

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040219\
 Data File : VU030610.D
 Acq On : 02 Apr 2019 19:25
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Quant Time: Apr 03 02:11:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U040219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Apr 03 01:47:43 2019
 Response via : Initial Calibration

MMDadoda
 4/3/2019 11:44:12 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	37513	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	13946	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12572	0.82	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	76974	5.444	ug/l	99
3) Chloromethane	1.32	50	87859	5.482	ug/l	97
4) Vinyl Chloride	1.40	62	85956	6.074	ug/l	100
5) Bromomethane	1.63	94	37222	4.774	ug/l	97
6) Chloroethane	1.70	64	48834	6.019	ug/l	98
7) Trichlorofluoromethane	1.88	101	101320	5.610	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	49826	5.154	ug/l	99
9) 1,1-Dichloroethene	2.28	96	49809	5.223	ug/l	95
10) Iodomethane	2.41	142	64125	7.192	ug/l	99
11) Allyl Chloride	2.59	41	111723	7.533	ug/l	96
12) Acrylonitrile	2.93	53	31649	14.078	ug/l	93
13) Acetone	2.32	43	73146	36.882	ug/l	100
14) Carbon Disulfide	2.47	76	178609	5.343	ug/l	98
15) Methylene Chloride	2.69	84	61277	5.348	ug/l	98
16) trans-1,2-Dichloroethene	2.97	96	54289	4.956	ug/l	97
17) 1,1-Dichloroethane	3.44	63	114848	5.971	ug/l	100
18) 2-Butanone	4.27	43	104652	37.862	ug/l	100
19) Cyclohexane	4.98	56	96147m	5.833	ug/l	
20) Methylcyclohexane	6.41	83	82753	4.784	ug/l	98
21) 2,2-Dichloropropane	4.22	77	90716	5.663	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	61021	5.007	ug/l	99
23) Diethyl Ether	2.10	59	49741	6.598	ug/l	99
24) tert-Butyl Alcohol	2.83	59	60060	71.971	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	156656	6.257	ug/l	98
26) Bromochloromethane	4.54	128	26030	4.903	ug/l	99
27) Chloroform	4.67	83	109625	5.505	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	88178	5.416	ug/l	99
29) 1,1-Dichloropropene	5.13	75	79803	5.394	ug/l	99
30) Carbon Tetrachloride	5.13	117	76005	5.241	ug/l	95
31) Isopropyl Ether	3.58	45	188531	6.695	ug/l	98
32) Ethyl-t-butyl ether	4.07	59	150956	5.789	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	128587	5.493	ug/l	99
34) Propionitrile	4.33	54	27443	36.340	ug/l #	93
35) Benzene	5.38	78	234178	5.414	ug/l	98
36) 1,2-Dichloroethane	5.40	62	74635	6.215	ug/l	99
37) Trichloroethene	6.18	130	56155	4.643	ug/l	98
38) 1,2-Dichloropropane	6.43	63	65735	5.839	ug/l	100
39) Methacrylonitrile	4.55	41	24280	7.189	ug/l	98
40) Methyl acrylate	4.43	55	34922	6.816	ug/l	97
41) Tetrahydrofuran	4.65	42	24915	13.373	ug/l	94
42) 1-Chlorobutane	5.06	56	120594	6.026	ug/l	97

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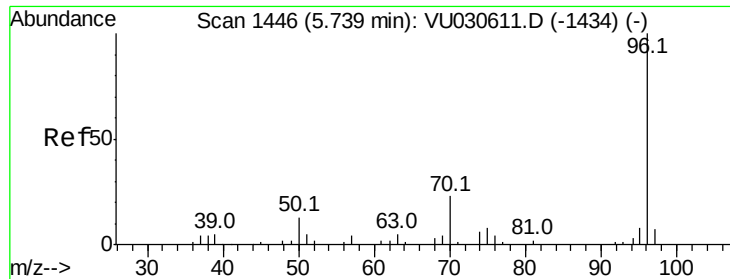
Manual Integrations
 APPROVED

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Quant Time: Apr 03 02:11:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U040219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Apr 03 01:47:43 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	30284	5.277	ug/l	95
44) Bromodichloromethane	6.75	83	80575	5.834	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	233484	37.570	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	33748m	14.893	ug/l	
47) Methyl methacrylate	6.62	69	62992	12.766	ug/l	93
48) Ethyl methacrylate	8.02	69	56744	6.205	ug/l	98
49) Toluene	7.63	92	131040	5.097	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	72758	5.901	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	86190	5.613	ug/l	96
52) 1,1,2-Trichloroethane	8.06	97	43588	5.406	ug/l	91
53) 1,3-Dichloropropane	8.24	76	79783	5.827	ug/l	98
54) 2-Hexanone	8.36	43	162746	36.907	ug/l	96
55) Dibromochloromethane	8.47	129	51364	5.358	ug/l	99
56) 1,2-Dibromoethane	8.58	107	41729	5.426	ug/l	96
58) Tetrachloroethene	8.22	164	47081	4.319	ug/l	99
59) Chlorobenzene	9.12	112	139918	4.826	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	52316	5.060	ug/l	98
61) Pentachloroethane	11.10	117	40392	5.065	ug/l	97
62) Hexachloroethane	12.14	117	38538	4.876	ug/l	99
63) Ethyl Benzene	9.25	91	238133	4.939	ug/l	99
64) m/p-Xylenes	9.37	106	177639	9.528	ug/l	99
65) o-Xylene	9.77	106	84658	4.631	ug/l	99
66) Styrene	9.79	104	150031	4.973	ug/l	99
67) Bromoform	9.95	173	29599	5.443	ug/l	96
69) Isopropylbenzene	10.16	105	226483	4.724	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	59734	5.925	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	41758m	5.499	ug/l	
72) Bromobenzene	10.45	156	54219	4.377	ug/l	96
73) n-propylbenzene	10.58	120	60373	4.485	ug/l	96
74) 2-Chlorotoluene	10.66	126	54107	4.581	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	199662	4.897	ug/l	99
76) 4-Chlorotoluene	10.77	126	57356	4.766	ug/l	97
77) tert-Butylbenzene	11.10	119	186762	4.704	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	197944	4.772	ug/l	99
79) sec-Butylbenzene	11.32	105	255232	4.785	ug/l	100
80) Nitrobenzene	12.86	77	7116	33.624	ug/l #	93
81) p-Isopropyltoluene	11.47	119	203007	4.579	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	110816	4.450	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	110552	4.413	ug/l	99
84) n-Butylbenzene	11.89	91	207252	4.928	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	103706	4.466	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.65	75	9390	6.389	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	63326	3.863	ug/l	97
88) Hexachlorobutadiene	13.69	225	36688	4.091	ug/l	97
89) Naphthalene	13.74	128	114035	4.403	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	61844	4.118	ug/l	99

(#) = 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: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 37513

Ion Ratio Lower Upper

96 100

70 22.7 18.5 27.7

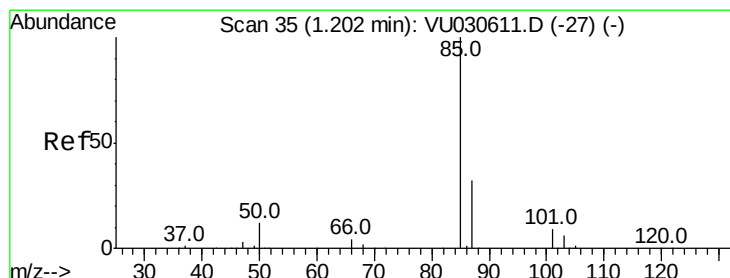
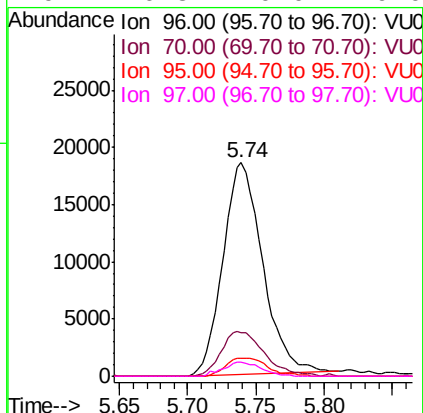
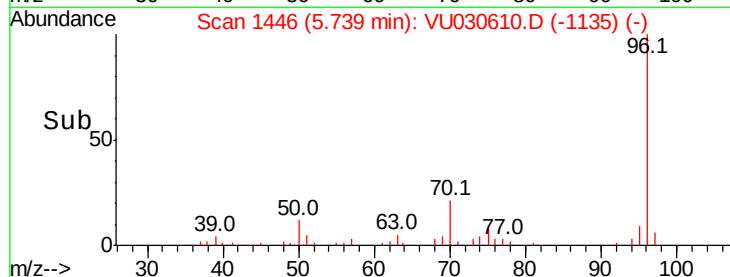
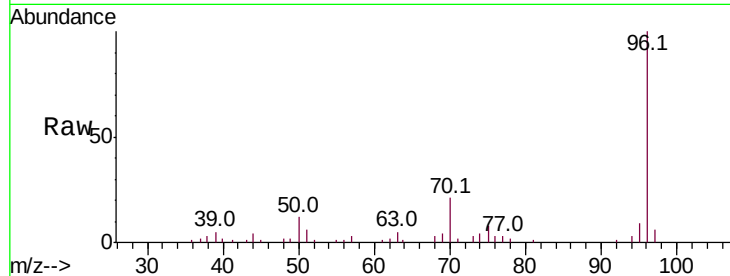
95 9.1 0.0 0.0#

97 6.3 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 5.444 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030610.D

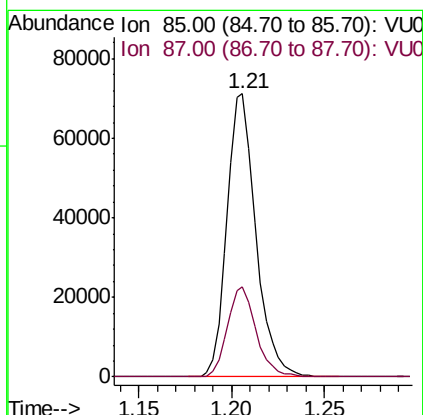
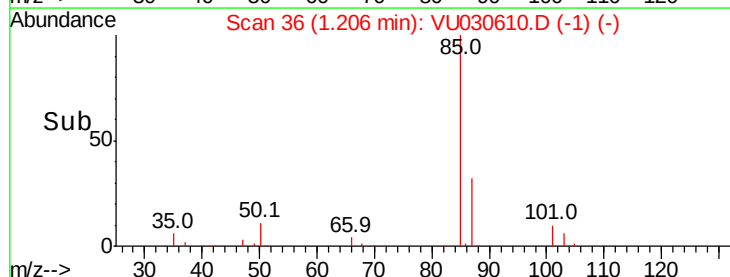
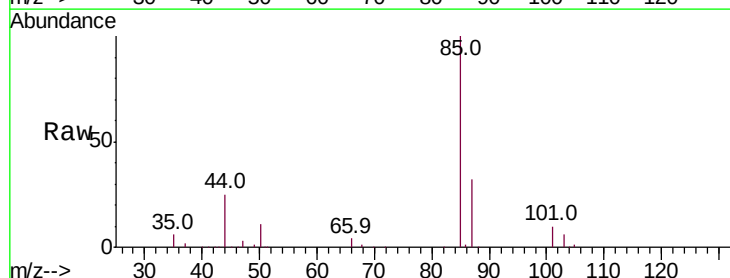
Acq: 02 Apr 2019 19:25

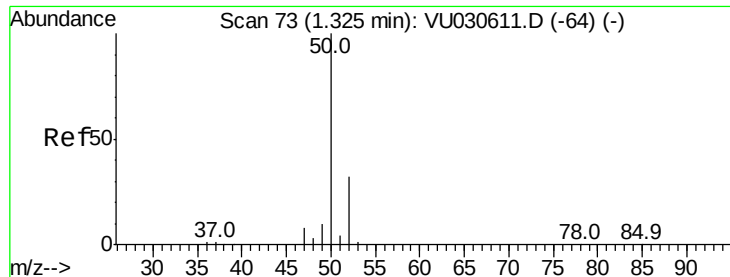
Tgt Ion: 85 Resp: 76974

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.3





#3

Chloromethane

Concen: 5.482 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 87859

Ion Ratio Lower Upper

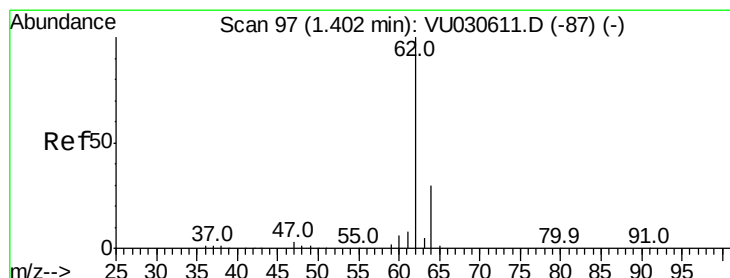
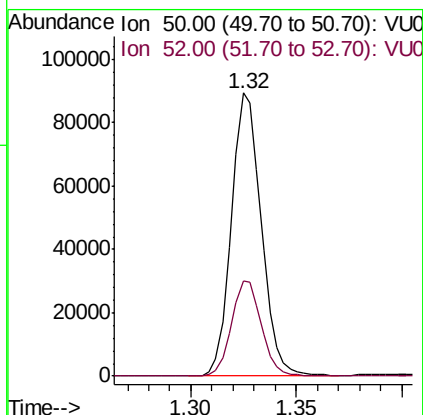
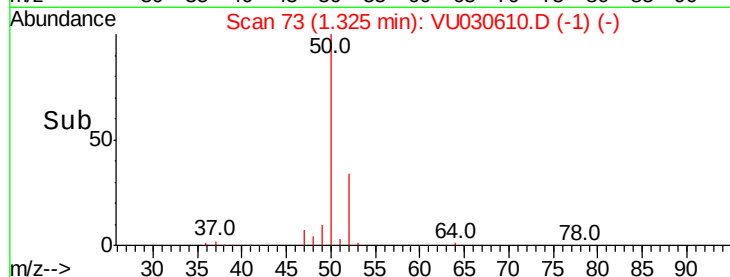
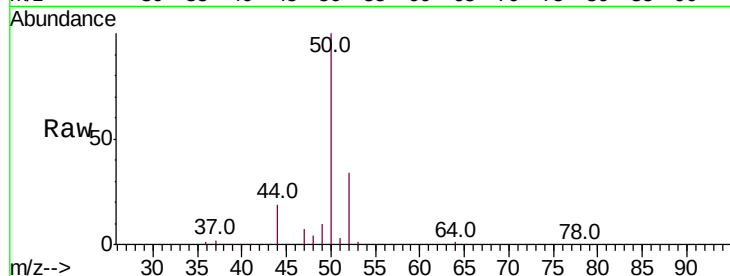
50 100

52 33.7 25.5 38.3

Manual Integrations
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4/3/2019 11:44:12 AM



#4

Vinyl Chloride

Concen: 6.074 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030610.D

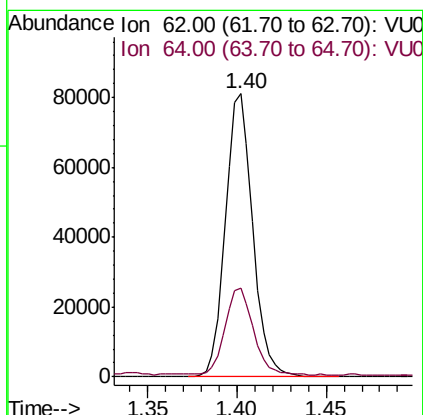
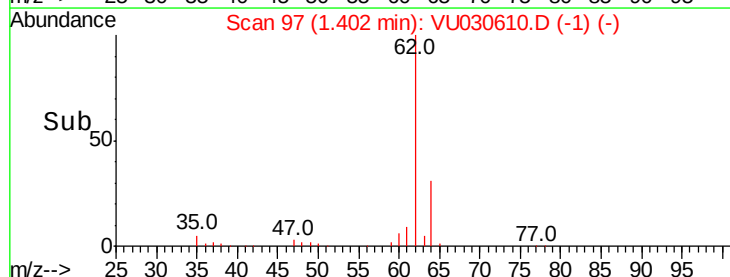
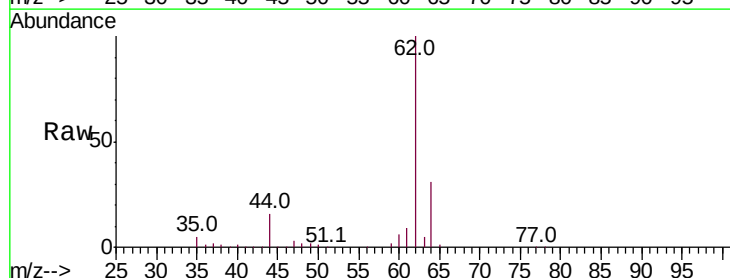
Acq: 02 Apr 2019 19:25

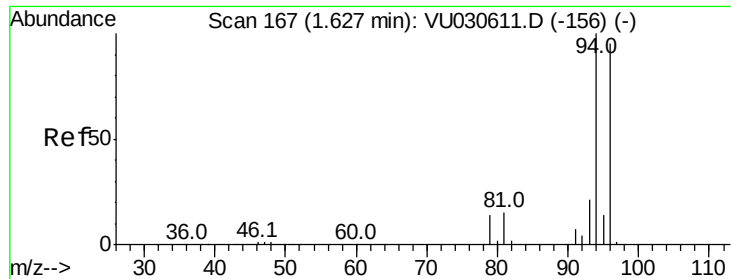
Tgt Ion: 62 Resp: 85956

Ion Ratio Lower Upper

62 100

64 30.6 24.3 36.5





#5

Bromomethane

Concen: 4.774 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 37222

Ion Ratio Lower Upper

94 100

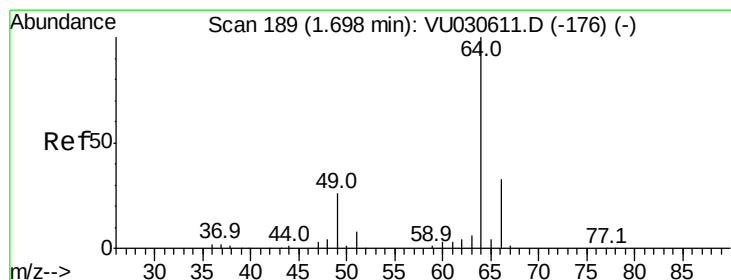
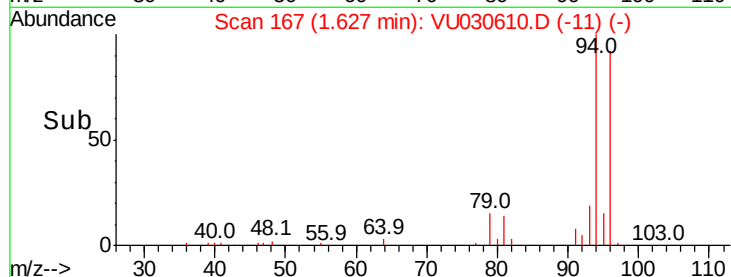
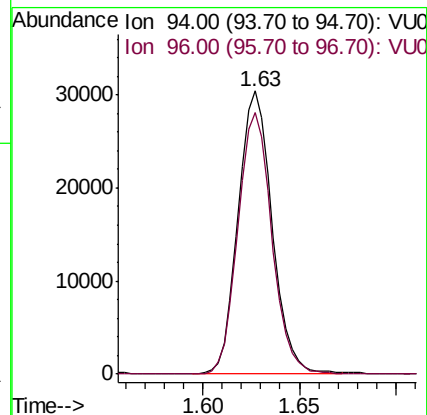
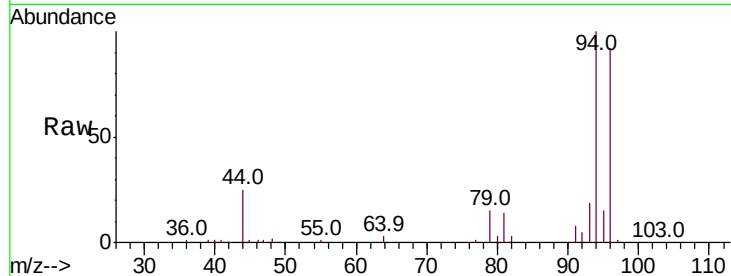
96 92.4 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 6.019 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030610.D

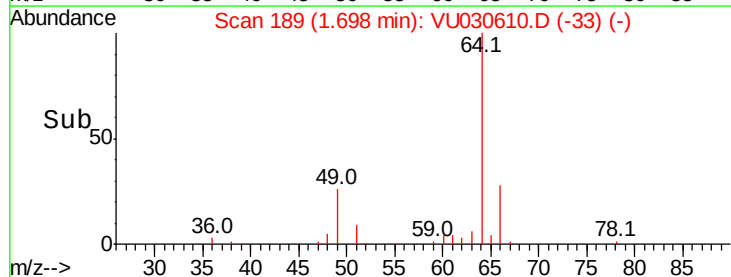
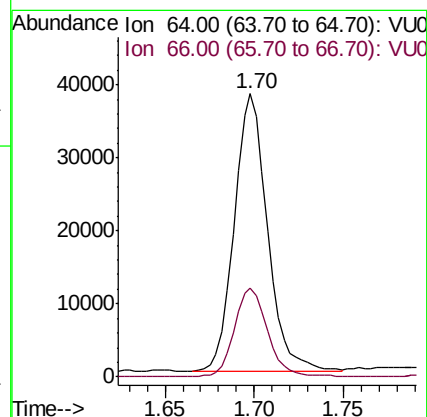
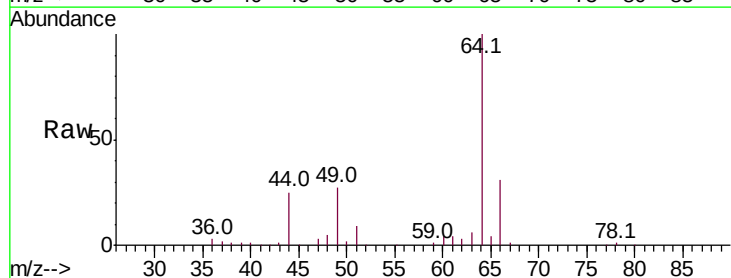
Acq: 02 Apr 2019 19:25

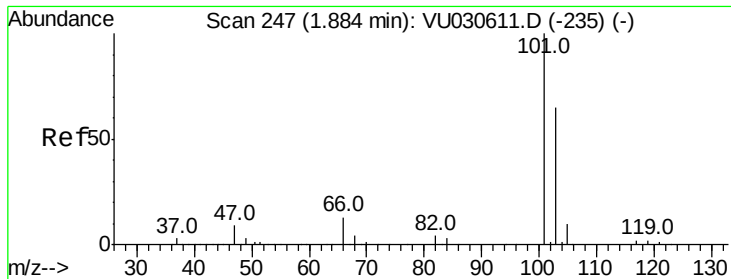
Tgt Ion: 64 Resp: 48834

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.2





#7

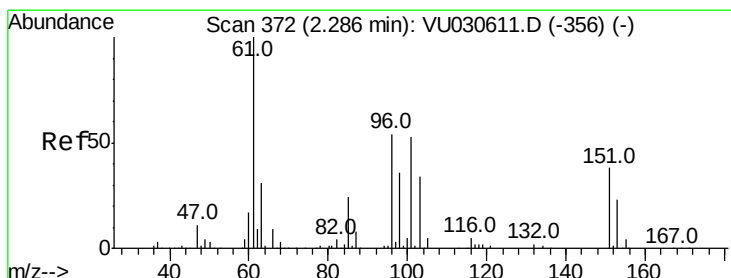
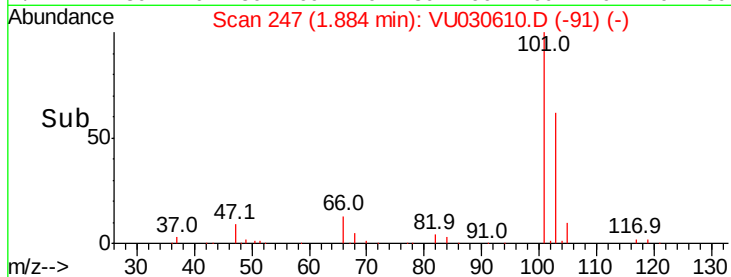
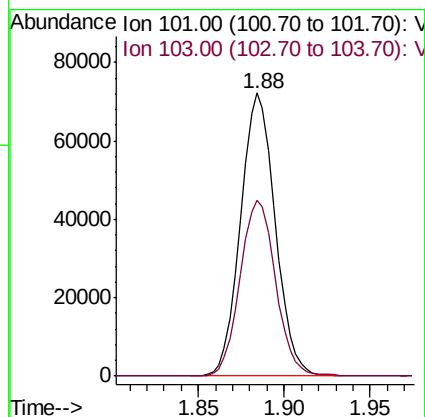
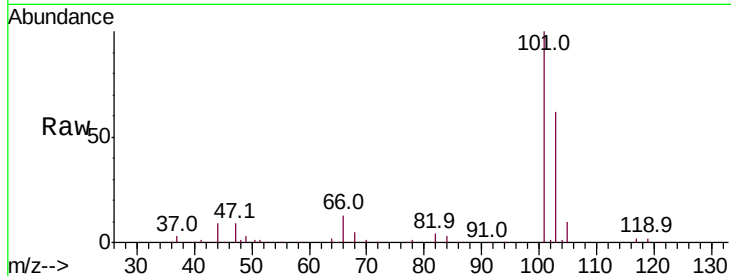
Trichlorofluoromethane
Concen: 5.610 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		101320		
103	62.3	51.8	77.6		

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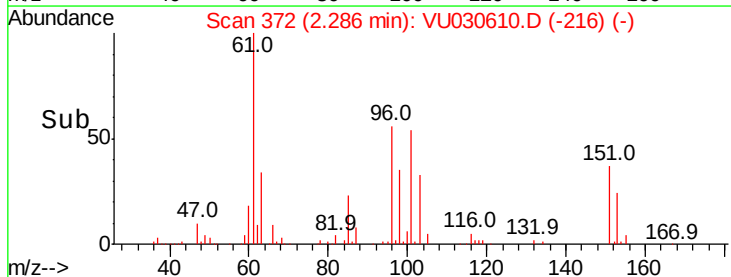
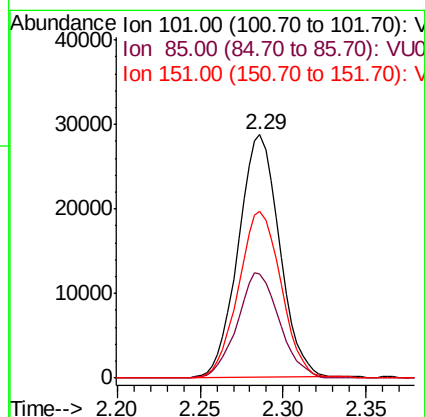
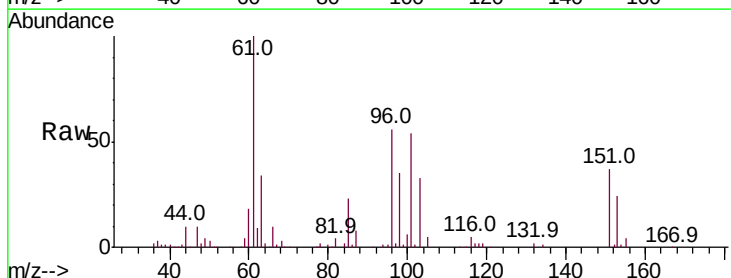
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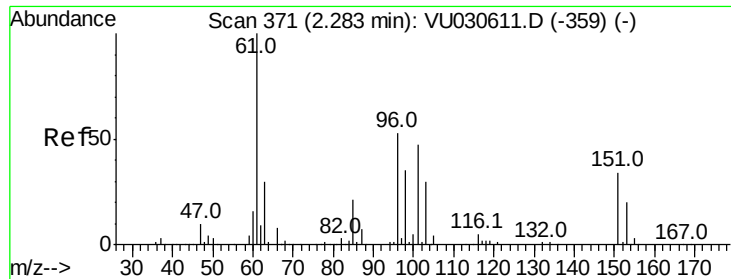


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.154 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		49826		
85	44.4	36.5	54.7		
151	70.3	55.7	83.5		





#9

1,1-Dichloroethene

Concen: 5.223 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

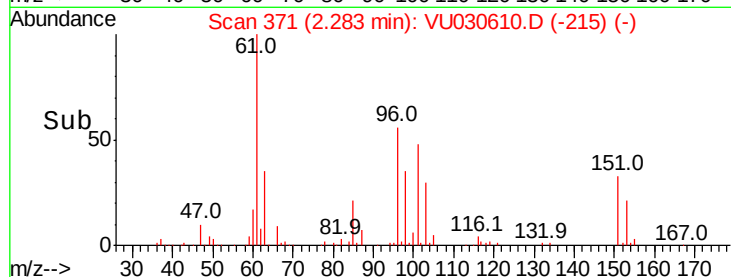
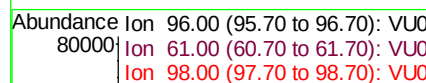
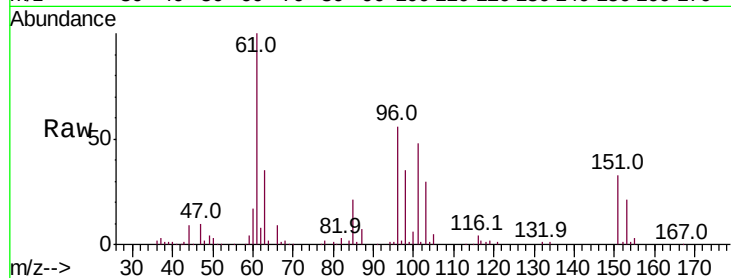
VSTDIC005

Tot Ion:	96	Resp:	49809
Ion Ratio	Lower	Upper	
96	100		
61	179.4	0.0	564.0
98	63.3	0.0	132.2

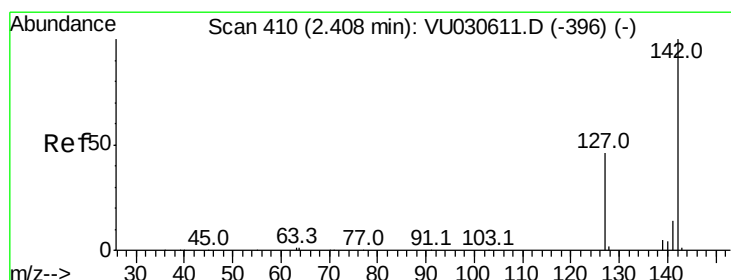
Manual Integrations
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MMDadoda

