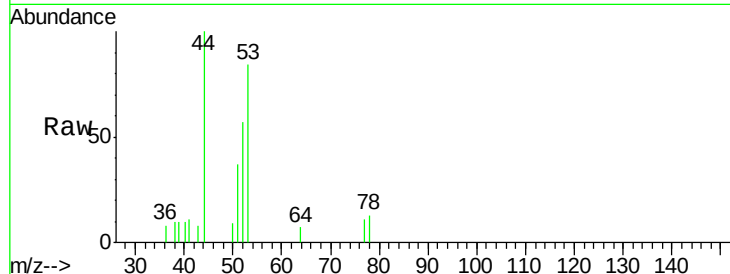
ClientSampleId :

VSTDIC0.5

Tot Ion:	53	Resp:	2335
Ion	Ratio	Lower	Upper
53	100		
52	92.3	64.0	96.0
51	36.4	28.2	42.2

Manual Integrations
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#13

Acetone

Concen: 2.123 ug/l

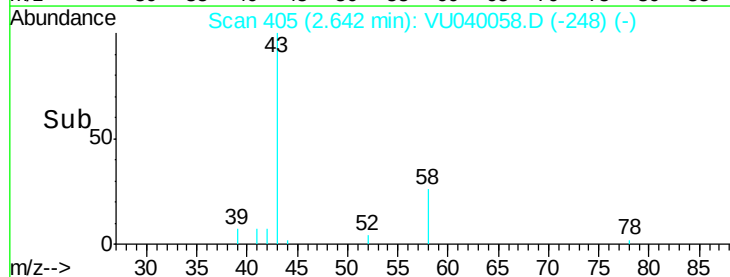
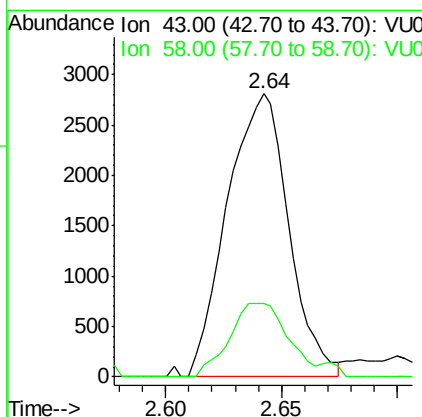
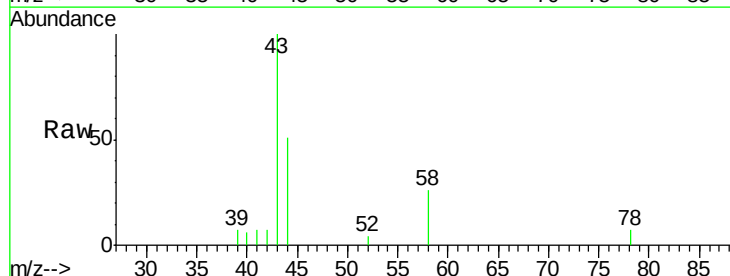
RT: 2.64 min Scan# 405

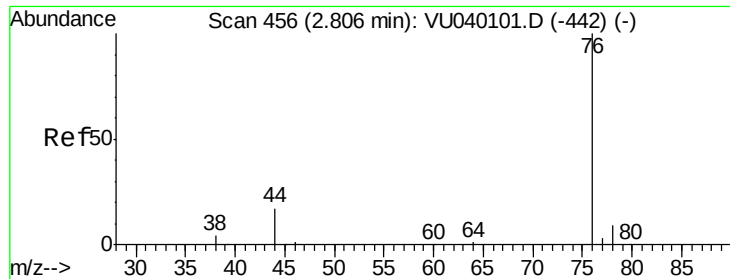
Delta R.T. 0.01 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion:	43	Resp:	5181
Ion	Ratio	Lower	Upper
43	100		
58	25.8	20.6	31.0





#14

Carbon Disulfide

Concen: 0.360 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 76 Resp: 9423

Ion Ratio Lower Upper

76 100

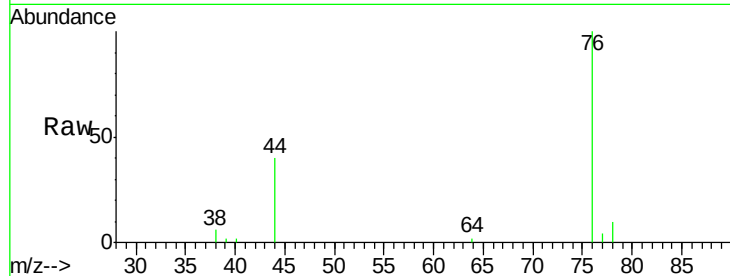
78 8.0 7.2 10.8

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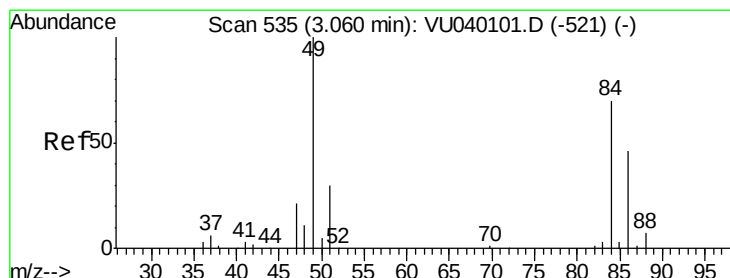
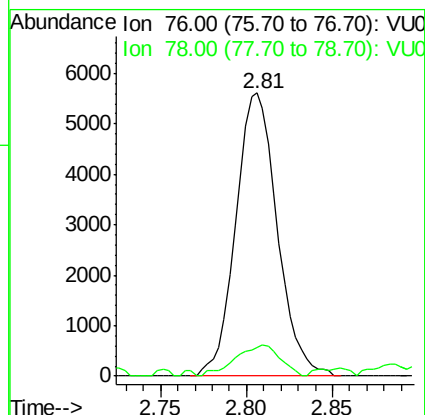
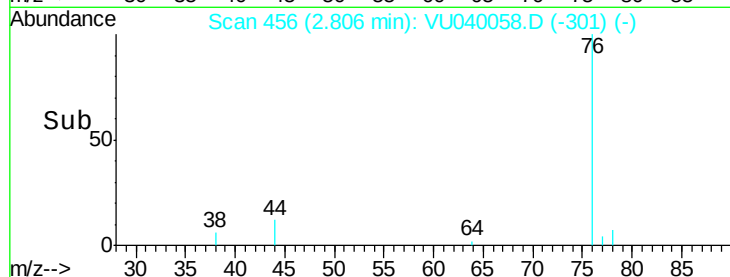
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Abundance Ion 76.00 (75.70 to 76.70): VU040058.D (-301) (-)

Ion 78.00 (77.70 to 78.70): VU040058.D (-301) (-)



#15

Methylene Chloride

Concen: 0.655 ug/l

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion: 84 Resp: 6781

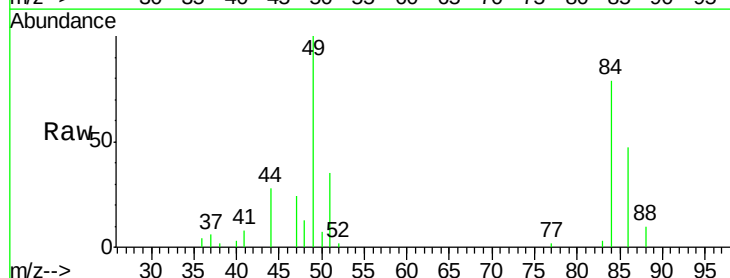
Ion Ratio Lower Upper

84 100

49 124.2 114.3 171.5

51 44.2 0.0 84.6

86 59.3 50.6 76.0

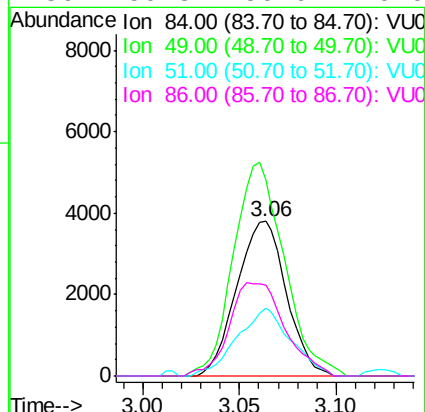
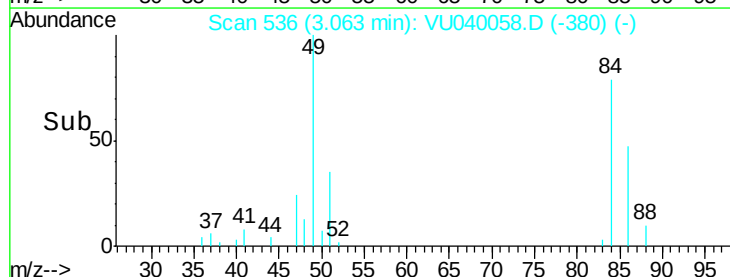


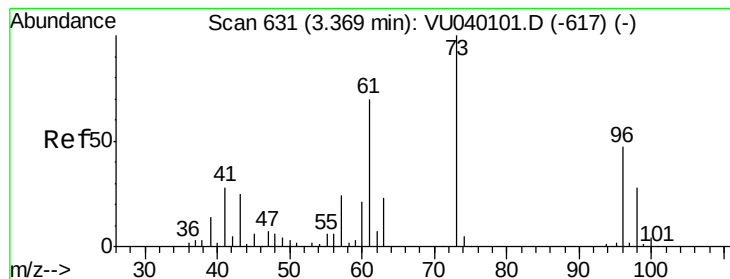
Abundance Ion 84.00 (83.70 to 84.70): VU040058.D (-380) (-)

Ion 49.00 (48.70 to 49.70): VU040058.D (-380) (-)

Ion 51.00 (50.70 to 51.70): VU040058.D (-380) (-)

Ion 86.00 (85.70 to 86.70): VU040058.D (-380) (-)





#16

trans-1,2-Dichloroethene

Concen: 0.386 ug/l

RT: 3.37 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 96 Resp: 3229

Ion Ratio Lower Upper

96 100

61 154.0 121.4 182.0

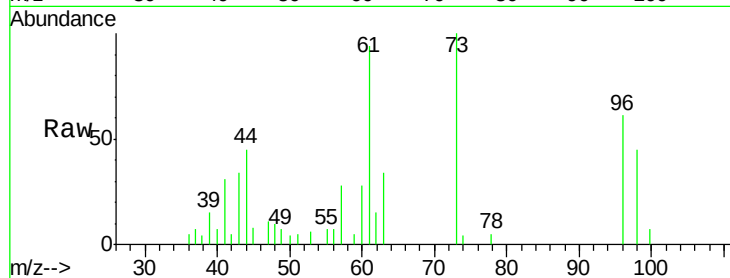
98 74.2 51.9 77.9

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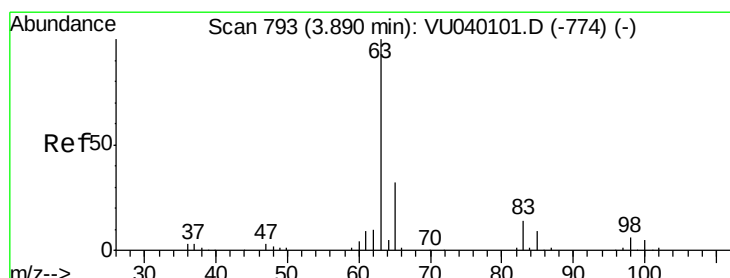
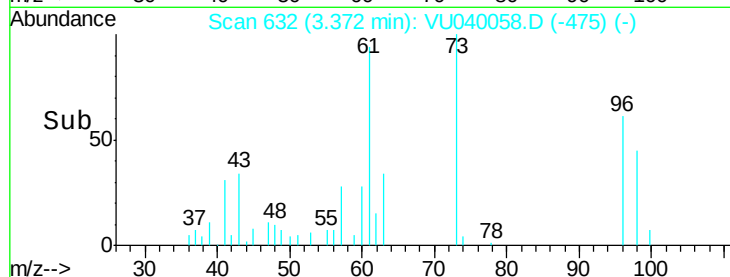
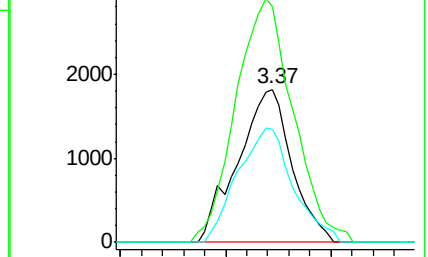
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Abundance Ion 96.00 (95.70 to 96.70): VU040101.D (-617) (-)

Ion 61.00 (60.70 to 61.70): VU040101.D (-617) (-)

Ion 98.00 (97.70 to 98.70): VU040101.D (-617) (-)



#17

1,1-Dichloroethane

Concen: 0.444 ug/l

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

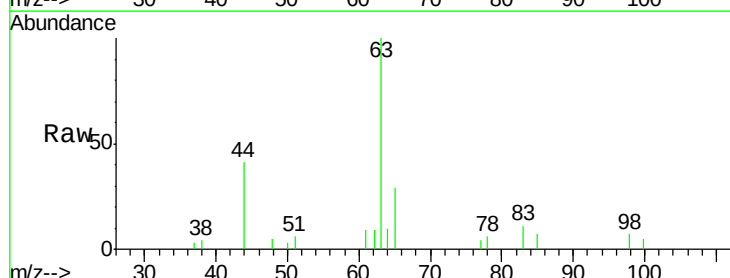
Tgt Ion: 63 Resp: 8091

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

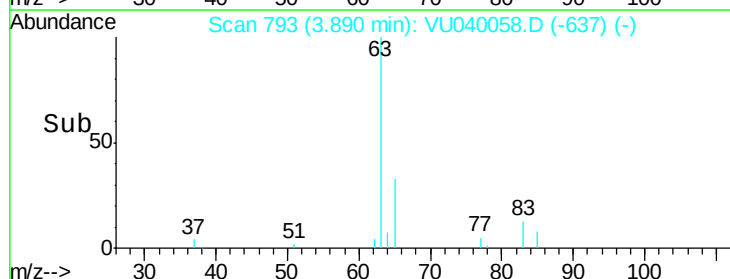
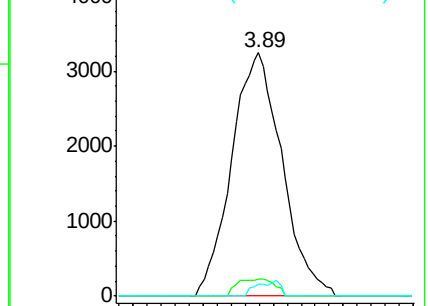
100 4.9 2.0 5.8

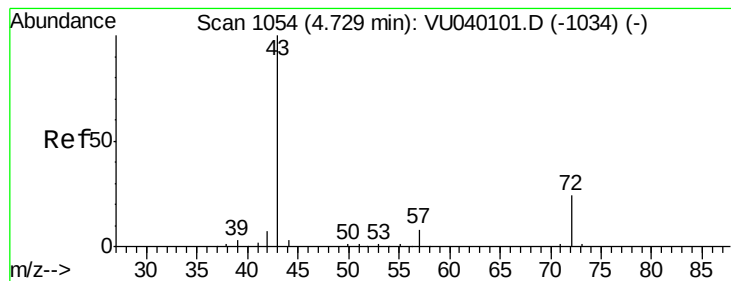


Abundance Ion 63.00 (62.70 to 63.70): VU040101.D (-774) (-)

Ion 98.00 (97.70 to 98.70): VU040101.D (-774) (-)

Ion 100.00 (99.70 to 100.70): VU040101.D (-774) (-)





#18

2-Butanone

Concen: 1.921 ug/l

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 7755

Ion Ratio Lower Upper

43 100

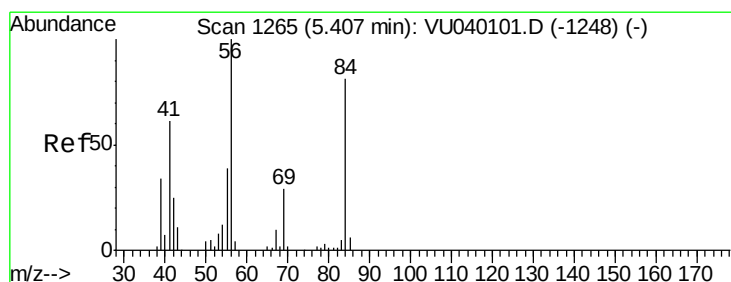
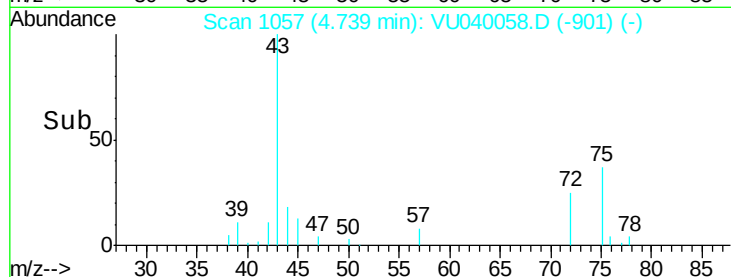
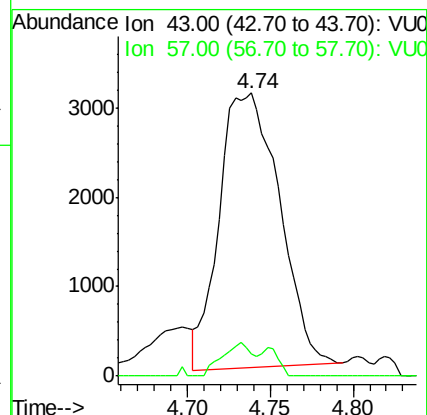
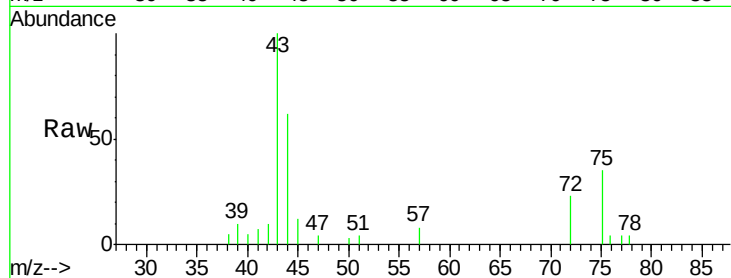
57 8.2 0.0 15.2

Manual Integrations

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#19

Cyclohexane

Concen: 0.401 ug/l m

RT: 5.40 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

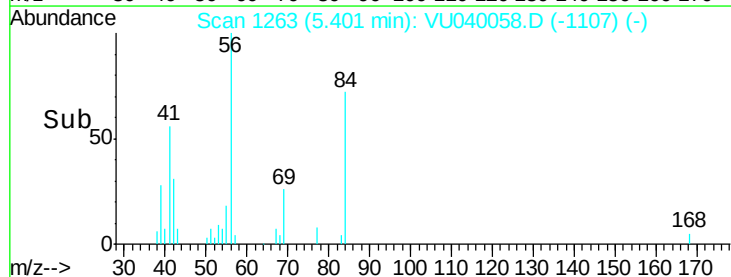
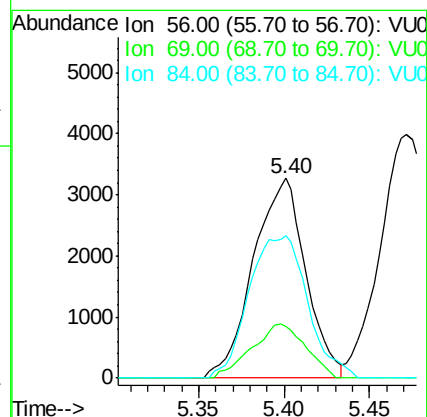
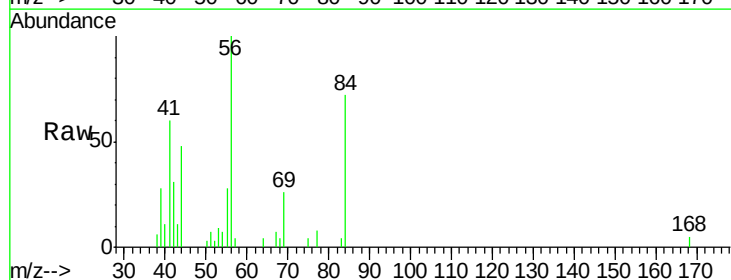
Tgt Ion: 56 Resp: 6978

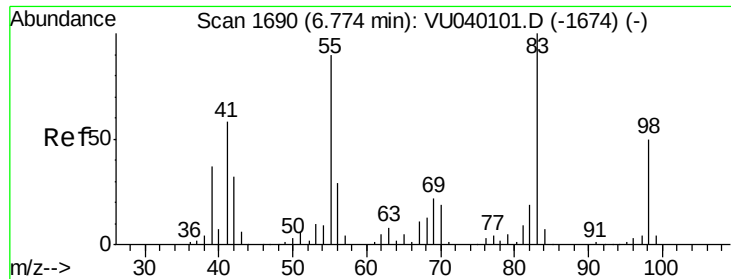
Ion Ratio Lower Upper

56 100

69 27.5 23.5 35.3

84 79.6 63.8 95.6





#20

Methylvlcyclohexane

Concen: 0.432 ug/l

RT: 6.77 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 5702

Ion Ratio Lower Upper

83 100

55 85.6 69.4 104.2

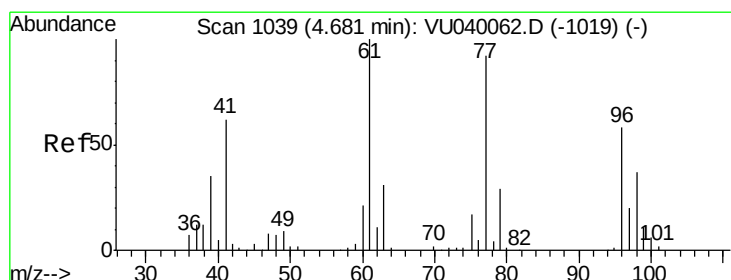
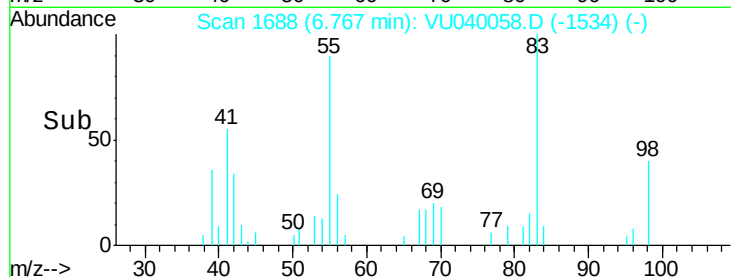
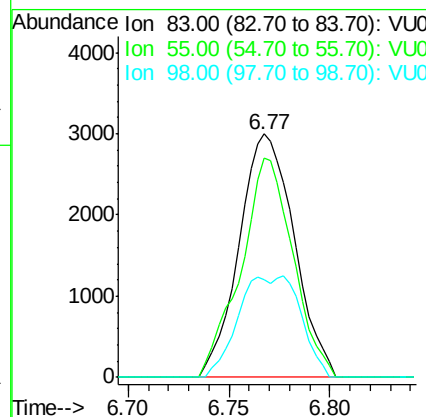
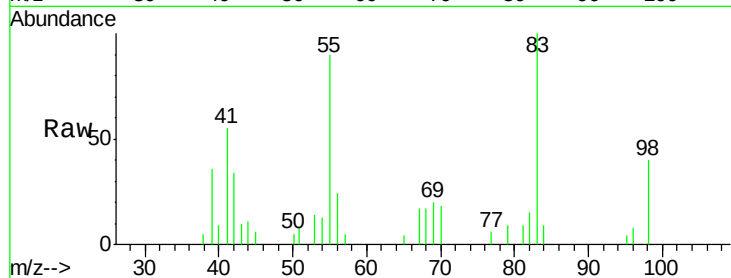
98 26.1 37.5 56.3#

Manual Integrations

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#21

2,2-Dichloropropane

Concen: 0.556 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040058.D

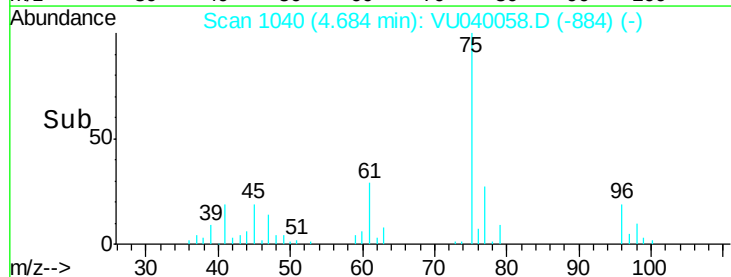
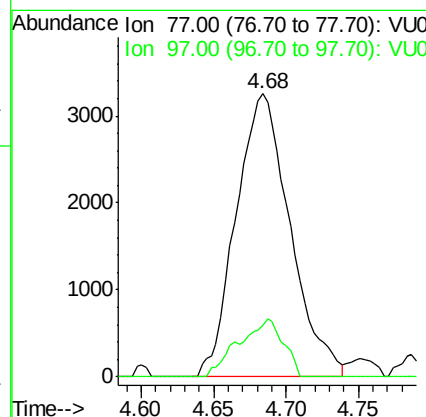
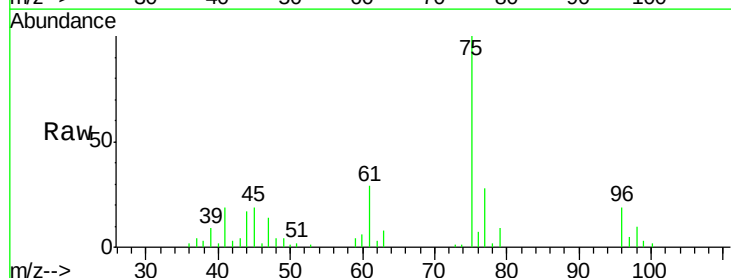
Acq: 09 Sep 2020 10:31

