

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121418\
 Data File : VU028678.D
 Acq On : 13 Dec 2018 15:07
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:32:37 AM

Quant Time: Dec 14 06:05:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	14286	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5453	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5536	1.14	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	53956	10.499	ug/l	98
3) Chloromethane	1.33	50	81834	9.356	ug/l	98
4) Vinyl Chloride	1.40	62	63270	10.569	ug/l	98
5) Bromomethane	1.61	94	24159	10.243	ug/l	100
6) Chloroethane	1.69	64	35920	10.278	ug/l	100
7) Trichlorofluoromethane	1.88	101	70371	10.763	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	41506	11.038	ug/l	98
9) 1,1-Dichloroethene	2.28	96	36603	10.524	ug/l	92
10) Iodomethane	2.41	142	41404	17.601	ug/l	99
11) Allyl Chloride	2.59	41	87855	10.005	ug/l	99
12) Acrylonitrile	2.94	53	23457	21.172	ug/l	95
13) Acetone	2.32	43	48901	47.629	ug/l	95
14) Carbon Disulfide	2.48	76	132804	10.052	ug/l	100
15) Methylene Chloride	2.70	84	44081	10.393	ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	40344	10.364	ug/l	98
17) 1,1-Dichloroethane	3.44	63	90344	10.411	ug/l	99
18) 2-Butanone	4.28	43	81027	52.814	ug/l	97
19) Cyclohexane	4.98	56	75826	10.065	ug/l	96
20) Methylcyclohexane	6.40	83	70130	9.510	ug/l	97
21) 2,2-Dichloropropane	4.22	77	71114	10.211	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	45401	9.967	ug/l	96
23) Diethyl Ether	2.10	59	36746	10.539	ug/l	98
24) tert-Butyl Alcohol	2.84	59	36445	104.136	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	108148	10.468	ug/l	99
26) Bromochloromethane	4.55	128	17462	10.056	ug/l	97
27) Chloroform	4.67	83	79590	9.511	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	67726	10.363	ug/l	97
29) 1,1-Dichloropropene	5.13	75	61070	9.741	ug/l	99
30) Carbon Tetrachloride	5.12	117	52617	9.970	ug/l	99
31) Isopropyl Ether	3.58	45	161191	10.373	ug/l	100
32) Ethyl-t-butyl ether	4.08	59	130650	10.208	ug/l	100
33) Tert-Amyl methyl ether	5.59	73	106269	10.009	ug/l	100
34) Propionitrile	4.33	54	21901	56.826	ug/l #	98
35) Benzene	5.38	78	177598	9.623	ug/l	100
36) 1,2-Dichloroethane	5.40	62	55541	10.062	ug/l	99
37) Trichloroethene	6.18	130	39313	9.779	ug/l	95
38) 1,2-Dichloropropane	6.43	63	51900	9.860	ug/l	97
39) Methacrylonitrile	4.55	41	21425	10.378	ug/l	98
40) Methyl acrylate	4.43	55	29237	10.294	ug/l	98
41) Tetrahydrofuran	4.66	42	21672	20.885	ug/l	99
42) 1-Chlorobutane	5.06	56	96298	9.663	ug/l	99

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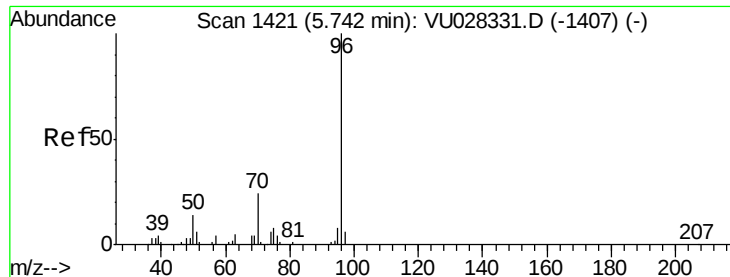
Manual Integrations
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	22195	9.906	ug/l	99
44) Bromodichloromethane	6.76	83	57166	9.662	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	185983	51.678	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	26184m	19.892	ug/l	
47) Methyl methacrylate	6.63	69	48406	21.166	ug/l	97
48) Ethyl methacrylate	8.03	69	46643	10.196	ug/l	98
49) Toluene	7.63	92	102694	10.019	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	55929	9.842	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	67950	9.683	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	32858	10.446	ug/l	97
53) 1,3-Dichloropropane	8.24	76	59961	10.204	ug/l	98
54) 2-Hexanone	8.37	43	130417	50.374	ug/l	99
55) Dibromochloromethane	8.48	129	35212	10.524	ug/l	99
56) 1,2-Dibromoethane	8.59	107	29825	10.409	ug/l	99
58) Tetrachloroethene	8.22	164	38350	10.420	ug/l	97
59) Chlorobenzene	9.12	112	109730	10.288	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	38403	10.625	ug/l	98
61) Pentachloroethane	11.10	117	31407	11.166	ug/l	99
62) Hexachloroethane	12.14	117	30669	11.635	ug/l	99
63) Ethyl Benzene	9.25	91	206805	10.508	ug/l	99
64) m/p-Xylenes	9.37	106	156012	21.905	ug/l	99
65) o-Xylene	9.78	106	73826	10.742	ug/l	100
66) Styrene	9.79	104	129801	11.011	ug/l	98
67) Bromoform	9.96	173	19751	10.533	ug/l	99
69) Isopropylbenzene	10.16	105	197460	10.729	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	46505	11.021	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	30312	10.305	ug/l #	98
72) Bromobenzene	10.45	156	45970	11.254	ug/l	97
73) n-propylbenzene	10.58	120	54149	11.344	ug/l	98
74) 2-Chlorotoluene	10.66	126	47492	11.355	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	173737	11.217	ug/l	96
76) 4-Chlorotoluene	10.77	126	48346	11.402	ug/l	98
77) tert-Butylbenzene	11.10	119	163945	11.243	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	179301	11.296	ug/l	100
79) sec-Butylbenzene	11.32	105	226582	11.146	ug/l	100
80) Nitrobenzene	12.86	77	10221	53.769	ug/l	92
81) p-Isopropyltoluene	11.48	119	181003	11.205	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	92927	11.357	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	93078	11.429	ug/l	99
84) n-Butylbenzene	11.89	91	190898	11.256	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	86939	11.163	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.65	75	6940	10.224	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	58557	10.696	ug/l	98
88) Hexachlorobutadiene	13.69	225	34228	11.555	ug/l	97
89) Naphthalene	13.74	128	116883	10.803	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	55976	10.843	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

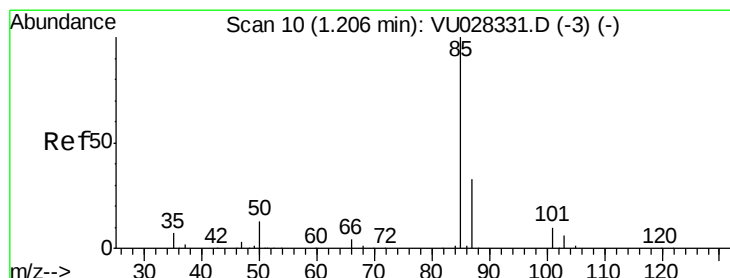
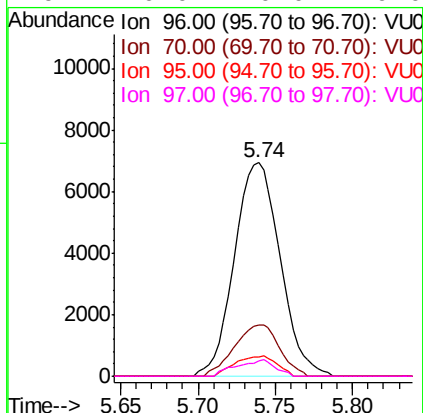
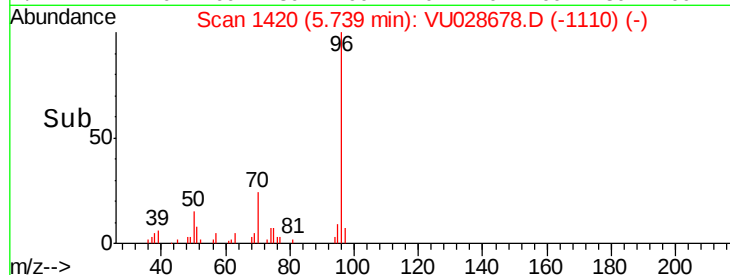
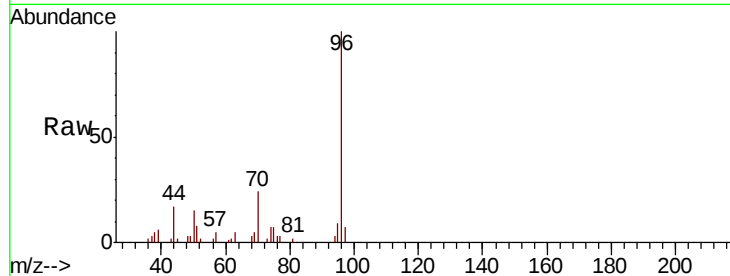
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	14286
Ion	Ratio	Lower	Upper
96	100		
70	23.6	17.8	26.8
95	8.7	7.6	11.4
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 10.499 ug/l

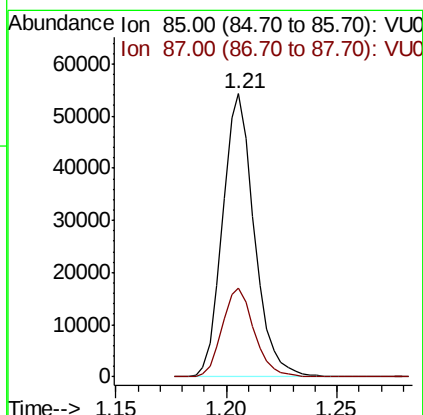
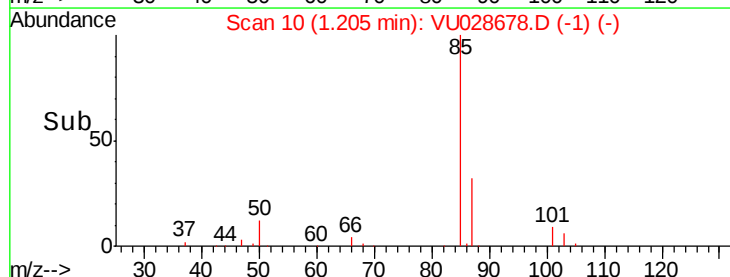
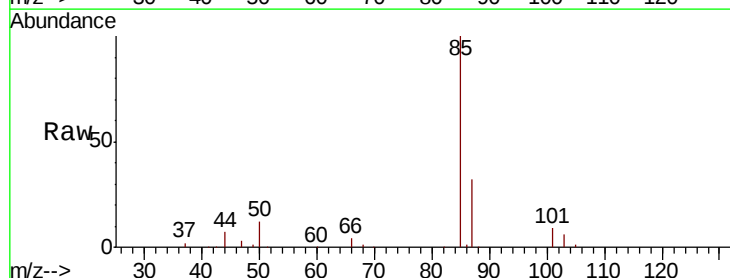
RT: 1.21 min Scan# 10

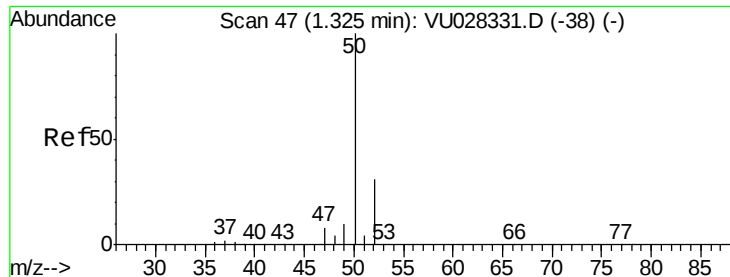
Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	85	Resp:	53956
Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.3	48.8





#3

Chloromethane

Concen: 9.356 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 81834

Ion Ratio Lower Upper

50 100

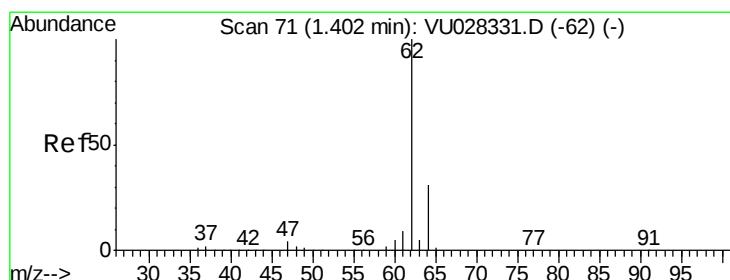
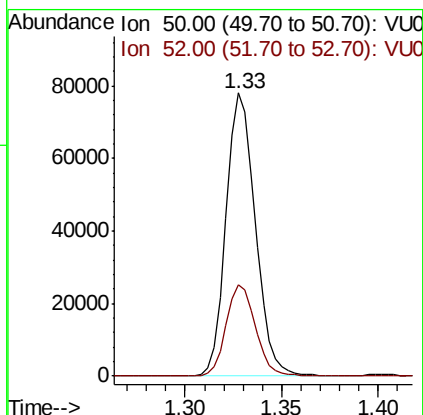
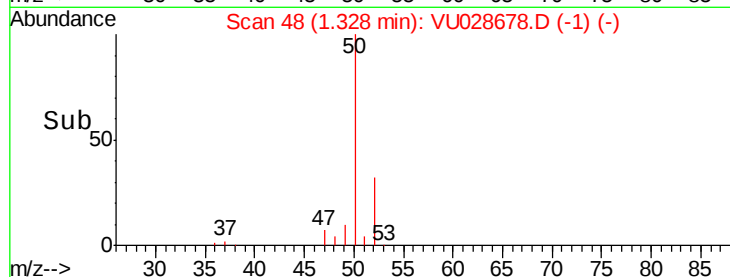
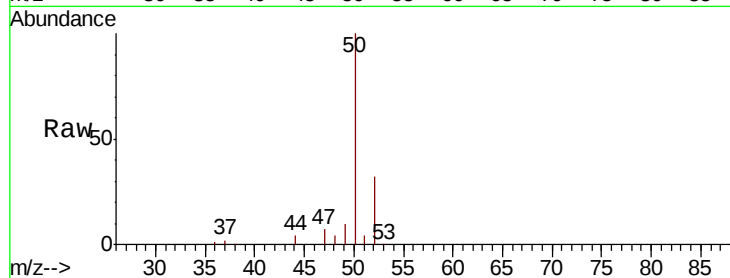
52 32.2 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.569 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028678.D

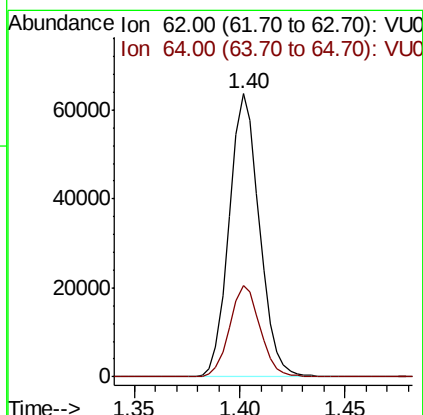
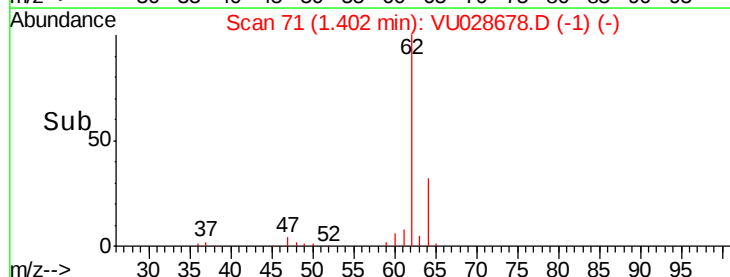
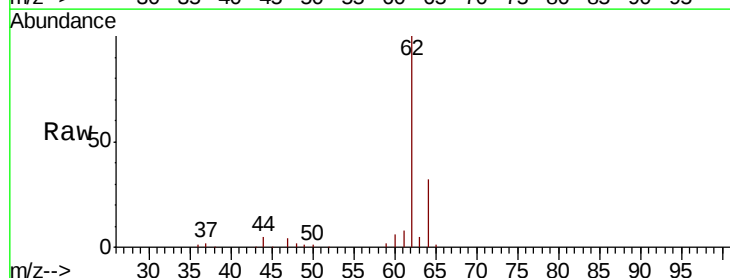
Acq: 13 Dec 2018 15:07

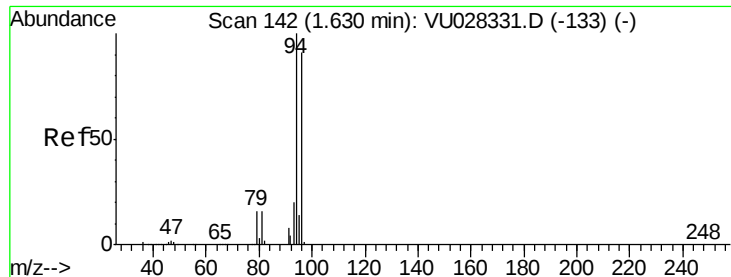
Tgt Ion: 62 Resp: 63270

Ion Ratio Lower Upper

62 100

64 32.2 24.7 37.1





#5

Bromomethane

Concen: 10.243 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.02 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 24159

Ion Ratio Lower Upper

94 100

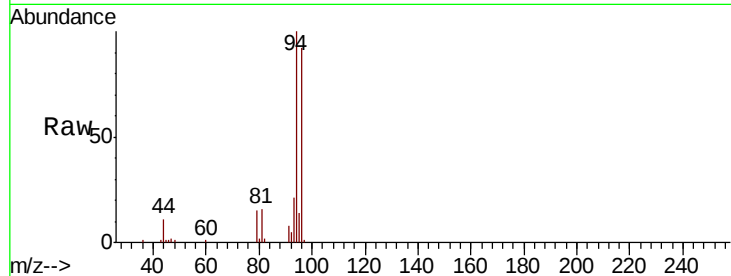
96 91.7 73.1 109.7

Manual Integrations

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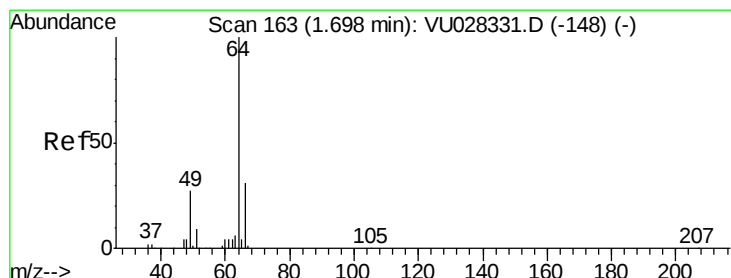
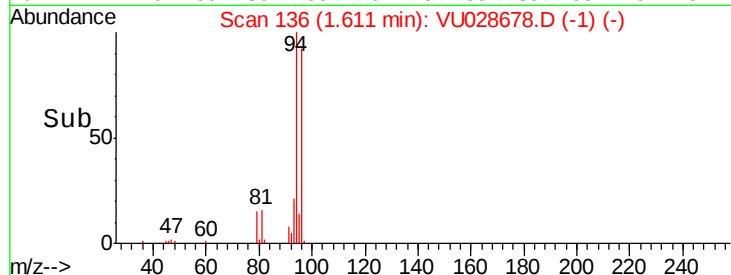
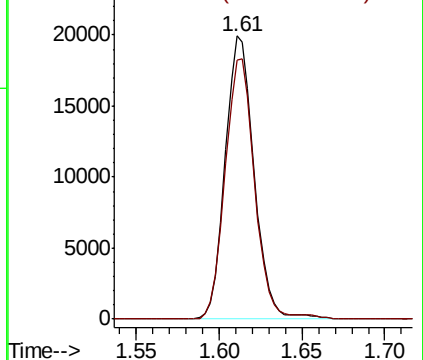
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 10.278 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.01 min

Lab File: VU028678.D

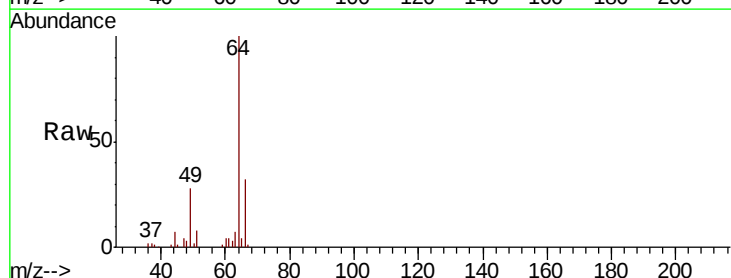
Acq: 13 Dec 2018 15:07

Tgt Ion: 64 Resp: 35920

Ion Ratio Lower Upper

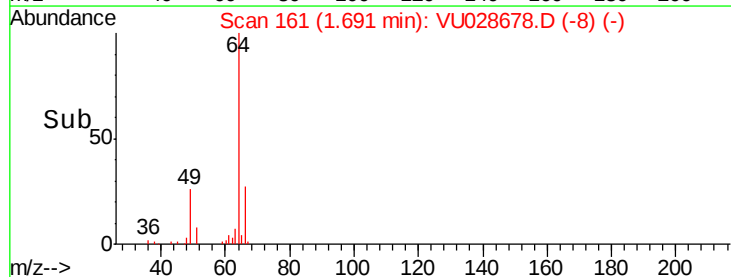
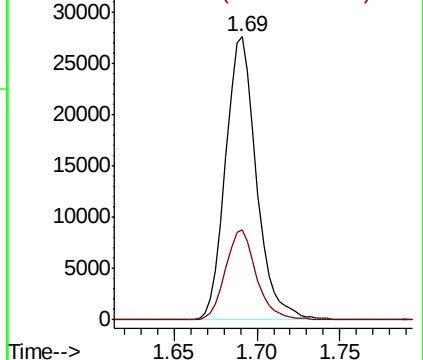
64 100

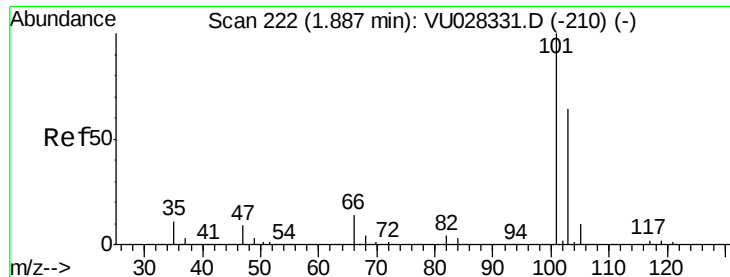
66 31.7 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

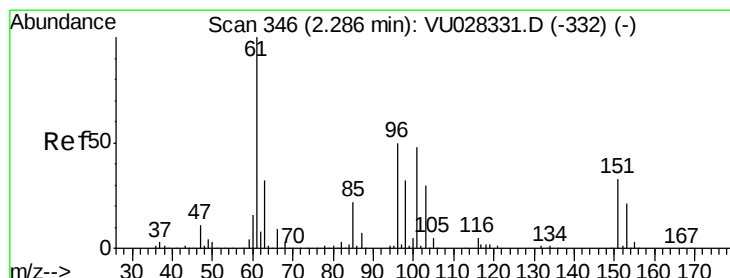
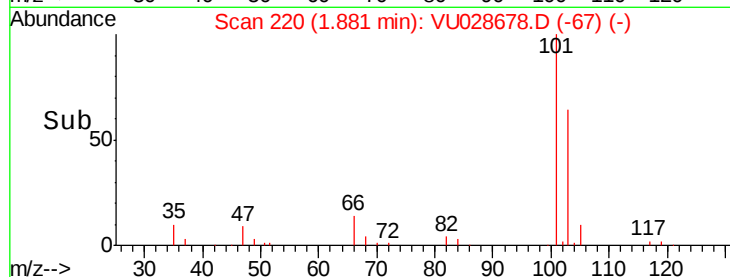
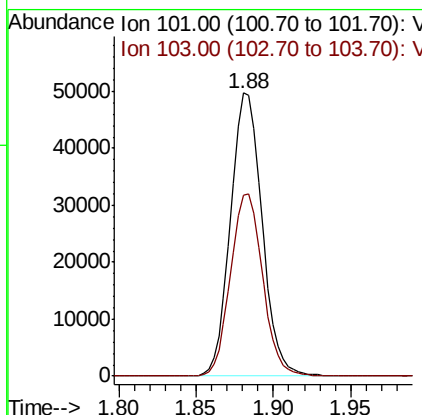
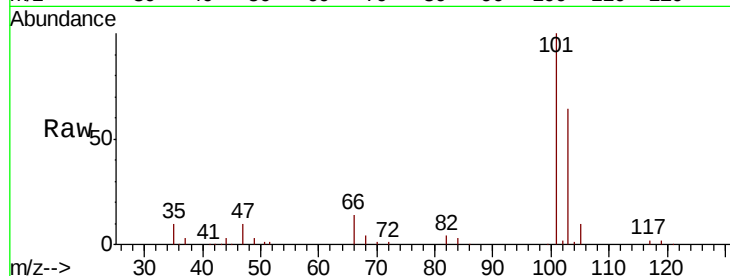
Trichlorofluoromethane
 Concen: 10.763 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.0

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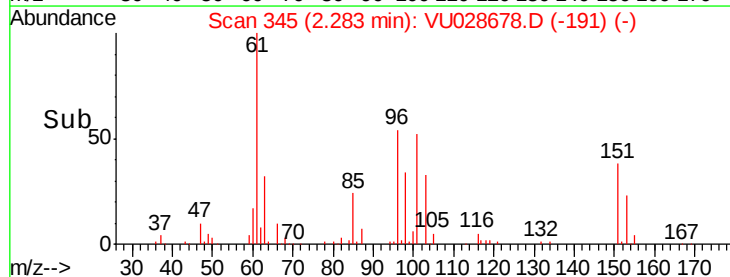
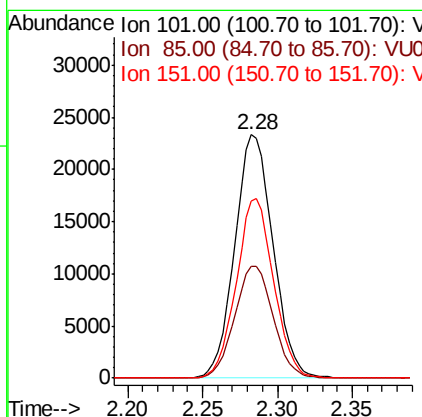
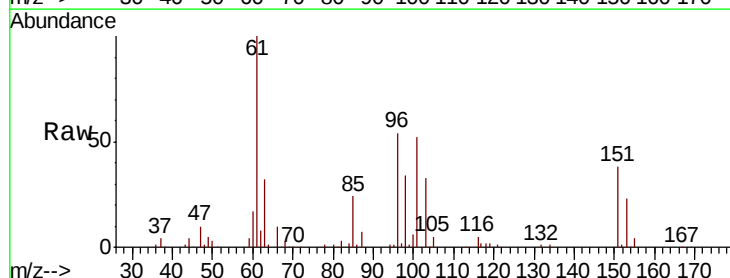
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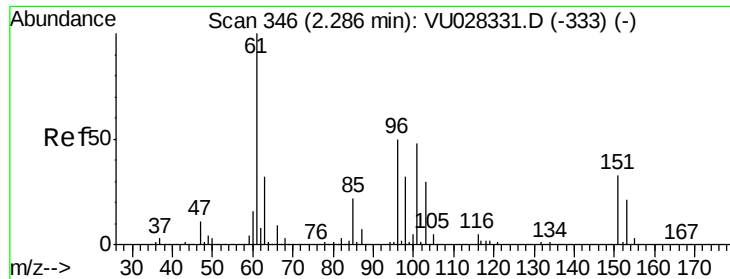


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.038 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.7	55.1
151	71.7	55.8	83.6





#9

1,1-Dichloroethene

Concen: 10.524 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

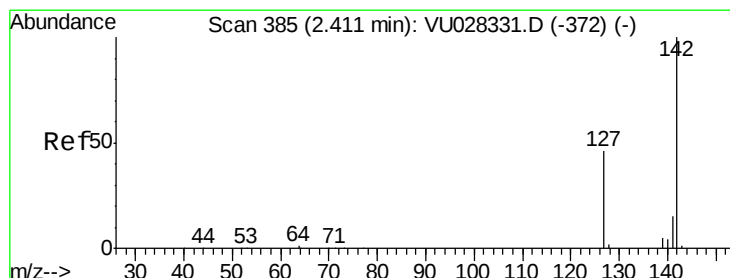
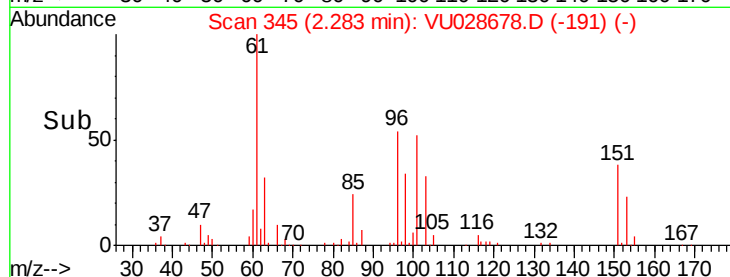
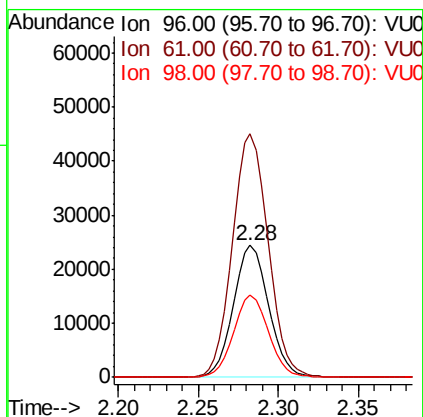
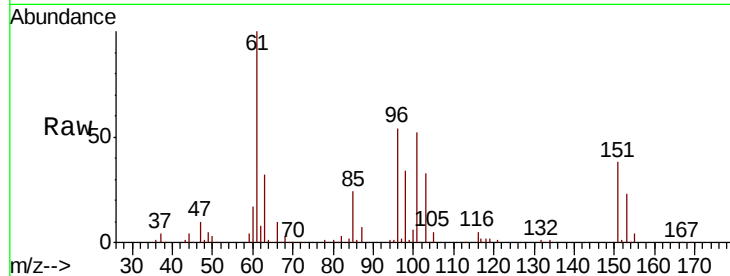
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	36603
Ion Ratio	Lower	Upper	
96	100		
61	184.1	0.0	597.6
98	61.8	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 17.601 ug/l

