

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071119\
 Data File : VU033197.D
 Acq On : 11 Jul 2019 17:47
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

Quant Time: Jul 12 04:46:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 04:10:37 2019
 Response via : Initial Calibration

MMDadoda
 7/16/2019 4:03:15 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	31362	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	11932	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	12617	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	22954	1.760	ug/l	100
3) Chloromethane	1.32	50	28222	1.900	ug/l	99
4) Vinyl Chloride	1.40	62	28751	1.823	ug/l	98
5) Bromomethane	1.62	94	17150	1.953	ug/l	95
6) Chloroethane	1.69	64	17580	1.776	ug/l	99
7) Trichlorofluoromethane	1.87	101	39108	1.830	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	19366	1.794	ug/l	99
9) 1,1-Dichloroethene	2.27	96	19183	1.753	ug/l	97
10) Iodomethane	2.40	142	17509	1.198	ug/l	97
11) Allyl Chloride	2.58	41	33298	1.766	ug/l	99
12) Acrylonitrile	2.92	53	11931	3.913	ug/l	98
13) Acetone	2.31	43	24976	9.257	ug/l	100
14) Carbon Disulfide	2.46	76	72642	1.793	ug/l	98
15) Methylene Chloride	2.68	84	26286	1.864	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	22697	1.803	ug/l	95
17) 1,1-Dichloroethane	3.42	63	34058	1.839	ug/l	99
18) 2-Butanone	4.25	43	25737	10.645	ug/l	97
19) Cyclohexane	4.96	56	23753m	1.700	ug/l	
20) Methylcyclohexane	6.39	83	24286	1.752	ug/l	99
21) 2,2-Dichloropropane	4.20	77	28272	1.750	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	18656	1.817	ug/l	97
23) Diethyl Ether	2.09	59	16814	1.820	ug/l	96
24) tert-Butyl Alcohol	2.82	59	21503	18.279	ug/l	100
25) Methyl tert-Butyl Ether	2.98	73	59675	1.914	ug/l	100
26) Bromochloromethane	4.52	128	8452	1.848	ug/l	96
27) Chloroform	4.65	83	36649	1.773	ug/l	94
28) 1,1,1-Trichloroethane	4.89	97	28435	1.756	ug/l	97
29) 1,1-Dichloropropene	5.11	75	24258	1.810	ug/l	99
30) Carbon Tetrachloride	5.11	117	25446	1.757	ug/l	91
31) Isopropyl Ether	3.56	45	42253	1.727	ug/l	95
32) Ethyl-t-butyl ether	4.05	59	42531	1.823	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	39014	1.855	ug/l	97
34) Propionitrile	4.32	54	7323	10.462	ug/l #	91
35) Benzene	5.37	78	69843	1.792	ug/l	100
36) 1,2-Dichloroethane	5.39	62	22780	1.810	ug/l	98
37) Trichloroethene	6.16	130	17966	1.786	ug/l	93
38) 1,2-Dichloropropane	6.41	63	18973	1.767	ug/l	99
39) Methacrylonitrile	4.54	41	5291m	1.822	ug/l	
40) Methyl acrylate	4.41	55	8373	1.911	ug/l #	95
41) Tetrahydrofuran	4.63	42	6102	4.120	ug/l	98
42) 1-Chlorobutane	5.04	56	32822	1.802	ug/l	99

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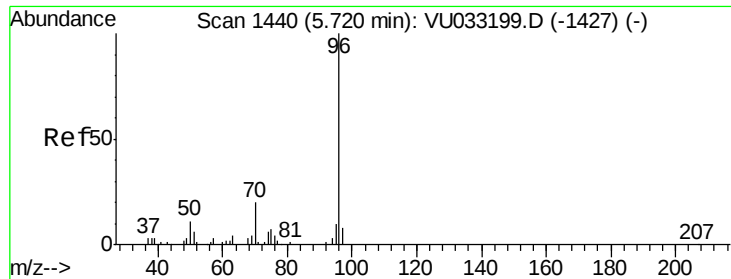
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	10274	1.824	ug/l	99
44) Bromodichloromethane	6.74	83	25191	1.797	ug/l	98
45) 4-Methyl-2-Pentanone	7.45	43	57910	9.693	ug/l	97
46) t-1,4-Dichloro-2-butene	10.50	75	10548m	3.910	ug/l	
47) Methyl methacrylate	6.61	69	16631	3.806	ug/l	98
48) Ethyl methacrylate	8.00	69	14650	1.811	ug/l	95
49) Toluene	7.62	92	40826	1.778	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	22508	1.861	ug/l	98
51) cis-1,3-Dichloropropene	7.25	75	25775	1.813	ug/l	97
52) 1,1,2-Trichloroethane	8.05	97	14800	1.906	ug/l	98
53) 1,3-Dichloropropane	8.22	76	24069	1.845	ug/l	100
54) 2-Hexanone	8.35	43	39888	9.803	ug/l	96
55) Dibromochloromethane	8.46	129	16531	1.823	ug/l	97
56) 1,2-Dibromoethane	8.57	107	13316	1.876	ug/l	98
58) Tetrachloroethene	8.21	164	16914	1.835	ug/l	98
59) Chlorobenzene	9.10	112	46051	1.801	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.19	131	17444	1.782	ug/l	99
61) Pentachloroethane	11.08	117	13843	1.741	ug/l	94
62) Hexachloroethane	12.13	117	12633	1.655	ug/l	99
63) Ethyl Benzene	9.23	91	71917	1.708	ug/l	98
64) m/p-Xylenes	9.36	106	57192	3.485	ug/l	97
65) o-Xylene	9.76	106	28021	1.778	ug/l	99
66) Styrene	9.78	104	45737	1.724	ug/l	98
67) Bromoform	9.94	173	9615	1.937	ug/l	96
69) Isopropylbenzene	10.15	105	72209	1.755	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.44	83	19527	1.901	ug/l	98
71) 1,2,3-Trichloropropane	10.48	75	14298m	1.934	ug/l	
72) Bromobenzene	10.44	156	19843	1.889	ug/l	98
73) n-propylbenzene	10.57	120	21103	1.844	ug/l	97
74) 2-Chlorotoluene	10.65	126	19175	1.833	ug/l	96
75) 1,3,5-Trimethylbenzene	10.76	105	62544	1.716	ug/l	97
76) 4-Chlorotoluene	10.76	126	19492	1.778	ug/l	99
77) tert-Butylbenzene	11.08	119	59692	1.718	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	62812	1.701	ug/l	98
79) sec-Butylbenzene	11.31	105	82236	1.731	ug/l	100
80) Nitrobenzene	12.86	77	2895m	11.392	ug/l	
81) p-Isopropyltoluene	11.46	119	66083	1.728	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	39826	1.805	ug/l	98
83) 1,4-Dichlorobenzene	11.49	146	38883	1.788	ug/l	99
84) n-Butylbenzene	11.87	91	64704	1.732	ug/l	97
85) 1,2-Dichlorobenzene	11.86	146	37918	1.856	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	3138	1.979	ug/l	99
87) 1,2,4-Trichlorobenzene	13.49	180	22106	1.965	ug/l	98
88) Hexachlorobutadiene	13.68	225	13357	1.830	ug/l	98
89) Naphthalene	13.73	128	38454	2.036	ug/l	100
90) 1,2,3-Trichlorobenzene	13.97	180	21160	1.934	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

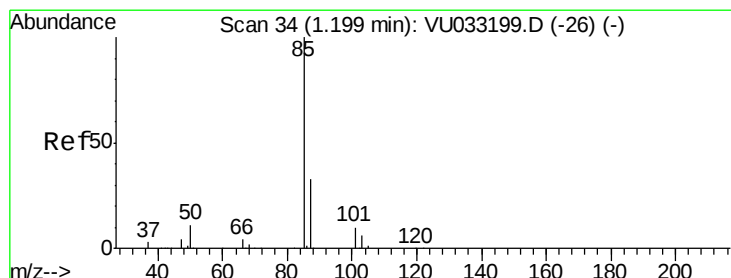
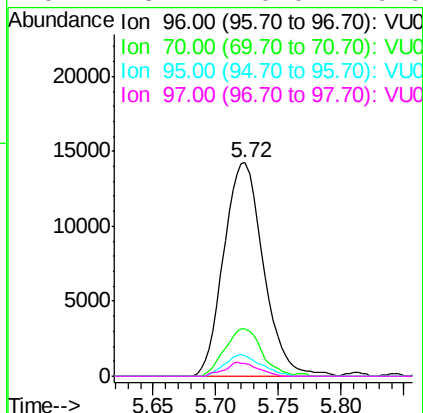
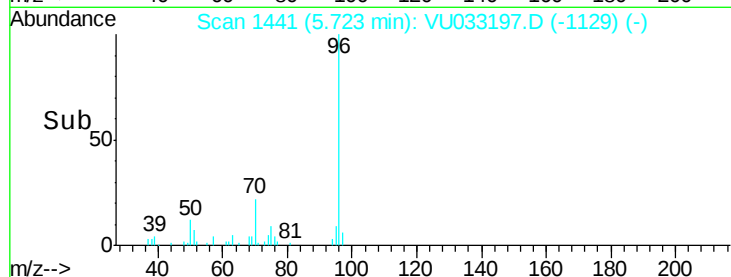
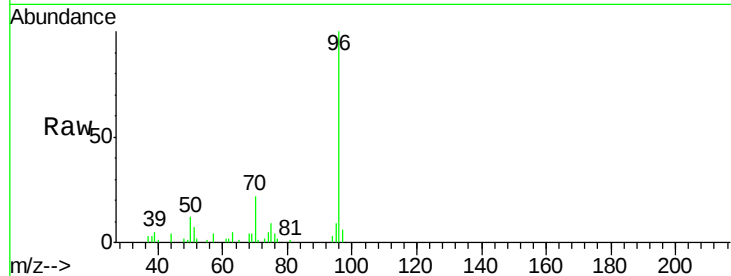
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	31362
Ion	Ratio	Lower	Upper
96	100		
70	19.7	16.2	24.4
95	9.1	7.8	11.8
97	5.4	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.760 ug/l

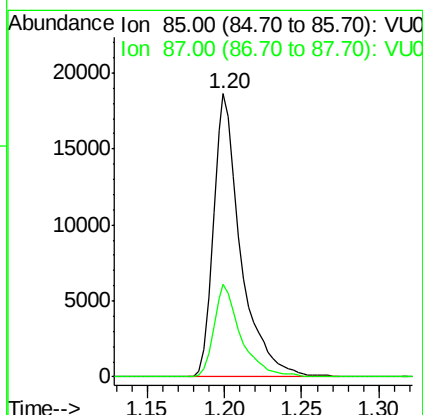
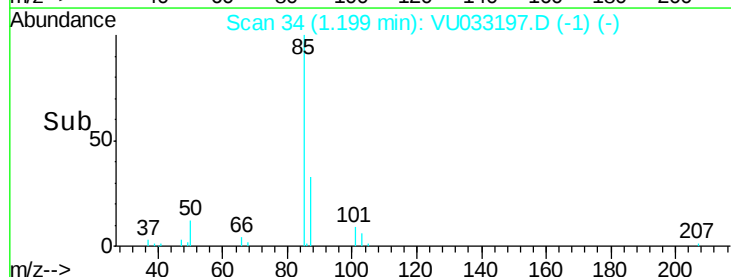
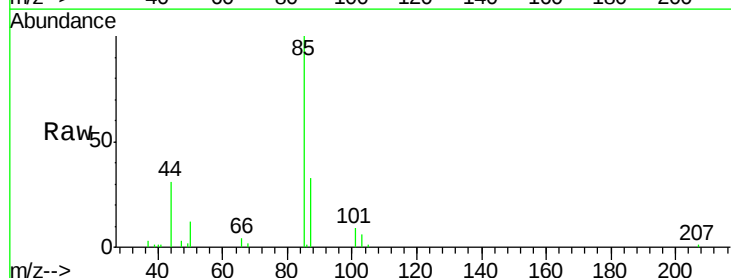
RT: 1.20 min Scan# 34

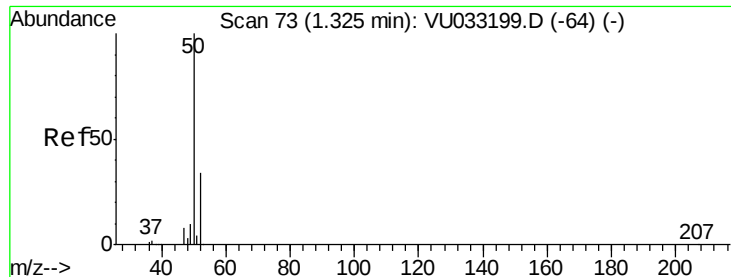
Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Tgt Ion:	85	Resp:	22954
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.4	49.1





#3

Chloromethane

Concen: 1.900 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Tot Ion: 50 Resp: 28222

Ion Ratio Lower Upper

50 100

52 33.1 27.0 40.4

Instrument :

MSVOA_U

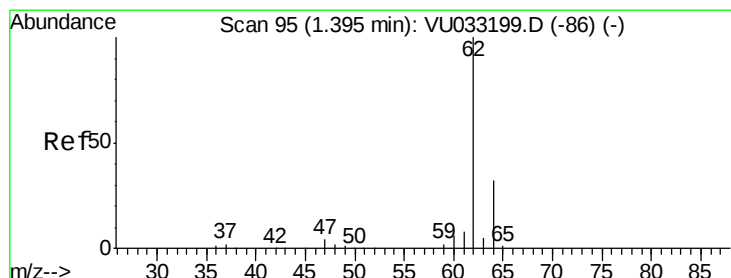
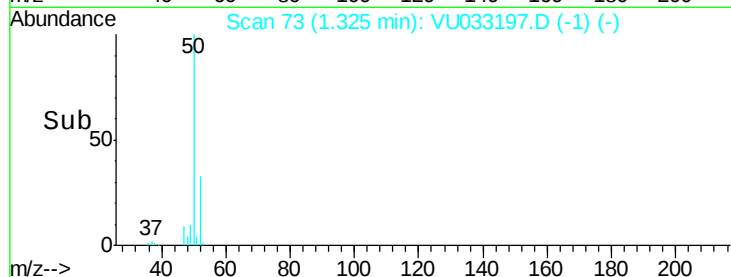
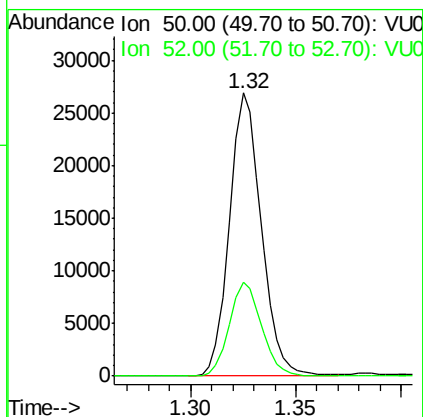
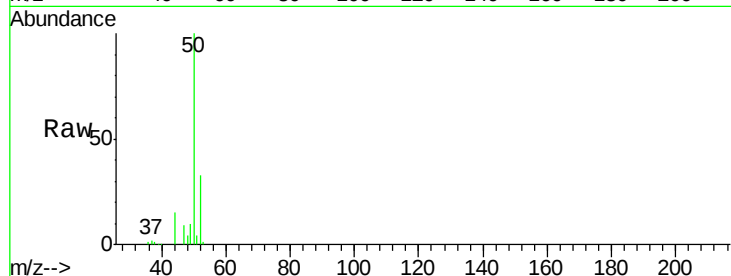
ClientSampleId :

VSTDIC002

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#4

Vinyl Chloride

Concen: 1.823 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033197.D

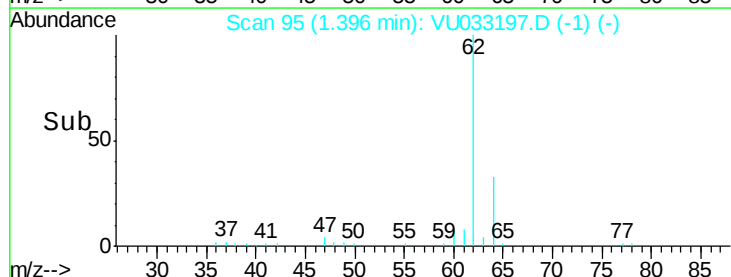
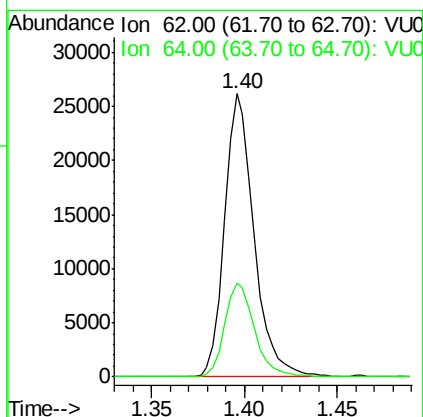
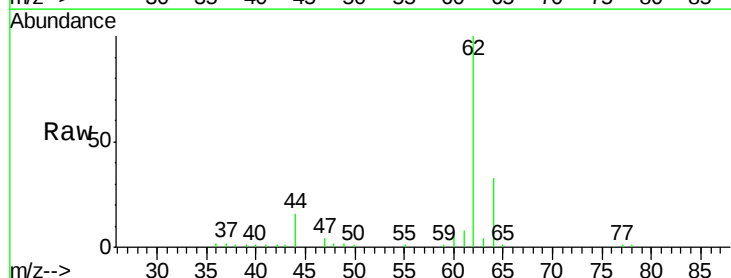
Acq: 11 Jul 2019 17:47

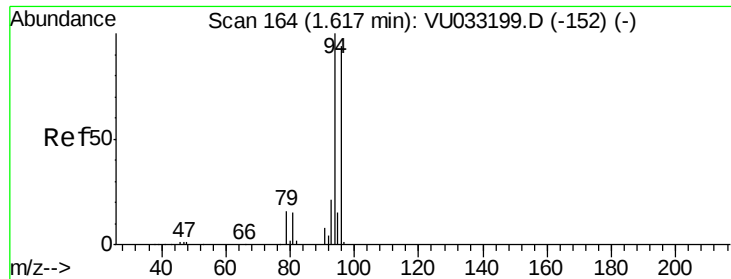
Tgt Ion: 62 Resp: 28751

Ion Ratio Lower Upper

62 100

64 33.1 25.7 38.5





#5

Bromomethane

Concen: 1.953 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 94 Resp: 17150

Ion Ratio Lower Upper

94 100

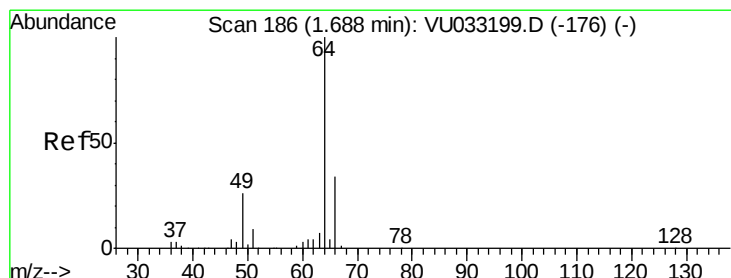
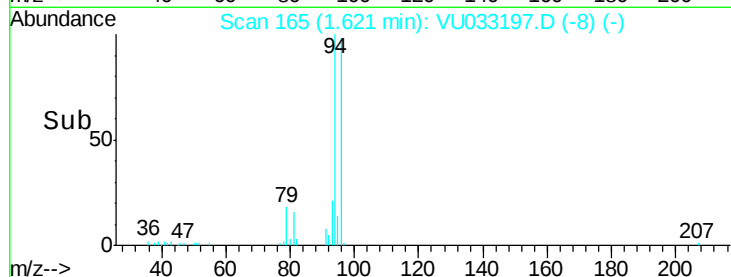
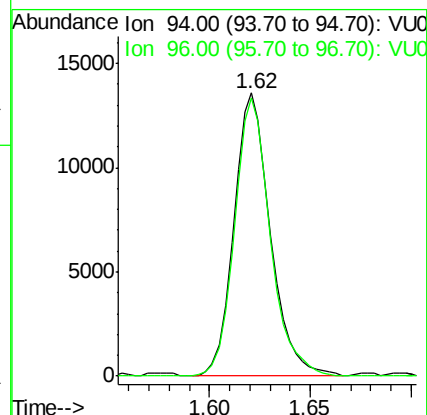
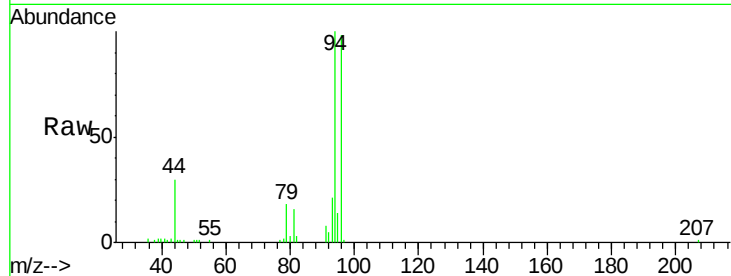
96 98.2 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 1.776 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033197.D

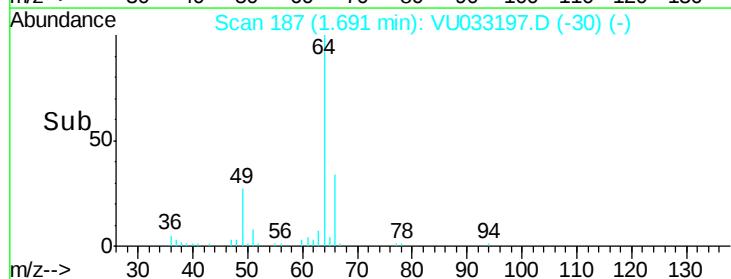
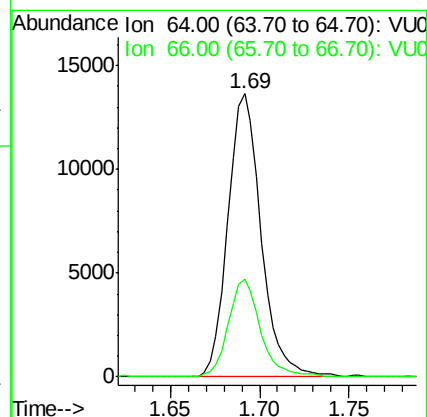
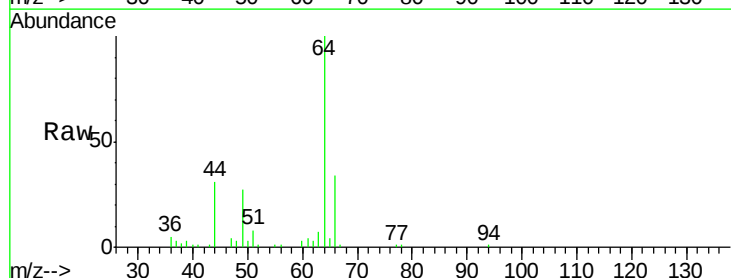
Acq: 11 Jul 2019 17:47

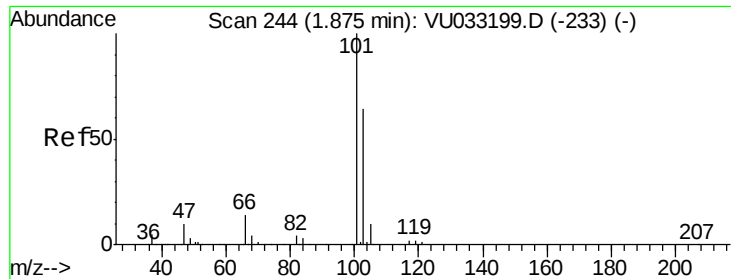
Tgt Ion: 64 Resp: 17580

Ion Ratio Lower Upper

64 100

66 34.4 27.0 40.4





#7

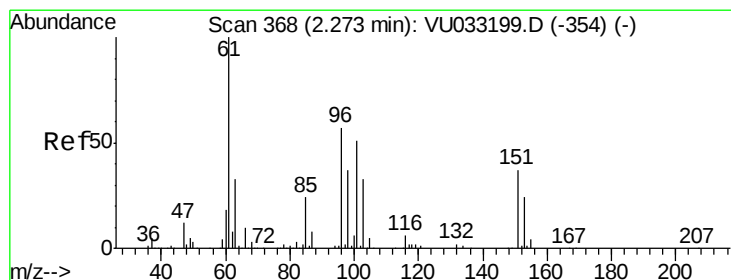
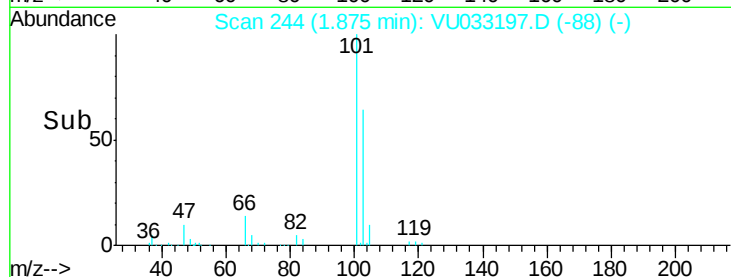
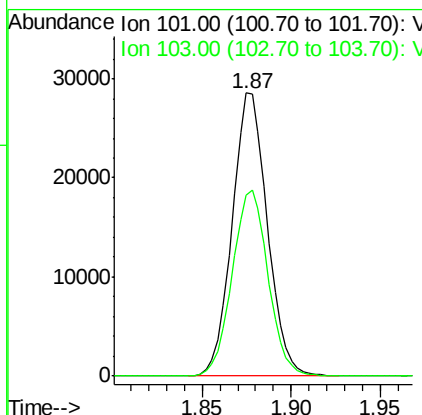
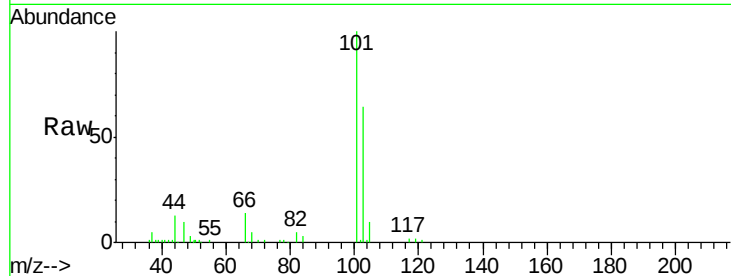
Trichlorofluoromethane
Concen: 1.830 ug/l
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.0	76.6

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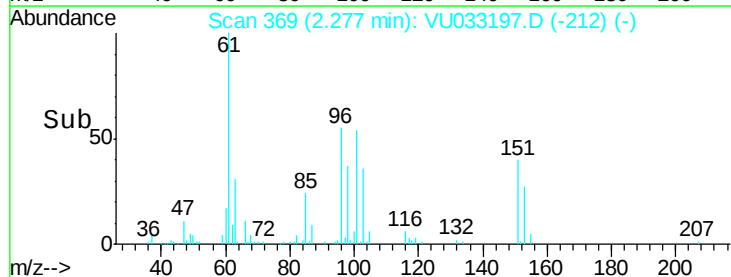
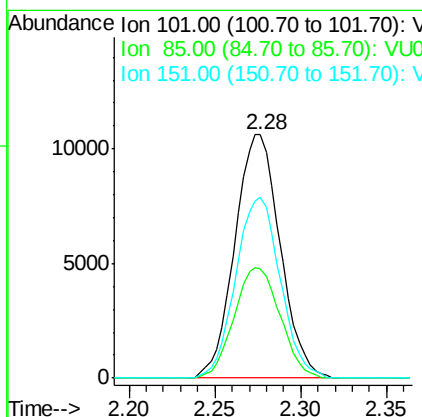
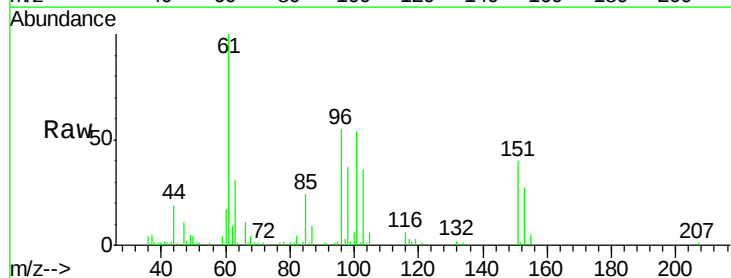
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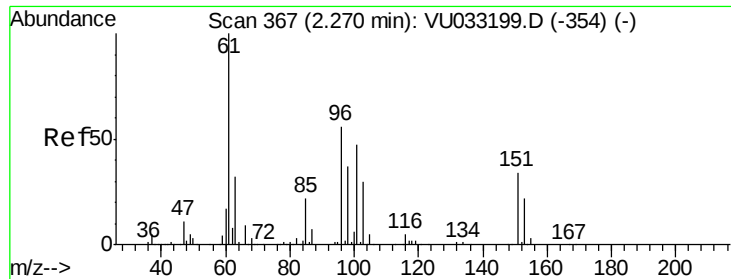


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.794 ug/l
RT: 2.28 min Scan# 369
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.1	37.7	56.5
151	73.0	58.2	87.2





#9

1,1-Dichloroethene

Concen: 1.753 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

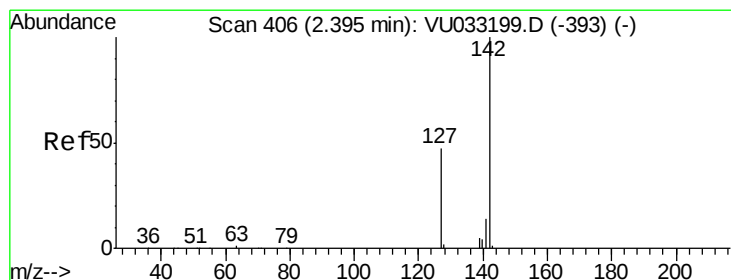
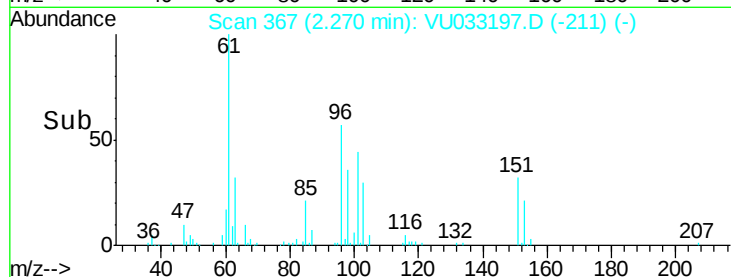
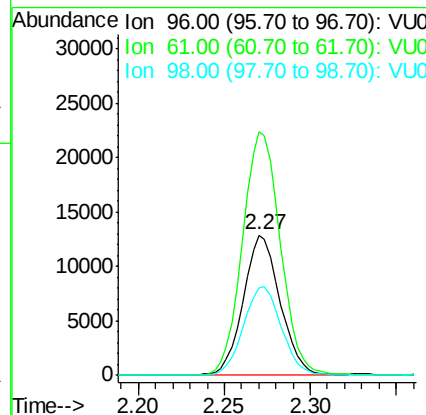
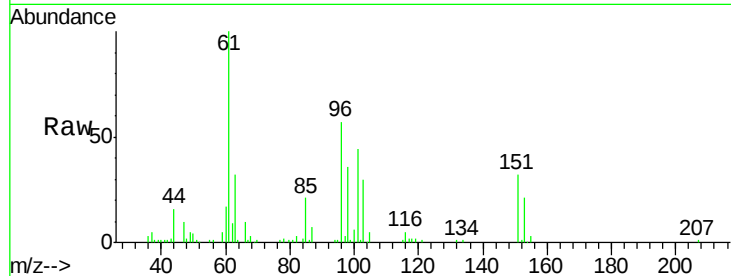
VSTDIC002

