

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U022619\
 Data File : VU029677.D
 Acq On : 26 Feb 2019 13:07
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 9:32:09 AM

Quant Time: Feb 27 00:53:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	66062	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	26223	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	30046	1.14	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	225620	9.151	ug/l	98
3) Chloromethane	1.33	50	175031	7.769	ug/l	99
4) Vinyl Chloride	1.40	62	231395	8.761	ug/l	99
5) Bromomethane	1.62	94	120978	8.235	ug/l	96
6) Chloroethane	1.69	64	139256	9.025	ug/l	96
7) Trichlorofluoromethane	1.88	101	328748	8.914	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	191648	9.841	ug/l	89
9) 1,1-Dichloroethene	2.28	96	186380	9.780	ug/l	65
10) Iodomethane	2.41	142	160678	5.764	ug/l #	74
11) Allyl Chloride	2.59	41	256920	8.039	ug/l #	81
12) Acrylonitrile	2.93	53	79458	18.602	ug/l	96
13) Acetone	2.32	43	177365	43.086	ug/l #	76
14) Carbon Disulfide	2.47	76	596934	8.871	ug/l	99
15) Methylene Chloride	2.69	84	212465	9.194	ug/l #	74
16) trans-1,2-Dichloroethene	2.97	96	207810	9.751	ug/l #	76
17) 1,1-Dichloroethane	3.44	63	322840	9.559	ug/l	96
18) 2-Butanone	4.27	43	232739	50.585	ug/l	95
19) Cyclohexane	4.99	56	237694	7.591	ug/l	85
20) Methylcyclohexane	6.41	83	333990	10.155	ug/l #	84
21) 2,2-Dichloropropane	4.22	77	284248	9.093	ug/l #	89
22) cis-1,2-Dichloroethene	4.22	96	217726	10.845	ug/l	74
23) Diethyl Ether	2.10	59	139602	9.122	ug/l	87
24) tert-Butyl Alcohol	2.83	59	143586	90.284	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	479157	8.929	ug/l #	80
26) Bromochloromethane	4.54	128	93504	10.544	ug/l	72
27) Chloroform	4.67	83	341001	10.383	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	294455	9.673	ug/l	95
29) 1,1-Dichloropropene	5.13	75	262336	9.927	ug/l	92
30) Carbon Tetrachloride	5.13	117	264056	9.582	ug/l	98
31) Isopropyl Ether	3.58	45	467043	9.165	ug/l	90
32) Ethyl-t-butyl ether	4.07	59	475701	9.315	ug/l	89
33) Tert-Amyl methyl ether	5.58	73	450367	9.753	ug/l	99
34) Propionitrile	4.33	54	68549	56.682	ug/l #	94
35) Benzene	5.38	78	768201	10.512	ug/l	98
36) 1,2-Dichloroethane	5.40	62	211907	9.587	ug/l #	89
37) Trichloroethene	6.18	130	224752	10.717	ug/l	86
38) 1,2-Dichloropropane	6.43	63	192903	10.147	ug/l	99
39) Methacrylonitrile	4.55	41	56790	9.170	ug/l #	86
40) Methyl acrylate	4.42	55	92631	9.908	ug/l #	92
41) Tetrahydrofuran	4.65	42	57191	18.332	ug/l #	80
42) 1-Chlorobutane	5.06	56	349741	9.878	ug/l	84

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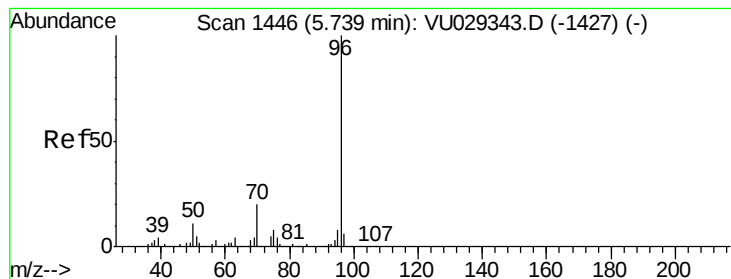
Manual Integrations
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MMDadoda
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Quant Time: Feb 27 00:53:00 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	102678	10.135	ug/l	89
44) Bromodichloromethane	6.75	83	251122	9.728	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	559264	47.093	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.51	75	98043m	16.945	ug/l	
47) Methyl methacrylate	6.62	69	183574	20.595	ug/l #	70
48) Ethyl methacrylate	8.02	69	187820	9.822	ug/l	77
49) Toluene	7.63	92	498801	10.666	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	231602	9.153	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	287030	9.549	ug/l #	84
52) 1,1,2-Trichloroethane	8.06	97	147490	10.997	ug/l	98
53) 1,3-Dichloropropane	8.24	76	243861	10.350	ug/l	100
54) 2-Hexanone	8.36	43	403485	48.470	ug/l	84
55) Dibromochloromethane	8.47	129	187861	9.855	ug/l	98
56) 1,2-Dibromoethane	8.58	107	141285	10.268	ug/l	99
58) Tetrachloroethene	8.22	164	224628	11.511	ug/l	92
59) Chlorobenzene	9.12	112	570032	10.821	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	197683	10.156	ug/l	96
61) Pentachloroethane	11.10	117	150172	9.954	ug/l	91
62) Hexachloroethane	12.14	117	160815	9.766	ug/l	98
63) Ethyl Benzene	9.25	91	967541	10.576	ug/l	96
64) m/p-Xylenes	9.37	106	771315	21.695	ug/l	87
65) o-Xylene	9.77	106	376086	10.777	ug/l	86
66) Styrene	9.79	104	635360	10.922	ug/l	92
67) Bromoform	9.95	173	114096	9.621	ug/l	100
69) Isopropylbenzene	10.16	105	996581	10.689	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.45	83	187069	10.882	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	132813m	11.251	ug/l	
72) Bromobenzene	10.45	156	254710	11.271	ug/l	84
73) n-propylbenzene	10.58	120	284060	10.938	ug/l	82
74) 2-Chlorotoluene	10.66	126	238935	10.805	ug/l	83
75) 1,3,5-Trimethylbenzene	10.77	105	849601	10.569	ug/l	95
76) 4-Chlorotoluene	10.77	126	254500	11.089	ug/l	77
77) tert-Butylbenzene	11.10	119	849715	10.694	ug/l	90
78) 1,2,4-Trimethylbenzene	11.14	105	870341	10.695	ug/l	94
79) sec-Butylbenzene	11.32	105	1129027	10.860	ug/l	96
80) Nitrobenzene	12.86	77	20622	26.926	ug/l #	92
81) p-Isopropyltoluene	11.47	119	961419	10.910	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	505219	11.394	ug/l	95
83) 1,4-Dichlorobenzene	11.50	146	503534	11.403	ug/l	96
84) n-Butylbenzene	11.89	91	879924	10.881	ug/l	96
85) 1,2-Dichlorobenzene	11.87	146	466871	11.137	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.65	75	29111	9.074	ug/l #	60
87) 1,2,4-Trichlorobenzene	13.50	180	336683	11.434	ug/l	98
88) Hexachlorobutadiene	13.69	225	195411	11.459	ug/l	99
89) Naphthalene	13.74	128	557573	11.165	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	302988	11.259	ug/l	97

(#) = 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: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

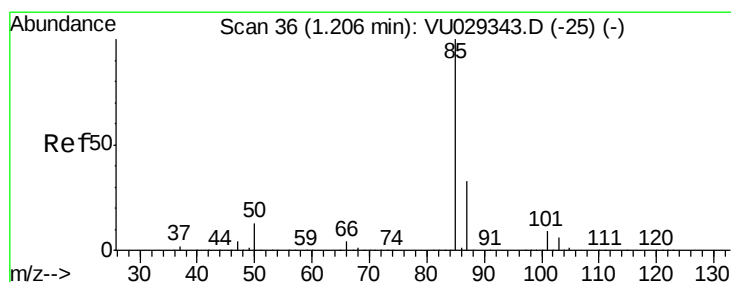
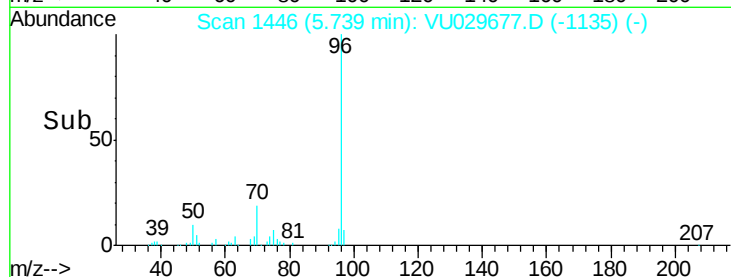
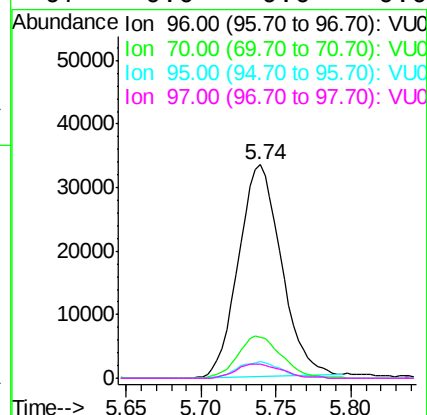
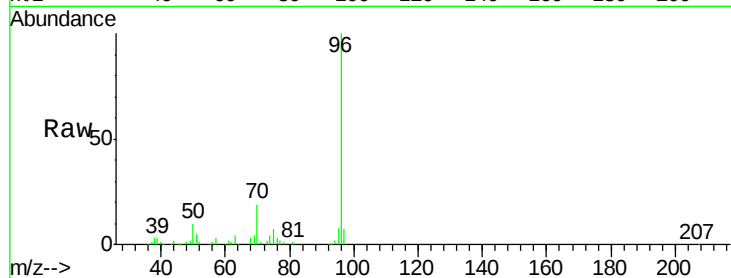
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	66062
Ion	Ratio	Lower	Upper
96	100		
70	20.7	16.2	24.2
95	8.2	7.4	11.2
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 9.151 ug/l

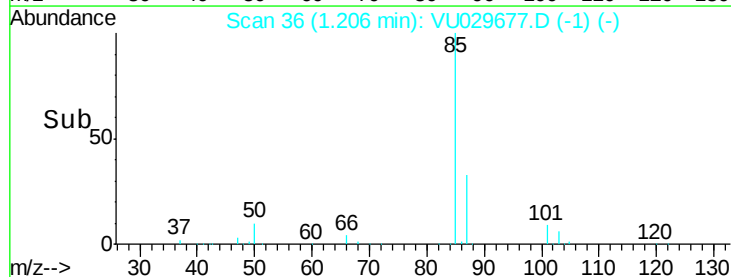
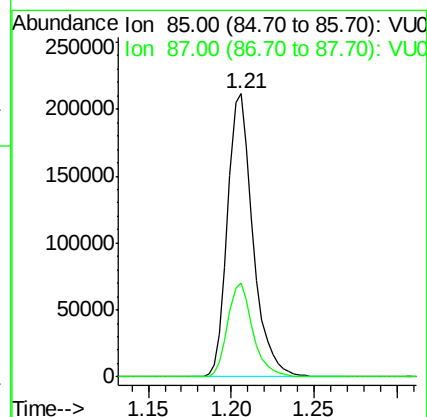
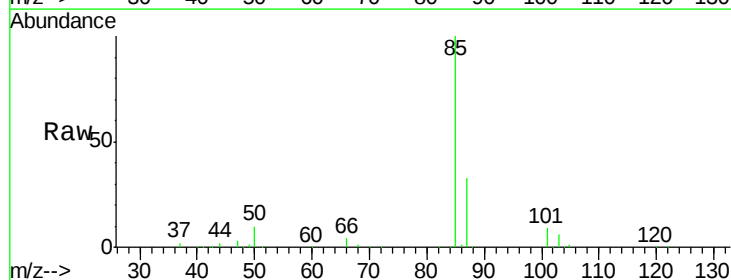
RT: 1.21 min Scan# 36

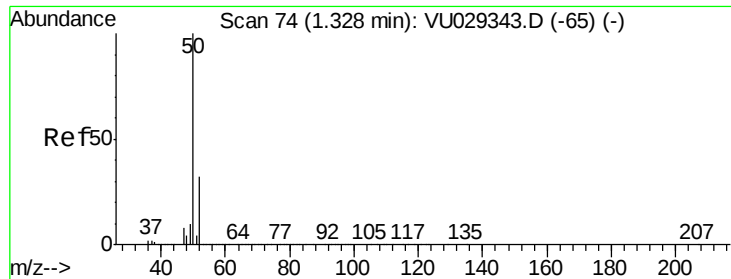
Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Tgt Ion:	85	Resp:	225620
Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.9	47.6





#3

Chloromethane

Concen: 7.769 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 175031

Ion Ratio Lower Upper

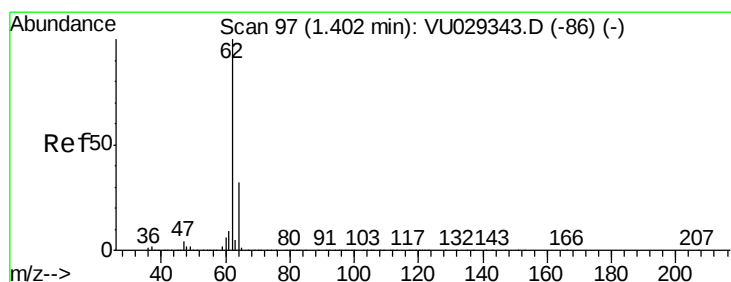
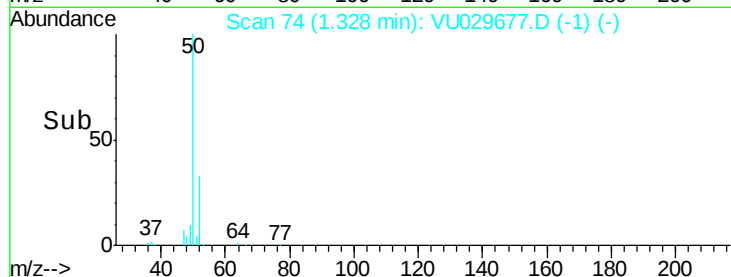
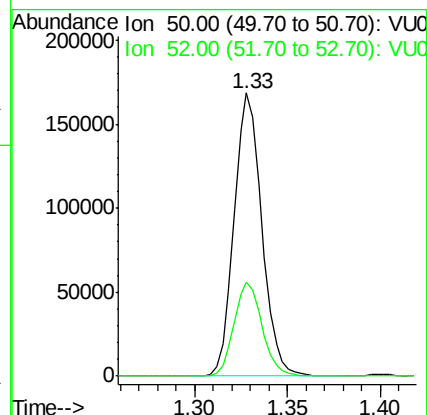
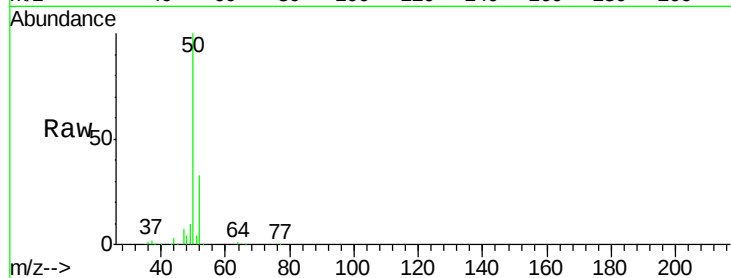
50 100

52 33.4 27.3 40.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 8.761 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029677.D

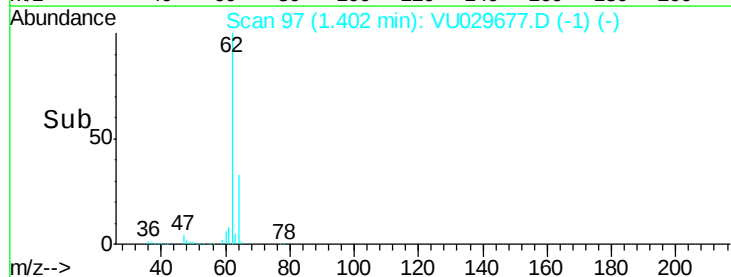
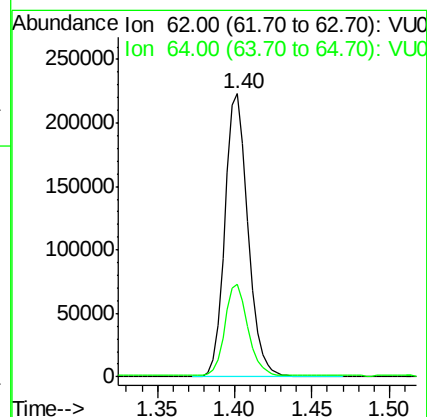
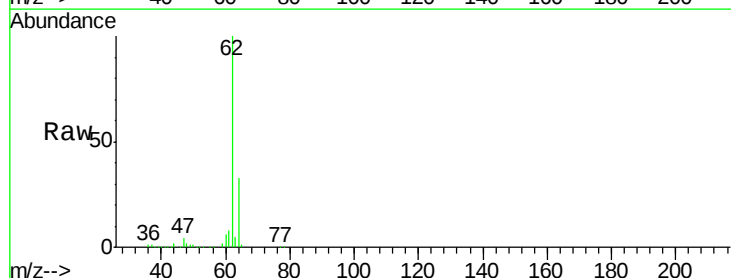
Acq: 26 Feb 2019 13:07

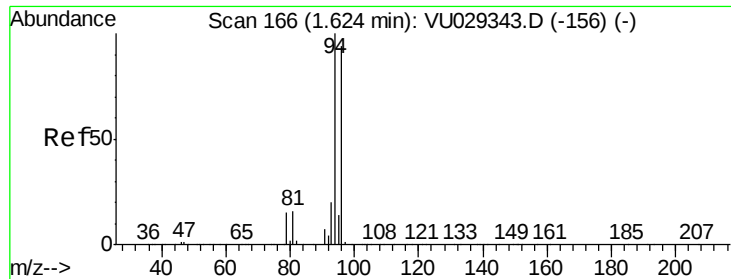
Tgt Ion: 62 Resp: 231395

Ion Ratio Lower Upper

62 100

64 32.2 25.2 37.8





#5

Bromomethane

Concen: 8.235 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 120978

Ion Ratio Lower Upper

94 100

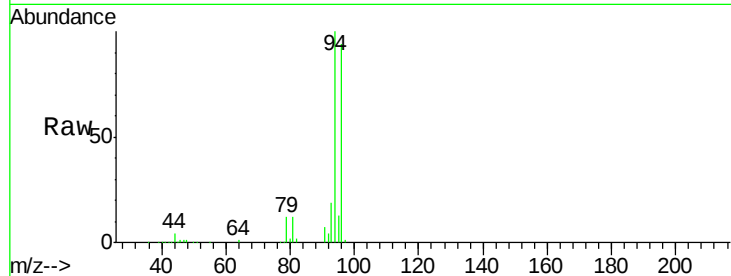
96 93.5 71.7 107.5

Manual Integrations

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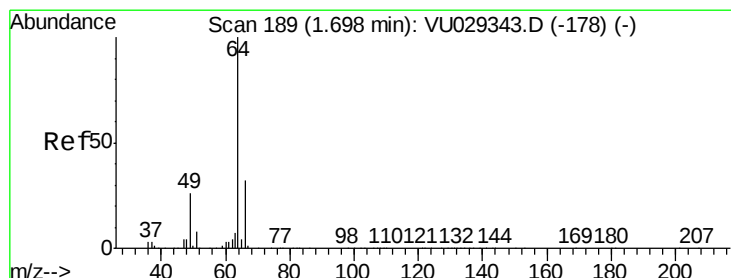
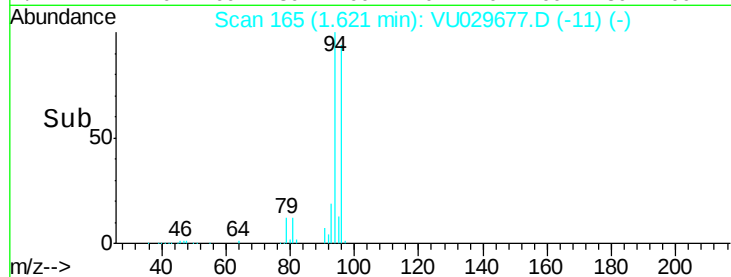
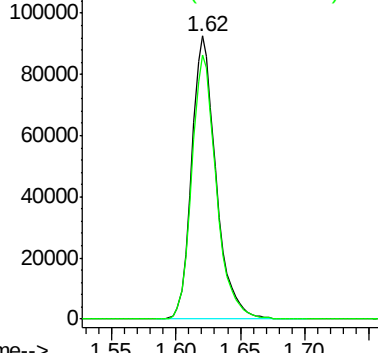
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 9.025 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029677.D

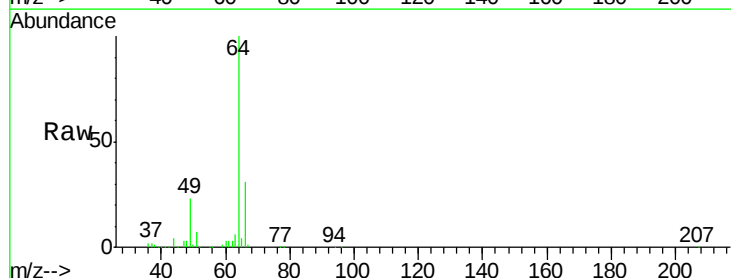
Acq: 26 Feb 2019 13:07

Tgt Ion: 64 Resp: 139256

Ion Ratio Lower Upper

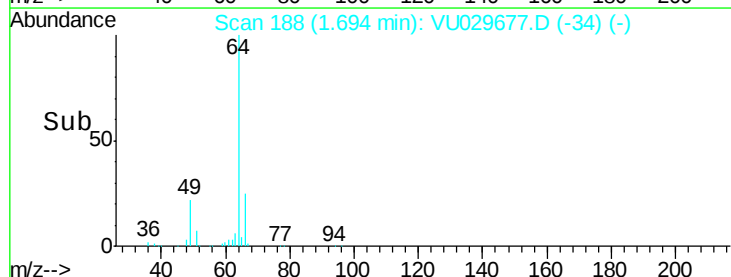
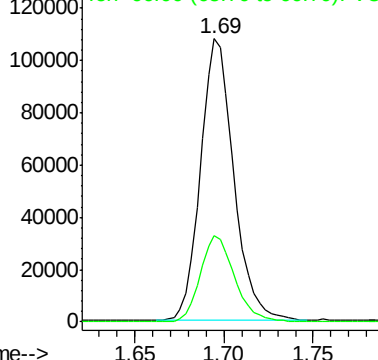
64 100

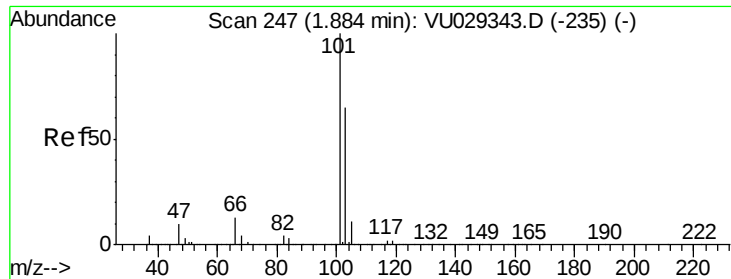
66 30.7 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

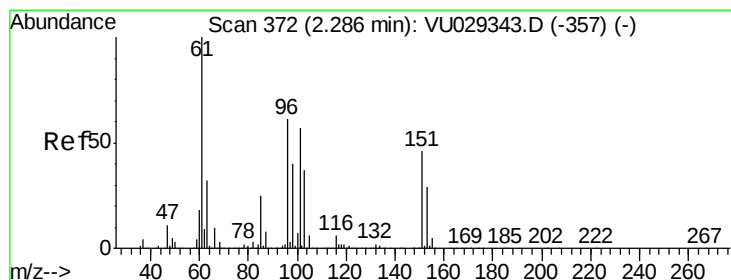
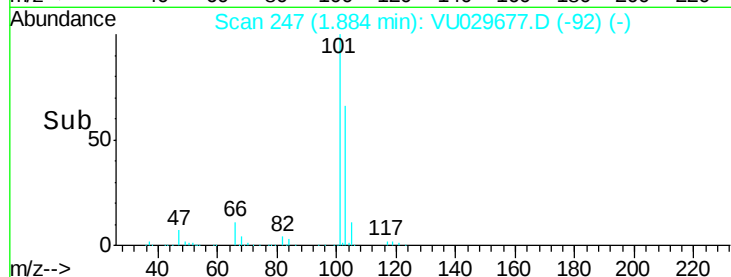
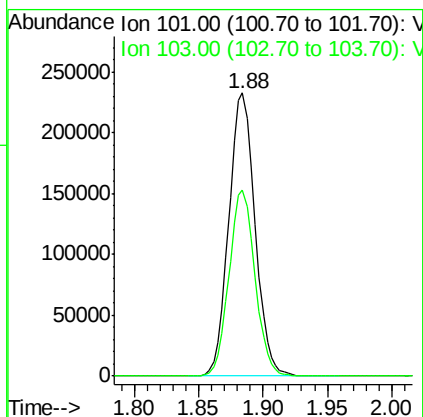
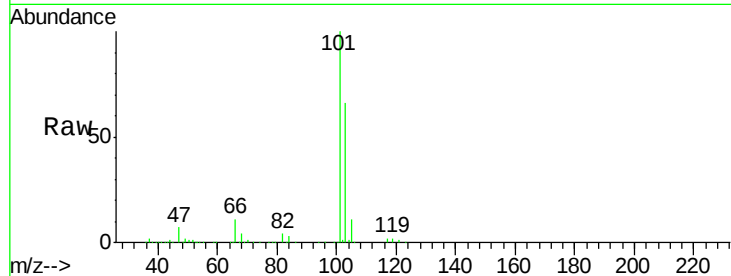
Trichlorofluoromethane
Concen: 8.914 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029677.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.9	80.9

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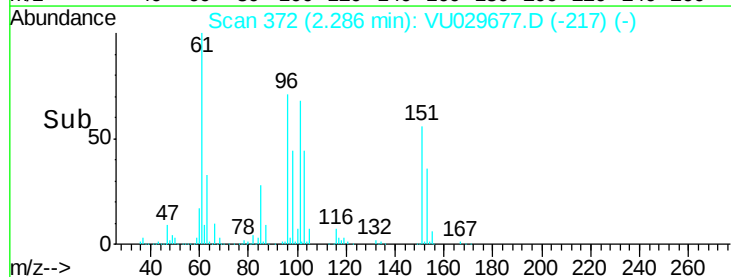
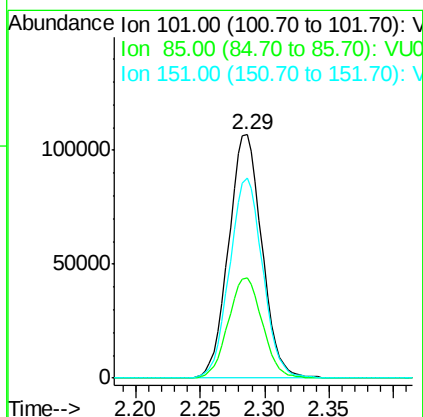
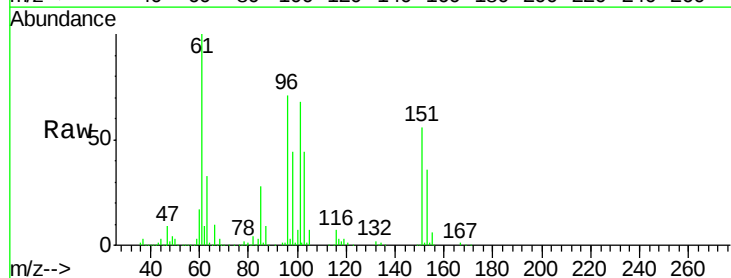
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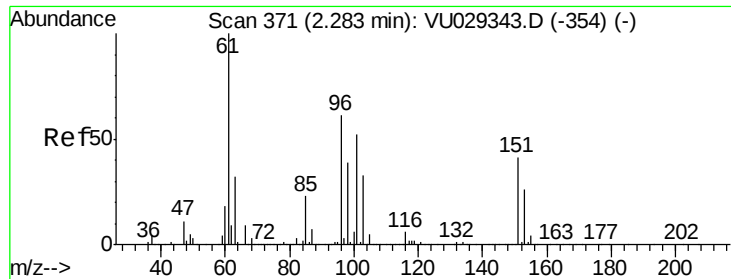


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.841 ug/l
RT: 2.29 min Scan# 372
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.1	40.3	60.5
151	81.8	58.1	87.1





#9

1,1-Dichloroethene

Concen: 9.780 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

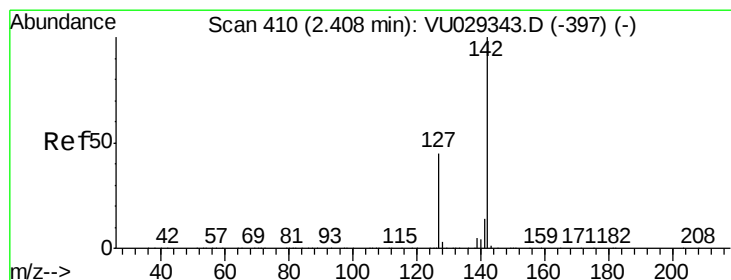
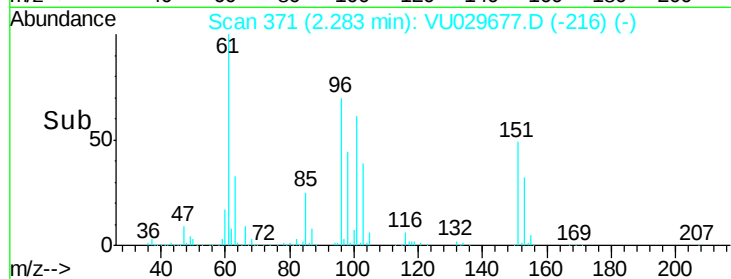
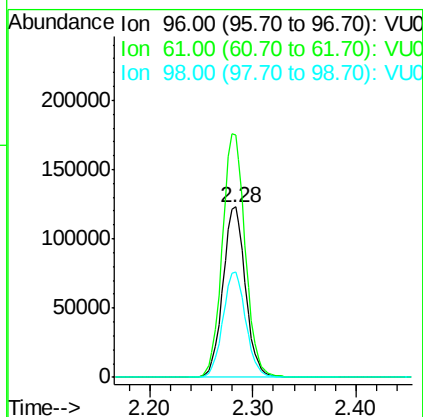
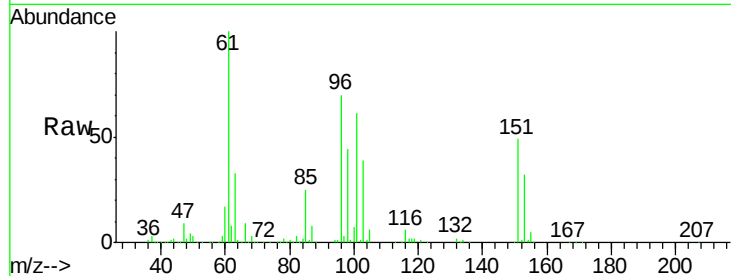
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	186380
Ion Ratio	Lower	Upper	
96	100		
61	142.5	0.0	641.4
98	62.0	0.0	122.6