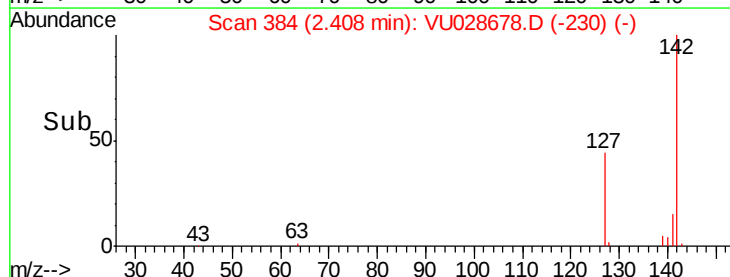
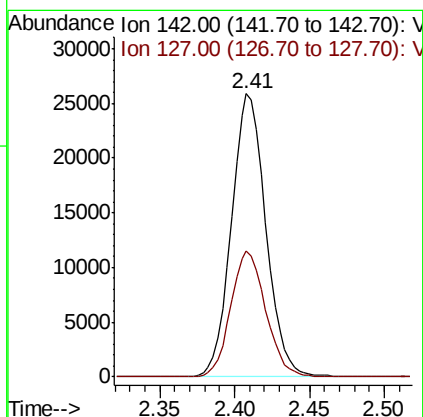
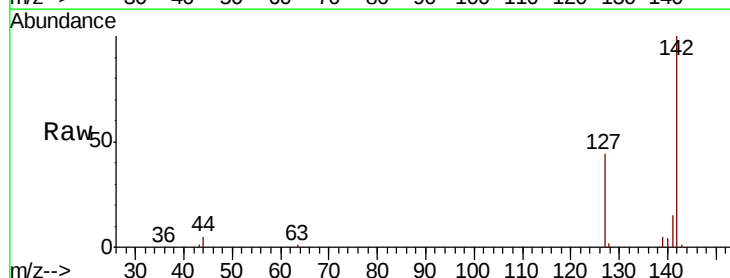
RT: 2.41 min Scan# 384

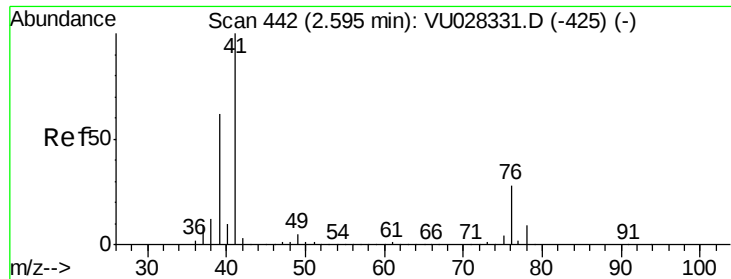
Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	142	Resp:	41404
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.4	54.6





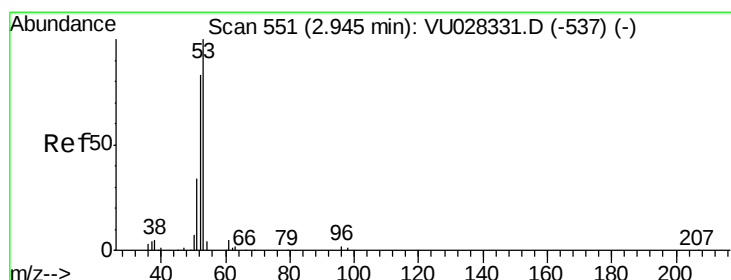
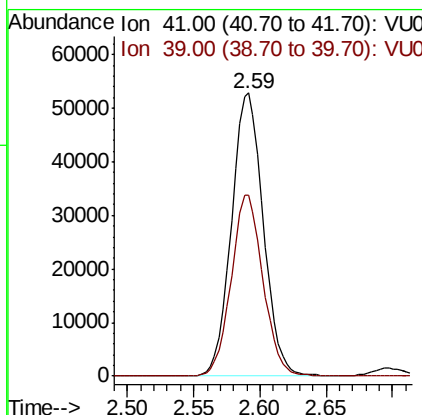
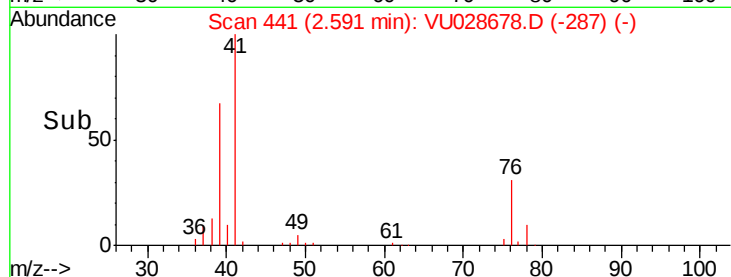
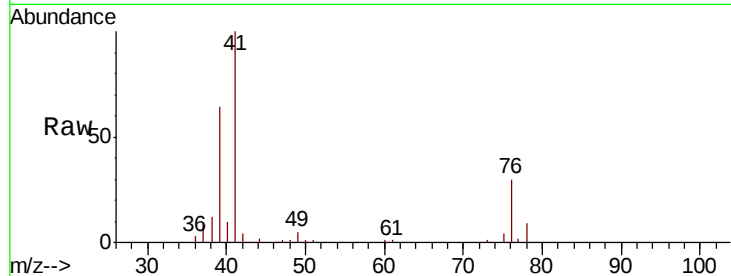
#11
Allvl Chloride
Concen: 10.005 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 87855
Ion Ratio Lower Upper
41 100
39 64.1 50.8 76.2

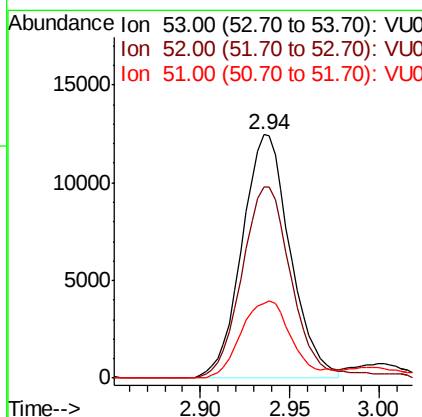
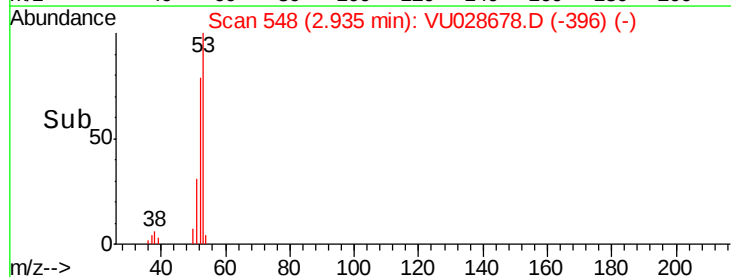
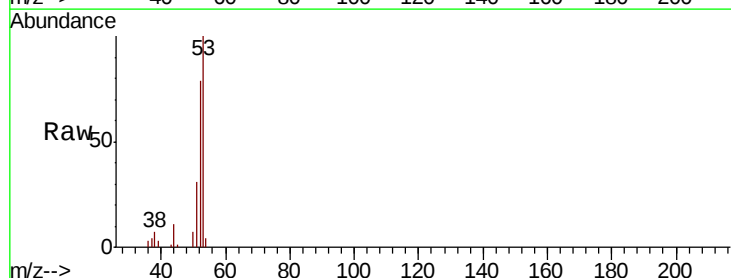
Manual Integrations
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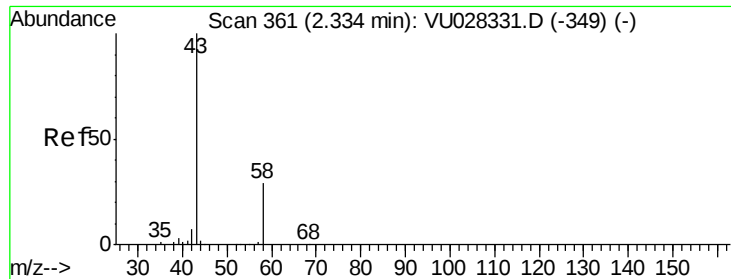
MMDadoda
12/14/2018 9:32:37 AM



#12
Acrylonitrile
Concen: 21.172 ug/l
RT: 2.94 min Scan# 548
Delta R.T. -0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 53 Resp: 23457
Ion Ratio Lower Upper
53 100
52 81.3 69.3 103.9
51 33.6 27.8 41.8





#13

Acetone

Concen: 47.629 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.01 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 48901

Ion Ratio Lower Upper

43 100

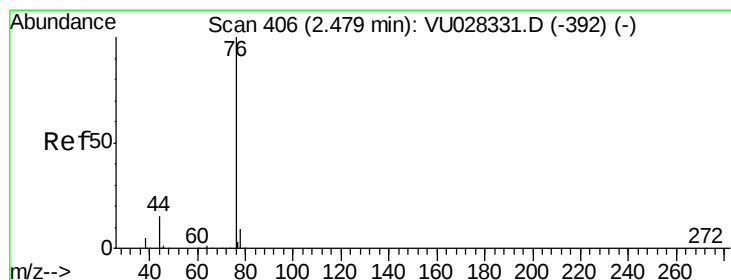
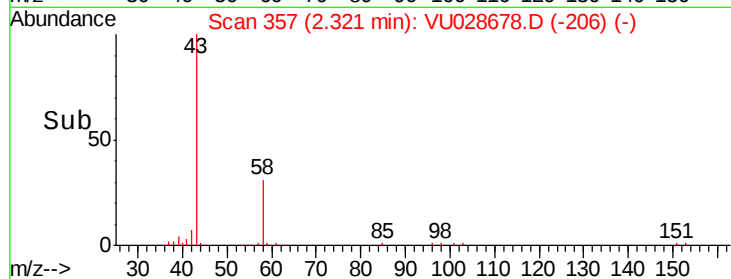
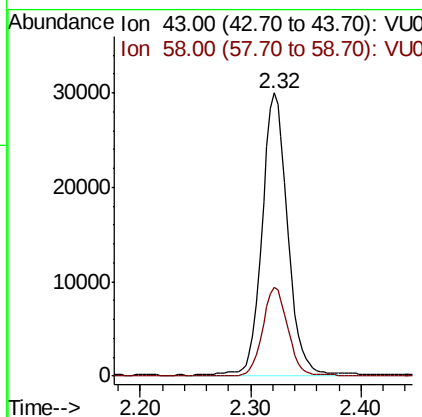
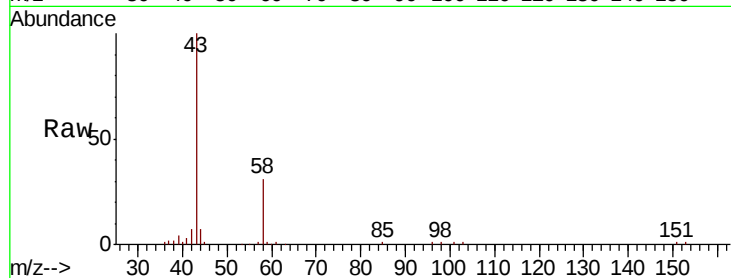
58 31.3 23.1 34.7

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#14

Carbon Disulfide

Concen: 10.052 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028678.D

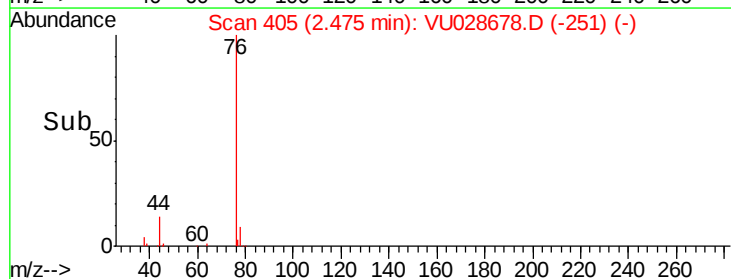
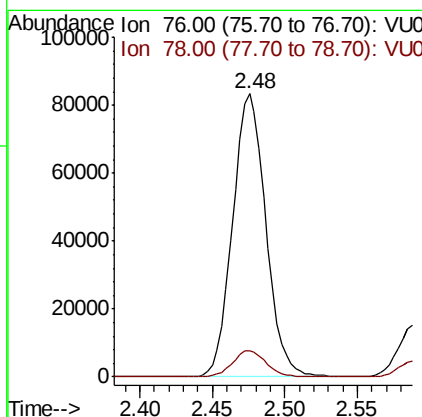
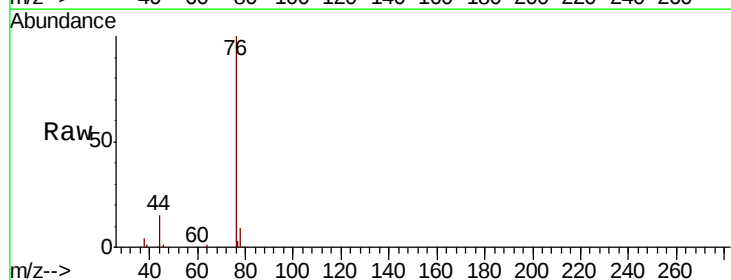
Acq: 13 Dec 2018 15:07

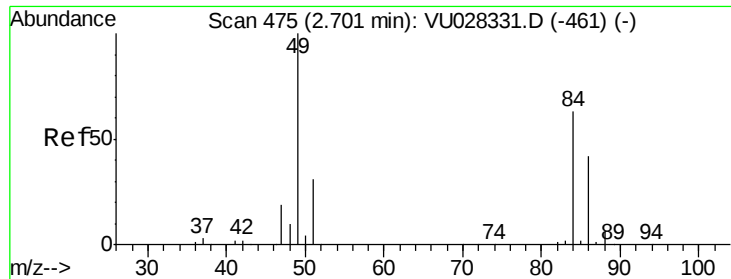
Tgt Ion: 76 Resp: 132804

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methylene Chloride

Concen: 10.393 ug/l

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

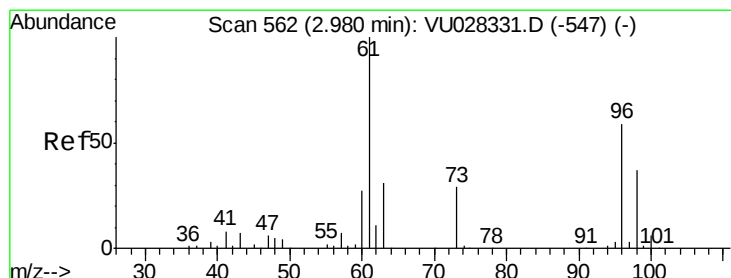
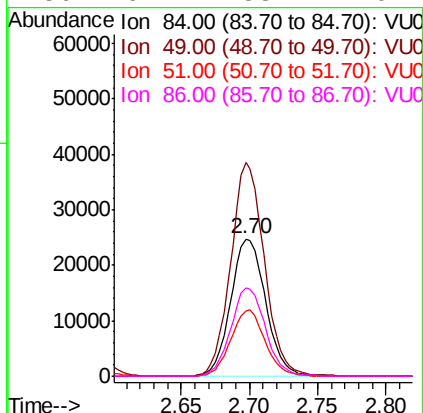
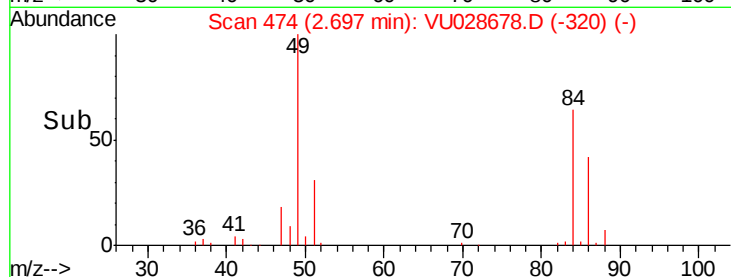
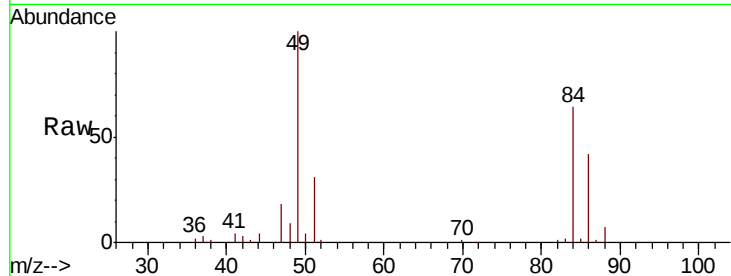
ClientSampleId :

VSTDCCC010EC

Tot Ion:	84	Resp:	44081
Ion	Ratio	Lower	Upper
84	100		
49	155.7	127.7	191.5
51	48.0	0.0	98.2
86	64.7	53.1	79.7

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#16

trans-1,2-Dichloroethene

Concen: 10.364 ug/l

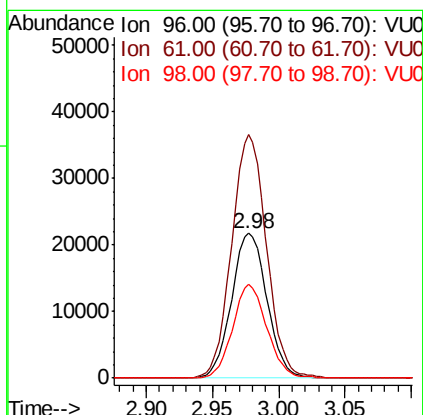
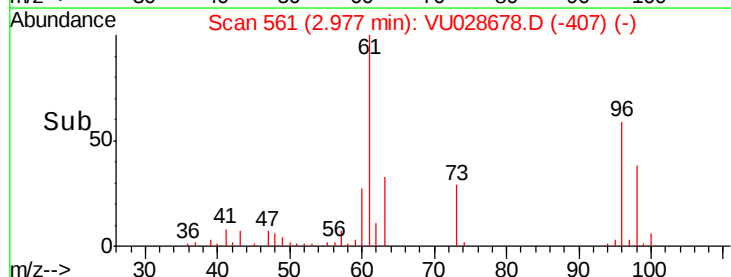
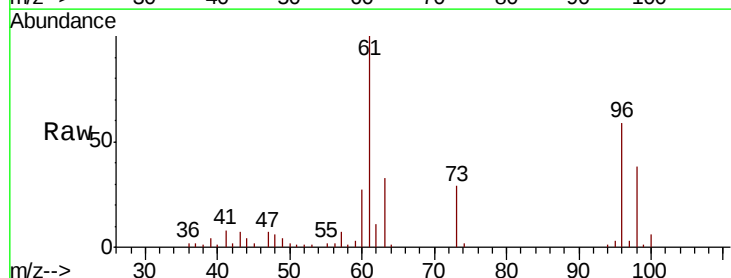
RT: 2.98 min Scan# 561

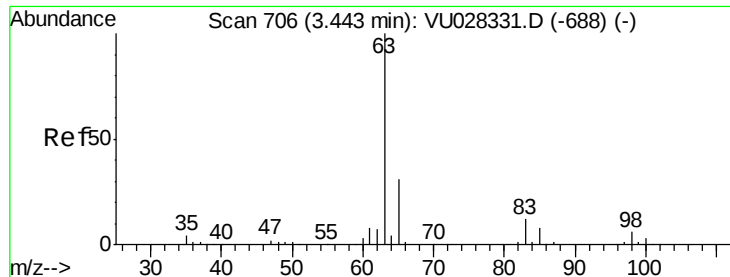
Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	96	Resp:	40344
Ion	Ratio	Lower	Upper
96	100		
61	168.3	136.4	204.6
98	64.7	49.8	74.8





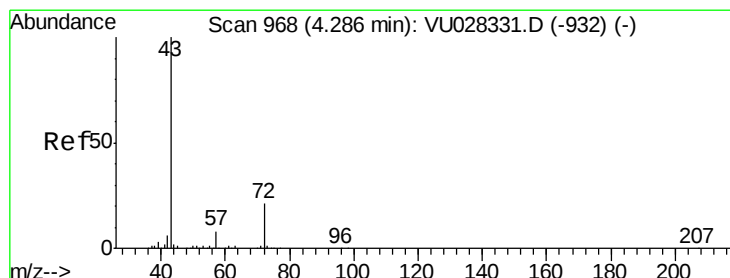
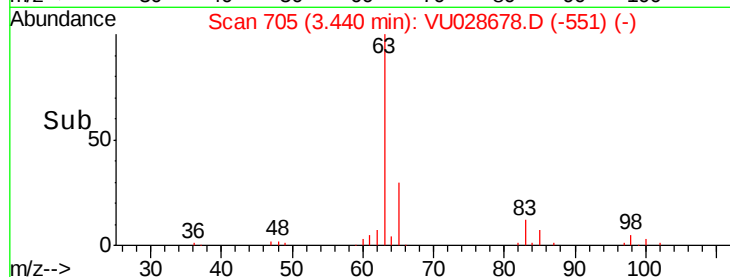
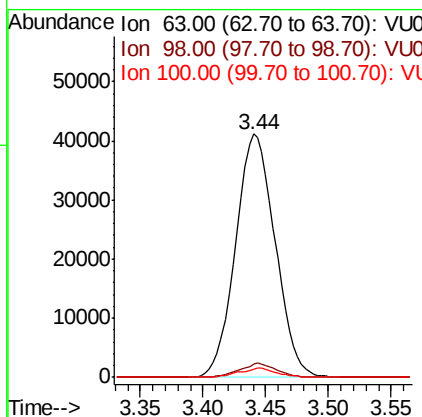
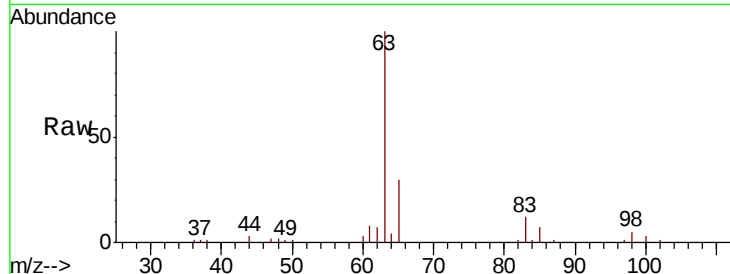
#17
 1,1-Dichloroethane
 Concen: 10.411 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	63	Resp:	90344
Ion Ratio	Lower	Upper	
63	100		
98	5.3	3.0	9.0
100	3.4	1.8	5.3

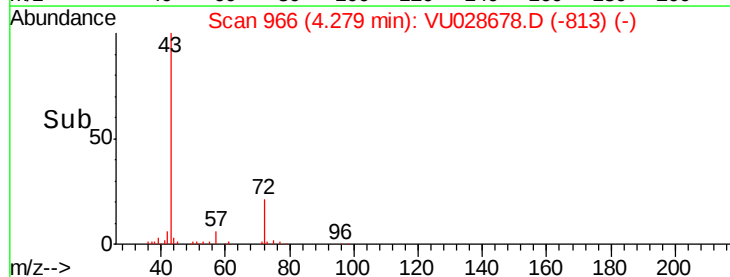
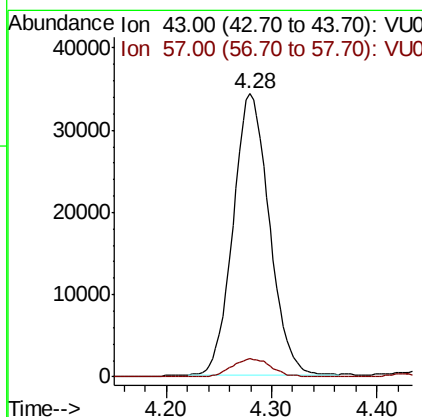
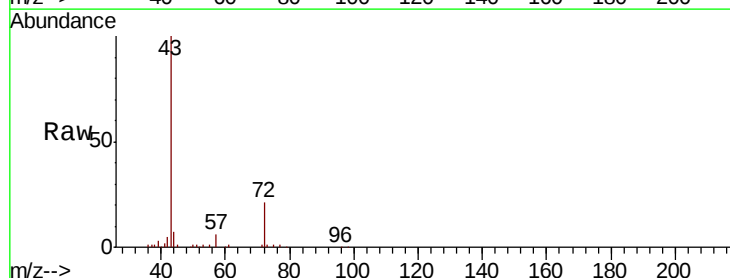
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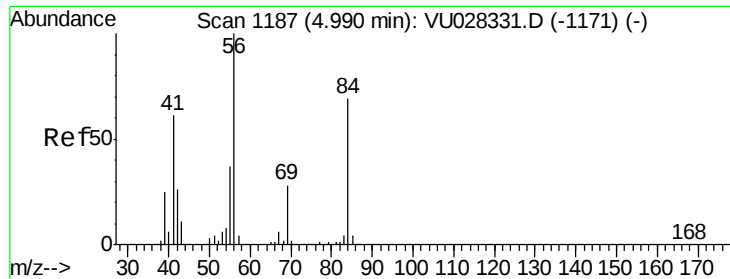
MMDadoda
 12/14/2018 9:32:37 AM



#18
 2-Butanone
 Concen: 52.814 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion:	43	Resp:	81027
Ion Ratio	Lower	Upper	
43	100		
57	6.4	0.0	15.0





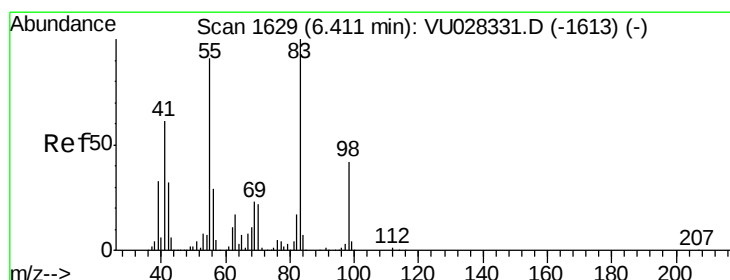
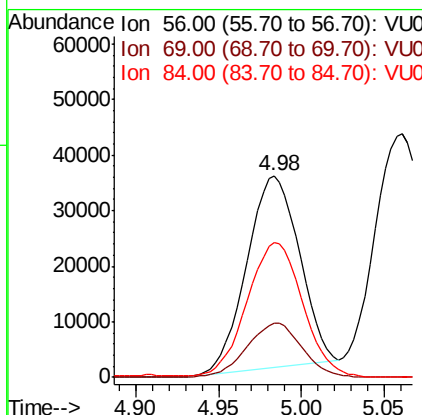
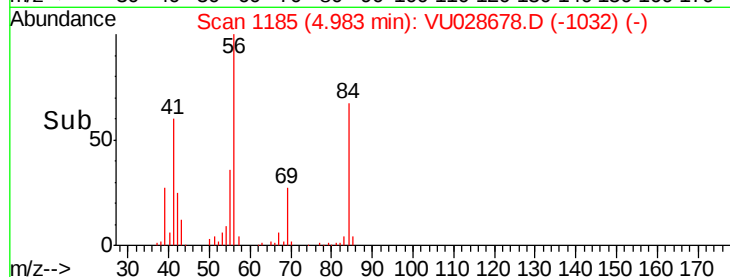
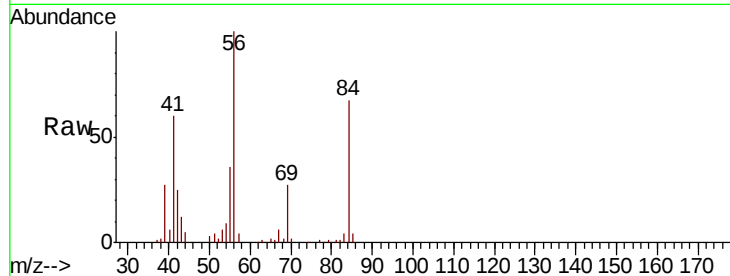
#19
Cyclohexane
Concen: 10.065 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	56	Resp:	75826
Ion Ratio	Lower	Upper	
56	100		
69	29.9	25.0	37.6
84	73.9	62.6	94.0

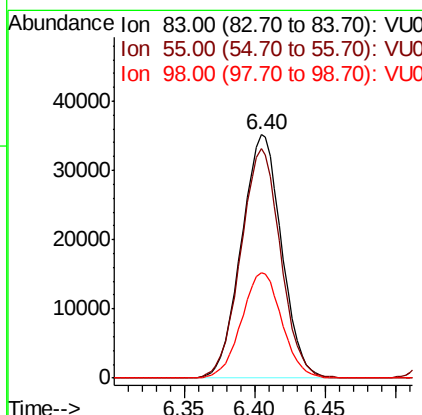
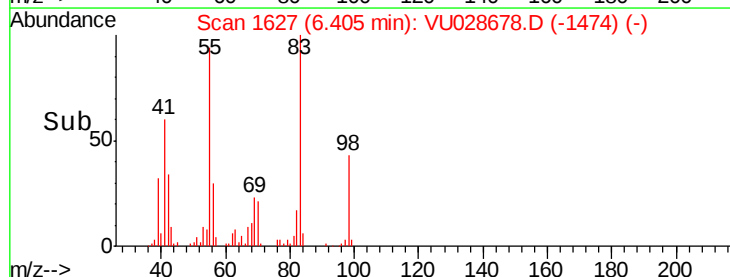
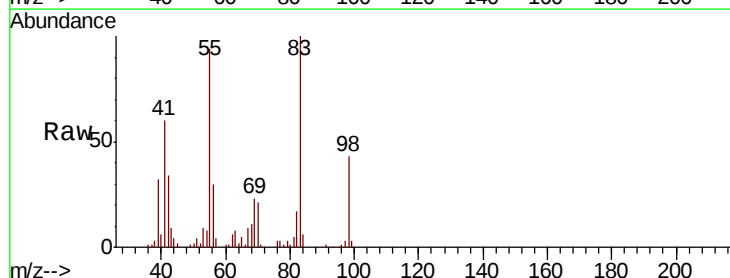
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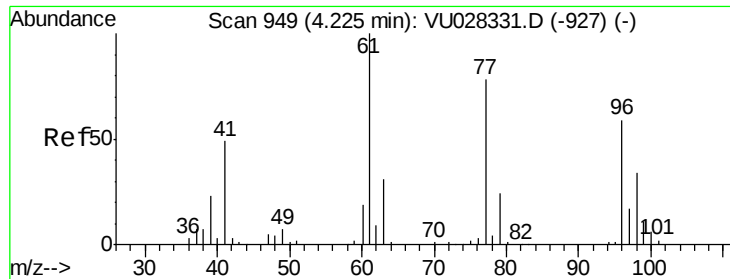
MMDadoda
12/14/2018 9:32:37 AM



#20
Methylcyclohexane
Concen: 9.510 ug/l
RT: 6.40 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion:	83	Resp:	70130
Ion Ratio	Lower	Upper	
83	100		
55	93.6	72.6	108.8
98	43.4	33.8	50.8





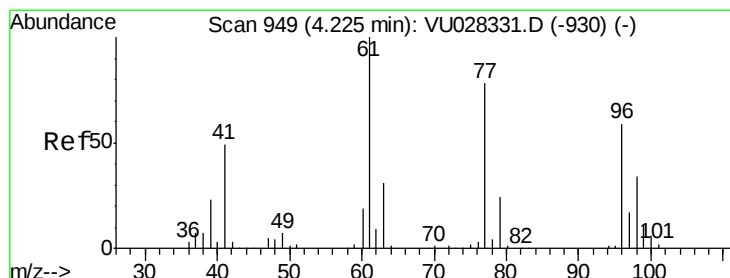
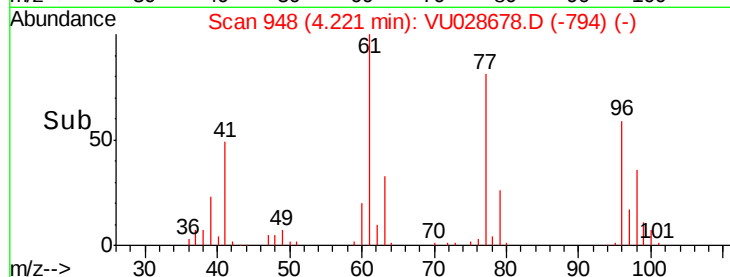
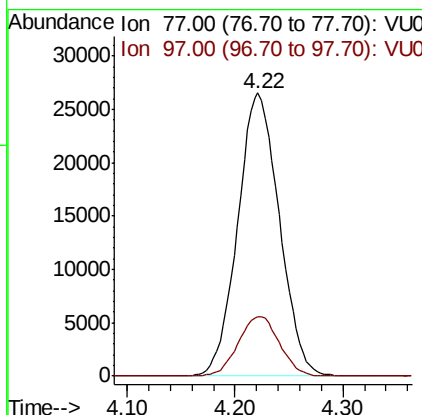
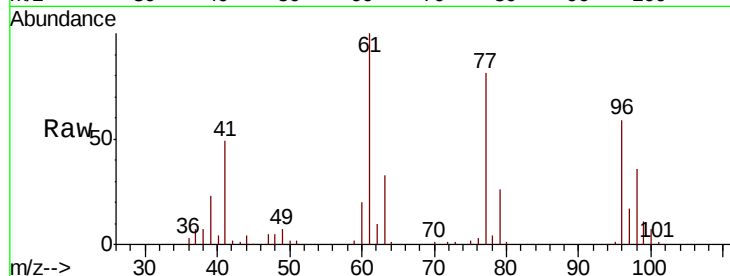
#21
 2,2-Dichloropropane
 Concen: 10.211 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 77 Resp: 71114
 Ion Ratio Lower Upper
 77 100
 97 20.8 17.4 26.2