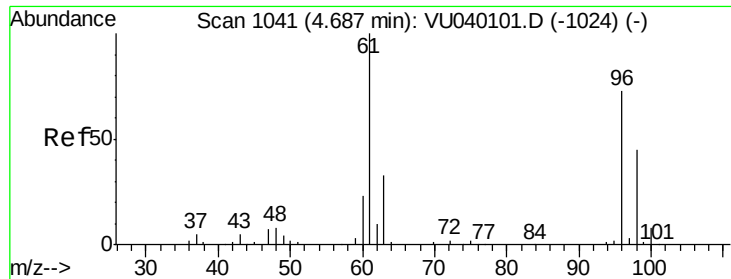
Tgt Ion: 77 Resp: 8431

Ion Ratio Lower Upper

77 100

97 16.8 16.4 24.6





#22

cis-1,2-Dichloroethene

Concen: 0.471 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

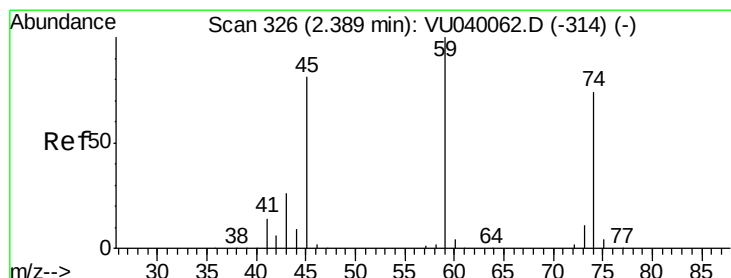
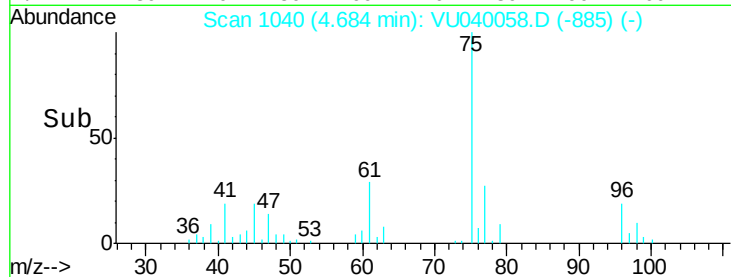
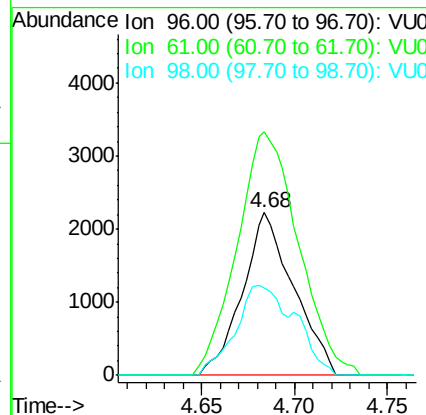
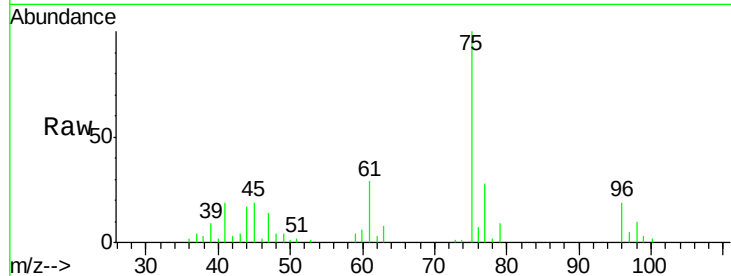
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	4269
Ion	Ratio	Lower	Upper
96	100		
61	179.5	0.0	420.0
98	64.5	31.8	95.3

Manual Integrations
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#23

Diethyl Ether

Concen: 0.412 ug/l

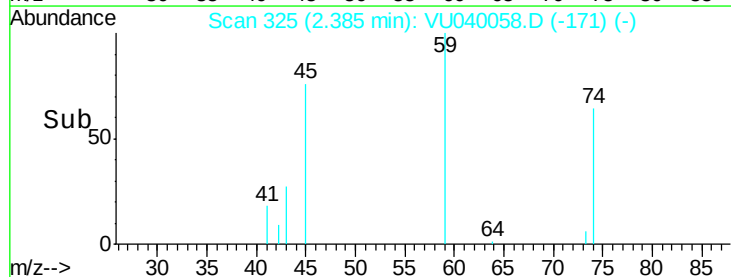
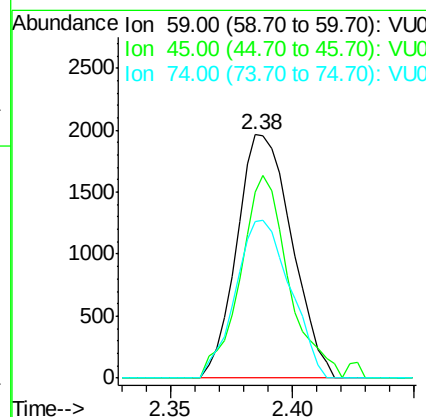
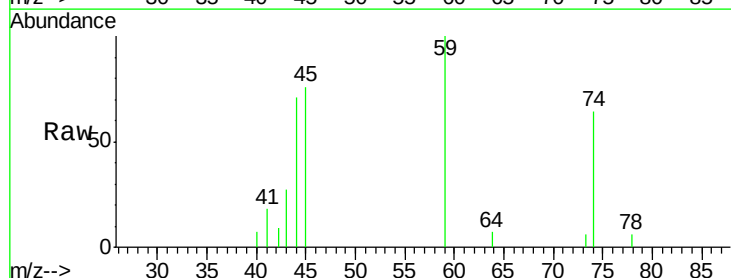
RT: 2.38 min Scan# 325

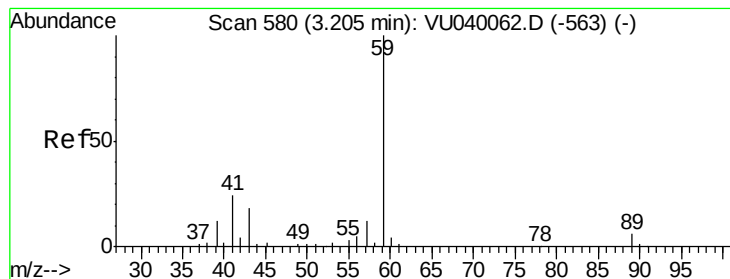
Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion:	59	Resp:	3073
Ion	Ratio	Lower	Upper
59	100		
45	72.6	62.4	93.6
74	64.5	57.7	86.5





#24

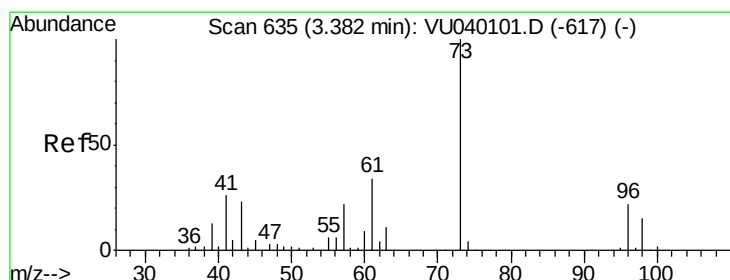
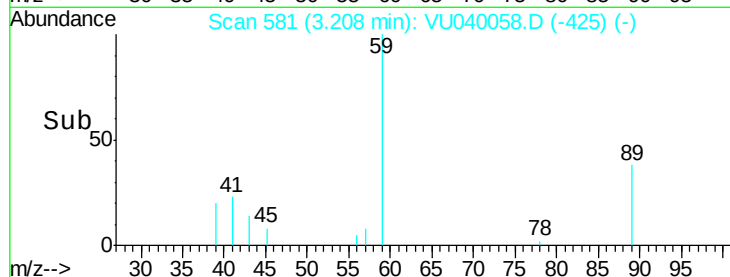
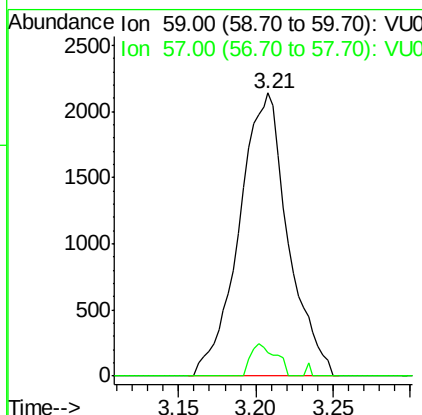
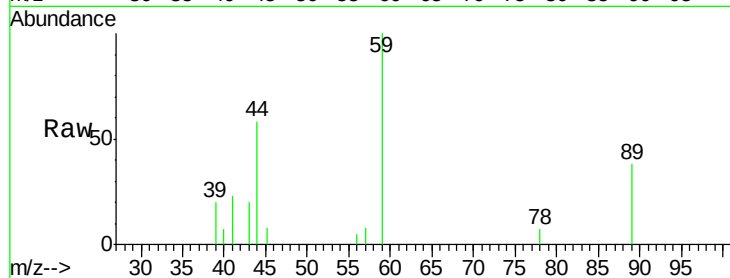
tert-Butyl Alcohol
 Concen: 3.479 ug/l
 RT: 3.21 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	59	57	Ratio	100	5.8	Resp:	4720	Lower	9.0	Upper	13.6#

Manual Integrations
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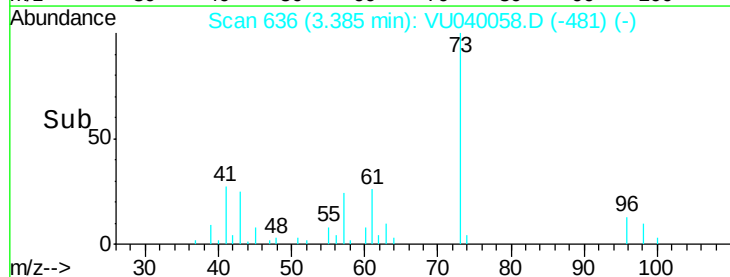
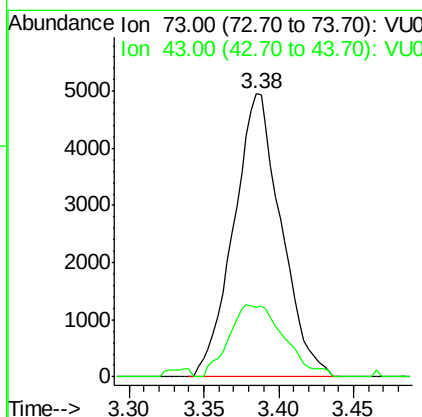
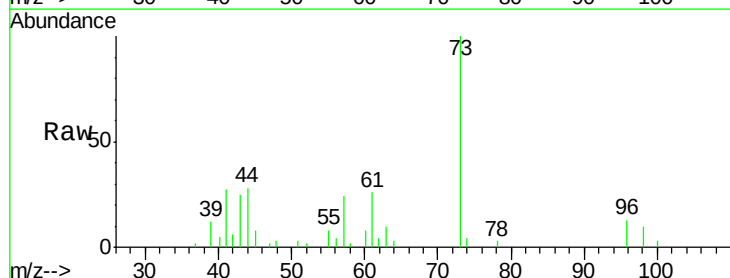
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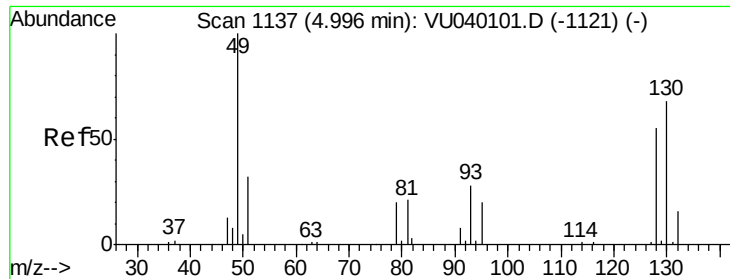


#25

Methyl tert-Butyl Ether
 Concen: 0.455 ug/l
 RT: 3.38 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion	73	43	Ratio	100	29.5	Resp:	10963	Lower	20.0	Upper	30.0





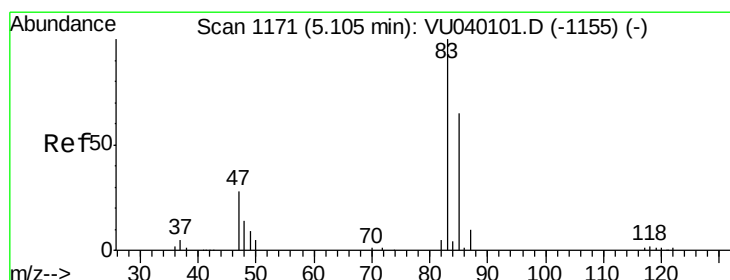
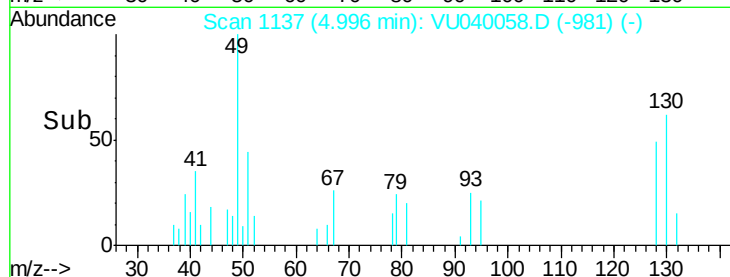
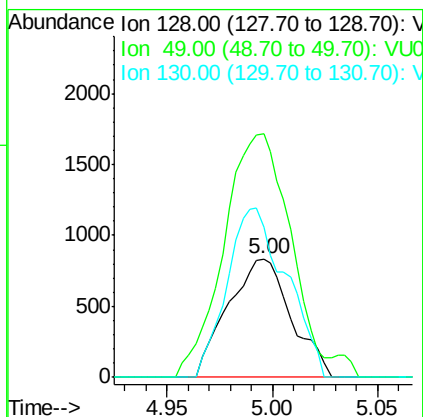
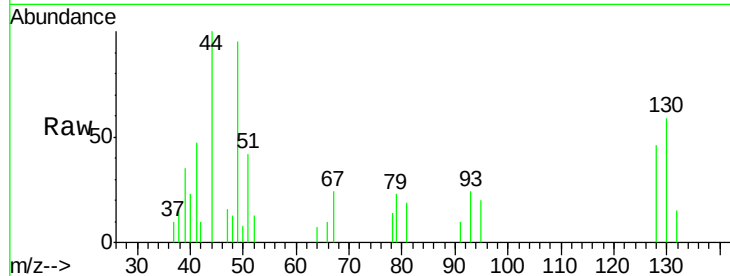
#26
Bromochloromethane
Concen: 0.462 ug/l
RT: 5.00 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:128 Resp: 1733
Ion Ratio Lower Upper
128 100
49 216.8 0.0 390.6
130 134.1 104.9 157.3

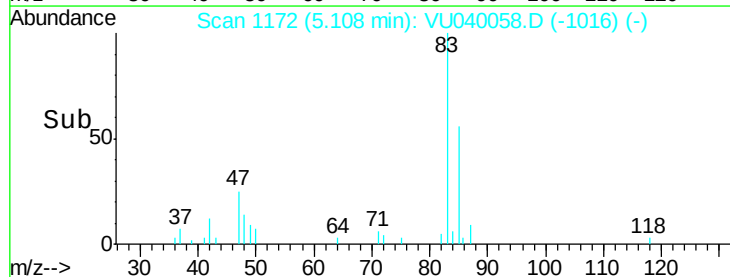
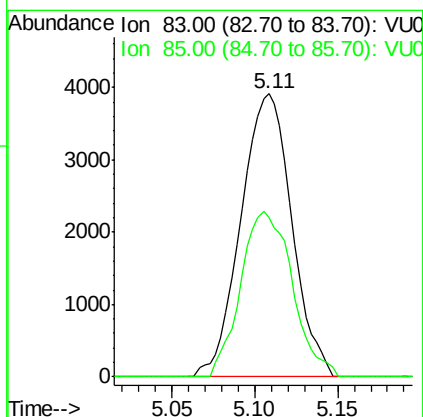
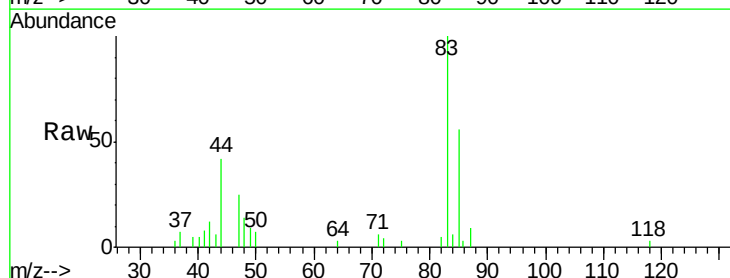
Manual Integrations
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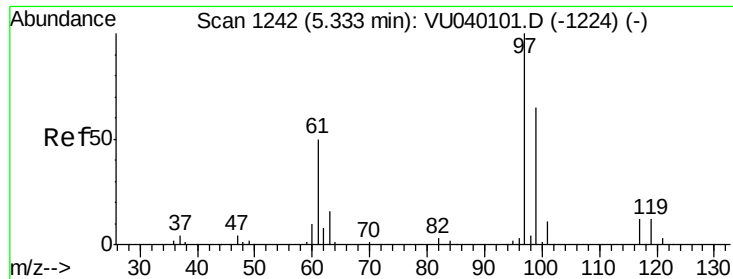
MMDadoda
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#27
Chloroform
Concen: 0.483 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 83 Resp: 8362
Ion Ratio Lower Upper
83 100
85 56.1 0.0 132.4





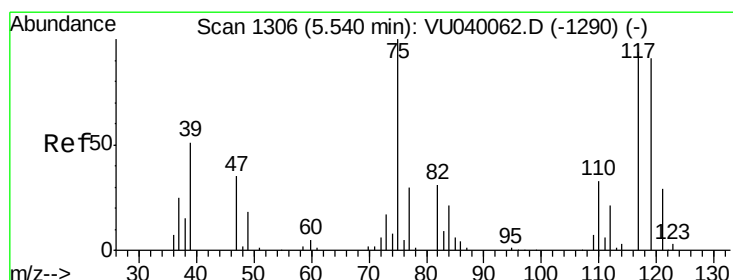
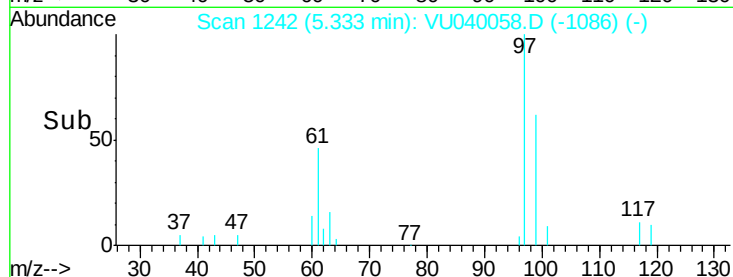
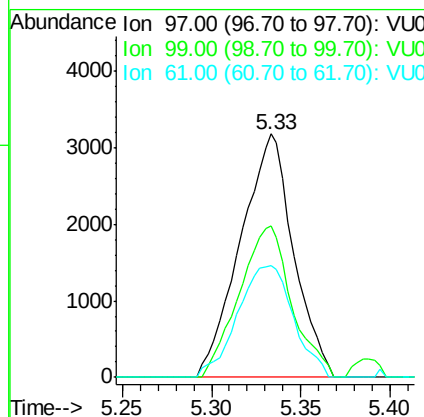
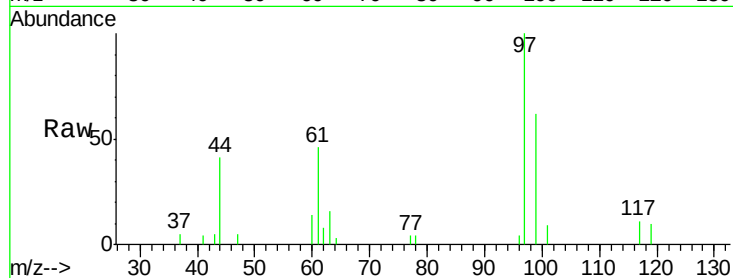
#28
 1,1,1-Trichloroethane
 Concen: 0.467 ug/l
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
99	61.5	31.8	95.4
61	48.3	25.1	75.2

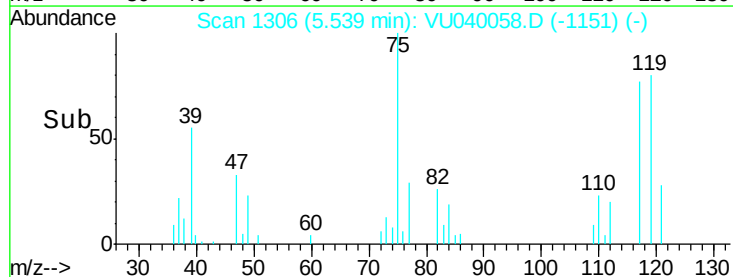
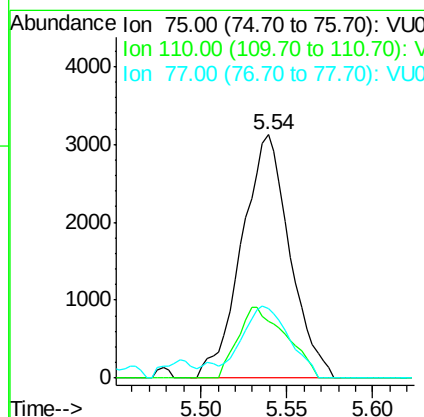
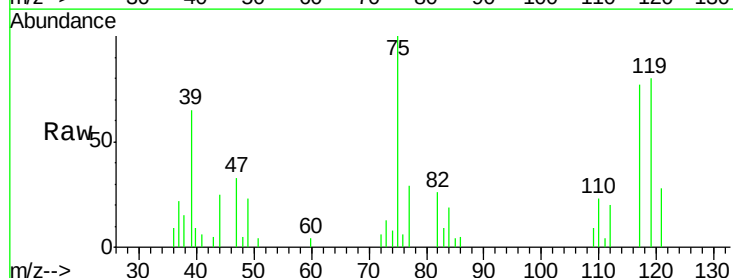
Manual Integrations
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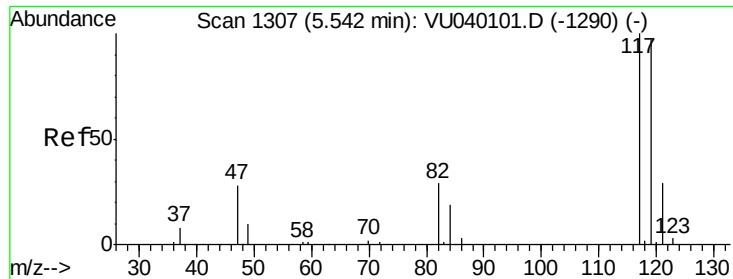
MMDadoda
 9/17/2020 4:46:47 PM



#29
 1,1-Dichloropropene
 Concen: 0.452 ug/l
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.2	16.2	48.6
77	28.9	25.3	37.9





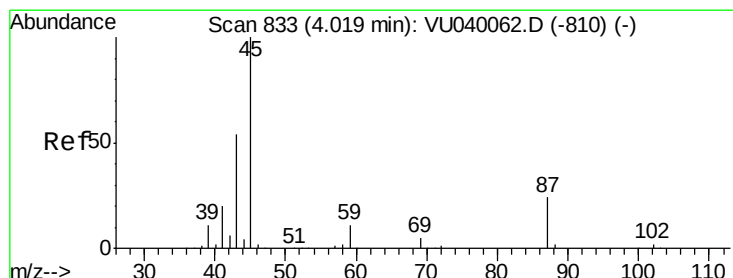
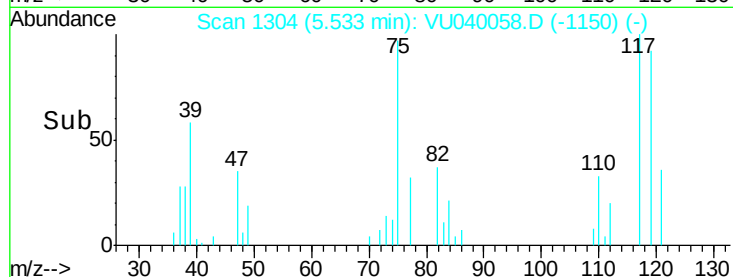
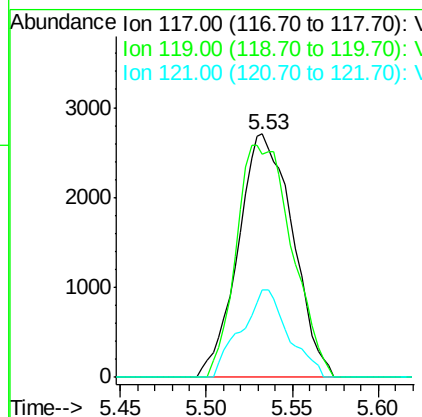
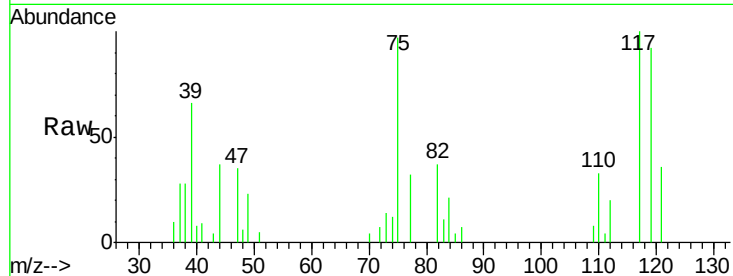
#30
Carbon Tetrachloride
Concen: 0.506 ug/l
RT: 5.53 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 5956
Ion Ratio Lower Upper
117 100
119 91.9 77.0 115.4
121 36.0 24.2 36.4

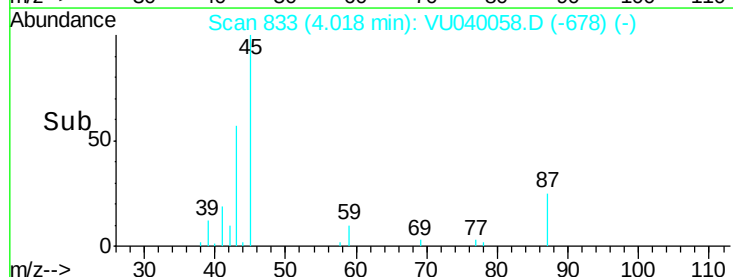
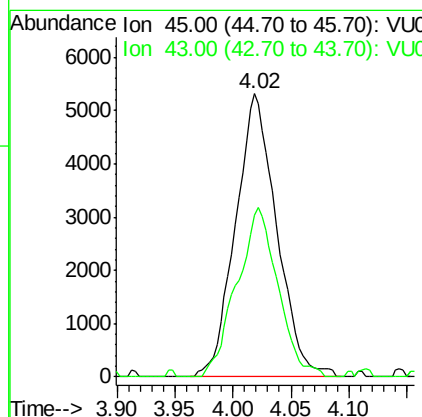
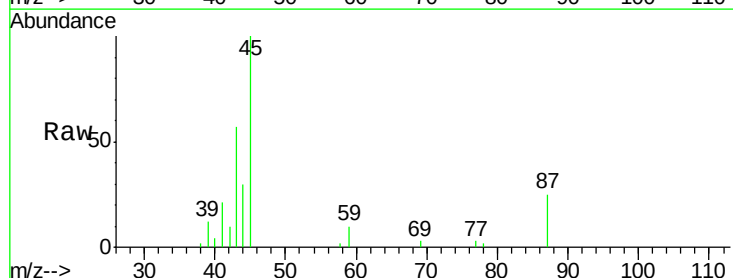
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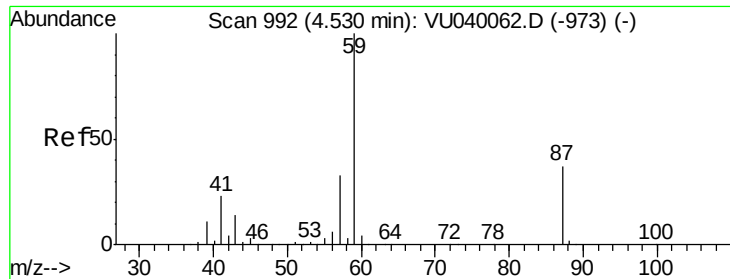
MMDadoda
9/17/2020 4:46:47 PM



