

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040219\
 Data File : VU030611.D
 Acq On : 02 Apr 2019 19:52
 Operator : JC/SP
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda

4/3/2019 11:44:07 AM

Quant Time: Apr 03 02:14:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U040219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Apr 03 01:47:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	37401	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	14445	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13986	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	154192	10.939	ug/l	100
3) Chloromethane	1.32	50	175948	11.011	ug/l	100
4) Vinyl Chloride	1.40	62	175324	12.426	ug/l	100
5) Bromomethane	1.63	94	75728	9.742	ug/l	100
6) Chloroethane	1.70	64	98157	12.134	ug/l	100
7) Trichlorofluoromethane	1.88	101	208067	11.555	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	103594	10.748	ug/l	100
9) 1,1-Dichloroethene	2.28	96	100941	10.616	ug/l	100
10) Iodomethane	2.41	142	141899	15.961	ug/l	100
11) Allyl Chloride	2.59	41	222537	15.049	ug/l	100
12) Acrylonitrile	2.93	53	64564	28.804	ug/l	100
13) Acetone	2.32	43	144023	72.838	ug/l	100
14) Carbon Disulfide	2.47	76	361148	10.836	ug/l	100
15) Methylene Chloride	2.69	84	120974	10.589	ug/l	100
16) trans-1,2-Dichloroethene	2.97	96	111749	10.232	ug/l	100
17) 1,1-Dichloroethane	3.44	63	234203	12.213	ug/l	100
18) 2-Butanone	4.27	43	216078	78.409	ug/l	100
19) Cyclohexane	4.98	56	205677m	12.516	ug/l	
20) Methylcyclohexane	6.41	83	177339	10.283	ug/l	100
21) 2,2-Dichloropropane	4.22	77	184049	11.525	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	126331	10.397	ug/l	100
23) Diethyl Ether	2.10	59	100855	13.418	ug/l	100
24) tert-Butyl Alcohol	2.83	59	121009	145.441	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	311046	12.461	ug/l	100
26) Bromochloromethane	4.54	128	53035	10.019	ug/l	100
27) Chloroform	4.67	83	220984	11.130	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	184337	11.357	ug/l	100
29) 1,1-Dichloropropene	5.13	75	165736	11.235	ug/l	100
30) Carbon Tetrachloride	5.13	117	160535	11.103	ug/l	100
31) Isopropyl Ether	3.57	45	395953	14.103	ug/l	100
32) Ethyl-t-butyl ether	4.07	59	323457	12.442	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	270598	11.595	ug/l	100
34) Propionitrile	4.33	54	56238	74.693	ug/l	100
35) Benzene	5.38	78	480403	11.139	ug/l	100
36) 1,2-Dichloroethane	5.40	62	150669	12.584	ug/l	100
37) Trichloroethene	6.18	130	114871	9.526	ug/l	100
38) 1,2-Dichloropropane	6.43	63	136754	12.184	ug/l	100
39) Methacrylonitrile	4.55	41	52875	15.703	ug/l	100
40) Methyl acrylate	4.42	55	73218	14.333	ug/l	100
41) Tetrahydrofuran	4.65	42	56214	30.264	ug/l	100
42) 1-Chlorobutane	5.06	56	256076	12.834	ug/l	100

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 APPROVED

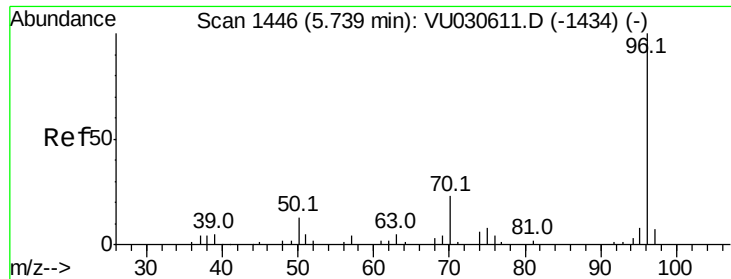
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	64960	11.353	ug/l	100
44) Bromodichloromethane	6.75	83	164438	11.942	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	496895	80.195	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	68323m	30.241	ug/l	
47) Methyl methacrylate	6.62	69	131168	26.663	ug/l	100
48) Ethyl methacrylate	8.02	69	118987	13.049	ug/l	100
49) Toluene	7.63	92	277182	10.813	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	152825	12.432	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	180835	11.812	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	89747	11.164	ug/l	100
53) 1,3-Dichloropropane	8.24	76	163352	11.965	ug/l	100
54) 2-Hexanone	8.36	43	335491	76.310	ug/l	100
55) Dibromochloromethane	8.47	129	103827	10.864	ug/l	100
56) 1,2-Dibromoethane	8.58	107	83566	10.899	ug/l	100
58) Tetrachloroethene	8.22	164	100822	9.276	ug/l	100
59) Chlorobenzene	9.12	112	288016	9.964	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	106846	10.366	ug/l	100
61) Pentachloroethane	11.10	117	82010	10.314	ug/l	100
62) Hexachloroethane	12.14	117	78475	9.959	ug/l	100
63) Ethyl Benzene	9.25	91	522946	10.879	ug/l	100
64) m/p-Xylenes	9.37	106	381956	20.548	ug/l	100
65) o-Xylene	9.77	106	183533	10.069	ug/l	100
66) Styrene	9.79	104	323931	10.769	ug/l	100
67) Bromoform	9.95	173	58706	10.829	ug/l	100
69) Isopropylbenzene	10.16	105	494977	10.356	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	119665	11.906	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	86827m	11.468	ug/l	
72) Bromobenzene	10.45	156	115978	9.390	ug/l	100
73) n-propylbenzene	10.58	120	134830	10.046	ug/l	100
74) 2-Chlorotoluene	10.66	126	115648	9.821	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	426054	10.482	ug/l	100
76) 4-Chlorotoluene	10.77	126	119269	9.941	ug/l	100
77) tert-Butylbenzene	11.10	119	397233	10.036	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	437149	10.570	ug/l	100
79) sec-Butylbenzene	11.32	105	547393	10.293	ug/l	100
80) Nitrobenzene	12.86	77	16700	79.146	ug/l	100
81) p-Isopropyltoluene	11.47	119	444049	10.045	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	224132	9.027	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	225794	9.039	ug/l	100
84) n-Butylbenzene	11.89	91	452195	10.785	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	210244	9.081	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	19366	13.216	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	135509	8.291	ug/l	100
88) Hexachlorobutadiene	13.69	225	75338	8.427	ug/l	100
89) Naphthalene	13.74	128	251701	9.748	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	132341	8.838	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 96 Resp: 37401

Ion Ratio Lower Upper

96 100

70 23.1 18.5 27.7

95 0.0 0.0 0.0

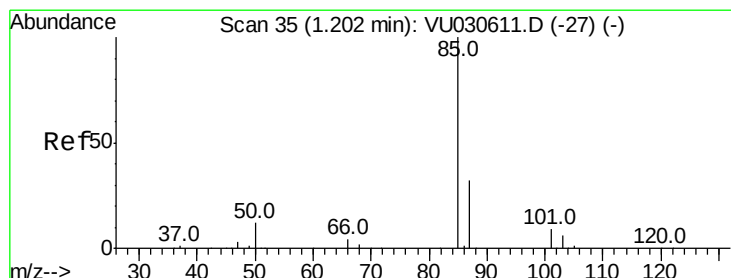
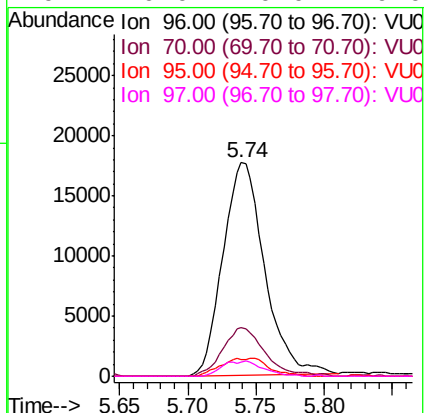
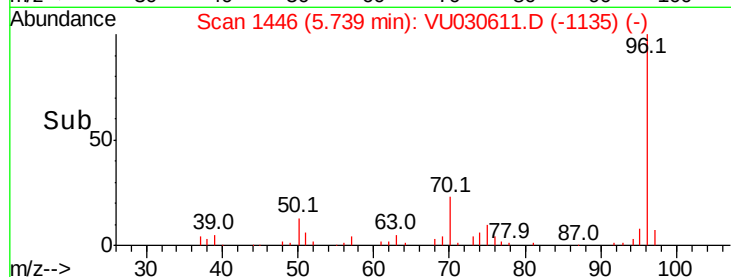
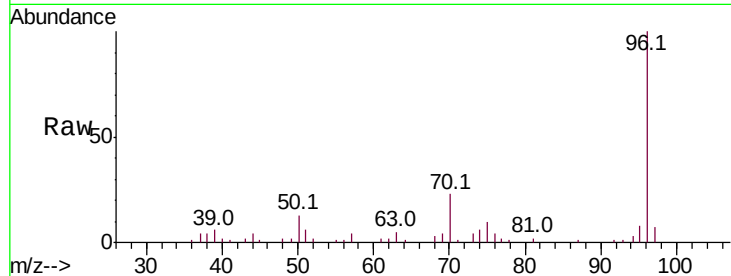
97 0.0 0.0 0.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 10.939 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030611.D

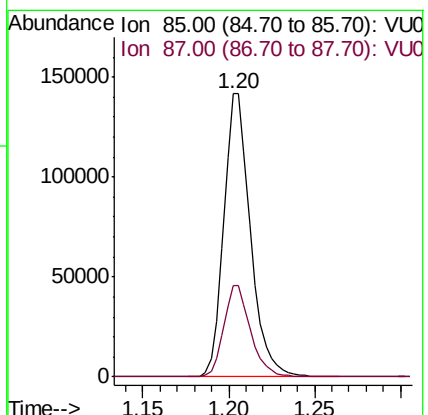
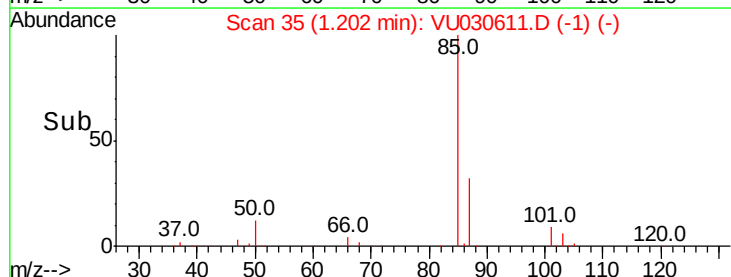
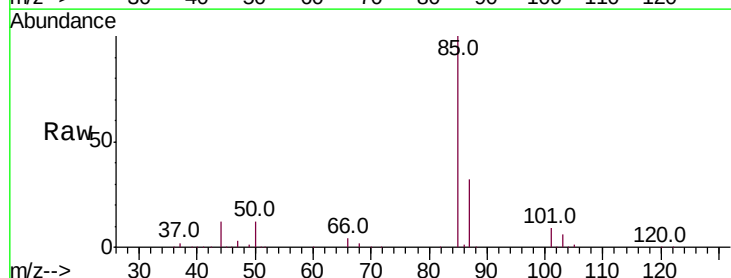
Acq: 02 Apr 2019 19:52

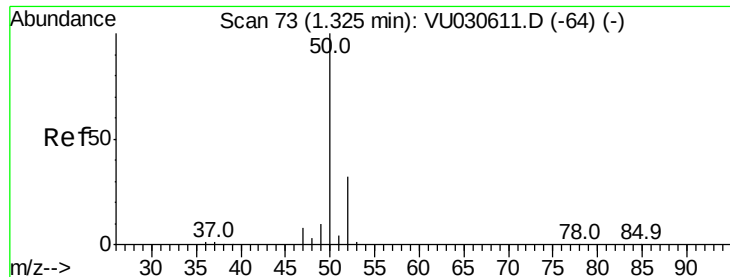
Tgt Ion: 85 Resp: 154192

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3





#3

Chloromethane

Concen: 11.011 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 50 Resp: 175948

Ion Ratio Lower Upper

50 100

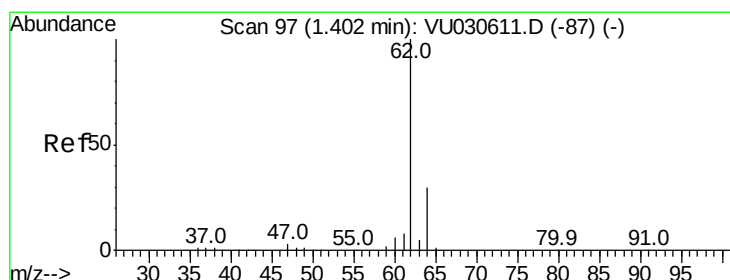
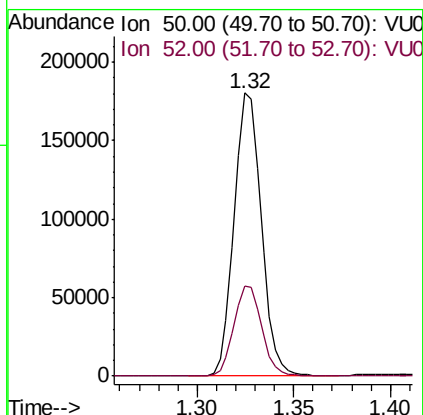
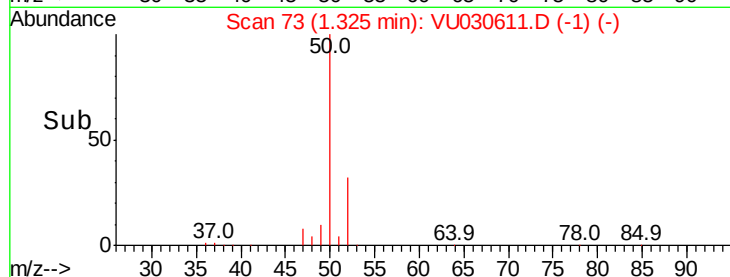
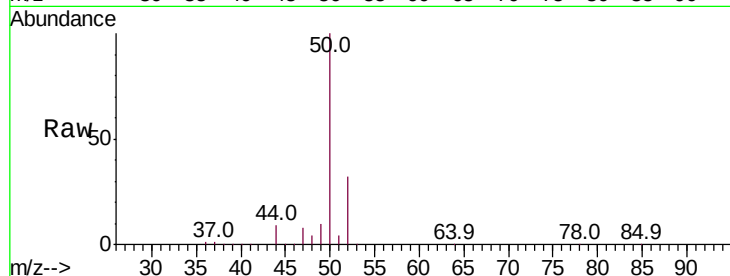
52 31.9 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 12.426 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030611.D

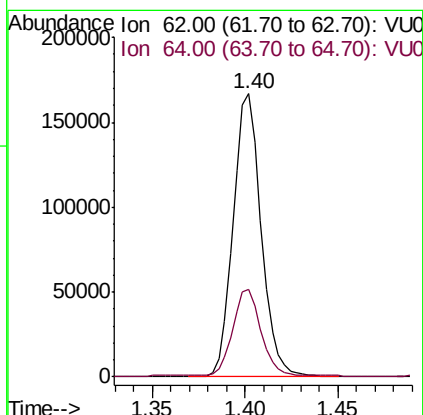
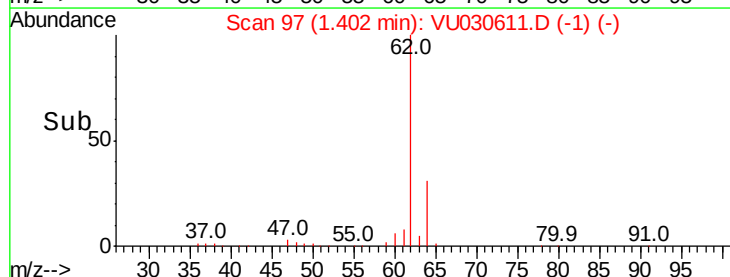
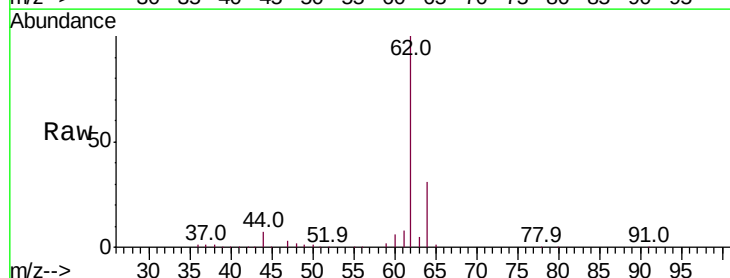
Acq: 02 Apr 2019 19:52

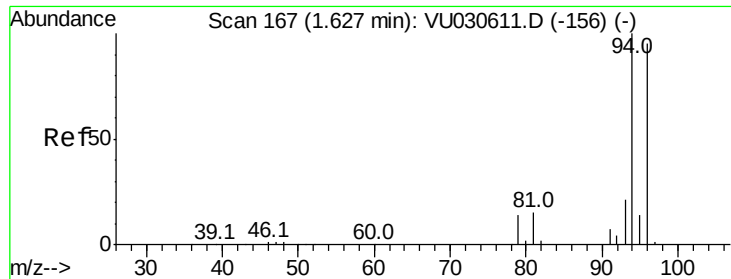
Tgt Ion: 62 Resp: 175324

Ion Ratio Lower Upper

62 100

64 30.4 24.3 36.5





#5

Bromomethane

Concen: 9.742 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 94 Resp: 75728

Ion Ratio Lower Upper

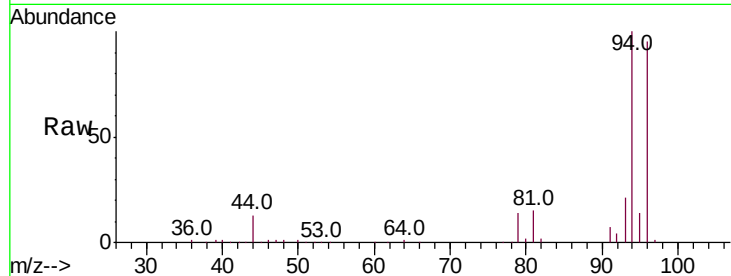
94 100

96 94.9 75.9 113.9

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VU030611.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030611.D (-156) (-)

1.63

60000

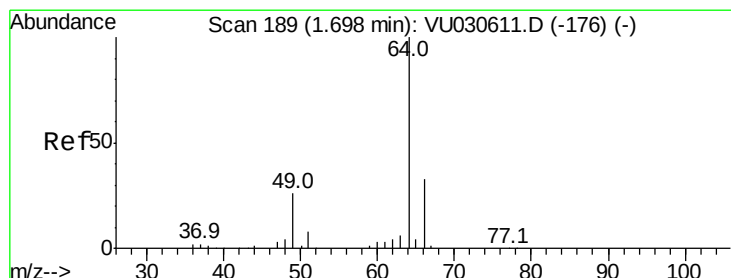
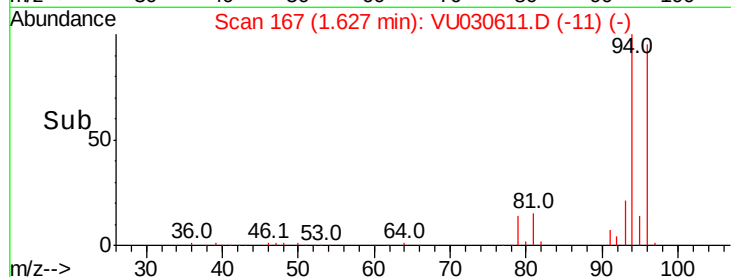
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 12.134 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030611.D

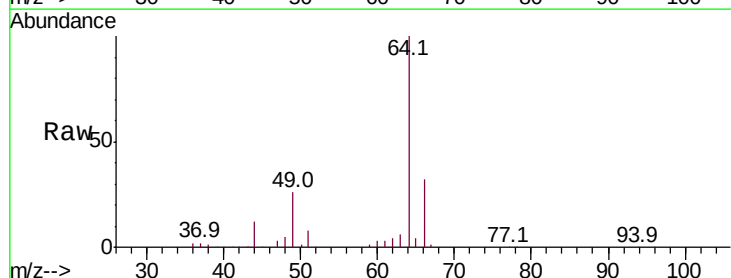
Acq: 02 Apr 2019 19:52

Tgt Ion: 64 Resp: 98157

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU030611.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU030611.D (-176) (-)

1.70

80000

60000

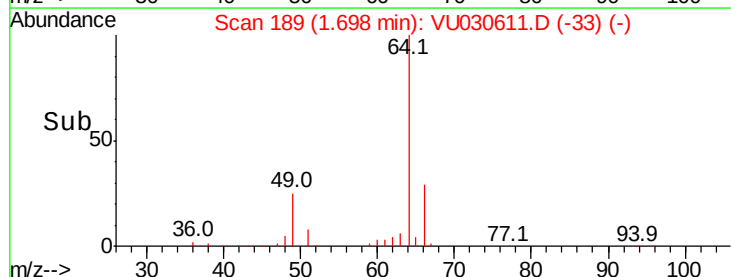
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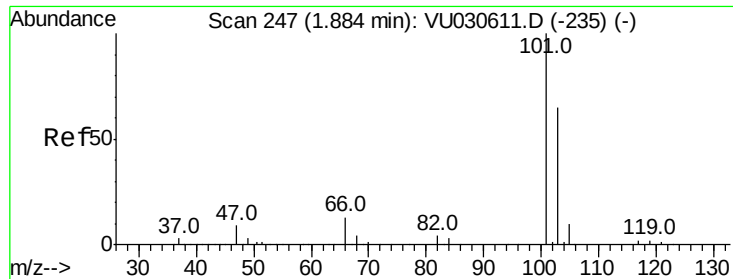
20000

0

1.65 1.70 1.75

Time-->





#7

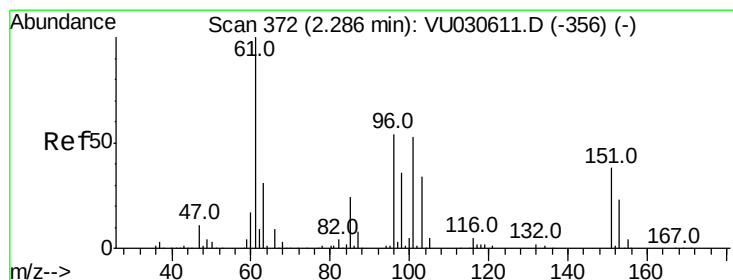
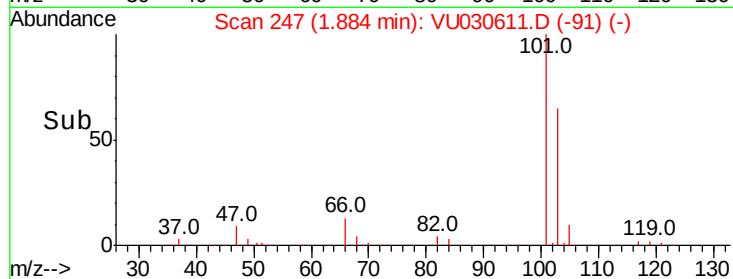
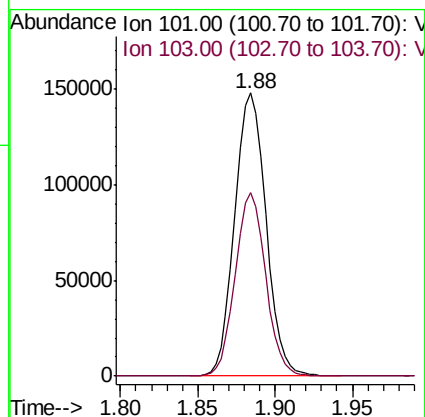
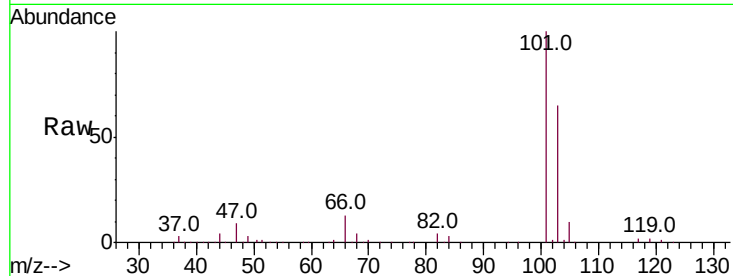
Trichlorofluoromethane
 Concen: 11.555 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		208067		
103	64.7	51.8		77.6	

Manual Integrations
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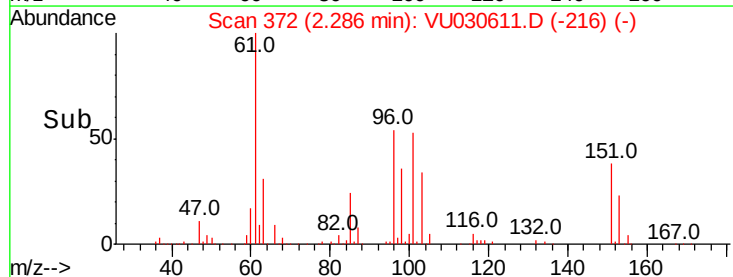
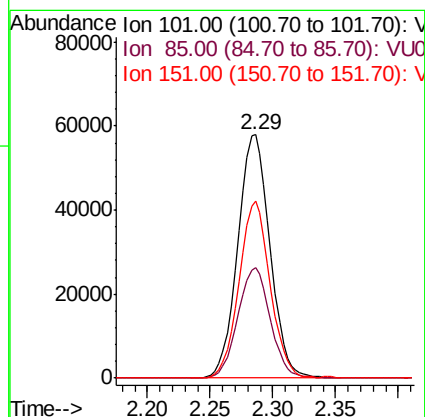
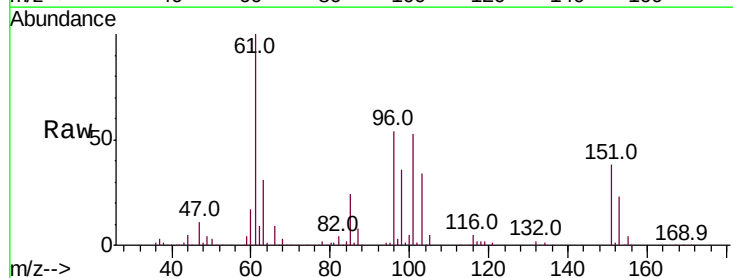
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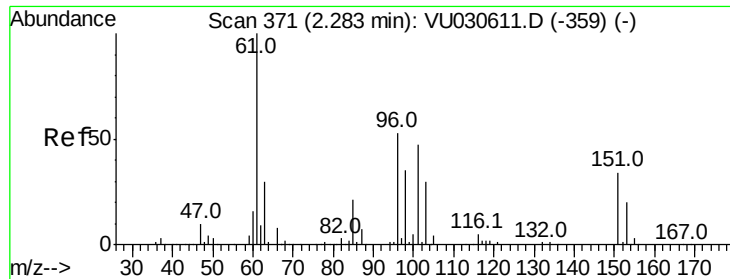


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.748 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		103594		
85	45.6	36.5		54.7	
151	69.6	55.7		83.5	





#9

1,1-Dichloroethene

Concen: 10.616 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

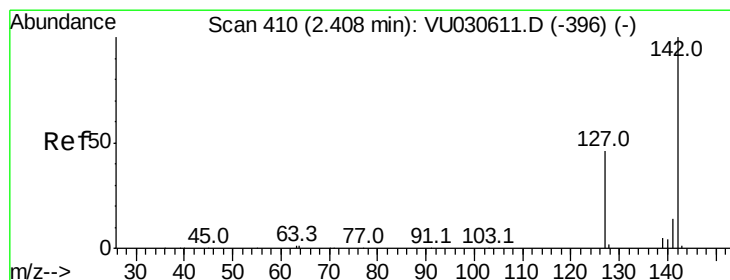
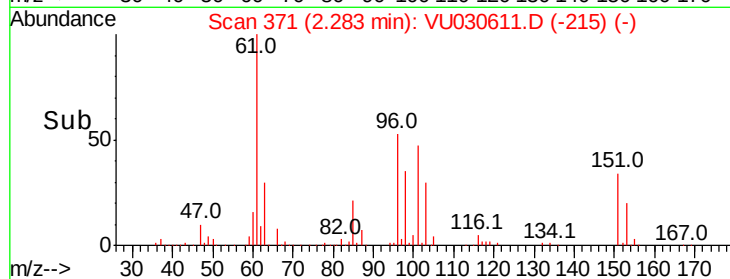
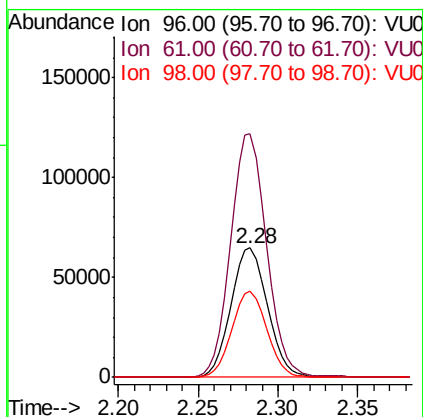
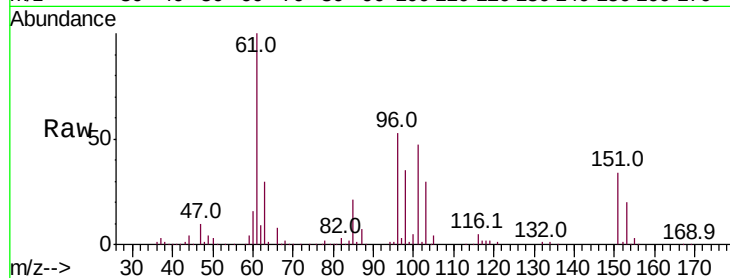
VSTDICCC010

Tot Ion:	96	Resp:	100941
Ion Ratio	Lower	Upper	
96	100		
61	188.0	0.0	564.0
98	66.1	0.0	132.2

Manual Integrations
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#10

Iodomethane

Concen: 15.961 ug/l

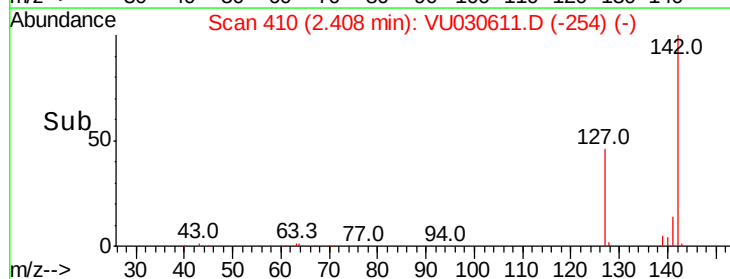
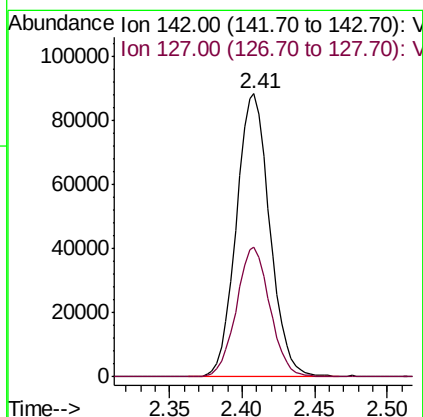
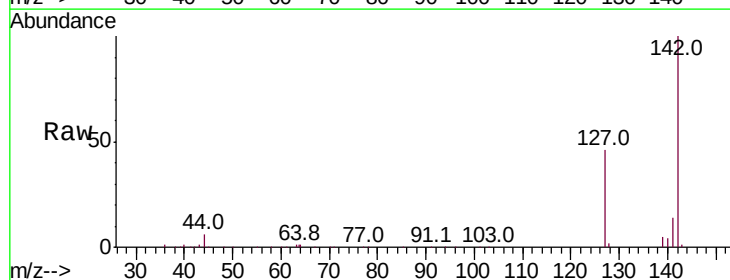
RT: 2.41 min Scan# 410