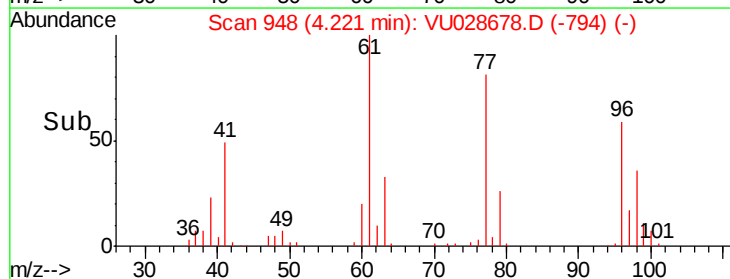
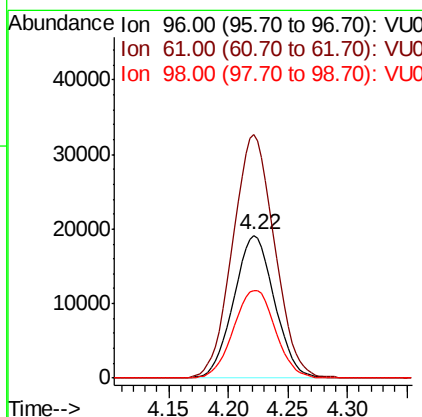
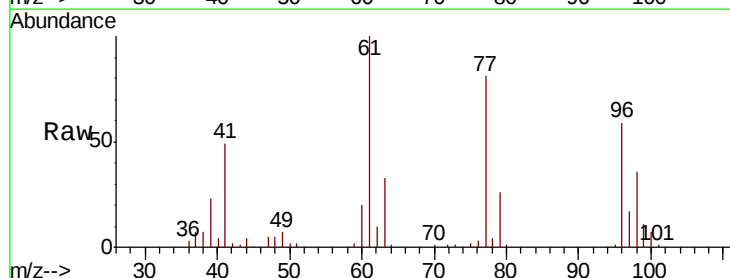
Manual Integrations
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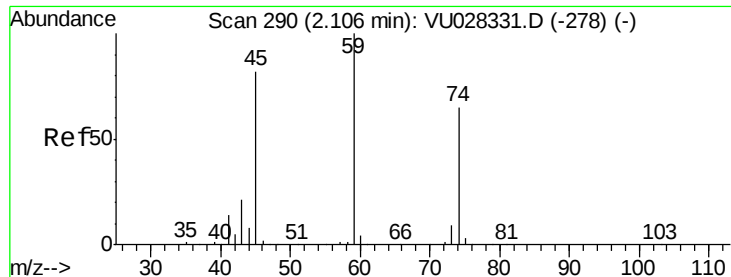
MMDadoda
 12/14/2018 9:32:37 AM



#22
 cis-1,2-Dichloroethene
 Concen: 9.967 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 96 Resp: 45401
 Ion Ratio Lower Upper
 96 100
 61 175.5 0.0 423.0
 98 63.3 30.3 91.0





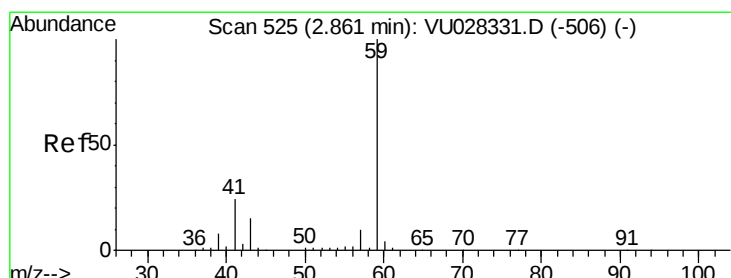
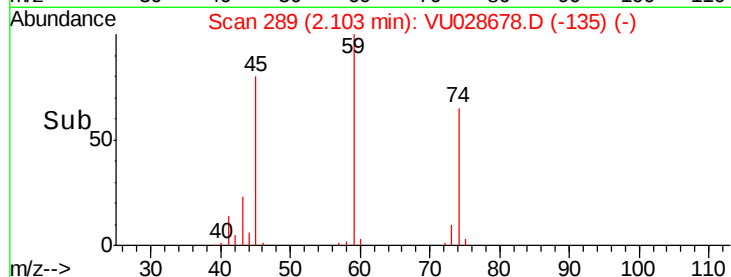
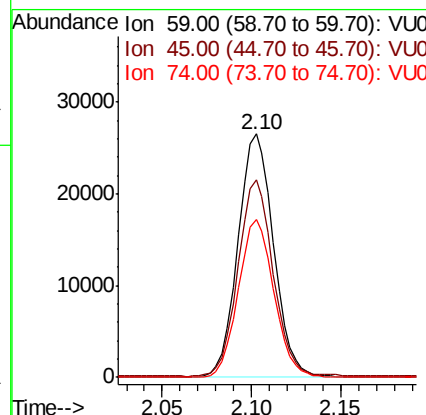
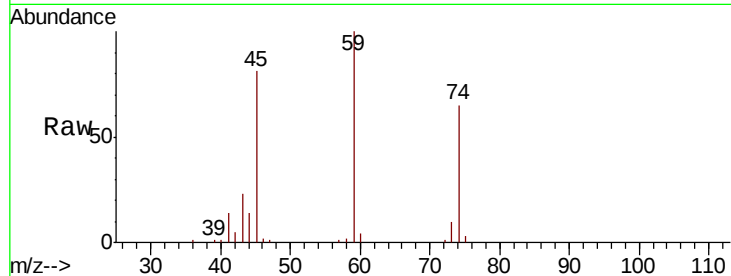
#23
Diethyl Ether
Concen: 10.539 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	59	Resp:	36746
Ion	Ratio	Lower	Upper
59	100		
45	79.9	66.4	99.6
74	64.6	52.2	78.4

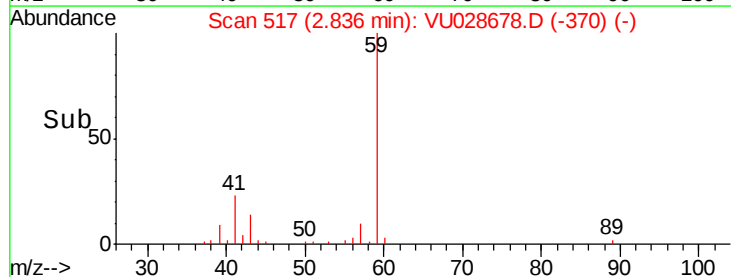
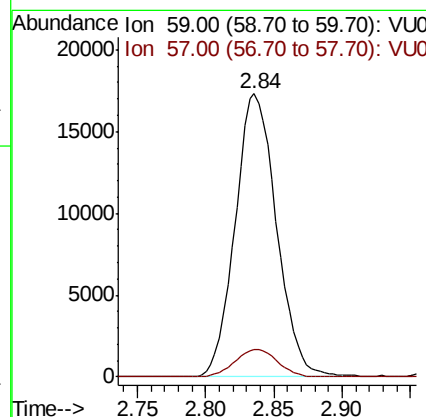
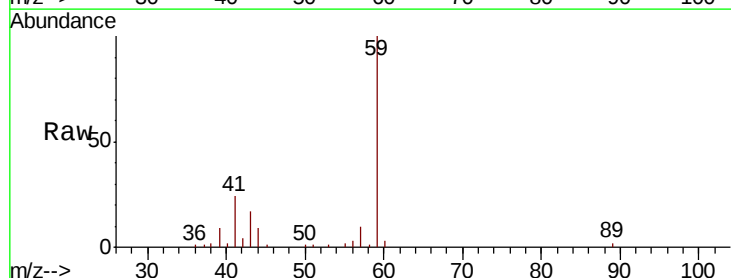
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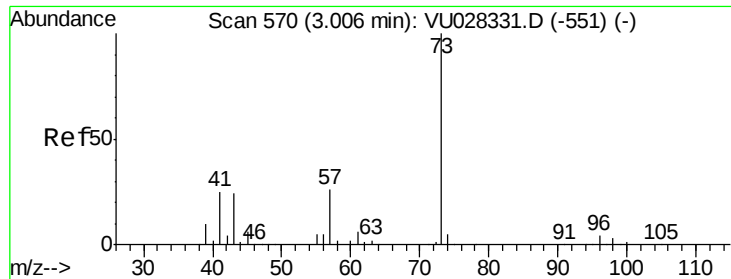
MMDadoda
12/14/2018 9:32:37 AM



#24
tert-Butyl Alcohol
Concen: 104.136 ug/l
RT: 2.84 min Scan# 517
Delta R.T. -0.03 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion:	59	Resp:	36445
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4





#25

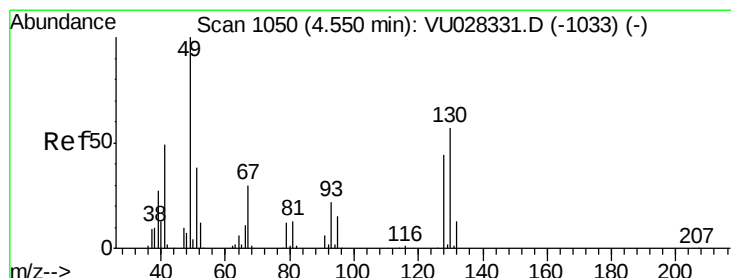
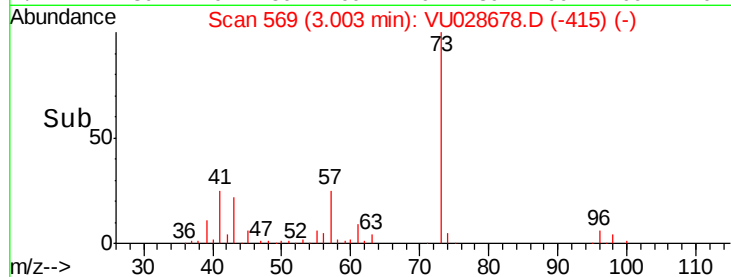
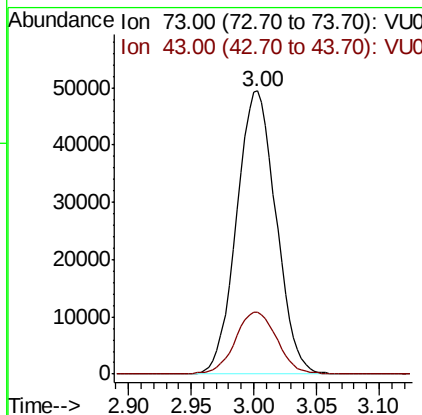
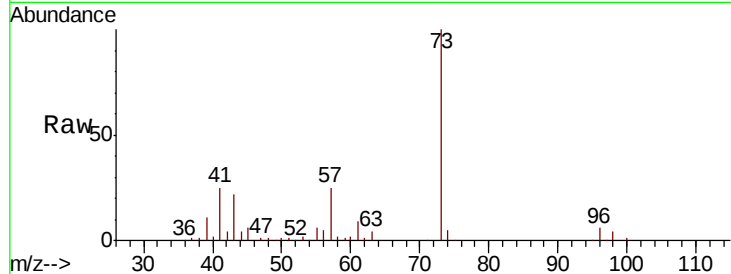
Methyl tert-Butyl Ether
 Concen: 10.468 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	73	Resp	108148
Ion Ratio	Lower	Upper	
73	100		
43	22.6	18.5	27.7

Manual Integrations
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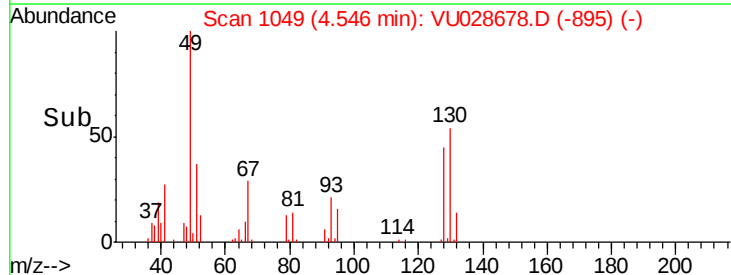
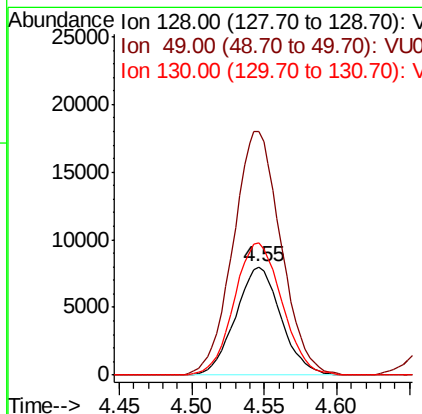
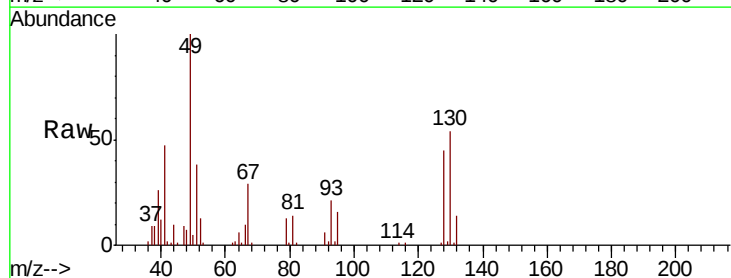
MMDadoda
 12/14/2018 9:32:37 AM

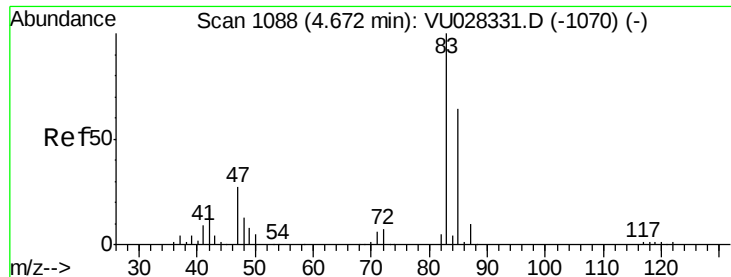


#26

Bromochloromethane
 Concen: 10.056 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	128	Resp	17462
Ion Ratio	Lower	Upper	
128	100		
49	235.7	0.0	457.6
130	128.1	101.4	152.2





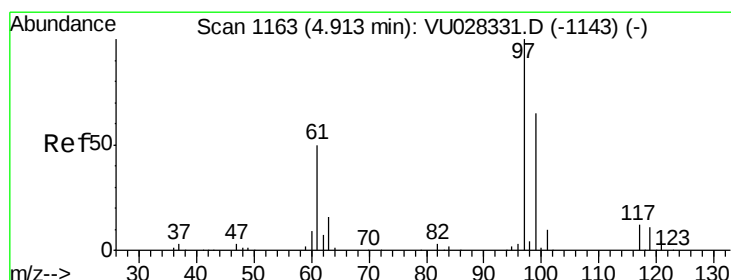
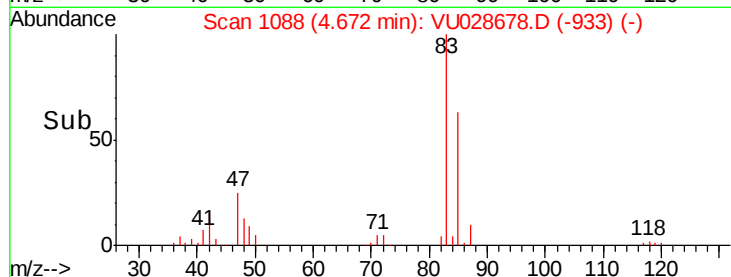
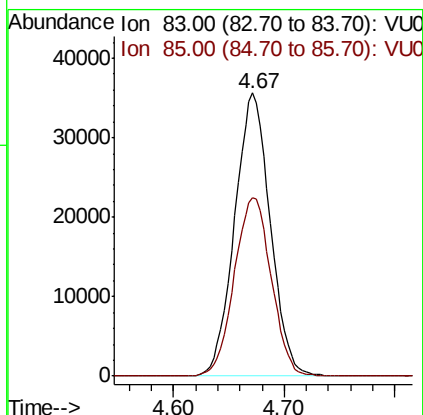
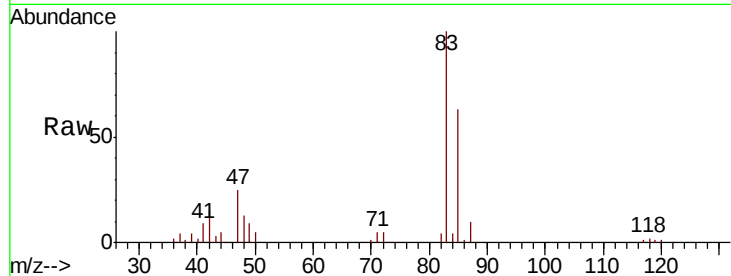
#27
Chloroform
Concen: 9.511 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	79590
Ion Ratio	100	Lower	Upper
85	63.2	0.0	128.0

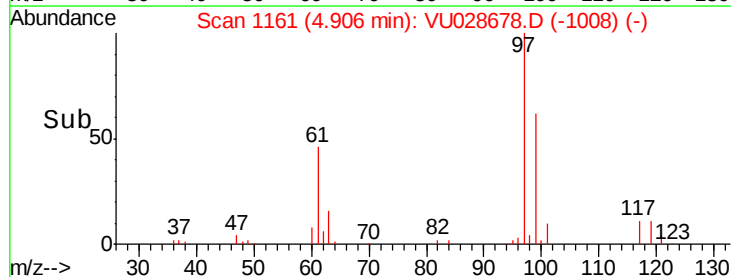
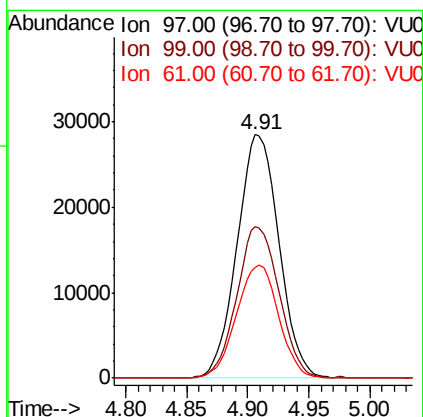
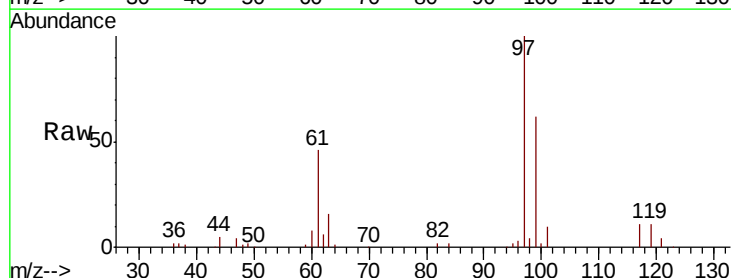
Manual Integrations
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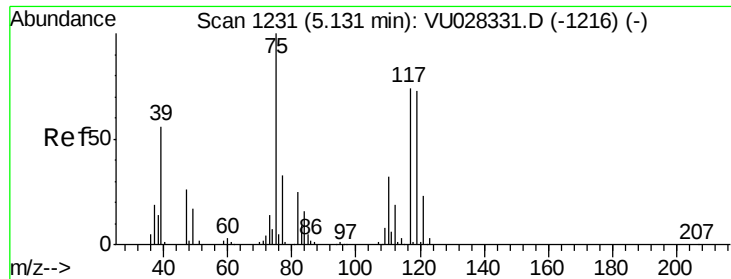
MMDadoda
12/14/2018 9:32:37 AM



#28
1,1,1-Trichloroethane
Concen: 10.363 ug/l
RT: 4.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion	97	Resp	67726
Ion Ratio	100	Lower	Upper
99	62.6	32.2	96.6
61	46.5	24.9	74.7





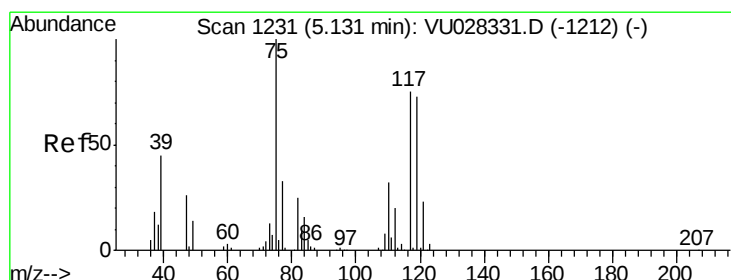
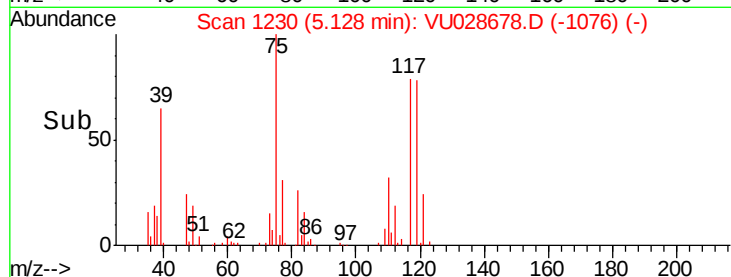
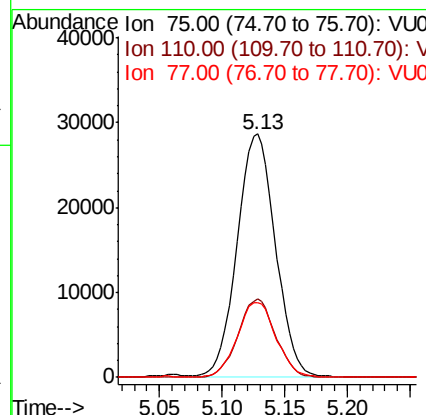
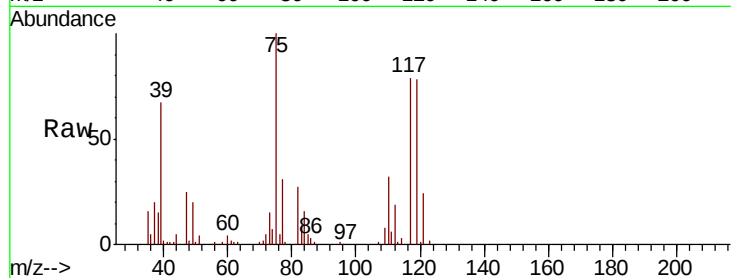
#29
 1,1-Dichloropropene
 Concen: 9.741 ug/l
 RT: 5.13 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.2	15.8	47.3
77	31.0	25.4	38.0

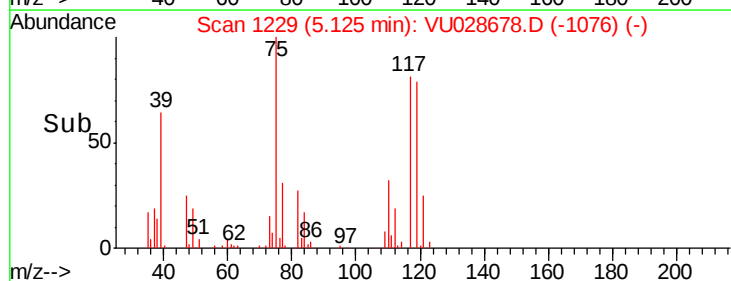
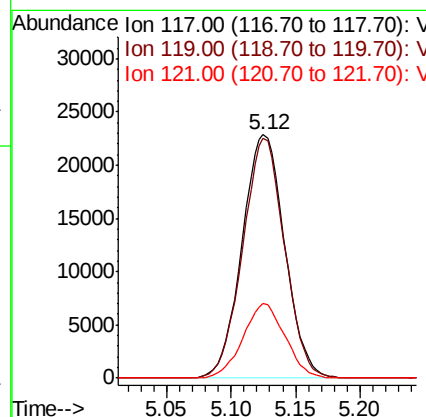
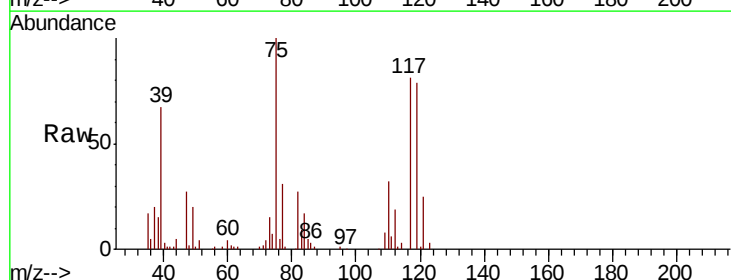
Manual Integrations
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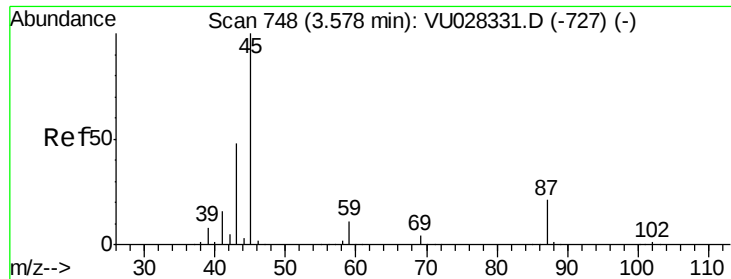
MMDadoda
 12/14/2018 9:32:37 AM



#30
 Carbon Tetrachloride
 Concen: 9.970 ug/l
 RT: 5.12 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	78.2	117.4
121	30.5	24.7	37.1





#31

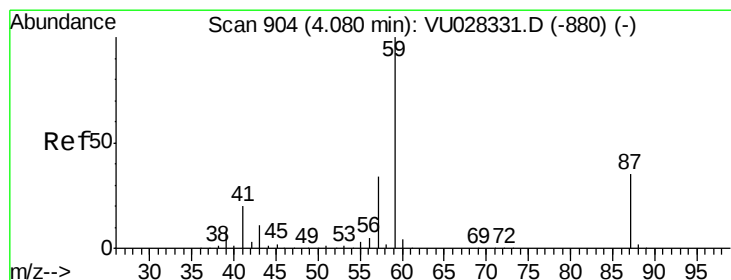
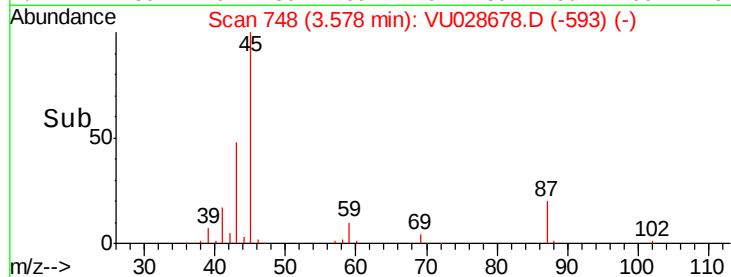
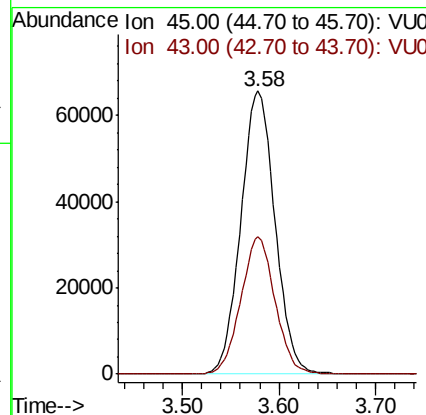
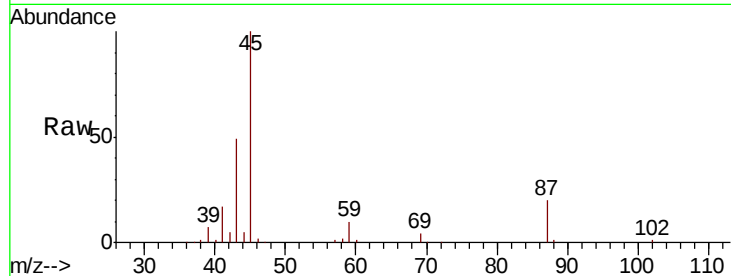
Isopropyl Ether
Concen: 10.373 ug/l
RT: 3.58 min Scan# 748
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	43	Ratio	100	48.7	Resp	161191	Lower	24.2	Upper	72.6
Ion	45	43	Ratio	100	48.7	Resp	161191	Lower	24.2	Upper	72.6

Manual Integrations
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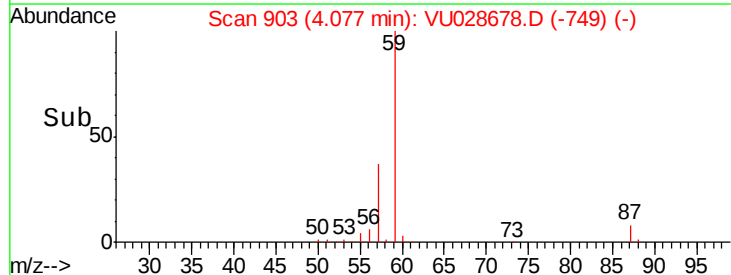
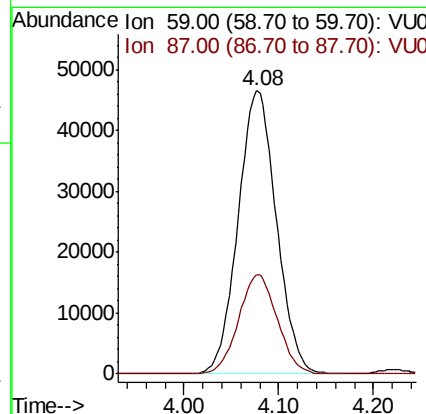
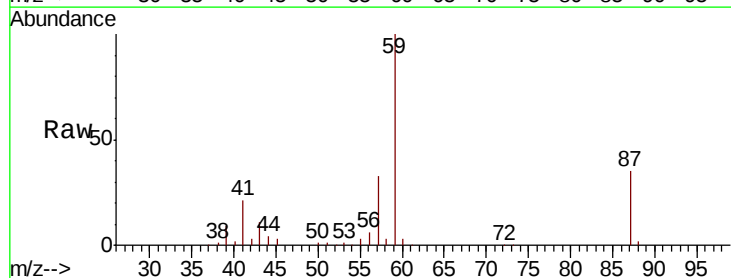
MMDadoda
12/14/2018 9:32:37 AM

