

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030568.D
 Acq On : 30 Mar 2019 10:48
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:38:02 PM

Quant Time: Mar 31 00:56:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	53633	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	20129	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17536	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	47642	2.338	ug/l	98
3) Chloromethane	1.33	50	58691	2.510	ug/l	100
4) Vinyl Chloride	1.40	62	51594	2.542	ug/l	99
5) Bromomethane	1.63	94	23606	2.132	ug/l	94
6) Chloroethane	1.70	64	30562	2.629	ug/l	98
7) Trichlorofluoromethane	1.88	101	57057	2.230	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	29215	2.131	ug/l	100
9) 1,1-Dichloroethene	2.28	96	28543	2.099	ug/l	96
10) Iodomethane	2.41	142	21686	1.855	ug/l	98
11) Allyl Chloride	2.59	41	65309	3.099	ug/l	97
12) Acrylonitrile	2.94	53	16213	5.241	ug/l	95
13) Acetone	2.32	43	37776	13.807	ug/l	99
14) Carbon Disulfide	2.47	76	107341	2.244	ug/l	100
15) Methylene Chloride	2.69	84	35806	2.195	ug/l	98
16) trans-1,2-Dichloroethene	2.97	96	32187	2.059	ug/l	97
17) 1,1-Dichloroethane	3.44	63	66542	2.428	ug/l	100
18) 2-Butanone	4.28	43	46519	12.258	ug/l	97
19) Cyclohexane	4.98	56	48326	2.049	ug/l	91
20) Methylcyclohexane	6.41	83	45953	1.845	ug/l	95
21) 2,2-Dichloropropane	4.22	77	51370	2.259	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	34194	1.973	ug/l	97
23) Diethyl Ether	2.10	59	27077	2.545	ug/l	98
24) tert-Butyl Alcohol	2.84	59	26204	23.081	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	81670	2.310	ug/l	94
26) Bromochloromethane	4.54	128	14087	1.890	ug/l	99
27) Chloroform	4.67	83	63400	2.229	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	50736	2.186	ug/l	99
29) 1,1-Dichloropropene	5.13	75	43771	2.075	ug/l	98
30) Carbon Tetrachloride	5.13	117	42120	2.047	ug/l	98
31) Isopropyl Ether	3.58	45	105715	2.637	ug/l	98
32) Ethyl-t-butyl ether	4.07	59	83468	2.249	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	64846	1.945	ug/l	99
34) Propionitrile	4.34	54	12308	11.697	ug/l #	96
35) Benzene	5.38	78	135661	2.190	ug/l	100
36) 1,2-Dichloroethane	5.40	62	41602	2.444	ug/l	100
37) Trichloroethene	6.18	130	32043	1.855	ug/l	99
38) 1,2-Dichloropropane	6.43	63	36873	2.303	ug/l	96
39) Methacrylonitrile	4.55	41	11682	2.496	ug/l	96
40) Methyl acrylate	4.44	55	15968	2.242	ug/l #	93
41) Tetrahydrofuran	4.65	42	12323	4.846	ug/l	97
42) 1-Chlorobutane	5.06	56	66837	2.342	ug/l	99

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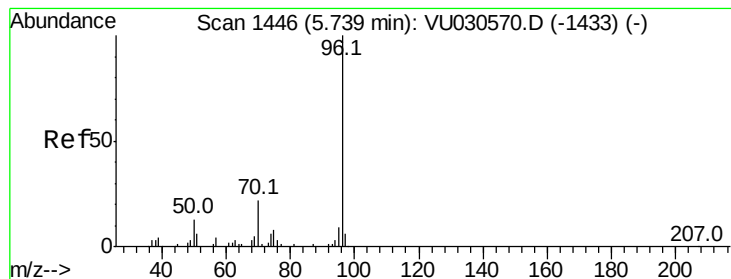
Manual Integrations
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	16105	1.984	ug/l	93
44) Bromodichloromethane	6.76	83	43980	2.244	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	107557	12.577	ug/l	97
46) t-1,4-Dichloro-2-butene	10.51	75	10053m	3.207	ug/l	
47) Methyl methacrylate	6.63	69	27015	3.930	ug/l	97
48) Ethyl methacrylate	8.02	69	26968	2.090	ug/l	96
49) Toluene	7.63	92	73697	2.003	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	34877	1.997	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	45111	2.072	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	23339	2.056	ug/l	97
53) 1,3-Dichloropropane	8.24	76	42115	2.182	ug/l	97
54) 2-Hexanone	8.37	43	73497	12.051	ug/l	96
55) Dibromochloromethane	8.47	129	26210	1.940	ug/l	100
56) 1,2-Dibromoethane	8.59	107	21693	2.006	ug/l	99
58) Tetrachloroethene	8.22	164	29416	1.879	ug/l	98
59) Chlorobenzene	9.12	112	80945	1.942	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	28555	1.952	ug/l	97
61) Pentachloroethane	11.10	117	21478	1.886	ug/l	99
62) Hexachloroethane	12.14	117	18875	1.694	ug/l	96
63) Ethyl Benzene	9.25	91	133344	1.919	ug/l	98
64) m/p-Xylenes	9.37	106	98216	3.659	ug/l	92
65) o-Xylene	9.77	106	47424	1.803	ug/l	100
66) Styrene	9.79	104	80193	1.845	ug/l	98
67) Bromoform	9.95	173	13803	1.803	ug/l	97
69) Isopropylbenzene	10.16	105	128172	1.851	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	31817	2.238	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	22644m	2.195	ug/l	
72) Bromobenzene	10.45	156	31489	1.772	ug/l	98
73) n-propylbenzene	10.58	120	33063	1.704	ug/l	99
74) 2-Chlorotoluene	10.66	126	31857	1.868	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	108786	1.851	ug/l	99
76) 4-Chlorotoluene	10.77	126	29874	1.722	ug/l	91
77) tert-Butylbenzene	11.10	119	101199	1.770	ug/l	98
78) 1,2,4-Trimethylbenzene	11.14	105	105880	1.777	ug/l	97
79) sec-Butylbenzene	11.32	105	141445	1.843	ug/l	100
80) Nitrobenzene	12.89	77	1178m	4.814	ug/l	
81) p-Isopropyltoluene	11.47	119	104311	1.643	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	62431	1.742	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	62302	1.730	ug/l	97
84) n-Butylbenzene	11.89	91	99337	1.663	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	58853	1.762	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.65	75	4364	2.131	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	29805	1.274	ug/l	94
88) Hexachlorobutadiene	13.69	225	20779	1.605	ug/l	99
89) Naphthalene	13.74	128	45931	1.251	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	30331	1.423	ug/l	95

(#) = 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: VU030568.D

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Instrument :

MSVOA_U

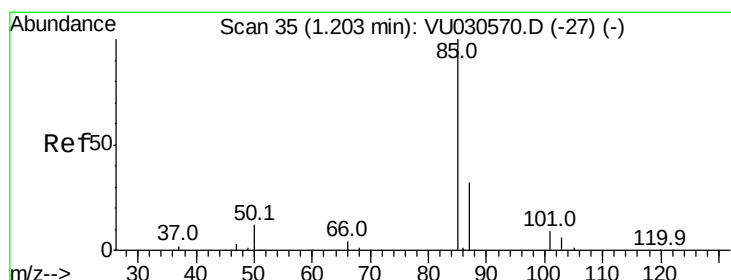
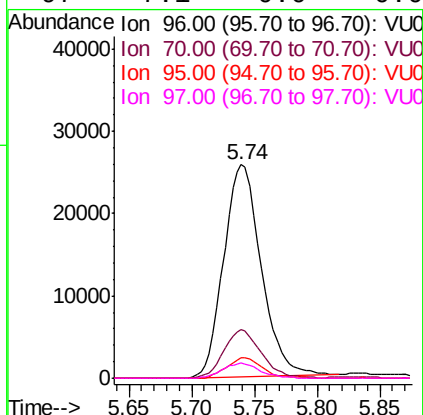
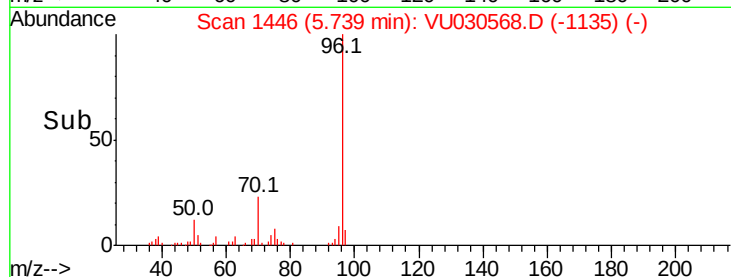
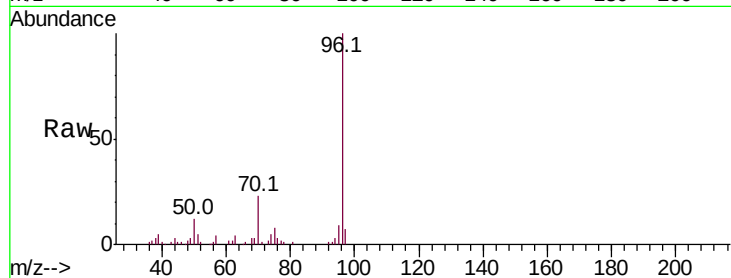
ClientSampleId :

VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	22.7	15.6	23.4	
95	9.2	7.3	10.9	
97	7.1	0.0	0.0	

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#2

Dichlorodifluoromethane

Concen: 2.338 ug/l

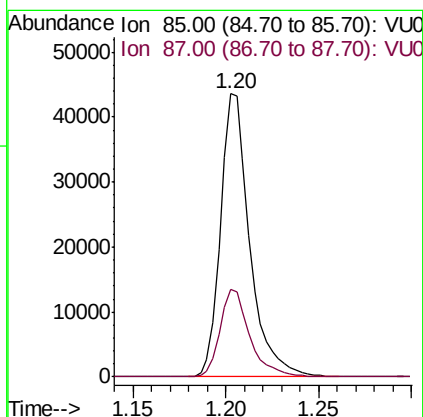
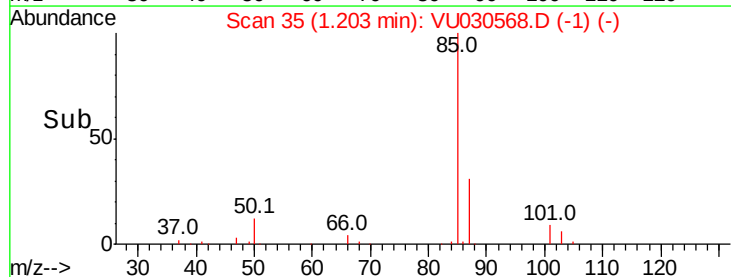
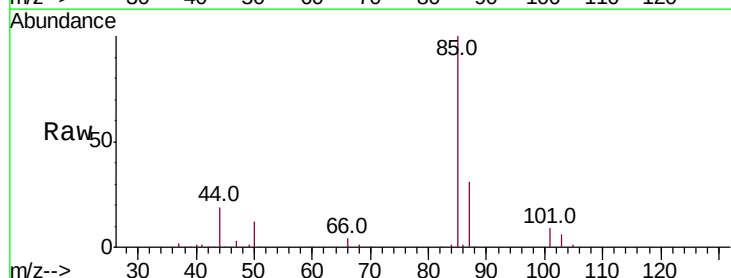
RT: 1.20 min Scan# 35

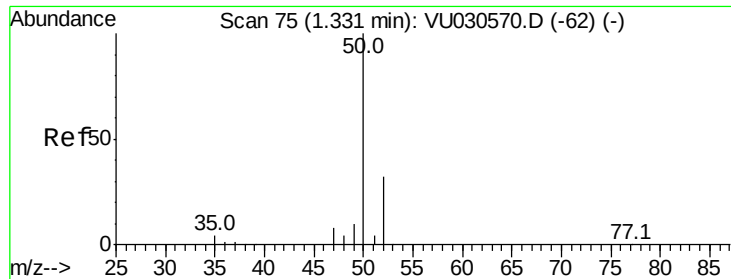
Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	30.7	15.9	47.6	





#3

Chloromethane

Concen: 2.510 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 50 Resp: 58691

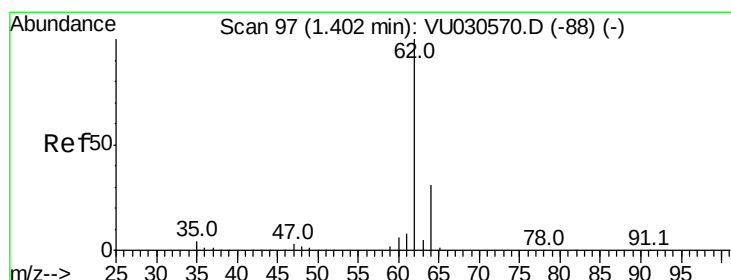
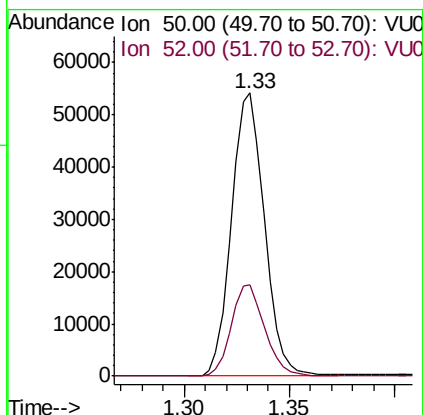
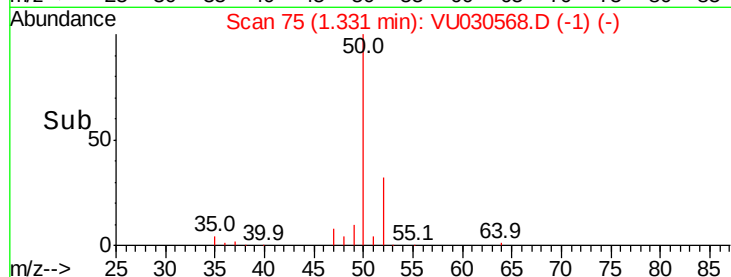
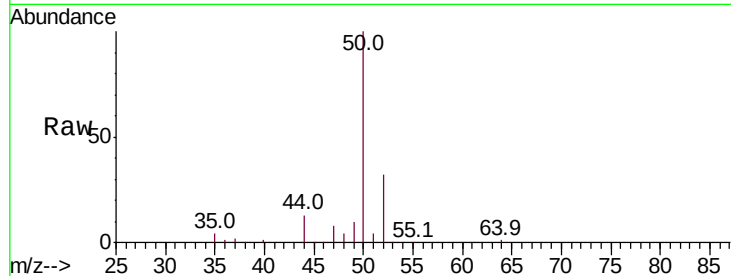
Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 2.542 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030568.D

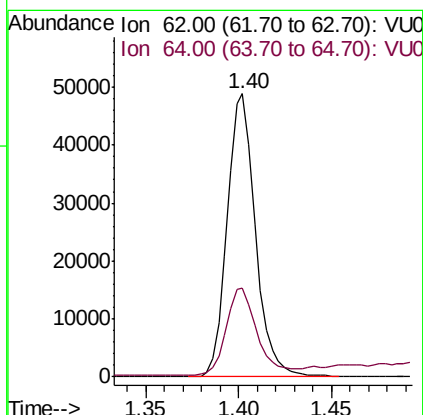
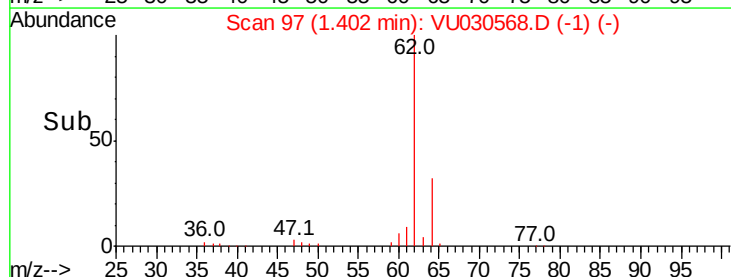
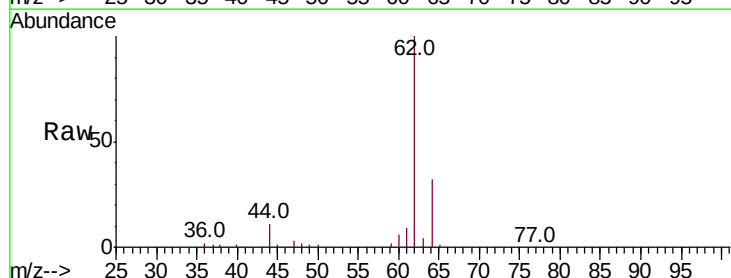
Acq: 30 Mar 2019 10:48

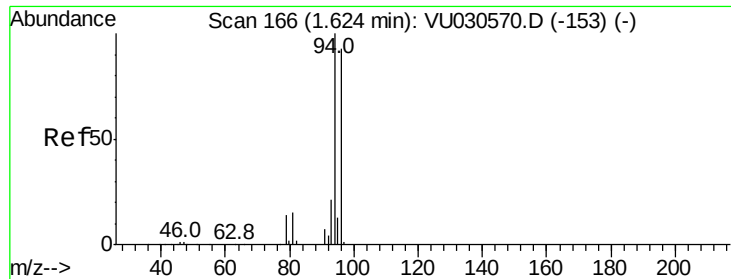
Tgt Ion: 62 Resp: 51594

Ion Ratio Lower Upper

62 100

64 31.0 25.1 37.7





#5

Bromomethane

Concen: 2.132 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 94 Resp: 23606

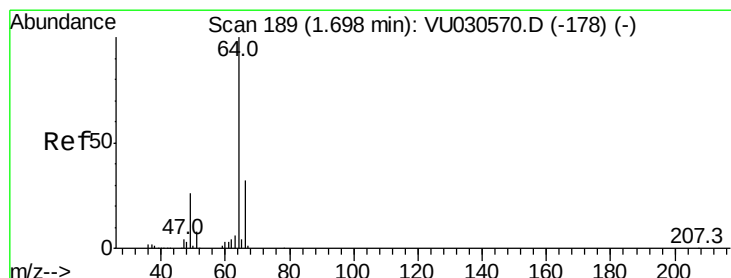
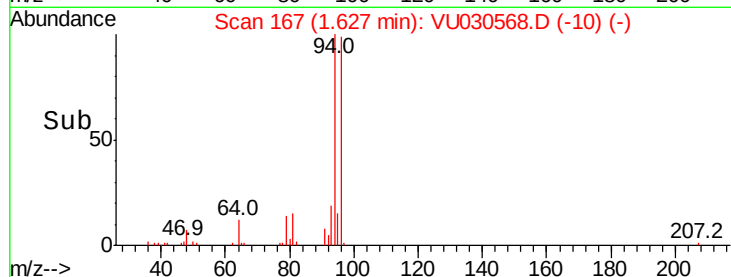
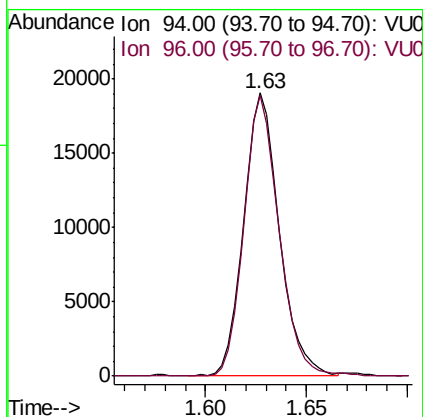
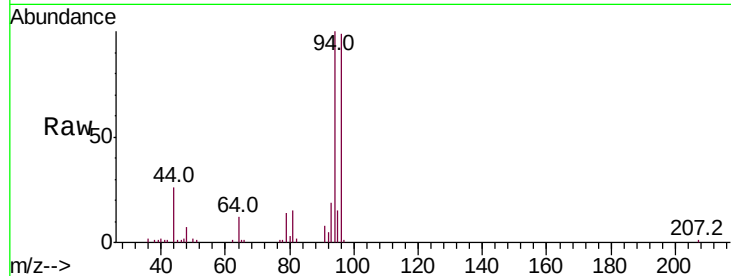
Ion Ratio Lower Upper

94 100

96 99.0 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 2.629 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030568.D

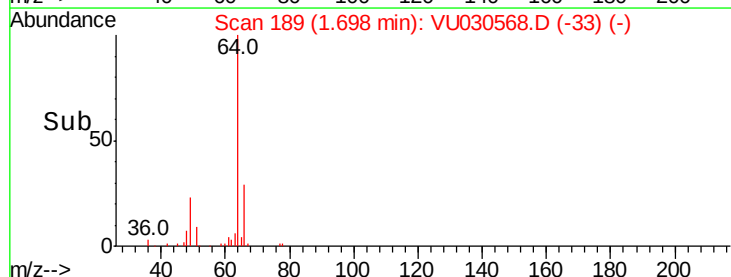
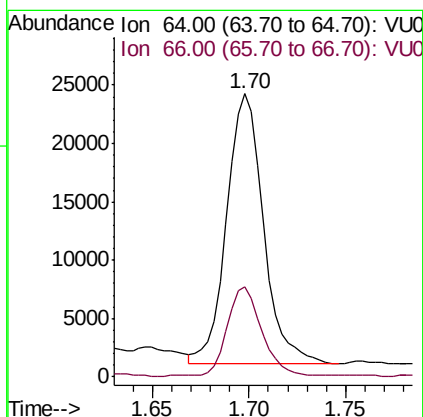
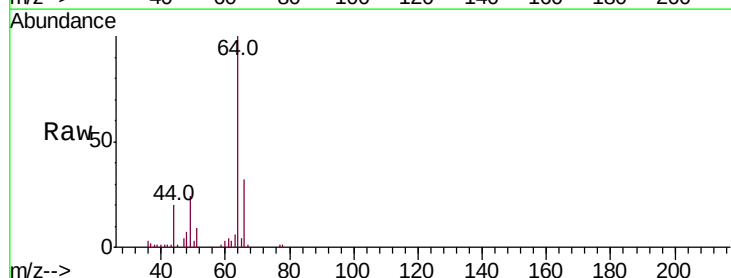
Acq: 30 Mar 2019 10:48

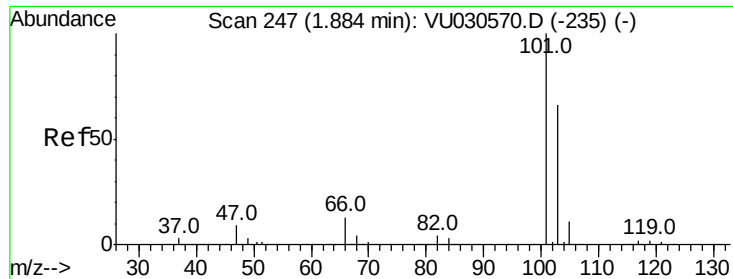
Tgt Ion: 64 Resp: 30562

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3





#7

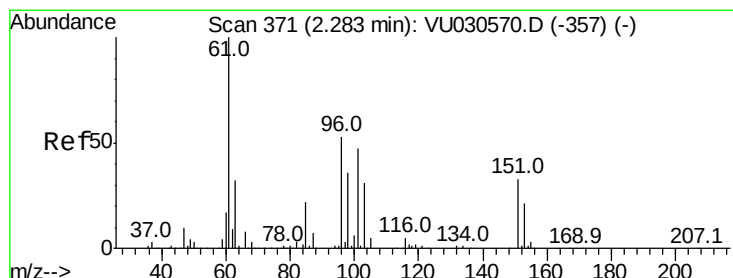
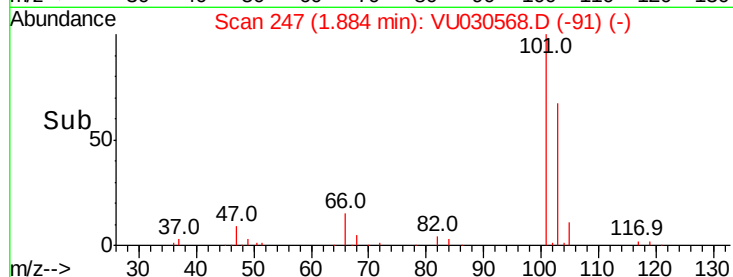
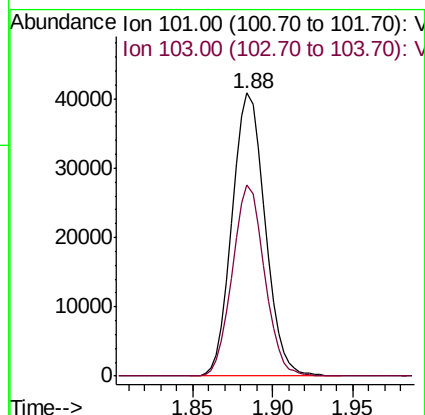
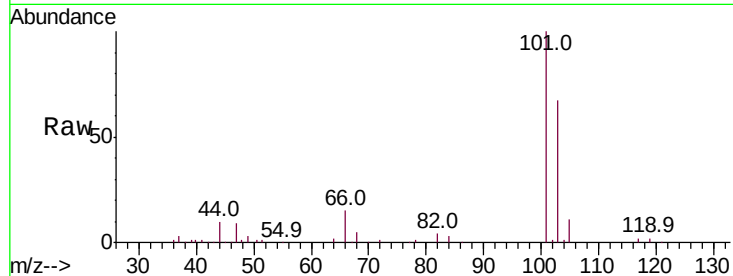
Trichlorofluoromethane
 Concen: 2.230 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.6	79.0

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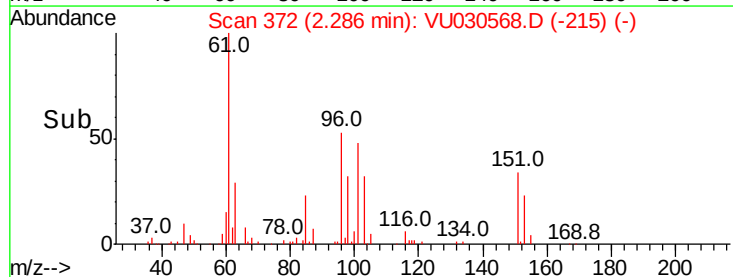
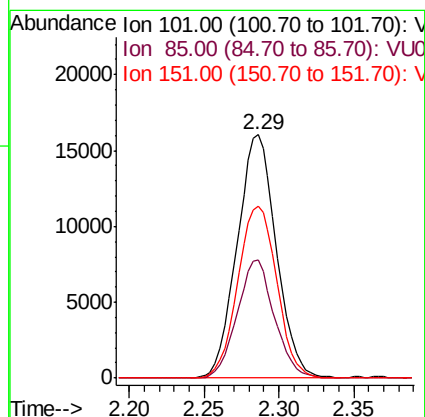
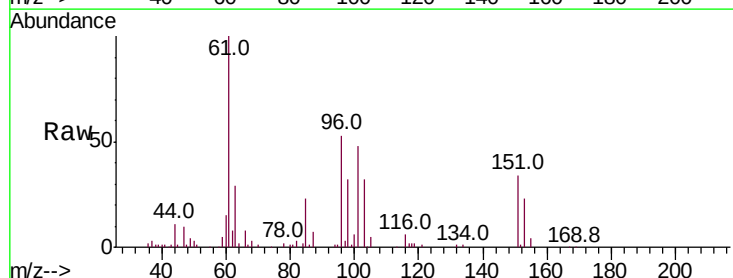
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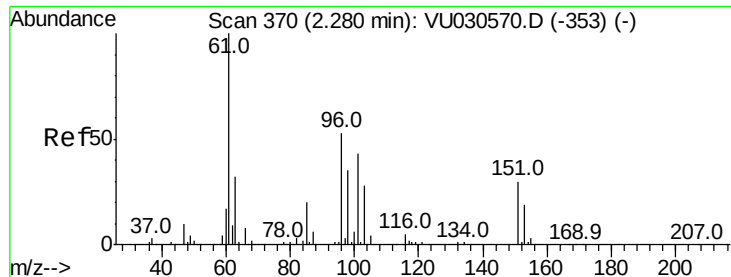


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.131 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.5	54.7
151	70.3	56.5	84.7





#9

1,1-Dichloroethene

Concen: 2.099 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

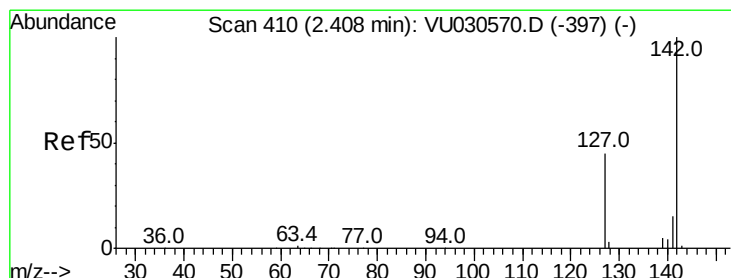
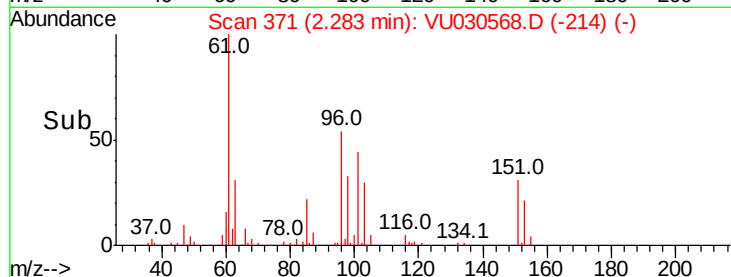
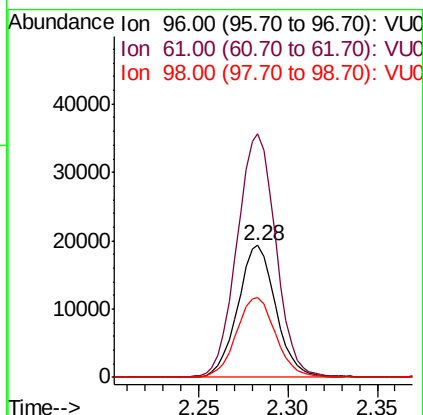
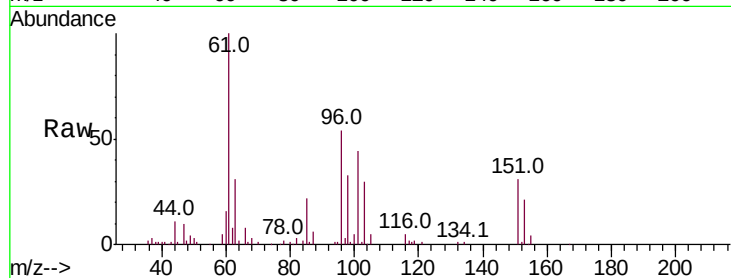
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	28543
Ion	Ratio	Lower	Upper
96	100		
61	184.9	0.0	567.0
98	60.5	0.0	132.2