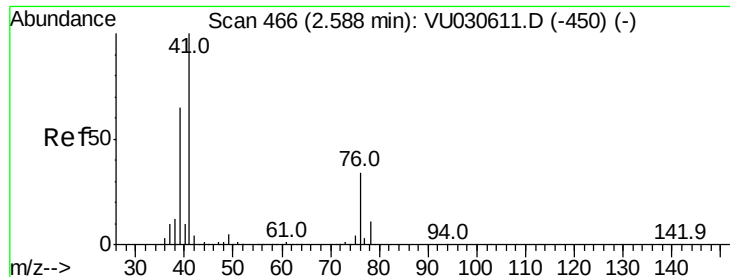
Delta R.T. 0.00 min

Lab File: VU030611.D

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Tgt Ion:	142	Resp:	141899
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.9	55.3





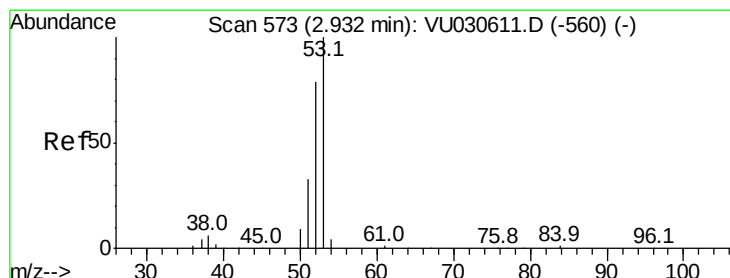
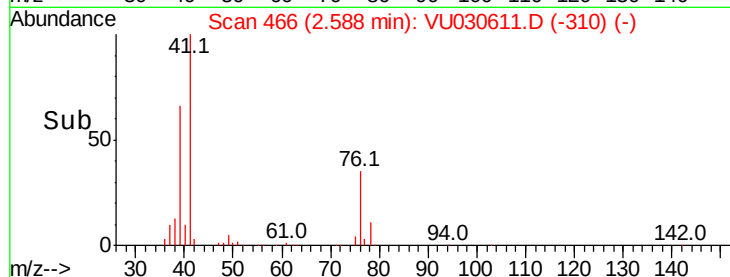
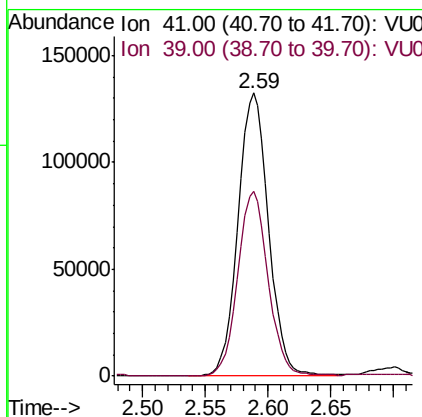
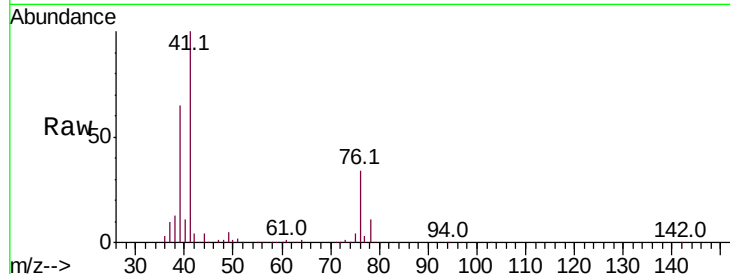
#11
Allvl Chloride
Concen: 15.049 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 41 Resp: 222537
Ion Ratio Lower Upper
41 100
39 65.3 52.2 78.4

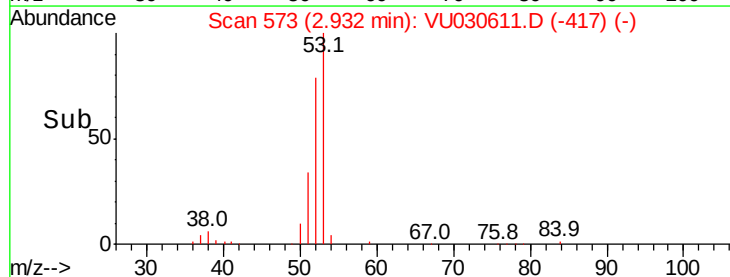
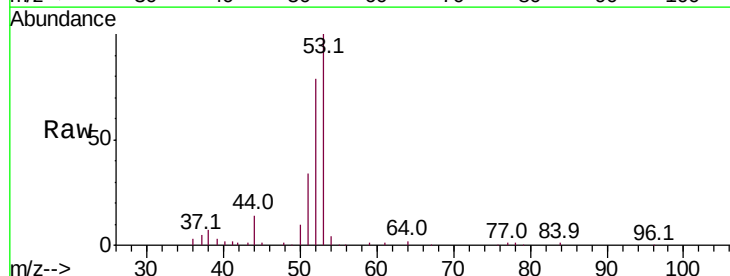
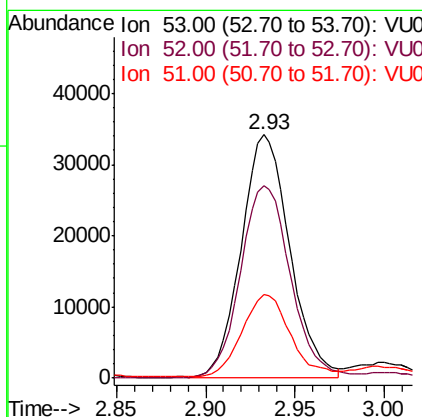
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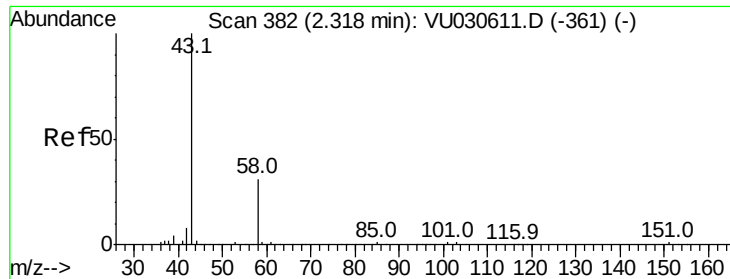
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#12
Acrylonitrile
Concen: 28.804 ug/l
RT: 2.93 min Scan# 573
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion: 53 Resp: 64564
Ion Ratio Lower Upper
53 100
52 82.7 66.2 99.2
51 34.1 27.3 40.9





#13

Acetone

Concen: 72.838 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 144023

Ion Ratio Lower Upper

43 100

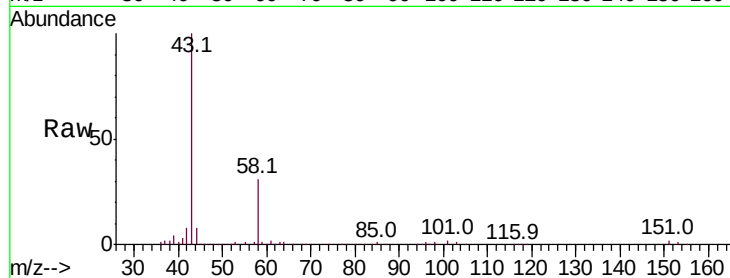
58 30.9 24.7 37.1

Manual Integrations

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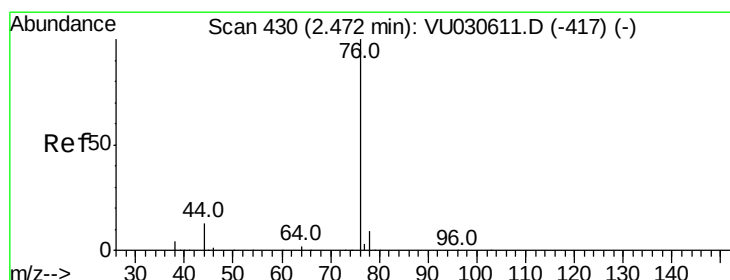
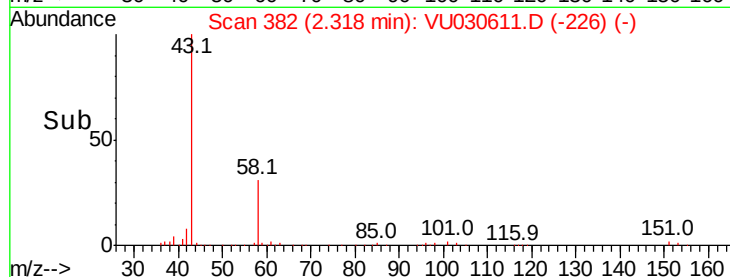
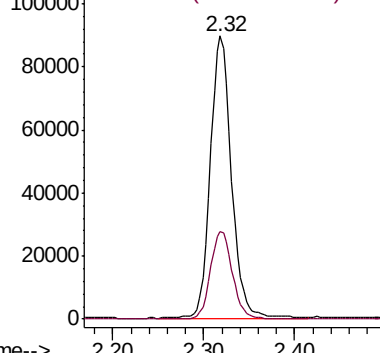
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 10.836 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030611.D

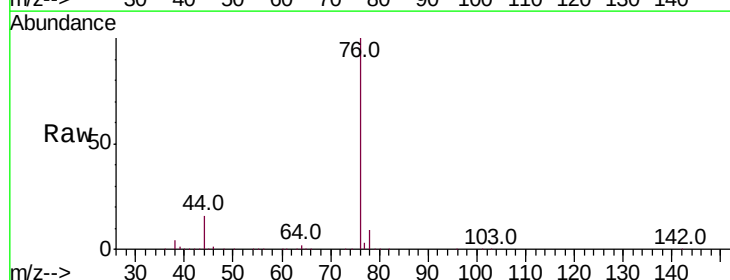
Acq: 02 Apr 2019 19:52

Tgt Ion: 76 Resp: 361148

Ion Ratio Lower Upper

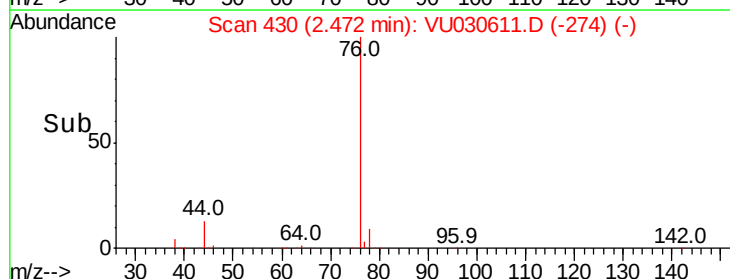
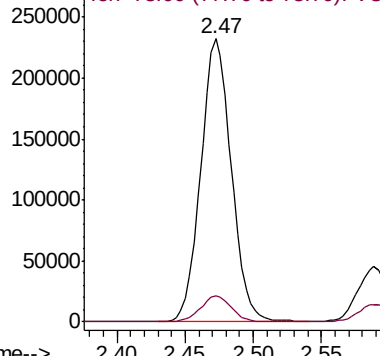
76 100

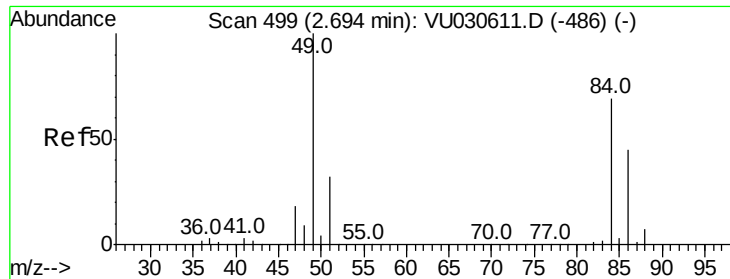
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15
Methvlene Chloride
Concen: 10.589 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

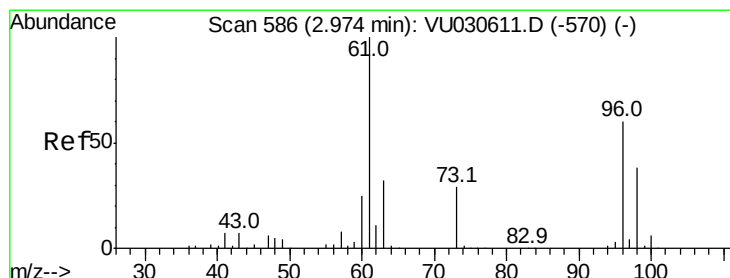
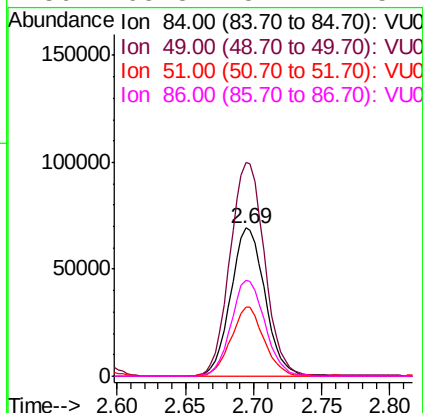
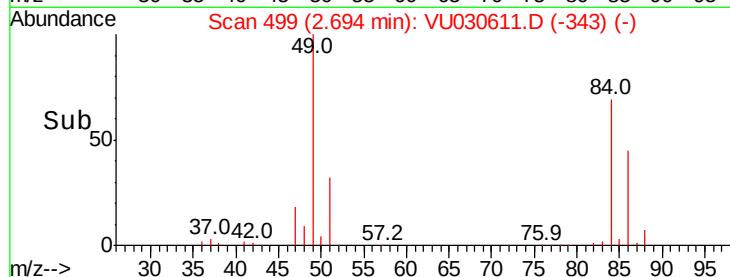
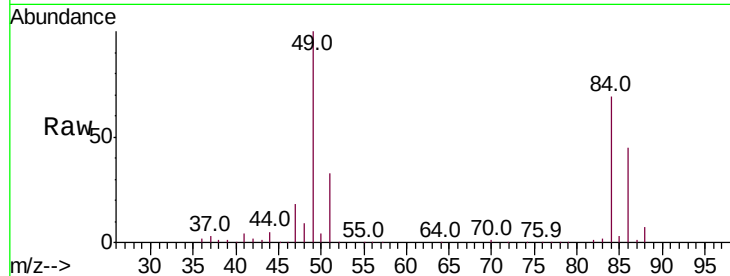
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	84	Resp	120974
Ion	Ratio	Lower	Upper
84	100		
49	144.3	115.4	173.2
51	46.7	0.0	93.4
86	65.3	52.2	78.4

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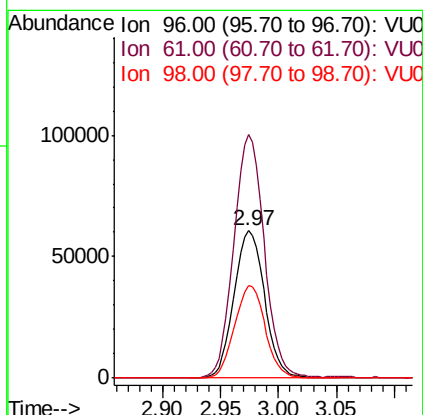
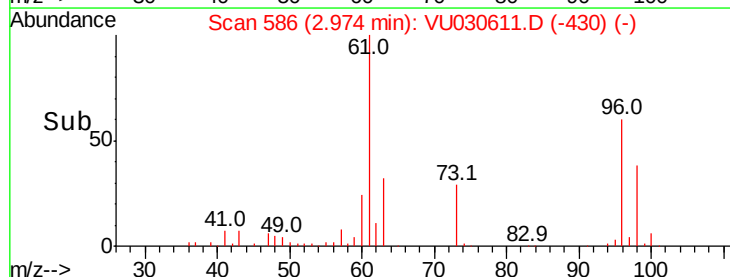
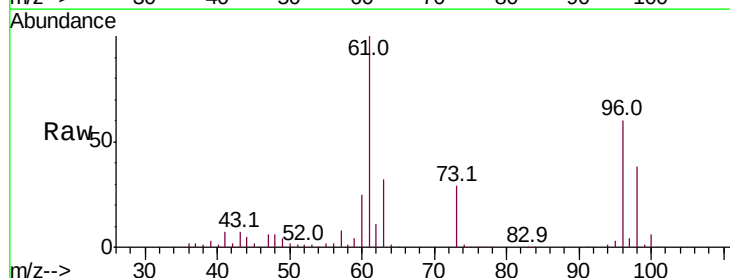
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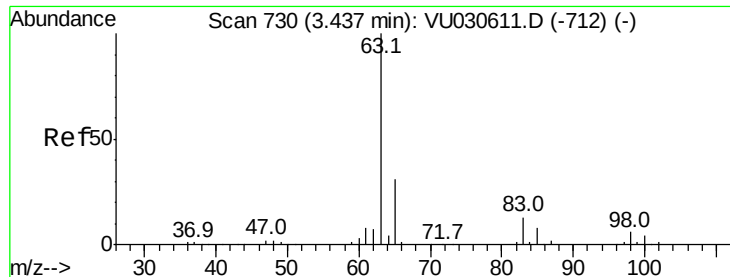
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#16
trans-1,2-Dichloroethene
Concen: 10.232 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion	96	Resp	111749
Ion	Ratio	Lower	Upper
96	100		
61	165.3	132.2	198.4
98	62.8	50.2	75.4





#17
 1,1-Dichloroethane
 Concen: 12.213 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

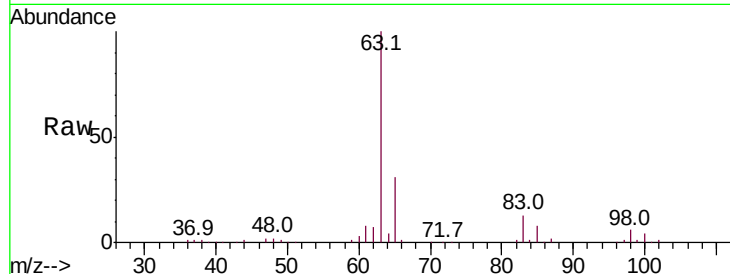
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.0	3.0	9.0	
100	3.9	2.0	5.8	

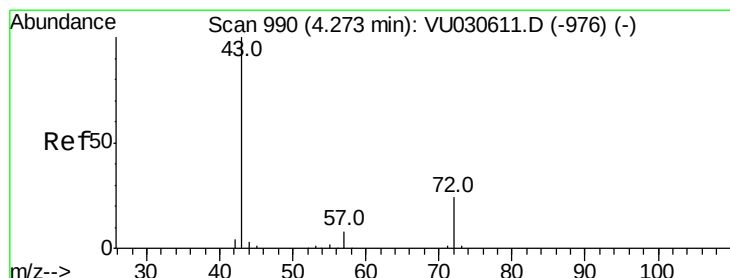
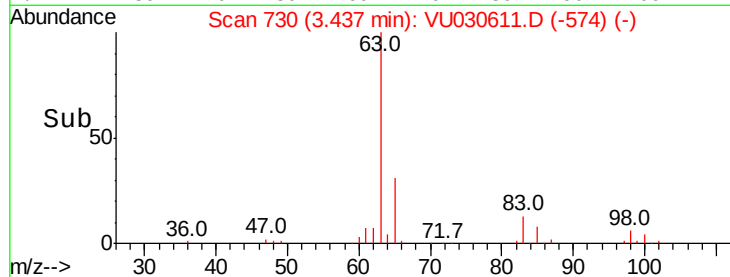
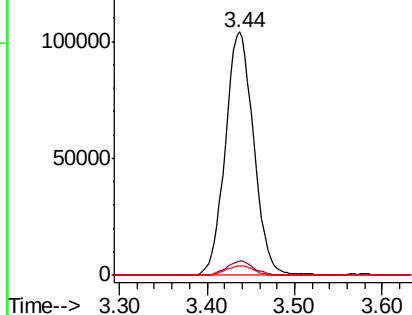
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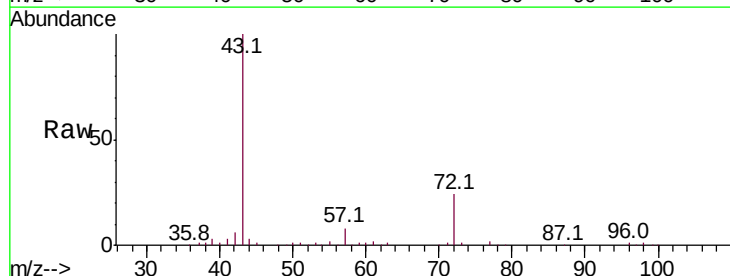


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

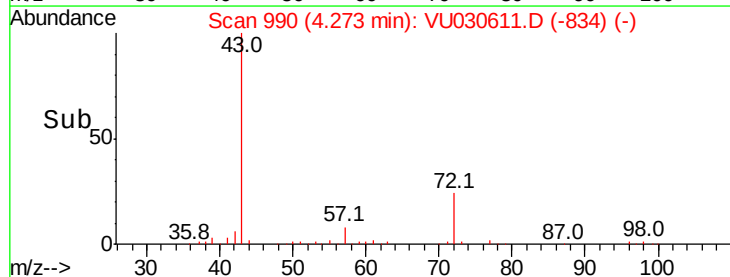
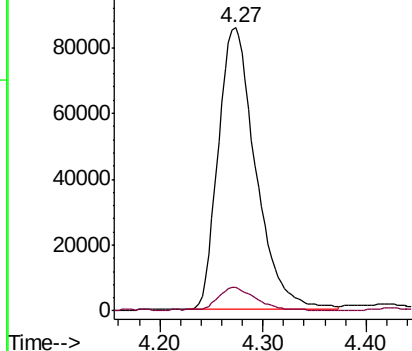


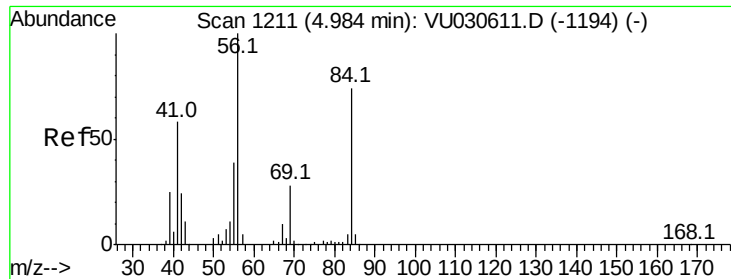
#18
 2-Butanone
 Concen: 78.409 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.2	0.0	16.4	



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19
Cyclohexane
Concen: 12.516 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

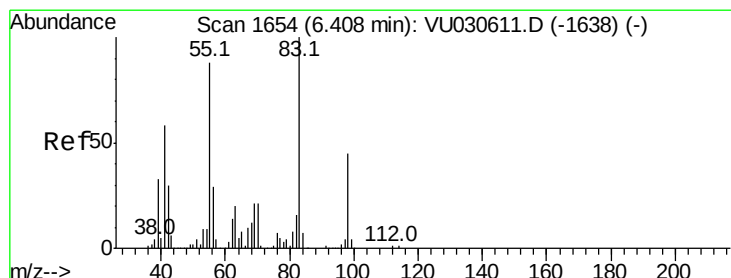
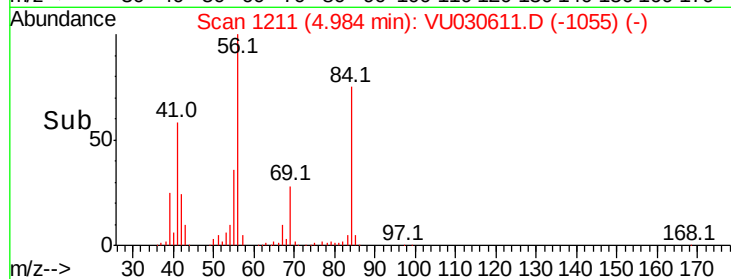
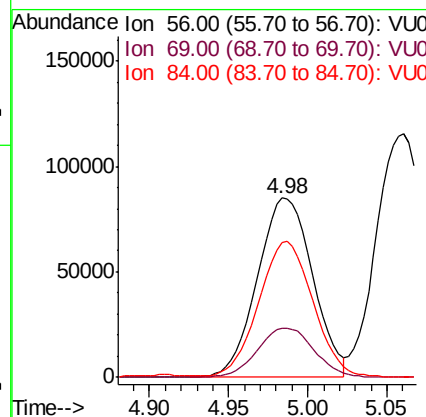
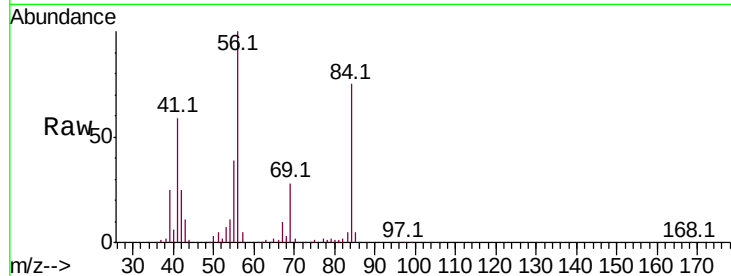
Instrument :
MSVOA_U
ClientSampled :
VSTDICCC010

Tot Ion:	56	Resp:	205677
Ion Ratio	Lower	Upper	
56	100		
69	27.8	22.1	33.1
84	73.3	58.1	87.1

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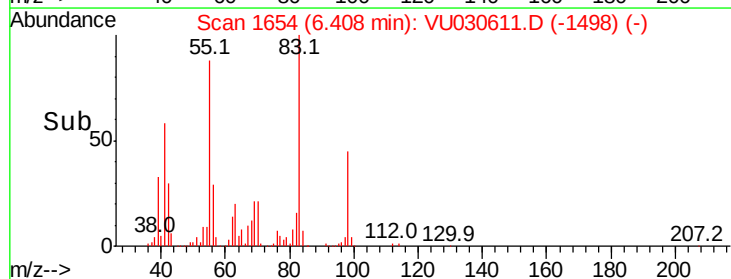
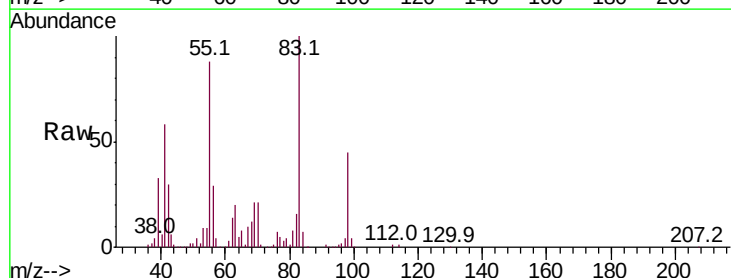
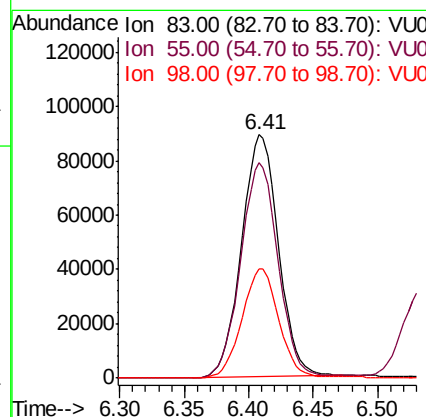
MMDadoda

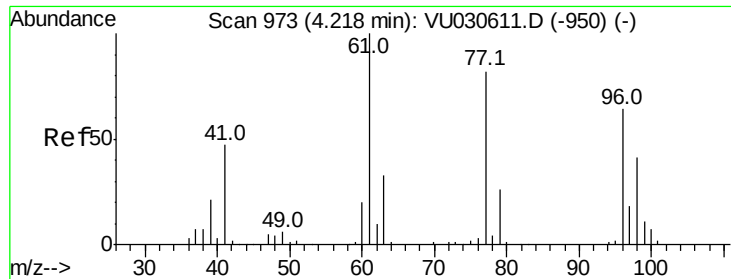
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#20
Methylcyclohexane
Concen: 10.283 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion:	83	Resp:	177339
Ion Ratio	Lower	Upper	
83	100		
55	89.8	71.8	107.8
98	44.4	35.5	53.3





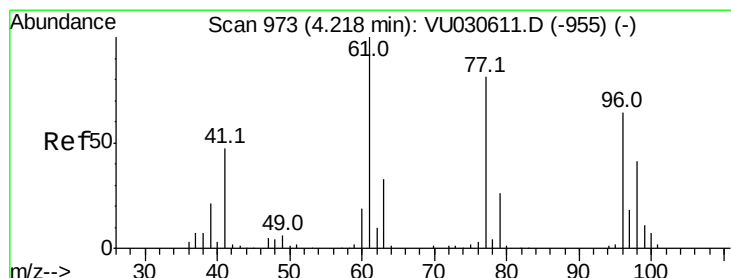
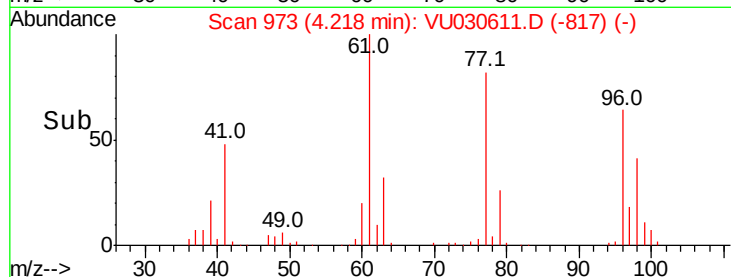
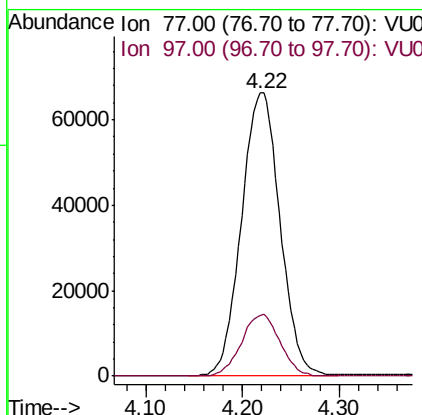
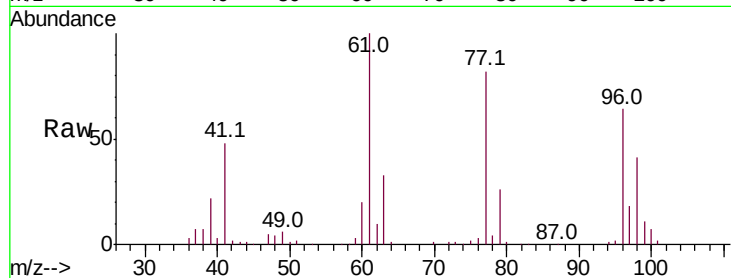
#21
2,2-Dichloropropane
Concen: 11.525 ug/l
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 77 Resp: 184049
Ion Ratio Lower Upper
77 100
97 21.7 17.4 26.0