Tot Ion:	96	Resp:	19183
Ion	Ratio	Lower	Upper
96	100		
61	174.0	0.0	533.7
98	62.4	0.0	129.8

Manual Integrations
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#10

Iodomethane

Concen: 1.198 ug/l

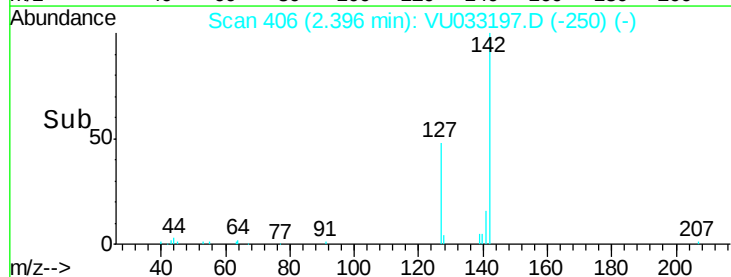
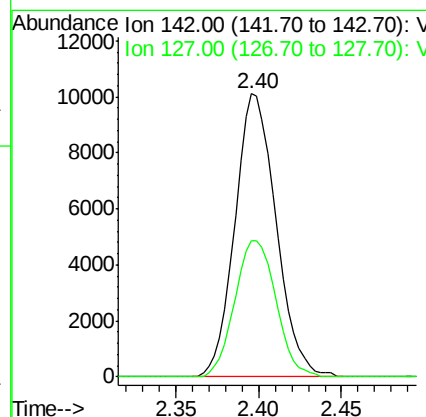
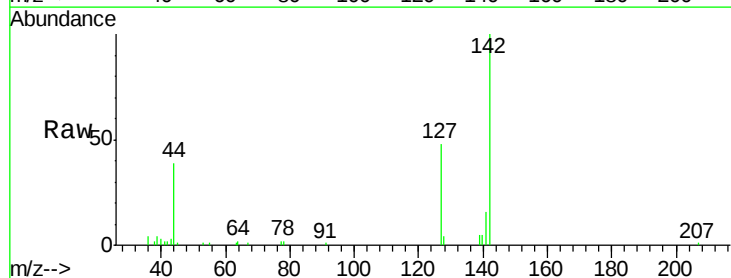
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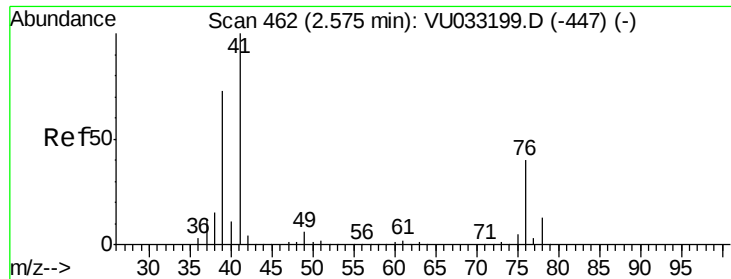
Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Tgt Ion:	142	Resp:	17509
Ion	Ratio	Lower	Upper
142	100		
127	48.1	37.0	55.4





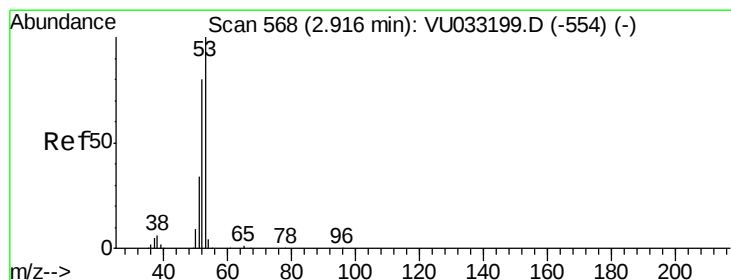
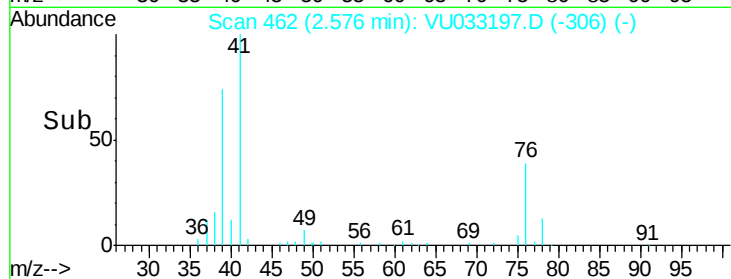
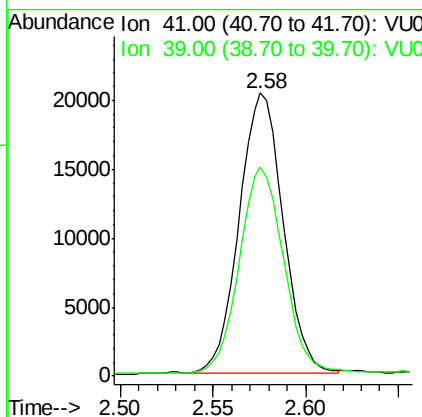
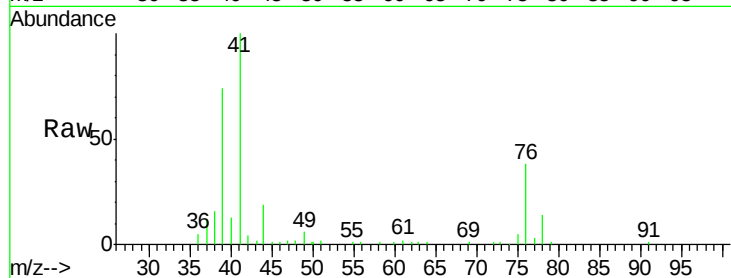
#11
Allvl Chloride
Concen: 1.766 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 41 Resp: 33298
Ion Ratio Lower Upper
41 100
39 74.0 58.7 88.1

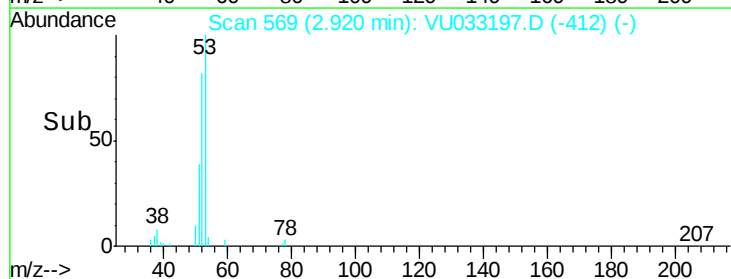
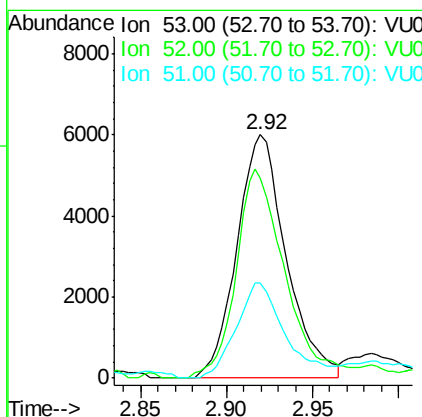
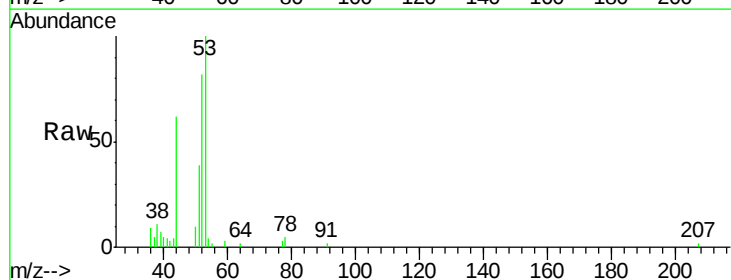
Manual Integrations
APPROVED

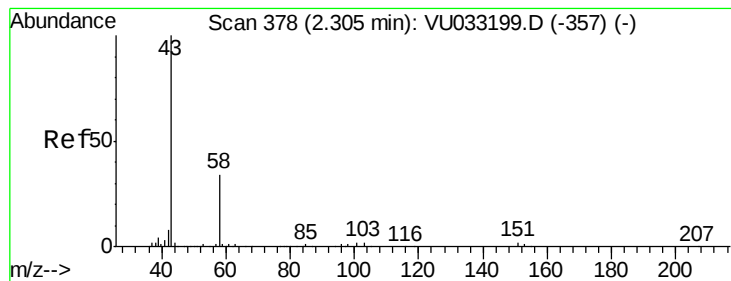
MMDadoda
7/16/2019 4:03:15 PM



#12
Acrylonitrile
Concen: 3.913 ug/l
RT: 2.92 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion: 53 Resp: 11931
Ion Ratio Lower Upper
53 100
52 84.9 68.3 102.5
51 38.6 28.7 43.1





#13

Acetone

Concen: 9.257 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Tot Ion: 43 Resp: 24976

Ion Ratio Lower Upper

43 100

58 33.9 27.1 40.7

Instrument :

MSVOA_U

ClientSampleId :

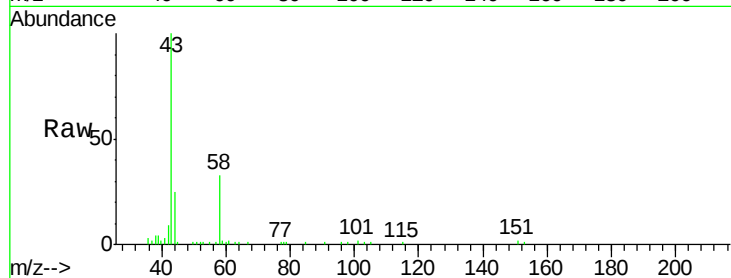
VSTDIC002

Manual Integrations

APPROVED

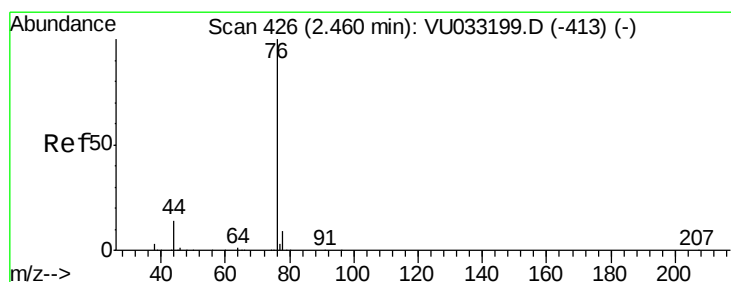
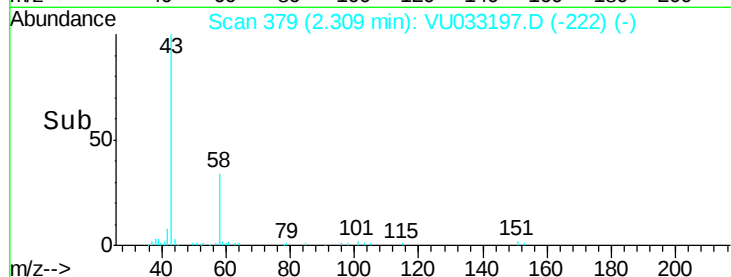
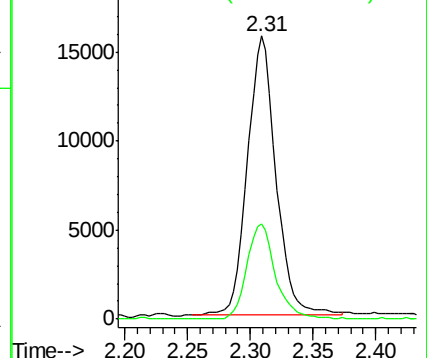
MMDadoda

7/16/2019 4:03:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 1.793 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033197.D

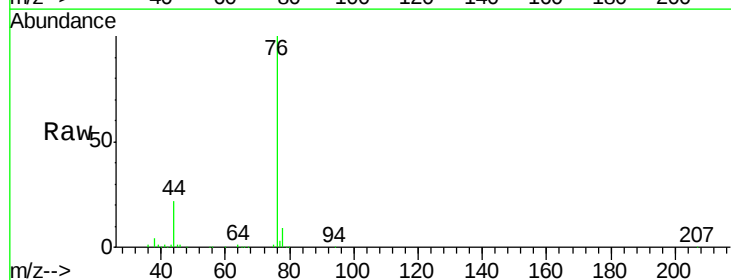
Acq: 11 Jul 2019 17:47

Tgt Ion: 76 Resp: 72642

Ion Ratio Lower Upper

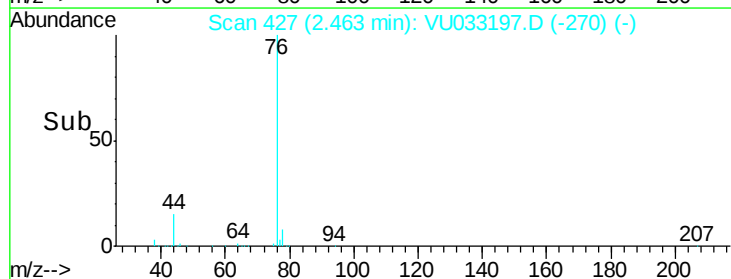
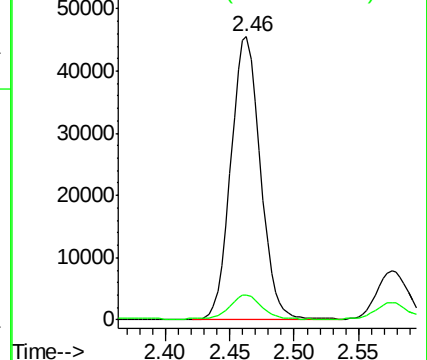
76 100

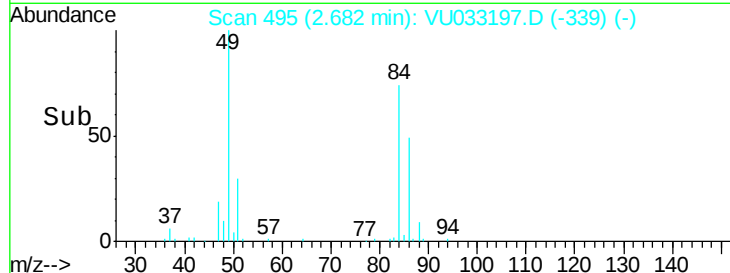
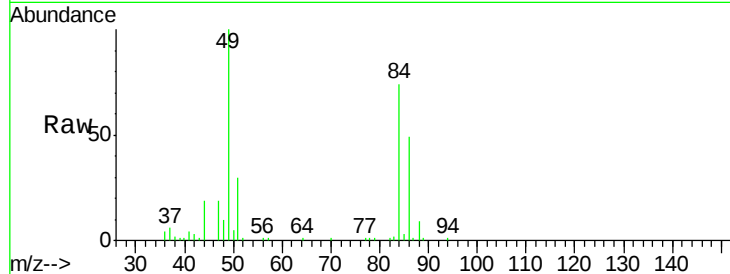
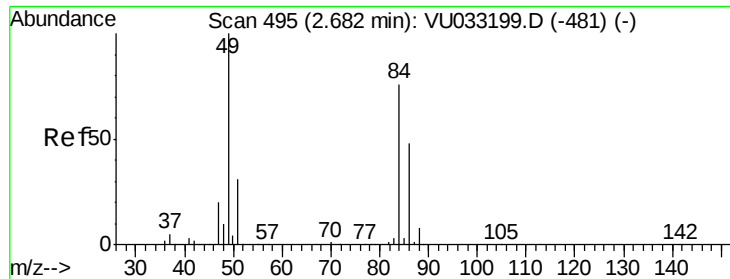
78 8.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





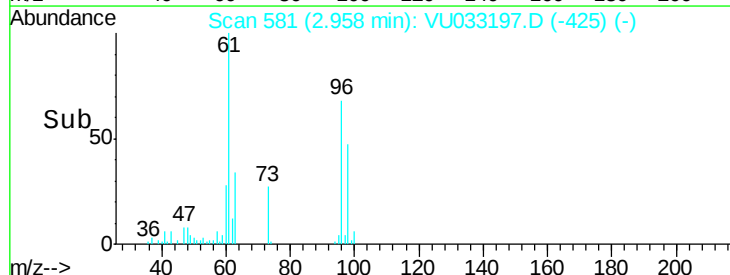
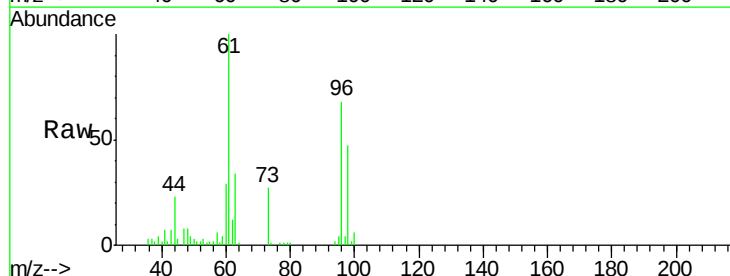
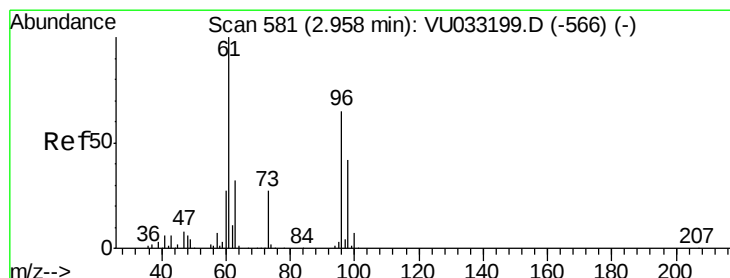
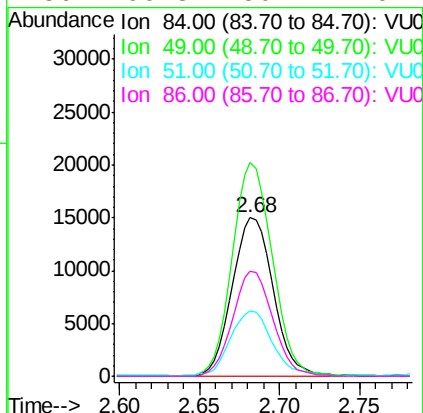
#15
Methvlene Chloride
Concen: 1.864 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tot Ion:	84	Resp:	26286
Ion	Ratio	Lower	Upper
84	100		
49	134.6	105.8	158.8
51	40.9	0.0	82.0
86	66.3	50.7	76.1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

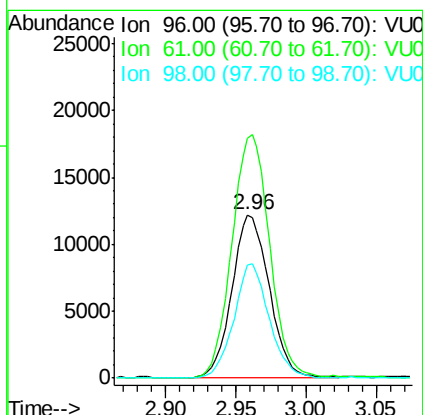
Manual Integrations
APPROVED

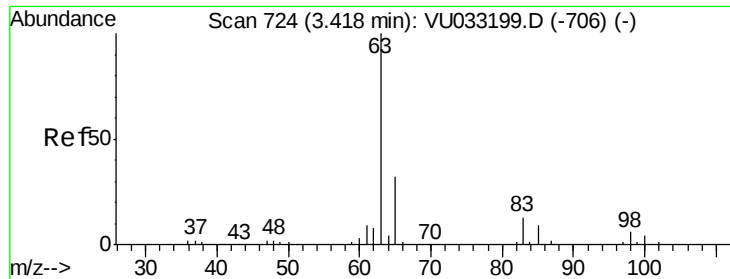
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 1.803 ug/l
RT: 2.96 min Scan# 581
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion:	96	Resp:	22697
Ion	Ratio	Lower	Upper
96	100		
61	147.2	122.6	184.0
98	69.4	52.0	78.0





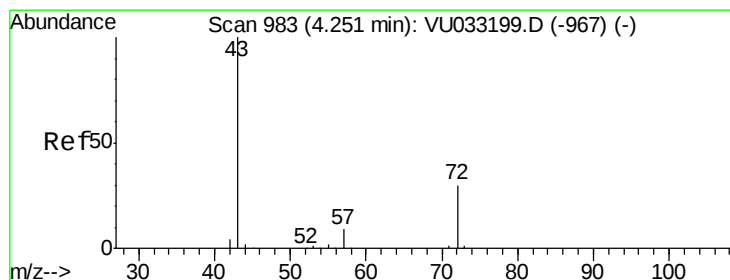
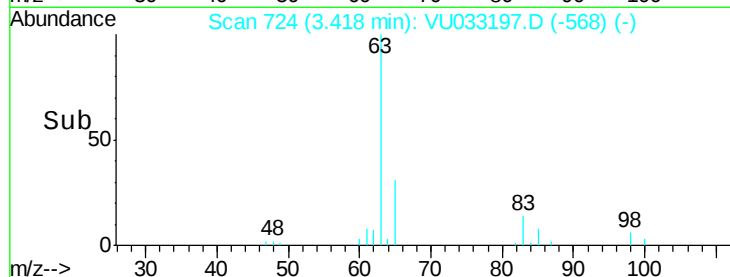
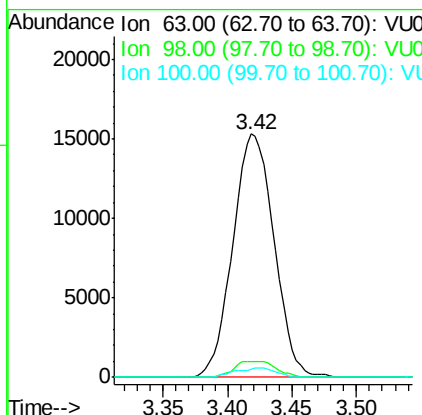
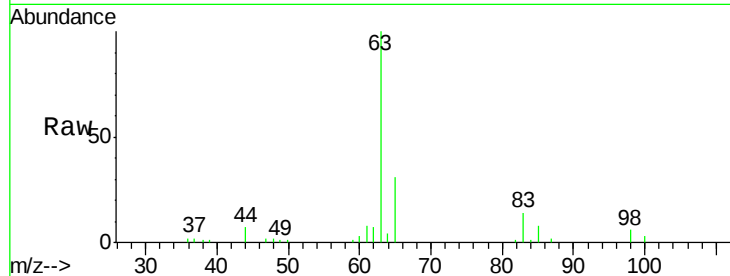
#17
 1,1-Dichloroethane
 Concen: 1.839 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:	63	Resp:	34058
Ion Ratio	Lower	Upper	
63	100		
98	6.3	3.3	9.8
100	3.3	1.8	5.4

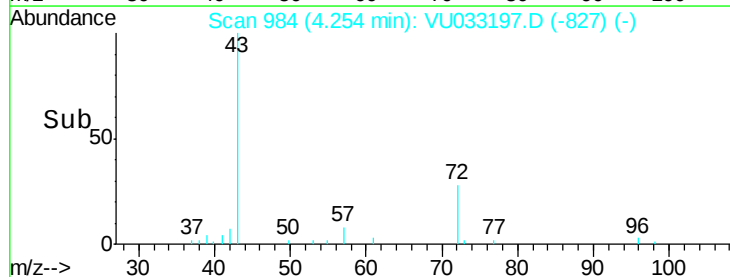
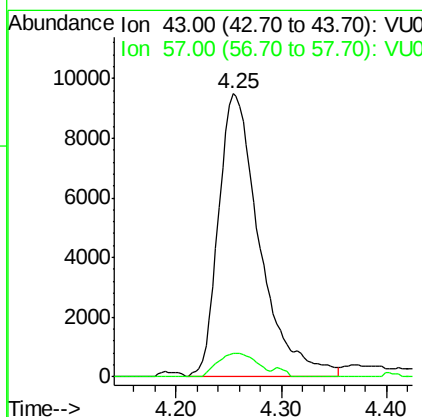
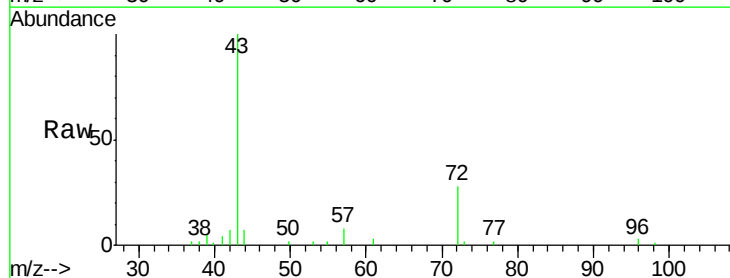
Manual Integrations
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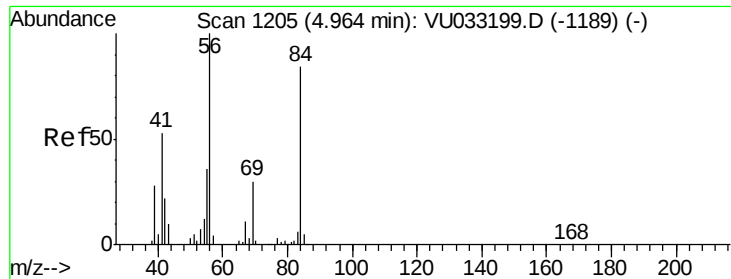
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#18
 2-Butanone
 Concen: 10.645 ug/l
 RT: 4.25 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Tgt Ion:	43	Resp:	25737
Ion Ratio	Lower	Upper	
43	100		
57	8.1	0.0	18.4





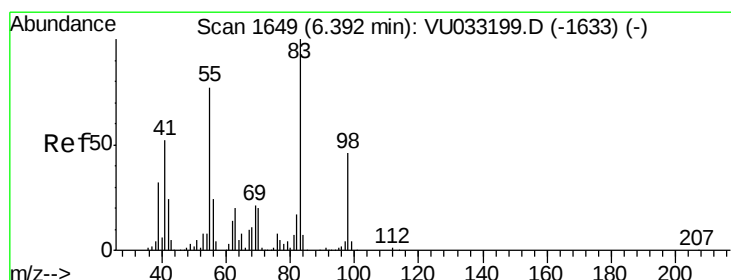
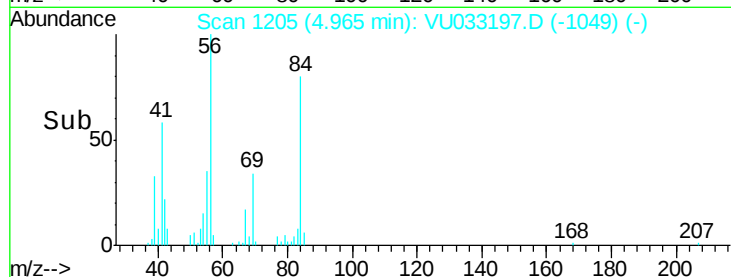
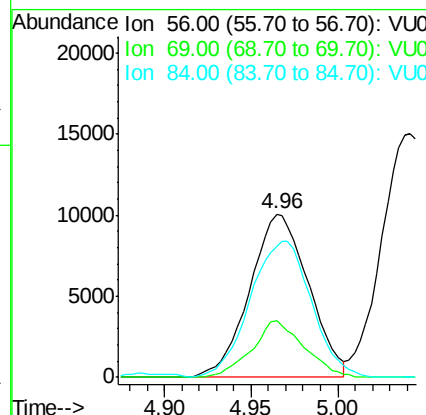
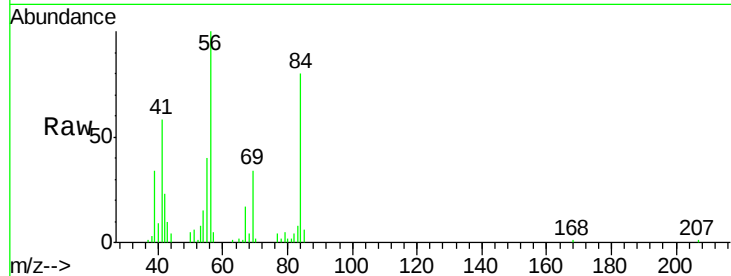
#19
Cyclohexane
Concen: 1.700 ug/l m
RT: 4.96 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.6	37.0
84	87.1	67.5	101.3

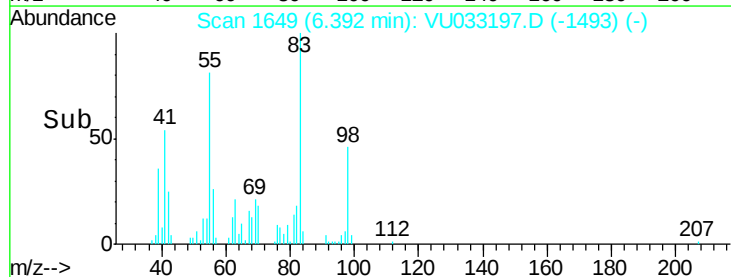
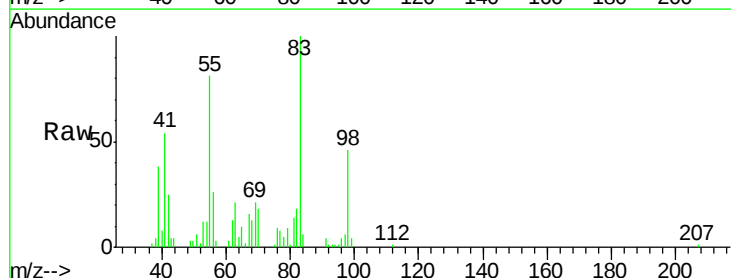
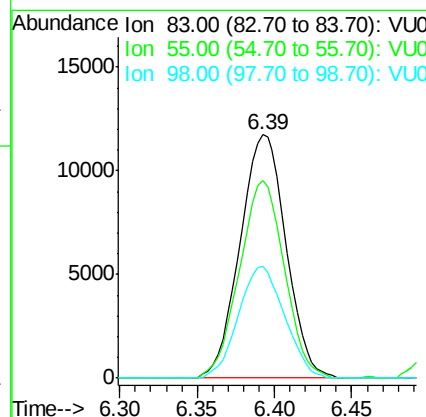
Manual Integrations
APPROVED

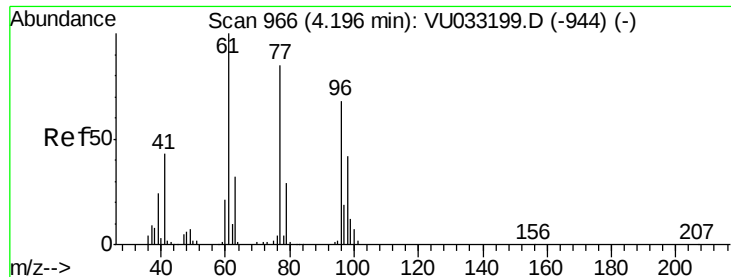
MMDadoda
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#20
Methylcyclohexane
Concen: 1.752 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.1	62.0	93.0
98	45.8	36.3	54.5





#21

2,2-Dichloropropane

Concen: 1.750 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

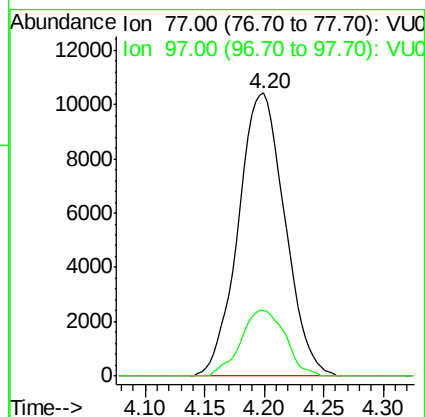
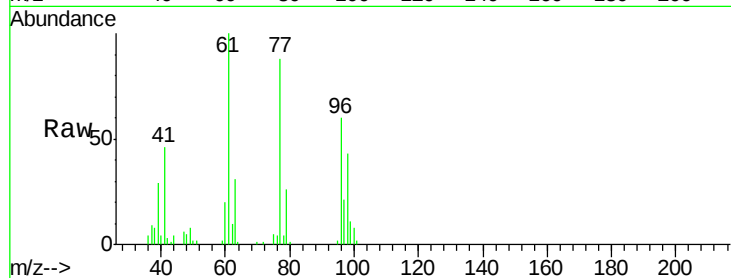
Tot Ion: 77 Resp: 28272