Manual Integrations
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#10

Iodomethane

Concen: 1.855 ug/l

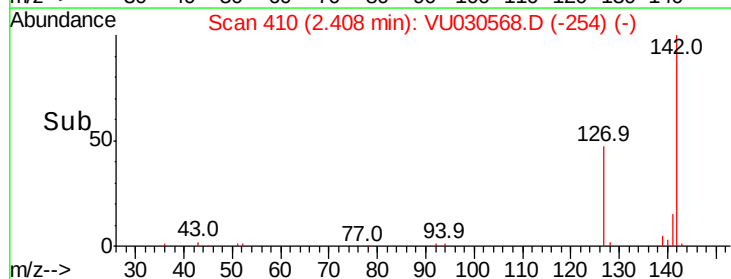
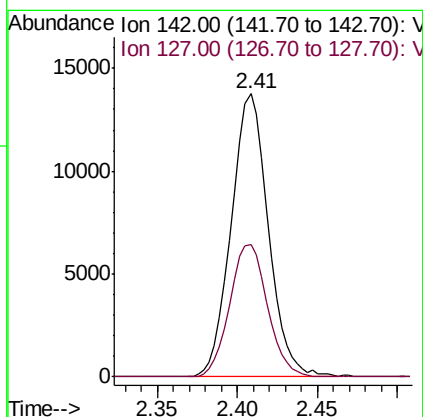
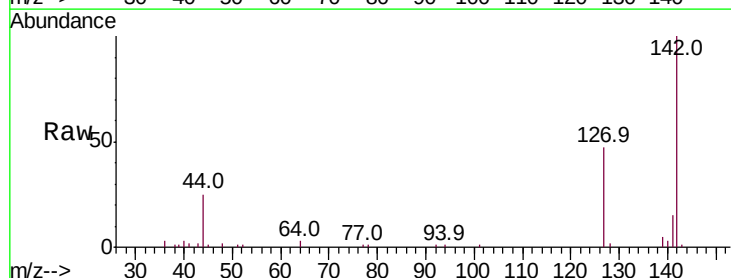
RT: 2.41 min Scan# 410

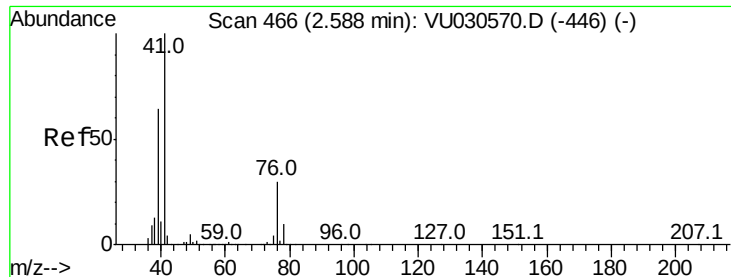
Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Tgt Ion:	142	Resp:	21686
Ion	Ratio	Lower	Upper
142	100		
127	47.6	36.8	55.2





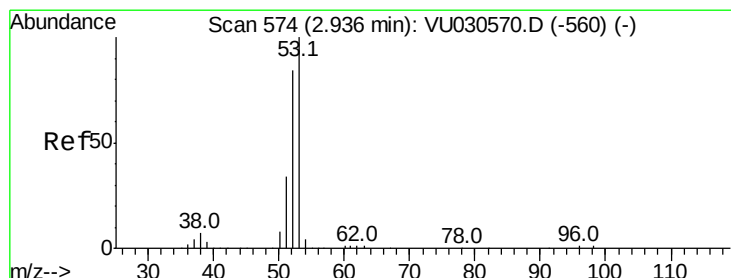
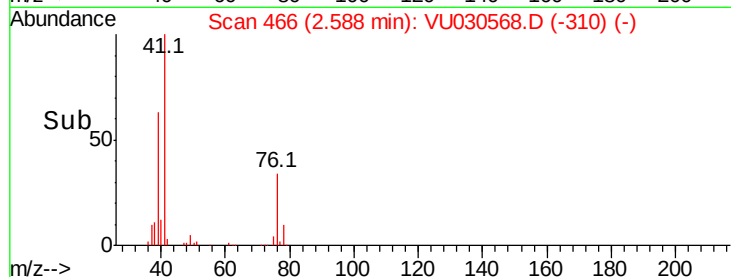
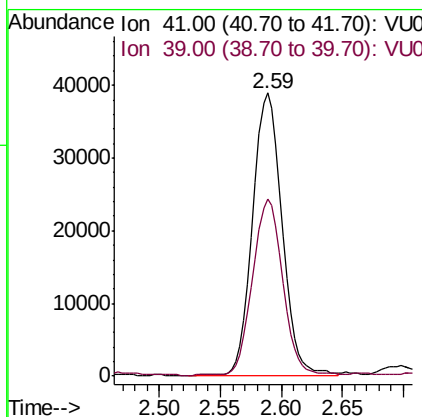
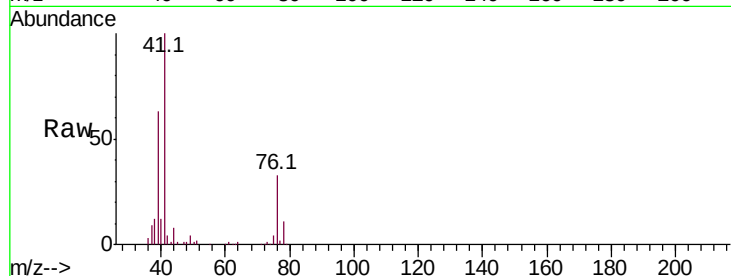
#11
 Allvl Chloride
 Concen: 3.099 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 41 Resp: 65309
 Ion Ratio Lower Upper
 41 100
 39 62.3 51.8 77.6

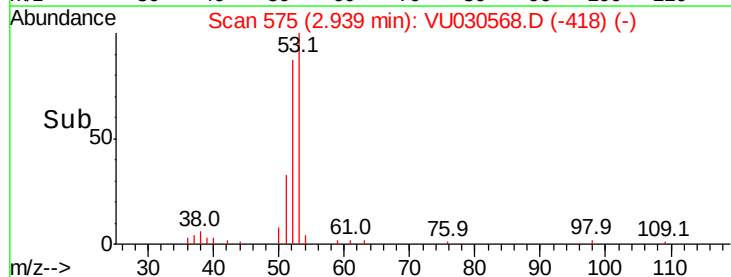
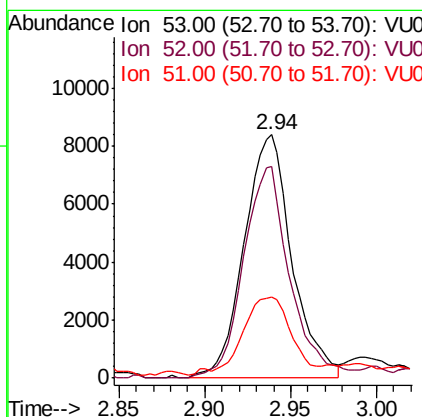
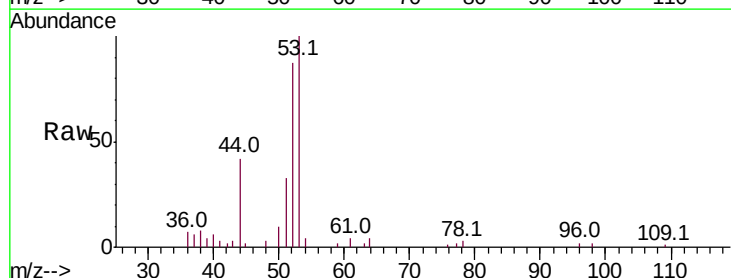
Manual Integrations
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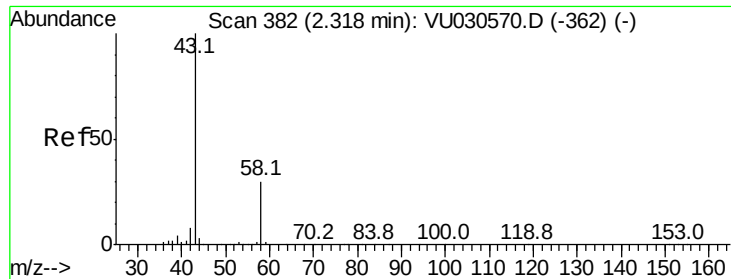
MMDadoda
 4/5/2019 2:38:02 PM



#12
 Acrylonitrile
 Concen: 5.241 ug/l
 RT: 2.94 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion: 53 Resp: 16213
 Ion Ratio Lower Upper
 53 100
 52 84.2 69.1 103.7
 51 29.1 27.9 41.9





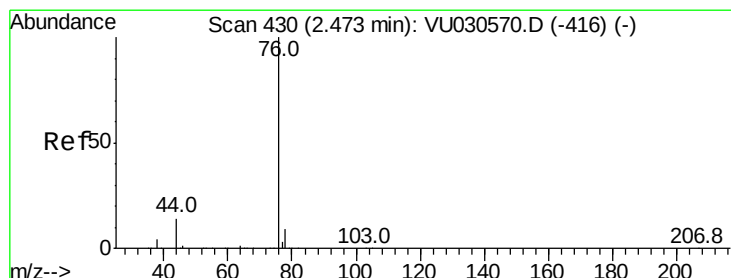
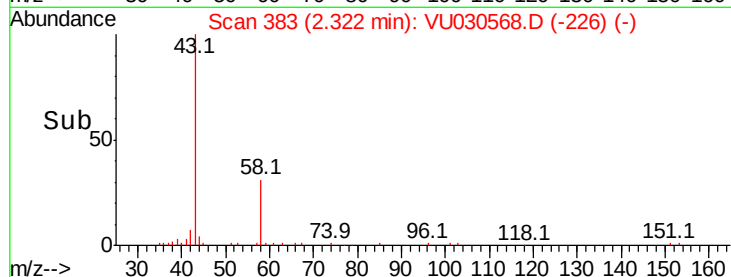
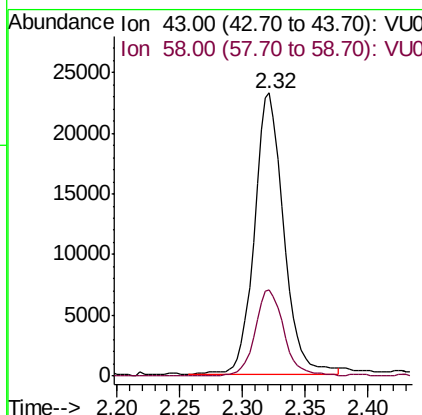
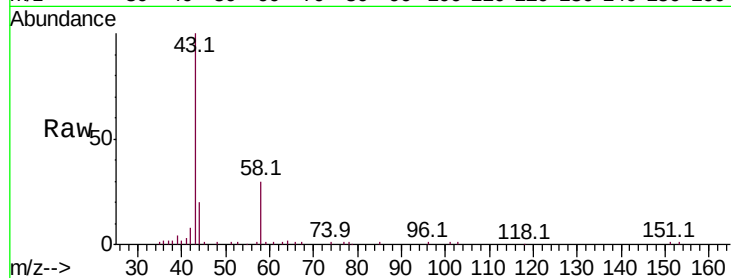
#13
Acetone
Concen: 13.807 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 43 Resp: 37776
Ion Ratio Lower Upper
43 100
58 30.6 24.2 36.4

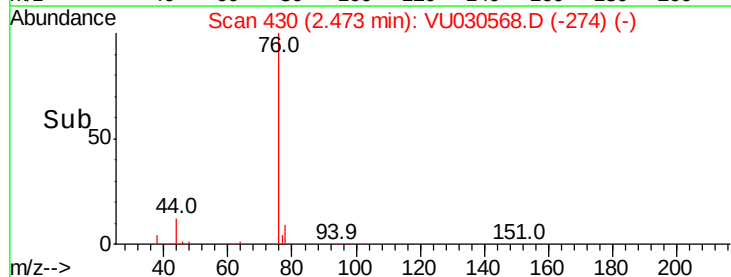
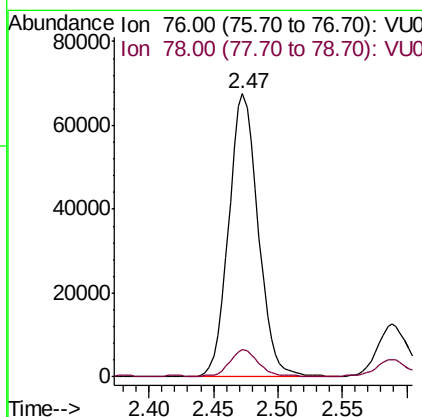
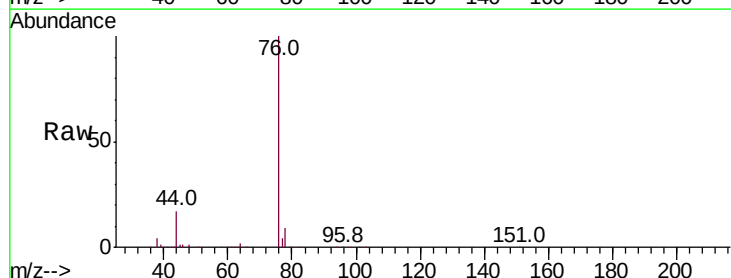
Manual Integrations
APPROVED

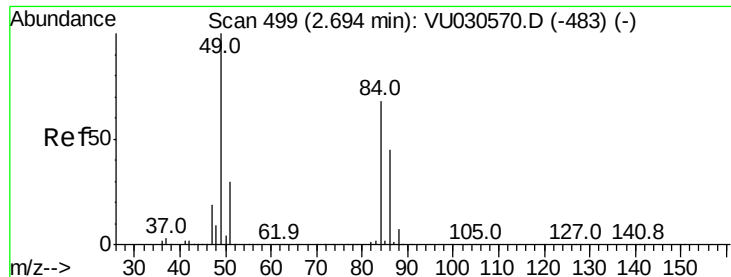
MMDadoda
4/5/2019 2:38:02 PM



#14
Carbon Disulfide
Concen: 2.244 ug/l
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 76 Resp: 107341
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9





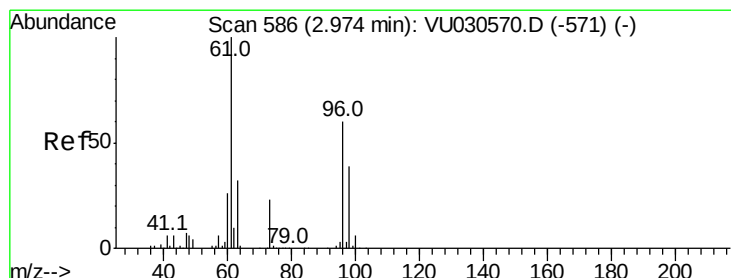
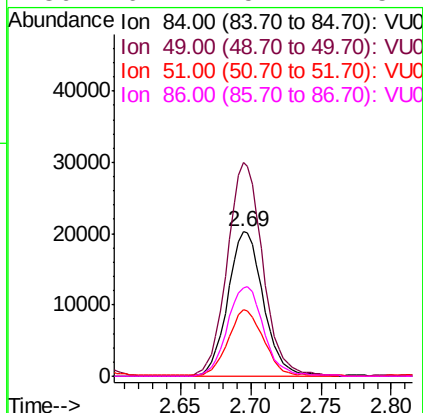
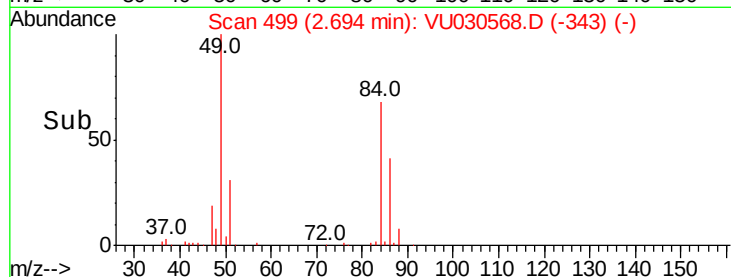
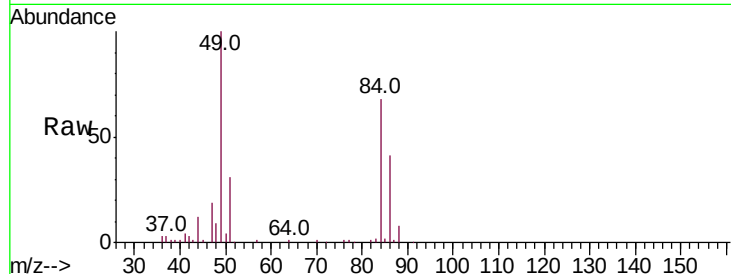
#15
Methylene Chloride
Concen: 2.195 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
84	100		
49	148.0	117.0	175.6
51	45.9	0.0	88.6
86	61.4	52.2	78.2

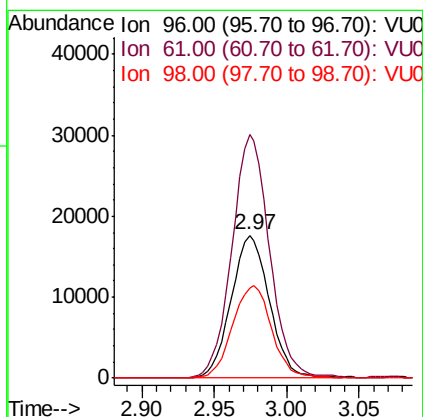
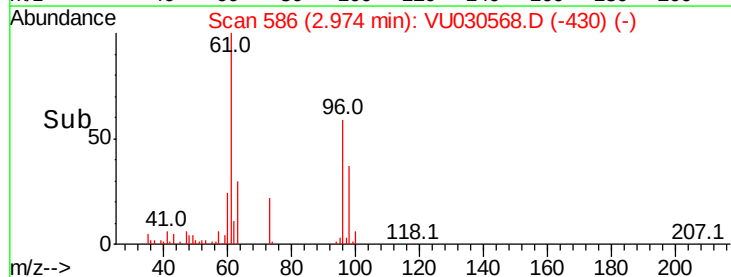
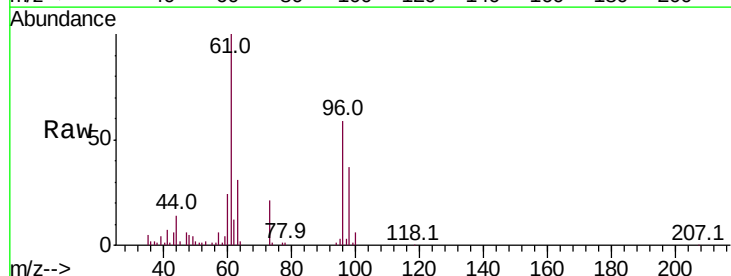
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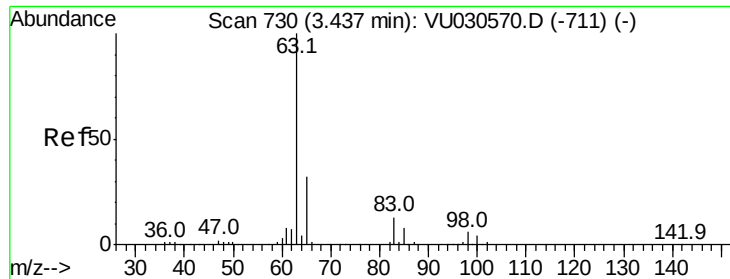
MMDadoda
4/5/2019 2:38:02 PM



#16
trans-1,2-Dichloroethene
Concen: 2.059 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.4	132.3	198.5
98	63.2	51.3	76.9





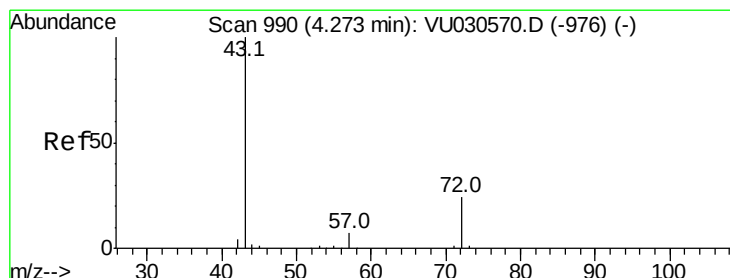
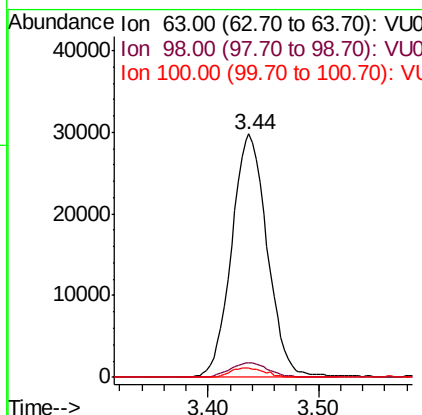
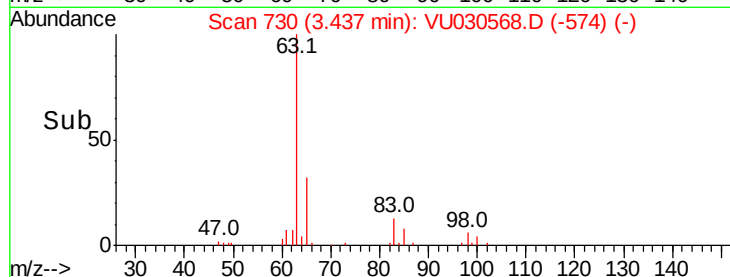
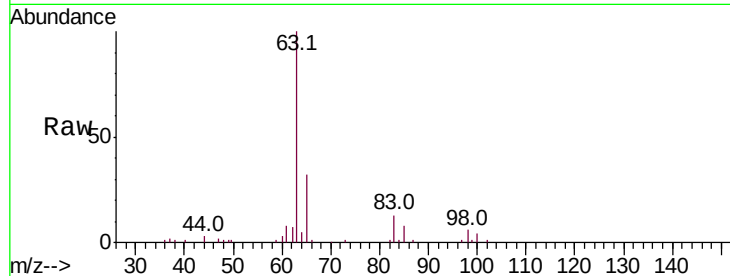
#17
 1,1-Dichloroethane
 Concen: 2.428 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.0	9.0
100	3.6	1.8	5.5

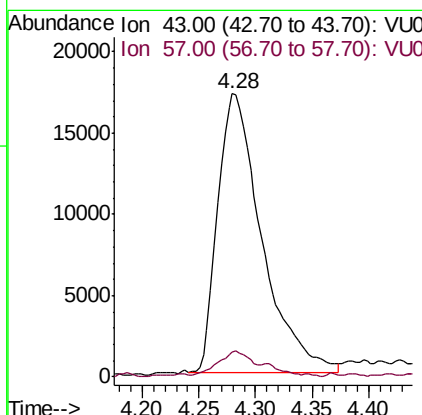
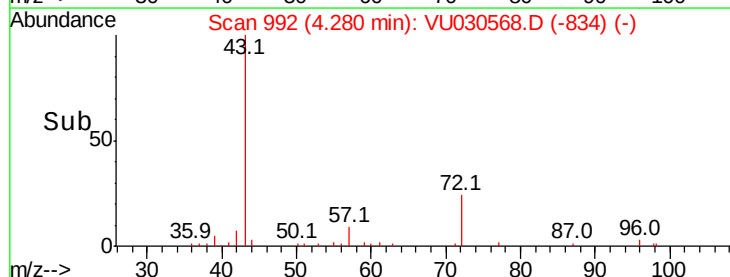
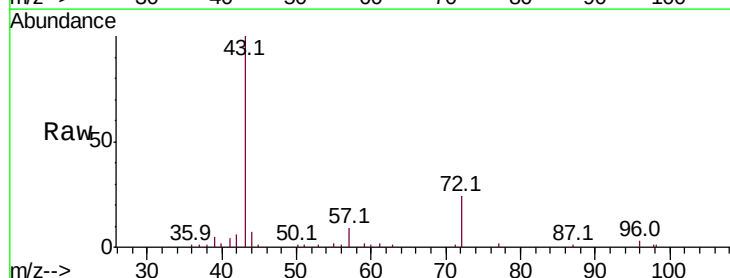
Manual Integrations
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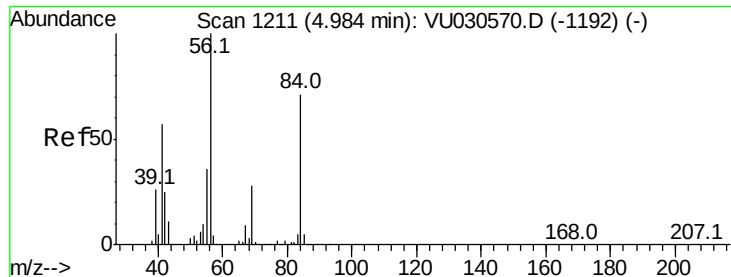
MMDadoda
 4/5/2019 2:38:02 PM



#18
 2-Butanone
 Concen: 12.258 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	0.0	14.4





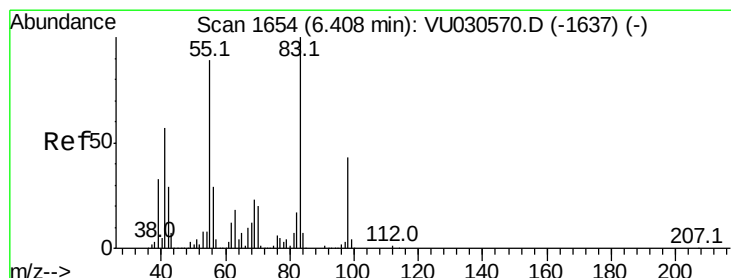
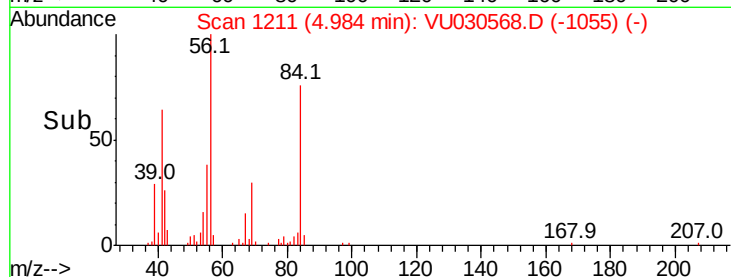
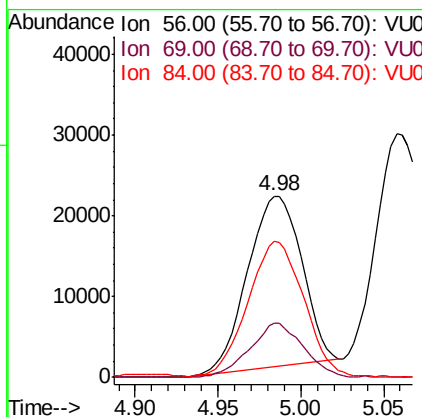
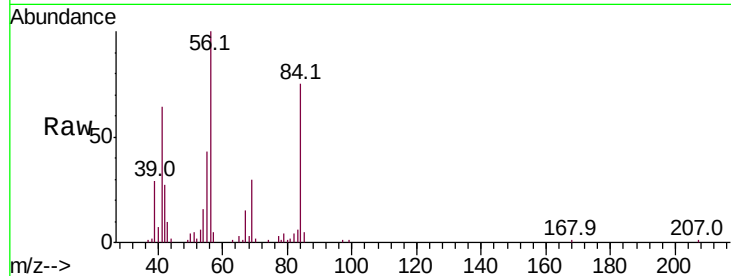
#19
Cyclohexane
Concen: 2.049 ug/l
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	22.3	33.5
84	80.7	57.6	86.4

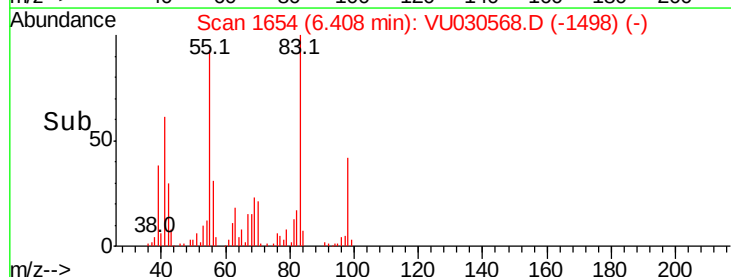
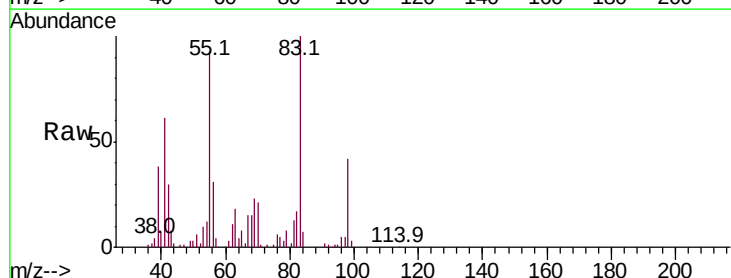
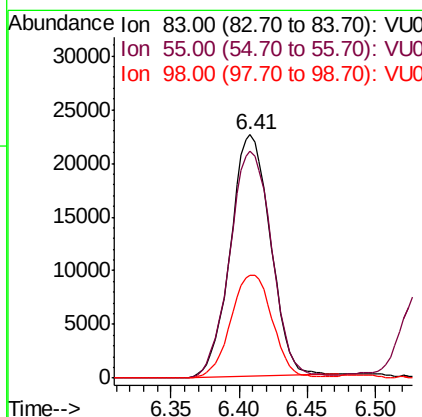
Manual Integrations
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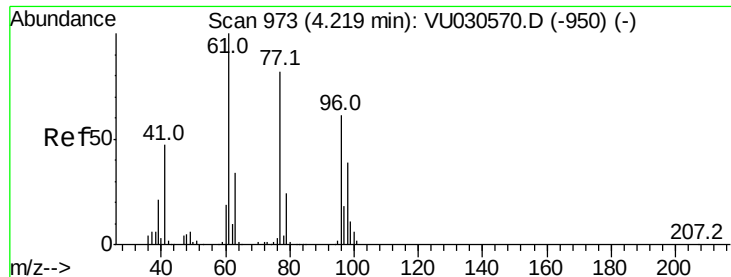
MMDadoda
4/5/2019 2:38:02 PM



#20
Methylcyclohexane
Concen: 1.845 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
83	100		
55	97.4	72.0	108.0
98	43.9	35.0	52.4





#21

2,2-Dichloropropane

Concen: 2.259 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 77 Resp: 51370