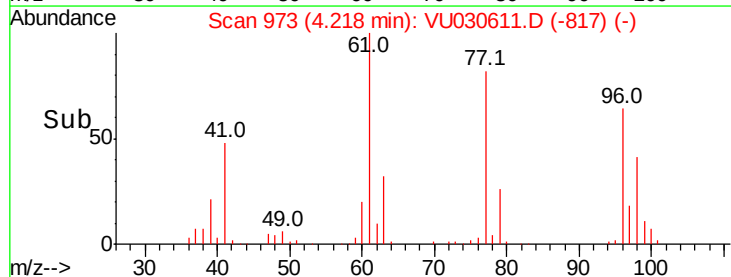
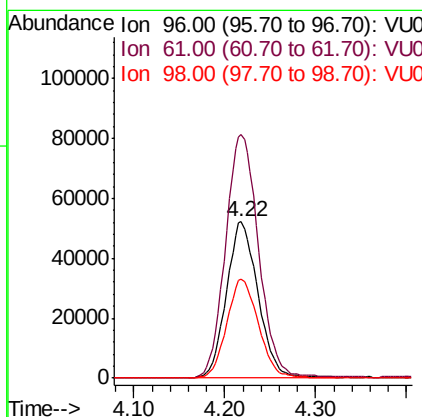
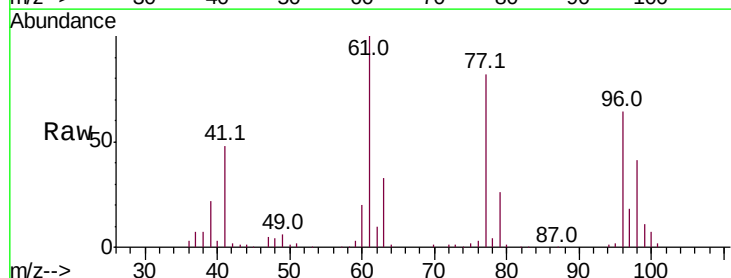
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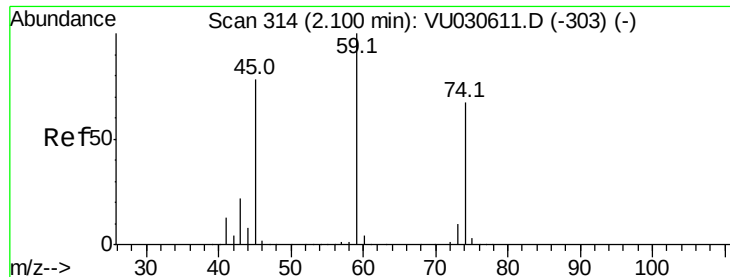
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#22
cis-1,2-Dichloroethene
Concen: 10.397 ug/l
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion: 96 Resp: 126331
Ion Ratio Lower Upper
96 100
61 162.4 0.0 406.0
98 63.4 31.7 95.1





#23
Diethyl Ether
Concen: 13.418 ug/l
RT: 2.10 min Scan# 314
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

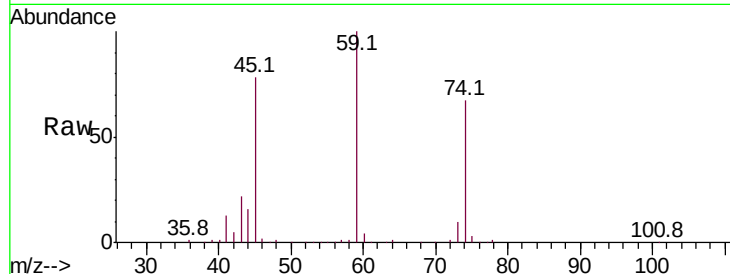
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	59	45	74
Resp: 100855	100	78.4	67.9
Lower		62.7	54.3
Upper		94.1	81.5

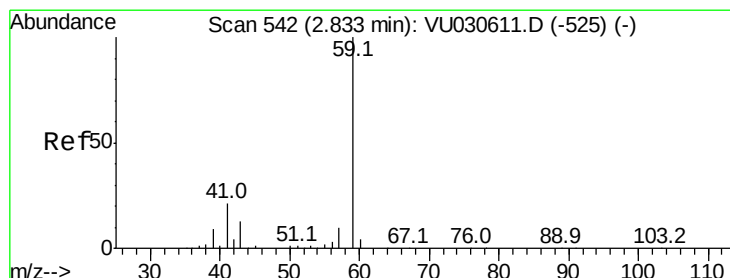
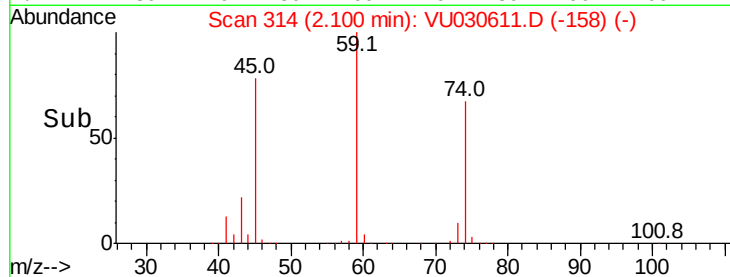
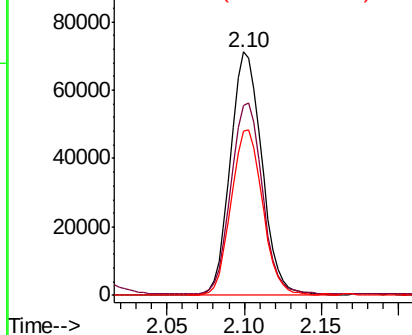
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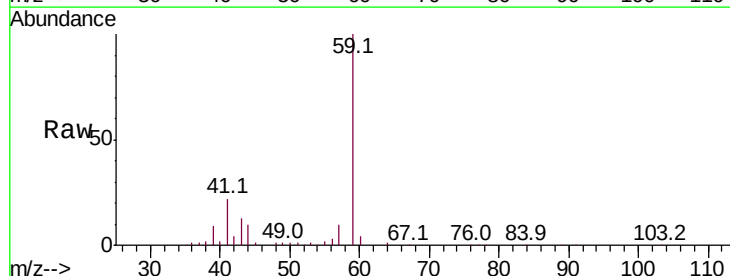


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

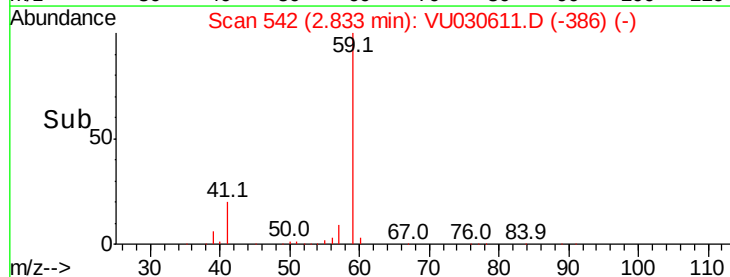
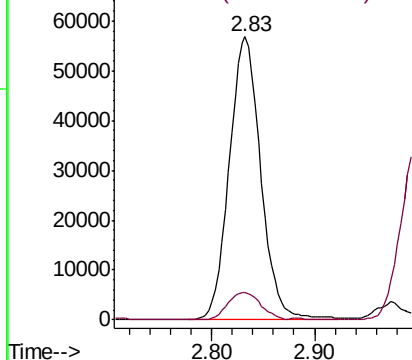


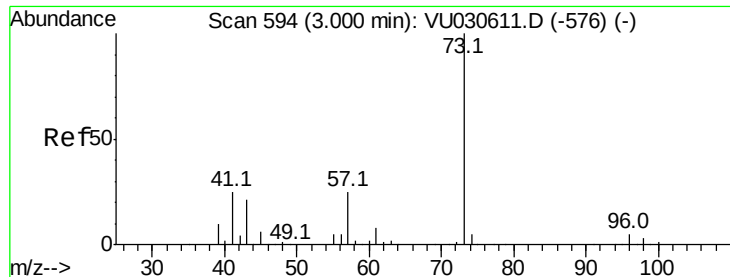
#24
tert-Butyl Alcohol
Concen: 145.441 ug/l
RT: 2.83 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion	59	57
Resp: 121009	100	10.3
Lower		8.2
Upper		12.4



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





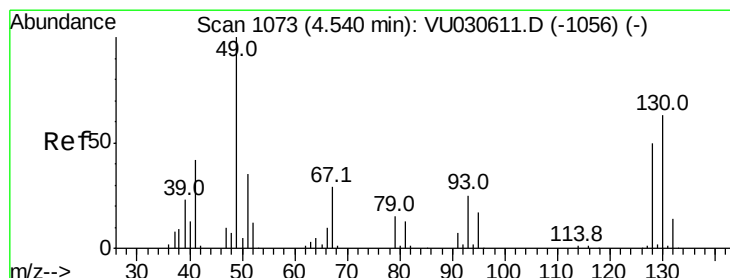
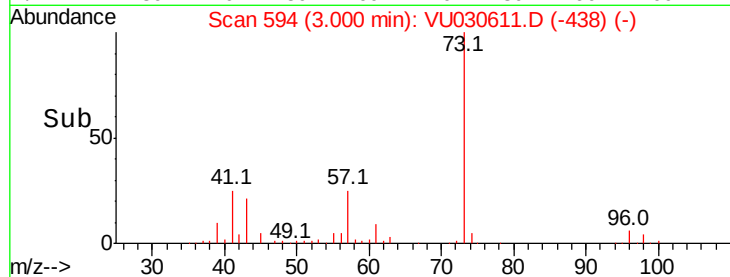
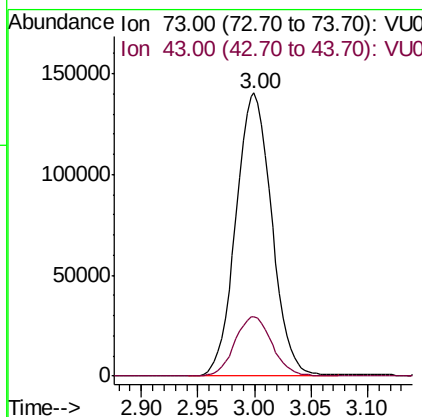
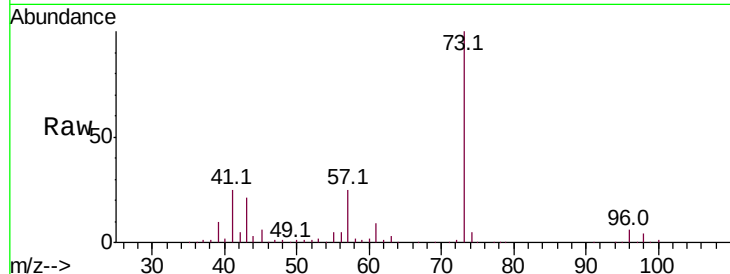
#25
Methyl tert-Butyl Ether
Concen: 12.461 ug/l
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 73 Resp: 311046
Ion Ratio Lower Upper
73 100
43 21.3 17.0 25.6

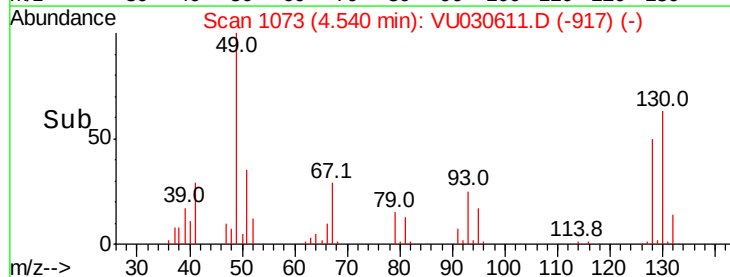
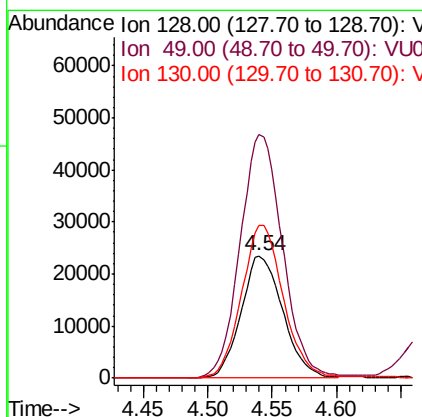
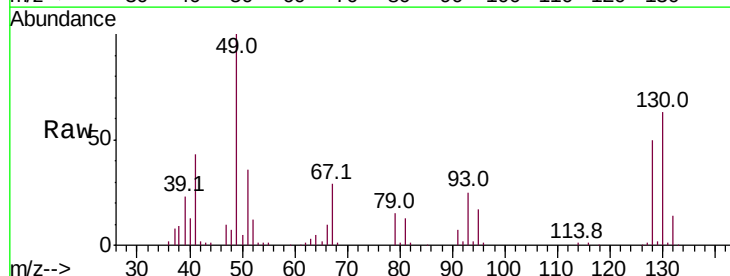
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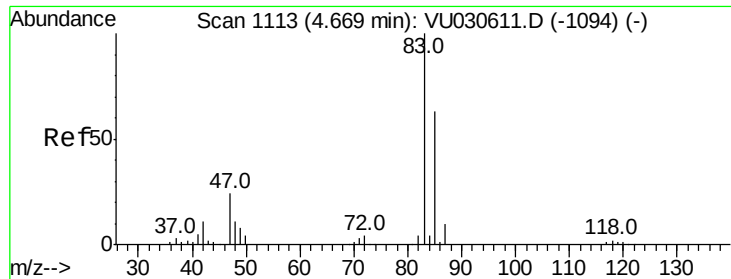
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#26
Bromochloromethane
Concen: 10.019 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion: 128 Resp: 53035
Ion Ratio Lower Upper
128 100
49 202.4 0.0 404.8
130 125.2 100.2 150.2





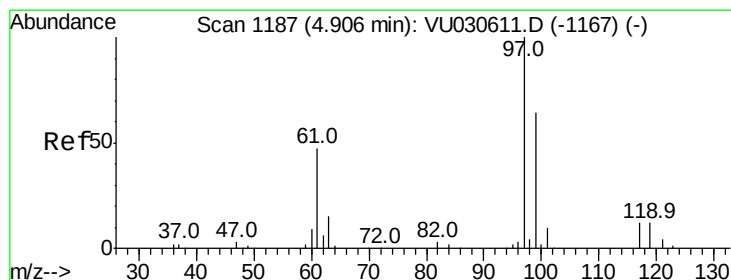
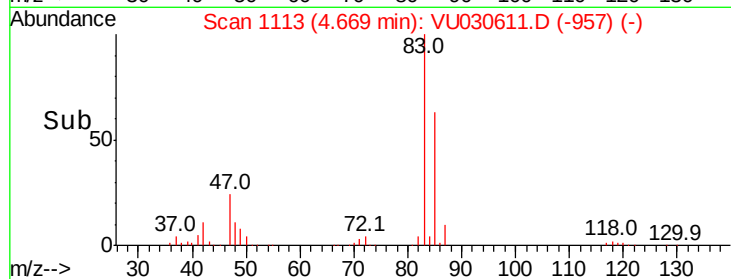
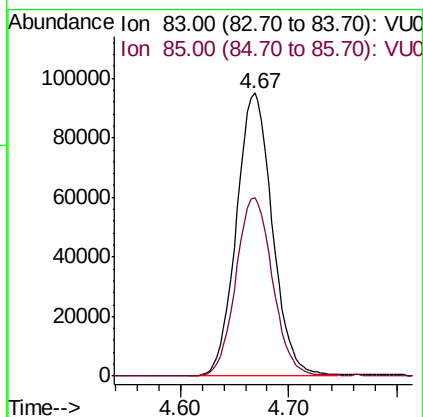
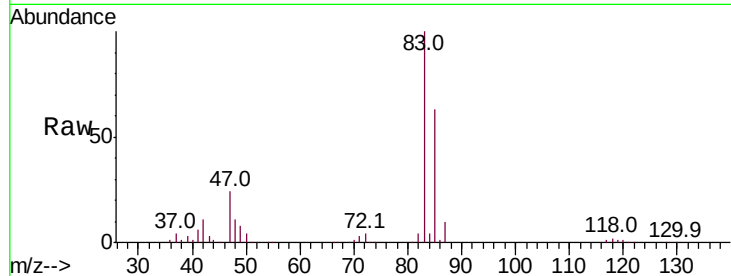
#27
Chloroform
Concen: 11.130 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 220984
Ion Ratio Lower Upper
83 100
85 63.0 0.0 126.0

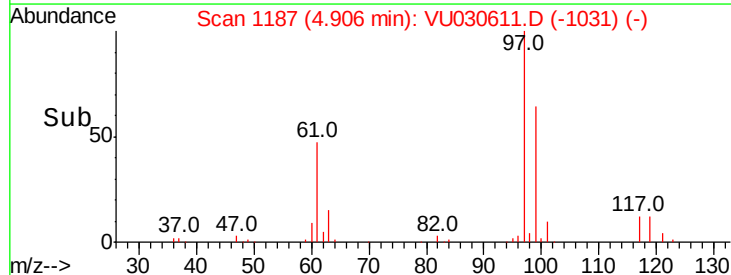
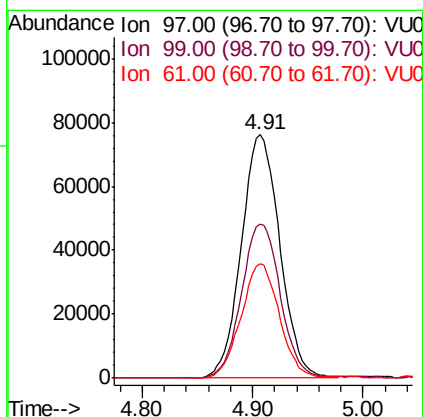
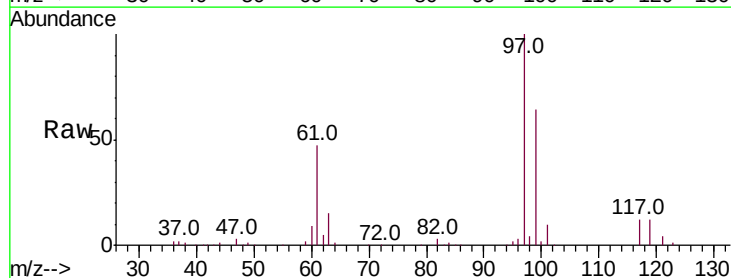
Manual Integrations
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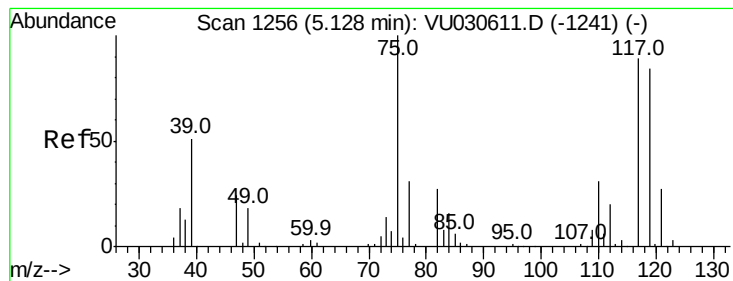
MMDadoda
4/3/2019 11:44:07 AM



#28
1,1,1-Trichloroethane
Concen: 11.357 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion: 97 Resp: 184337
Ion Ratio Lower Upper
97 100
99 63.9 31.9 95.9
61 46.7 23.4 70.0





#29

1,1-Dichloropropene

Concen: 11.235 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

Tot Ion: 75 Resp: 165736
Ion Ratio Lower Upper

75 100

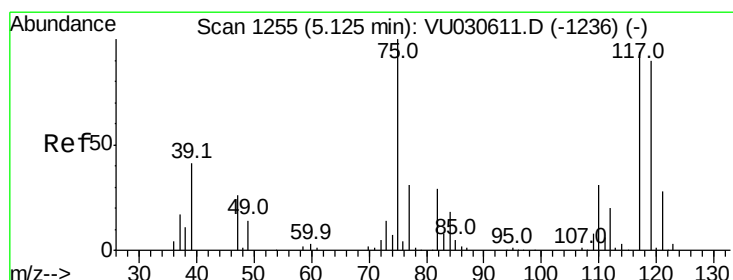
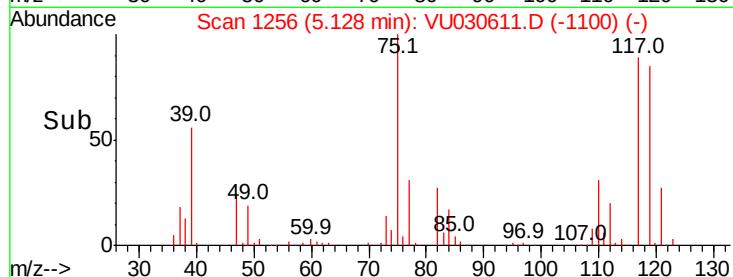
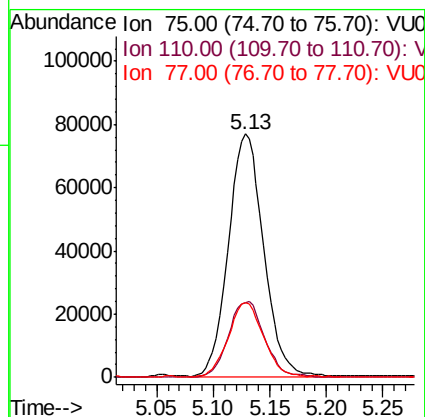
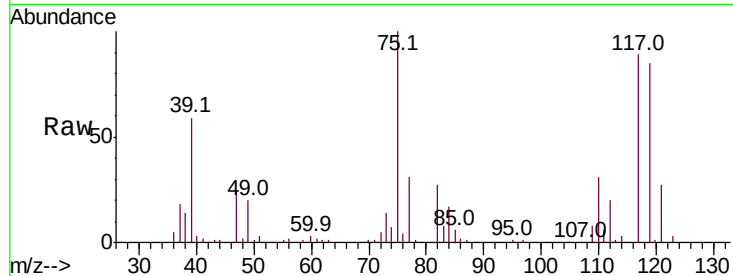
110 32.3 16.2 48.5

77 30.7 24.6 36.8

Manual Integrations
APPROVED

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#30

Carbon Tetrachloride

Concen: 11.103 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030611.D

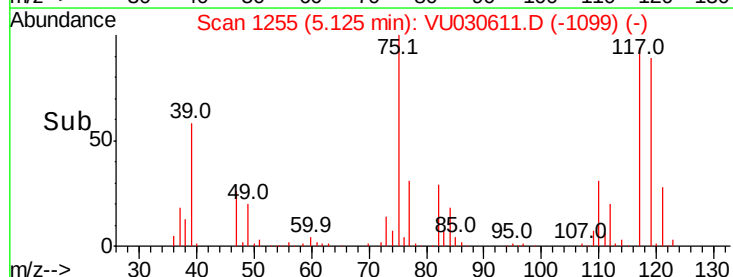
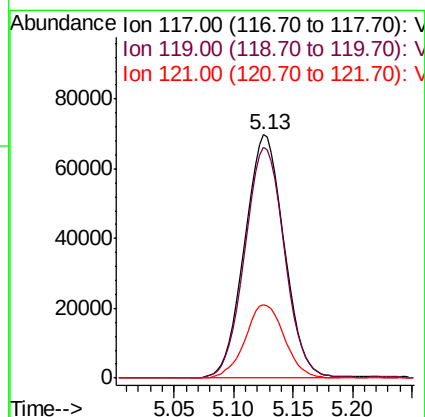
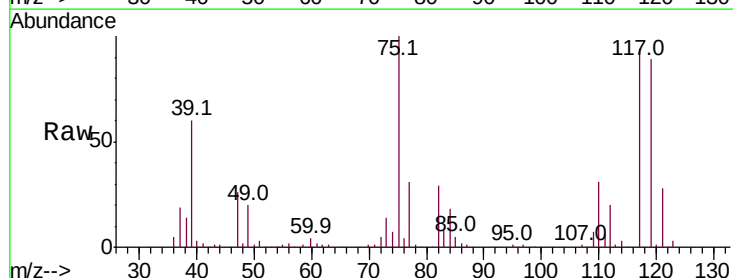
Acq: 02 Apr 2019 19:52

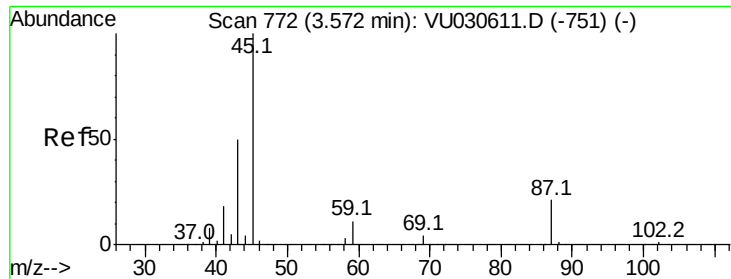
Tgt Ion: 117 Resp: 160535
Ion Ratio Lower Upper

117 100

119 94.9 75.9 113.9

121 30.2 24.2 36.2





#31

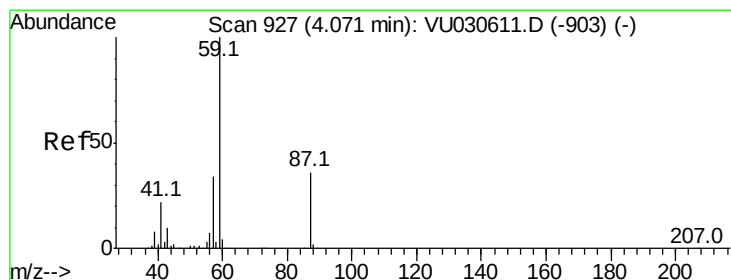
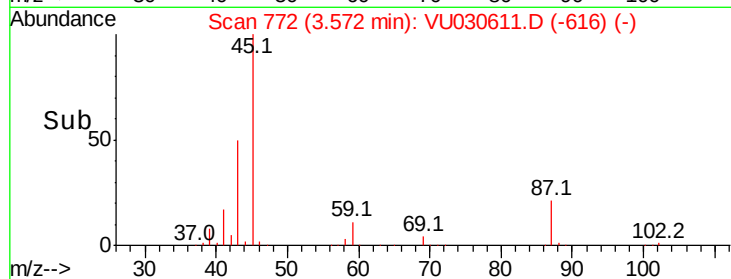
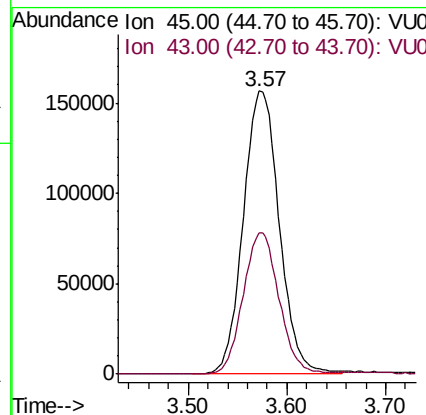
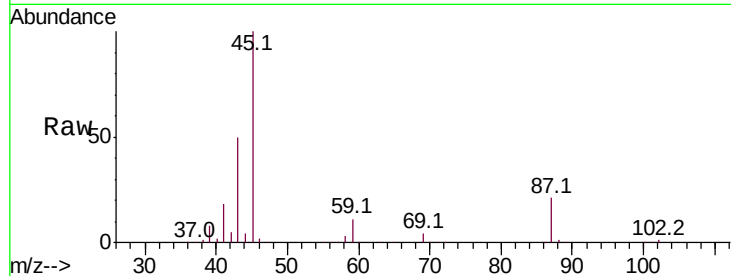
Isopropyl Ether
 Concen: 14.103 ug/l
 RT: 3.57 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	45	43	Ratio	100	50.0	Resp	395953	Lower	25.0	Upper	75.0
Ion	45	43	Ratio	100	50.0	Resp	395953	Lower	25.0	Upper	75.0

Manual Integrations
 APPROVED

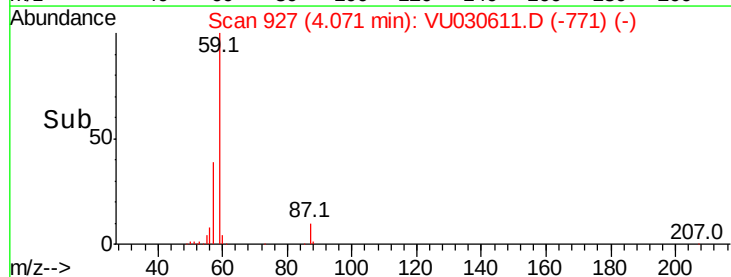
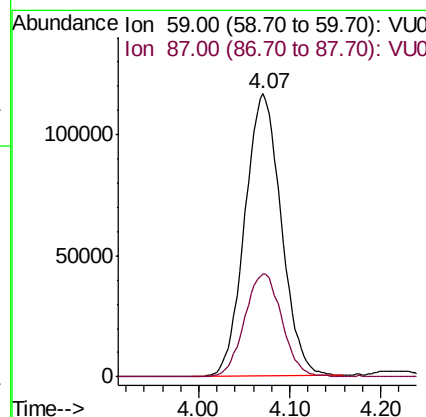
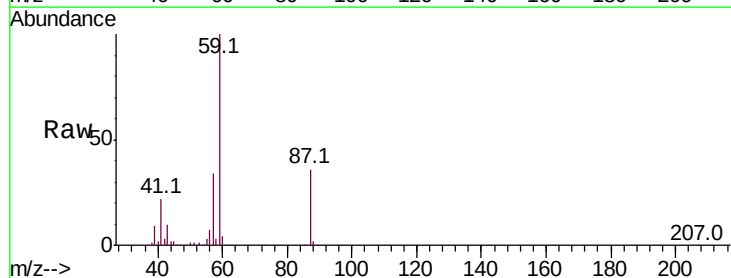
MMDadoda
 4/3/2019 11:44:07 AM

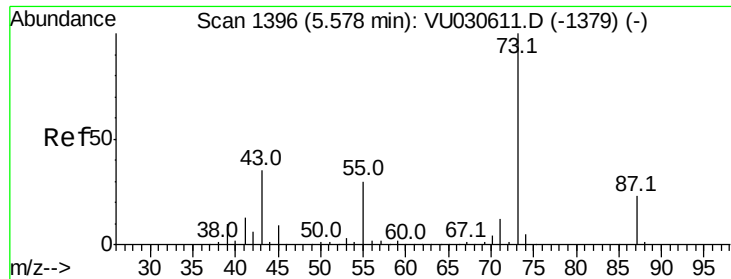


#32

Ethyl-t-butyl ether
 Concen: 12.442 ug/l
 RT: 4.07 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Tgt Ion	59	87	Ratio	100	36.9	Resp	323457	Lower	29.5	Upper	44.3
Ion	59	87	Ratio	100	36.9	Resp	323457	Lower	29.5	Upper	44.3