#31
Isopropyl Ether
Concen: 0.395 ug/l
RT: 4.02 min Scan# 833
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 45 Resp: 13086
Ion Ratio Lower Upper
45 100
43 60.0 27.9 83.7





#32

Ethyl-t-butyl ether

Concen: 0.417 ug/l

RT: 4.53 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion: 59 Resp: 11857

Ion Ratio Lower Upper

59 100

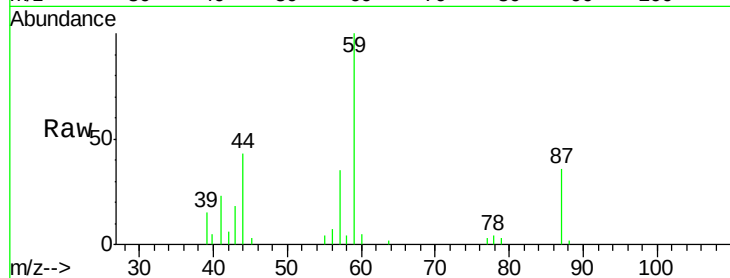
87 21.7 30.7 46.1#

Manual Integrations

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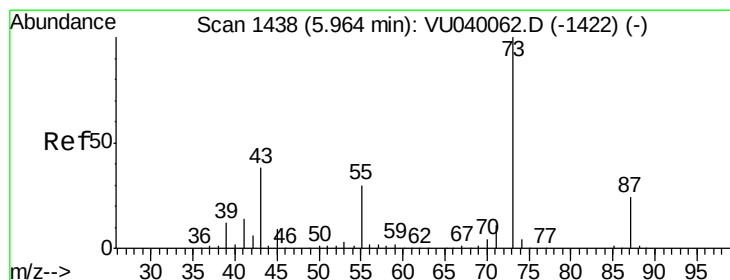
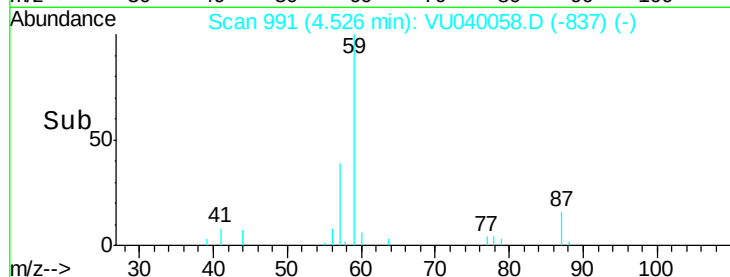
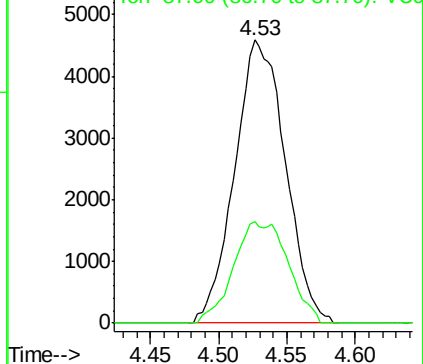
MMDadoda

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

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



#33

Tert-Amyl methyl ether

Concen: 0.465 ug/l

RT: 5.97 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

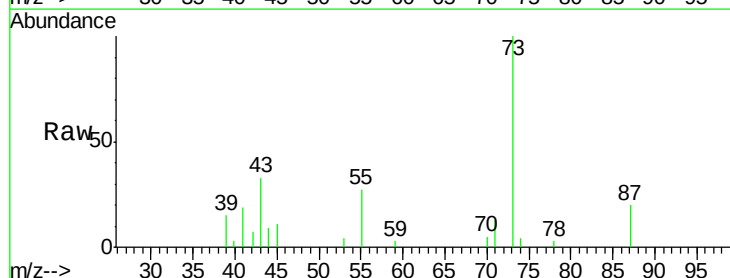
Tgt Ion: 73 Resp: 9802

Ion Ratio Lower Upper

73 100

87 14.0 19.4 29.0#

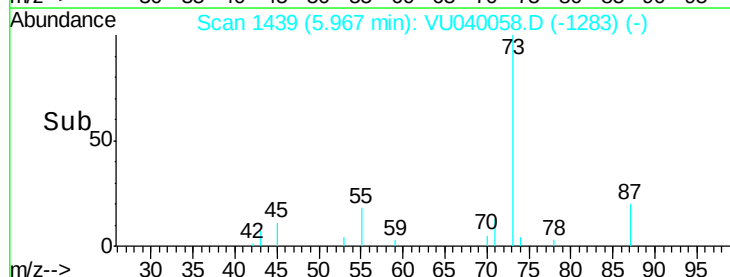
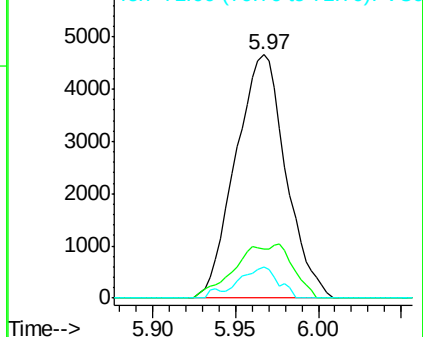
71 7.8 9.2 13.8#

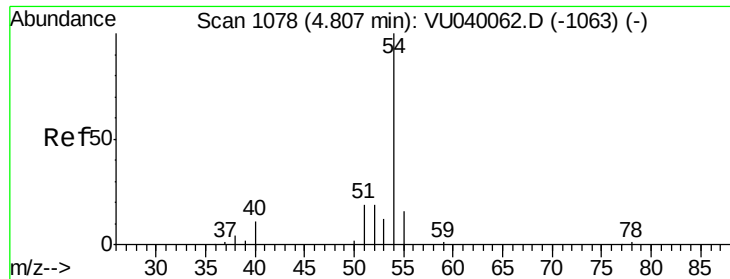


Abundance Ion 73.00 (72.70 to 73.70): VU040062.D (-1422) (-)

Ion 87.00 (86.70 to 87.70): VU040062.D (-1422) (-)

Ion 71.00 (70.70 to 71.70): VU040062.D (-1422) (-)





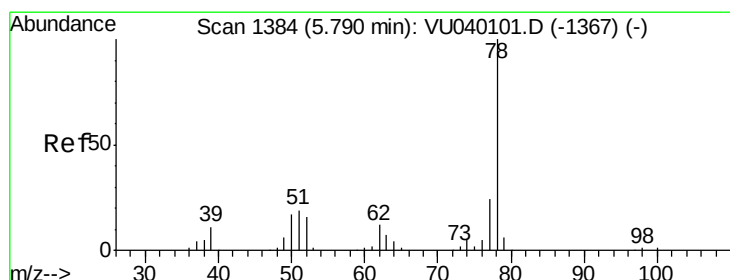
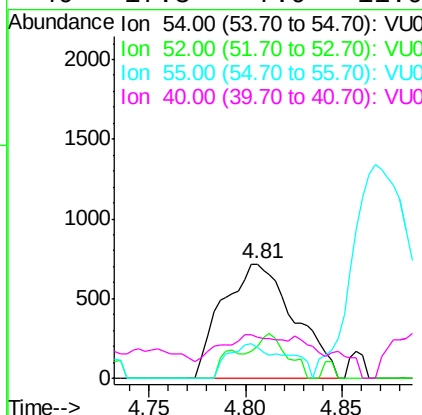
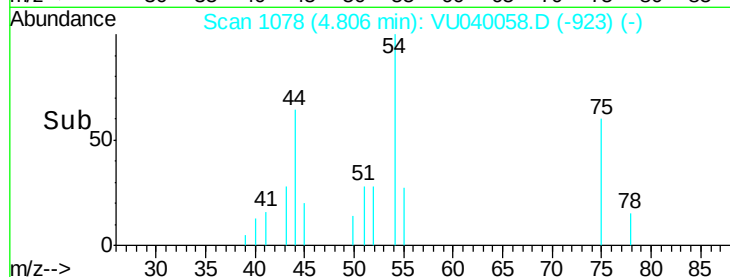
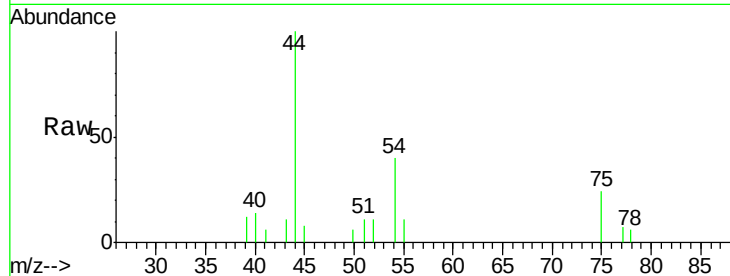
#34
 Propionitrile
 Concen: 1.856 ug/l
 RT: 4.81 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	54	Resp:	1853
Ion	Ratio	Lower	Upper
54	100		
52	17.6	16.2	24.4
55	24.5	12.6	18.8#
40	17.3	7.9	11.9#

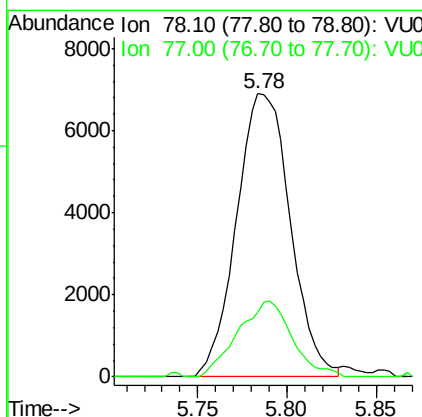
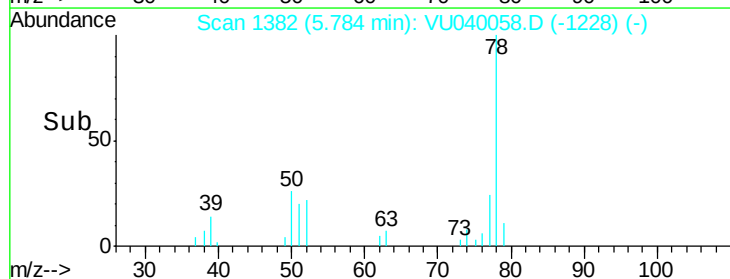
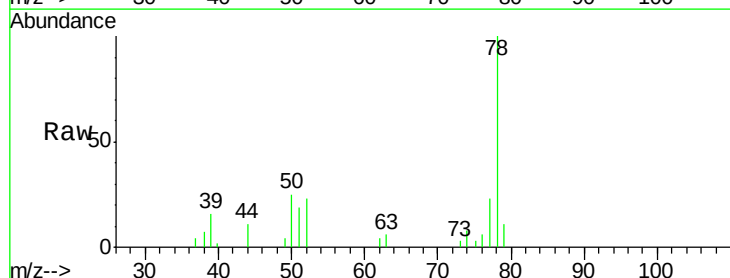
Manual Integrations
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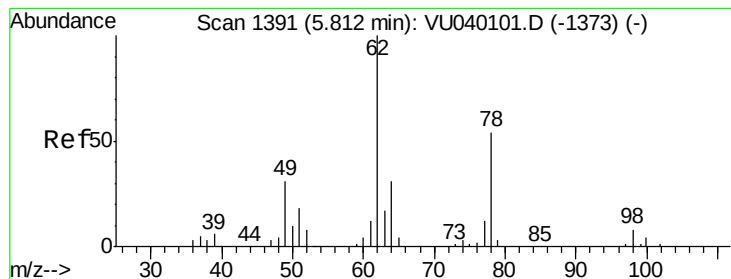
MMDadoda
 9/17/2020 4:46:47 PM



#35
 Benzene
 Concen: 0.429 ug/l
 RT: 5.78 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion:	78	Resp:	14508
Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7





#36

1,2-Dichloroethane

Concen: 0.514 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 6528

Ion Ratio Lower Upper

62 100

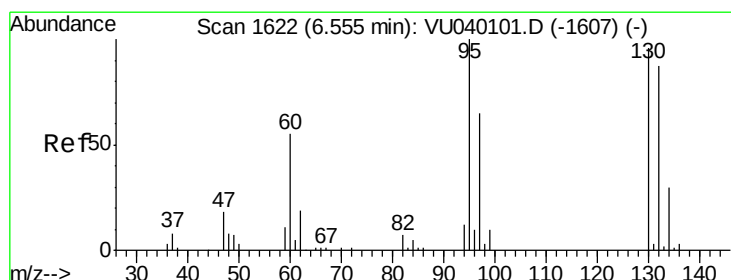
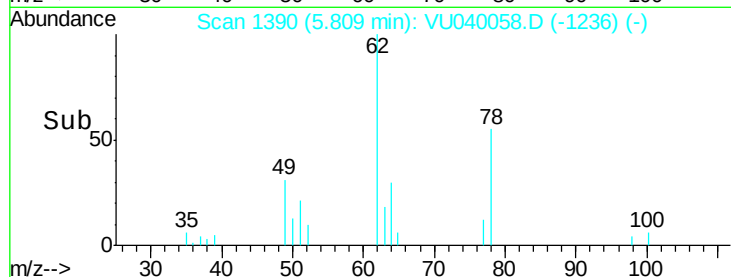
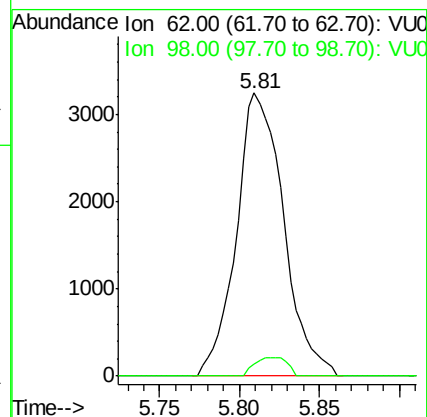
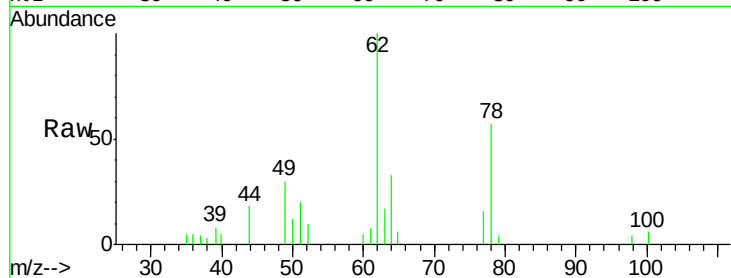
98 4.5 6.5 9.7#

Manual Integrations

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#37

Trichloroethene

Concen: 0.517 ug/l

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040058.D

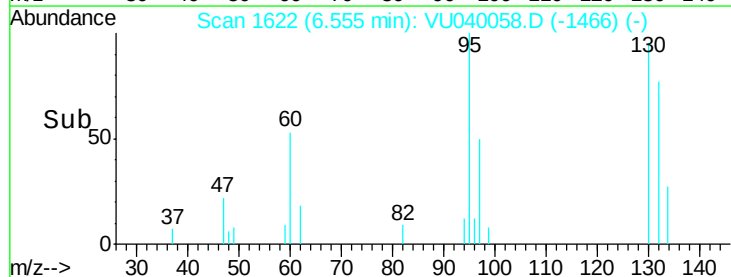
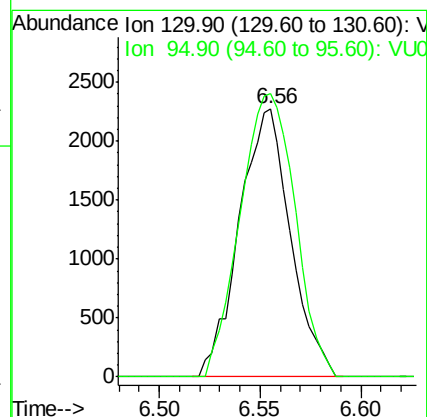
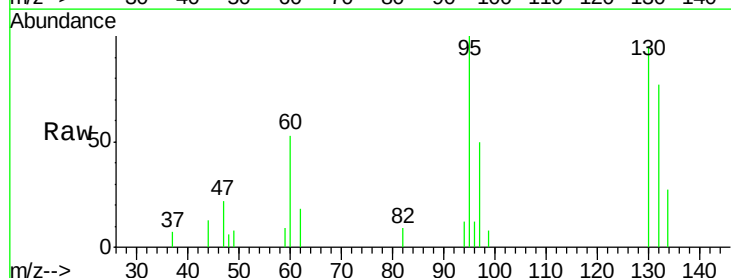
Acq: 09 Sep 2020 10:31

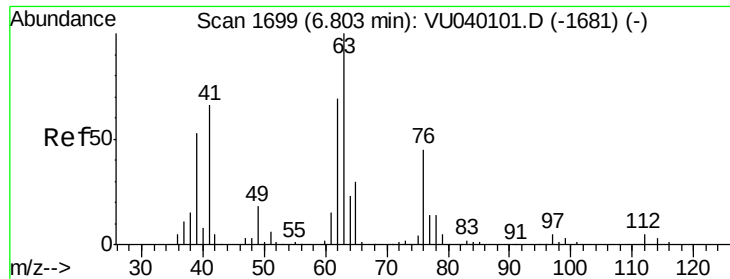
Tgt Ion: 130 Resp: 4043

Ion Ratio Lower Upper

130 100

95 105.5 84.2 126.2





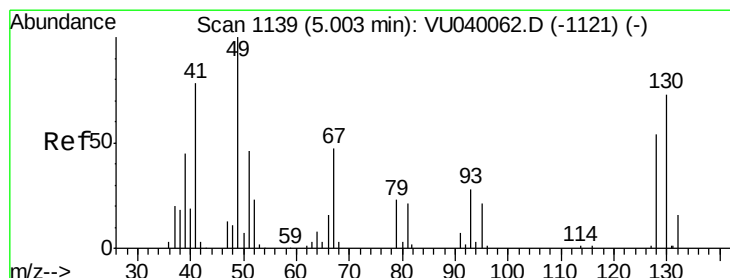
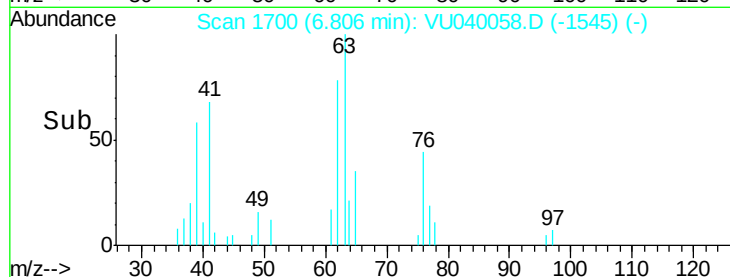
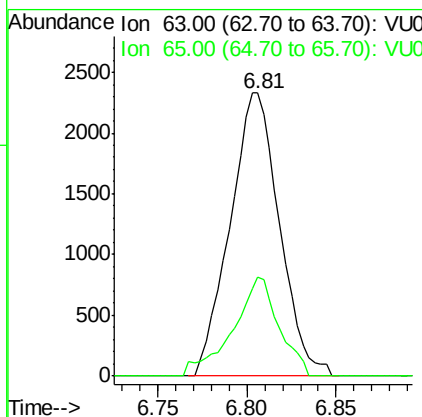
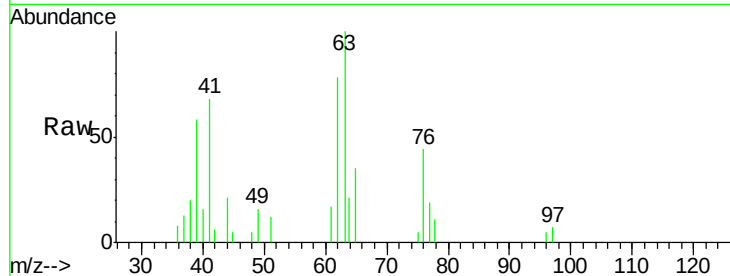
#38
 1,2-Dichloropropane
 Concen: 0.484 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 63 Resp: 4501
 Ion Ratio Lower Upper
 63 100
 65 35.2 23.0 34.6#

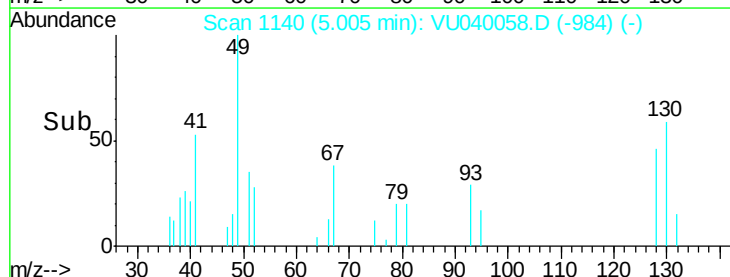
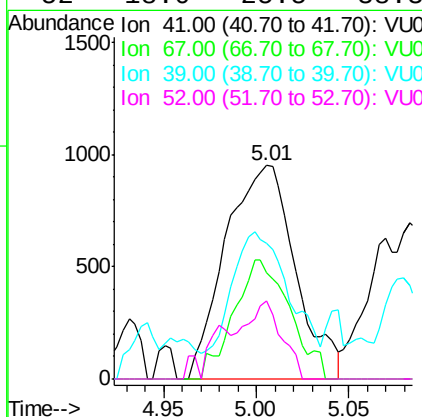
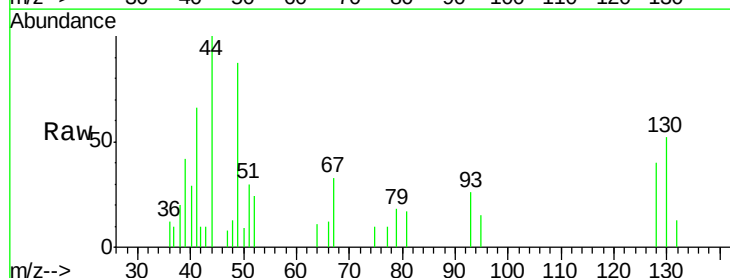
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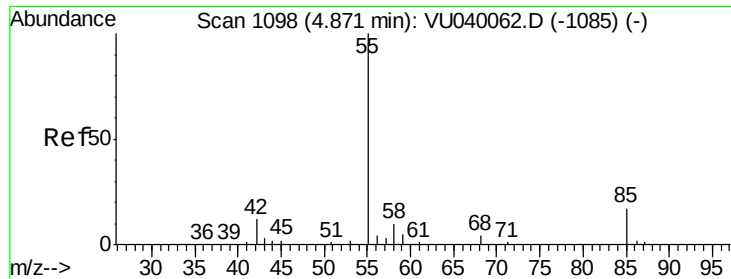
MMDadoda
 9/17/2020 4:46:47 PM



#39
 Methacrylonitrile
 Concen: 0.472 ug/l
 RT: 5.01 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion: 41 Resp: 2500
 Ion Ratio Lower Upper
 41 100
 67 44.5 49.2 73.8#
 39 43.4 46.5 69.7#
 52 18.0 25.5 38.3#





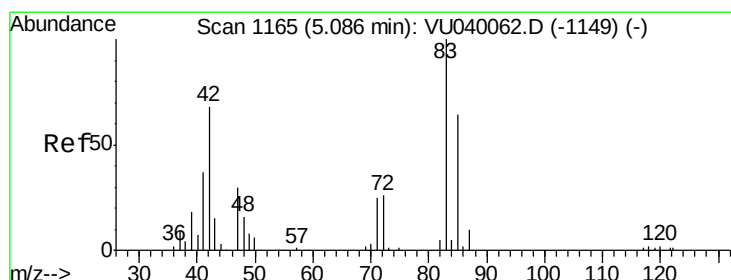
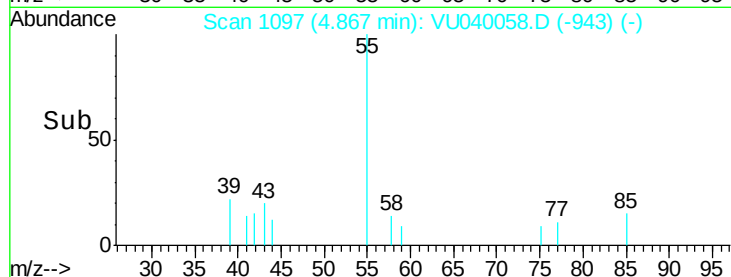
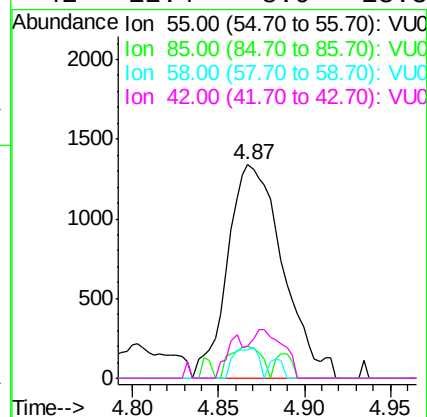
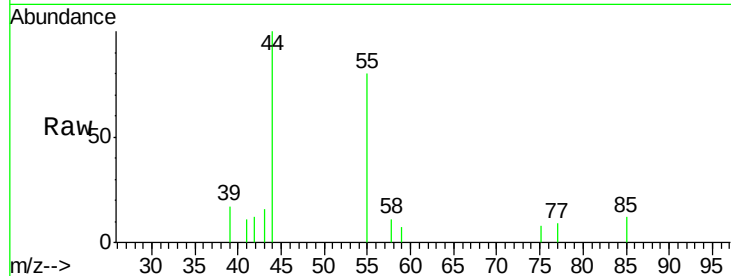
#40
Methvl acrylate
Concen: 0.441 ug/l
RT: 4.87 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
55	100		
85	8.5	13.3	19.9#
58	6.4	7.5	11.3#
42	12.4	8.9	13.3