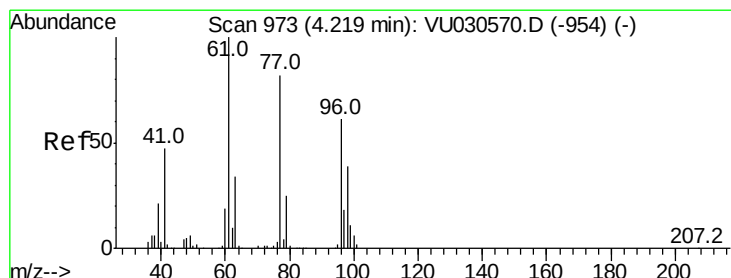
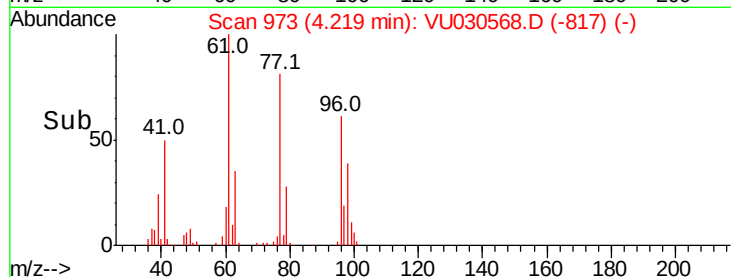
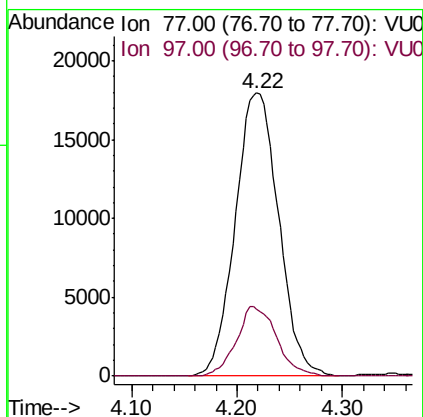
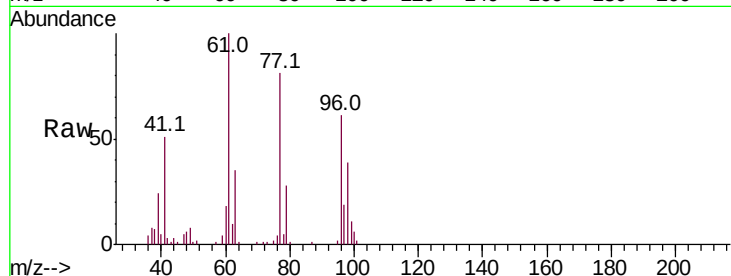
Ion Ratio Lower Upper

77 100

97 22.7 17.6 26.4

Manual Integrations
APPROVED

MMDadoda
4/5/2019 2:38:02 PM



#22

cis-1,2-Dichloroethene

Concen: 1.973 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

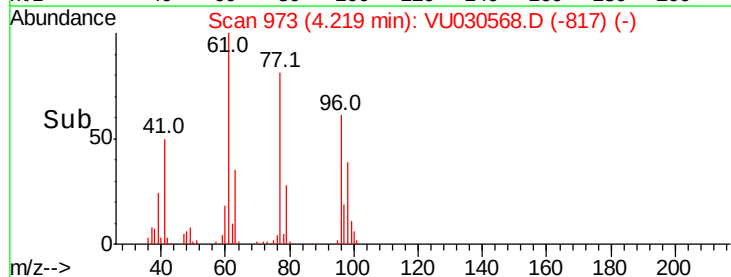
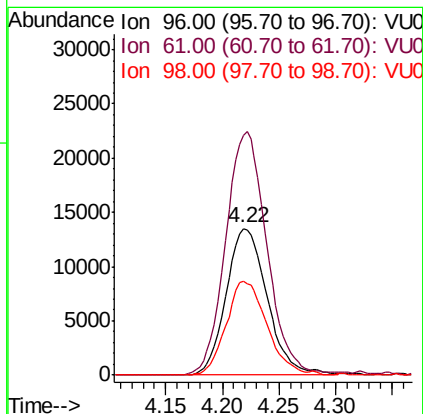
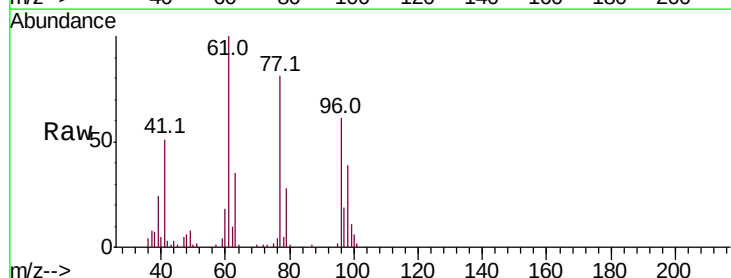
Tgt Ion: 96 Resp: 34194

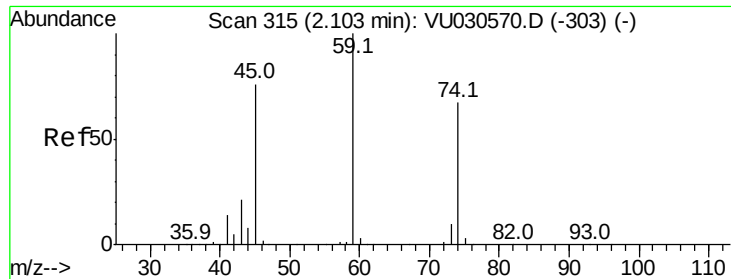
Ion Ratio Lower Upper

96 100

61 166.4 0.0 427.0

98 63.2 32.5 97.4





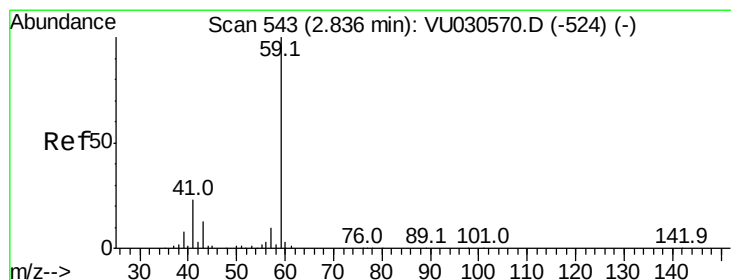
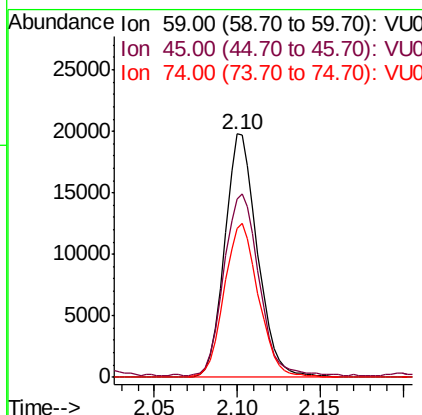
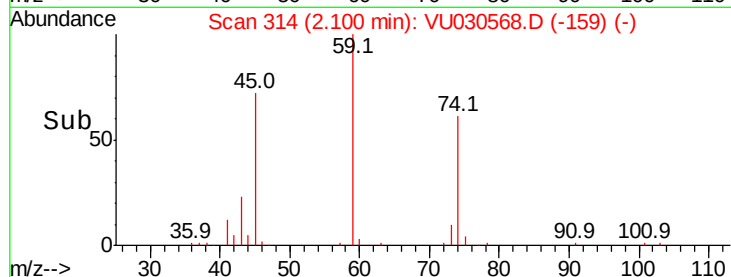
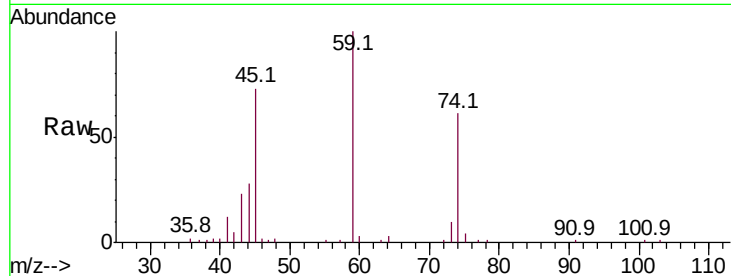
#23
Diethyl Ether
Concen: 2.545 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
45	80.0	61.6	92.4
74	66.4	53.2	79.8

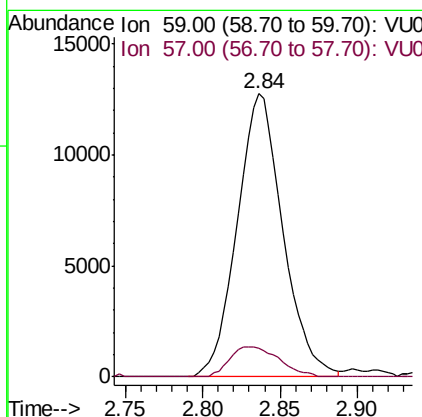
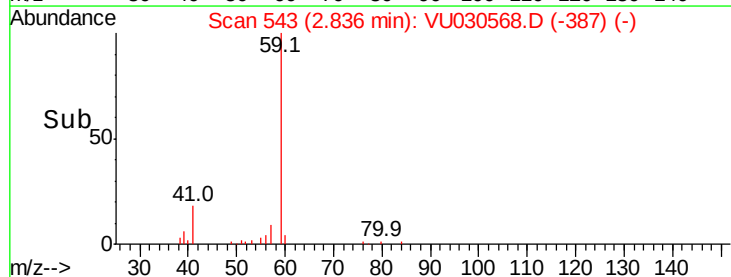
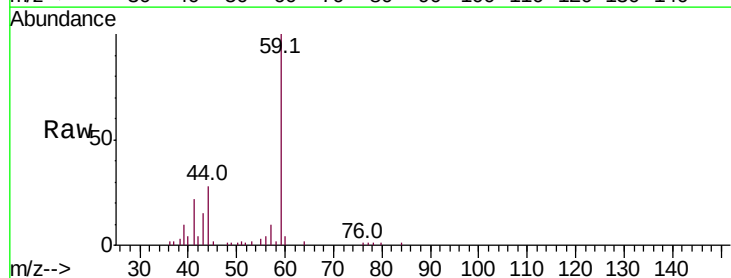
Manual Integrations
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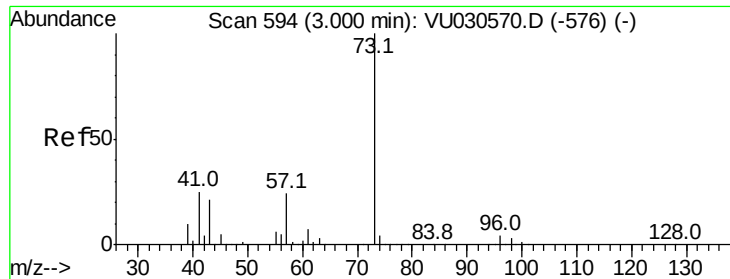
MMDadoda
4/5/2019 2:38:02 PM



#24
tert-Butyl Alcohol
Concen: 23.081 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.4	12.6





#25

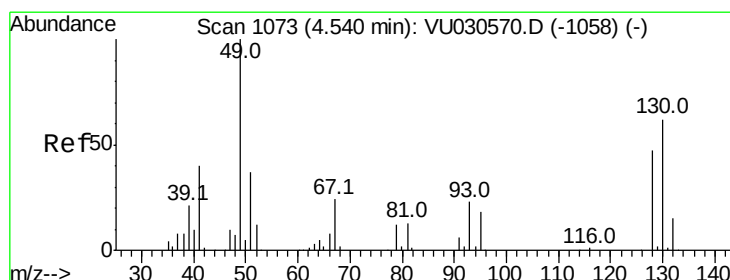
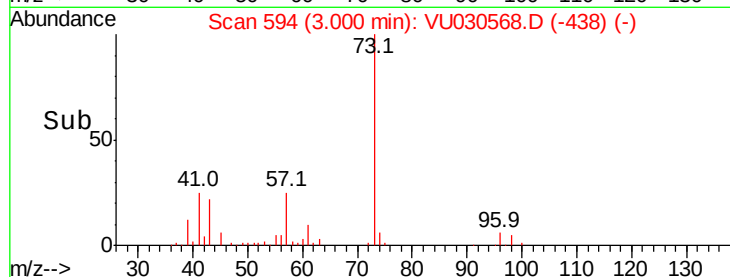
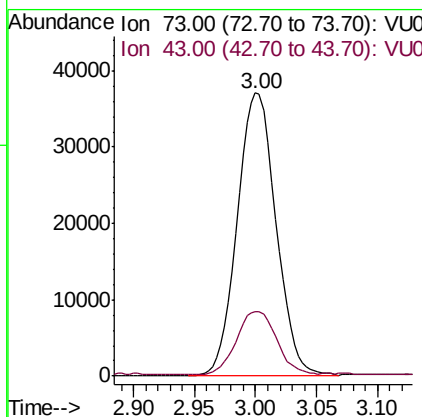
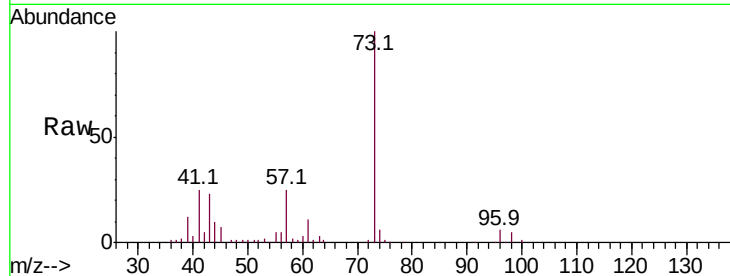
Methyl tert-Butyl Ether
 Concen: 2.310 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	73	Resp	81670
Ion Ratio	100	Lower	Upper
73	100		
43	23.3	16.6	24.8

Manual Integrations
 APPROVED

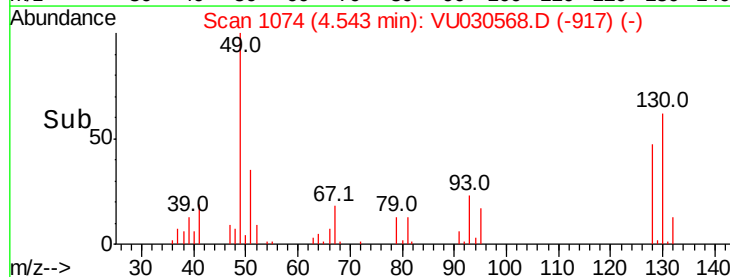
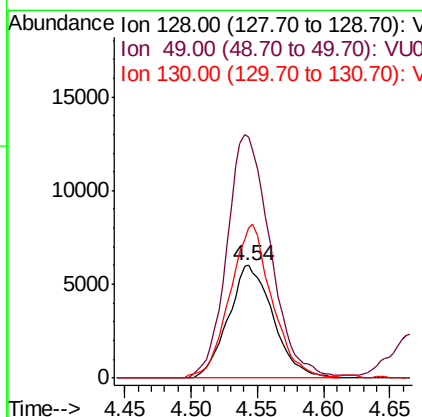
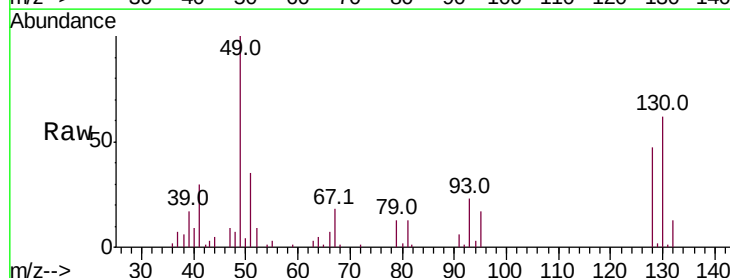
MMDadoda
 4/5/2019 2:38:02 PM

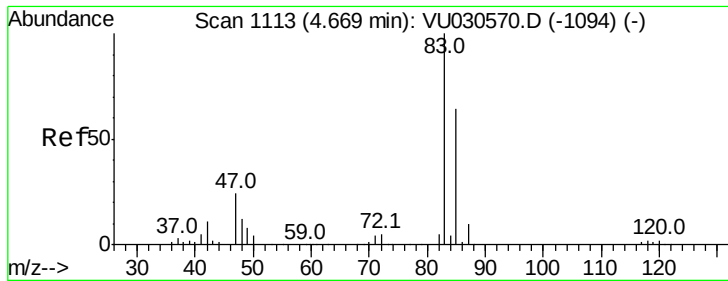


#26

Bromochloromethane
 Concen: 1.890 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion	128	Resp	14087
Ion Ratio	100	Lower	Upper
128	100		
49	210.5	0.0	418.2
130	128.6	103.4	155.0





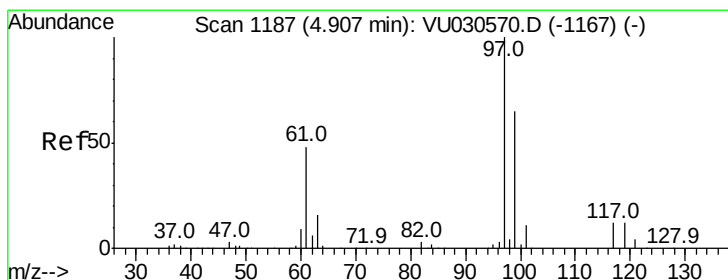
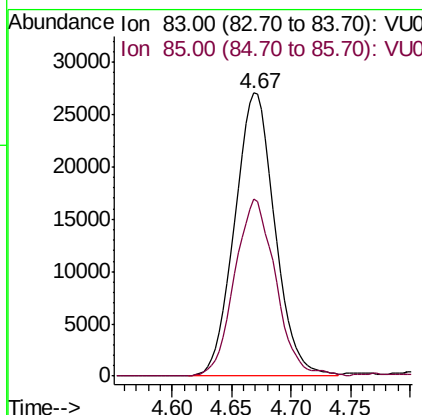
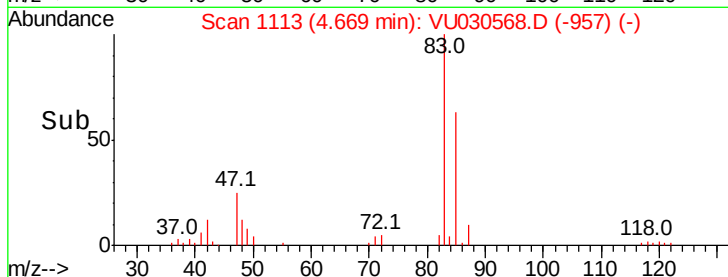
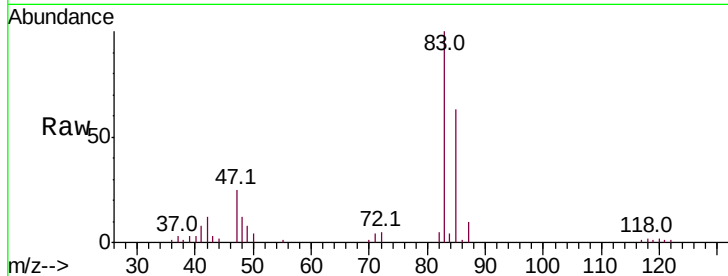
#27
Chloroform
Concen: 2.229 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	83	85	Resp	Ratio	Lower	Upper
83	100					
85	62.8		0.0		128.4	

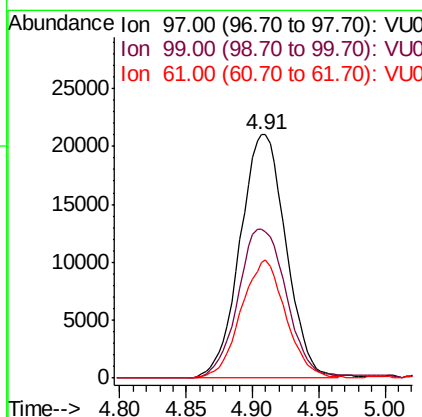
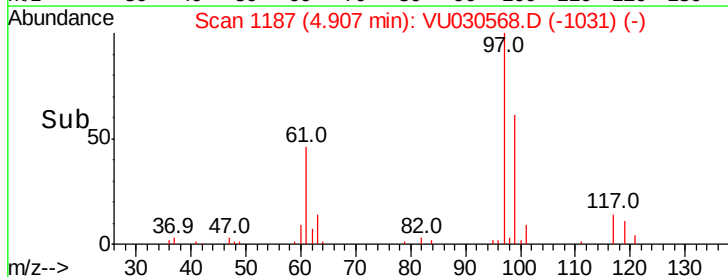
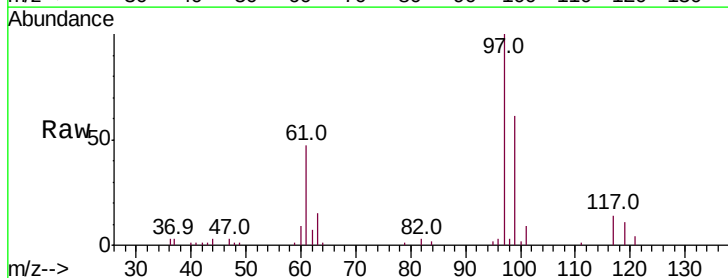
Manual Integrations
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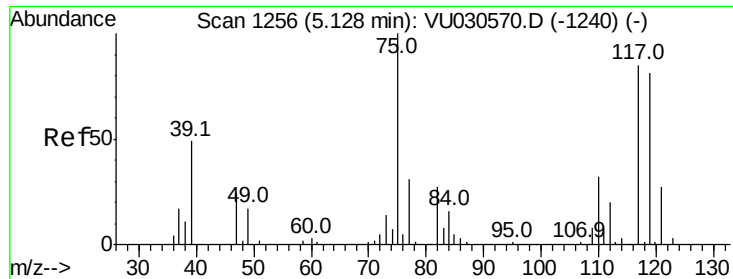
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 2.186 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	97	99	61	Resp	Ratio	Lower	Upper
97	100						
99	64.4			32.0		96.0	
61	47.2			24.0		72.0	





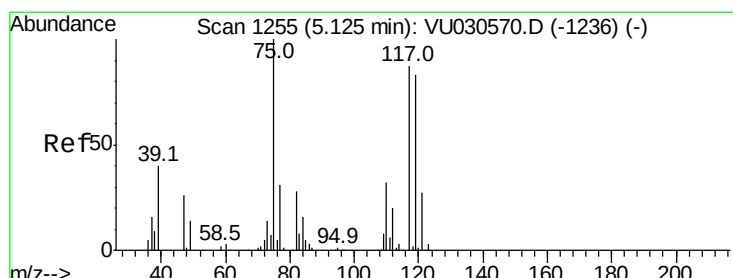
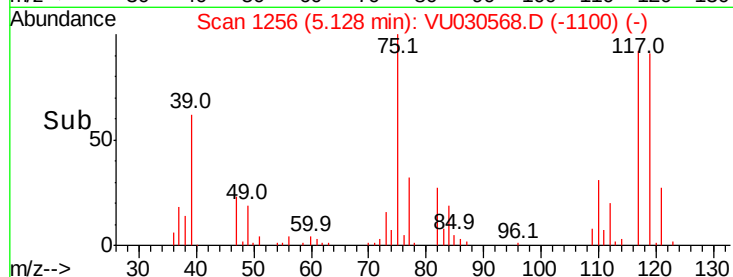
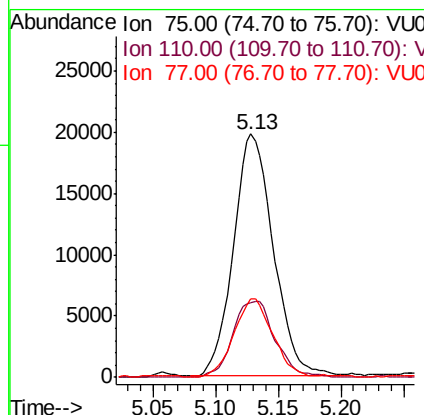
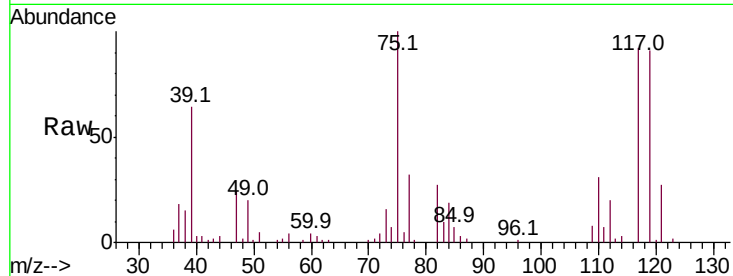
#29
 1,1-Dichloropropene
 Concen: 2.075 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.0	48.0
77	31.5	24.8	37.2

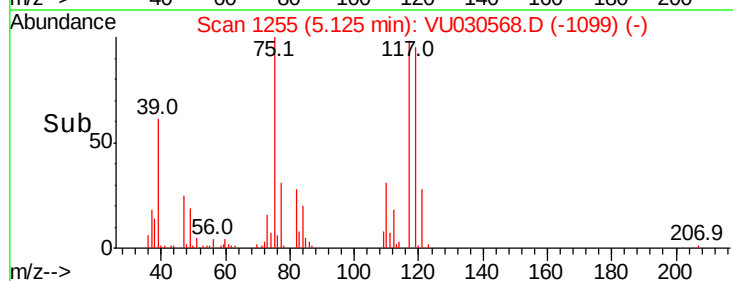
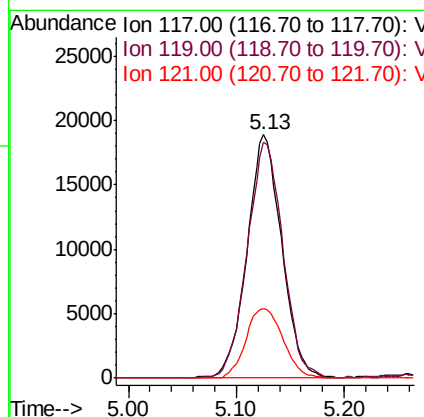
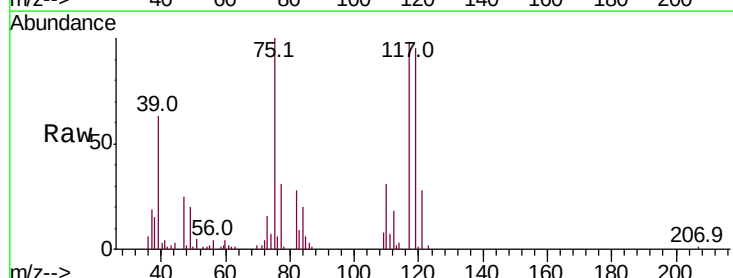
Manual Integrations
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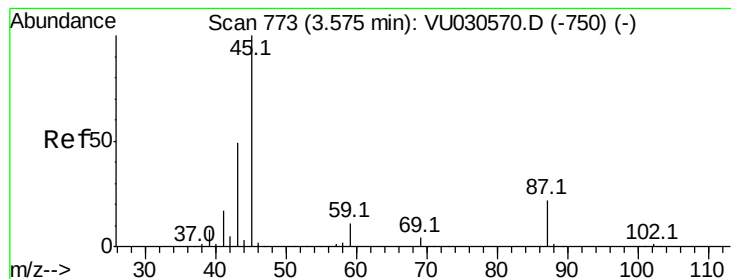
MMDadoda
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#30
 Carbon Tetrachloride
 Concen: 2.047 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.4	114.6
121	28.5	24.7	37.1





#31

Isopropyl Ether

Concen: 2.637 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 105715

Ion Ratio Lower Upper

45 100

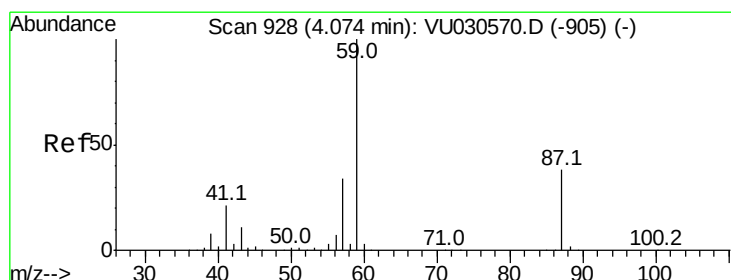
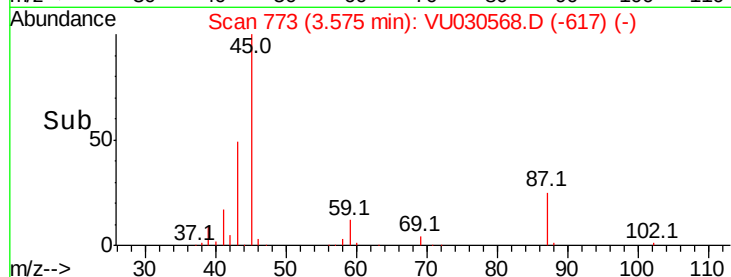
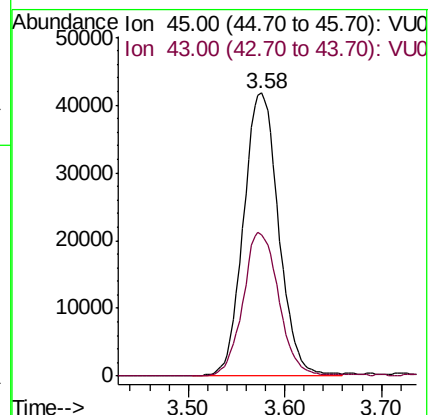
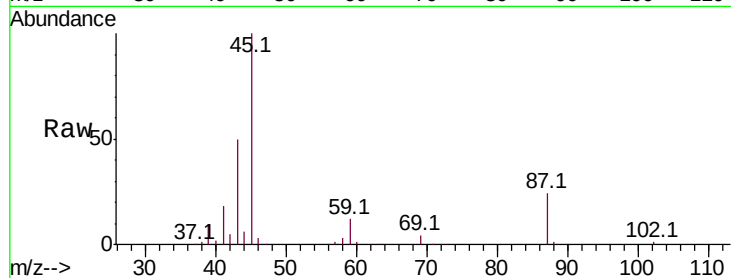
43 51.5 25.0 75.0

Manual Integrations

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4/5/2019 2:38:02 PM



#32

Ethyl-t-butyl ether

Concen: 2.249 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU030568.D

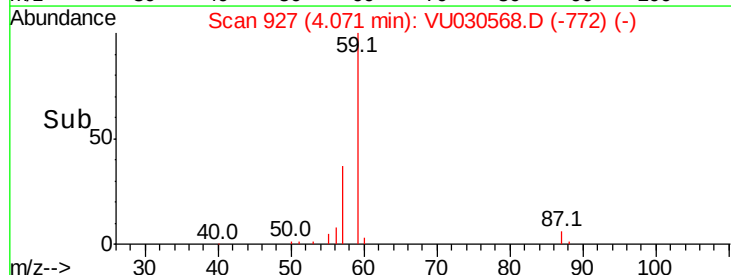
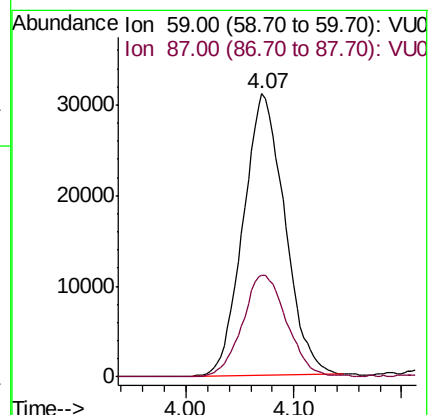
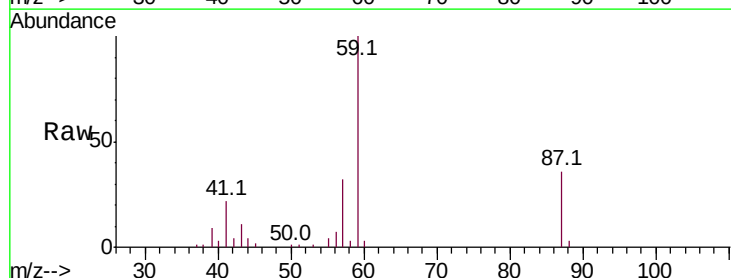
Acq: 30 Mar 2019 10:48