4/3/2019 11:44:12 AM



Time-->



#10

Iodomethane

Concen: 7.192 ug/l

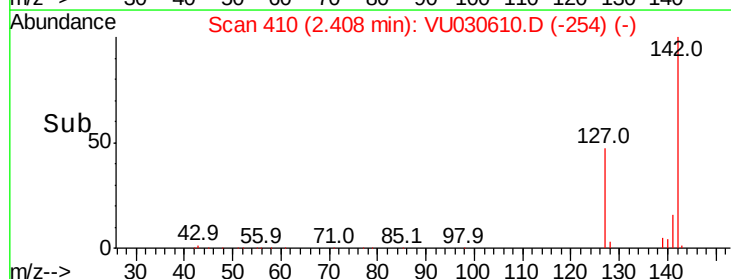
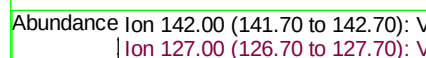
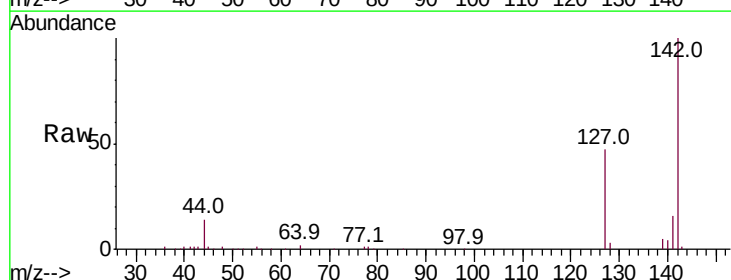
RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

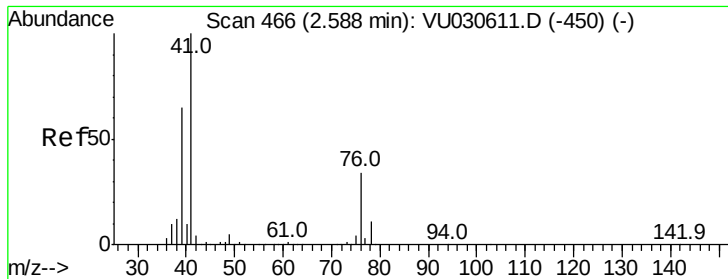
Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Tgt Ion:	142	Resp:	64125
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.9	55.3



Time-->



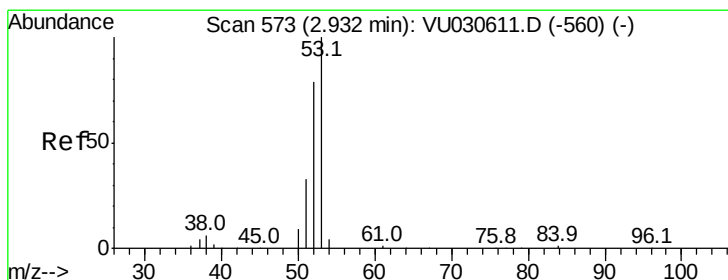
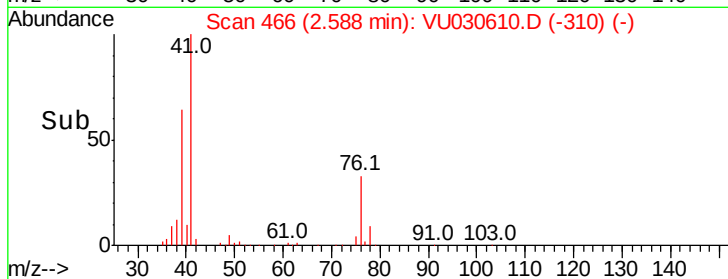
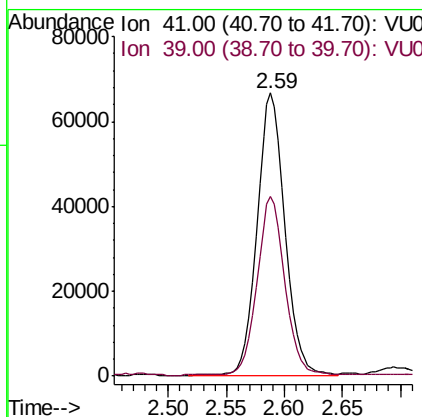
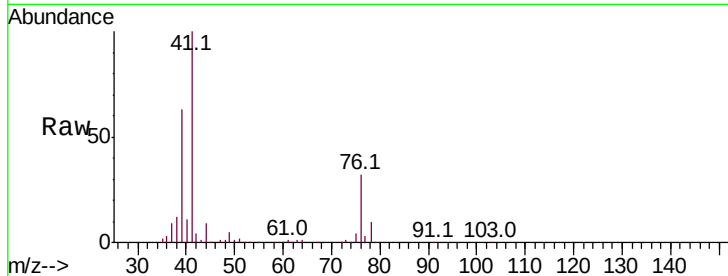
#11
Allvl Chloride
Concen: 7.533 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 111723
Ion Ratio Lower Upper
41 100
39 62.5 52.2 78.4

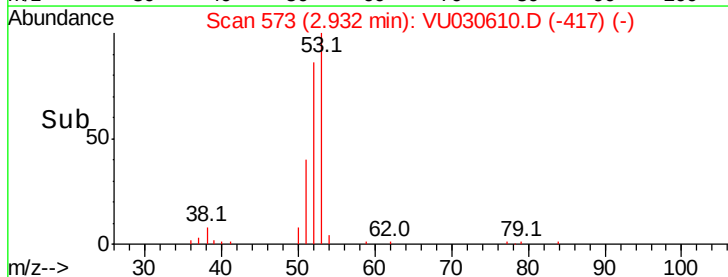
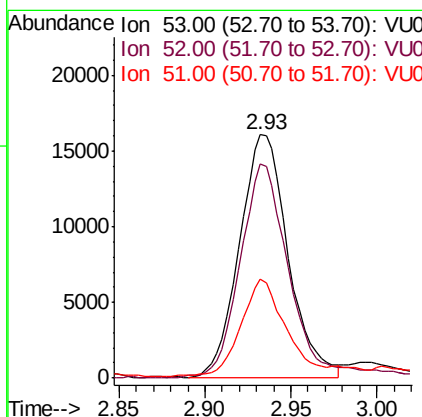
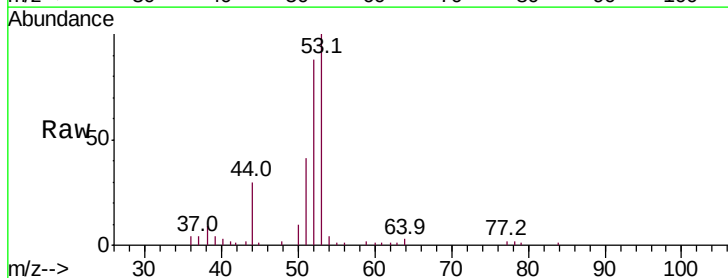
Manual Integrations
APPROVED

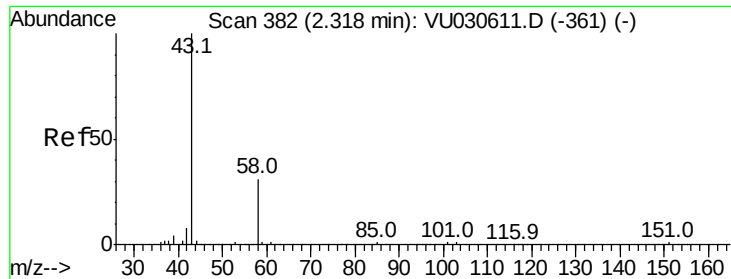
MMDadoda
4/3/2019 11:44:12 AM



#12
Acrylonitrile
Concen: 14.078 ug/l
RT: 2.93 min Scan# 573
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion: 53 Resp: 31649
Ion Ratio Lower Upper
53 100
52 90.0 66.2 99.2
51 36.0 27.3 40.9





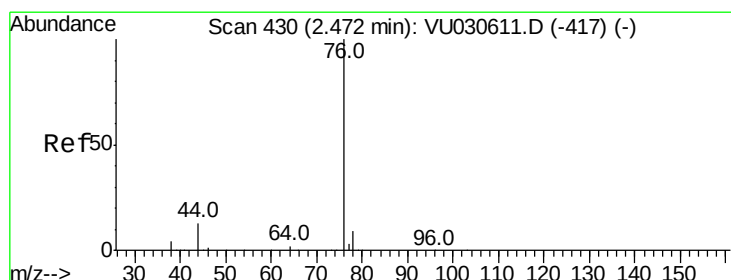
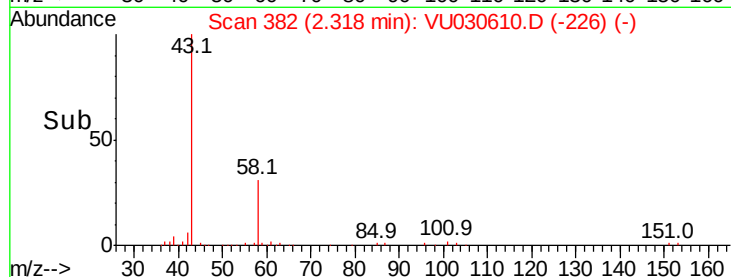
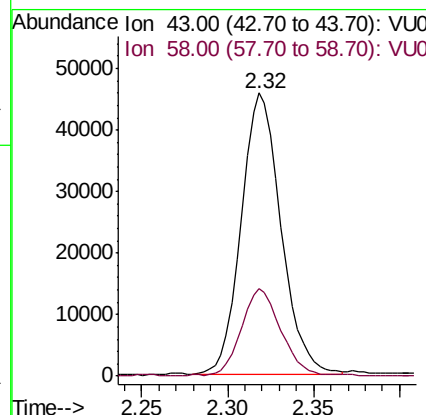
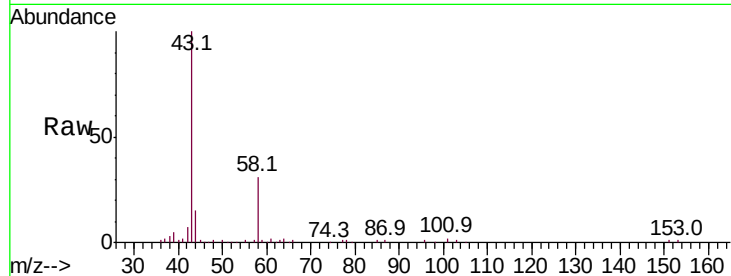
#13
Acetone
Concen: 36.882 ug/l
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 73146
Ion Ratio Lower Upper
43 100
58 30.7 24.7 37.1

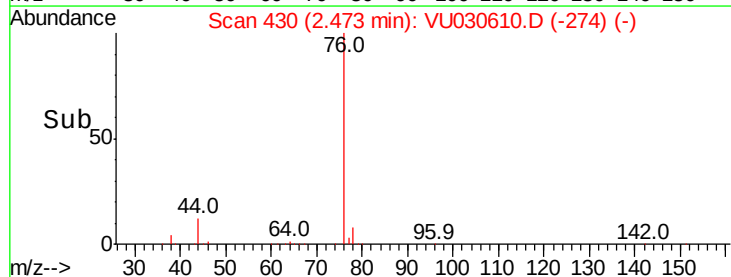
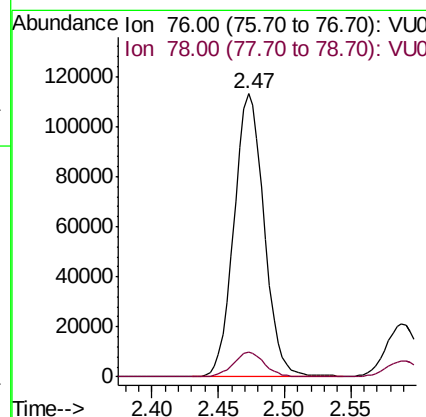
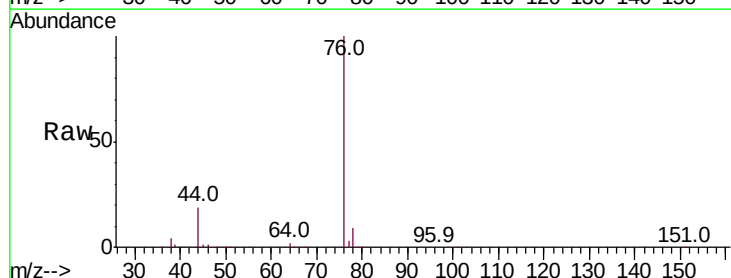
Manual Integrations
APPROVED

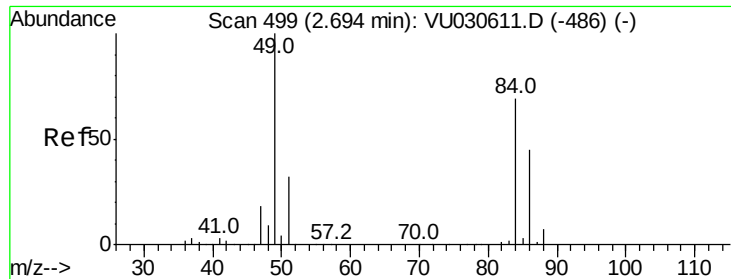
MMDadoda
4/3/2019 11:44:12 AM



#14
Carbon Disulfide
Concen: 5.343 ug/l
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion: 76 Resp: 178609
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0





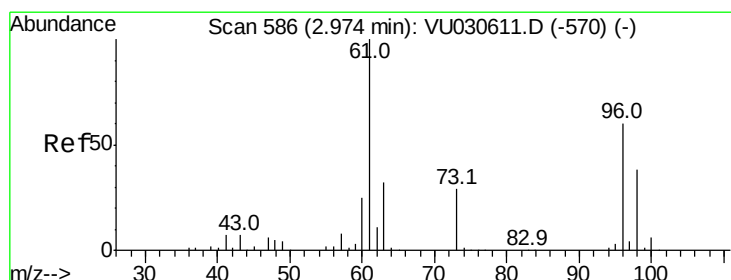
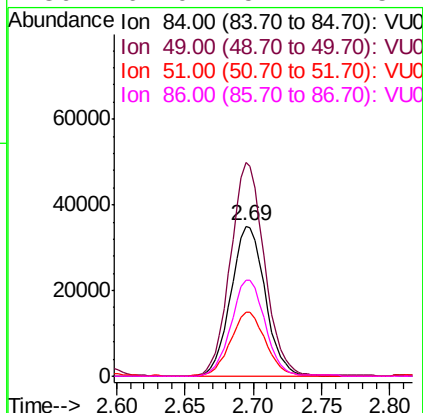
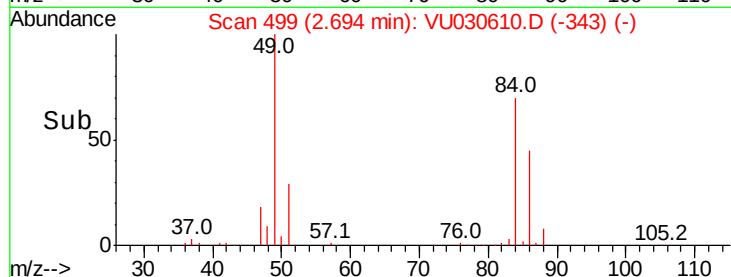
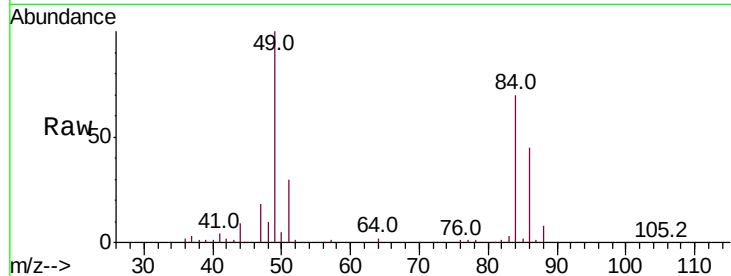
#15
Methylene Chloride
Concen: 5.348 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	84	Resp:	61277
Ion	Ratio	Lower	Upper
84	100		
49	142.5	115.4	173.2
51	42.0	0.0	93.4
86	64.0	52.2	78.4

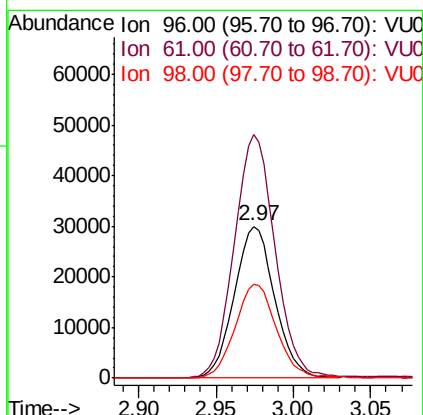
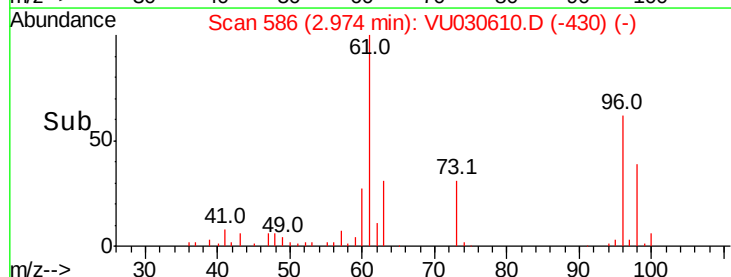
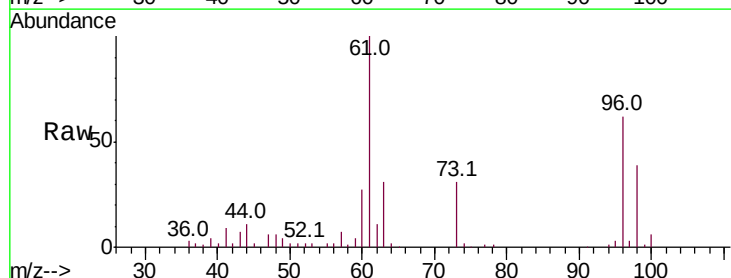
Manual Integrations
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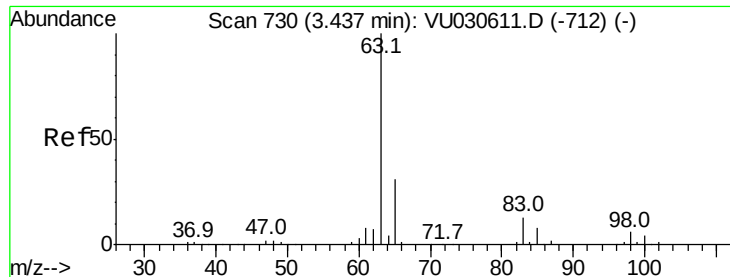
MMDadoda
4/3/2019 11:44:12 AM



#16
trans-1,2-Dichloroethene
Concen: 4.956 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion:	96	Resp:	54289
Ion	Ratio	Lower	Upper
96	100		
61	160.1	132.2	198.4
98	62.0	50.2	75.4





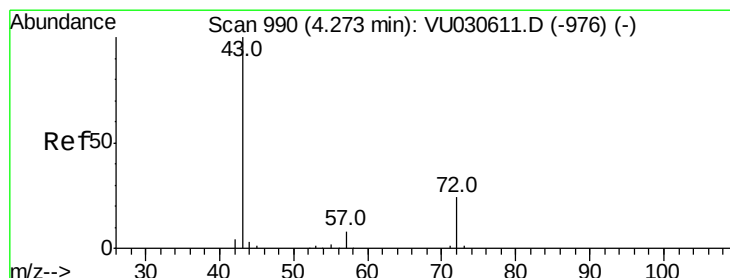
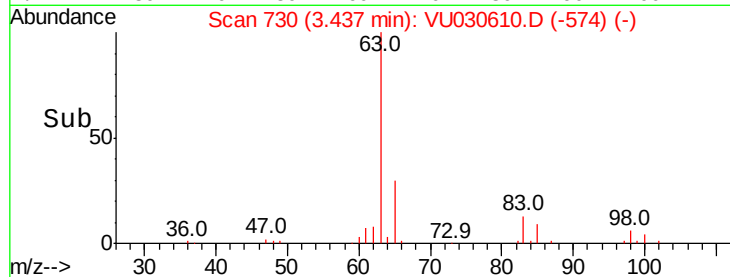
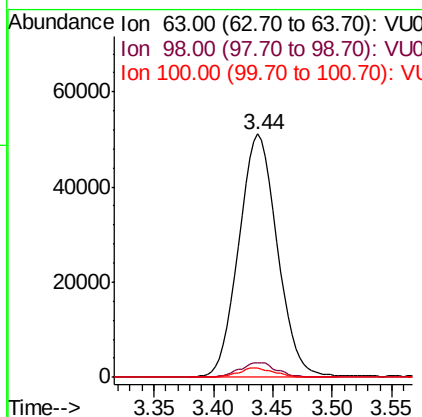
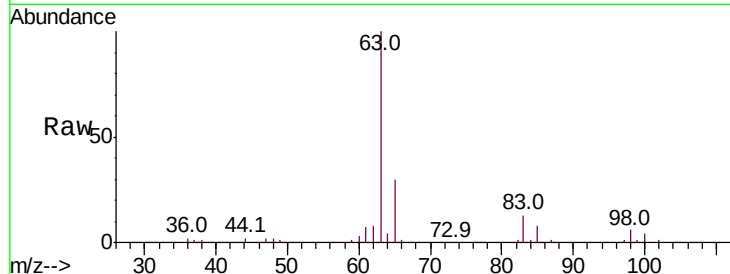
#17
 1,1-Dichloroethane
 Concen: 5.971 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	114848
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.0
100	3.7	2.0	5.8

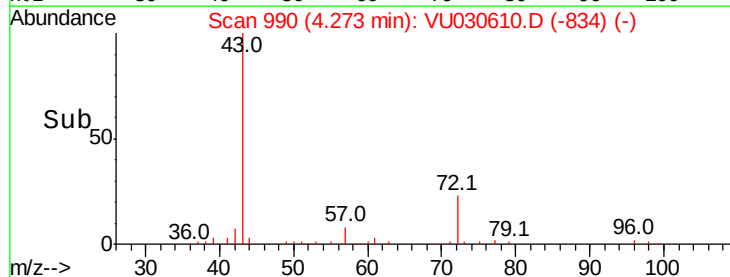
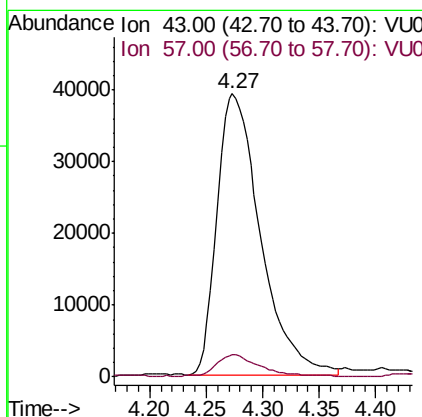
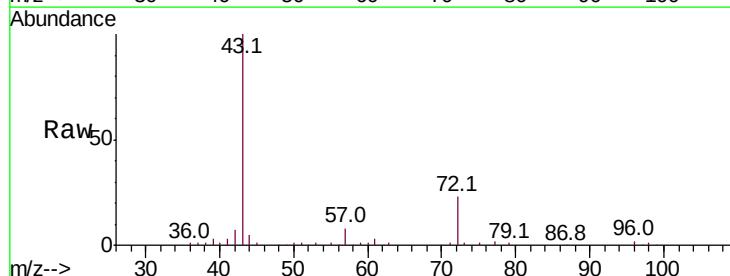
Manual Integrations
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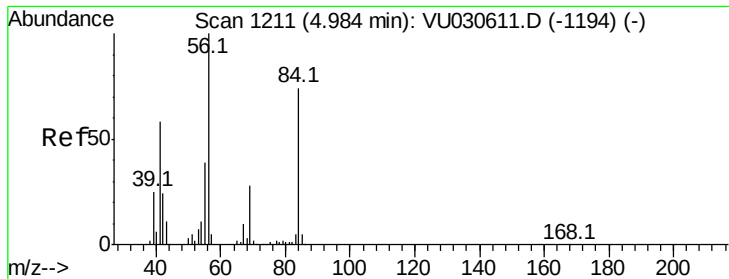
MMDadoda
 4/3/2019 11:44:12 AM



#18
 2-Butanone
 Concen: 37.862 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion:	43	Resp:	104652
Ion	Ratio	Lower	Upper
43	100		
57	8.0	0.0	16.4





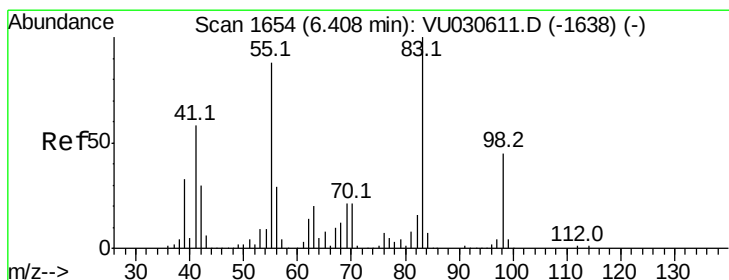
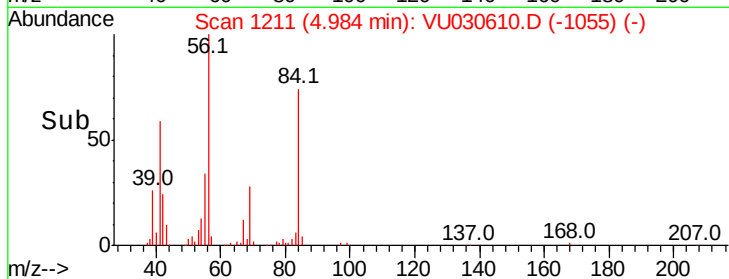
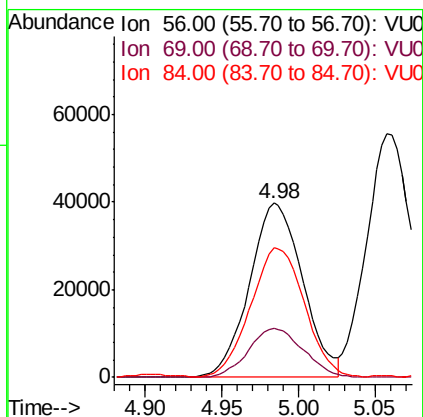
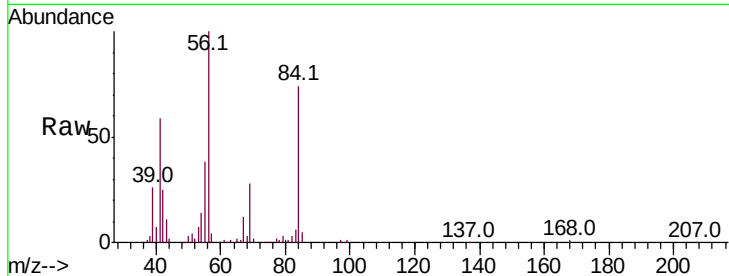
#19
Cyclohexane
Concen: 5.833 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.1	33.1
84	74.3	58.1	87.1

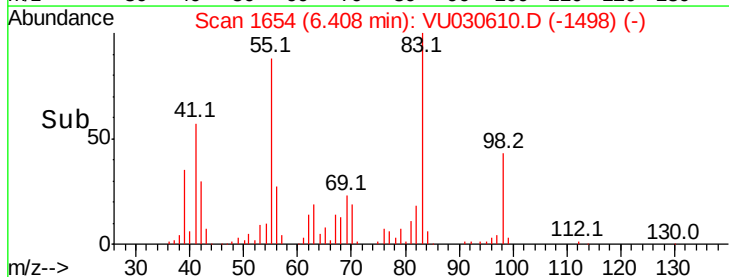
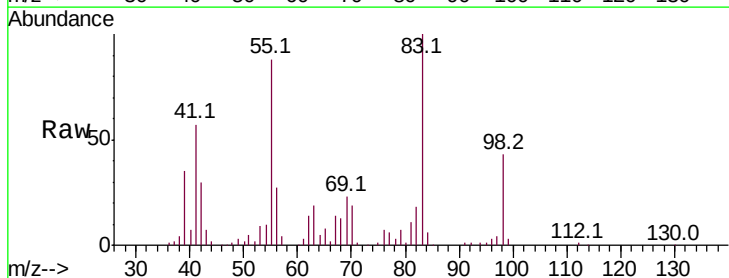
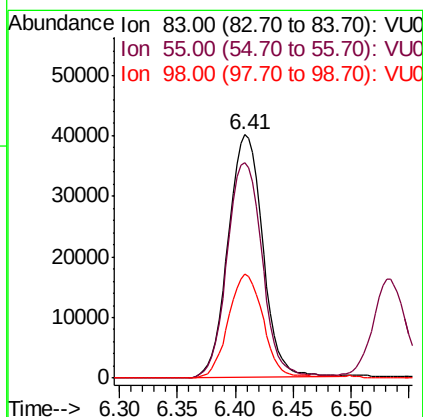
Manual Integrations
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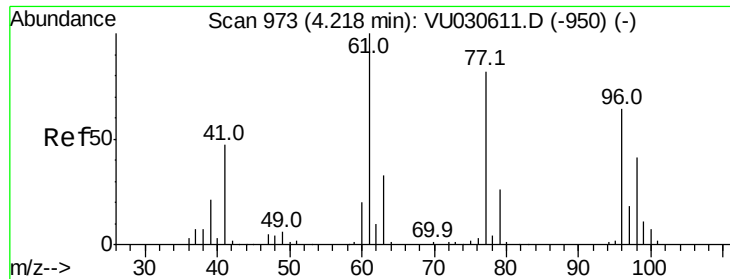
MMDadoda
4/3/2019 11:44:12 AM



#20
Methylcyclohexane
Concen: 4.784 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.3	71.8	107.8
98	43.0	35.5	53.3





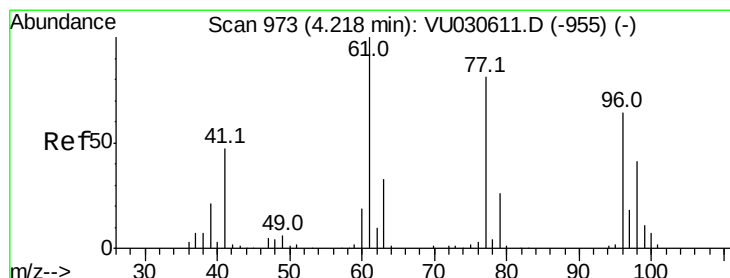
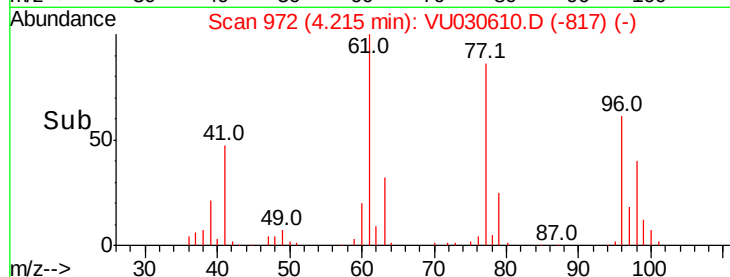
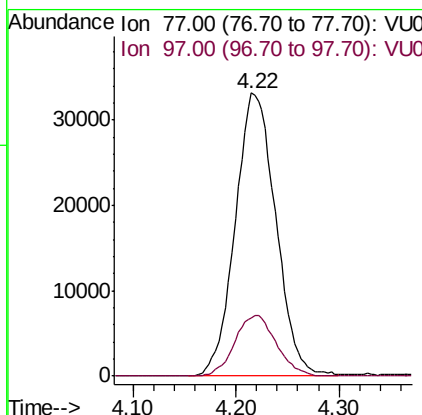
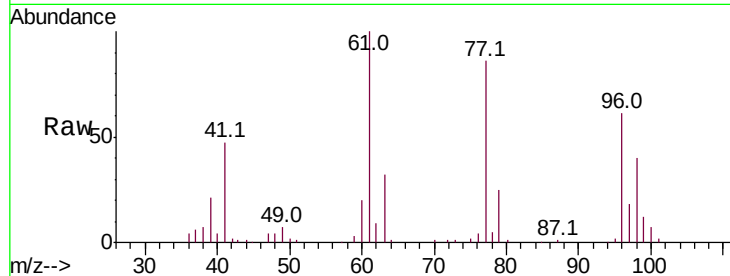
#21
 2,2-Dichloropropane
 Concen: 5.663 ug/l
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 90716
 Ion Ratio Lower Upper
 77 100
 97 21.8 17.4 26.0