Manual Integrations
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3/5/2019 9:32:09 AM



#10

Iodomethane

Concen: 5.764 ug/l

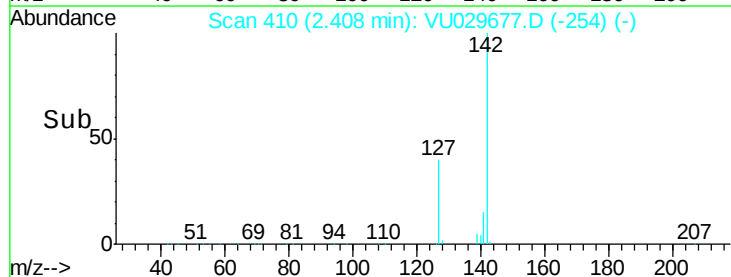
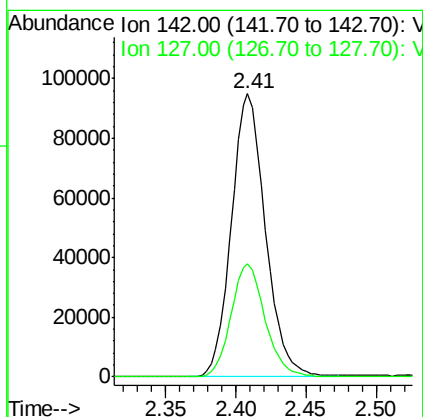
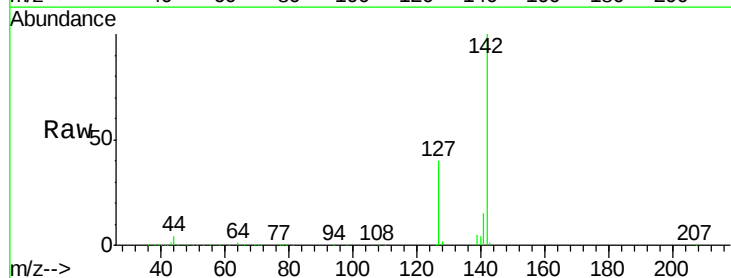
RT: 2.41 min Scan# 410

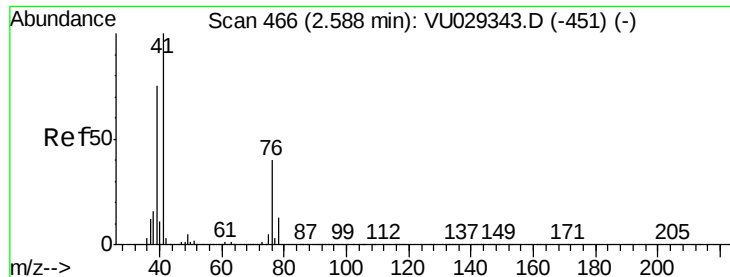
Delta R.T. 0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Tgt Ion:	142	Resp:	160678
Ion Ratio	Lower	Upper	
142	100		
127	39.8	47.6	71.4#





#11

Allvl Chloride

Concen: 8.039 ug/l

RT: 2.59 min Scan# 466

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 256920

Ion Ratio Lower Upper

41 100

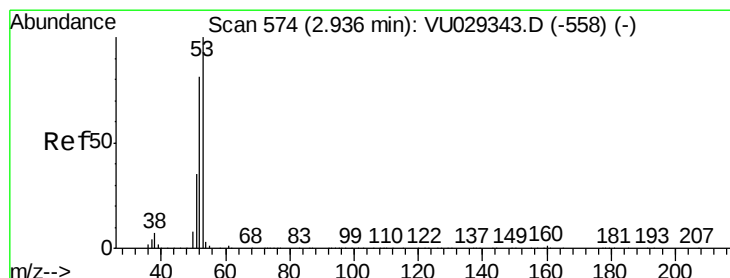
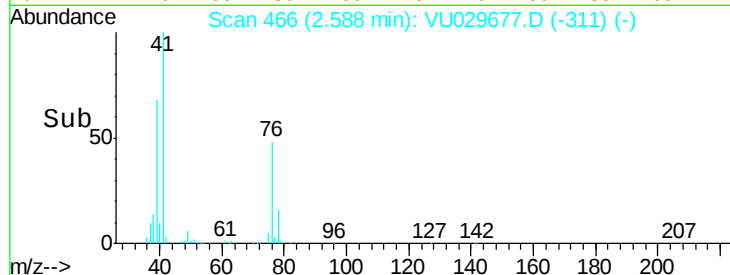
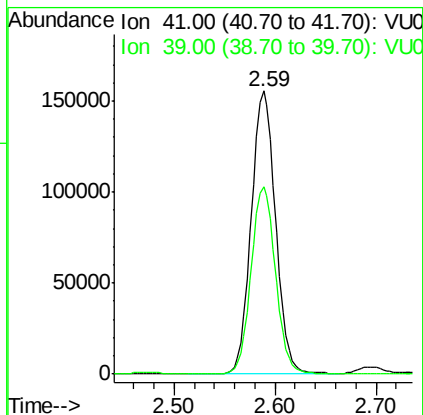
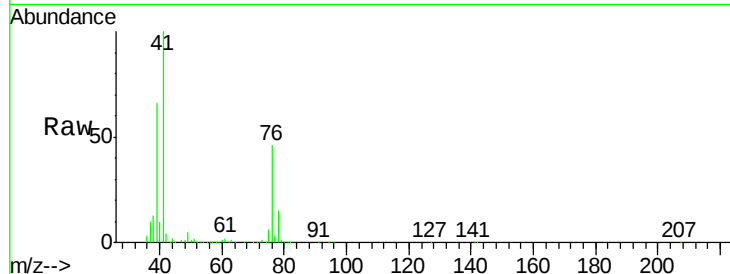
39 66.5 67.2 100.8#

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#12

Acrylonitrile

Concen: 18.602 ug/l

RT: 2.93 min Scan# 573

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

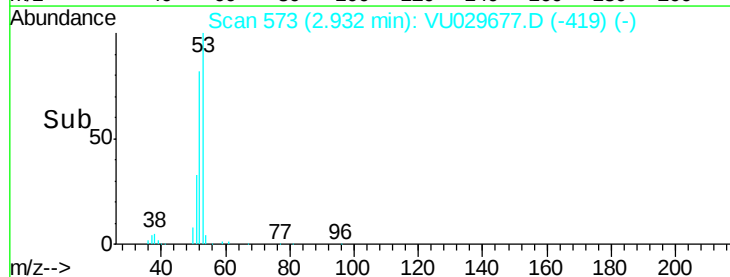
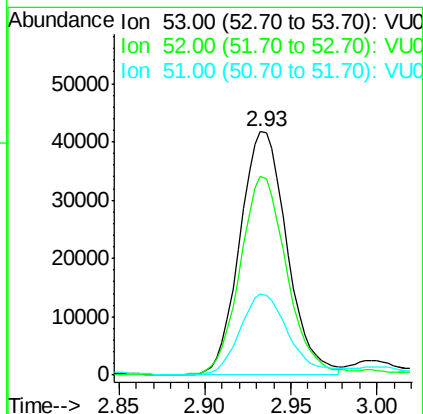
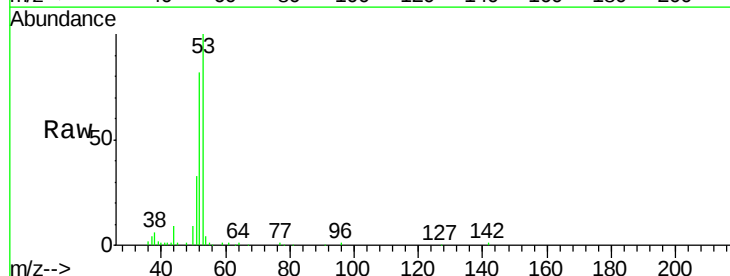
Tgt Ion: 53 Resp: 79458

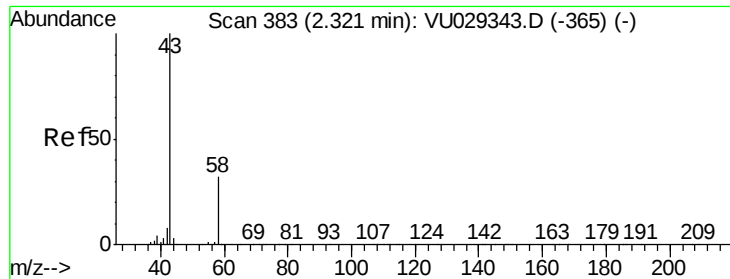
Ion Ratio Lower Upper

53 100

52 81.1 67.6 101.4

51 35.2 31.0 46.4





#13

Acetone

Concen: 43.086 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 177365

Ion Ratio Lower Upper

43 100

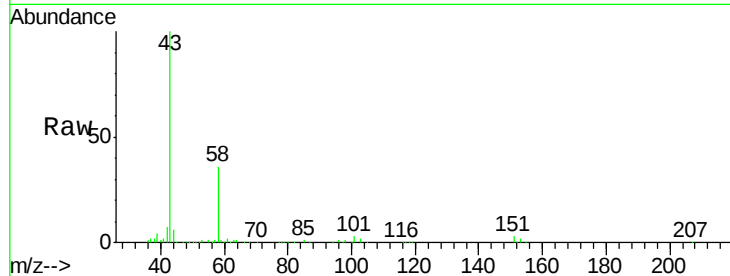
58 36.0 19.2 28.8#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

120000

100000

80000

60000

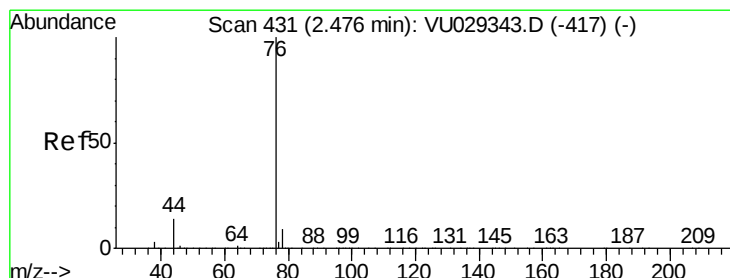
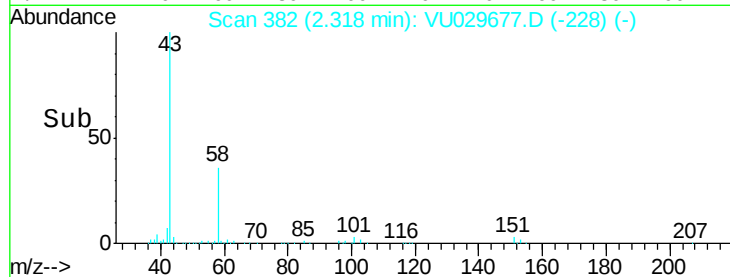
40000

20000

0

2.32

Time-->



#14

Carbon Disulfide

Concen: 8.871 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029677.D

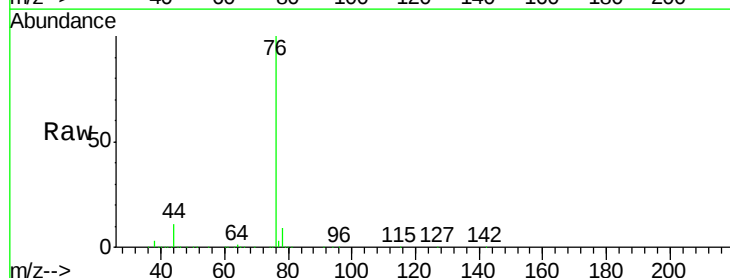
Acq: 26 Feb 2019 13:07

Tgt Ion: 76 Resp: 596934

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

400000

300000

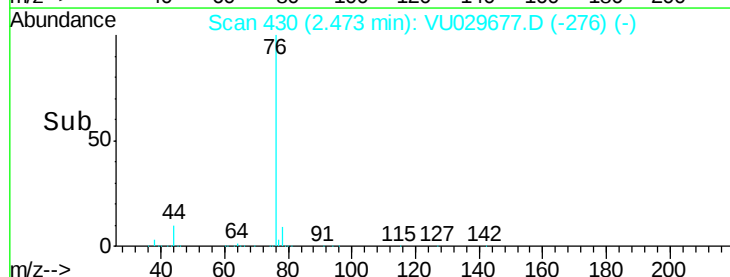
200000

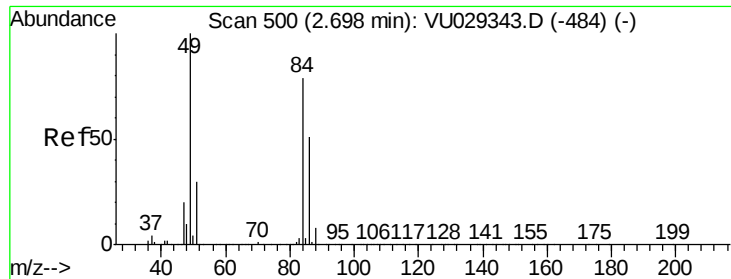
100000

0

2.47

Time-->





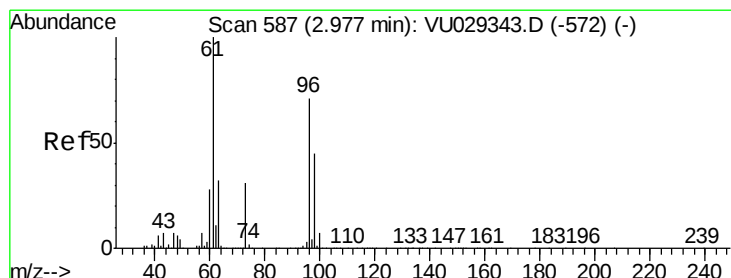
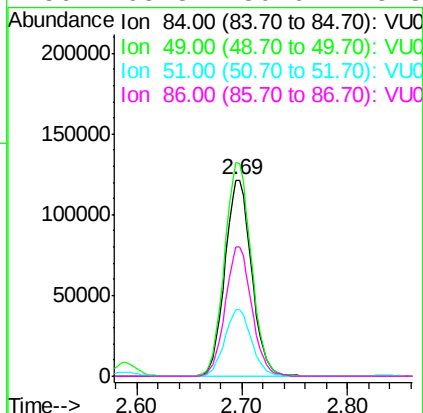
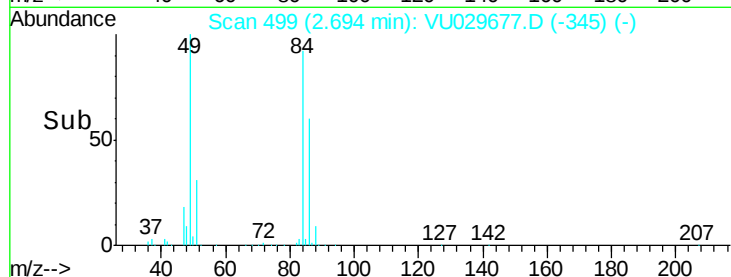
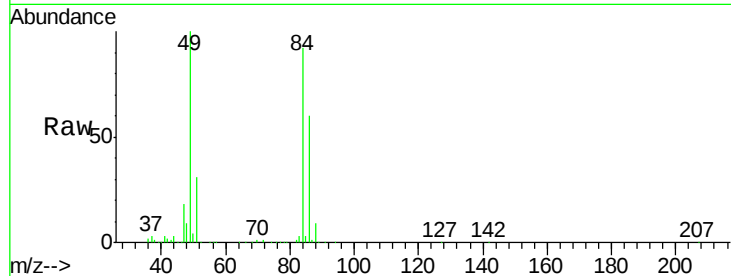
#15
Methvlene Chloride
Concen: 9.194 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
84	100		
49	109.0	127.0	190.6#
51	34.0	0.0	93.4
86	65.8	50.6	75.8

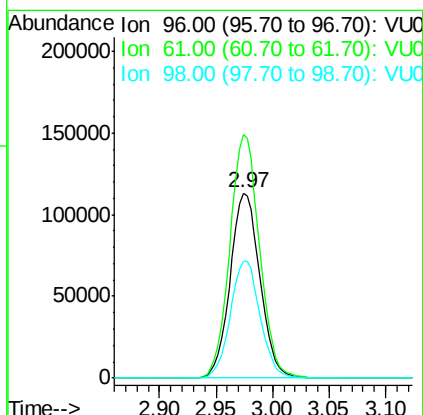
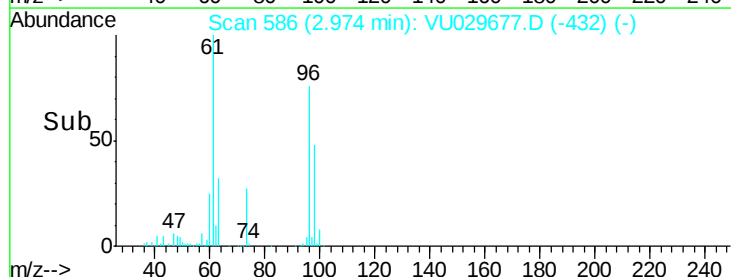
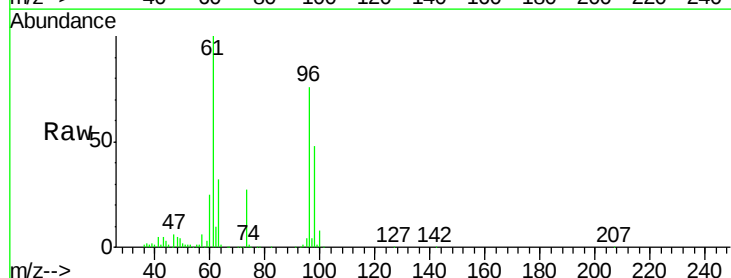
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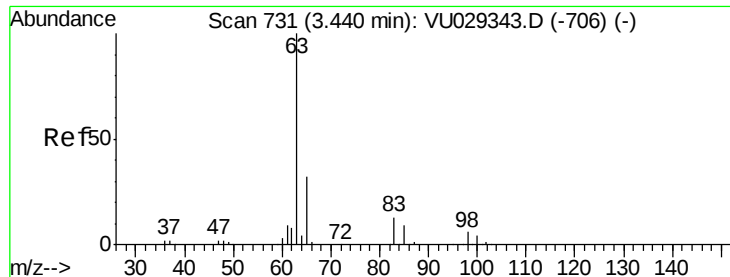
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 9.751 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.6	140.6	210.8#
98	63.4	49.3	73.9





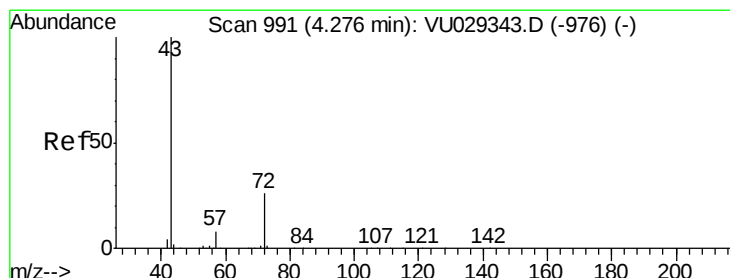
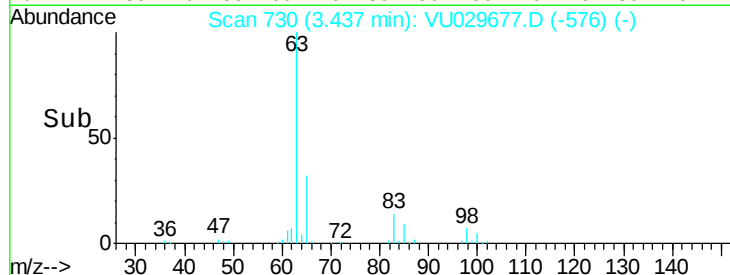
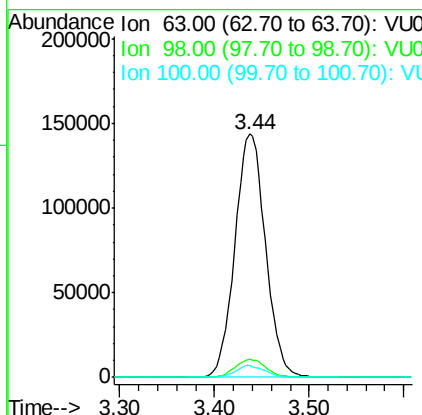
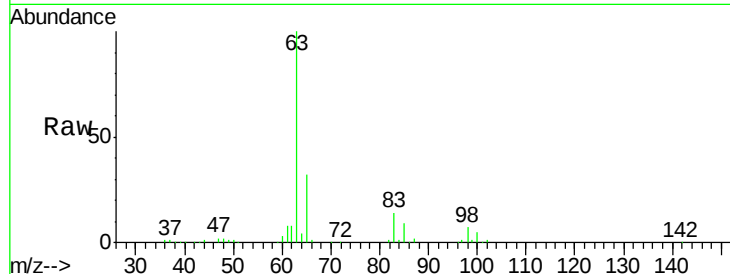
#17
 1,1-Dichloroethane
 Concen: 9.559 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	63	Resp:	322840
Ion Ratio	Lower	Upper	
63	100		
98	7.3	2.9	8.8
100	4.9	1.7	5.1

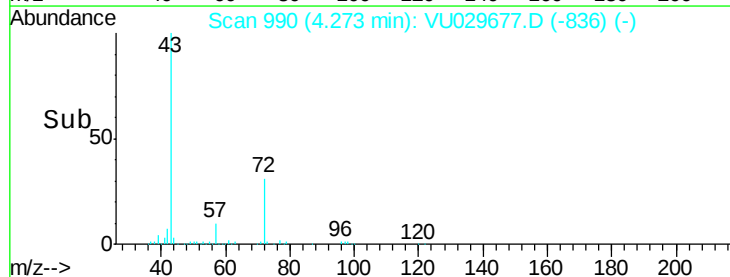
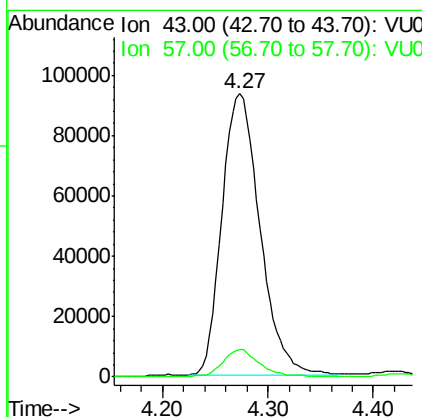
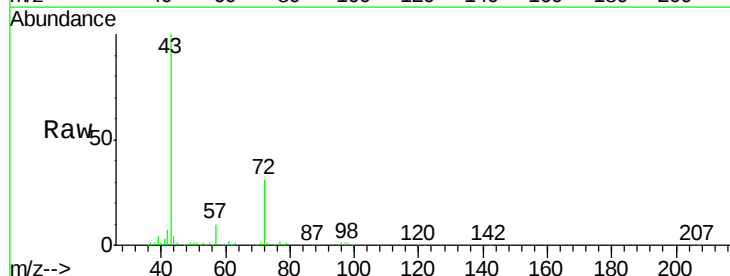
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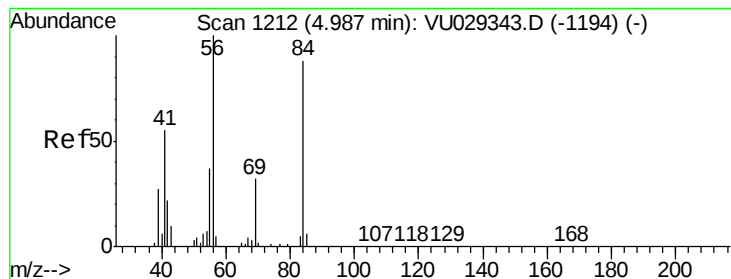
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#18
 2-Butanone
 Concen: 50.585 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Tgt Ion:	43	Resp:	232739
Ion Ratio	Lower	Upper	
43	100		
57	9.7	0.0	15.8





#19

Cyclohexane

Concen: 7.591 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

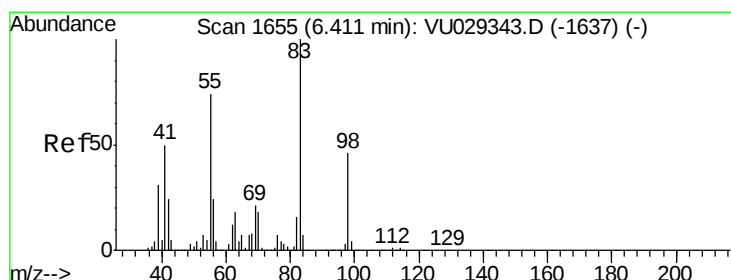
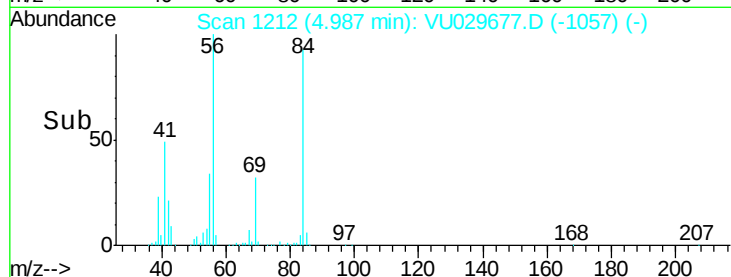
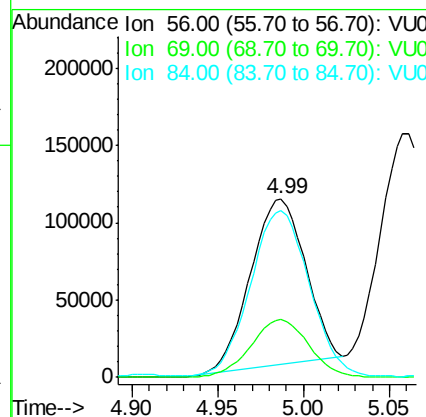
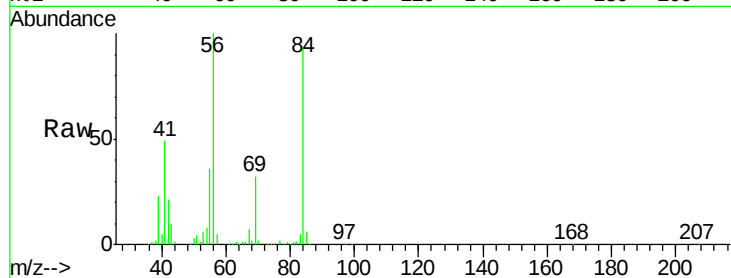
ClientSampleId :

VSTDCCC010EC

Tot Ion:	56	Resp:	237694
Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.8	40.2
84	107.2	71.5	107.3

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#20

Methylcyclohexane

Concen: 10.155 ug/l

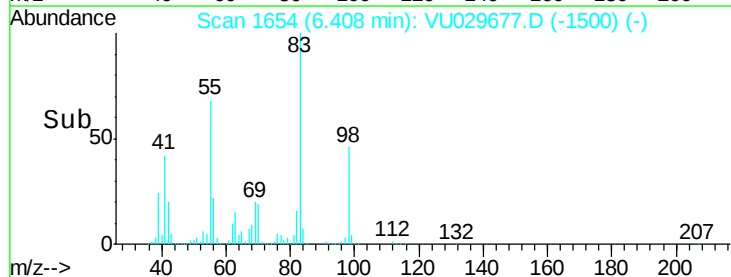
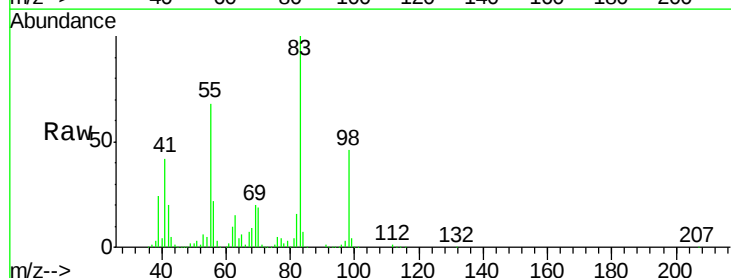
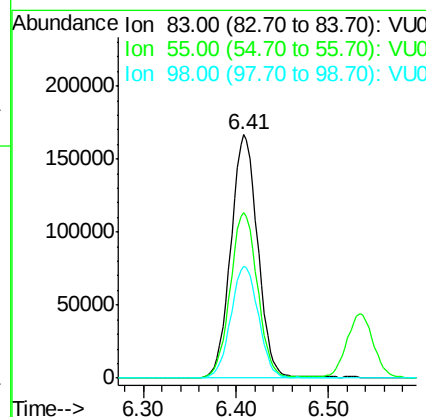
RT: 6.41 min Scan# 1654

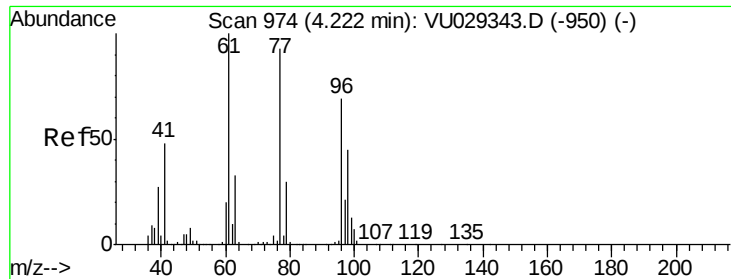
Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Tgt Ion:	83	Resp:	333990
Ion	Ratio	Lower	Upper
83	100		
55	68.5	72.4	108.6#
98	46.6	36.6	54.8





#21

2,2-Dichloropropane

Concen: 9.093 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 77 Resp: 284248