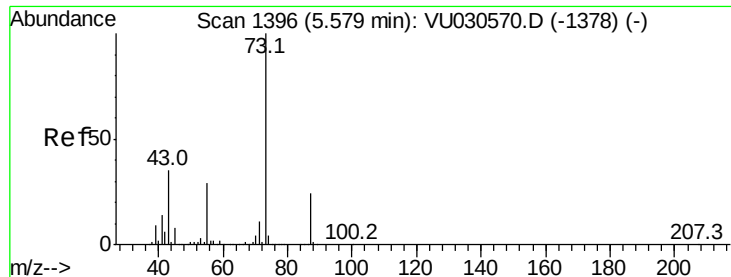
Tgt Ion: 59 Resp: 83468

Ion Ratio Lower Upper

59 100

87 37.7 30.1 45.1





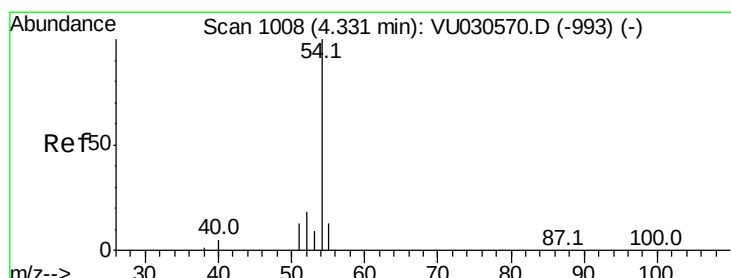
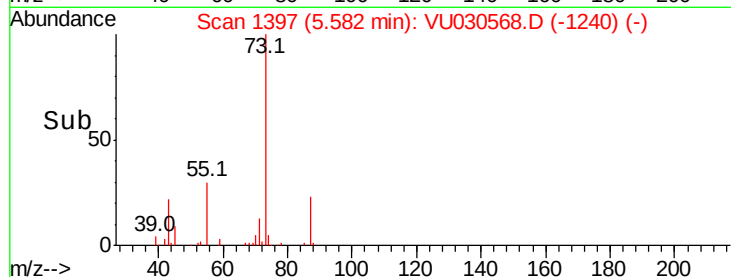
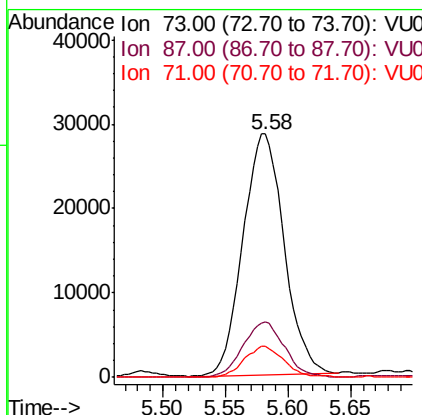
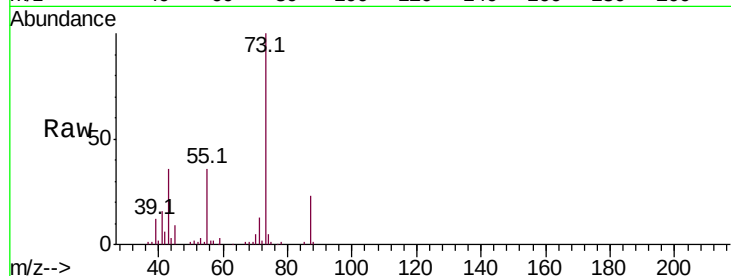
#33
Tert-Butyl methyl ether
Concen: 1.945 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.3	18.6	27.8
71	12.7	9.0	13.4

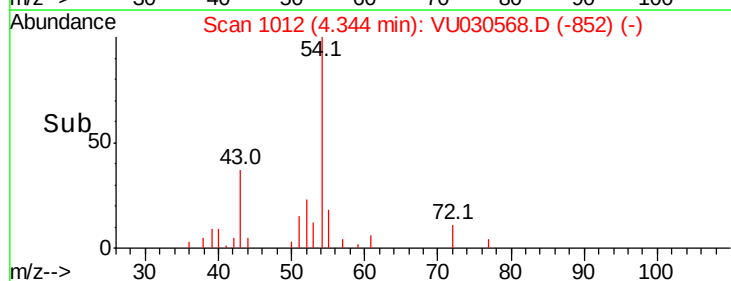
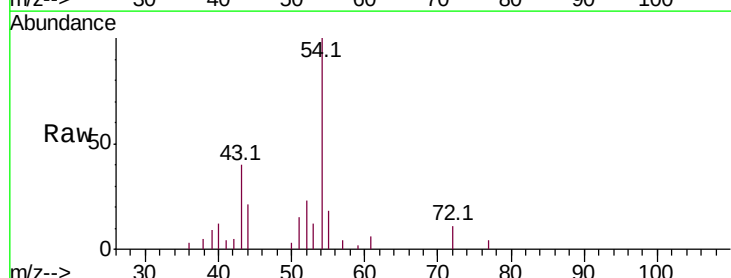
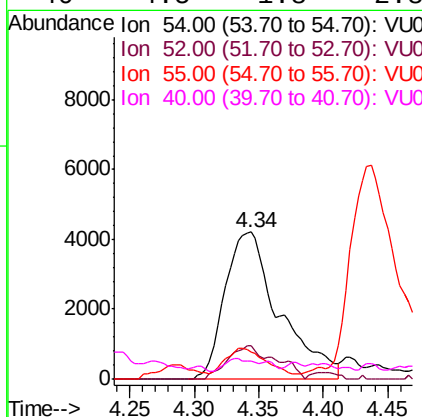
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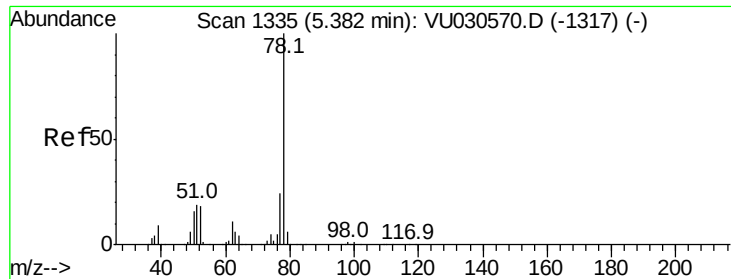
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4/5/2019 2:38:02 PM



#34
Propionitrile
Concen: 11.697 ug/l
RT: 4.34 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.8	14.1	21.1
55	12.2	10.4	15.6
40	4.5	1.8	2.8





#35

Benzene

Concen: 2.190 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 78 Resp: 135661

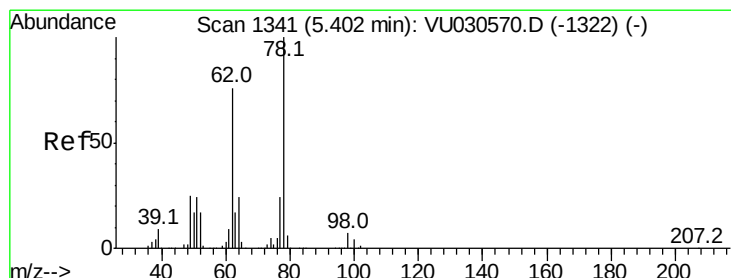
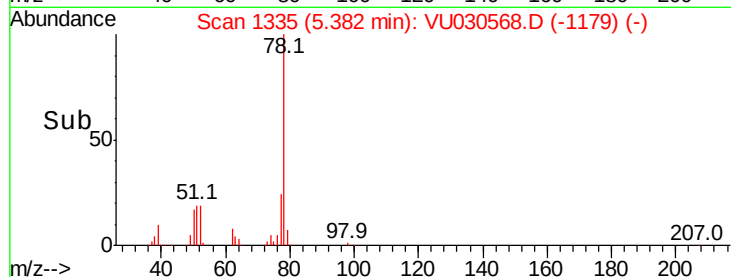
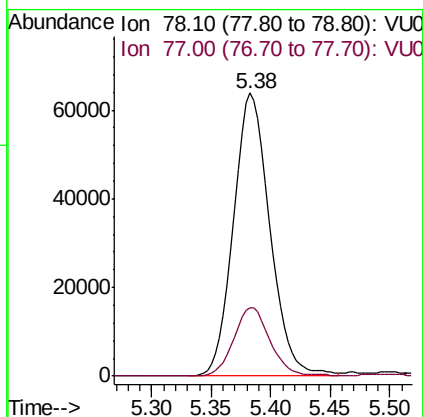
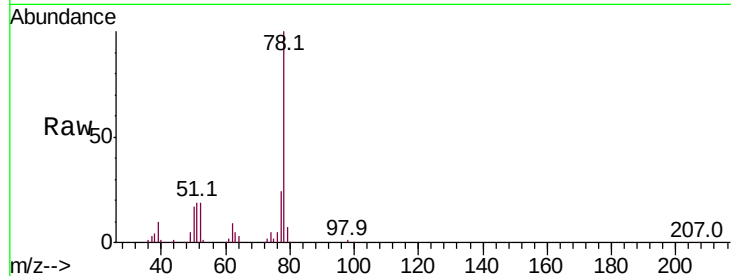
Ion Ratio Lower Upper

78 100

77 24.3 19.5 29.3

Manual Integrations
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4/5/2019 2:38:02 PM



#36

1,2-Dichloroethane

Concen: 2.444 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030568.D

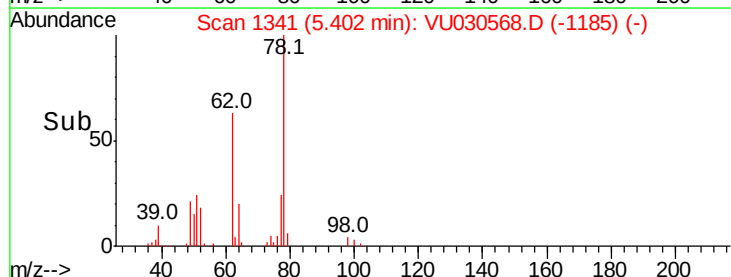
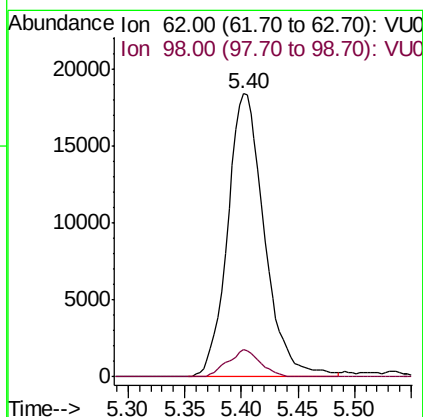
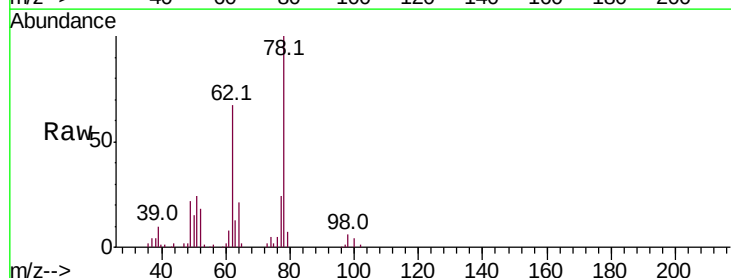
Acq: 30 Mar 2019 10:48

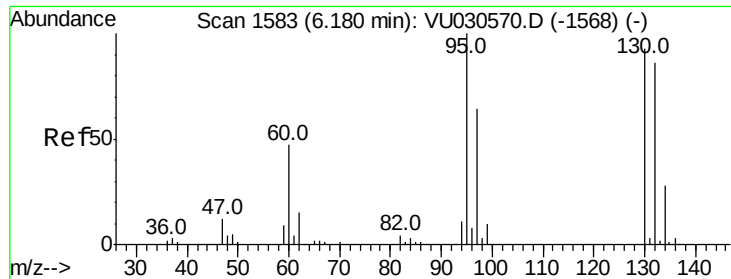
Tgt Ion: 62 Resp: 41602

Ion Ratio Lower Upper

62 100

98 8.4 6.8 10.2





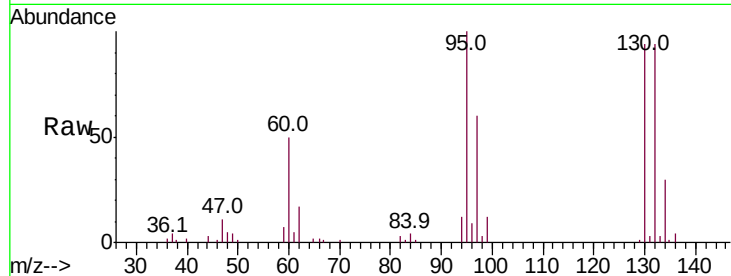
#37
 Trichloroethene
 Concen: 1.855 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

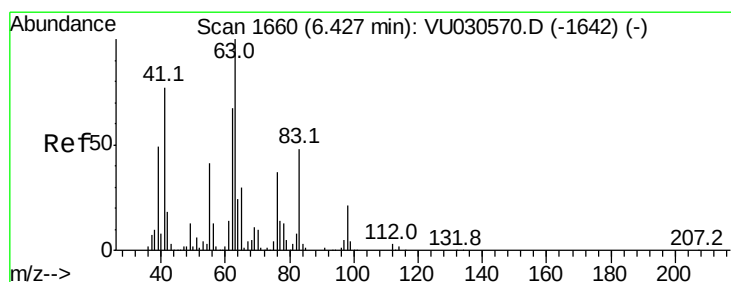
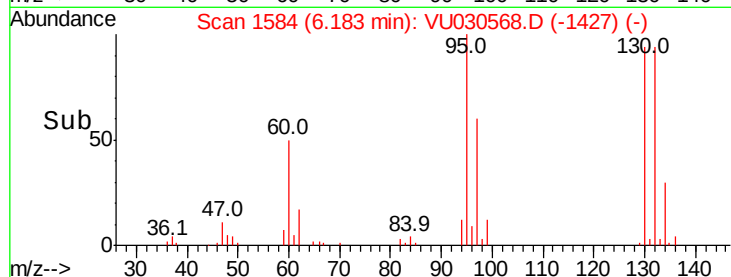
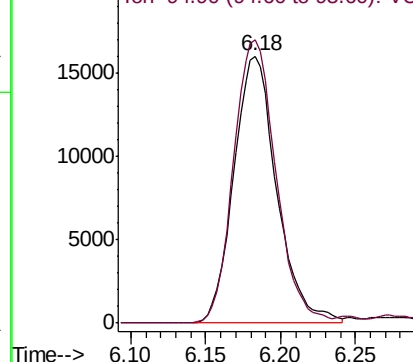
Tot Ion:130 Resp: 32043
 Ion Ratio Lower Upper
 130 100
 95 106.1 85.8 128.8

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 4/5/2019 2:38:02 PM

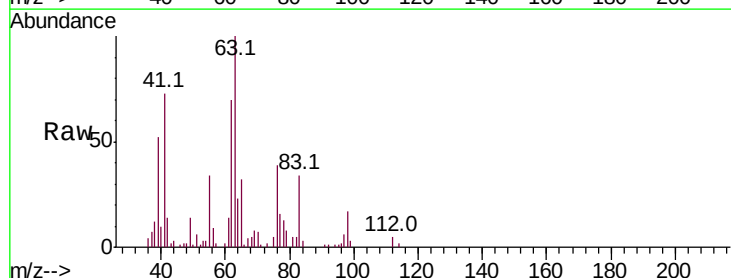


Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)

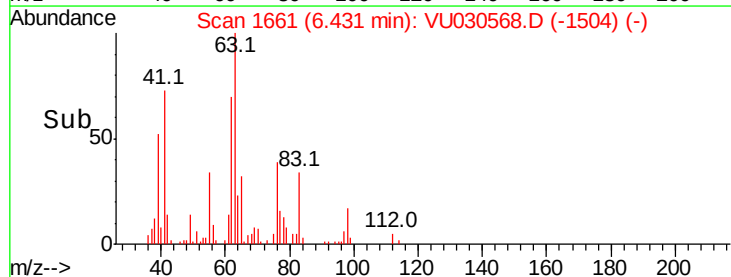
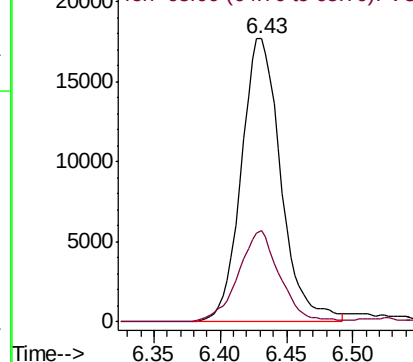


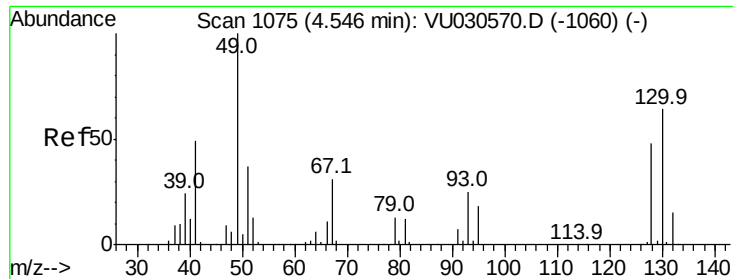
#38
 1,2-Dichloropropane
 Concen: 2.303 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion: 63 Resp: 36873
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU030570.D (-1642) (-)





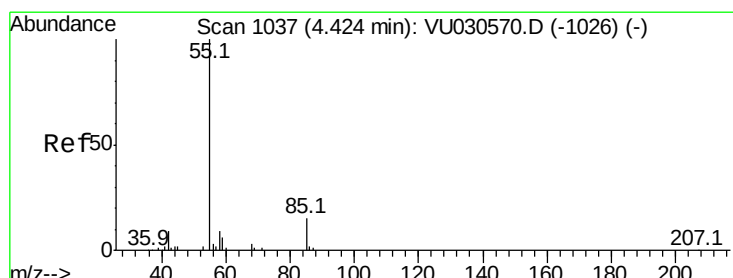
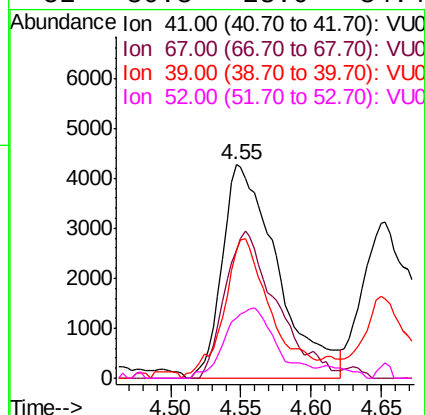
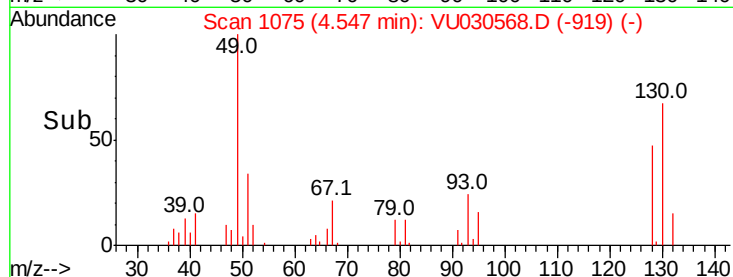
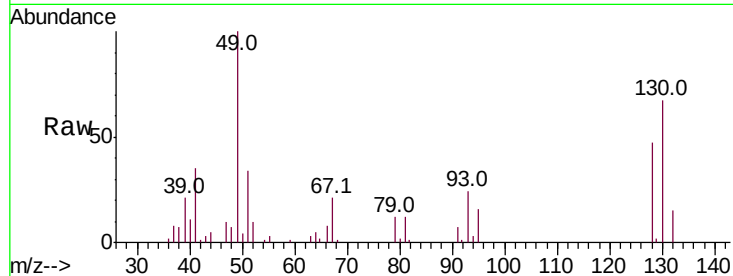
#39
Methacrylonitrile
Concen: 2.496 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	41	Resp	11682
Ion	Ratio	Lower	Upper
41	100		
67	64.2	50.2	75.4
39	55.8	40.7	61.1
52	30.3	23.0	34.4

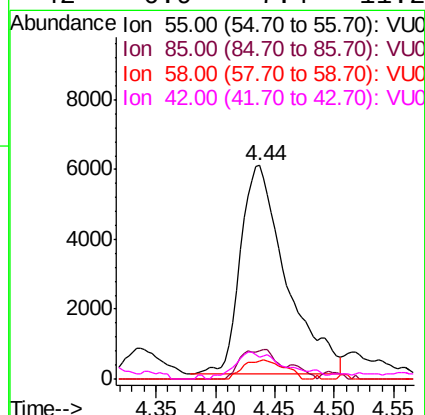
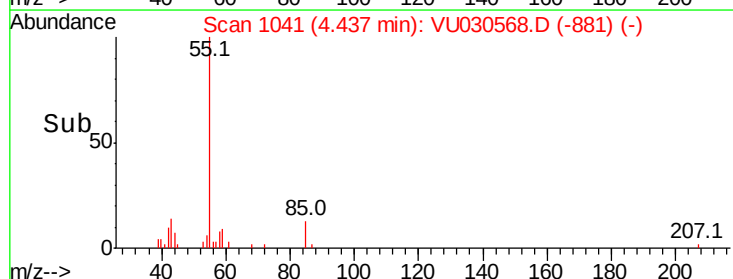
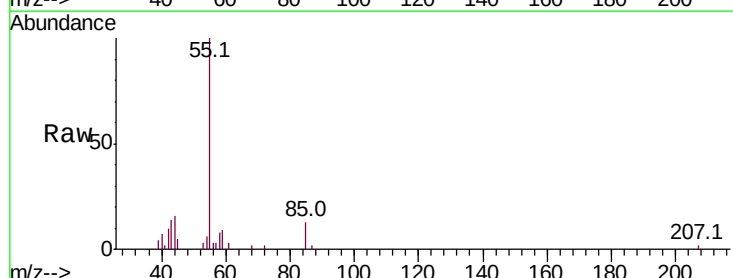
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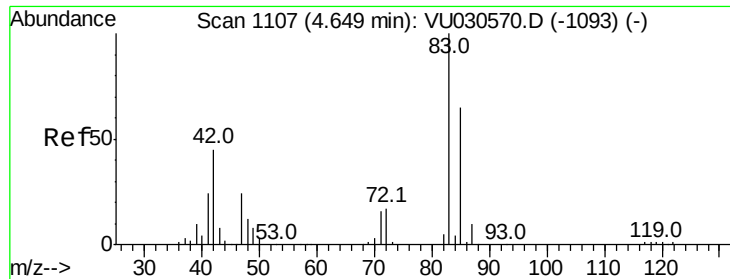
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4/5/2019 2:38:02 PM



#40
Methyl acrylate
Concen: 2.242 ug/l
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	55	Resp	15968
Ion	Ratio	Lower	Upper
55	100		
85	11.2	12.5	18.7#
58	8.0	6.3	9.5
42	6.9	7.4	11.2#





#41

Tetrahydrofuran

Concen: 4.846 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

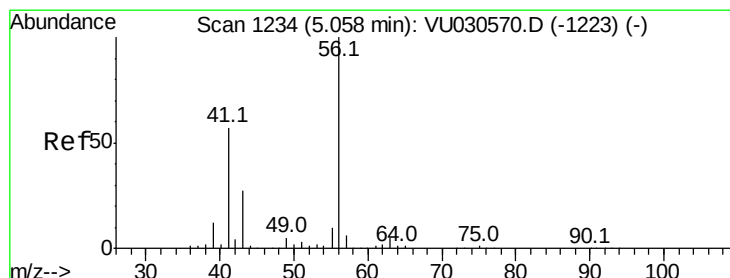
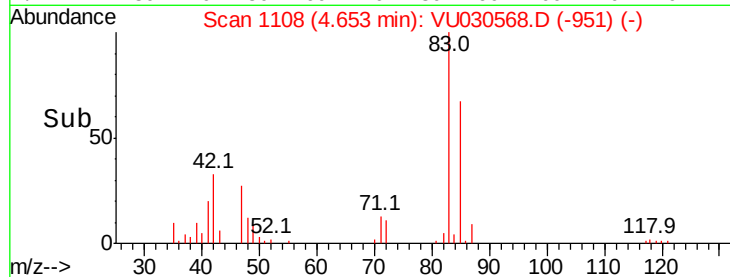
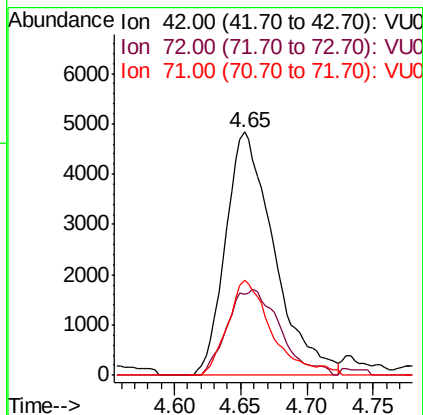
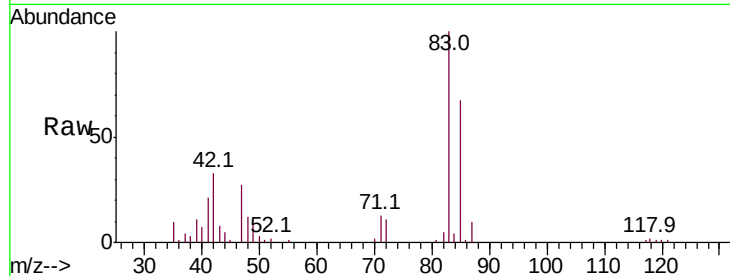
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	12323
Ion	Ratio	Lower	Upper
42	100		
72	38.4	33.4	50.0
71	35.6	28.8	43.2

Manual Integrations
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4/5/2019 2:38:02 PM



#42

1-Chlorobutane

Concen: 2.342 ug/l

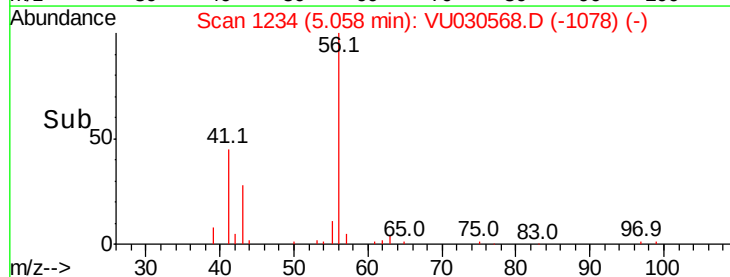
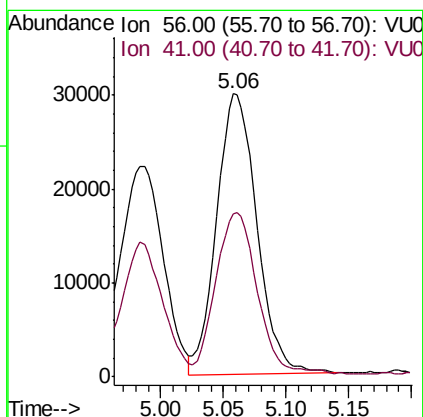
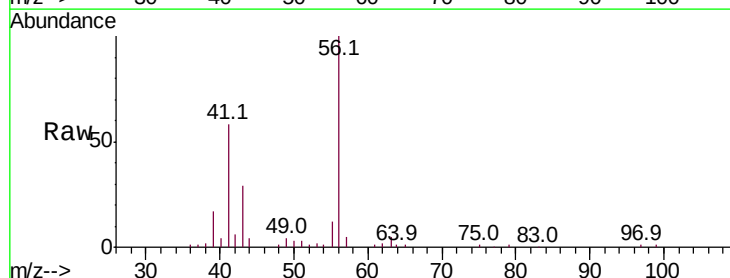
RT: 5.06 min Scan# 1234

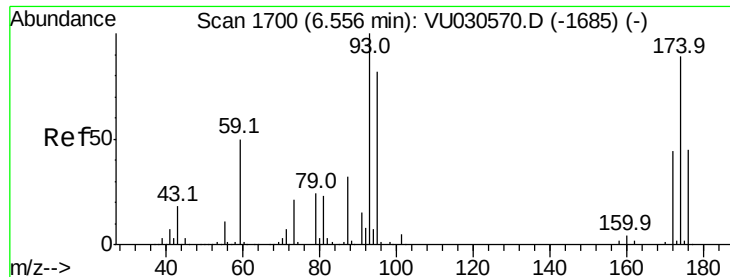
Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Tgt Ion:	56	Resp:	66837
Ion	Ratio	Lower	Upper
56	100		
41	56.5	28.5	85.6





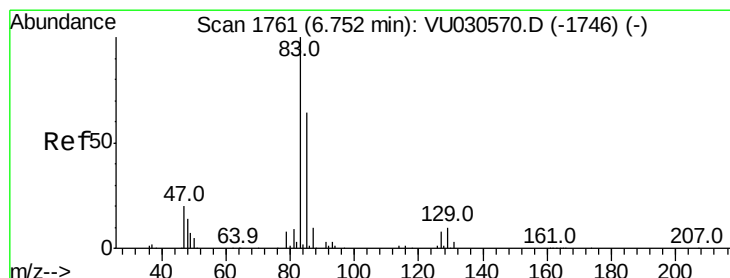
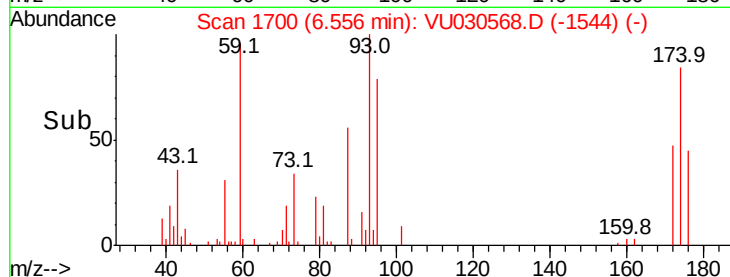
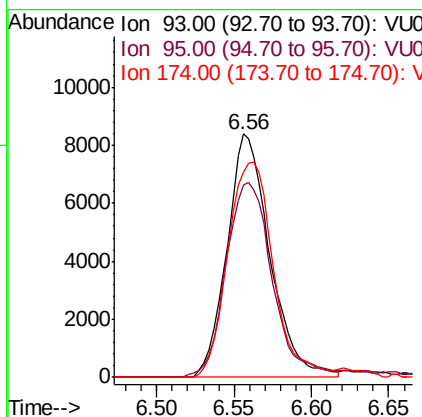
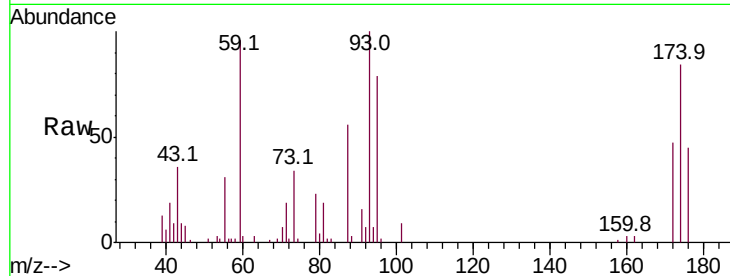
#43
 Dibromomethane
 Concen: 1.984 ug/l
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	93	Ratio	100	Resp	16105
Ion	93	100		Lower	Upper
	95	87.6		63.9	95.9
	174	94.1		71.0	106.4

