

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091119\
 Data File : VU034474.D
 Acq On : 11 Sep 2019 13:56
 Operator : JC/SP
 Sample : VU0911WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 4:53:44 PM

Quant Time: Sep 12 04:03:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 12 02:53:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	63532	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	23420	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	26281	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	43816	1.884	ug/l	99
3) Chloromethane	1.33	50	51572	2.015	ug/l	100
4) Vinyl Chloride	1.40	62	47961	1.908	ug/l	100
5) Bromomethane	1.62	94	27863	1.902	ug/l	98
6) Chloroethane	1.69	64	28398	1.949	ug/l	97
7) Trichlorofluoromethane	1.88	101	60002	1.940	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	31724	1.891	ug/l	98
9) 1,1-Dichloroethene	2.28	96	31931	1.889	ug/l	96
10) Iodomethane	2.40	142	16872	1.290	ug/l	98
11) Allyl Chloride	2.58	41	51421	1.851	ug/l	97
12) Acrylonitrile	2.93	53	13259	3.764	ug/l	94
13) Acetone	2.31	43	28689	9.778	ug/l	97
14) Carbon Disulfide	2.47	76	112964	1.903	ug/l	99
15) Methylene Chloride	2.69	84	38859	1.977	ug/l	96
16) trans-1,2-Dichloroethene	2.97	96	34868	1.843	ug/l	99
17) 1,1-Dichloroethane	3.42	63	68792	1.907	ug/l	99
18) 2-Butanone	4.26	43	40847	9.639	ug/l	97
19) Cyclohexane	4.97	56	51428m	1.819	ug/l	
20) Methylcyclohexane	6.39	83	54076	1.834	ug/l	97
21) 2,2-Dichloropropane	4.20	77	54582	1.836	ug/l	100
22) cis-1,2-Dichloroethene	4.20	96	38043	1.855	ug/l	97
23) Diethyl Ether	2.10	59	24135	1.906	ug/l	98
24) tert-Butyl Alcohol	2.82	59	32229	19.503	ug/l #	95
25) Methyl tert-Butyl Ether	2.99	73	79256	1.956	ug/l	97
26) Bromochloromethane	4.53	128	16854	1.943	ug/l	96
27) Chloroform	4.65	83	70750	1.887	ug/l	97
28) 1,1,1-Trichloroethane	4.89	97	55150	1.875	ug/l	97
29) 1,1-Dichloropropene	5.11	75	45439	1.788	ug/l	98
30) Carbon Tetrachloride	5.11	117	50000	1.897	ug/l	100
31) Isopropyl Ether	3.56	45	99506	1.916	ug/l	98
32) Ethyl-t-butyl ether	4.05	59	84089	1.892	ug/l	98
33) Tert-Amyl methyl ether	5.56	73	69394	1.864	ug/l	98
34) Propionitrile	4.32	54	11167	9.282	ug/l #	85
35) Benzene	5.37	78	144104	1.890	ug/l	99
36) 1,2-Dichloroethane	5.39	62	38646	1.974	ug/l	100
37) Trichloroethene	6.16	130	40636	1.905	ug/l	96
38) 1,2-Dichloropropane	6.41	63	38478	1.905	ug/l	94
39) Methacrylonitrile	4.53	41	9829	1.974	ug/l	97
40) Methyl acrylate	4.42	55	13170	1.736	ug/l #	97
41) Tetrahydrofuran	4.63	42	10077	3.951	ug/l	97
42) 1-Chlorobutane	5.04	56	65169	1.887	ug/l	99

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Quant Time: Sep 12 04:03:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 12 02:53:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	17493	1.840	ug/l	98
44) Bromodichloromethane	6.74	83	46867	1.919	ug/l	100
45) 4-Methyl-2-Pentanone	7.45	43	93715	9.724	ug/l	98
46) t-1,4-Dichloro-2-butene	10.50	75	14000m	3.645	ug/l	
47) Methyl methacrylate	6.61	69	28658	3.780	ug/l	97
48) Ethyl methacrylate	8.00	69	25049	1.839	ug/l	98
49) Toluene	7.62	92	83007	1.866	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	36435	1.812	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	46879	1.852	ug/l	97
52) 1,1,2-Trichloroethane	8.05	97	25624	1.941	ug/l	97
53) 1,3-Dichloropropane	8.23	76	41464	1.878	ug/l	99
54) 2-Hexanone	8.35	43	59977	9.284	ug/l	99
55) Dibromochloromethane	8.46	129	30218	1.884	ug/l	96
56) 1,2-Dibromoethane	8.57	107	23176	1.914	ug/l	97
58) Tetrachloroethene	8.21	164	39327	1.940	ug/l	97
59) Chlorobenzene	9.10	112	92960	1.876	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	34853	1.899	ug/l	98
61) Pentachloroethane	11.08	117	29128	1.961	ug/l	92
62) Hexachloroethane	12.12	117	24197	1.834	ug/l	98
63) Ethyl Benzene	9.23	91	144883	1.823	ug/l	99
64) m/p-Xylenes	9.35	106	118271	3.675	ug/l	98
65) o-Xylene	9.76	106	56359	1.838	ug/l	98
66) Styrene	9.77	104	94849	1.848	ug/l	99
67) Bromoform	9.94	173	18447	1.956	ug/l	97
69) Isopropylbenzene	10.14	105	147844	1.850	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	33291	1.965	ug/l	100
71) 1,2,3-Trichloropropane	10.47	75	26148m	2.169	ug/l	
72) Bromobenzene	10.43	156	41230	1.902	ug/l	99
73) n-propylbenzene	10.57	120	43035	1.859	ug/l	98
74) 2-Chlorotoluene	10.64	126	40481	1.943	ug/l	100
75) 1,3,5-Trimethylbenzene	10.75	105	134137	1.869	ug/l	98
76) 4-Chlorotoluene	10.75	126	39992	1.896	ug/l	99
77) tert-Butylbenzene	11.08	119	129156	1.856	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	135164	1.865	ug/l	99
79) sec-Butylbenzene	11.30	105	174265	1.862	ug/l	99
80) Nitrobenzene	12.87	77	1937m	5.356	ug/l	
81) p-Isopropyltoluene	11.45	119	147159	1.884	ug/l	99
82) 1,3-Dichlorobenzene	11.40	146	87139	1.937	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	86929	1.945	ug/l	98
84) n-Butylbenzene	11.87	91	134453	1.871	ug/l	96
85) 1,2-Dichlorobenzene	11.86	146	77441	1.900	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.64	75	4491	1.986	ug/l	96
87) 1,2,4-Trichlorobenzene	13.49	180	43379	1.844	ug/l	96
88) Hexachlorobutadiene	13.67	225	33588	1.874	ug/l	100
89) Naphthalene	13.73	128	50498m	1.903	ug/l	
90) 1,2,3-Trichlorobenzene	13.97	180	39652	1.830	ug/l	99