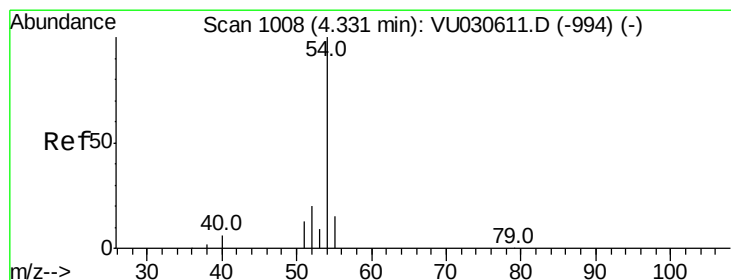
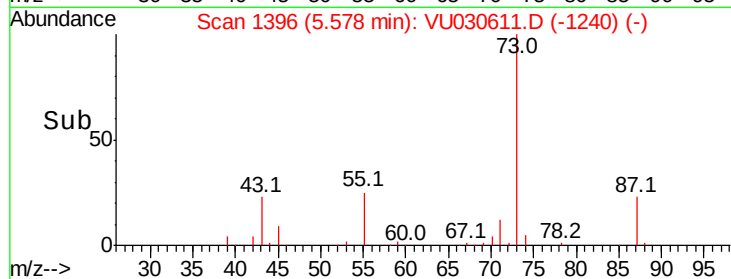
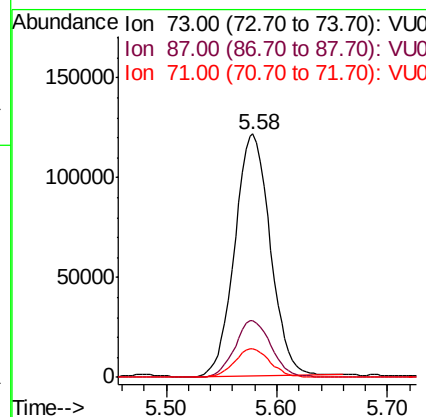
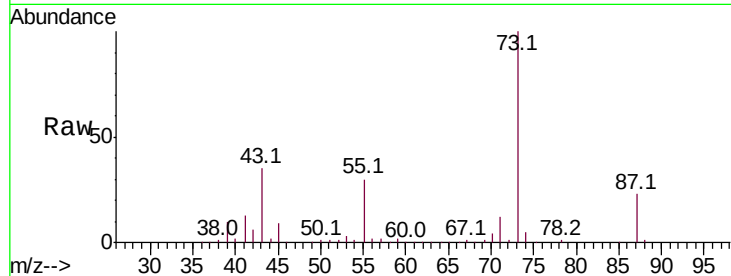
#33
Tert-Butyl methyl ether
Concen: 11.595 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.4	18.7	28.1
71	11.7	9.4	14.0

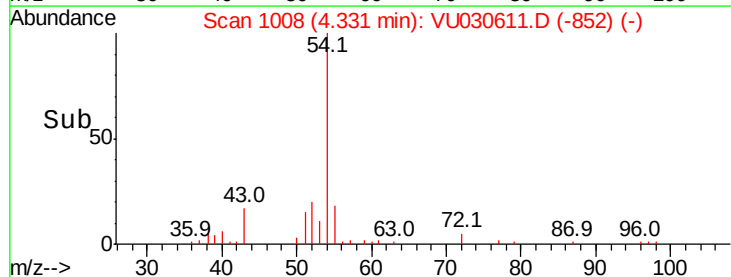
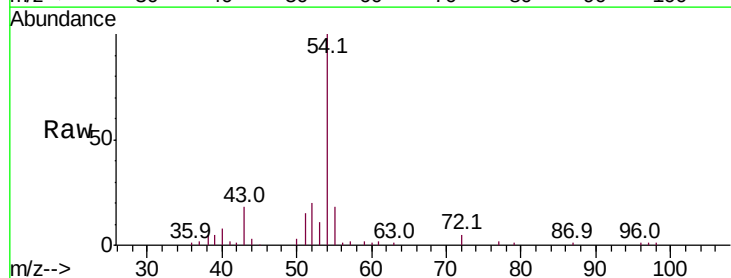
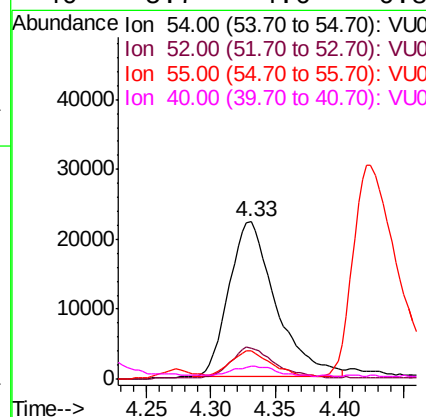
Manual Integrations
APPROVED

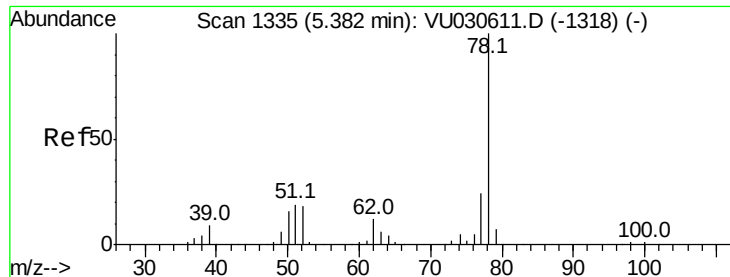
MMDadoda
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#34
Propionitrile
Concen: 74.693 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.1	15.3	22.9
55	14.2	11.4	17.0
40	5.7	4.6	6.8





#35

Benzene

Concen: 11.139 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 78 Resp: 480403

Ion Ratio Lower Upper

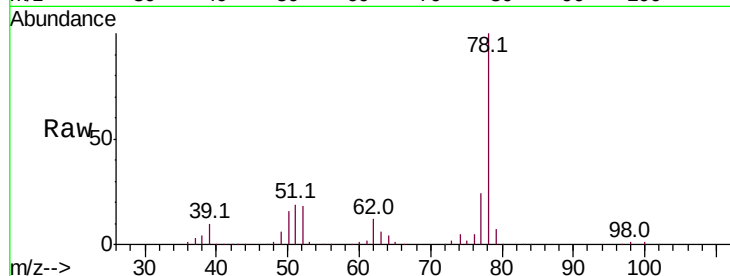
78 100

77 24.3 19.4 29.2

Manual Integrations
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Abundance Ion 78.10 (77.80 to 78.80): VU030611.D (-1318) (-)

Ion 77.00 (76.70 to 77.70): VU030611.D (-1318) (-)

5.38

250000

200000

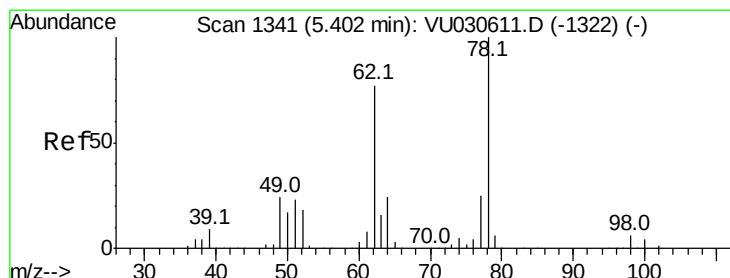
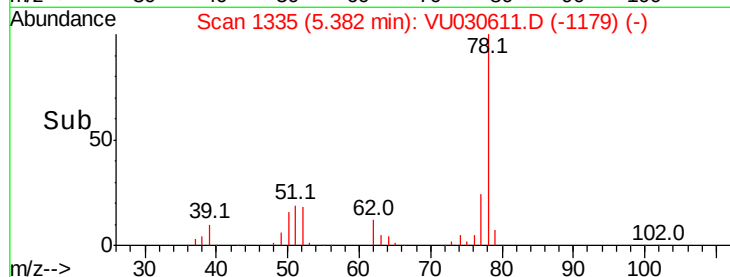
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 12.584 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030611.D

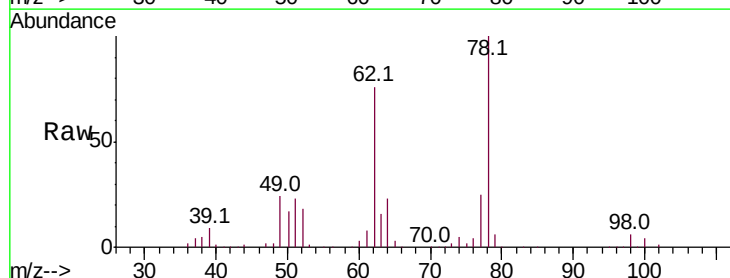
Acq: 02 Apr 2019 19:52

Tgt Ion: 62 Resp: 150669

Ion Ratio Lower Upper

62 100

98 8.1 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU030611.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU030611.D (-1322) (-)

5.40

80000

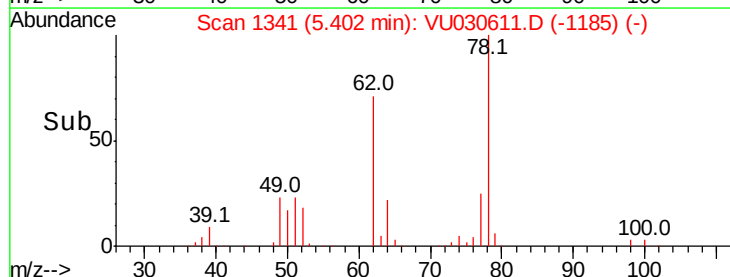
60000

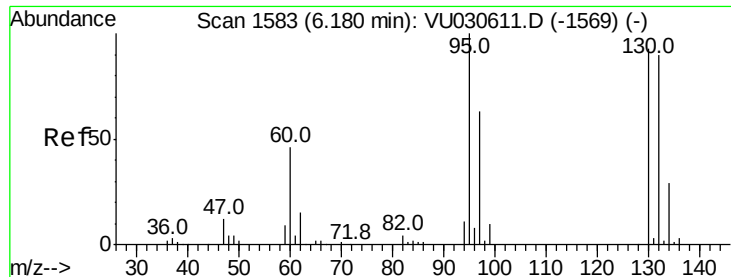
40000

20000

0

Time-->





#37

Trichloroethene

Concen: 9.526 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:130 Resp: 114871

Ion Ratio Lower Upper

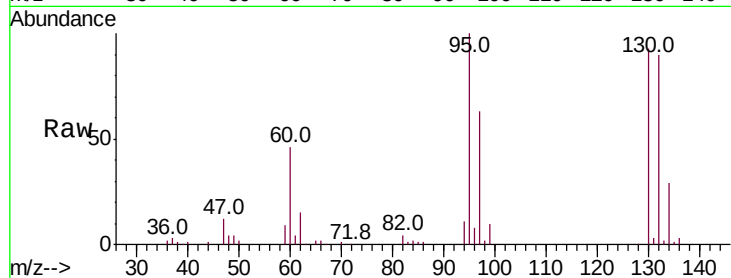
130 100

95 107.1 85.7 128.5

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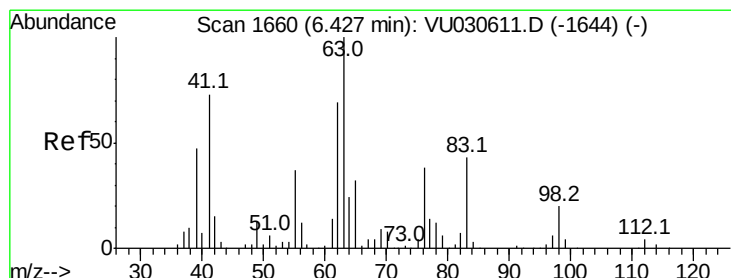
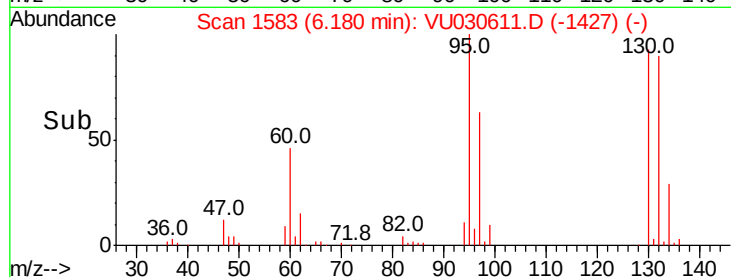
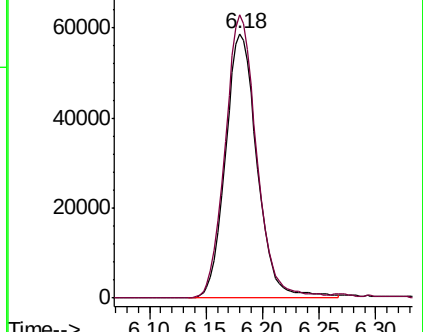
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): VU030611.D (-1569) (-)

Ion 94.90 (94.60 to 95.60): VU030611.D (-1569) (-)



#38

1,2-Dichloropropane

Concen: 12.184 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU030611.D

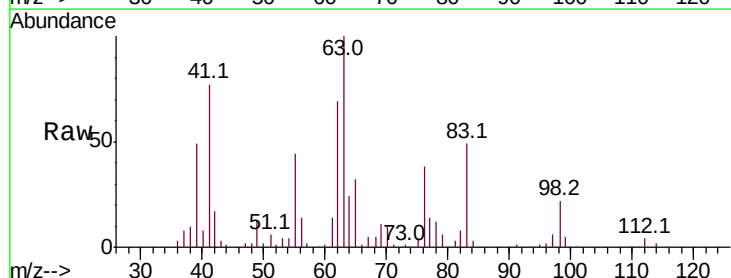
Acq: 02 Apr 2019 19:52

Tgt Ion: 63 Resp: 136754

Ion Ratio Lower Upper

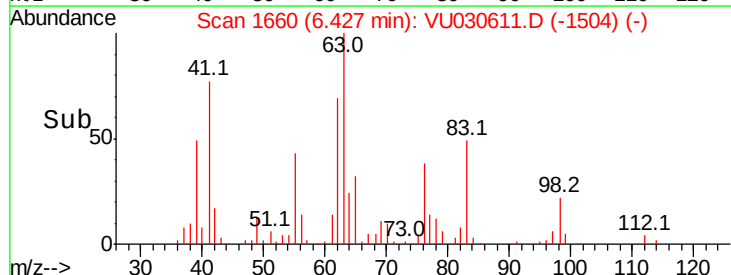
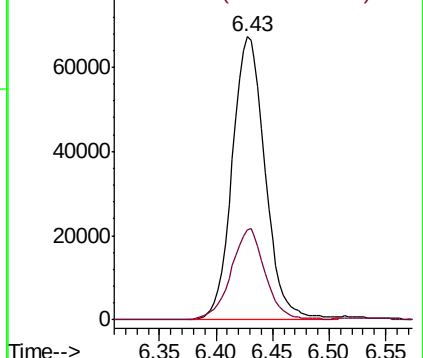
63 100

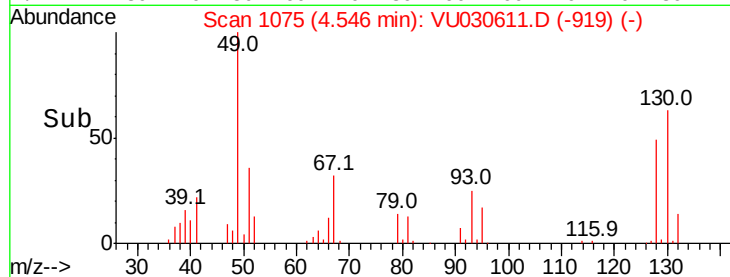
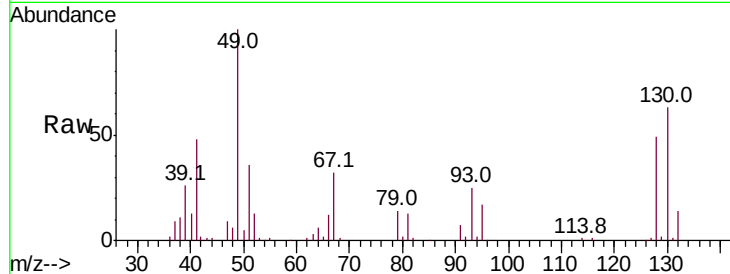
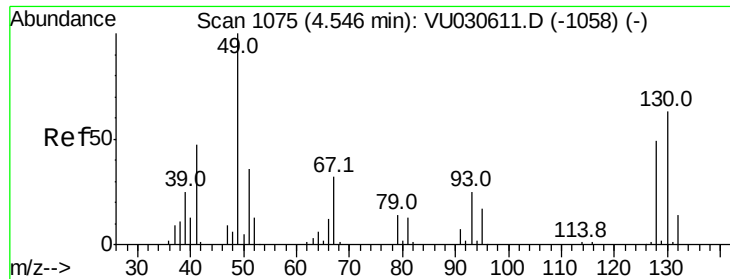
65 31.9 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU030611.D (-1644) (-)

Ion 65.00 (64.70 to 65.70): VU030611.D (-1644) (-)





#39

Methacrylonitrile

Concen: 15.703 ug/l

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
67	67.6	54.1	81.1	
39	52.1	41.7	62.5	
52	29.7	23.8	35.6	

Instrument :

MSVOA_U

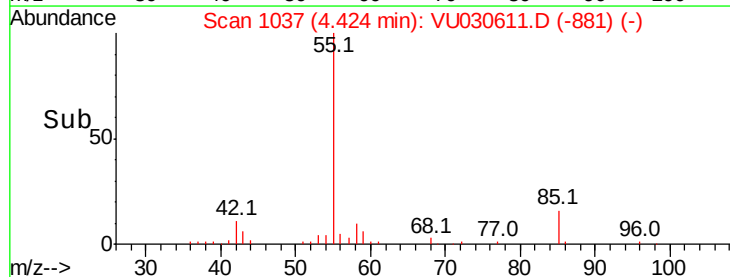
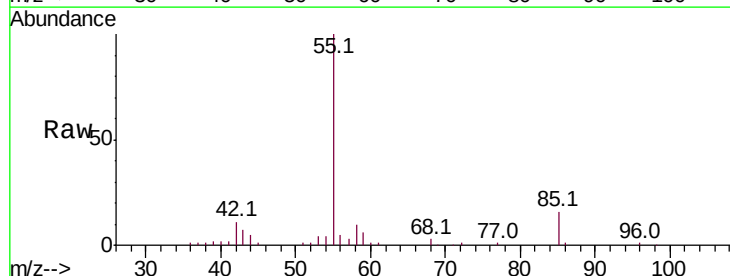
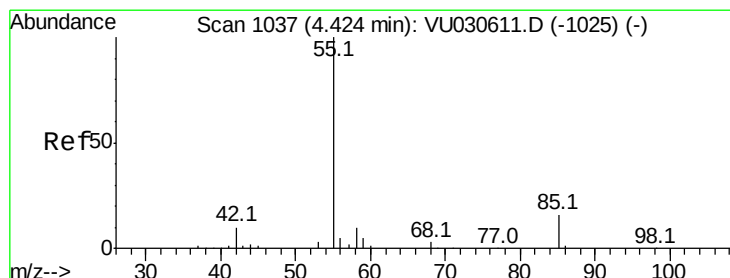
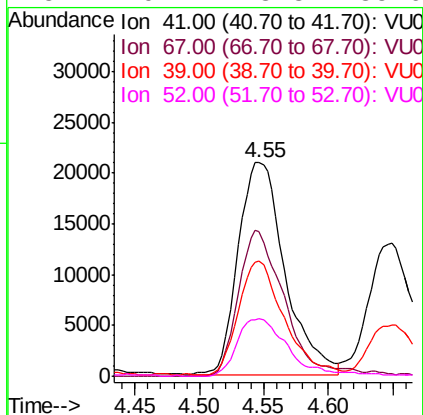
ClientSampleId :

VSTDICCC010

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#40

Methyl acrylate

Concen: 14.333 ug/l

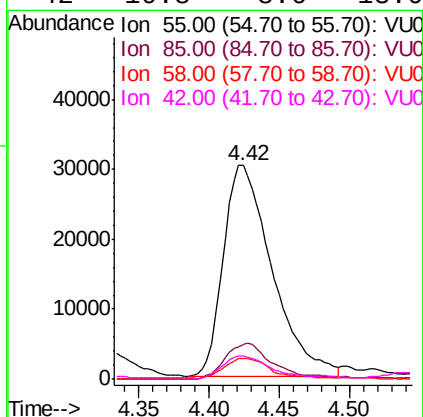
RT: 4.42 min Scan# 1037

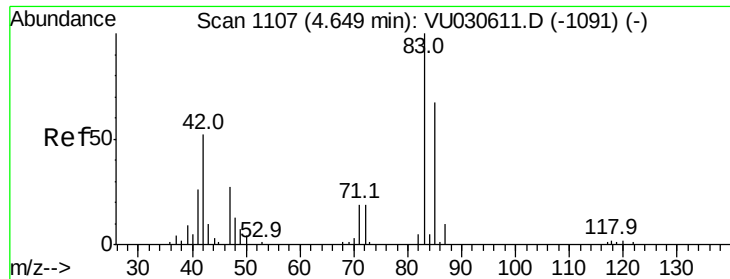
Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Tgt Ion	Ion	Ratio	Lower	Upper
55	100			
85	15.6	12.5	18.7	
58	9.4	7.5	11.3	
42	10.8	8.6	13.0	





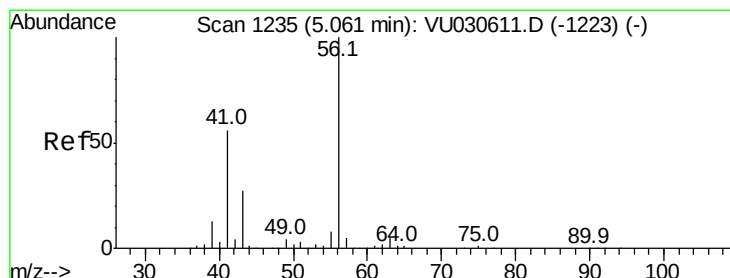
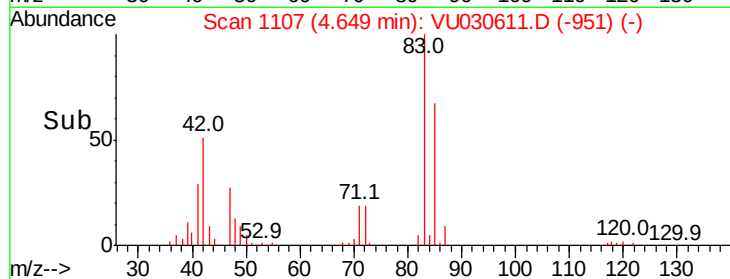
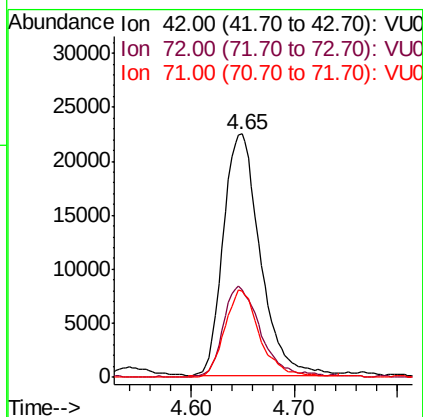
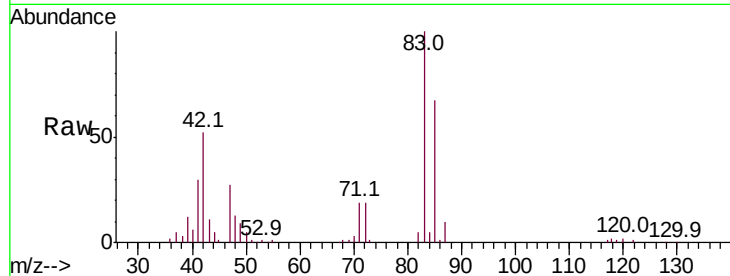
#41
Tetrahydrofuran
Concen: 30.264 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.8	44.8
71	34.6	27.7	41.5

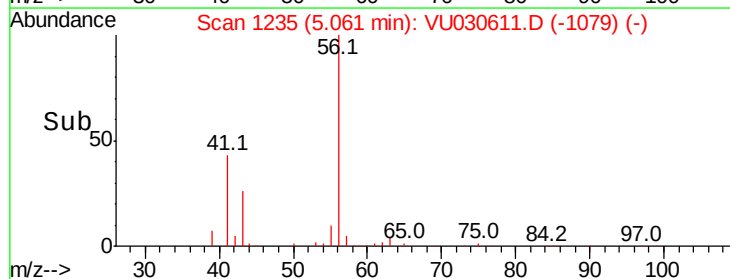
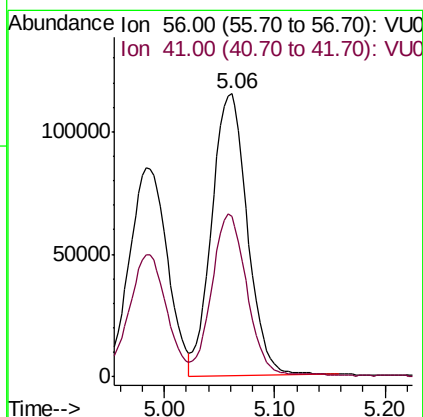
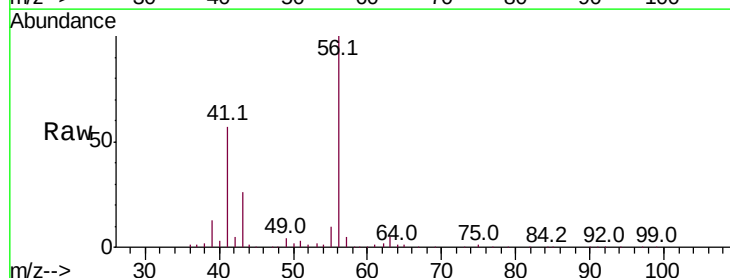
Manual Integrations
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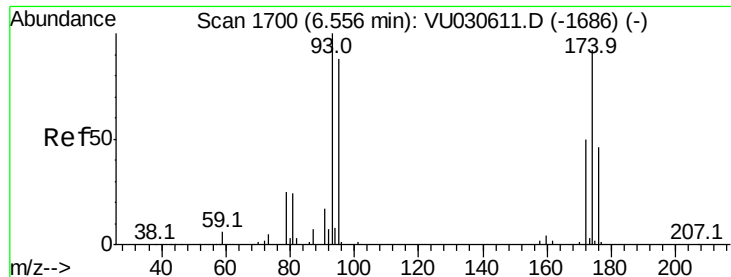
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4/3/2019 11:44:07 AM



#42
1-Chlorobutane
Concen: 12.834 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
56	100		
41	55.2	27.6	82.8





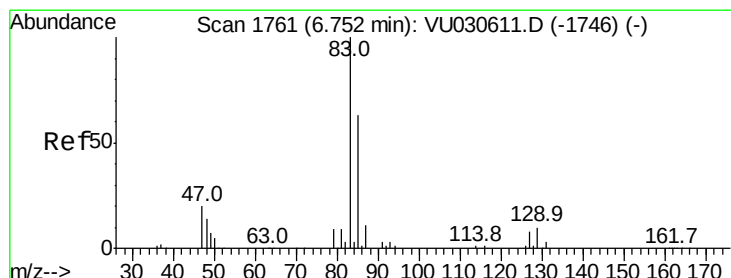
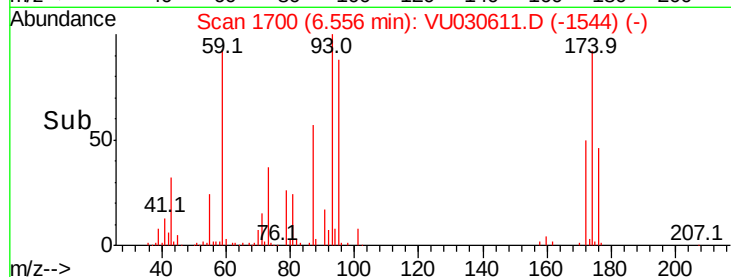
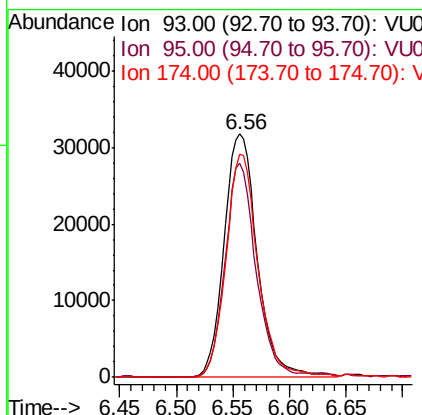
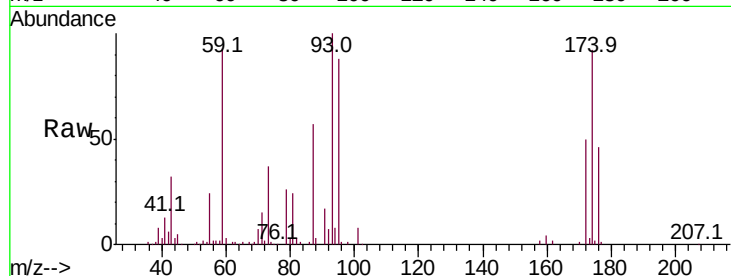
#43
Dibromomethane
Concen: 11.353 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 93 Resp: 64960
Ion Ratio Lower Upper
93 100
95 82.1 65.7 98.5
174 87.9 70.3 105.5