Ion Ratio Lower Upper

77 100

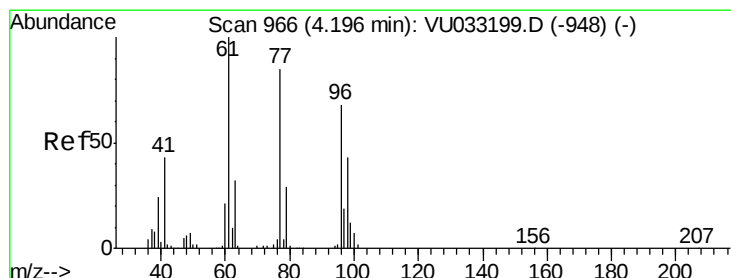
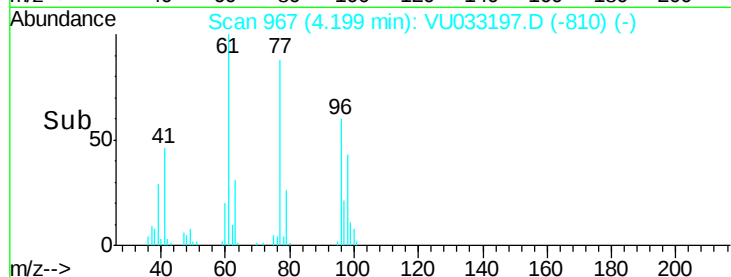
97 22.3 17.6 26.4

Manual Integrations
APPROVED



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#22

cis-1,2-Dichloroethene

Concen: 1.817 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

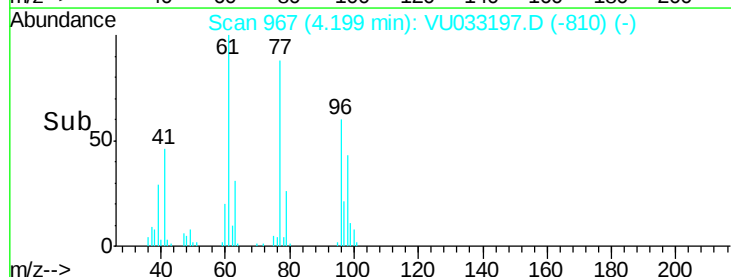
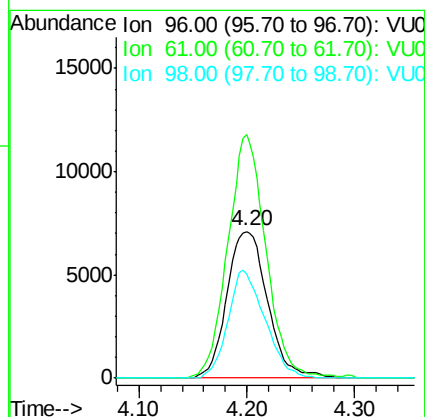
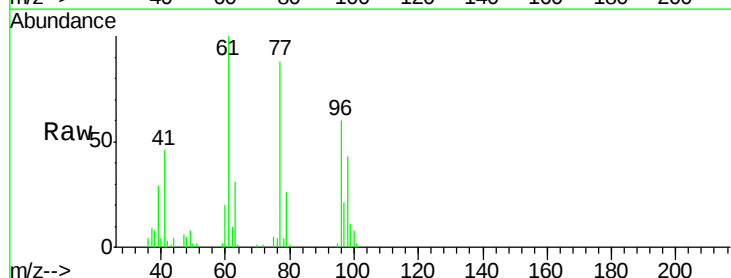
Tgt Ion: 96 Resp: 18656

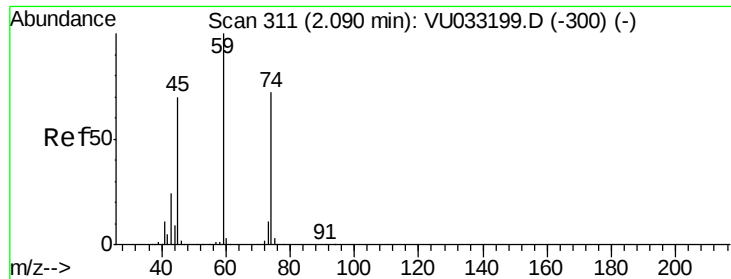
Ion Ratio Lower Upper

96 100

61 155.6 0.0 377.3

98 66.5 32.3 96.8





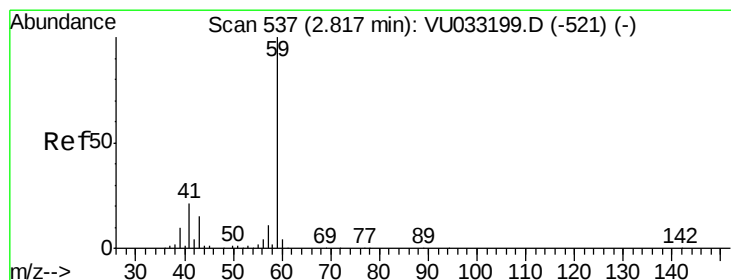
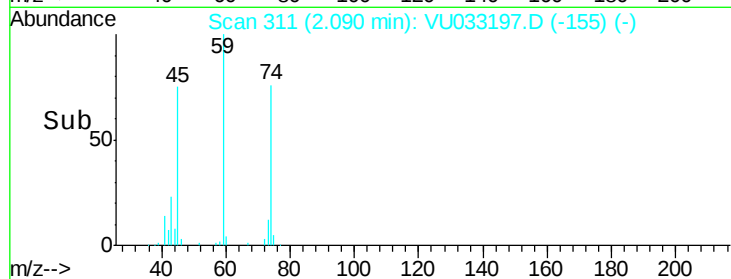
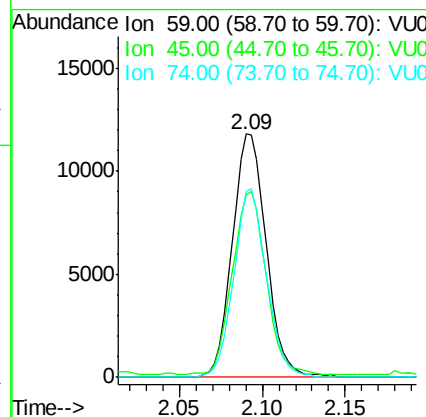
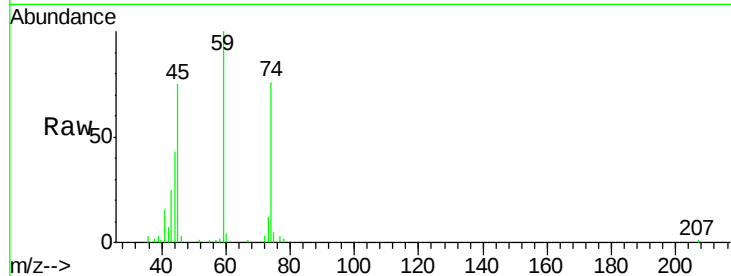
#23
Diethyl Ether
Concen: 1.820 ug/l
RT: 2.09 min Scan# 311
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
45	74.2	55.7	83.5
74	74.5	58.1	87.1

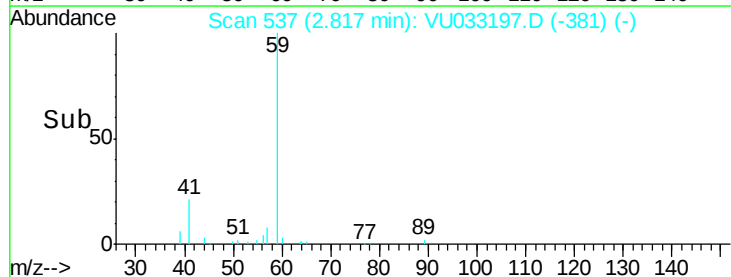
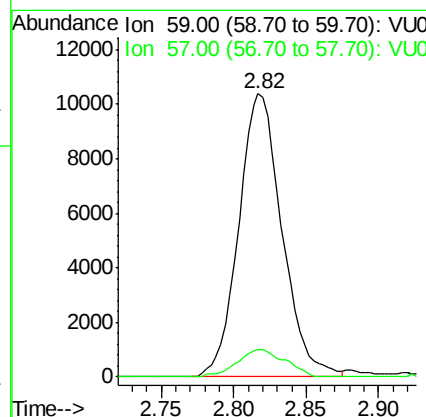
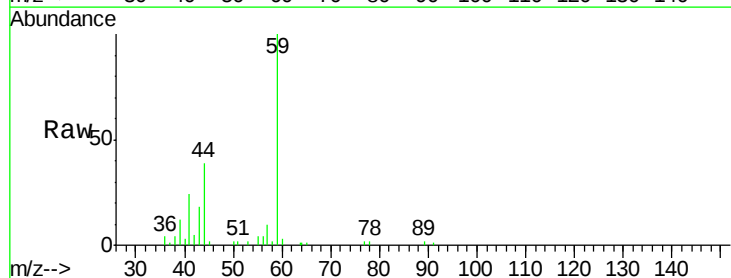
Manual Integrations
APPROVED

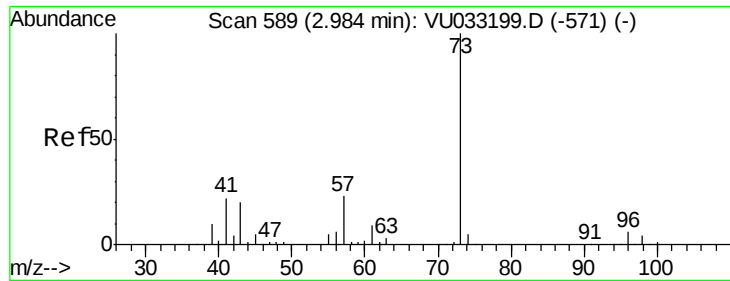
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#24
tert-Butyl Alcohol
Concen: 18.279 ug/l
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7





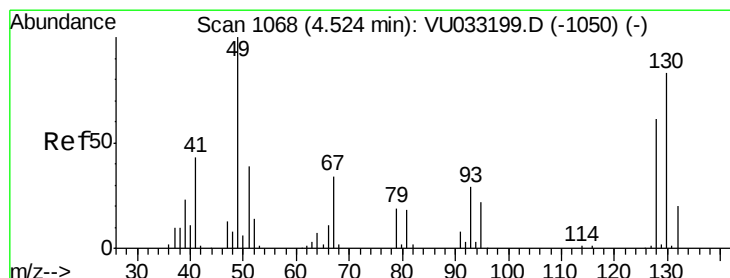
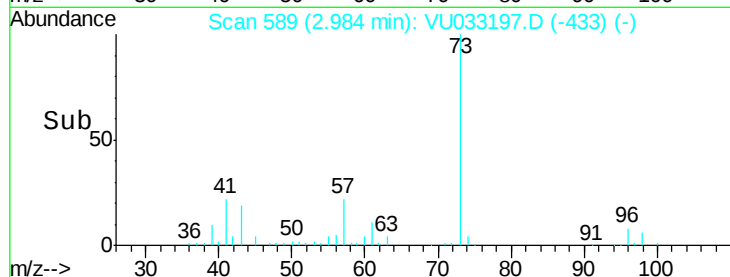
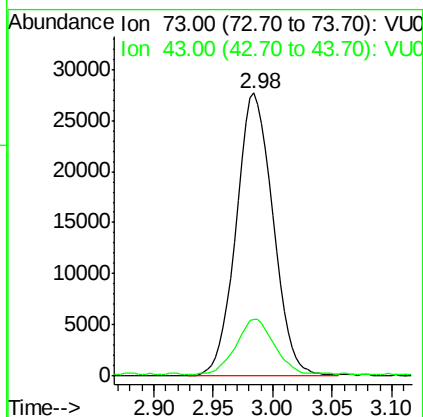
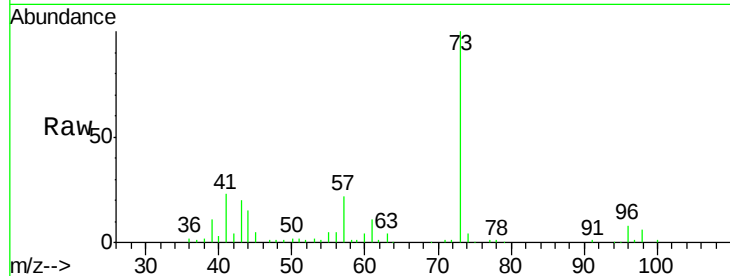
#25
Methvl tert-Butvl Ether
Concen: 1.914 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 73 Resp: 59675
Ion Ratio Lower Upper
73 100
43 20.2 16.1 24.1

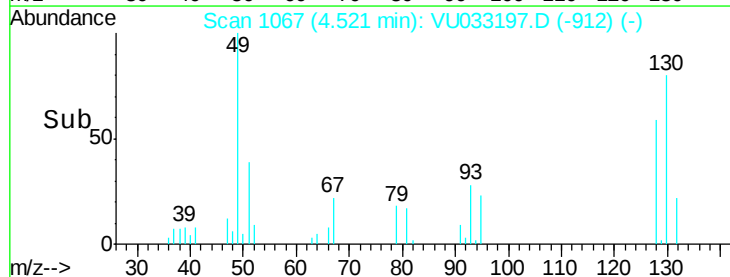
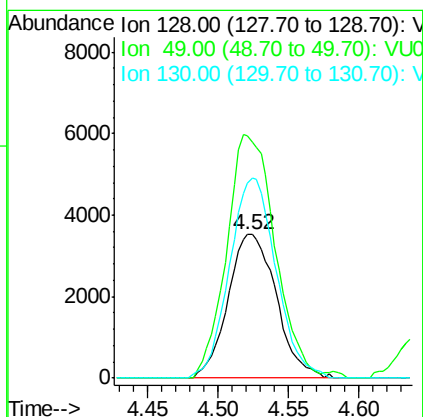
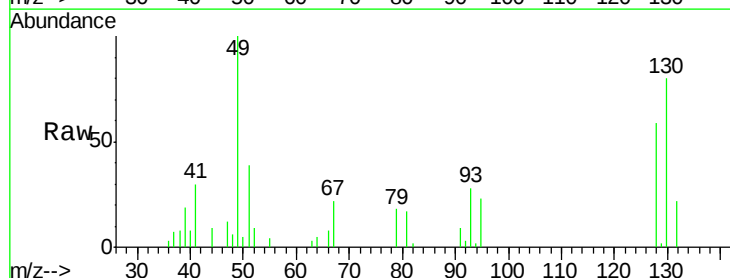
Manual Integrations
APPROVED

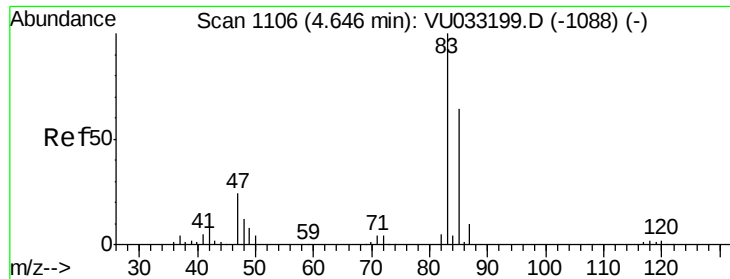
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#26
Bromochloromethane
Concen: 1.848 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion: 128 Resp: 8452
Ion Ratio Lower Upper
128 100
49 169.2 0.0 328.6
130 134.3 104.1 156.1





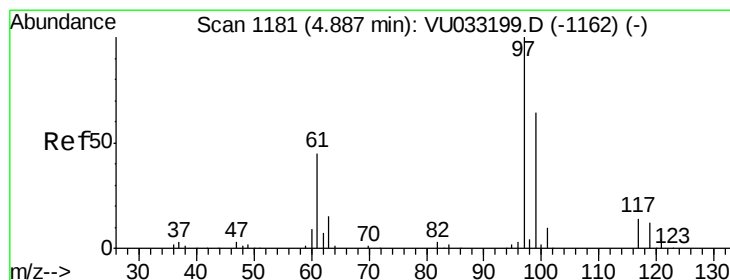
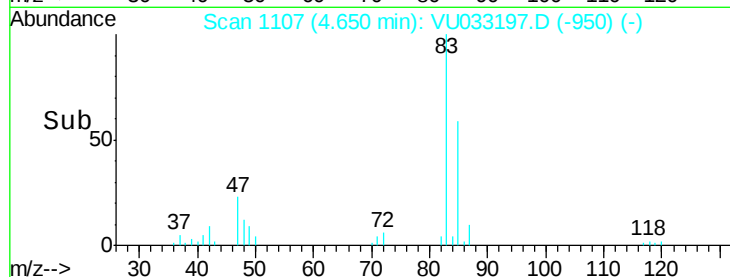
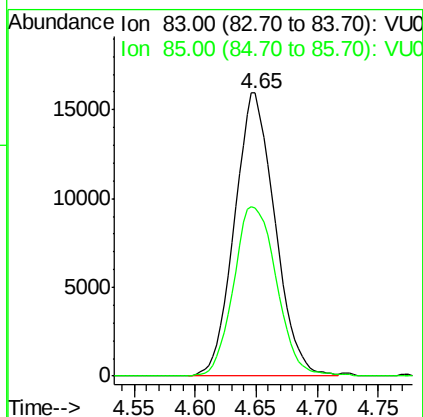
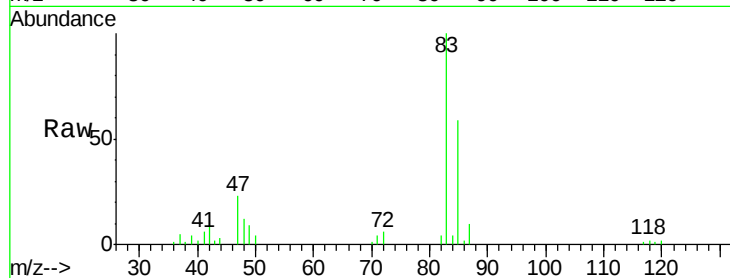
#27
Chloroform
Concen: 1.773 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	36649
Ion Ratio	100	Lower	Upper
85	59.3	0.0	128.4

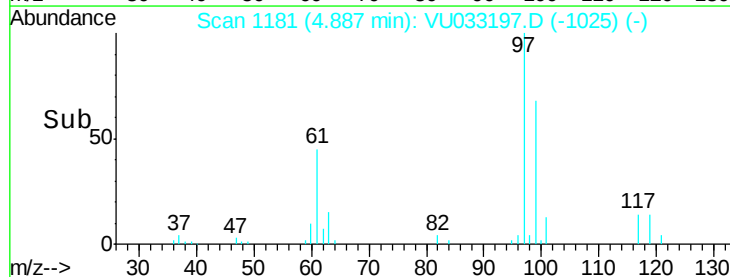
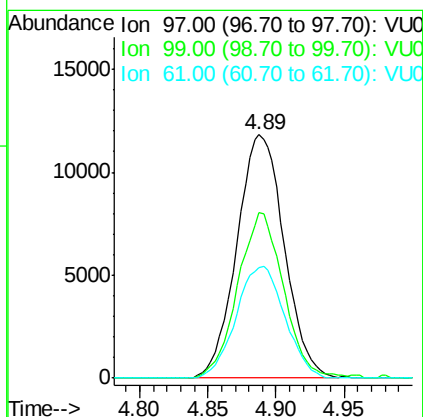
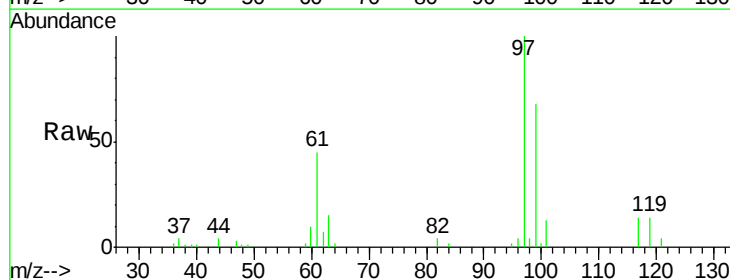
Manual Integrations
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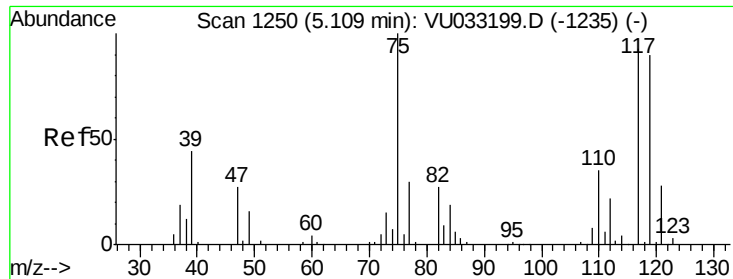
MMDadoda
7/16/2019 4:03:15 PM



#28
1,1,1-Trichloroethane
Concen: 1.756 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	97	Resp	28435
Ion Ratio	100	Lower	Upper
99	65.9	31.9	95.5
61	47.2	22.6	67.7





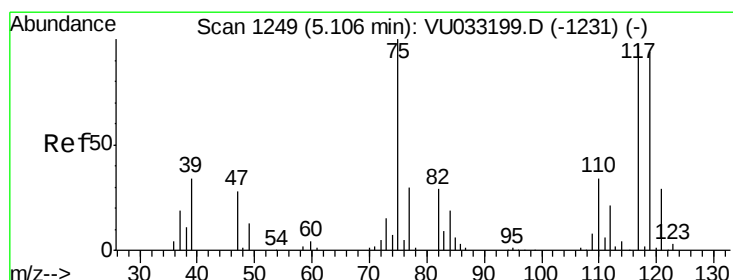
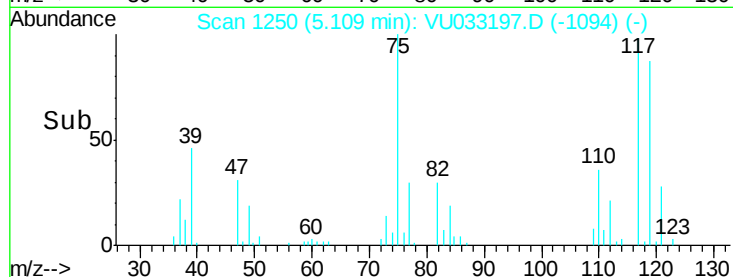
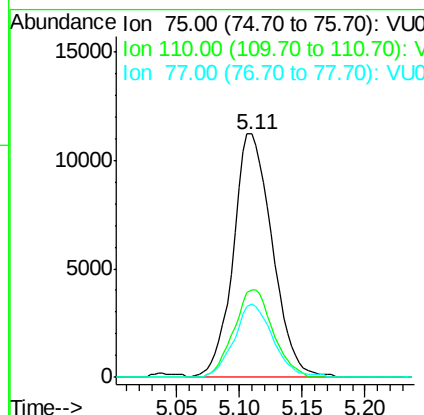
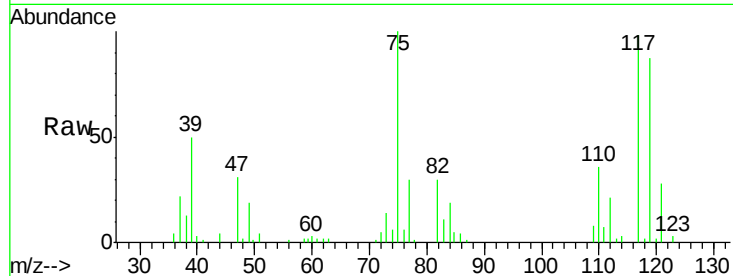
#29
 1,1-Dichloropropene
 Concen: 1.810 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.5	52.6
77	30.1	24.6	37.0

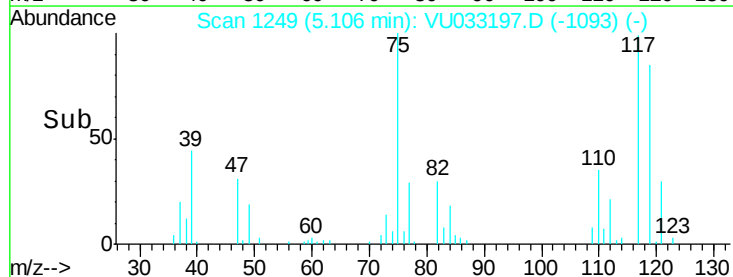
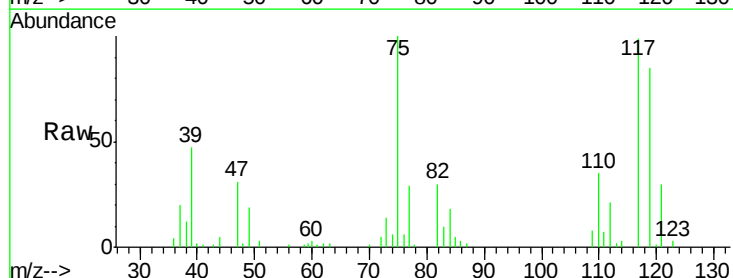
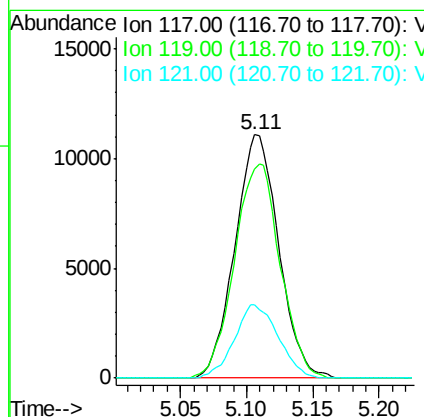
Manual Integrations
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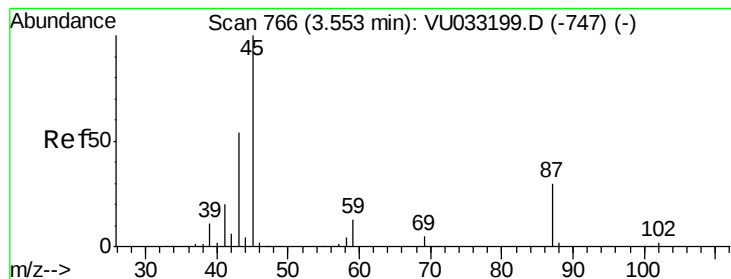
MMDadoda
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#30
 Carbon Tetrachloride
 Concen: 1.757 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.8	77.4	116.0
121	29.9	24.2	36.2





#31

Isopropyl Ether

Concen: 1.727 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Tot Ion: 45 Resp: 42253

Ion Ratio Lower Upper

45 100

43 58.2 27.3 81.8

Instrument :

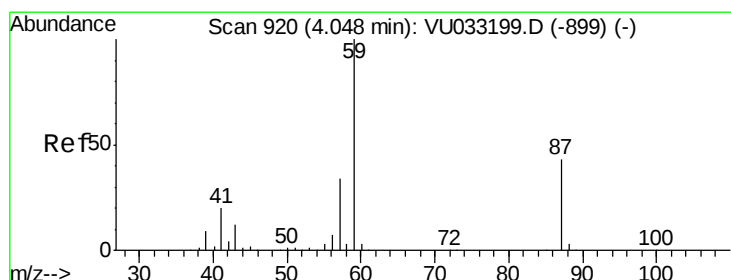
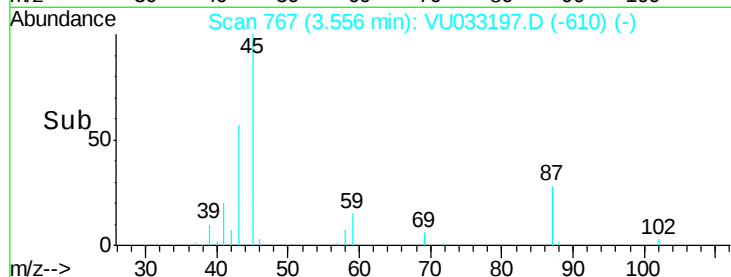
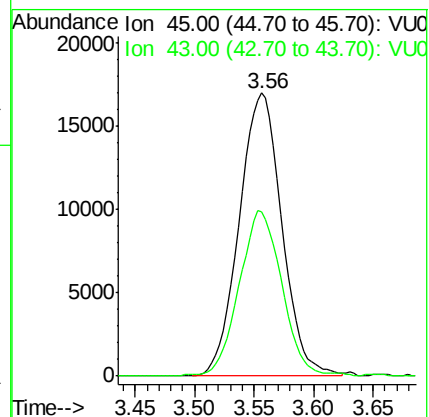
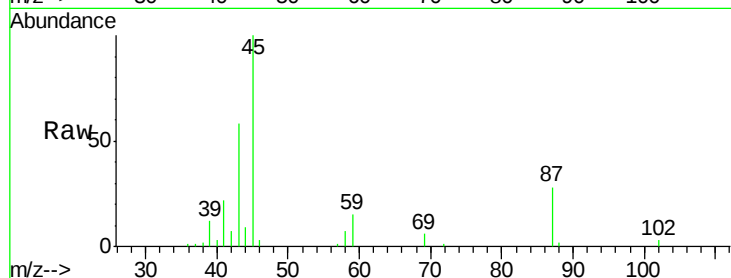
MSVOA_U

ClientSampleId :

VSTDIC002

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.823 ug/l

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VU033197.D

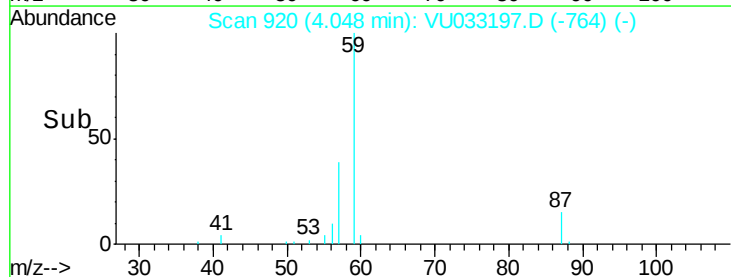
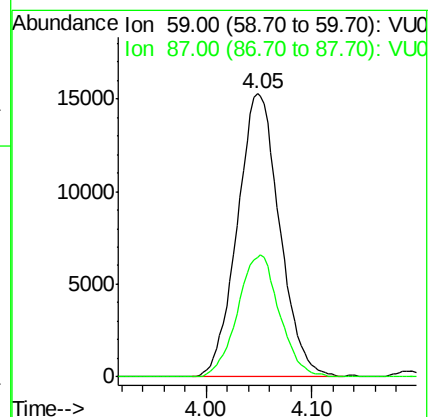
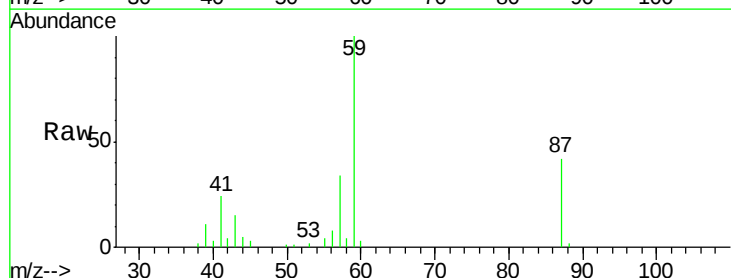
Acq: 11 Jul 2019 17:47