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

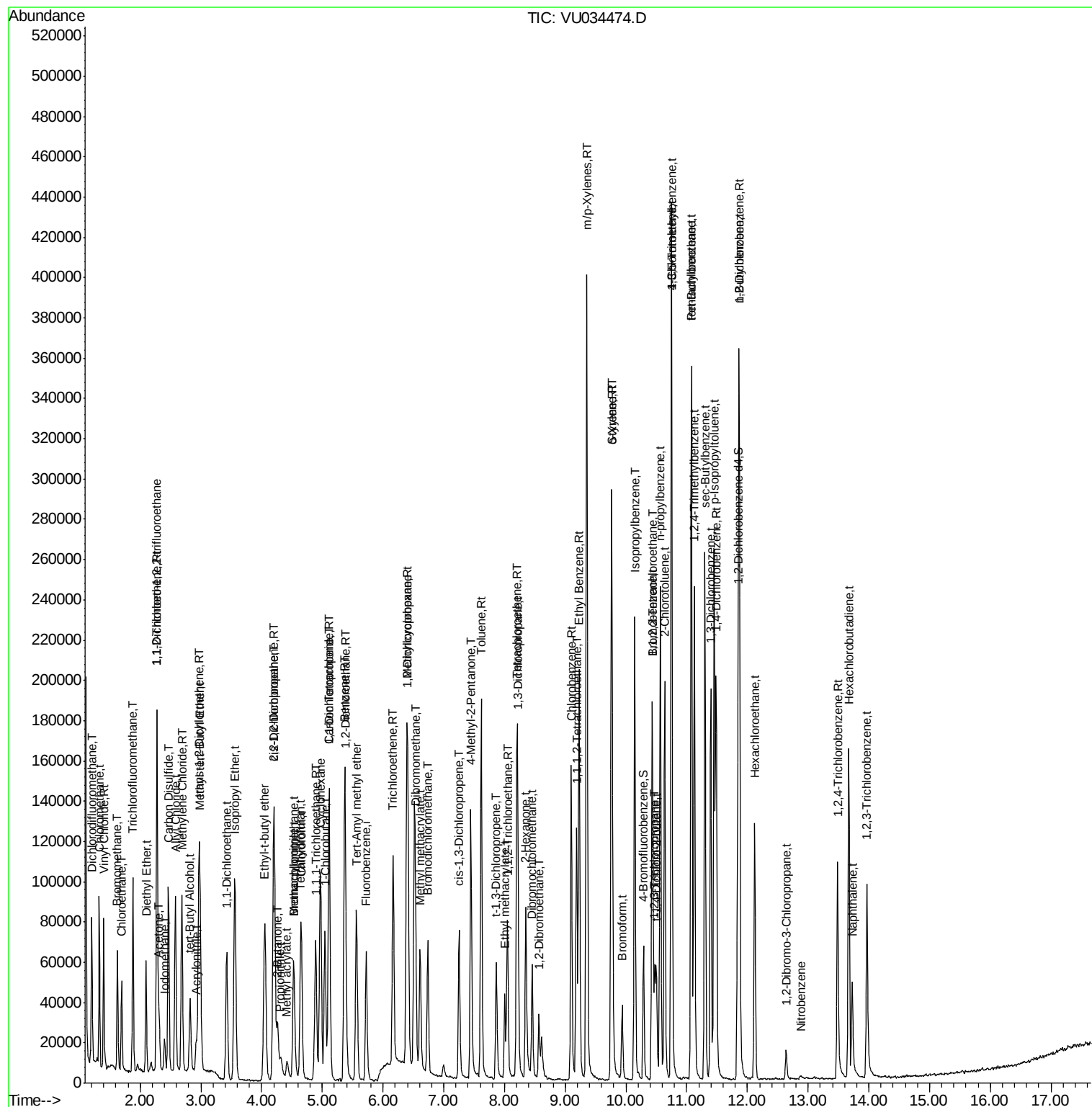
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091119\
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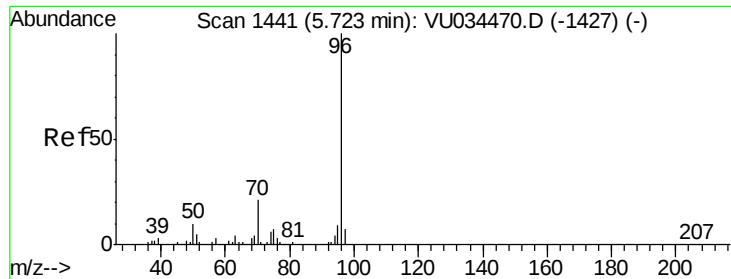
Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:53:57 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