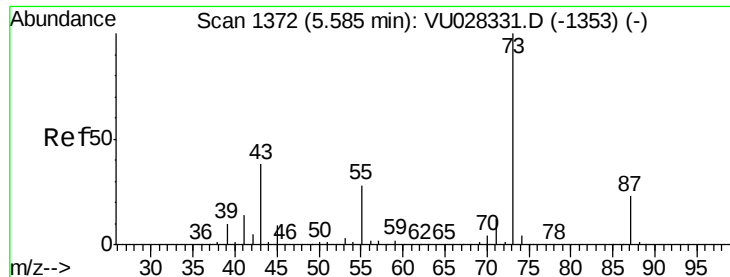


#32

Ethyl-t-butyl ether
Concen: 10.208 ug/l
RT: 4.08 min Scan# 903
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion	59	87	Ratio	100	35.3	Resp	130650	Lower	28.2	Upper	42.4
Ion	59 <td>87 <td>Ratio</td> <td>100 <td>35.3 <td>Resp</td> <td>130650 <td>Lower</td> <td>28.2 <td>Upper</td> <td>42.4 </td></td></td></td></td></td>	87 <td>Ratio</td> <td>100 <td>35.3 <td>Resp</td> <td>130650 <td>Lower</td> <td>28.2 <td>Upper</td> <td>42.4 </td></td></td></td></td>	Ratio	100 <td>35.3 <td>Resp</td> <td>130650 <td>Lower</td> <td>28.2 <td>Upper</td> <td>42.4 </td></td></td></td>	35.3 <td>Resp</td> <td>130650 <td>Lower</td> <td>28.2 <td>Upper</td> <td>42.4 </td></td></td>	Resp	130650 <td>Lower</td> <td>28.2 <td>Upper</td> <td>42.4 </td></td>	Lower	28.2 <td>Upper</td> <td>42.4 </td>	Upper	42.4





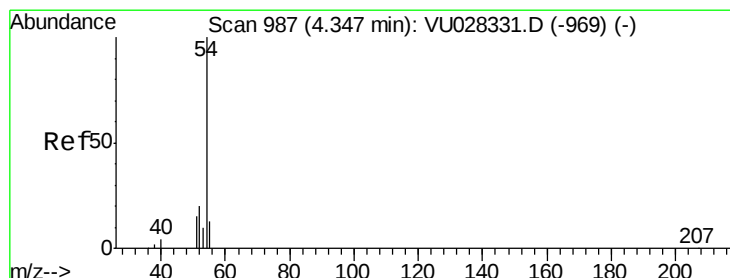
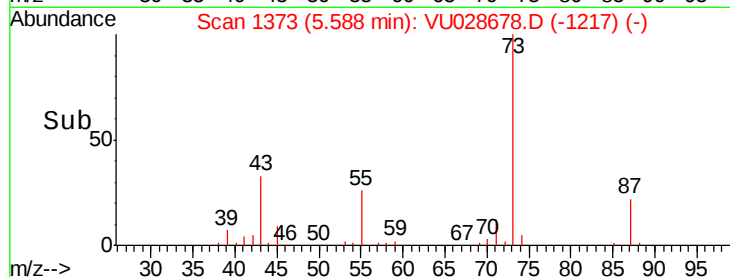
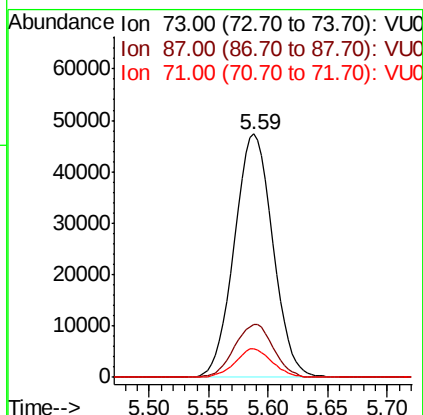
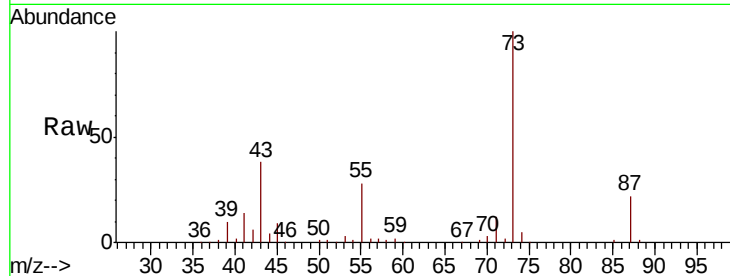
#33
Tert-Butyl methyl ether
Concen: 10.009 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.0	17.6	26.4
71	11.3	9.2	13.8

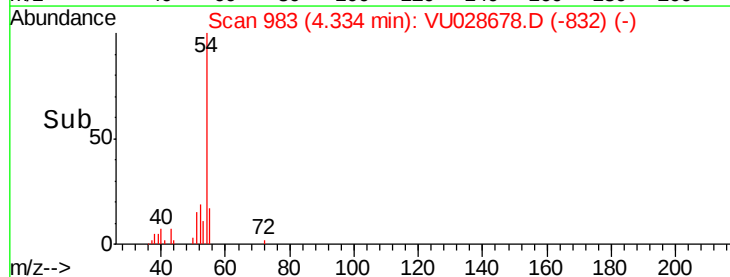
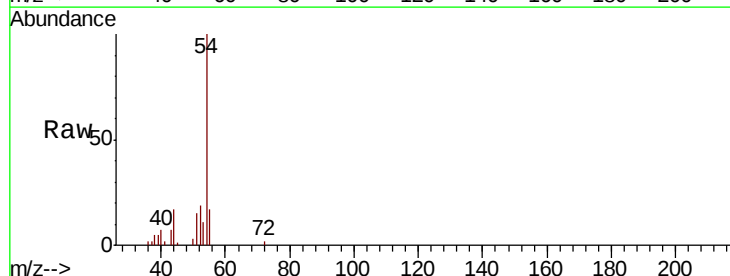
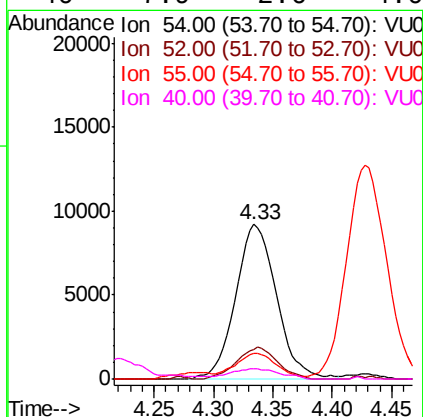
Manual Integrations
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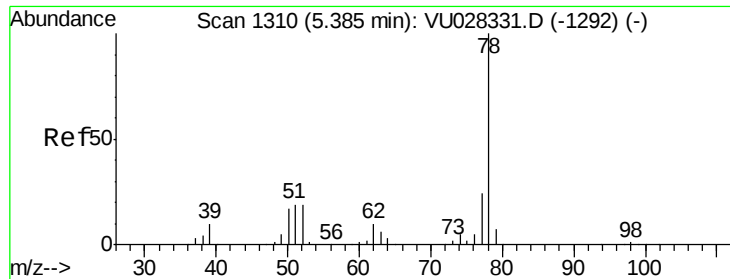
MMDadoda
12/14/2018 9:32:37 AM



#34
Propionitrile
Concen: 56.826 ug/l
RT: 4.33 min Scan# 983
Delta R.T. -0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.4	16.6	25.0
55	15.8	12.9	19.3
40	7.9	2.6	4.0





#35

Benzene

Concen: 9.623 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 177598

Ion Ratio Lower Upper

78 100

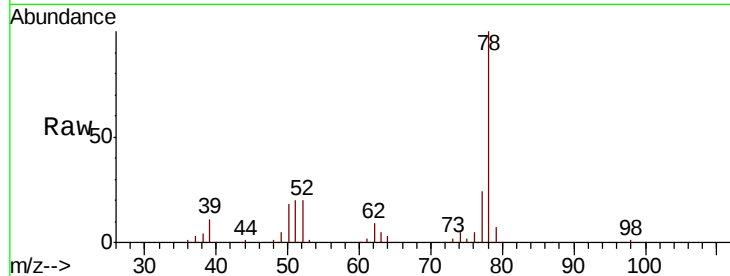
77 24.2 19.5 29.3

Manual Integrations

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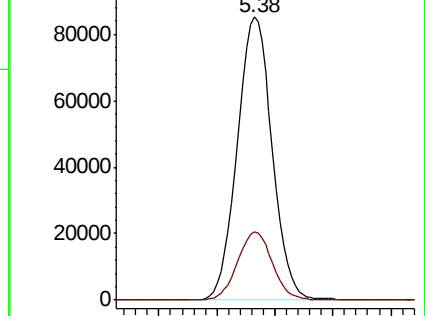
MMDadoda

12/14/2018 9:32:37 AM

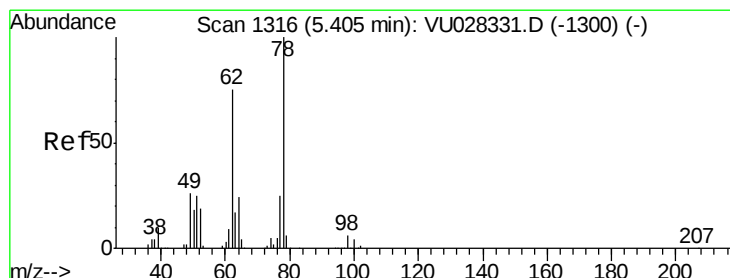
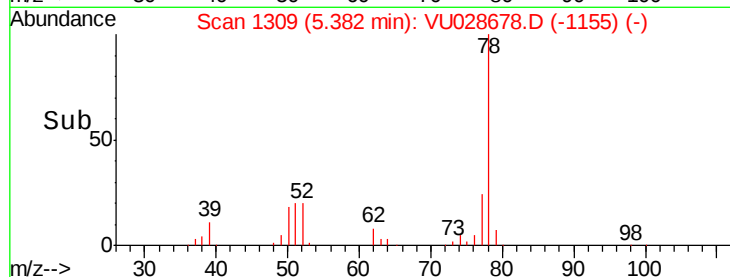


Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#36

1,2-Dichloroethane

Concen: 10.062 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028678.D

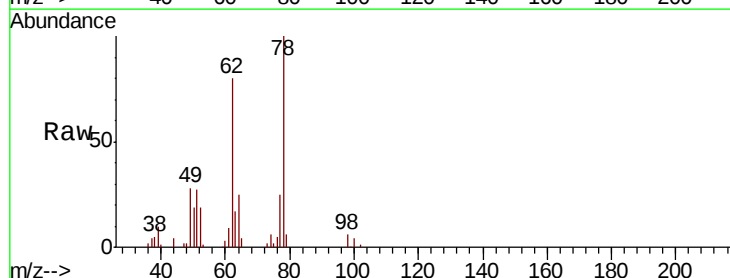
Acq: 13 Dec 2018 15:07

Tgt Ion: 62 Resp: 55541

Ion Ratio Lower Upper

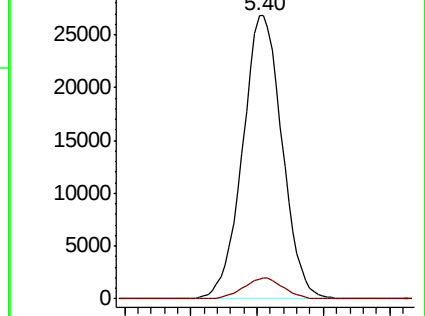
62 100

98 7.2 6.0 9.0

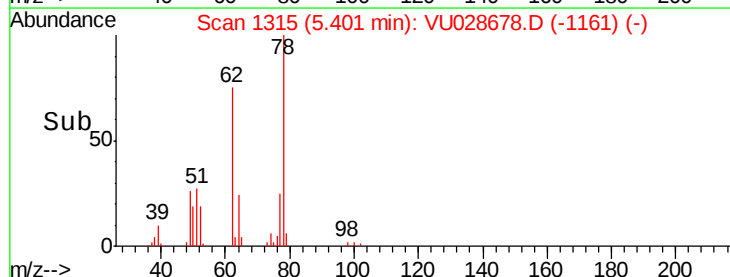


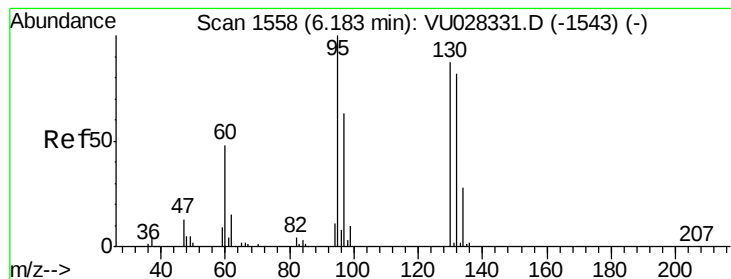
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->





#37

Trichloroethene

Concen: 9.779 ug/l

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:130 Resp: 39313

Ion Ratio Lower Upper

130 100

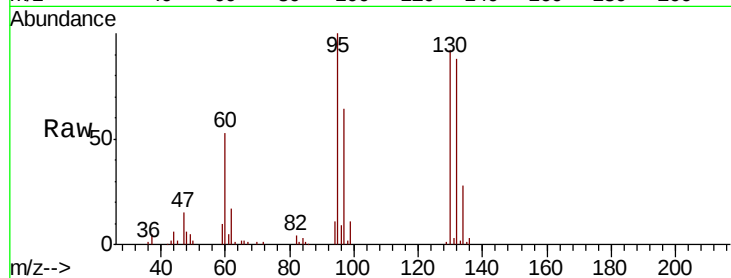
95 108.7 91.5 137.3

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Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)

Ion 94.90 (94.60 to 95.60): VU028331.D (-1543) (-)

25000

20000

15000

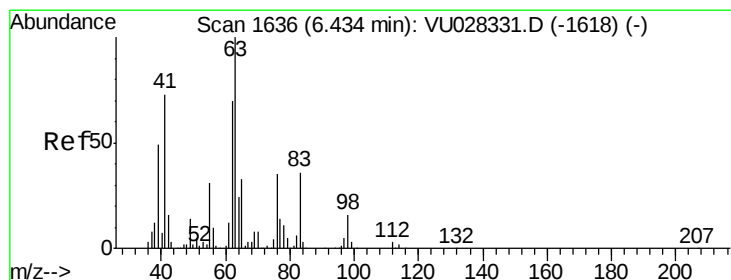
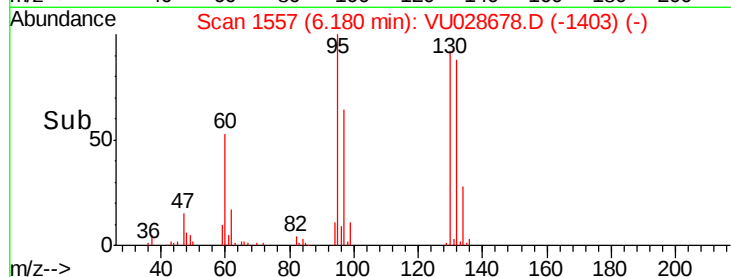
10000

5000

0

6.10 6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 9.860 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028678.D

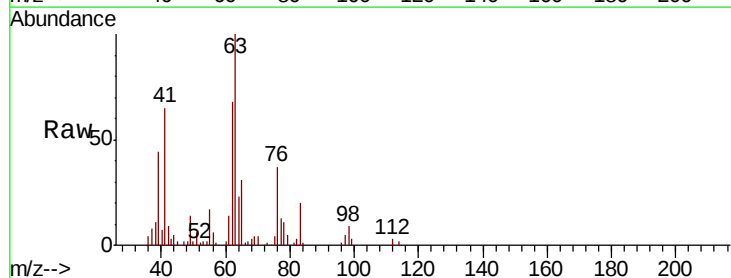
Acq: 13 Dec 2018 15:07

Tgt Ion: 63 Resp: 51900

Ion Ratio Lower Upper

63 100

65 31.2 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)

Ion 65.00 (64.70 to 65.70): VU028331.D (-1618) (-)

30000

25000

20000

15000

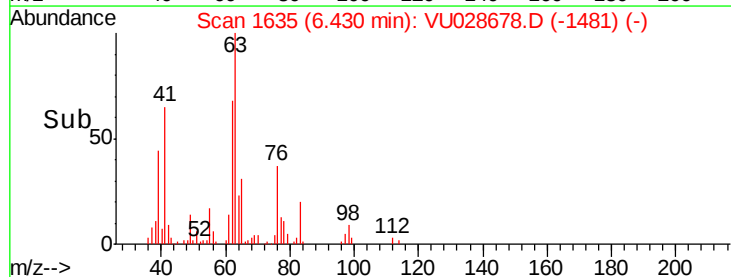
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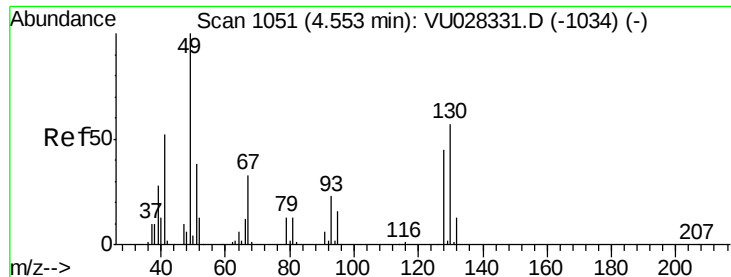
5000

0

6.35 6.40 6.45 6.50

Time-->





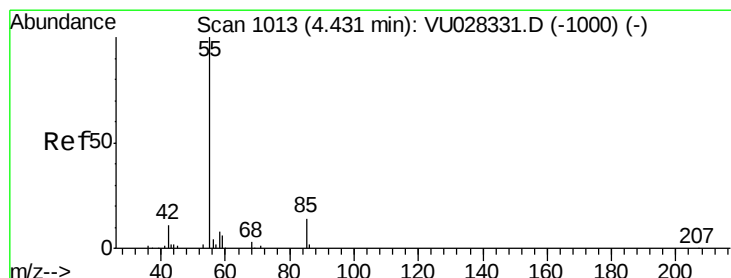
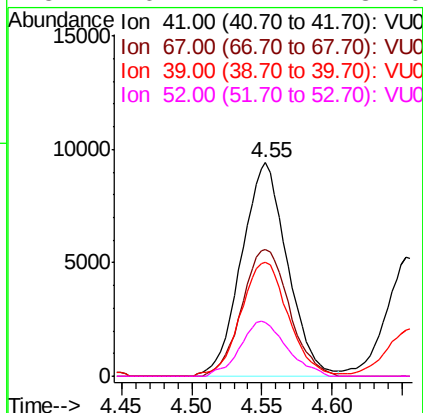
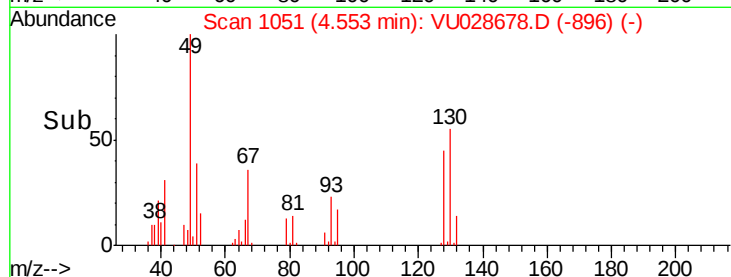
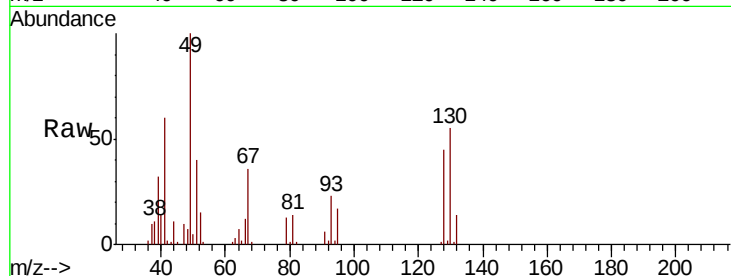
#39
Methacrylonitrile
Concen: 10.378 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
67	61.2	48.2	72.4
39	55.1	42.9	64.3
52	26.1	21.4	32.0

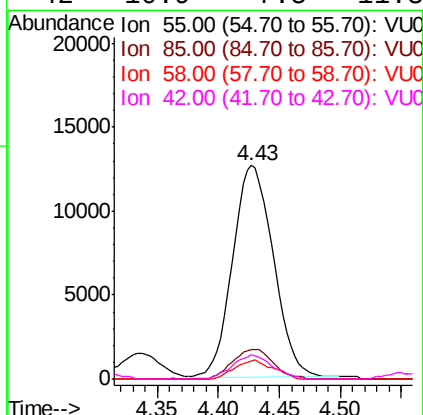
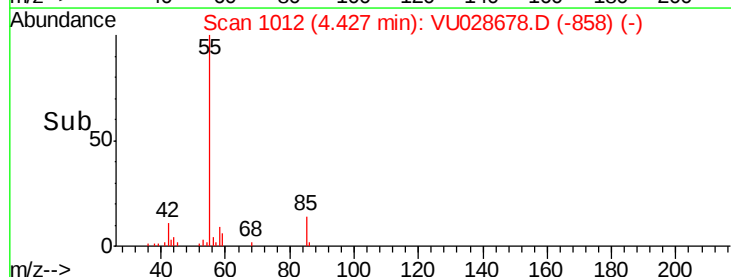
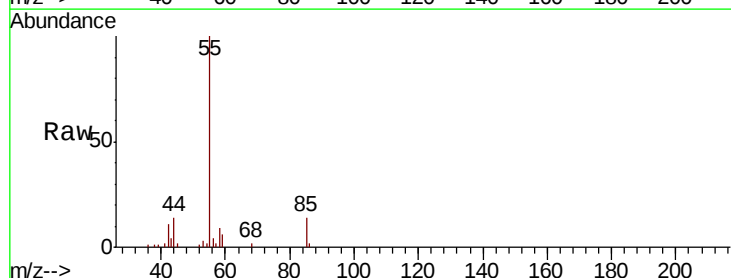
Manual Integrations
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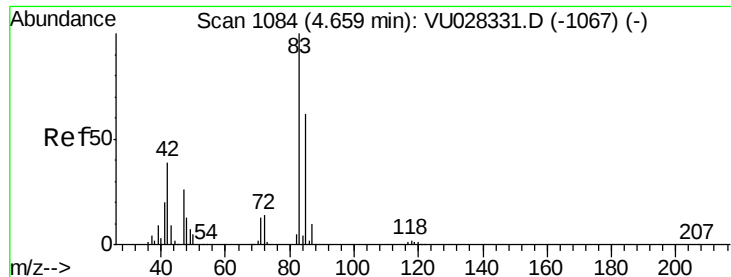
MMDadoda
12/14/2018 9:32:37 AM



#40
Methyl acrylate
Concen: 10.294 ug/l
RT: 4.43 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
55	100		
85	13.8	10.9	16.3
58	8.3	6.4	9.6
42	10.9	7.5	11.3





#41

Tetrahydrofuran

Concen: 20.885 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

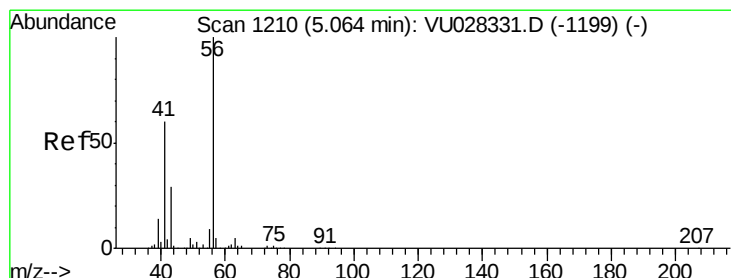
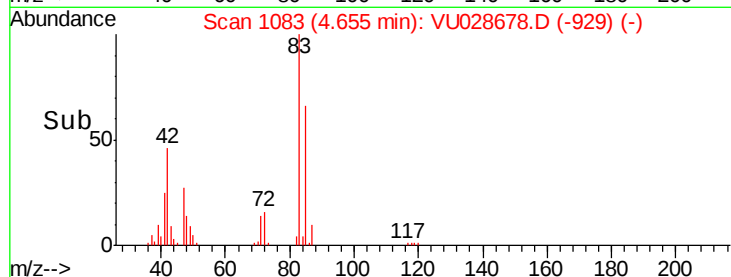
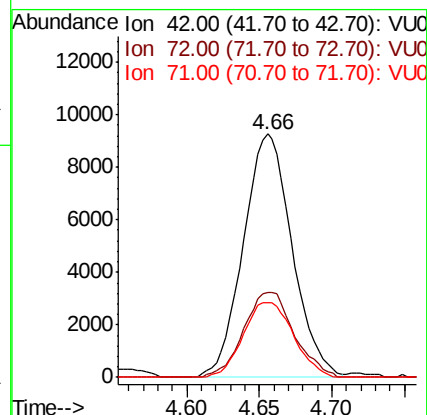
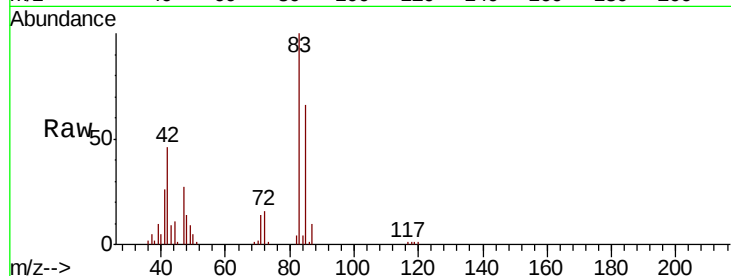
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	21672
Ion	Ratio	Lower	Upper
42	100		
72	36.1	29.8	44.6
71	31.8	25.9	38.9

Manual Integrations
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MMDadoda
12/14/2018 9:32:37 AM



#42

1-Chlorobutane

Concen: 9.663 ug/l

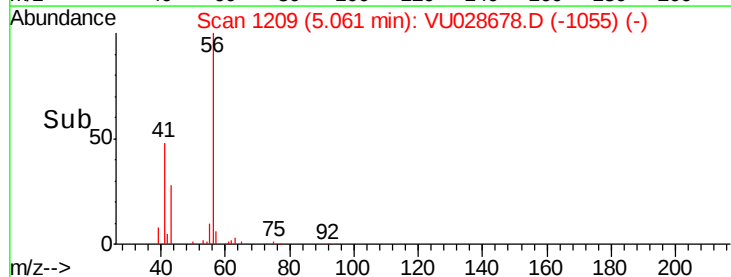
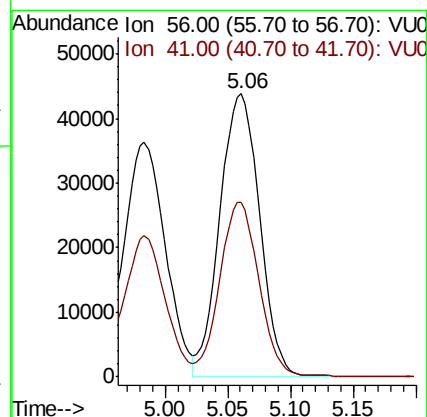
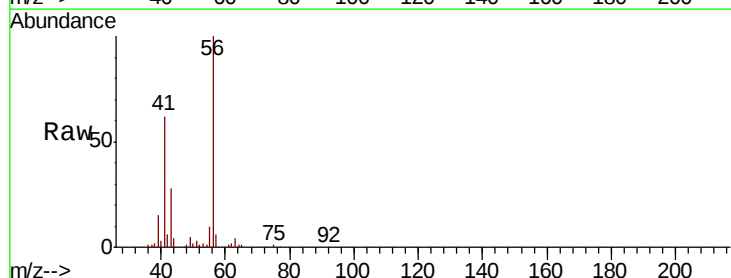
RT: 5.06 min Scan# 1209

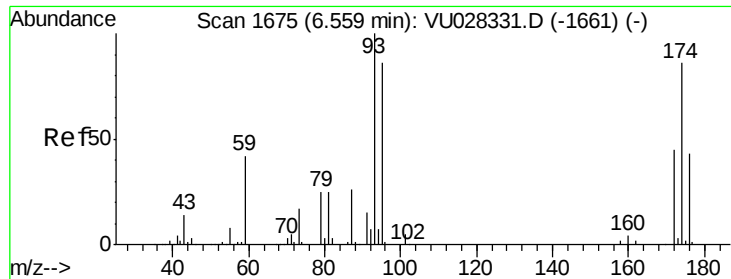
Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	56	Resp:	96298
Ion	Ratio	Lower	Upper
56	100		
41	60.4	29.8	89.3





#43

Dibromomethane

Concen: 9.906 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

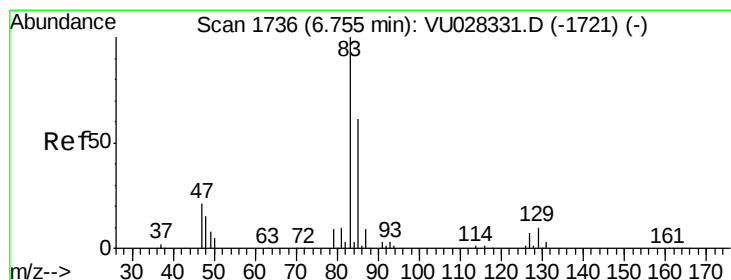
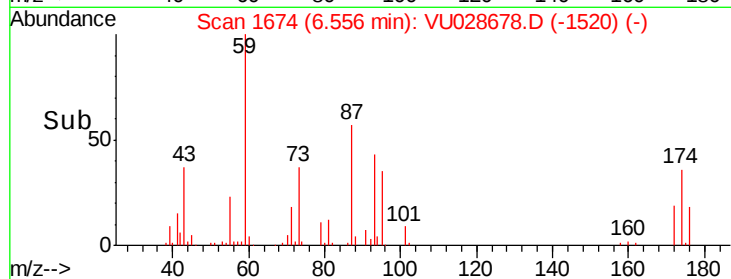
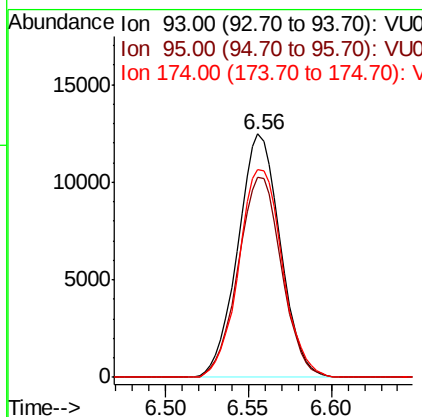
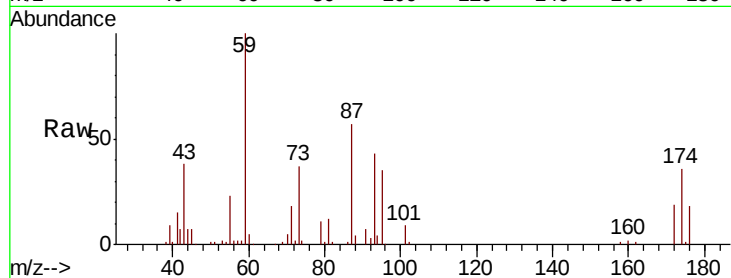
ClientSampleId :

VSTDCCC010EC

Tot Ion:	93	Resp:	22195
Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.6	99.8
174	87.9	69.4	104.2