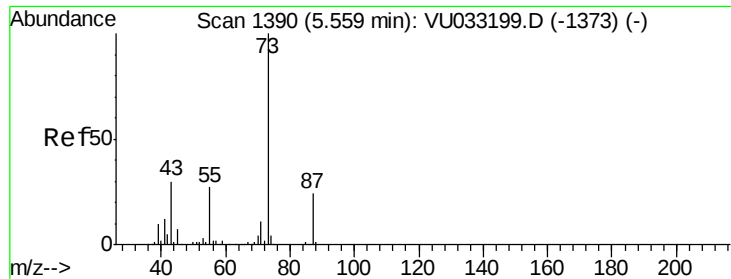
Tgt Ion: 59 Resp: 42531

Ion Ratio Lower Upper

59 100

87 42.6 34.5 51.7





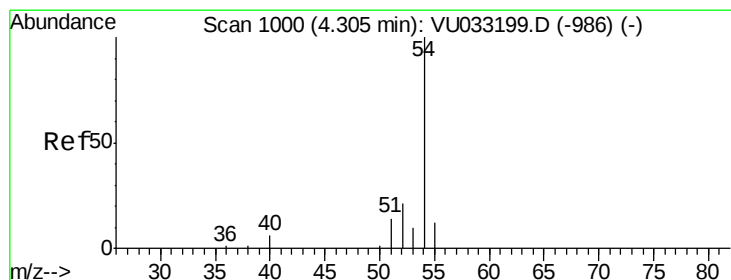
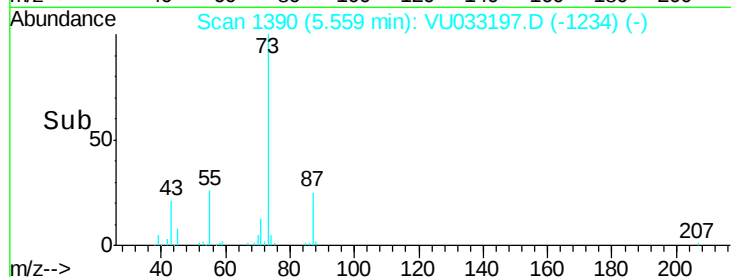
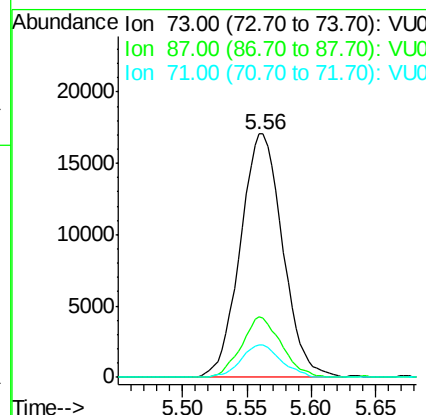
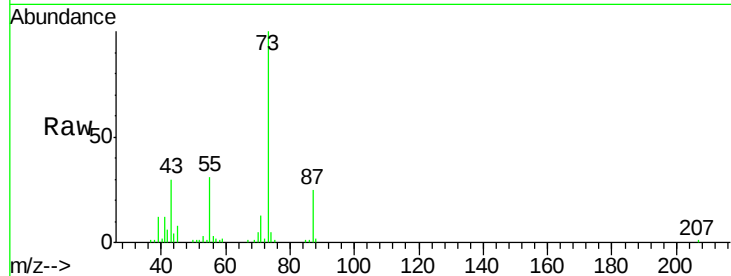
#33
Tert-Amvl methvl ether
Concen: 1.855 ug/l
RT: 5.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	73	Resp:	39014
Ion	Ratio	Lower	Upper
73	100		
87	23.4	19.8	29.6
71	12.5	9.1	13.7

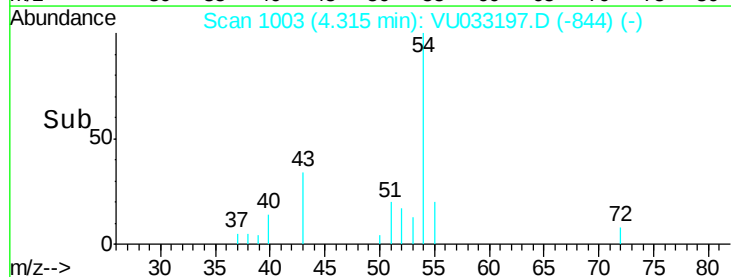
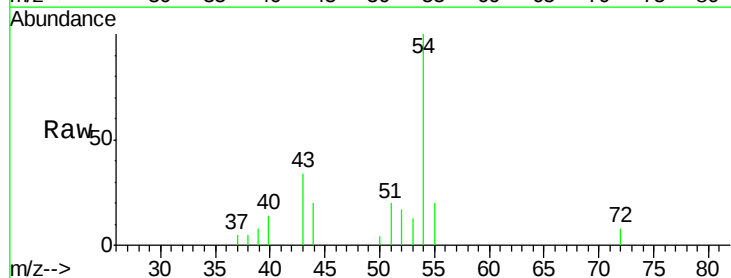
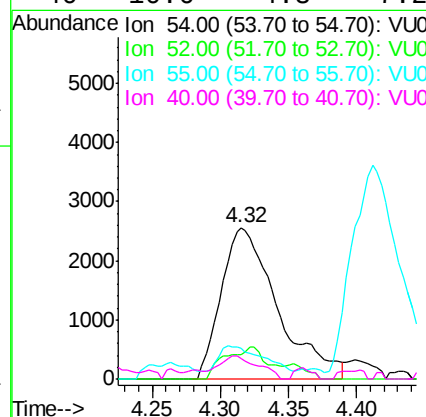
Manual Integrations
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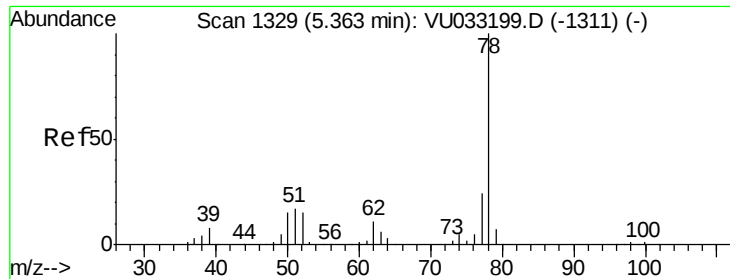
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#34
Propionitrile
Concen: 10.462 ug/l
RT: 4.32 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion:	54	Resp:	7323
Ion	Ratio	Lower	Upper
54	100		
52	15.8	16.7	25.1#
55	14.5	12.9	19.3
40	10.6	4.8	7.2#





#35

Benzene

Concen: 1.792 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 78 Resp: 69843

Ion Ratio Lower Upper

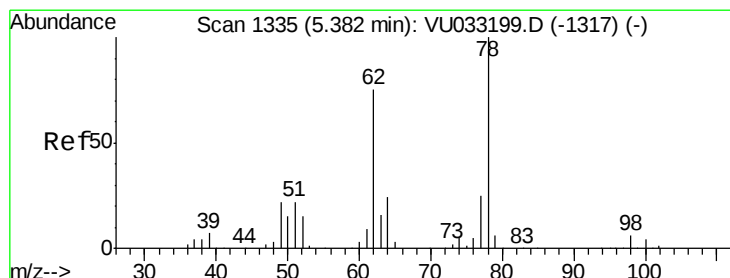
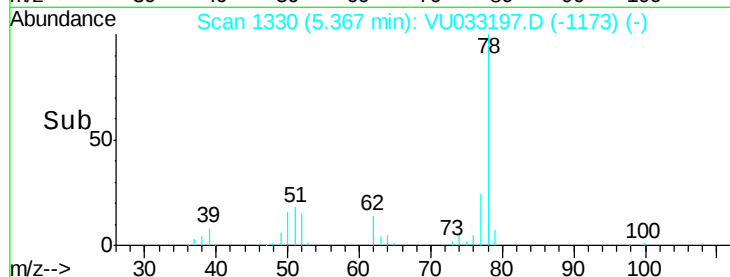
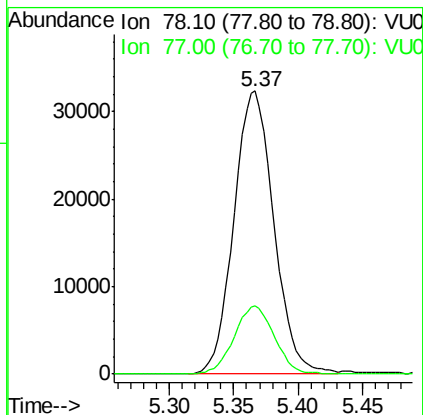
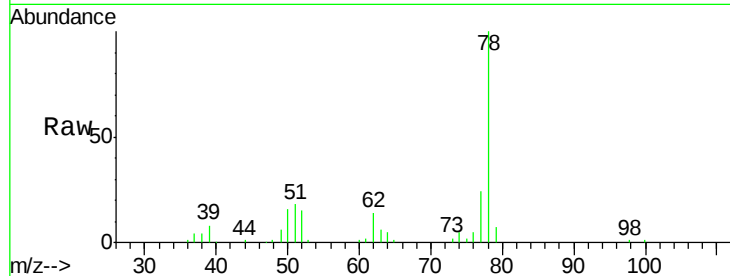
78 100

77 24.3 19.3 28.9

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7/16/2019 4:03:15 PM



#36

1,2-Dichloroethane

Concen: 1.810 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033197.D

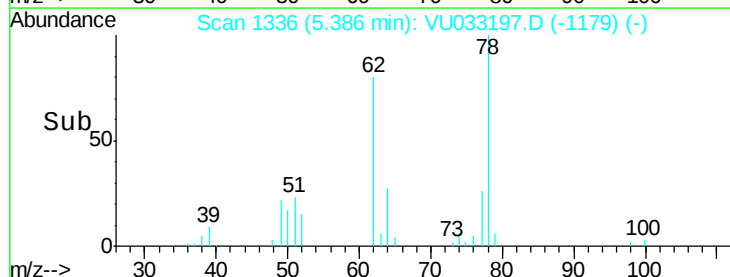
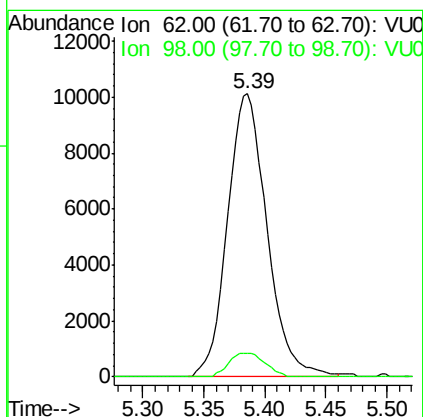
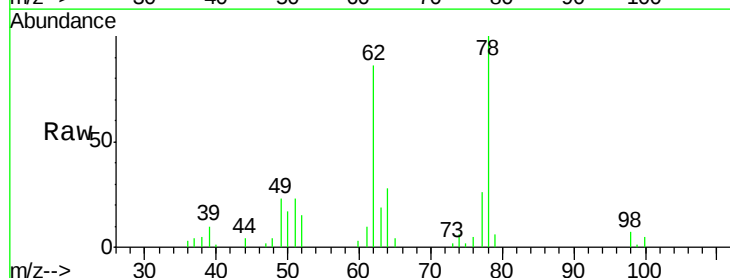
Acq: 11 Jul 2019 17:47

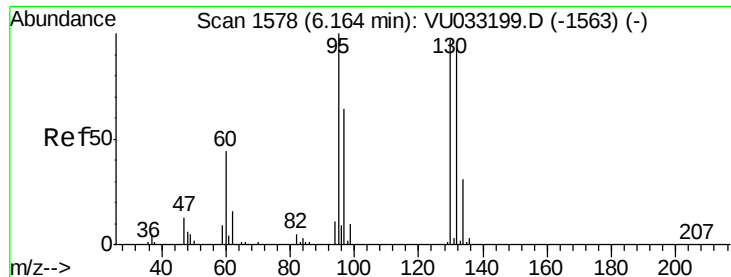
Tgt Ion: 62 Resp: 22780

Ion Ratio Lower Upper

62 100

98 7.8 6.7 10.1





#37

Trichloroethene

Concen: 1.786 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:130 Resp: 17966

Ion Ratio Lower Upper

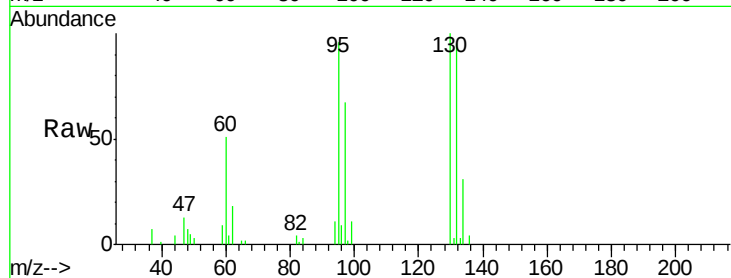
130 100

95 95.6 82.4 123.6

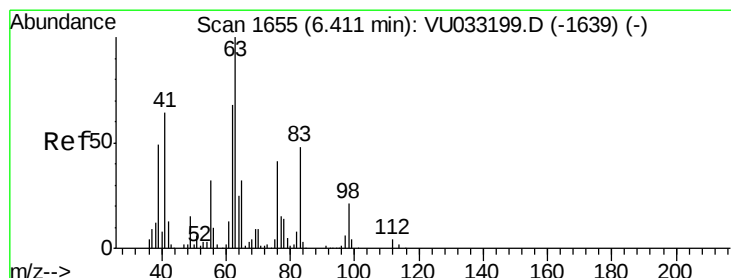
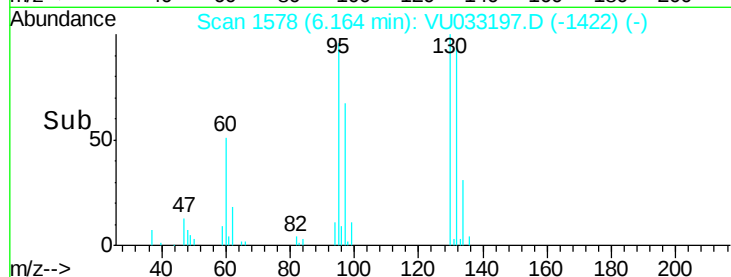
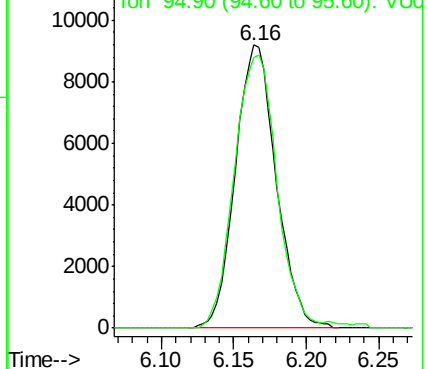
Manual Integrations
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Abundance Ion 129.90 (129.60 to 130.60): VU033197.D (-1422) (-)



#38

1,2-Dichloropropane

Concen: 1.767 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033197.D

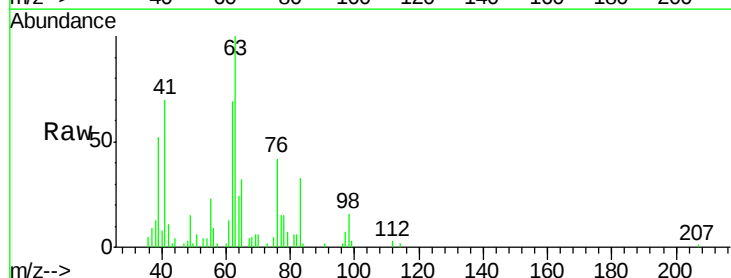
Acq: 11 Jul 2019 17:47

Tgt Ion: 63 Resp: 18973

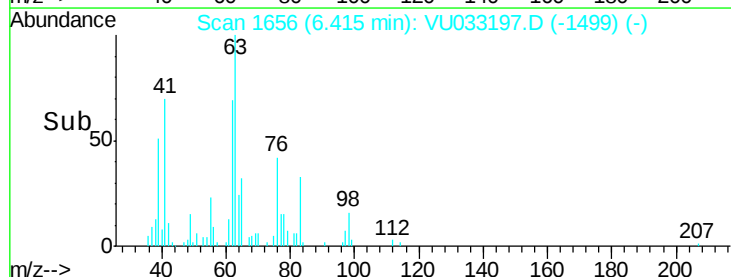
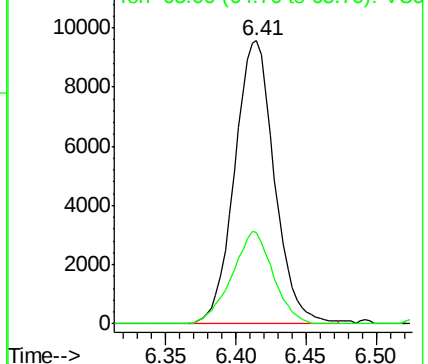
Ion Ratio Lower Upper

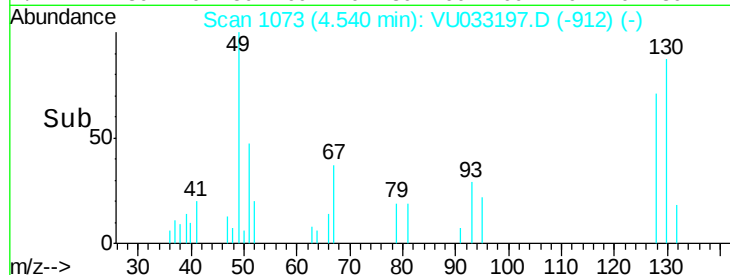
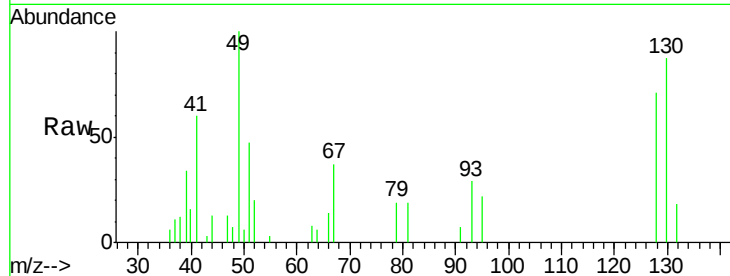
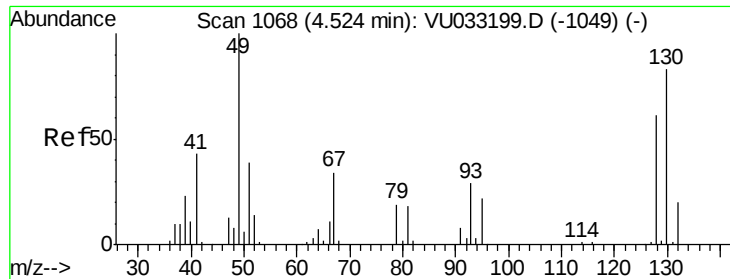
63 100

65 32.1 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU033197.D (-1499) (-)





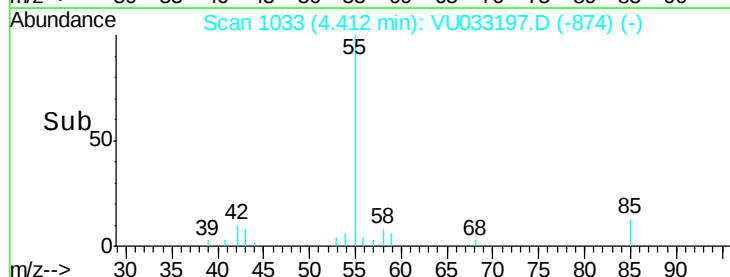
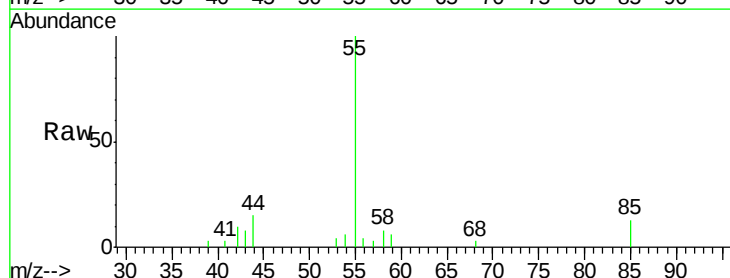
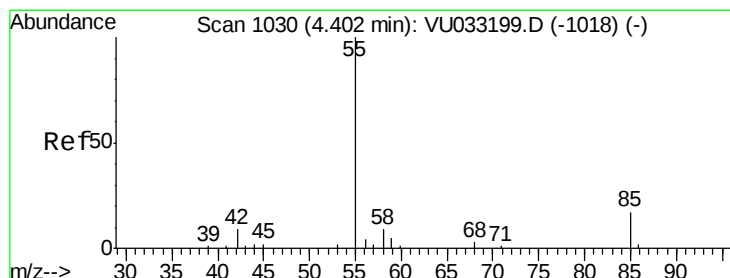
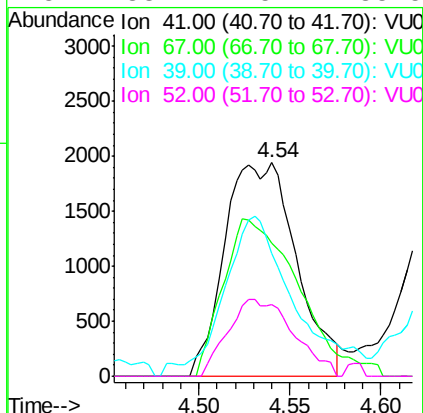
#39
Methacrylonitrile
Concen: 1.822 ug/l m
RT: 4.54 min Scan# 1073
Delta R.T. 0.02 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tot Ion	41	Resp:	5291
Ion	Ratio	Lower	Upper
41	100		
67	78.0	61.0	91.4
39	62.6	44.4	66.6
52	33.1	25.7	38.5

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

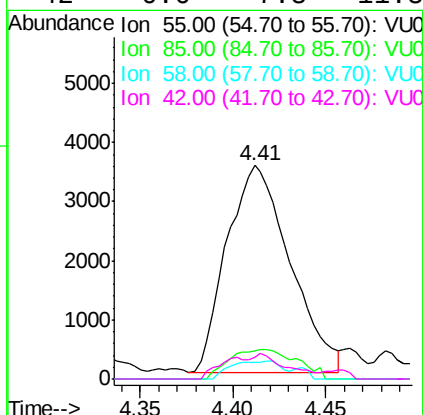
Manual Integrations
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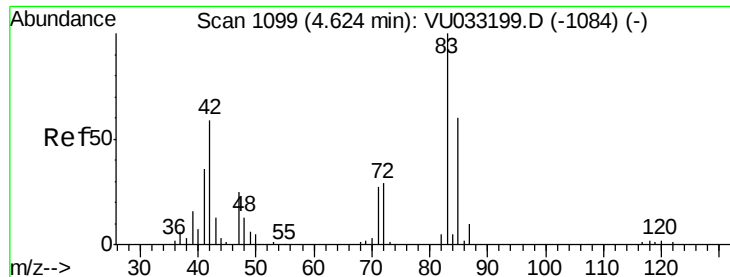
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#40
Methyl acrylate
Concen: 1.911 ug/l
RT: 4.41 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	55	Resp:	8373
Ion	Ratio	Lower	Upper
55	100		
85	15.1	13.0	19.6
58	7.0	7.0	10.4
42	6.6	7.8	11.8#





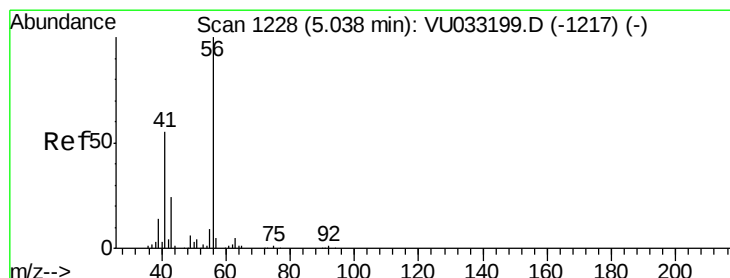
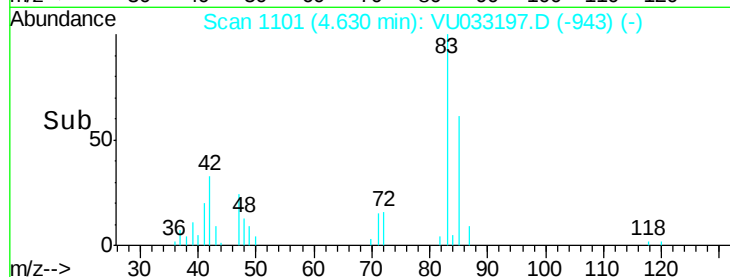
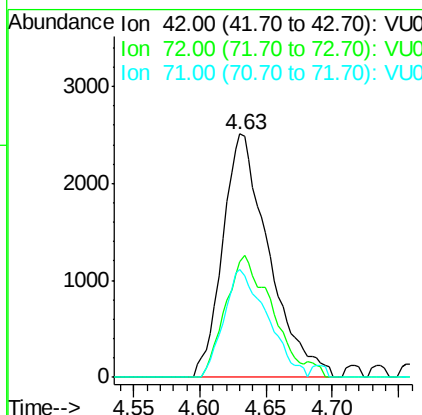
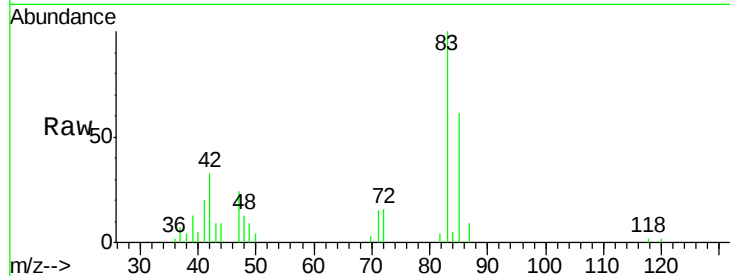
#41
Tetrahydrofuran
Concen: 4.120 ug/l
RT: 4.63 min Scan# 1101
Delta R.T. 0.01 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	42	Resp:	6102
Ion	Ratio	Lower	Upper
42	100		
72	51.0	40.7	61.1
71	41.5	35.4	53.0

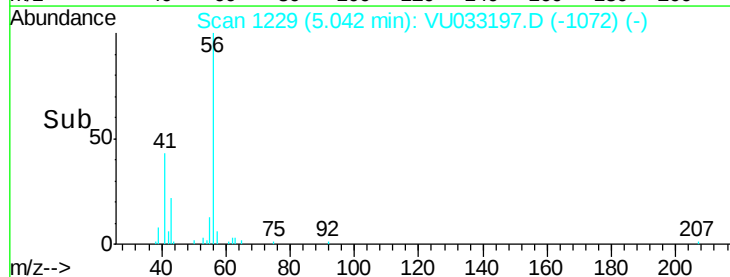
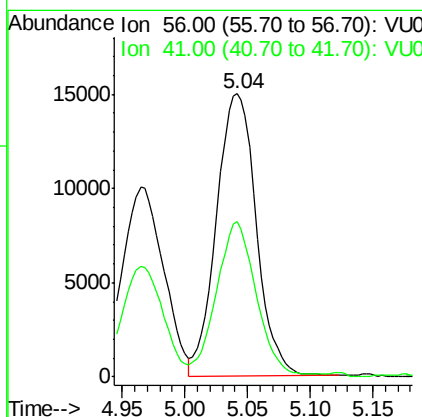
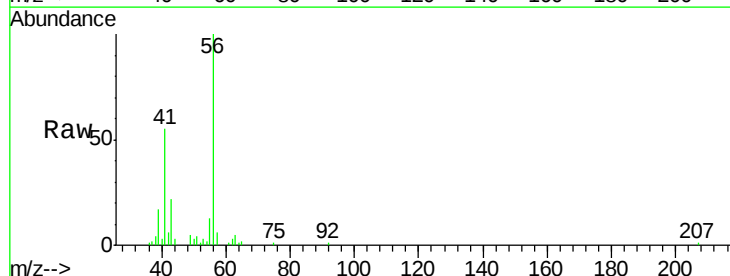
Manual Integrations
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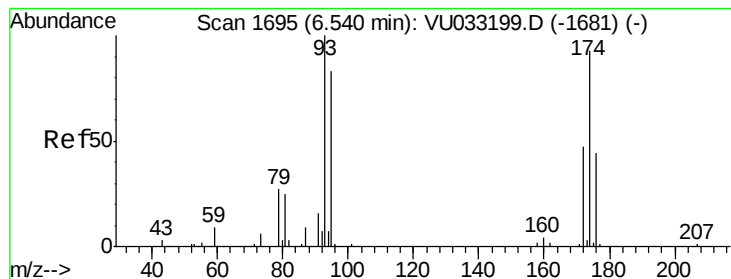
MMDadoda
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#42
1-Chlorobutane
Concen: 1.802 ug/l
RT: 5.04 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion:	56	Resp:	32822
Ion	Ratio	Lower	Upper
56	100		
41	53.5	26.5	79.4





#43

Dibromomethane

Concen: 1.824 ug/l

RT: 6.54 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

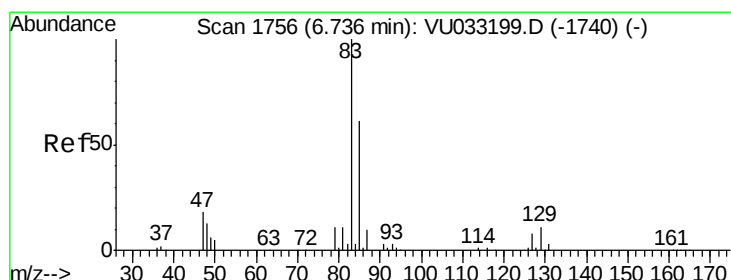
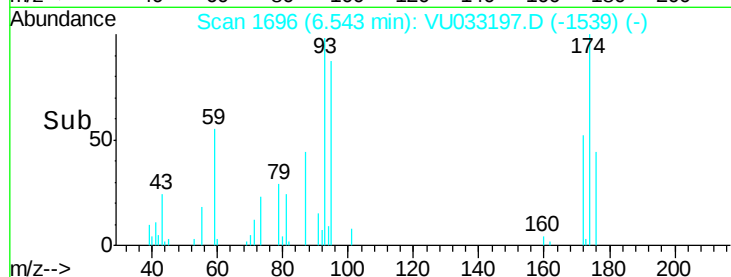
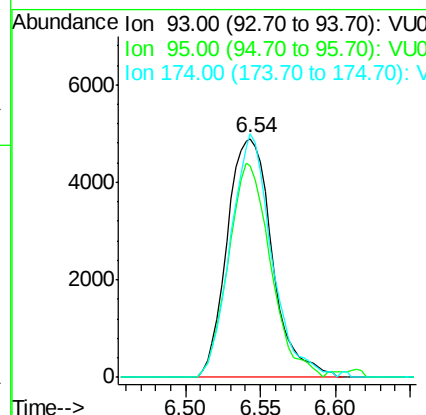
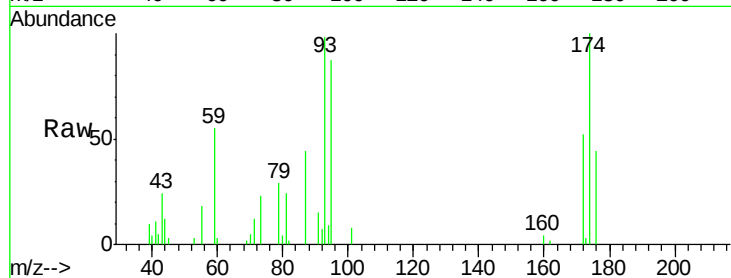
ClientSampleId :