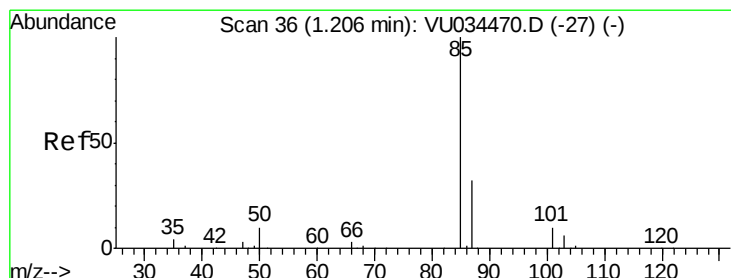
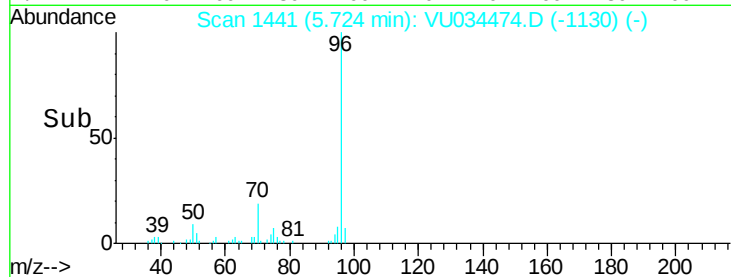
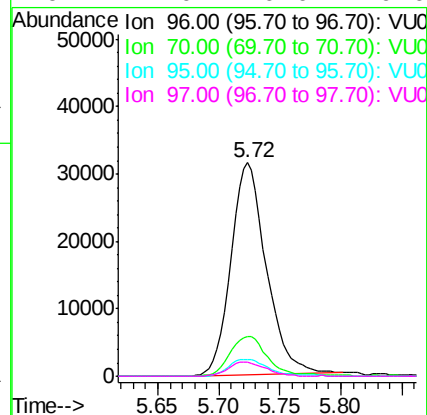
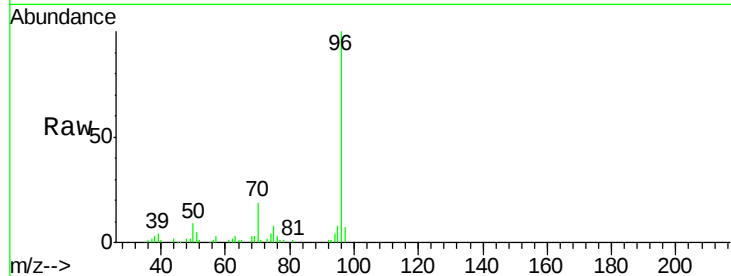
ClientSampleId :

VU0911WBS01

Tot Ion:	96	Resp:	63532
Ion Ratio	Lower	Upper	
96	100		
70	19.6	16.5	24.7
95	8.4	7.0	10.6
97	7.0	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.884 ug/l

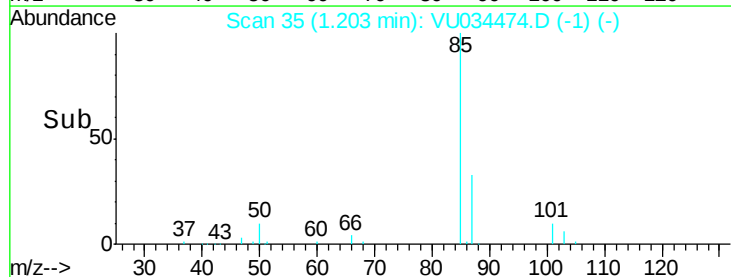
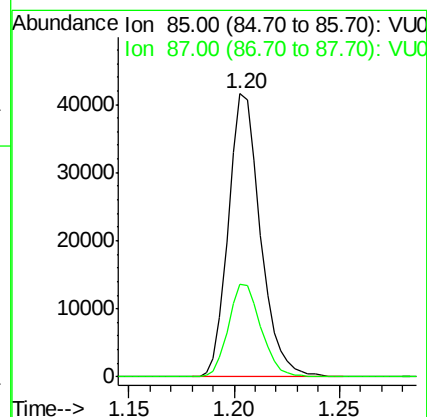
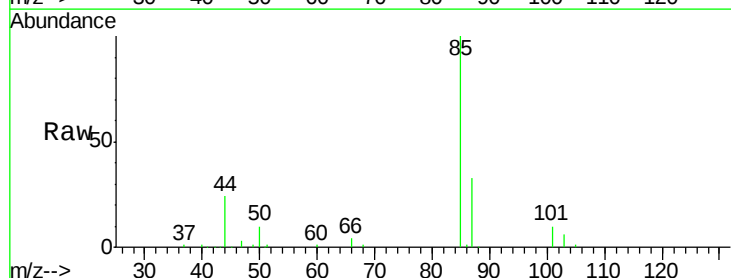
RT: 1.20 min Scan# 35

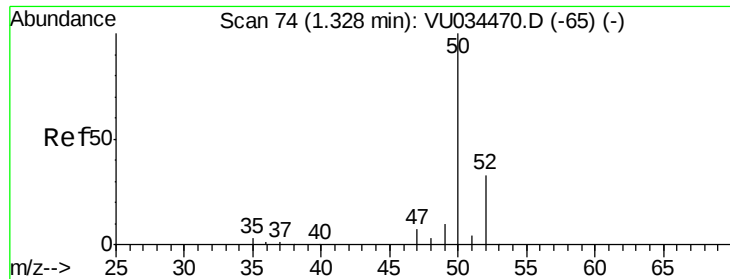
Delta R.T. -0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Tgt Ion:	85	Resp:	43816
Ion Ratio	Lower	Upper	
85	100		
87	32.8	16.1	48.3





#3

Chloromethane

Concen: 2.015 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion: 50 Resp: 51572