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12/14/2018 9:32:37 AM



#44

Bromodichloromethane

Concen: 9.662 ug/l

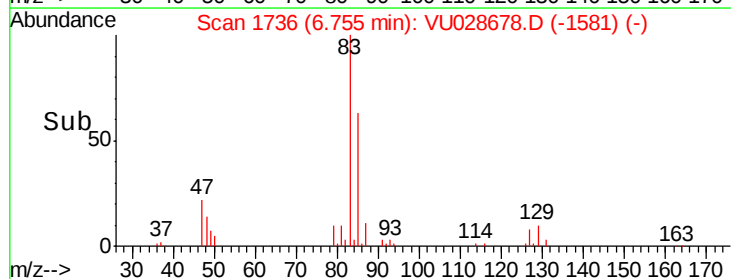
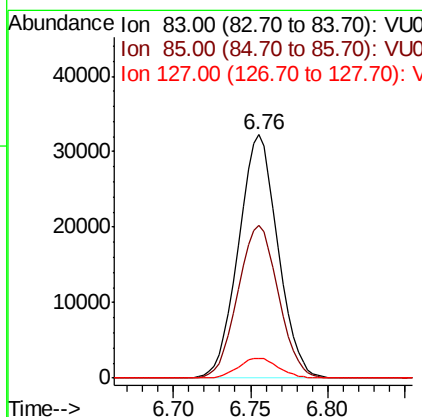
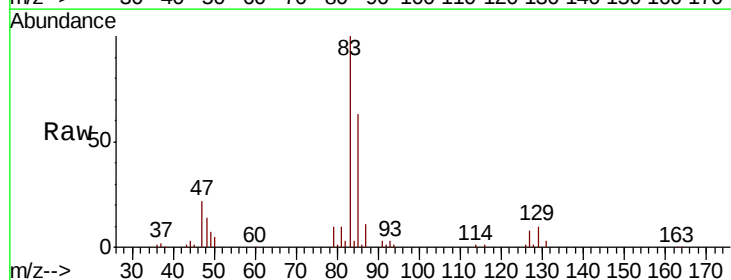
RT: 6.76 min Scan# 1736

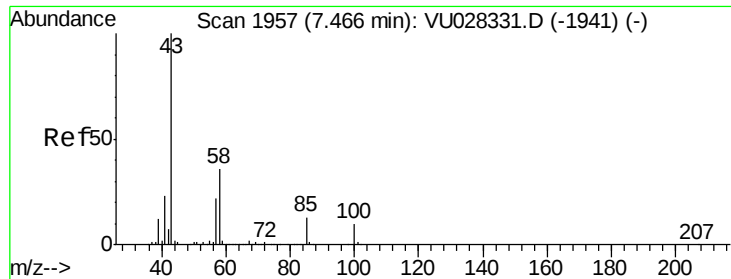
Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	83	Resp:	57166
Ion	Ratio	Lower	Upper
83	100		
85	62.5	49.0	73.6
127	8.2	5.7	8.5





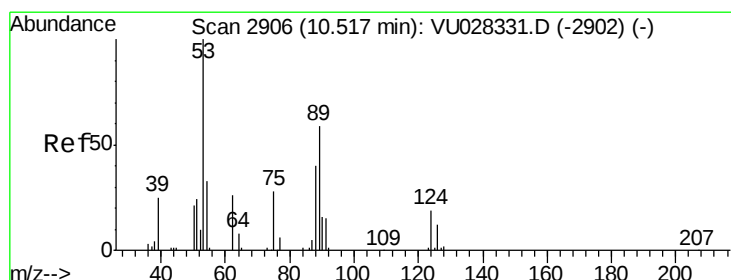
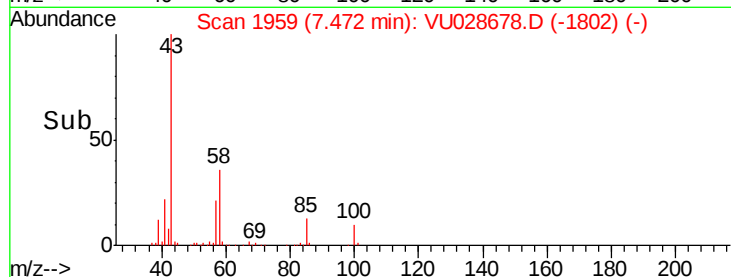
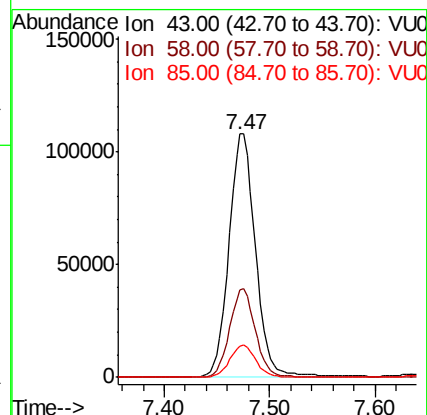
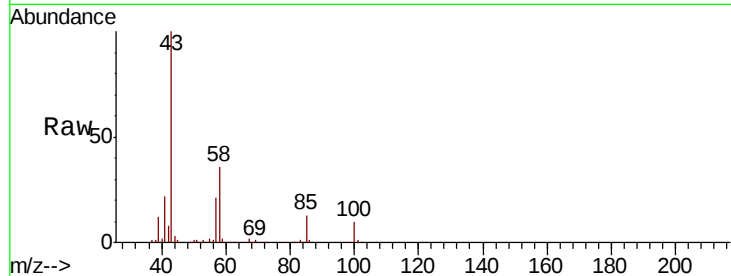
#45
4-Methyl-2-Pentanone
Concen: 51.678 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	185983		
58	35.4		17.9	53.7
85	13.1		10.8	16.2

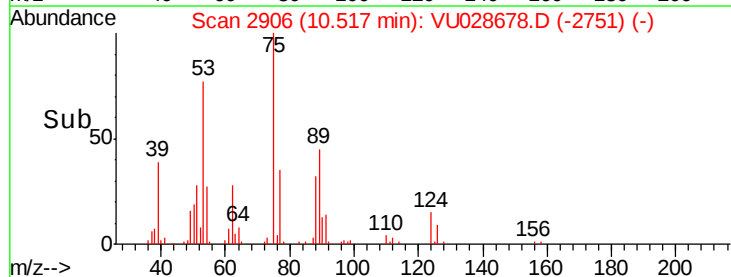
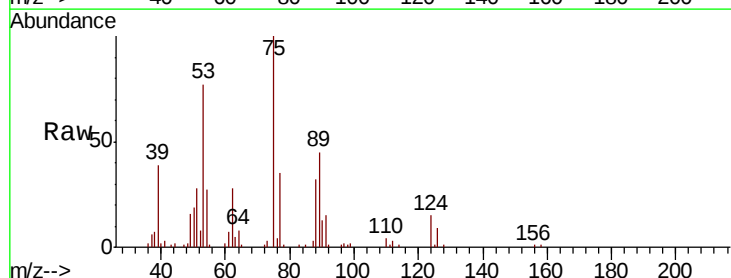
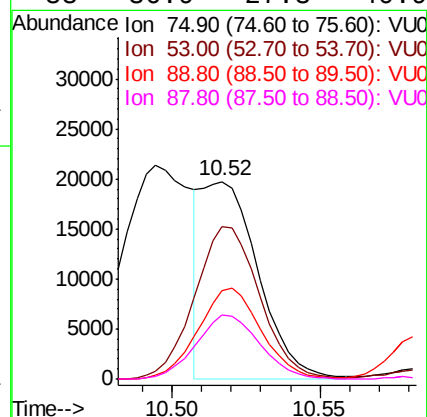
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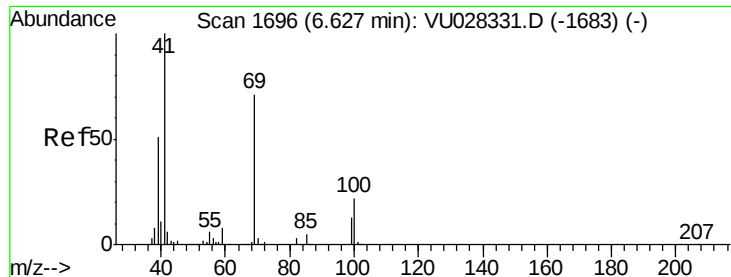
MMDadoda
12/14/2018 9:32:37 AM



#46
t-1,4-Dichloro-2-butene
Concen: 19.892 ug/l m
RT: 10.52 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26184		
53	89.1		65.0	97.6
89	51.7		38.6	58.0
88	36.9		27.3	40.9





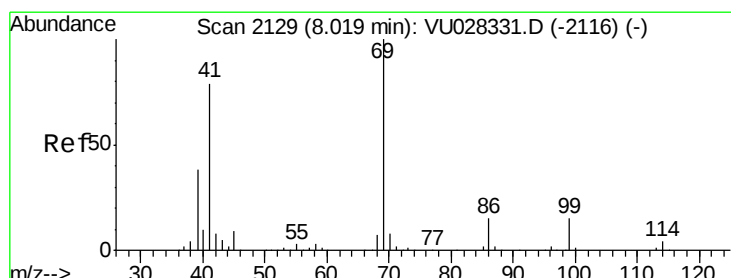
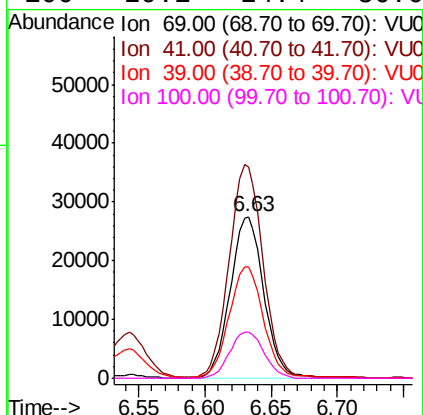
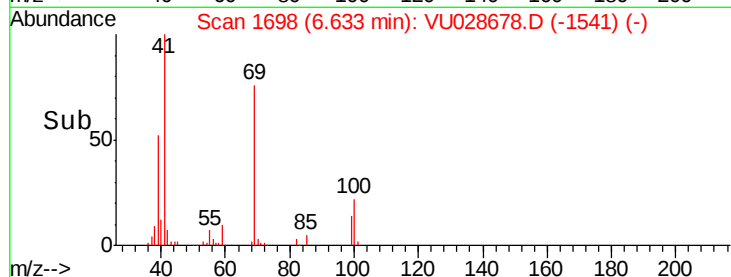
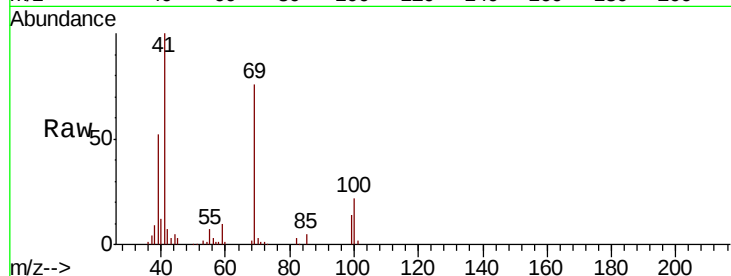
#47
Methyl methacrylate
Concen: 21.166 ug/l
RT: 6.63 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	132.8	0.0	277.2	
39	71.2	57.6	86.4	
100	29.1	24.4	36.6	

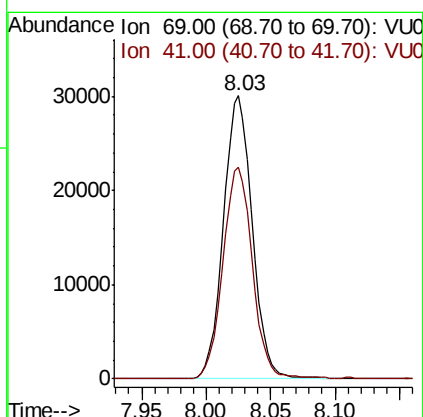
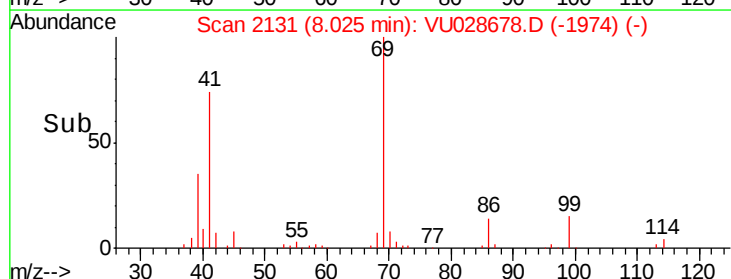
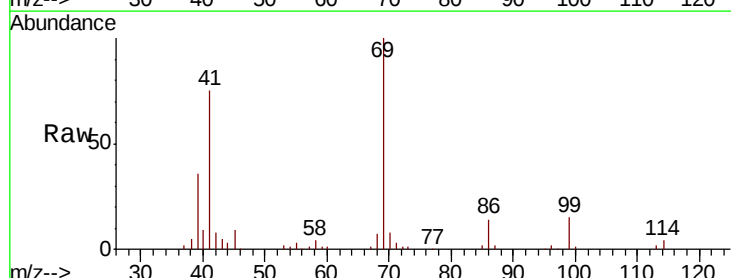
Manual Integrations
APPROVED

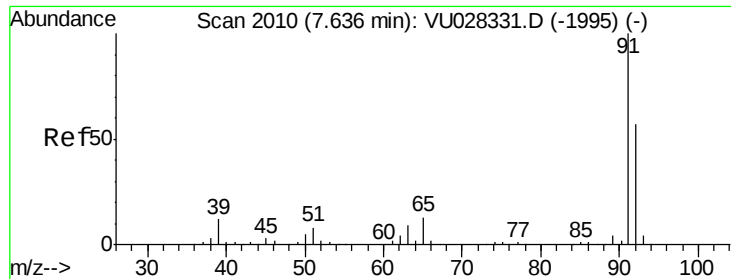
MMDadoda
12/14/2018 9:32:37 AM



#48
Ethyl methacrylate
Concen: 10.196 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.01 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	76.8	39.4	118.2	





#49

Toluene

Concen: 10.019 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 102694

Ion Ratio Lower Upper

92 100

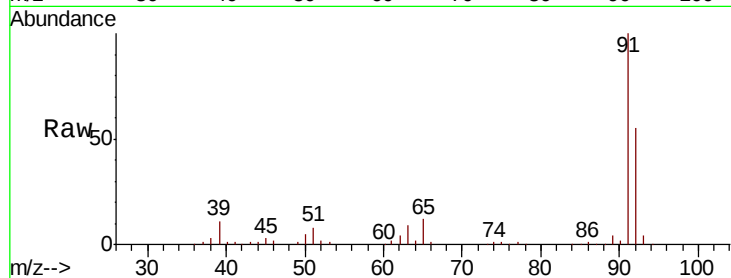
91 181.3 141.5 212.3

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU028331.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028331.D (-1995) (-)

120000

100000

80000

60000

40000

20000

0

7.55

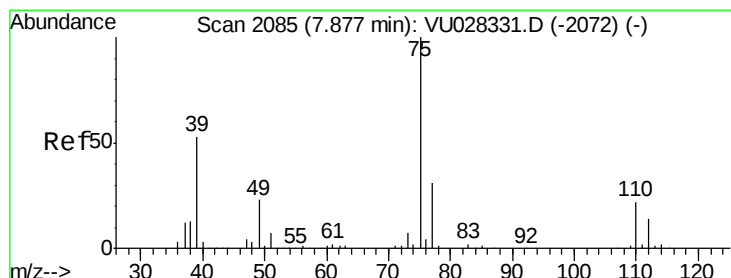
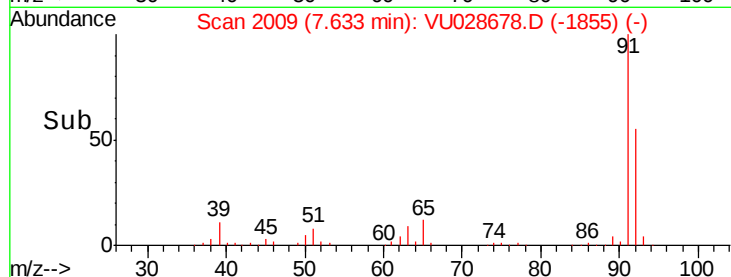
7.60

7.63

7.65

7.70

Time-->



#50

t-1,3-Dichloropropene

Concen: 9.842 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028678.D

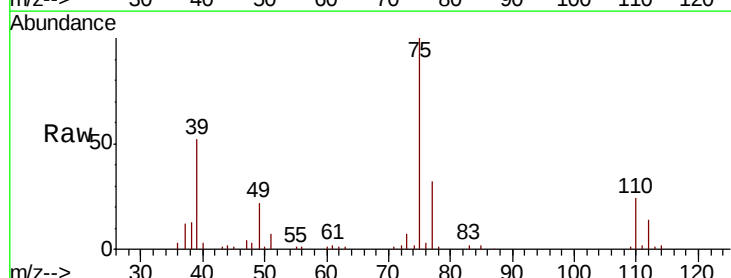
Acq: 13 Dec 2018 15:07

Tgt Ion: 75 Resp: 55929

Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-2072) (-)

Ion 77.00 (76.70 to 77.70): VU028331.D (-2072) (-)

40000

30000

20000

10000

0

7.80

7.85

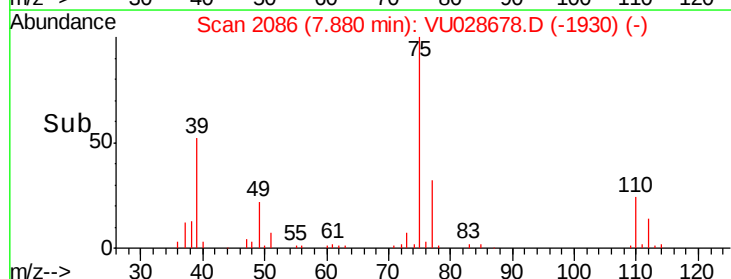
7.88

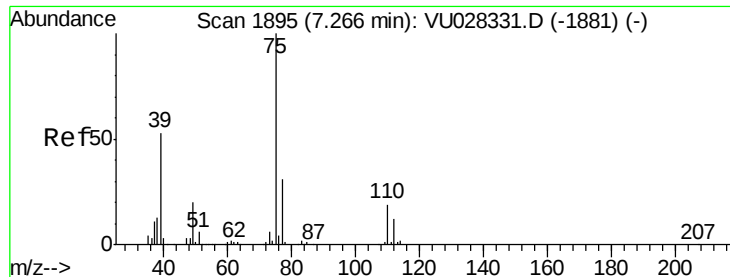
7.90

7.95

8.00

Time-->





#51

cis-1,3-Dichloropropene

Concen: 9.683 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

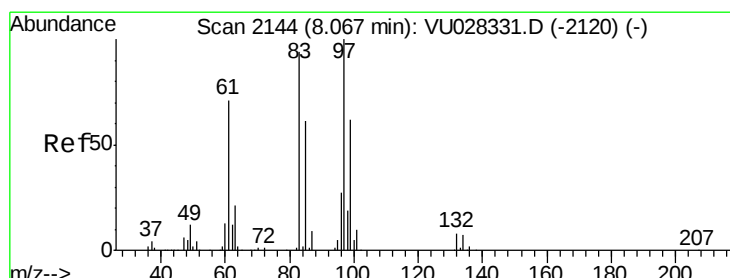
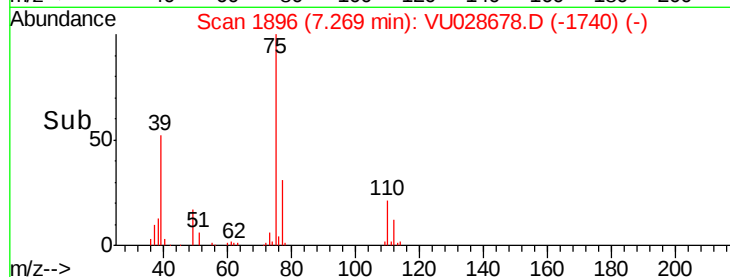
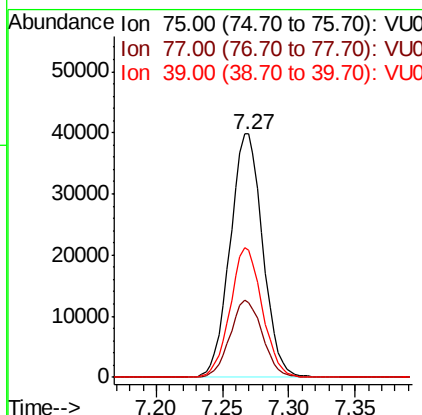
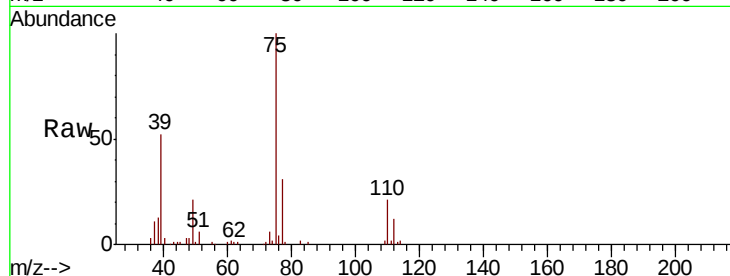
ClientSampleId :

VSTDCCC010EC

Tot Ion:	75	Resp:	67950
Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.4	36.6
39	52.2	42.8	64.2

Manual Integrations
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#52

1,1,2-Trichloroethane

Concen: 10.446 ug/l

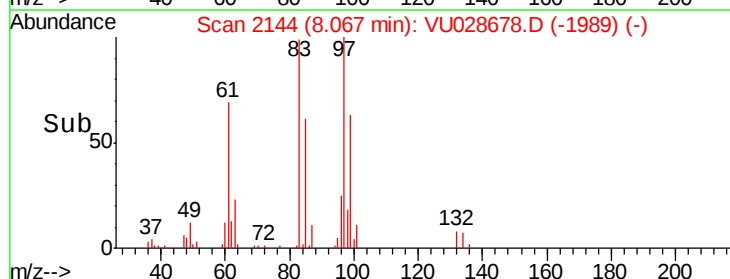
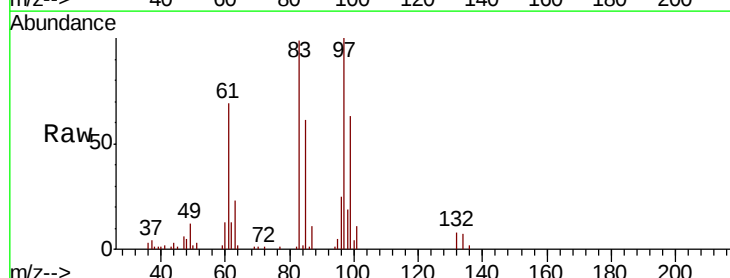
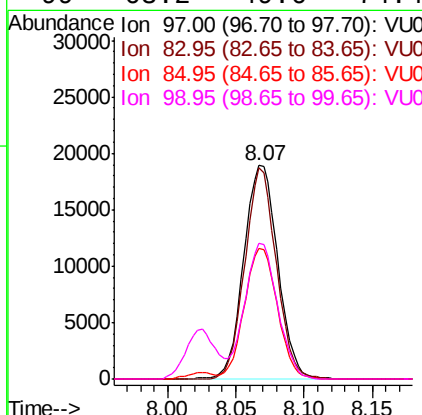
RT: 8.07 min Scan# 2144

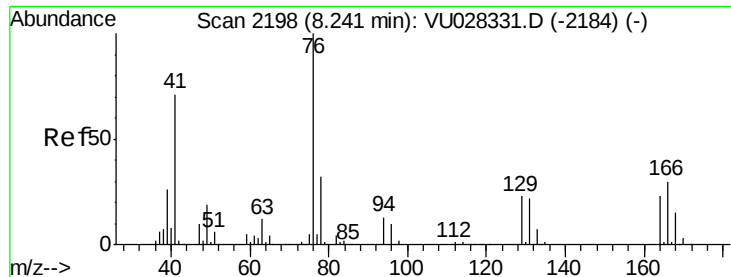
Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	97	Resp:	32858
Ion	Ratio	Lower	Upper
97	100		
83	98.7	75.1	112.7
85	61.3	48.7	73.1
99	63.2	49.6	74.4





#53

1,3-Dichloropropane

Concen: 10.204 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 59961

Ion Ratio Lower Upper

76 100

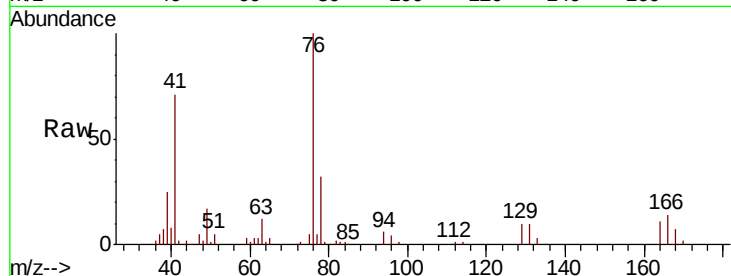
78 32.7 25.4 38.0

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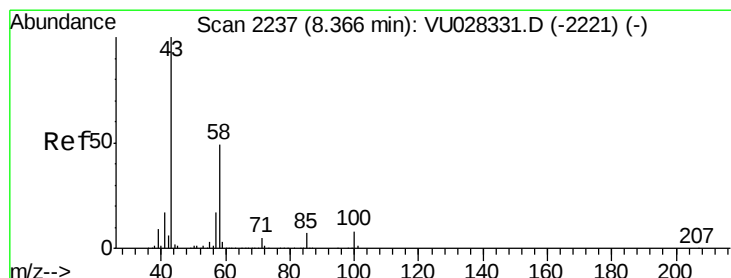
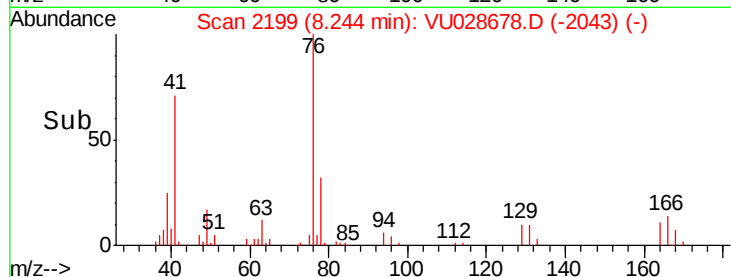
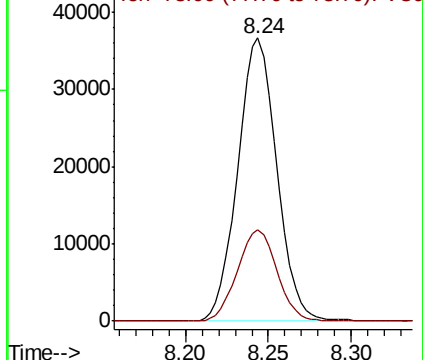
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Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 50.374 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

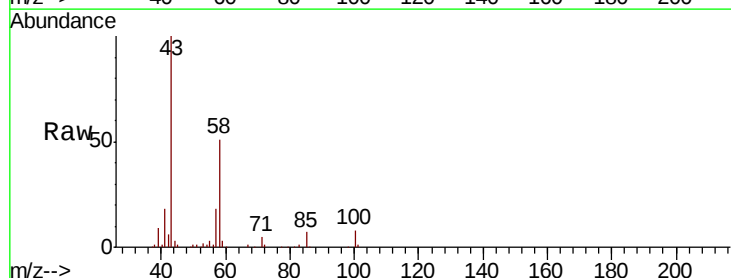
Tgt Ion: 43 Resp: 130417

Ion Ratio Lower Upper

43 100

58 50.5 29.3 69.3

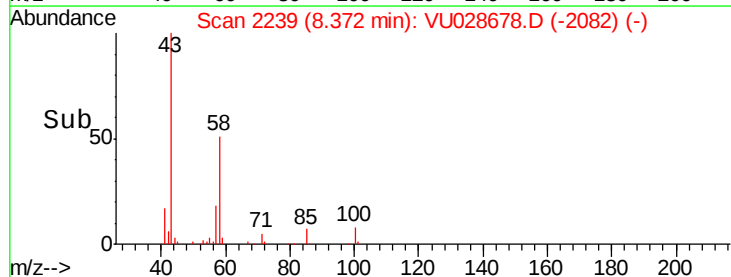
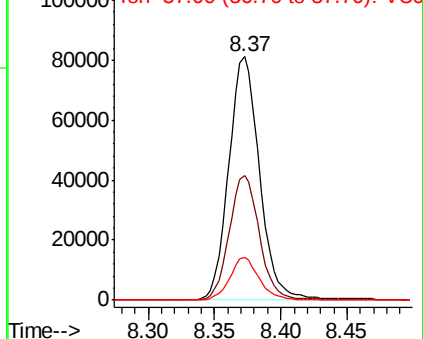
57 16.9 0.0 36.8

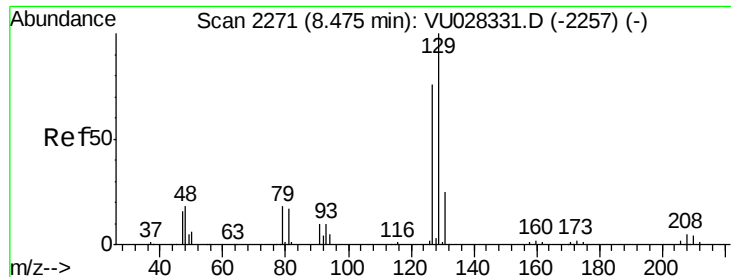


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 10.524 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:129 Resp: 35212

Ion Ratio Lower Upper

129 100

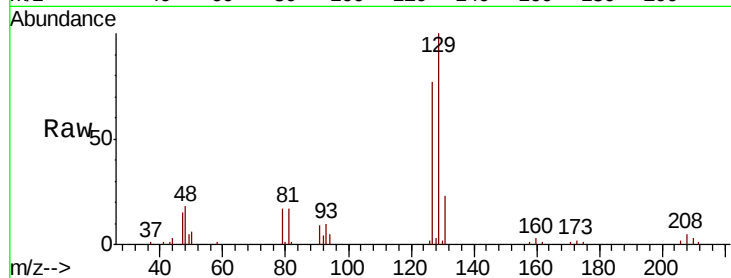
127 75.2 61.0 91.4

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

20000

15000

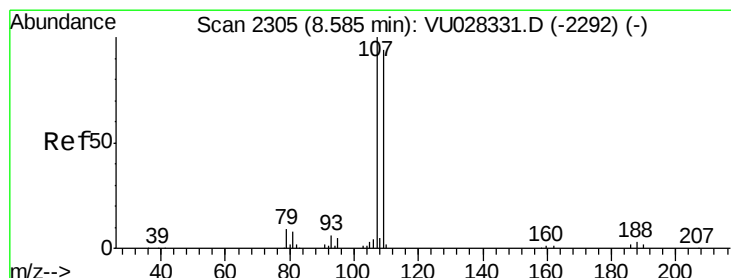
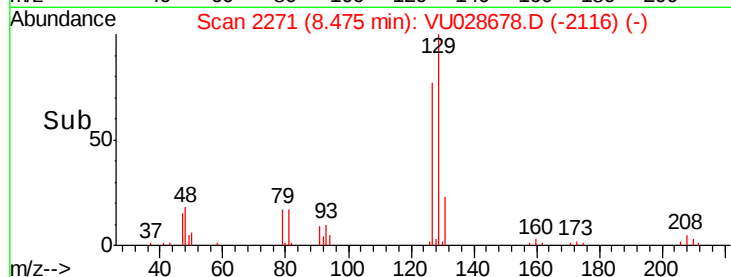
10000