Ion Ratio Lower Upper

77 100

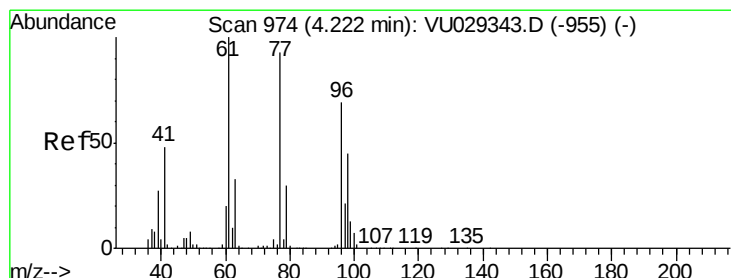
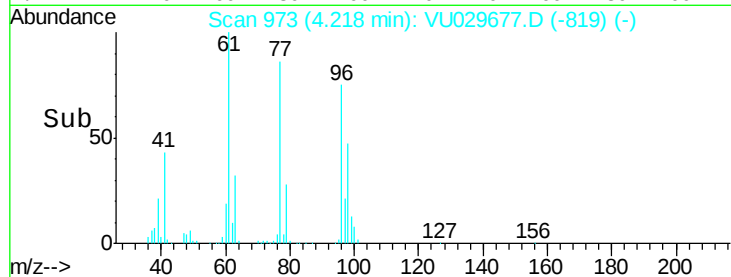
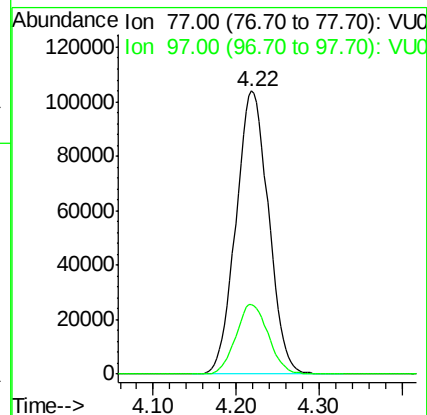
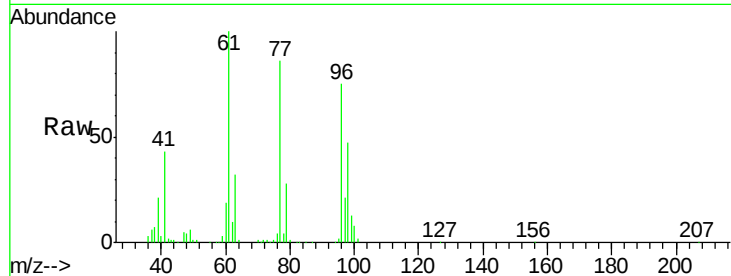
97 24.4 15.6 23.4#

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#22

cis-1,2-Dichloroethene

Concen: 10.845 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

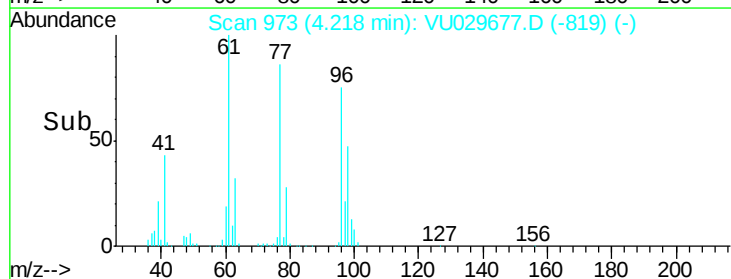
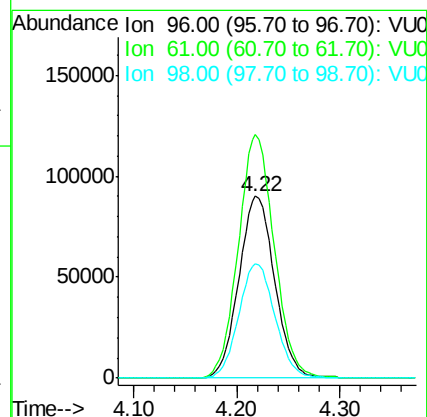
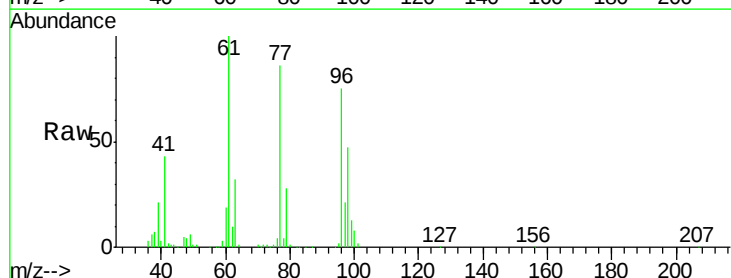
Tgt Ion: 96 Resp: 217726

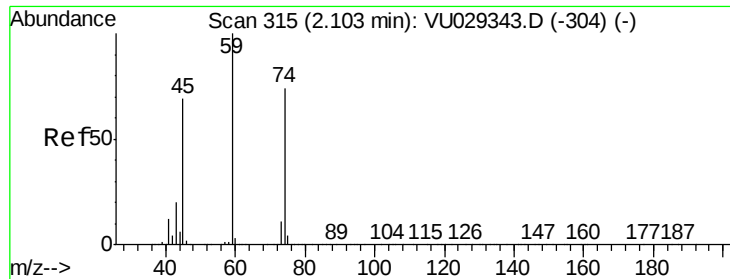
Ion Ratio Lower Upper

96 100

61 134.9 0.0 460.0

98 63.7 32.6 97.7





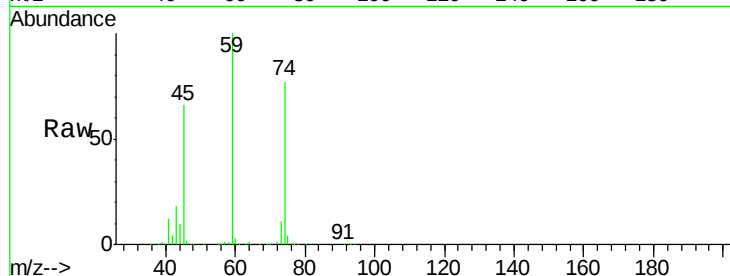
#23
Diethyl Ether
Concen: 9.122 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

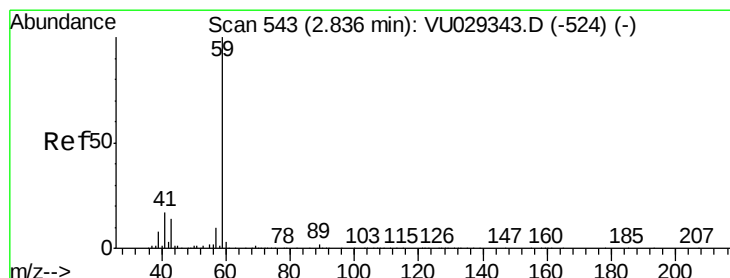
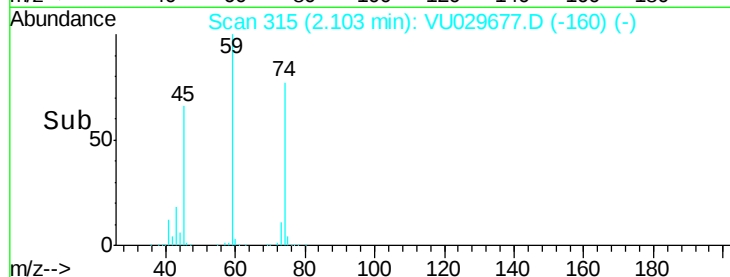
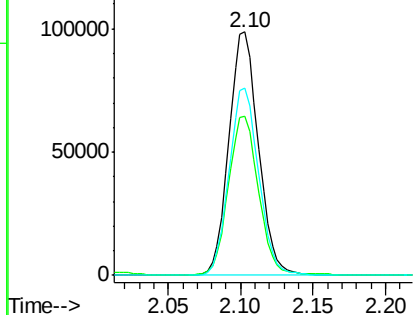
Tot Ion	Ratio	Lower	Upper
59	100		
45	66.4	64.2	96.4
74	77.4	55.3	82.9

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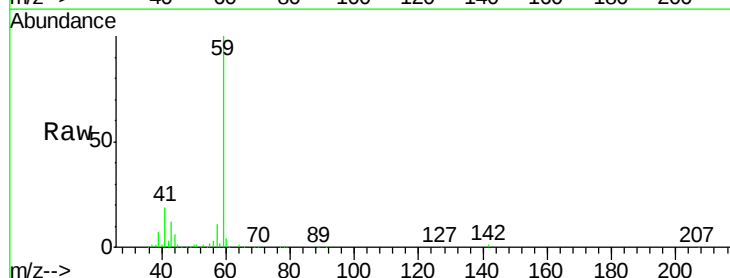


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

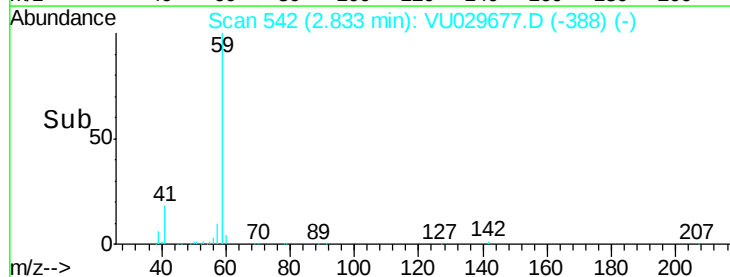
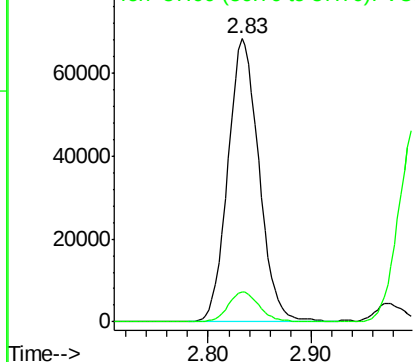


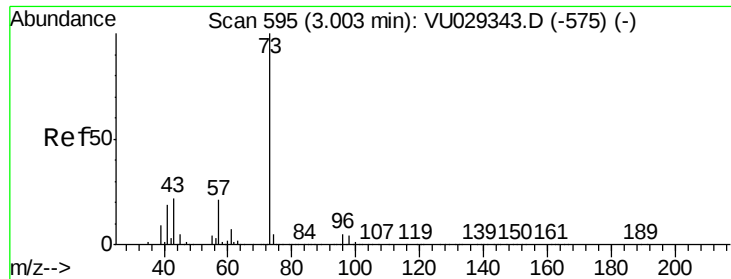
#24
tert-Butyl Alcohol
Concen: 90.284 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.8	13.2



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





#25

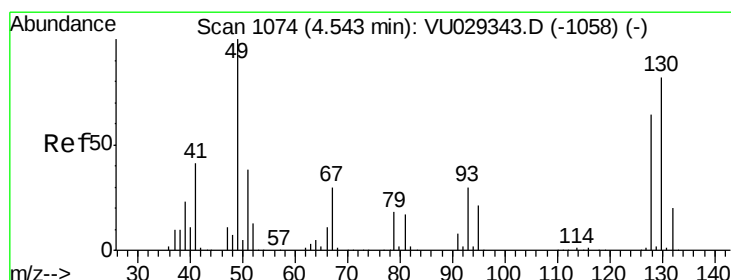
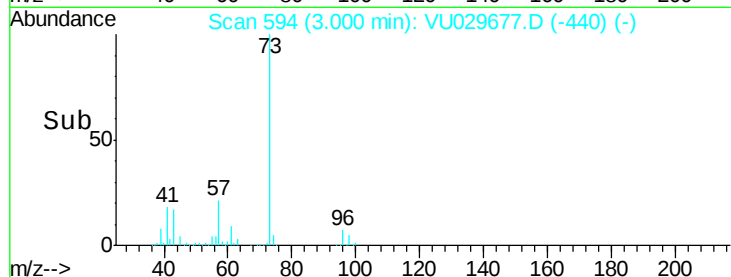
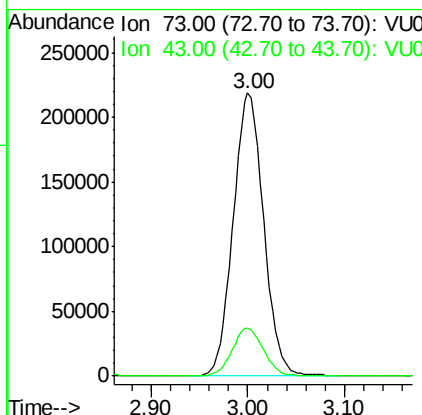
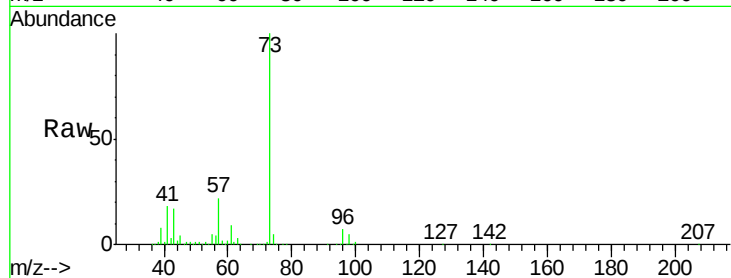
Methyl tert-Butyl Ether
 Concen: 8.929 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
43	17.1	22.1	33.1#

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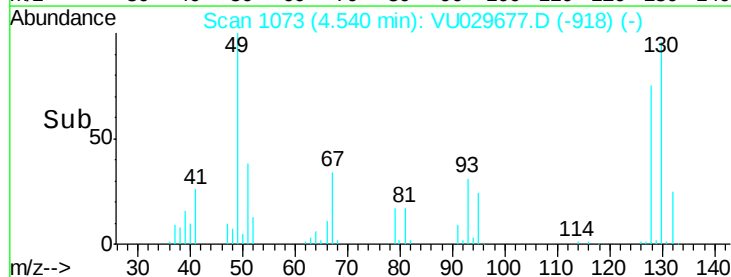
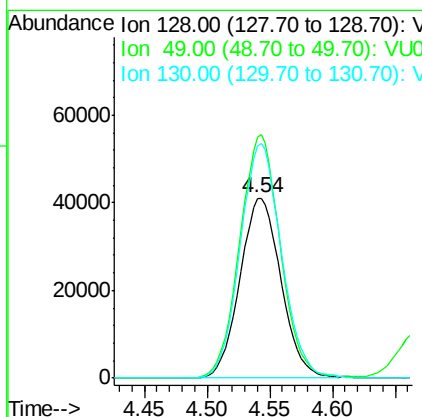
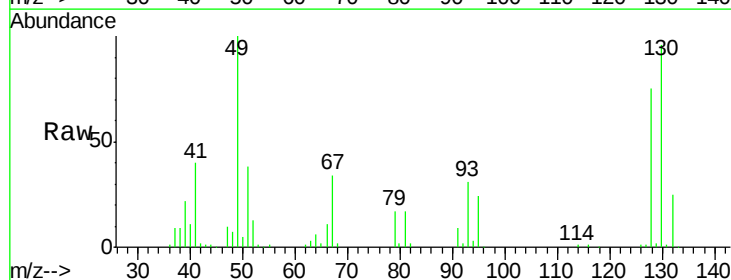
MMDadoda
 3/5/2019 9:32:09 AM

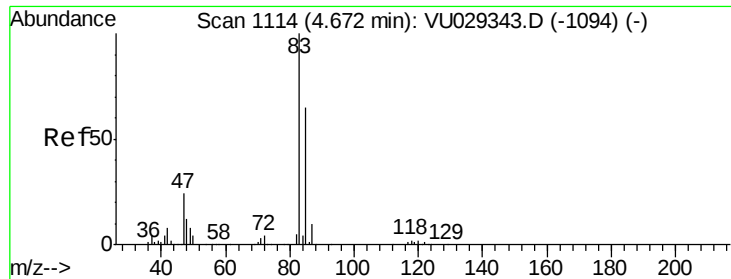


#26

Bromochloromethane
 Concen: 10.544 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
128	100		
49	133.9	0.0	401.6
130	131.1	108.0	162.0





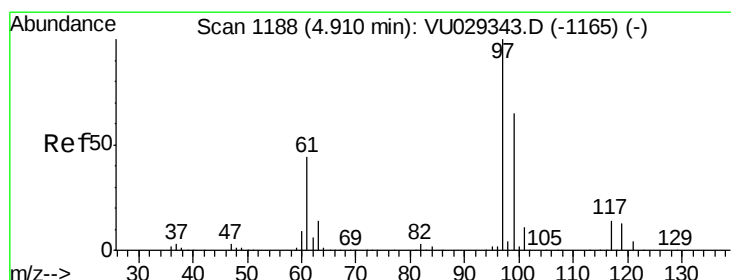
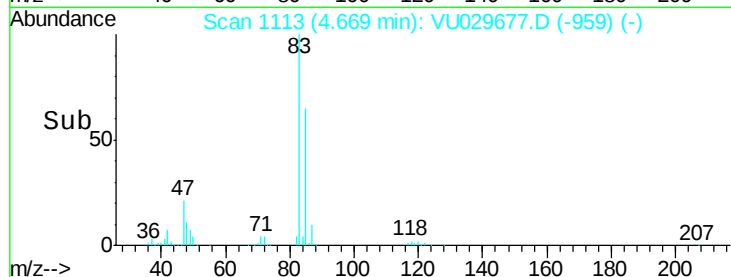
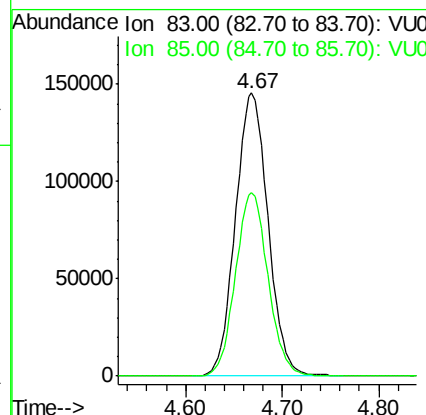
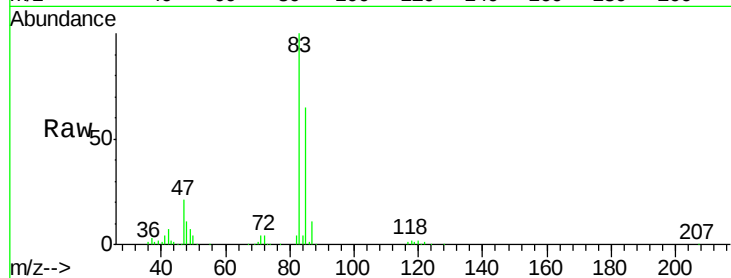
#27
Chloroform
Concen: 10.383 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	341001
Ion Ratio	100	Lower	Upper
85	65.0	0.0	126.6

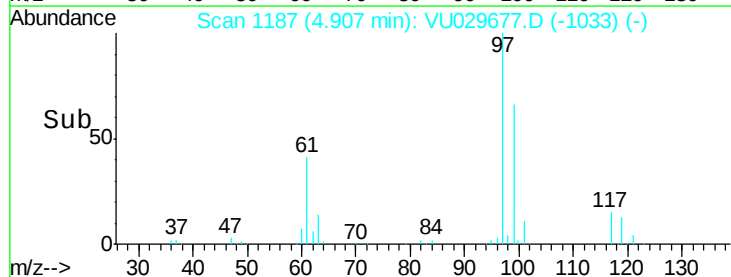
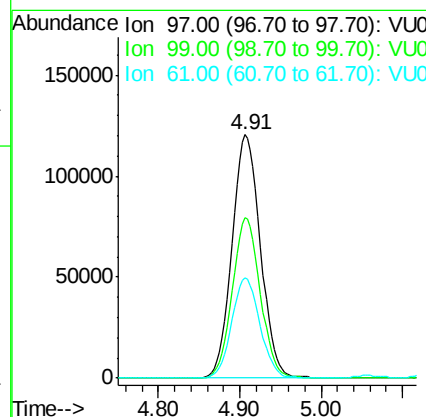
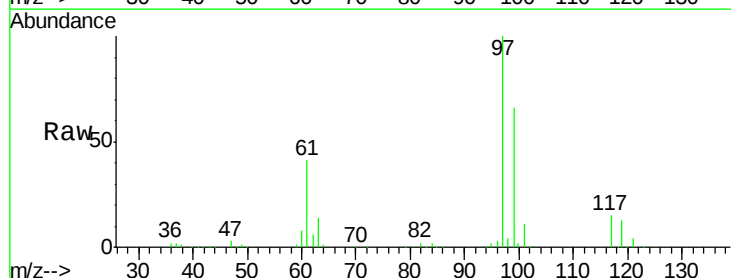
Manual Integrations
APPROVED

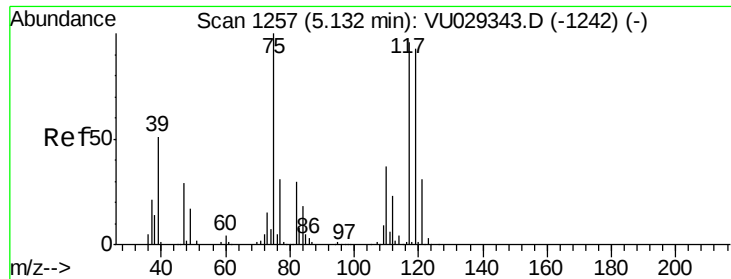
MMDadoda
3/5/2019 9:32:09 AM



#28
1,1,1-Trichloroethane
Concen: 9.673 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	97	Resp	294455
Ion Ratio	100	Lower	Upper
99	64.9	32.4	97.2
61	41.0	24.4	73.2





#29

1,1-Dichloropropene

Concen: 9.927 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

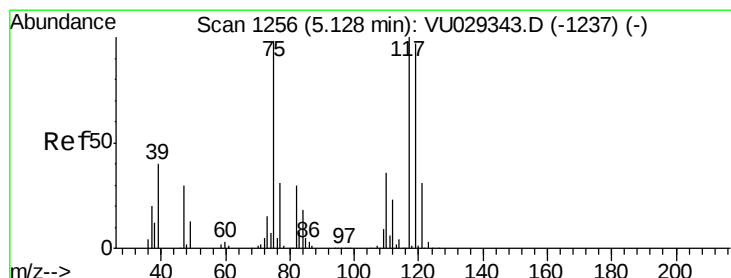
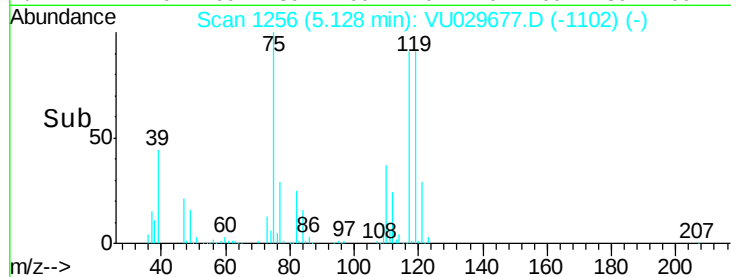
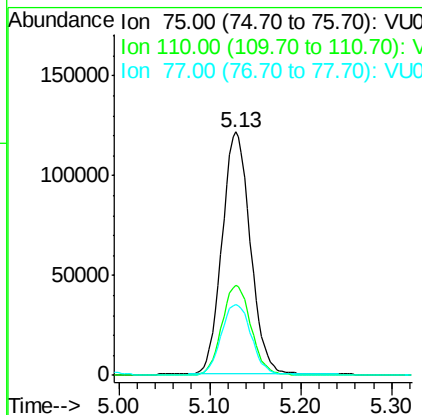
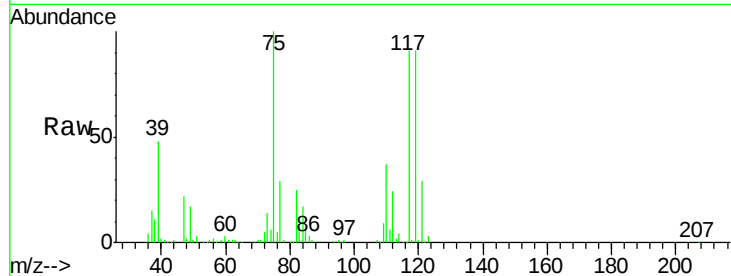
ClientSampleId :

VSTDCCC010EC

Tot Ion:	75	Resp:	262336
Ion Ratio	Lower	Upper	
75	100		
110	38.4	15.4	46.2
77	30.9	24.1	36.1

Manual Integrations
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3/5/2019 9:32:09 AM



#30

Carbon Tetrachloride

Concen: 9.582 ug/l

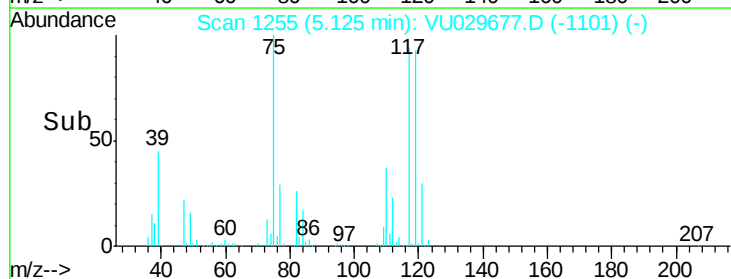
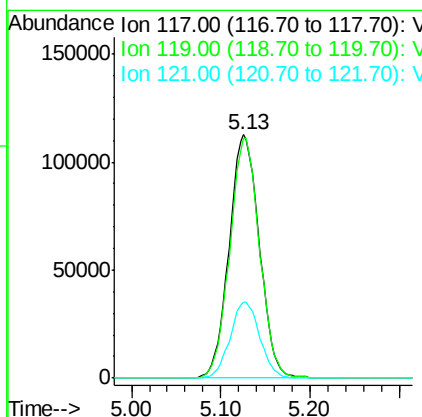
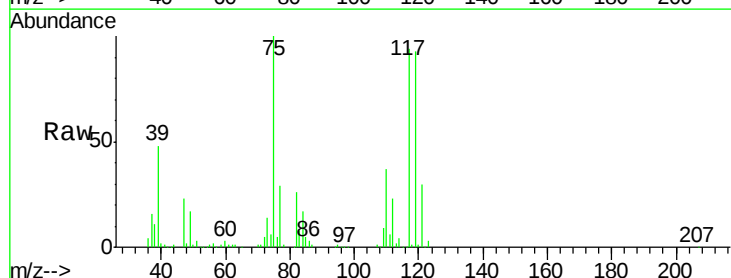
RT: 5.13 min Scan# 1255

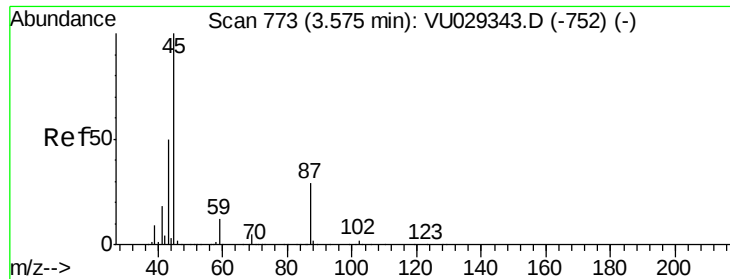
Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Tgt Ion:	117	Resp:	264056
Ion Ratio	Lower	Upper	
117	100		
119	98.4	76.8	115.2
121	31.4	24.4	36.6





#31

Isopropyl Ether

Concen: 9.165 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 467043

Ion Ratio Lower Upper

45 100

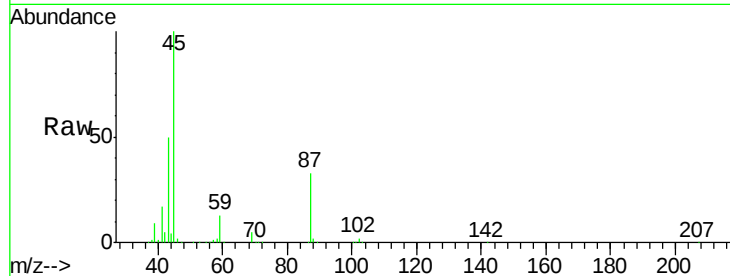
43 49.5 28.4 85.3

Manual Integrations

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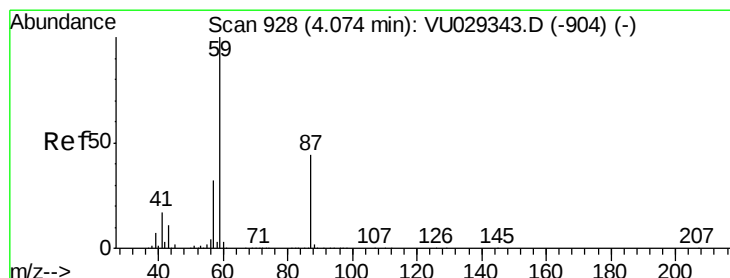
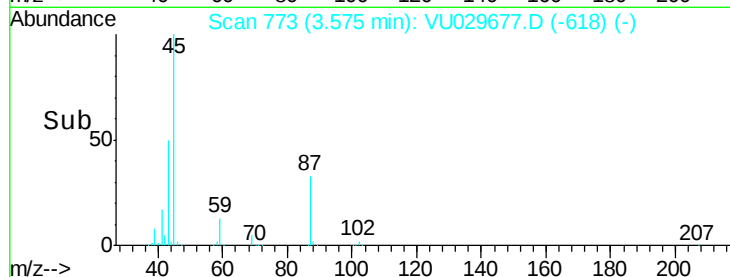
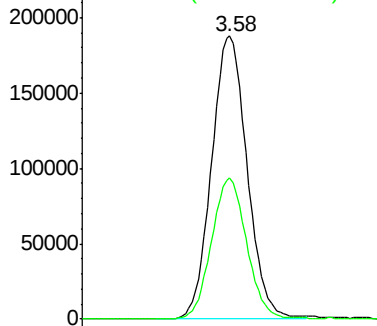
MMDadoda

3/5/2019 9:32:09 AM



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 9.315 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029677.D

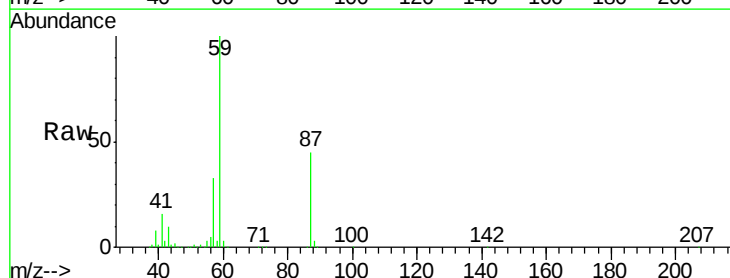
Acq: 26 Feb 2019 13:07

Tgt Ion: 59 Resp: 475701

Ion Ratio Lower Upper

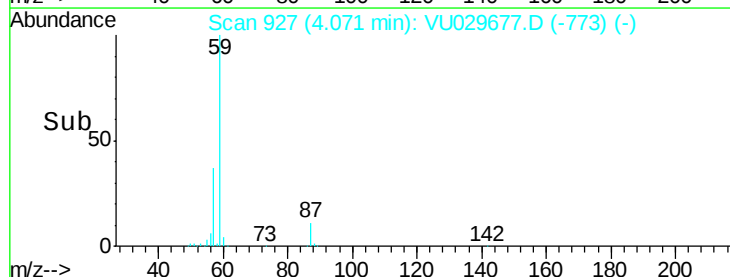
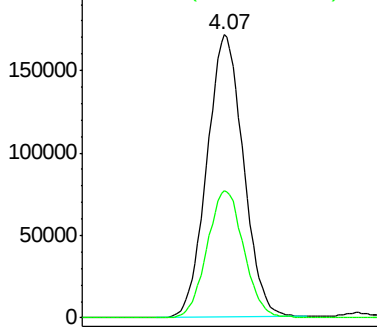
59 100