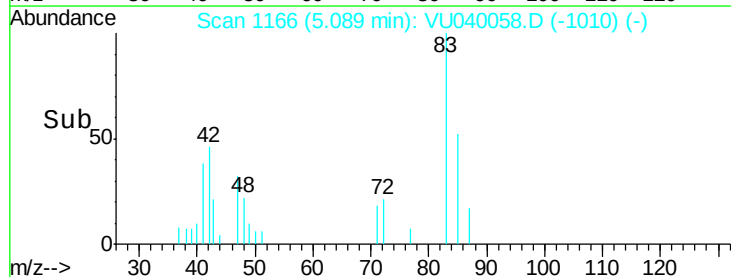
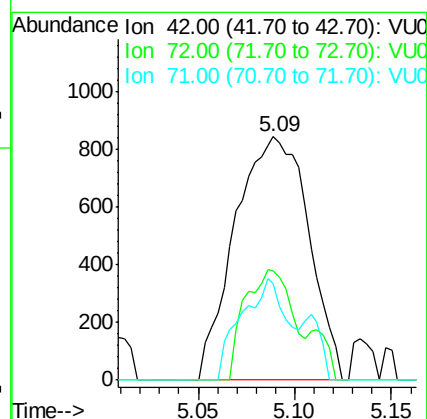
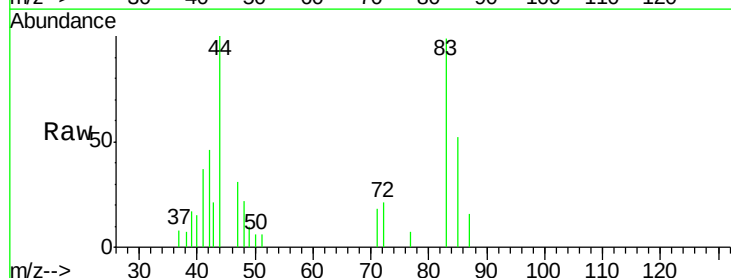
Manual Integrations
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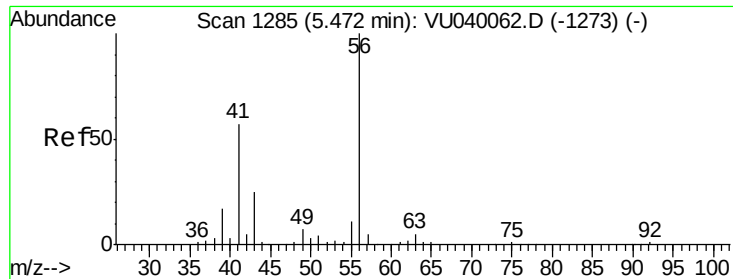
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#41
Tetrahydrofuran
Concen: 0.841 ug/l
RT: 5.09 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
42	100		
72	29.1	33.8	50.6#
71	26.4	30.9	46.3#





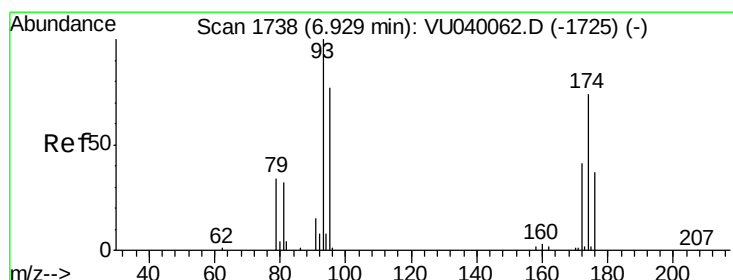
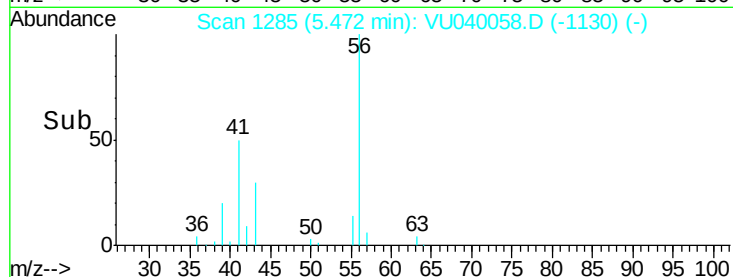
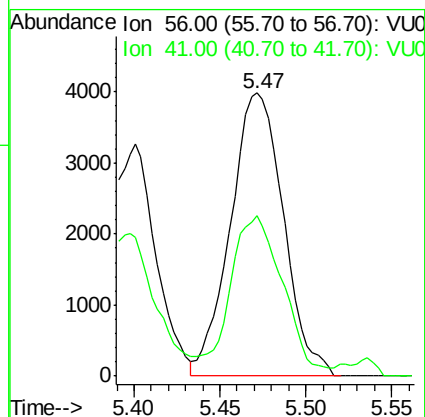
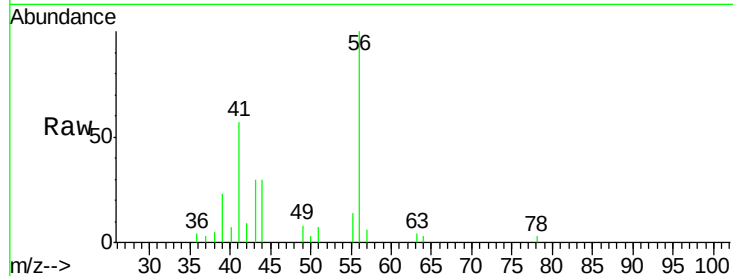
#42
1-Chlorobutane
Concen: 0.408 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion: 56 Resp: 8533
Ion Ratio Lower Upper
56 100
41 55.7 29.2 87.6

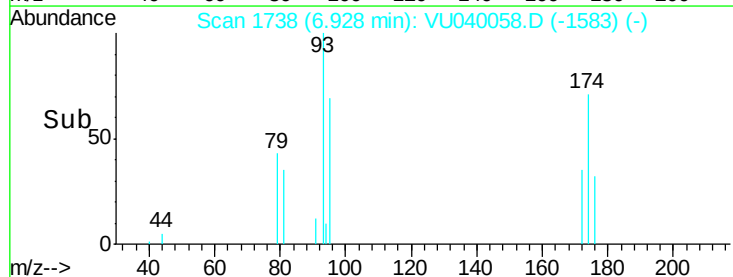
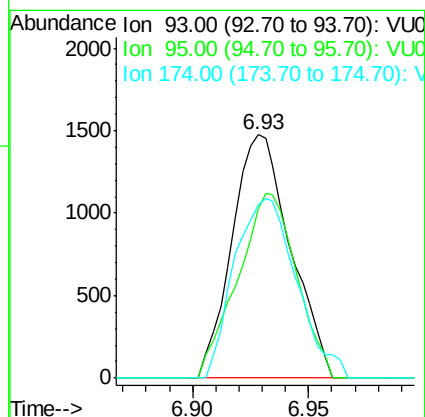
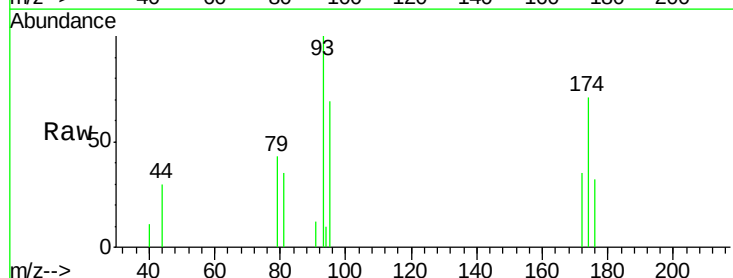
Manual Integrations
APPROVED

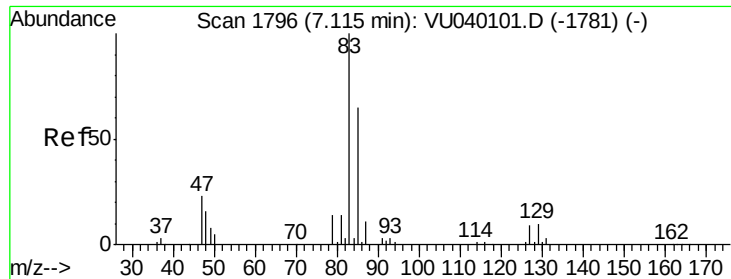
MMDadoda
9/17/2020 4:46:47 PM



#43
Dibromomethane
Concen: 0.509 ug/l
RT: 6.93 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 93 Resp: 2584
Ion Ratio Lower Upper
93 100
95 76.5 63.3 94.9
174 78.5 63.5 95.3





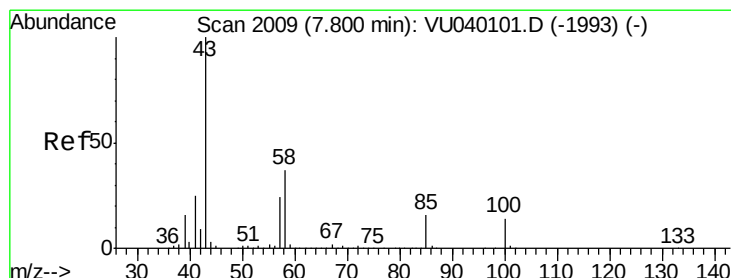
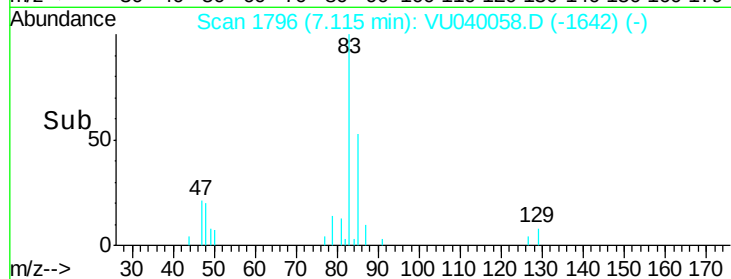
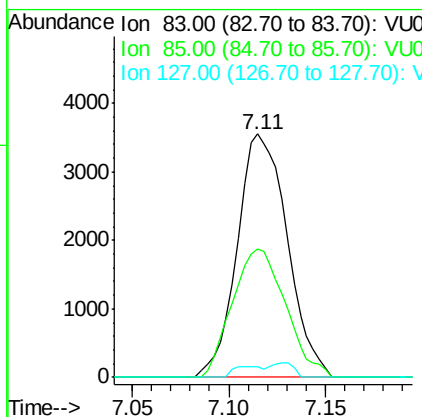
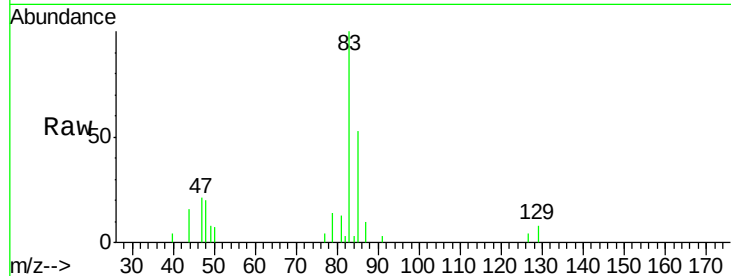
#44
 Bromodichloromethane
 Concen: 0.550 ug/l
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	83	Resp	6387
Ion Ratio	100	Lower	Upper
83	100		
85	52.8	52.1	78.1
127	4.3	6.6	9.8#

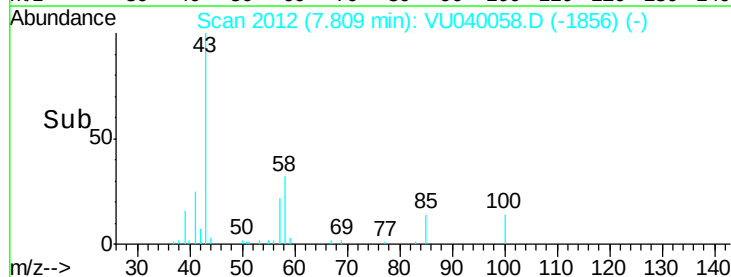
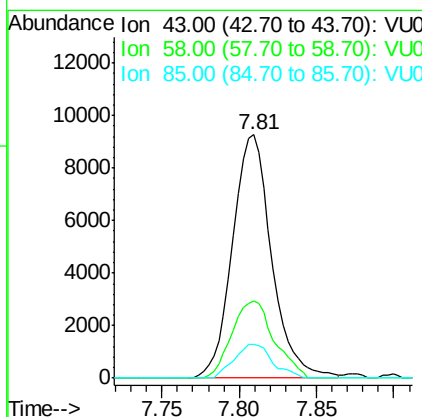
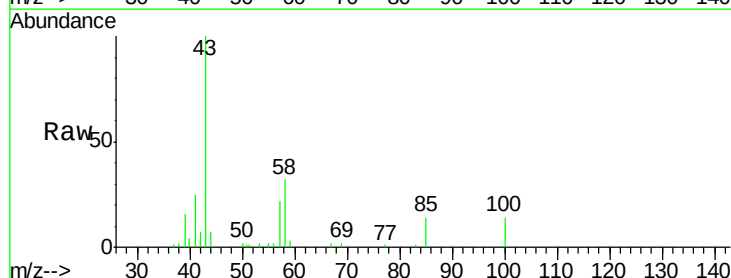
Manual Integrations
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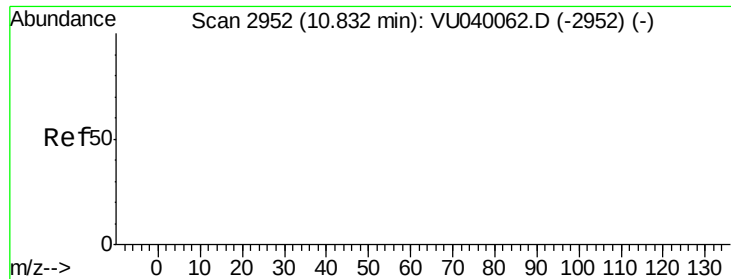
MMDadoda
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#45
 4-Methyl-2-Pentanone
 Concen: 2.157 ug/l
 RT: 7.81 min Scan# 2012
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion	43	Resp	16302
Ion Ratio	100	Lower	Upper
43	100		
58	34.0	18.1	54.3
85	13.5	12.3	18.5





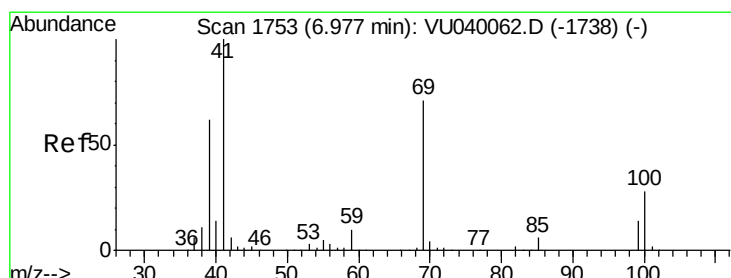
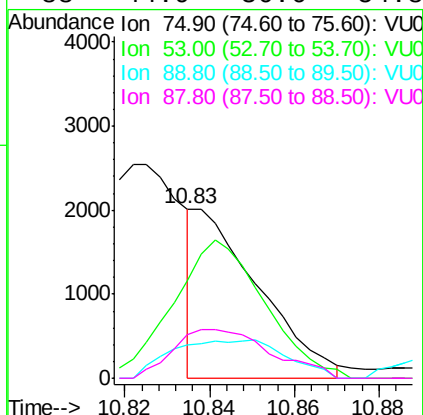
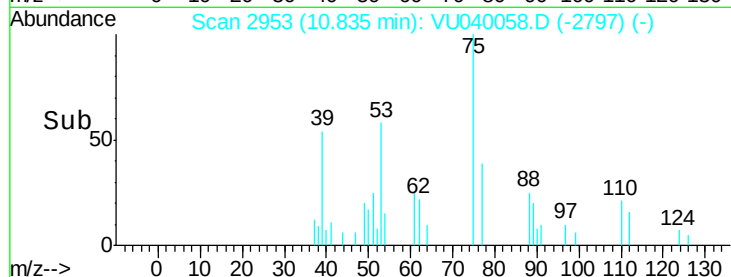
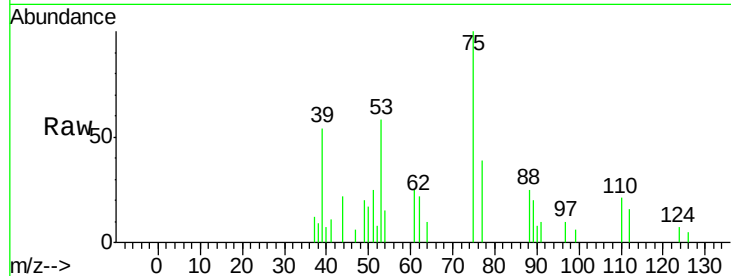
#46
t-1,4-Dichloro-2-butene
Concen: 0.869 ug/l m
RT: 10.83 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.7	75.0	112.6#
89	41.4	41.6	62.4#
88	44.9	36.6	54.8

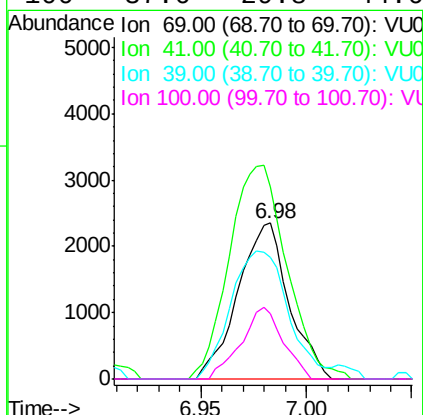
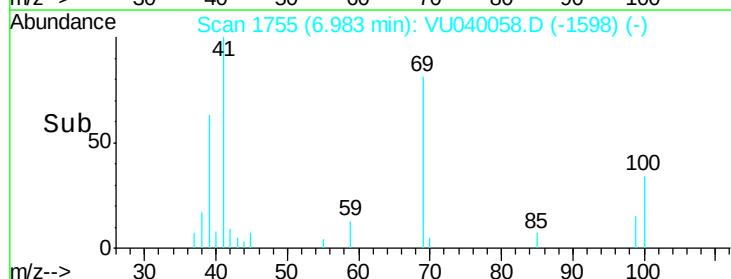
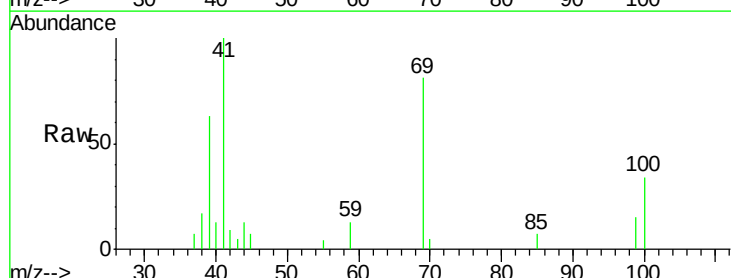
Manual Integrations
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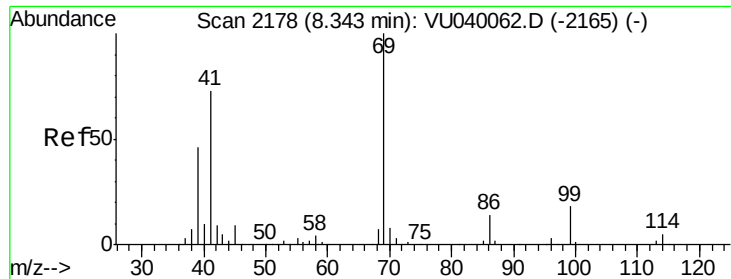
MMDadoda
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#47
Methyl methacrylate
Concen: 0.846 ug/l
RT: 6.98 min Scan# 1755
Delta R.T. 0.01 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	154.7	0.0	273.0
39	92.3	67.8	101.6
100	37.6	29.8	44.6





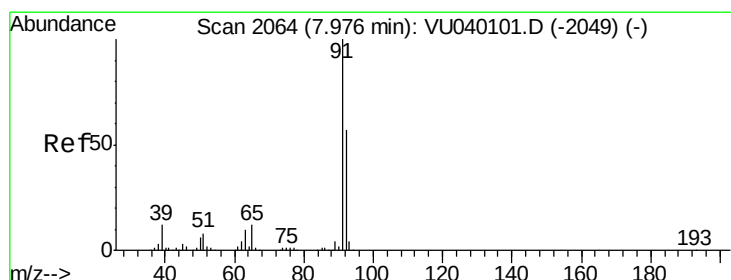
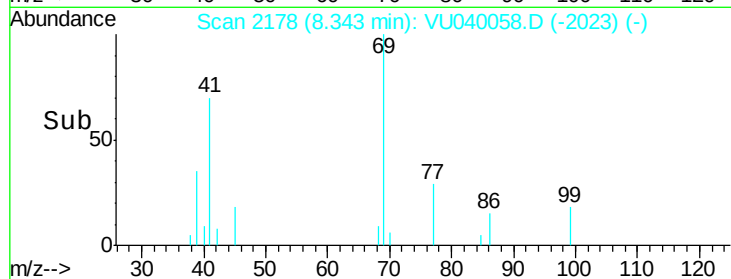
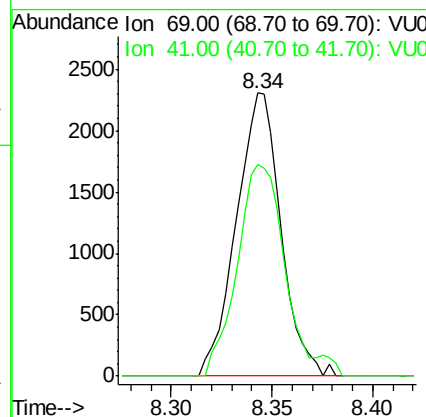
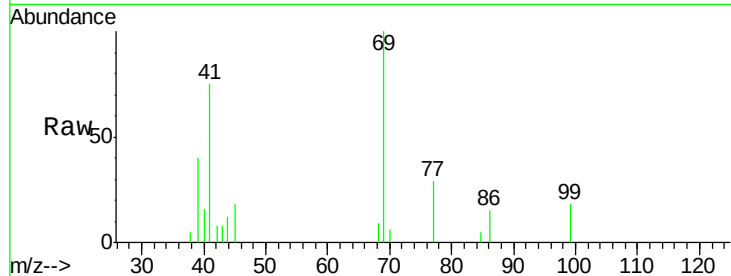
#48
Ethyl methacrylate
Concen: 0.415 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 69 Resp: 3562
Ion Ratio Lower Upper
69 100
41 80.8 37.8 113.3

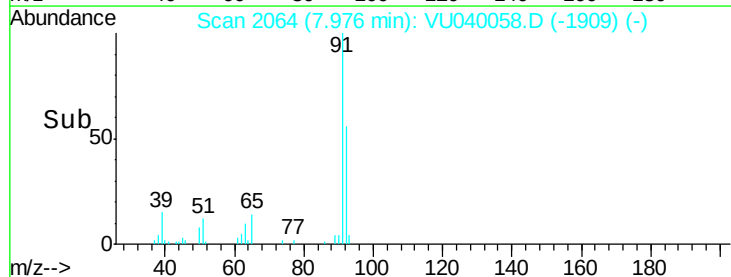
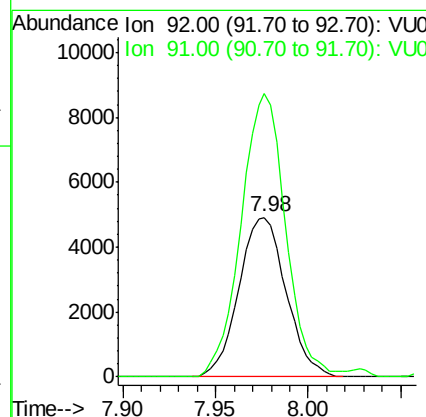
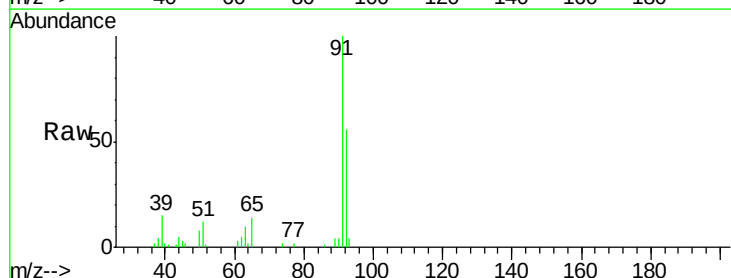
Manual Integrations
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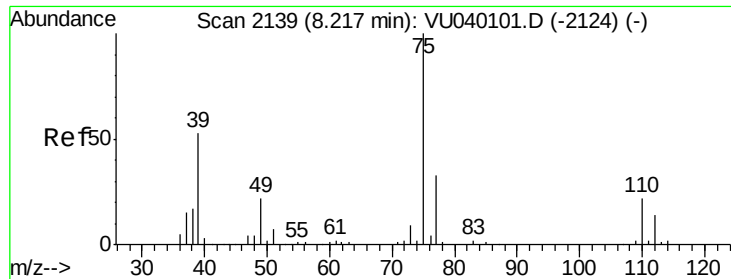
MMDadoda
9/17/2020 4:46:47 PM



#49
Toluene
Concen: 0.434 ug/l
RT: 7.98 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion: 92 Resp: 8678
Ion Ratio Lower Upper
92 100
91 167.2 138.6 207.8





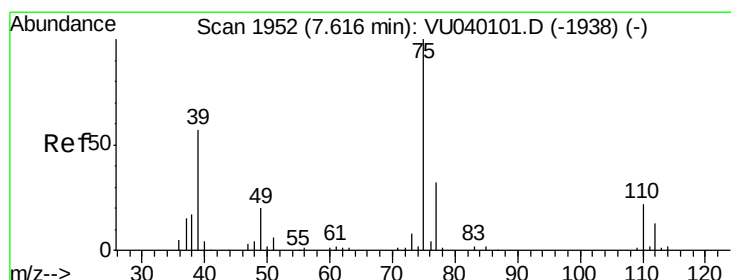
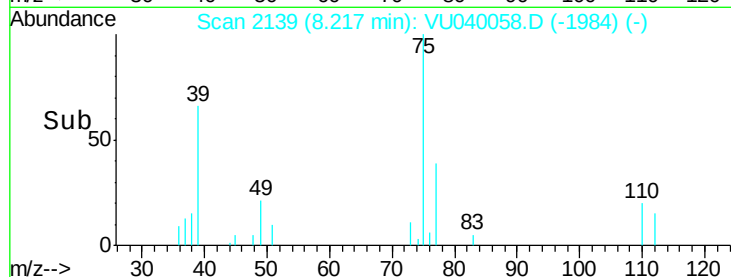
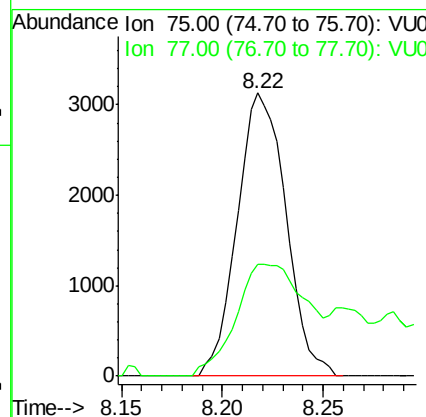
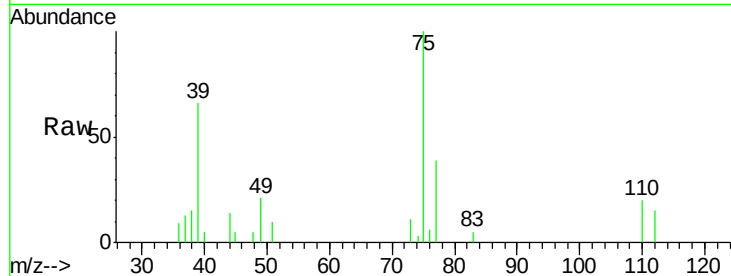
#50
 t-1,3-Dichloropropene
 Concen: 0.508 ug/l
 RT: 8.22 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 75 Resp: 5309
 Ion Ratio Lower Upper
 75 100
 77 39.3 24.4 36.6#