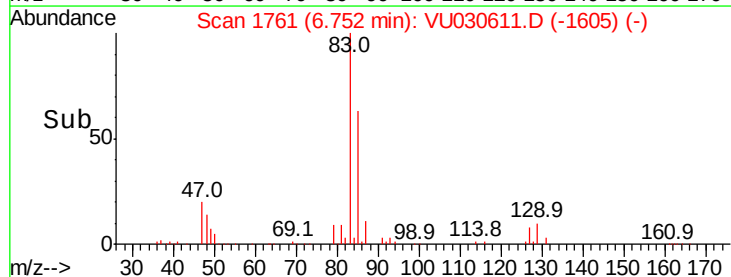
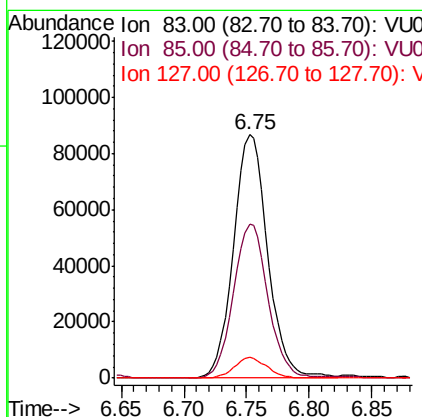
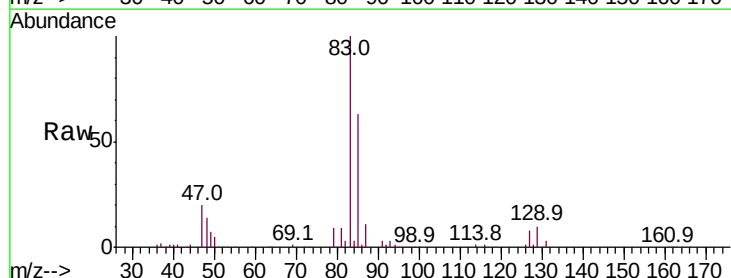
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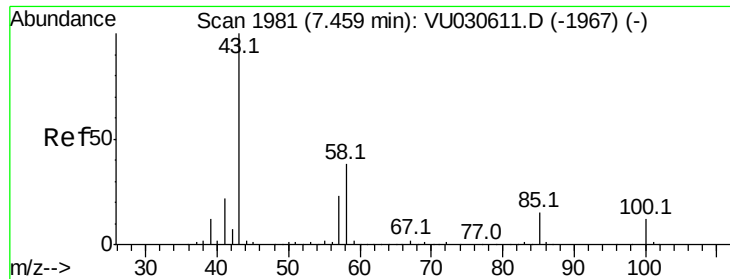
MMDadoda
4/3/2019 11:44:07 AM



#44
Bromodichloromethane
Concen: 11.942 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion: 83 Resp: 164438
Ion Ratio Lower Upper
83 100
85 63.3 50.6 76.0
127 8.3 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 80.195 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 496895

Ion Ratio Lower Upper

43 100

58 37.2 18.6 55.8

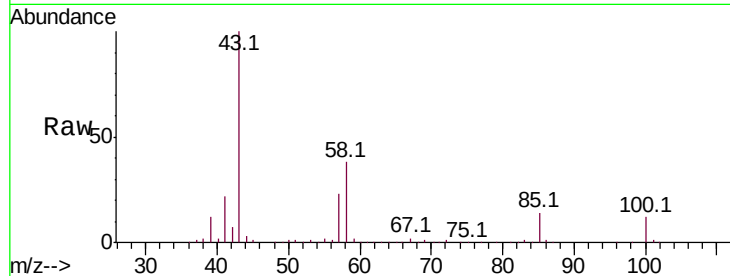
85 14.5 11.6 17.4

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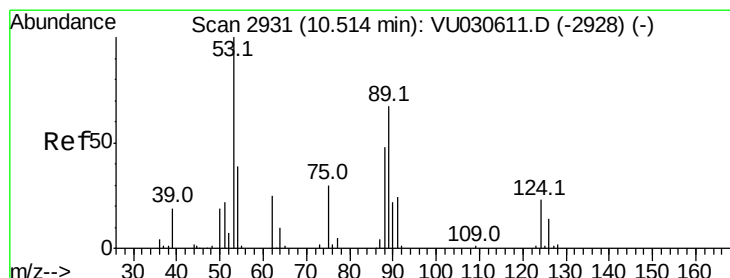
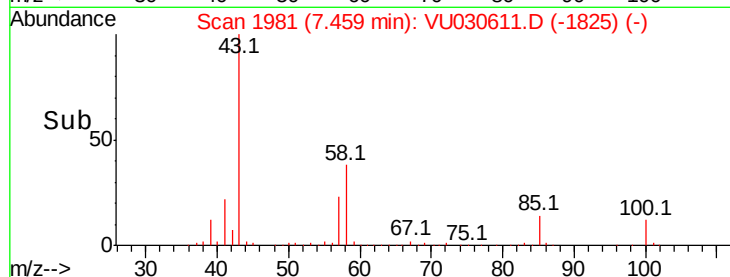
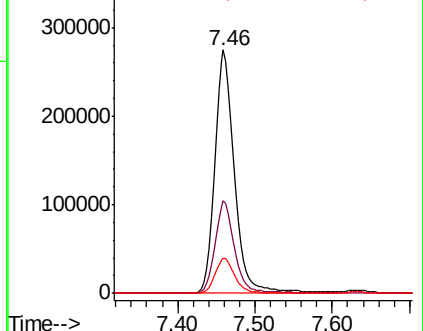
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Abundance Ion 43.00 (42.70 to 43.70): VU030611.D (-1967) (-)

Ion 58.00 (57.70 to 58.70): VU030611.D (-1967) (-)

Ion 85.00 (84.70 to 85.70): VU030611.D (-1967) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 30.241 ug/l m

RT: 10.51 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Tgt Ion: 75 Resp: 68323

Ion Ratio Lower Upper

75 100

53 80.4 64.3 96.5

89 51.0 40.8 61.2

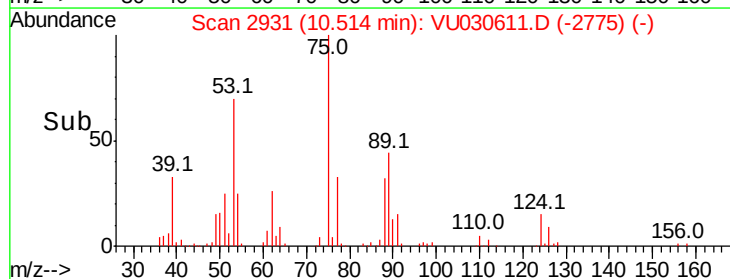
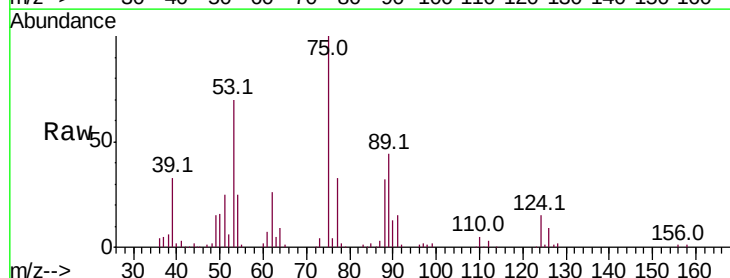
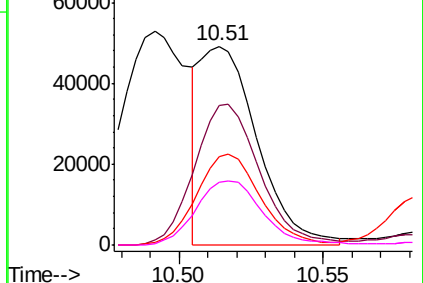
88 37.7 30.2 45.2

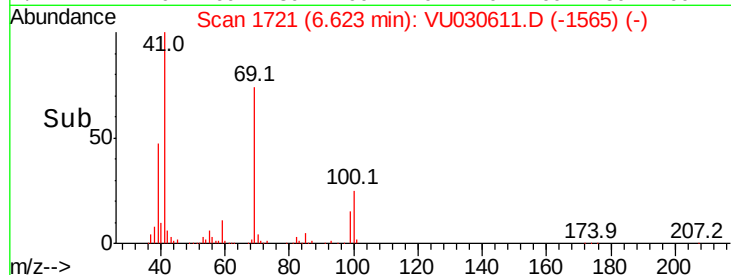
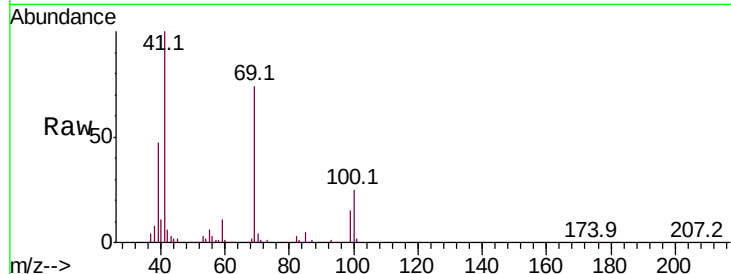
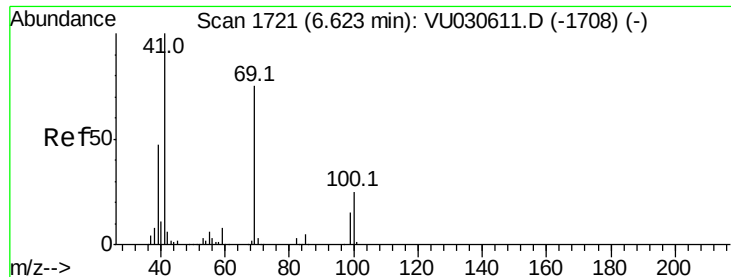
Abundance Ion 74.90 (74.60 to 75.60): VU030611.D (-2928) (-)

Ion 53.00 (52.70 to 53.70): VU030611.D (-2928) (-)

Ion 88.80 (88.50 to 89.50): VU030611.D (-2928) (-)

Ion 87.80 (87.50 to 88.50): VU030611.D (-2928) (-)





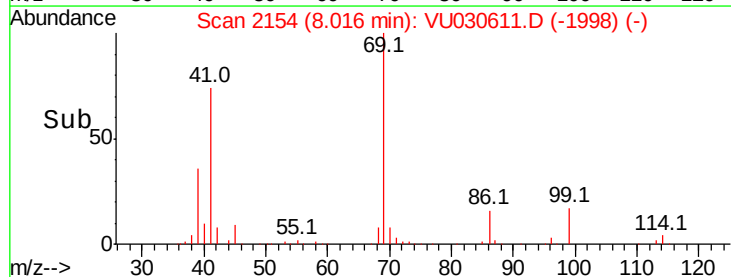
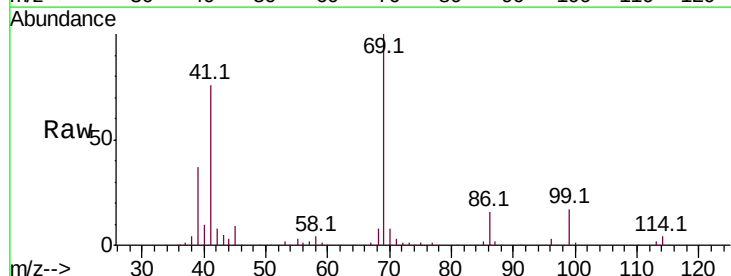
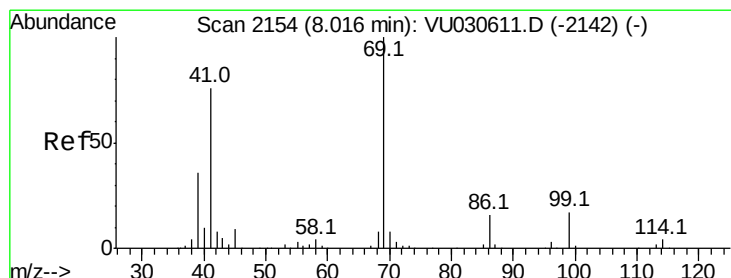
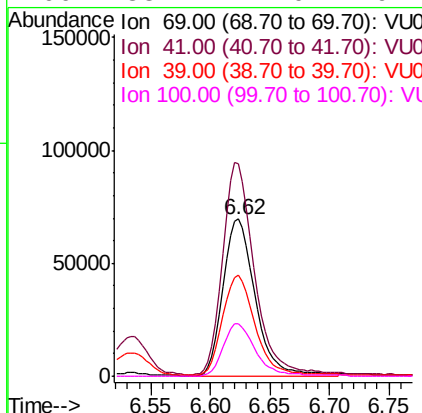
#47
Methyl methacrylate
Concen: 26.663 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tot Ion	69	Resp	131168
Ion	Ratio	Lower	Upper
69	100		
41	131.6	0.0	263.2
39	63.4	50.7	76.1
100	33.7	27.0	40.4

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

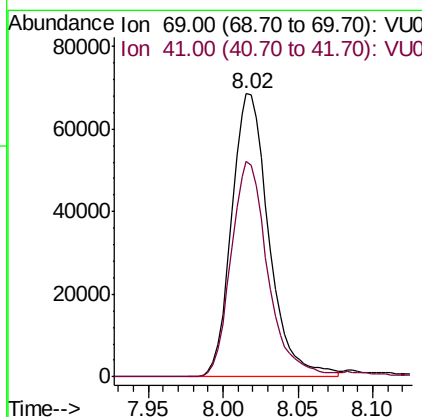
Manual Integrations
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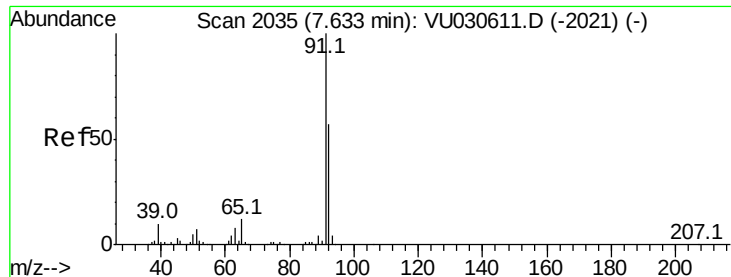
MMDadoda
4/3/2019 11:44:07 AM



#48
Ethyl methacrylate
Concen: 13.049 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion	69	Resp	118987
Ion	Ratio	Lower	Upper
69	100		
41	74.6	37.3	111.9





#49

Toluene

Concen: 10.813 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 92 Resp: 277182

Ion Ratio Lower Upper

92 100

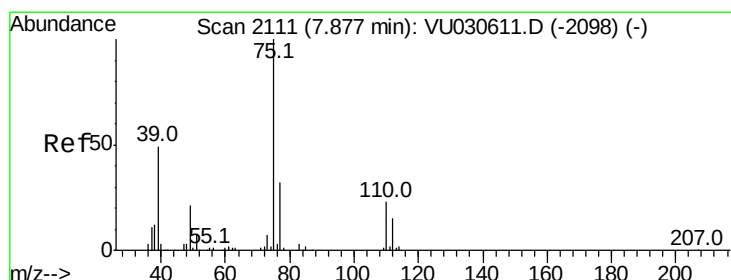
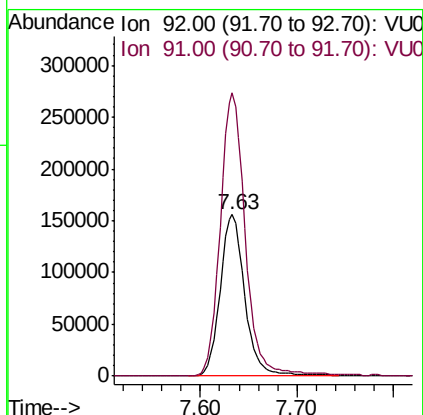
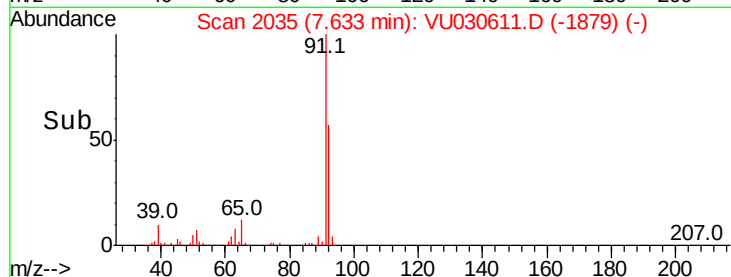
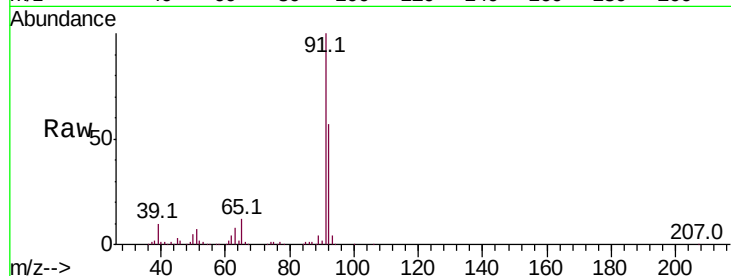
91 177.6 142.1 213.1

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#50

t-1,3-Dichloropropene

Concen: 12.432 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030611.D

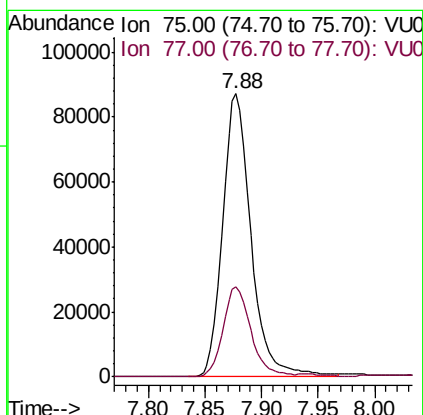
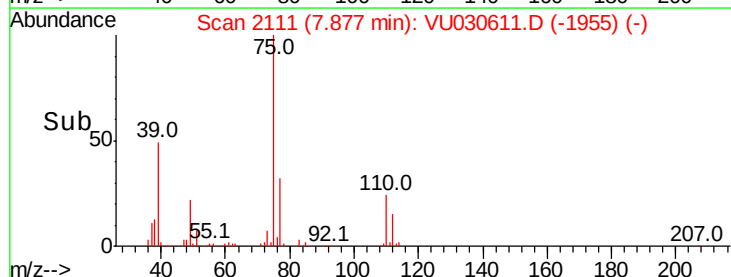
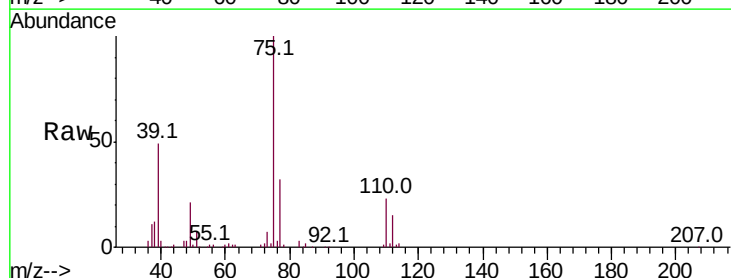
Acq: 02 Apr 2019 19:52

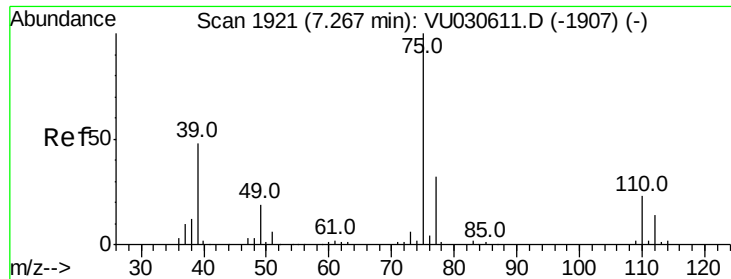
Tgt Ion: 75 Resp: 152825

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0





#51
 cis-1,3-Dichloropropene
 Concen: 11.812 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

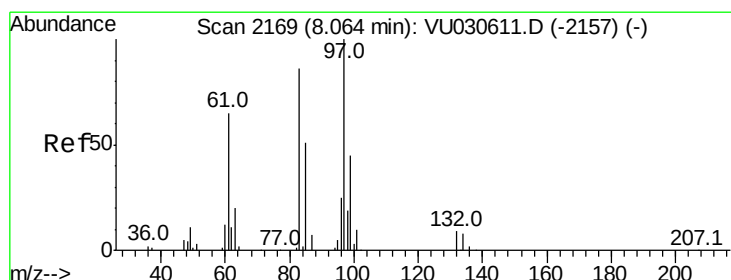
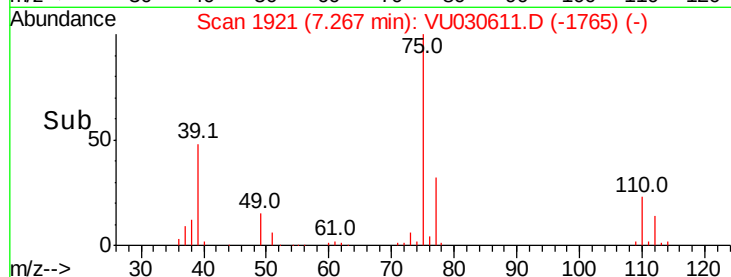
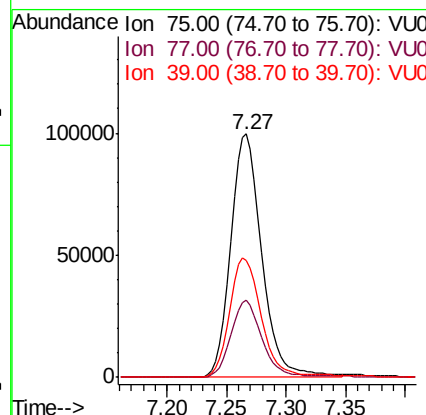
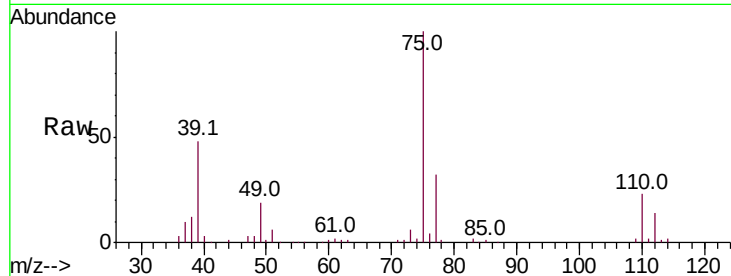
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	48.1	38.5	57.7

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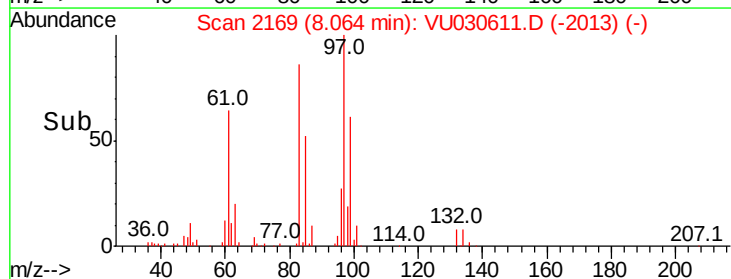
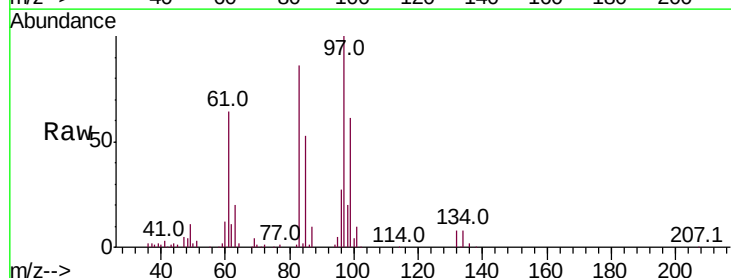
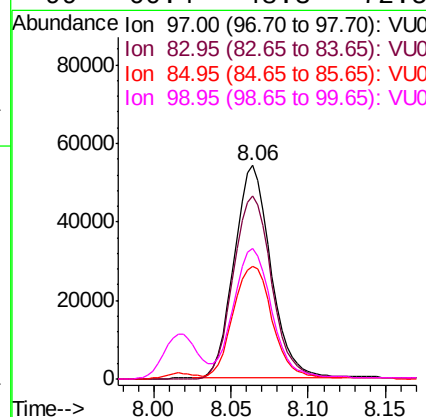
MMDadoda

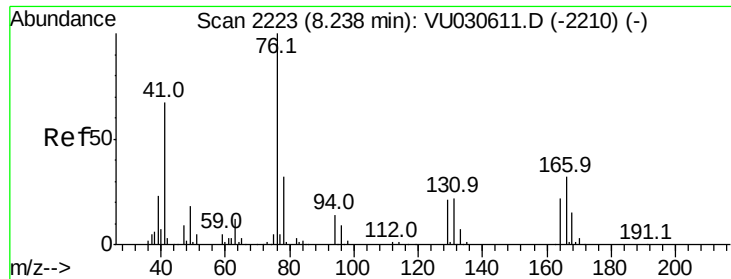
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#52
 1,1,2-Trichloroethane
 Concen: 11.164 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.6	103.0
85	52.3	41.8	62.8
99	60.4	48.3	72.5





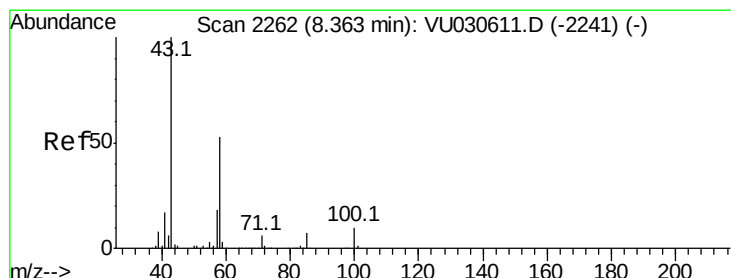
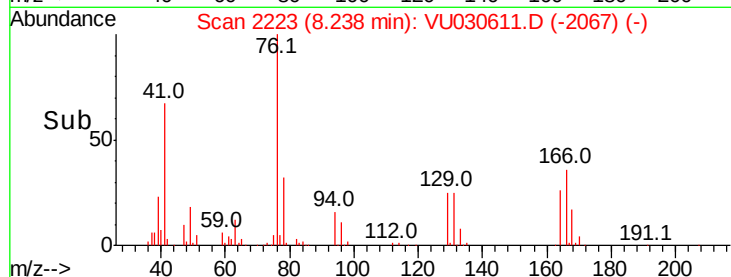
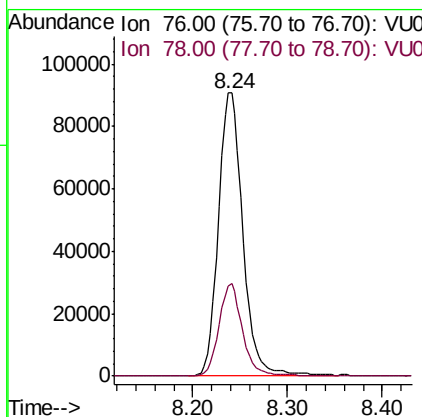
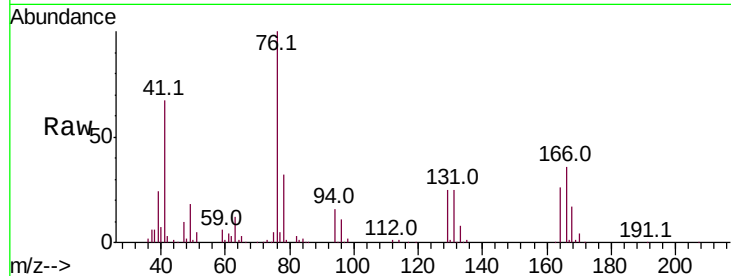
#53
 1,3-Dichloropropane
 Concen: 11.965 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC010

Tot Ion: 76 Resp: 163352
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.2 37.8

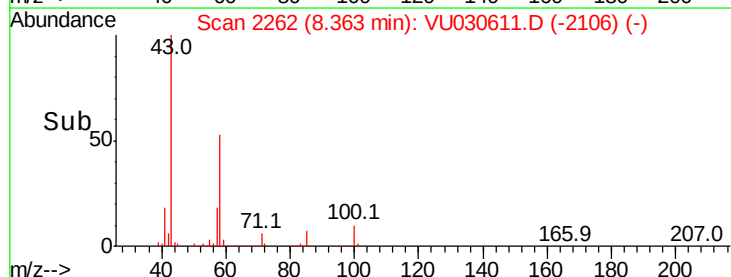
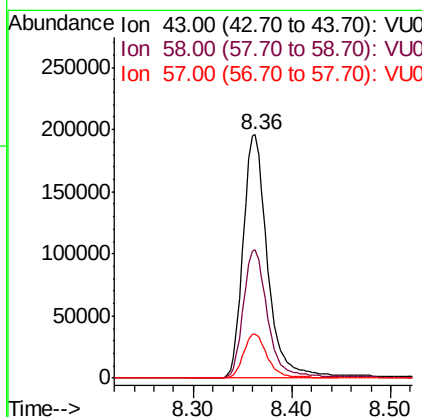
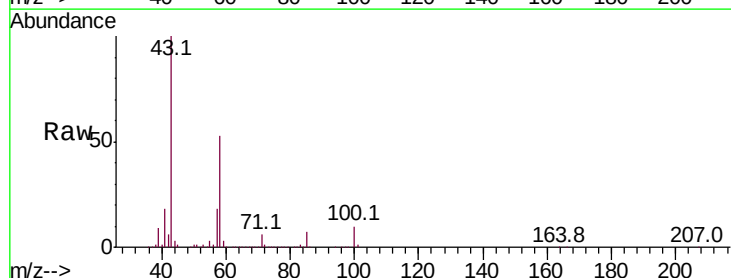
Manual Integrations
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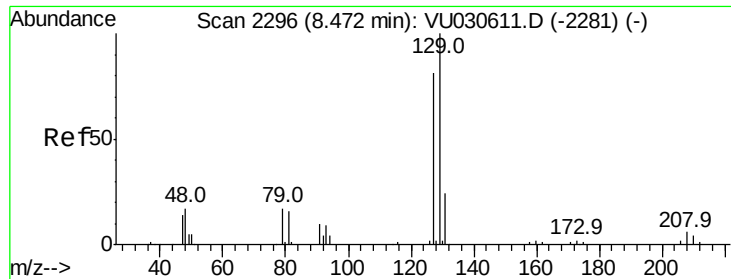
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#54
 2-Hexanone
 Concen: 76.310 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Tgt Ion: 43 Resp: 335491
 Ion Ratio Lower Upper
 43 100
 58 53.1 33.1 73.1
 57 18.1 0.0 38.1





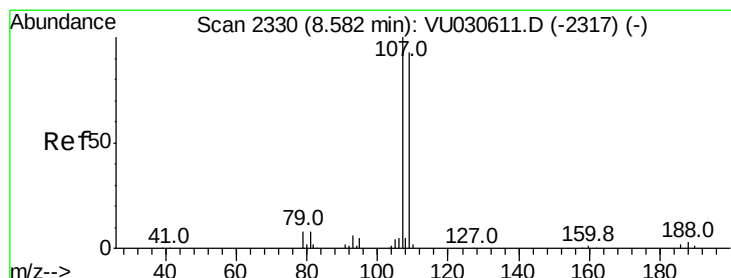
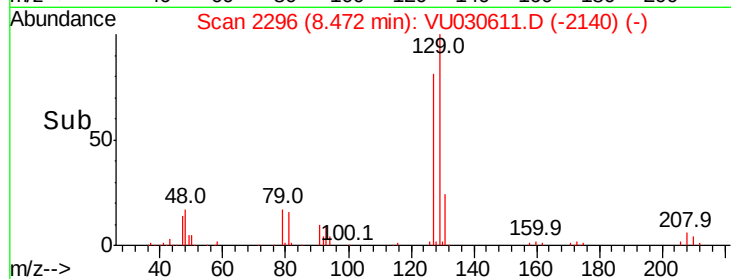
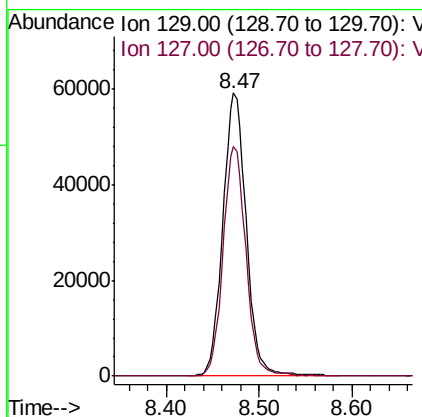
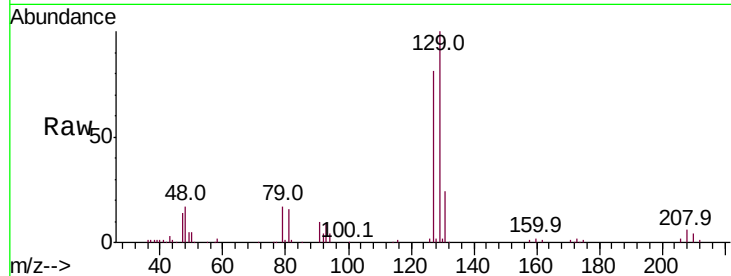
#55
Dibromochloromethane
Concen: 10.864 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.5	62.8	94.2