VSTDIC002

Tot Ion:	93	Resp:	10274
Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.5	101.3
174	93.2	74.2	111.2

Manual Integrations
APPROVED

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7/16/2019 4:03:15 PM



#44

Bromodichloromethane

Concen: 1.797 ug/l

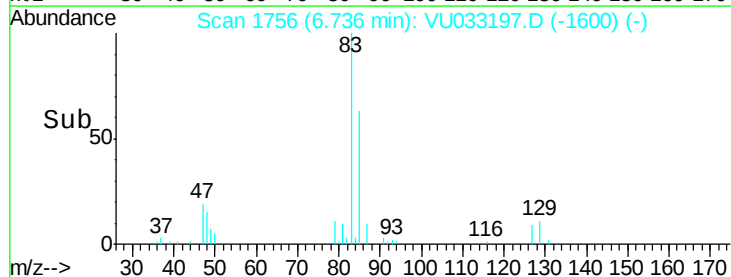
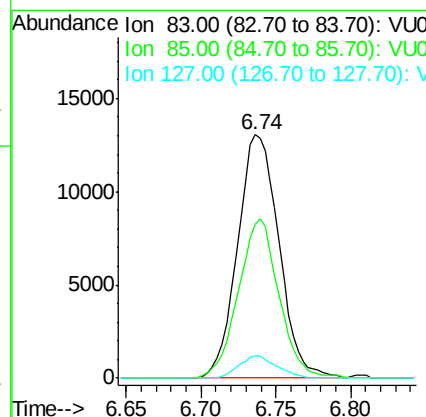
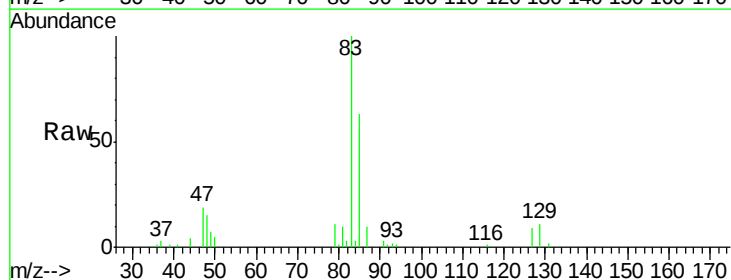
RT: 6.74 min Scan# 1756

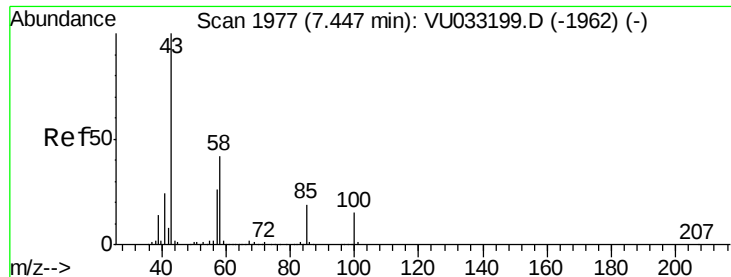
Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Tgt Ion:	83	Resp:	25191
Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.1	73.7
127	9.2	6.6	9.8





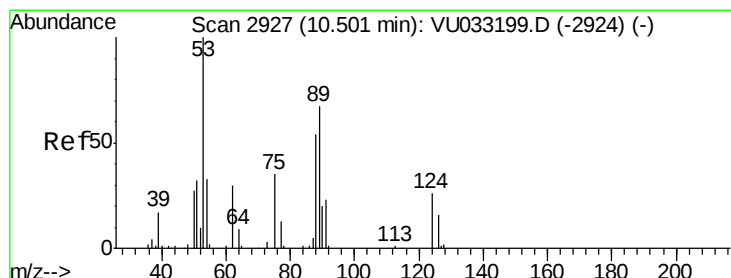
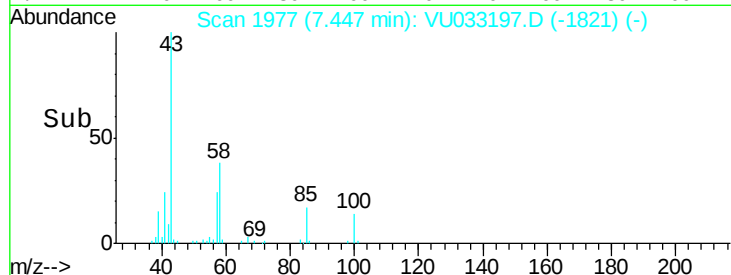
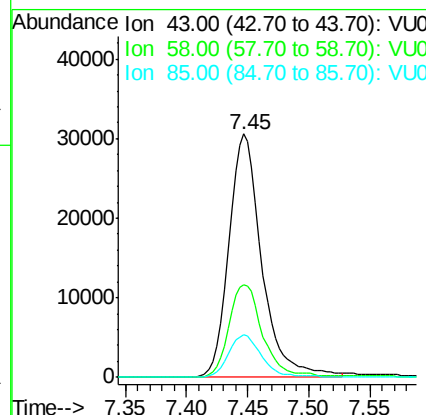
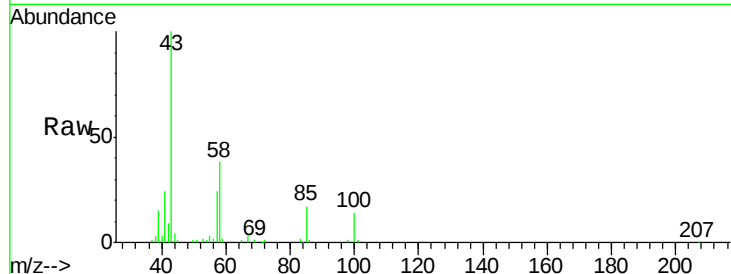
#45
4-Methyl-2-Pentanone
Concen: 9.693 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	43	Resp	57910
Ion Ratio	Lower	Upper	
43	100		
58	39.2	20.4	61.2
85	17.2	14.7	22.1

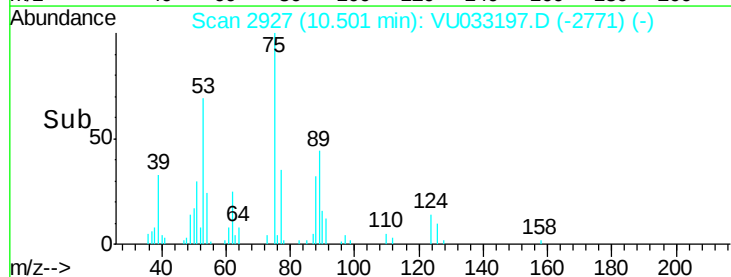
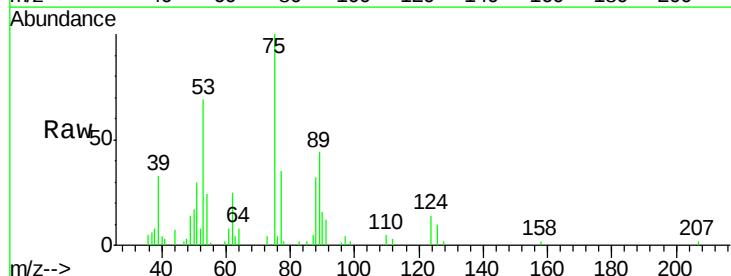
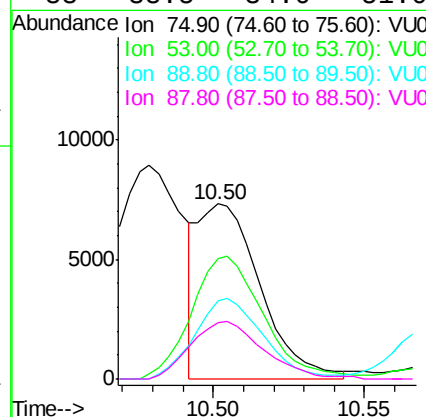
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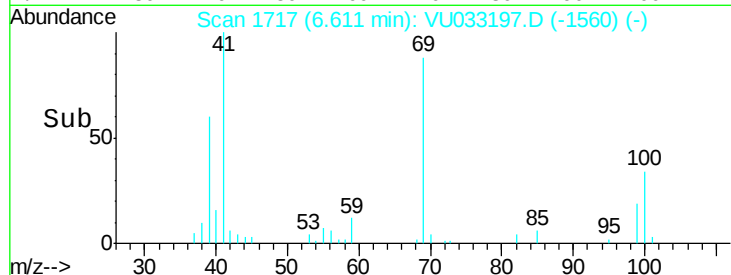
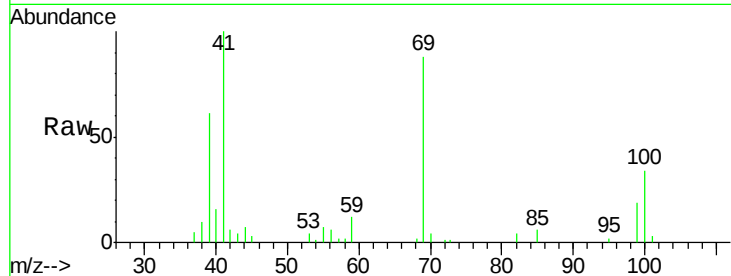
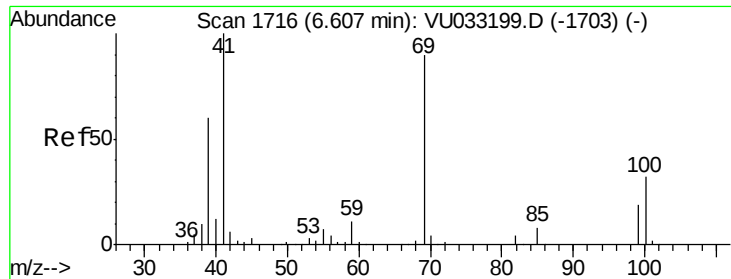
MMDadoda
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#46
t-1,4-Dichloro-2-butene
Concen: 3.910 ug/l m
RT: 10.50 min Scan# 2927
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	75	Resp	10548
Ion Ratio	Lower	Upper	
75	100		
53	80.4	63.8	95.6
89	49.9	44.0	66.0
88	38.5	34.0	51.0





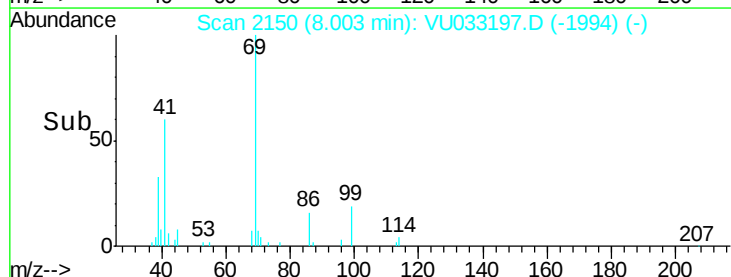
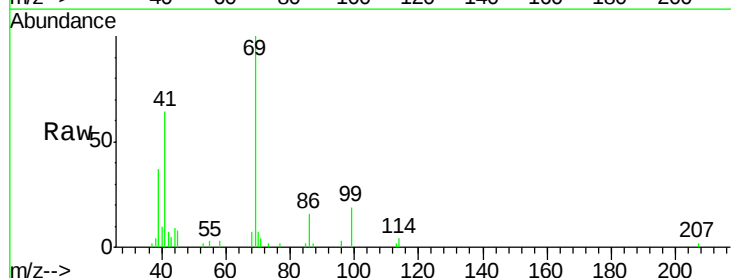
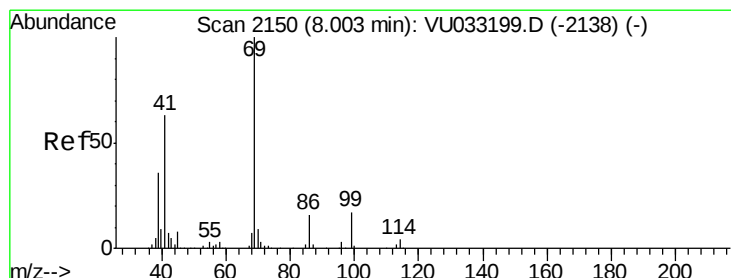
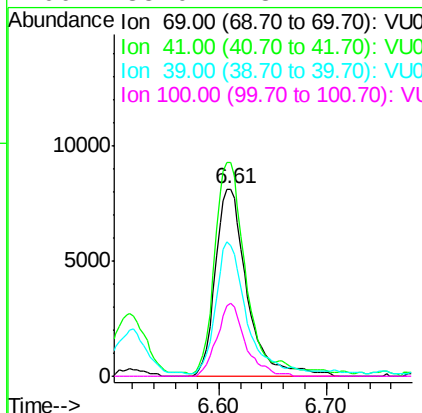
#47
Methyl methacrylate
Concen: 3.806 ug/l
RT: 6.61 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		16631		
41	104.9	0.0	217.0		
39	65.3	52.1	78.1		
100	35.0	28.2	42.4		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

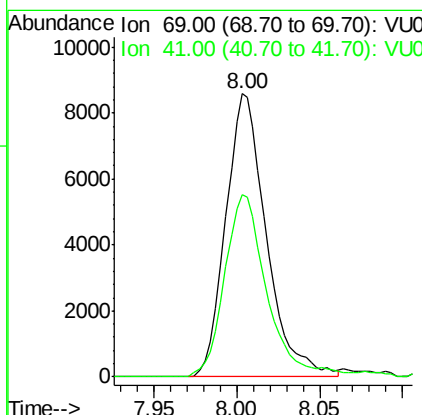
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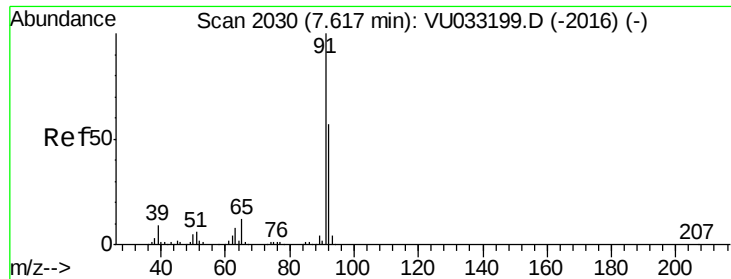
MMDadoda
7/16/2019 4:03:15 PM



#48
Ethyl methacrylate
Concen: 1.811 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		14650		
41	66.3	31.3	93.8		





#49

Toluene

Concen: 1.778 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 92 Resp: 40826

Ion Ratio Lower Upper

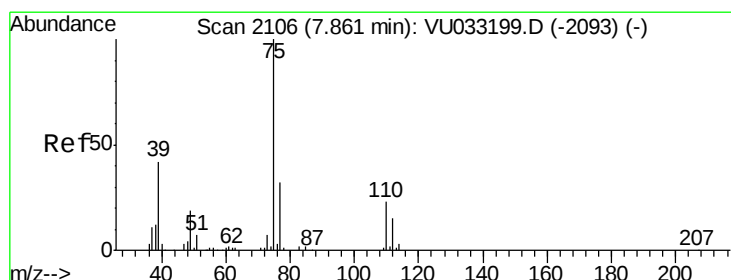
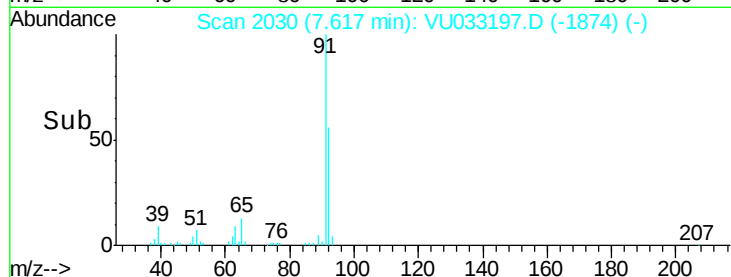
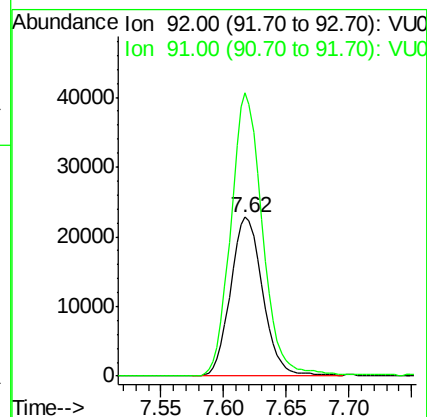
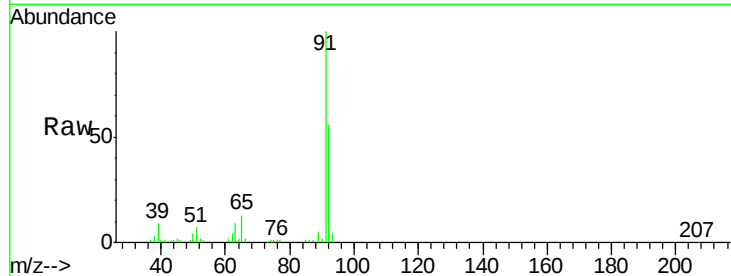
92 100

91 175.0 141.2 211.8

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7/16/2019 4:03:15 PM



#50

t-1,3-Dichloropropene

Concen: 1.861 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033197.D

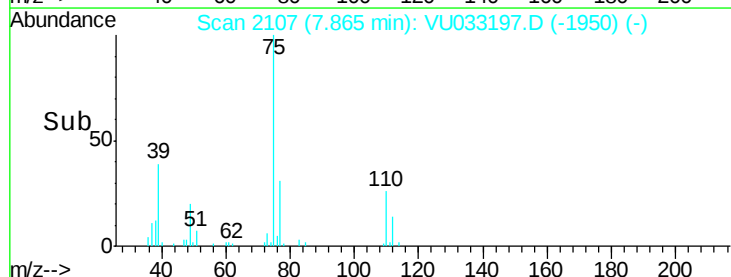
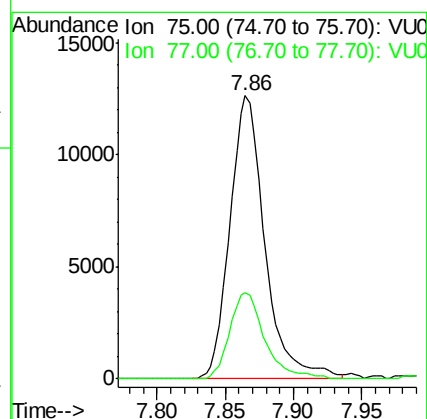
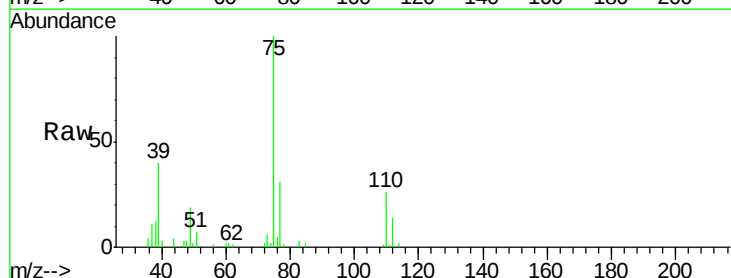
Acq: 11 Jul 2019 17:47

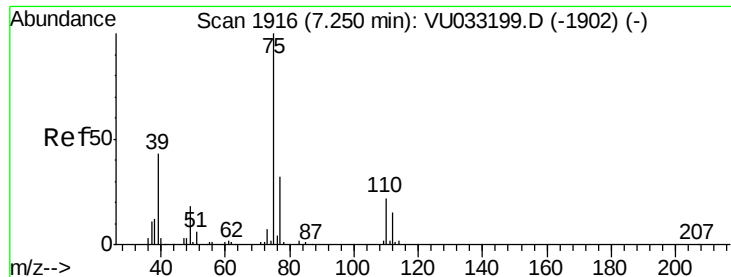
Tgt Ion: 75 Resp: 22508

Ion Ratio Lower Upper

75 100

77 30.6 25.2 37.8





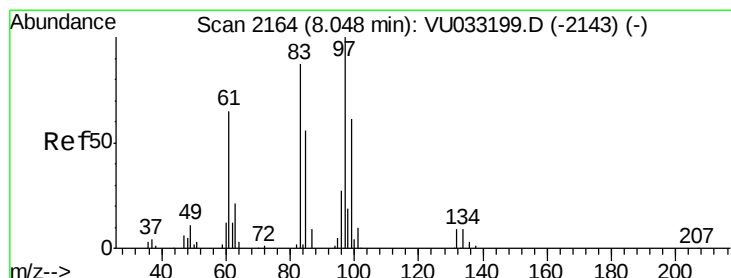
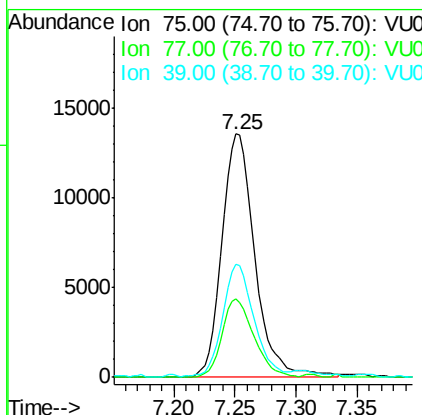
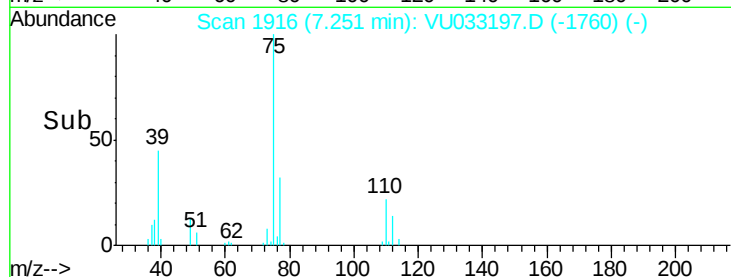
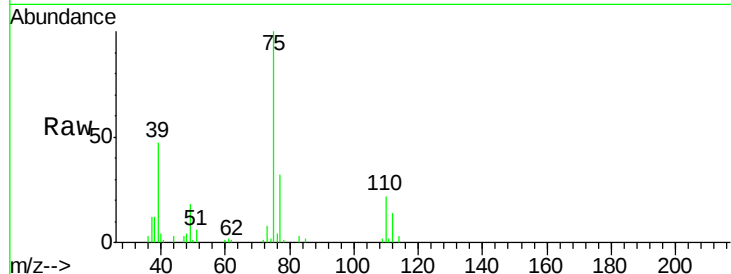
#51
 cis-1,3-Dichloropropene
 Concen: 1.813 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:	75	Resp:	25775
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	45.7	34.5	51.7

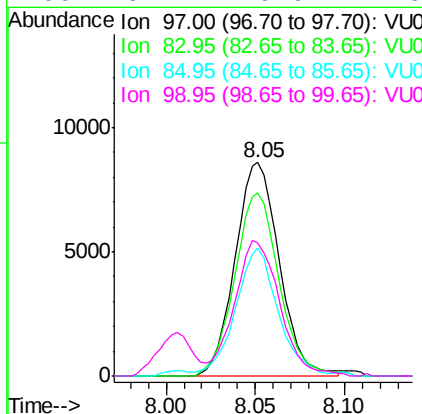
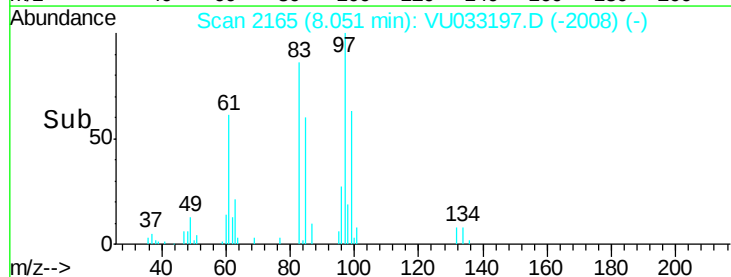
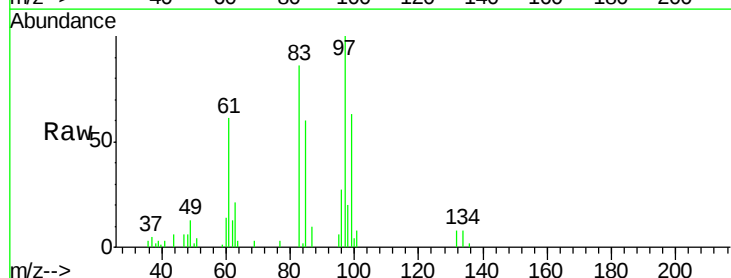
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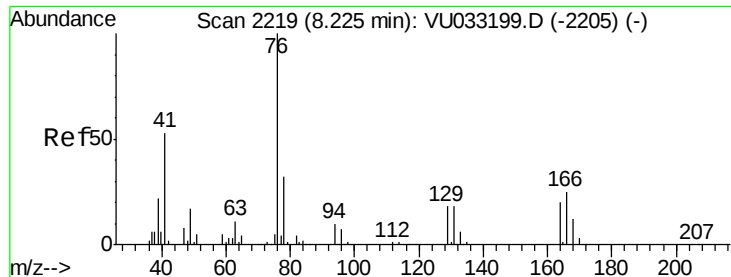
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#52
 1,1,2-Trichloroethane
 Concen: 1.906 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Tgt Ion:	97	Resp:	14800
Ion	Ratio	Lower	Upper
97	100		
83	85.9	69.9	104.9
85	58.4	45.2	67.8
99	61.2	49.9	74.9





#53

1,3-Dichloropropane

Concen: 1.845 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Tot Ion: 76 Resp: 24069

Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9

Instrument :

MSVOA_U

ClientSampleId :

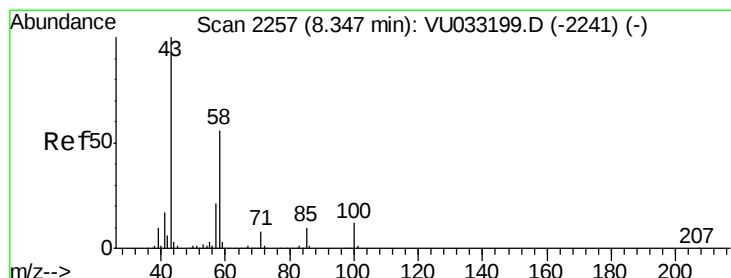
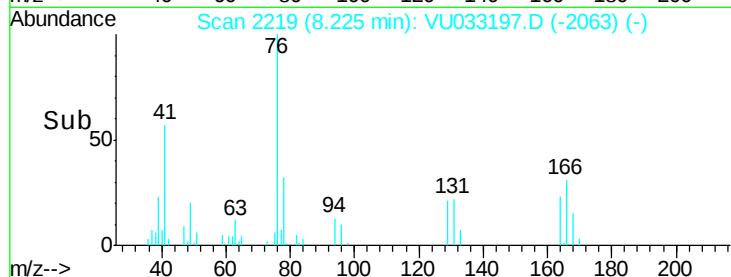
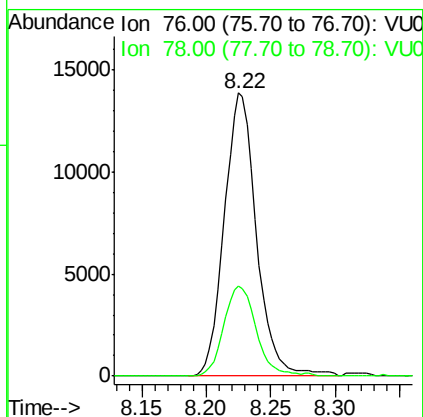
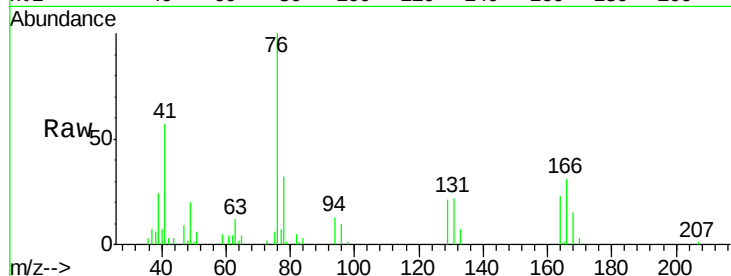
VSTDIC002

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7/16/2019 4:03:15 PM



#54

2-Hexanone

Concen: 9.803 ug/l

RT: 8.35 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

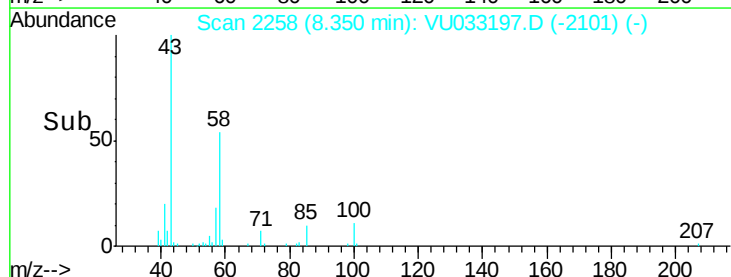
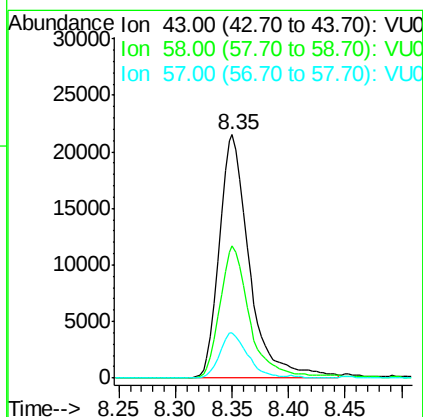
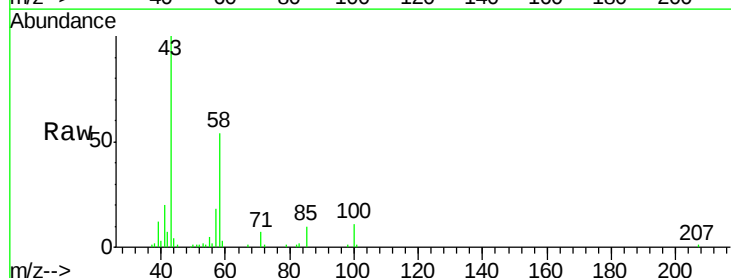
Tgt Ion: 43 Resp: 39888

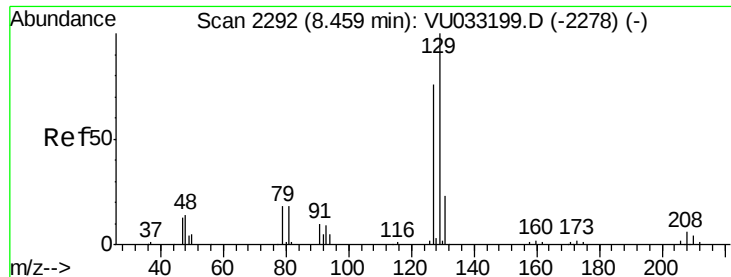
Ion Ratio Lower Upper

43 100

58 53.5 35.8 75.8

57 17.2 0.2 40.2





#55

Dibromochloromethane

Concen: 1.823 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Tot Ion:129 Resp: 16531

Ion Ratio Lower Upper

129 100

127 75.7 62.9 94.3

Instrument :

MSVOA_U

ClientSampleId :