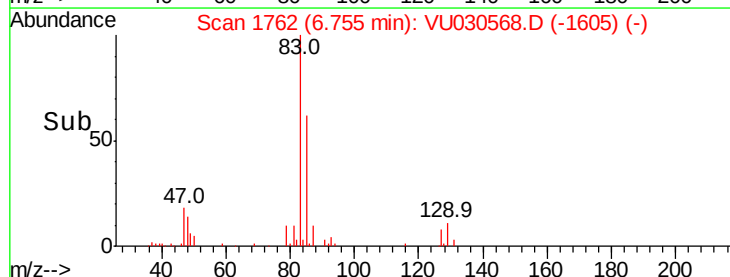
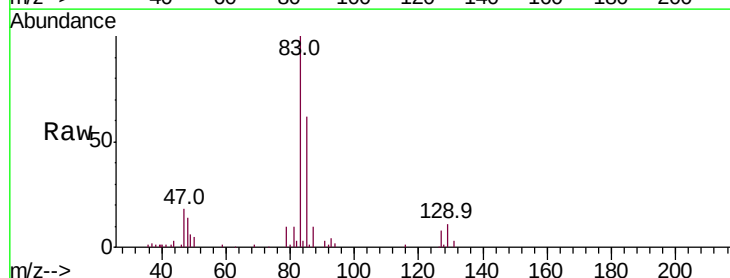
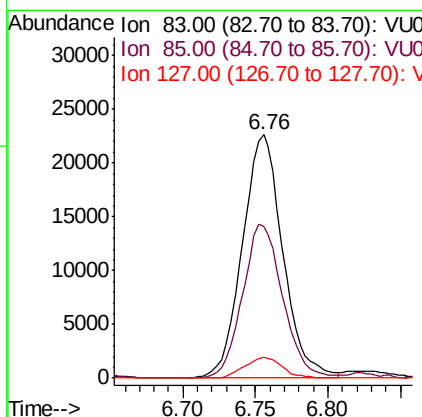
Manual Integrations
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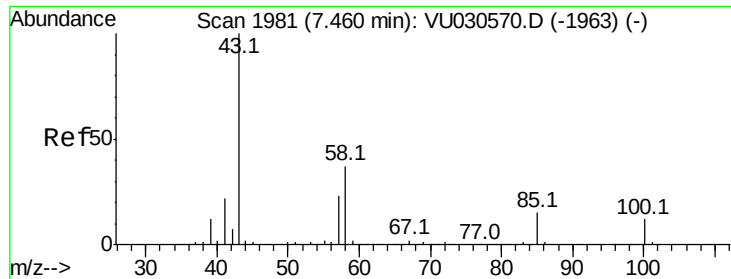
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#44
 Bromodichloromethane
 Concen: 2.244 ug/l
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion	83	Ratio	100	Resp	43980
Ion	83	100		Lower	Upper
	85	62.4		51.1	76.7
	127	8.4		6.1	9.1





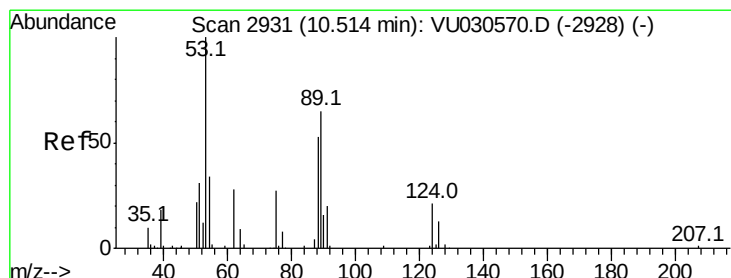
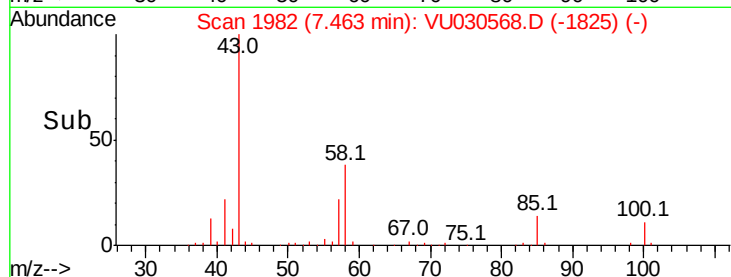
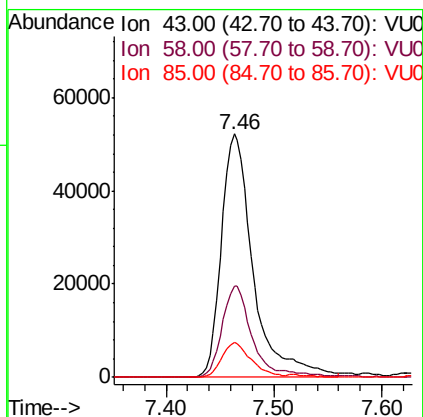
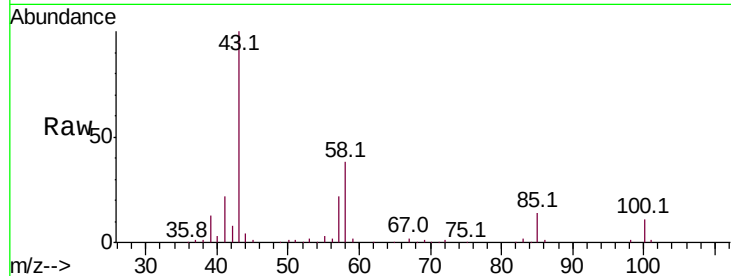
#45
4-Methyl-2-Pentanone
Concen: 12.577 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.6	18.6	55.8
85	13.1	11.8	17.6

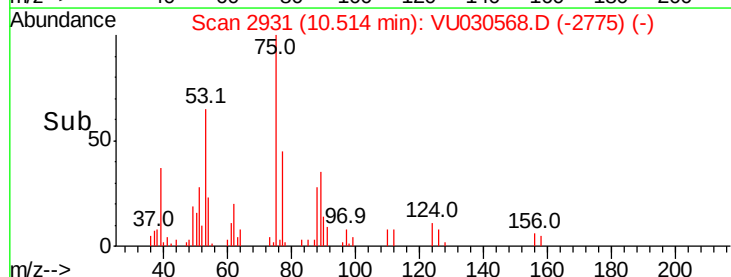
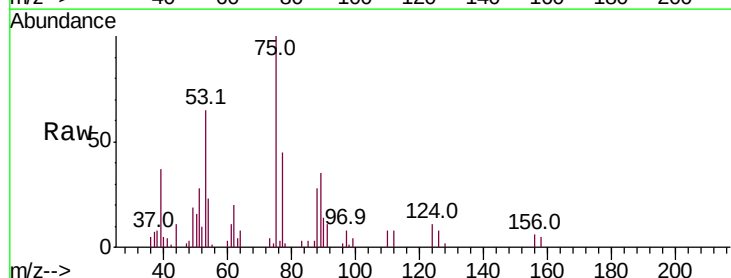
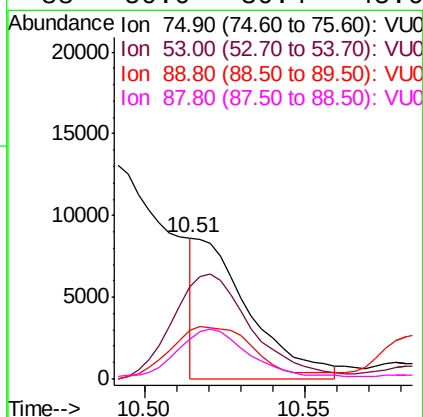
Manual Integrations
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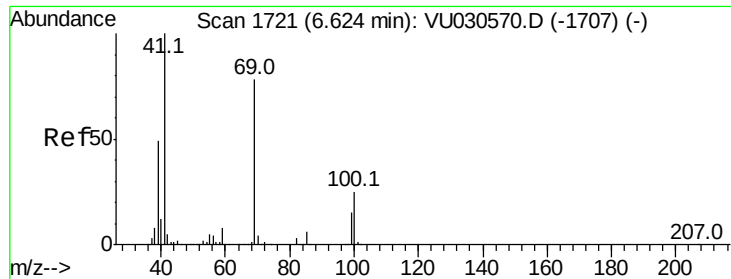
MMDadoda
4/5/2019 2:38:02 PM



#46
t-1,4-Dichloro-2-butene
Concen: 3.207 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
53	110.9	63.4	95.2#
89	57.7	39.1	58.7
88	50.0	30.4	45.6#





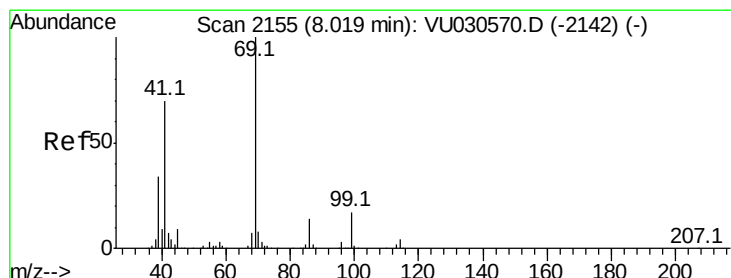
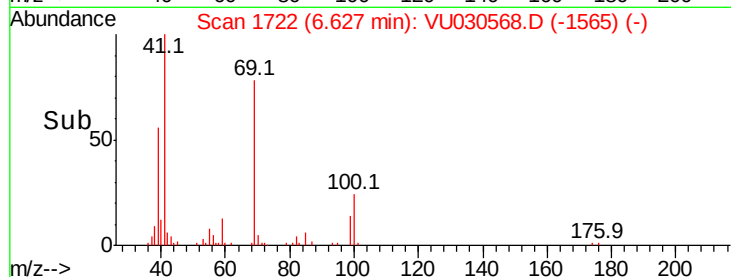
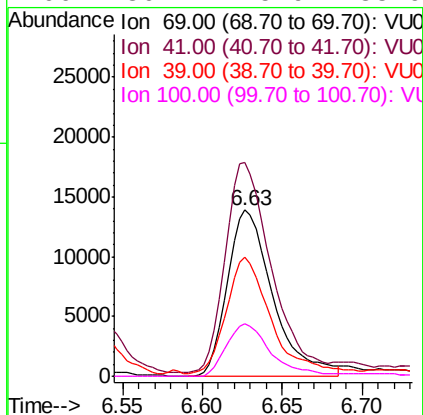
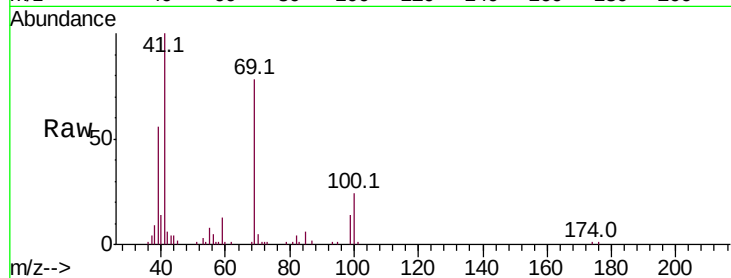
#47
Methvl methacrylate
Concen: 3.930 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	127.2	0.0	258.0
39	68.3	51.0	76.4
100	30.7	25.9	38.9

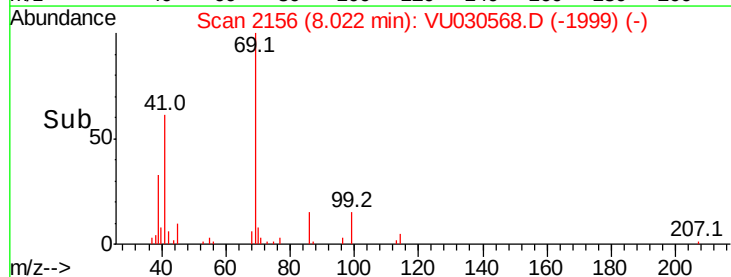
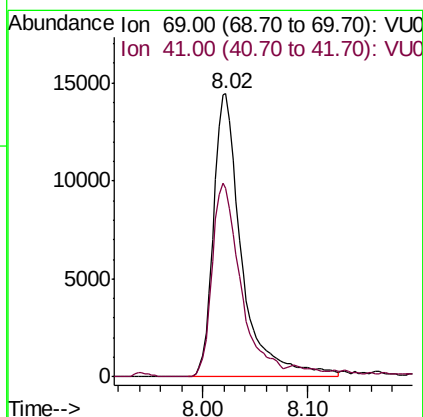
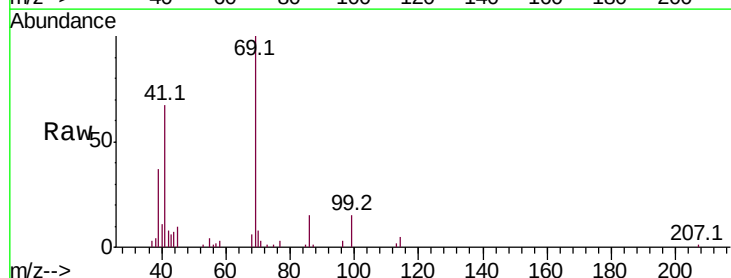
Manual Integrations
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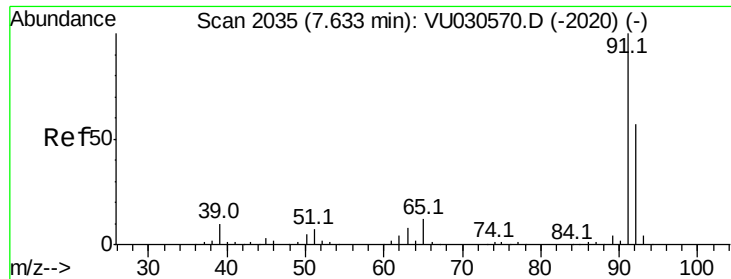
MMDadoda
4/5/2019 2:38:02 PM



#48
Ethyl methacrylate
Concen: 2.090 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.1	36.1	108.5





#49

Toluene

Concen: 2.003 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 92 Resp: 73697

Ion Ratio Lower Upper

92 100

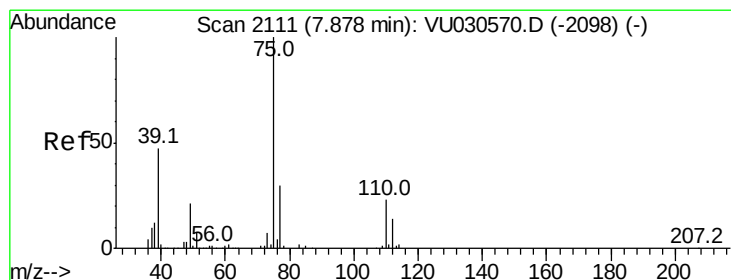
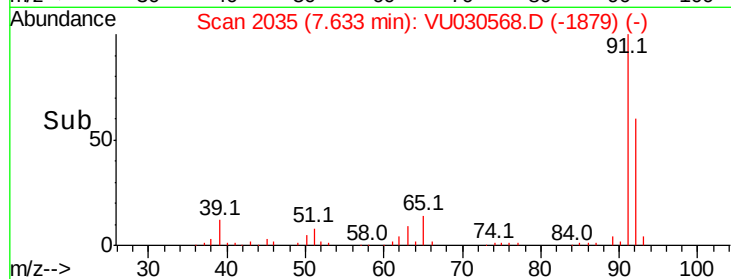
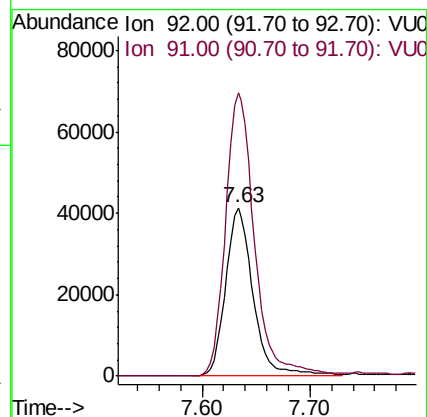
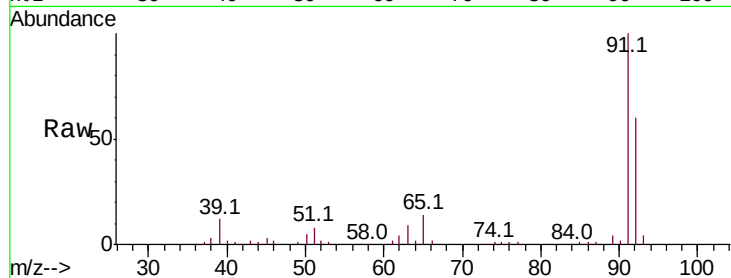
91 175.7 140.2 210.4

Manual Integrations

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4/5/2019 2:38:02 PM



#50

t-1,3-Dichloropropene

Concen: 1.997 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU030568.D

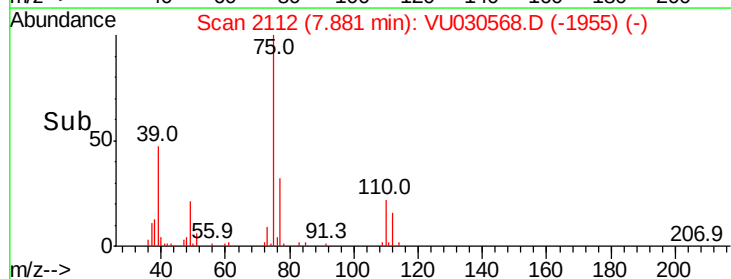
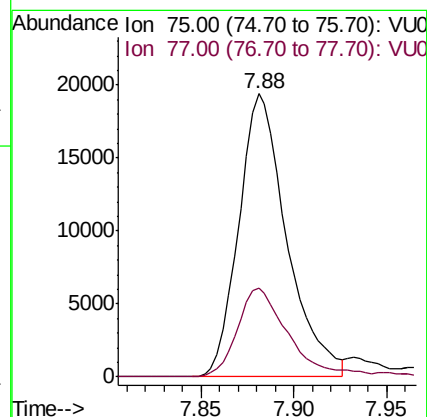
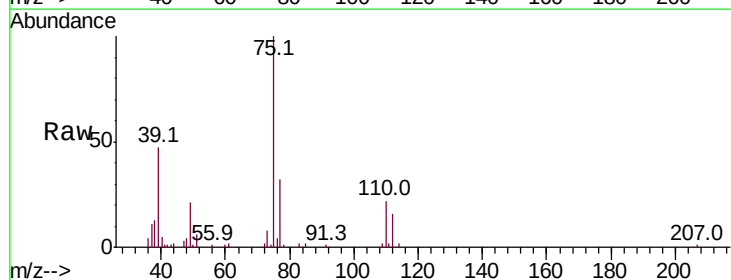
Acq: 30 Mar 2019 10:48

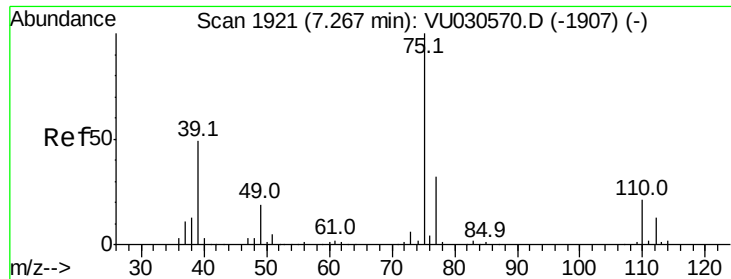
Tgt Ion: 75 Resp: 34877

Ion Ratio Lower Upper

75 100

77 31.6 24.4 36.6





#51

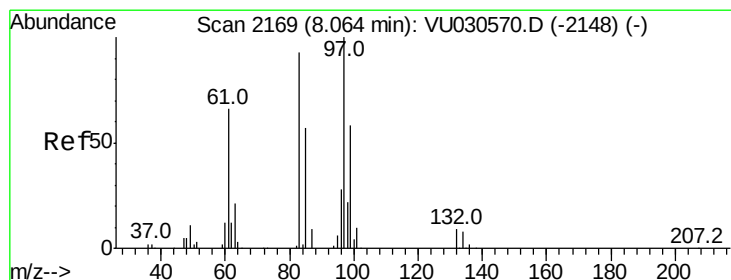
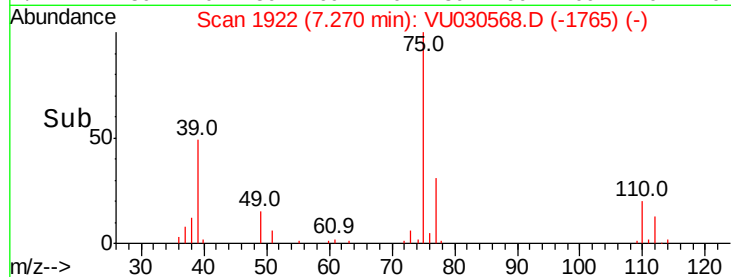
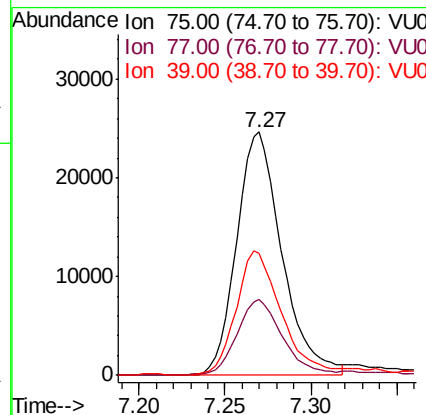
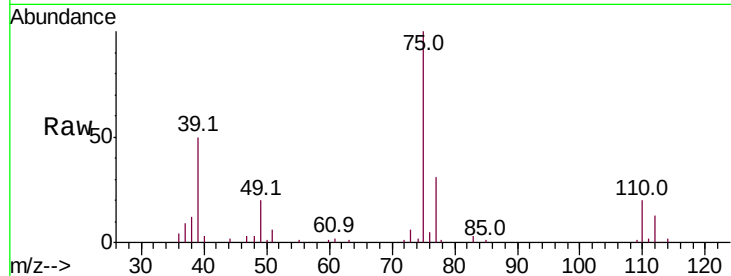
cis-1,3-Dichloropropene
 Concen: 2.072 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.6
39	50.2	39.3	58.9

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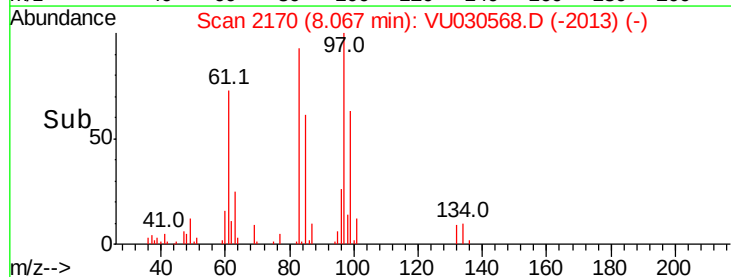
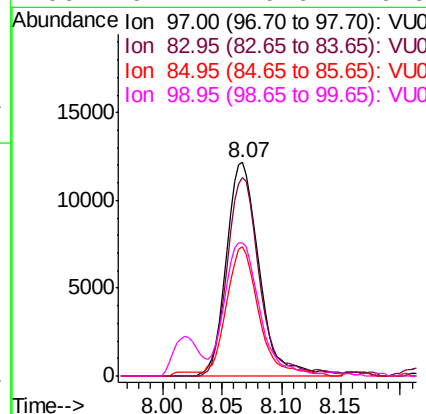
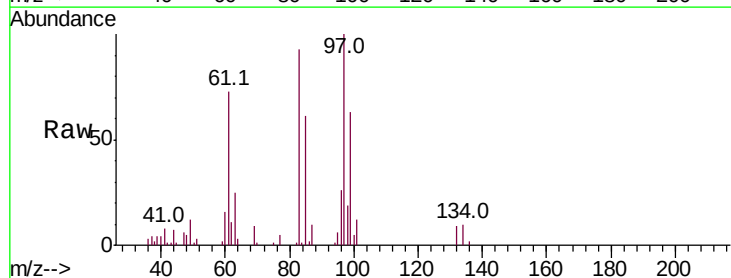
MMDadoda
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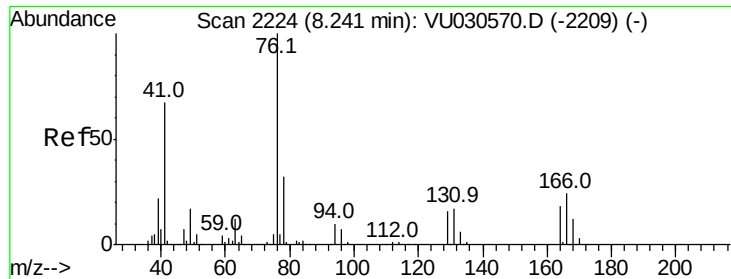


#52

1,1,2-Trichloroethane
 Concen: 2.056 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.1	74.3	111.5
85	59.9	45.4	68.0
99	61.7	46.6	70.0





#53

1,3-Dichloropropane

Concen: 2.182 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 76 Resp: 42115

Ion Ratio Lower Upper

76 100

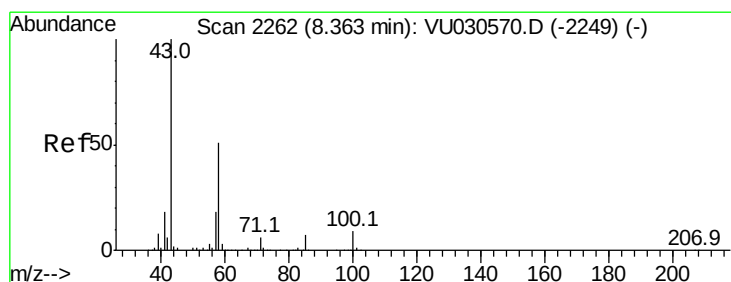
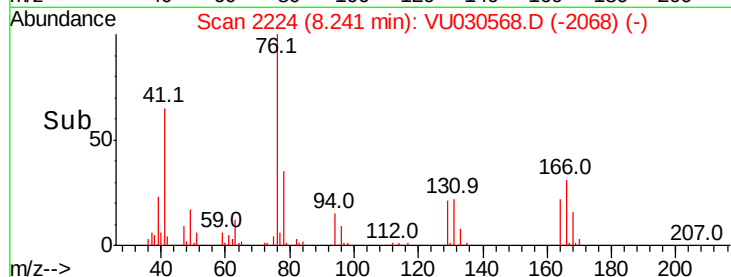
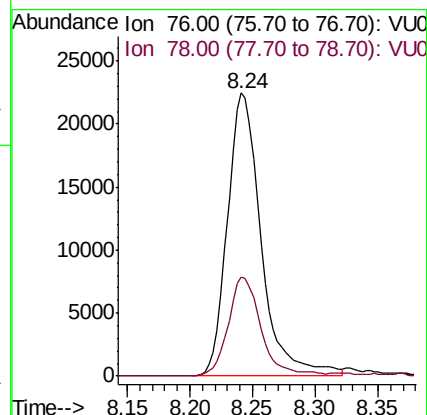
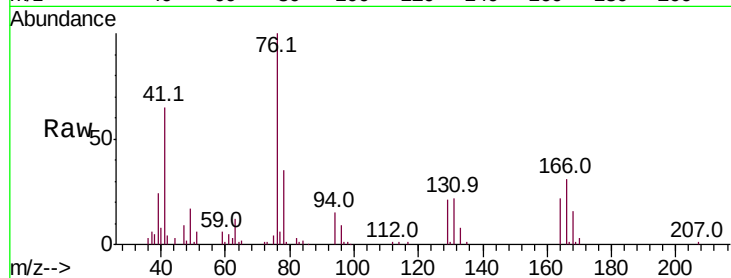
78 33.1 25.3 37.9

Manual Integrations

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4/5/2019 2:38:02 PM



#54

2-Hexanone

Concen: 12.051 ug/l

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

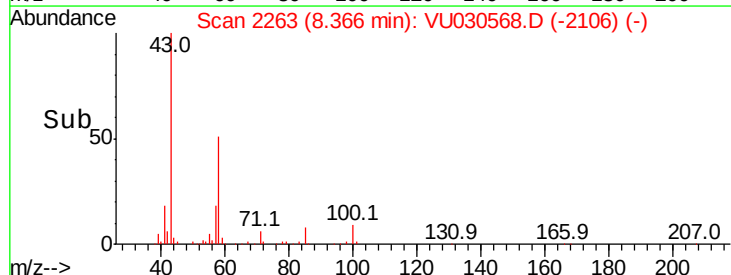
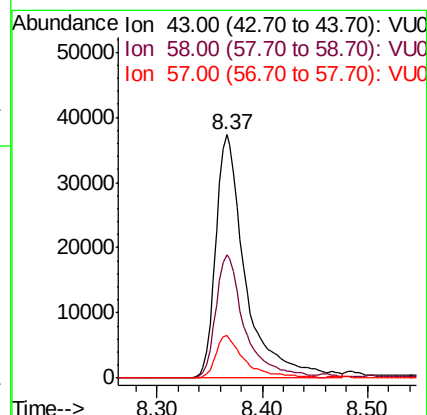
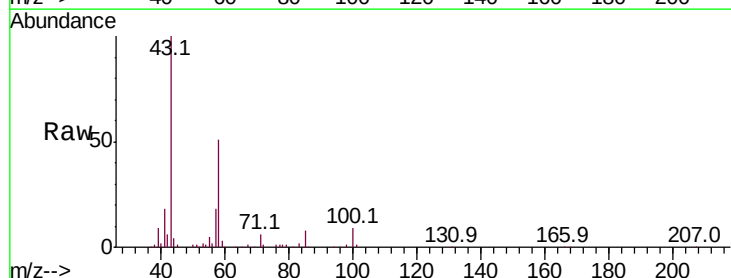
Tgt Ion: 43 Resp: 73497