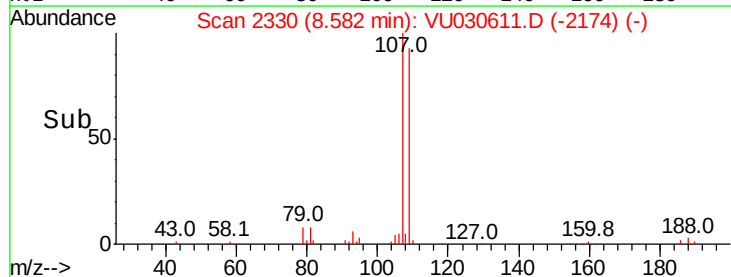
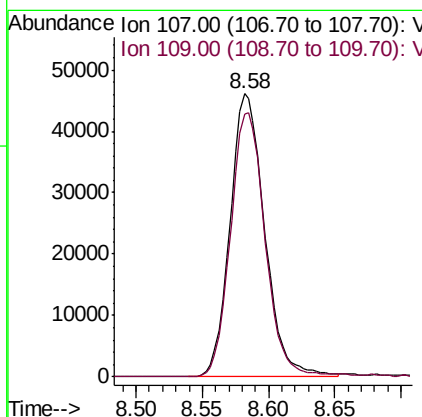
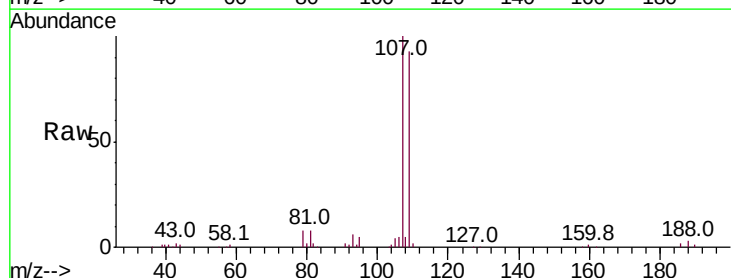
Manual Integrations
APPROVED

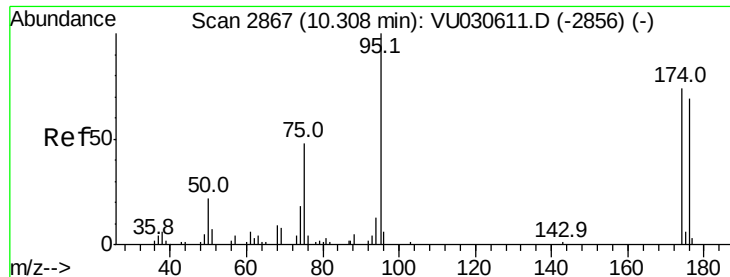
MMDadoda
4/3/2019 11:44:07 AM



#56
1,2-Dibromoethane
Concen: 10.899 ug/l
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	0.0	187.2





#57
4-Bromofluorobenzene
Concen: 10.899 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

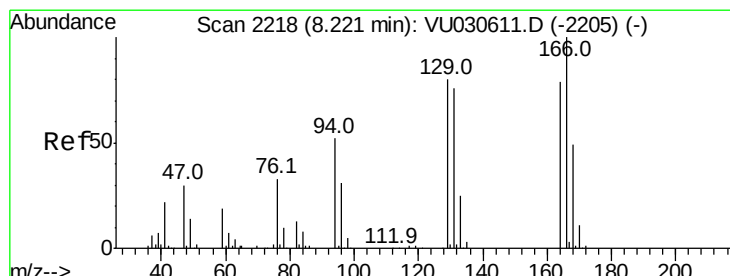
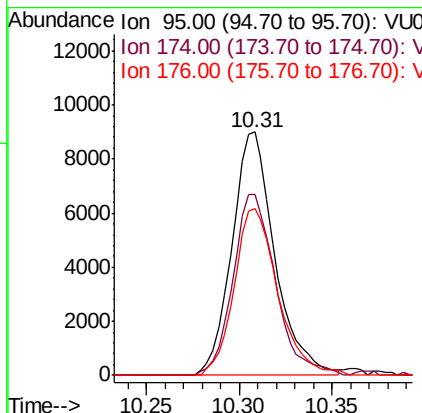
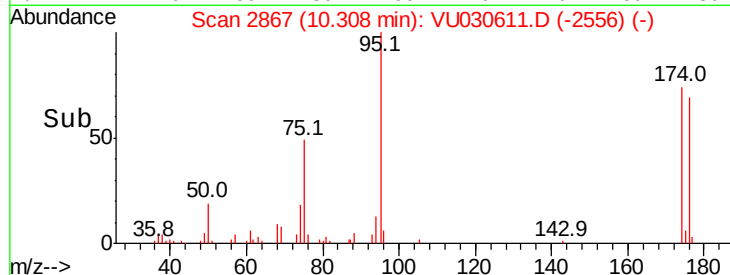
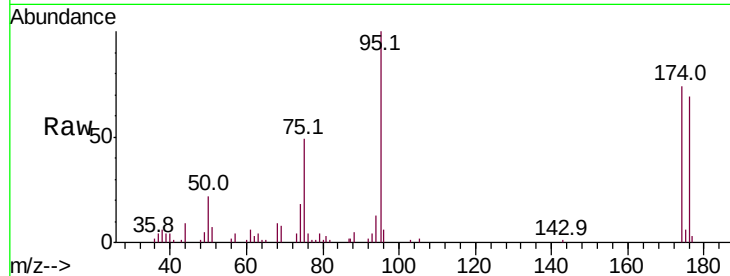
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:	95	Resp:	14445
Ion Ratio	Lower	Upper	
95	100		
174	73.9	59.1	88.7
176	69.6	55.7	83.5

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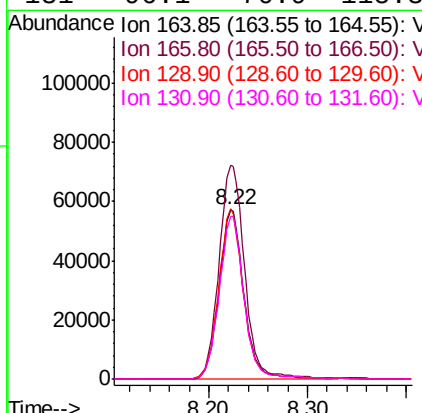
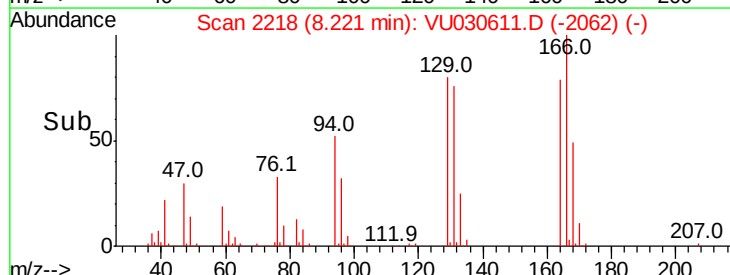
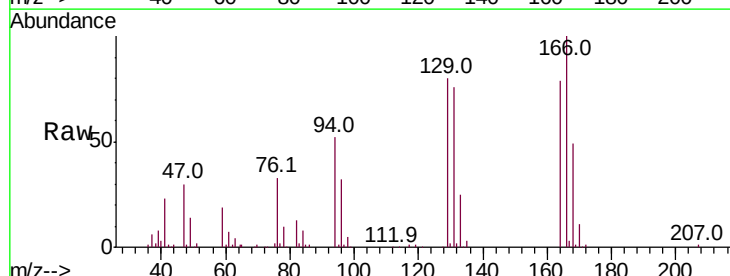
MMDadoda

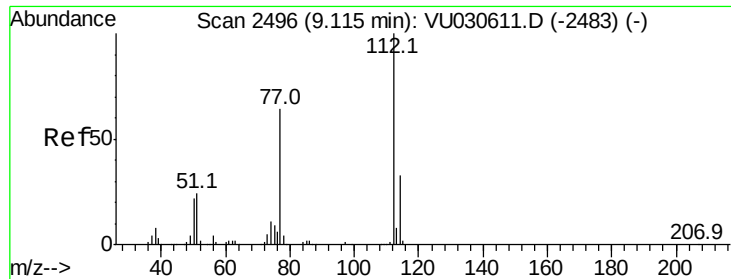
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#58
Tetrachloroethene
Concen: 9.276 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion:	164	Resp:	100822
Ion Ratio	Lower	Upper	
164	100		
166	126.2	101.0	151.4
129	100.7	80.6	120.8
131	96.1	76.9	115.3





#59

Chlorobenzene

Concen: 9.964 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:112 Resp: 288016

Ion Ratio Lower Upper

112 100

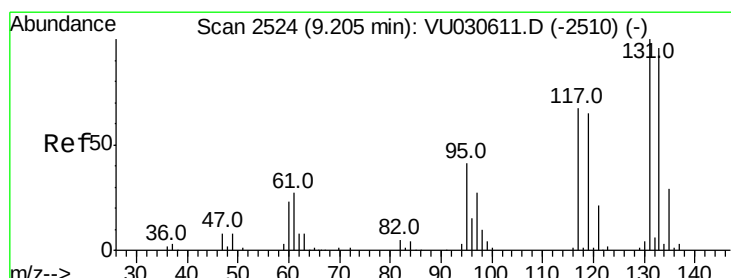
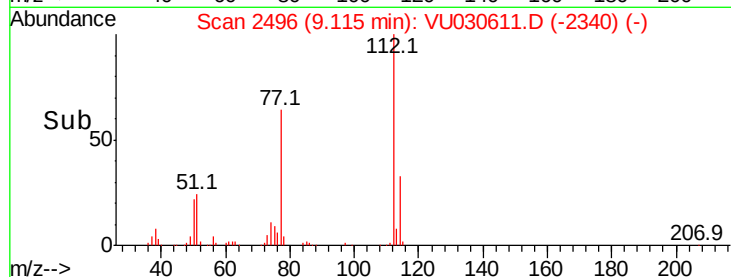
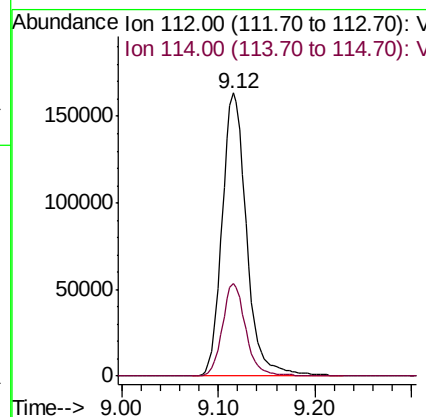
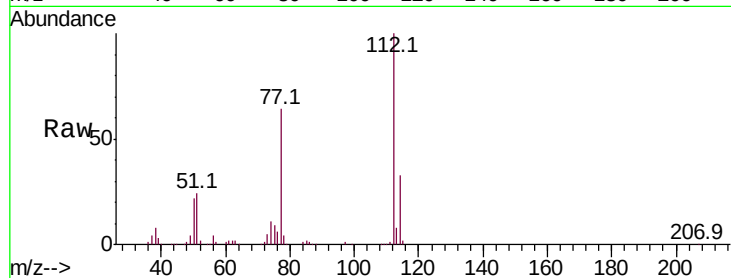
114 32.8 26.2 39.4

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 10.366 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

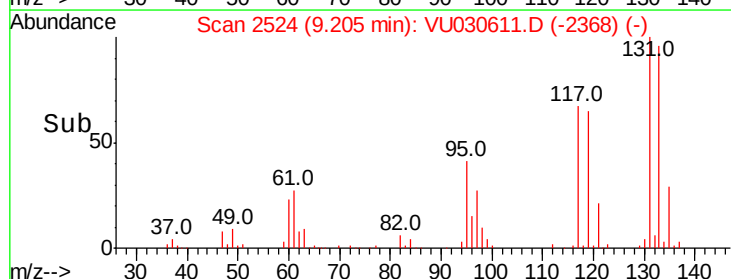
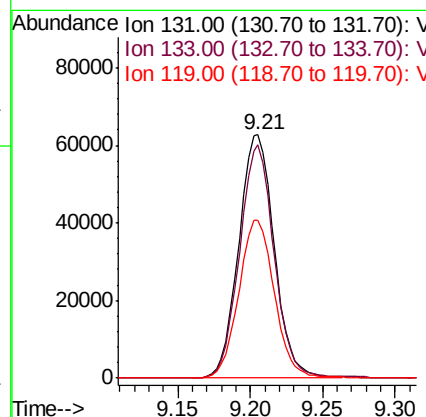
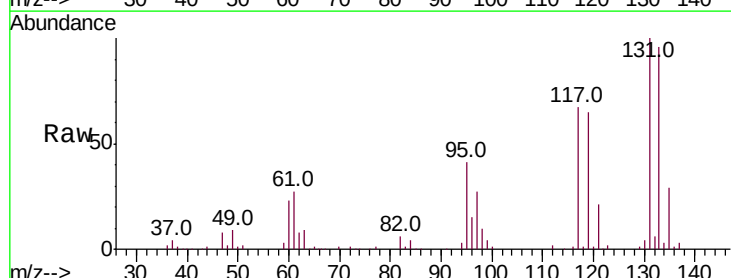
Tgt Ion:131 Resp: 106846

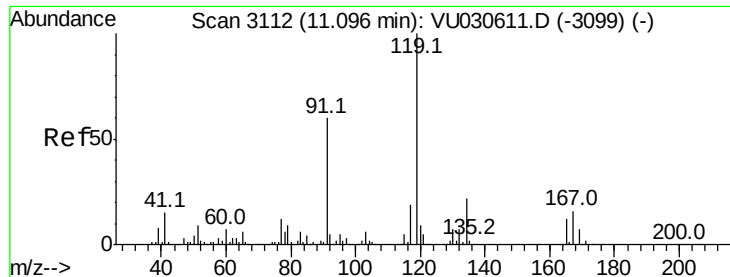
Ion Ratio Lower Upper

131 100

133 93.8 75.0 112.6

119 65.2 52.2 78.2





#61

Pentachloroethane

Concen: 10.314 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 82010

Ion Ratio Lower Upper

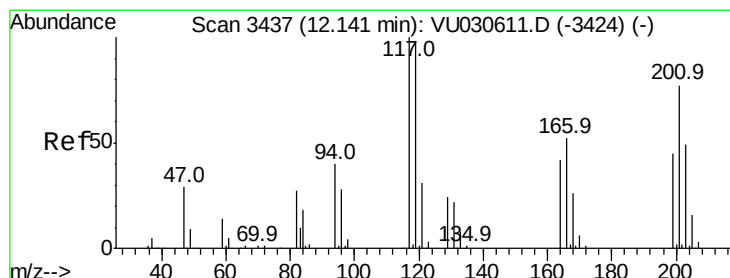
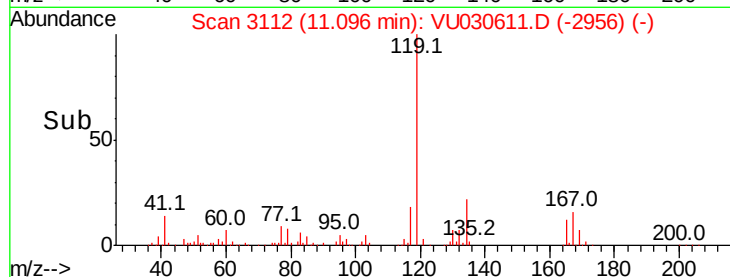
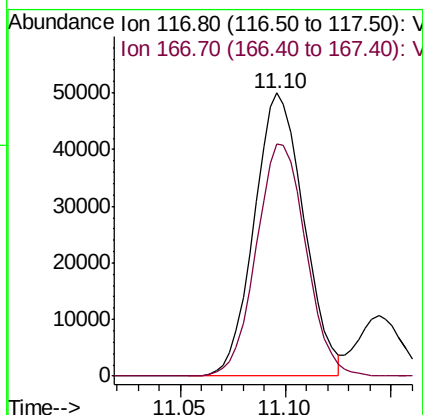
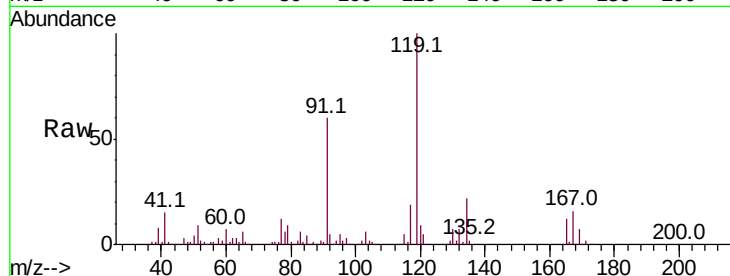
117 100

167 82.0 65.6 98.4

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#62

Hexachloroethane

Concen: 9.959 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030611.D

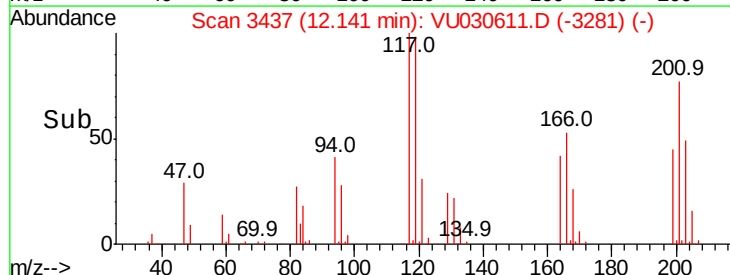
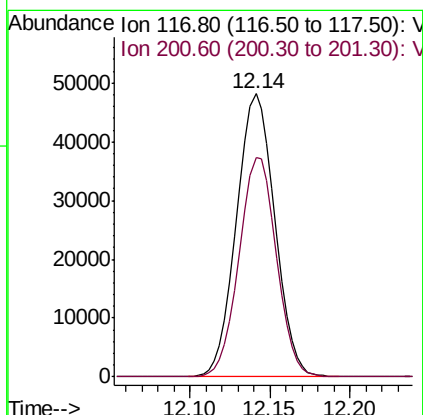
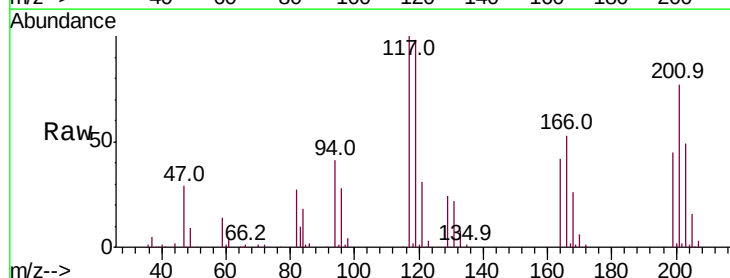
Acq: 02 Apr 2019 19:52

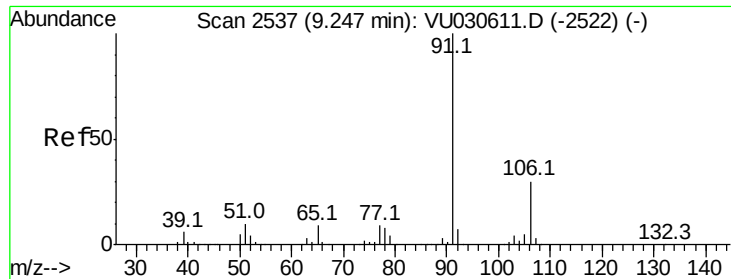
Tgt Ion:117 Resp: 78475

Ion Ratio Lower Upper

117 100

201 75.6 60.5 90.7





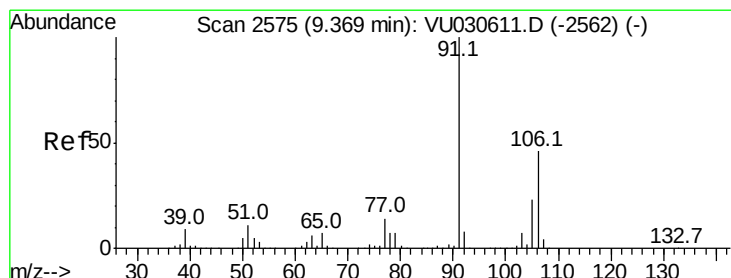
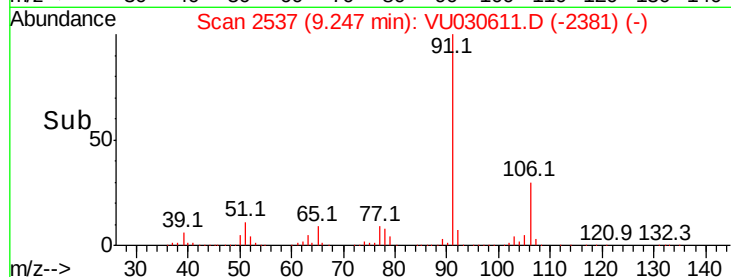
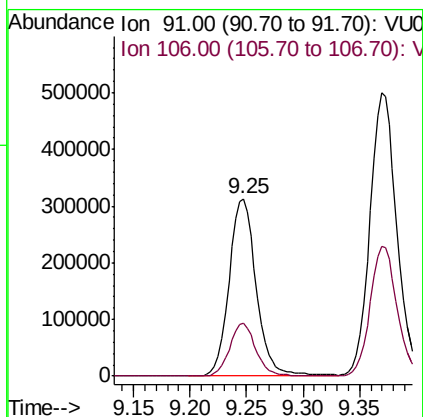
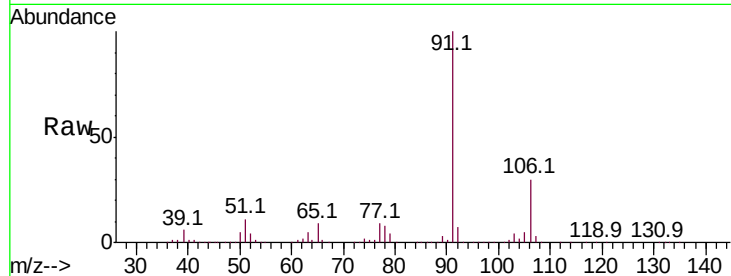
#63
Ethyl Benzene
Concen: 10.879 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 522946
Ion Ratio Lower Upper
91 100
106 29.6 23.7 35.5

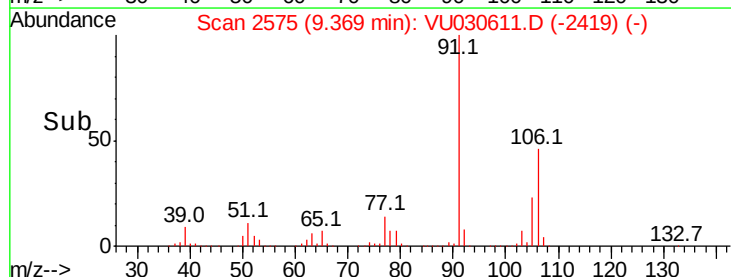
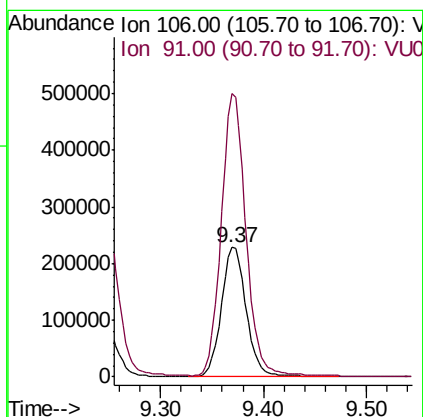
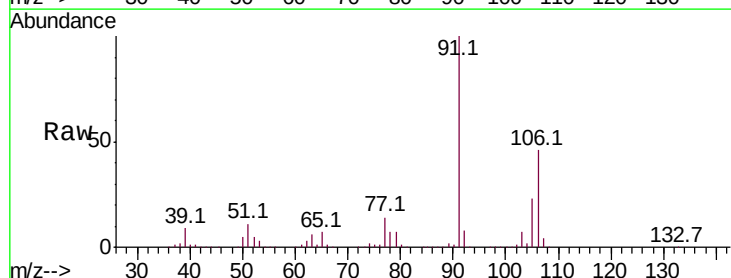
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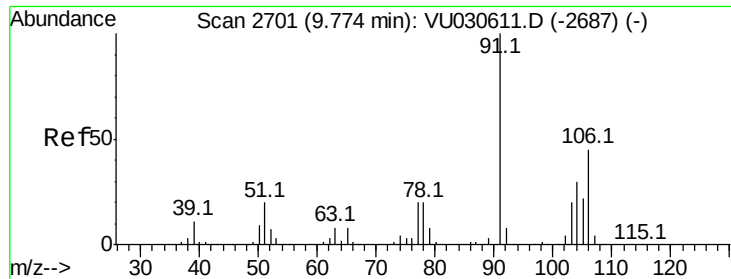
MMDadoda
4/3/2019 11:44:07 AM



#64
m/p-Xylenes
Concen: 20.548 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion: 106 Resp: 381956
Ion Ratio Lower Upper
106 100
91 217.3 173.8 260.8





#65

o-Xylene

Concen: 10.069 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:106 Resp: 183533

Ion Ratio Lower Upper

106 100

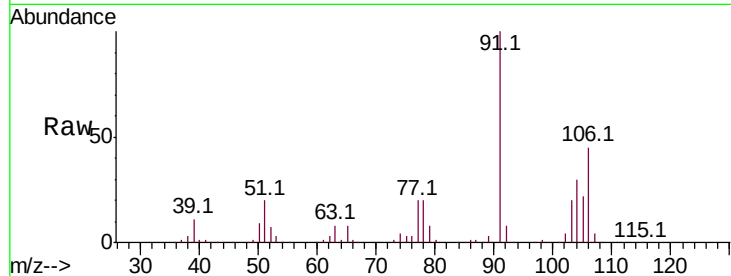
91 223.5 111.8 335.3

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

300000

250000

200000

150000

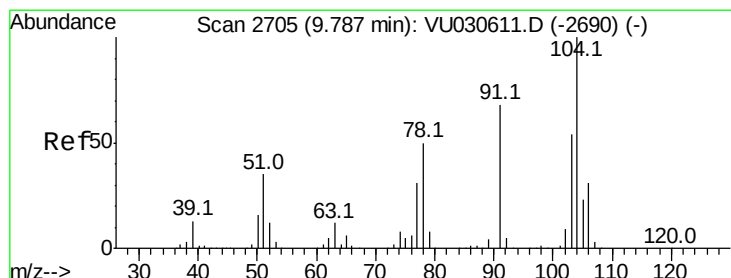
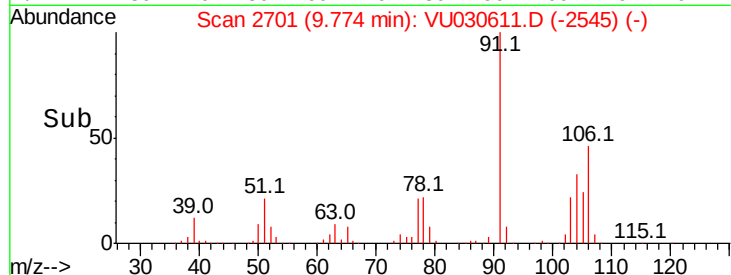
100000

50000

0

9.70 9.75 9.80 9.85 9.90

Time-->



#66

Styrene

Concen: 10.769 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

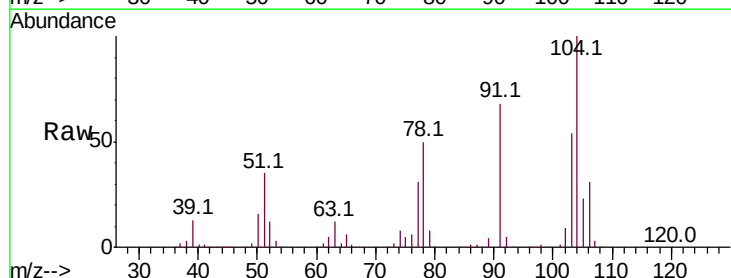
Tgt Ion:104 Resp: 323931

Ion Ratio Lower Upper

104 100

78 53.8 43.0 64.6

103 57.0 45.6 68.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

250000

200000

150000

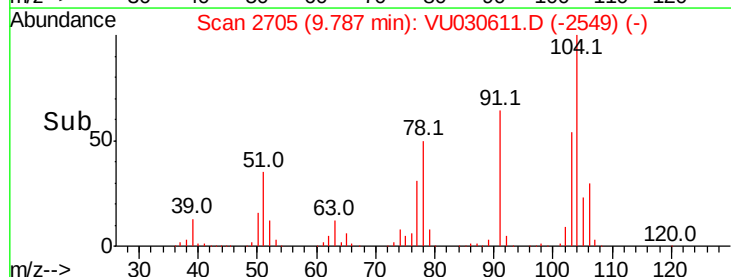
100000

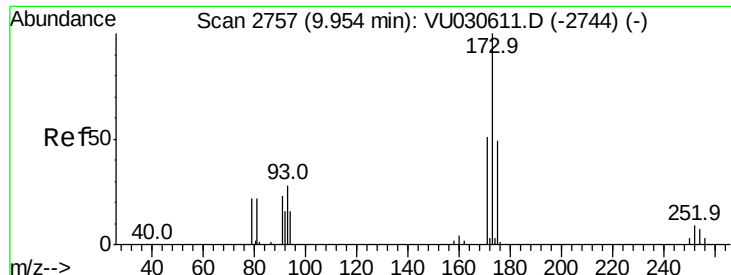
50000

0

9.70 9.75 9.80 9.85 9.90

Time-->





#67

Bromoform

Concen: 10.829 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 58706

Ion Ratio Lower Upper

173 100

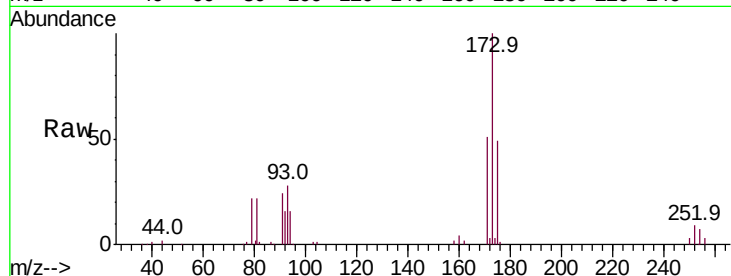
175 49.0 39.2 58.8

254 8.0 6.4 9.6

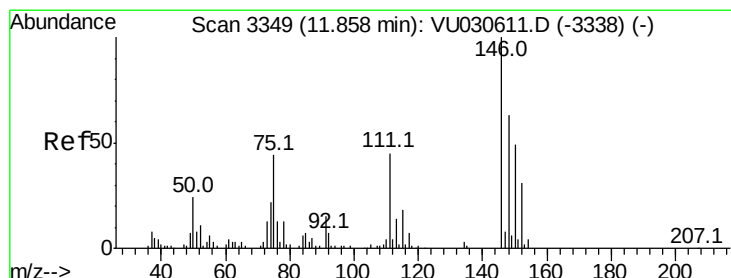
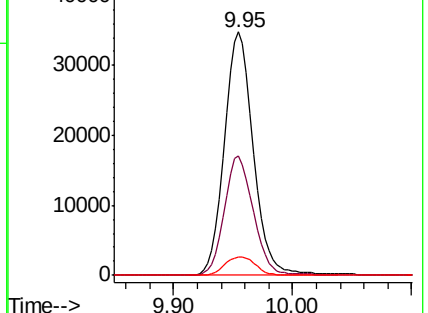
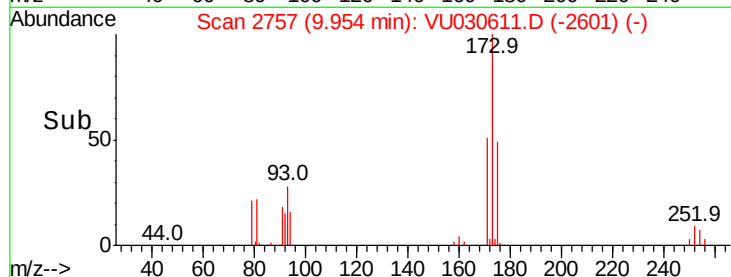
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 10.829 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