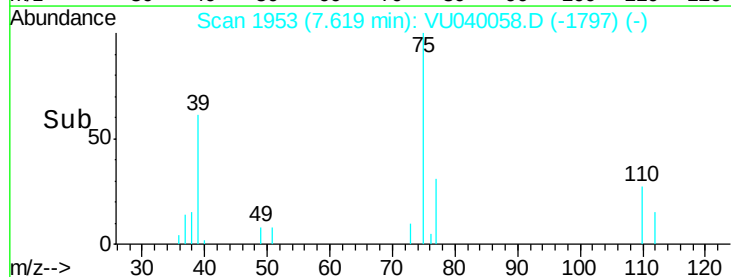
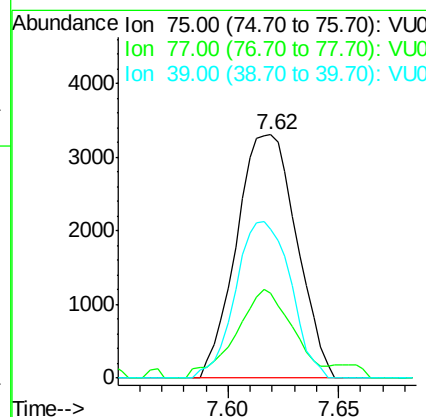
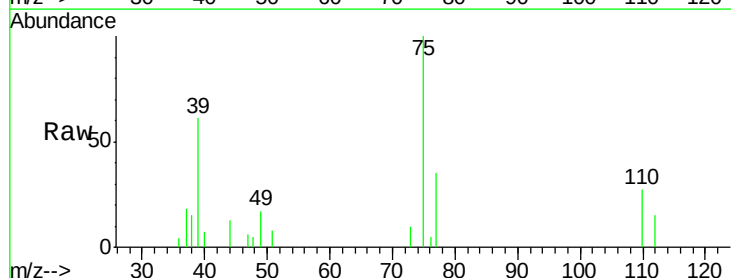
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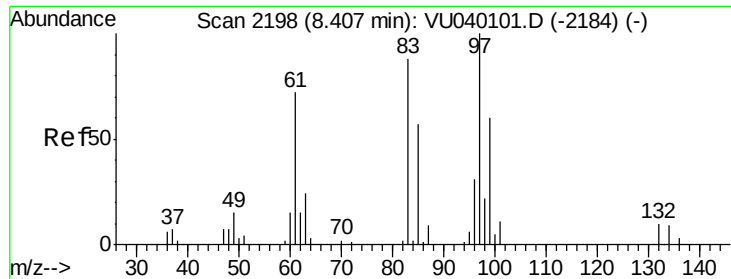
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 9/17/2020 4:46:47 PM



#51
 cis-1,3-Dichloropropene
 Concen: 0.509 ug/l
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion: 75 Resp: 6235
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 37.0
 39 61.2 46.2 69.4





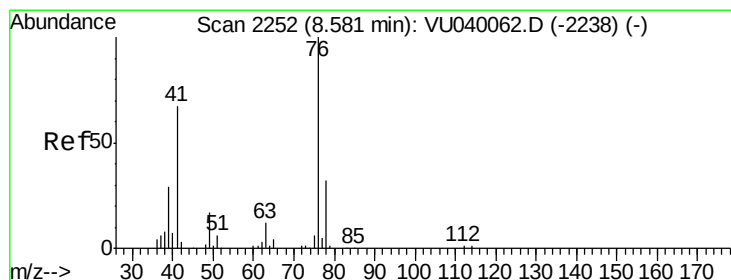
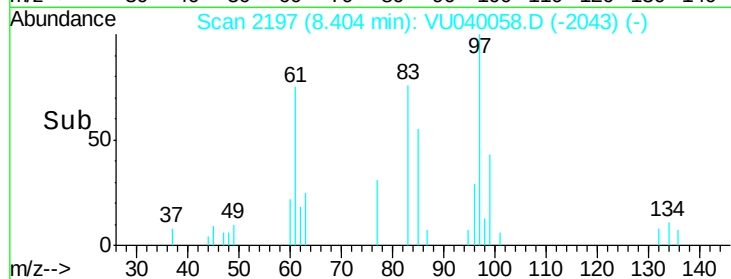
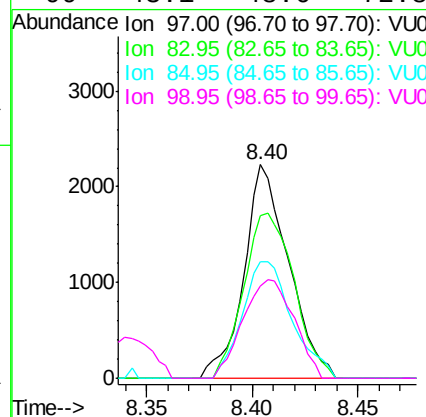
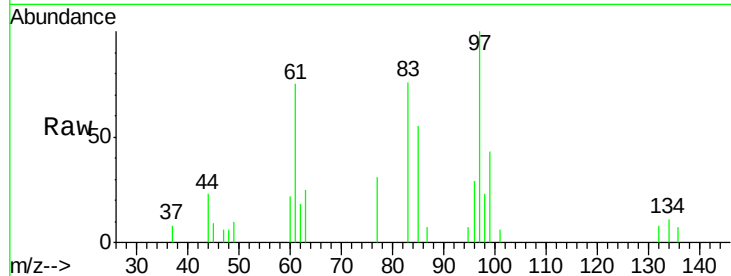
#52
 1,1,2-Trichloroethane
 Concen: 0.498 ug/l
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
83	76.4	68.7	103.1
85	54.7	46.7	70.1
99	43.1	48.6	72.8#

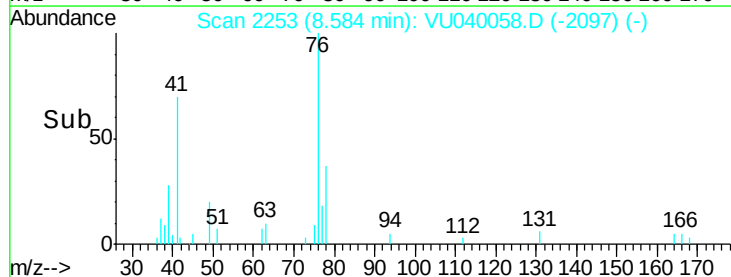
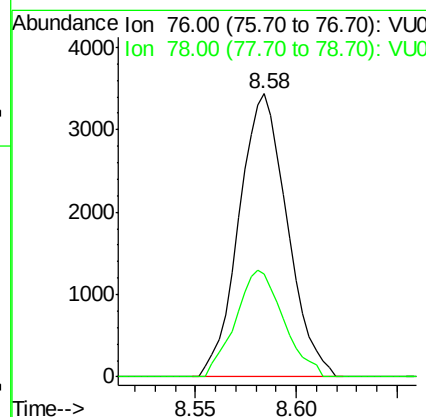
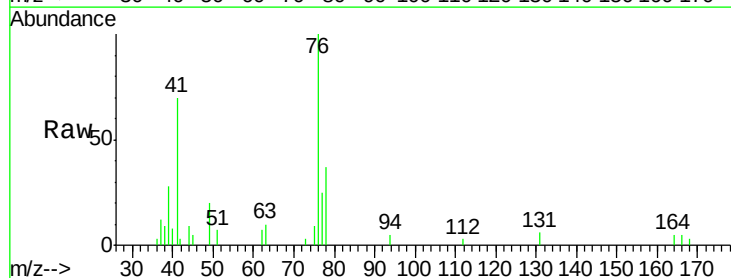
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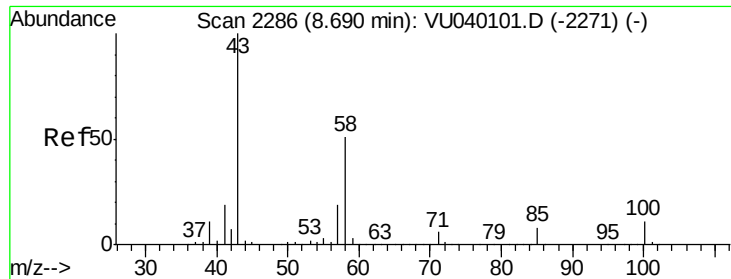
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#53
 1,3-Dichloropropane
 Concen: 0.460 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
76	100		
78	37.4	26.2	39.2





#54

2-Hexanone

Concen: 2.337 ug/l

RT: 8.69 min Scan# 2287

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

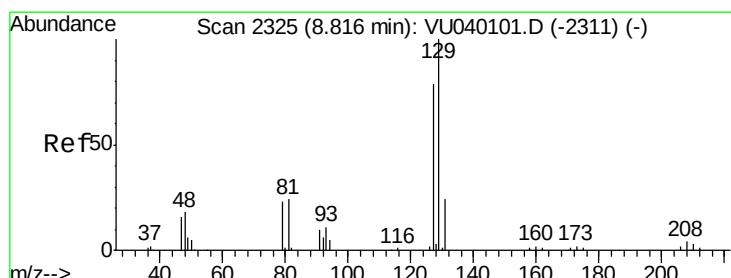
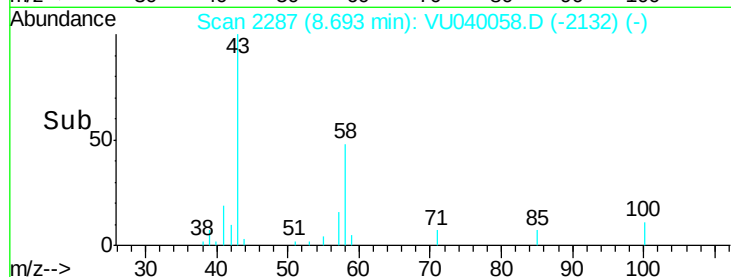
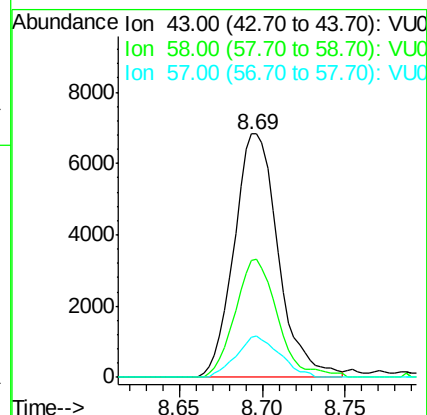
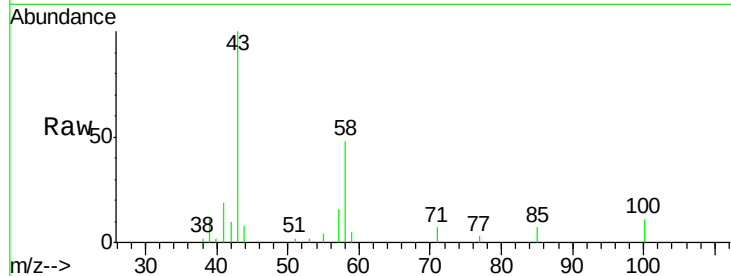
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	12651
Ion	Ratio	Lower	Upper
43	100		
58	46.7	29.6	69.6
57	16.6	0.0	37.8

Manual Integrations
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#55

Dibromochloromethane

Concen: 0.502 ug/l

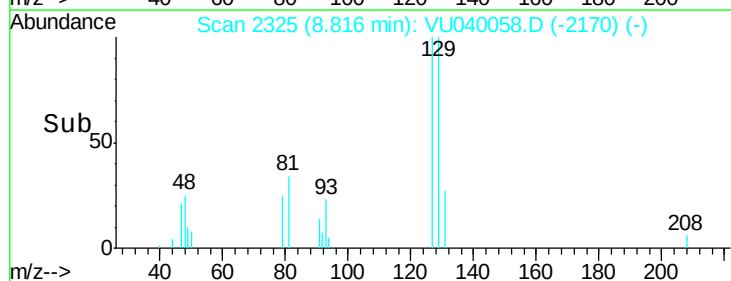
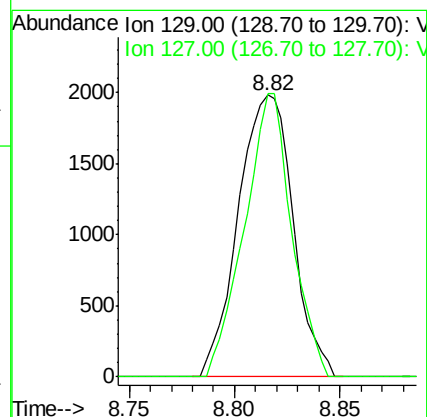
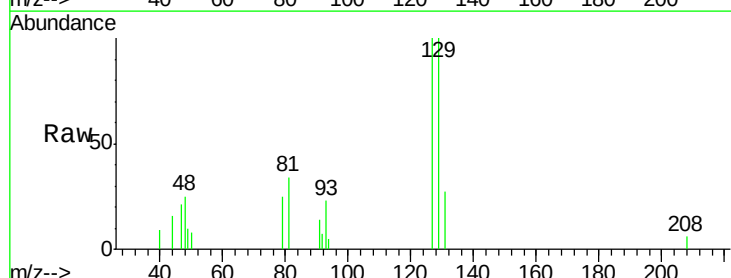
RT: 8.82 min Scan# 2325

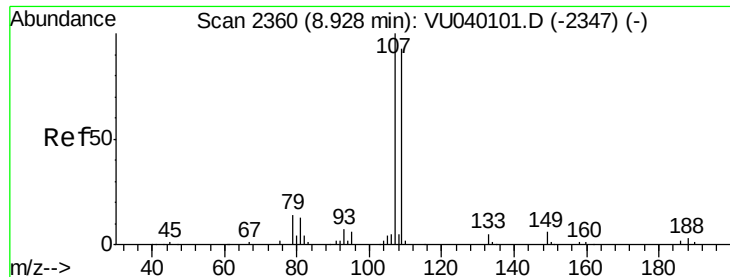
Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion:	129	Resp:	3575
Ion	Ratio	Lower	Upper
129	100		
127	86.6	62.7	94.1





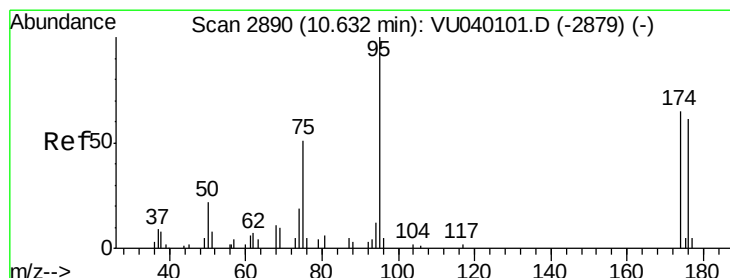
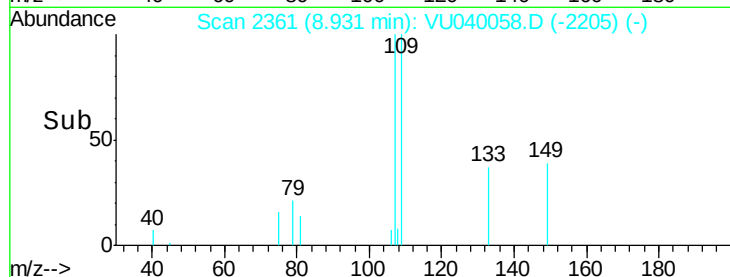
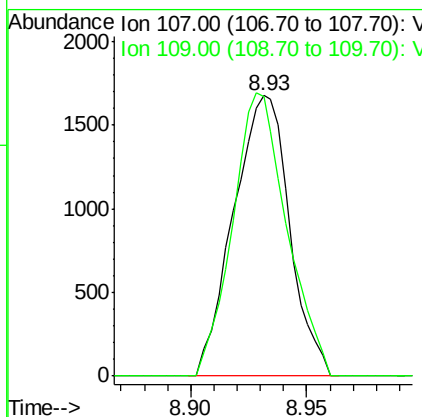
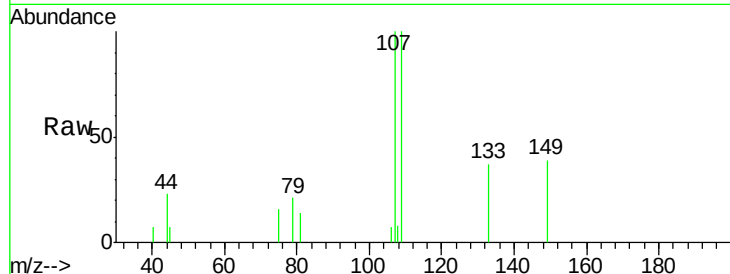
#56
1,2-Dibromoethane
Concen: 0.447 ug/l
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
107	100	2807		
109	97.8	0.0	191.0	

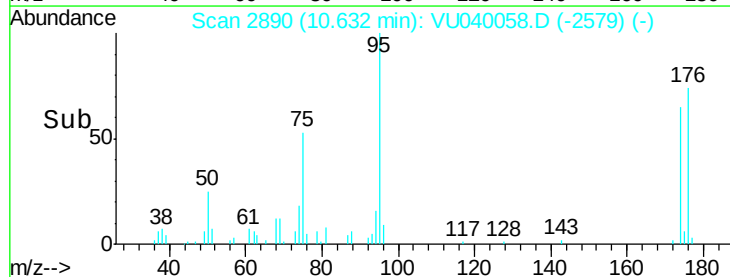
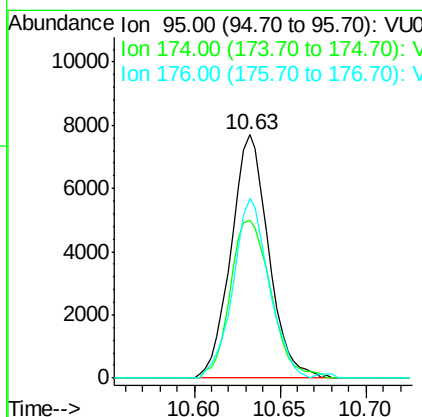
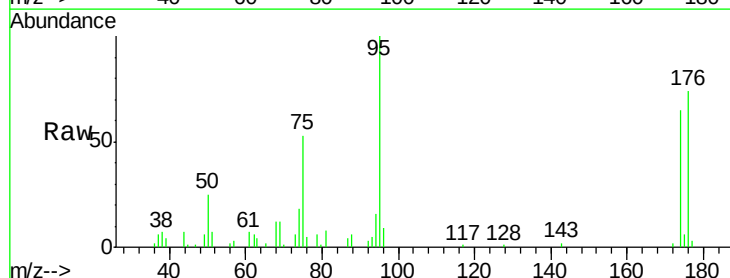
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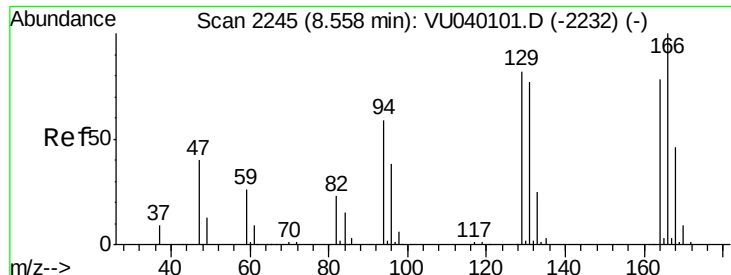
MMDadoda
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#57
4-Bromofluorobenzene
Concen: 1.083 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	11736		
174	70.3	49.4	74.0	
176	70.9	50.1	75.1	





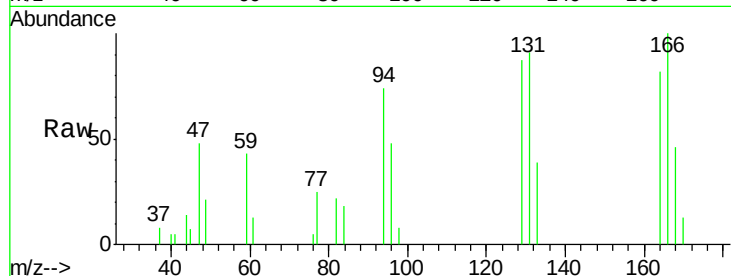
#58
Tetrachloroethene
Concen: 0.505 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.5	101.3	151.9
129	105.9	84.8	127.2
131	110.1	81.8	122.6

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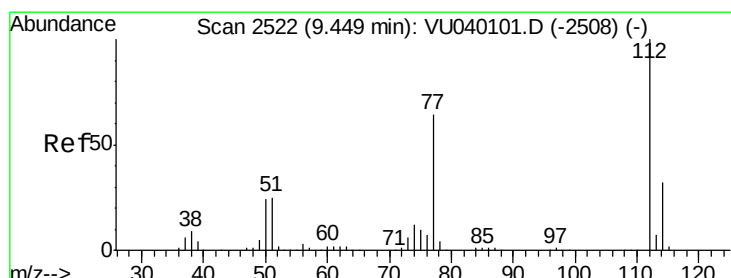
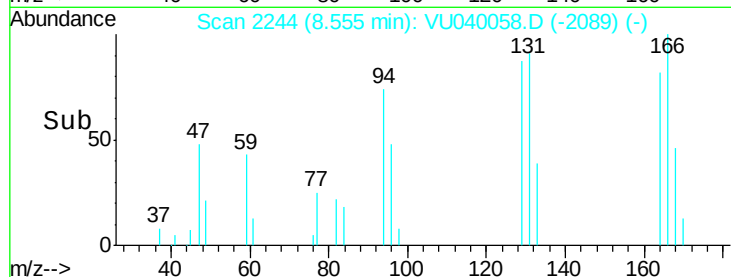
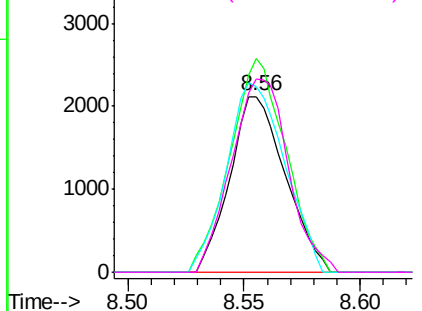


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

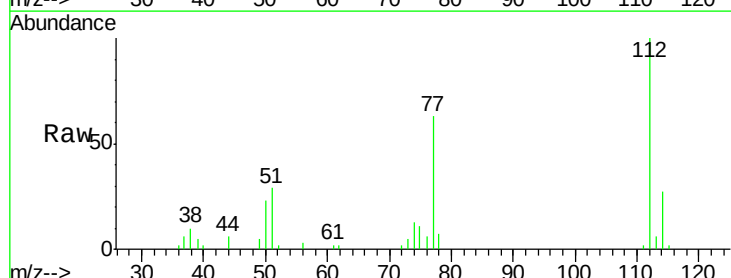
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



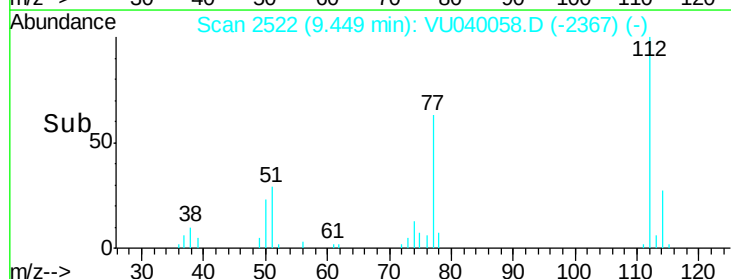
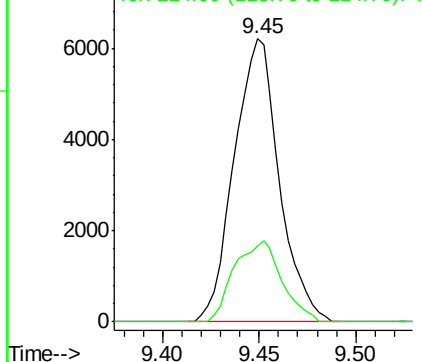
#59
Chlorobenzene
Concen: 0.481 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

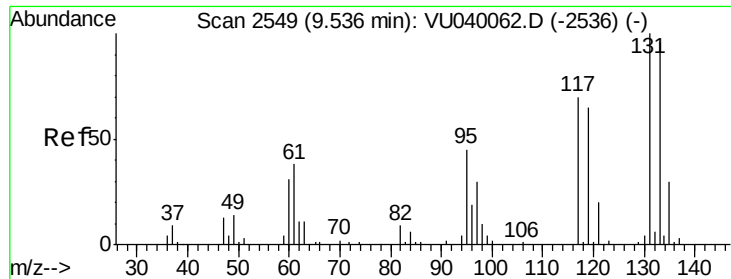
Tgt Ion	Ratio	Lower	Upper
112	100		
114	26.8	24.8	37.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





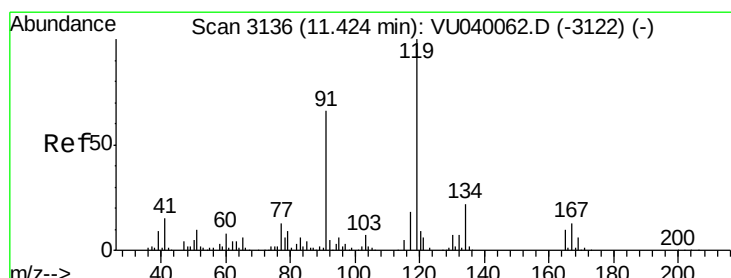
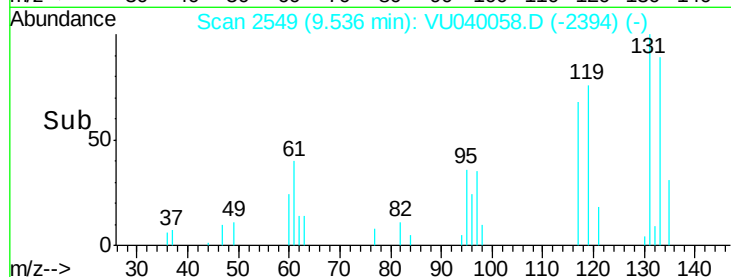
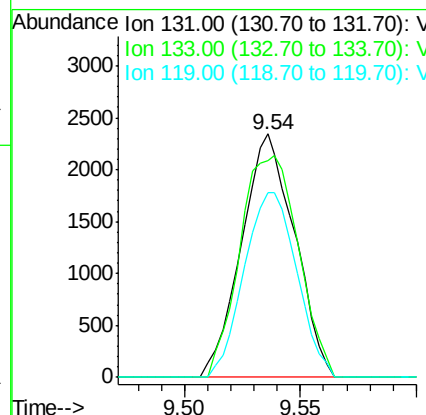
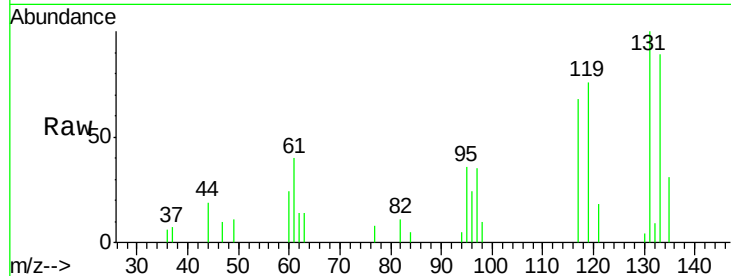
#60
 1,1,1,2-Tetrachloroethane
 Concen: 0.522 ug/l
 RT: 9.54 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
131	100		
133	100.0	75.4	113.2
119	75.3	51.5	77.3