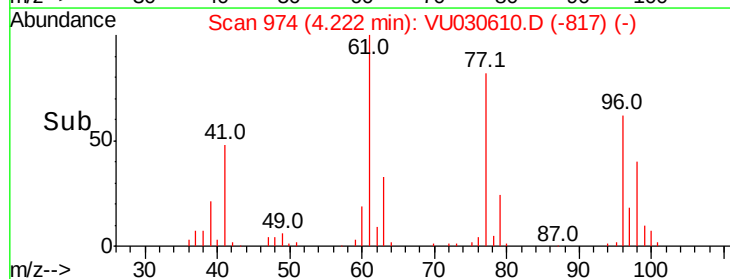
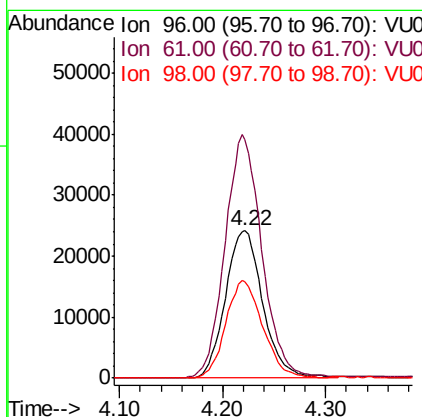
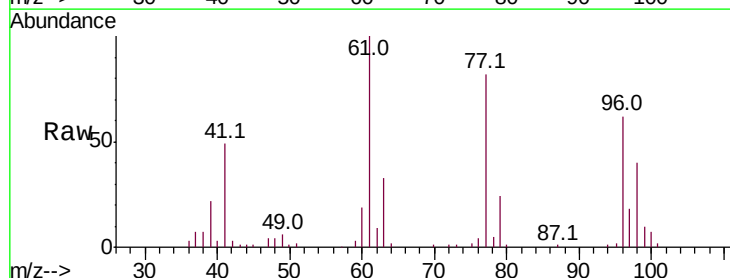
Manual Integrations
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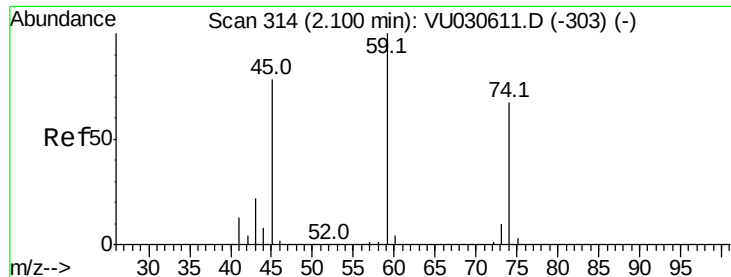
MMDadoda
 4/3/2019 11:44:12 AM



#22
 cis-1,2-Dichloroethene
 Concen: 5.007 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion: 96 Resp: 61021
 Ion Ratio Lower Upper
 96 100
 61 162.9 0.0 406.0
 98 65.5 31.7 95.1





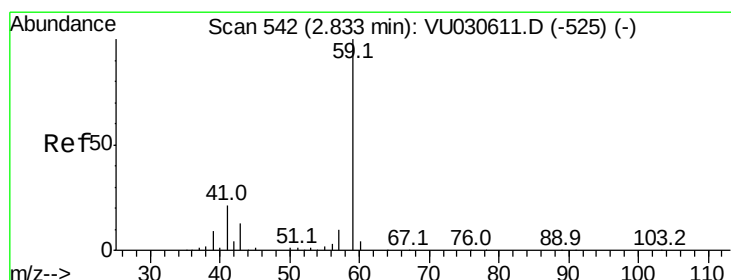
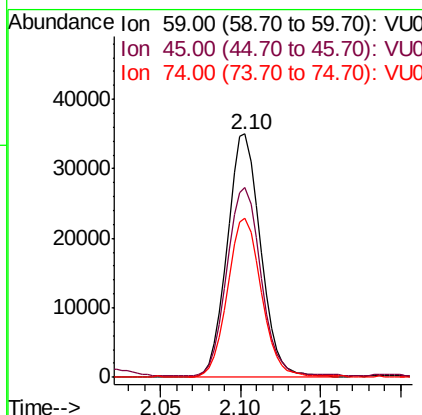
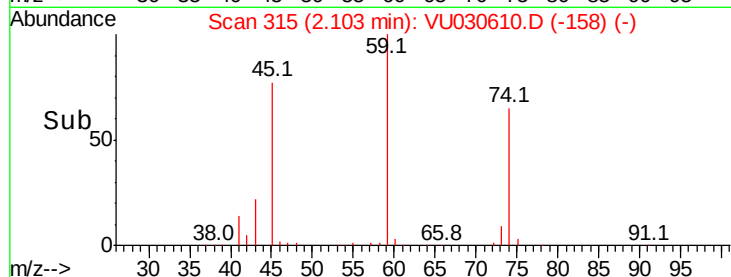
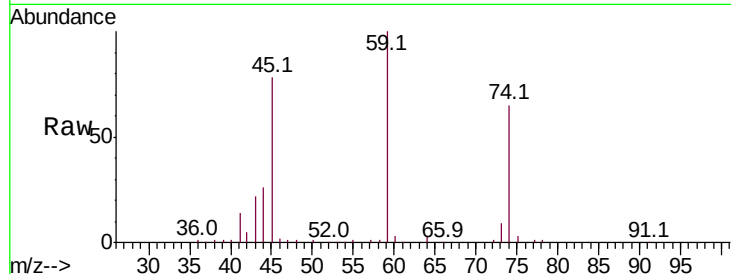
#23
Diethyl Ether
Concen: 6.598 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	59	Resp:	49741
Ion	Ratio	Lower	Upper
59	100		
45	78.9	62.7	94.1
74	66.1	54.3	81.5

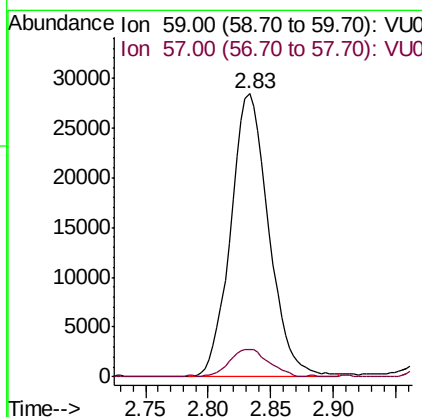
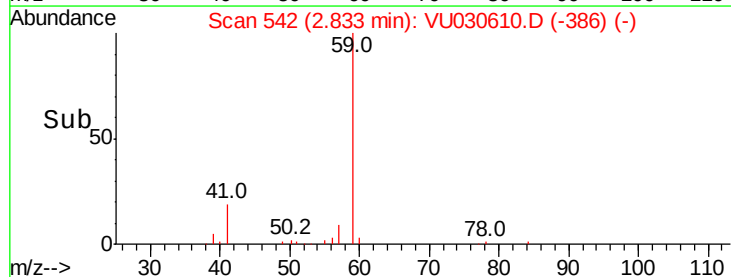
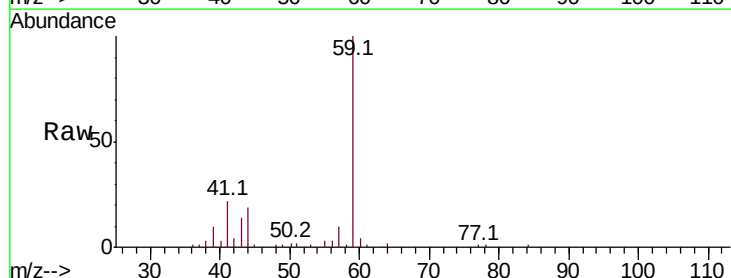
Manual Integrations
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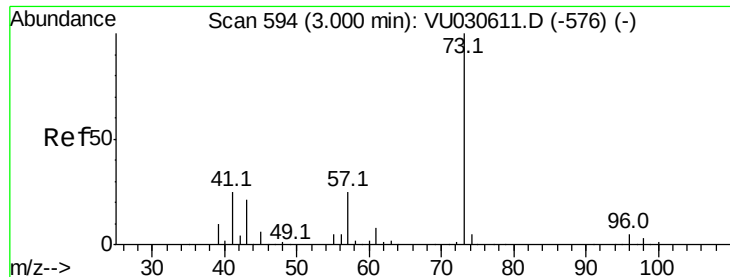
MMDadoda
4/3/2019 11:44:12 AM



#24
tert-Butyl Alcohol
Concen: 71.971 ug/l
RT: 2.83 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion:	59	Resp:	60060
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4





#25

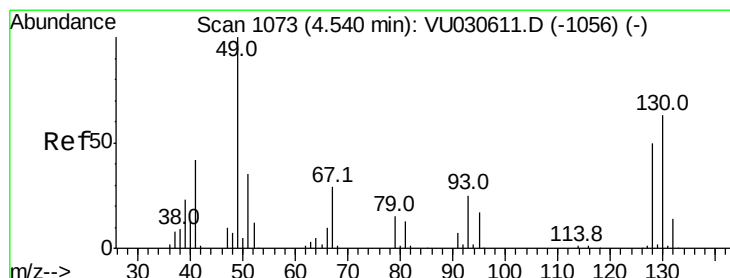
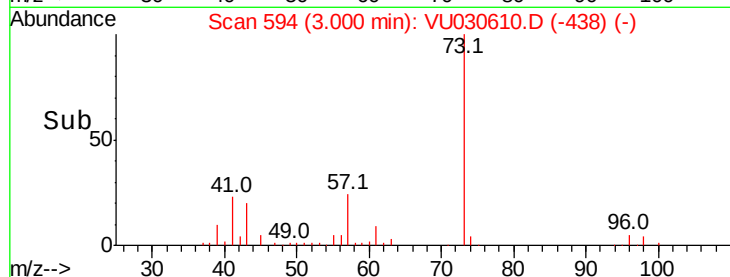
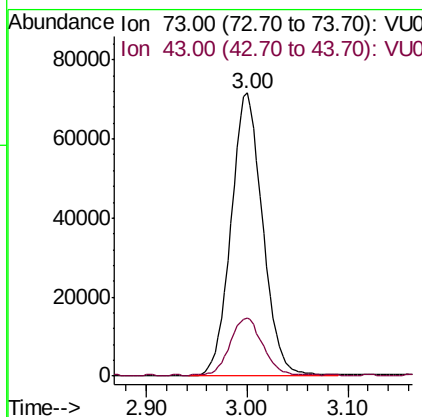
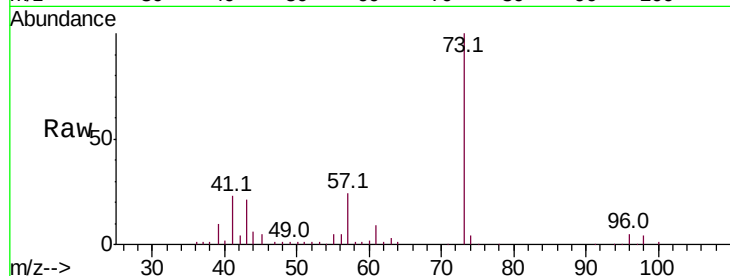
Methyl tert-Butyl Ether
 Concen: 6.257 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.2	17.0	25.6

Manual Integrations
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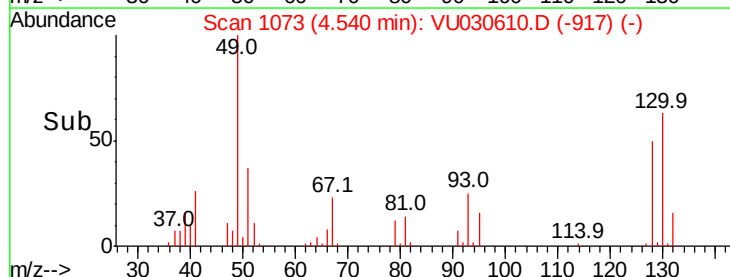
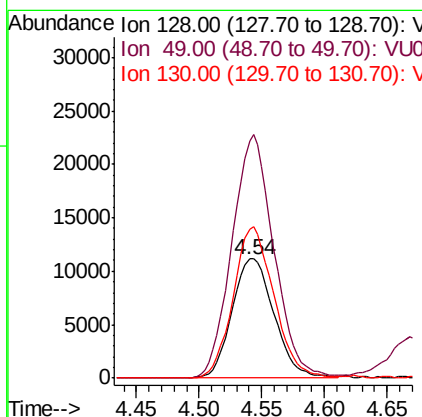
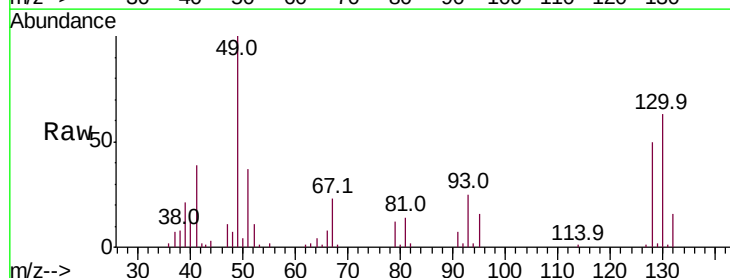
MMDadoda
 4/3/2019 11:44:12 AM

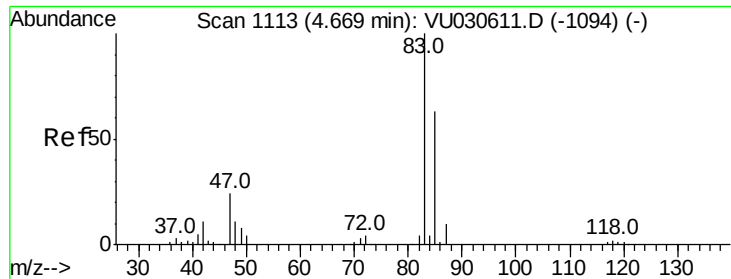


#26

Bromochloromethane
 Concen: 4.903 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion	Ratio	Lower	Upper
128	100		
49	204.4	0.0	404.8
130	123.3	100.2	150.2





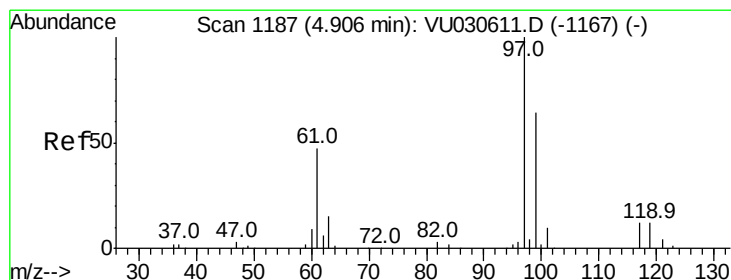
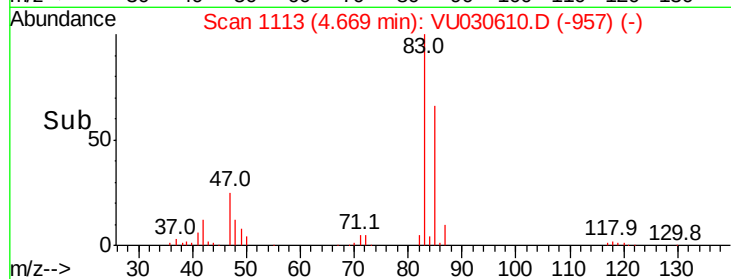
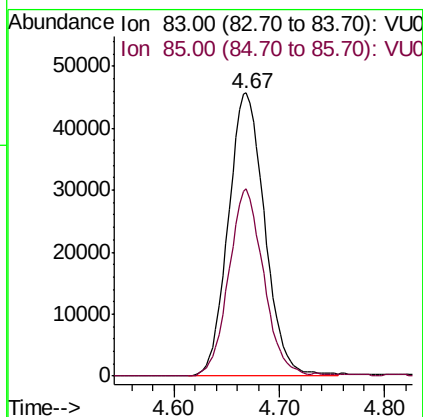
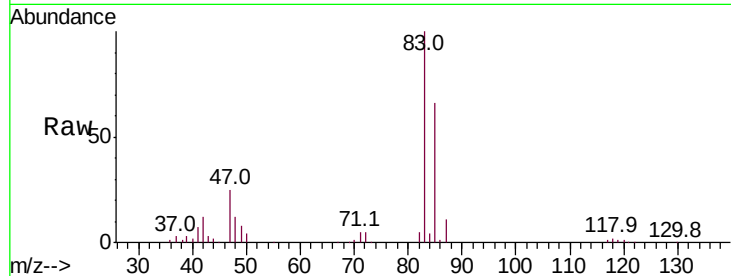
#27
Chloroform
Concen: 5.505 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	83	85	Ratio	100	66.2	Resp	Lower	Upper
83	100							
85		66.2				0.0	126.0	

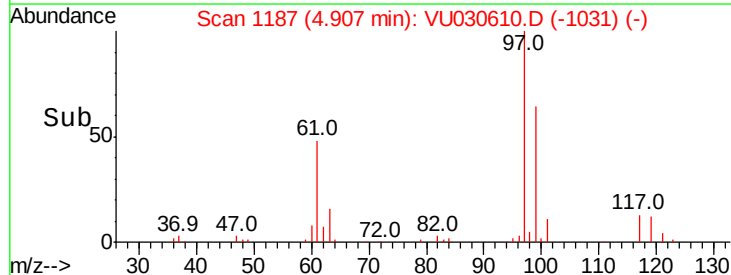
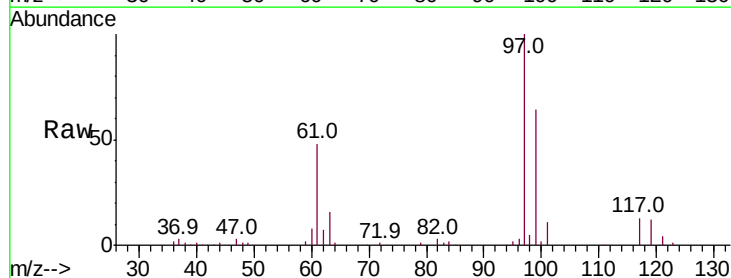
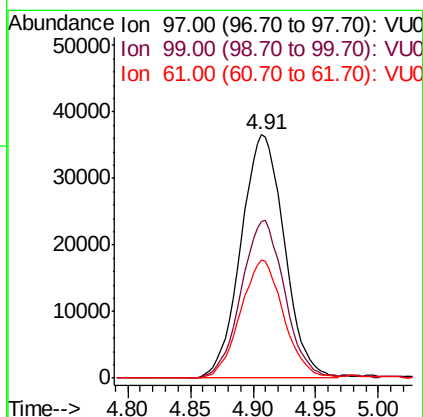
Manual Integrations
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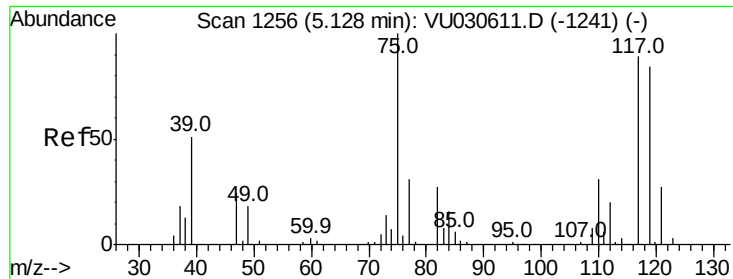
MMDadoda
4/3/2019 11:44:12 AM



#28
1,1,1-Trichloroethane
Concen: 5.416 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion	97	99	61	Ratio	100	64.7	48.0	Resp	Lower	Upper
97	100									
99		64.7				31.9	95.9			
61		48.0				23.4	70.0			





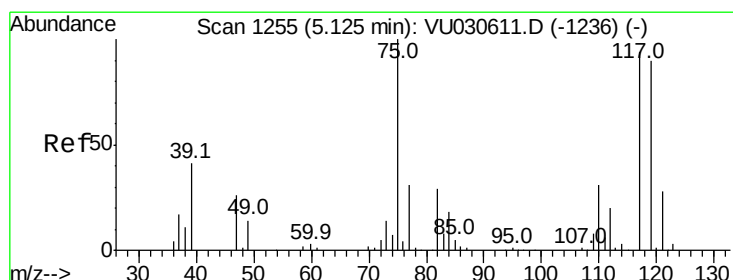
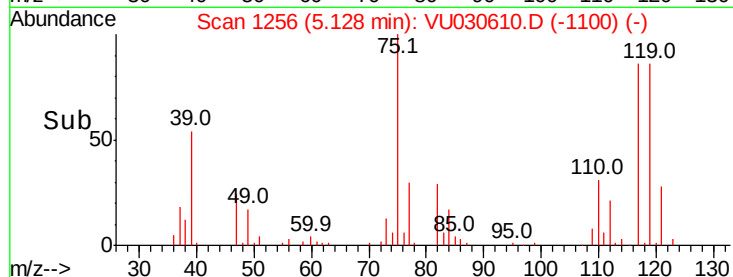
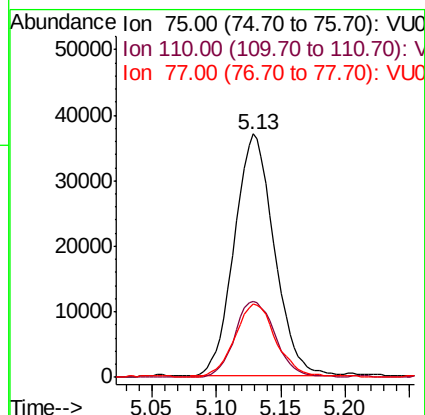
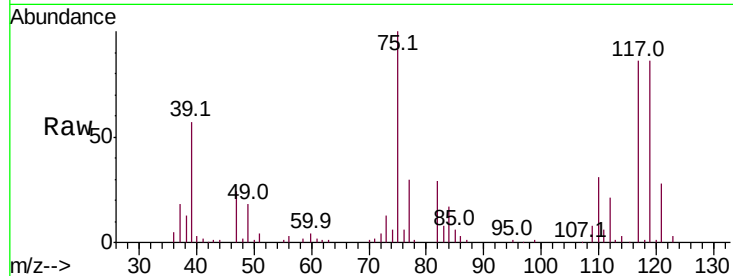
#29
1,1-Dichloropropene
Concen: 5.394 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.2	48.5
77	31.4	24.6	36.8

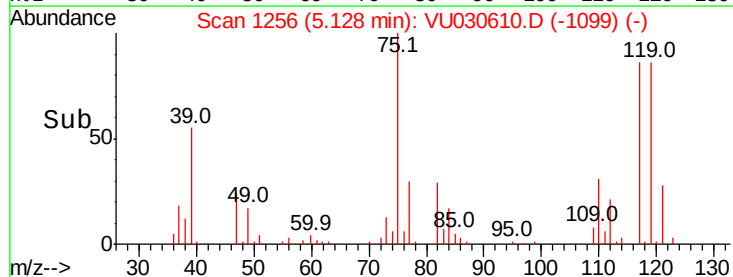
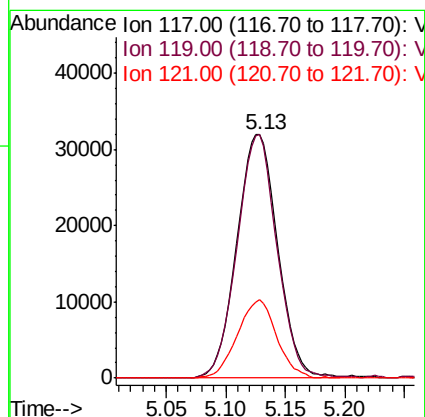
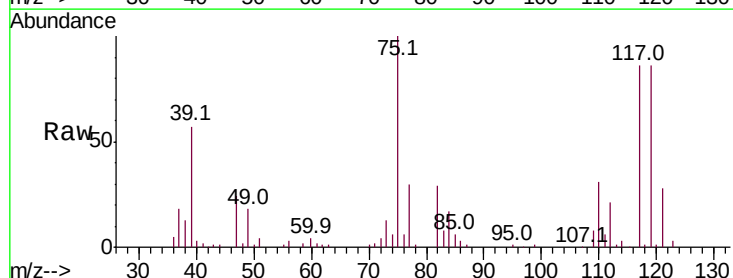
Manual Integrations
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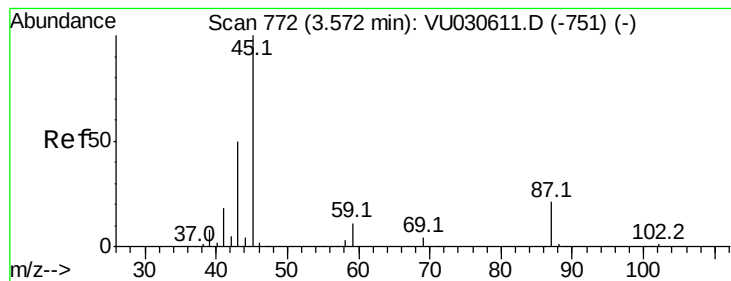
MMDadoda
4/3/2019 11:44:12 AM



#30
Carbon Tetrachloride
Concen: 5.241 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	75.9	113.9
121	32.0	24.2	36.2





#31

Isopropyl Ether

Concen: 6.695 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 45 Resp: 188531

Ion Ratio Lower Upper

45 100

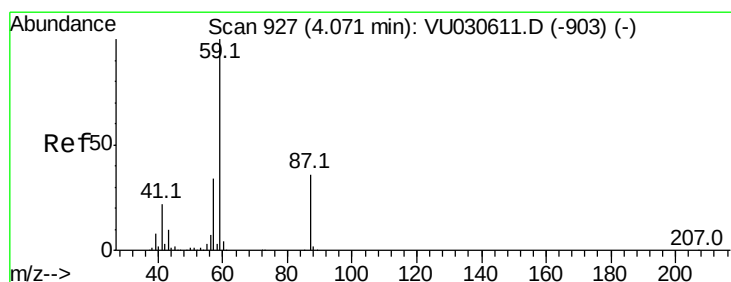
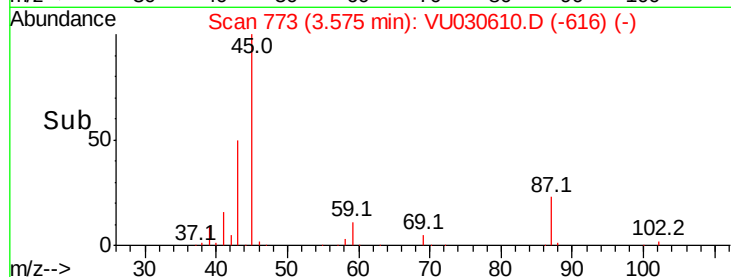
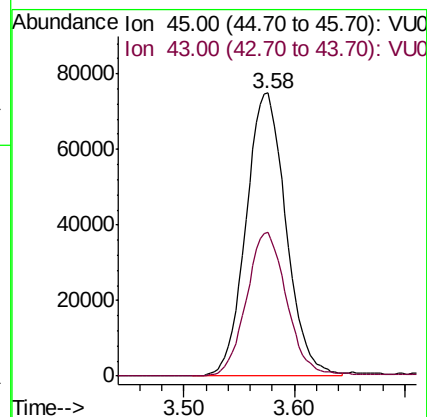
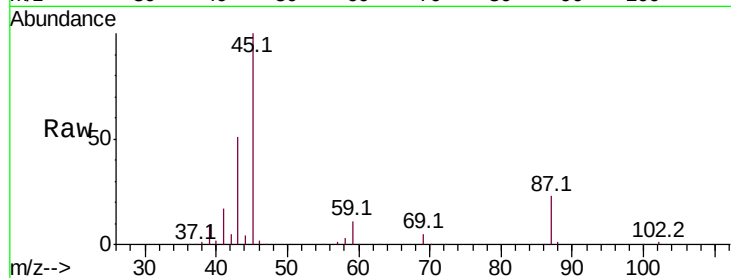
43 51.7 25.0 75.0

Manual Integrations

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4/3/2019 11:44:12 AM



#32

Ethyl-t-butyl ether

Concen: 5.789 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU030610.D

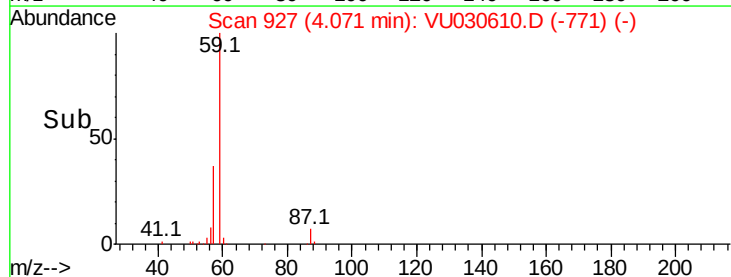
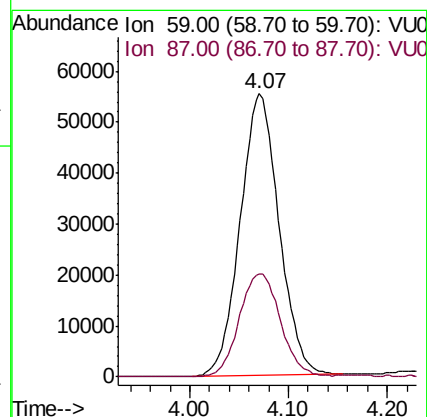
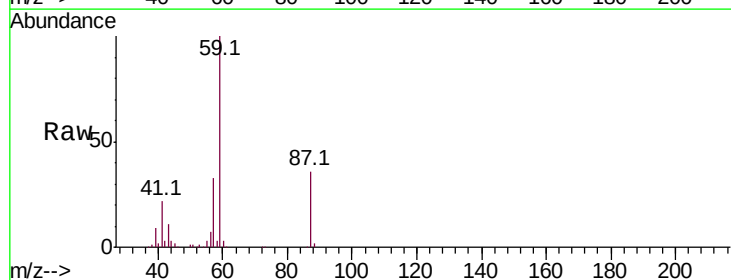
Acq: 02 Apr 2019 19:25