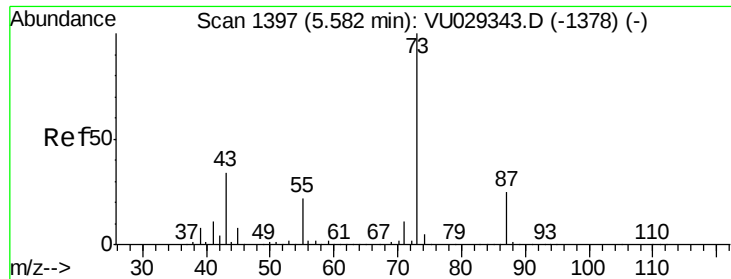
87 45.3 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





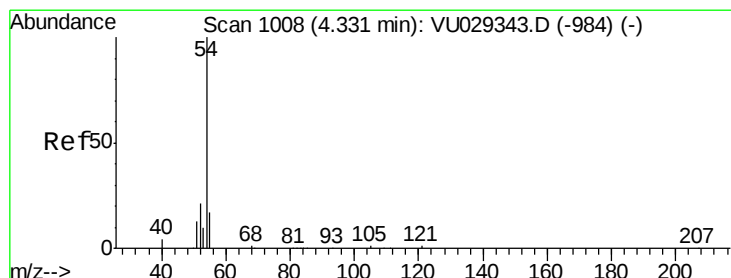
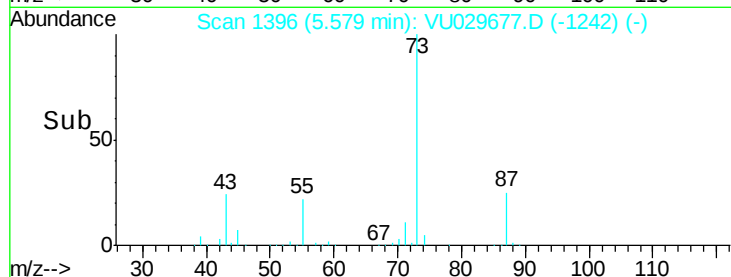
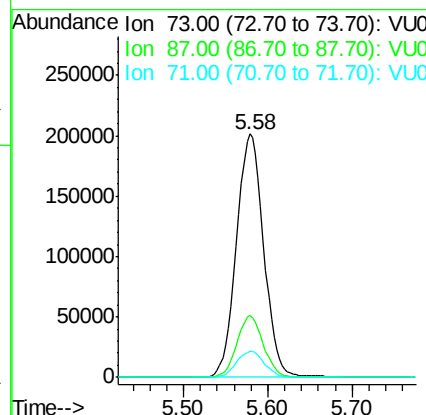
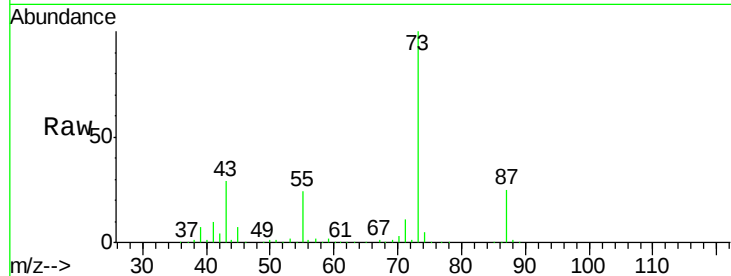
#33
Tert-Amvl methvl ether
Concen: 9.753 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.7	19.4	29.0
71	11.0	9.0	13.4

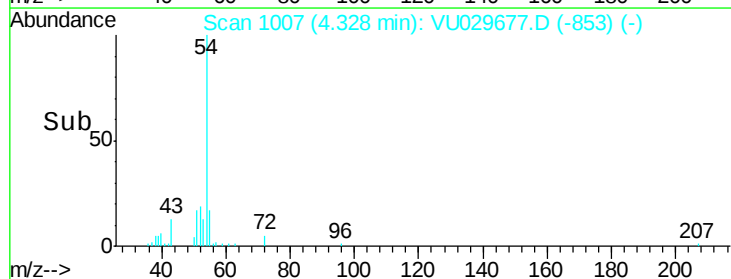
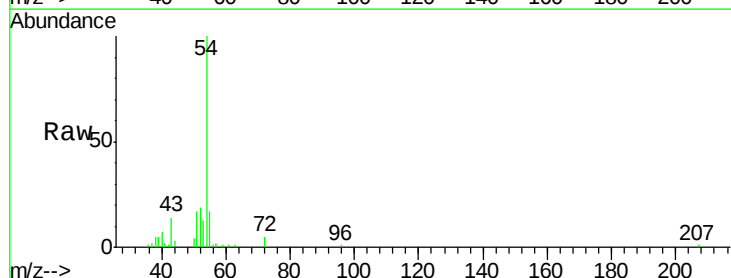
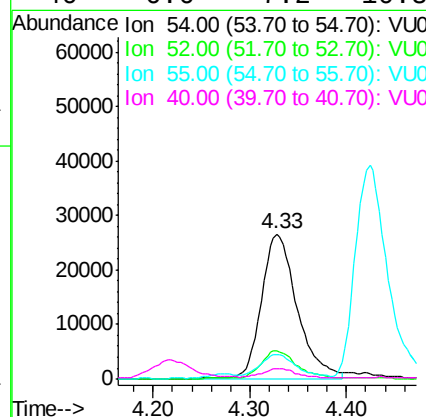
Manual Integrations
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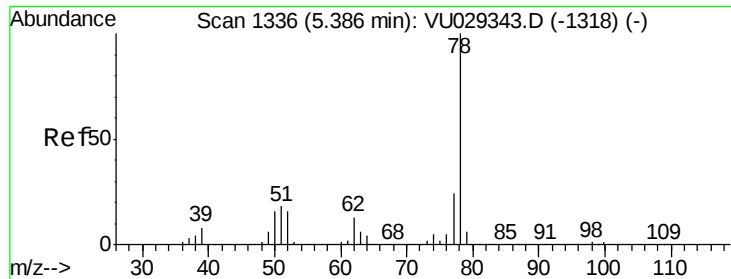
MMDadoda
3/5/2019 9:32:09 AM



#34
Propionitrile
Concen: 56.682 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.6	18.9	28.3
55	16.8	15.1	22.7
40	6.6	7.2	10.8#





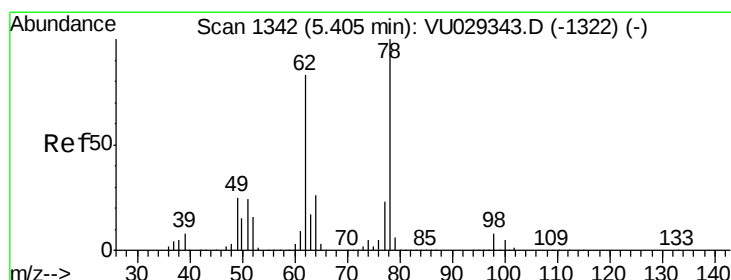
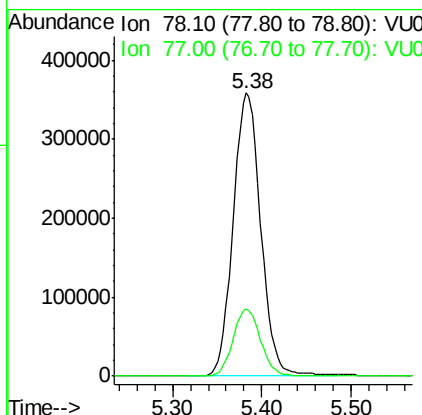
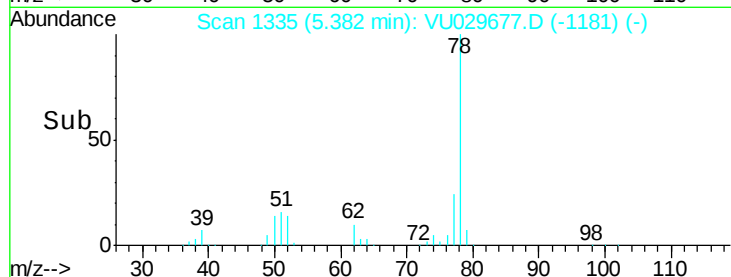
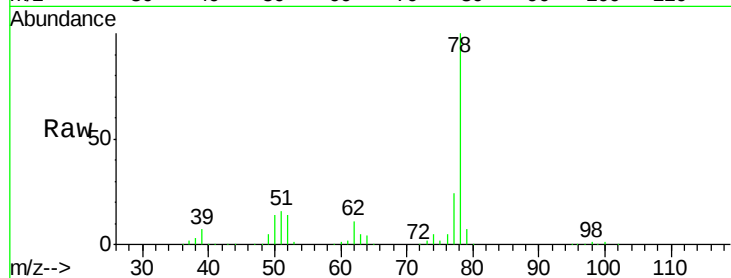
#35
Benzene
Concen: 10.512 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.8

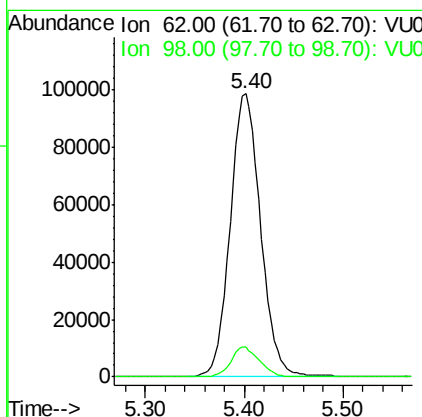
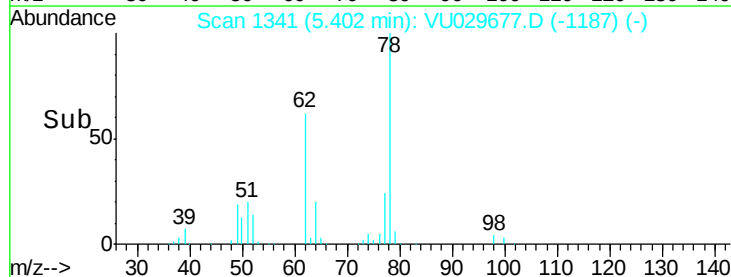
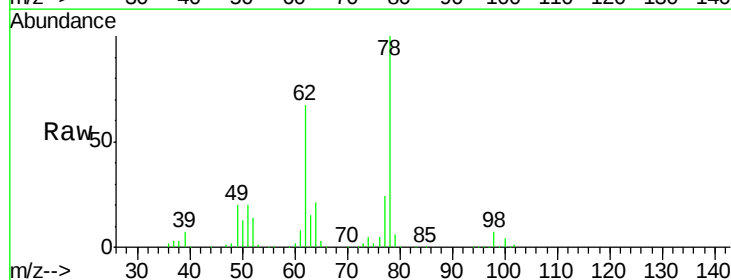
Manual Integrations
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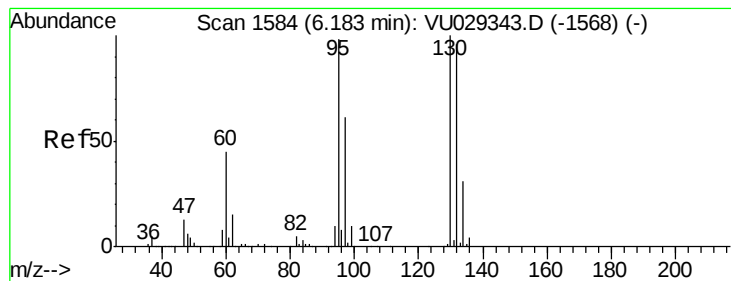
MMDadoda
3/5/2019 9:32:09 AM



#36
1,2-Dichloroethane
Concen: 9.587 ug/l
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	4.9	7.3





#37

Trichloroethene

Concen: 10.717 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:130 Resp: 224752

Ion Ratio Lower Upper

130 100

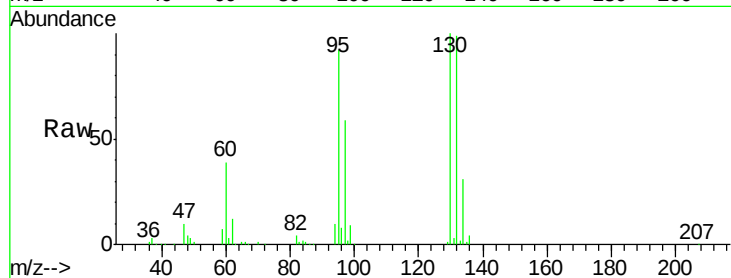
95 92.4 85.4 128.0

Manual Integrations

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MMDadoda

3/5/2019 9:32:09 AM



Abundance Ion 129.90 (129.60 to 130.60): VU029343.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029343.D (-1568) (-)

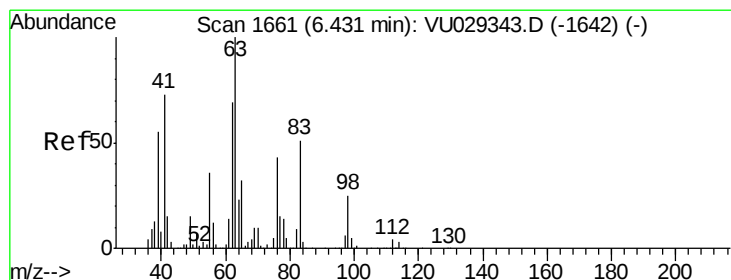
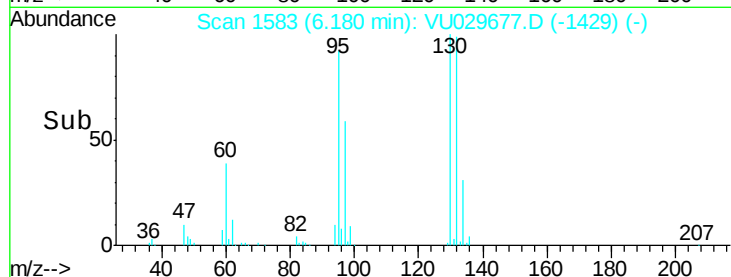
6.18

100000

50000

0

Time-->



#38

1,2-Dichloropropane

Concen: 10.147 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU029677.D

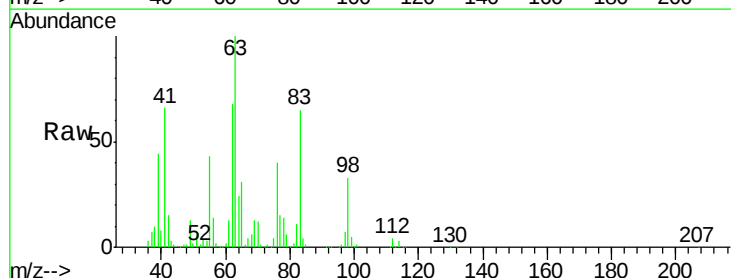
Acq: 26 Feb 2019 13:07

Tgt Ion: 63 Resp: 192903

Ion Ratio Lower Upper

63 100

65 31.4 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029343.D (-1642) (-)

6.43

100000

80000

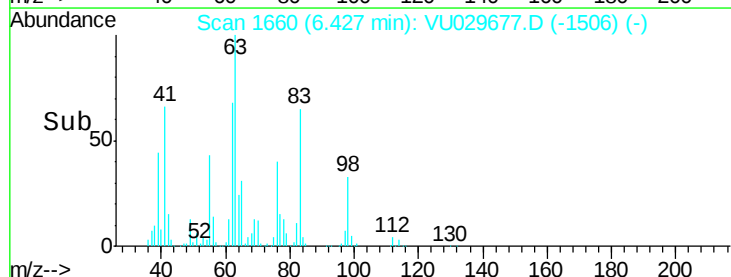
60000

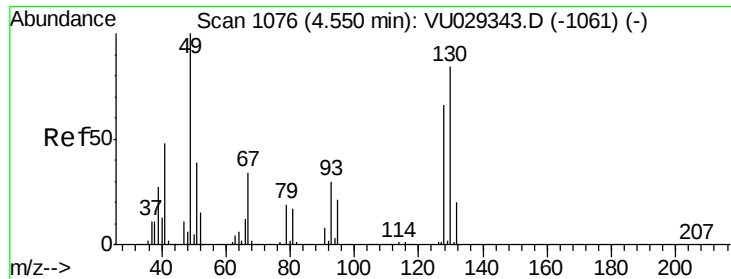
40000

20000

0

Time-->





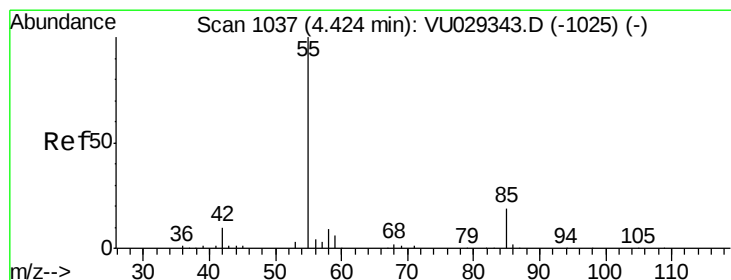
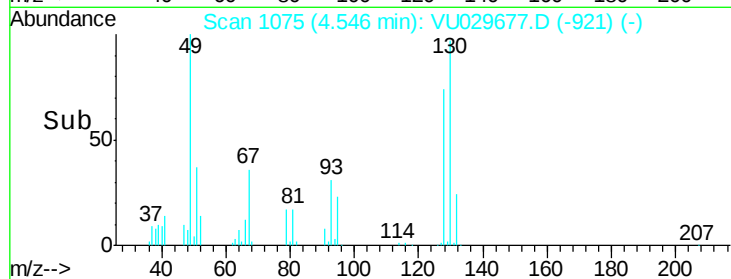
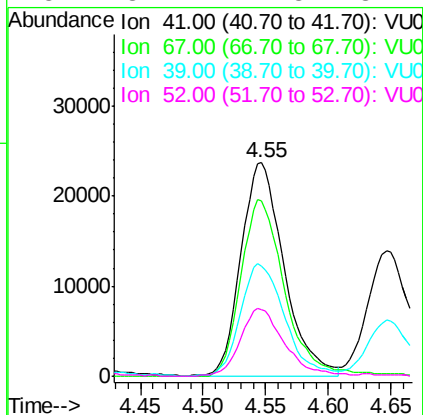
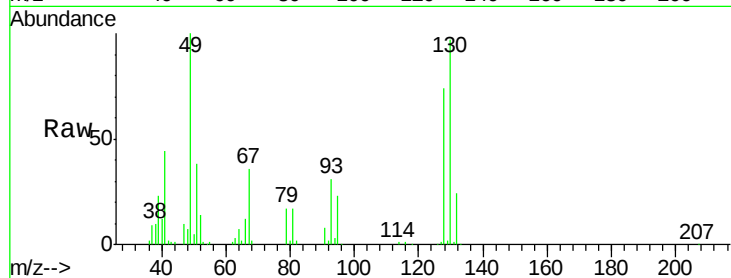
#39
Methacrylonitrile
Concen: 9.170 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
67	83.6	50.1	75.1#
39	54.4	47.9	71.9
52	32.4	24.8	37.2

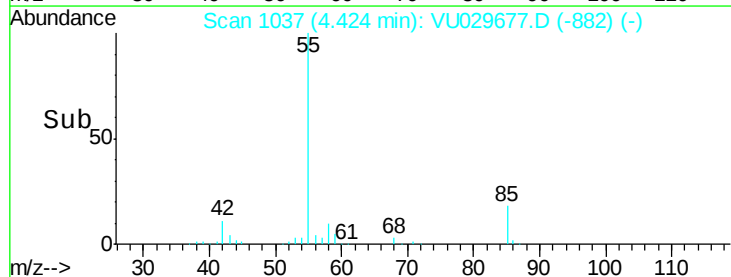
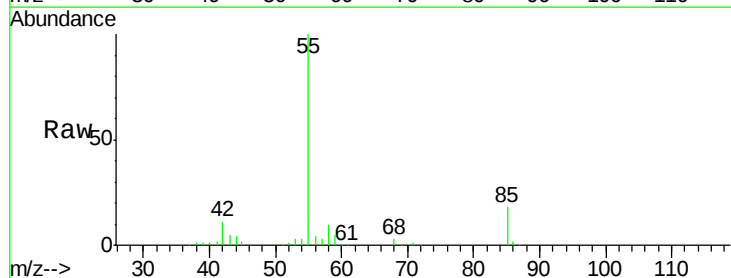
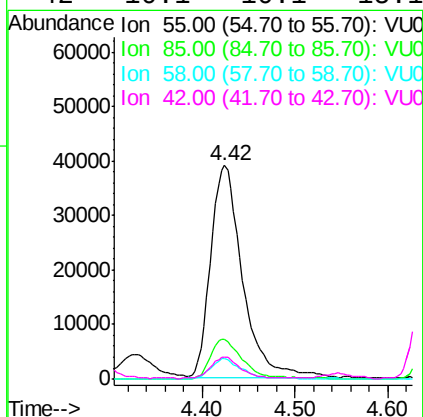
Manual Integrations
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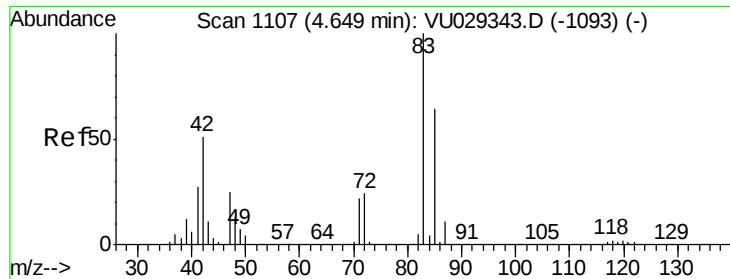
MMDadoda
3/5/2019 9:32:09 AM



#40
Methyl acrylate
Concen: 9.908 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
55	100		
85	18.9	11.3	16.9#
58	9.3	6.2	9.4
42	10.1	10.1	15.1





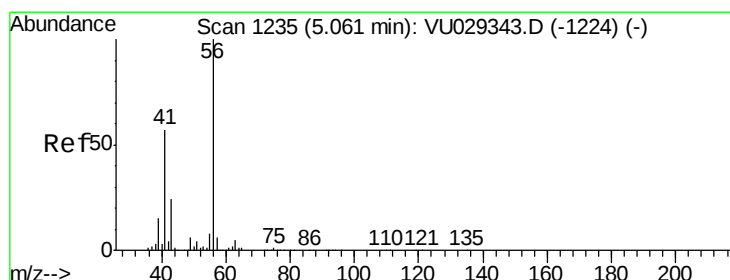
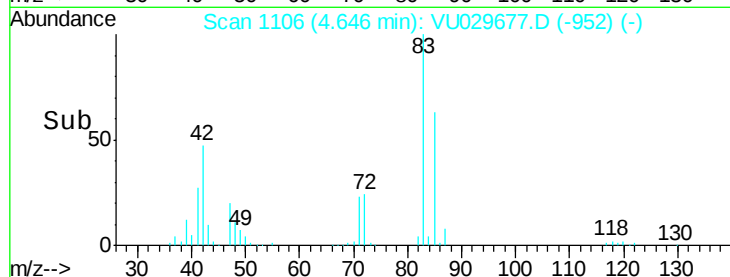
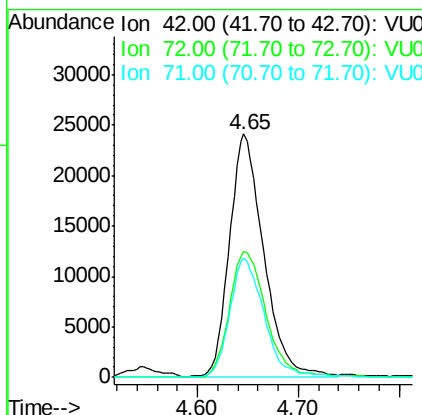
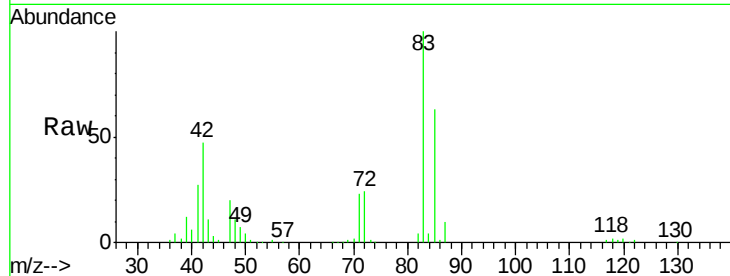
#41
Tetrahydrofuran
Concen: 18.332 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.9	33.1	49.7#
71	49.0	30.2	45.2#

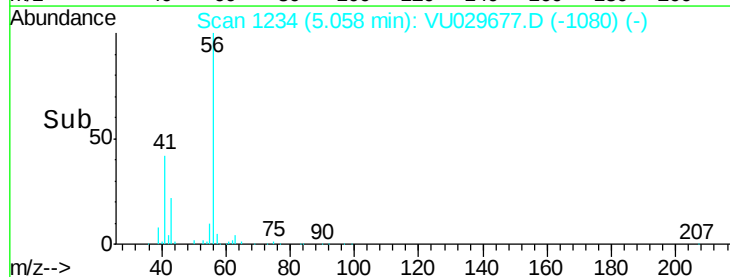
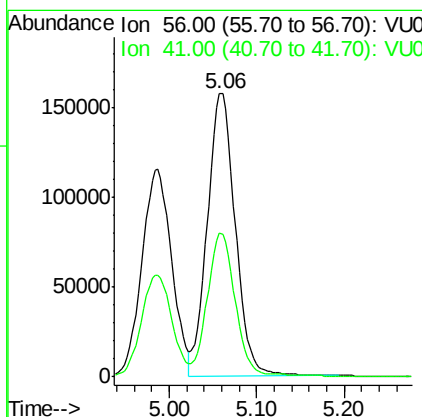
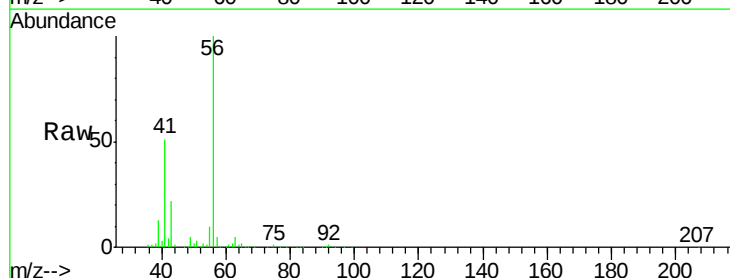
Manual Integrations
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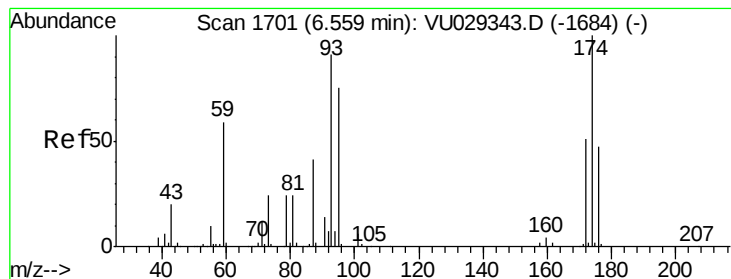
MMDadoda
3/5/2019 9:32:09 AM



#42
1-Chlorobutane
Concen: 9.878 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
56	100		
41	50.0	31.3	93.8





#43

Dibromomethane

Concen: 10.135 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

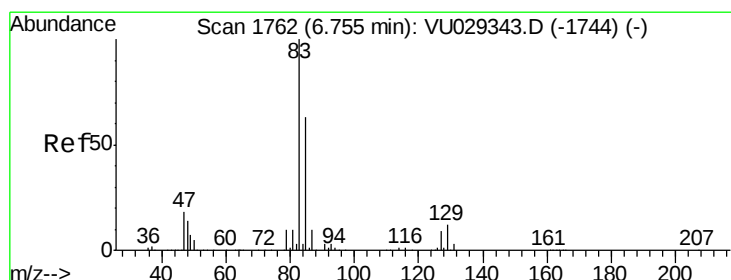
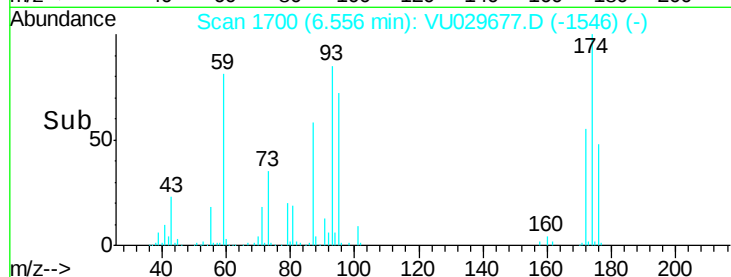
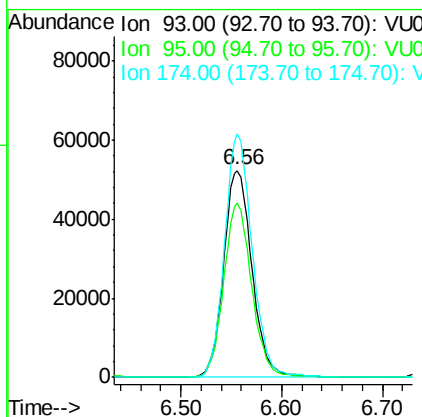
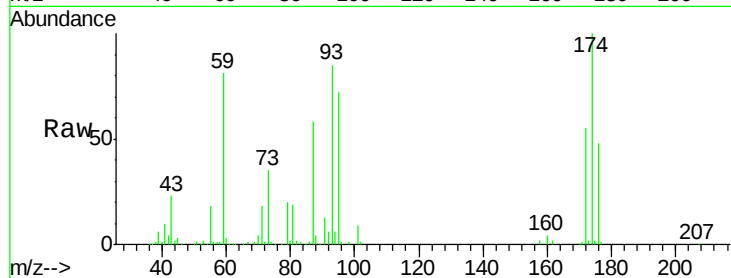
ClientSampleId :

VSTDCCC010EC

Tot Ion:	93	Resp:	102678
Ion	Ratio	Lower	Upper
93	100		
95	83.4	68.2	102.2
174	115.0	77.6	116.4

Manual Integrations
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MMDadoda
3/5/2019 9:32:09 AM