5000

0

Time-->

8.40 8.45 8.50 8.55



#56

1,2-Dibromoethane

Concen: 10.409 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028678.D

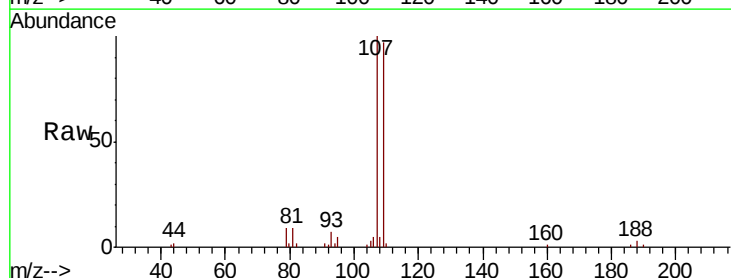
Acq: 13 Dec 2018 15:07

Tgt Ion:107 Resp: 29825

Ion Ratio Lower Upper

107 100

109 94.8 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

20000

15000

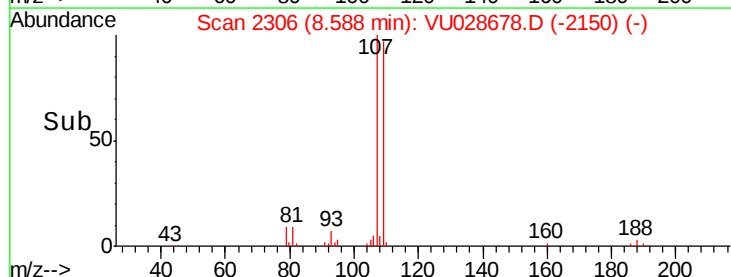
10000

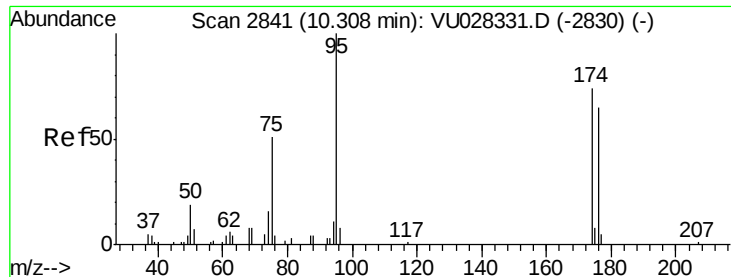
5000

0

Time-->

8.50 8.55 8.60 8.65





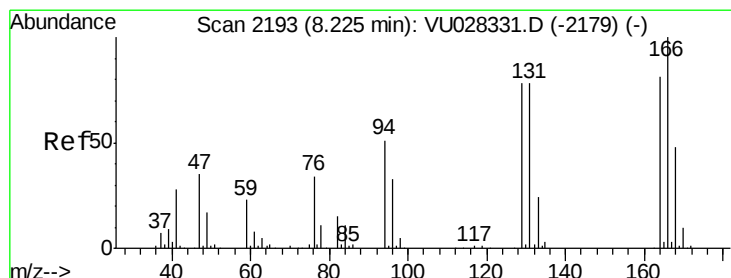
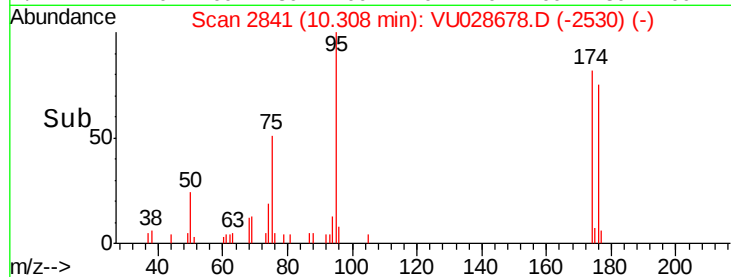
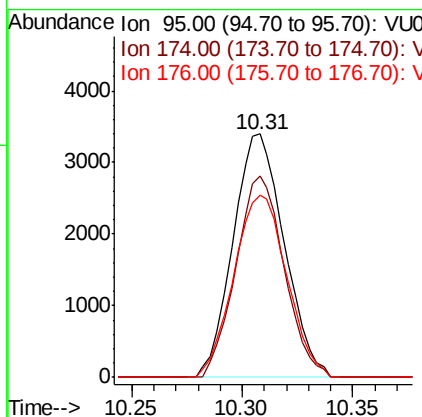
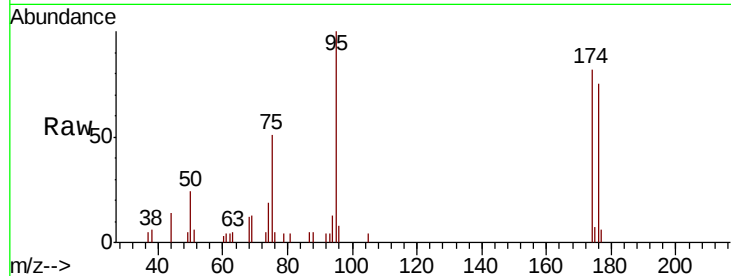
#57
4-Bromofluorobenzene
Concen: 10.409 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	78.0	59.3	88.9
176	77.5	54.3	81.5

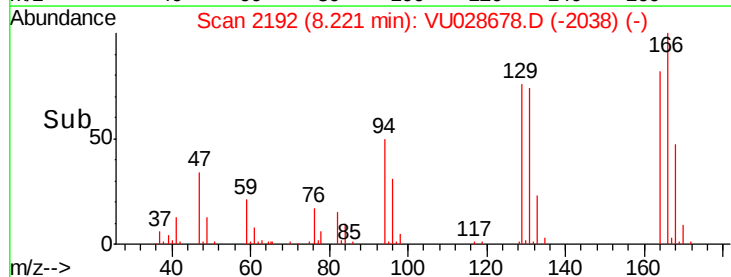
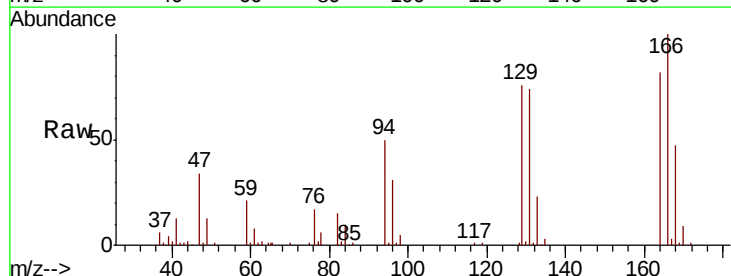
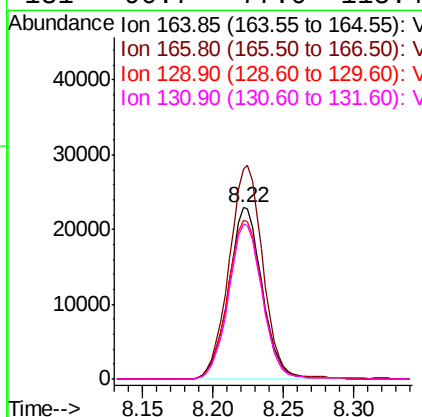
Manual Integrations
APPROVED

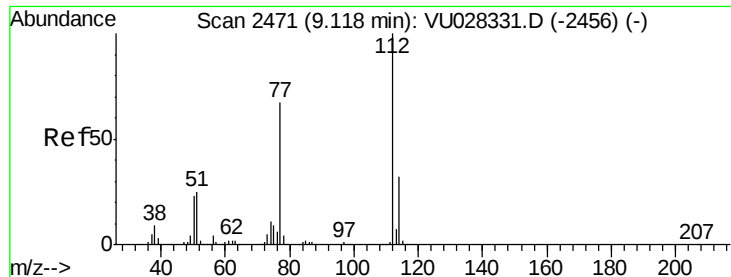
MMDadoda
12/14/2018 9:32:37 AM



#58
Tetrachloroethene
Concen: 10.420 ug/l
RT: 8.22 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	98.6	148.0
129	92.7	77.0	115.4
131	90.7	77.0	115.4





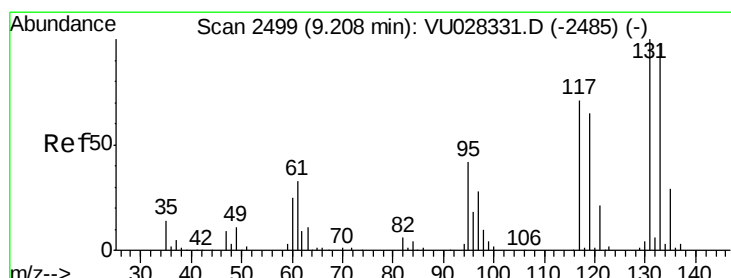
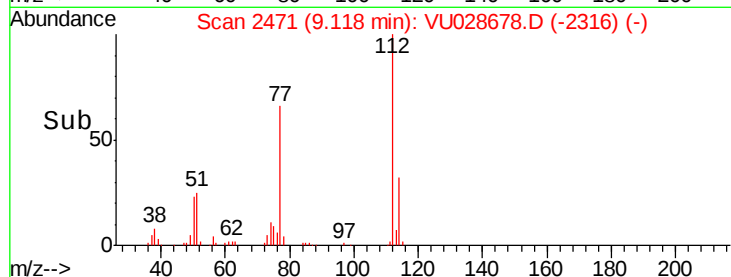
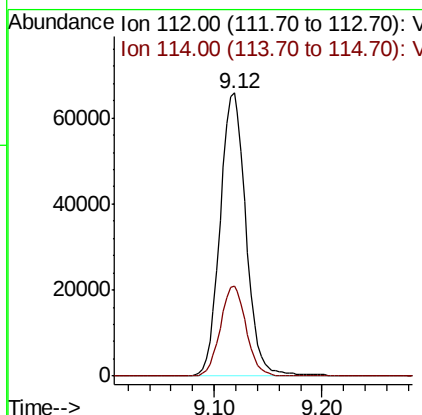
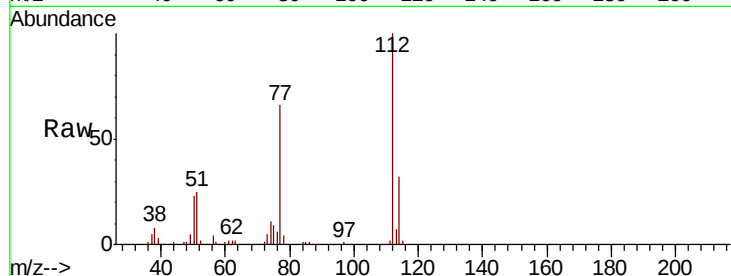
#59
Chlorobenzene
Concen: 10.288 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 109730
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8

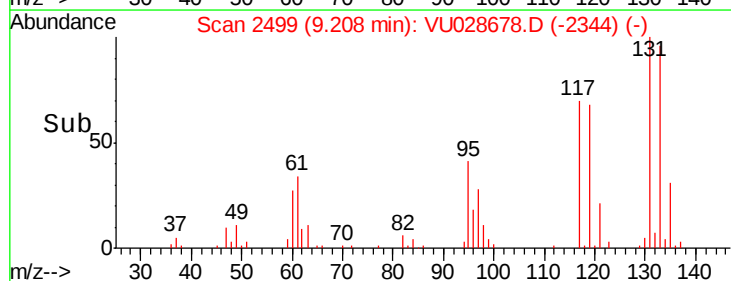
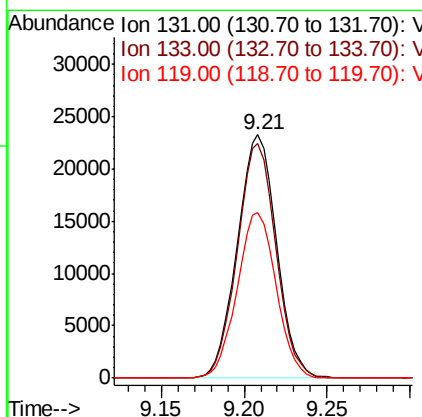
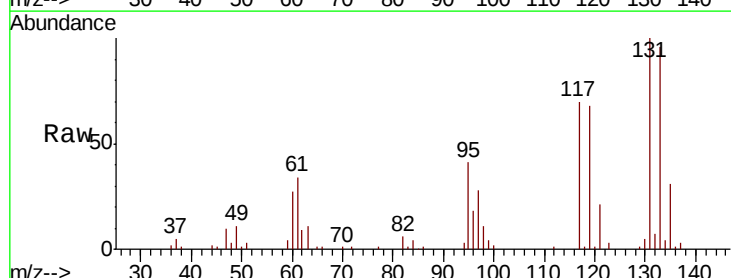
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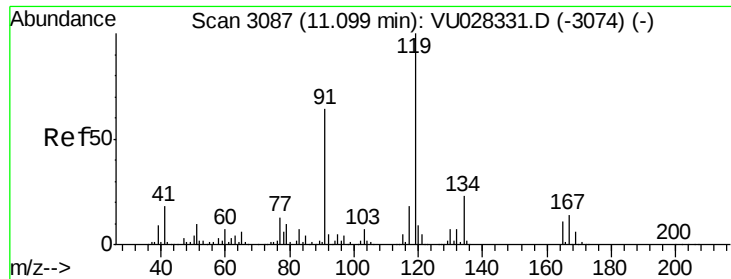
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.625 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion:131 Resp: 38403
Ion Ratio Lower Upper
131 100
133 94.8 77.7 116.5
119 67.3 54.3 81.5





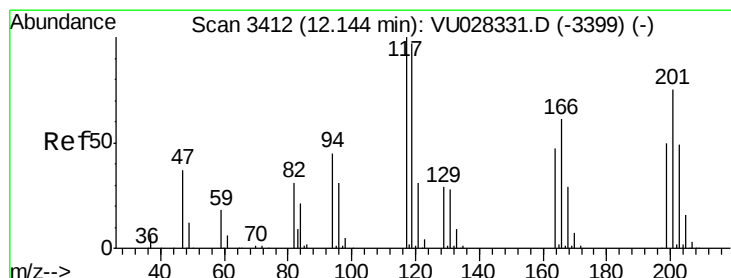
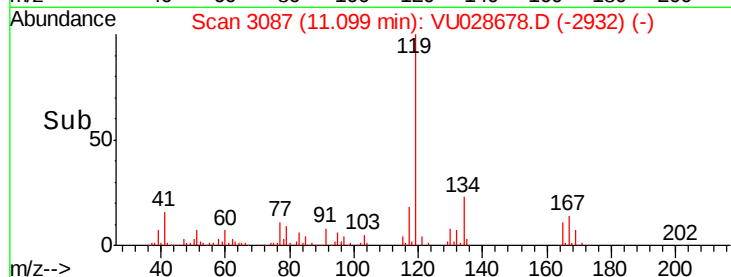
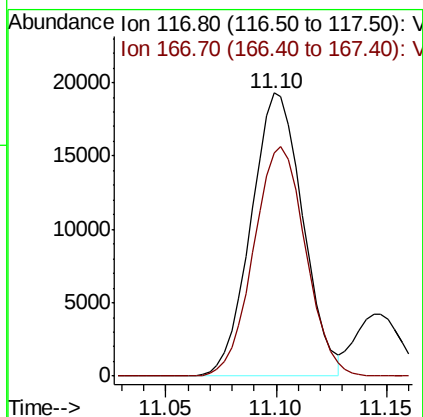
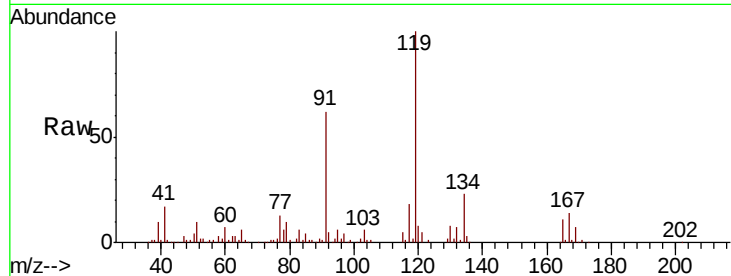
#61
Pentachloroethane
Concen: 11.166 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 31407
Ion Ratio Lower Upper
117 100
167 81.1 64.2 96.2

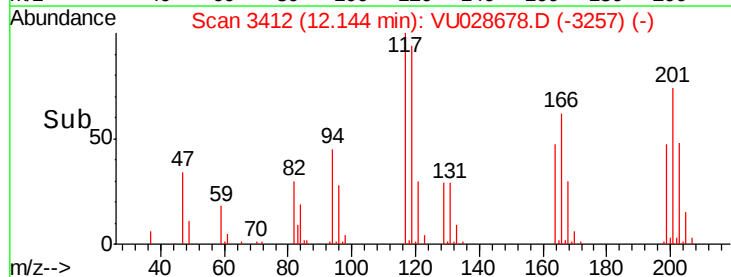
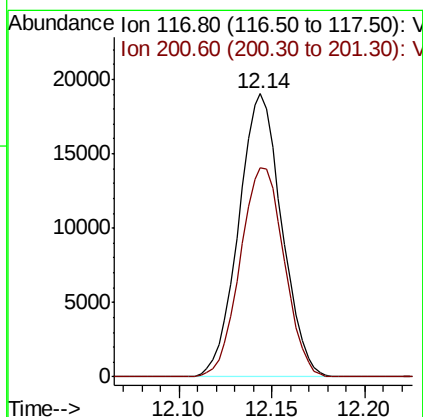
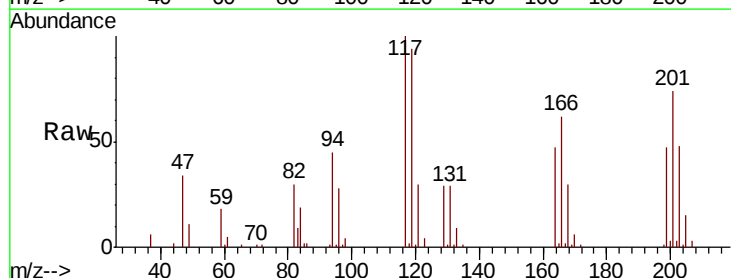
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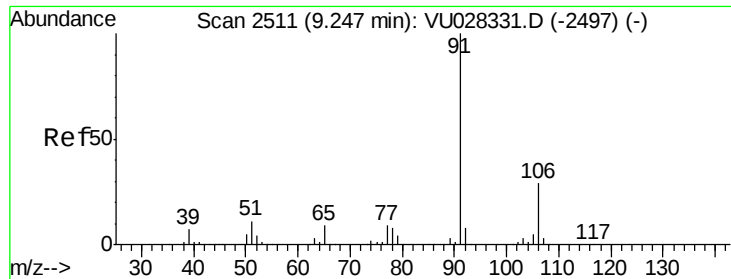
MMDadoda
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#62
Hexachloroethane
Concen: 11.635 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion:117 Resp: 30669
Ion Ratio Lower Upper
117 100
201 75.2 59.4 89.2





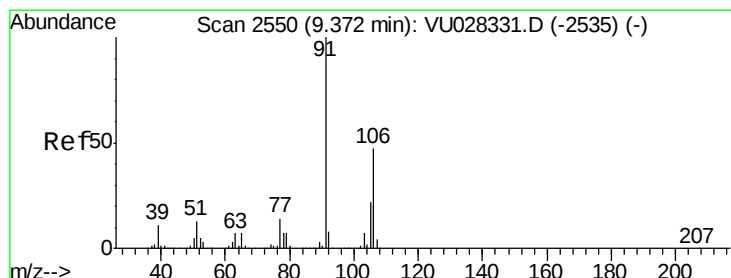
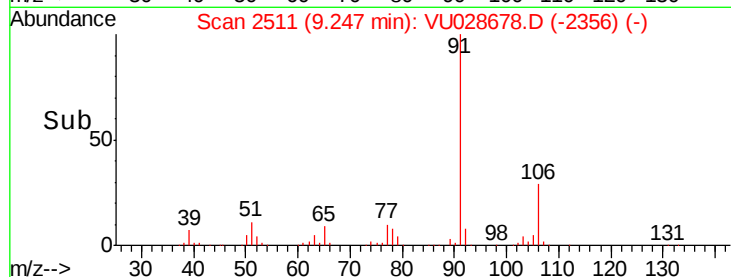
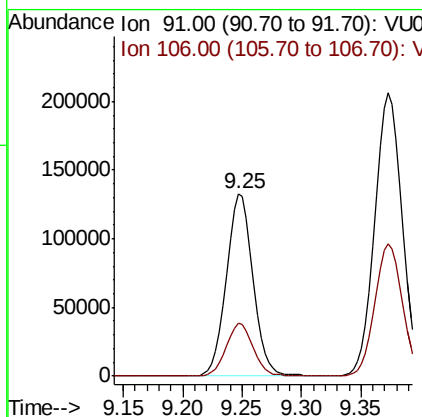
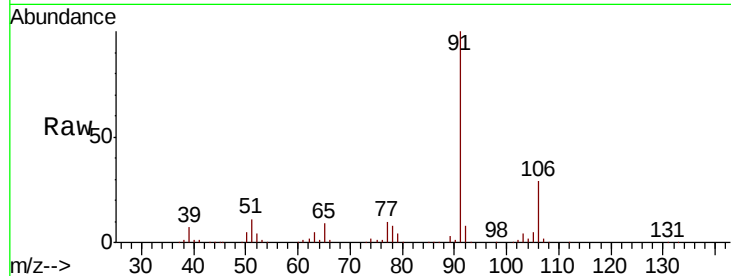
#63
Ethyl Benzene
Concen: 10.508 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 206805
Ion Ratio Lower Upper
91 100
106 28.8 23.4 35.2

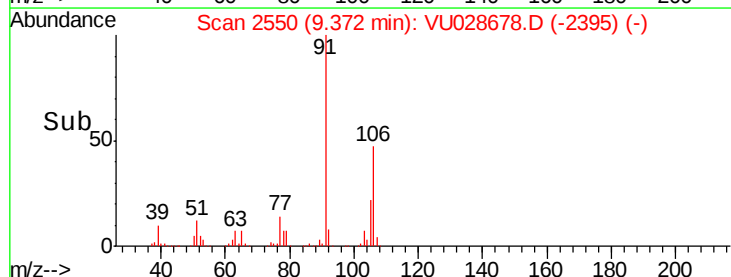
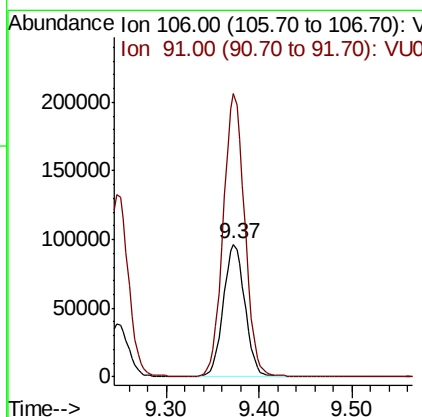
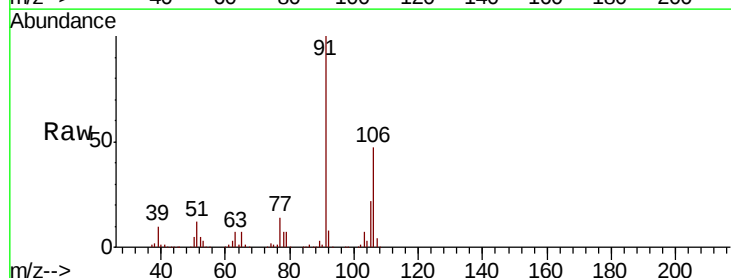
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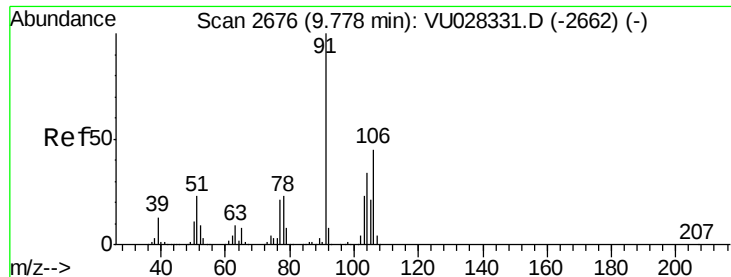
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#64
m/p-Xylenes
Concen: 21.905 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 106 Resp: 156012
Ion Ratio Lower Upper
106 100
91 211.3 170.6 256.0





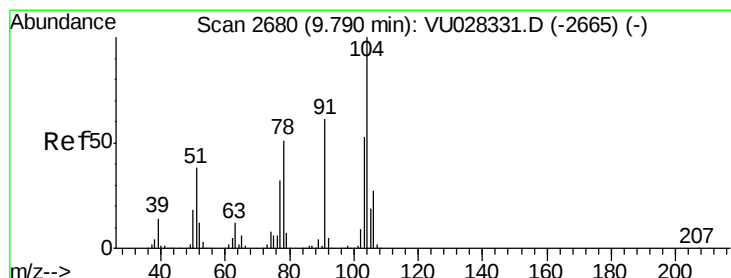
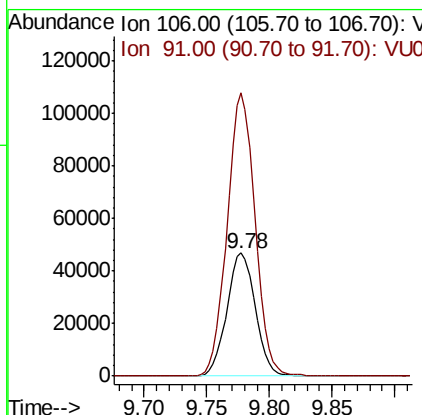
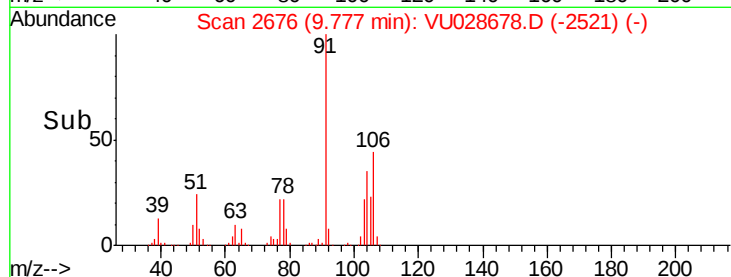
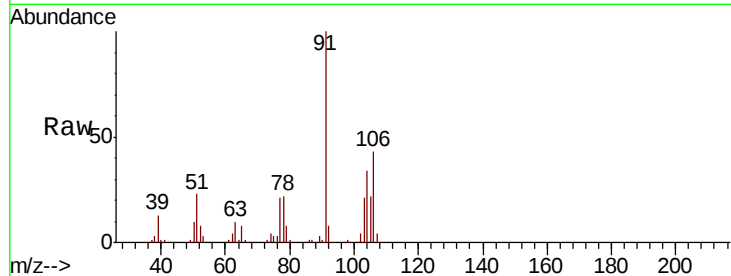
#65
o-Xylene
Concen: 10.742 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:106 Resp: 73826
Ion Ratio Lower Upper
106 100
91 224.7 112.3 337.0

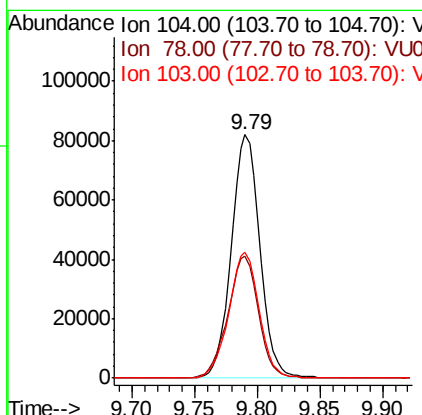
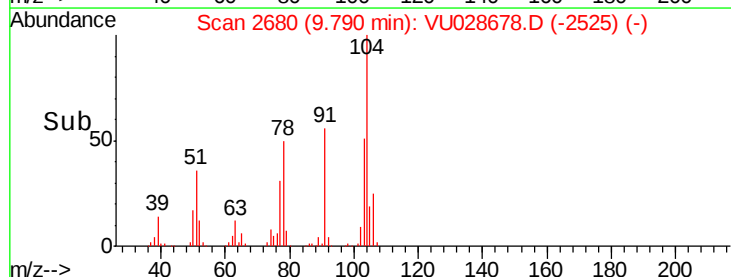
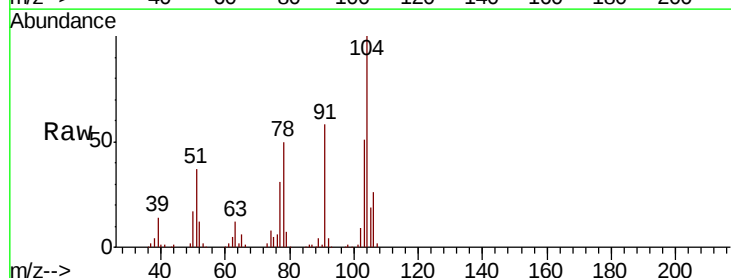
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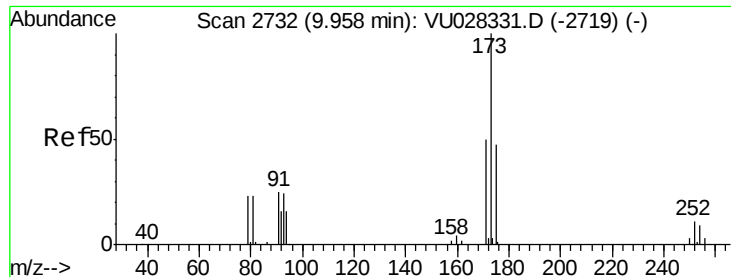
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#66
Styrene
Concen: 11.011 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion:104 Resp: 129801
Ion Ratio Lower Upper
104 100
78 53.8 44.0 66.0
103 54.7 45.2 67.8





#67

Bromoform

Concen: 10.533 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

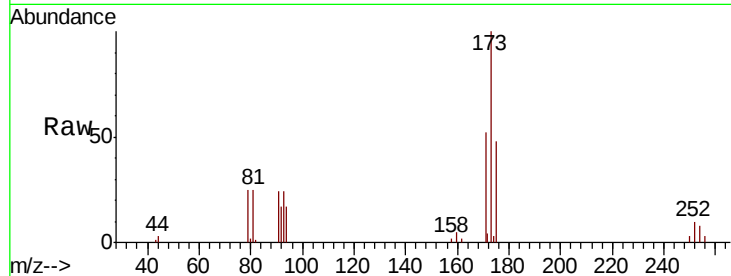
ClientSampleId :