Ion Ratio Lower Upper

50 100

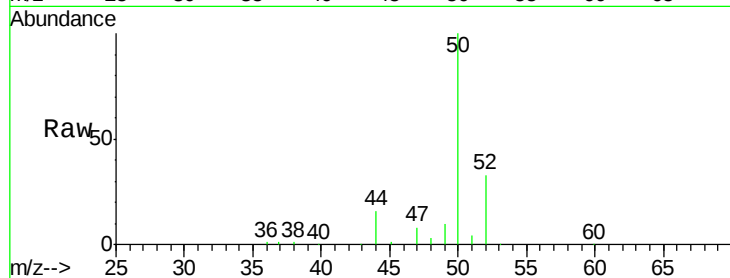
52 33.0 26.2 39.4

Manual Integrations

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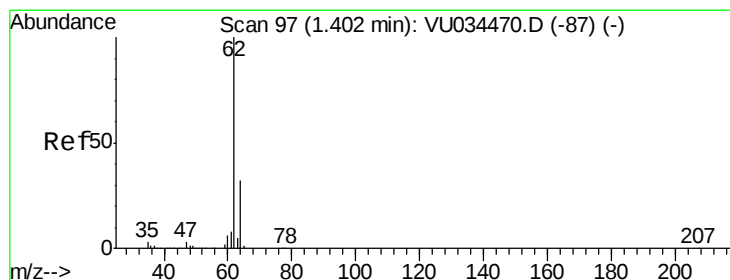
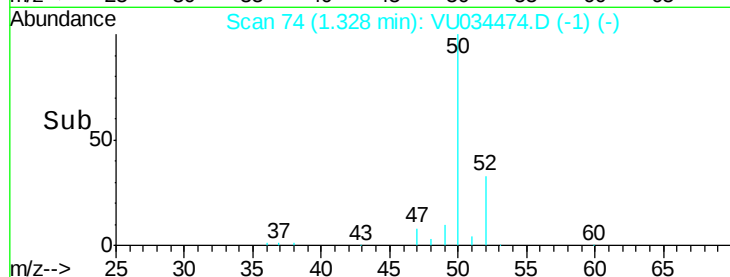
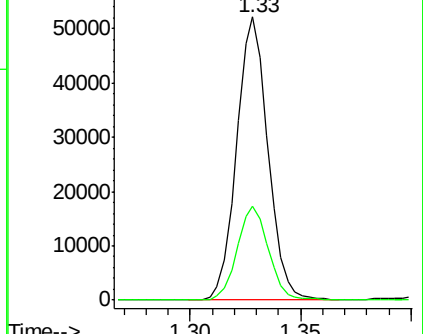
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.908 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034474.D

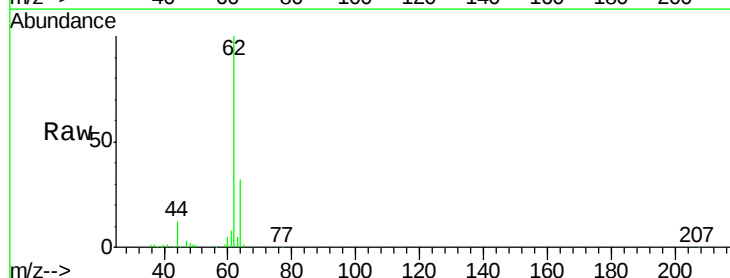
Acq: 11 Sep 2019 13:56

Tgt Ion: 62 Resp: 47961

Ion Ratio Lower Upper

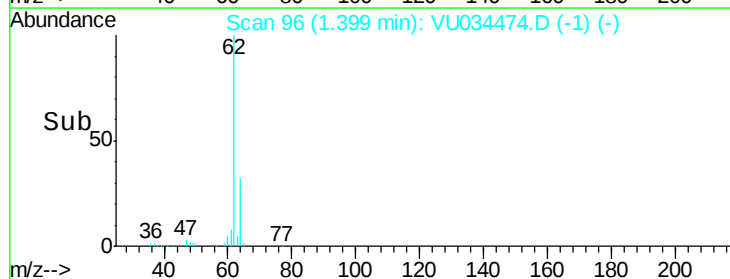
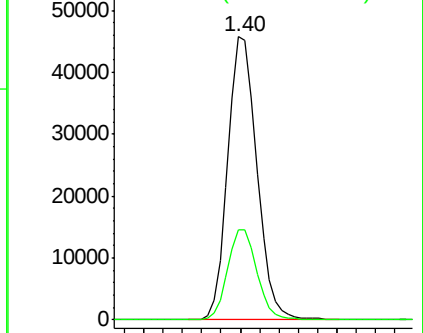
62 100

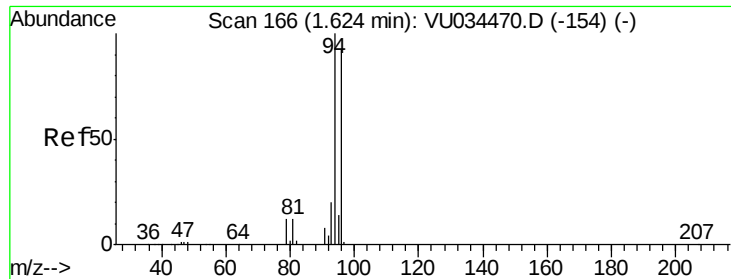
64 31.8 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 1.902 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion: 94 Resp: 27863

Ion Ratio Lower Upper

94 100

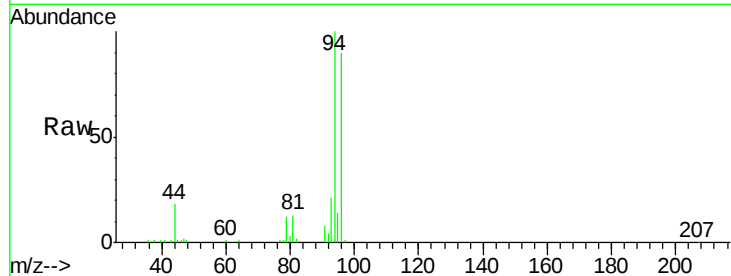
96 90.1 73.8 110.8

Manual Integrations

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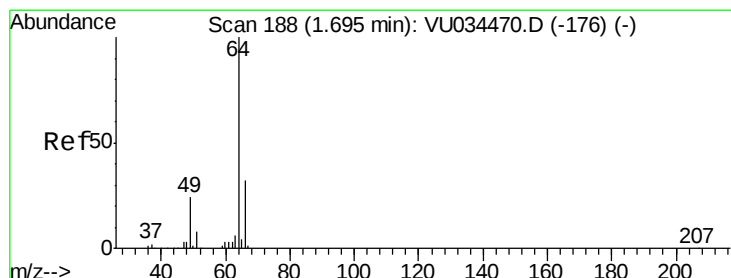
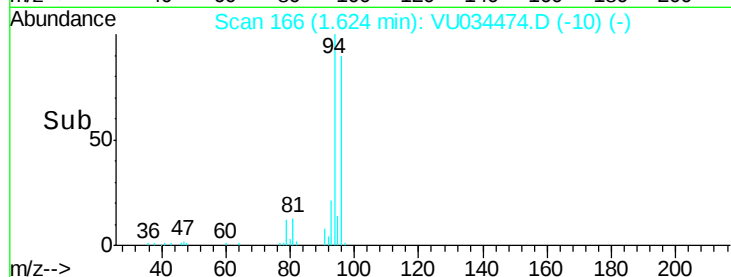
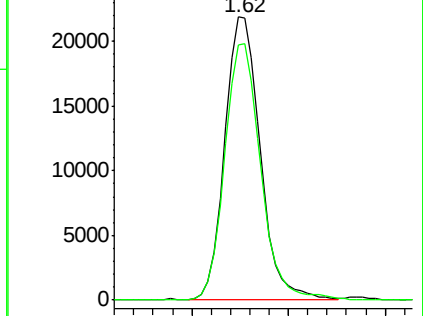
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.949 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU034474.D