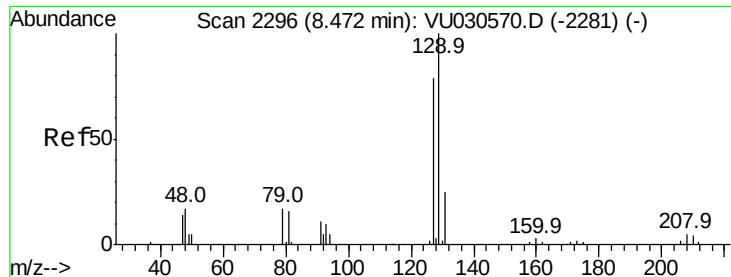
Ion Ratio Lower Upper

43 100

58 49.2 32.5 72.5

57 17.0 0.0 37.6





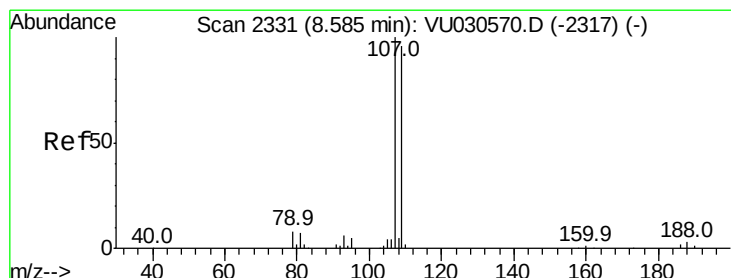
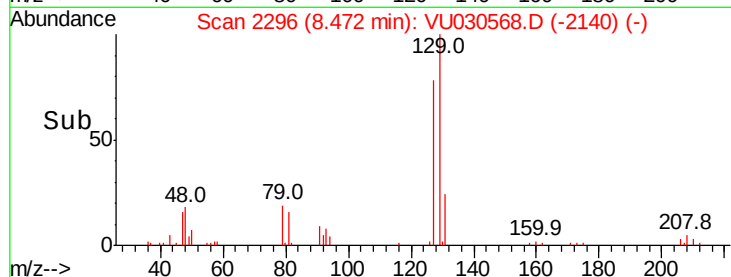
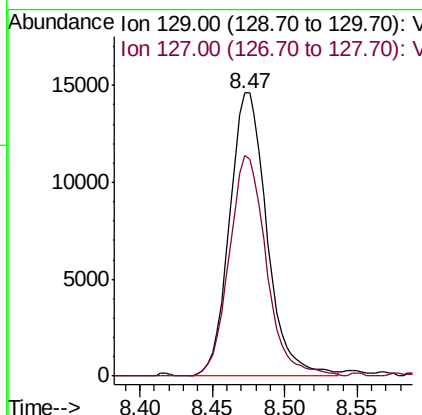
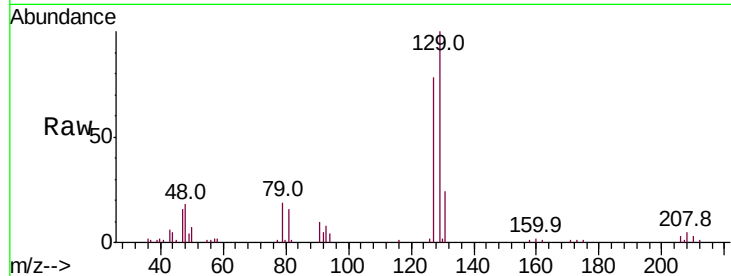
#55
Dibromochloromethane
Concen: 1.940 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.4	62.2	93.4

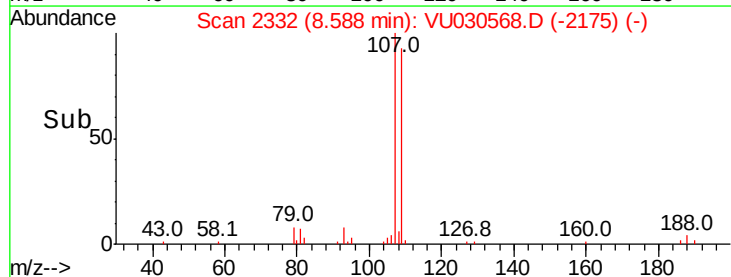
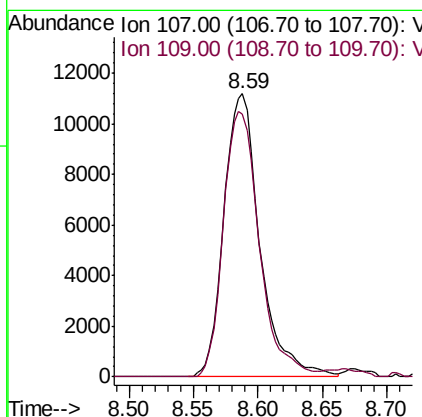
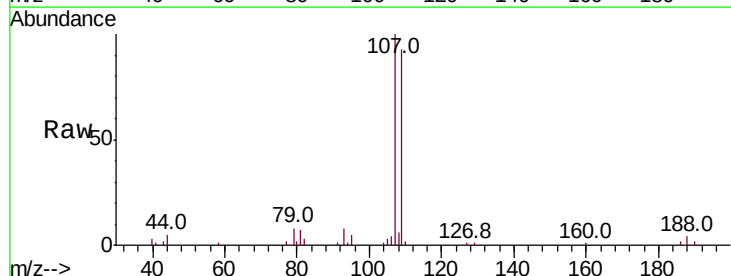
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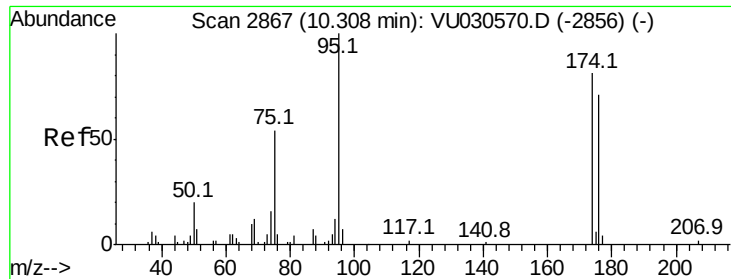
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4/5/2019 2:38:02 PM



#56
1,2-Dibromoethane
Concen: 2.006 ug/l
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	0.0	190.0





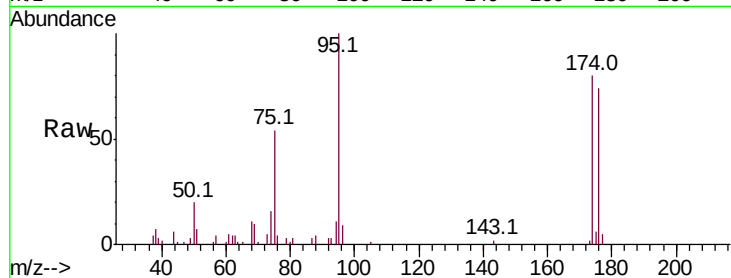
#57
4-Bromofluorobenzene
Concen: 2.006 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
95	100		
174	78.3	60.5	90.7
176	73.2	57.9	86.9

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4/5/2019 2:38:02 PM

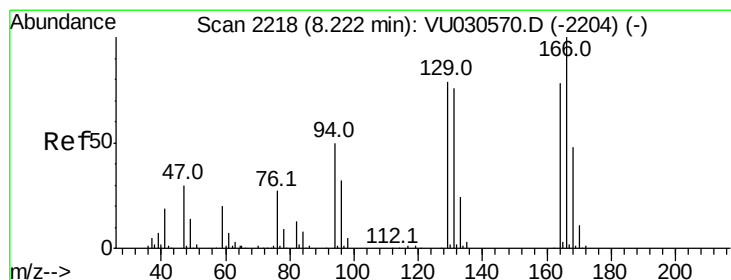
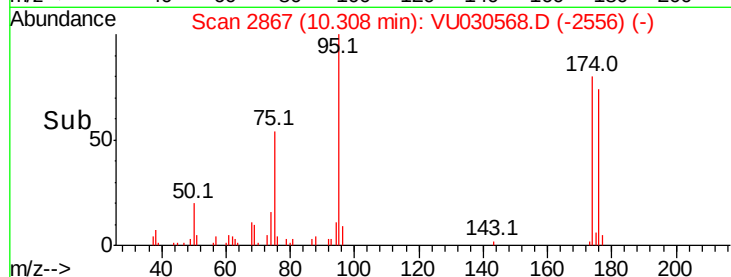
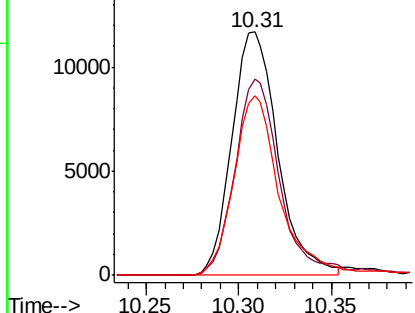


Abundance

Ion 95.00 (94.70 to 95.70): VU030570.D (-2856) (-)

Ion 174.00 (173.70 to 174.70): VU030570.D (-2856) (-)

Ion 176.00 (175.70 to 176.70): VU030570.D (-2856) (-)



#58
Tetrachloroethene
Concen: 1.879 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	102.4	153.6
129	103.5	81.4	122.0
131	96.1	77.7	116.5

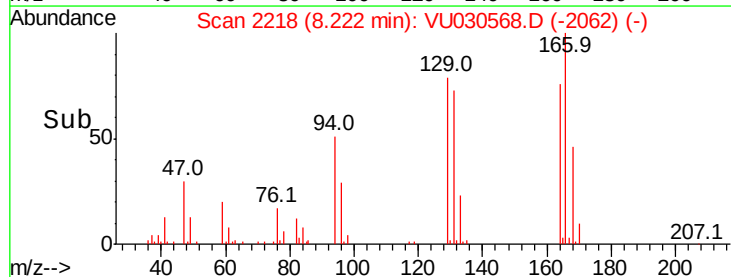
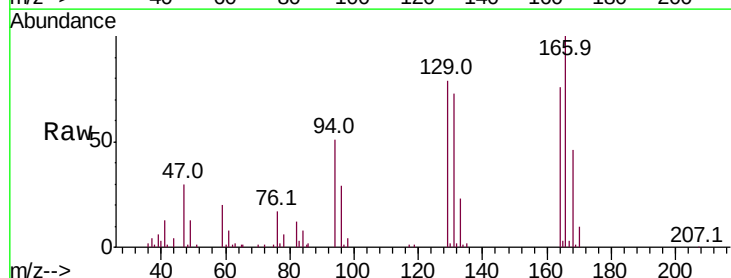
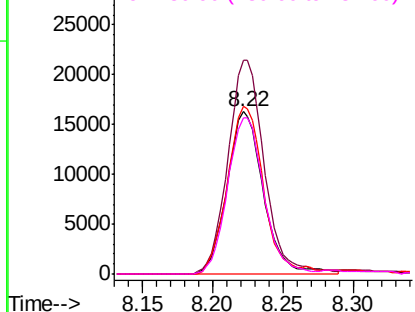
Abundance

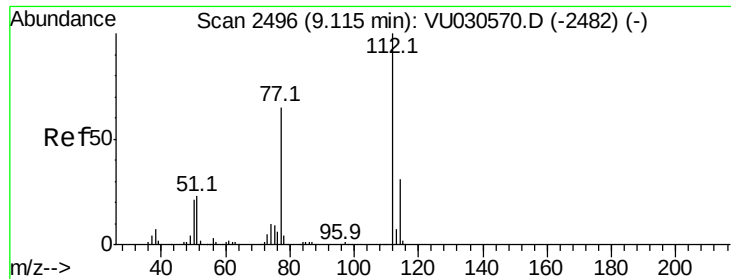
Ion 163.85 (163.55 to 164.55): VU030570.D (-2204) (-)

Ion 165.80 (165.50 to 166.50): VU030570.D (-2204) (-)

Ion 128.90 (128.60 to 129.60): VU030570.D (-2204) (-)

Ion 130.90 (130.60 to 131.60): VU030570.D (-2204) (-)





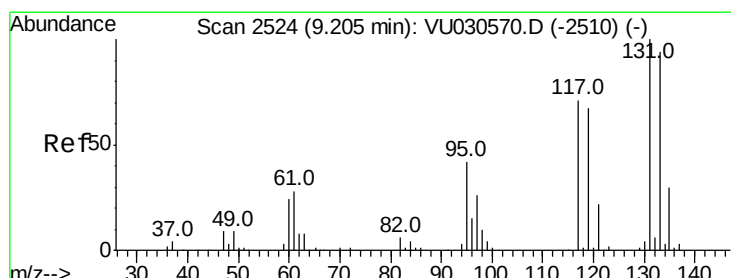
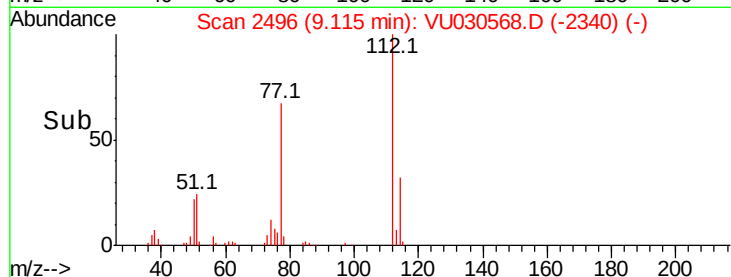
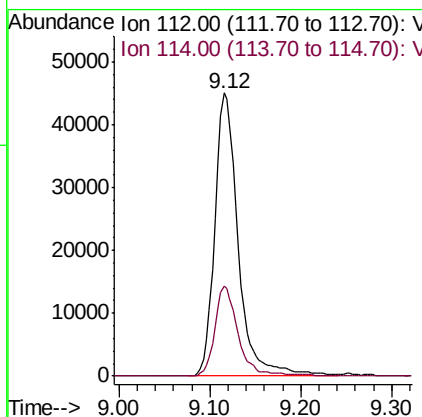
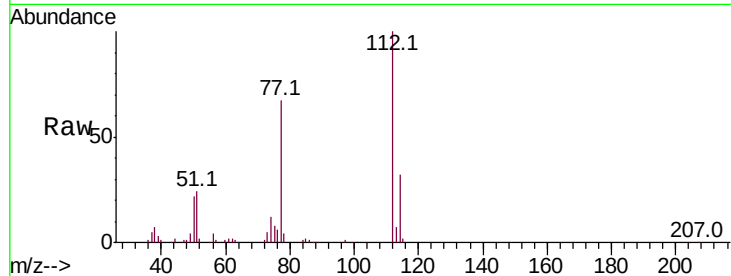
#59
Chlorobenzene
Concen: 1.942 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:112 Resp: 80945
Ion Ratio Lower Upper
112 100
114 31.9 24.9 37.3

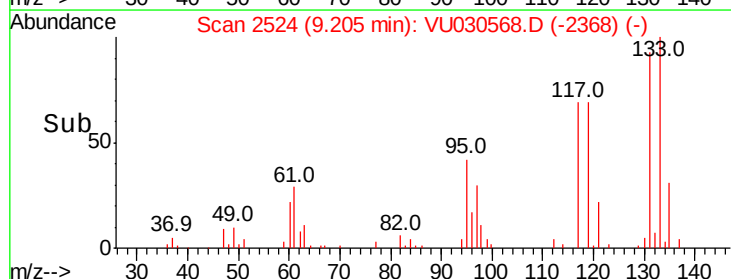
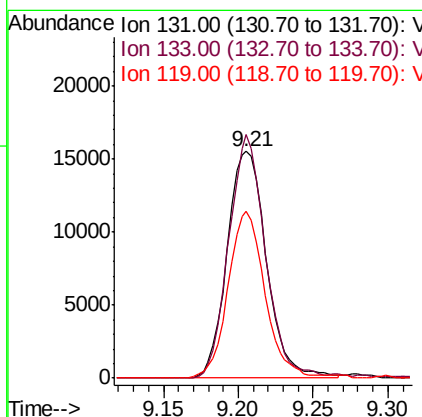
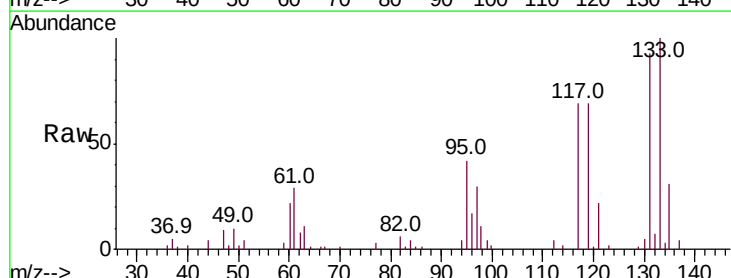
Manual Integrations
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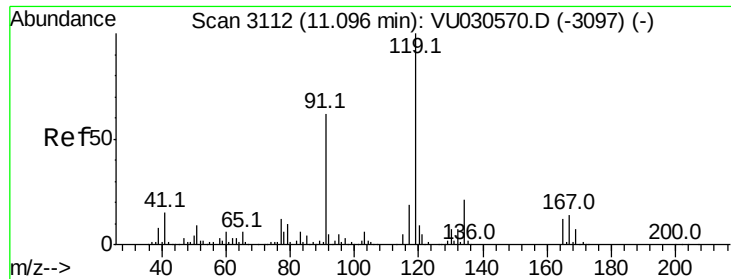
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.952 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion:131 Resp: 28555
Ion Ratio Lower Upper
131 100
133 99.5 77.5 116.3
119 68.6 53.2 79.8





#61

Pentachloroethane

Concen: 1.886 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:117 Resp: 21478

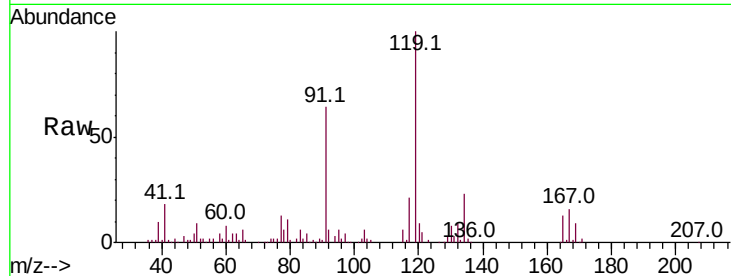
Ion Ratio Lower Upper

117 100

167 77.3 62.6 93.8

Manual Integrations
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V

11.10

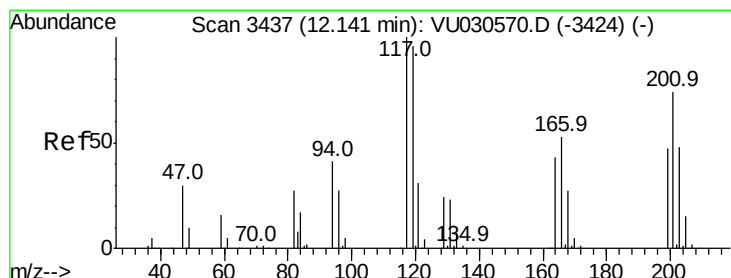
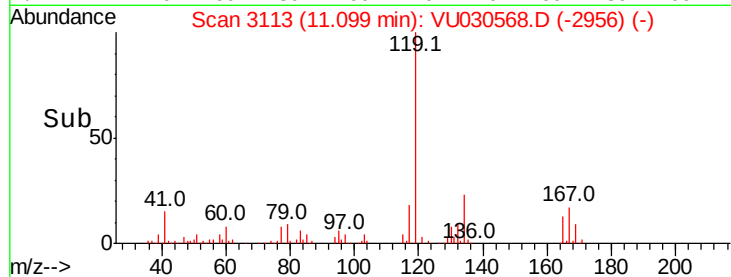
15000

10000

5000

0

Time--> 11.05 11.10



#62

Hexachloroethane

Concen: 1.694 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030568.D

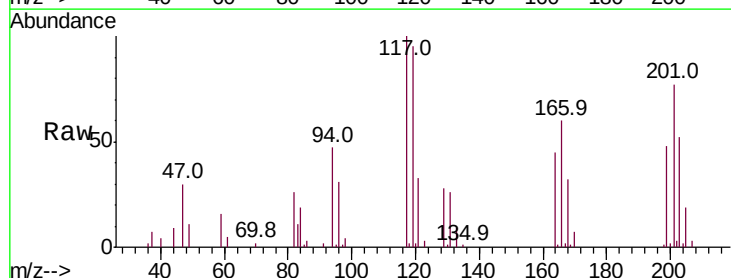
Acq: 30 Mar 2019 10:48

Tgt Ion:117 Resp: 18875

Ion Ratio Lower Upper

117 100

201 77.0 59.1 88.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

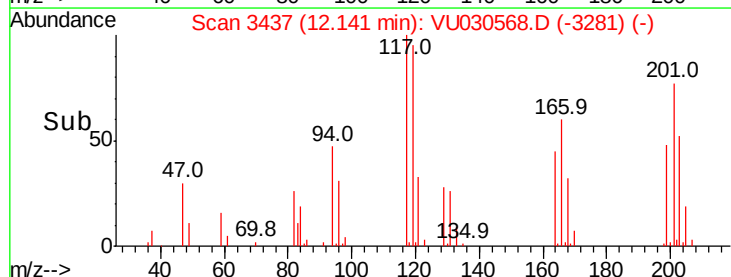
12.14

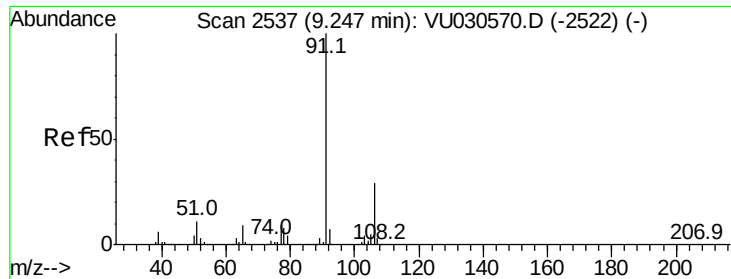
10000

5000

0

Time--> 12.10 12.15 12.20





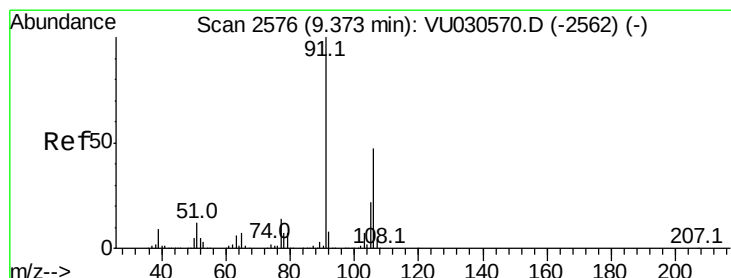
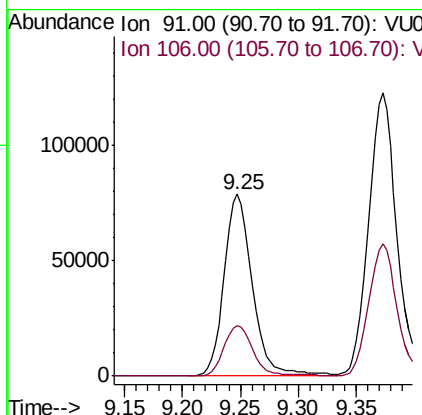
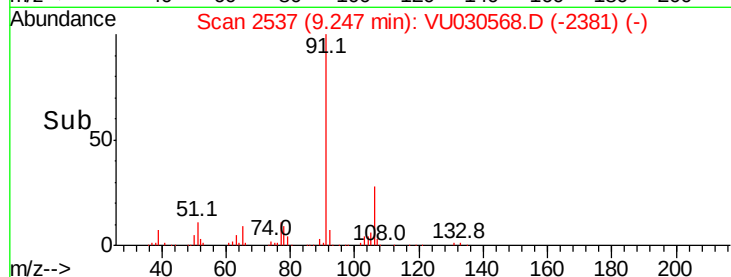
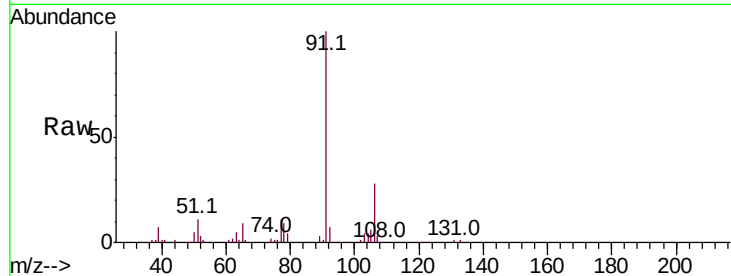
#63
Ethyl Benzene
Concen: 1.919 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 133344
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7

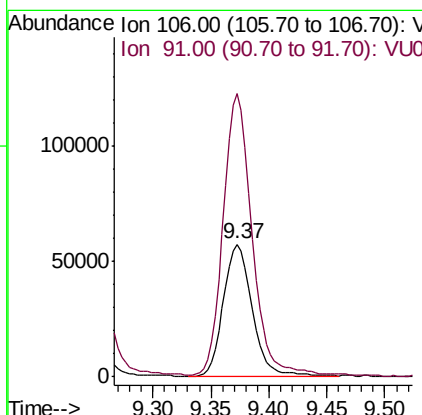
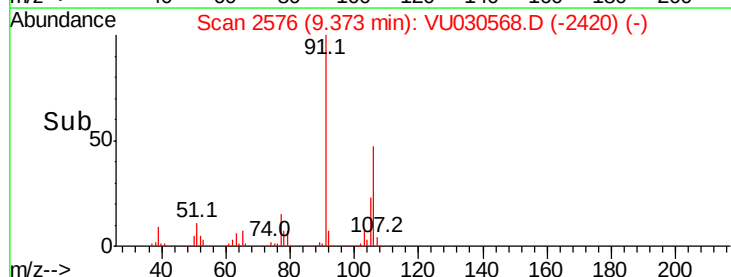
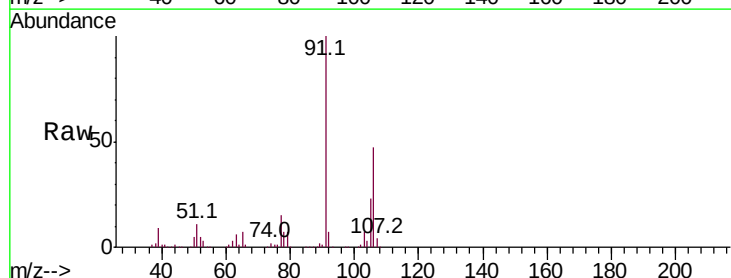
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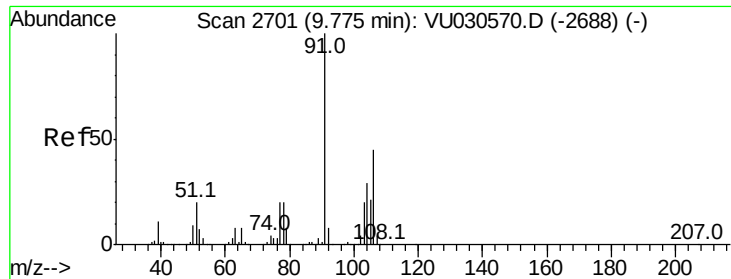
MMDadoda
4/5/2019 2:38:02 PM



#64
m/p-Xylenes
Concen: 3.659 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion: 106 Resp: 98216
Ion Ratio Lower Upper
106 100
91 211.2 179.4 269.0





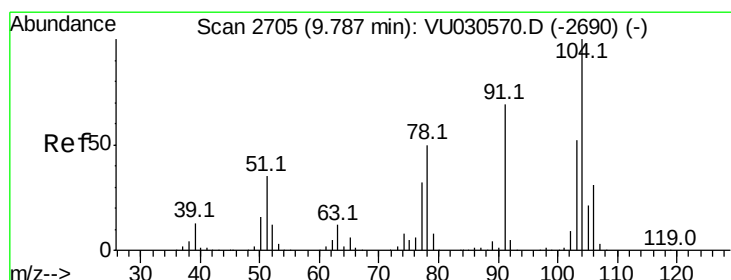
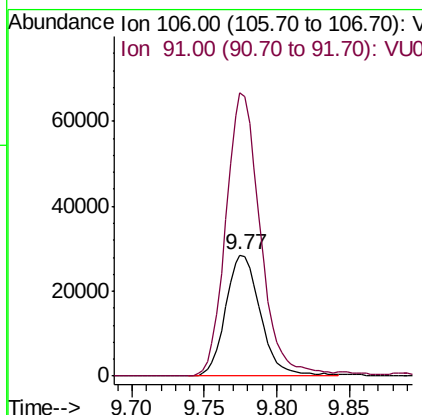
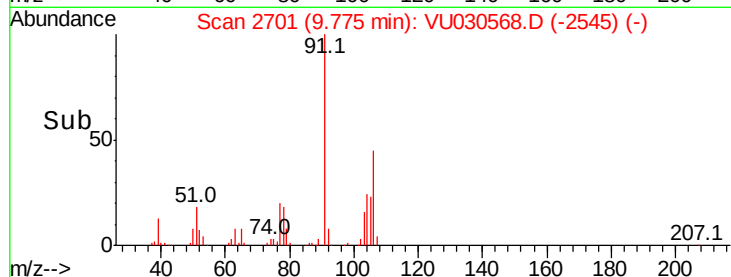
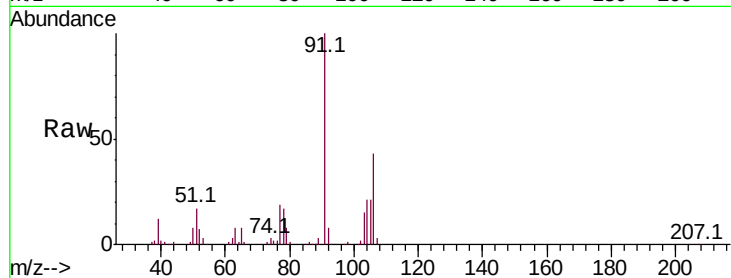
#65
o-Xylene
Concen: 1.803 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:106 Resp: 47424
Ion Ratio Lower Upper
106 100
91 231.4 115.5 346.4

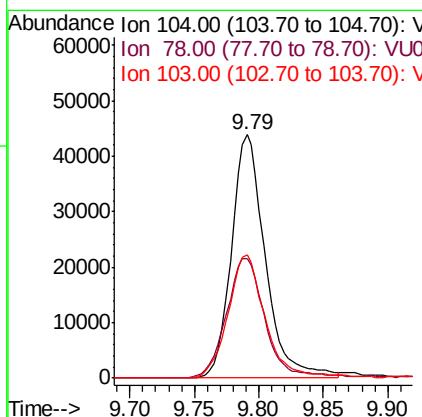
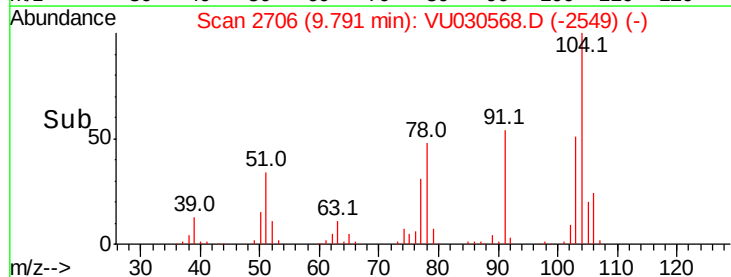
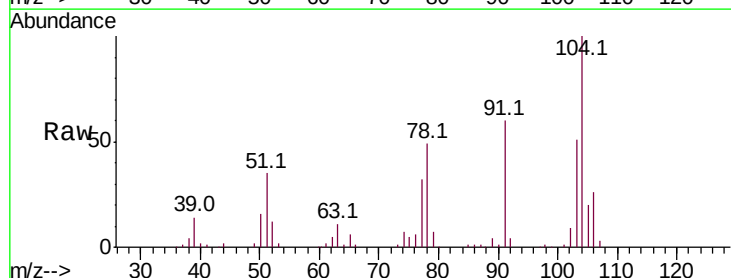
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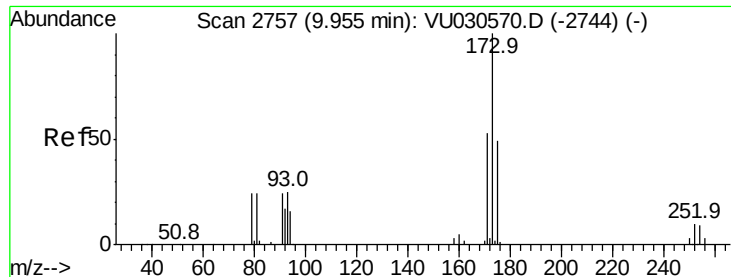
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4/5/2019 2:38:02 PM



#66
Styrene
Concen: 1.845 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion:104 Resp: 80193
Ion Ratio Lower Upper
104 100
78 56.0 42.3 63.5
103 55.6 44.7 67.1