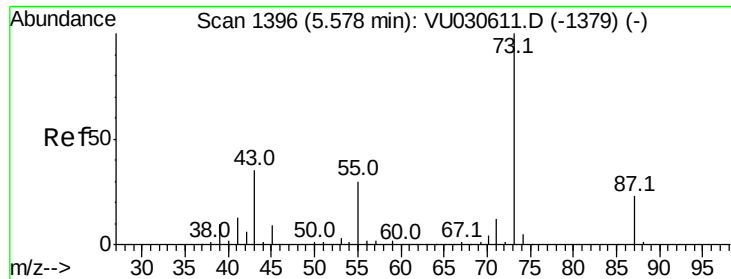
Tgt Ion: 59 Resp: 150956

Ion Ratio Lower Upper

59 100

87 38.3 29.5 44.3





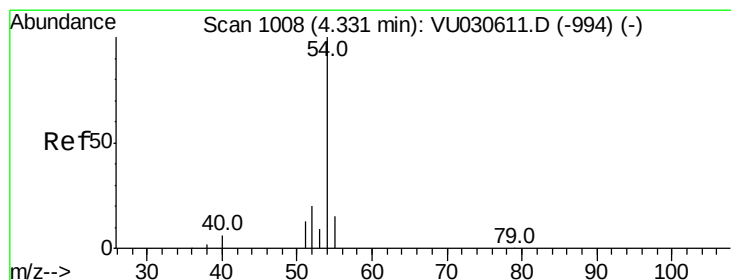
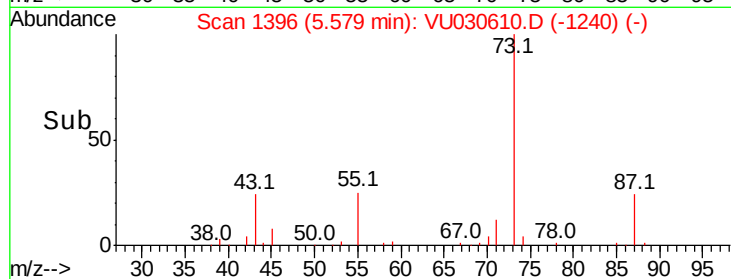
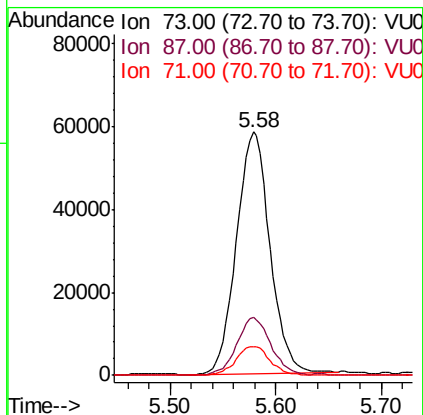
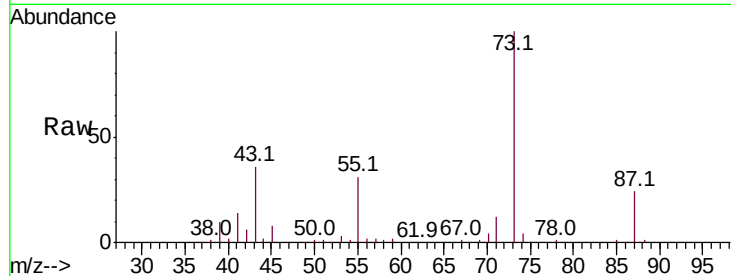
#33
Tert-Butyl methyl ether
Concen: 5.493 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	73	Resp	128587
Ion	Ratio	Lower	Upper
73	100		
87	23.9	18.7	28.1
71	12.2	9.4	14.0

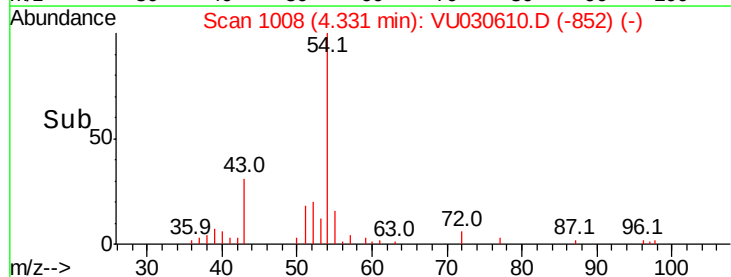
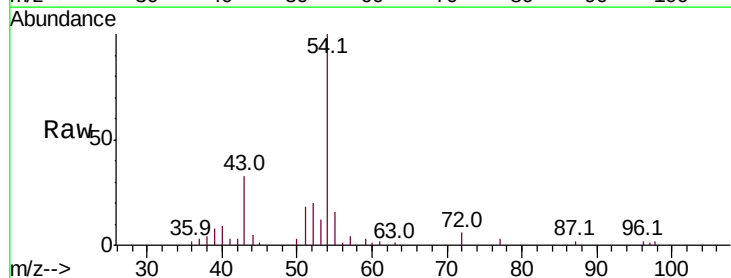
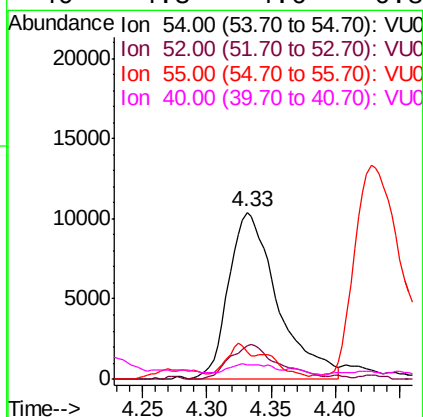
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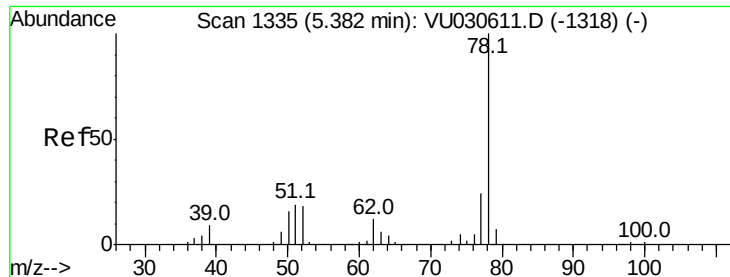
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4/3/2019 11:44:12 AM



#34
Propionitrile
Concen: 36.340 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion	54	Resp	27443
Ion	Ratio	Lower	Upper
54	100		
52	20.1	15.3	22.9
55	8.3	11.4	17.0#
40	4.3	4.6	6.8#





#35

Benzene

Concen: 5.414 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 234178

Ion Ratio Lower Upper

78 100

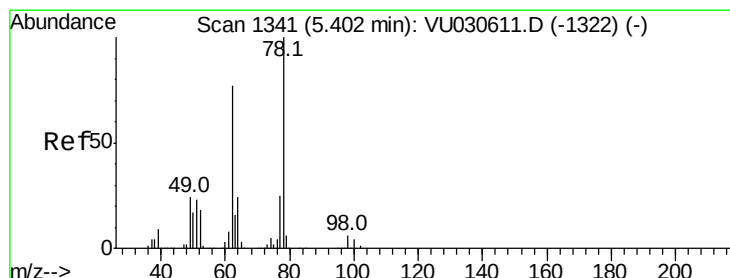
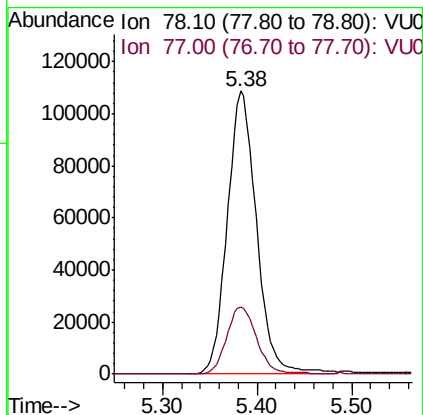
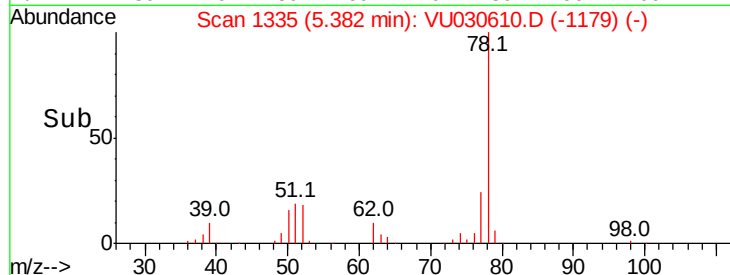
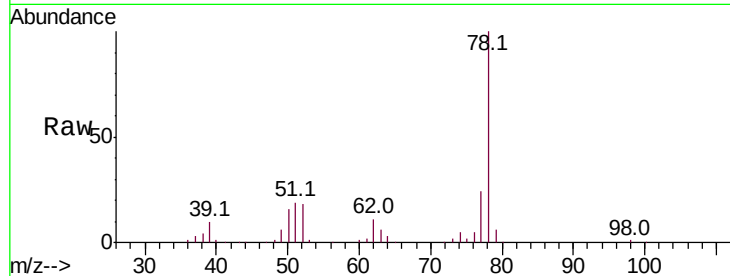
77 23.5 19.4 29.2

Manual Integrations

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4/3/2019 11:44:12 AM



#36

1,2-Dichloroethane

Concen: 6.215 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030610.D

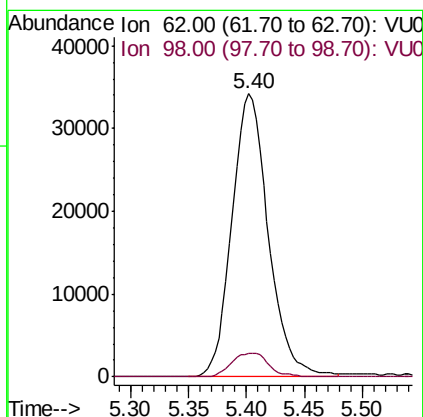
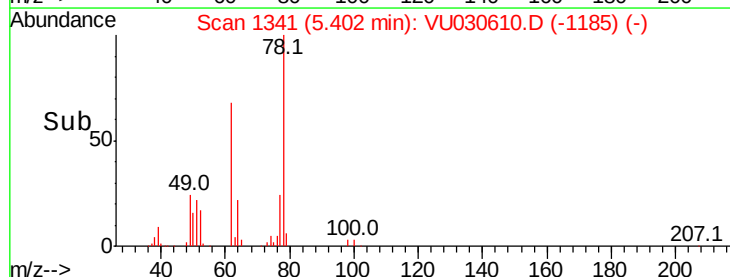
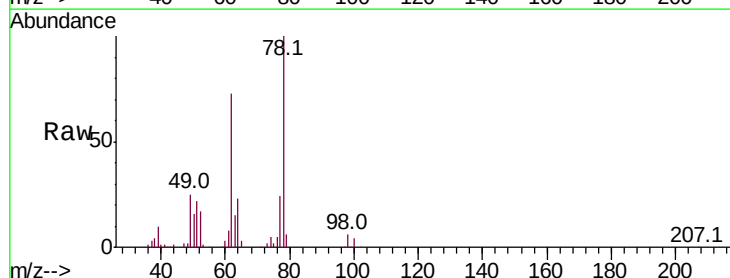
Acq: 02 Apr 2019 19:25

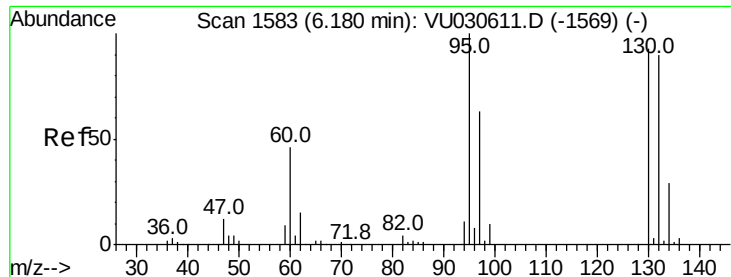
Tgt Ion: 62 Resp: 74635

Ion Ratio Lower Upper

62 100

98 8.5 6.5 9.7





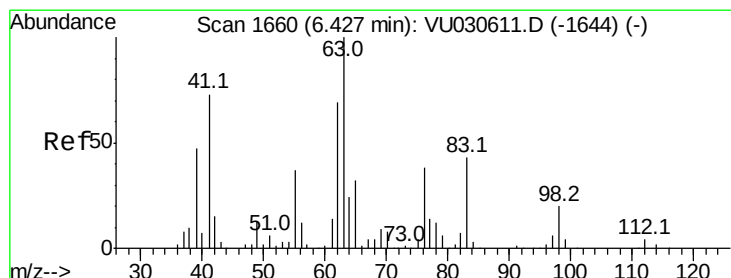
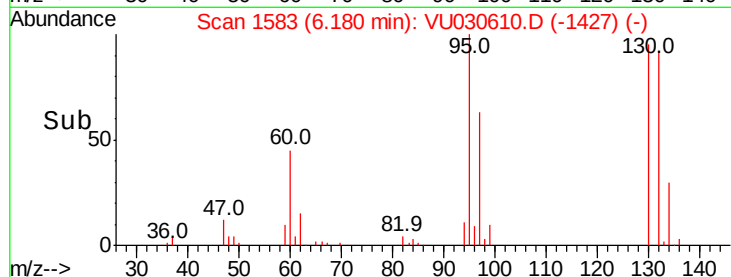
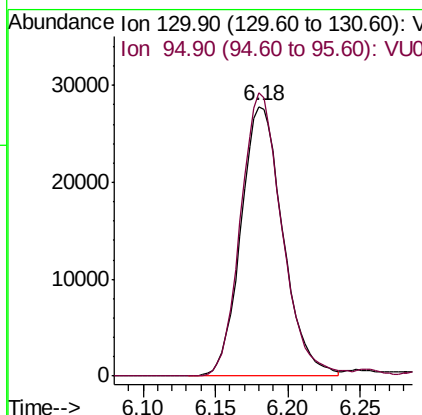
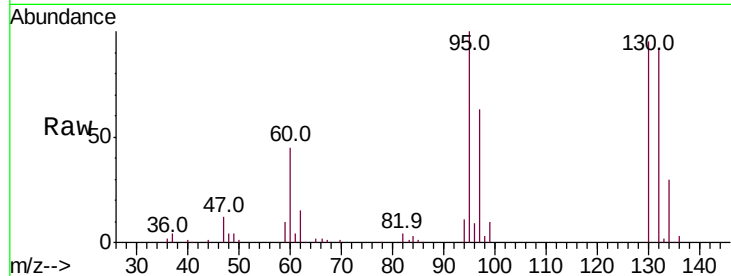
#37
 Trichloroethene
 Concen: 4.643 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 56155
 Ion Ratio Lower Upper
 130 100
 95 105.1 85.7 128.5

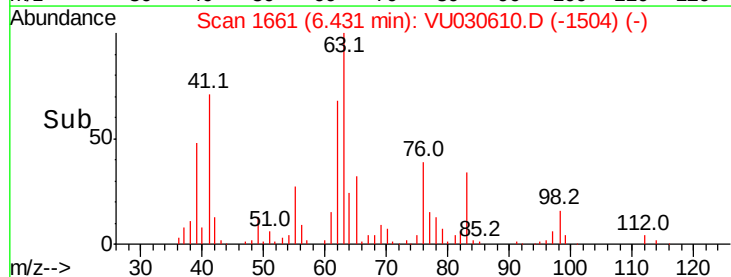
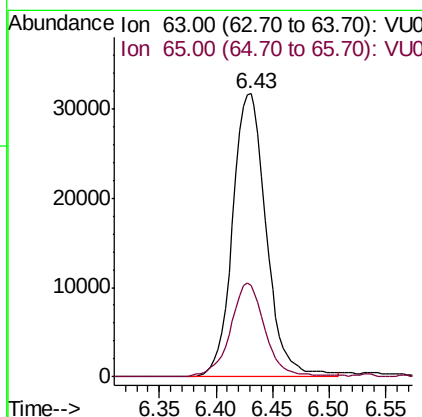
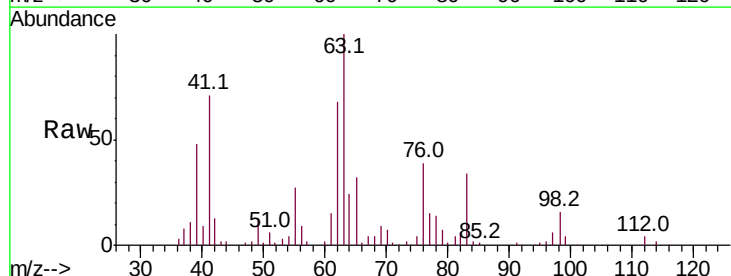
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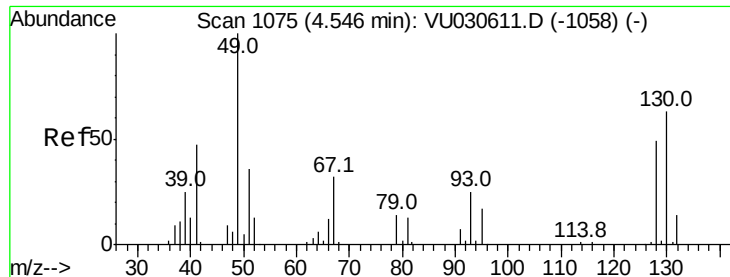
MMDadoda
 4/3/2019 11:44:12 AM



#38
 1,2-Dichloropropane
 Concen: 5.839 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion: 63 Resp: 65735
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.5 38.3





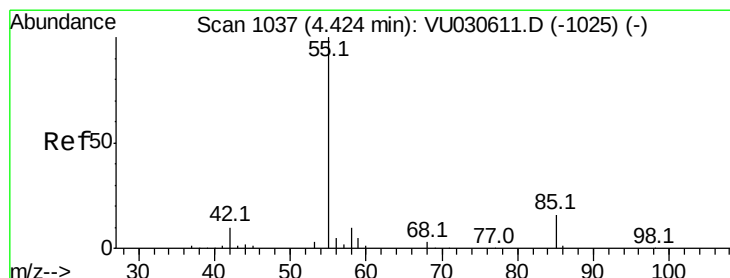
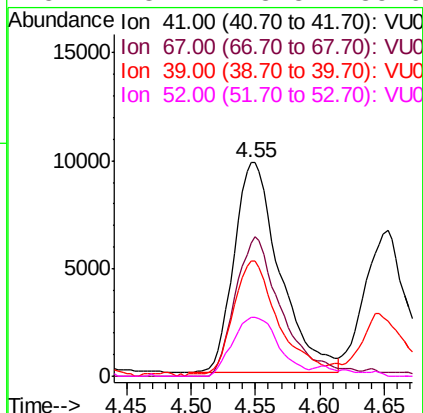
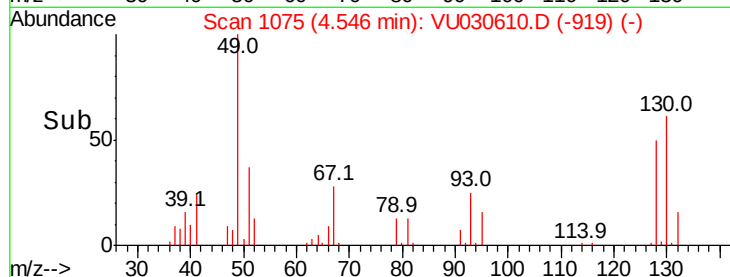
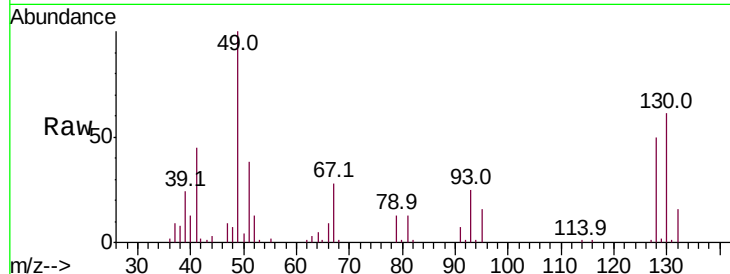
#39
Methacrylonitrile
Concen: 7.189 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
67	66.8	54.1	81.1
39	54.3	41.7	62.5
52	28.1	23.8	35.6

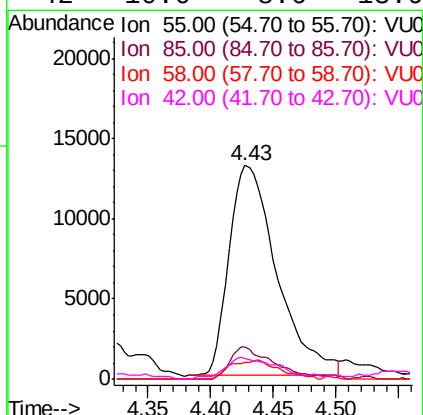
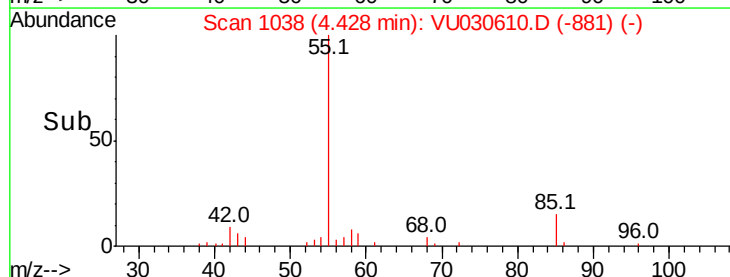
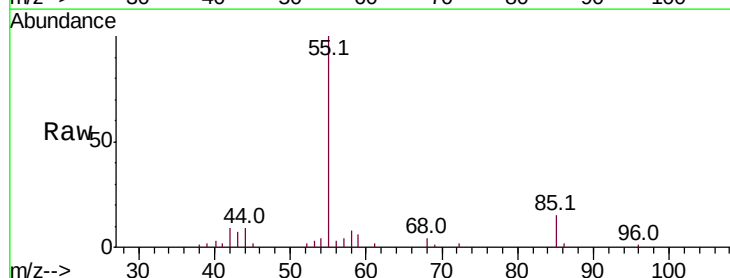
Manual Integrations
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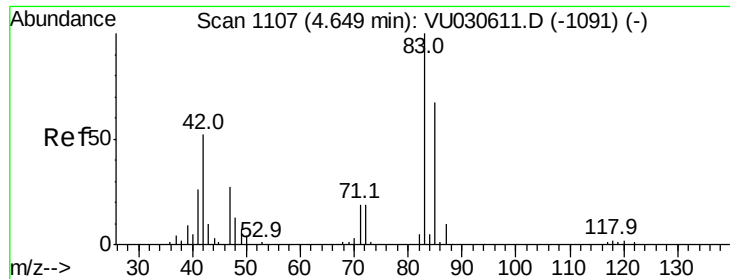
MMDadoda
4/3/2019 11:44:12 AM



#40
Methyl acrylate
Concen: 6.816 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion	Ratio	Lower	Upper
55	100		
85	13.4	12.5	18.7
58	9.0	7.5	11.3
42	10.6	8.6	13.0





#41

Tetrahydrofuran

Concen: 13.373 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

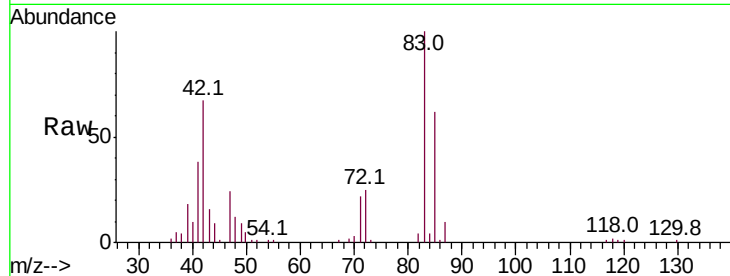
VSTDIC005

Tot Ion:	42	Resp:	24915
Ion	Ratio	Lower	Upper
42	100		
72	42.3	29.8	44.8
71	36.1	27.7	41.5

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4/3/2019 11:44:12 AM

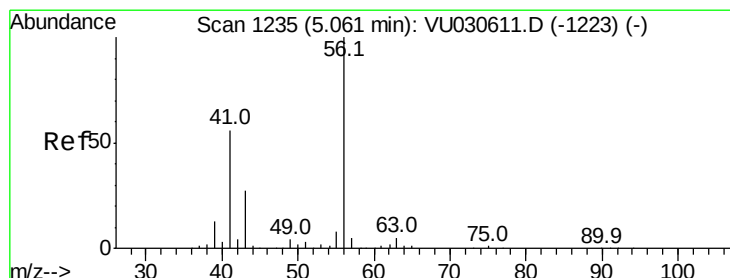
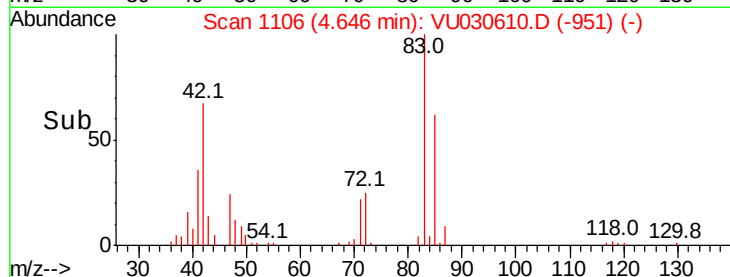
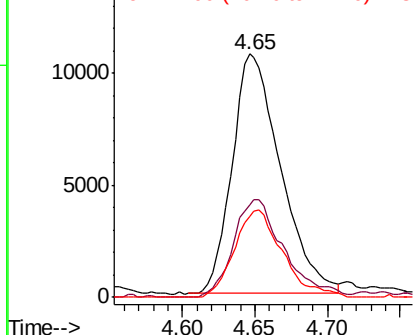


Abundance

Ion 42.00 (41.70 to 42.70): VU030610.D (-1091) (-)

Ion 72.00 (71.70 to 72.70): VU030610.D (-1091) (-)

Ion 71.00 (70.70 to 71.70): VU030610.D (-1091) (-)



#42

1-Chlorobutane

Concen: 6.026 ug/l

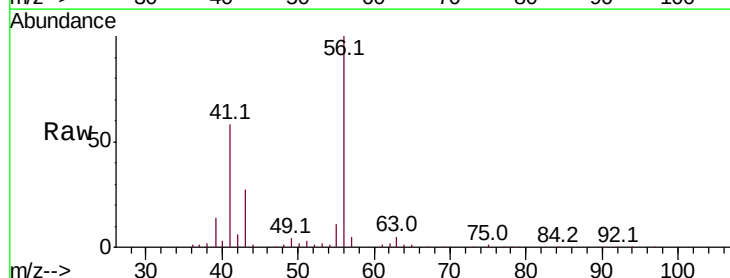
RT: 5.06 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

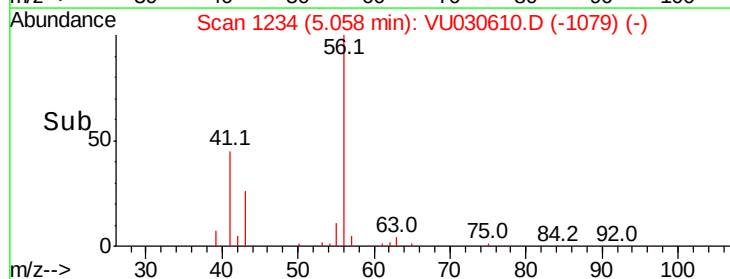
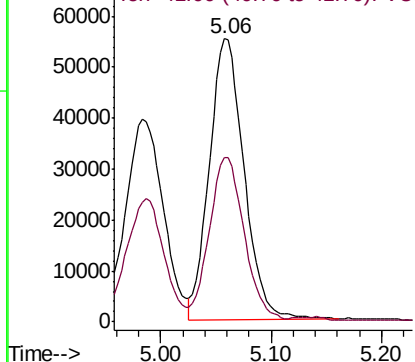
Tgt Ion:	56	Resp:	120594
Ion	Ratio	Lower	Upper
56	100		
41	57.0	27.6	82.8

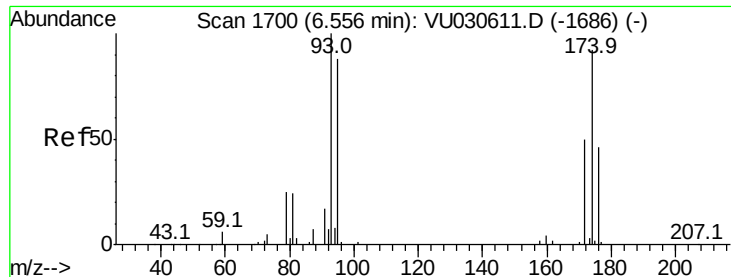


Abundance

Ion 56.00 (55.70 to 56.70): VU030610.D (-1079) (-)

Ion 41.00 (40.70 to 41.70): VU030610.D (-1079) (-)





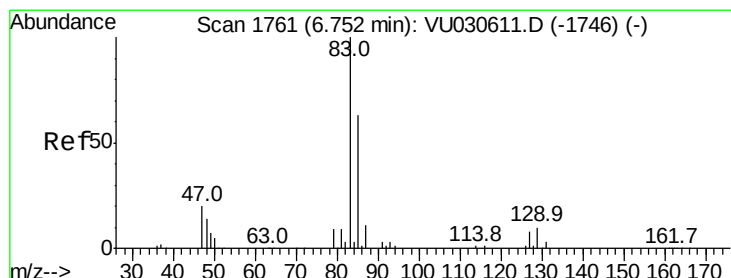
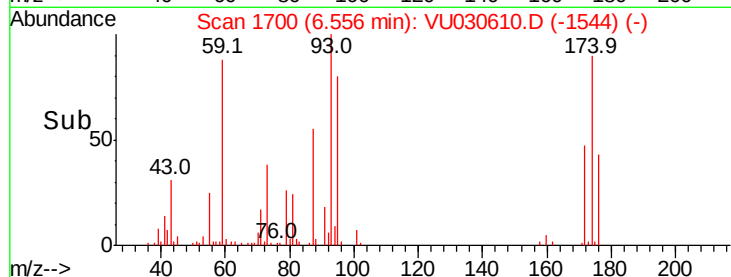
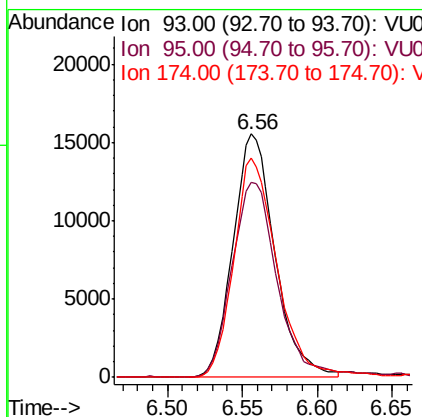
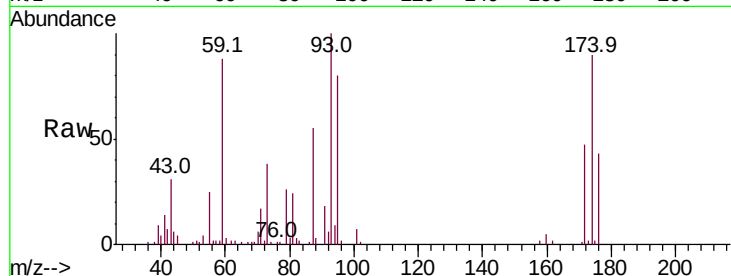
#43
Dibromomethane
Concen: 5.277 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 93 Resp: 30284
Ion Ratio Lower Upper
93 100
95 86.7 65.7 98.5
174 93.1 70.3 105.5