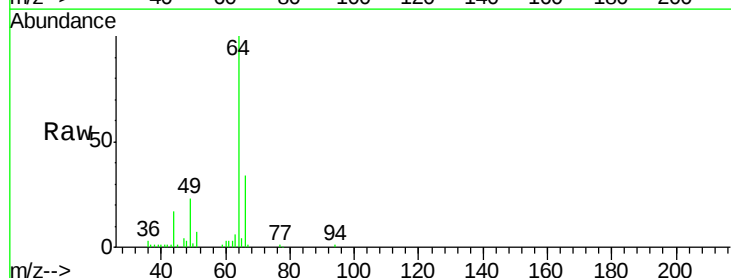
Acq: 11 Sep 2019 13:56

Tgt Ion: 64 Resp: 28398

Ion Ratio Lower Upper

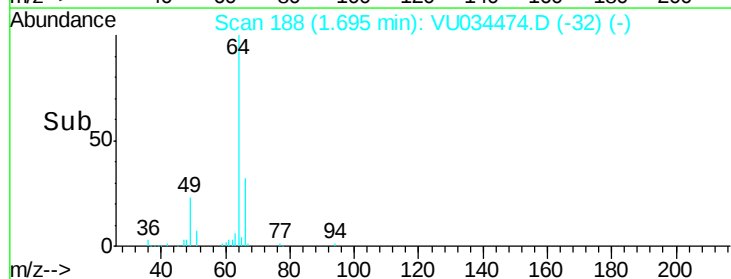
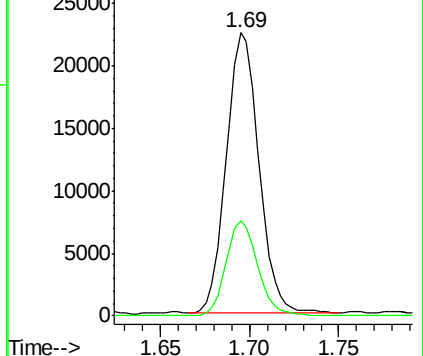
64 100

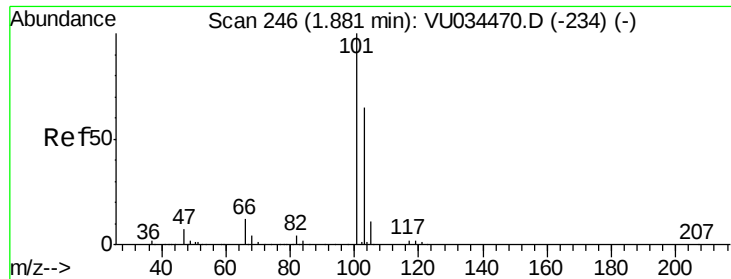
66 34.2 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

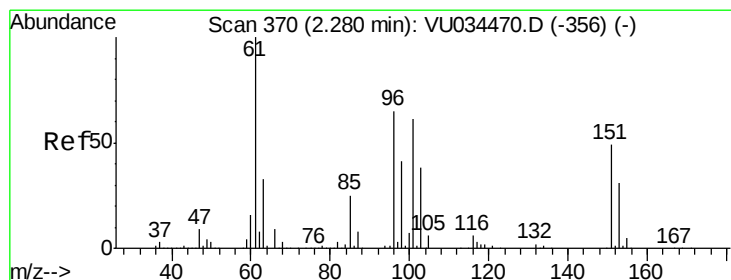
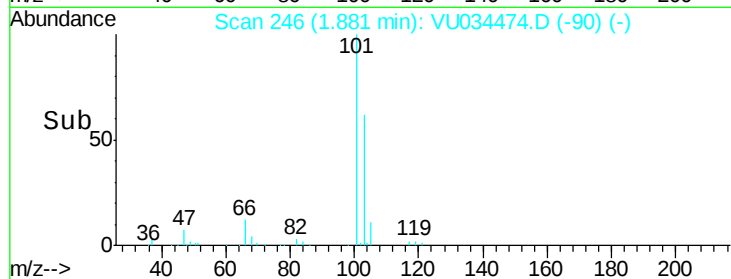
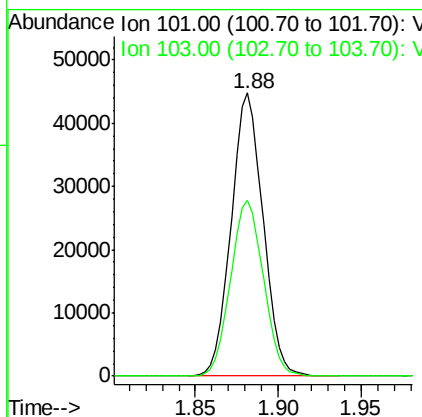
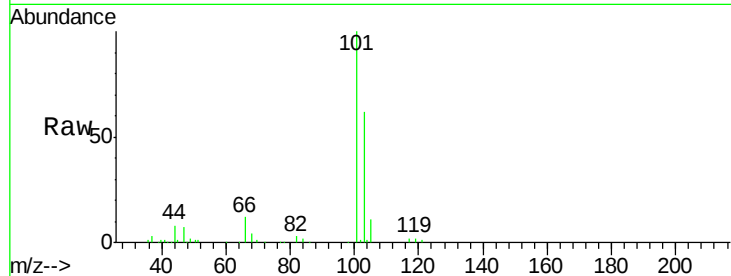
Trichlorofluoromethane
Concen: 1.940 ug/l
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampled :
VU0911WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		60002		
103	62.3	52.2	78.4		