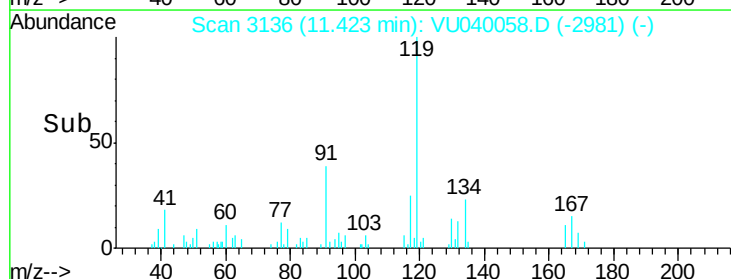
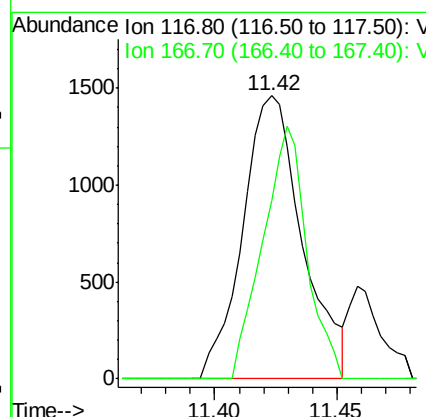
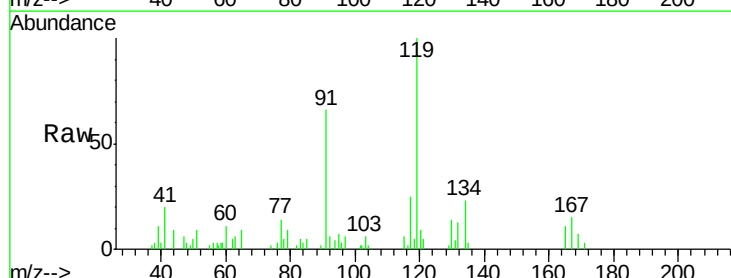
Manual Integrations
 APPROVED

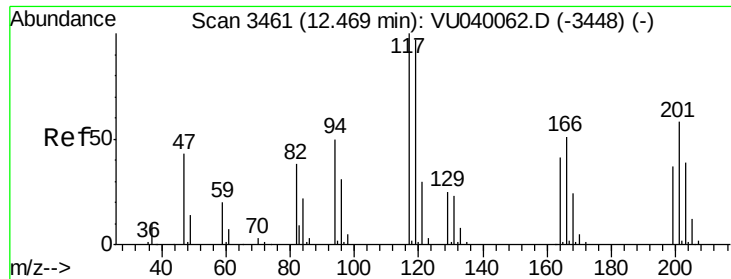
MMDadoda
 9/17/2020 4:46:47 PM



#61
 Pentachloroethane
 Concen: 0.414 ug/l
 RT: 11.42 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
167	65.5	54.5	81.7





#62

Hexachloroethane

Concen: 0.549 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion:117 Resp: 3164

Ion Ratio Lower Upper

117 100

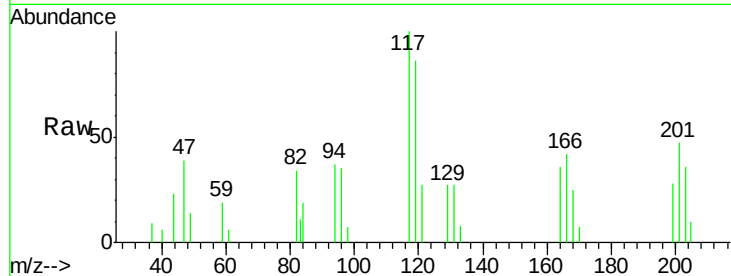
201 54.6 47.0 70.4

Manual Integrations

APPROVED

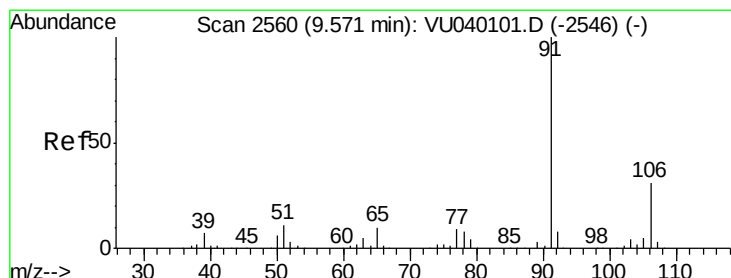
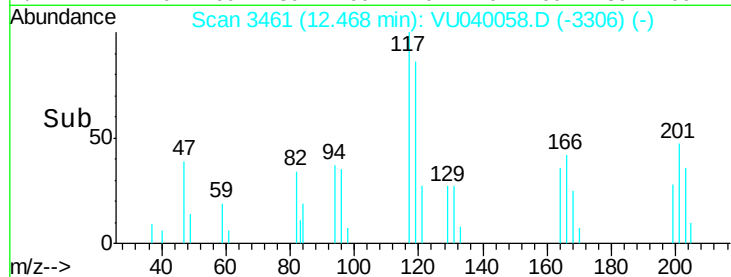
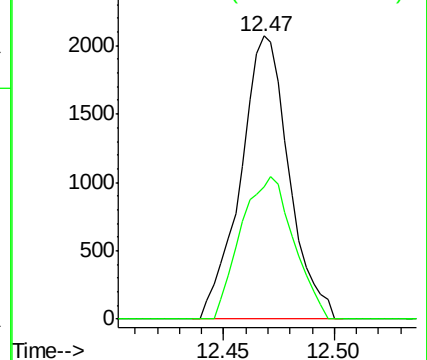
MMDadoda

9/17/2020 4:46:47 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.421 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040058.D

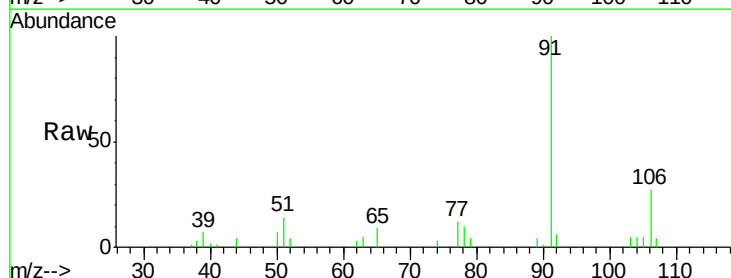
Acq: 09 Sep 2020 10:31

Tgt Ion: 91 Resp: 15656

Ion Ratio Lower Upper

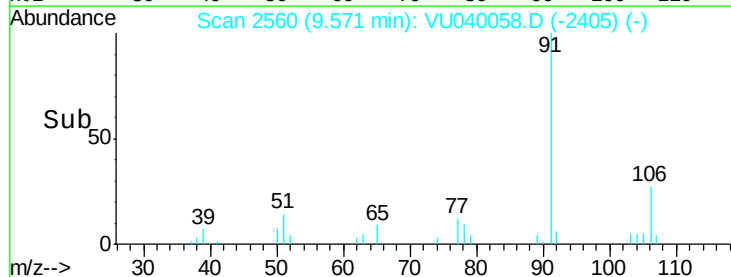
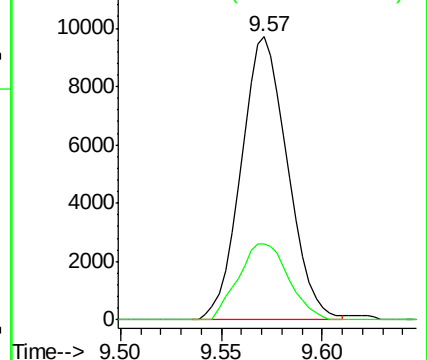
91 100

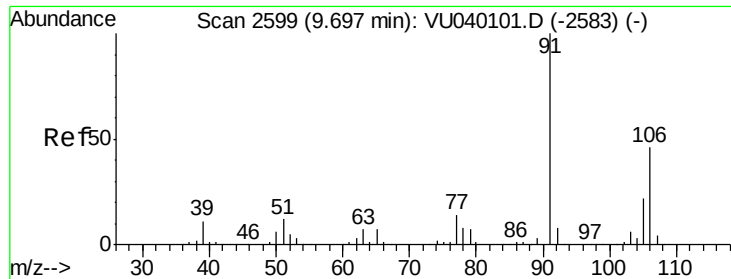
106 26.8 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 0.730 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:106 Resp: 10546

Ion Ratio Lower Upper

106 100

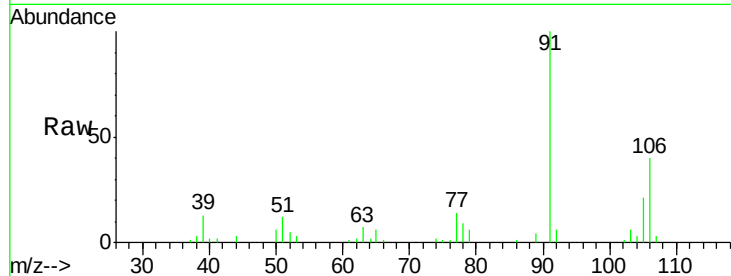
91 247.6 171.4 257.2

Manual Integrations

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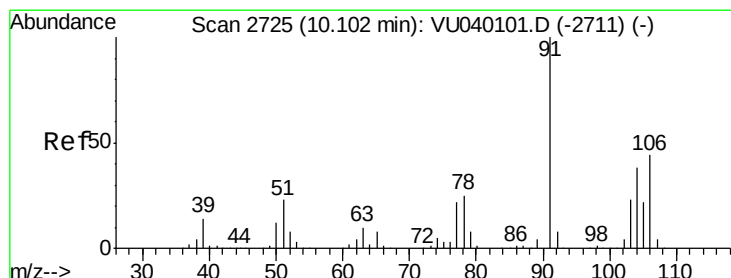
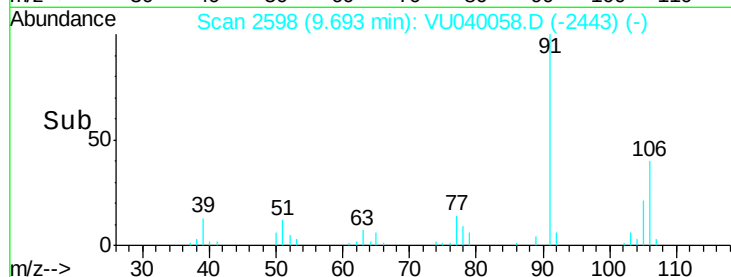
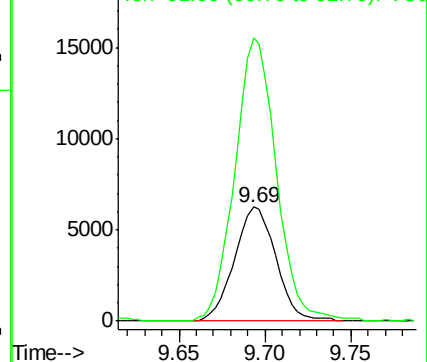
MMDadoda

9/17/2020 4:46:47 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 0.374 ug/l

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040058.D

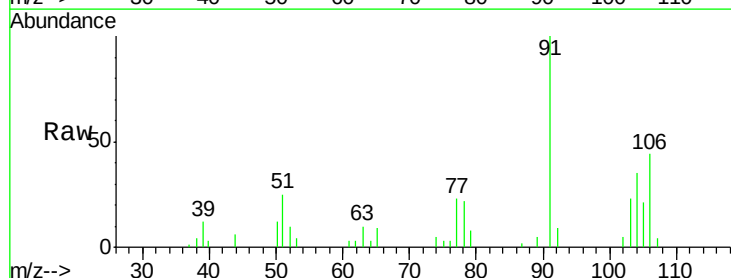
Acq: 09 Sep 2020 10:31

Tgt Ion:106 Resp: 5136

Ion Ratio Lower Upper

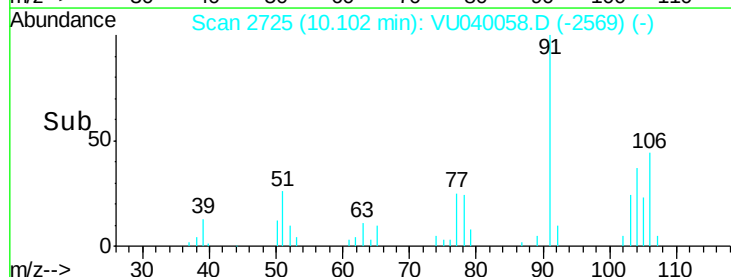
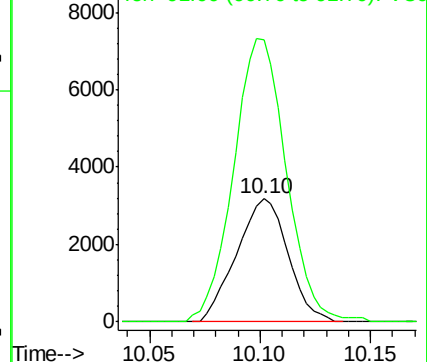
106 100

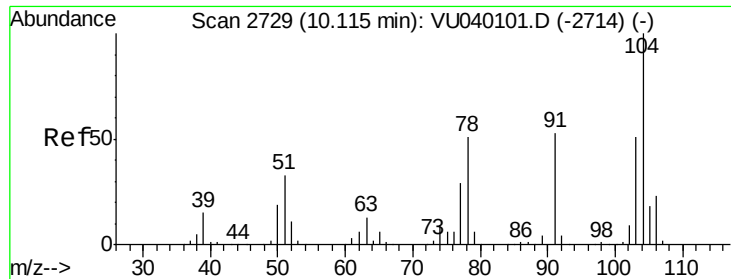
91 236.4 114.2 342.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





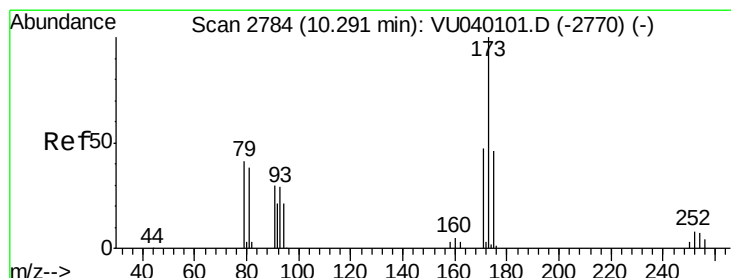
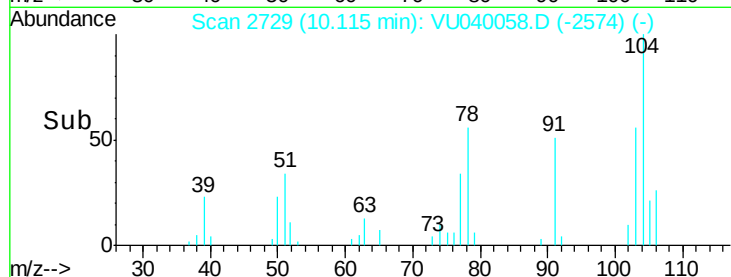
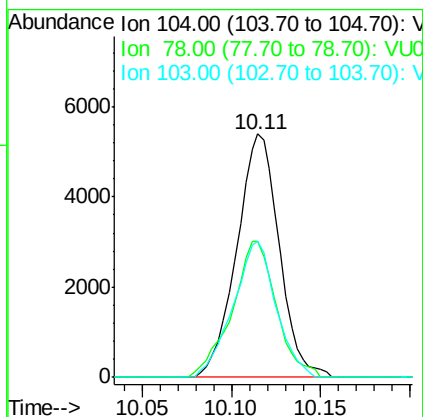
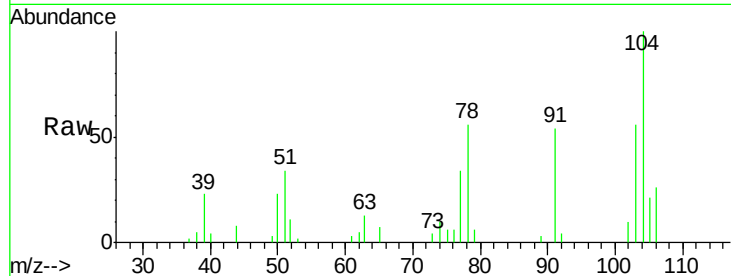
#66
Stvrene
Concen: 0.379 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.1	43.9	65.9
103	56.5	43.7	65.5

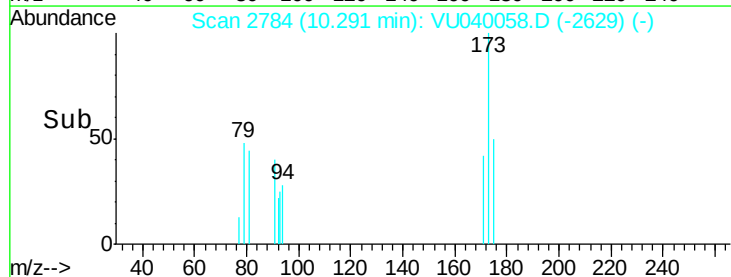
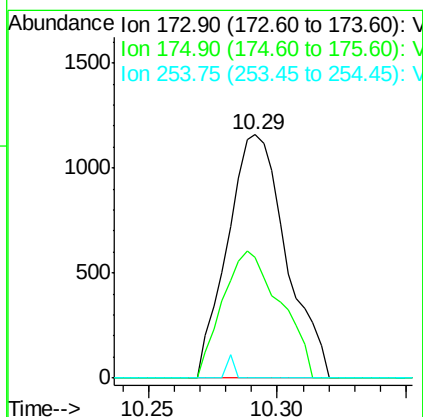
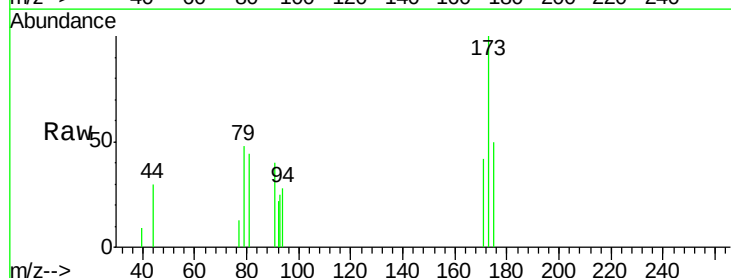
Manual Integrations
APPROVED

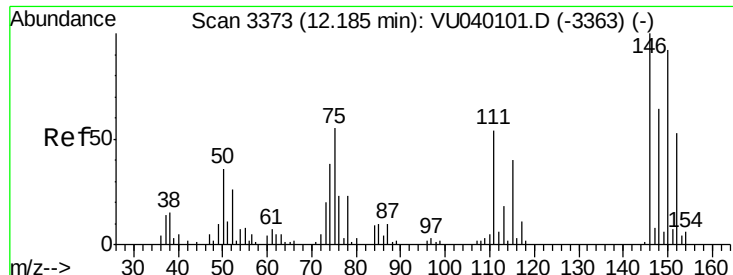
MMDadoda
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#67
Bromoform
Concen: 0.504 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.7	38.0	57.0
254	1.2	5.8	8.8#





#68

1,2-Dichlorobenzene-d4

Concen: 0.970 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:152 Resp: 10098

Ion Ratio Lower Upper

152 100

115 70.8 0.0 309.0

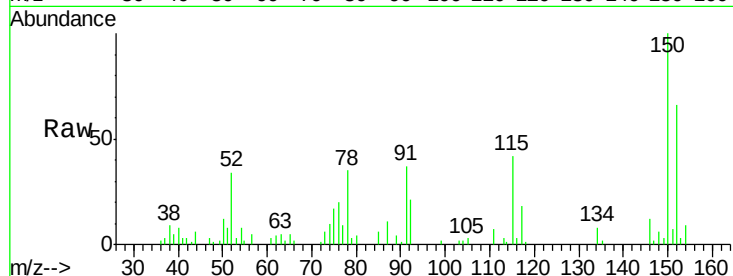
150 167.8 0.0 658.2

Manual Integrations

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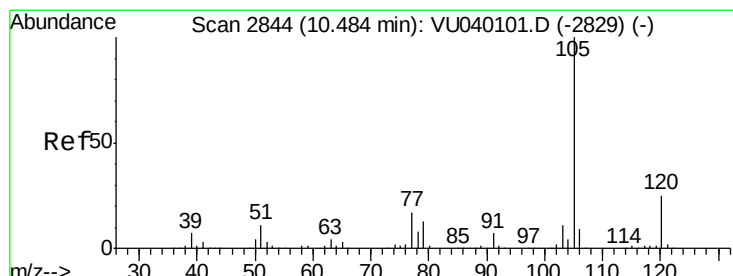
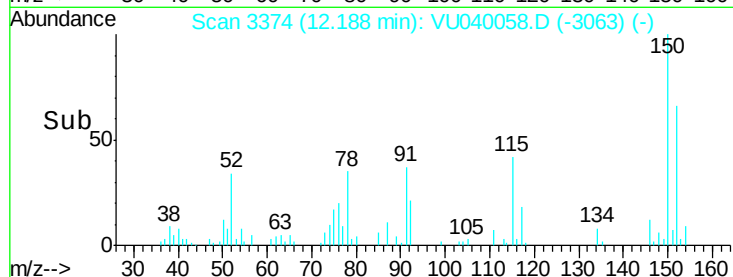
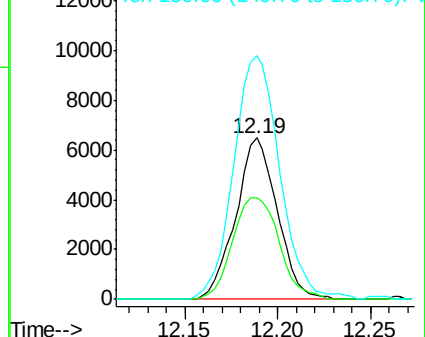
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Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#69

Isopropylbenzene

Concen: 0.421 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040058.D

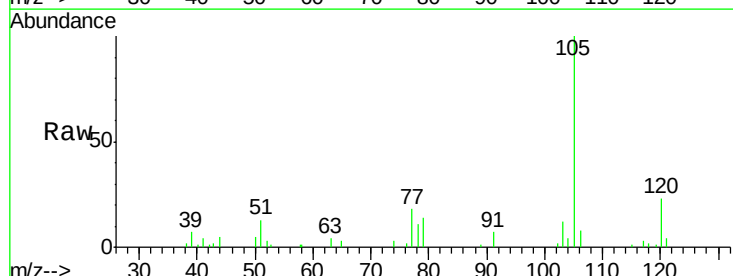
Acq: 09 Sep 2020 10:31

Tgt Ion:105 Resp: 15506

Ion Ratio Lower Upper

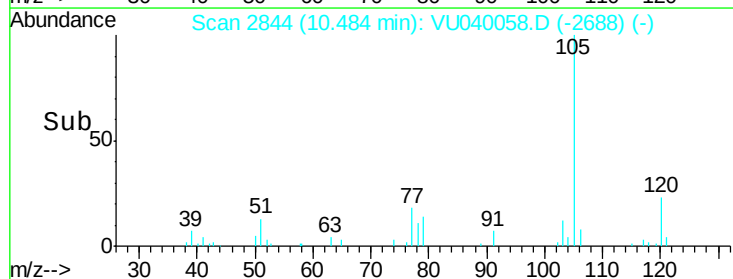
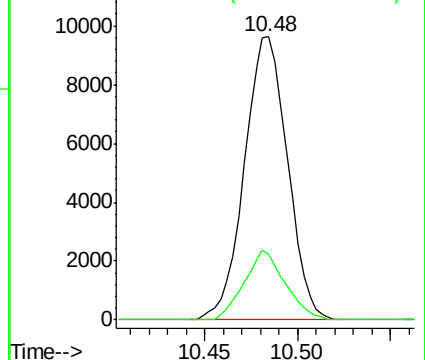
105 100

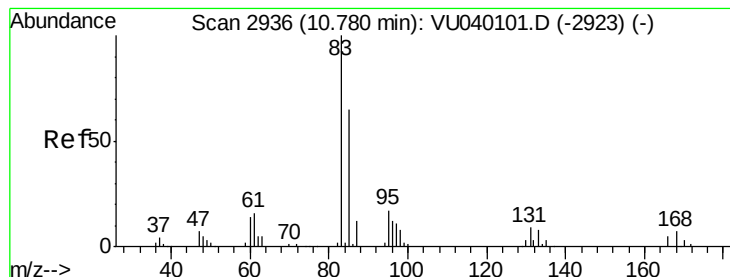
120 23.3 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 0.482 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

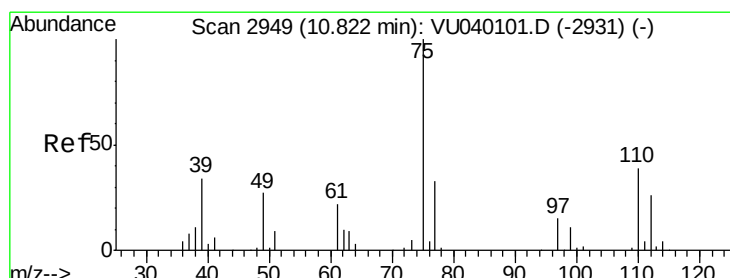
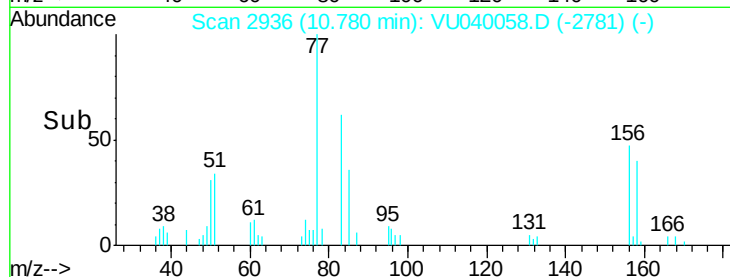
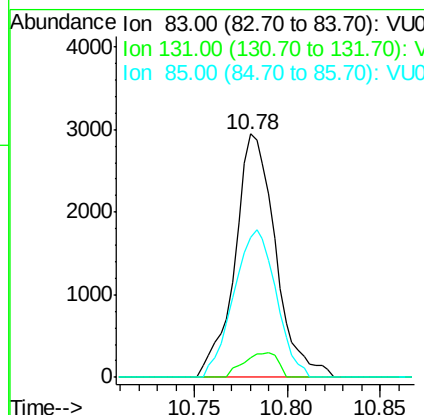
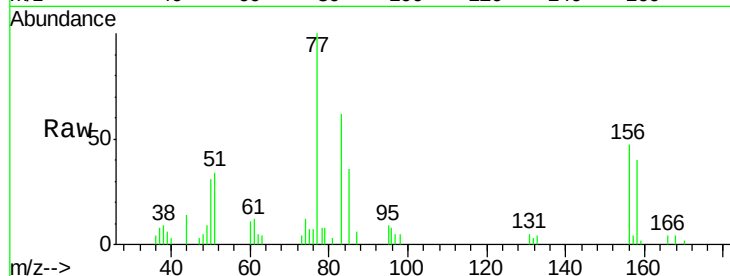
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	4495
Ion	Ratio	Lower	Upper
83	100		
131	8.6	7.5	11.3
85	63.2	49.7	74.5