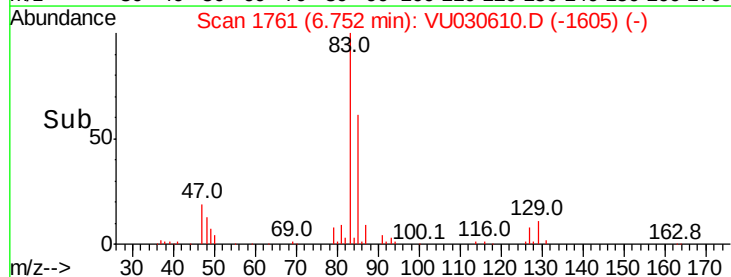
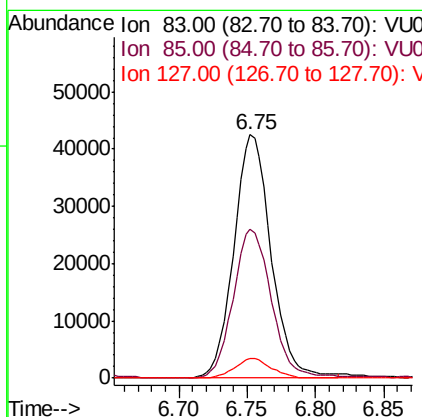
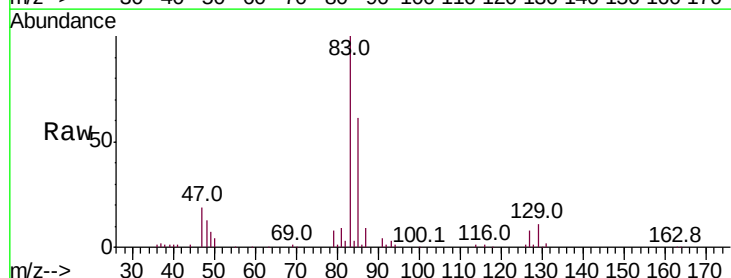
Manual Integrations
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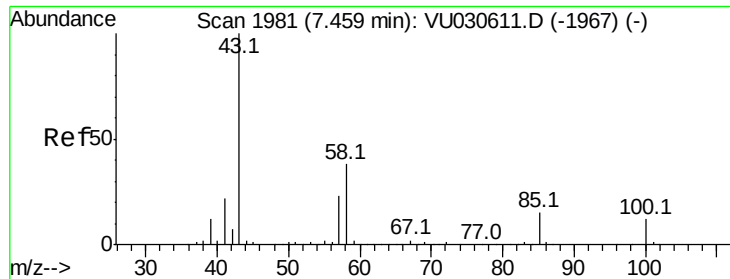
MMDadoda
4/3/2019 11:44:12 AM



#44
Bromodichloromethane
Concen: 5.834 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion: 83 Resp: 80575
Ion Ratio Lower Upper
83 100
85 61.4 50.6 76.0
127 7.9 6.6 10.0





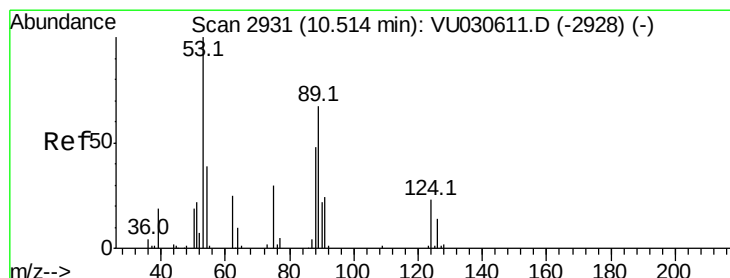
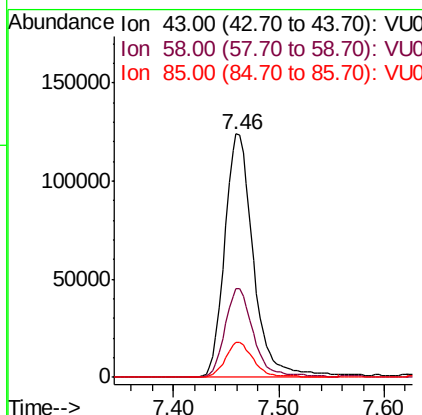
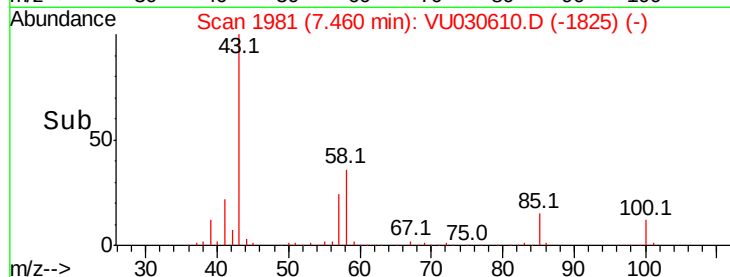
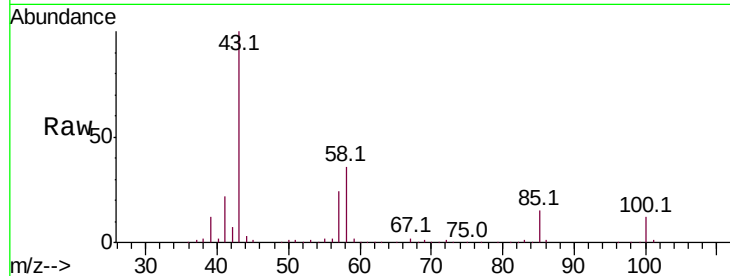
#45
4-Methyl-2-Pentanone
Concen: 37.570 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	233484
Ion	Ratio	Lower	Upper
43	100		
58	36.5	18.6	55.8
85	14.2	11.6	17.4

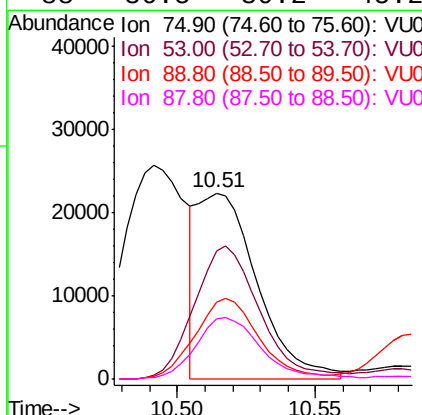
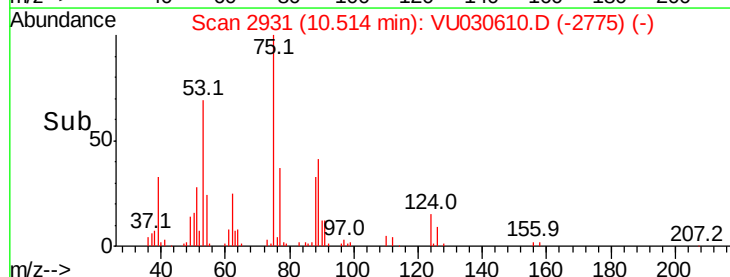
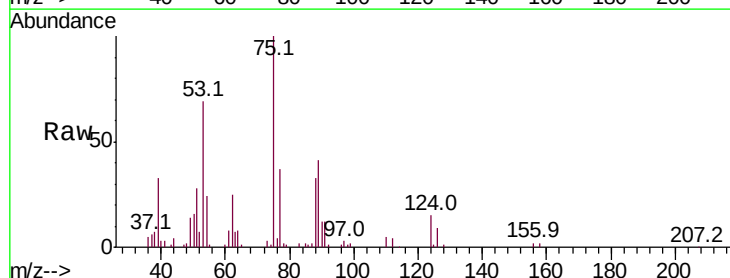
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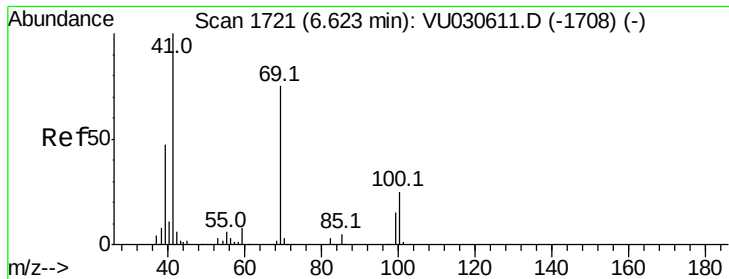
MMDadoda
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#46
t-1,4-Dichloro-2-butene
Concen: 14.893 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion	75	Resp	33748
Ion	Ratio	Lower	Upper
75	100		
53	78.6	64.3	96.5
89	46.6	40.8	61.2
88	36.5	30.2	45.2





#47

Methyl methacrylate

Concen: 12.766 ug/l

RT: 6.62 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 69 Resp: 62992

Ion Ratio Lower Upper

69 100

41 120.2 0.0 263.2

39 61.6 50.7 76.1

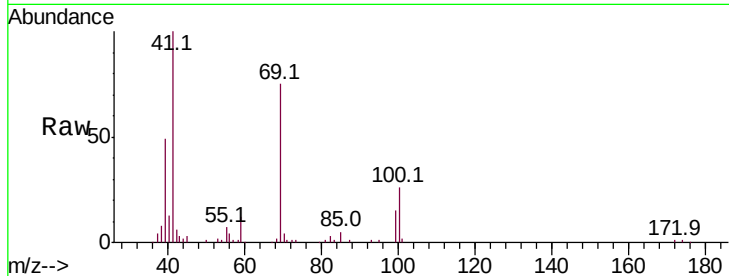
100 32.1 27.0 40.4

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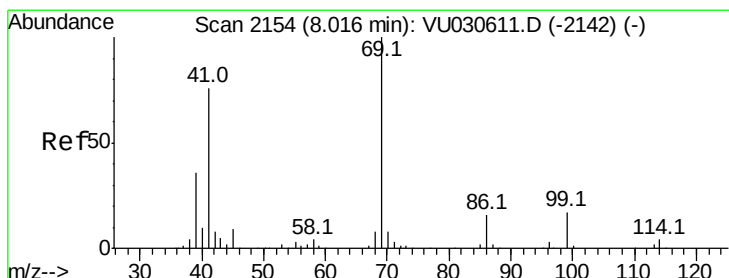
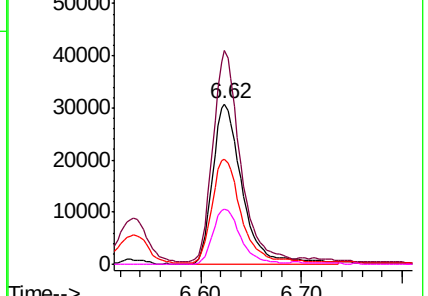
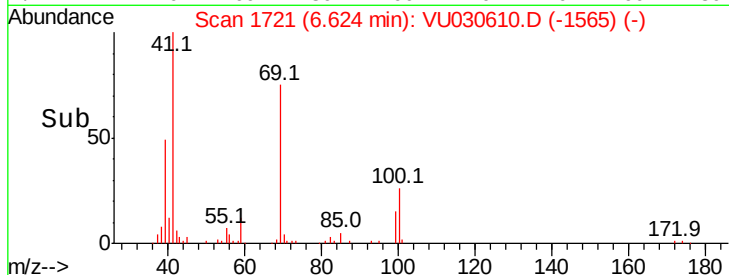


Abundance Ion 69.00 (68.70 to 69.70): VU030610.D (-1565) (-)

Ion 41.00 (40.70 to 41.70): VU030610.D (-1565) (-)

Ion 39.00 (38.70 to 39.70): VU030610.D (-1565) (-)

Ion 100.00 (99.70 to 100.70): VU030610.D (-1565) (-)



#48

Ethyl methacrylate

Concen: 6.205 ug/l

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VU030610.D

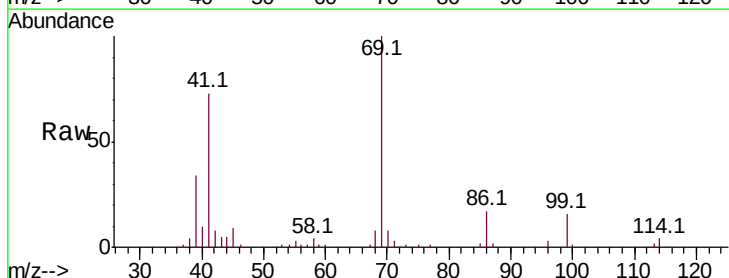
Acq: 02 Apr 2019 19:25

Tgt Ion: 69 Resp: 56744

Ion Ratio Lower Upper

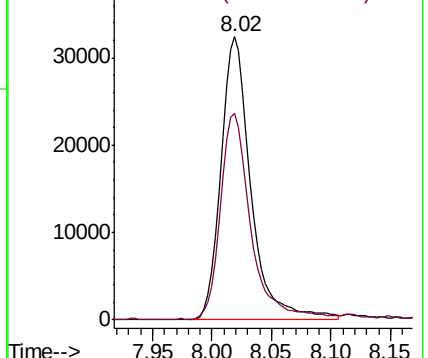
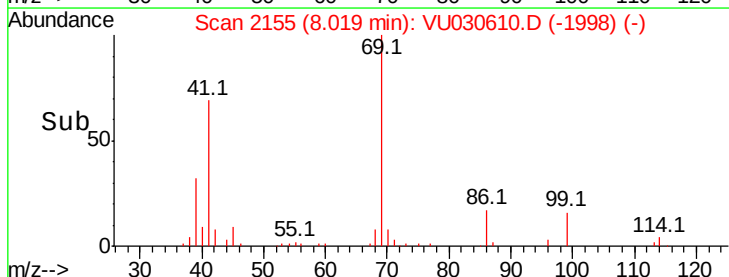
69 100

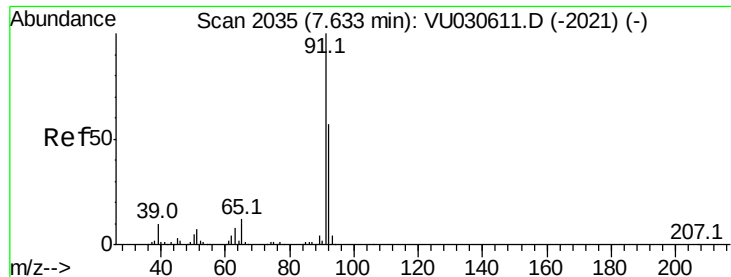
41 73.0 37.3 111.9



Abundance Ion 69.00 (68.70 to 69.70): VU030610.D (-1998) (-)

Ion 41.00 (40.70 to 41.70): VU030610.D (-1998) (-)





#49

Toluene

Concen: 5.097 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 131040

Ion Ratio Lower Upper

92 100

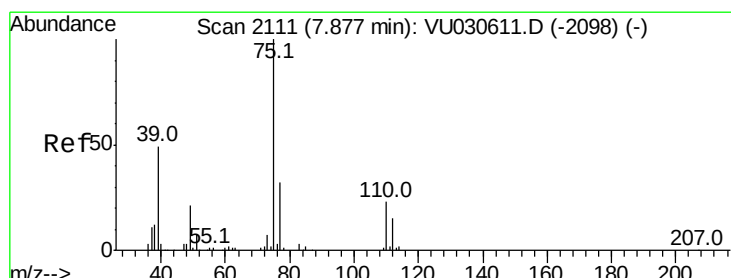
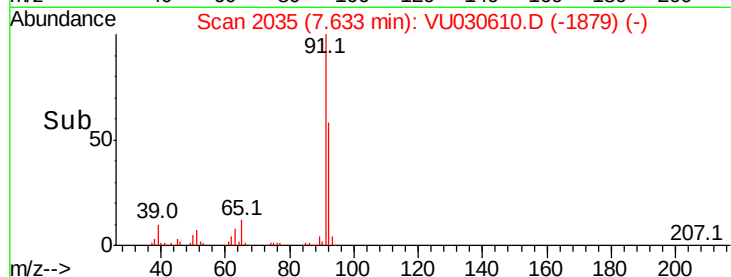
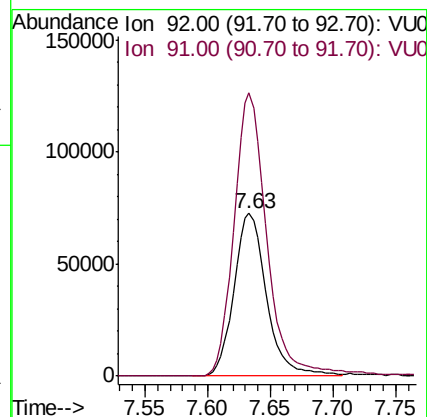
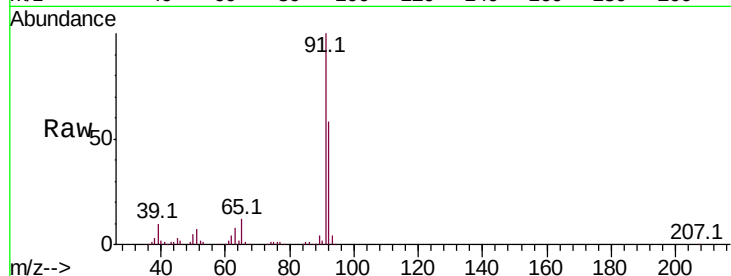
91 175.8 142.1 213.1

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#50

t-1,3-Dichloropropene

Concen: 5.901 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030610.D

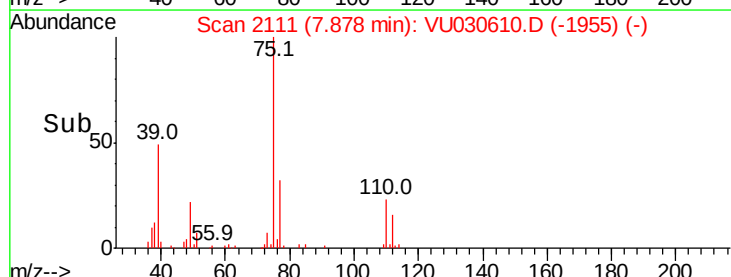
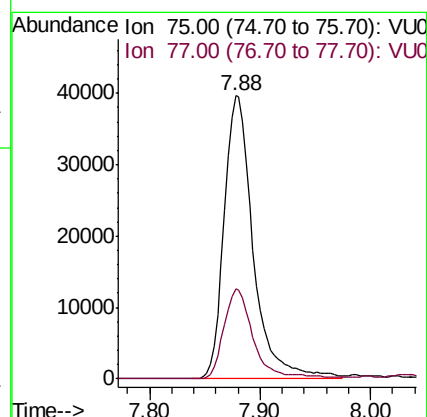
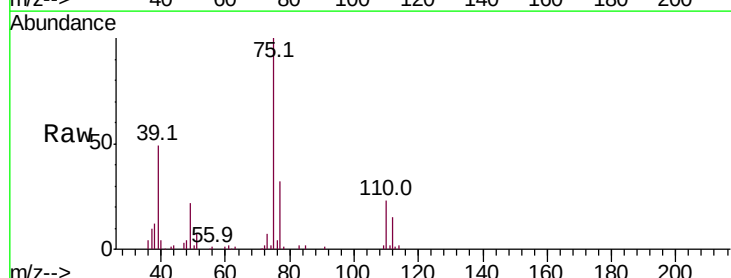
Acq: 02 Apr 2019 19:25

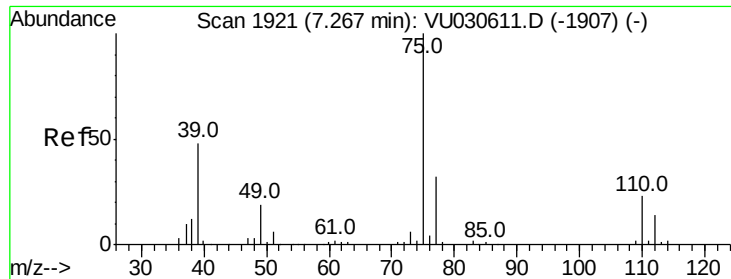
Tgt Ion: 75 Resp: 72758

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0





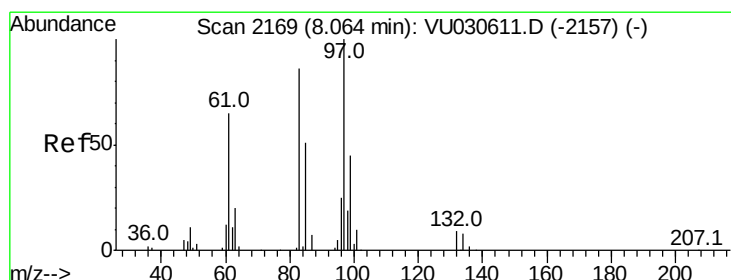
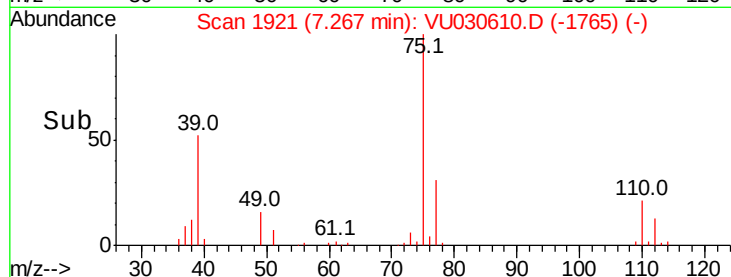
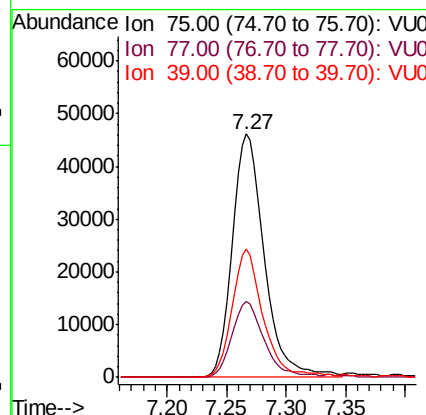
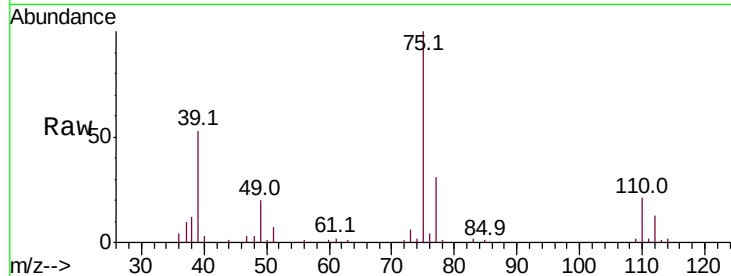
#51
 cis-1,3-Dichloropropene
 Concen: 5.613 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	75	Resp:	86190
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.4	38.0
39	52.3	38.5	57.7

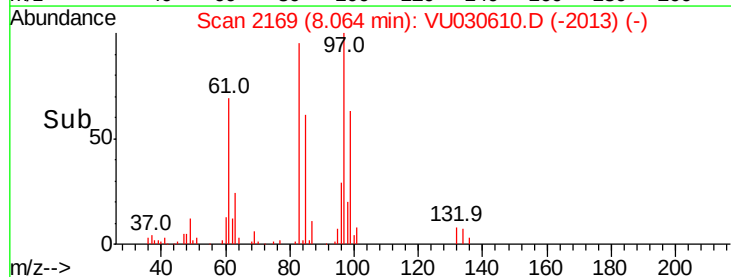
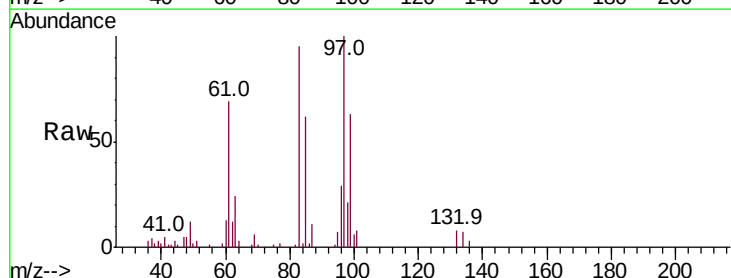
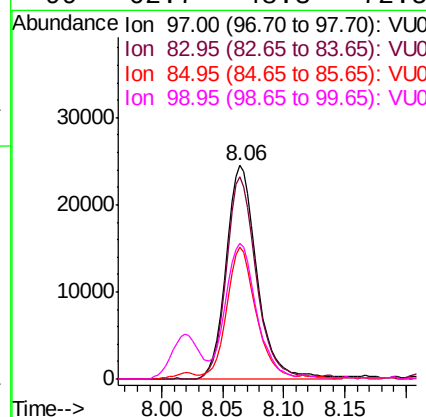
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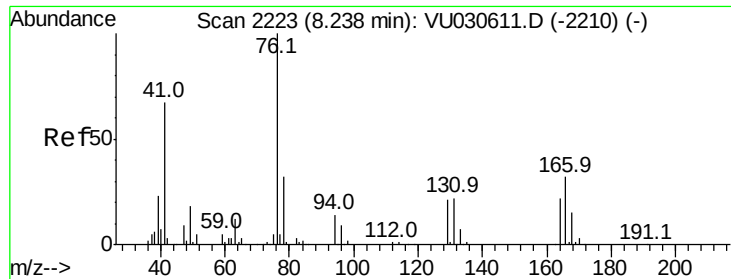
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#52
 1,1,2-Trichloroethane
 Concen: 5.406 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion:	97	Resp:	43588
Ion Ratio	Lower	Upper	
97	100		
83	94.8	68.6	103.0
85	61.3	41.8	62.8
99	62.7	48.3	72.5





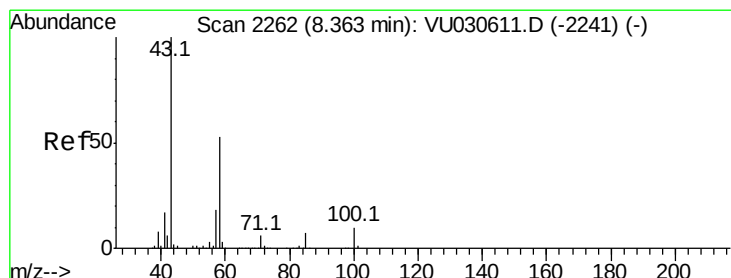
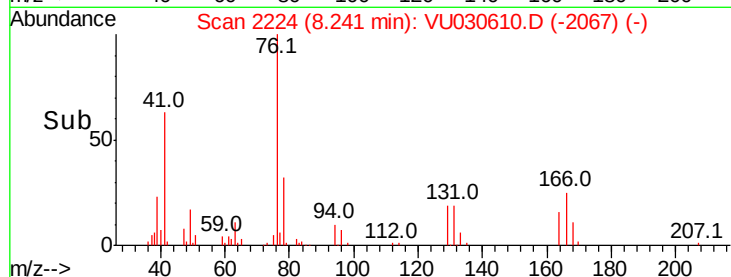
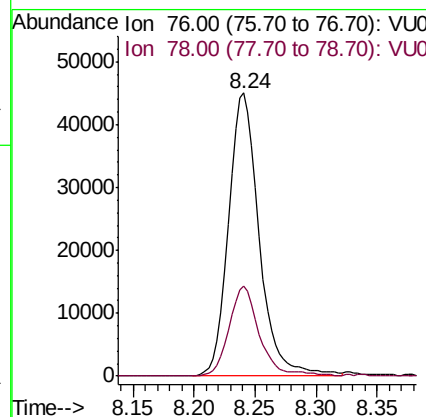
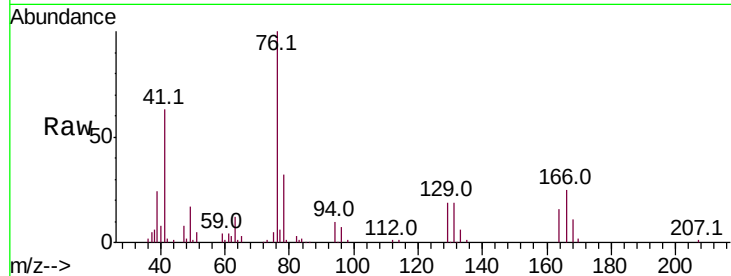
#53
 1,3-Dichloropropane
 Concen: 5.827 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

Tot Ion: 76 Resp: 79783
 Ion Ratio Lower Upper
 76 100
 78 30.3 25.2 37.8

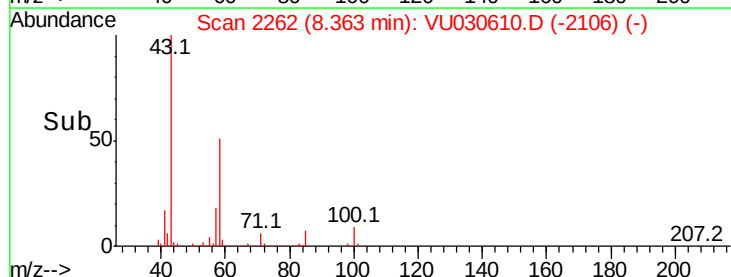
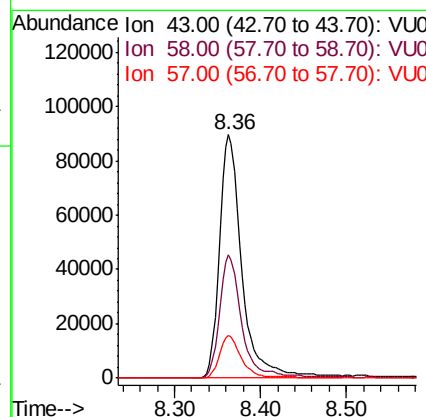
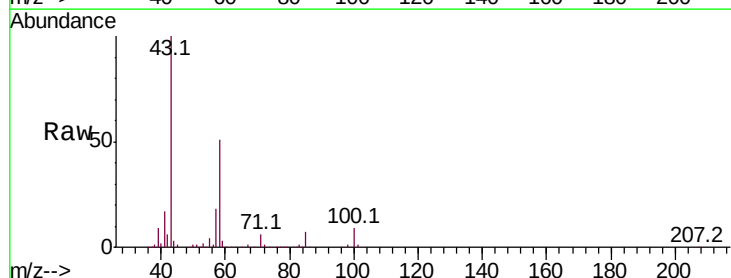
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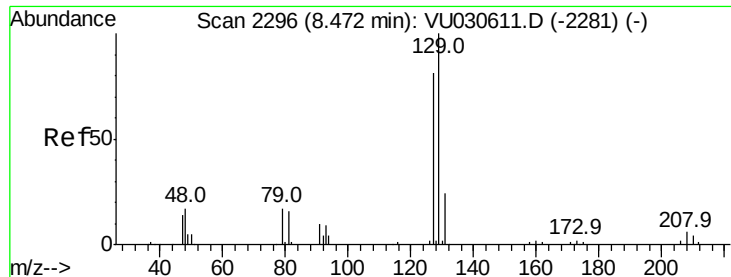
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#54
 2-Hexanone
 Concen: 36.907 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion: 43 Resp: 162746
 Ion Ratio Lower Upper
 43 100
 58 49.2 33.1 73.1
 57 17.4 0.0 38.1