Manual Integrations
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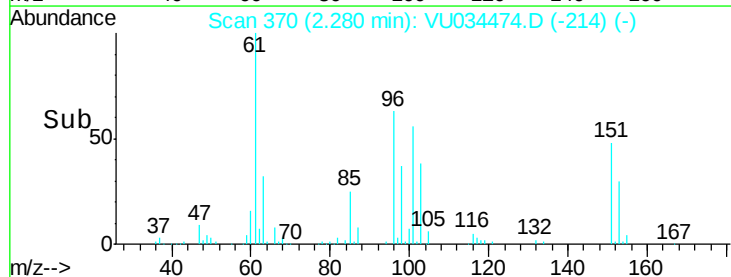
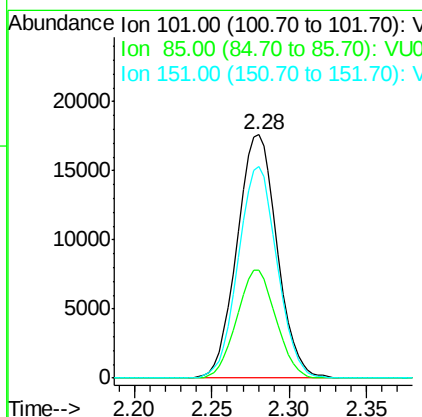
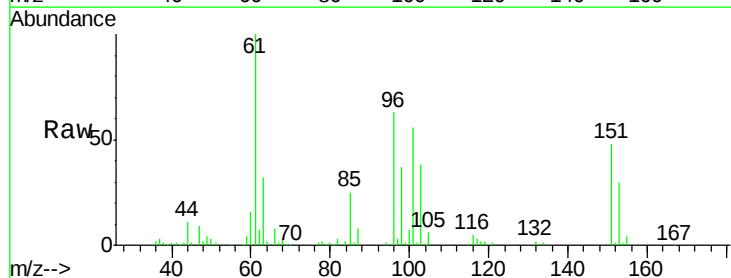
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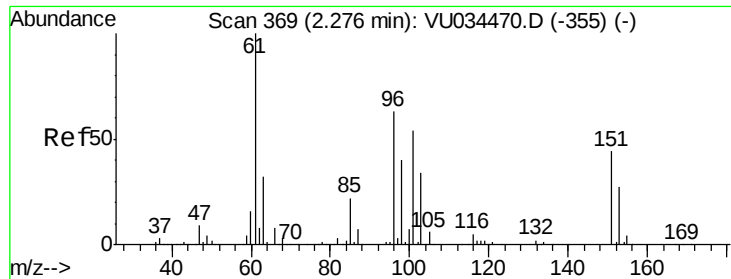


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.891 ug/l
RT: 2.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		31724		
85	43.1	34.2	51.2		
151	84.5	65.2	97.8		





#9

1,1-Dichloroethene

Concen: 1.889 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

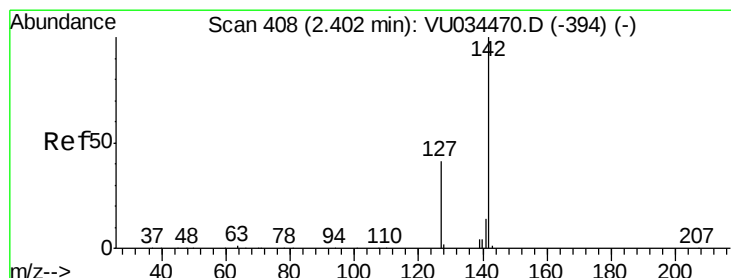
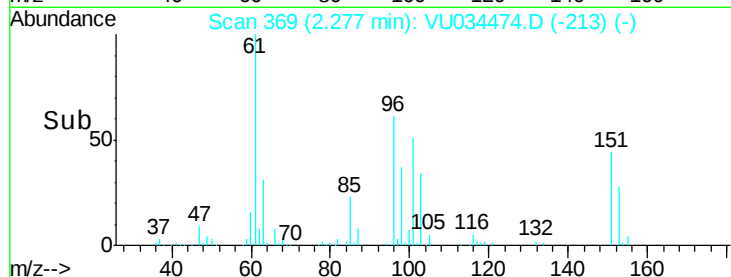
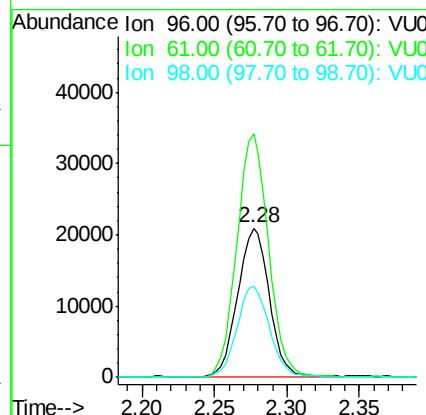
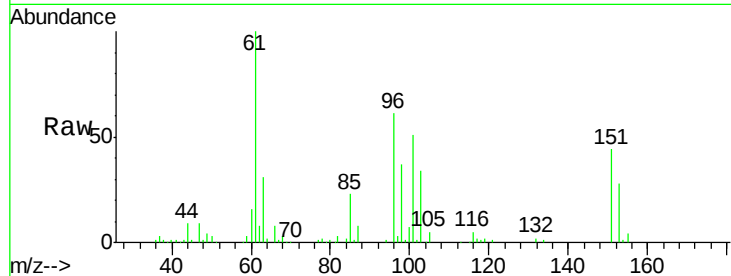
ClientSampleId :

VU0911WBS01

Tot Ion:	96	Resp:	31931
Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	475.5
98	61.1	0.0	127.6

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#10

Iodomethane

Concen: 1.290 ug/l

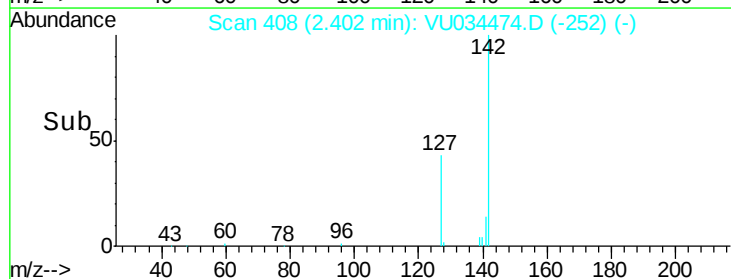
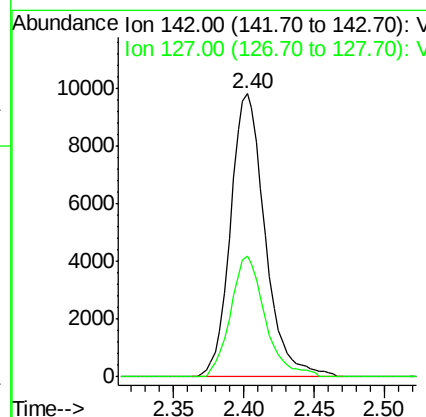
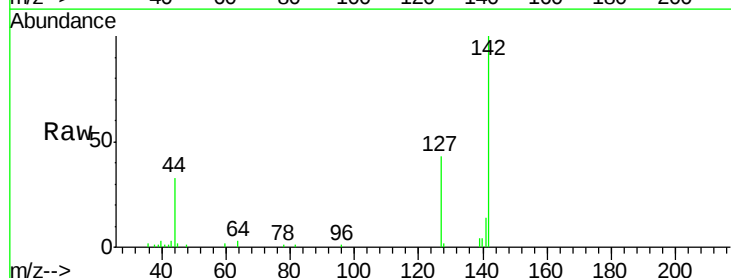
RT: 2.40 min Scan# 408