VSTDCCC010EC

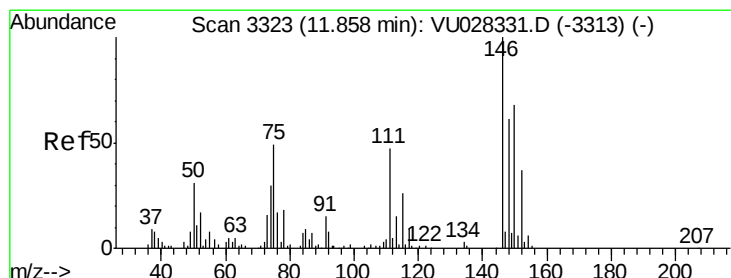
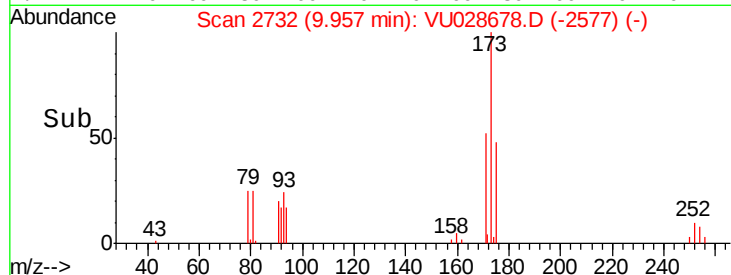
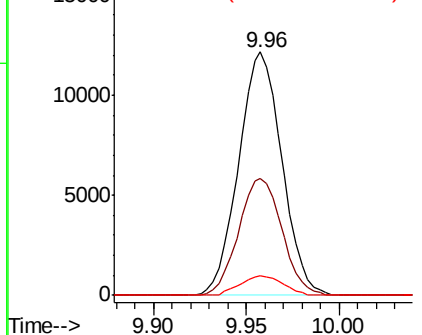
Tot Ion:	173	Resp:	19751
Ion Ratio	Lower	Upper	
173	100		
175	48.0	39.0	58.6
254	7.9	6.8	10.2

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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: 10.533 ug/l

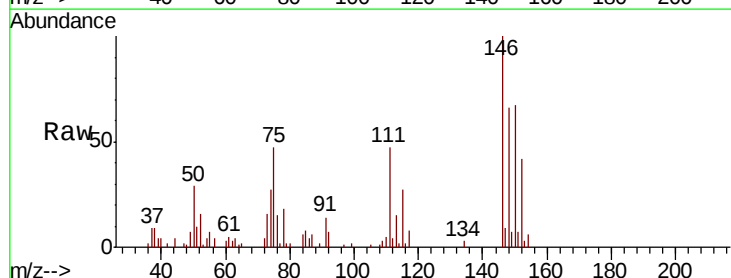
RT: 11.86 min Scan# 3323

Delta R.T. -0.00 min

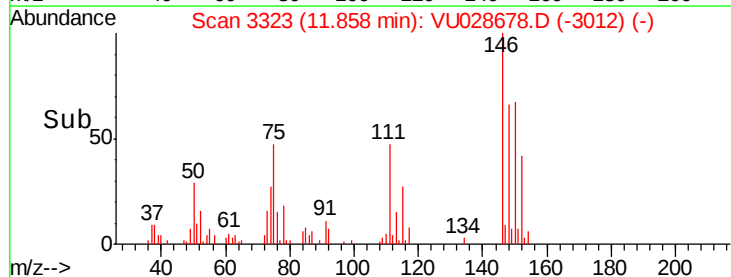
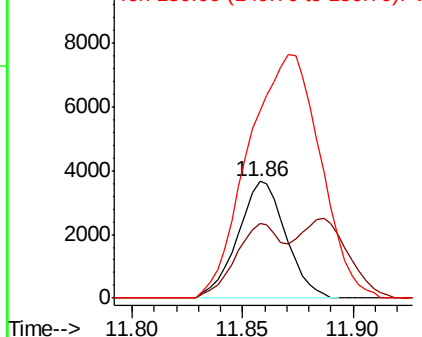
Lab File: VU028678.D

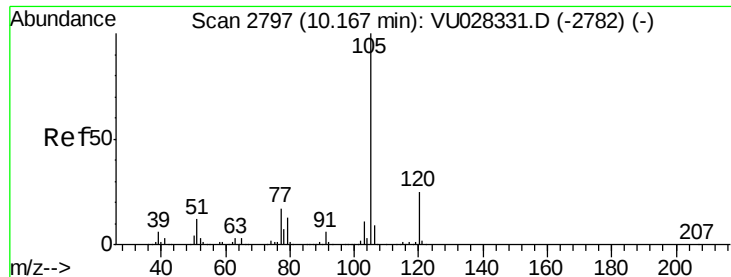
Acq: 13 Dec 2018 15:07

Tgt Ion:	152	Resp:	5536
Ion Ratio	Lower	Upper	
152	100		
115	63.1	0.0	146.8
150	312.8	0.0	653.2



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





#69

Isopropylbenzene

Concen: 10.729 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 197460

Ion Ratio Lower Upper

105 100

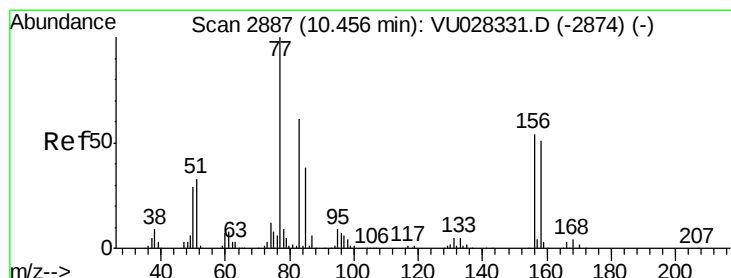
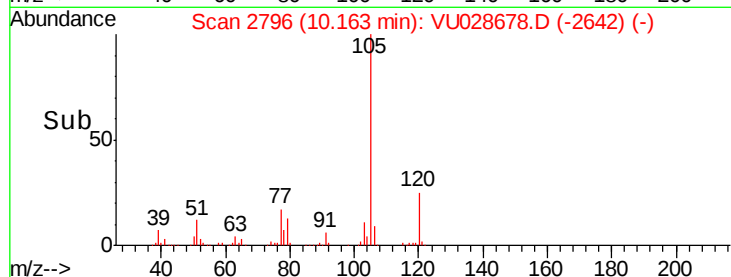
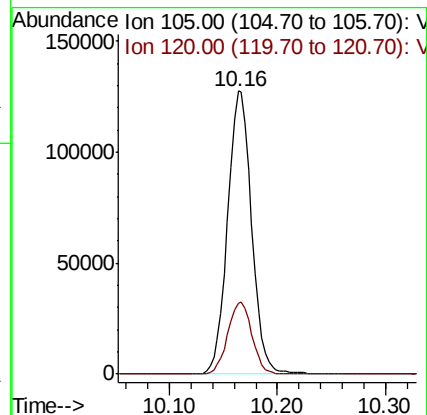
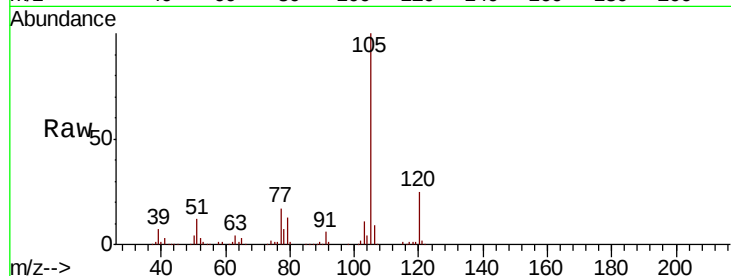
120 25.7 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 11.021 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

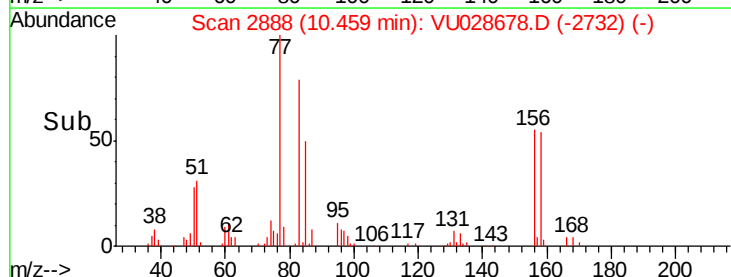
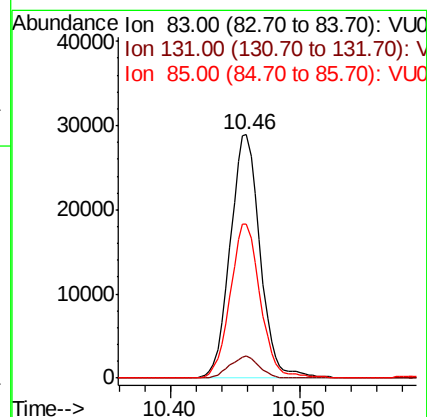
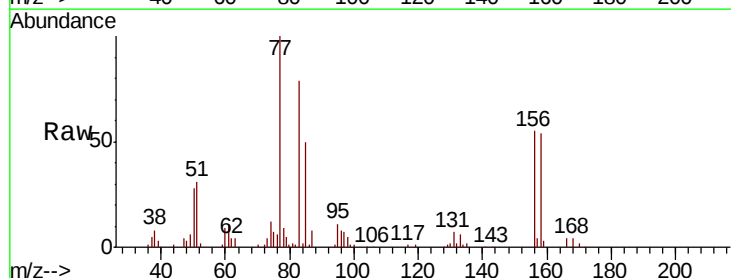
Tgt Ion: 83 Resp: 46505

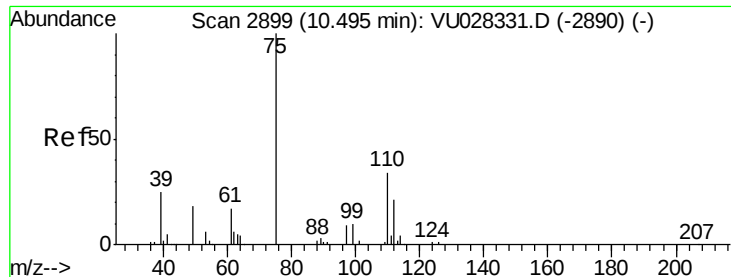
Ion Ratio Lower Upper

83 100

131 8.7 6.6 9.8

85 63.6 50.5 75.7





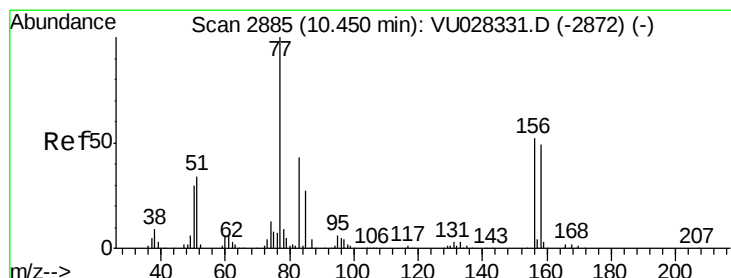
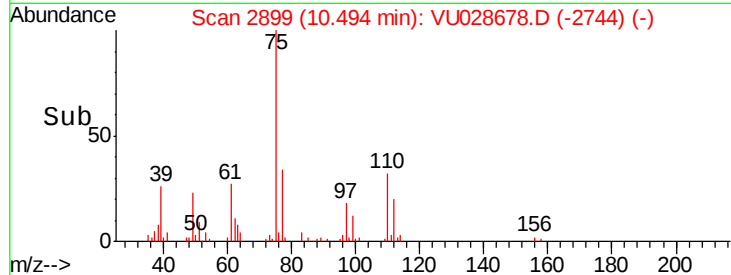
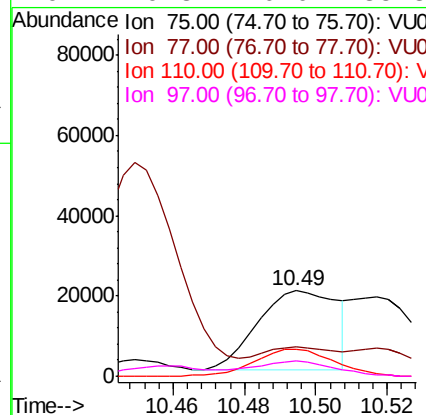
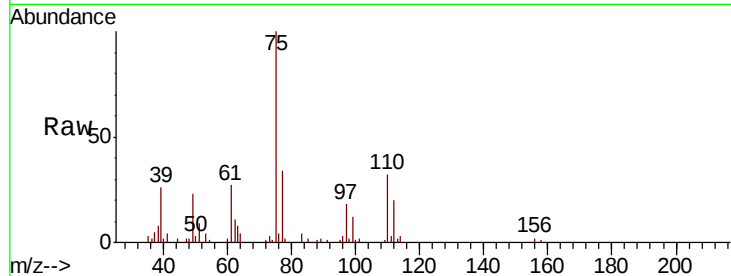
#71
 1,2,3-Trichloropropane
 Concen: 10.305 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	75	Resp:	30312
Ion Ratio	Lower	Upper	
75	100		
77	11.7	0.0	0.0#
110	34.3	0.0	67.6
97	19.3	0.0	35.8

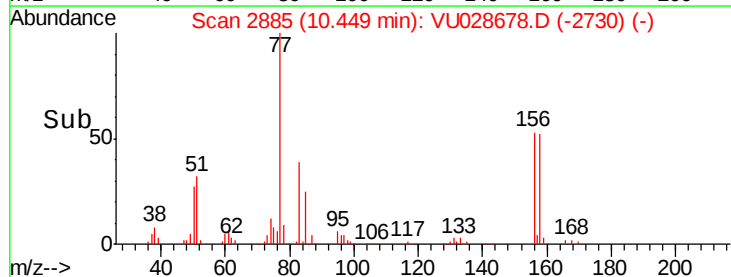
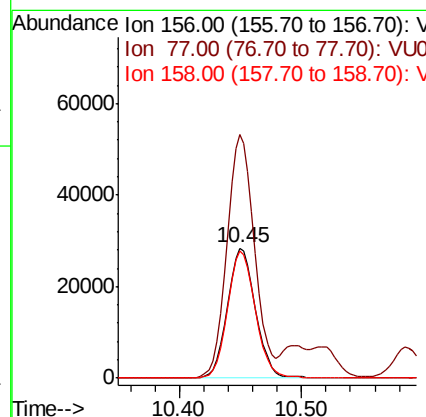
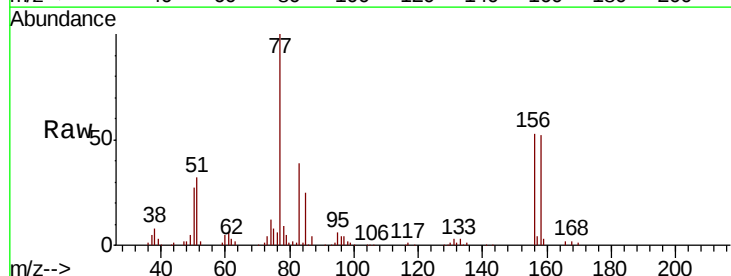
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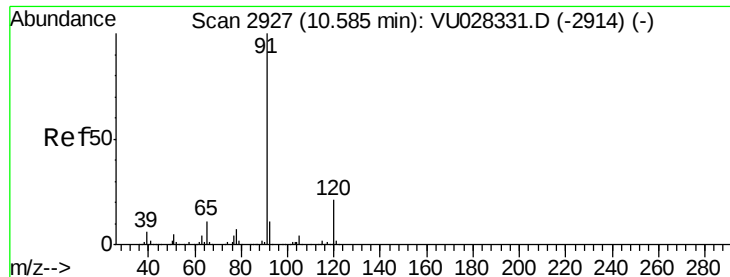
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#72
 Bromobenzene
 Concen: 11.254 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion:	156	Resp:	45970
Ion Ratio	Lower	Upper	
156	100		
77	183.9	0.0	380.4
158	96.8	0.0	191.2





#73

n-propylbenzene

Concen: 11.344 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 54149

Ion Ratio Lower Upper

120 100

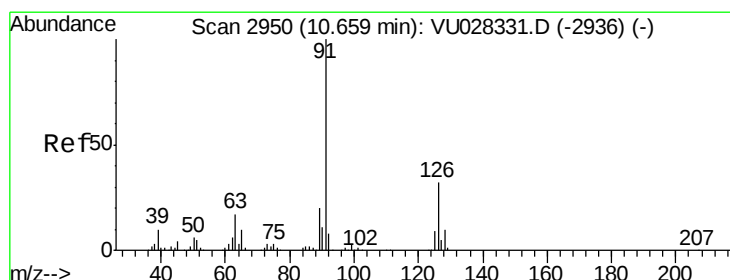
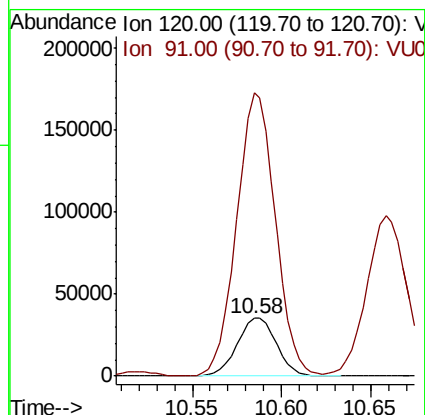
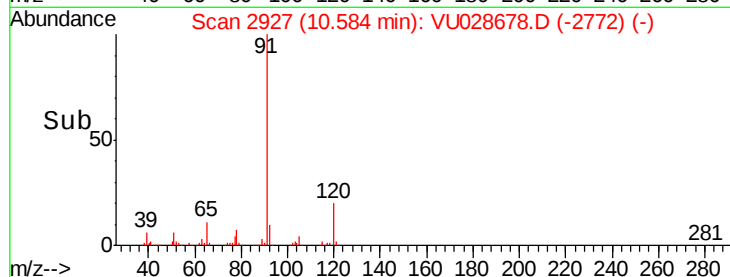
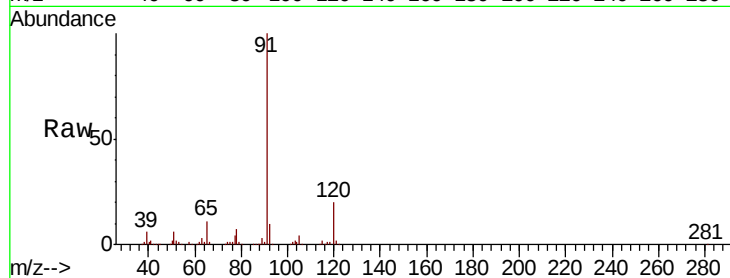
91 479.3 388.1 582.1

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#74

2-Chlorotoluene

Concen: 11.355 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028678.D

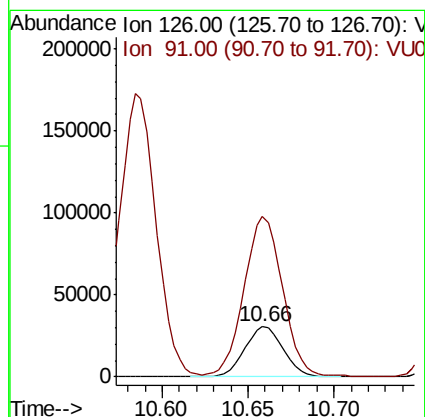
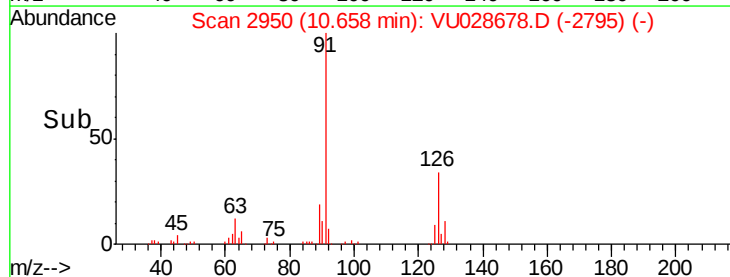
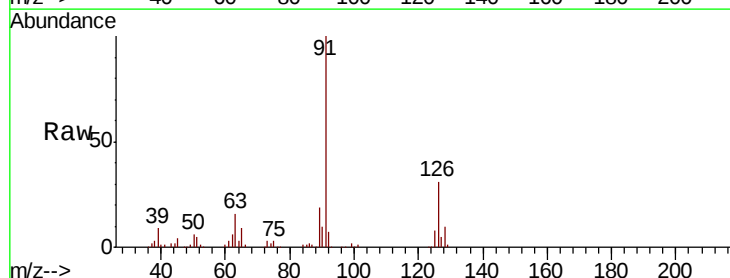
Acq: 13 Dec 2018 15:07

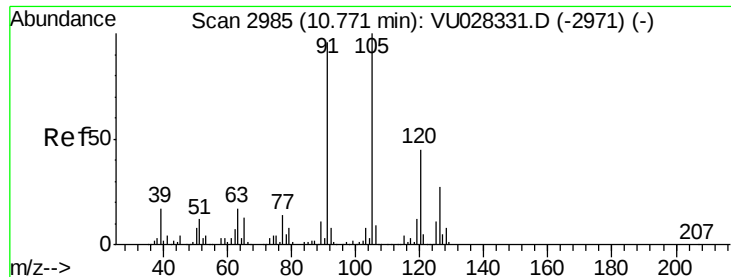
Tgt Ion:126 Resp: 47492

Ion Ratio Lower Upper

126 100

91 320.5 0.0 661.0





#75

1,3,5-Trimethylbenzene

Concen: 11.217 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 173737

Ion Ratio Lower Upper

105 100

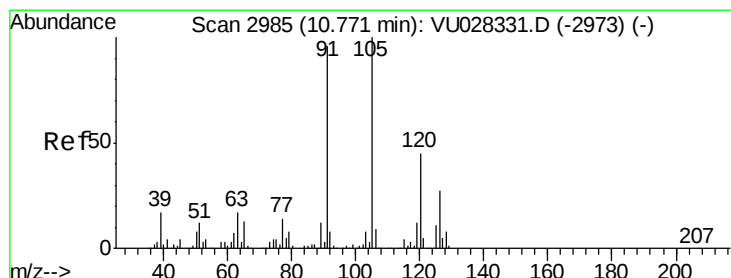
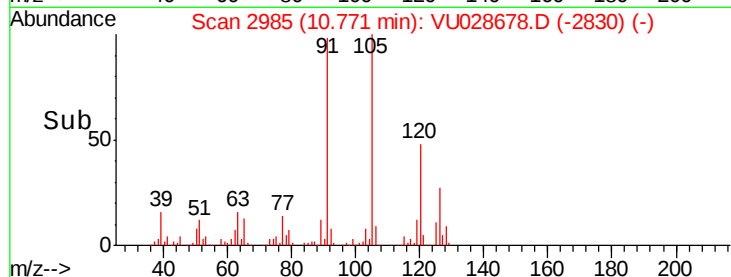
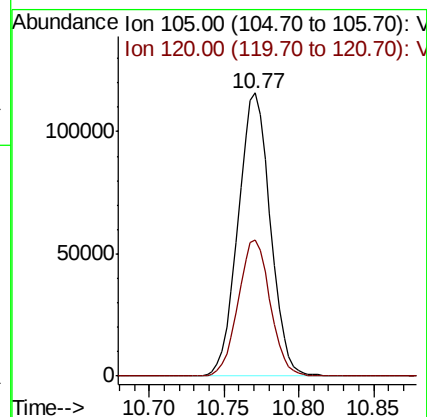
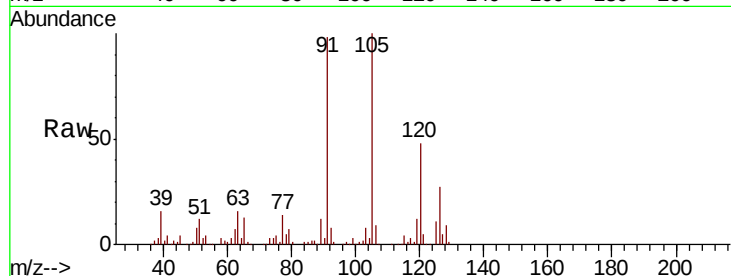
120 47.9 36.3 54.5

Manual Integrations

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#76

4-Chlorotoluene

Concen: 11.402 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028678.D

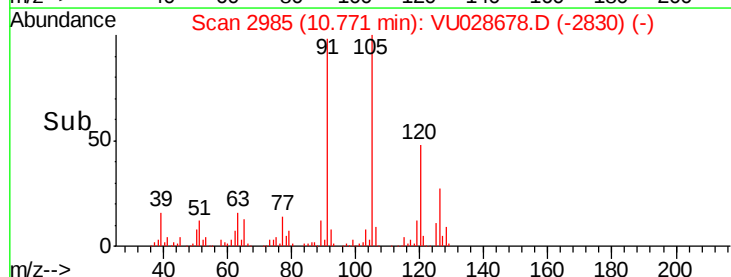
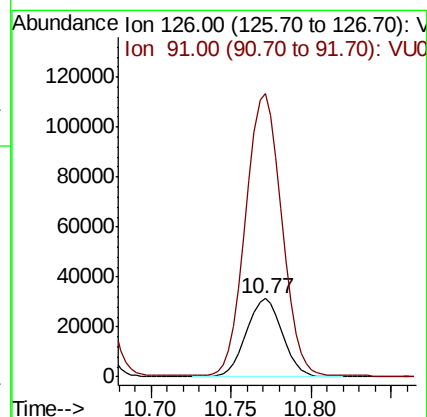
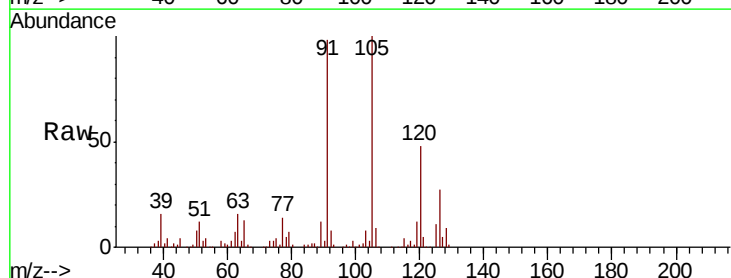
Acq: 13 Dec 2018 15:07

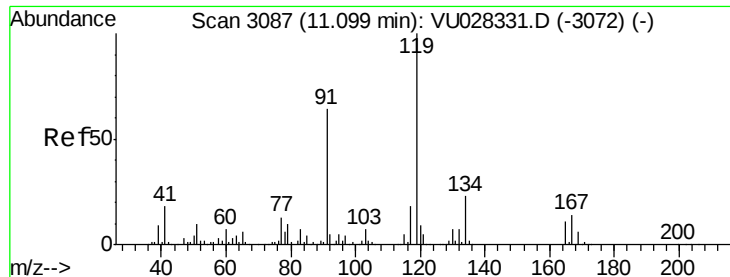
Tgt Ion:126 Resp: 48346

Ion Ratio Lower Upper

126 100

91 360.3 0.0 731.2





#77

tert-Butylbenzene

Concen: 11.243 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

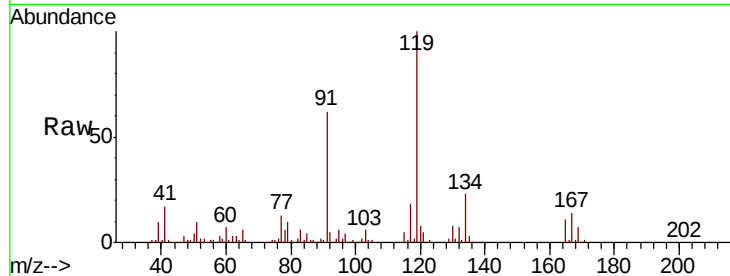
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	163945
Ion Ratio	Lower	Upper	
119	100		
91	61.2	32.0	96.0
134	22.4	17.9	26.9

Manual Integrations
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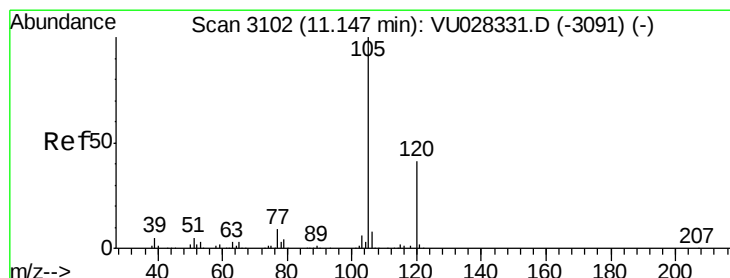
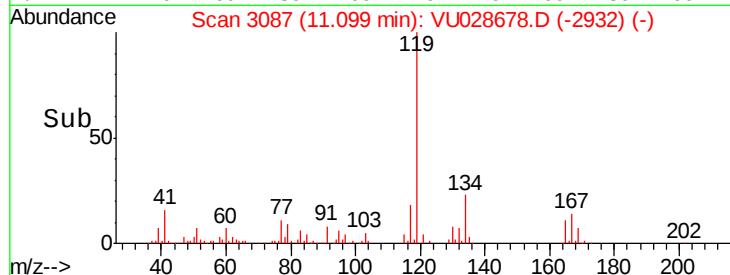
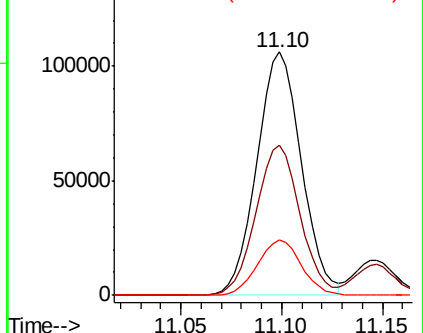
MMDadoda
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 11.296 ug/l

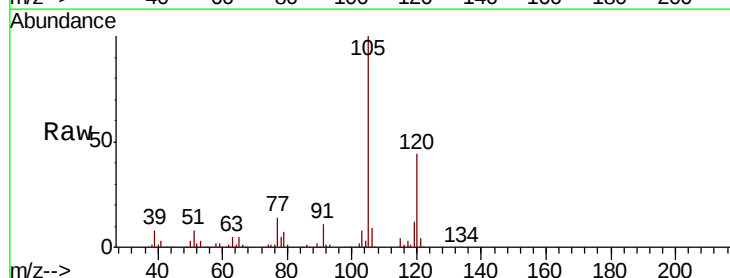
RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028678.D

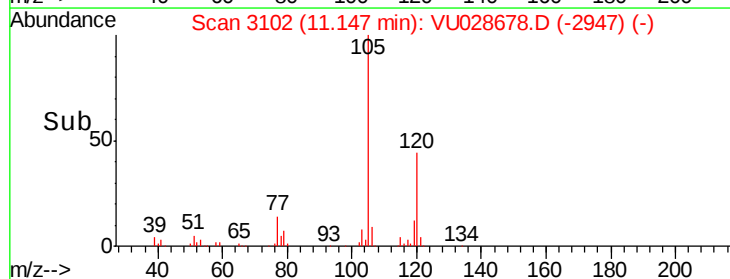
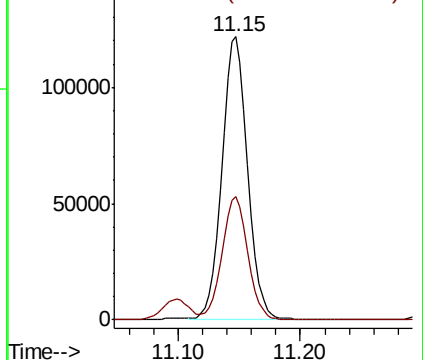
Acq: 13 Dec 2018 15:07

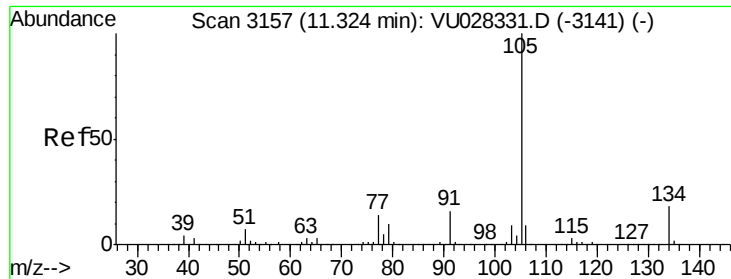
Tgt Ion:	105	Resp:	179301
Ion Ratio	Lower	Upper	
105	100		
120	43.7	21.9	65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