#67

Bromoform

Concen: 1.803 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

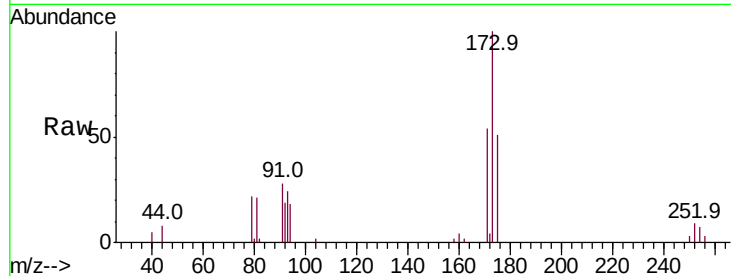
ClientSampleId :

VSTDIC002

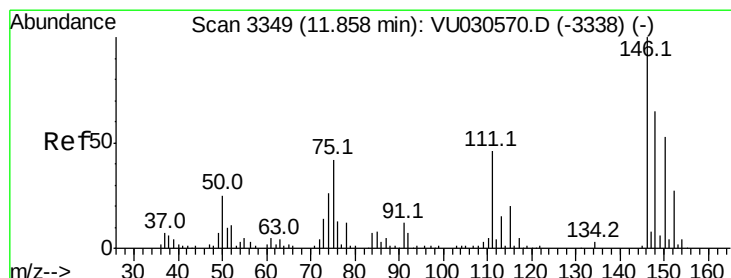
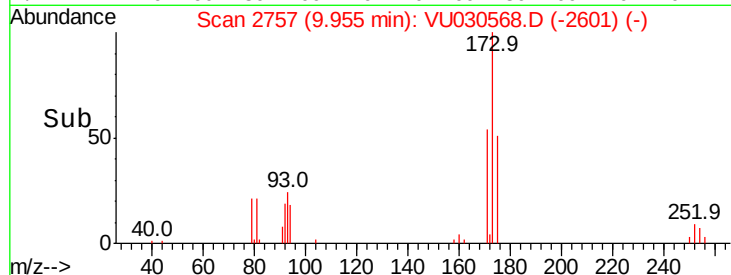
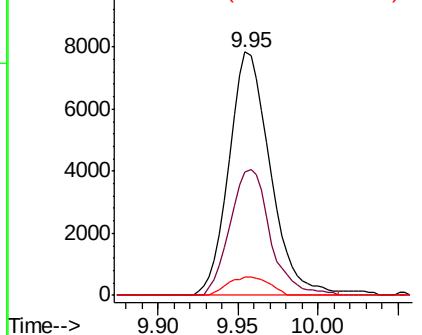
Tot Ion:	173	Resp:	13803
Ion Ratio	Lower	Upper	
173	100		
175	50.1	38.6	57.8
254	7.6	6.9	10.3

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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: 1.803 ug/l

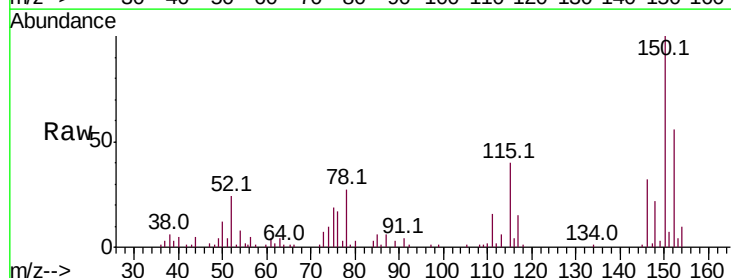
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

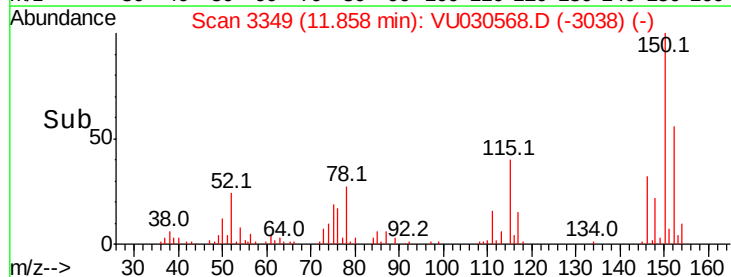
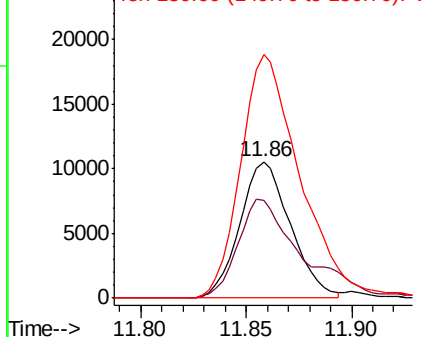
Lab File: VU030568.D

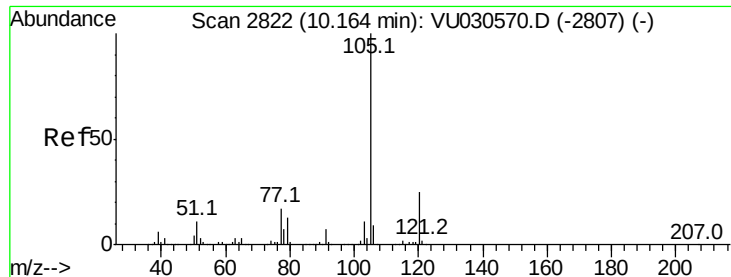
Acq: 30 Mar 2019 10:48

Tgt Ion:	152	Resp:	17536
Ion Ratio	Lower	Upper	
152	100		
115	92.1	0.0	136.2
150	212.1	0.0	634.6



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: 1.851 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 128172

Ion Ratio Lower Upper

105 100

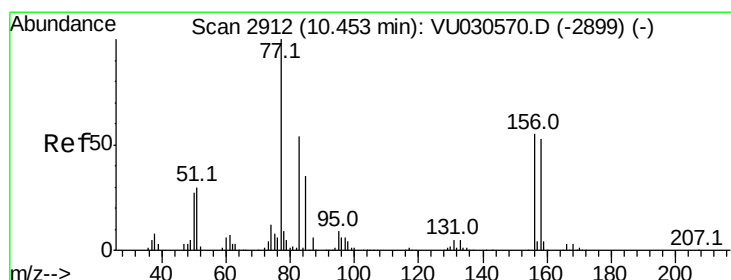
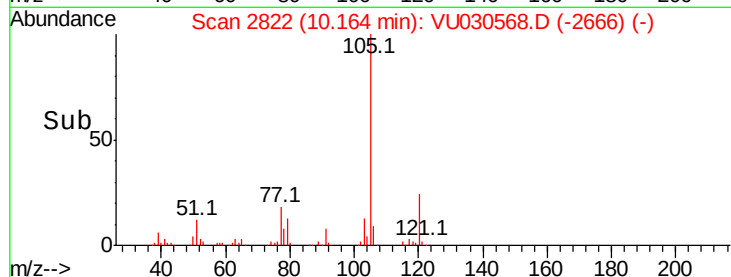
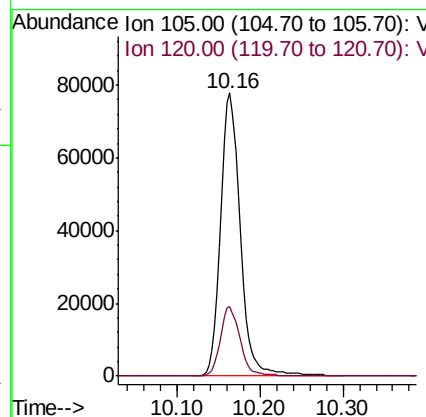
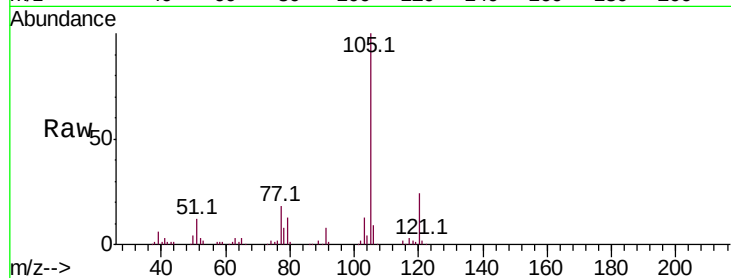
120 24.6 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.238 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

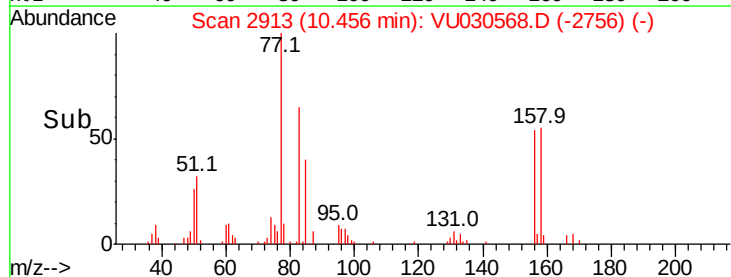
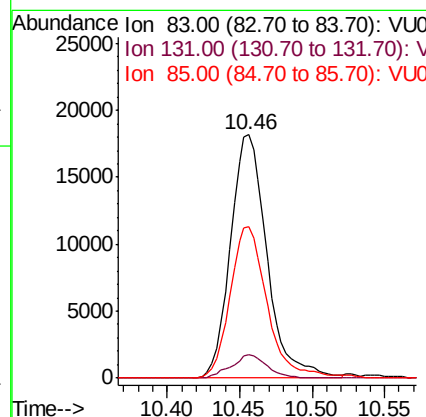
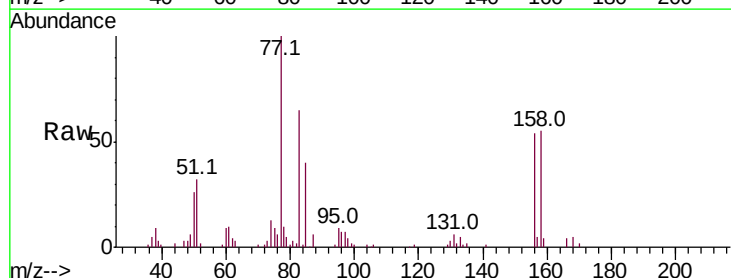
Tgt Ion: 83 Resp: 31817

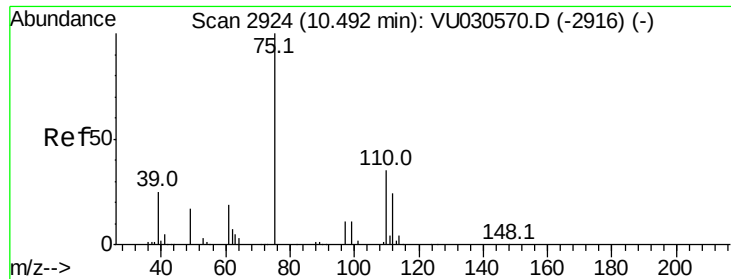
Ion Ratio Lower Upper

83 100

131 9.3 7.0 10.6

85 63.2 51.0 76.4





#71

1,2,3-Trichloropropane

Concen: 2.195 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 22644

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

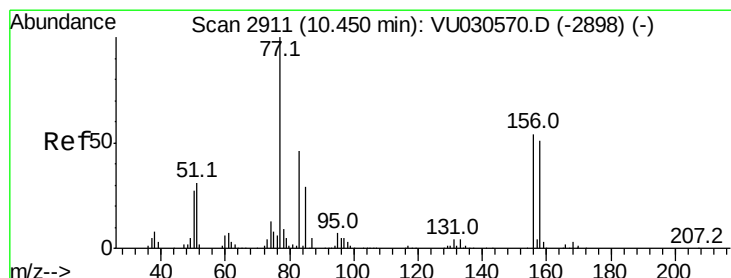
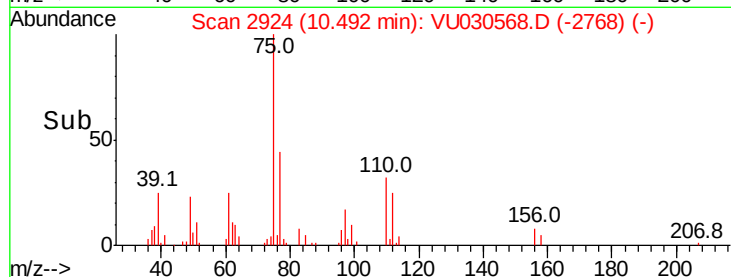
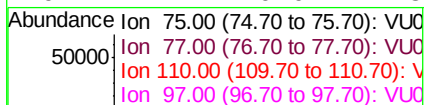
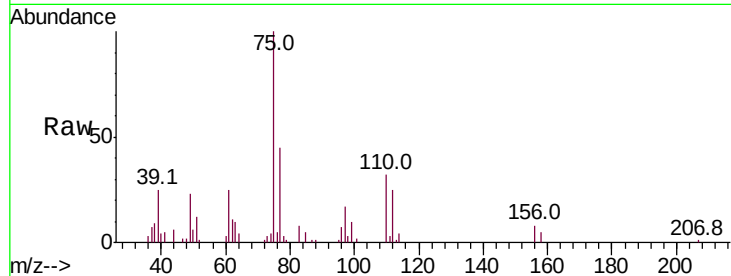
110 31.3 0.0 83.8

97 17.1 0.0 42.8

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4/5/2019 2:38:02 PM



#72

Bromobenzene

Concen: 1.772 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

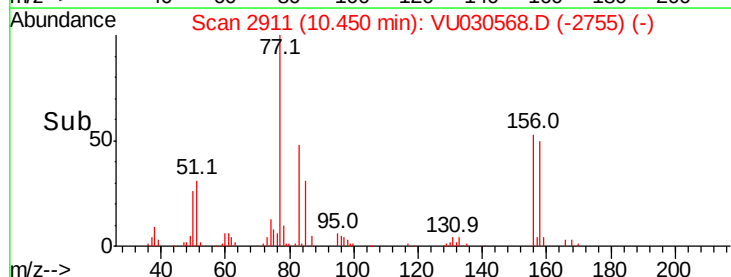
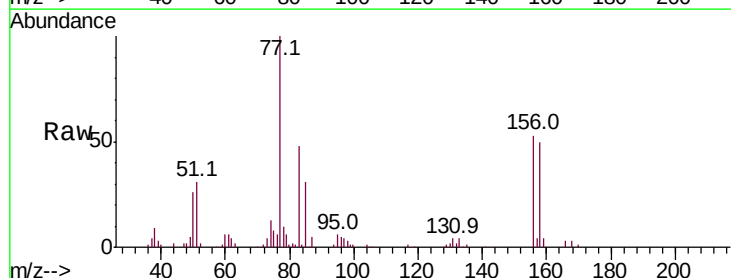
Tgt Ion: 156 Resp: 31489

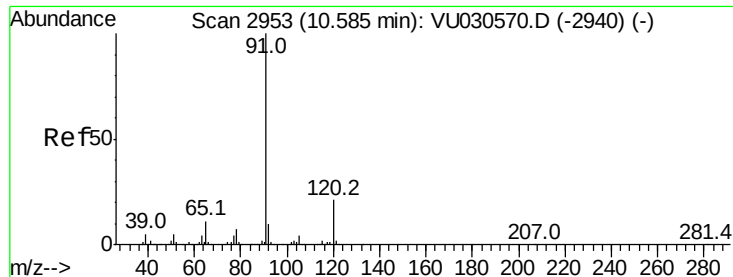
Ion Ratio Lower Upper

156 100

77 179.1 0.0 363.0

158 94.0 0.0 193.2





#73

n-propylbenzene

Concen: 1.704 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 33063

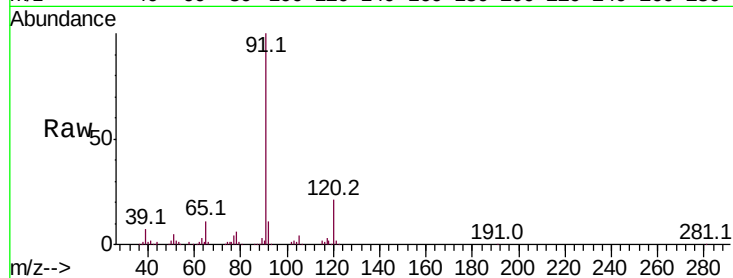
Ion Ratio Lower Upper

120 100

91 466.5 371.6 557.4

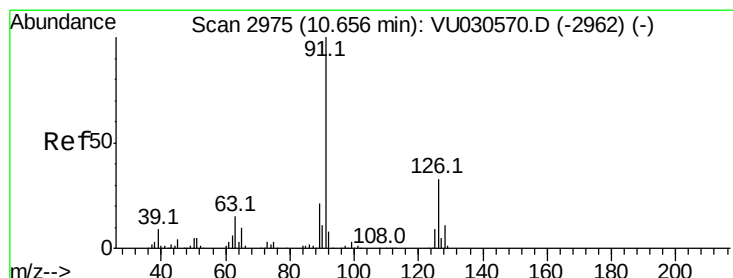
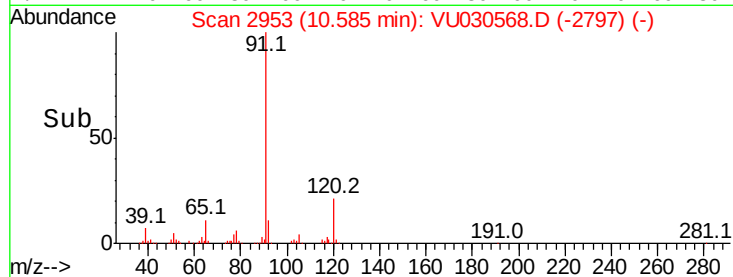
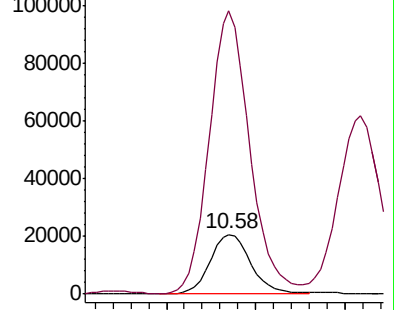
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.868 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030568.D

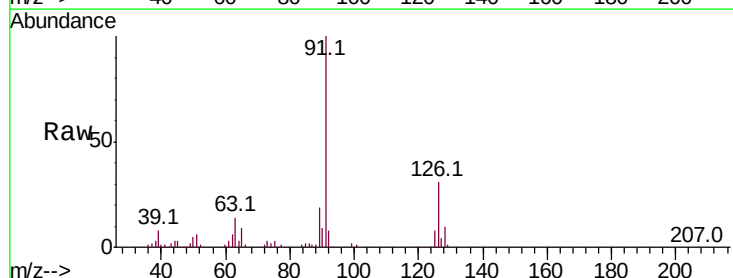
Acq: 30 Mar 2019 10:48

Tgt Ion:126 Resp: 31857

Ion Ratio Lower Upper

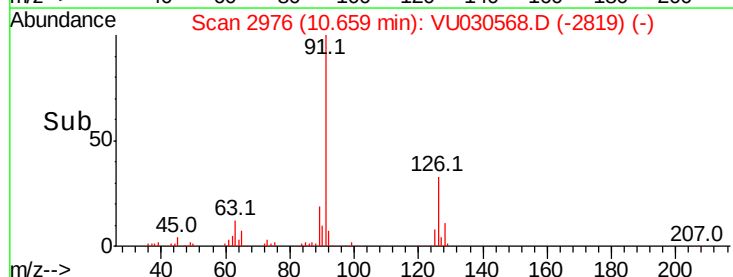
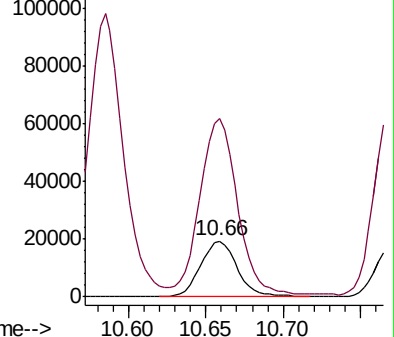
126 100

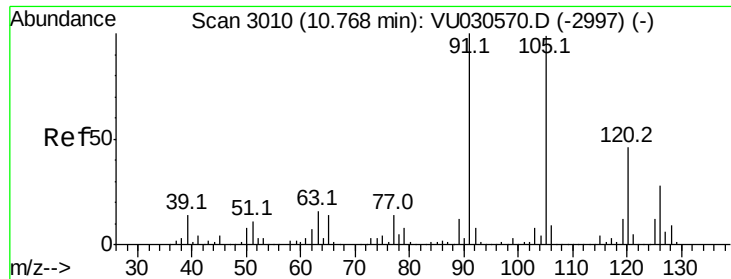
91 323.0 0.0 656.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.851 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 108786

Ion Ratio Lower Upper

105 100

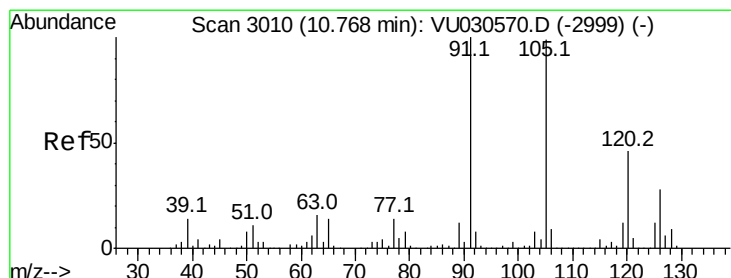
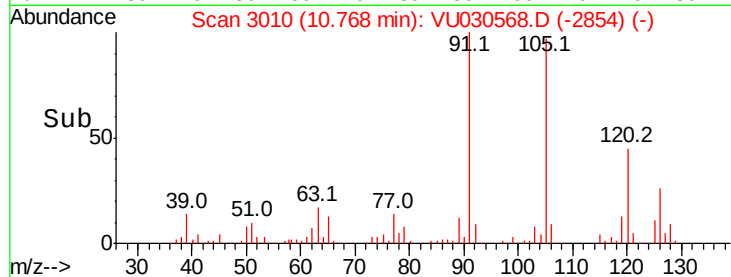
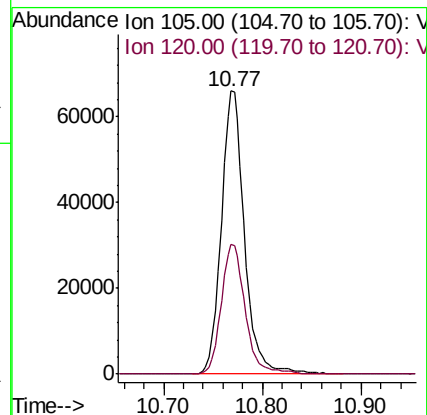
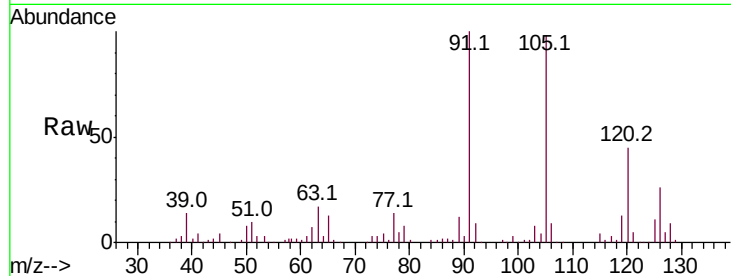
120 47.4 37.6 56.4

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4/5/2019 2:38:02 PM



#76

4-Chlorotoluene

Concen: 1.722 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030568.D

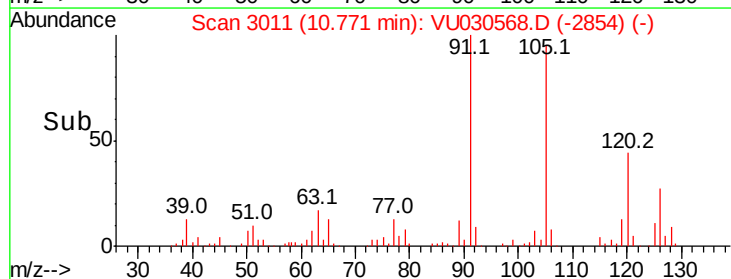
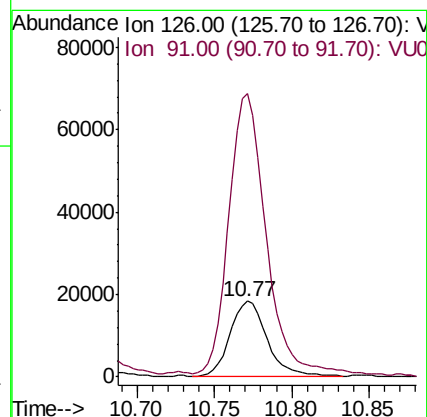
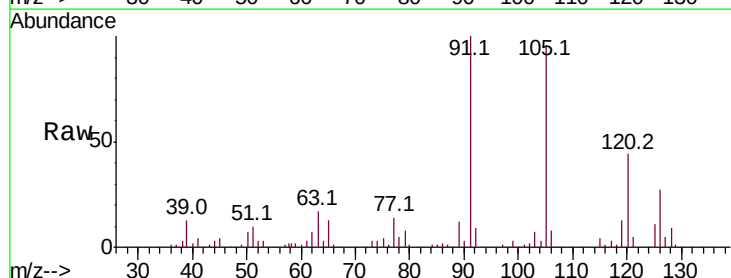
Acq: 30 Mar 2019 10:48

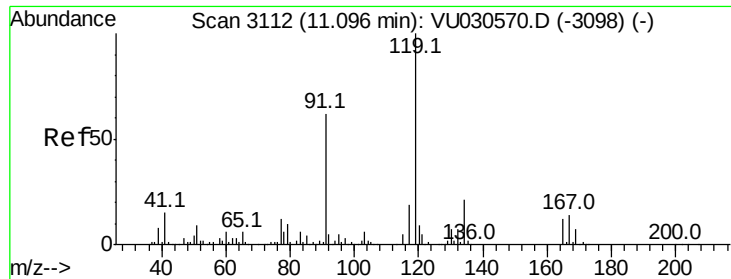
Tgt Ion:126 Resp: 29874

Ion Ratio Lower Upper

126 100

91 381.4 0.0 721.6





#77

tert-Butylbenzene

Concen: 1.770 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

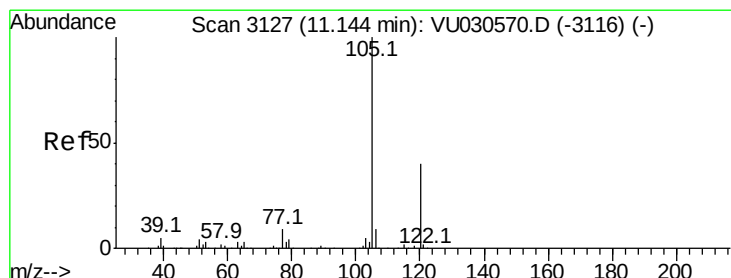
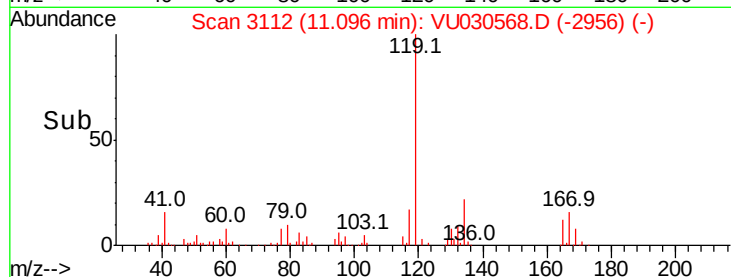
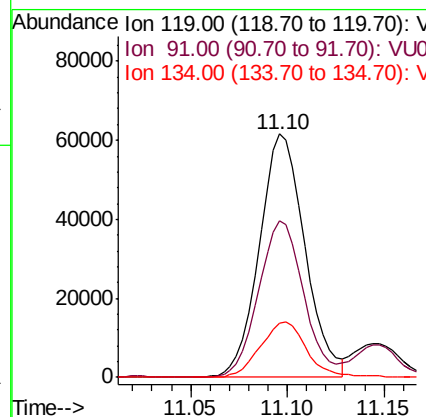
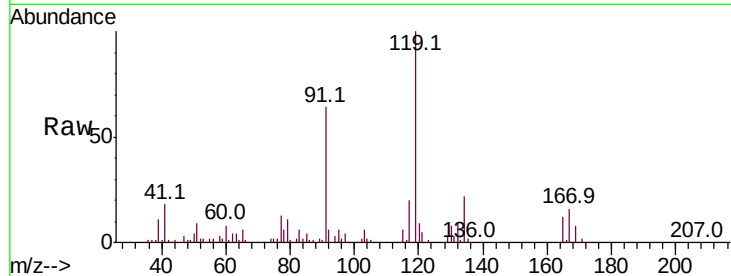
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	101199
Ion Ratio	Lower	Upper	
119	100		
91	63.3	30.9	92.8
134	23.1	17.6	26.4

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4/5/2019 2:38:02 PM



#78

1,2,4-Trimethylbenzene

Concen: 1.777 ug/l

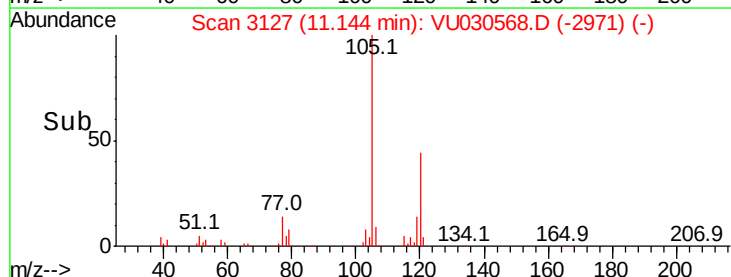
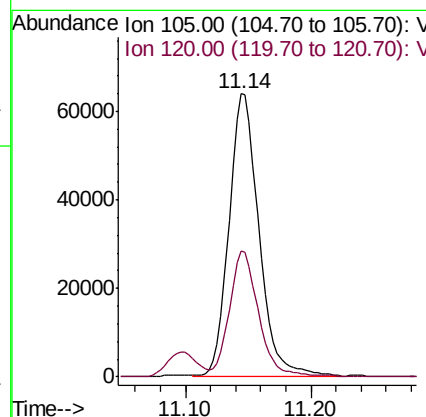
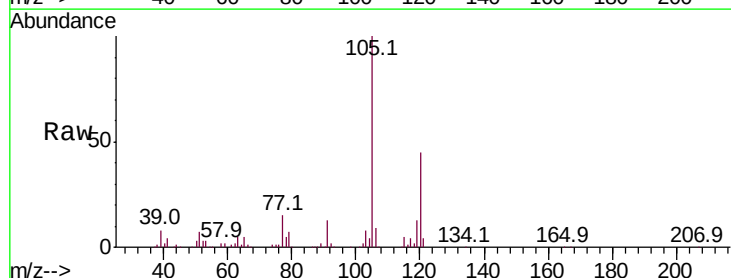
RT: 11.14 min Scan# 3127