#44

Bromodichloromethane

Concen: 9.728 ug/l

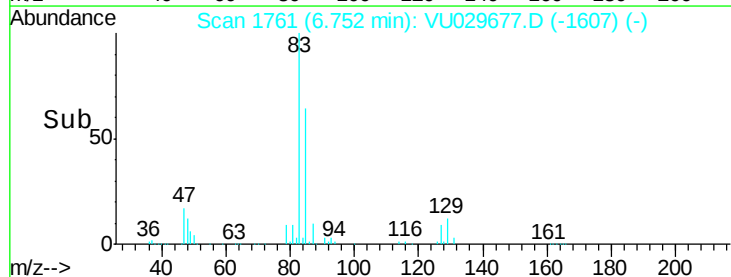
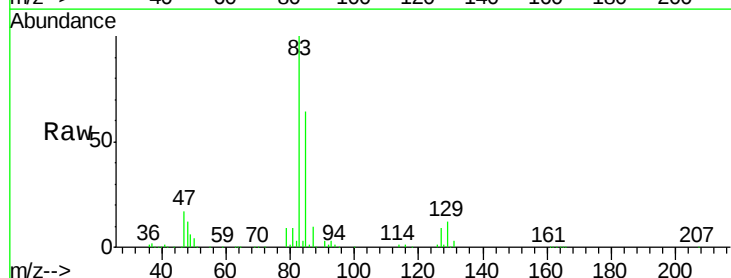
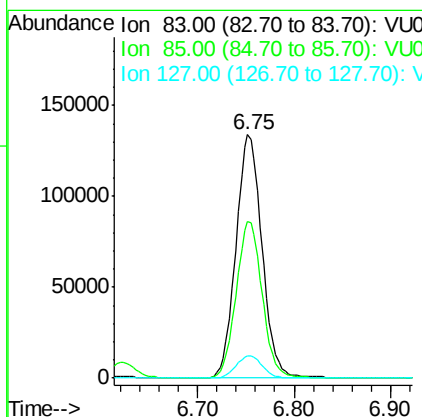
RT: 6.75 min Scan# 1761

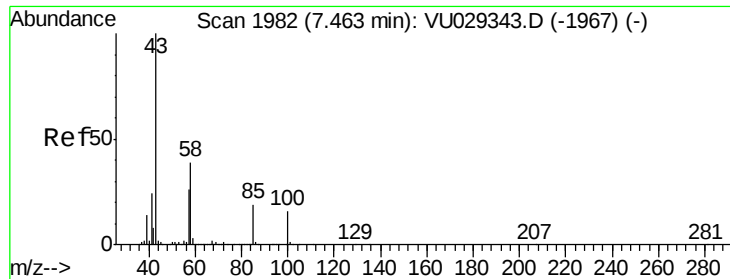
Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Tgt Ion:	83	Resp:	251122
Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.2	73.8
127	9.2	7.0	10.6





#45

4-Methyl-2-Pentanone

Concen: 47.093 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

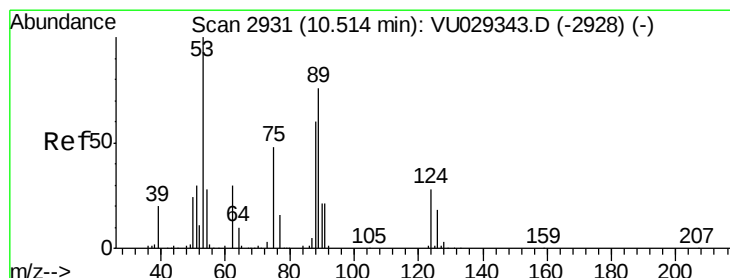
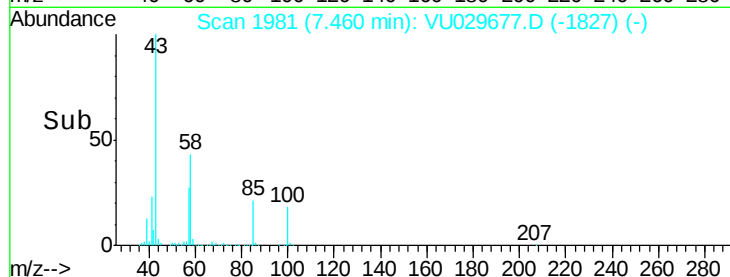
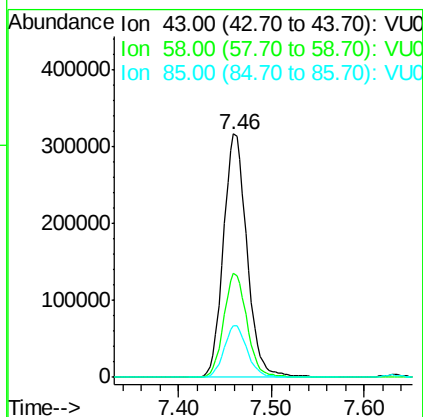
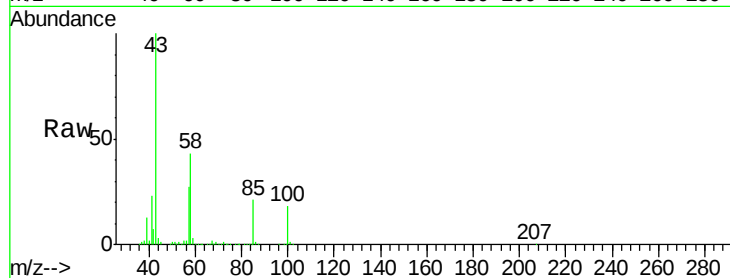
ClientSampleId :

VSTDCCC010EC

Tot Ion:	43	Resp:	559264
Ion Ratio		Lower	Upper
43	100		
58	42.3	17.6	52.8
85	21.0	12.3	18.5#

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:32:09 AM



#46

t-1,4-Dichloro-2-butene

Concen: 16.945 ug/l m

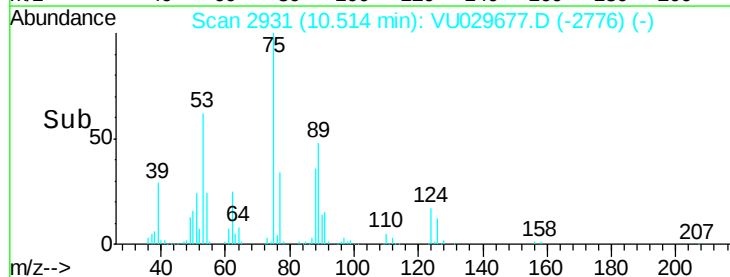
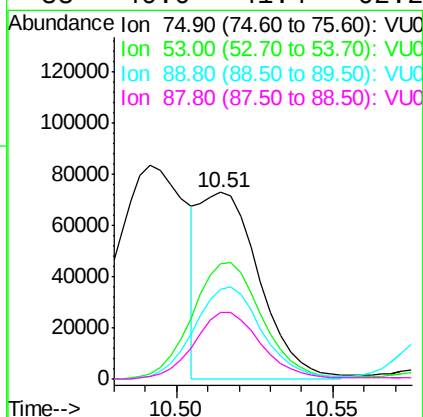
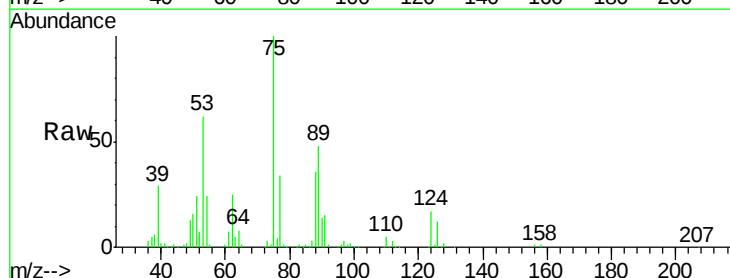
RT: 10.51 min Scan# 2931

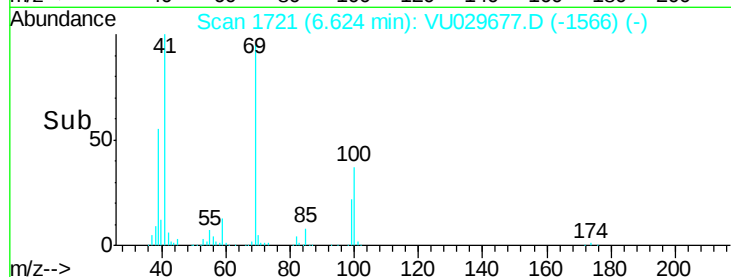
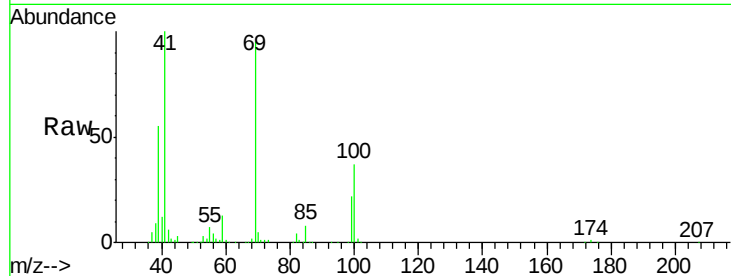
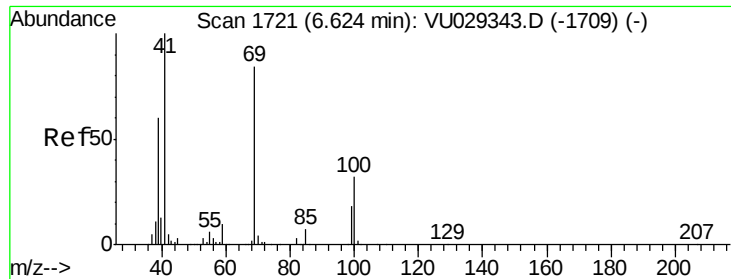
Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Tgt Ion:	75	Resp:	98043
Ion Ratio		Lower	Upper
75	100		
53	72.7	78.2	117.4#
89	55.7	44.2	66.4
88	40.0	41.4	62.2#





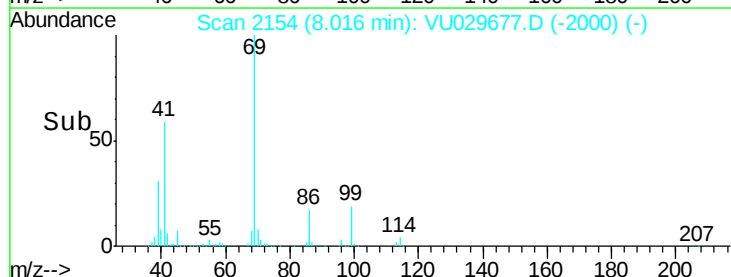
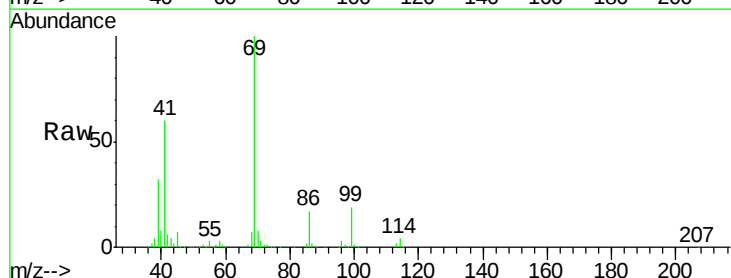
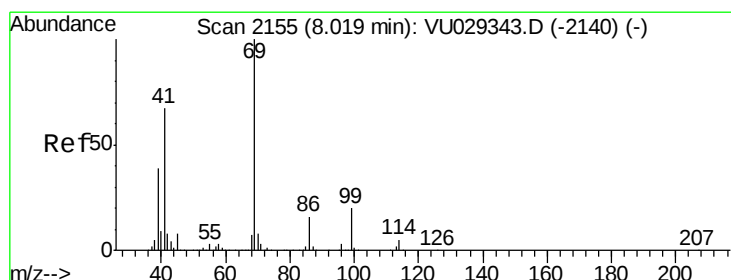
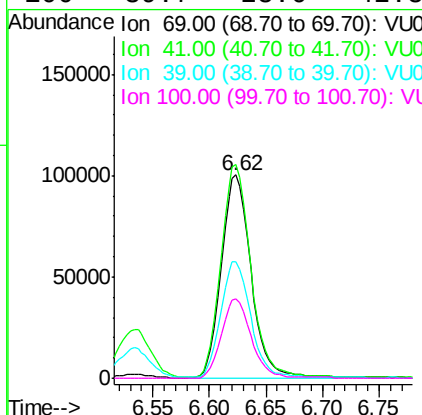
#47
Methyl methacrylate
Concen: 20.595 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		183574		
41	104.6	0.0	296.2		
39	58.2	71.2	106.8		
100	39.7	28.6	42.8		

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

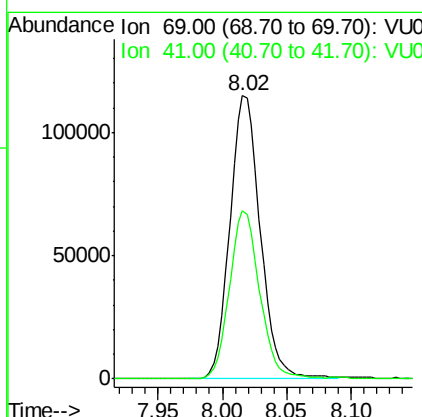
Manual Integrations
APPROVED

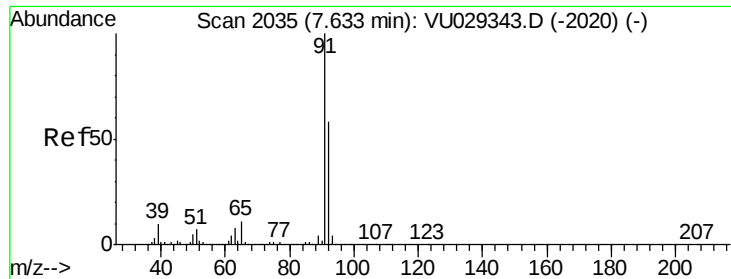
MMDadoda
3/5/2019 9:32:09 AM



#48
Ethyl methacrylate
Concen: 9.822 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		187820		
41	59.2	39.9	119.7		





#49

Toluene

Concen: 10.666 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 498801

Ion Ratio Lower Upper

92 100

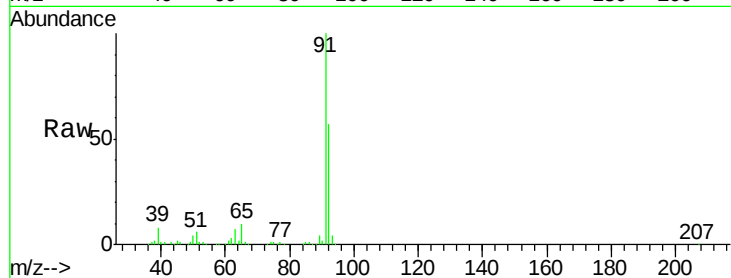
91 173.0 140.7 211.1

Manual Integrations

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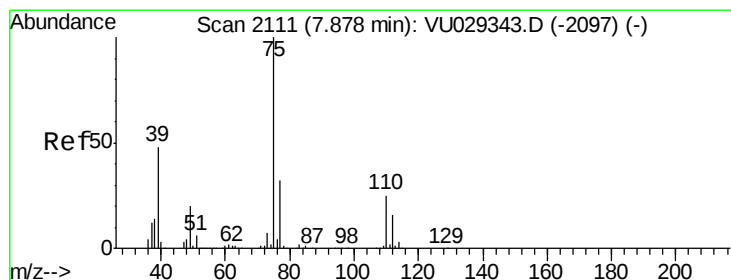
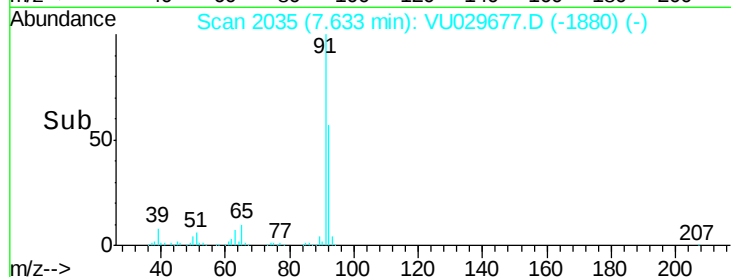
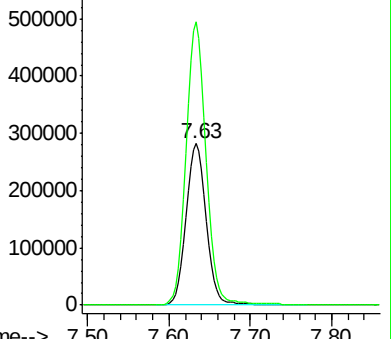
MMDadoda

3/5/2019 9:32:09 AM



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 9.153 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029677.D

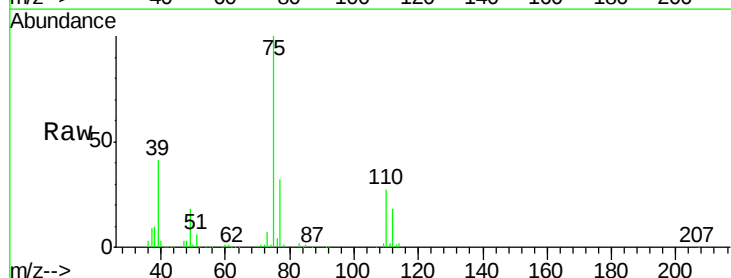
Acq: 26 Feb 2019 13:07

Tgt Ion: 75 Resp: 231602

Ion Ratio Lower Upper

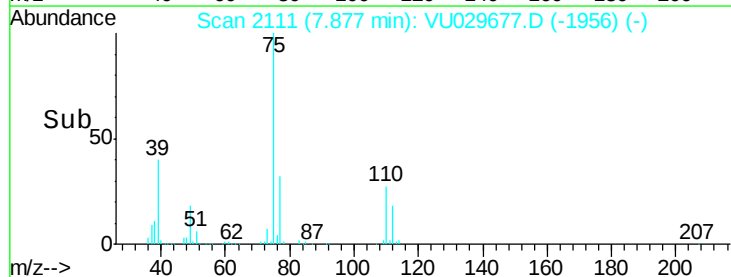
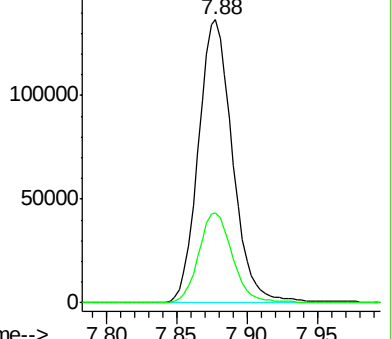
75 100

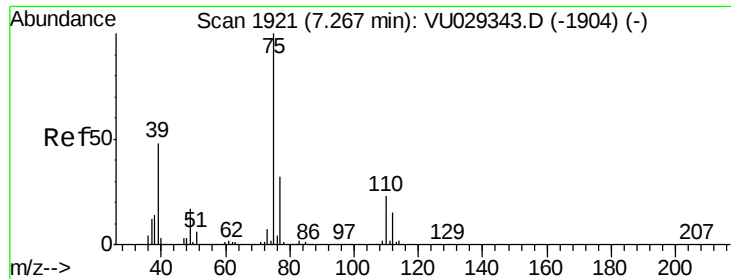
77 31.9 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





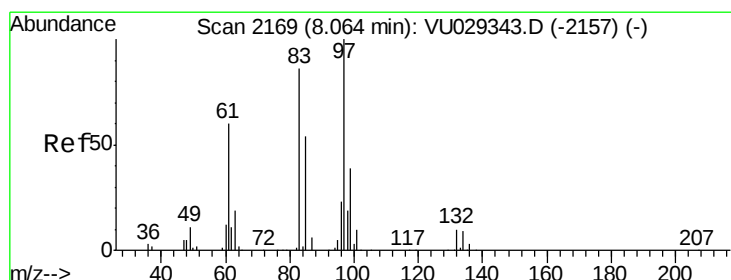
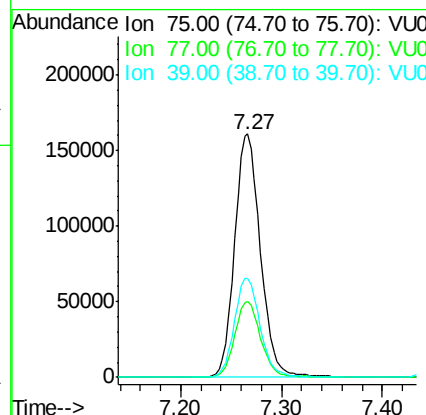
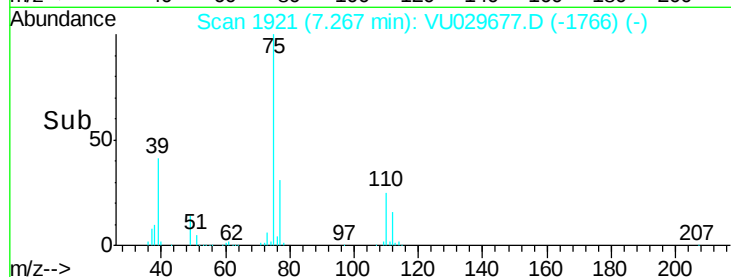
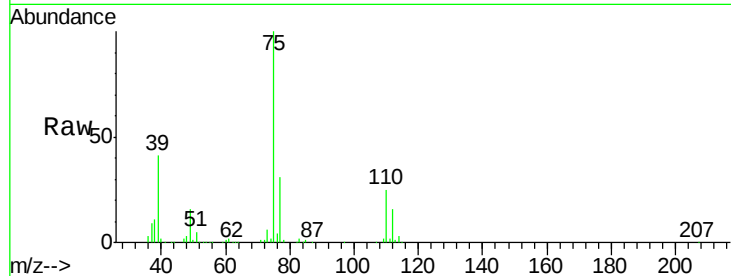
#51
 cis-1,3-Dichloropropene
 Concen: 9.549 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3
39	40.7	47.2	70.8#

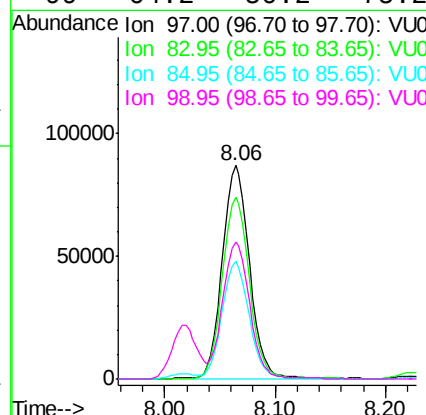
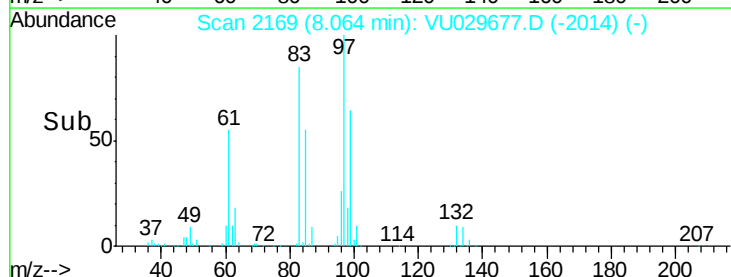
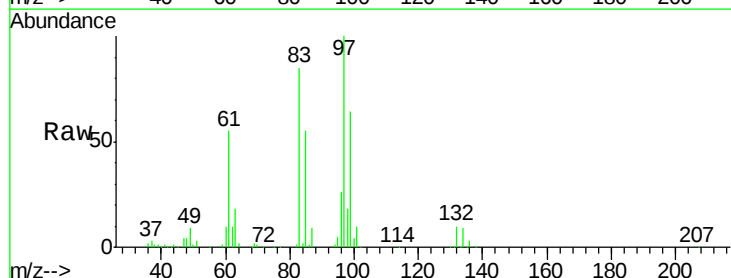
Manual Integrations
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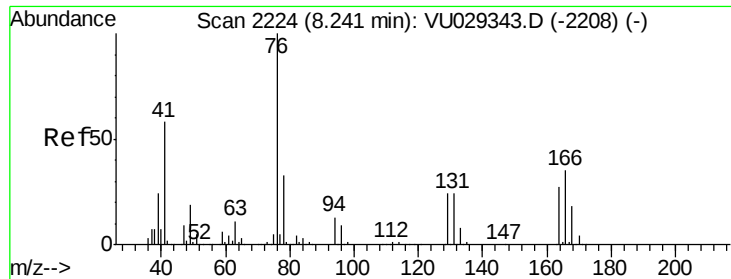
MMDadoda
 3/5/2019 9:32:09 AM



#52
 1,1,2-Trichloroethane
 Concen: 10.997 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.9	104.9
85	54.9	45.8	68.6
99	64.2	50.2	75.2





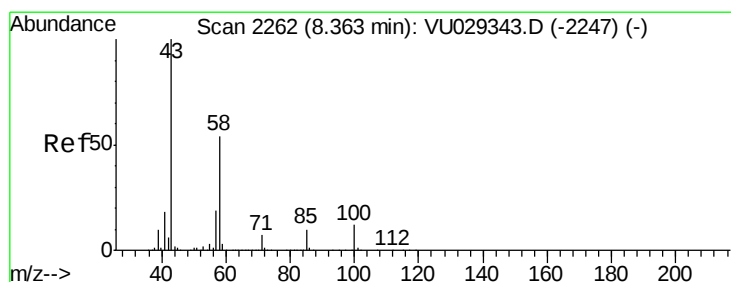
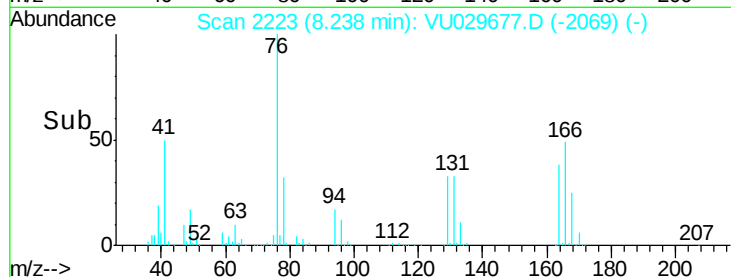
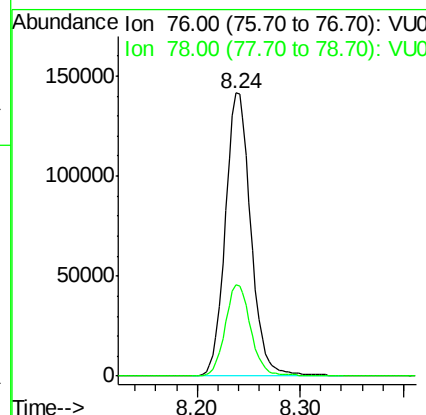
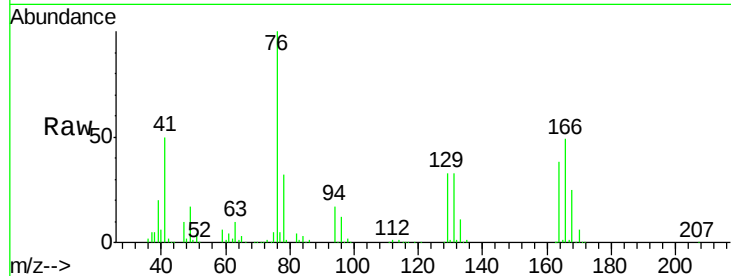
#53
 1,3-Dichloropropane
 Concen: 10.350 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 76 Resp: 243861
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.3 39.5

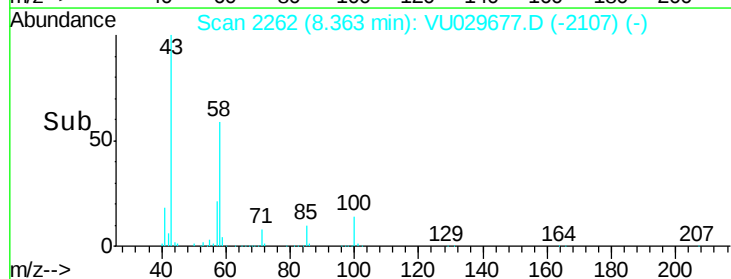
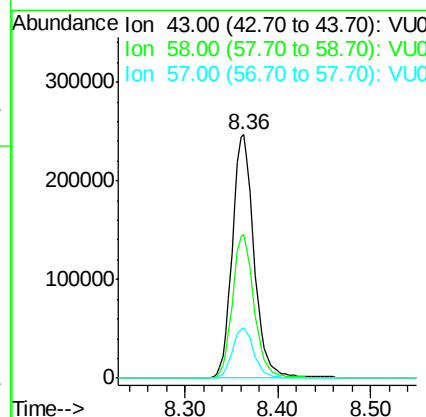
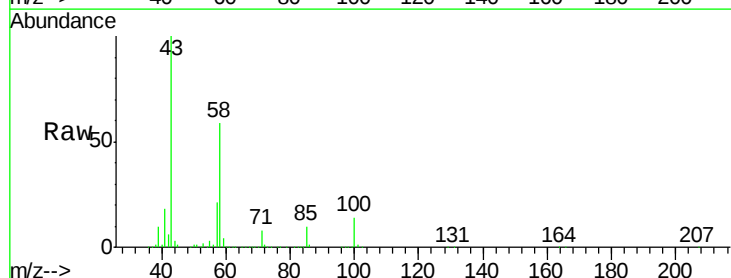
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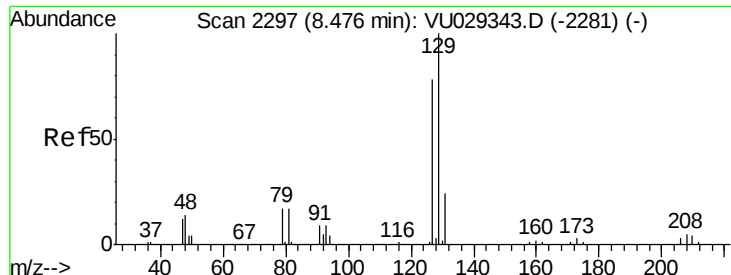
MMDadoda
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#54
 2-Hexanone
 Concen: 48.470 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Tgt Ion: 43 Resp: 403485
 Ion Ratio Lower Upper
 43 100
 58 58.5 26.0 66.0
 57 20.6 0.0 37.7





#55

Dibromochloromethane

Concen: 9.855 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:129 Resp: 187861

Ion Ratio Lower Upper

129 100

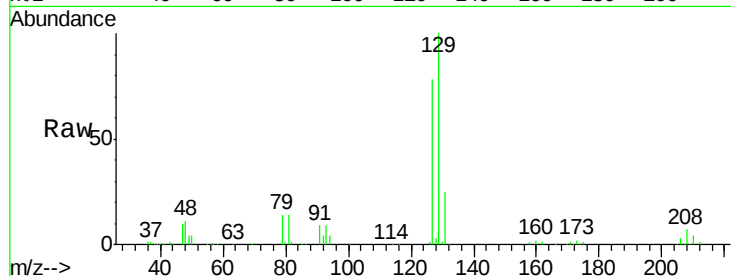
127 77.2 60.5 90.7

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.47

120000

100000

80000

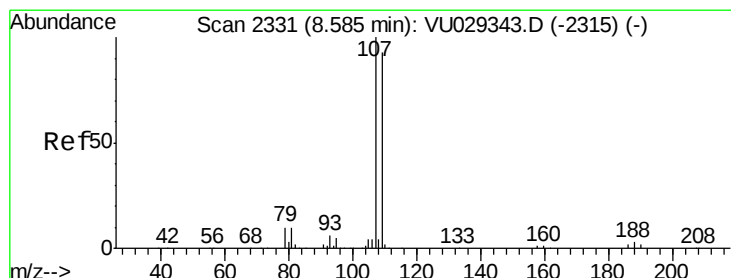
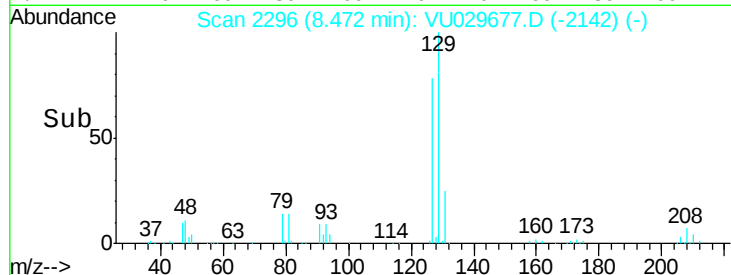
60000