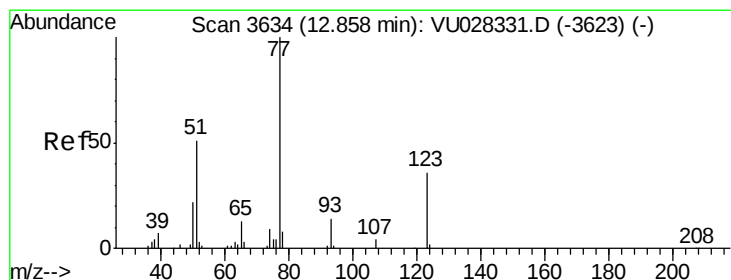
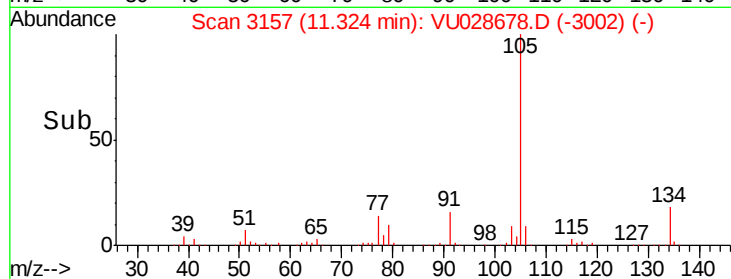
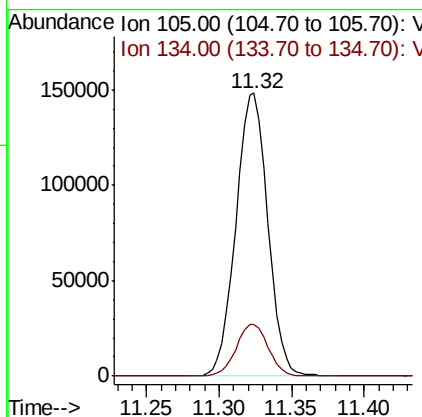
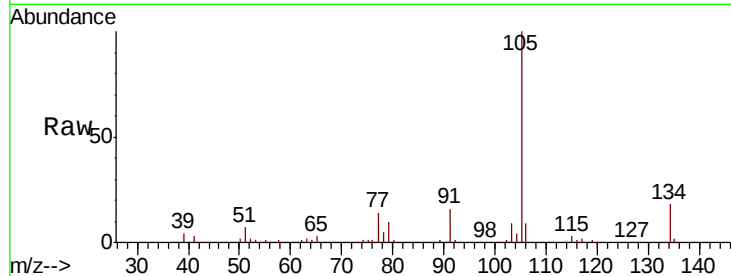
#79
 sec-Butylbenzene
 Concen: 11.146 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 226582
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 22.0

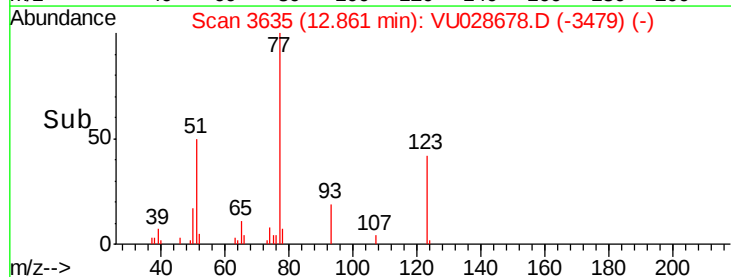
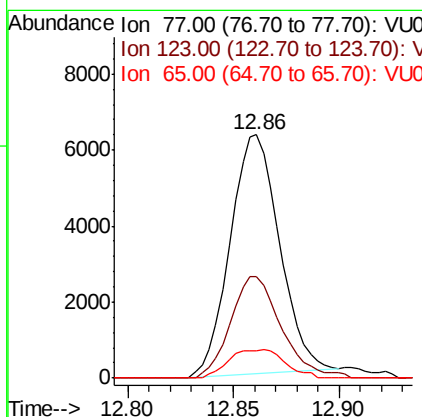
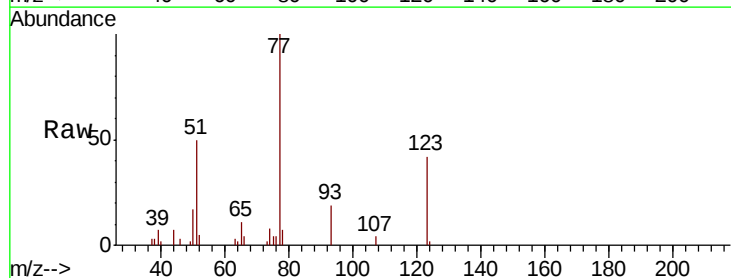
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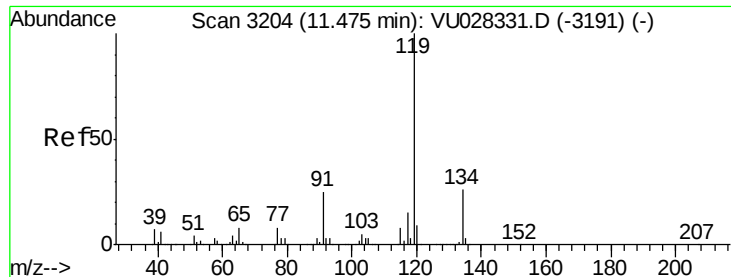
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#80
 Nitrobenzene
 Concen: 53.769 ug/l
 RT: 12.86 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 77 Resp: 10221
 Ion Ratio Lower Upper
 77 100
 123 43.6 16.5 58.3
 65 13.7 12.1 15.3





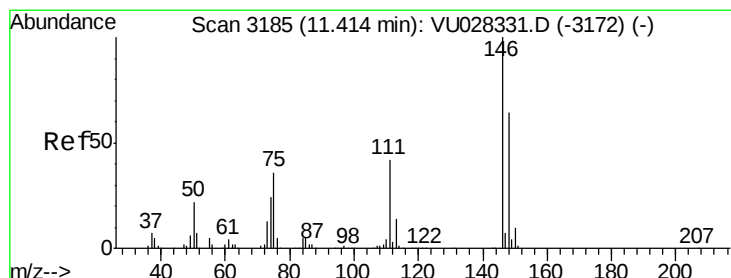
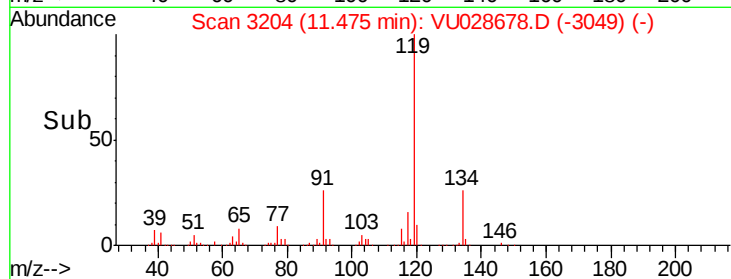
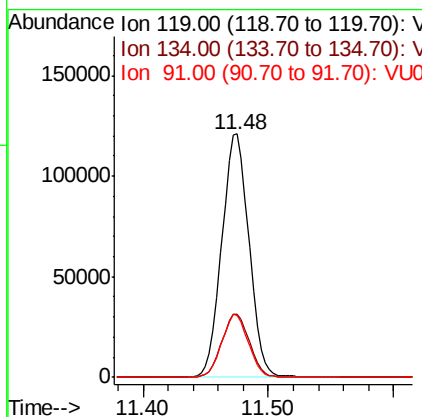
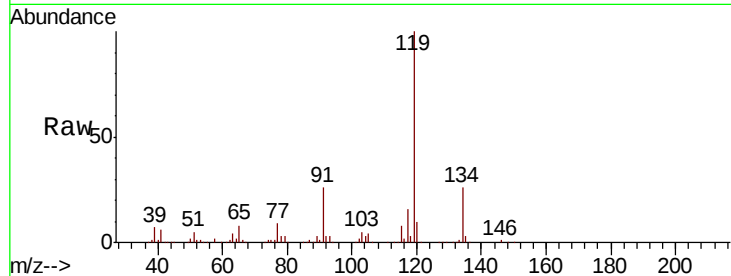
#81
p-Isopropyltoluene
Concen: 11.205 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	20.3	30.5
91	25.4	20.0	30.0

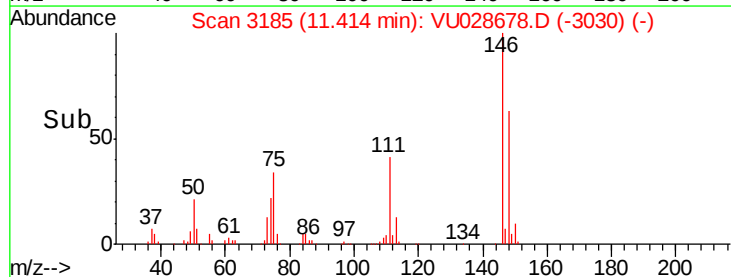
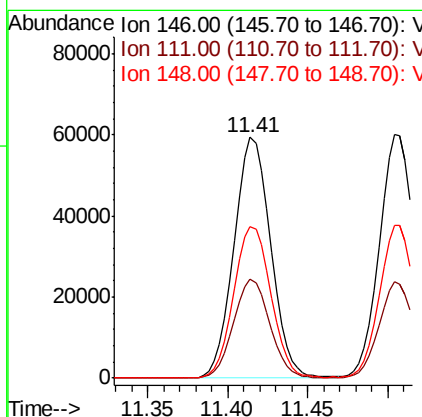
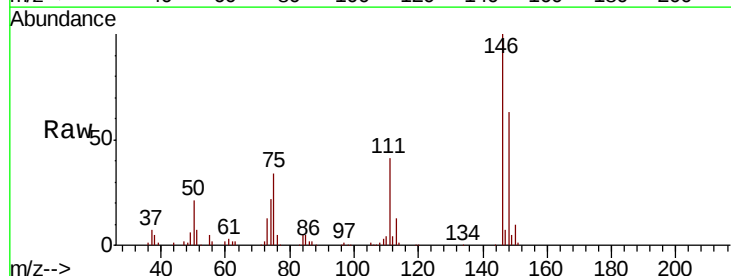
Manual Integrations
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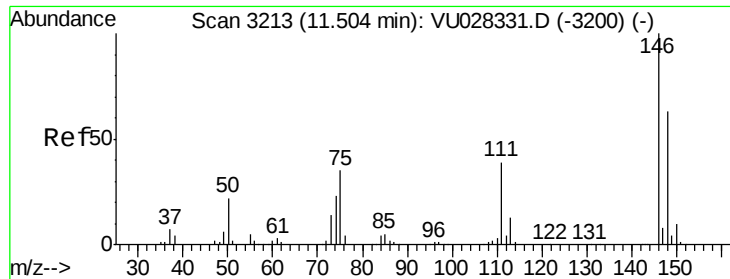
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#82
1,3-Dichlorobenzene
Concen: 11.357 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	33.4	50.2
148	63.7	51.2	76.8





#83

1,4-Dichlorobenzene

Concen: 11.429 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

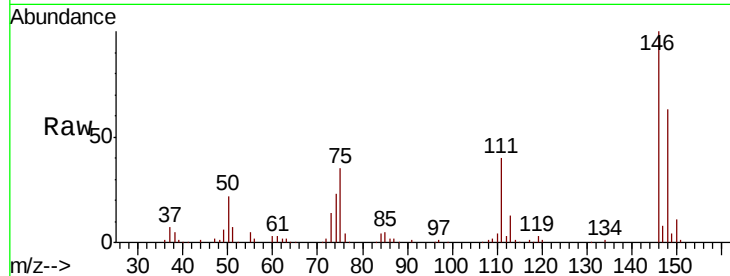
ClientSampleId :

VSTDCCC010EC

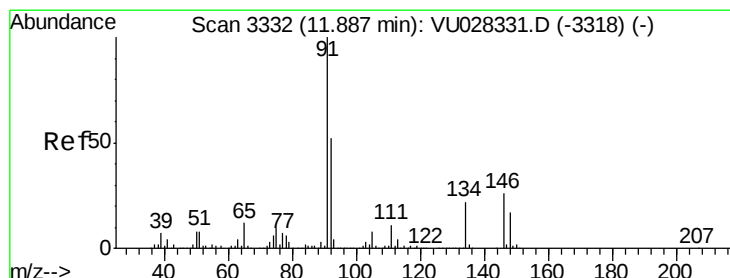
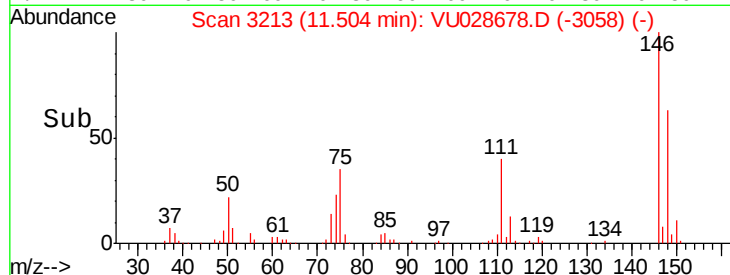
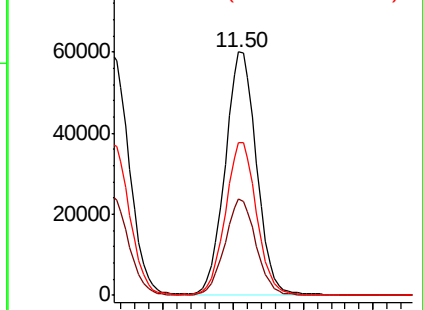
Tot Ion:	146	Resp:	93078
Ion	Ratio	Lower	Upper
146	100		
111	39.4	31.4	47.2
148	62.3	50.7	76.1

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 11.256 ug/l

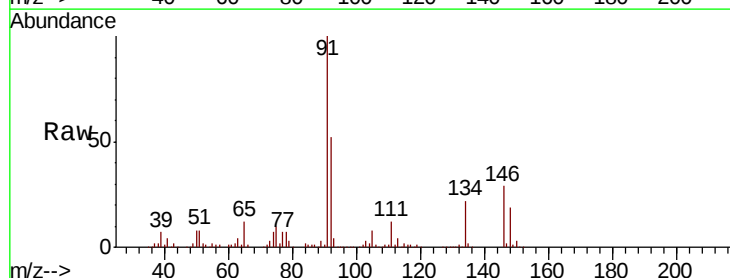
RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

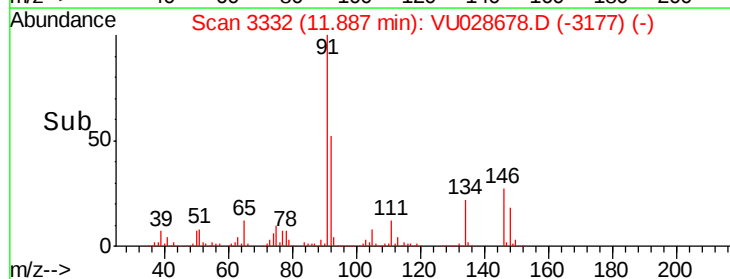
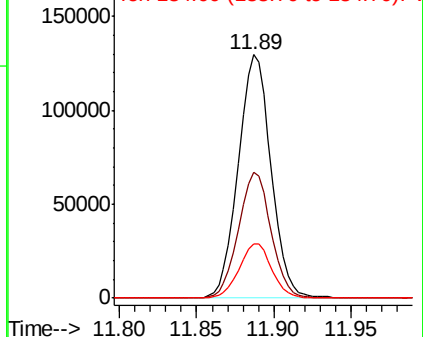
Lab File: VU028678.D

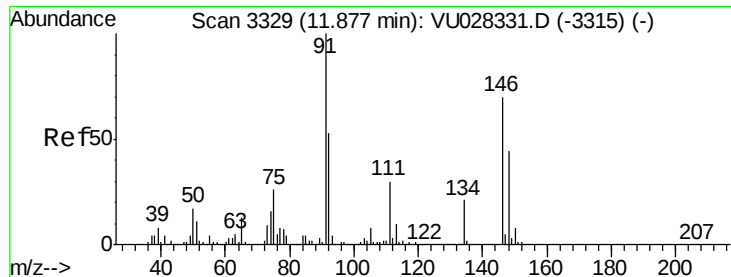
Acq: 13 Dec 2018 15:07

Tgt Ion:	91	Resp:	190898
Ion	Ratio	Lower	Upper
91	100		
92	51.5	41.6	62.4
134	22.2	17.8	26.6



Abundance Ion 91.00 (90.70 to 91.70): VU
Ion 92.00 (91.70 to 92.70): VU
Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 11.163 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_U

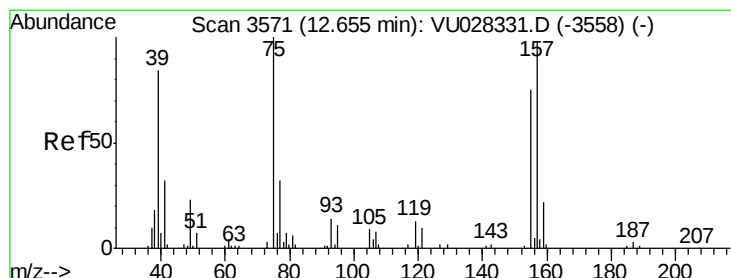
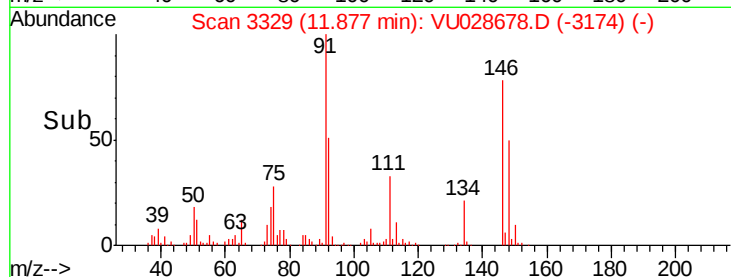
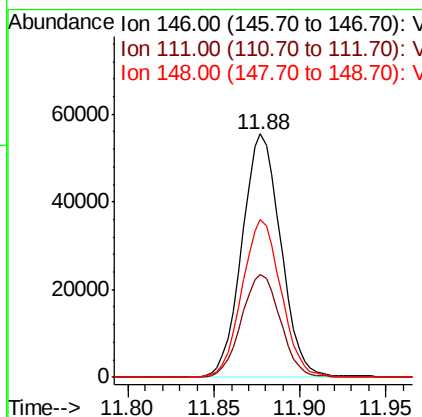
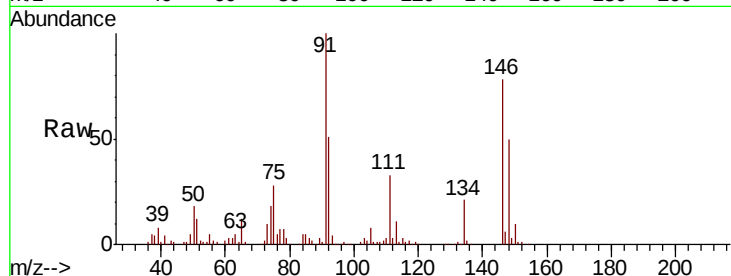
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	86939
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.4	64.3
148	65.5	31.4	94.2

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 10.224 ug/l

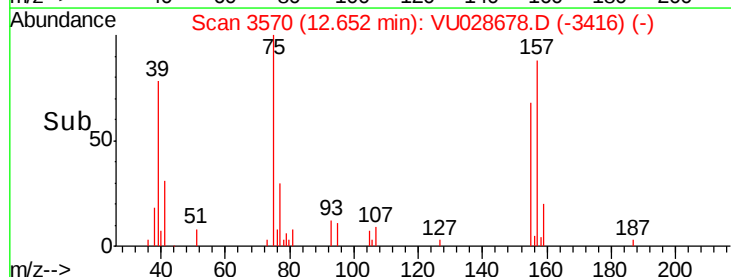
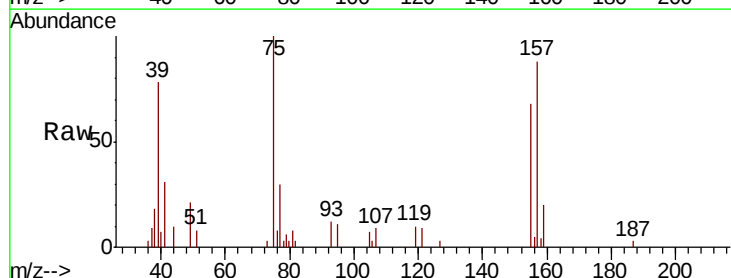
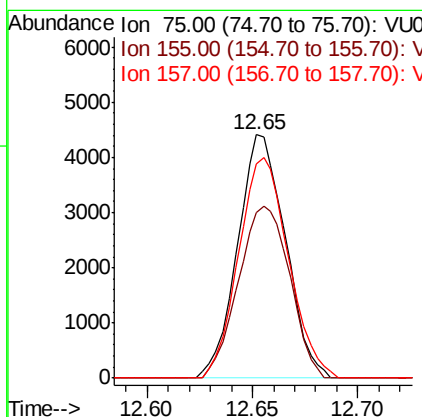
RT: 12.65 min Scan# 3570

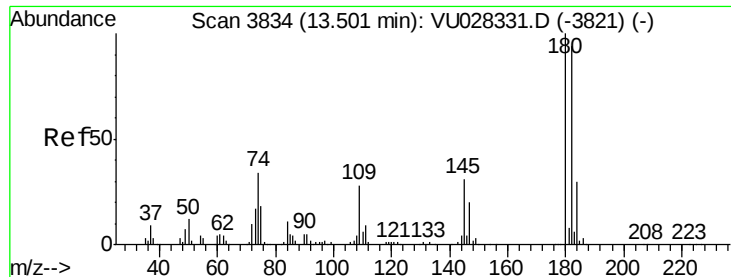
Delta R.T. -0.00 min

Lab File: VU028678.D

Acq: 13 Dec 2018 15:07

Tgt Ion:	75	Resp:	6940
Ion Ratio	Lower	Upper	
75	100		
155	75.6	57.0	85.4
157	94.6	75.4	113.2





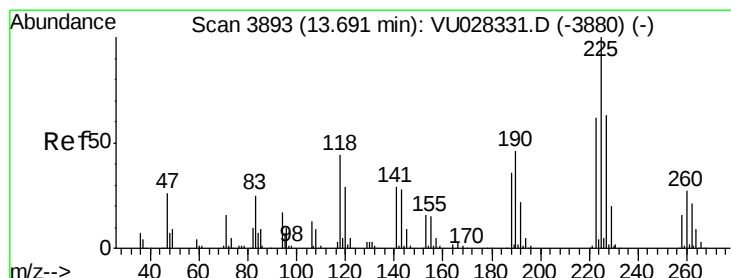
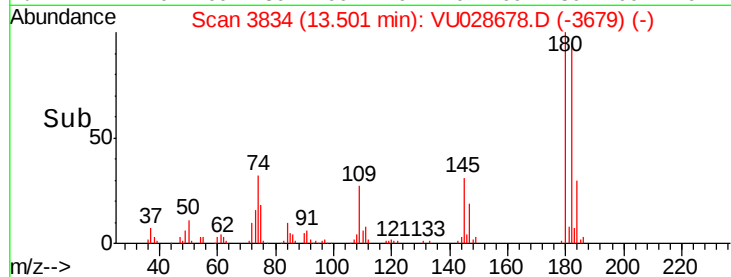
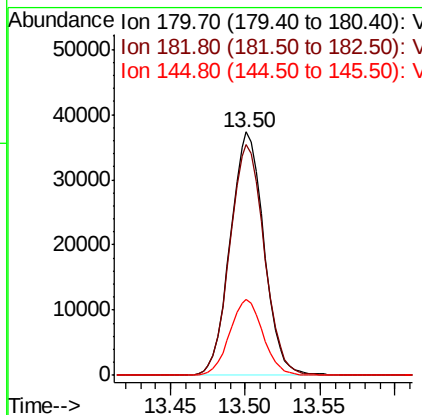
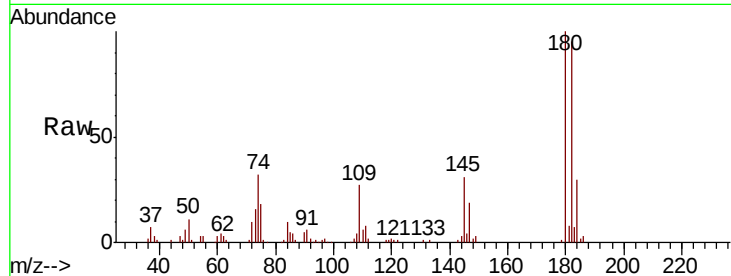
#87
 1,2,4-Trichlorobenzene
 Concen: 10.696 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Tot Ion:	180	Resp:	58557
Ion Ratio	Lower	Upper	
180	100		
182	96.8	75.6	113.4
145	30.8	24.4	36.6

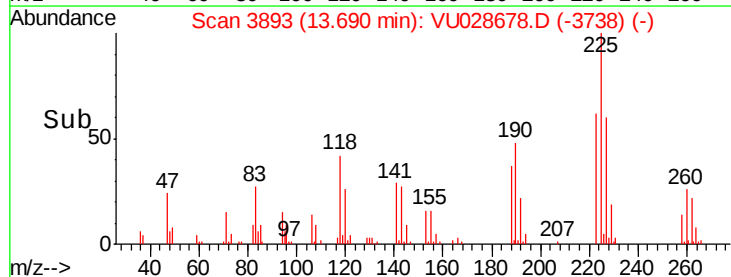
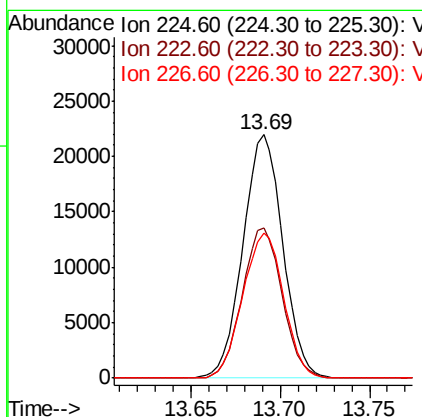
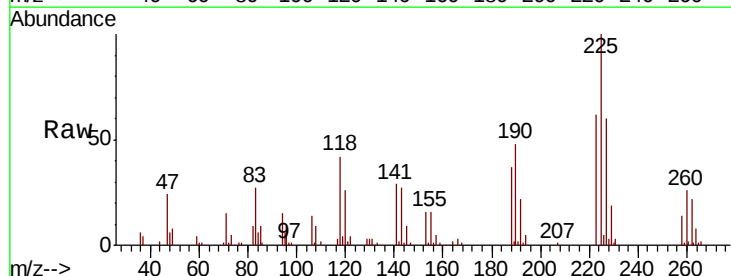
Manual Integrations
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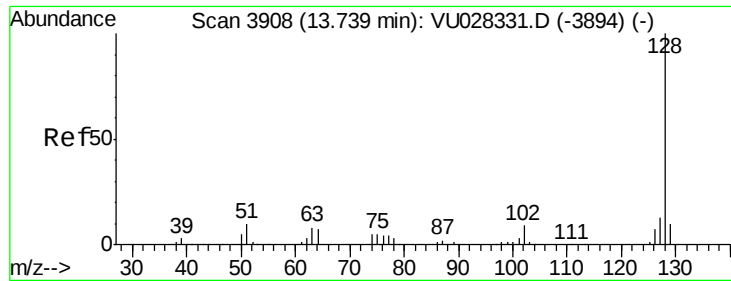
MMDadoda
 12/14/2018 9:32:37 AM



#88
 Hexachlorobutadiene
 Concen: 11.555 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028678.D
 Acq: 13 Dec 2018 15:07

Tgt Ion:	225	Resp:	34228
Ion Ratio	Lower	Upper	
225	100		
223	61.7	50.6	76.0
227	60.9	50.8	76.2





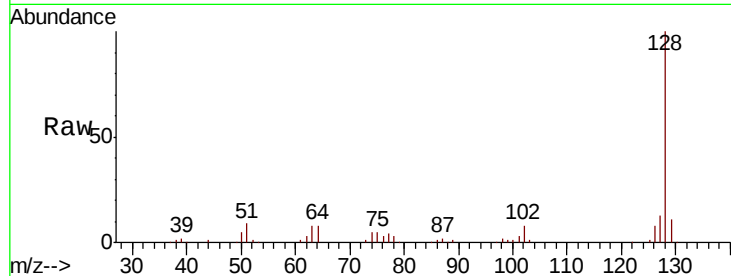
#89
Naphthalene
Concen: 10.803 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.2	12.4

Manual Integrations
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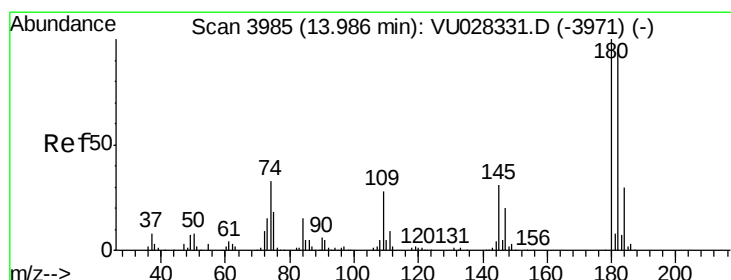
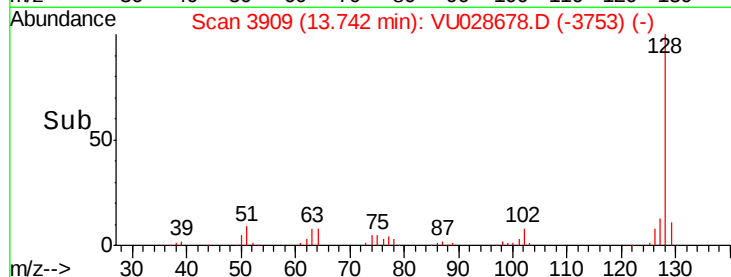
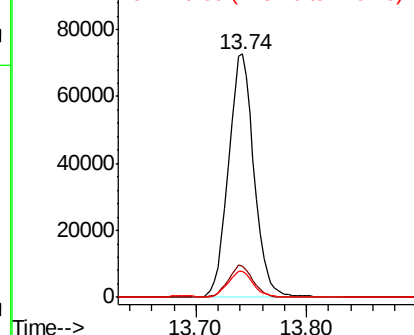


Abundance

Ion 128.00 (127.70 to 128.70): V

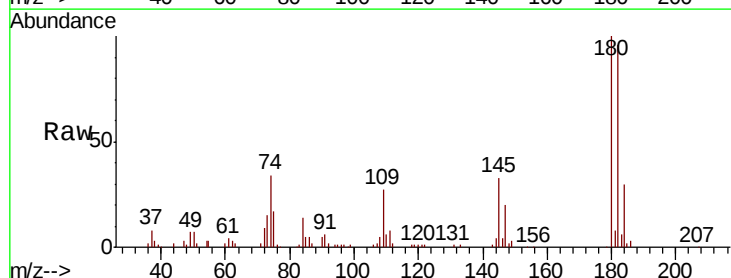
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 10.843 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU028678.D
Acq: 13 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.1	114.1
145	32.3	26.0	39.0



Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