#55

Dibromochloromethane

Concen: 5.358 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 51364

Ion Ratio Lower Upper

129 100

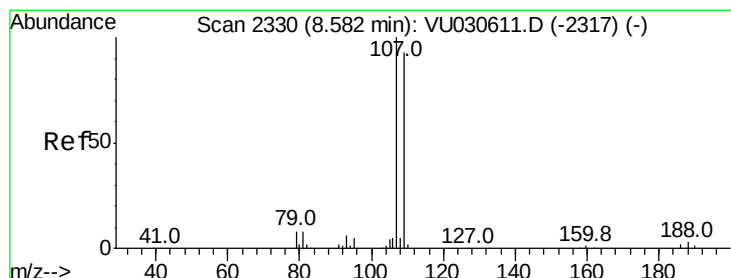
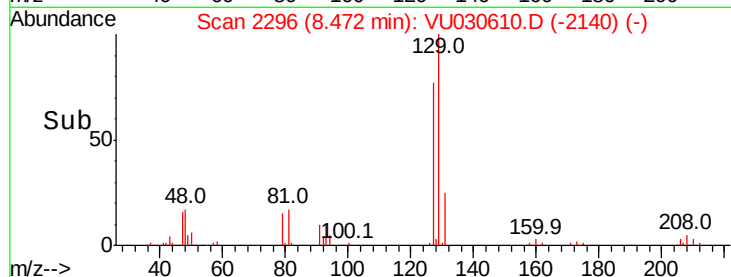
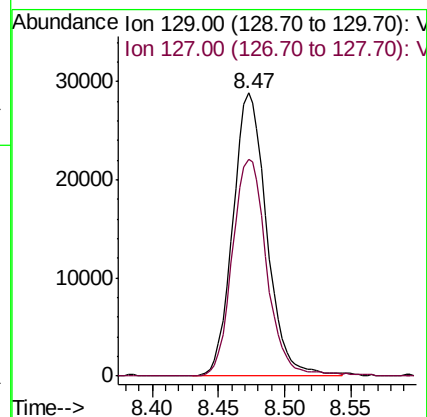
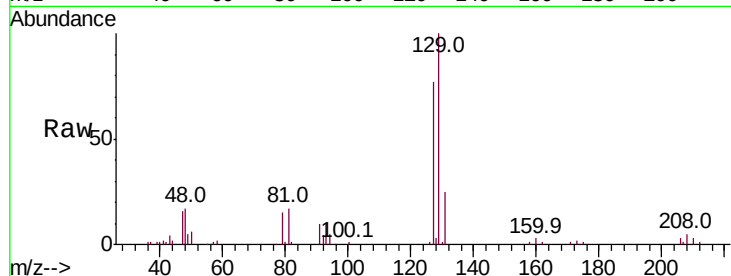
127 77.9 62.8 94.2

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#56

1,2-Dibromoethane

Concen: 5.426 ug/l

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU030610.D

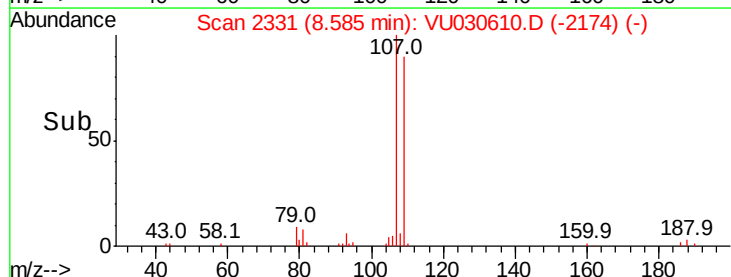
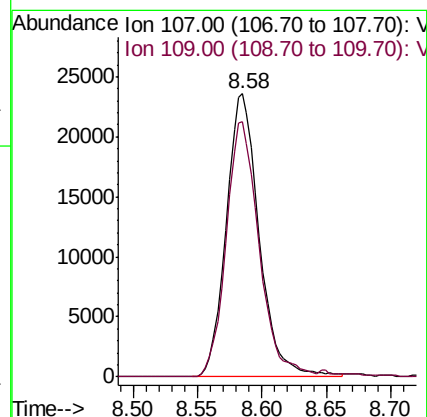
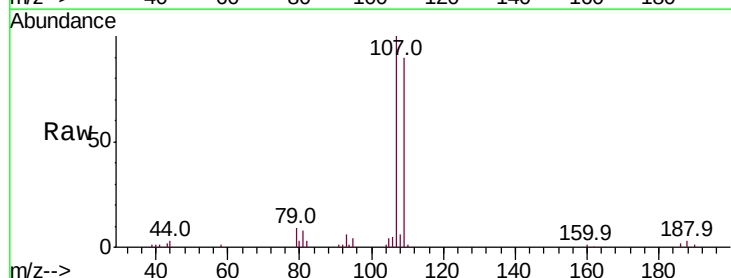
Acq: 02 Apr 2019 19:25

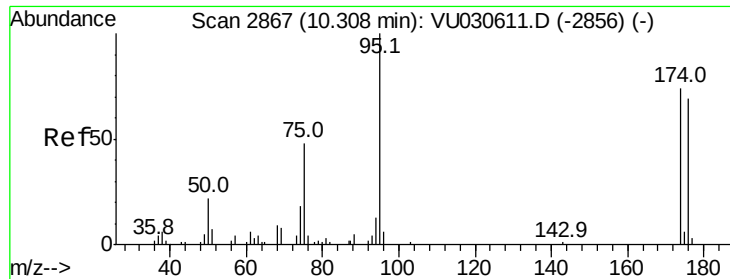
Tgt Ion:107 Resp: 41729

Ion Ratio Lower Upper

107 100

109 90.2 0.0 187.2





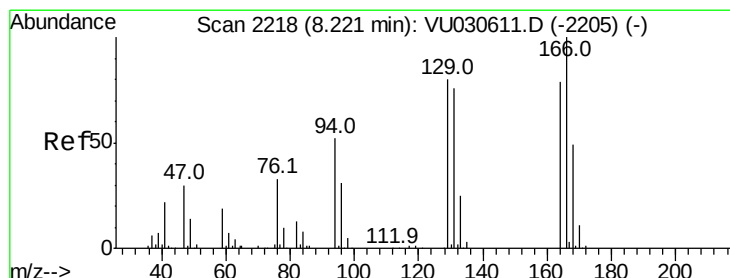
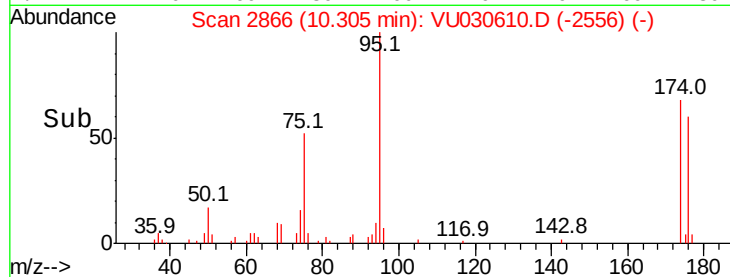
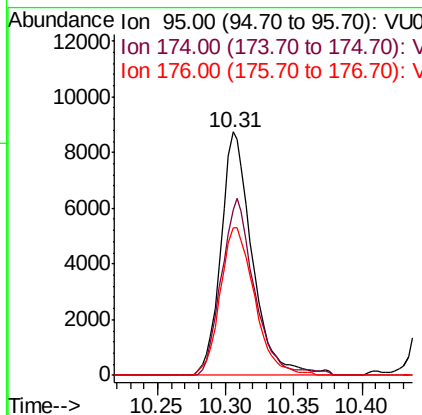
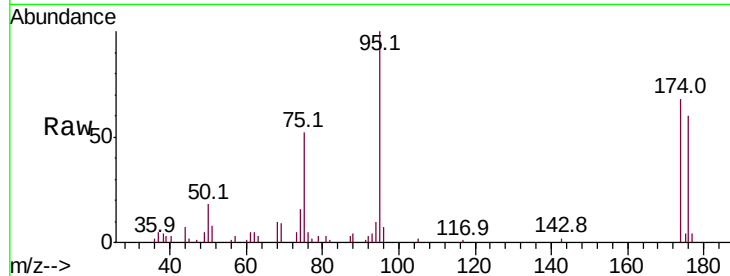
#57
 4-Bromofluorobenzene
 Concen: 5.426 ug/l
 RT: 10.31 min Scan# 2866
 Delta R.T. -0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	95	Resp:	13946
Ion Ratio	Lower	Upper	
95	100		
174	76.5	59.1	88.7
176	66.4	55.7	83.5

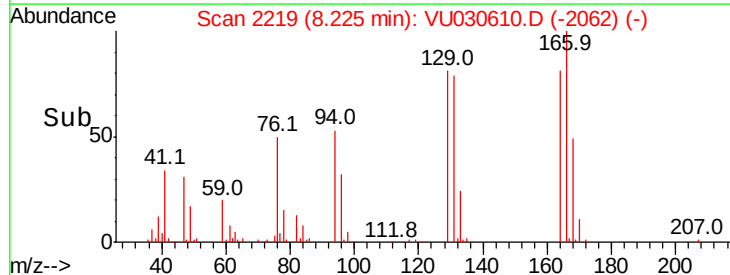
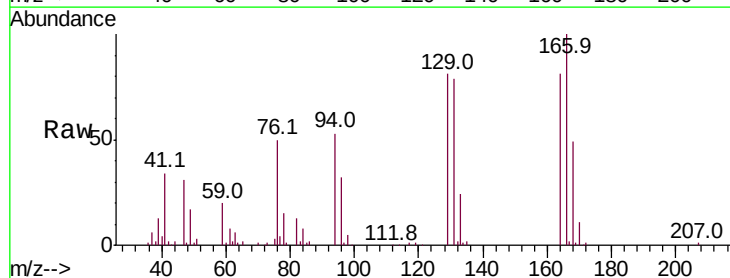
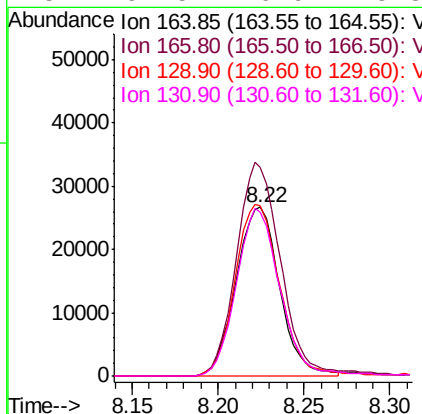
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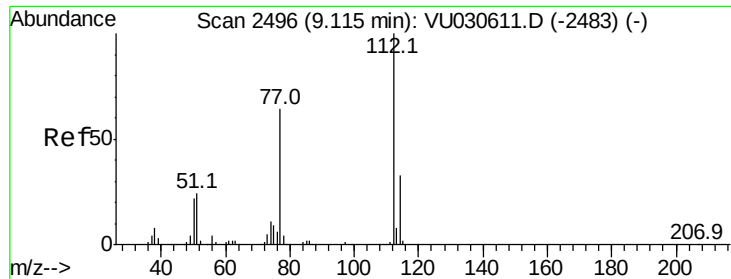
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#58
 Tetrachloroethene
 Concen: 4.319 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion:	164	Resp:	47081
Ion Ratio	Lower	Upper	
164	100		
166	123.8	101.0	151.4
129	100.8	80.6	120.8
131	97.5	76.9	115.3





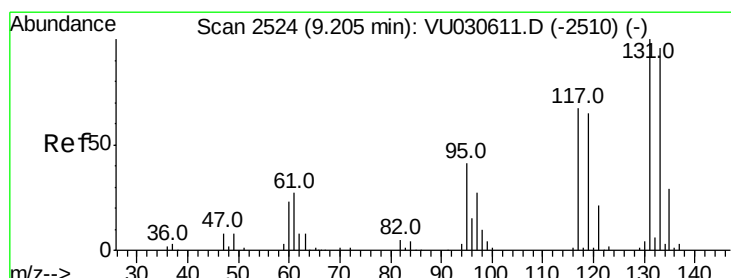
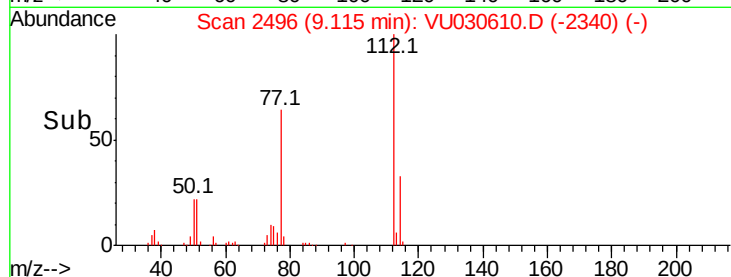
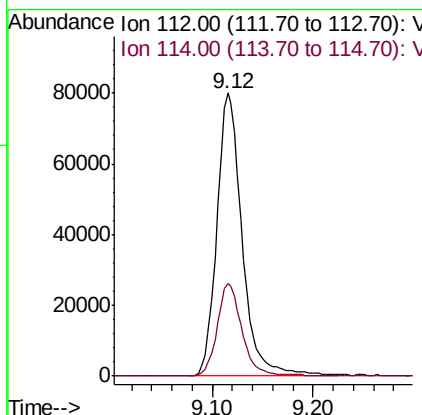
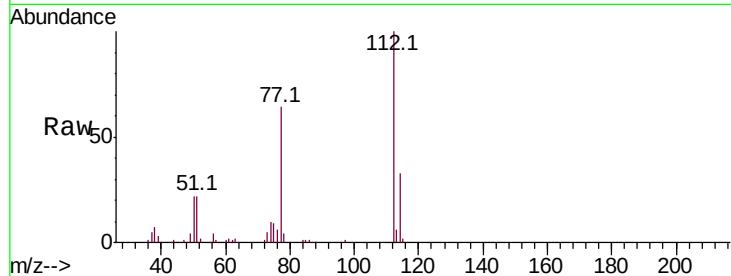
#59
Chlorobenzene
Concen: 4.826 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
112	100	139918		
114	32.9	26.2	39.4	

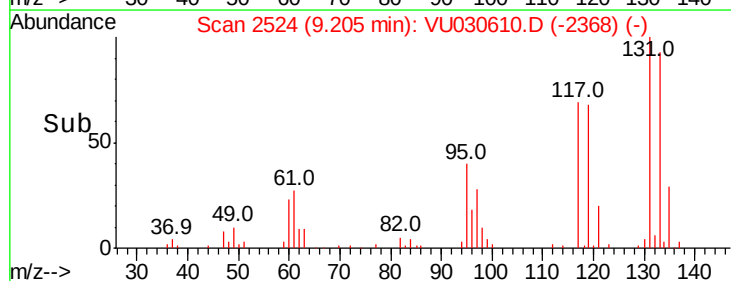
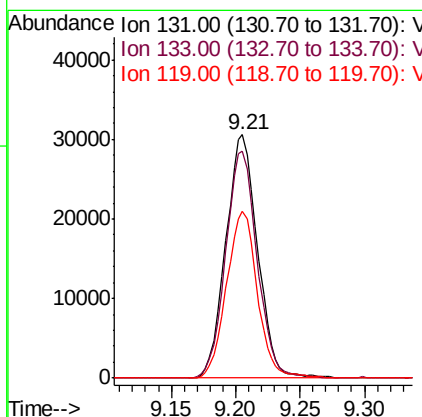
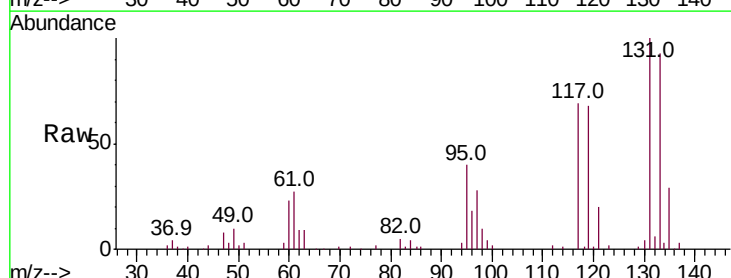
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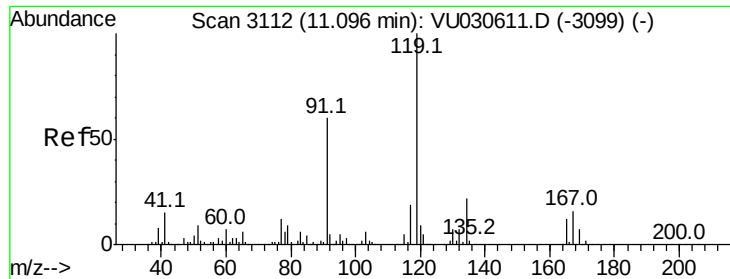
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#60
1,1,1,2-Tetrachloroethane
Concen: 5.060 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	52316		
133	92.4	75.0	112.6	
119	66.7	52.2	78.2	





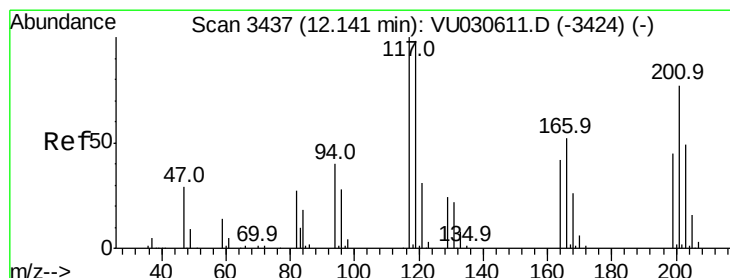
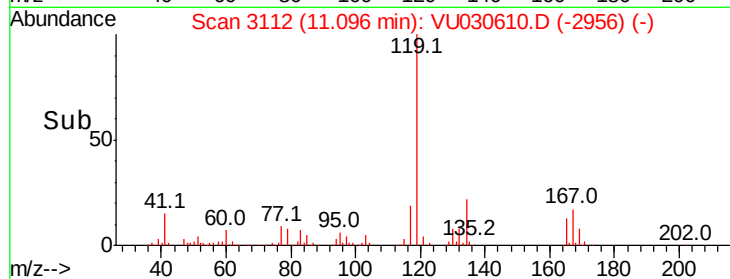
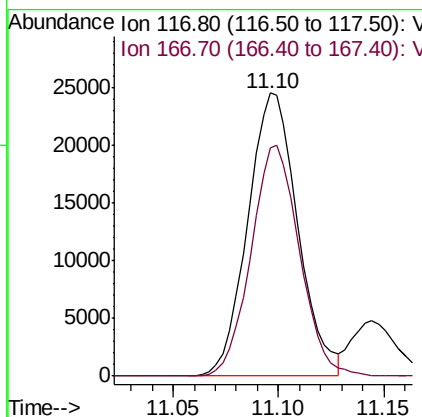
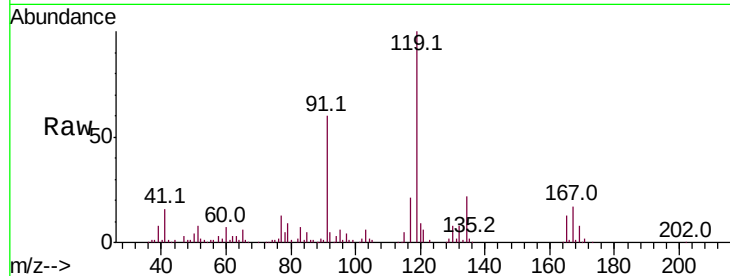
#61
 Pentachloroethane
 Concen: 5.065 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
167	78.9	65.6	98.4

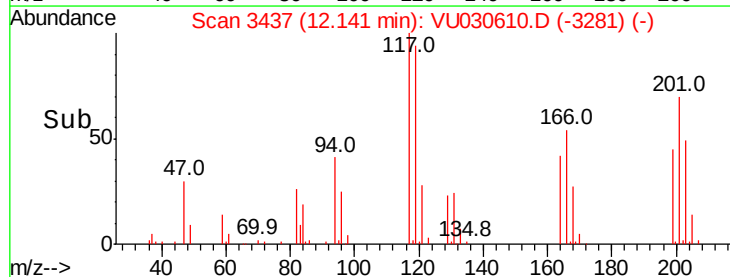
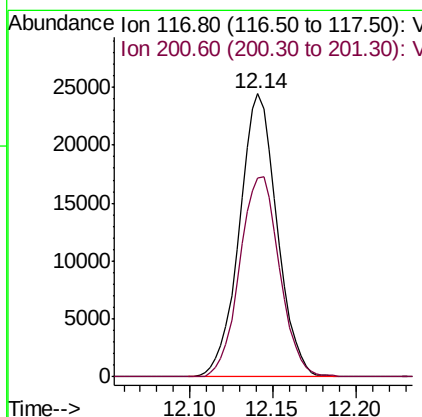
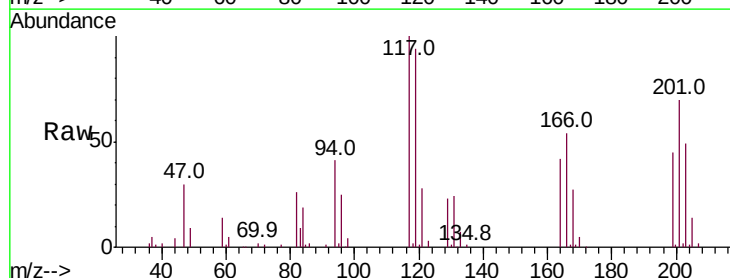
Manual Integrations
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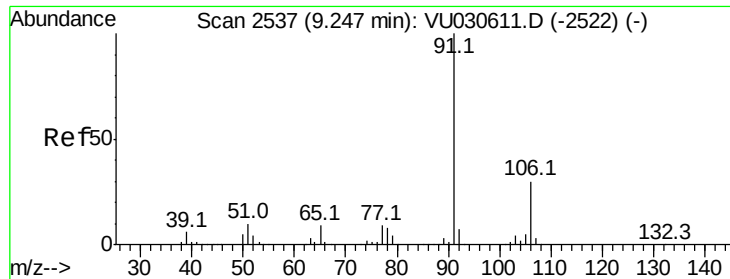
MMDadoda
 4/3/2019 11:44:12 AM



#62
 Hexachloroethane
 Concen: 4.876 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	60.5	90.7





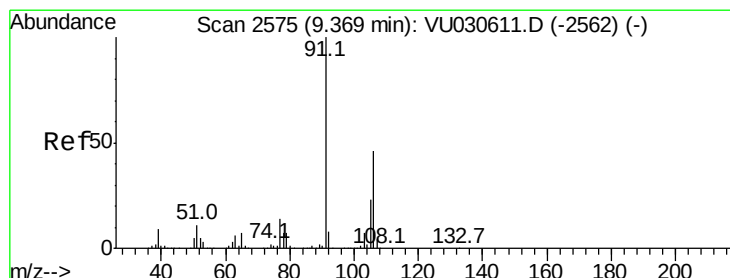
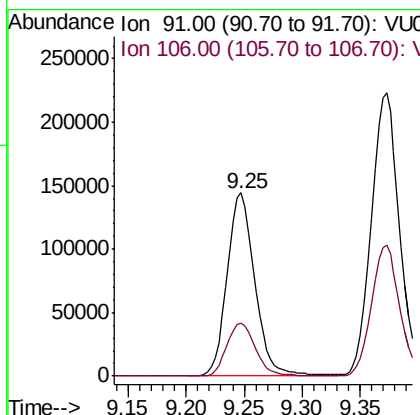
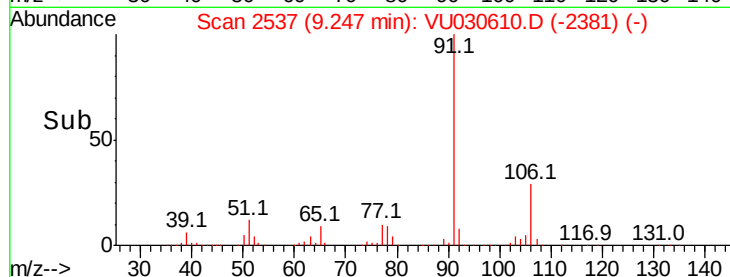
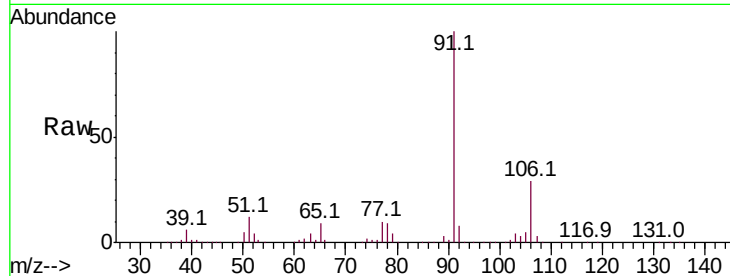
#63
Ethyl Benzene
Concen: 4.939 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 238133
Ion Ratio Lower Upper
91 100
106 29.2 23.7 35.5

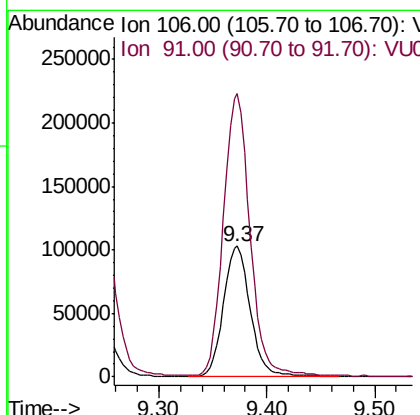
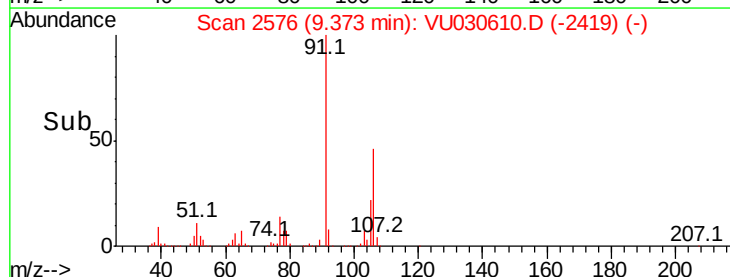
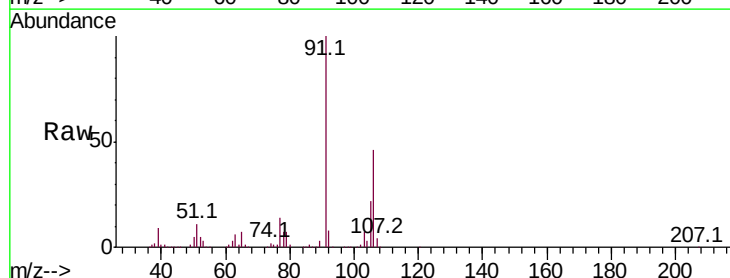
Manual Integrations
APPROVED

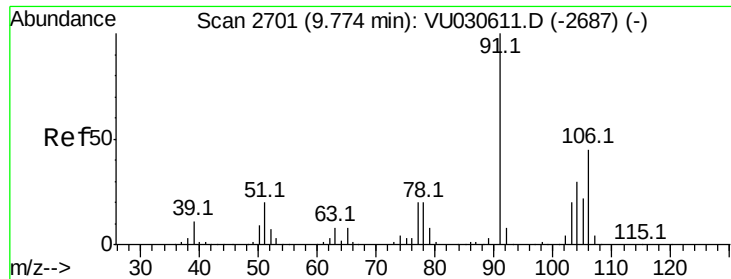
MMDadoda
4/3/2019 11:44:12 AM



#64
m/p-Xylenes
Concen: 9.528 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion: 106 Resp: 177639
Ion Ratio Lower Upper
106 100
91 215.4 173.8 260.8





#65

o-Xylene

Concen: 4.631 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 84658

Ion Ratio Lower Upper

106 100

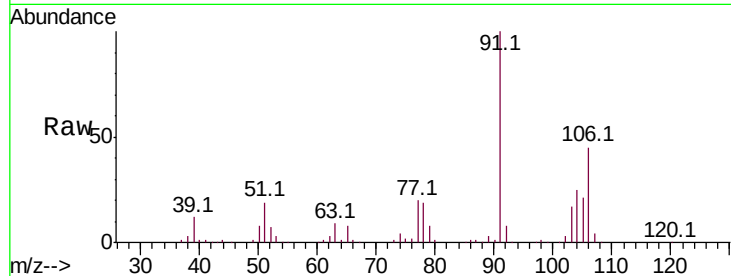
91 224.9 111.8 335.3

Manual Integrations

APPROVED

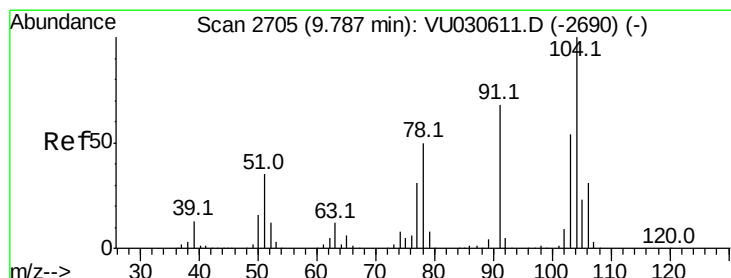
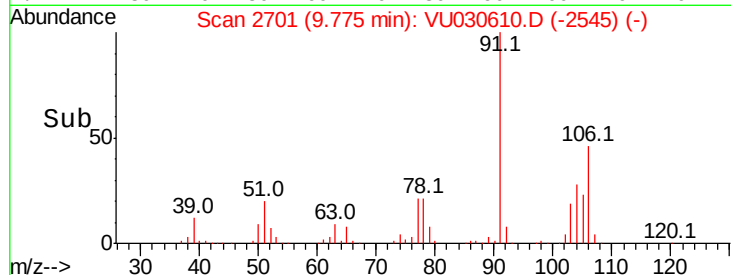
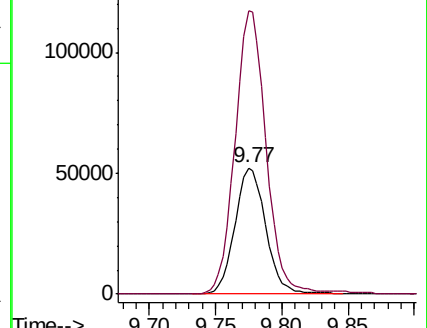
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 4.973 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

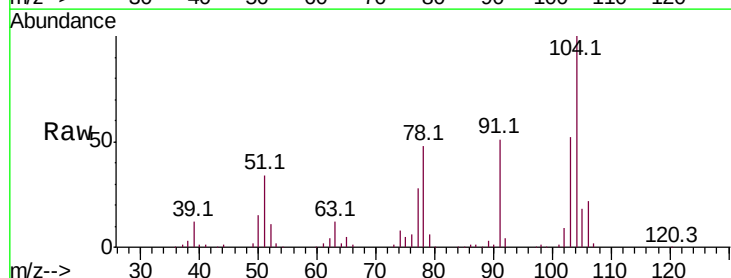
Tgt Ion:104 Resp: 150031

Ion Ratio Lower Upper

104 100

78 53.9 43.0 64.6

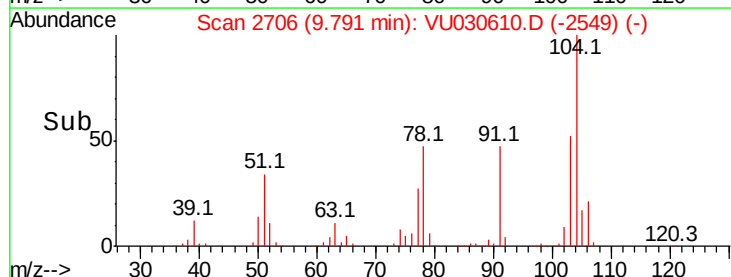
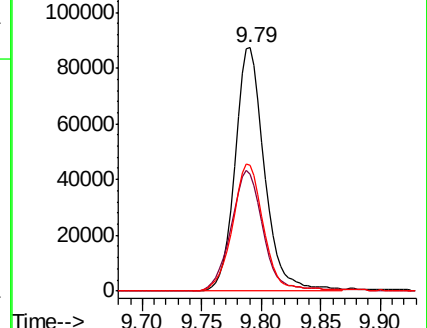
103 55.0 45.6 68.4