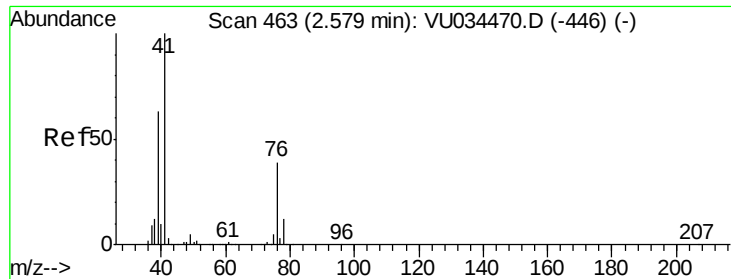
Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Tgt Ion:	142	Resp:	16872
Ion	Ratio	Lower	Upper
142	100		
127	42.5	33.0	49.6





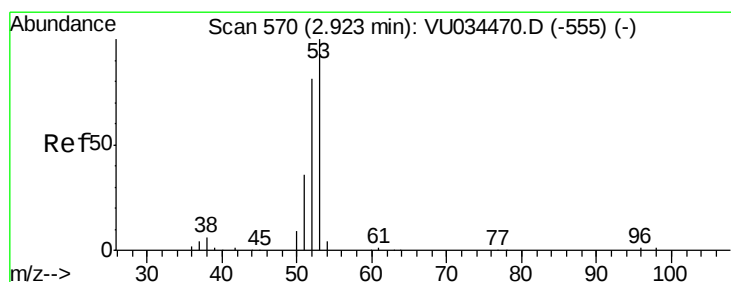
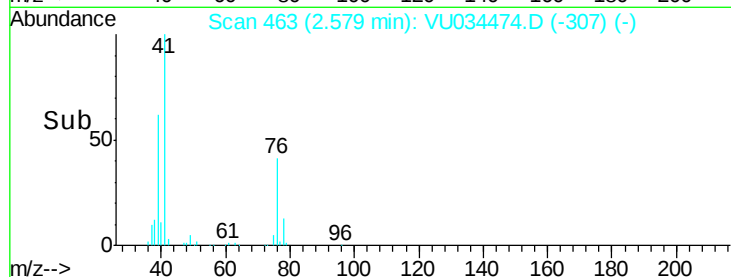
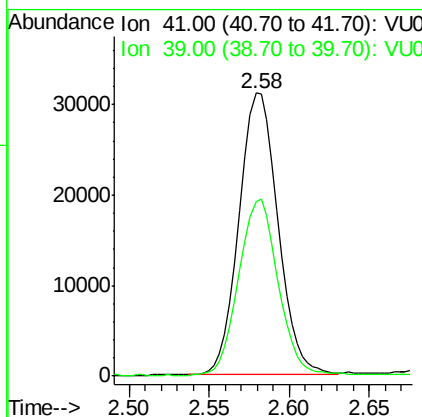
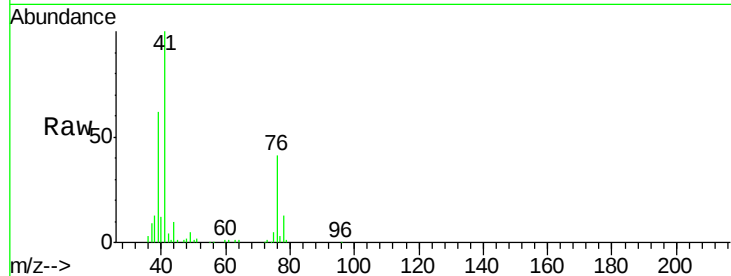
#11
Allvl Chloride
Concen: 1.851 ug/l
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion: 41 Resp: 51421
Ion Ratio Lower Upper
41 100
39 65.1 50.2 75.2

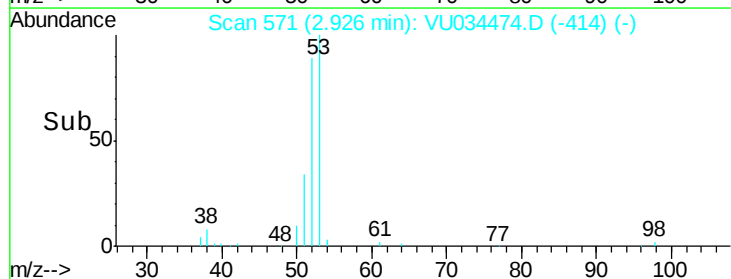
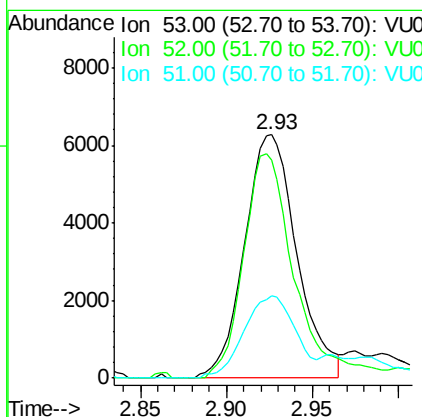
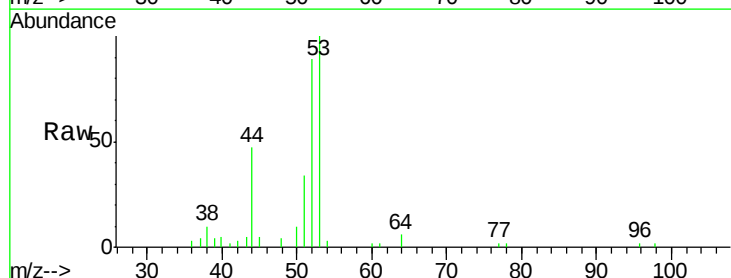
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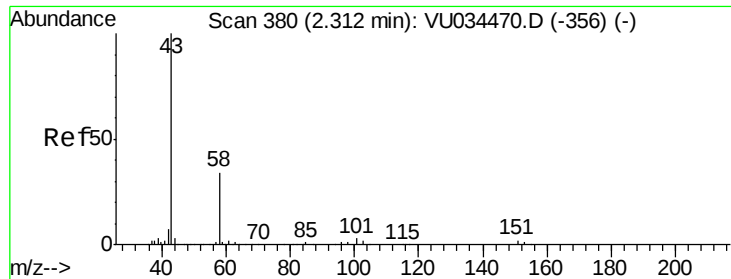
MMDadoda
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#12
Acrylonitrile
Concen: 3.764 ug/l
RT: 2.93 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion: 53 Resp: 13259
Ion Ratio Lower Upper
53 100
52 89.6 66.9 100.3
51 33.2 28.4 42.6