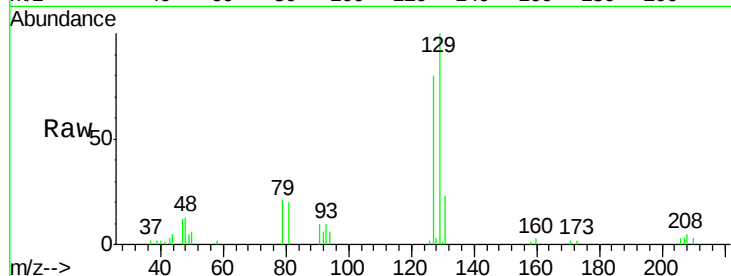
VSTDIC002

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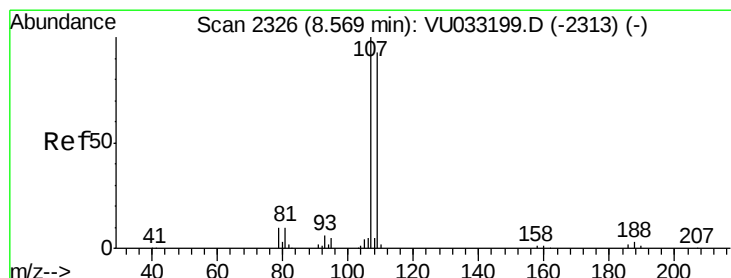
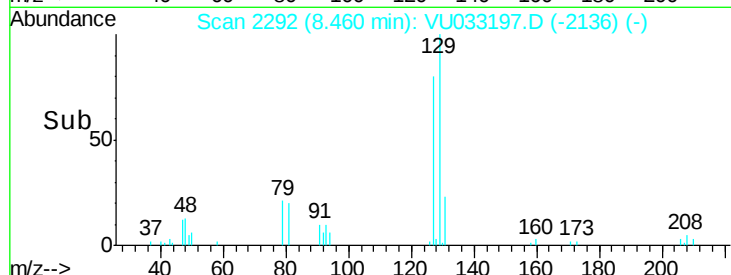
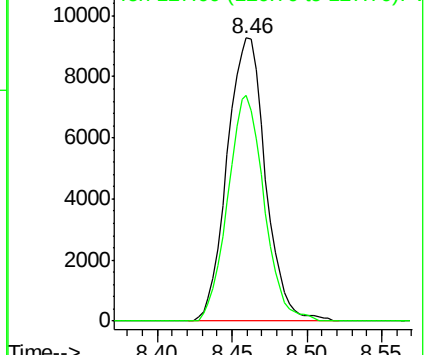
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.876 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033197.D

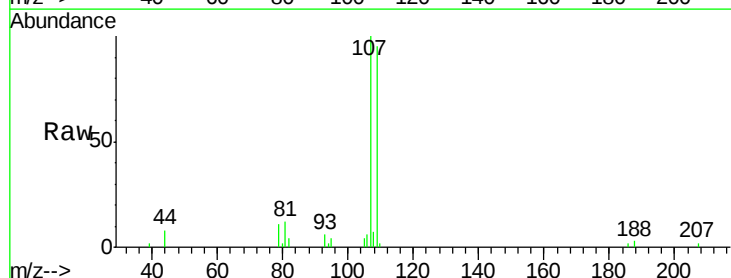
Acq: 11 Jul 2019 17:47

Tgt Ion:107 Resp: 13316

Ion Ratio Lower Upper

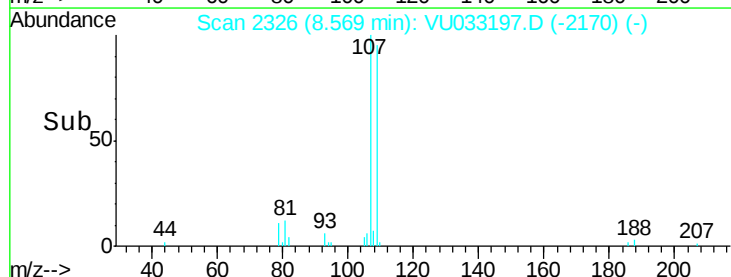
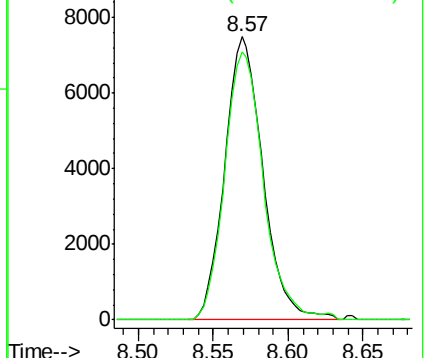
107 100

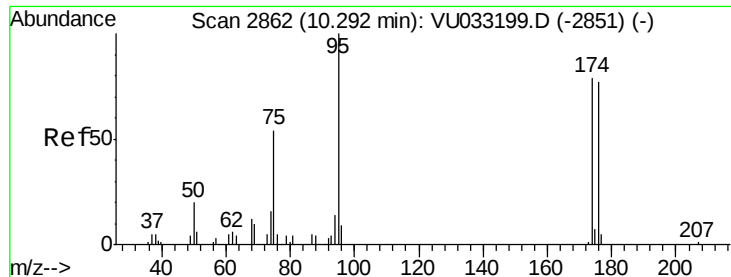
109 96.6 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





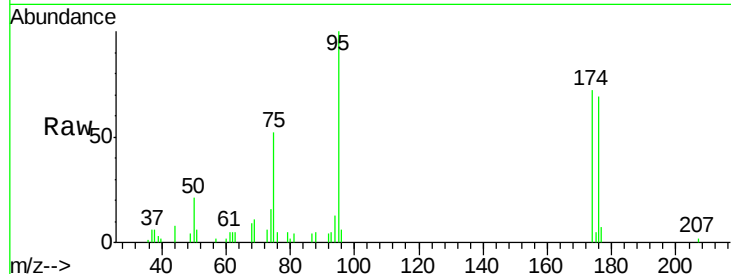
#57
4-Bromofluorobenzene
Concen: 0.966 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	95	Resp:	11932
Ion	Ratio	Lower	Upper
95	100		
174	72.8	63.8	95.8
176	70.3	64.5	96.7

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7/16/2019 4:03:15 PM

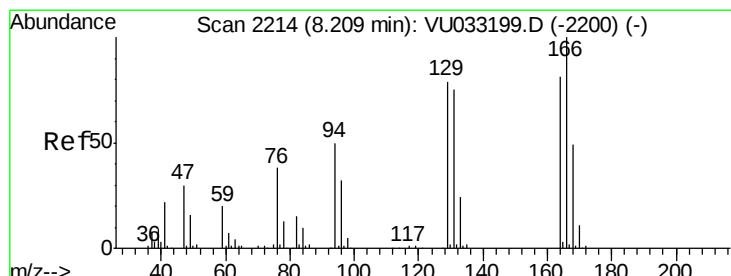
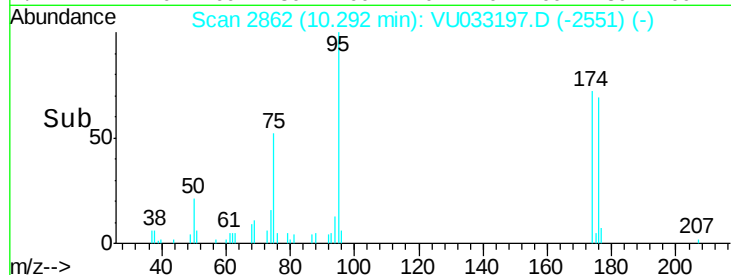
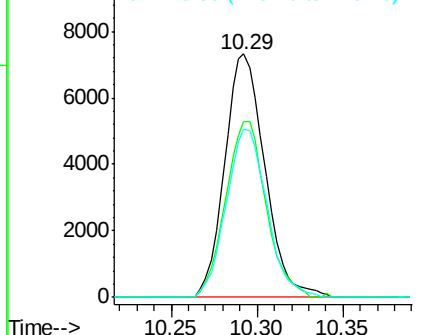


Abundance

Ion 95.00 (94.70 to 95.70): VU033197.D (-2551) (-)

Ion 174.00 (173.70 to 174.70): VU033197.D (-2551) (-)

Ion 176.00 (175.70 to 176.70): VU033197.D (-2551) (-)



#58
Tetrachloroethene
Concen: 1.835 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion:	164	Resp:	16914
Ion	Ratio	Lower	Upper
164	100		
166	121.1	99.3	148.9
129	96.6	78.0	117.0
131	96.5	74.5	111.7

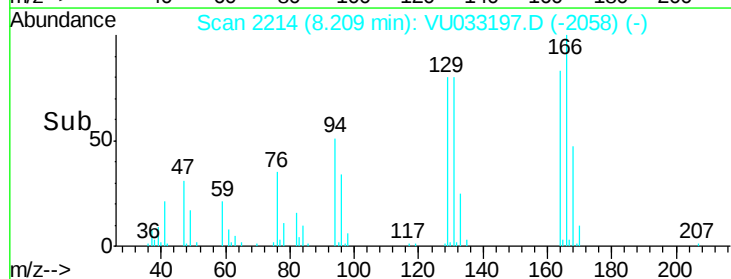
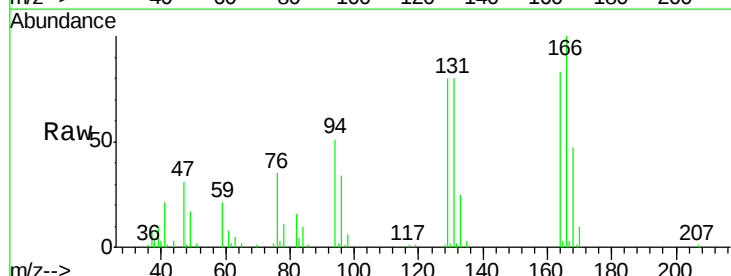
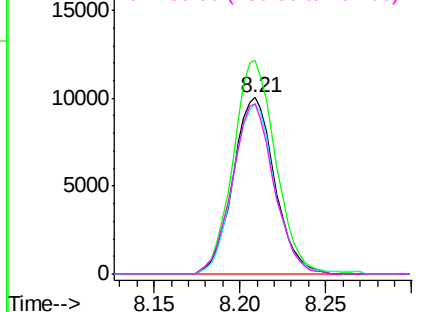
Abundance

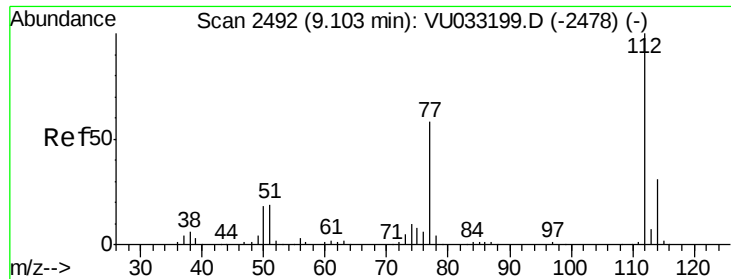
Ion 163.85 (163.55 to 164.55): VU033197.D (-2058) (-)

Ion 165.80 (165.50 to 166.50): VU033197.D (-2058) (-)

Ion 128.90 (128.60 to 129.60): VU033197.D (-2058) (-)

Ion 130.90 (130.60 to 131.60): VU033197.D (-2058) (-)





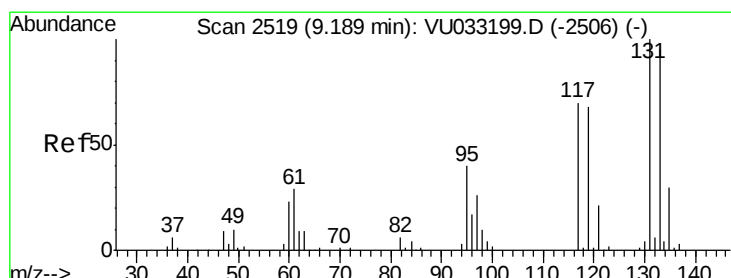
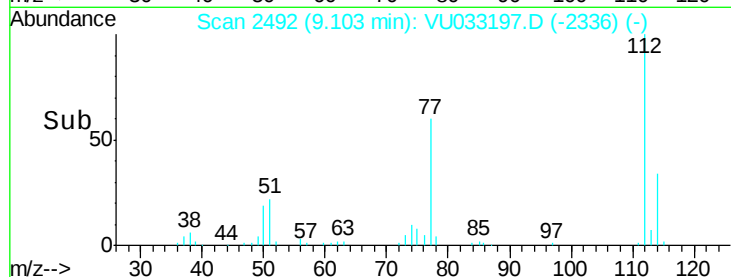
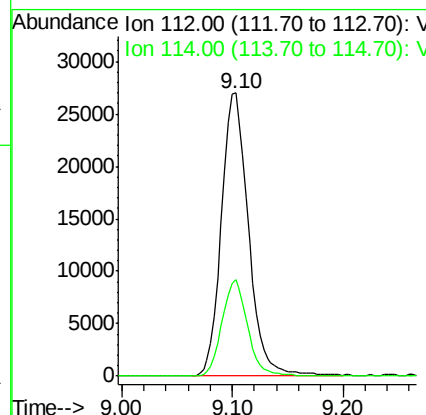
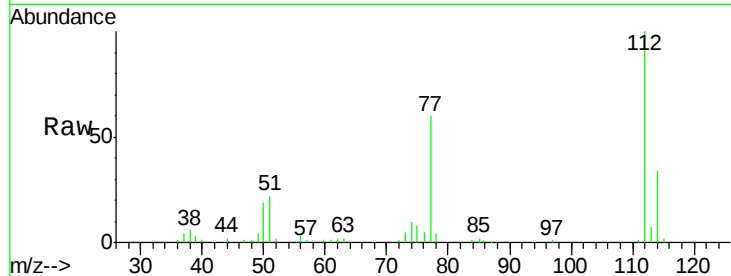
#59
Chlorobenzene
Concen: 1.801 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:112 Resp: 46051
Ion Ratio Lower Upper
112 100
114 33.9 25.1 37.7

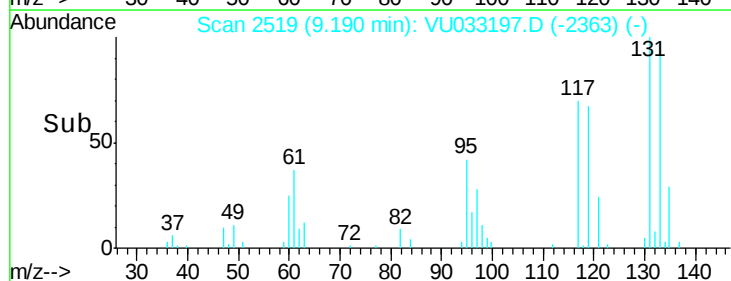
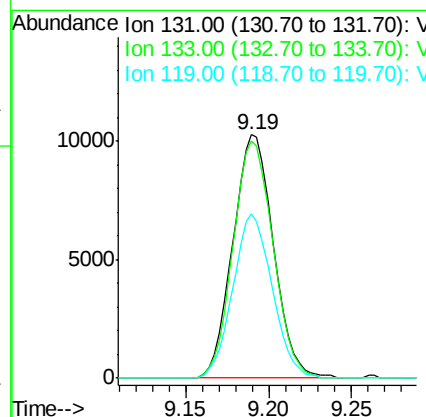
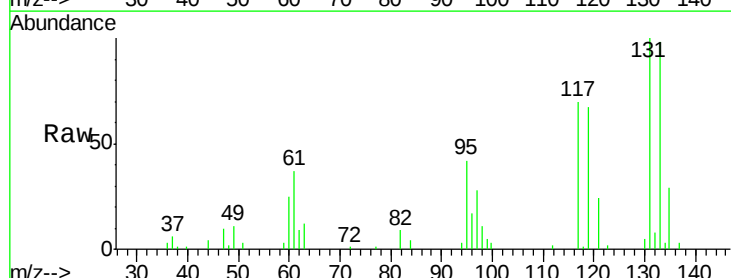
Manual Integrations
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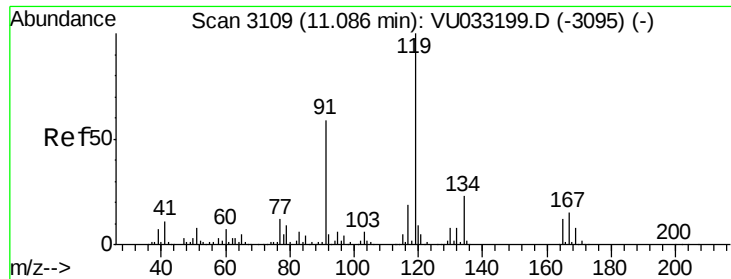
MMDadoda
7/16/2019 4:03:15 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.782 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion:131 Resp: 17444
Ion Ratio Lower Upper
131 100
133 96.1 76.7 115.1
119 65.3 54.2 81.2





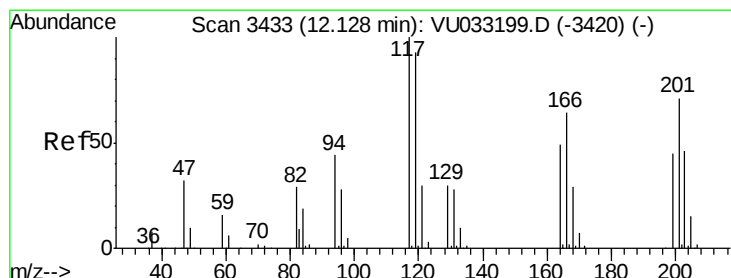
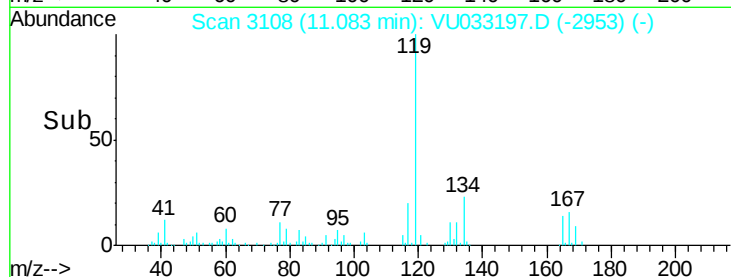
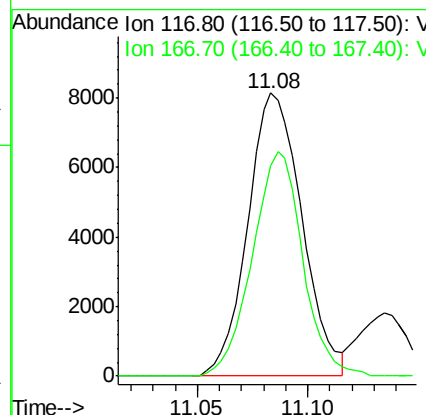
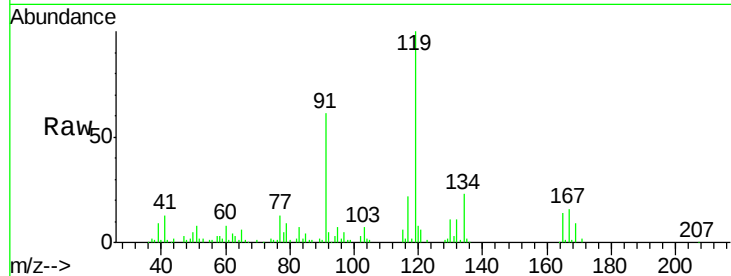
#61
 Pentachloroethane
 Concen: 1.741 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. -0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:117 Resp: 13843
 Ion Ratio Lower Upper
 117 100
 167 73.9 63.6 95.4

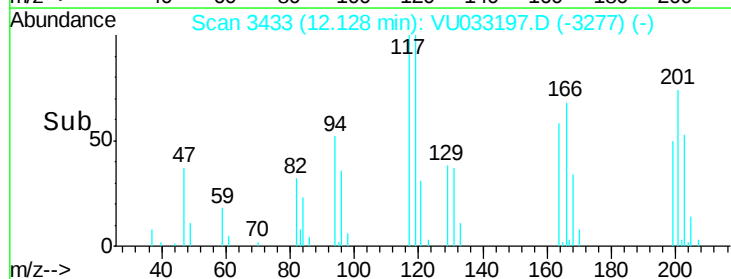
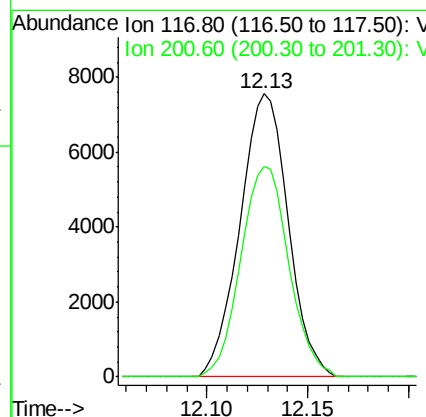
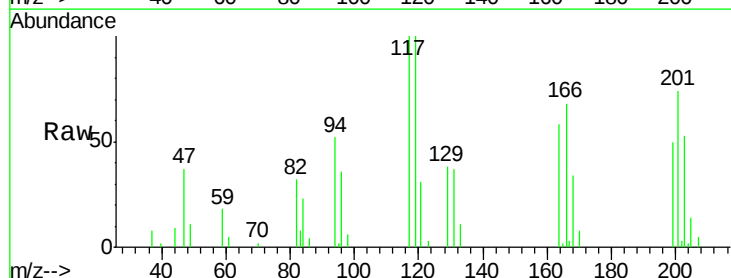
Manual Integrations
 APPROVED

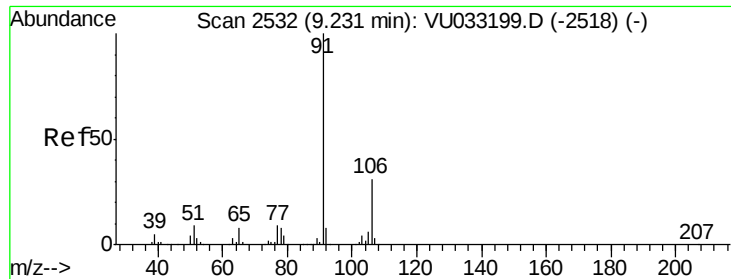
MMDadoda
 7/16/2019 4:03:15 PM



#62
 Hexachloroethane
 Concen: 1.655 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Tgt Ion:117 Resp: 12633
 Ion Ratio Lower Upper
 117 100
 201 74.2 58.5 87.7





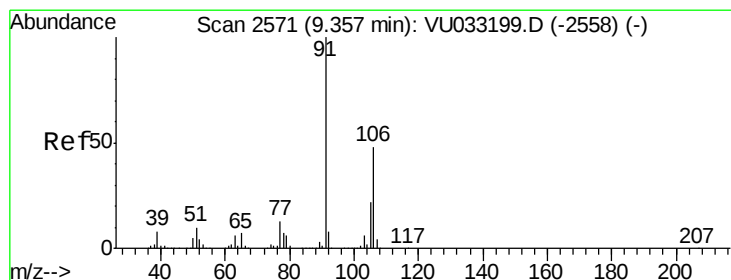
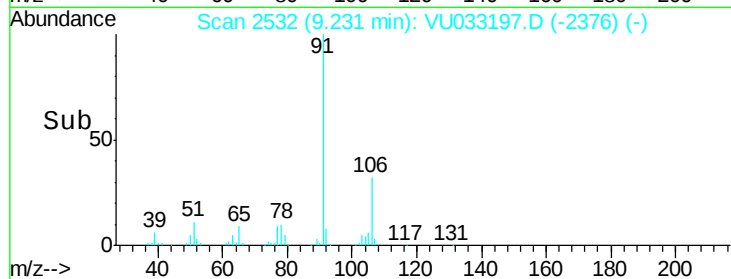
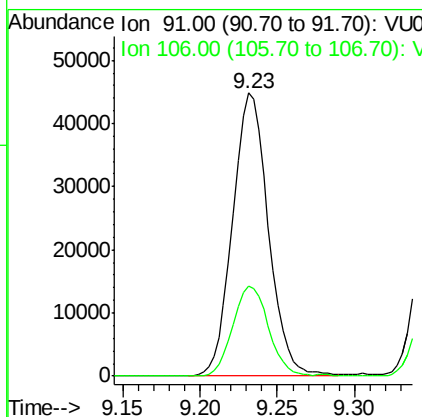
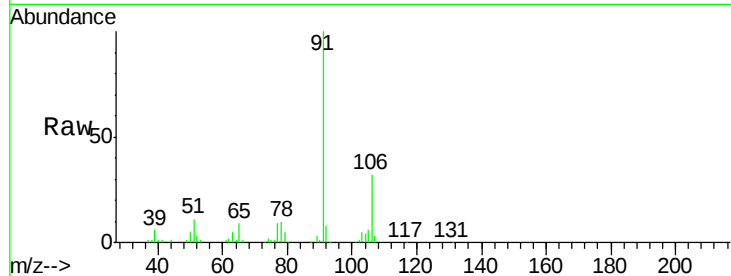
#63
Ethyl Benzene
Concen: 1.708 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	91.00	Resp	71917
Ion Ratio	100	Lower	Upper
106	32.0	24.9	37.3

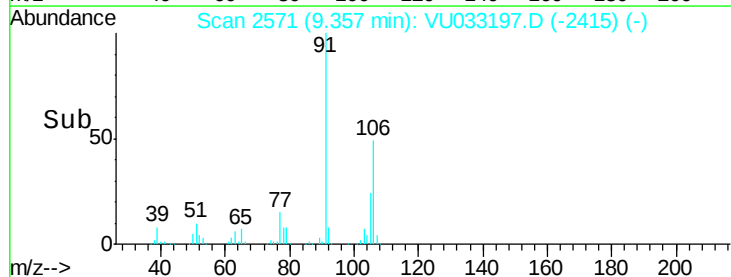
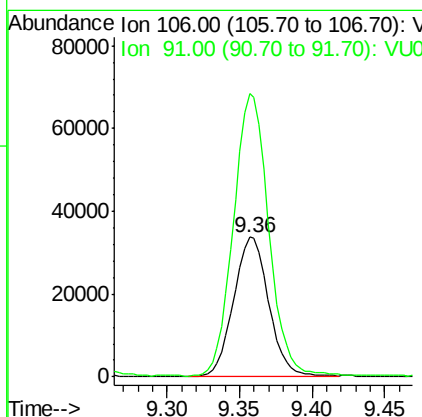
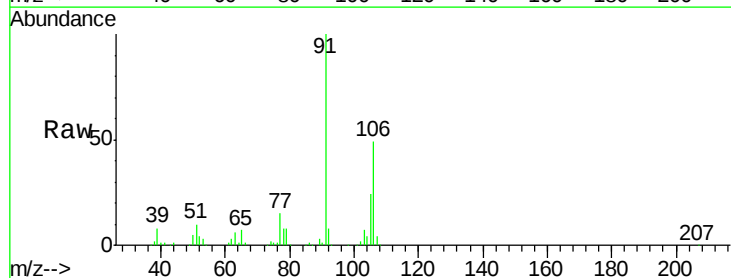
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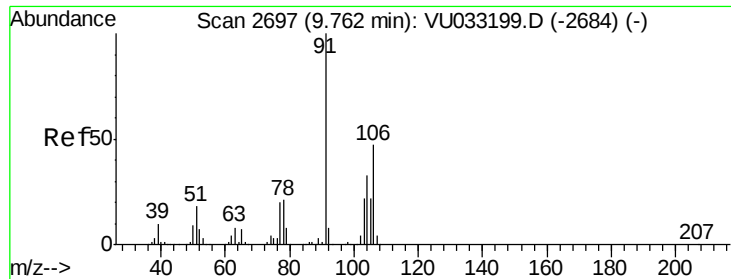
MMDadoda
7/16/2019 4:03:15 PM



#64
m/p-Xylenes
Concen: 3.485 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	106	Resp	57192
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	201.0	164.8	247.2





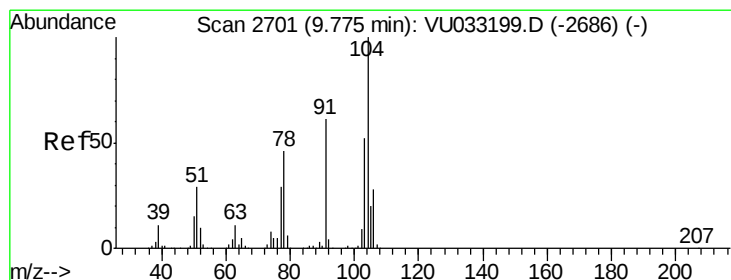
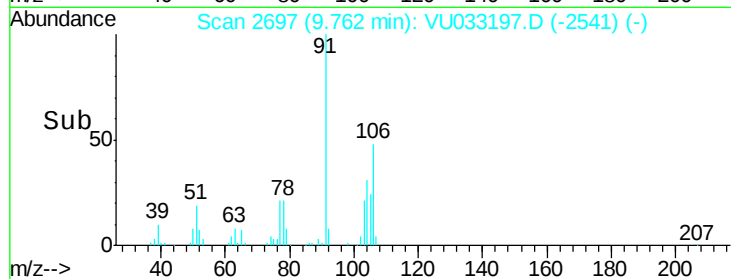
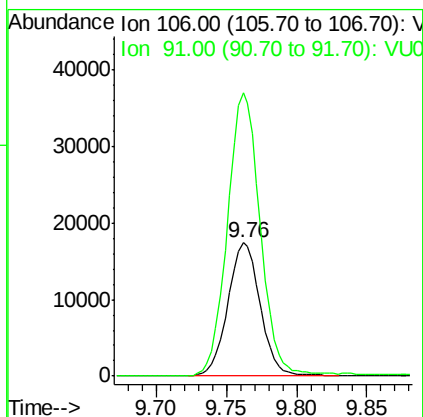
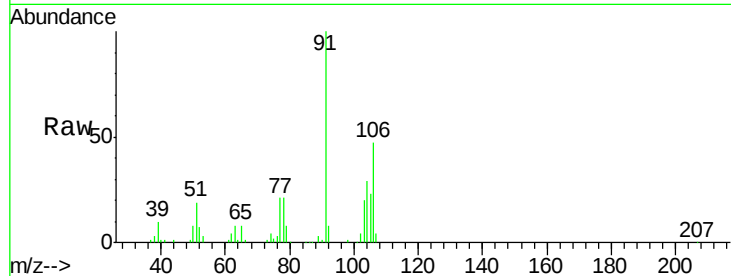
#65
o-Xylene
Concen: 1.778 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
28021	106	100		
	91	215.7	108.6	325.8

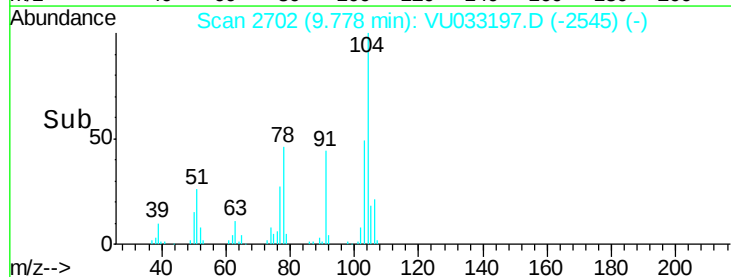
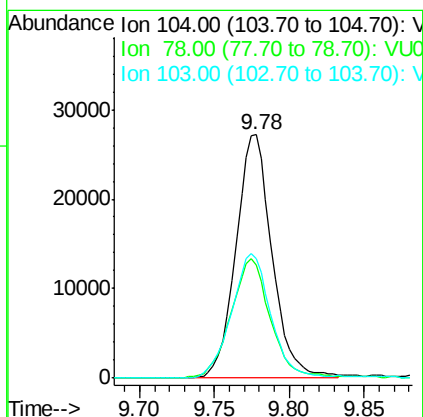
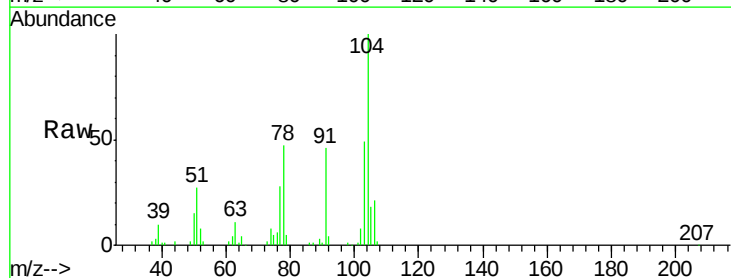
Manual Integrations
APPROVED