40000

20000

0

Time-->



#56

1,2-Dibromoethane

Concen: 10.268 ug/l

RT: 8.58 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU029677.D

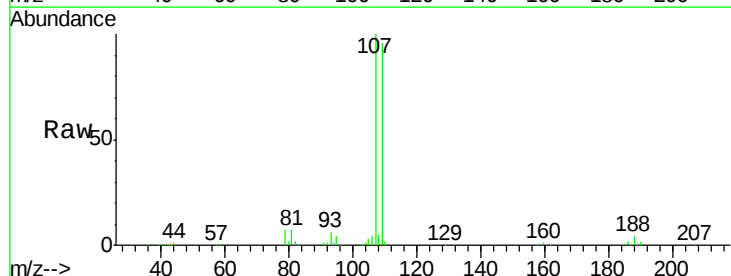
Acq: 26 Feb 2019 13:07

Tgt Ion:107 Resp: 141285

Ion Ratio Lower Upper

107 100

109 95.9 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.58

80000

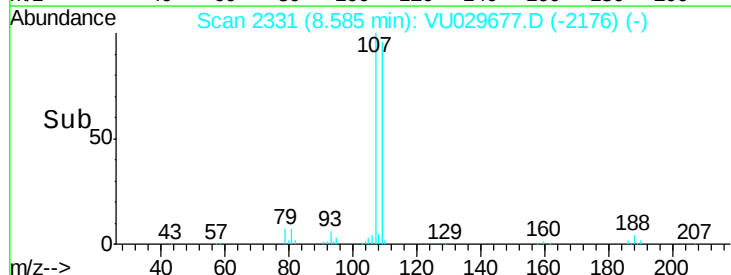
60000

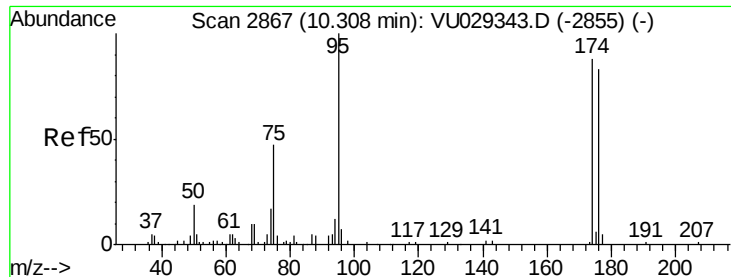
40000

20000

0

Time-->





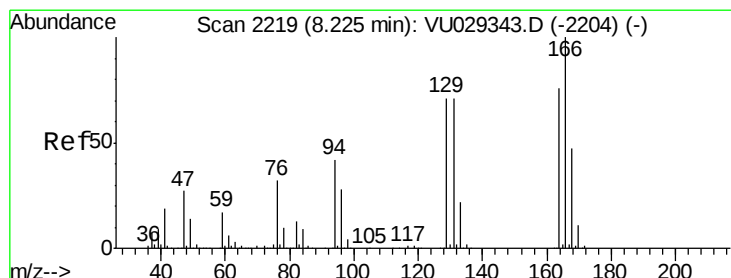
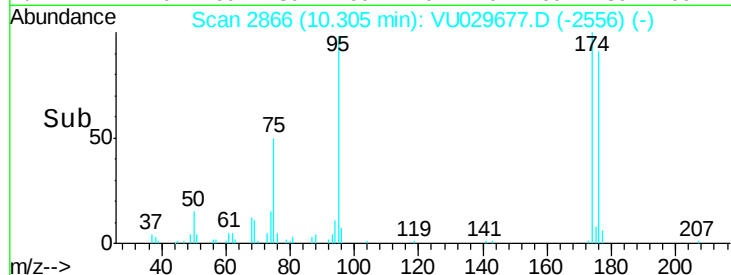
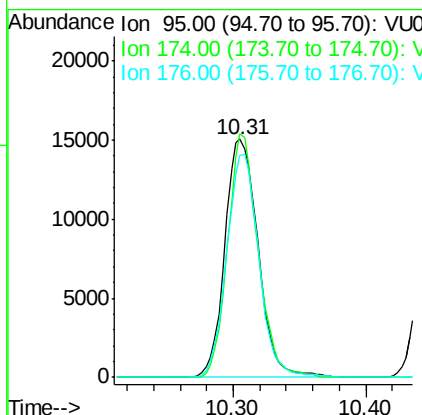
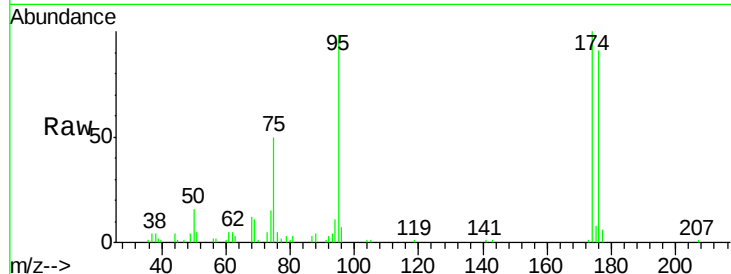
#57
4-Bromofluorobenzene
Concen: 10.268 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	93.4	64.2	96.2
176	90.5	62.3	93.5

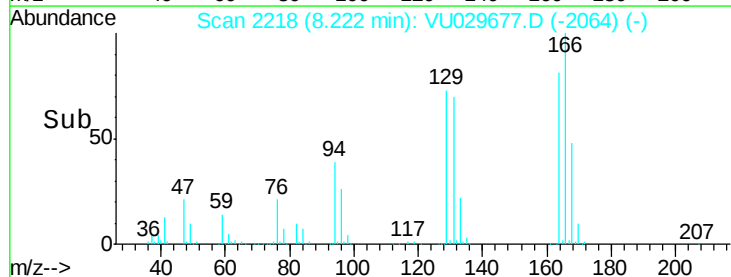
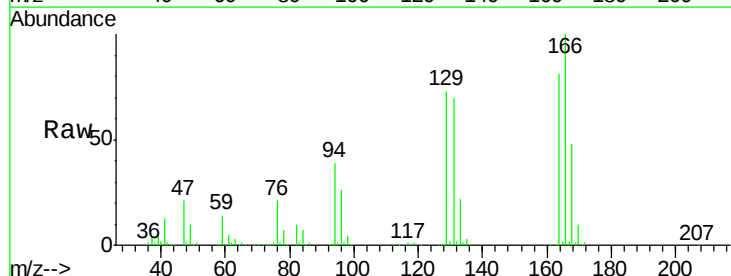
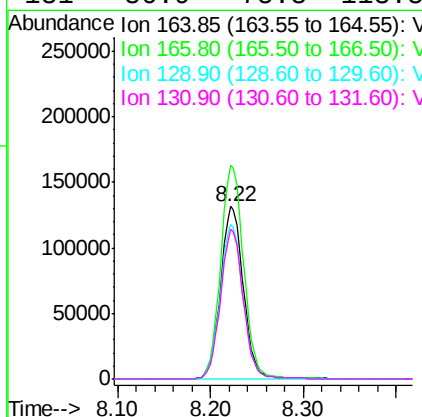
Manual Integrations
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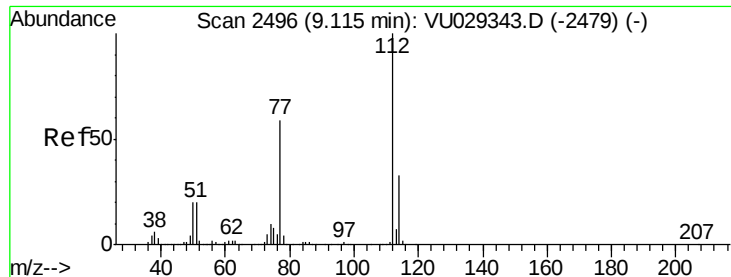
MMDadoda
3/5/2019 9:32:09 AM



#58
Tetrachloroethene
Concen: 11.511 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	106.6	159.8
129	90.2	79.9	119.9
131	86.9	75.8	113.8





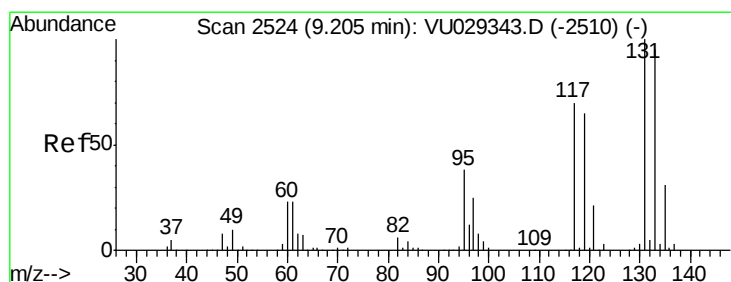
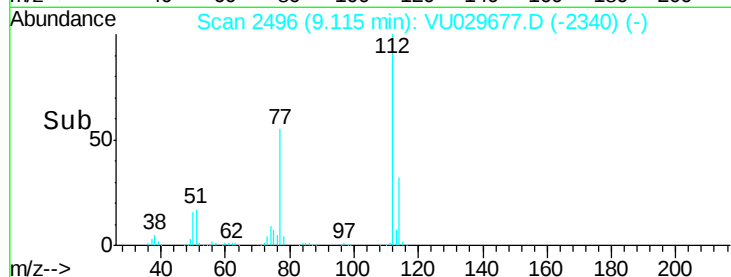
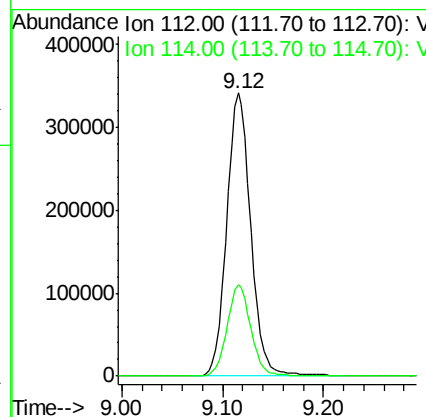
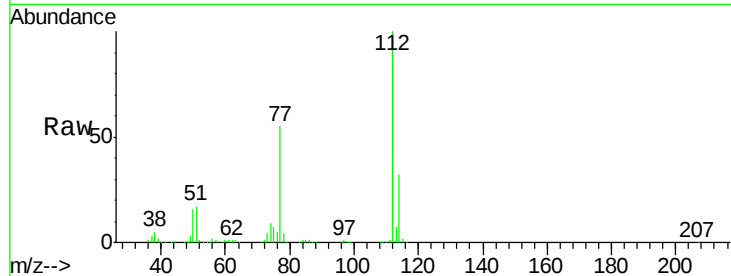
#59
Chlorobenzene
Concen: 10.821 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.2	39.4

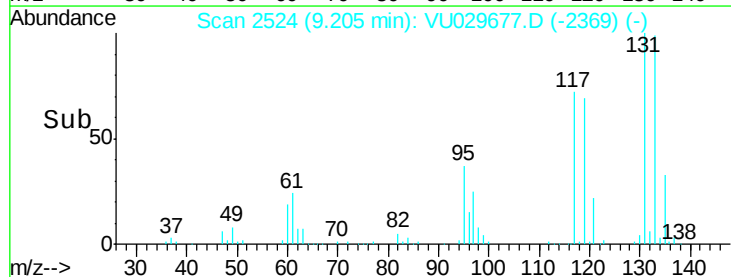
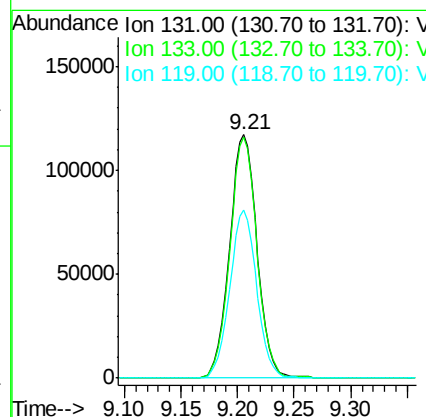
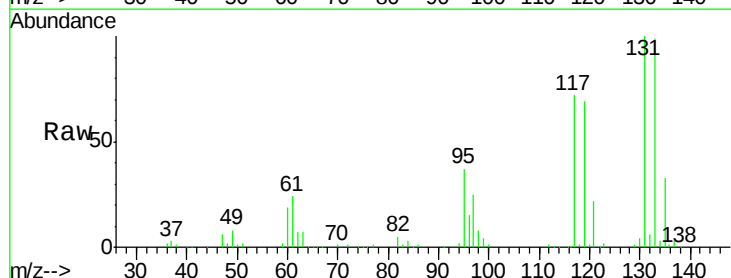
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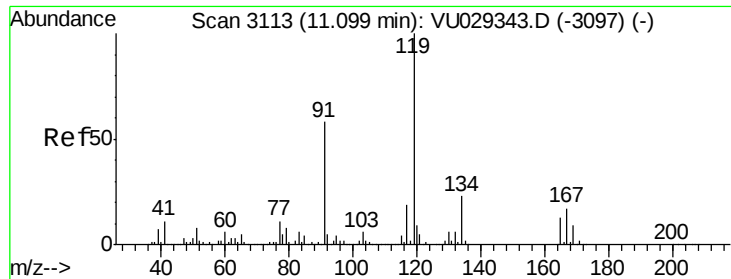
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.156 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	77.3	115.9
119	67.8	48.9	73.3





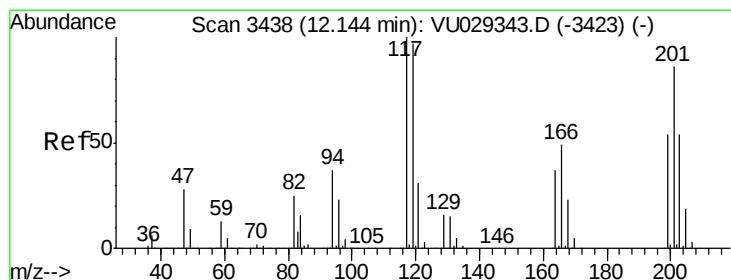
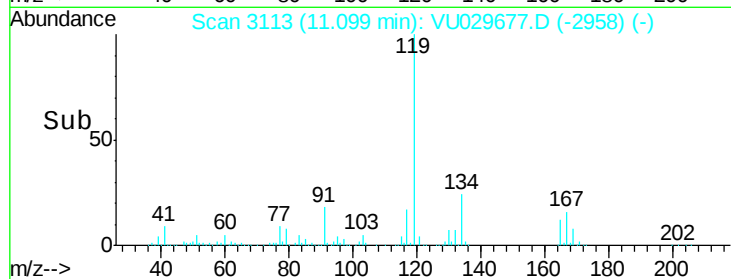
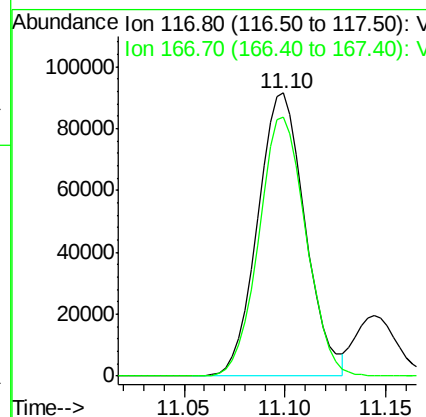
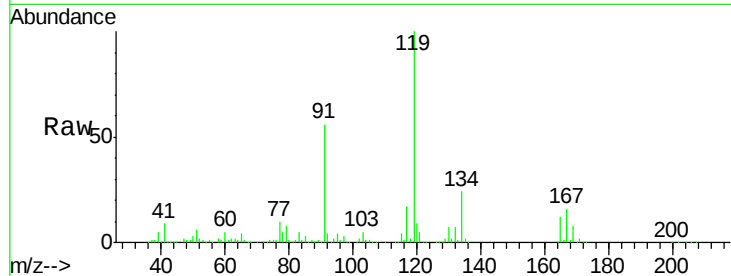
#61
 Pentachloroethane
 Concen: 9.954 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	150172		
167	90.8	65.9	98.9	

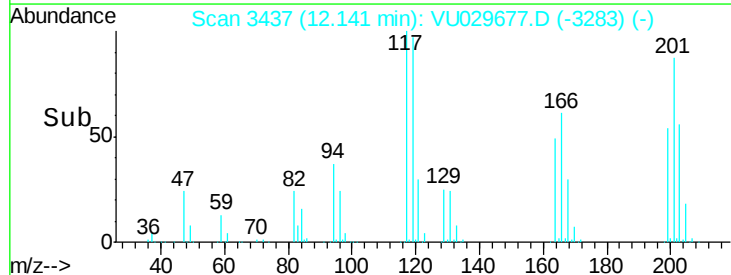
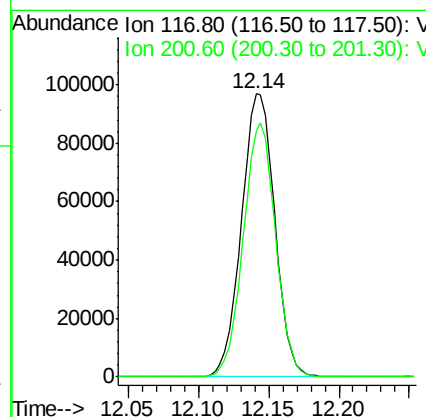
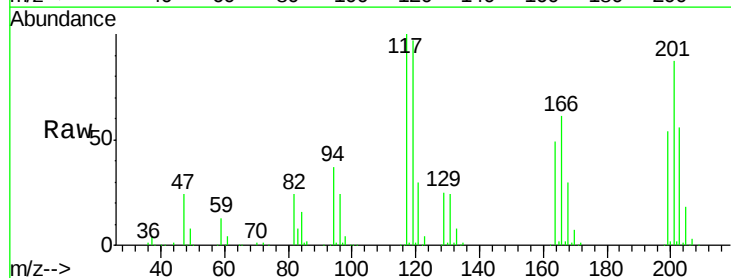
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 APPROVED

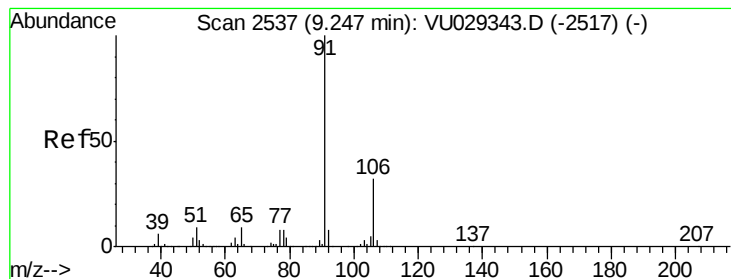
MMDadoda
 3/5/2019 9:32:09 AM



#62
 Hexachloroethane
 Concen: 9.766 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	160815		
201	86.8	68.2	102.2	





#63

Ethyl Benzene

Concen: 10.576 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 967541

Ion Ratio Lower Upper

91 100

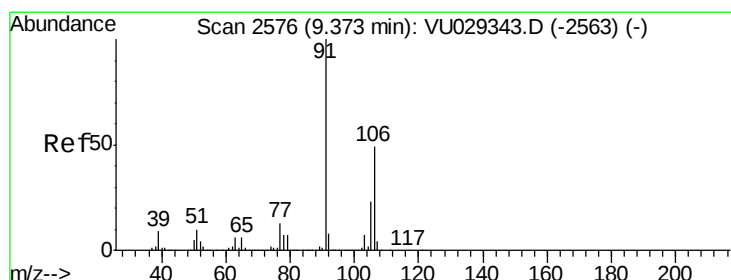
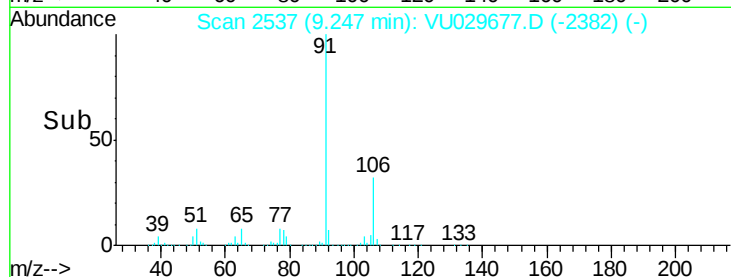
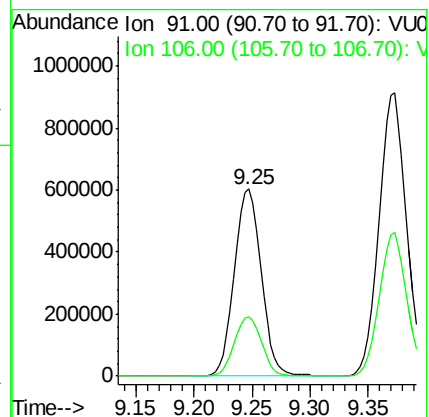
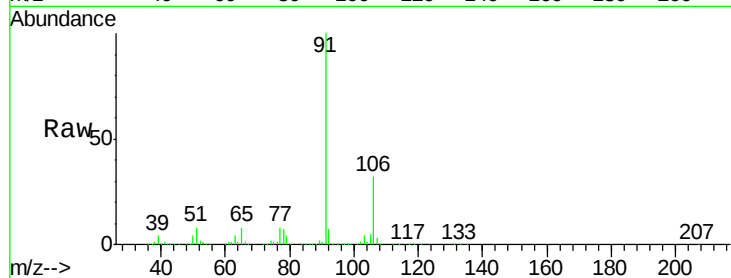
106 31.9 23.8 35.6

Manual Integrations

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#64

m/p-Xylenes

Concen: 21.695 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029677.D

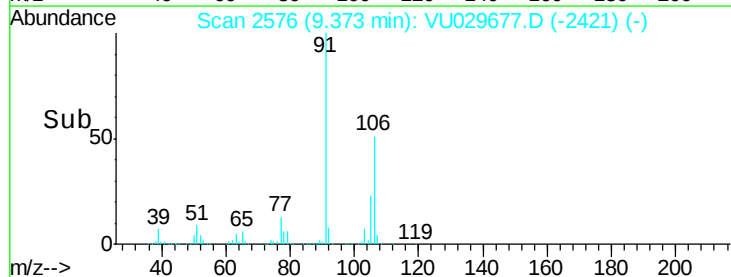
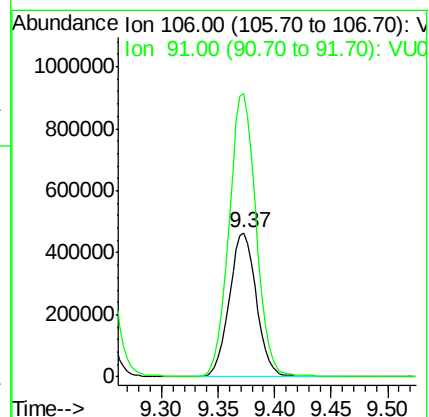
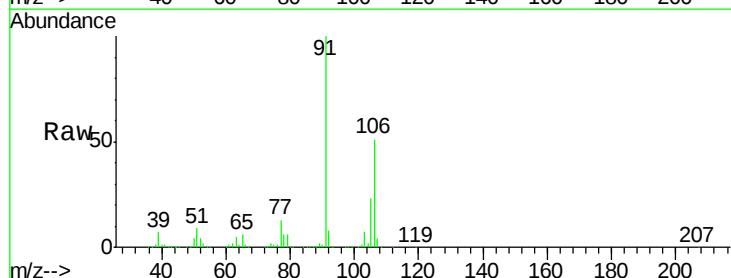
Acq: 26 Feb 2019 13:07

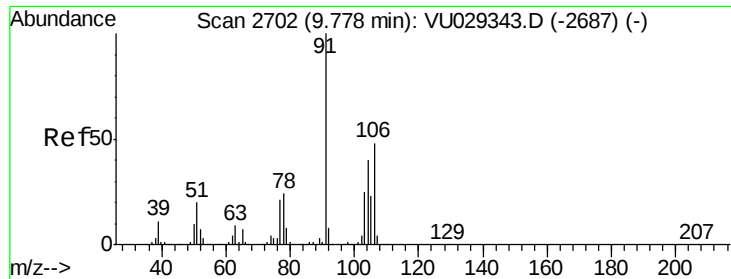
Tgt Ion: 106 Resp: 771315

Ion Ratio Lower Upper

106 100

91 196.8 174.6 261.8





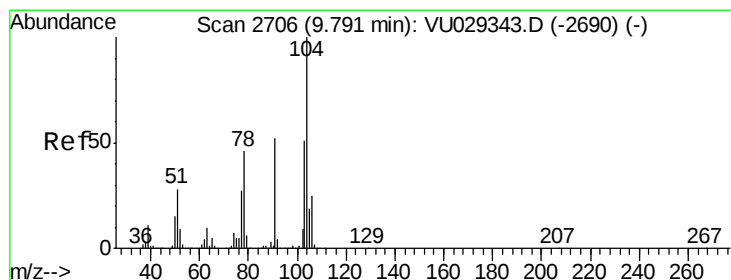
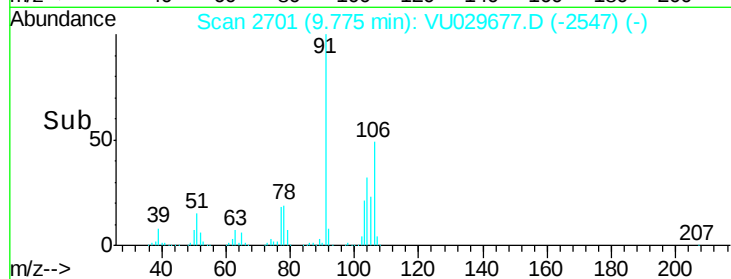
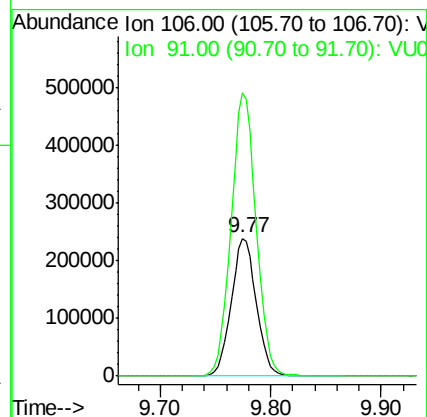
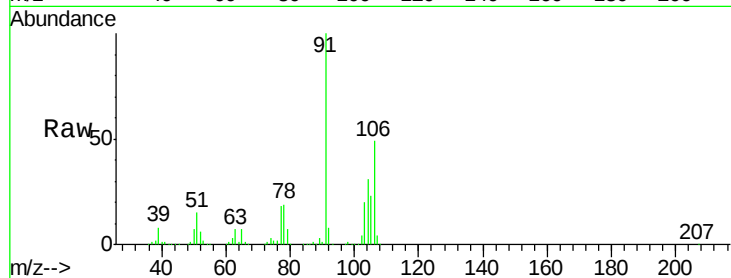
#65
o-Xylene
Concen: 10.777 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		376086		
91	205.8	114.5	343.4		

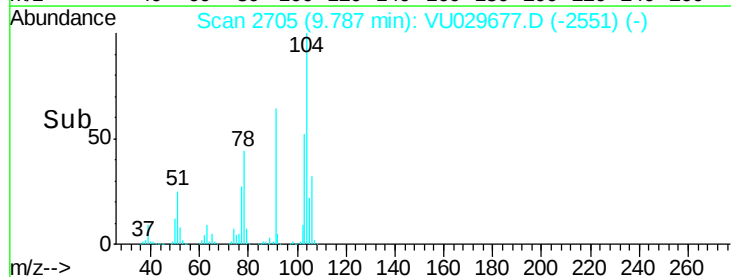
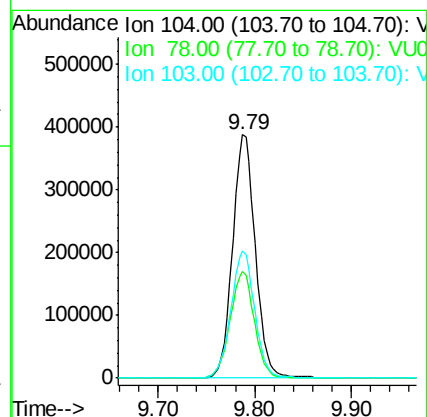
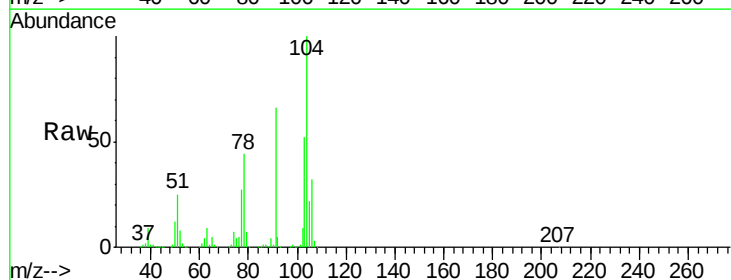
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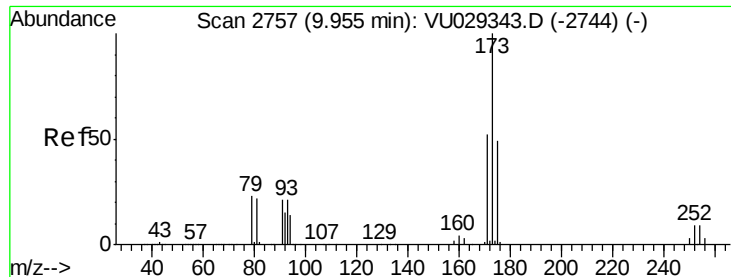
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#66
Styrene
Concen: 10.922 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		635360		
78	46.9	46.5	69.7		
103	55.0	44.7	67.1		





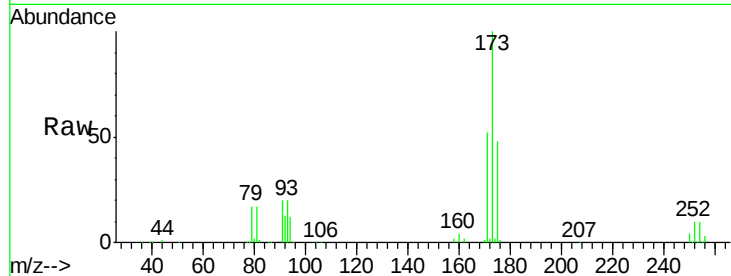
#67
Bromoform
Concen: 9.621 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