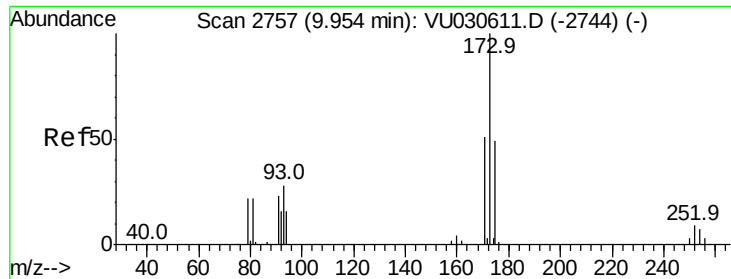


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





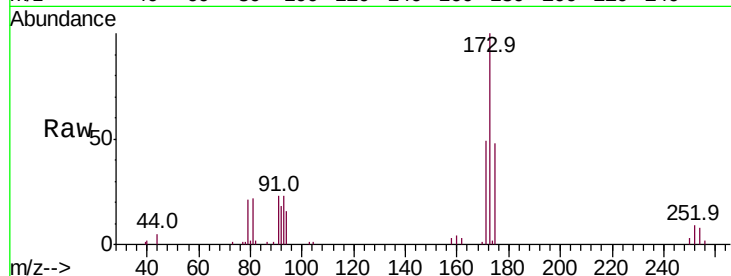
#67
Bromoform
Concen: 5.443 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

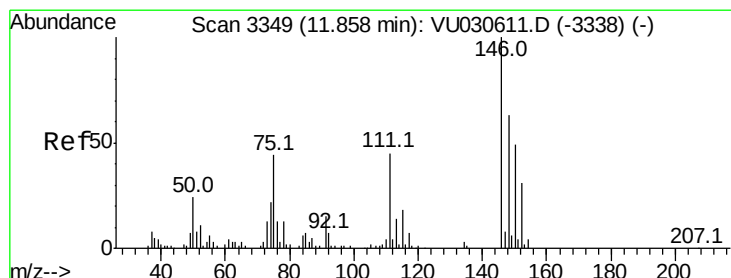
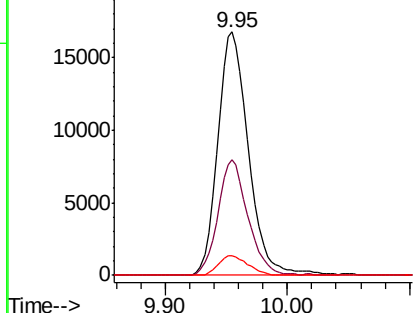
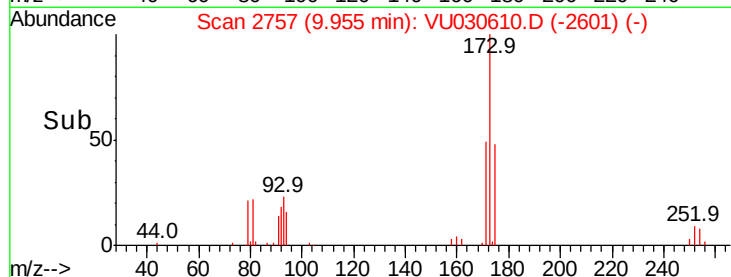
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	39.2	58.8
254	7.8	6.4	9.6

Manual Integrations
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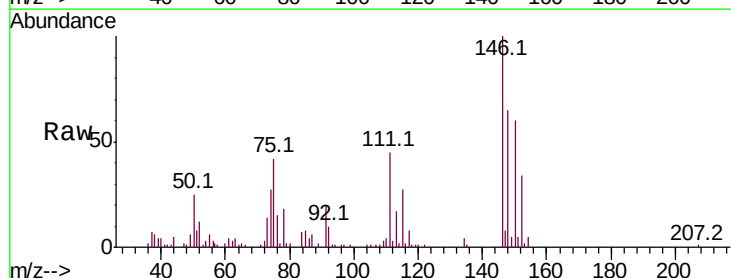


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

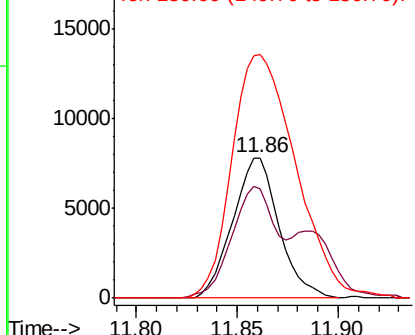
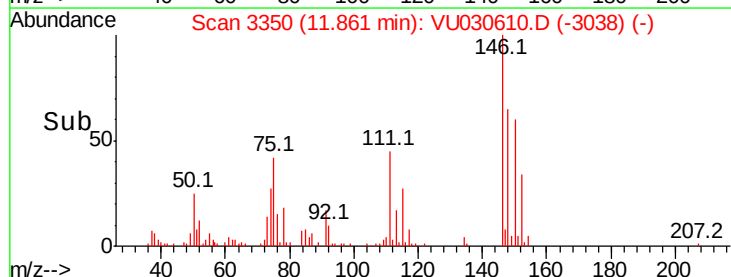


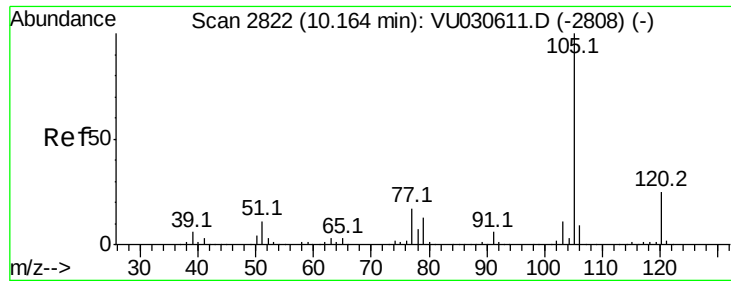
#68
1,2-Dichlorobenzene-d4
Concen: 5.443 ug/l
RT: 11.86 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VU030610.D
Acq: 02 Apr 2019 19:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.8	0.0	122.4
150	239.2	0.0	595.2



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





#69

Isopropylbenzene

Concen: 4.724 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 226483

Ion Ratio Lower Upper

105 100

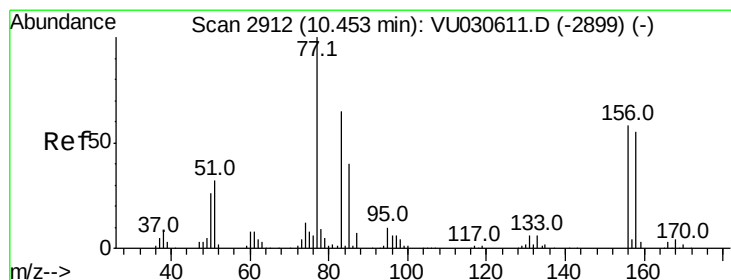
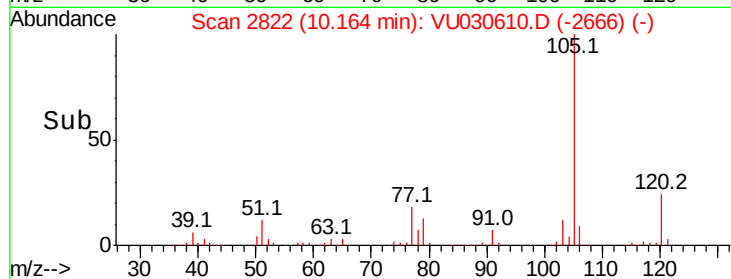
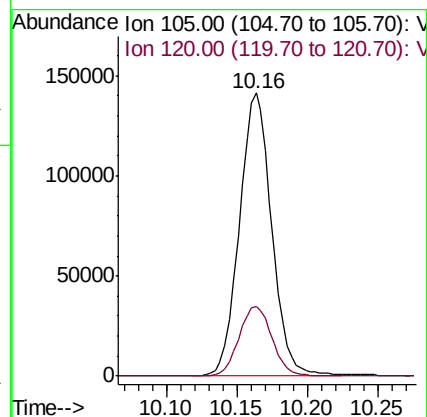
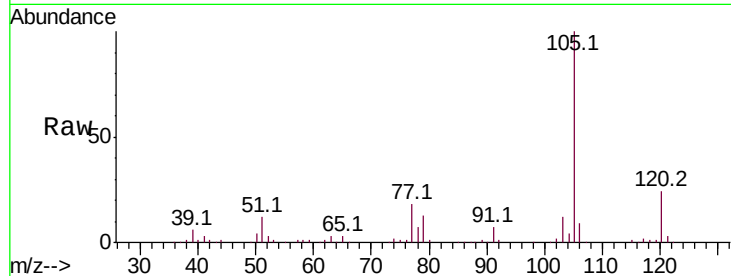
120 25.5 12.5 37.5

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 5.925 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

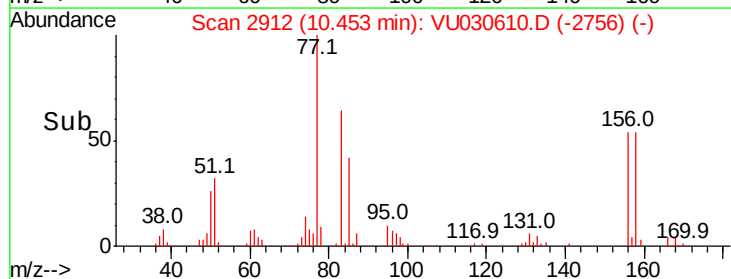
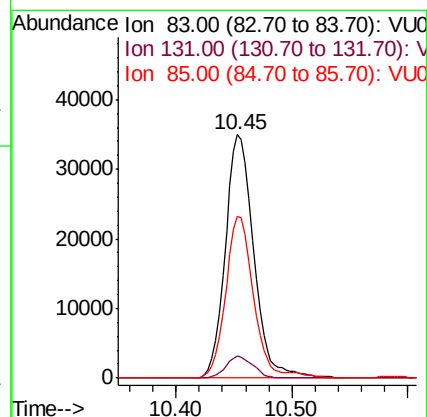
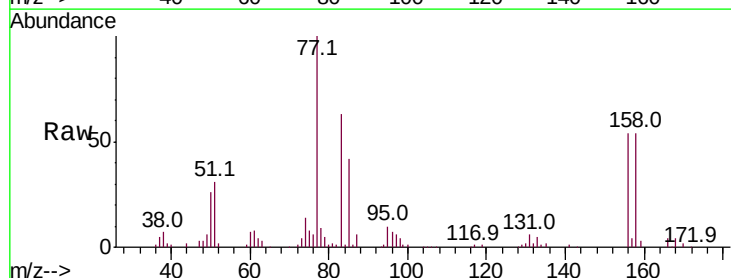
Tgt Ion: 83 Resp: 59734

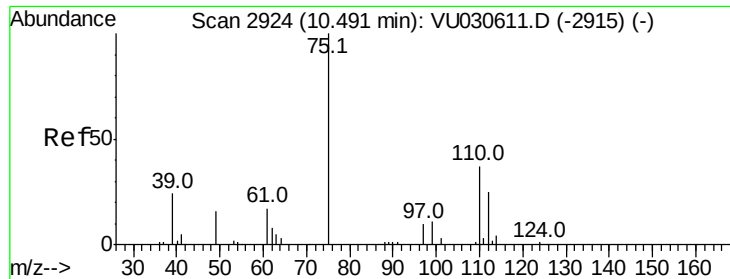
Ion Ratio Lower Upper

83 100

131 8.5 7.5 11.3

85 63.6 50.0 75.0





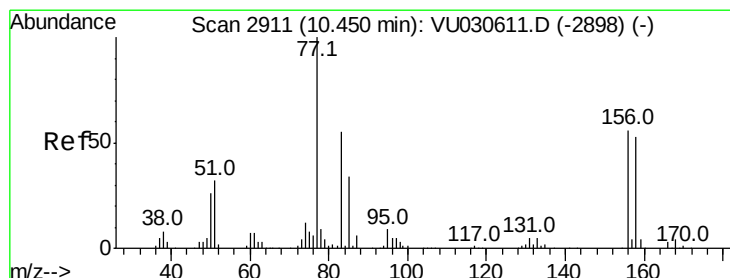
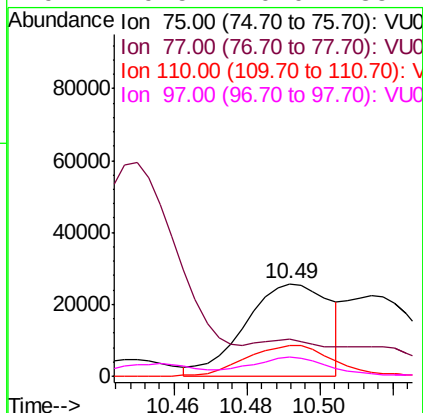
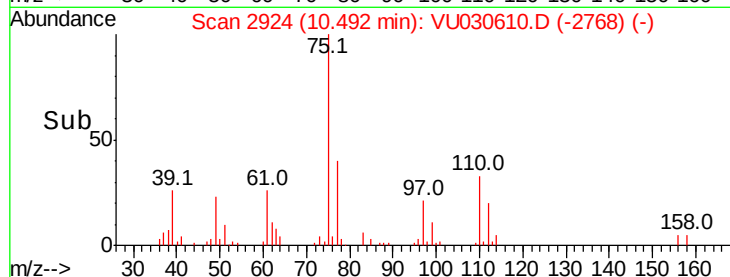
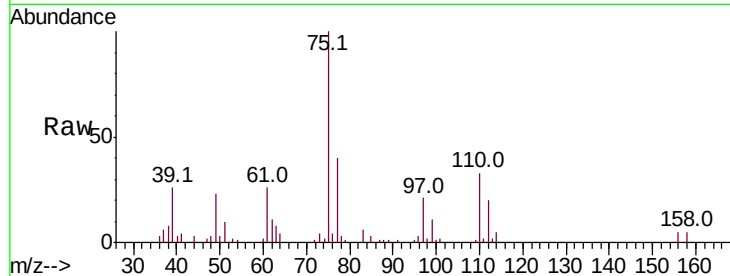
#71
 1,2,3-Trichloropropane
 Concen: 5.499 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	0.0	0.0	0.0
110	110	35.1	0.0	67.8
97	97	19.5	0.0	35.2

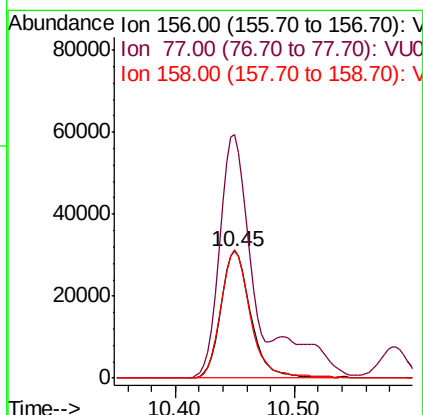
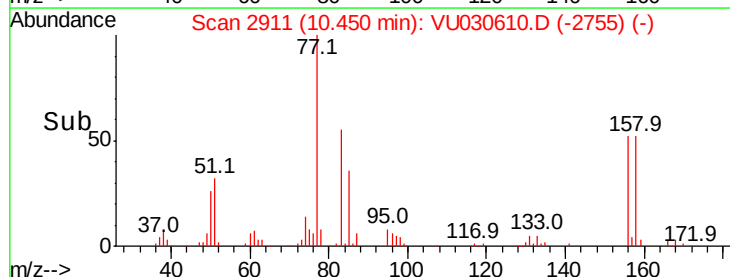
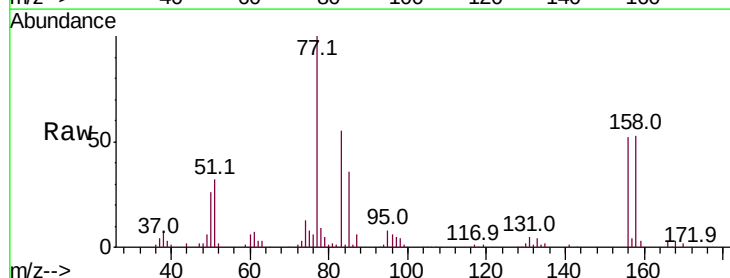
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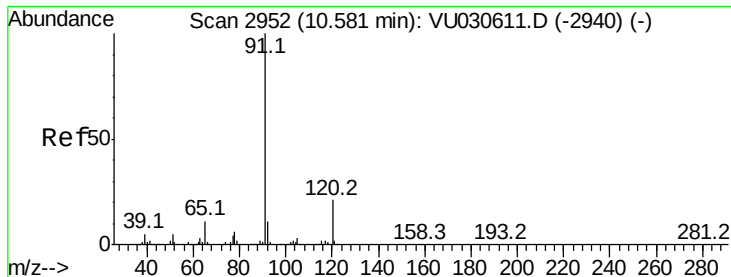
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#72
 Bromobenzene
 Concen: 4.377 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	187.0	0.0	362.2
158	158	99.8	0.0	192.4





#73

n-propylbenzene

Concen: 4.485 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:120 Resp: 60373

Ion Ratio Lower Upper

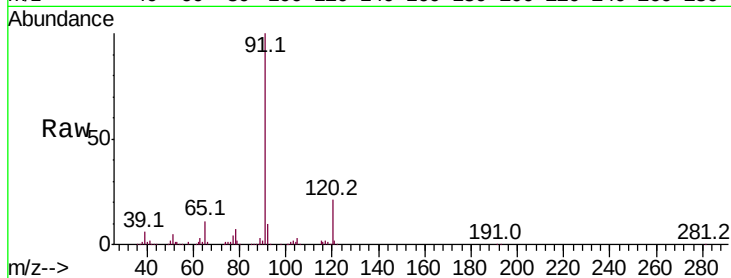
120 100

91 477.4 373.0 559.4

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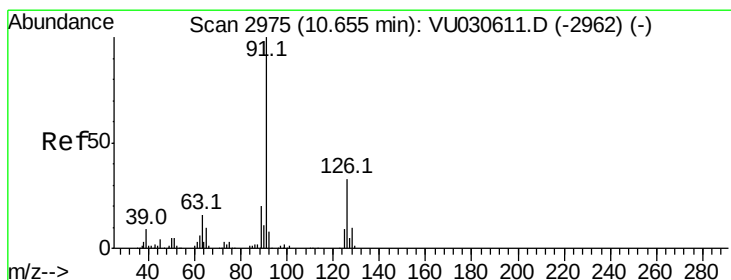
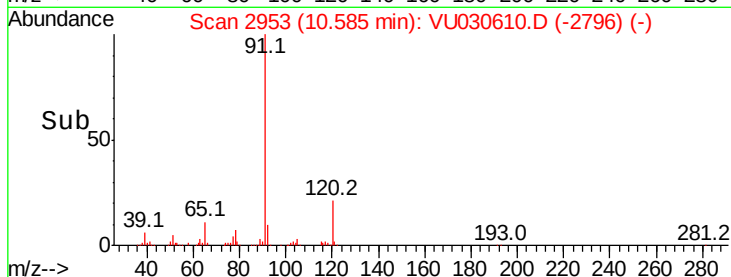
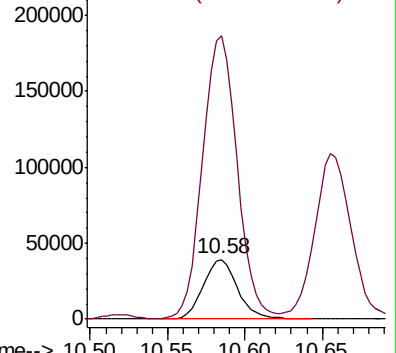
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 4.581 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU030610.D

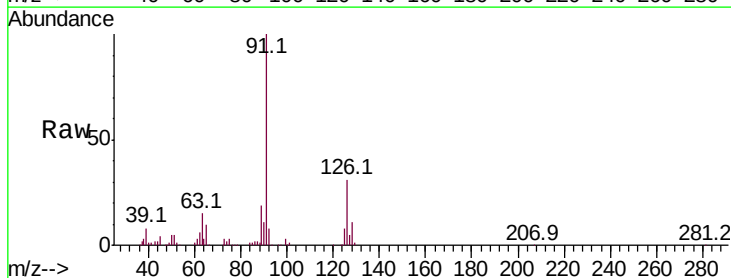
Acq: 02 Apr 2019 19:25

Tgt Ion:126 Resp: 54107

Ion Ratio Lower Upper

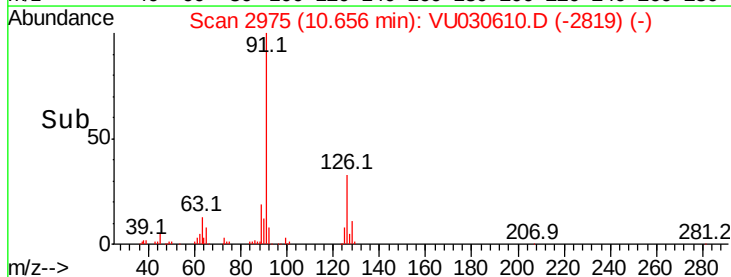
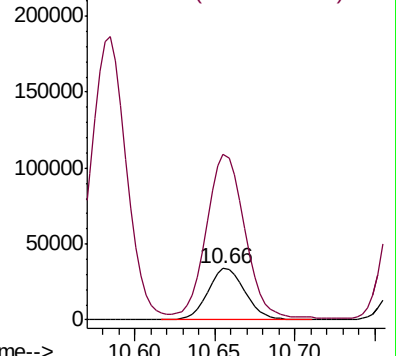
126 100

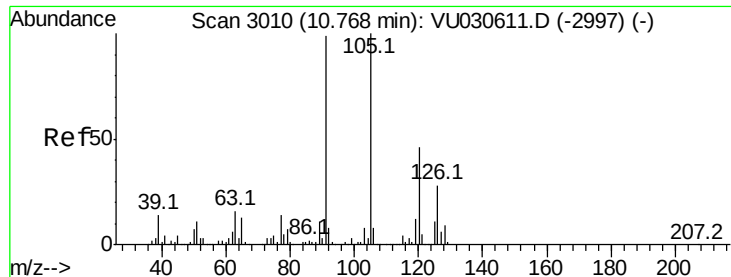
91 332.6 0.0 643.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 4.897 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 199662

Ion Ratio Lower Upper

105 100

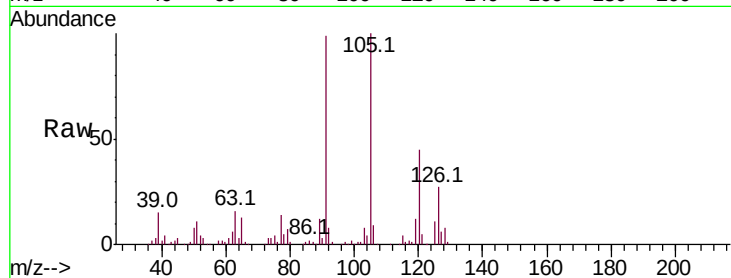
120 46.0 37.2 55.8

Manual Integrations

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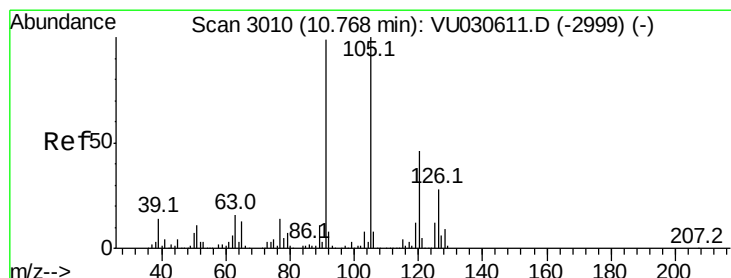
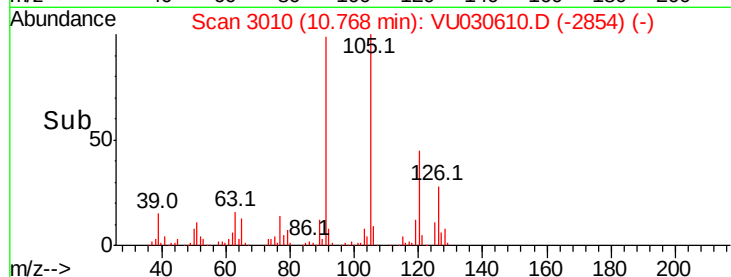
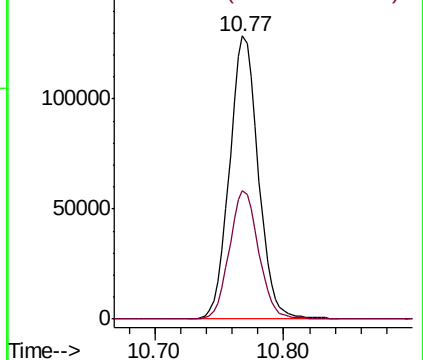
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 4.766 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030610.D

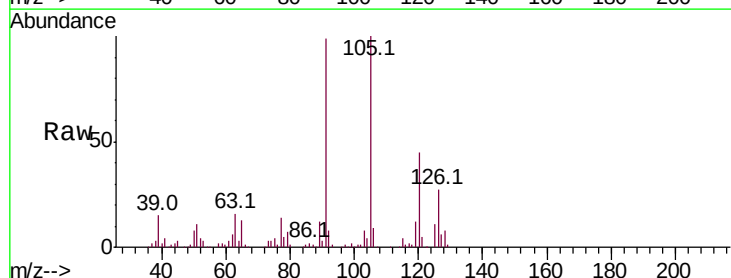
Acq: 02 Apr 2019 19:25

Tgt Ion:126 Resp: 57356

Ion Ratio Lower Upper

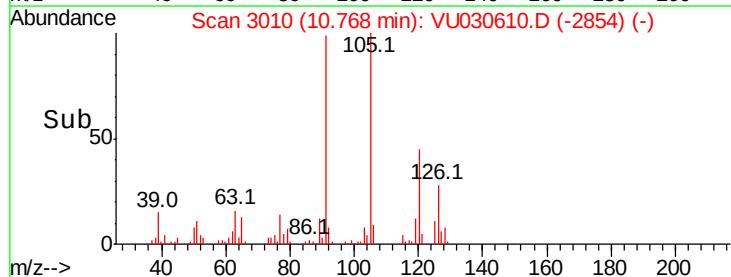
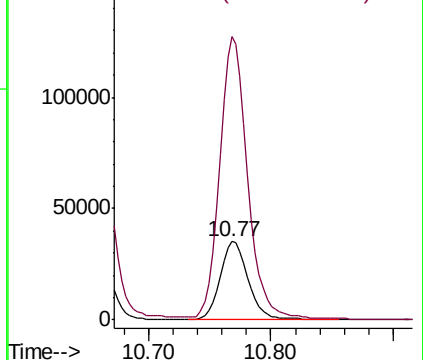
126 100

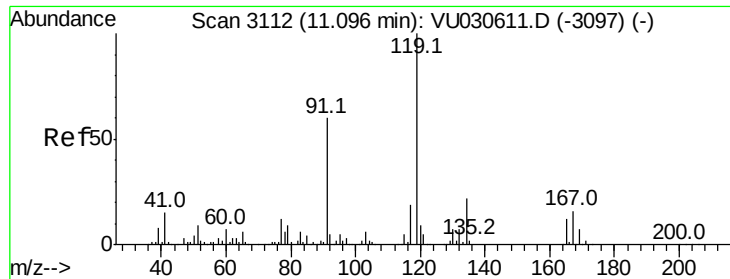
91 355.6 0.0 724.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 4.704 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030610.D

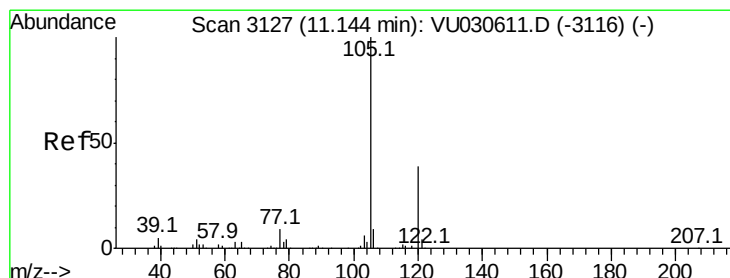
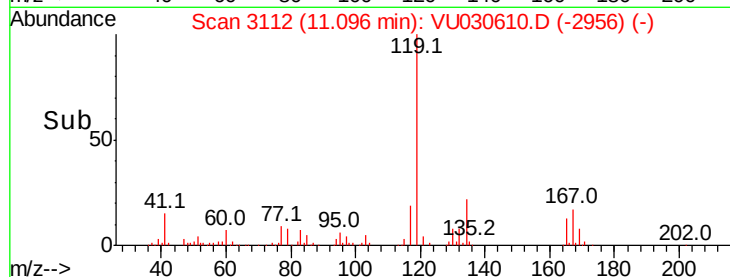
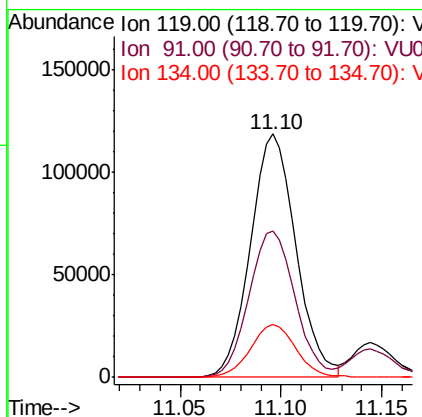
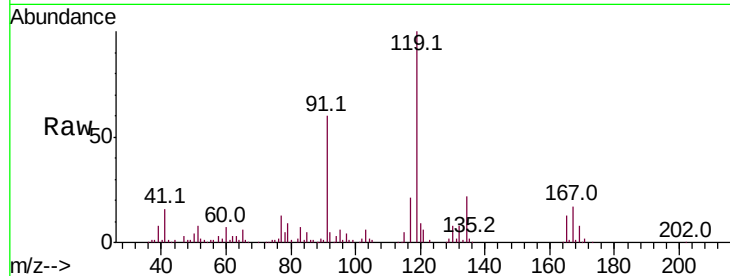
Acq: 02 Apr 2019 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.7	92.1
134	22.1	17.5	26.3

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#78

1,2,4-Trimethylbenzene

Concen: 4.772 ug/l

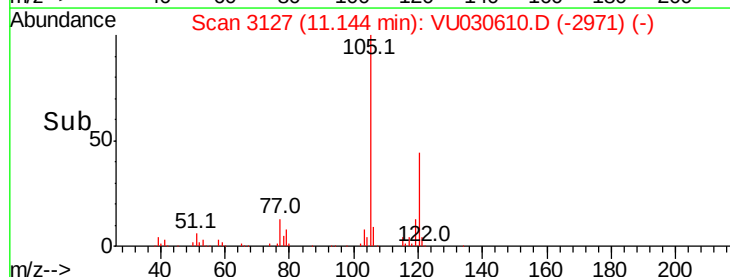
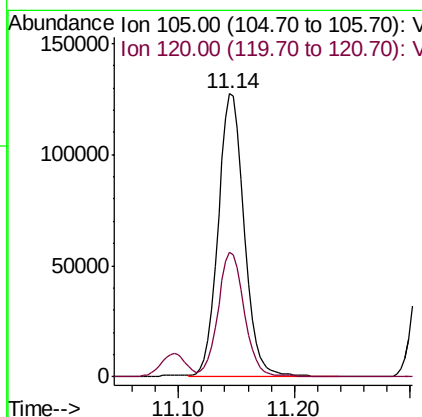
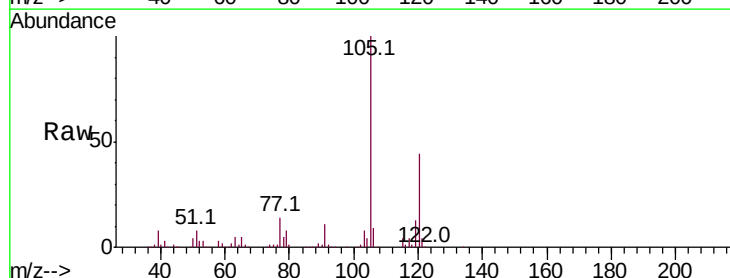
RT: 11.14 min Scan# 3127