Manual Integrations
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#71

1,2,3-Trichloropropane

Concen: 0.570 ug/l m

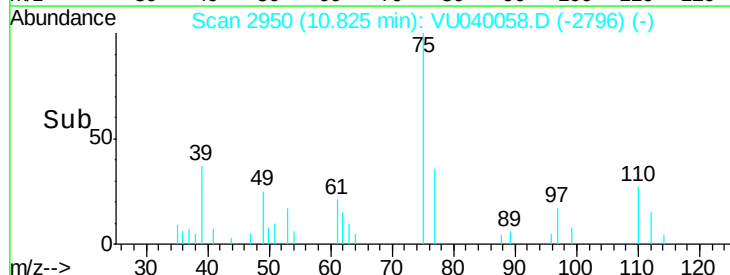
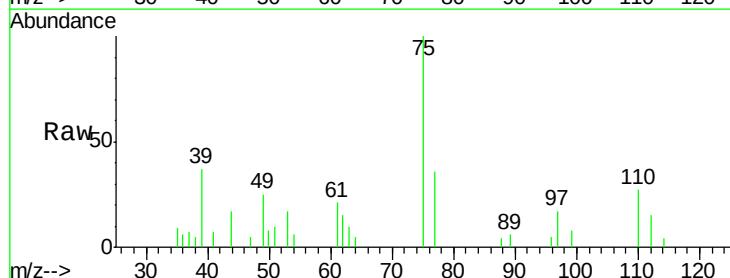
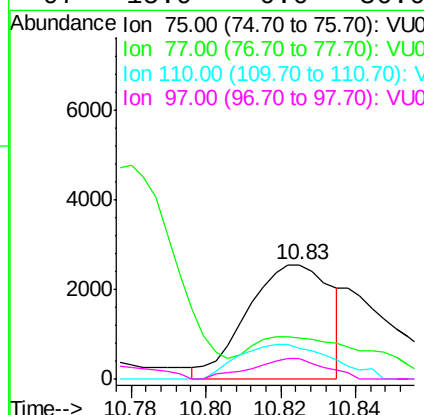
RT: 10.83 min Scan# 2950

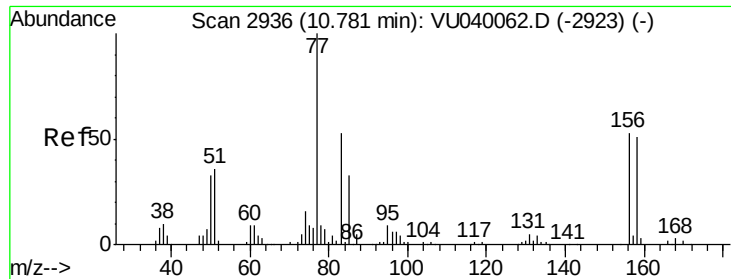
Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion:	75	Resp:	3948
Ion	Ratio	Lower	Upper
75	100		
77	53.6	0.0	111.4
110	33.9	0.0	70.8
97	15.9	0.0	36.0





#72

Bromobenzene

Concen: 0.439 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

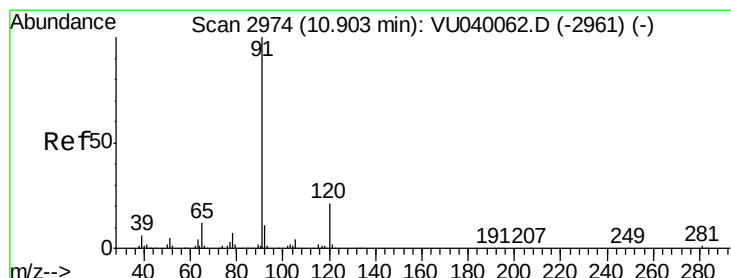
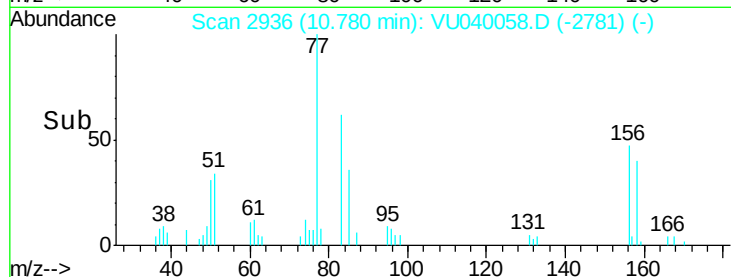
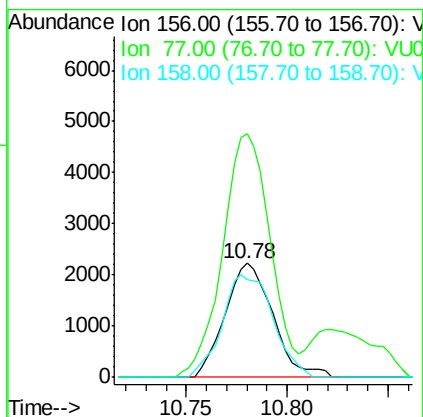
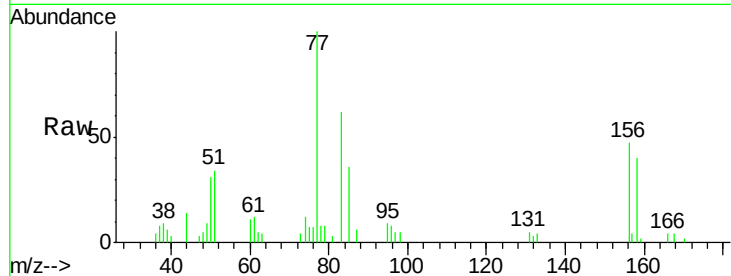
ClientSampleId :

VSTDIC0.5

Tot Ion:	156	Resp:	3689
Ion Ratio	Lower	Upper	
156	100		
77	213.6	0.0	383.6
158	95.6	0.0	195.0

Manual Integrations
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#73

n-propylbenzene

Concen: 0.394 ug/l

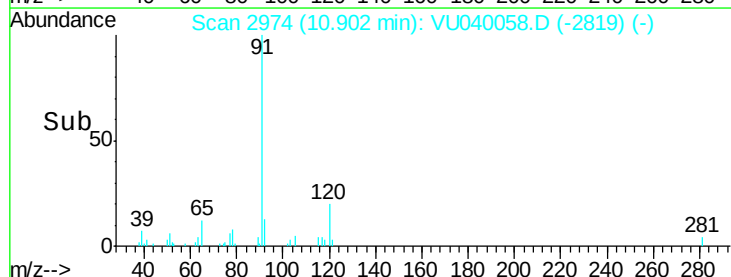
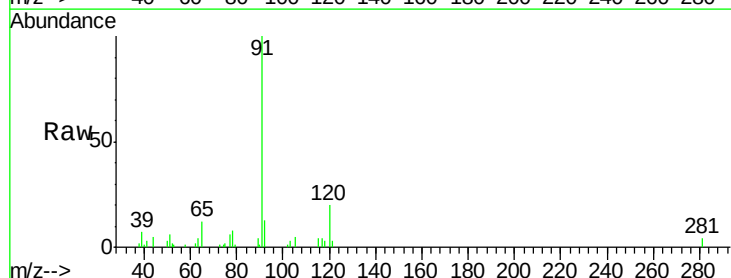
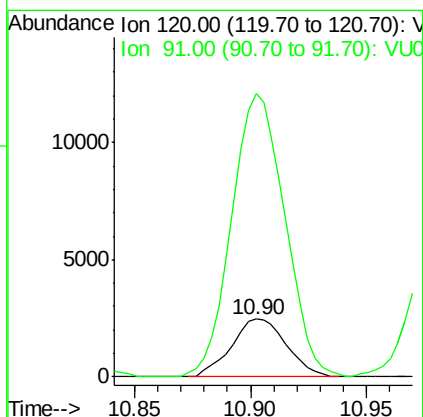
RT: 10.90 min Scan# 2974

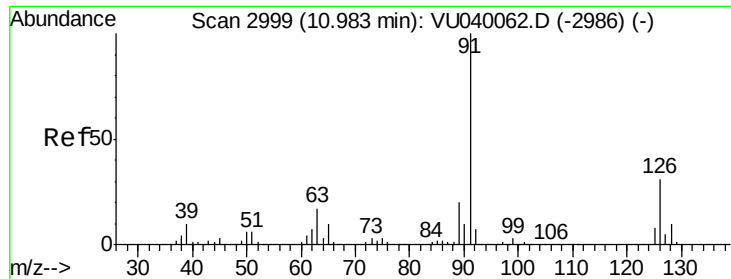
Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion:	120	Resp:	4071
Ion Ratio	Lower	Upper	
120	100		
91	472.9	380.4	570.6





#74

2-Chlorotoluene

Concen: 0.418 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:126 Resp: 3678

Ion Ratio Lower Upper

126 100

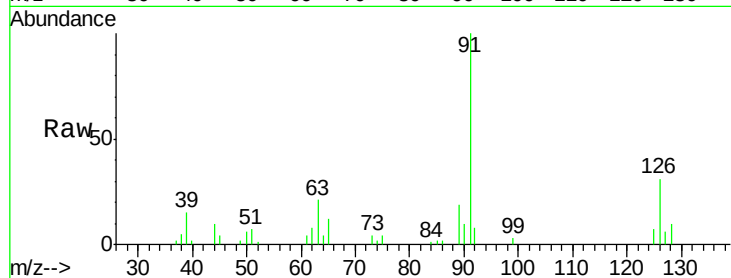
91 340.3 0.0 649.6

Manual Integrations

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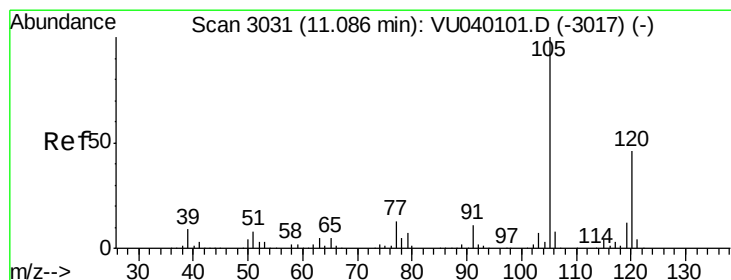
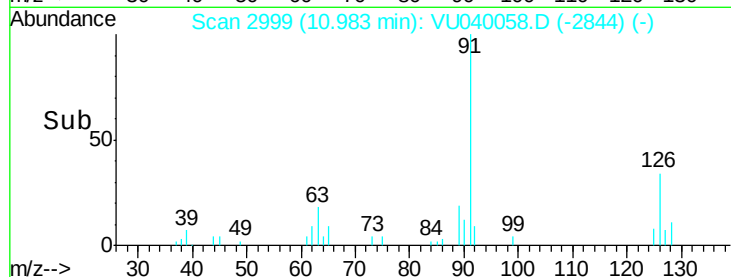
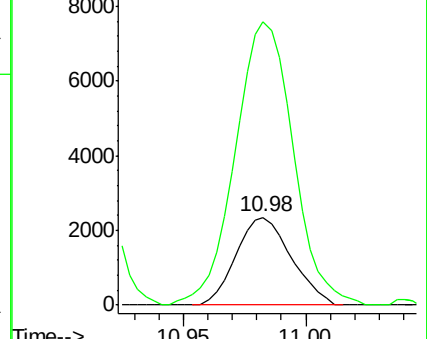
MMDadoda

9/17/2020 4:46:47 PM



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: 0.383 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040058.D

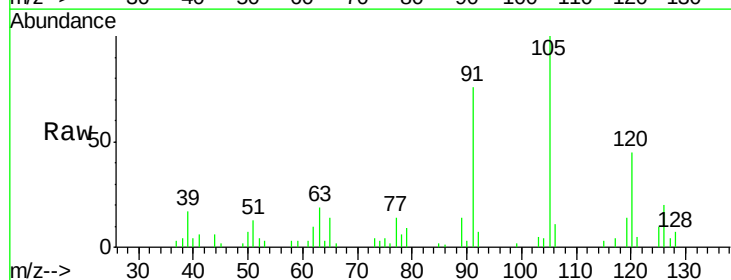
Acq: 09 Sep 2020 10:31

Tgt Ion:105 Resp: 12213

Ion Ratio Lower Upper

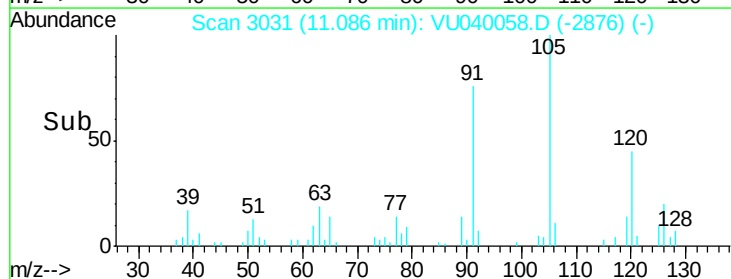
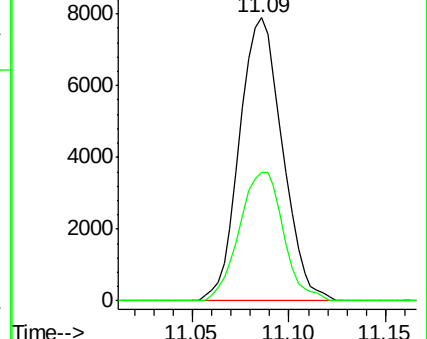
105 100

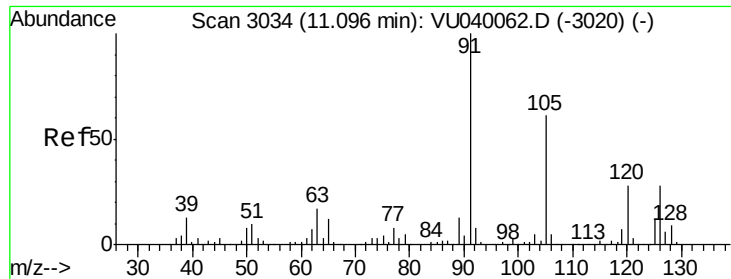
120 46.6 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





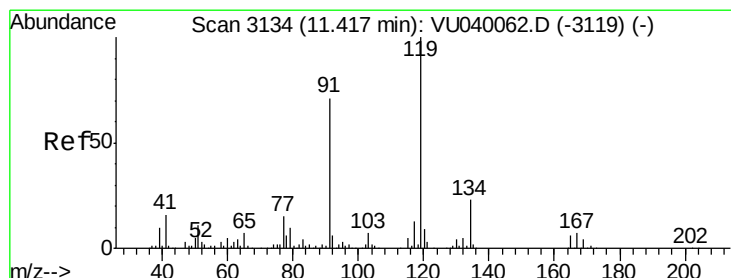
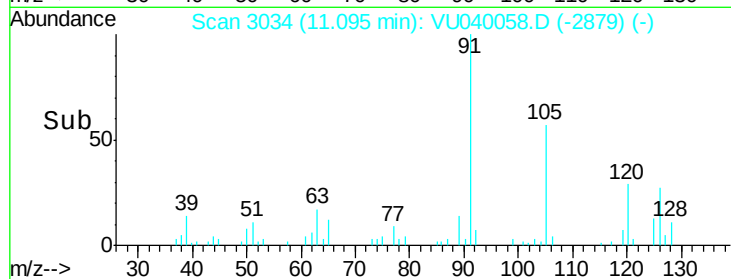
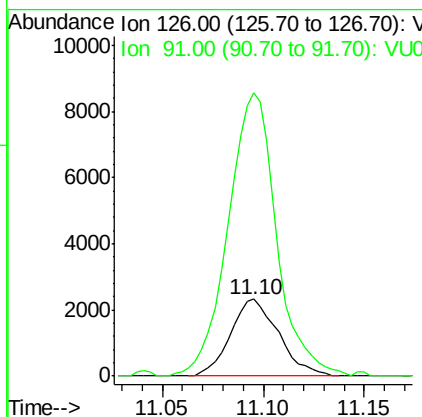
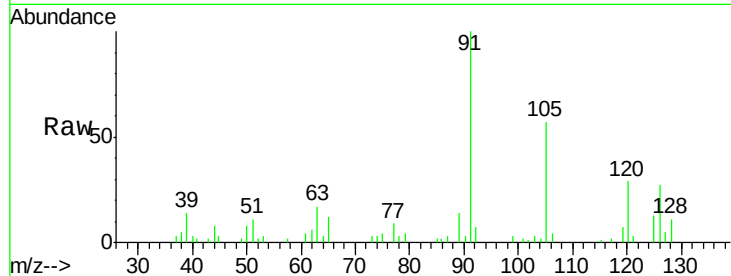
#76
4-Chlorotoluene
Concen: 0.425 ug/l
RT: 11.10 min Scan# 3034
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:126 Resp: 3875
Ion Ratio Lower Upper
126 100
91 370.8 0.0 735.6

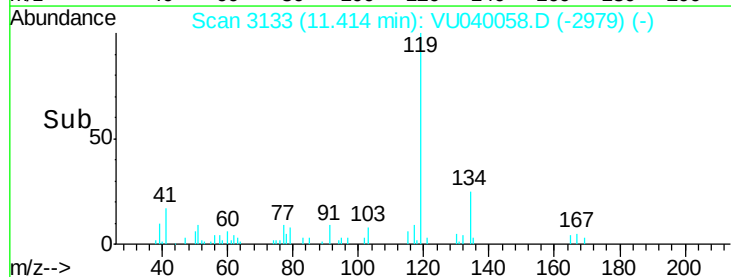
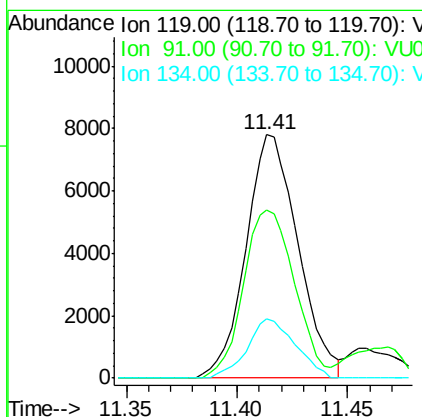
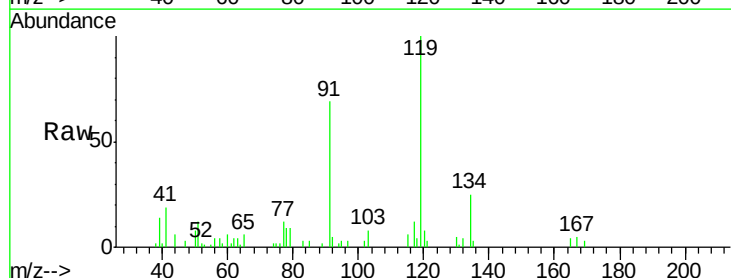
Manual Integrations
APPROVED

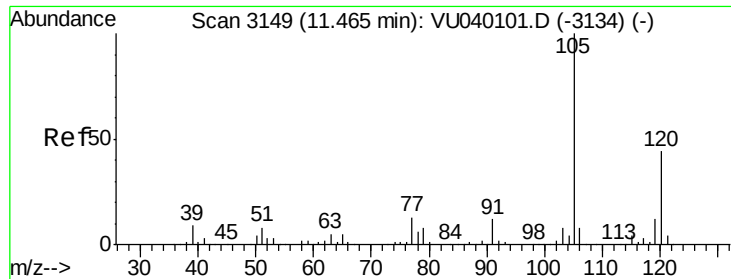
MMDadoda
9/17/2020 4:46:47 PM



#77
tert-Butylbenzene
Concen: 0.421 ug/l
RT: 11.41 min Scan# 3133
Delta R.T. -0.00 min
Lab File: VU040058.D
Acq: 09 Sep 2020 10:31

Tgt Ion:119 Resp: 12794
Ion Ratio Lower Upper
119 100
91 68.0 34.2 102.5
134 22.5 18.2 27.4





#78

1,2,4-Trimethylbenzene

Concen: 0.430 ug/l

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 14048

Ion Ratio Lower Upper

105 100

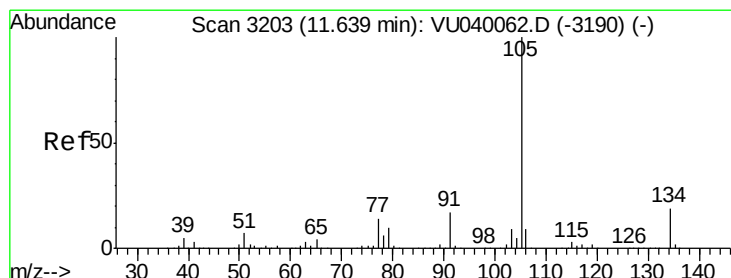
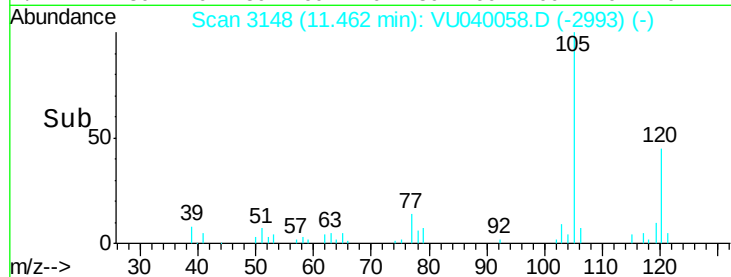
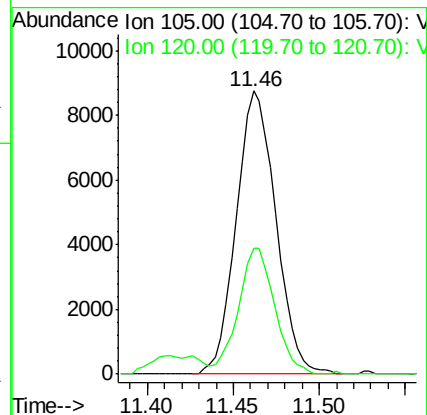
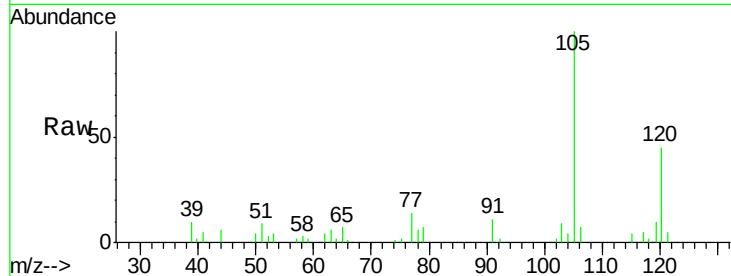
120 40.8 21.9 65.5

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#79

sec-Butylbenzene

Concen: 0.397 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU040058.D

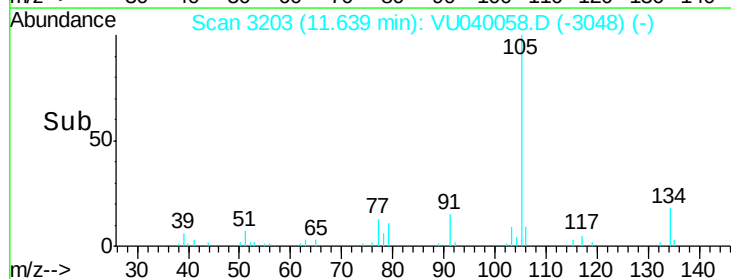
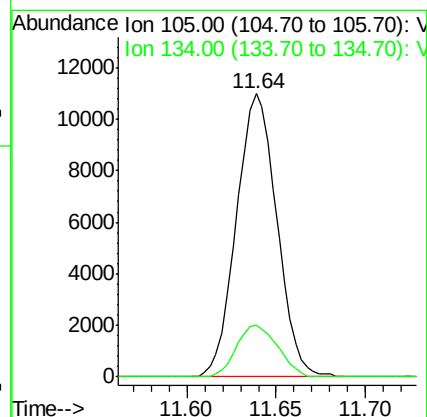
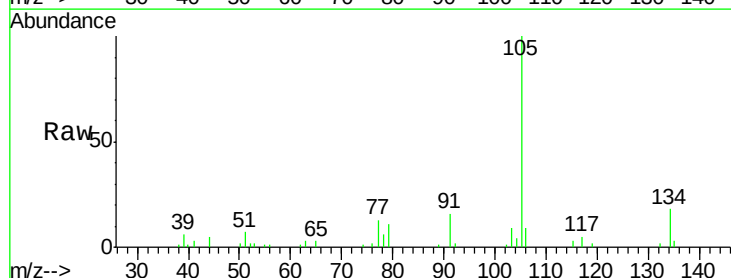
Acq: 09 Sep 2020 10:31

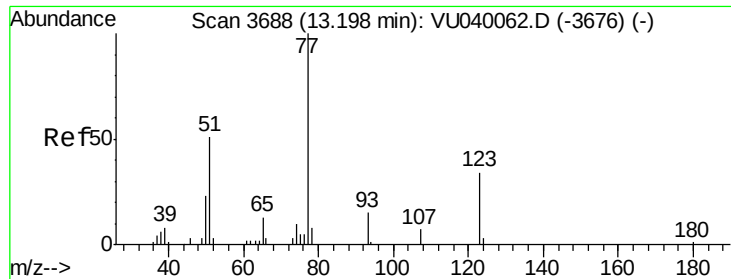
Tgt Ion:105 Resp: 17273

Ion Ratio Lower Upper

105 100

134 18.7 15.0 22.4





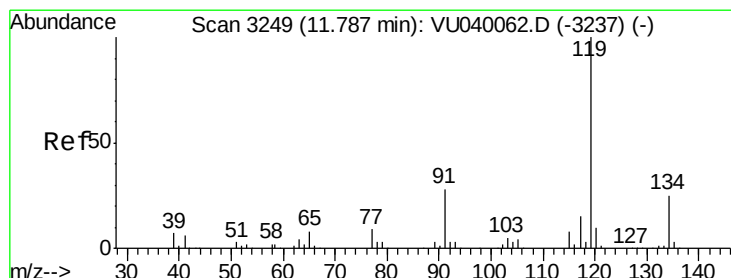
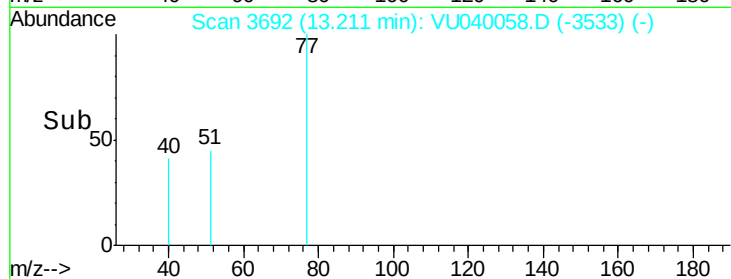
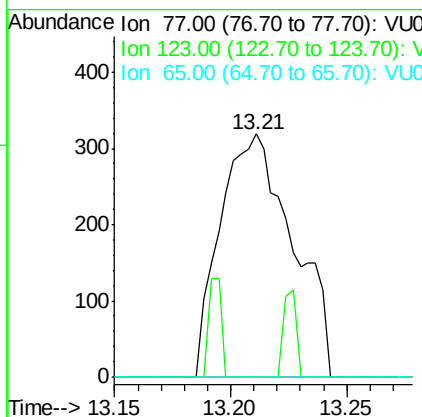
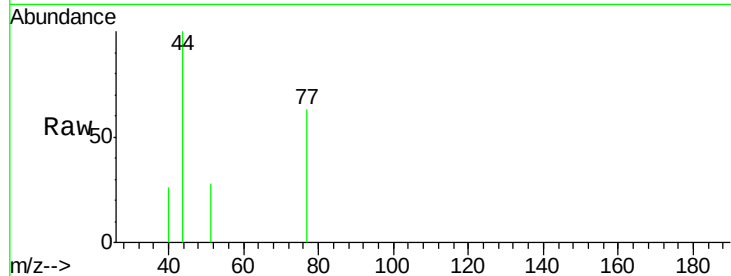
#80
 Nitrobenzene
 Concen: 3.529 ug/l
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.01 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
77	100		
123	6.2	16.4	58.0#
65	0.0	12.5	15.9#