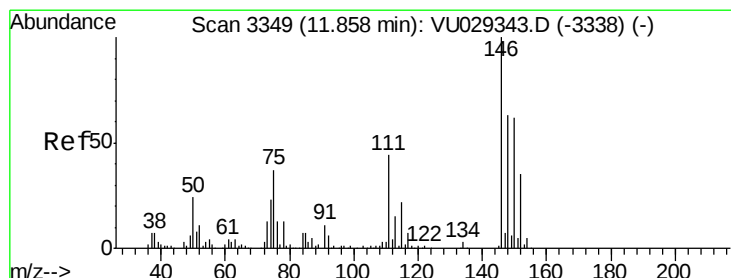
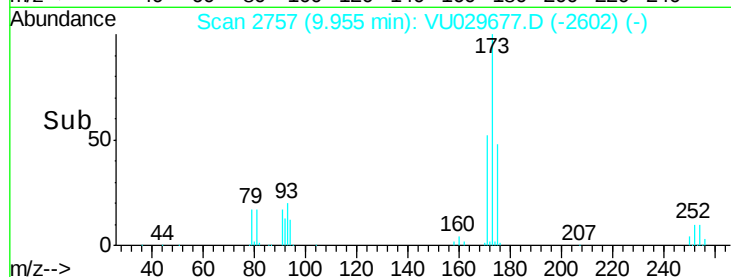
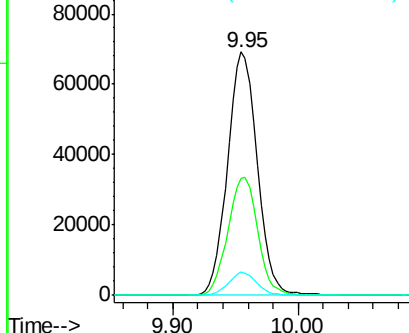
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.9	58.3
254	9.0	7.4	11.2

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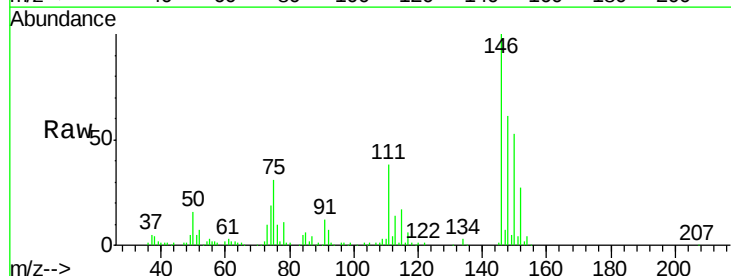


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

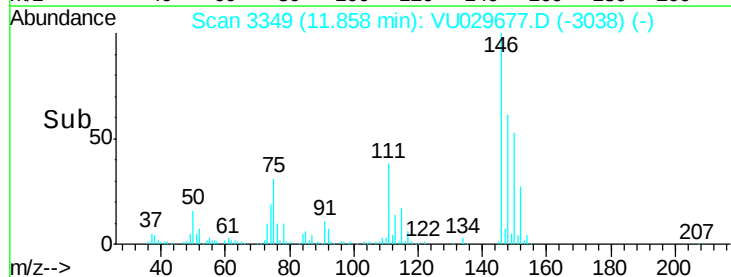
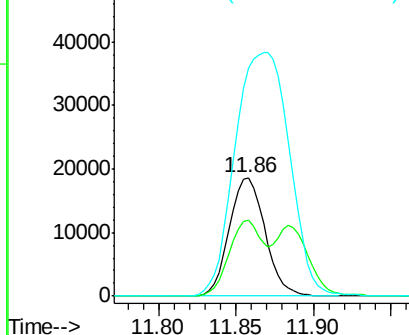


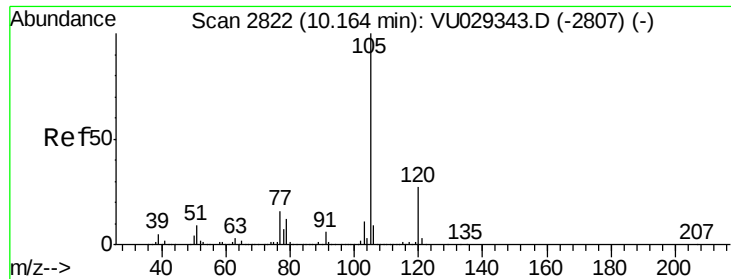
#68
1,2-Dichlorobenzene-d4
Concen: 9.621 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	0.0	133.4
150	0.0	0.0	670.8



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





#69

Isopropylbenzene

Concen: 10.689 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 996581

Ion Ratio Lower Upper

105 100

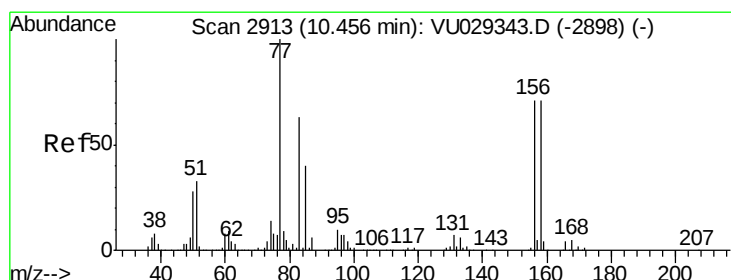
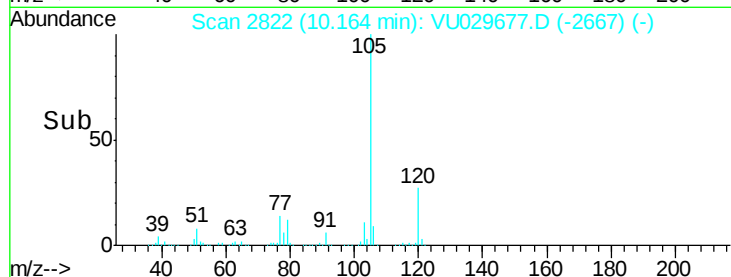
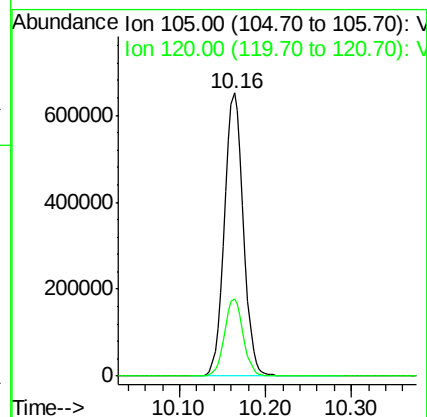
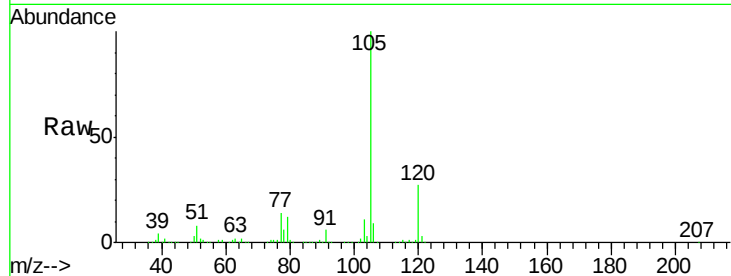
120 27.0 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 10.882 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

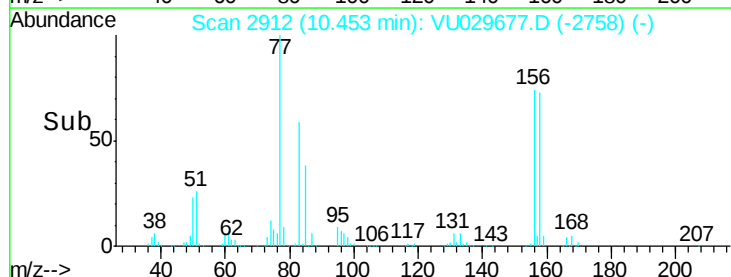
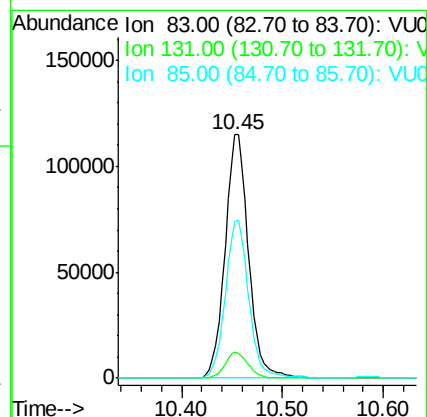
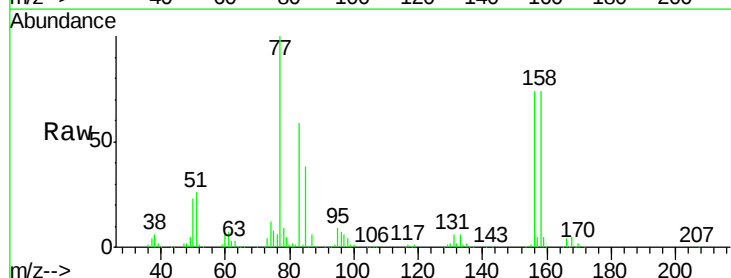
Tgt Ion: 83 Resp: 187069

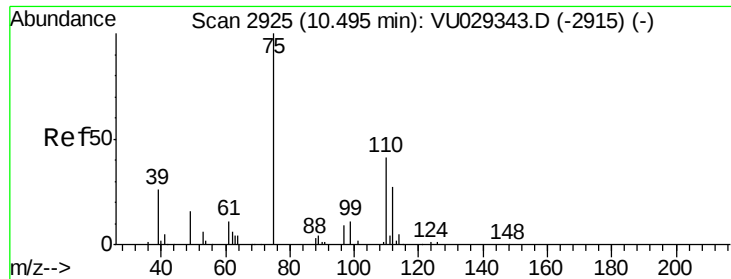
Ion Ratio Lower Upper

83 100

131 10.5 8.1 12.1

85 64.2 50.3 75.5





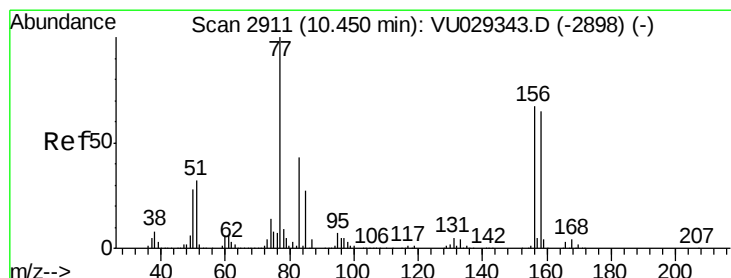
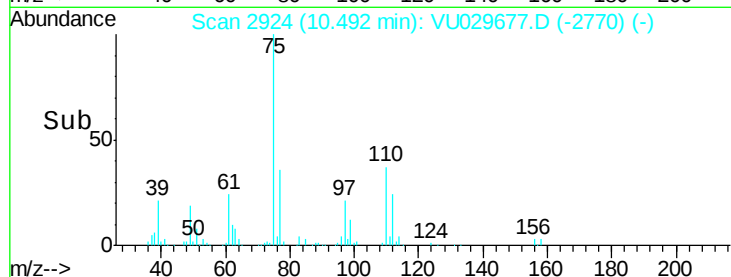
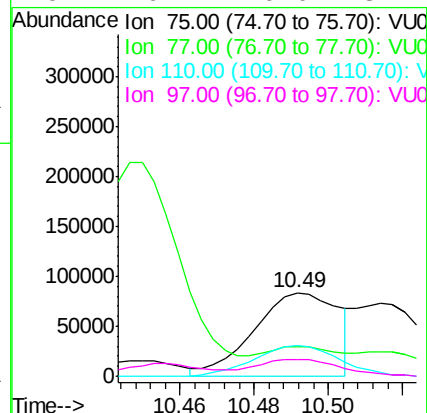
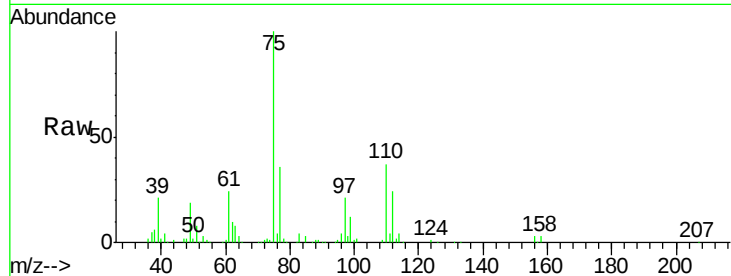
#71
 1,2,3-Trichloropropane
 Concen: 11.251 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	9.5	0.0	0.0#
110	37.5	0.0	63.6
97	20.2	0.0	31.4

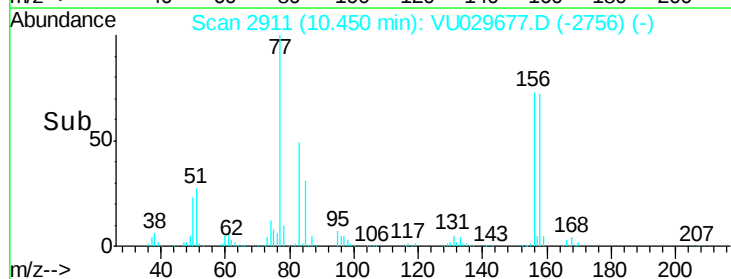
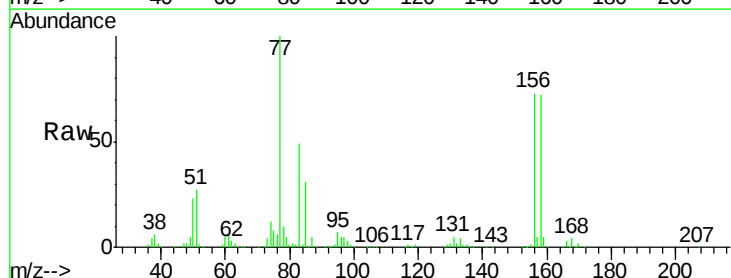
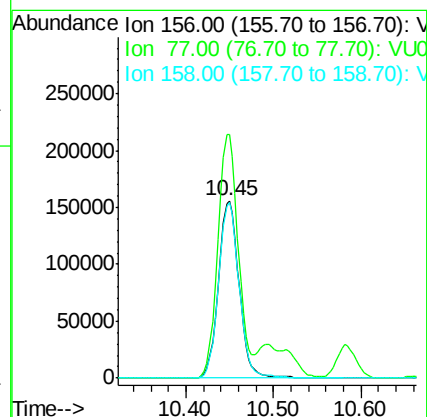
Manual Integrations
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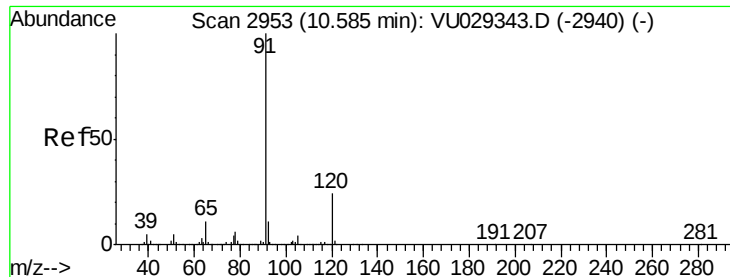
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#72
 Bromobenzene
 Concen: 11.271 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
156	100		
77	137.4	0.0	343.8
158	98.7	0.0	195.0





#73

n-propylbenzene

Concen: 10.938 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 284060

Ion Ratio Lower Upper

120 100

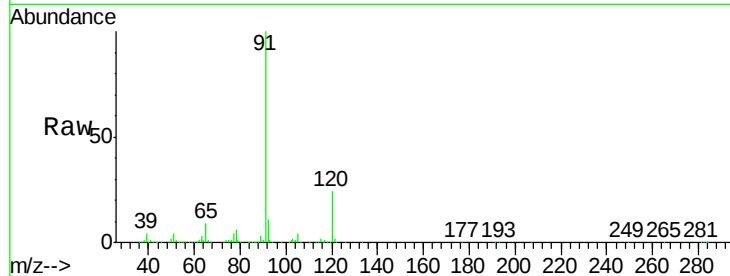
91 416.4 370.0 555.0

Manual Integrations

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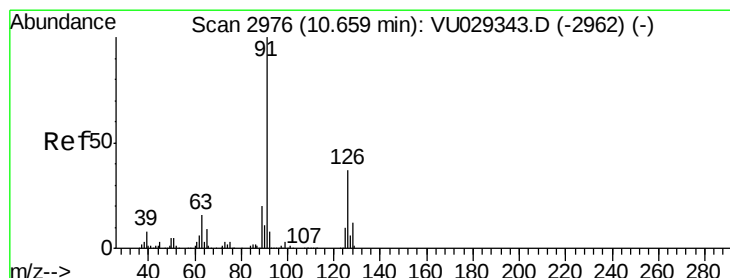
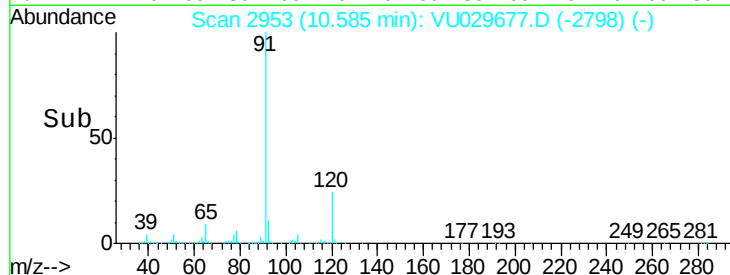
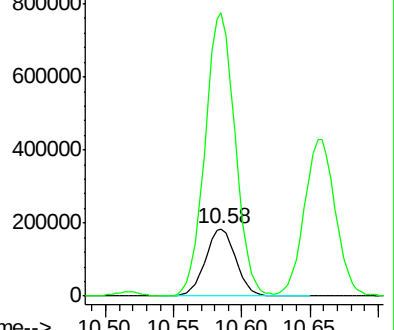
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.805 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU029677.D

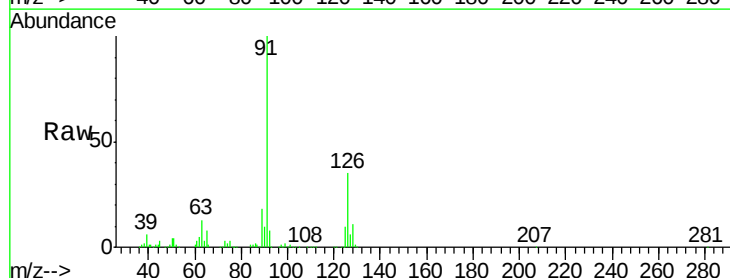
Acq: 26 Feb 2019 13:07

Tgt Ion:126 Resp: 238935

Ion Ratio Lower Upper

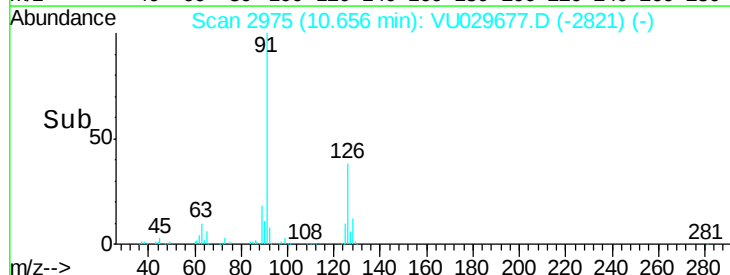
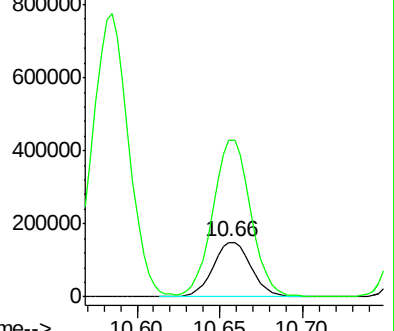
126 100

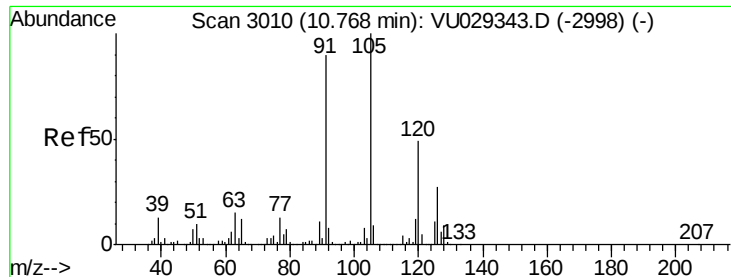
91 285.8 0.0 643.0



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: 10.569 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 849601

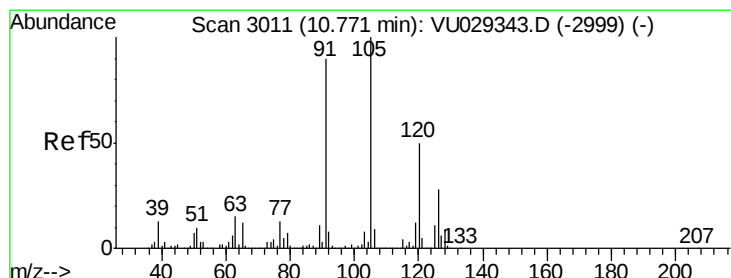
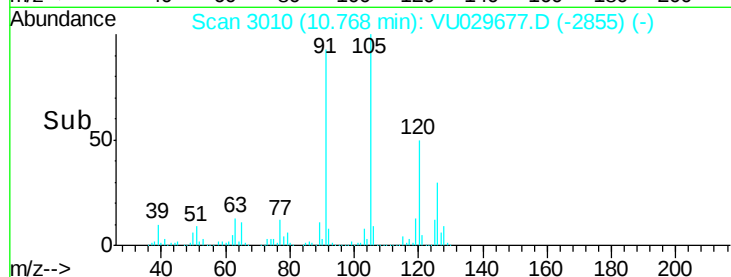
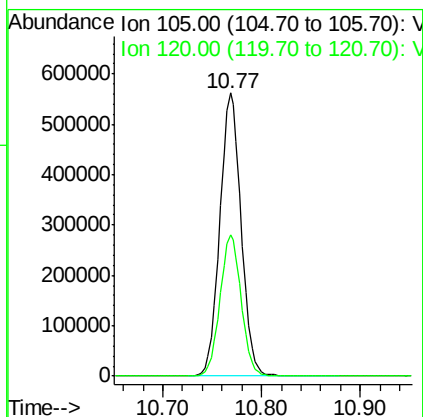
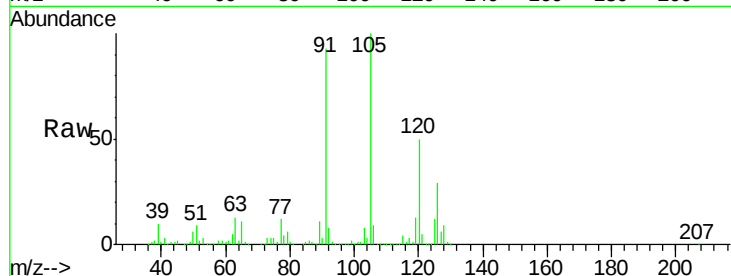
Ion Ratio Lower Upper

105 100

120 50.0 37.3 55.9

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#76

4-Chlorotoluene

Concen: 11.089 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029677.D

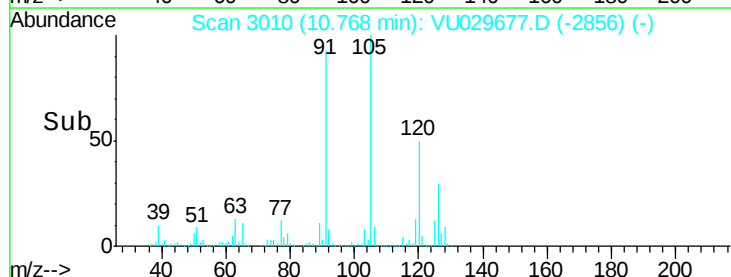
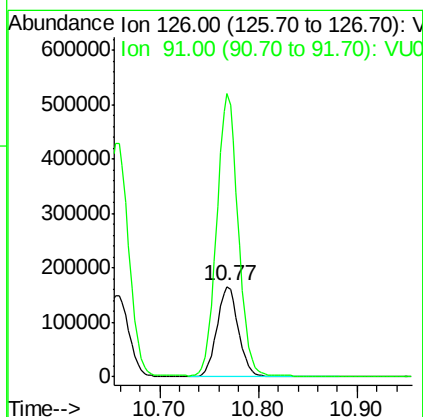
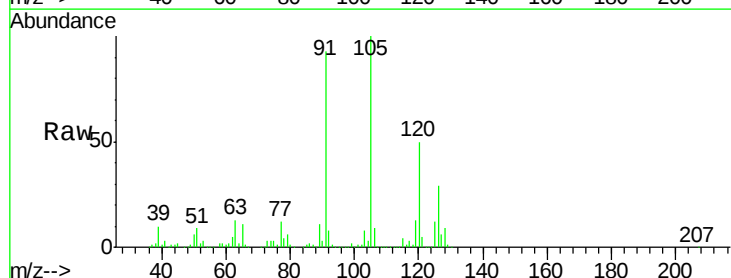
Acq: 26 Feb 2019 13:07

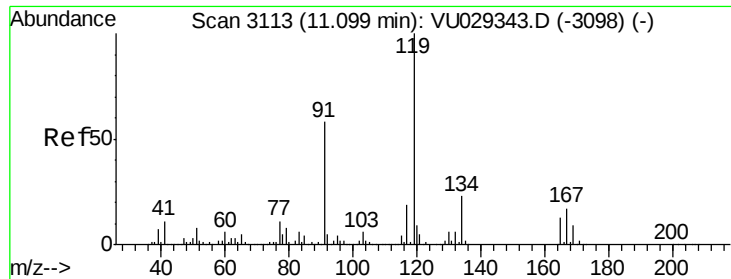
Tgt Ion:126 Resp: 254500

Ion Ratio Lower Upper

126 100

91 313.3 0.0 727.4





#77

tert-Butylbenzene

Concen: 10.694 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

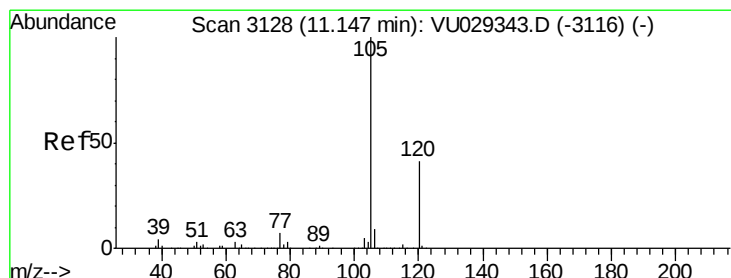
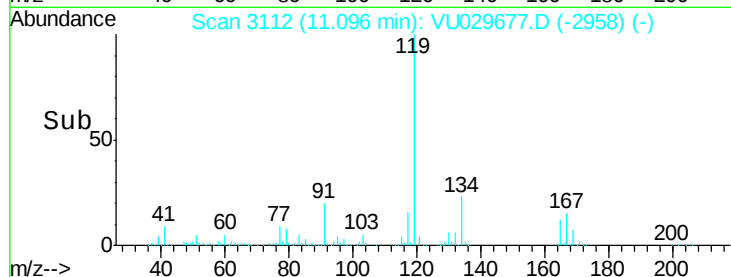
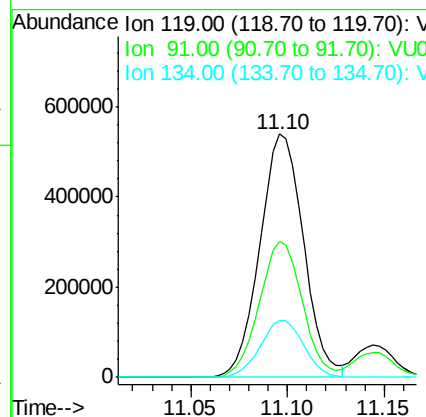
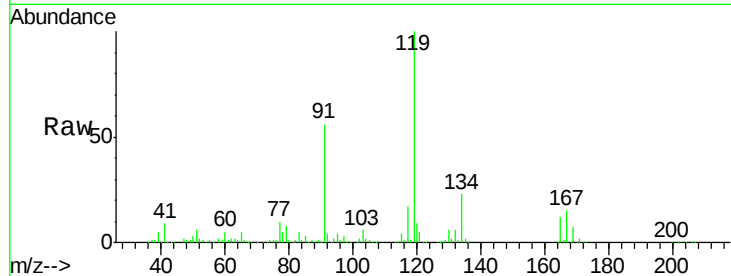
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	849715
Ion Ratio	Lower	Upper	
119	100		
91	55.1	32.2	96.6
134	23.3	17.6	26.4

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#78

1,2,4-Trimethylbenzene

Concen: 10.695 ug/l

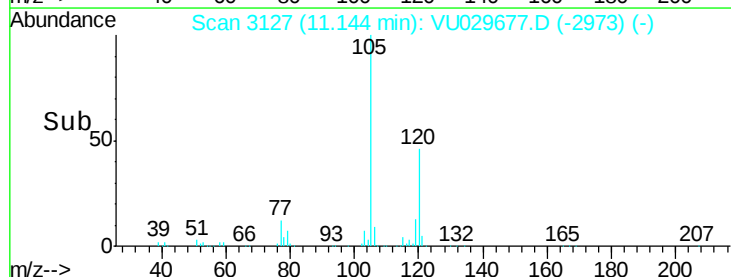
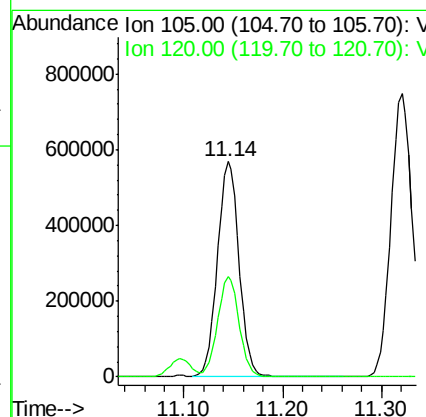
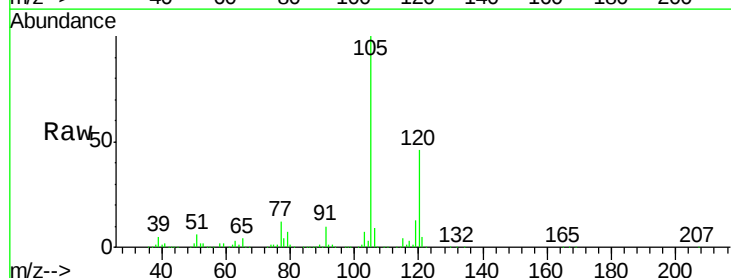
RT: 11.14 min Scan# 3127