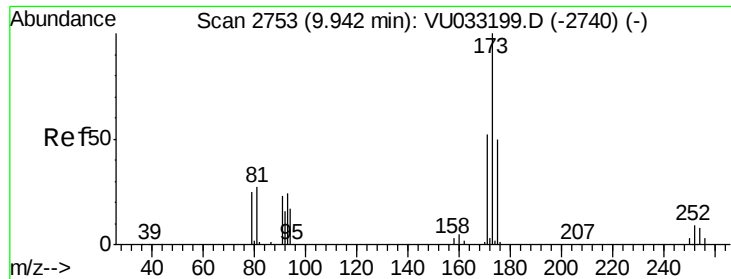
MMDadoda
7/16/2019 4:03:15 PM



#66
Styrene
Concen: 1.724 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	Ion	Ratio	Lower	Upper
45737	104	100		
	78	53.7	40.4	60.6
	103	55.1	44.3	66.5





#67

Bromoform

Concen: 1.937 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

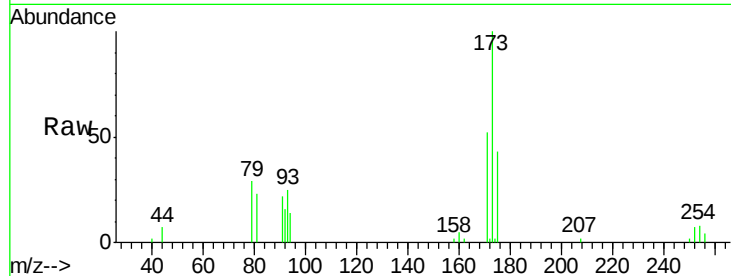
VSTDIC002

Tot Ion:	173	Resp:	9615
Ion Ratio	Lower	Upper	
173	100		
175	46.5	39.4	59.0
254	7.7	6.9	10.3

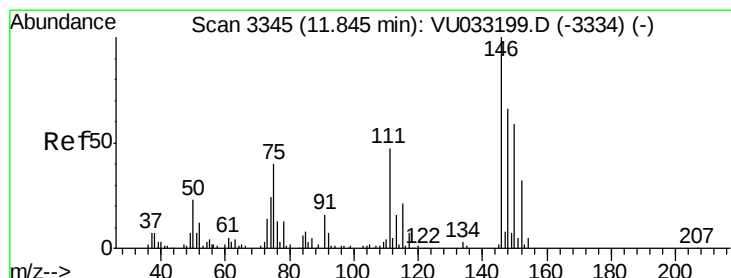
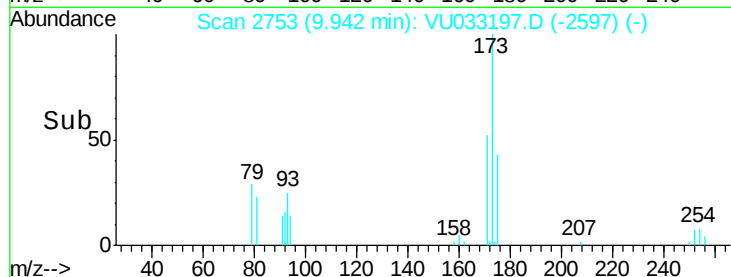
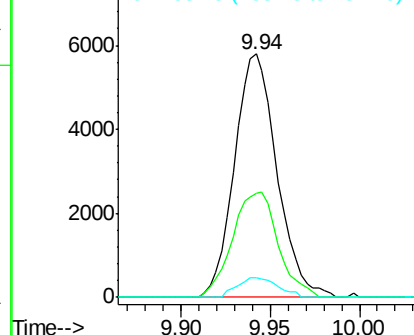
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.992 ug/l

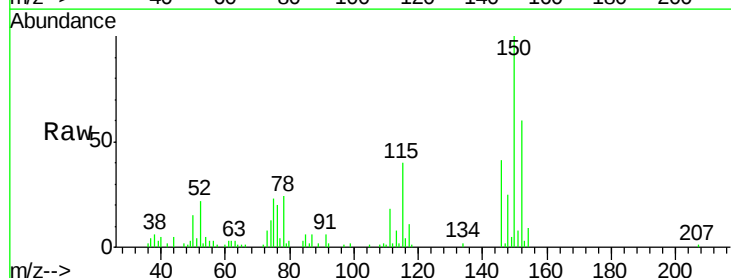
RT: 11.85 min Scan# 3345

Delta R.T. 0.00 min

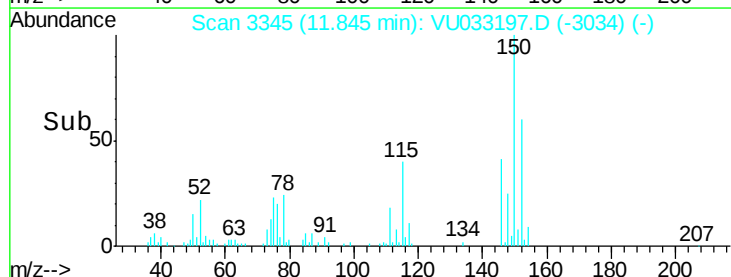
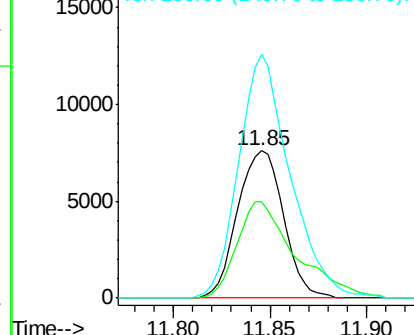
Lab File: VU033197.D

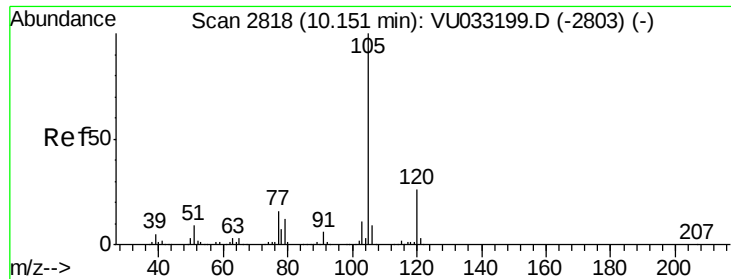
Acq: 11 Jul 2019 17:47

Tgt Ion:	152	Resp:	12617
Ion Ratio	Lower	Upper	
152	100		
115	82.7	0.0	131.0
150	184.9	0.0	634.4



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





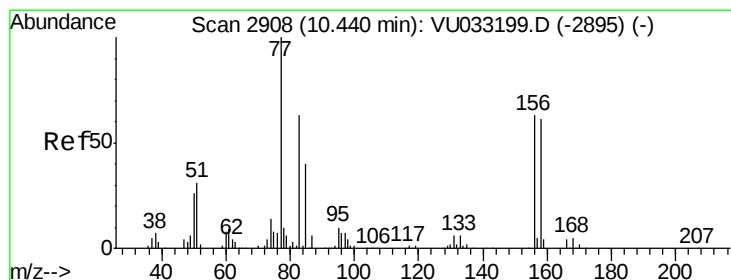
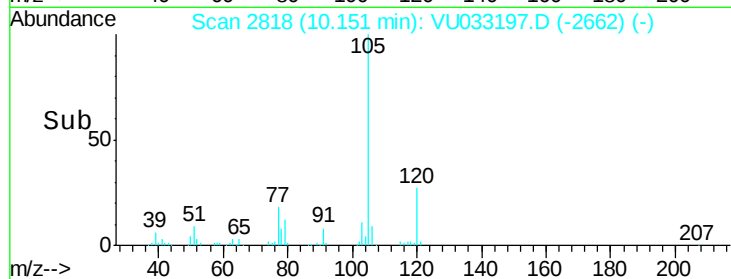
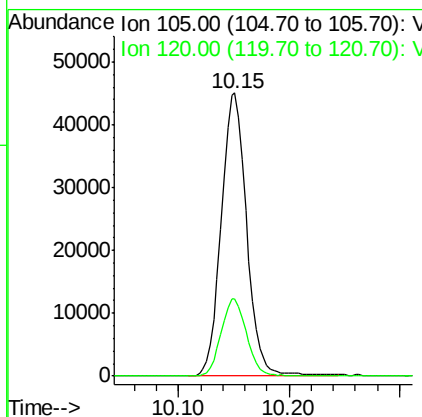
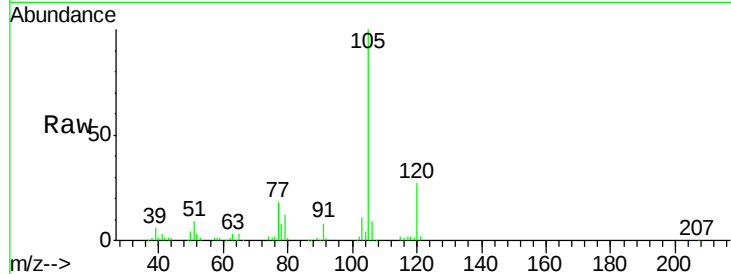
#69
Isopropylbenzene
Concen: 1.755 ug/l
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.2	39.6

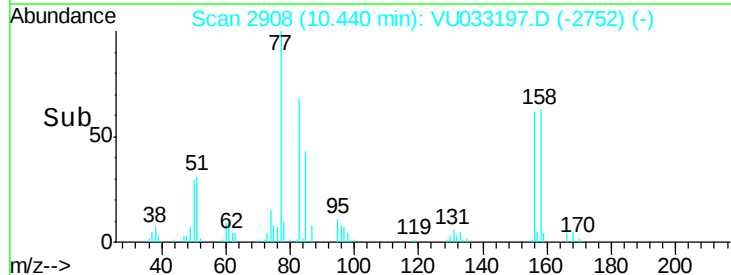
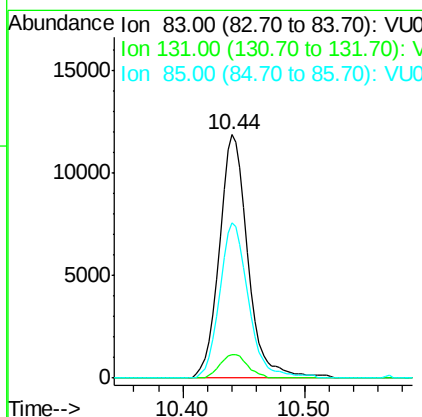
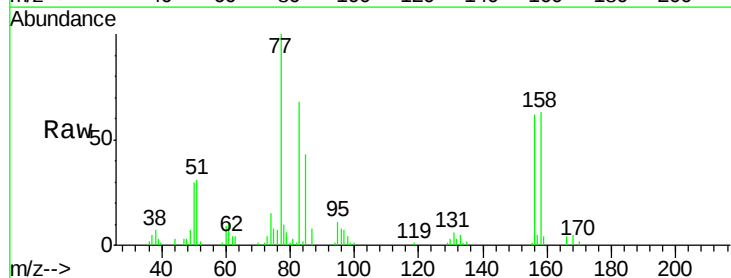
Manual Integrations
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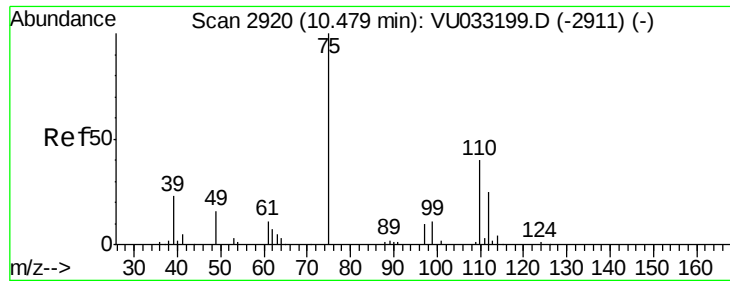
MMDadoda
7/16/2019 4:03:15 PM



#70
1,1,2,2-Tetrachloroethane
Concen: 1.901 ug/l
RT: 10.44 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.2	8.0	12.0
85	64.5	50.6	76.0





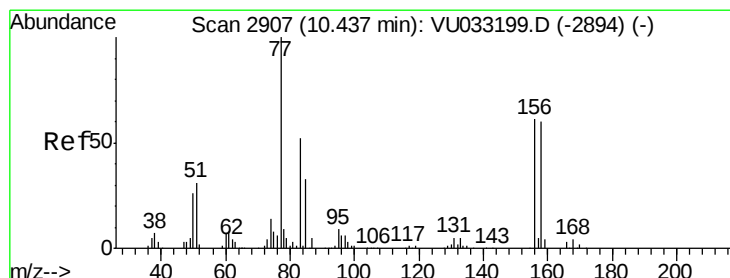
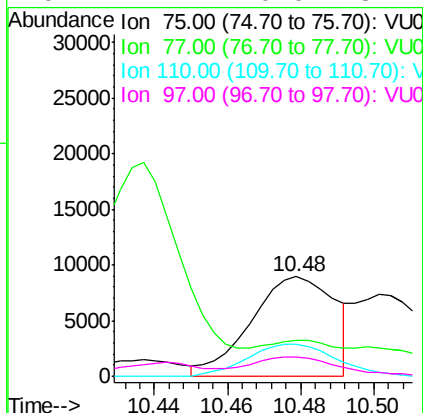
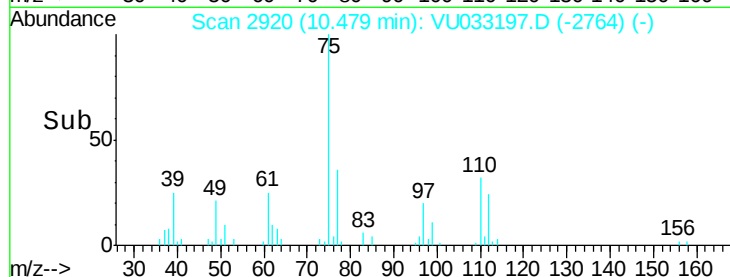
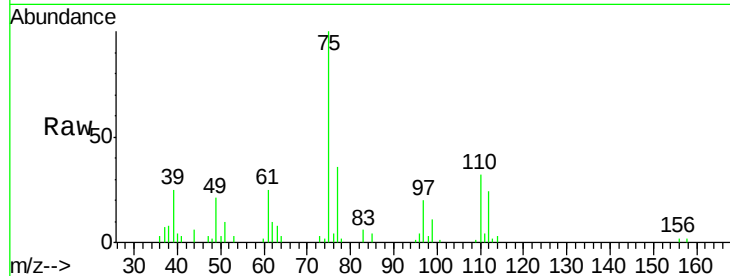
#71
1,2,3-Trichloropropane
Concen: 1.934 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	75	Resp	14298
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	15.4
110	34.1	0.0	72.2
97	21.1	0.0	37.2

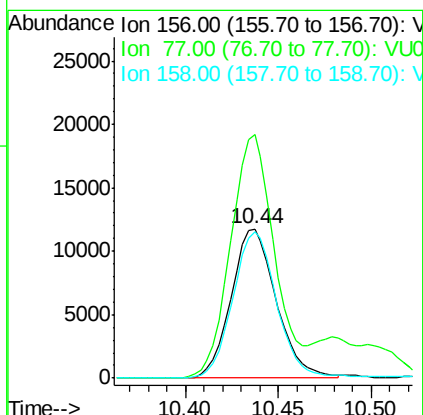
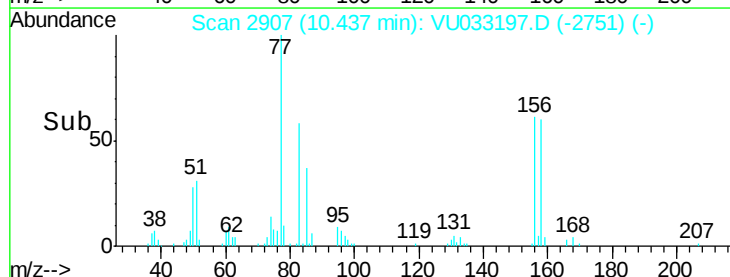
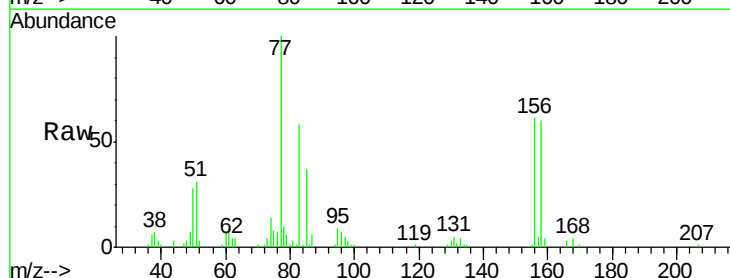
Manual Integrations
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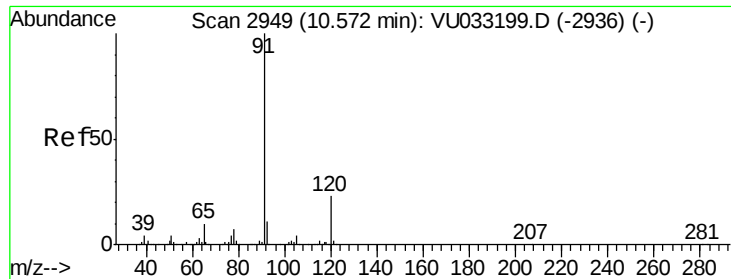
MMDadoda
7/16/2019 4:03:15 PM



#72
Bromobenzene
Concen: 1.889 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	156	Resp	19843
Ion Ratio	Lower	Upper	
156	100		
77	160.2	0.0	326.0
158	95.5	0.0	193.2





#73

n-propylbenzene

Concen: 1.844 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

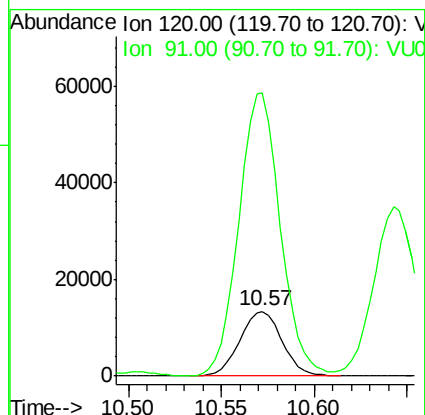
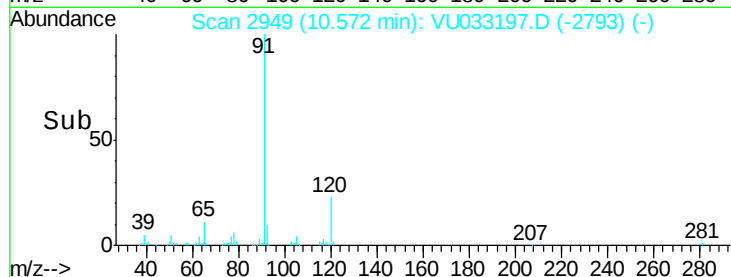
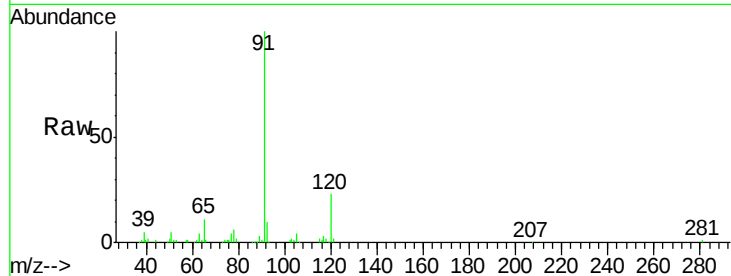
Tot Ion:120 Resp: 21103

Ion Ratio Lower Upper

120 100

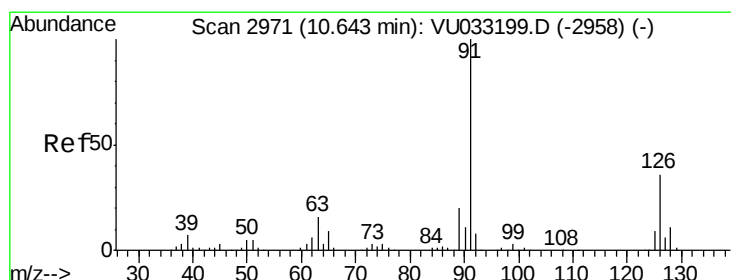
91 428.1 349.0 523.4

Manual Integrations
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7/16/2019 4:03:15 PM



#74

2-Chlorotoluene

Concen: 1.833 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.00 min

Lab File: VU033197.D

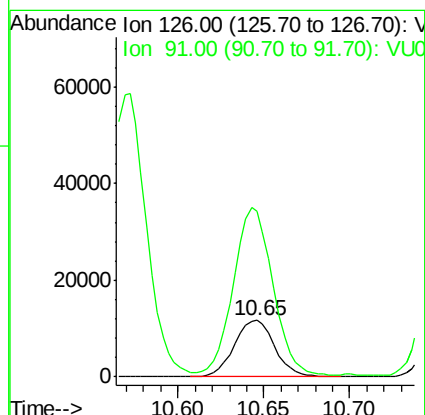
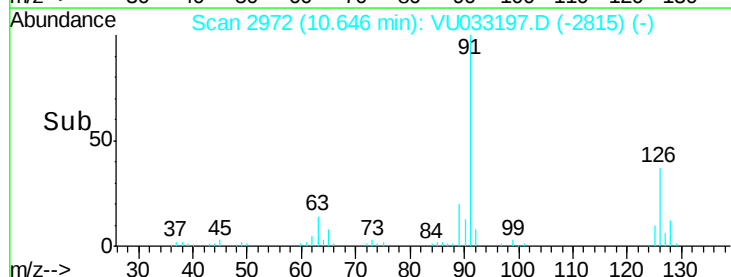
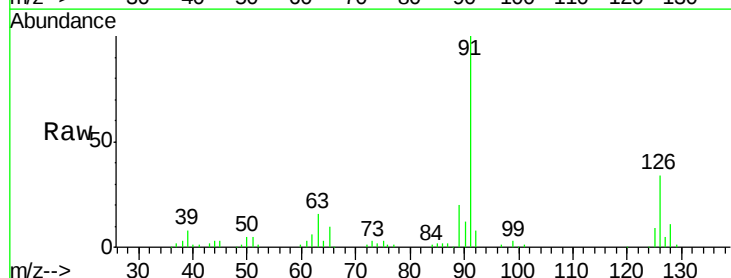
Acq: 11 Jul 2019 17:47

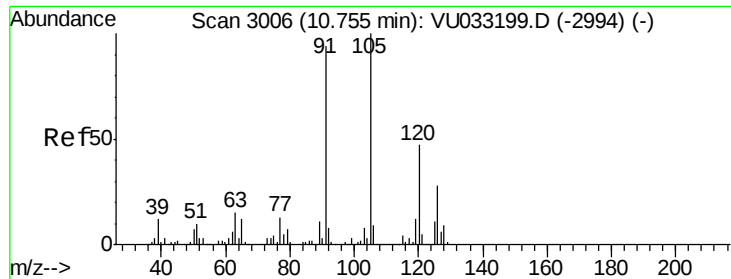
Tgt Ion:126 Resp: 19175

Ion Ratio Lower Upper

126 100

91 288.1 0.0 592.2





#75

1,3,5-Trimethylbenzene

Concen: 1.716 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 62544

Ion Ratio Lower Upper

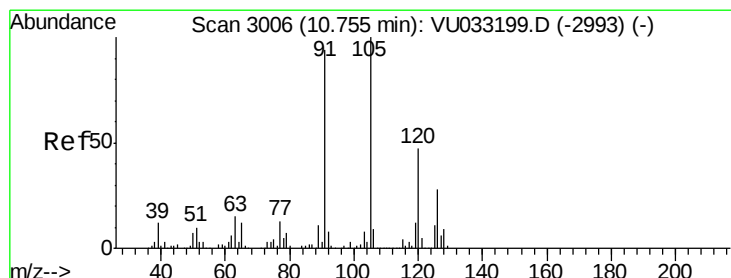
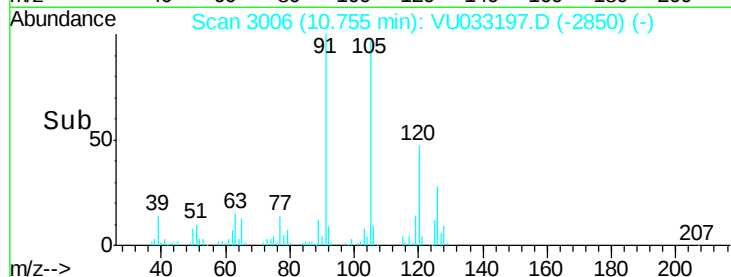
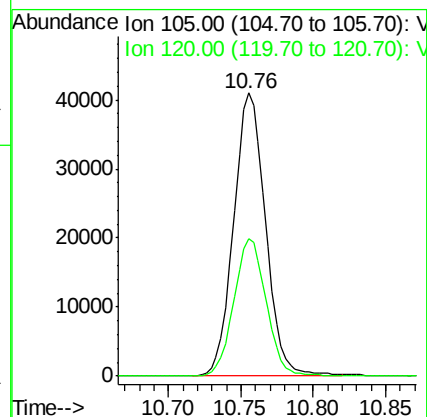
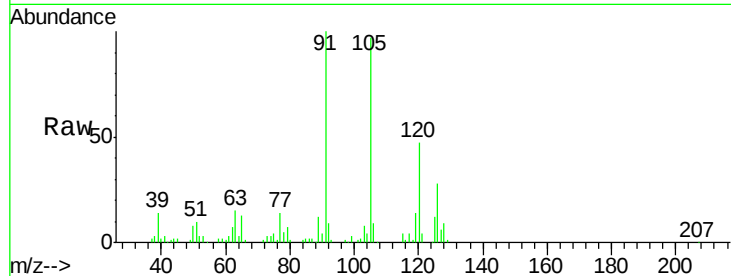
105 100

120 49.1 37.8 56.8

Manual Integrations
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#76

4-Chlorotoluene

Concen: 1.778 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033197.D

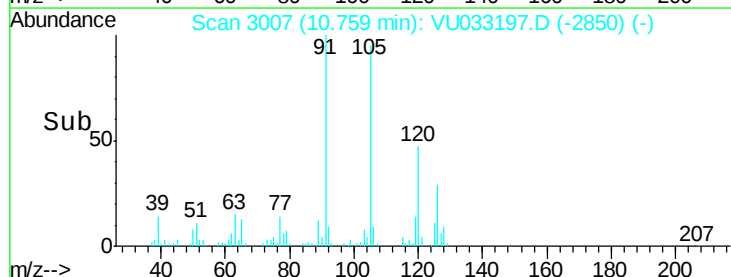
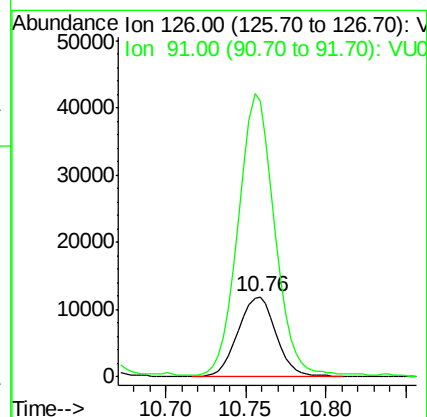
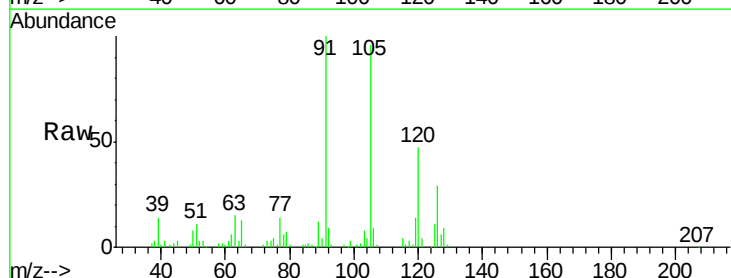
Acq: 11 Jul 2019 17:47

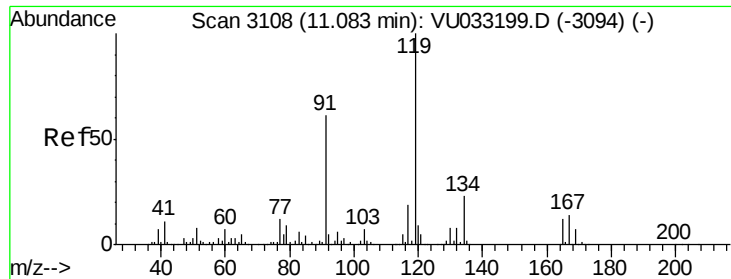
Tgt Ion:126 Resp: 19492

Ion Ratio Lower Upper

126 100

91 328.8 0.0 663.4





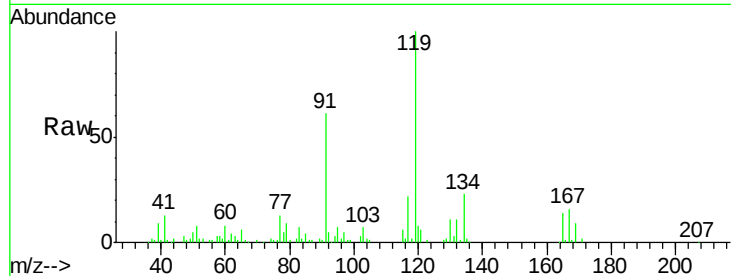
#77
tert-Butylbenzene
Concen: 1.718 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

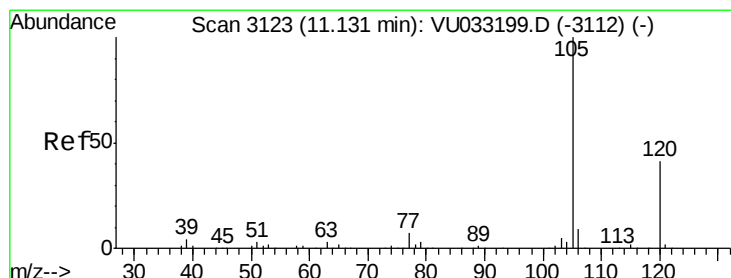
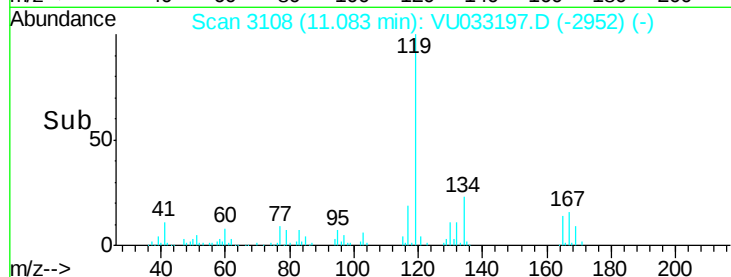
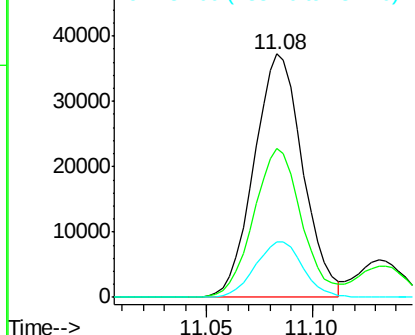
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.8	89.5
134	22.3	18.2	27.4