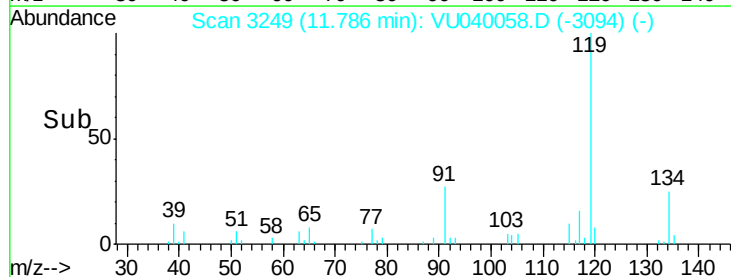
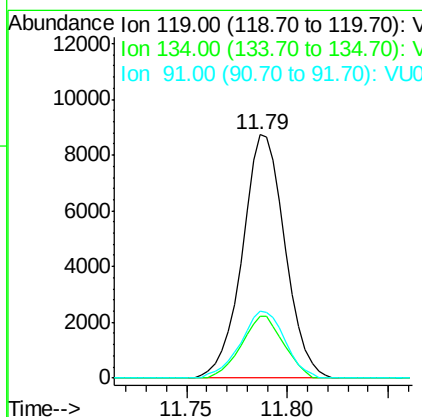
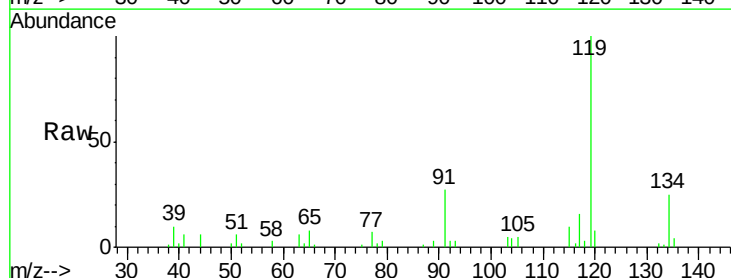
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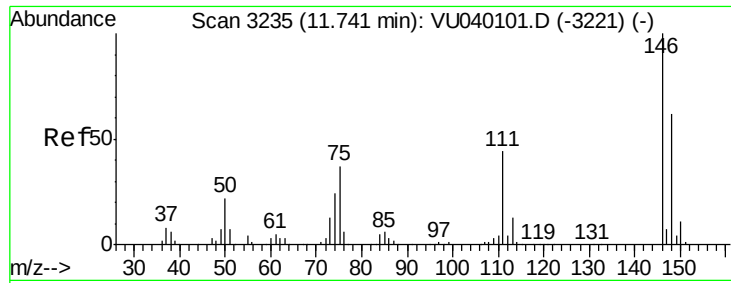
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#81
 p-Isopropyltoluene
 Concen: 0.369 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	28.7	22.2	33.2





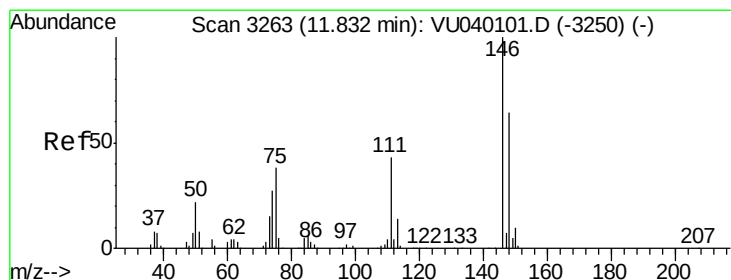
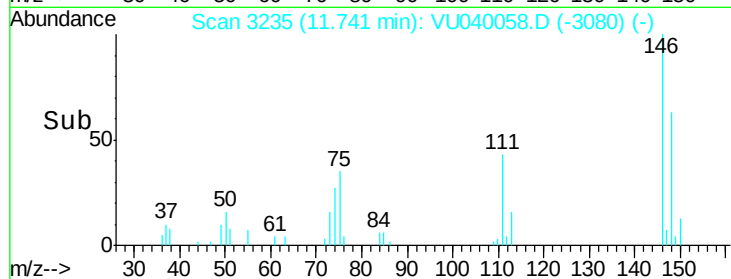
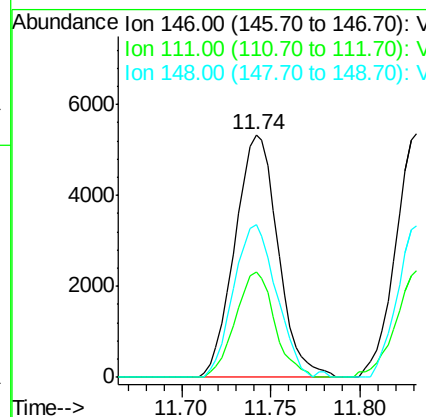
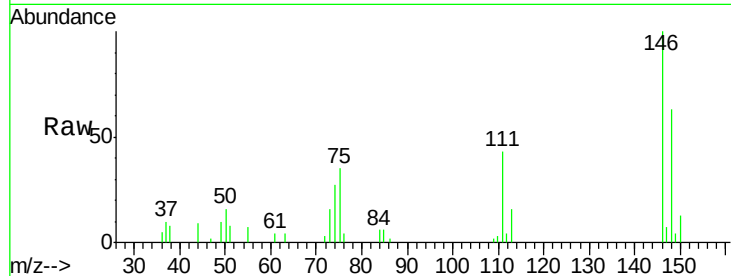
#82
 1,3-Dichlorobenzene
 Concen: 0.494 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	35.4	53.0
148	62.5	49.7	74.5

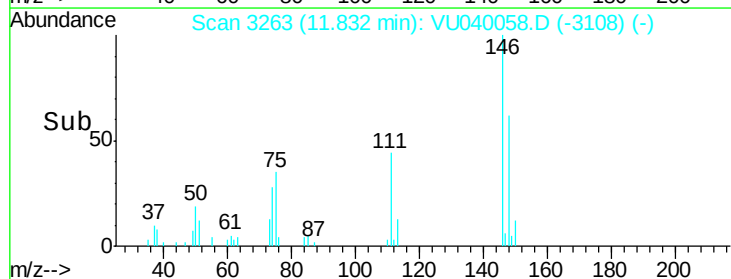
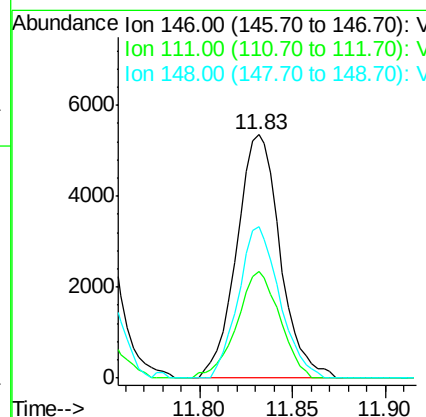
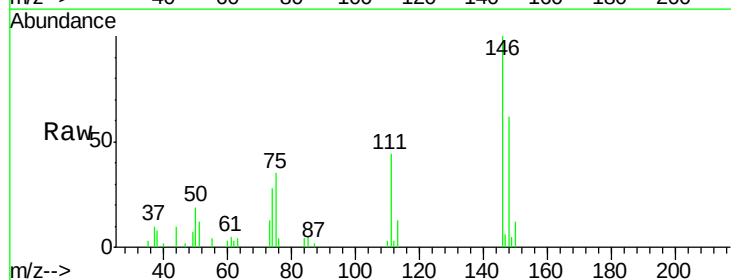
Manual Integrations
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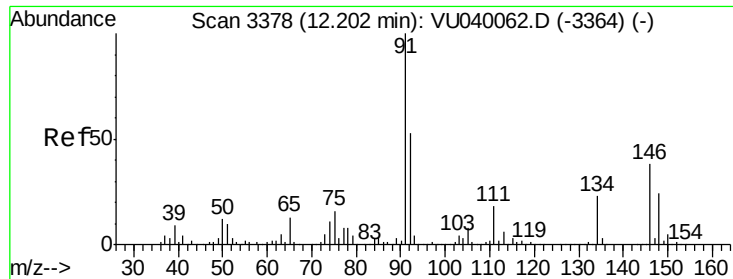
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#83
 1,4-Dichlorobenzene
 Concen: 0.477 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	34.2	51.2
148	59.2	50.2	75.2





#84

n-Butylbenzene

Concen: 0.362 ug/l

RT: 12.20 min Scan# 3378

Delta R.T. -0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

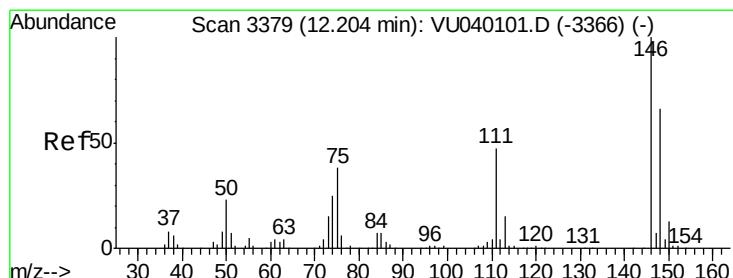
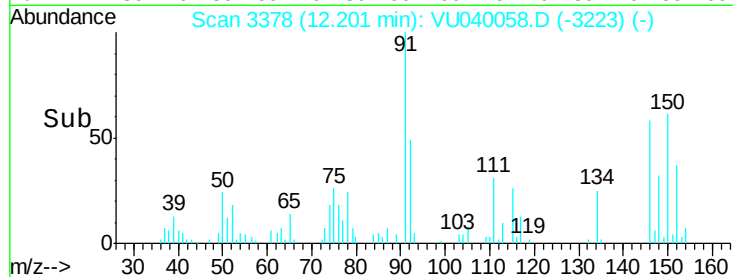
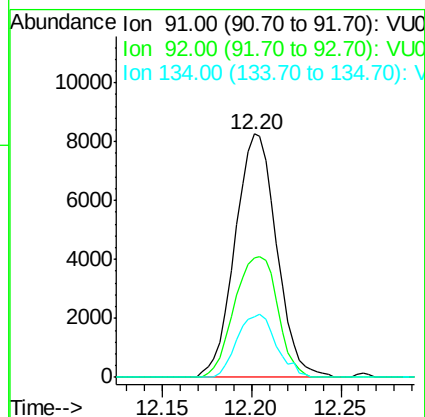
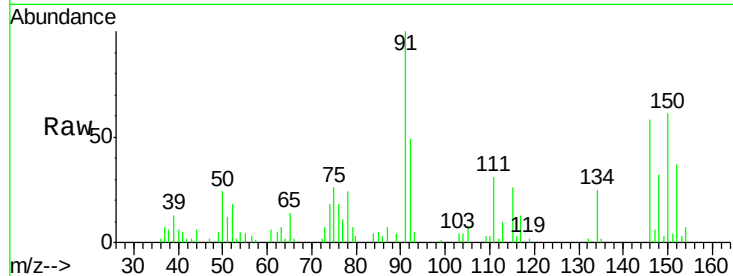
ClientSampled :

VSTDIC0.5

Tot Ion:	91	Resp:	13443
Ion	Ratio	Lower	Upper
91	100		
92	51.6	43.0	64.4
134	24.4	18.6	27.8

Manual Integrations
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#85

1,2-Dichlorobenzene

Concen: 0.483 ug/l

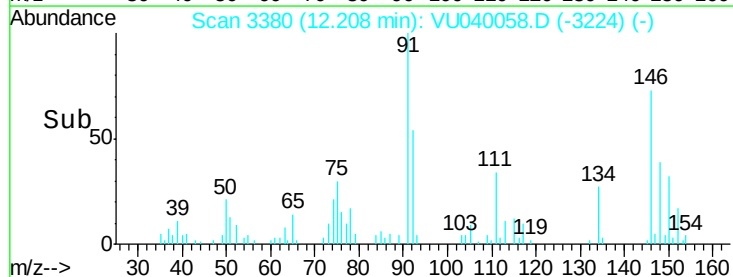
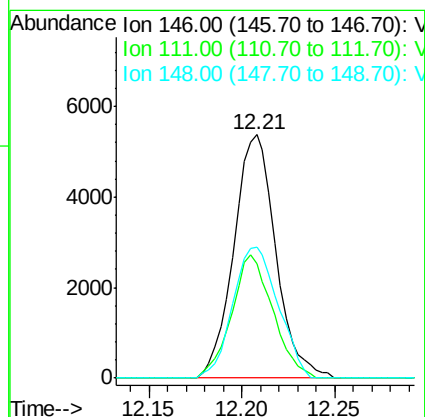
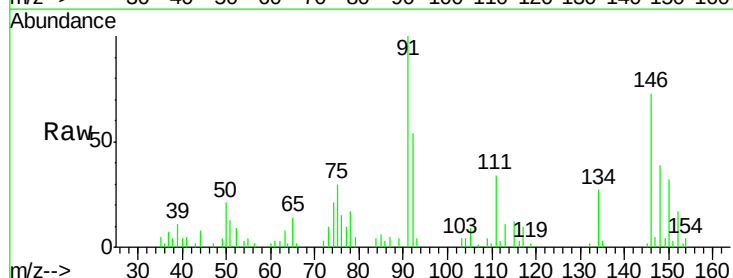
RT: 12.21 min Scan# 3380

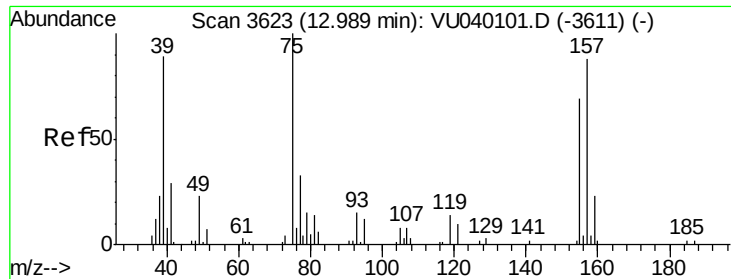
Delta R.T. 0.00 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion:	146	Resp:	8452
Ion	Ratio	Lower	Upper
146	100		
111	49.7	22.9	68.7
148	58.0	31.1	93.2





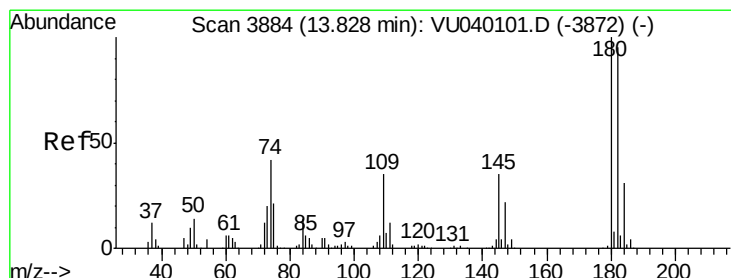
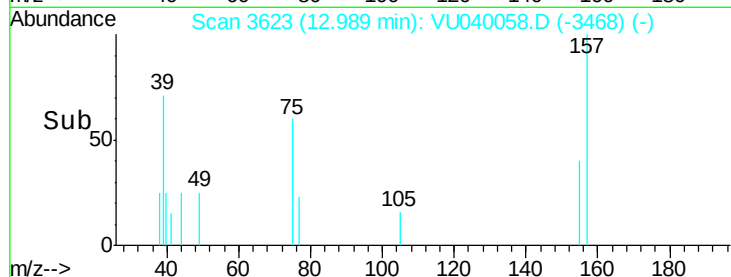
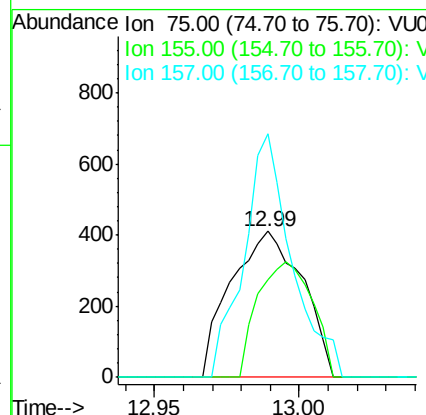
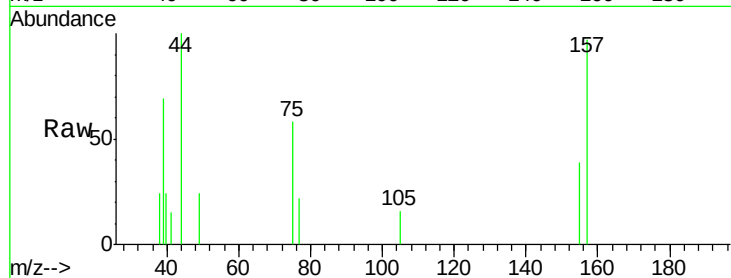
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.441 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 75 Resp: 703
 Ion Ratio Lower Upper
 75 100
 155 60.3 53.4 80.0
 157 111.5 65.8 98.8#

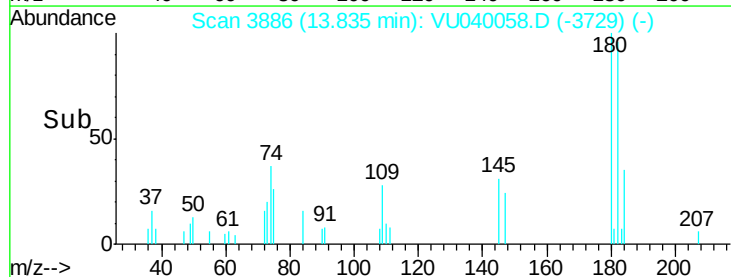
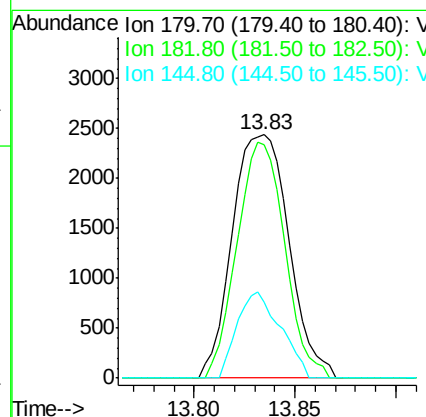
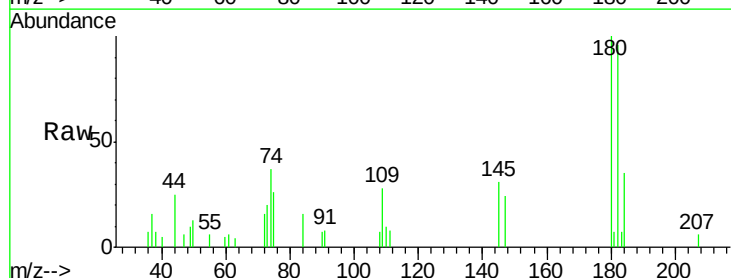
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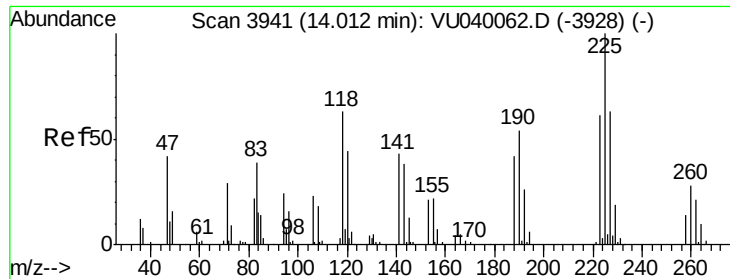
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.441 ug/l
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.01 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Tgt Ion: 180 Resp: 4785
 Ion Ratio Lower Upper
 180 100
 182 81.9 75.0 112.4
 145 27.2 27.7 41.5#





#88

Hexachlorobutadiene

Concen: 0.467 ug/l

RT: 14.01 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Instrument :

MSVOA_U

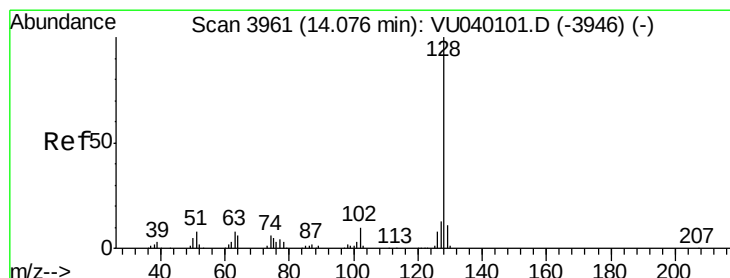
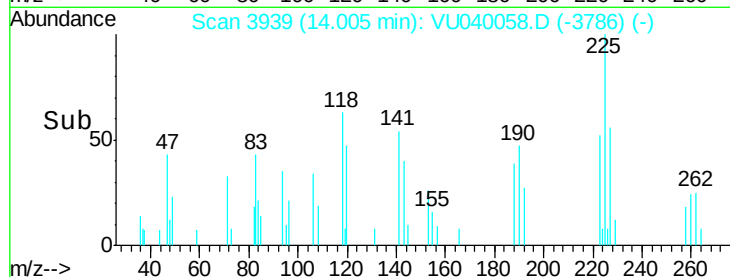
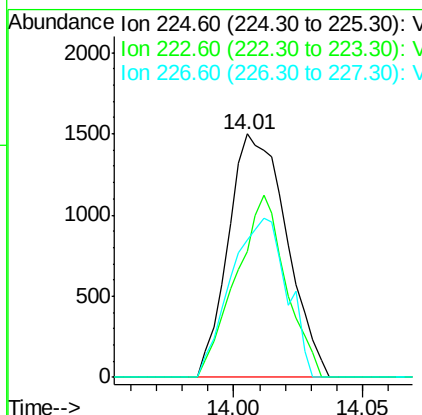
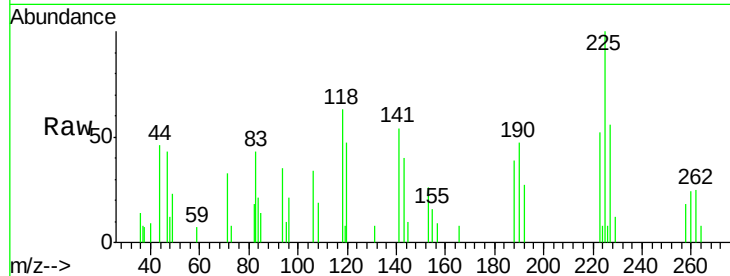
ClientSampleId :

VSTDIC0.5

Tot Ion:	225	Resp:	2361
Ion Ratio	Lower	Upper	
225	100		
223	64.1	50.7	76.1
227	63.2	51.1	76.7

Manual Integrations
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#89

Naphthalene

Concen: 0.316 ug/l

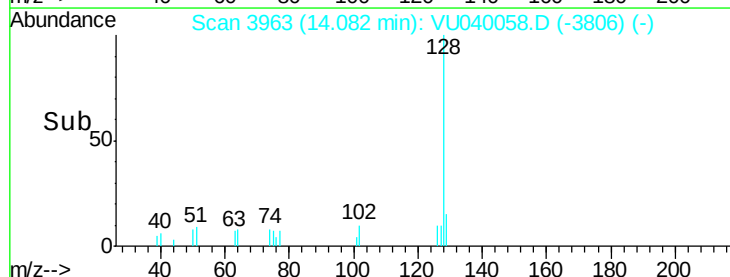
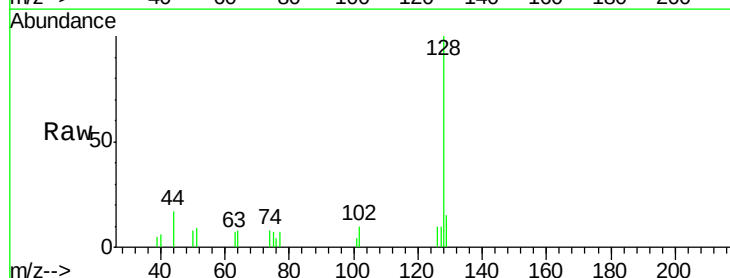
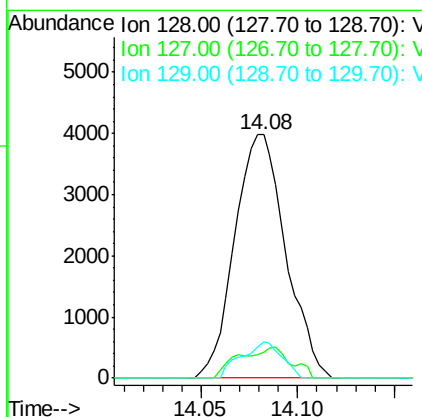
RT: 14.08 min Scan# 3963

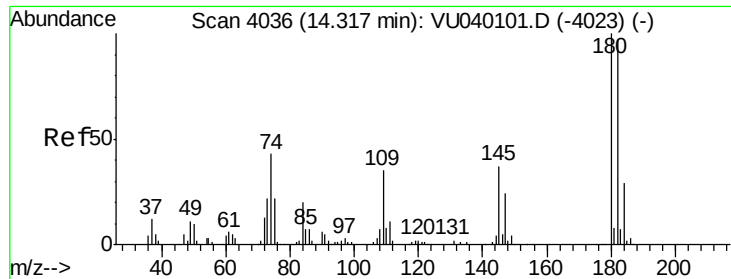
Delta R.T. 0.01 min

Lab File: VU040058.D

Acq: 09 Sep 2020 10:31

Tgt Ion:	128	Resp:	7295
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.7	8.3	12.5





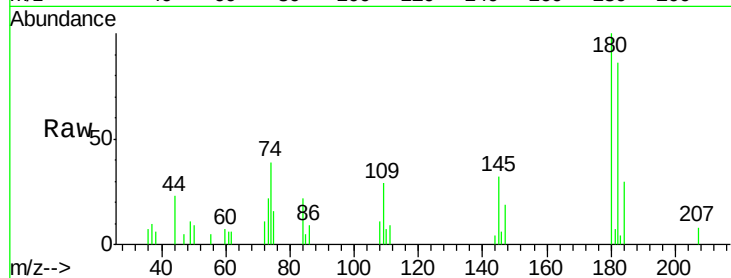
#90
 1,2,3-Trichlorobenzene
 Concen: 0.411 ug/l
 RT: 14.32 min Scan# 4037
 Delta R.T. -0.00 min
 Lab File: VU040058.D
 Acq: 09 Sep 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	76.0	114.0
145	36.7	30.6	45.8

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