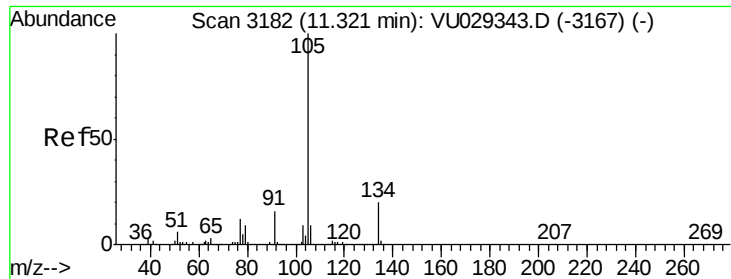
Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Tgt Ion:	105	Resp:	870341
Ion Ratio	Lower	Upper	
105	100		
120	46.4	21.4	64.3





#79

sec-Butylbenzene

Concen: 10.860 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 1129027

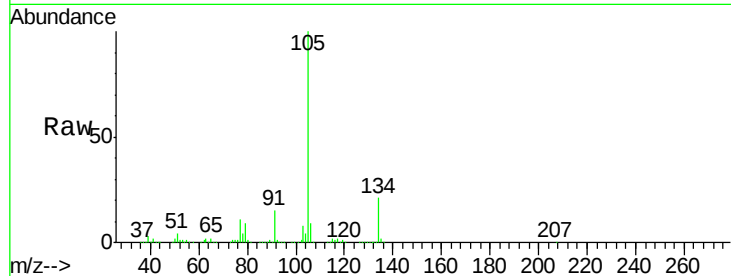
Ion Ratio Lower Upper

105 100

134 20.7 15.0 22.6

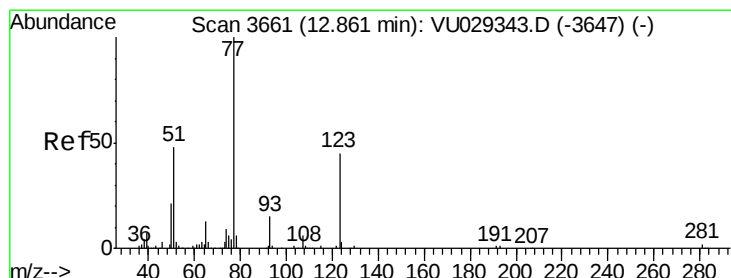
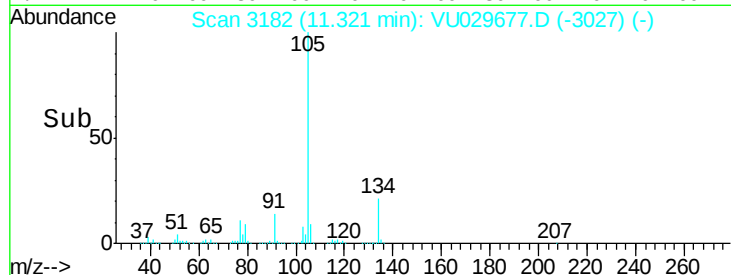
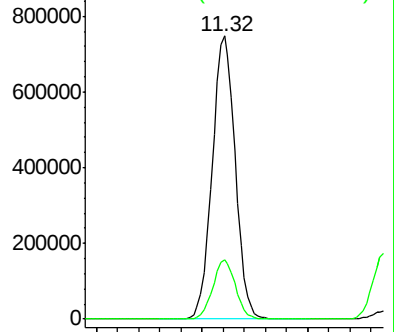
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 26.926 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

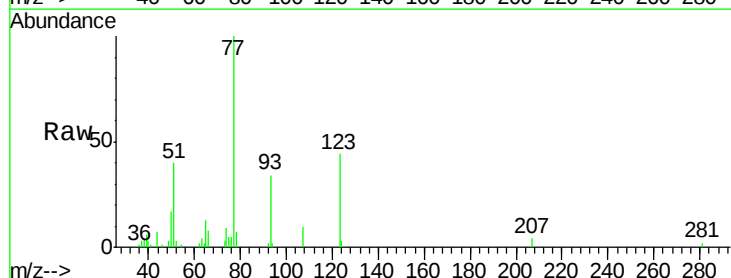
Tgt Ion: 77 Resp: 20622

Ion Ratio Lower Upper

77 100

123 45.4 17.5 61.9

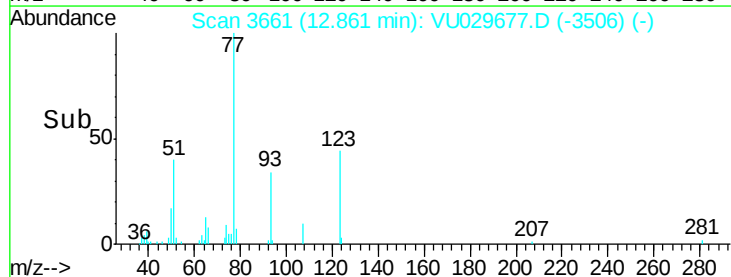
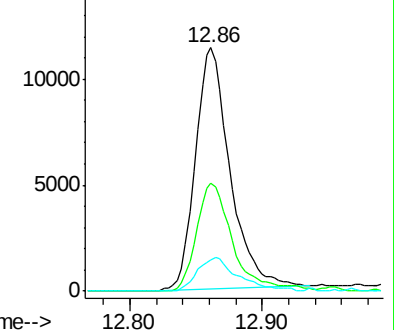
65 14.3 10.8 13.8#

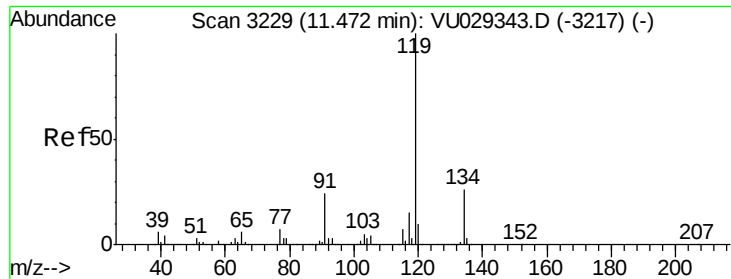


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





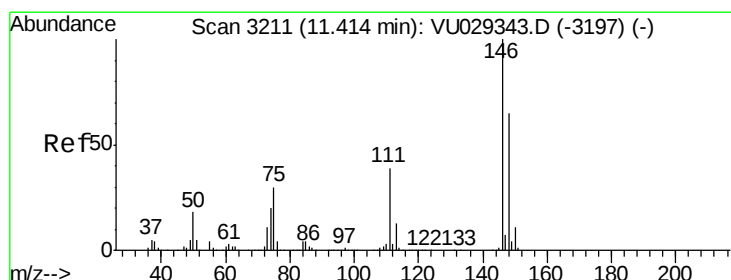
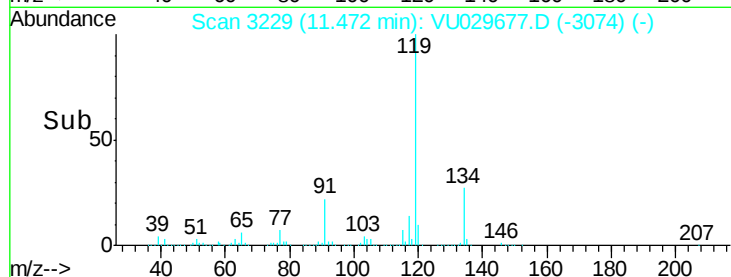
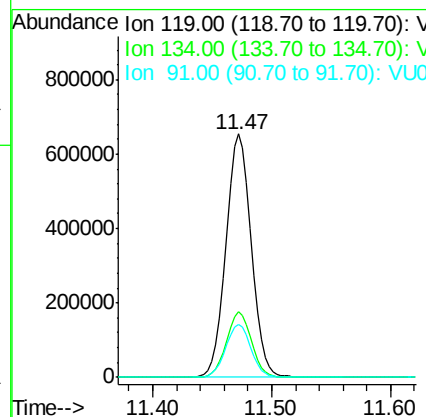
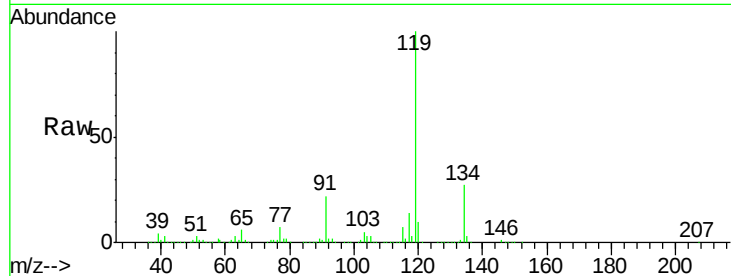
#81
 p-Isopropyltoluene
 Concen: 10.910 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	961419		
134	26.7	19.8	29.6	
91	21.9	21.5	32.3	

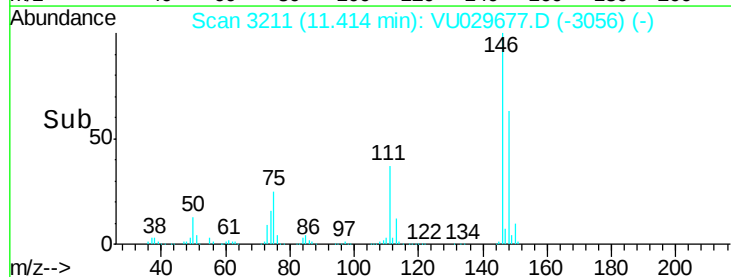
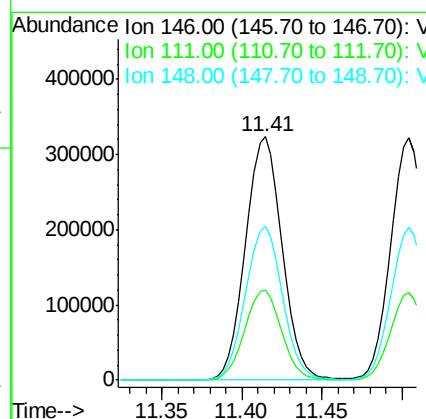
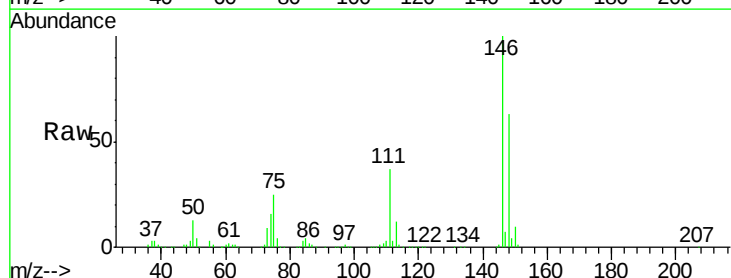
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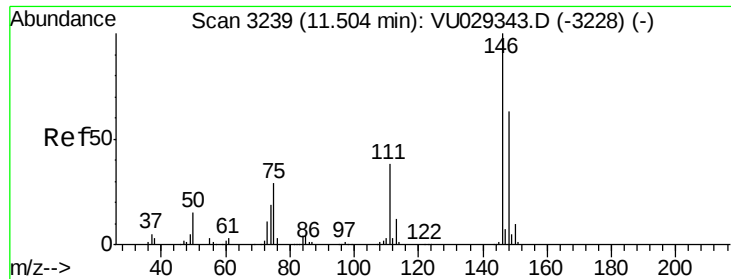
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 3/5/2019 9:32:09 AM



#82
 1,3-Dichlorobenzene
 Concen: 11.394 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	505219		
111	37.4	34.1	51.1	
148	63.7	52.3	78.5	





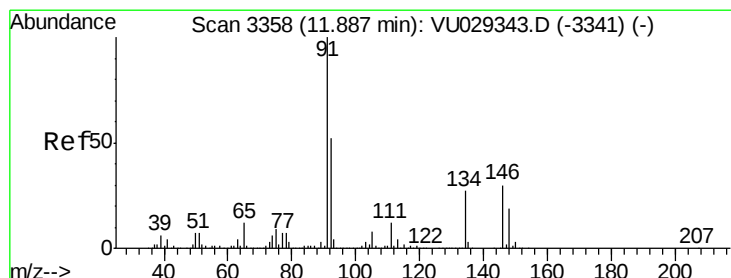
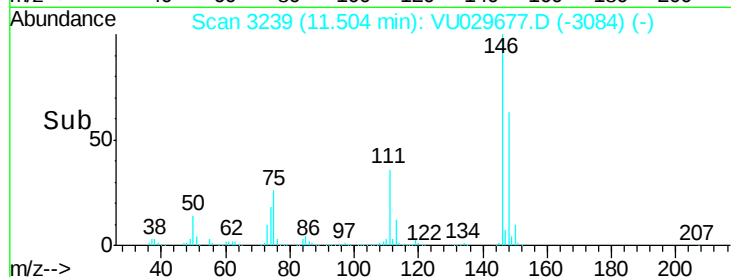
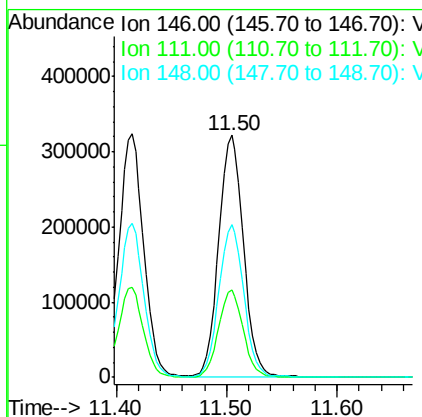
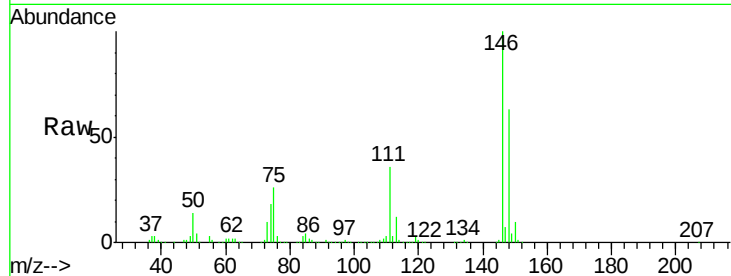
#83
1,4-Dichlorobenzene
Concen: 11.403 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	32.9	49.3
148	63.5	51.8	77.6

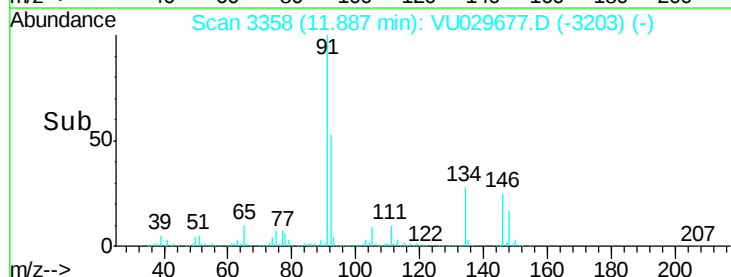
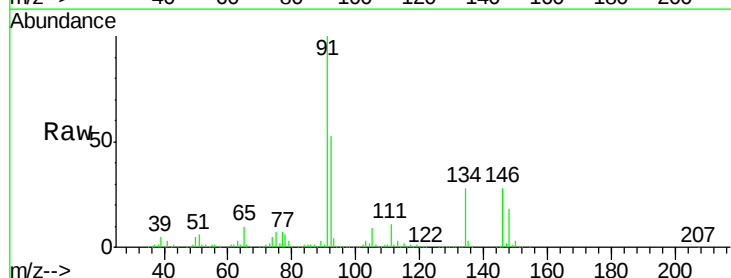
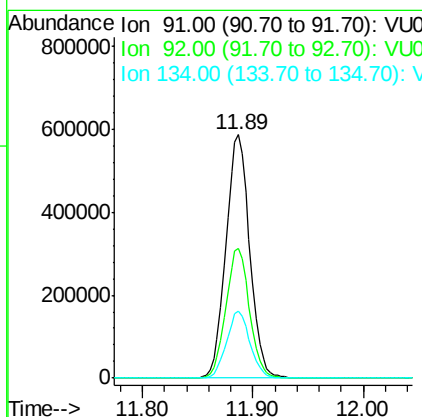
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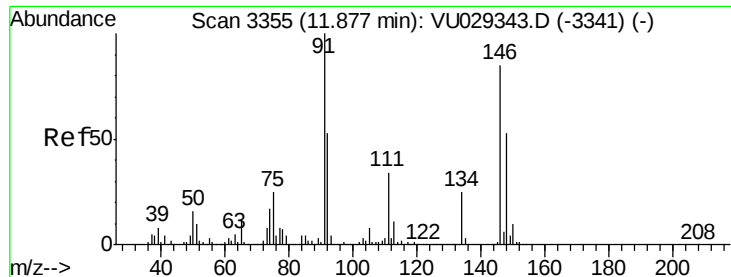
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#84
n-Butylbenzene
Concen: 10.881 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU029677.D
Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	41.0	61.6
134	27.4	19.1	28.7





#85

1,2-Dichlorobenzene

Concen: 11.137 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

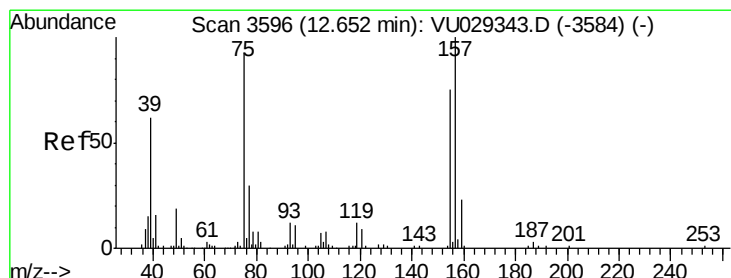
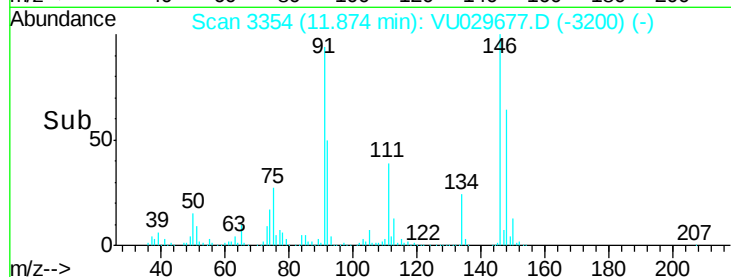
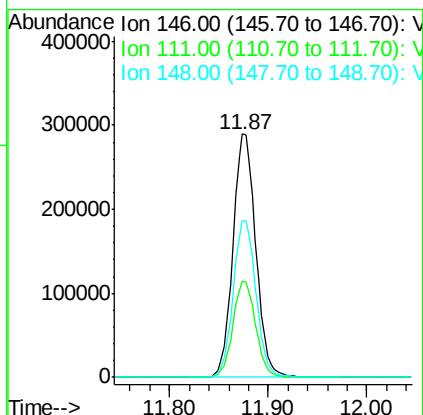
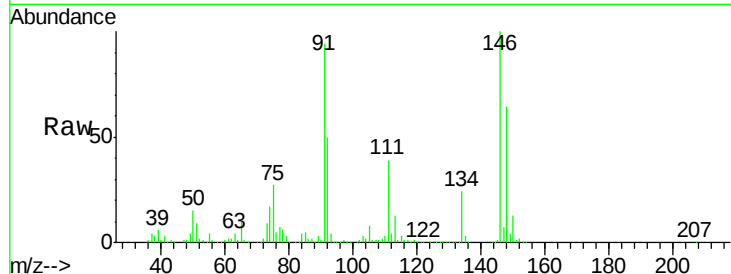
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	466871
Ion Ratio	Lower	Upper	
146	100		
111	39.3	21.9	65.8
148	64.3	31.8	95.3

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 9.074 ug/l

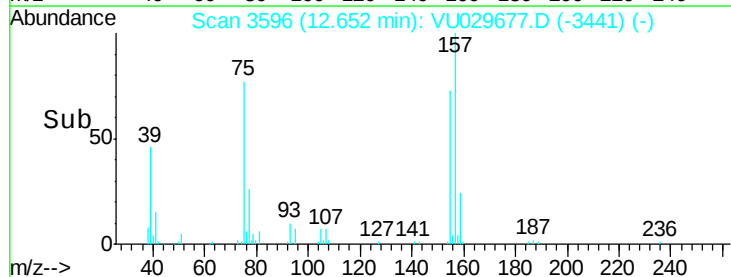
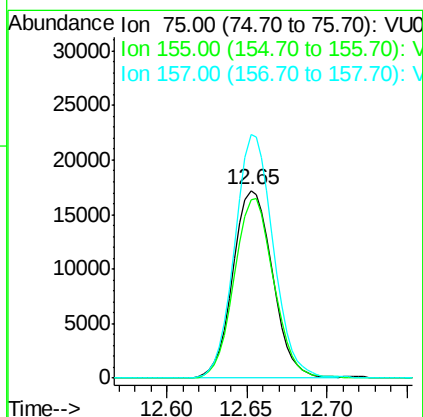
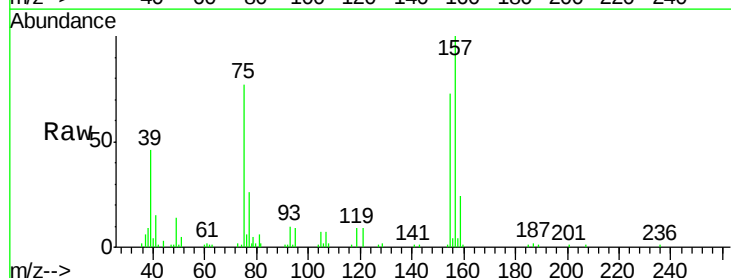
RT: 12.65 min Scan# 3596

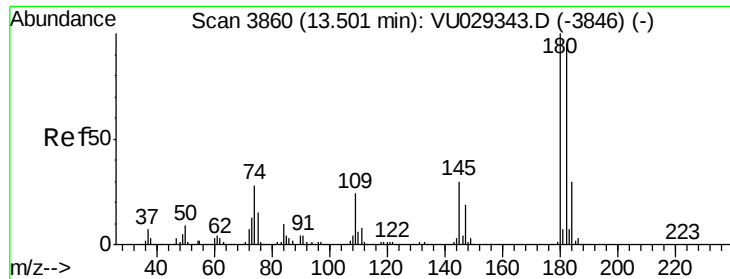
Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Tgt Ion:	75	Resp:	29111
Ion Ratio	Lower	Upper	
75	100		
155	95.3	53.8	80.8#
157	126.4	69.2	103.8#





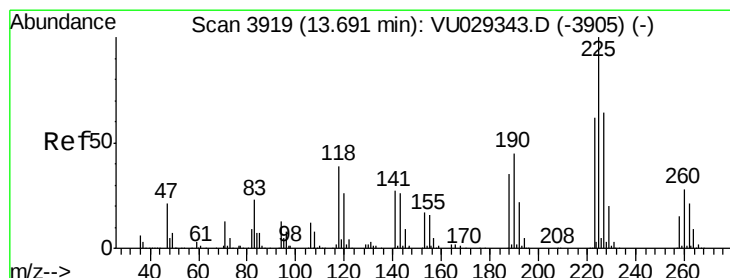
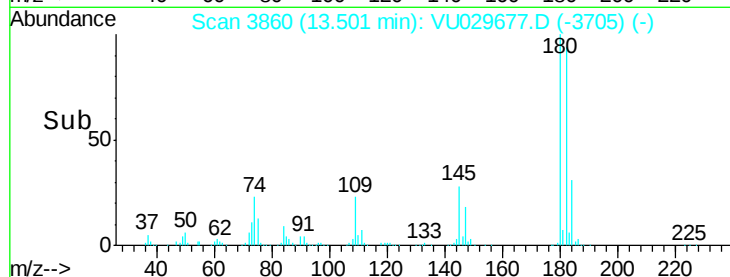
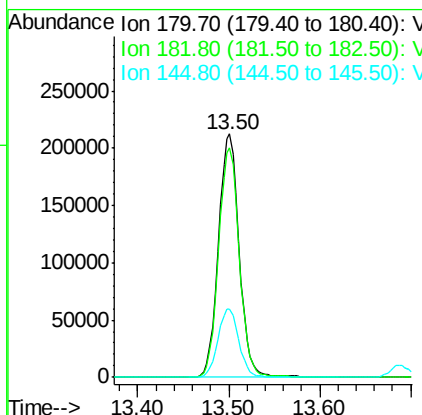
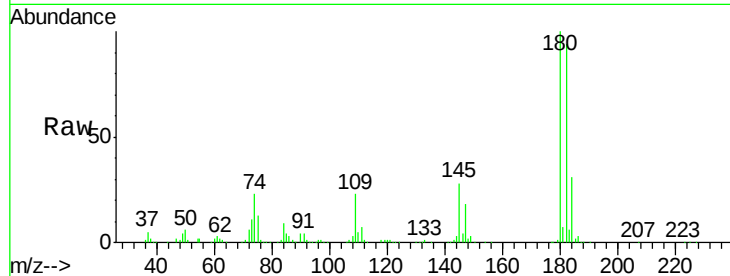
#87
 1,2,4-Trichlorobenzene
 Concen: 11.434 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.6	114.8
145	28.4	24.6	36.8

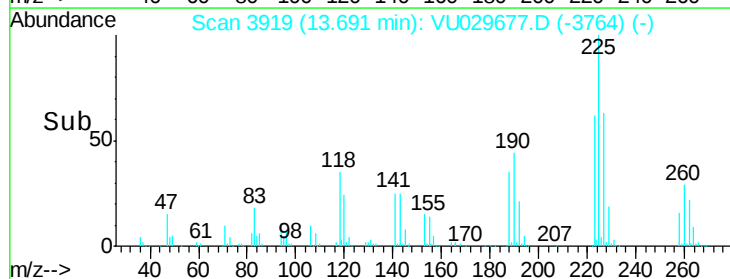
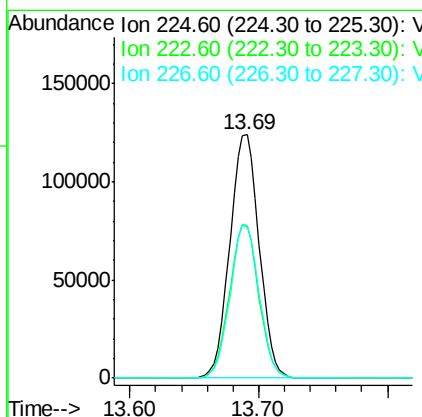
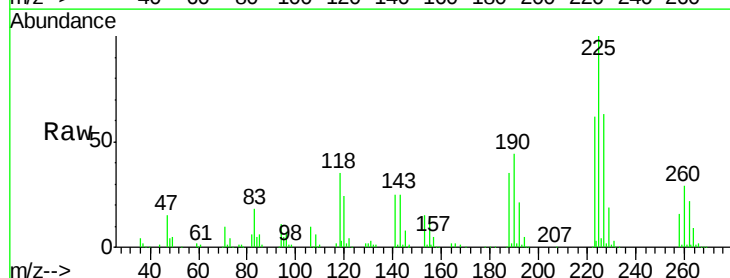
Manual Integrations
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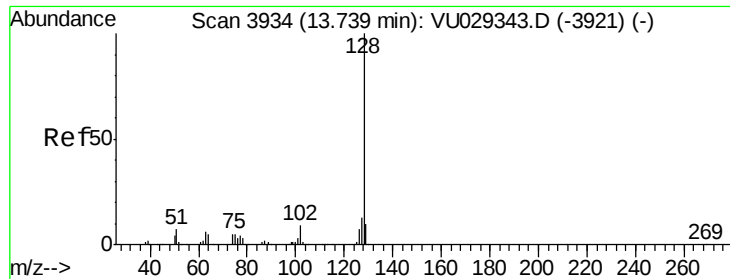
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#88
 Hexachlorobutadiene
 Concen: 11.459 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. -0.00 min
 Lab File: VU029677.D
 Acq: 26 Feb 2019 13:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.5	74.3
227	62.4	50.4	75.6





#89

Naphthalene

Concen: 11.165 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Instrument :

MSVOA_U

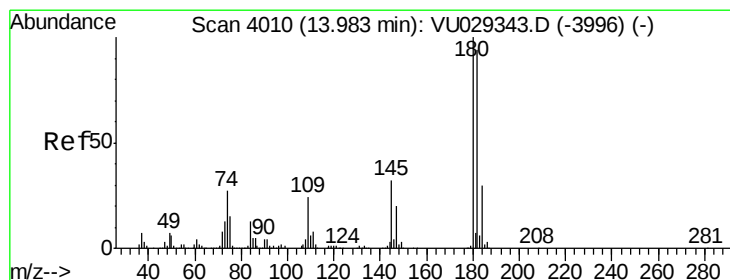
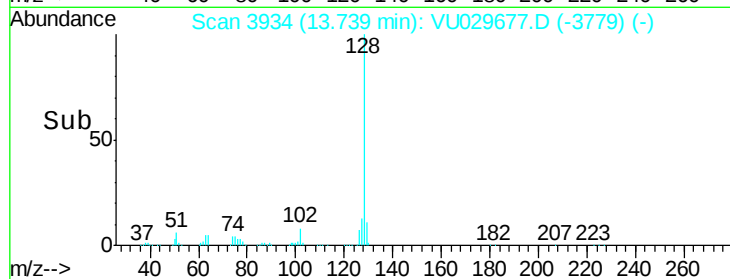
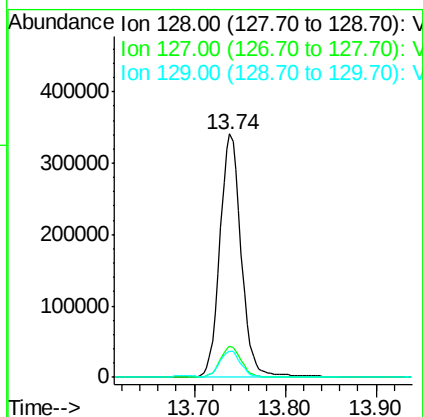
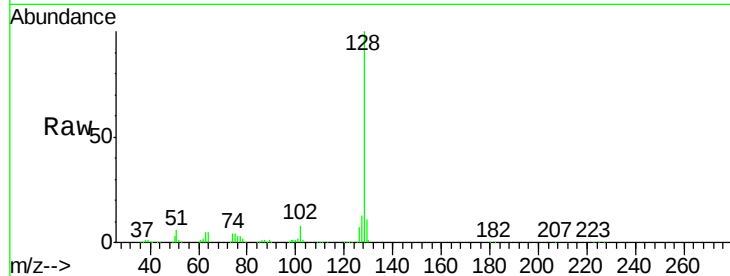
ClientSampleId :

VSTDCCC010EC

Tot Ion:	128	Resp:	557573
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.7	16.1
129	10.7	8.2	12.4

Manual Integrations
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#90

1,2,3-Trichlorobenzene

Concen: 11.259 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029677.D

Acq: 26 Feb 2019 13:07

Tgt Ion:	180	Resp:	302988
Ion Ratio	Lower	Upper	
180	100		
182	96.0	78.0	117.0
145	30.2	26.6	39.8