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7/16/2019 4:03:15 PM

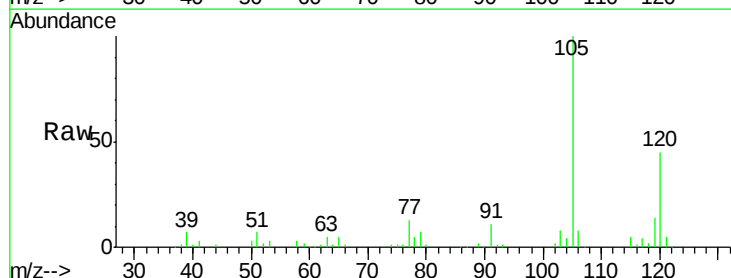


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

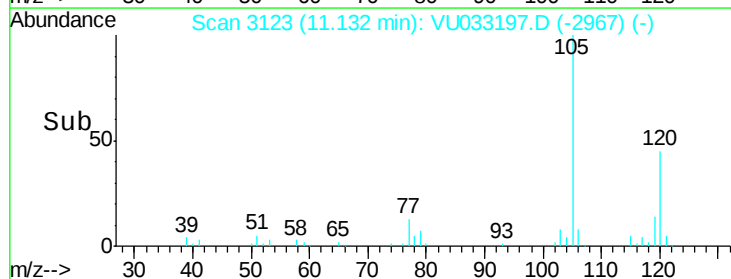
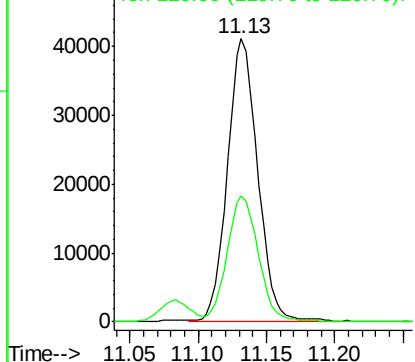


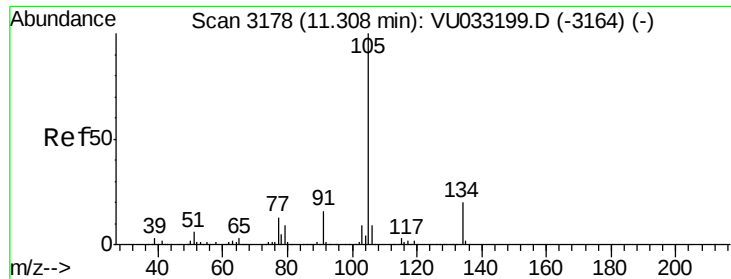
#78
1,2,4-Trimethylbenzene
Concen: 1.701 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033197.D
Acq: 11 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.731 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 82236

Ion Ratio Lower Upper

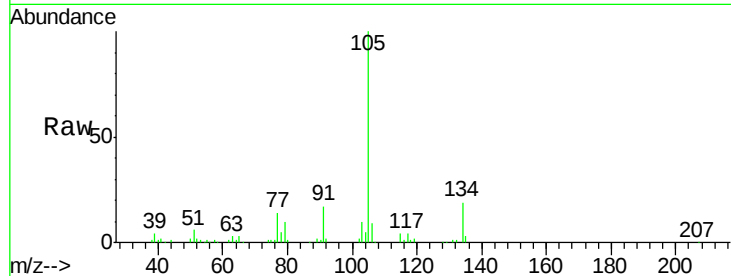
105 100

134 19.6 15.8 23.8

Manual Integrations
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7/16/2019 4:03:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.31

60000

50000

40000

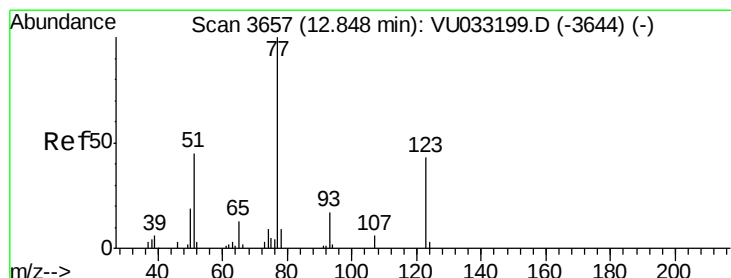
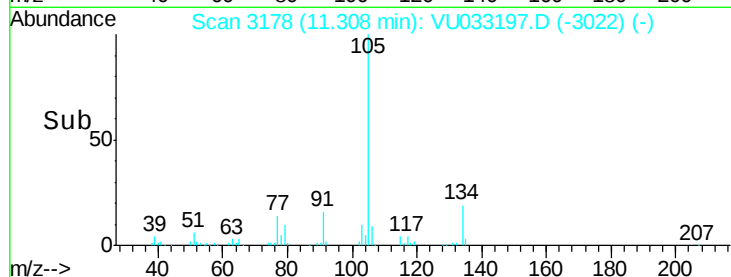
30000

20000

10000

0

Time-->



#80

Nitrobenzene

Concen: 11.392 ug/l m

RT: 12.86 min Scan# 3660

Delta R.T. 0.01 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

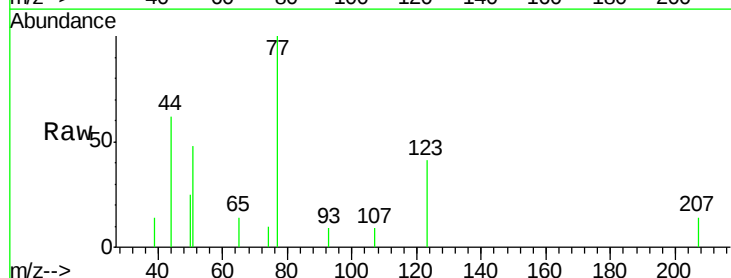
Tgt Ion: 77 Resp: 2895

Ion Ratio Lower Upper

77 100

123 34.5 20.9 74.1

65 5.0 10.7 13.7#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.86

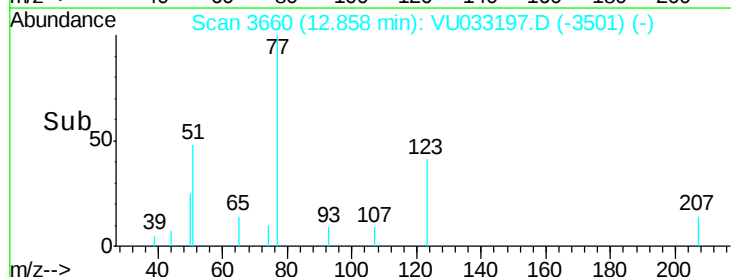
1500

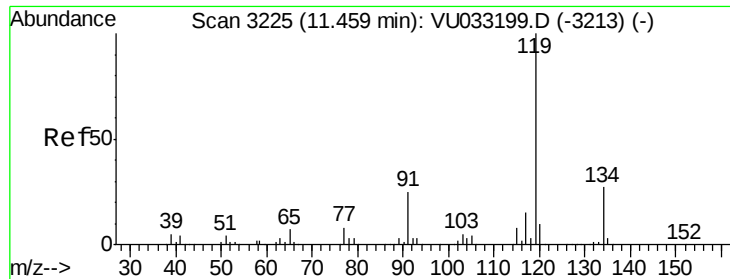
1000

500

0

Time-->





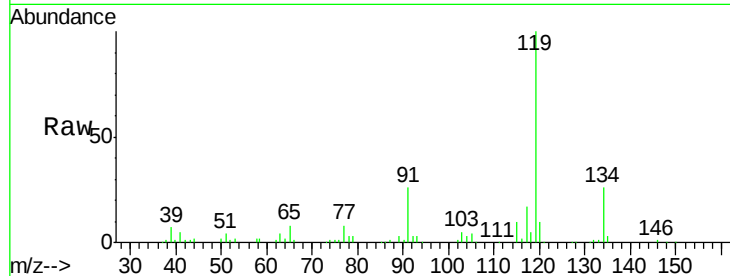
#81
 p-Isopropyltoluene
 Concen: 1.728 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	21.1	31.7
91	25.8	19.7	29.5

Manual Integrations
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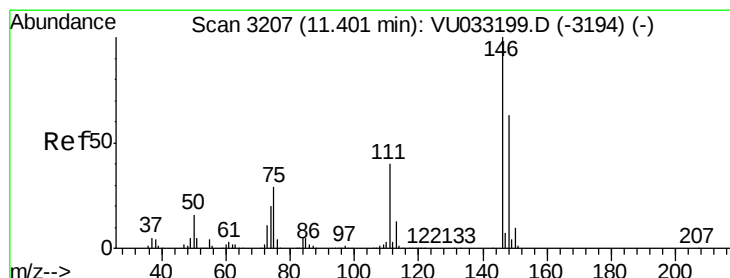
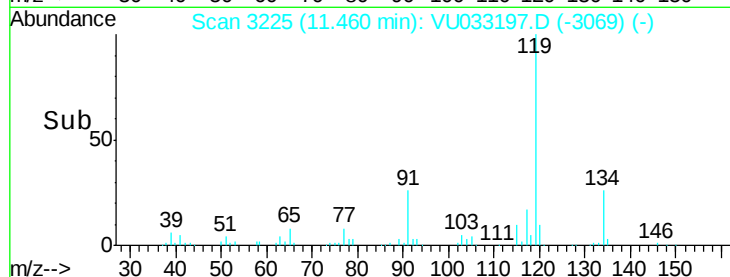
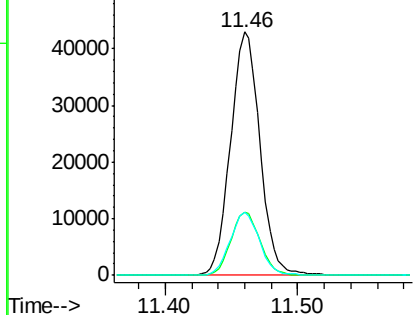


Abundance

Ion 119.00 (118.70 to 119.70): V

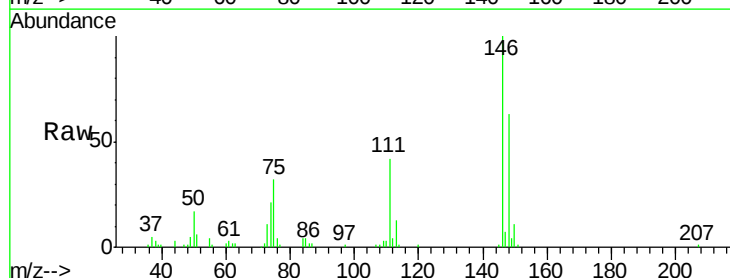
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82
 1,3-Dichlorobenzene
 Concen: 1.805 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	32.2	48.4
148	64.1	50.8	76.2

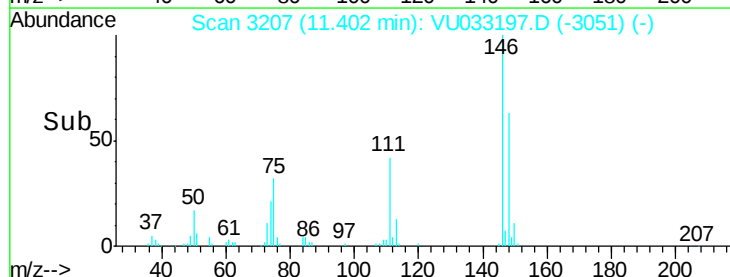
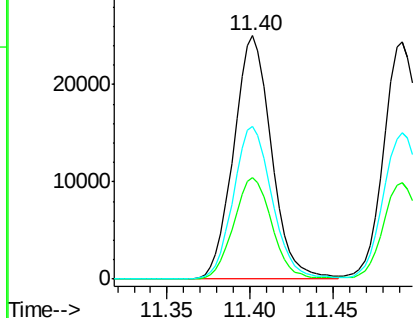


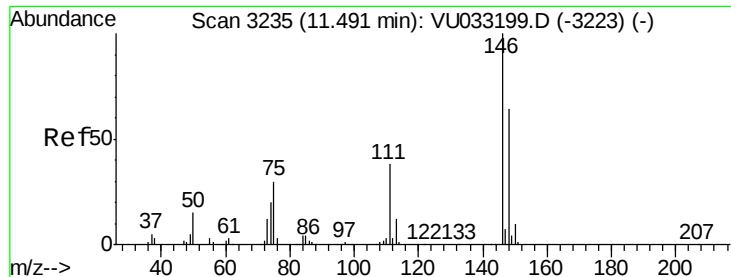
Abundance

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





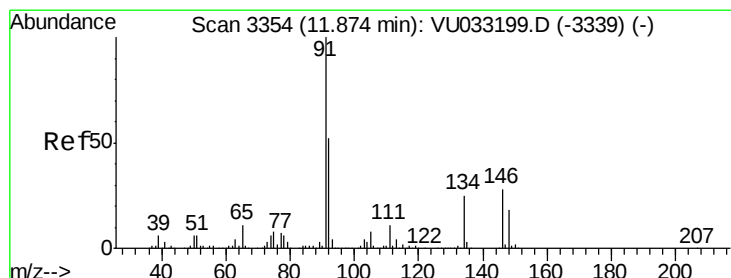
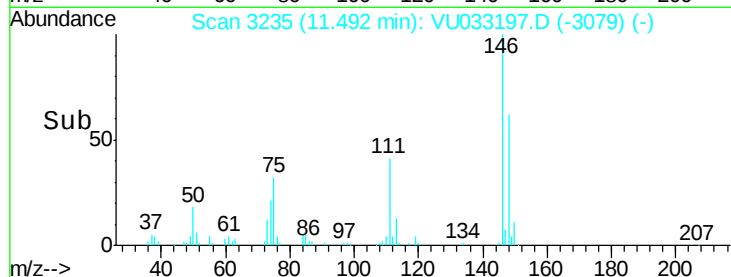
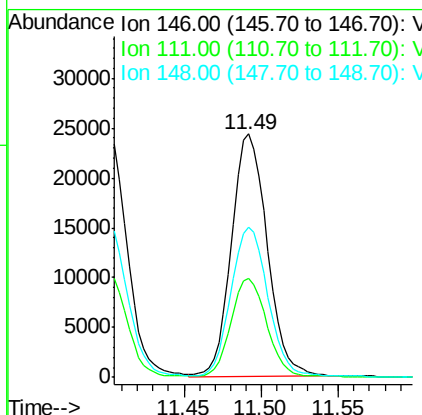
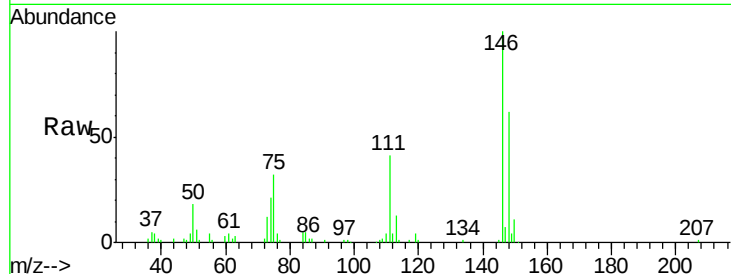
#83
 1,4-Dichlorobenzene
 Concen: 1.788 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	30.8	46.2
148	63.6	50.6	76.0

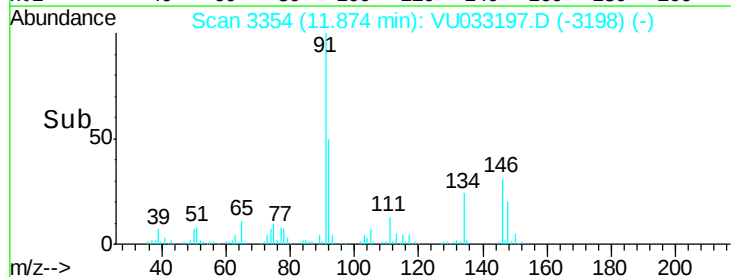
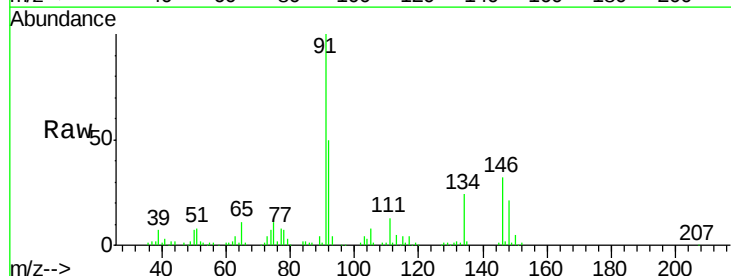
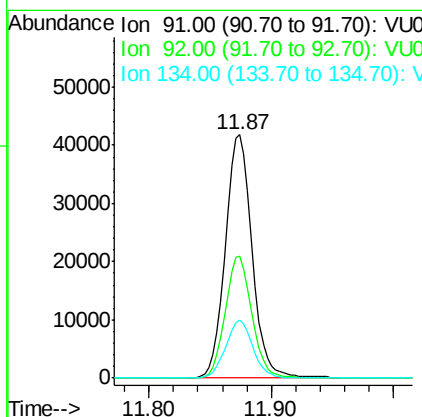
Manual Integrations
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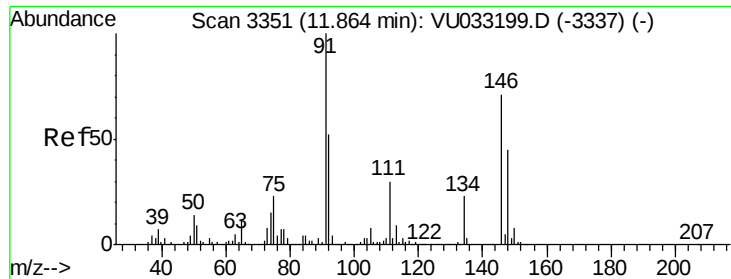
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 7/16/2019 4:03:15 PM



#84
 n-Butylbenzene
 Concen: 1.732 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.4	41.5	62.3
134	24.1	19.6	29.4





#85

1,2-Dichlorobenzene

Concen: 1.856 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 146 Resp: 37918

Ion Ratio Lower Upper

146 100

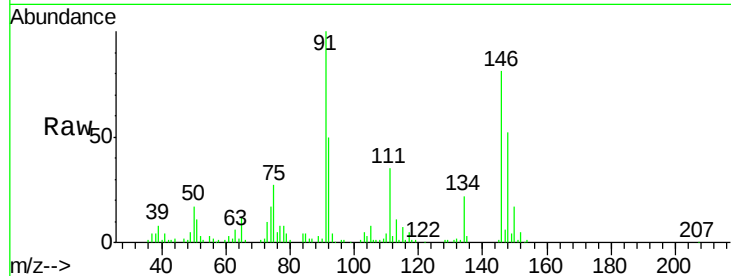
111 42.7 21.3 63.7

148 64.5 32.0 96.0

Manual Integrations
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7/16/2019 4:03:15 PM

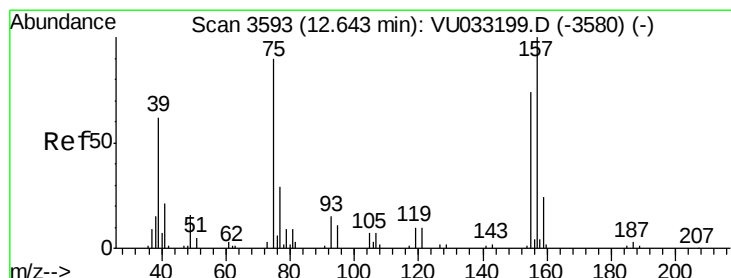
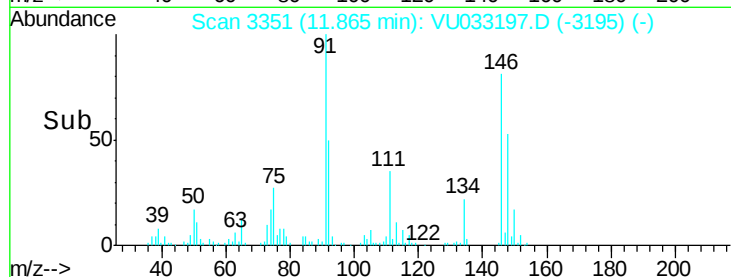
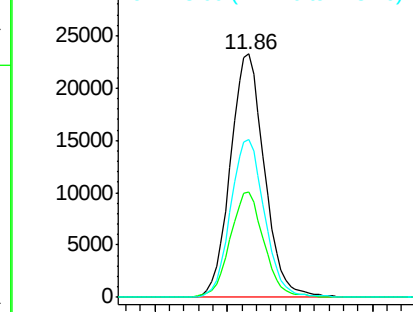


Abundance

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



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.979 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. -0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

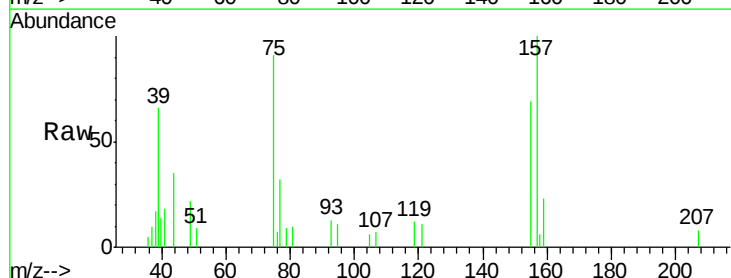
Tgt Ion: 75 Resp: 3138

Ion Ratio Lower Upper

75 100

155 74.2 60.6 90.8

157 104.1 82.5 123.7

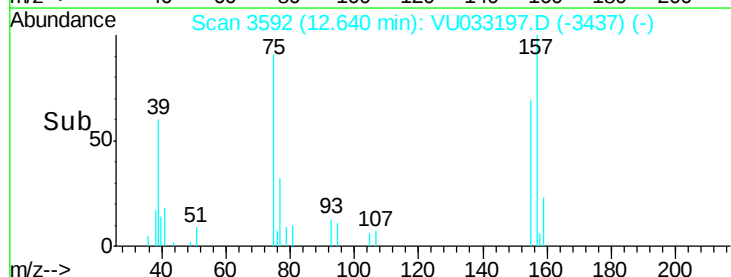
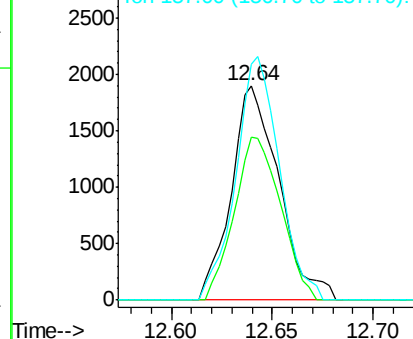


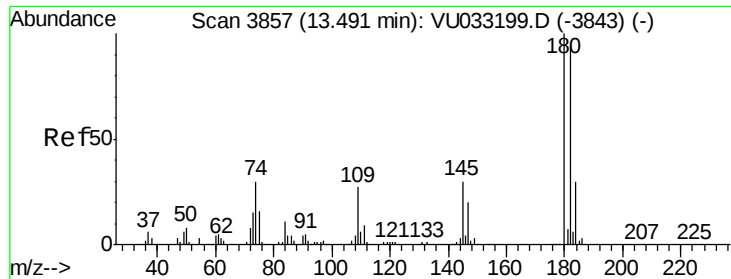
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





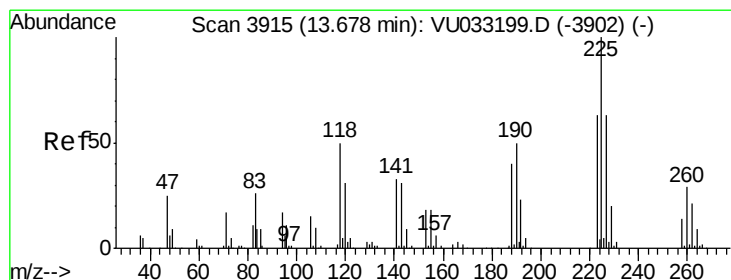
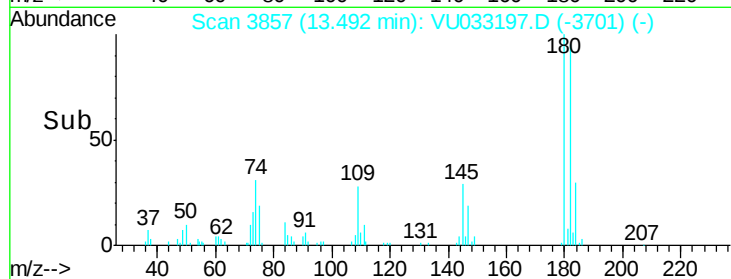
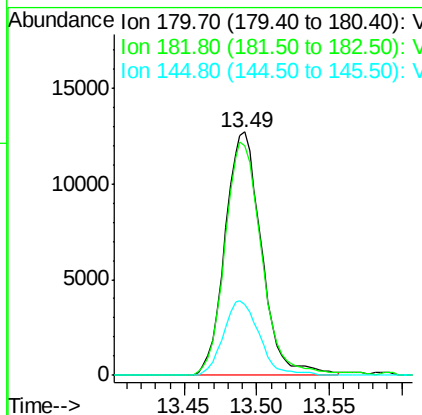
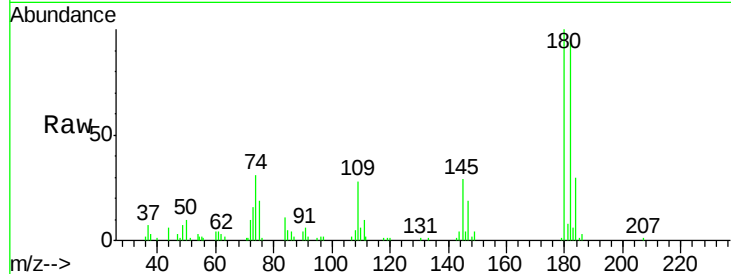
#87
 1,2,4-Trichlorobenzene
 Concen: 1.965 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:	180	Resp:	22106
Ion Ratio	Lower	Upper	
180	100		
182	97.1	75.4	113.2
145	30.2	24.5	36.7

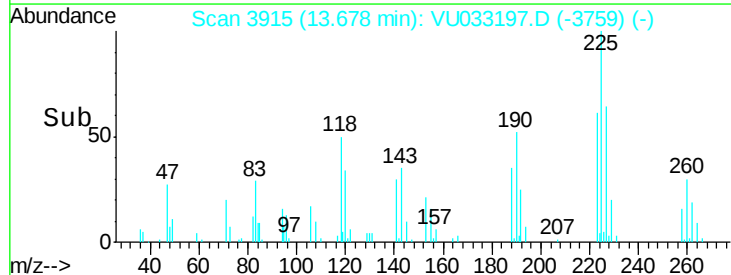
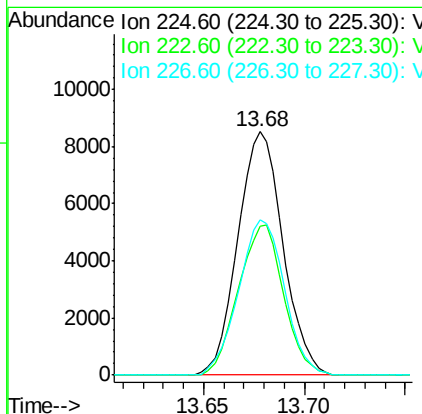
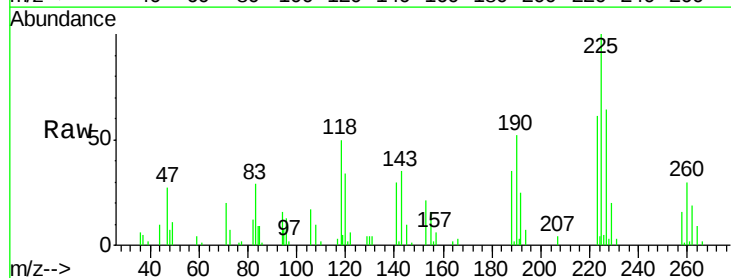
Manual Integrations
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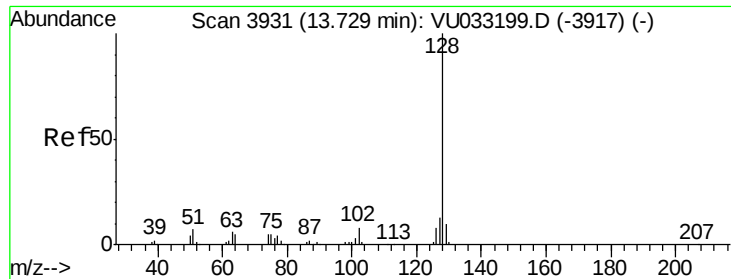
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 7/16/2019 4:03:15 PM



#88
 Hexachlorobutadiene
 Concen: 1.830 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU033197.D
 Acq: 11 Jul 2019 17:47

Tgt Ion:	225	Resp:	13357
Ion Ratio	Lower	Upper	
225	100		
223	61.6	51.1	76.7
227	64.8	51.2	76.8





#89

Naphthalene

Concen: 2.036 ug/l

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

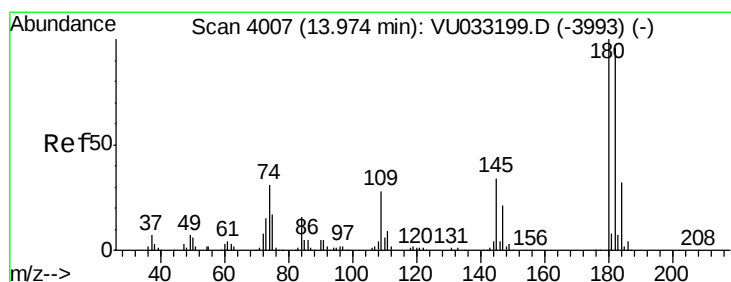
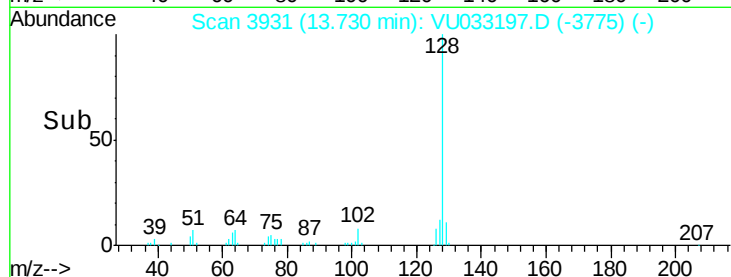
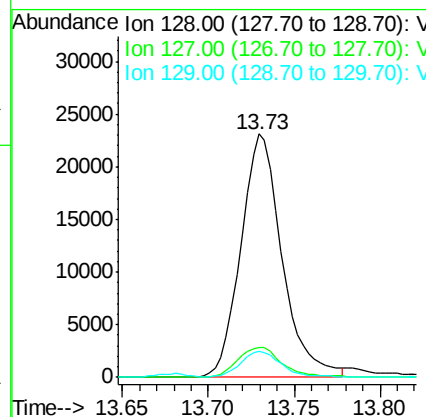
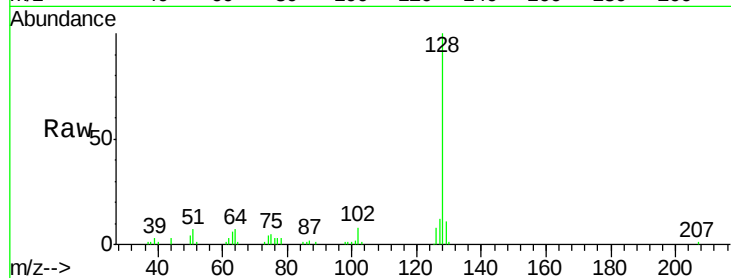
VSTDIC002

Tot Ion:	128	Resp:	38454
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.6	8.6	12.8

Manual Integrations
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7/16/2019 4:03:15 PM



#90

1,2,3-Trichlorobenzene

Concen: 1.934 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033197.D

Acq: 11 Jul 2019 17:47

Tgt Ion:	180	Resp:	21160
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.2	114.4
145	31.8	26.6	40.0