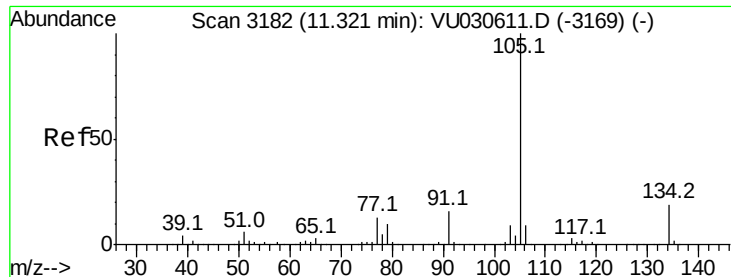
Delta R.T. 0.00 min

Lab File: VU030610.D

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Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.5





#79

sec-Butylbenzene

Concen: 4.785 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 255232

Ion Ratio Lower Upper

105 100

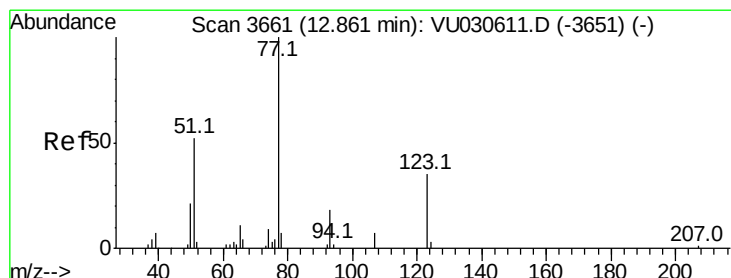
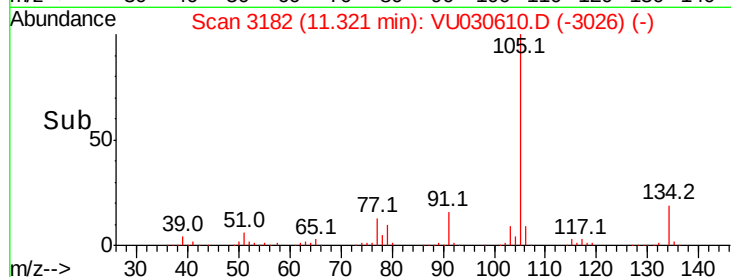
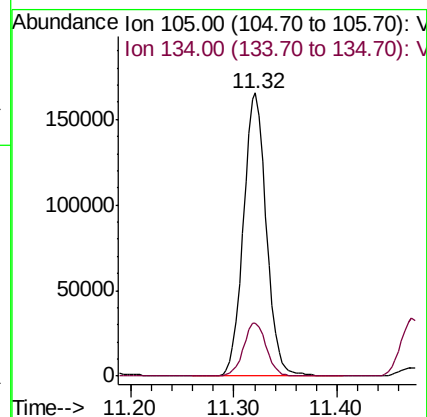
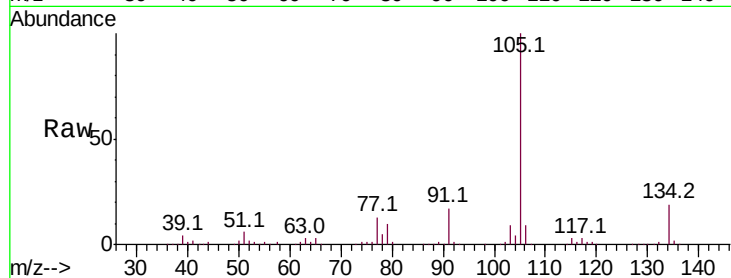
134 19.0 15.0 22.6

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#80

Nitrobenzene

Concen: 33.624 ug/l

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

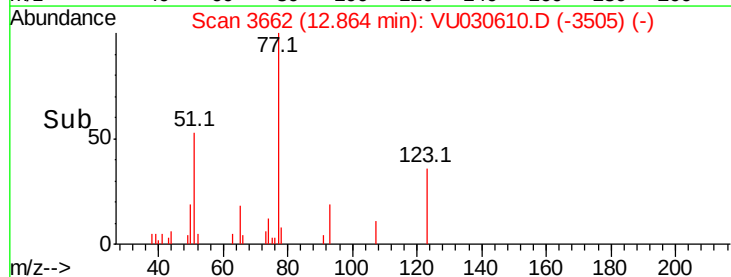
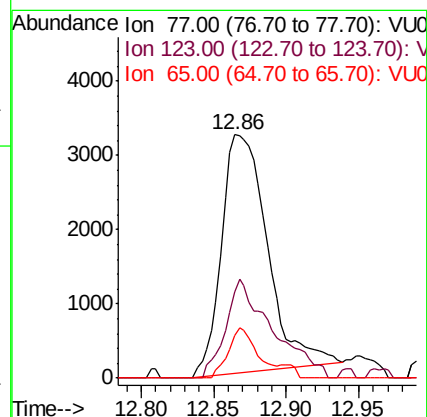
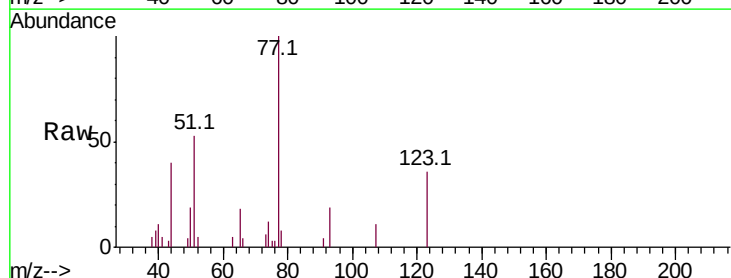
Tgt Ion: 77 Resp: 7116

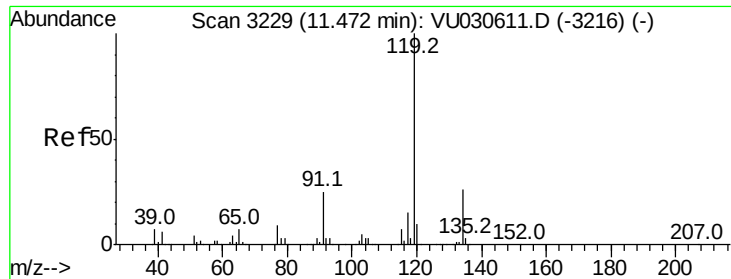
Ion Ratio Lower Upper

77 100

123 41.9 16.5 58.5

65 10.1 11.2 14.2#





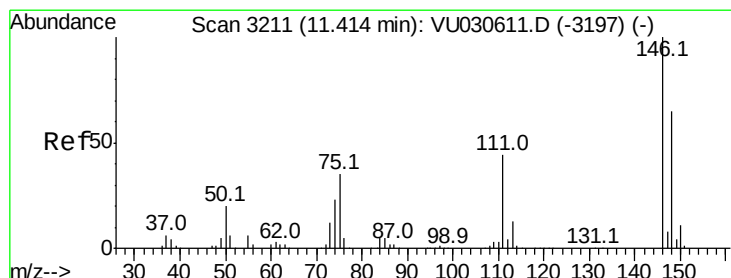
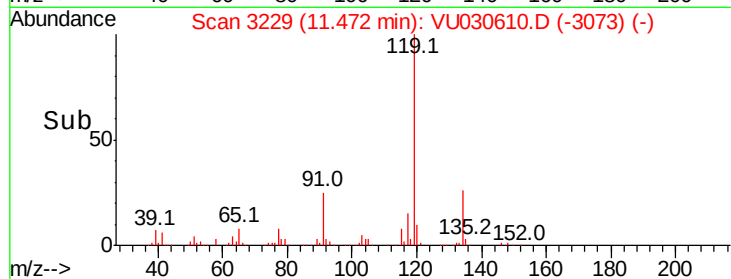
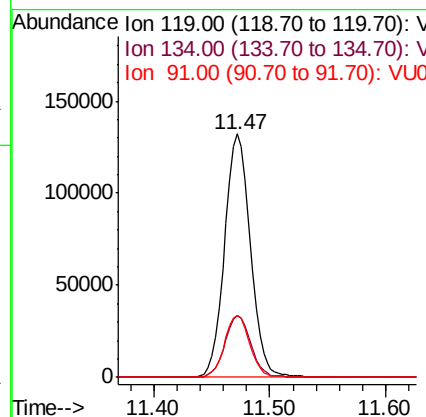
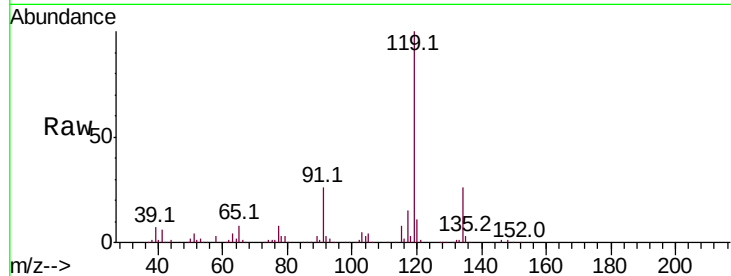
#81
 p-Isopropyltoluene
 Concen: 4.579 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.3	30.5
91	24.9	20.2	30.4

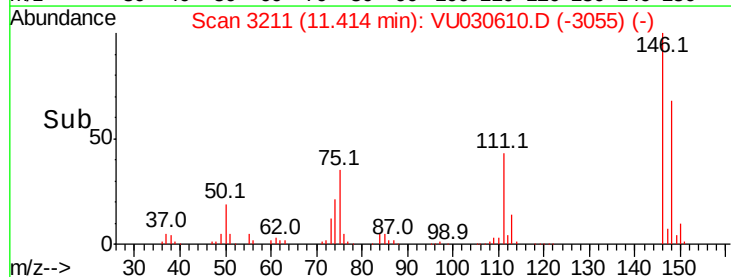
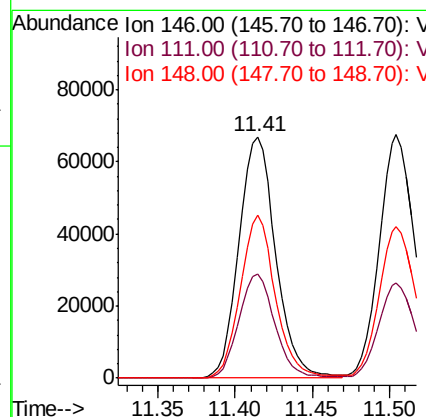
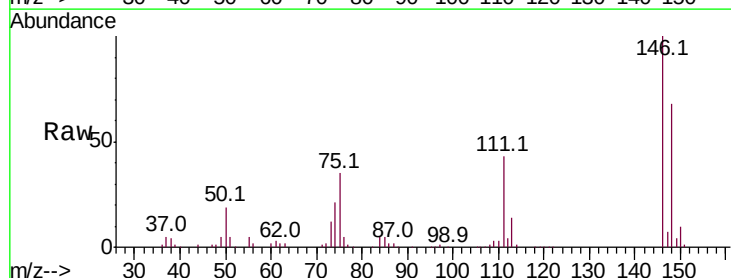
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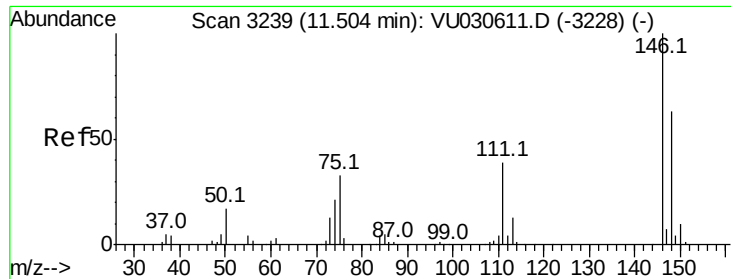
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#82
 1,3-Dichlorobenzene
 Concen: 4.450 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	34.6	51.8
148	64.4	51.3	76.9





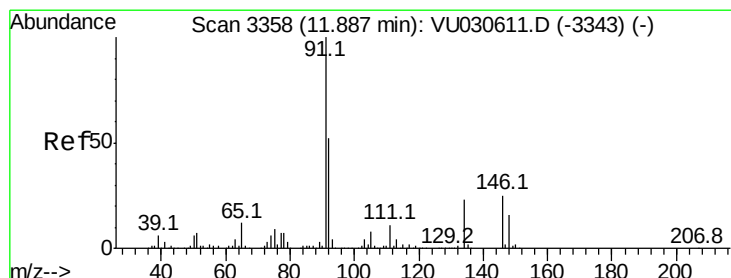
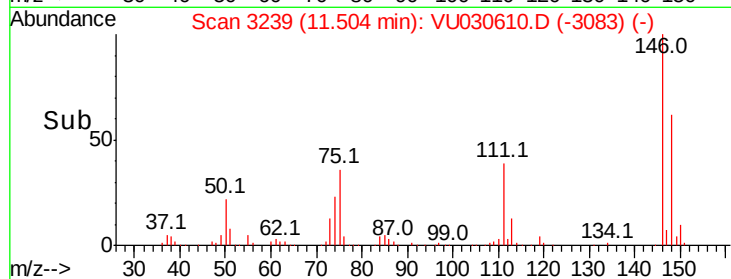
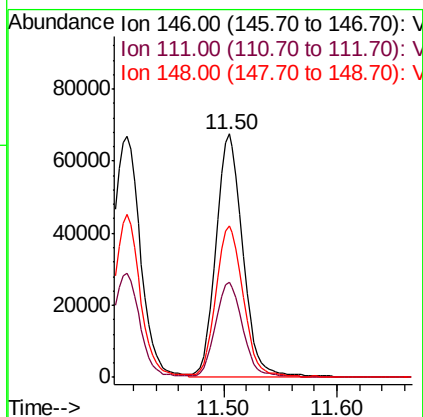
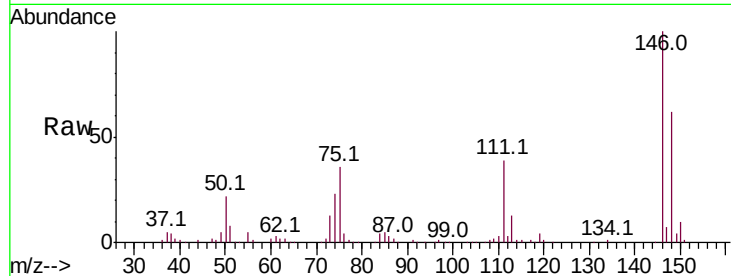
#83
 1,4-Dichlorobenzene
 Concen: 4.413 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	32.2	48.2
148	63.2	51.0	76.6

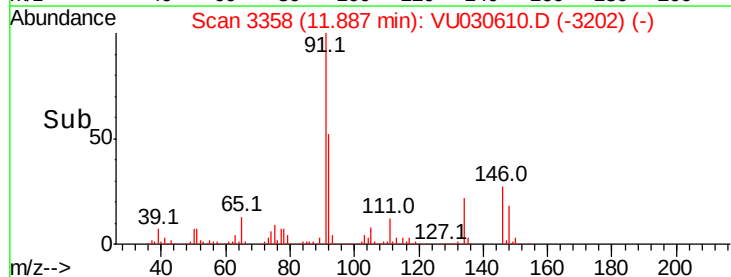
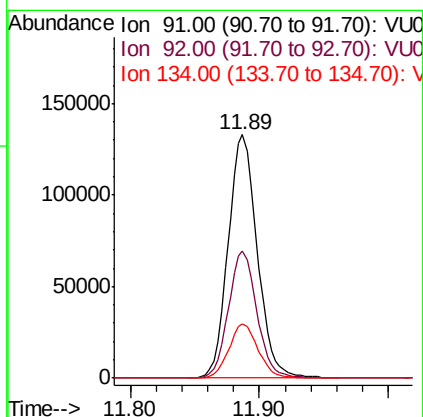
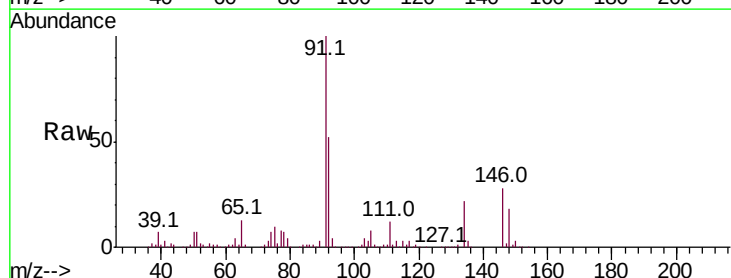
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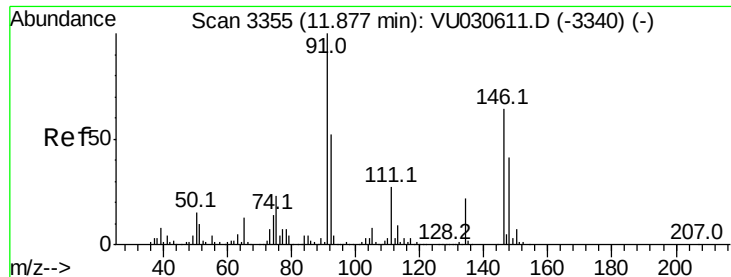
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#84
 n-Butylbenzene
 Concen: 4.928 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.3	41.3	61.9
134	22.4	18.2	27.4





#85

1,2-Dichlorobenzene

Concen: 4.466 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

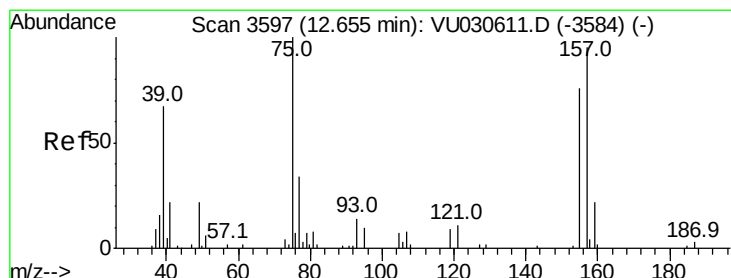
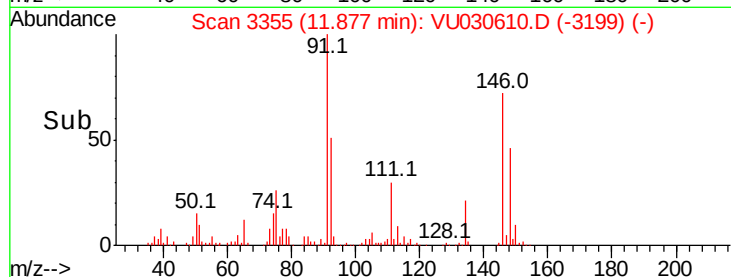
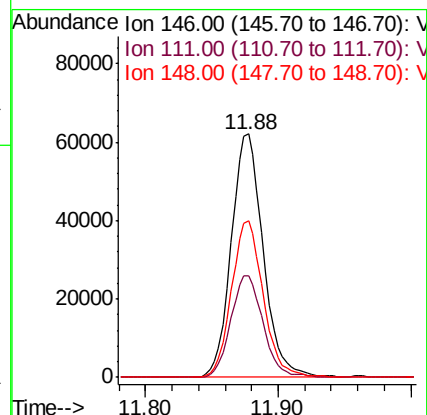
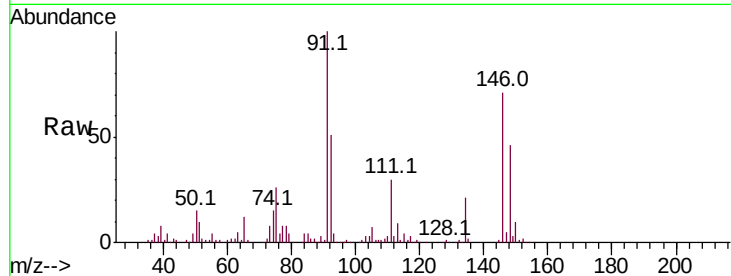
VSTDIC005

Tot Ion:	146	Resp:	103706
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.3
148	64.2	31.7	95.1

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#86

1,2-Dibromo-3-Chloropropane

Concen: 6.389 ug/l

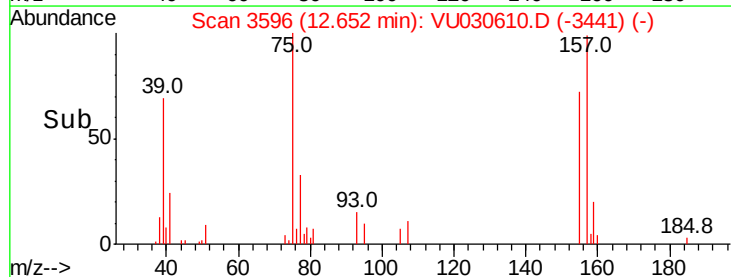
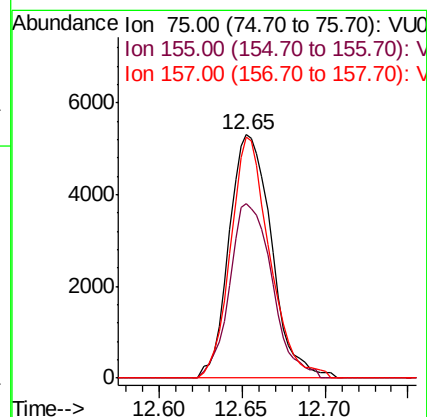
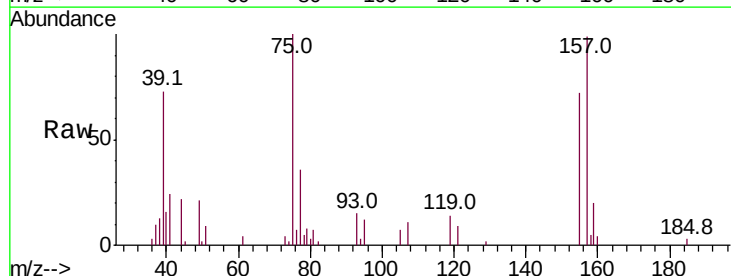
RT: 12.65 min Scan# 3596

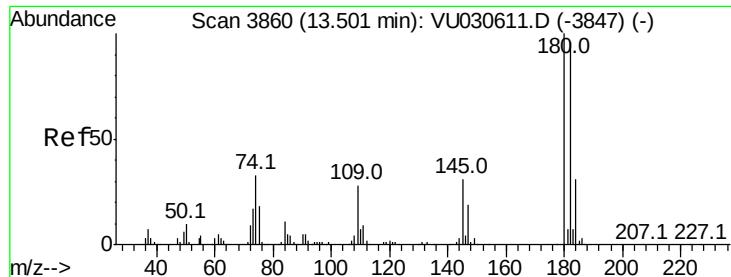
Delta R.T. -0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Tgt Ion:	75	Resp:	9390
Ion	Ratio	Lower	Upper
75	100		
155	72.0	61.3	91.9
157	91.7	77.4	116.0





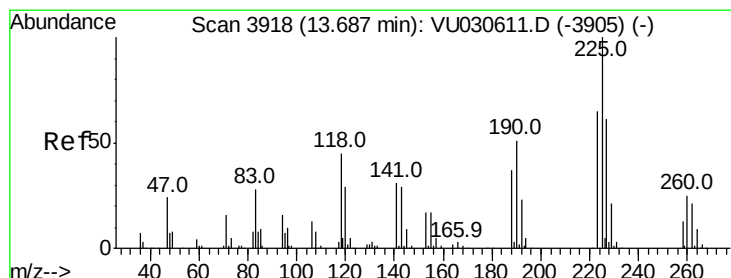
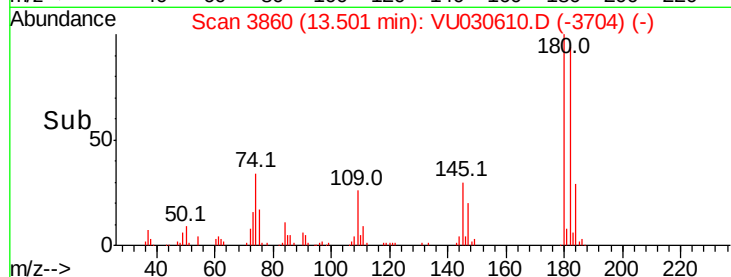
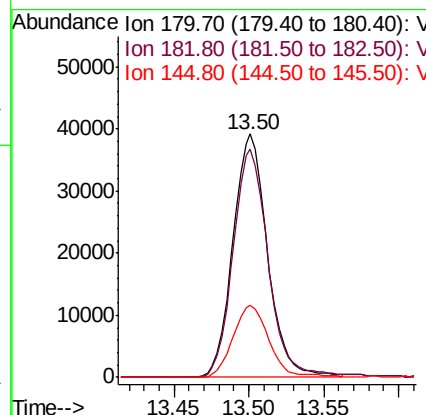
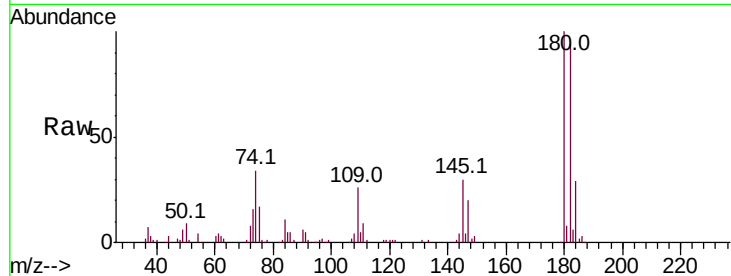
#87
 1,2,4-Trichlorobenzene
 Concen: 3.863 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	78.2	117.4
145	30.8	24.4	36.6

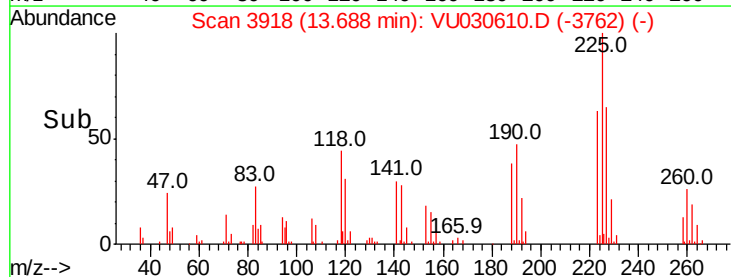
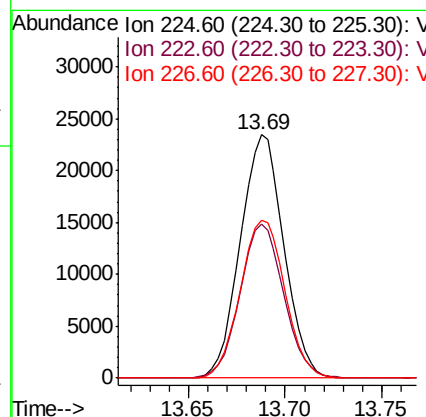
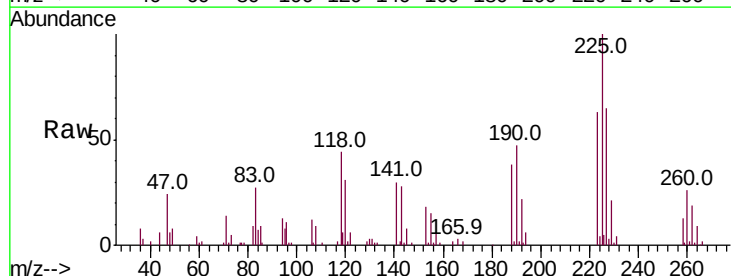
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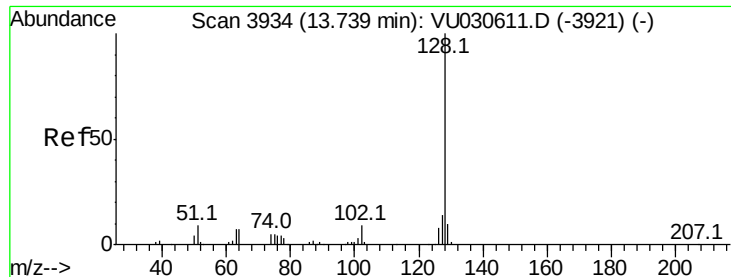
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#88
 Hexachlorobutadiene
 Concen: 4.091 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030610.D
 Acq: 02 Apr 2019 19:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	52.6	78.8
227	66.4	50.5	75.7





#89

Naphthalene

Concen: 4.403 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Instrument :

MSVOA_U

ClientSampleId :

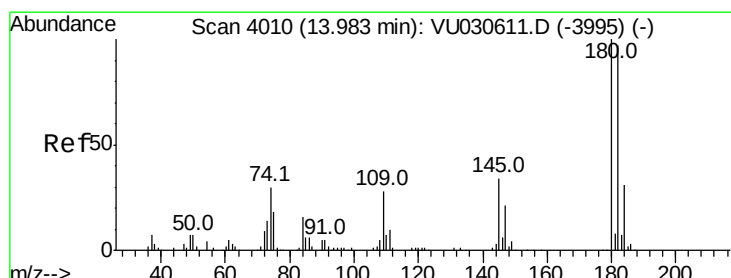
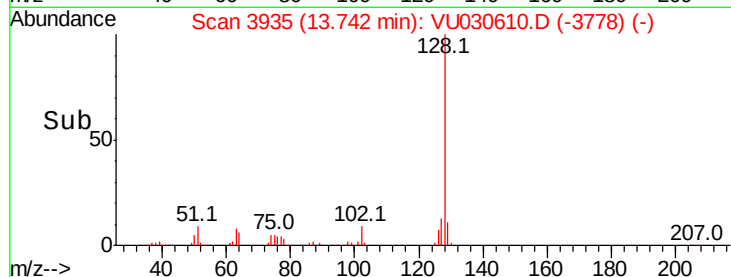
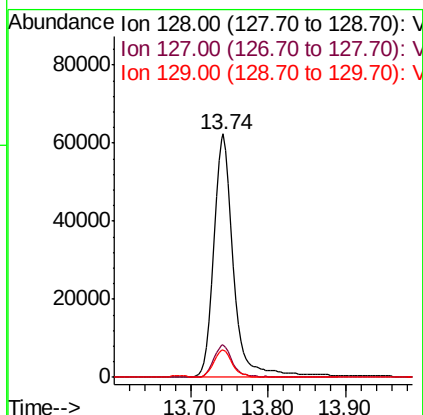
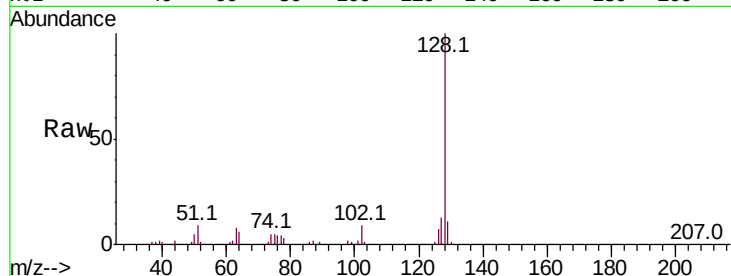
VSTDIC005

Tot Ion:	128	Resp:	114035
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.7	16.1
129	10.6	8.5	12.7

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#90

1,2,3-Trichlorobenzene

Concen: 4.118 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030610.D

Acq: 02 Apr 2019 19:25

Tgt Ion:	180	Resp:	61844
Ion Ratio	Lower	Upper	
180	100		
182	98.0	77.4	116.0
145	32.4	26.2	39.2