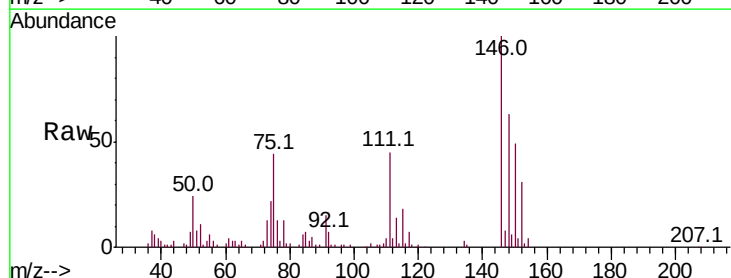
Tgt Ion:152 Resp: 13986

Ion Ratio Lower Upper

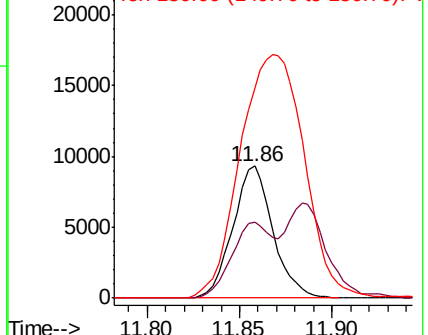
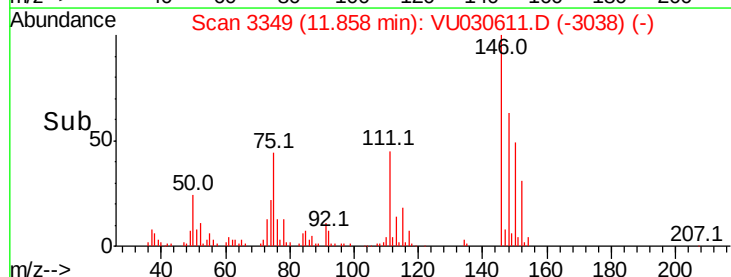
152 100

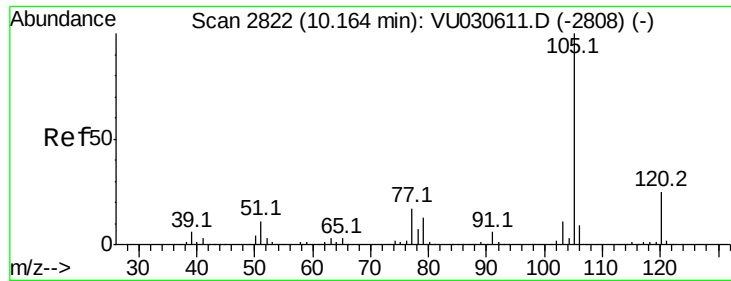
115 61.2 0.0 122.4

150 297.6 0.0 595.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.356 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 494977

Ion Ratio Lower Upper

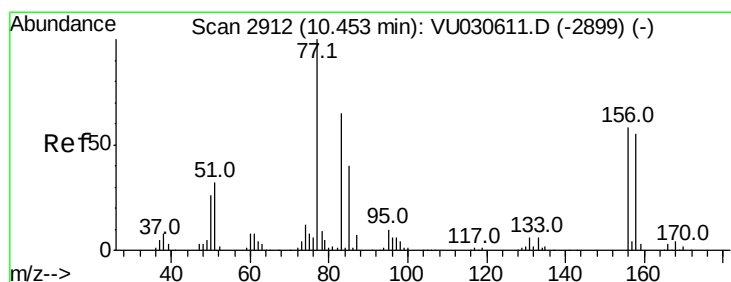
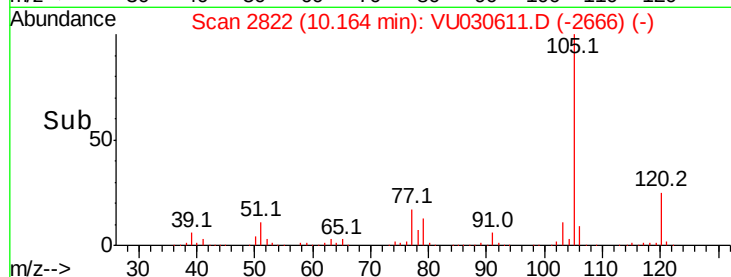
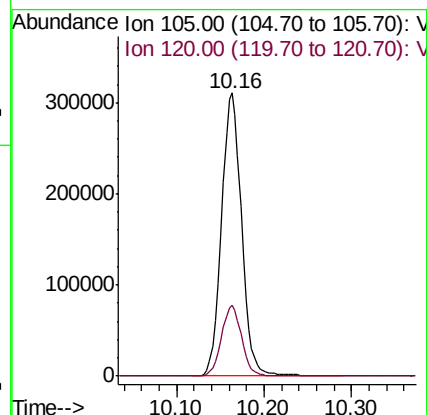
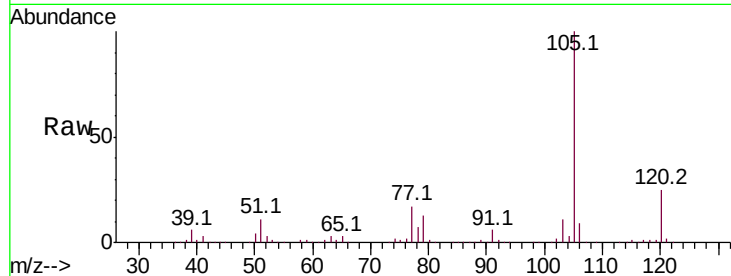
105 100

120 25.0 12.5 37.5

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 11.906 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

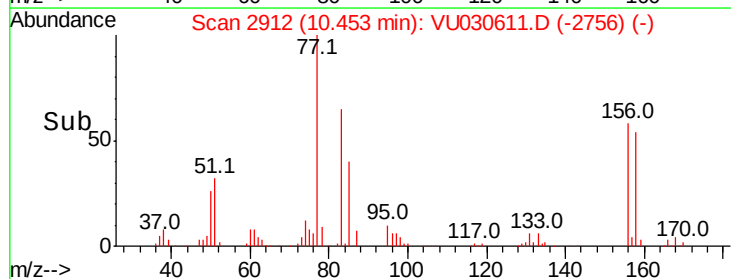
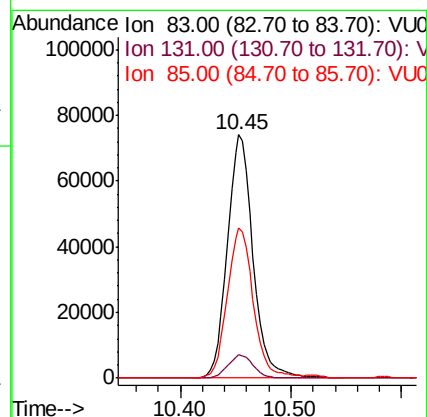
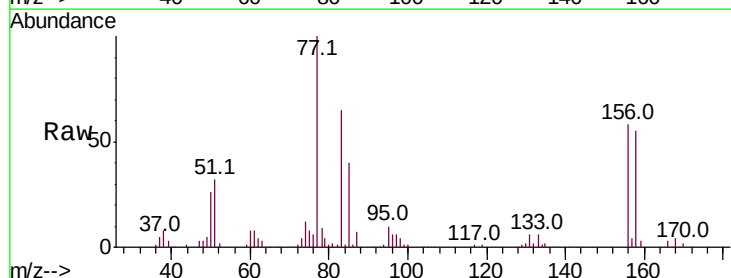
Tgt Ion: 83 Resp: 119665

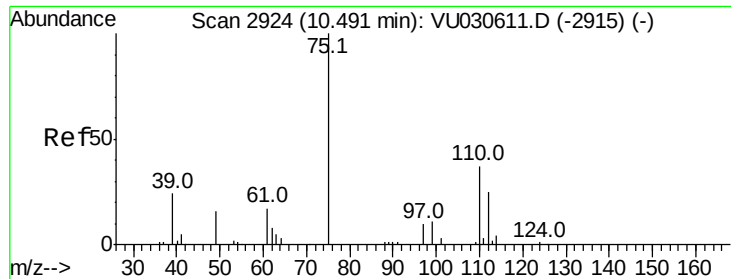
Ion Ratio Lower Upper

83 100

131 9.4 7.5 11.3

85 62.5 50.0 75.0





#71
1,2,3-Trichloropropane
Concen: 11.468 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

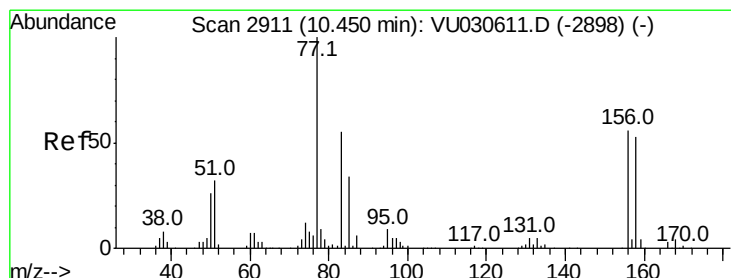
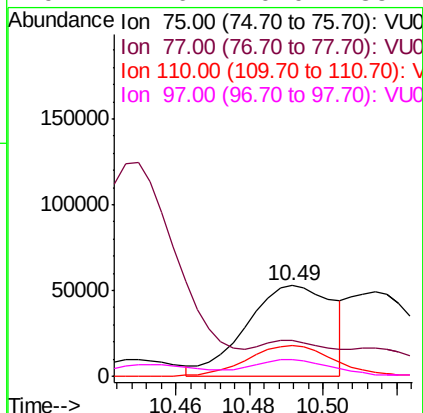
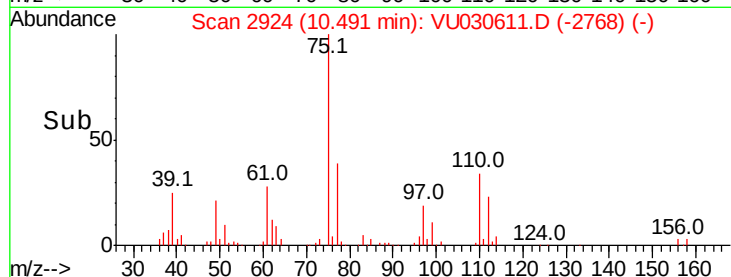
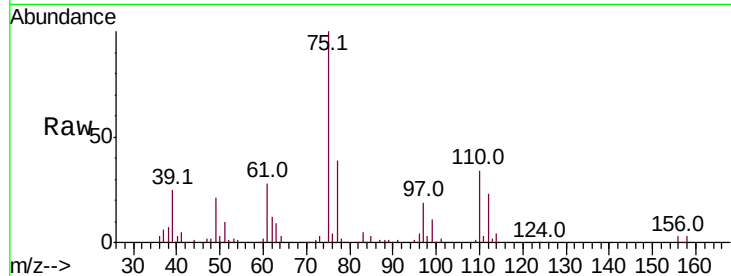
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	33.9	0.0	67.8
97	17.6	0.0	35.2

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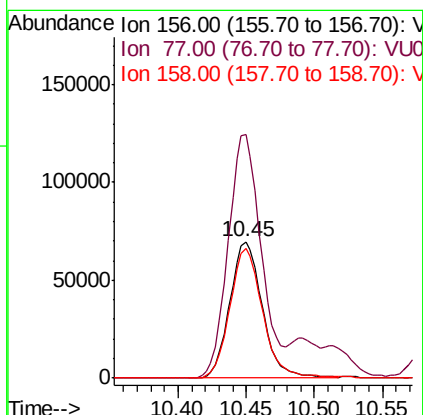
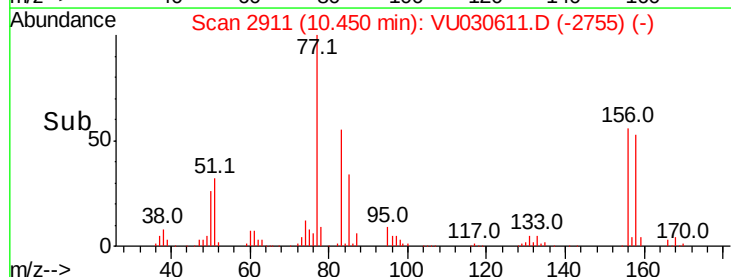
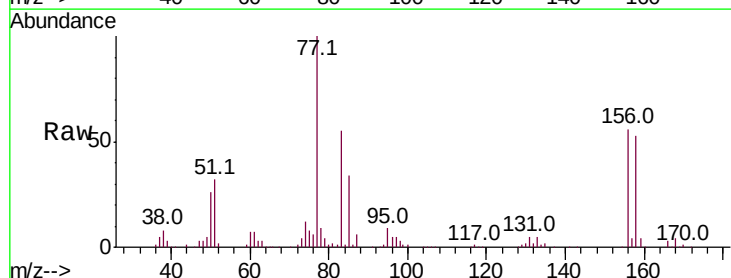
MMDadoda

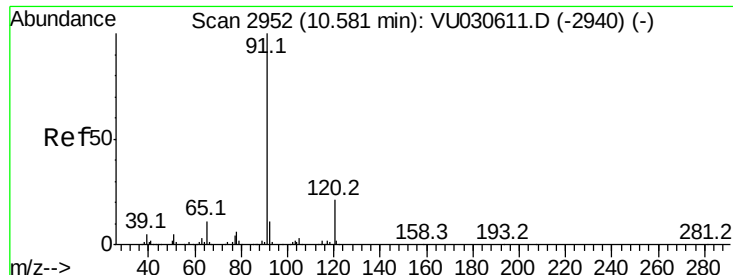
4/3/2019 11:44:07 AM



#72
Bromobenzene
Concen: 9.390 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
156	100		
77	181.1	0.0	362.2
158	96.2	0.0	192.4





#73

n-propylbenzene

Concen: 10.046 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:120 Resp: 134830

Ion Ratio Lower Upper

120 100

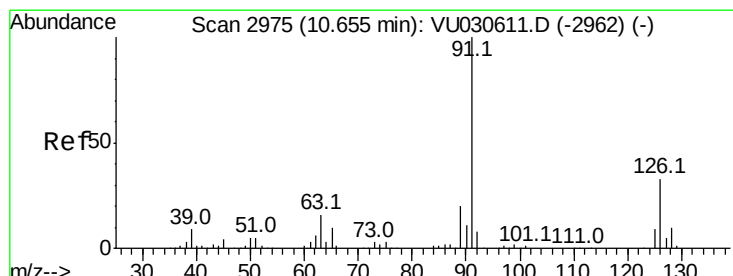
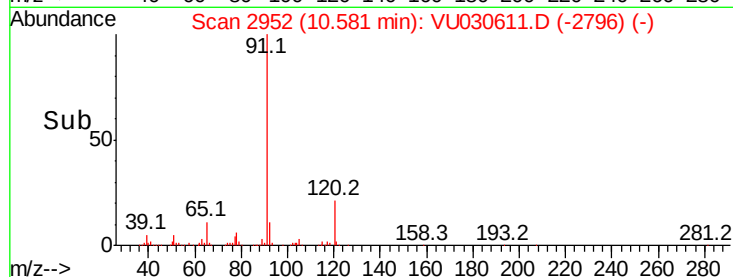
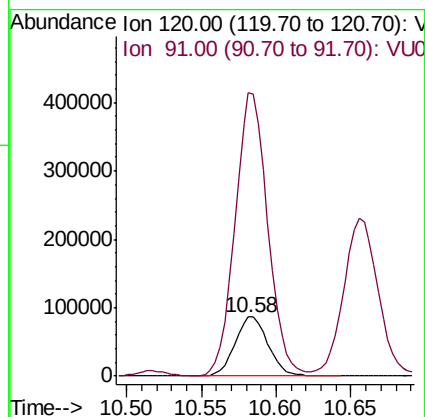
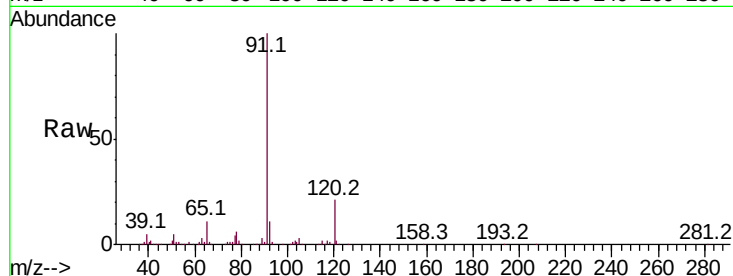
91 466.2 373.0 559.4

Manual Integrations

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#74

2-Chlorotoluene

Concen: 9.821 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU030611.D

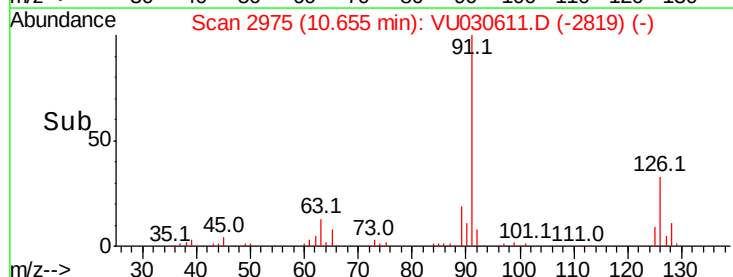
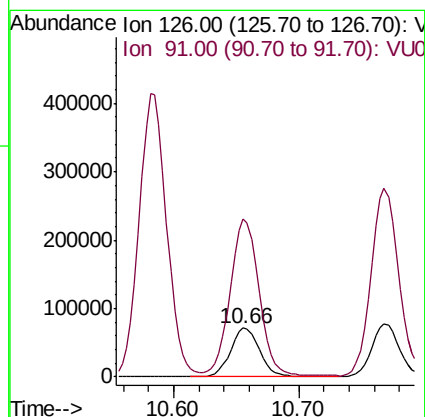
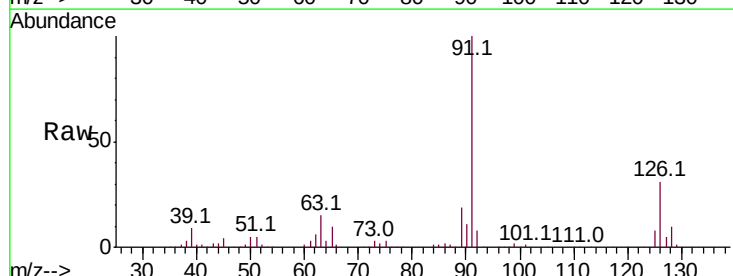
Acq: 02 Apr 2019 19:52

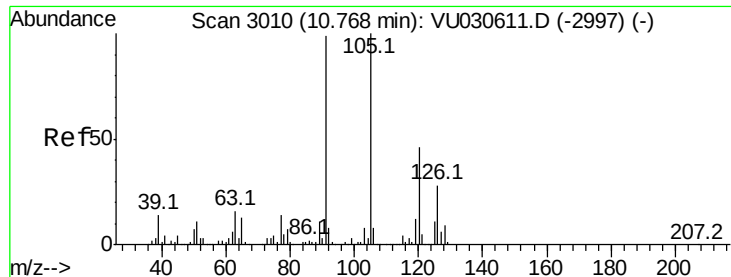
Tgt Ion:126 Resp: 115648

Ion Ratio Lower Upper

126 100

91 321.8 0.0 643.6





#75

1,3,5-Trimethylbenzene

Concen: 10.482 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030611.D

Acq: 02 Apr 2019 19:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 426054

Ion Ratio Lower Upper

105 100

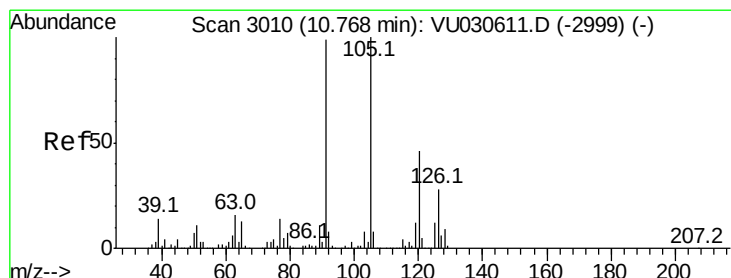
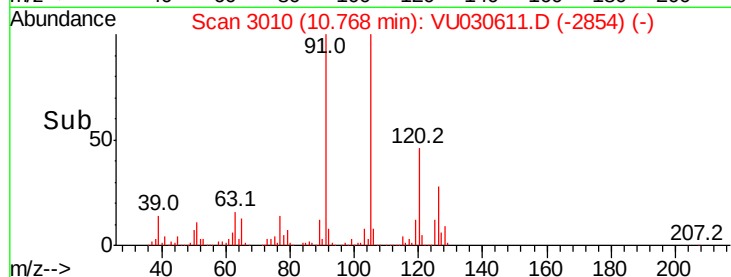
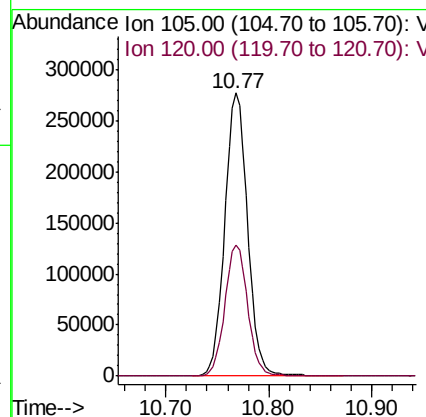
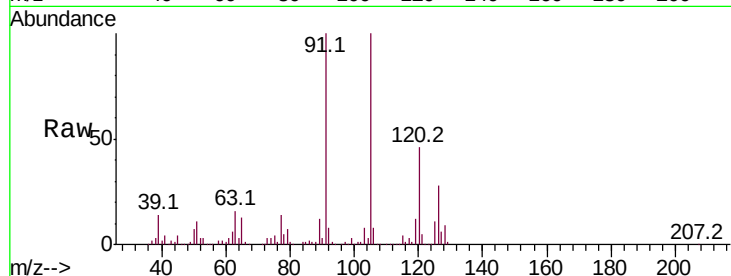
120 46.5 37.2 55.8

Manual Integrations

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#76

4-Chlorotoluene

Concen: 9.941 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030611.D

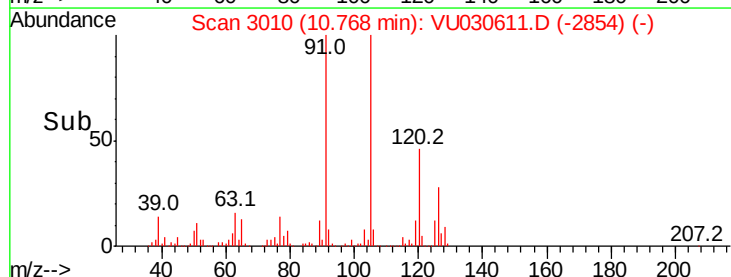
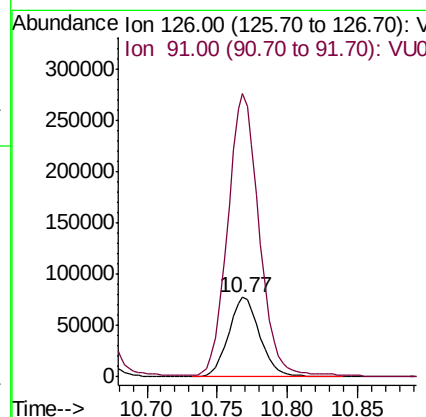
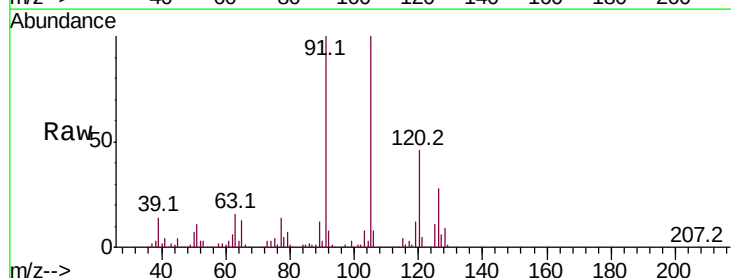
Acq: 02 Apr 2019 19:52

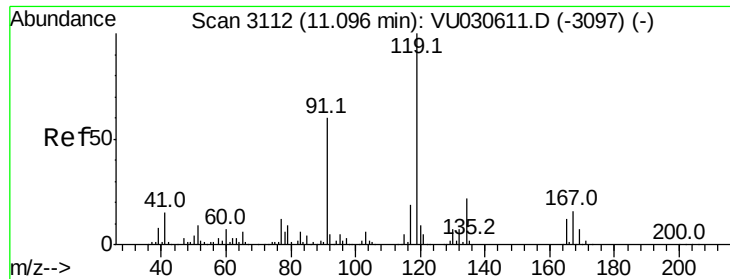
Tgt Ion:126 Resp: 119269

Ion Ratio Lower Upper

126 100

91 362.4 0.0 724.8





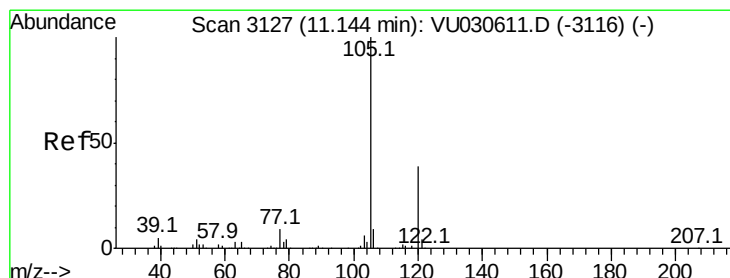
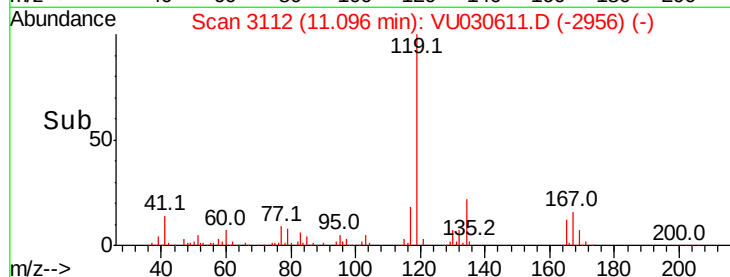
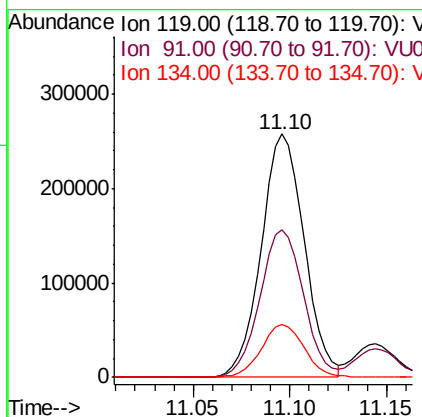
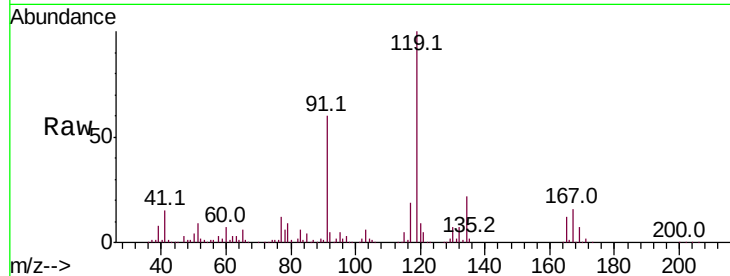
#77
 tert-Butylbenzene
 Concen: 10.036 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	21.9	17.5	26.3

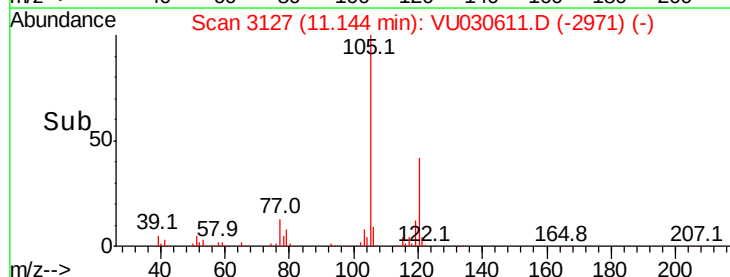
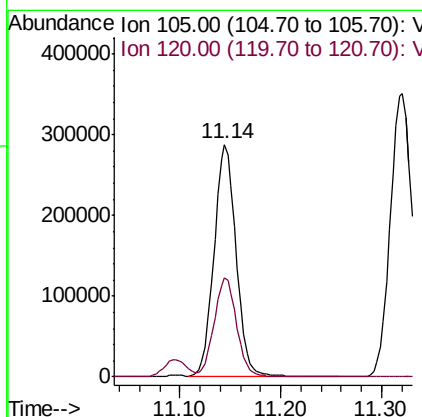
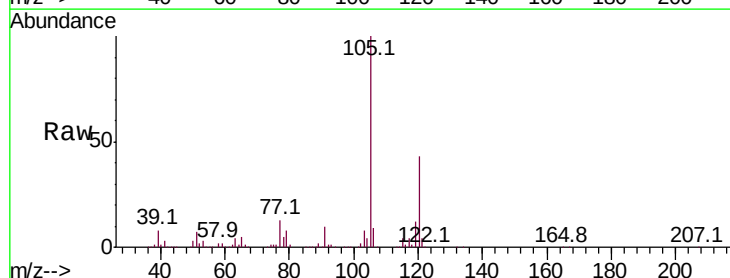
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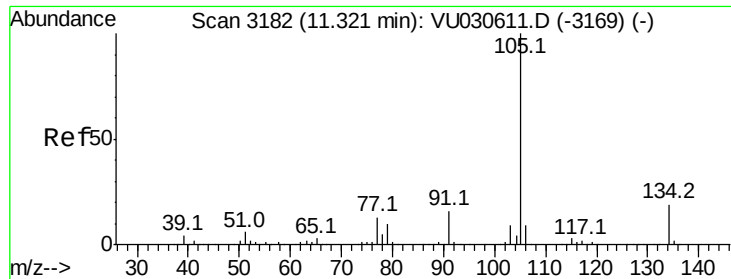
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#78
 1,2,4-Trimethylbenzene
 Concen: 10.570 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.9	65.5