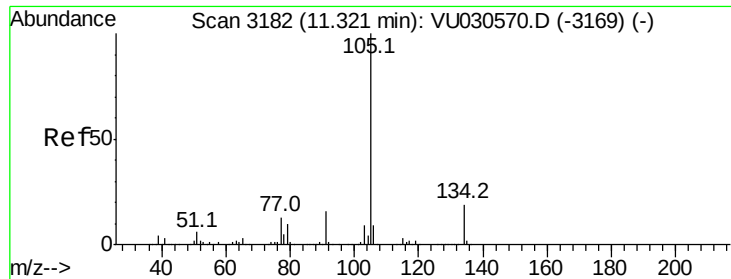
Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Tgt Ion:	105	Resp:	105880
Ion Ratio	Lower	Upper	
105	100		
120	42.5	22.1	66.5





#79

sec-Butylbenzene

Concen: 1.843 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 141445

Ion Ratio Lower Upper

105 100

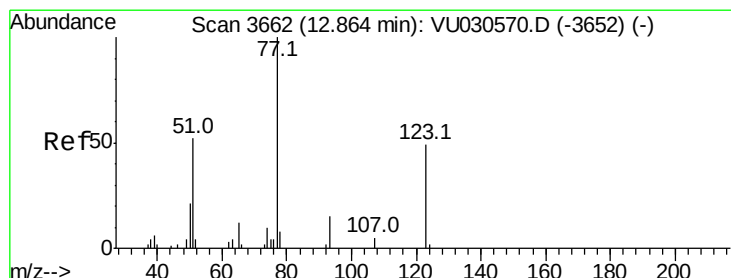
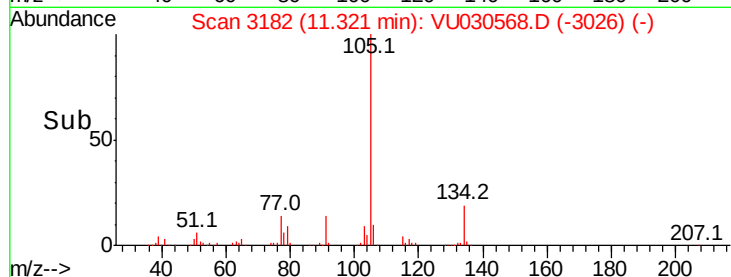
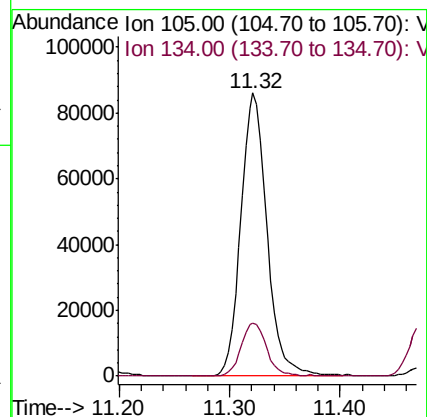
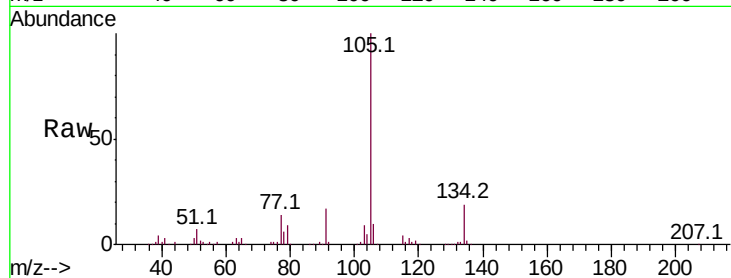
134 18.2 14.7 22.1

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#80

Nitrobenzene

Concen: 4.814 ug/l m

RT: 12.89 min Scan# 3671

Delta R.T. 0.03 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

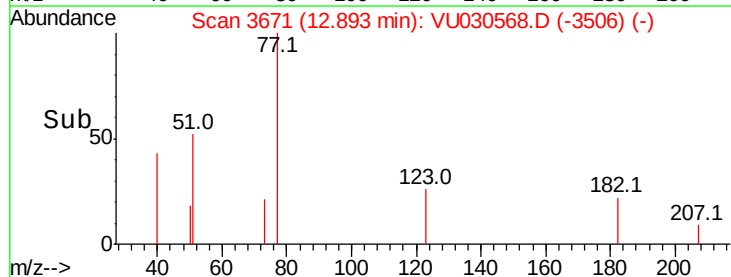
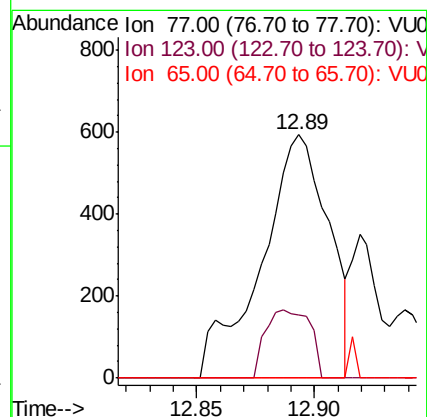
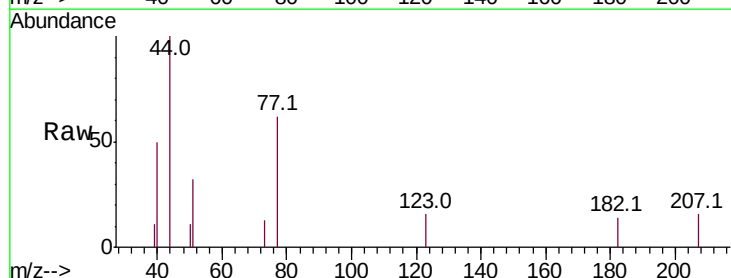
Tgt Ion: 77 Resp: 1178

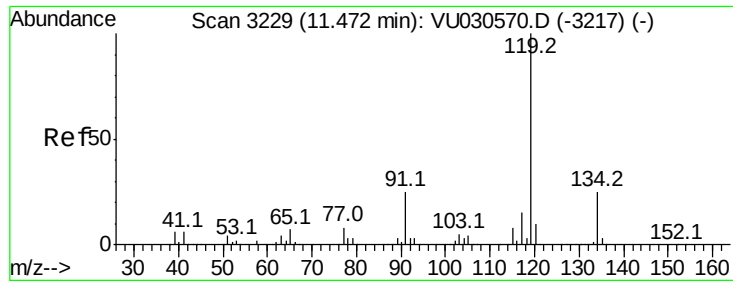
Ion Ratio Lower Upper

77 100

123 18.6 17.5 62.1

65 1.6 8.1 10.3#





#81

p-Isopropyltoluene

Concen: 1.643 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

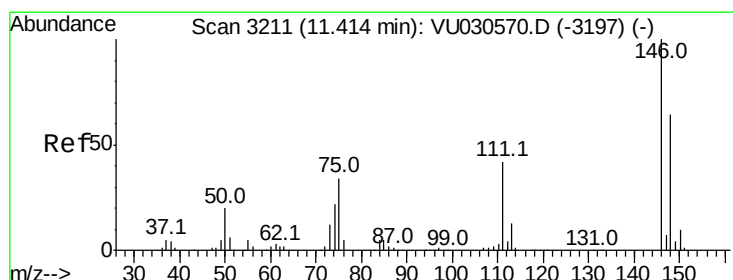
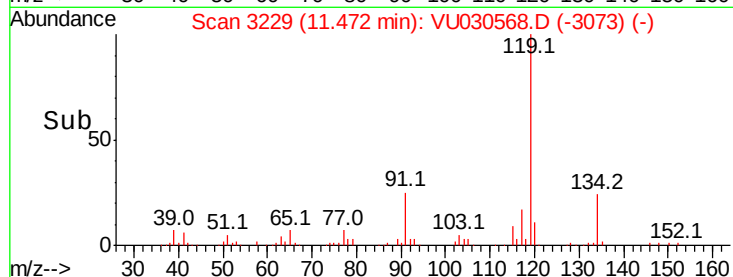
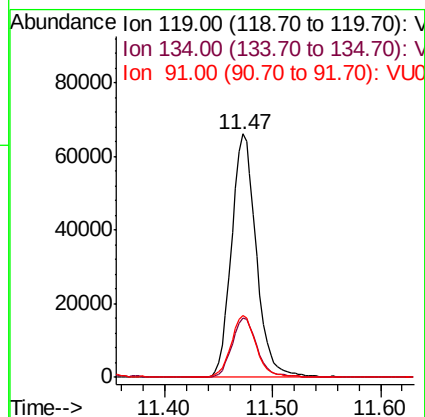
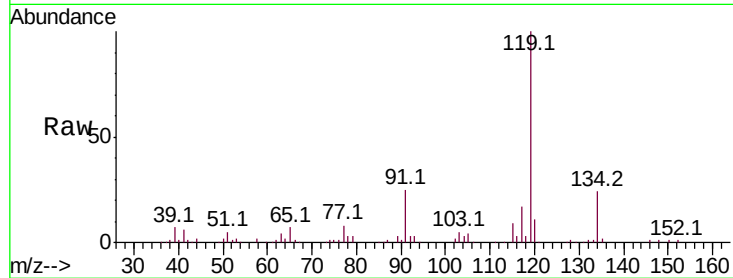
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	104311
Ion Ratio	Lower	Upper	
119	100		
134	25.0	20.6	31.0
91	26.2	20.4	30.6

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#82

1,3-Dichlorobenzene

Concen: 1.742 ug/l

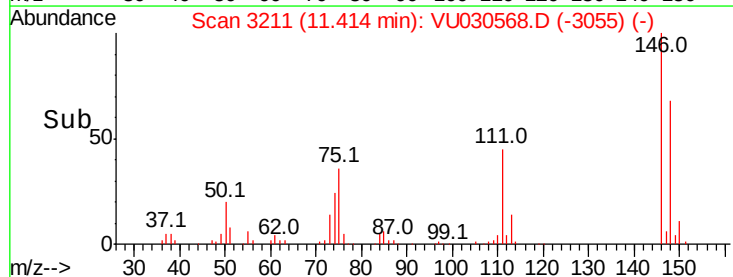
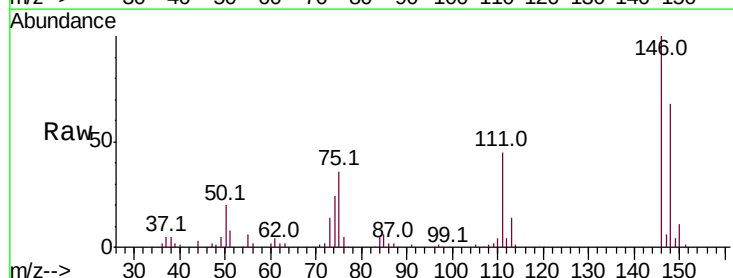
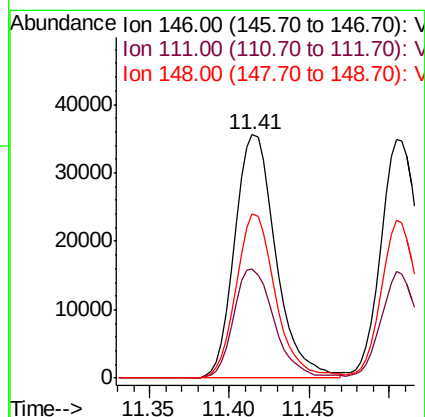
RT: 11.41 min Scan# 3211

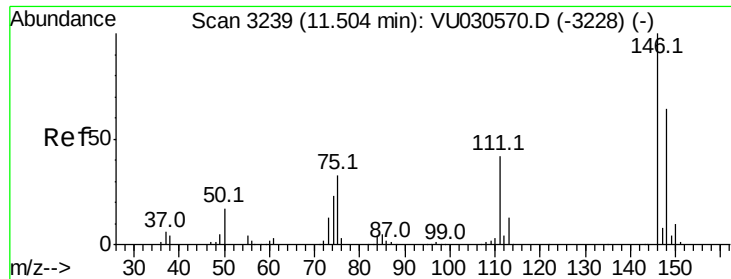
Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Tgt Ion:	146	Resp:	62431
Ion Ratio	Lower	Upper	
146	100		
111	43.8	34.0	51.0
148	64.6	51.0	76.6





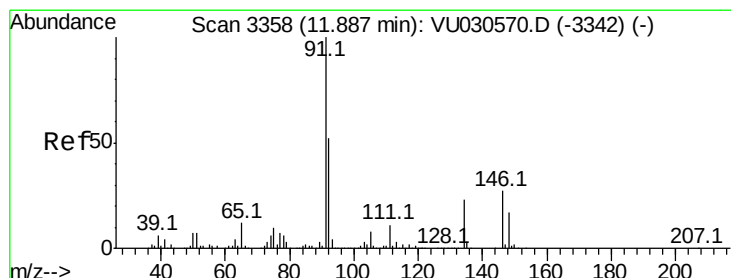
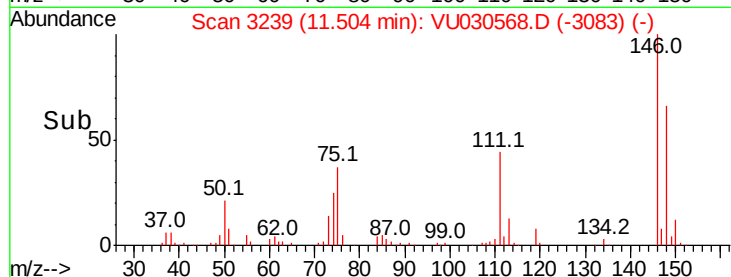
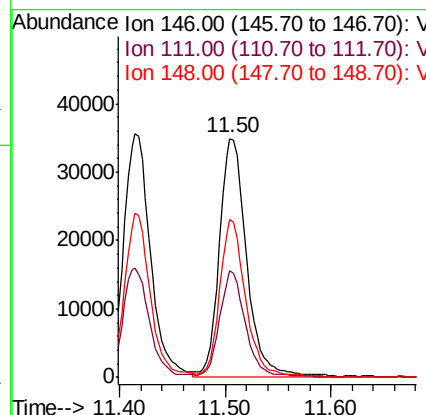
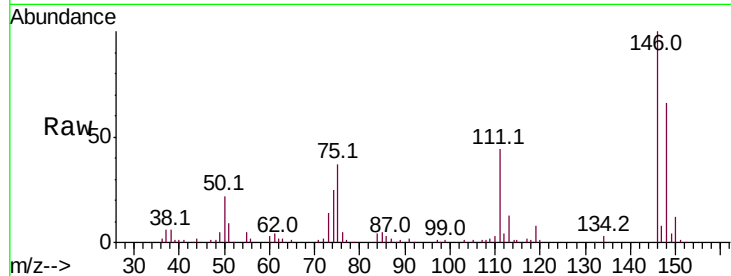
#83
 1,4-Dichlorobenzene
 Concen: 1.730 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	32.8	49.2
148	60.1	50.5	75.7

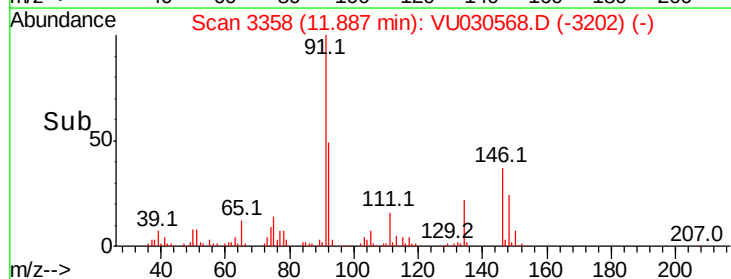
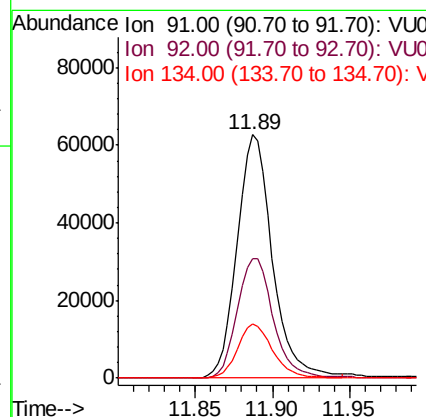
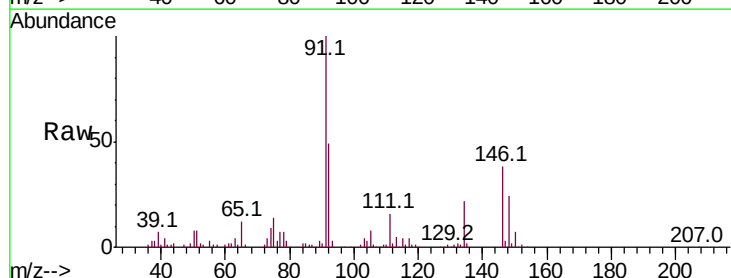
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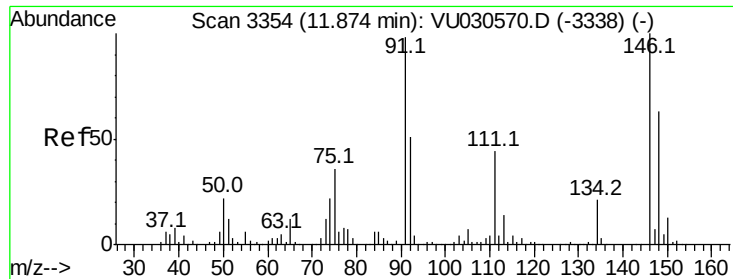
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#84
 n-Butylbenzene
 Concen: 1.663 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.6	41.7	62.5
134	22.1	18.3	27.5





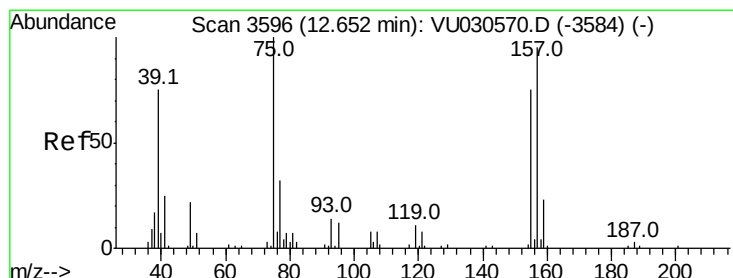
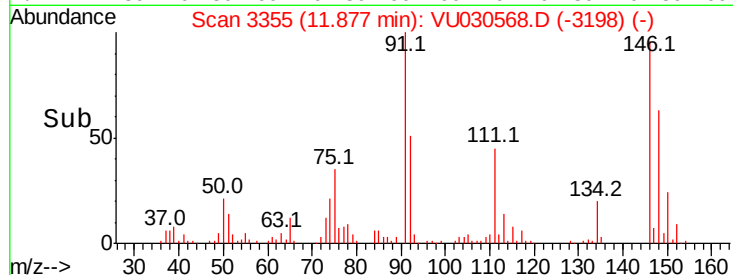
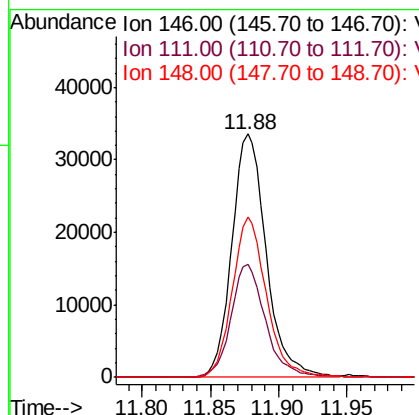
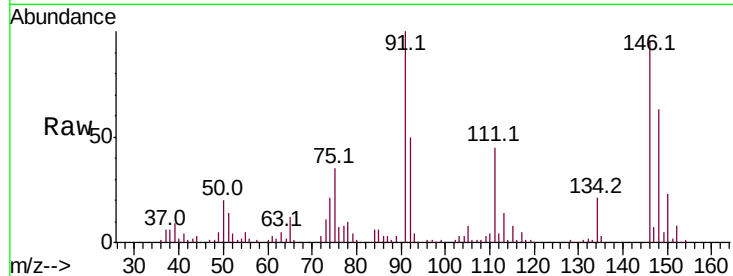
#85
 1,2-Dichlorobenzene
 Concen: 1.762 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	21.9	65.5
148	65.2	31.5	94.5

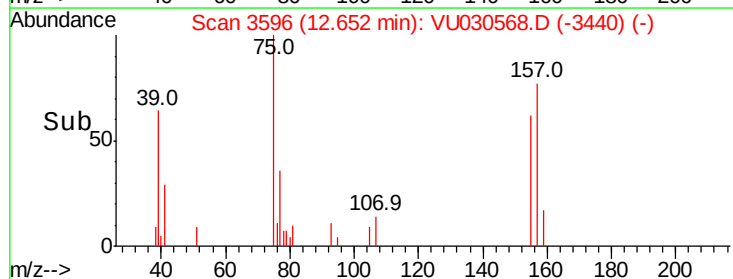
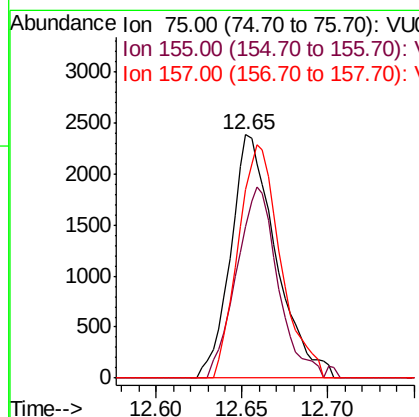
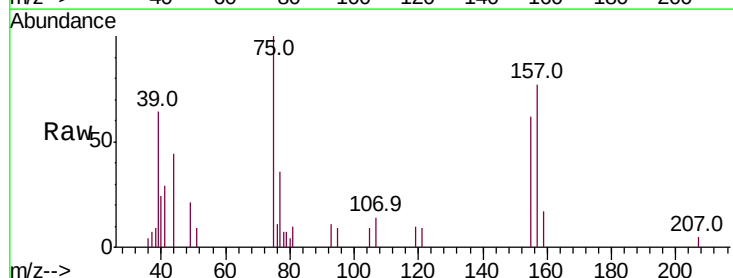
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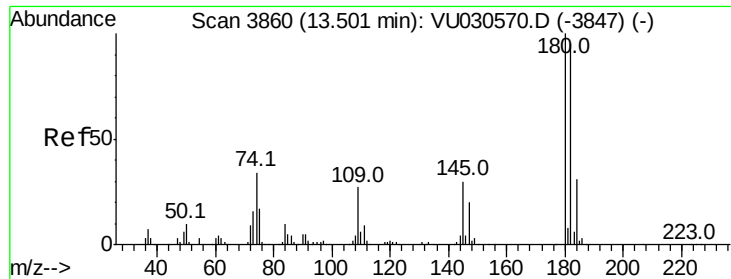
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 4/5/2019 2:38:02 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.131 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030568.D
 Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	59.7	89.5
157	89.8	73.7	110.5





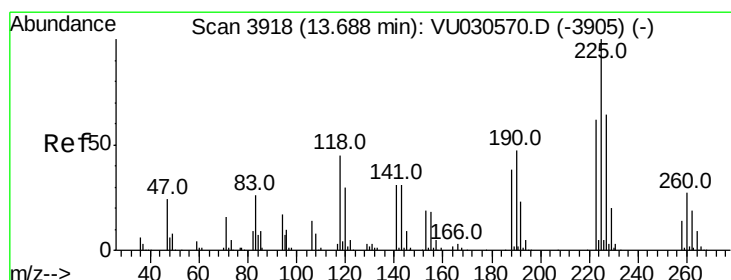
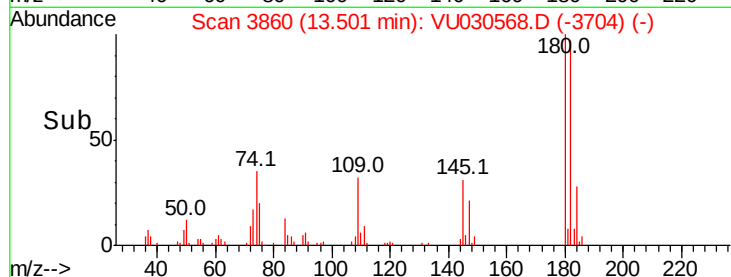
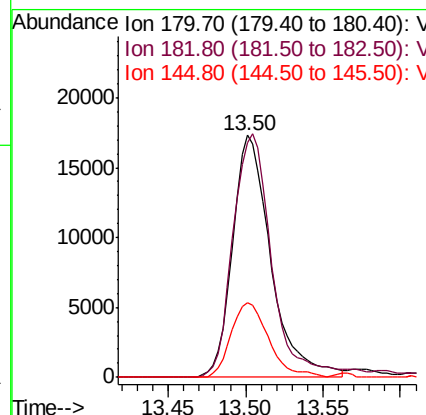
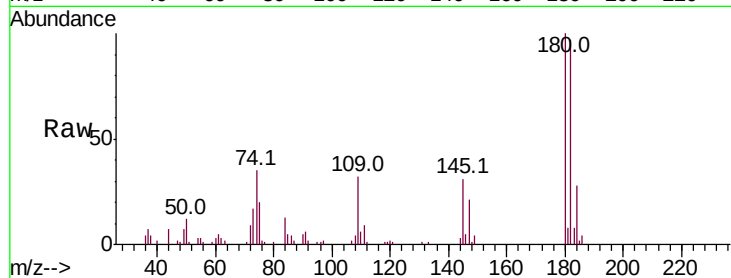
#87
1,2,4-Trichlorobenzene
Concen: 1.274 ug/l
RT: 13.50 min Scan# 3860
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.2	76.0	114.0
145	30.3	24.3	36.5

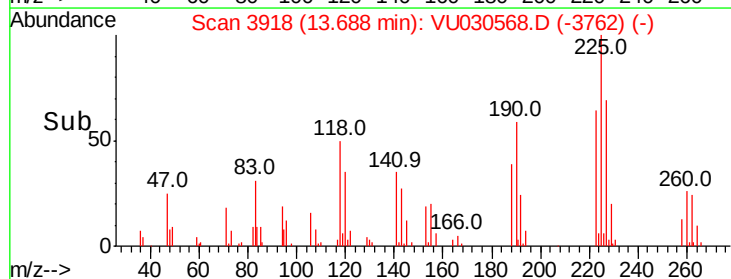
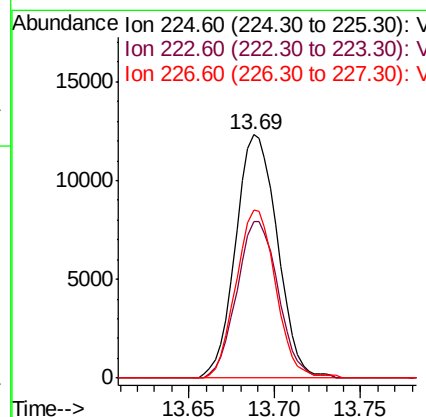
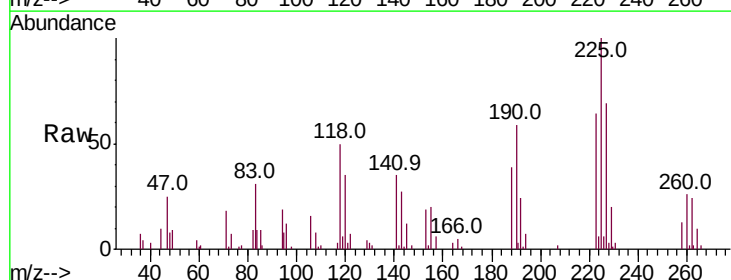
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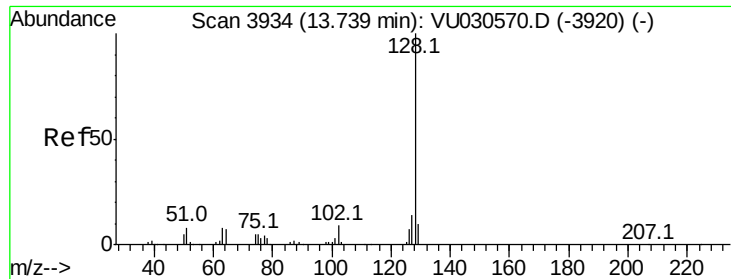
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4/5/2019 2:38:02 PM



#88
Hexachlorobutadiene
Concen: 1.605 ug/l
RT: 13.69 min Scan# 3918
Delta R.T. 0.00 min
Lab File: VU030568.D
Acq: 30 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.7	76.1
227	65.3	50.8	76.2





#89

Naphthalene

Concen: 1.251 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Instrument :

MSVOA_U

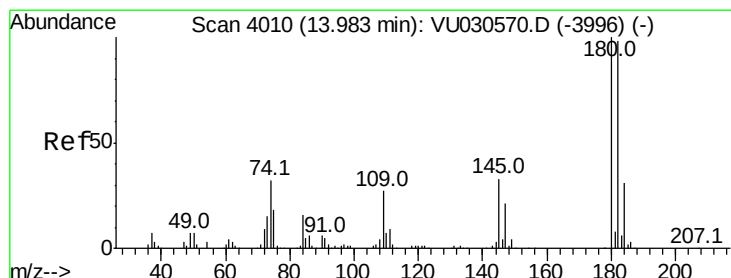
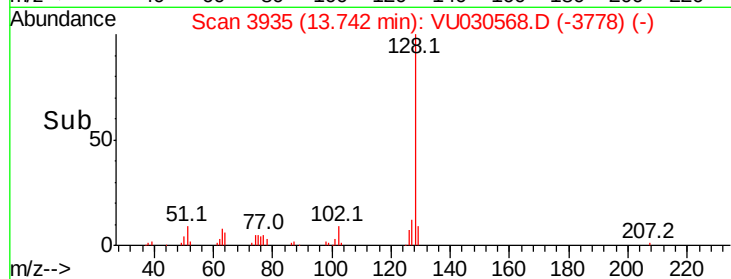
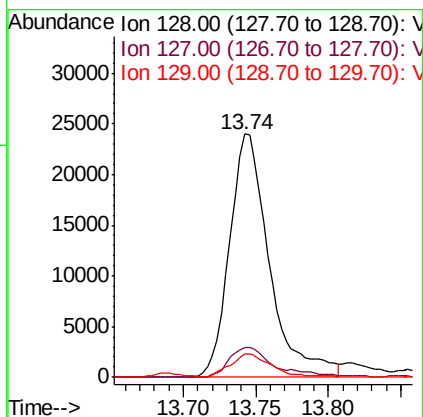
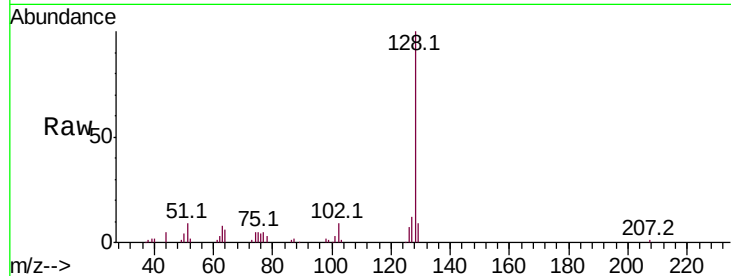
ClientSampleId :

VSTDIC002

Tot Ion:	128	Resp:	45931
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.4	15.6
129	10.1	7.8	11.8

Manual Integrations
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#90

1,2,3-Trichlorobenzene

Concen: 1.423 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030568.D

Acq: 30 Mar 2019 10:48

Tgt Ion:	180	Resp:	30331
Ion	Ratio	Lower	Upper
180	100		
182	90.9	76.6	114.8
145	29.6	25.9	38.9