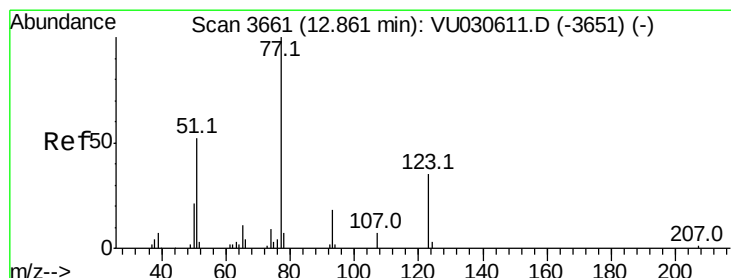
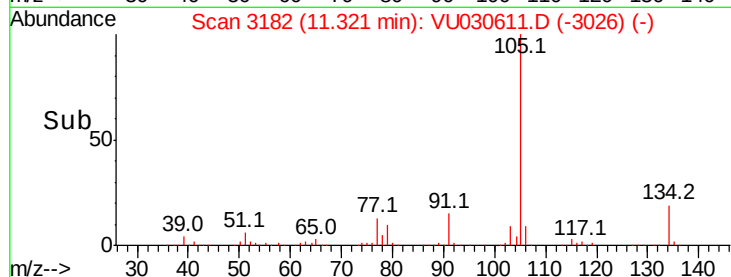
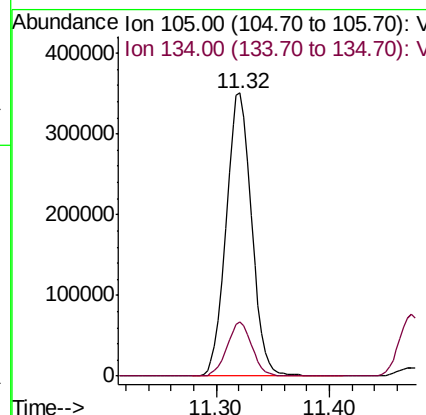
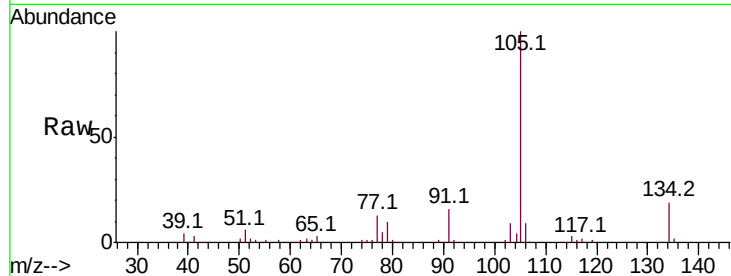
#79
 sec-Butylbenzene
 Concen: 10.293 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.0	22.6

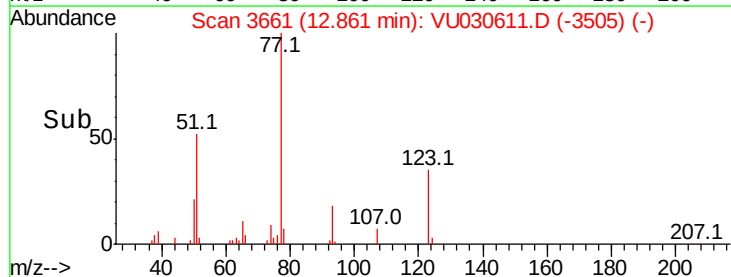
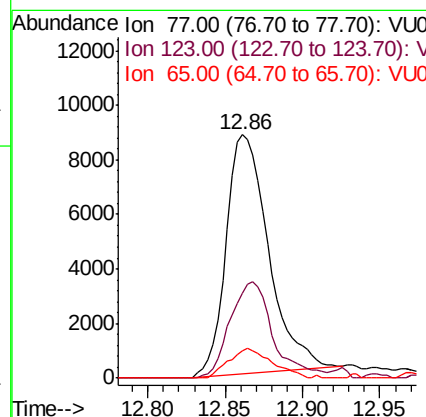
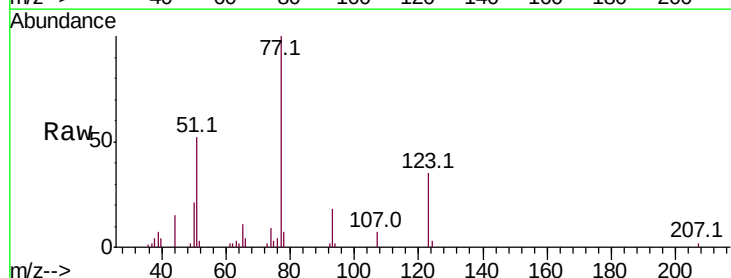
Manual Integrations
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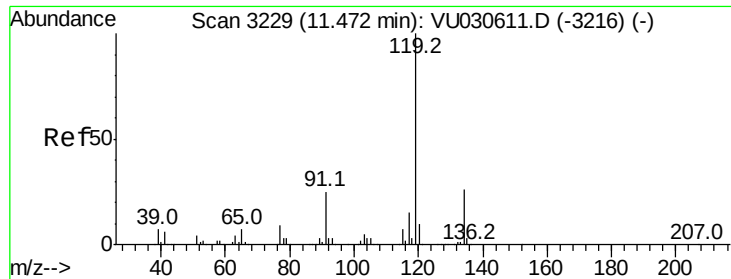
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#80
 Nitrobenzene
 Concen: 79.146 ug/l
 RT: 12.86 min Scan# 3661
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.5	16.5	58.5
65	12.7	11.2	14.2





#81
p-Isopropyltoluene
Concen: 10.045 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

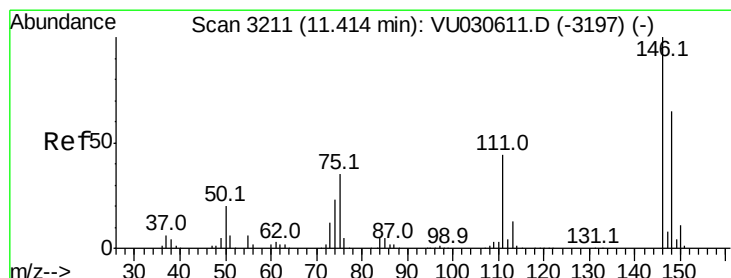
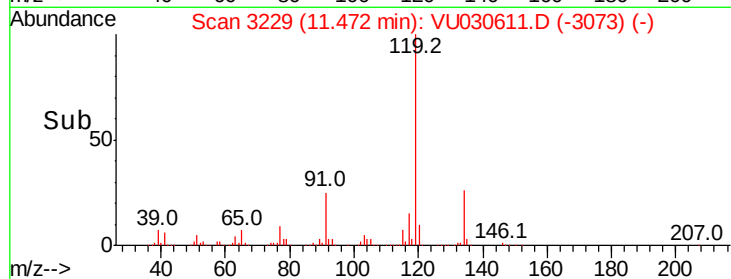
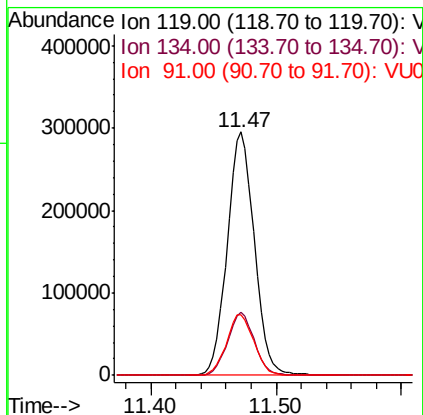
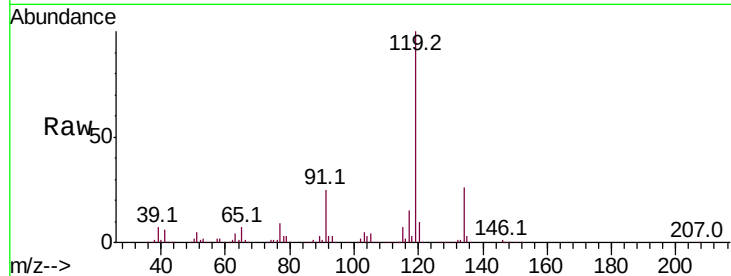
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	25.3	20.2	30.4

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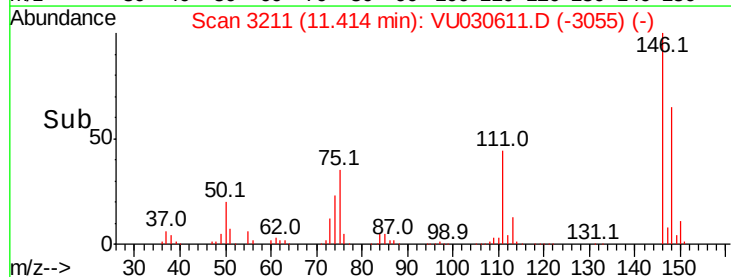
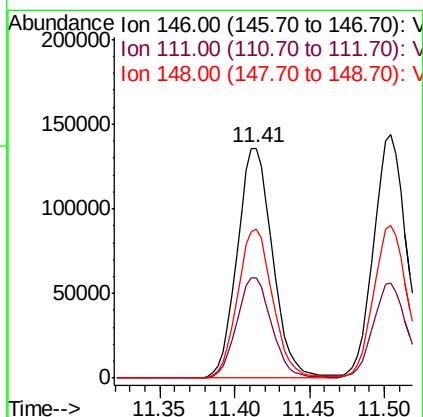
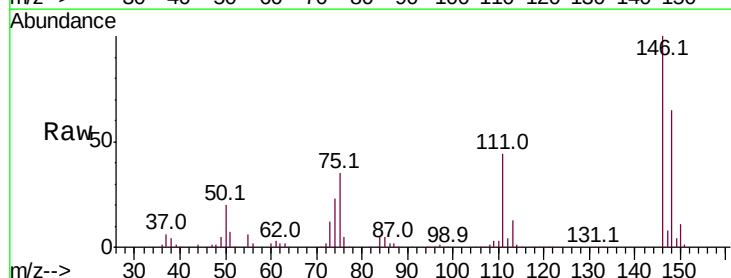
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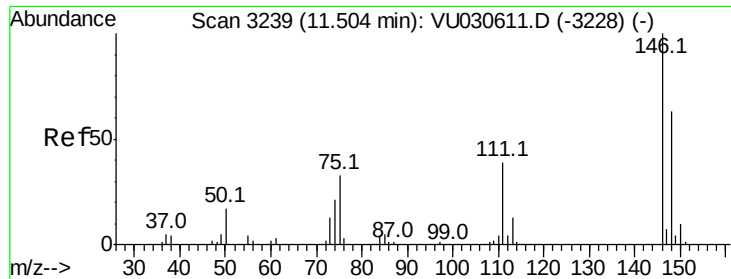
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#82
1,3-Dichlorobenzene
Concen: 9.027 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	34.6	51.8
148	64.1	51.3	76.9





#83
1,4-Dichlorobenzene
Concen: 9.039 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

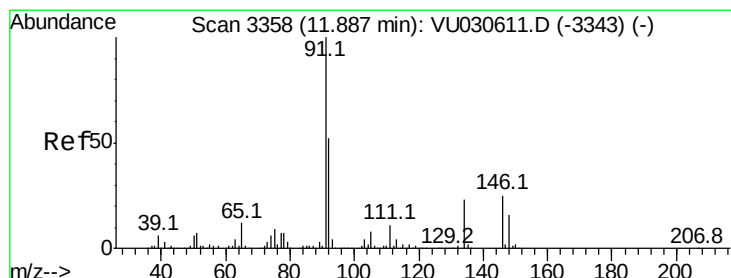
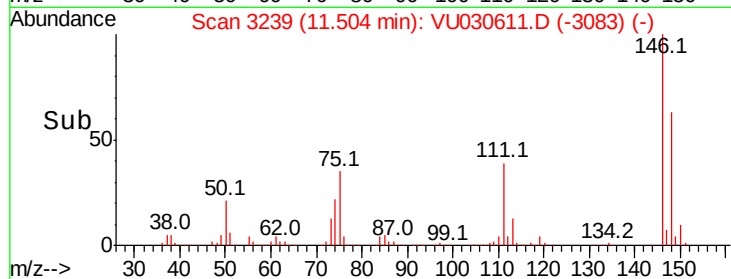
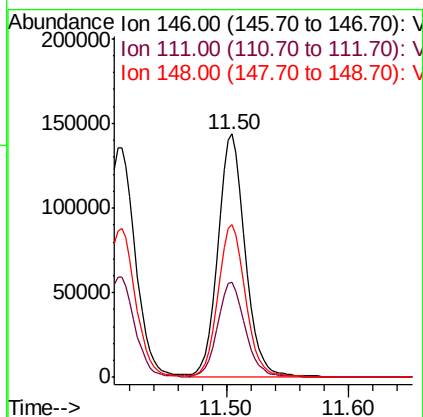
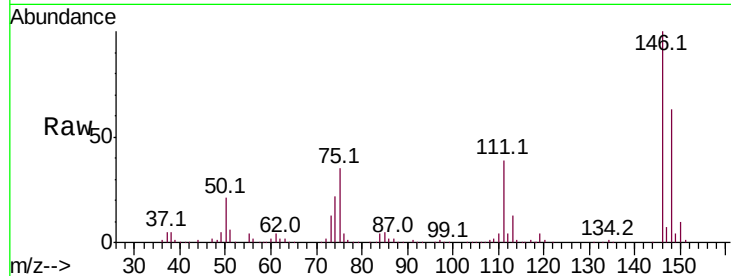
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	32.2	48.2
148	63.8	51.0	76.6

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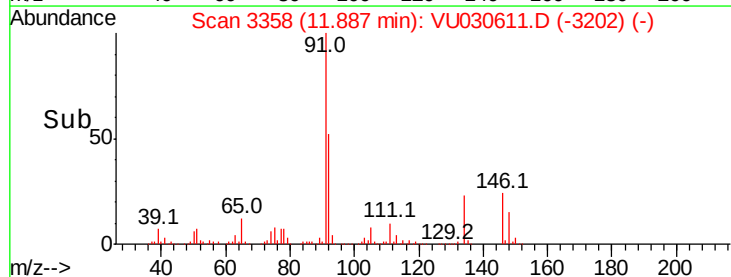
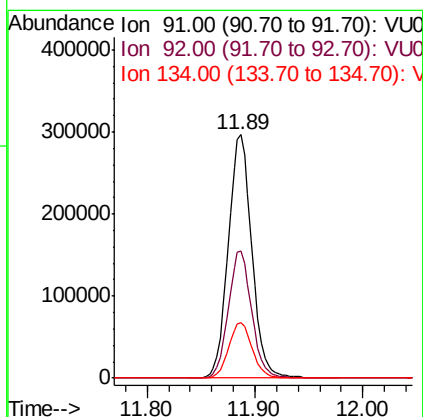
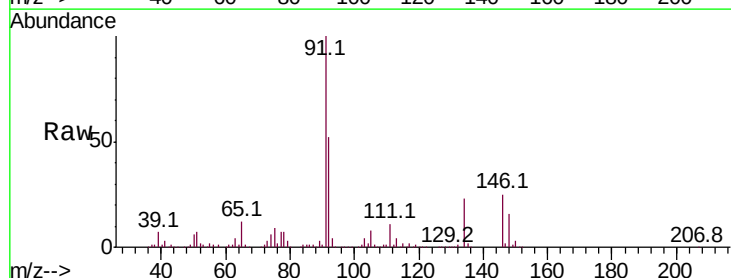
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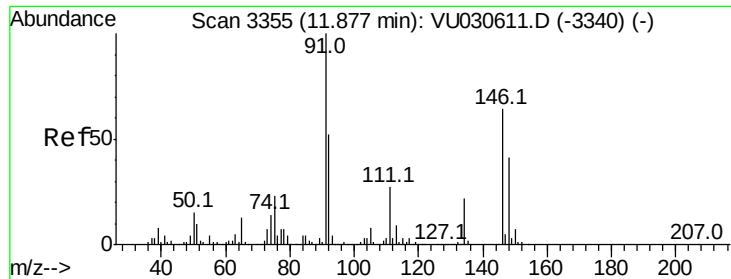
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#84
n-Butylbenzene
Concen: 10.785 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	41.3	61.9
134	22.8	18.2	27.4





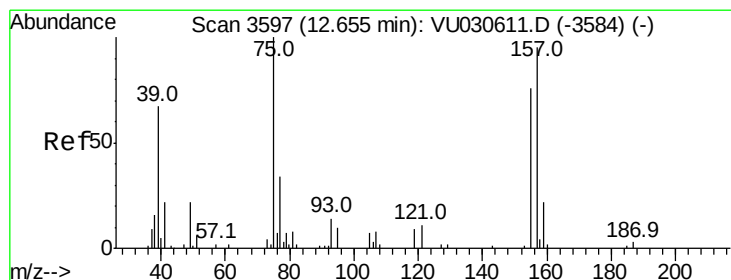
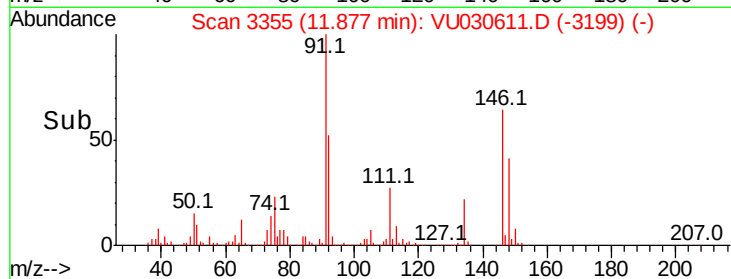
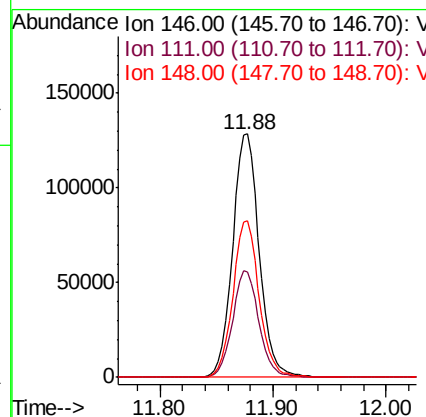
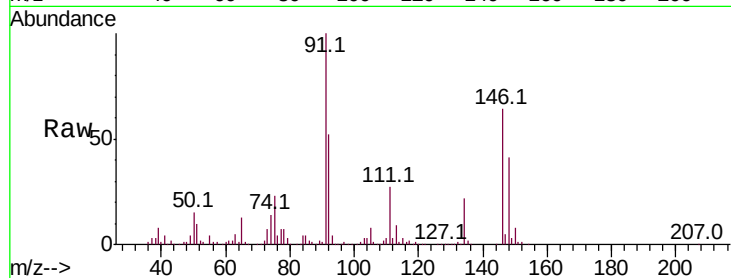
#85
 1,2-Dichlorobenzene
 Concen: 9.081 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	63.4	31.7	95.1

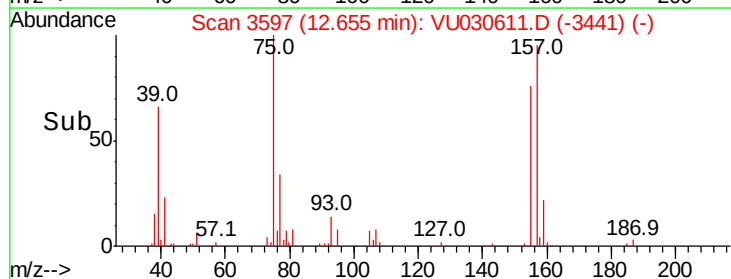
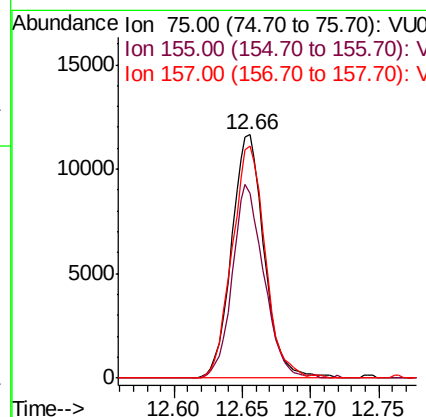
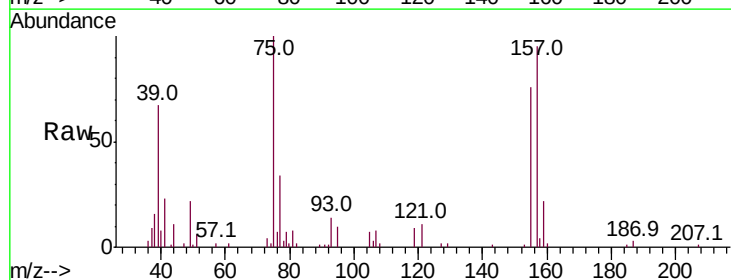
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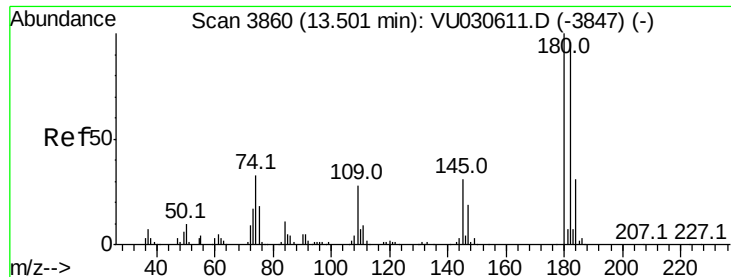
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 13.216 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	61.3	91.9
157	96.7	77.4	116.0





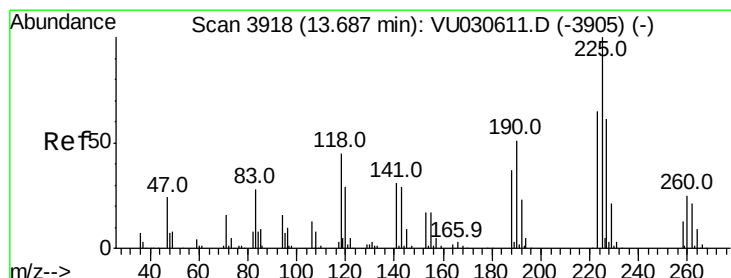
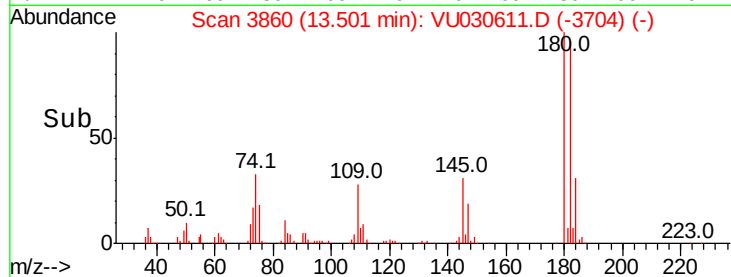
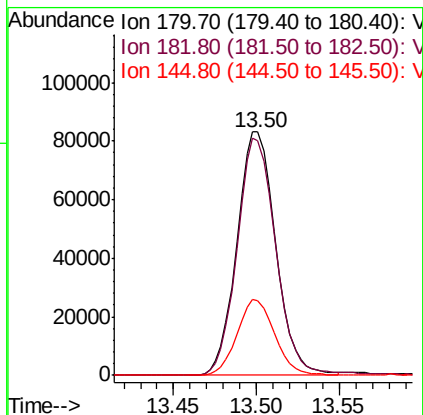
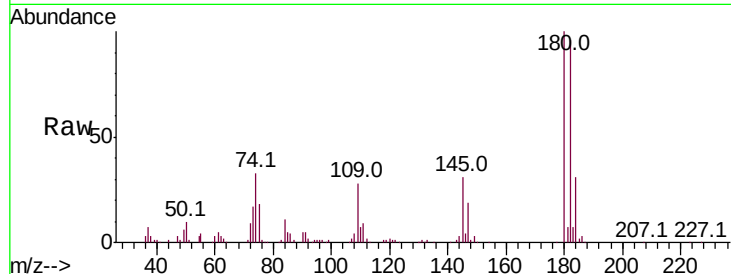
#87
 1,2,4-Trichlorobenzene
 Concen: 8.291 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	78.2	117.4
145	30.5	24.4	36.6

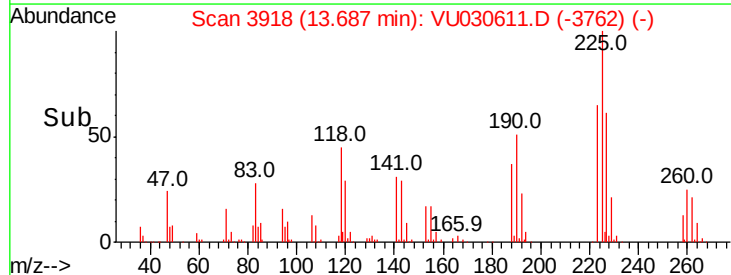
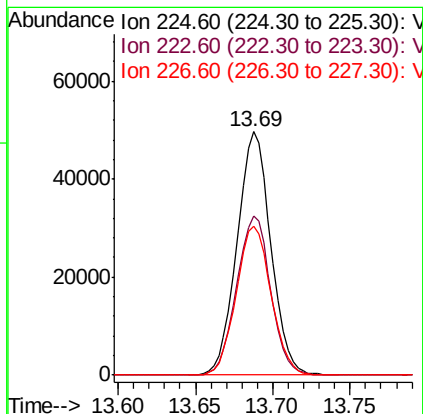
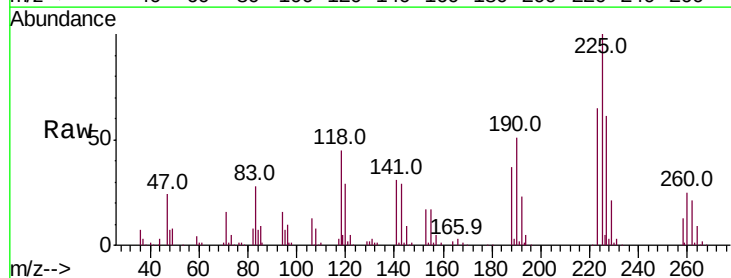
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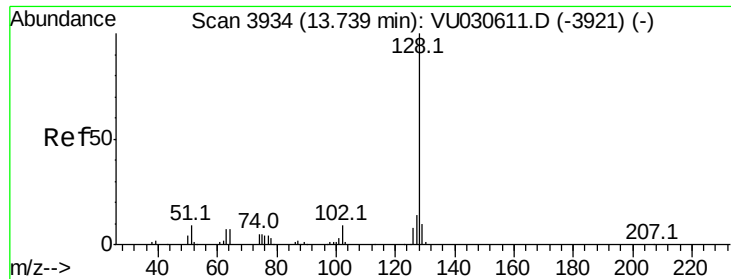
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#88
 Hexachlorobutadiene
 Concen: 8.427 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030611.D
 Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	52.6	78.8
227	63.1	50.5	75.7





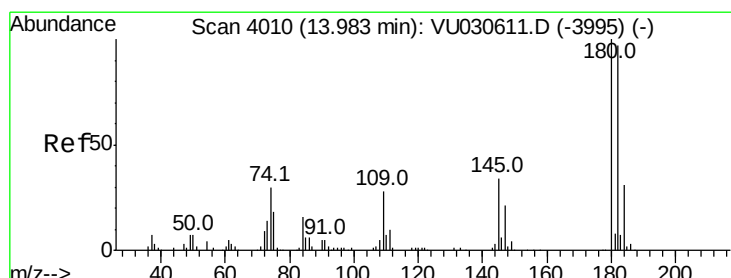
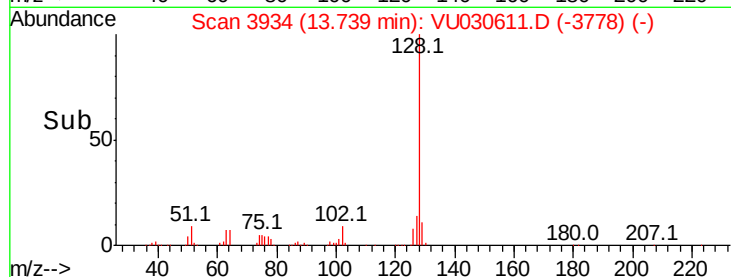
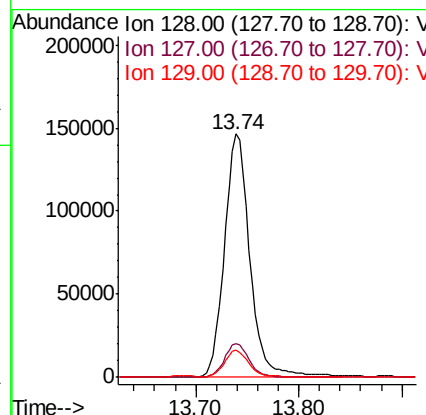
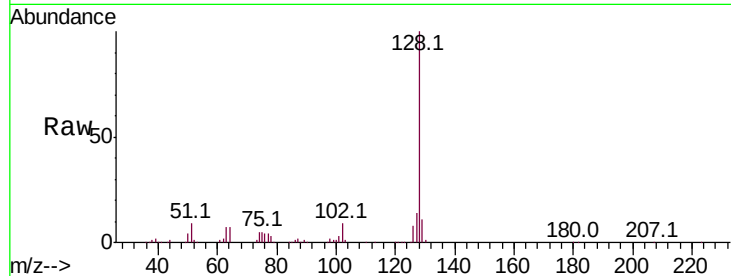
#89
Naphthalene
Concen: 9.748 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.6	8.5	12.7

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#90
1,2,3-Trichlorobenzene
Concen: 8.838 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU030611.D
Acq: 02 Apr 2019 19:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.4	116.0
145	32.7	26.2	39.2