#13

Acetone

Concen: 9.778 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion: 43 Resp: 28689

Ion Ratio Lower Upper

43 100

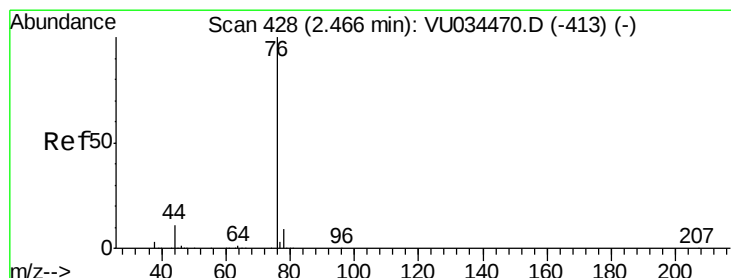
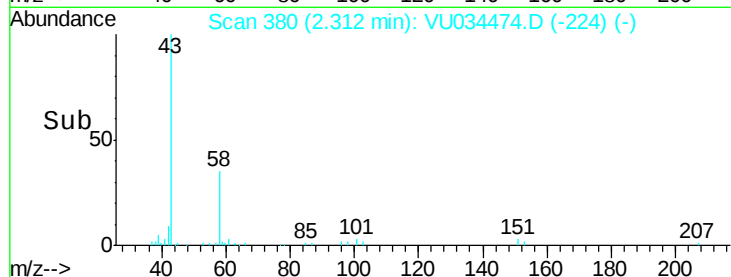
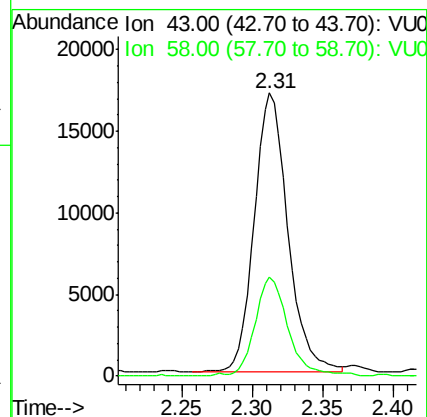
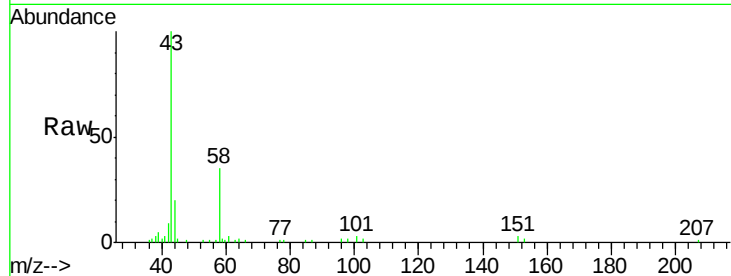
58 35.3 26.9 40.3

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#14

Carbon Disulfide

Concen: 1.903 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034474.D

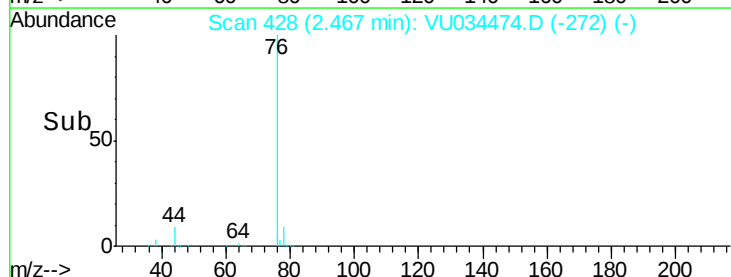
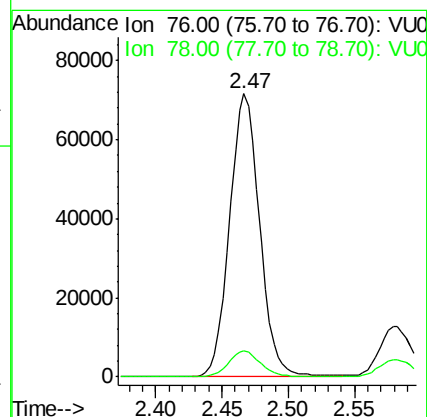
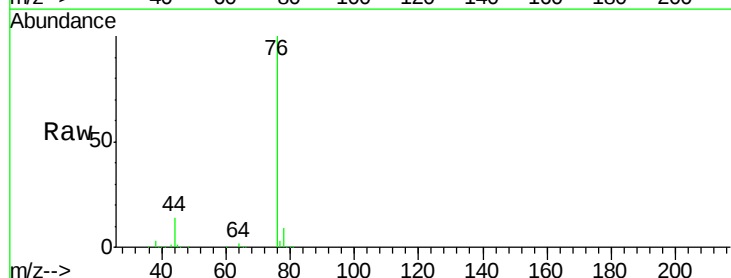
Acq: 11 Sep 2019 13:56

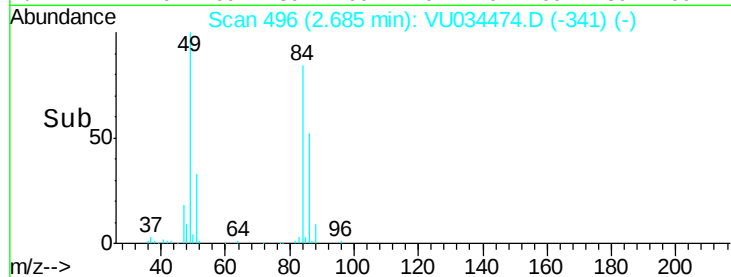
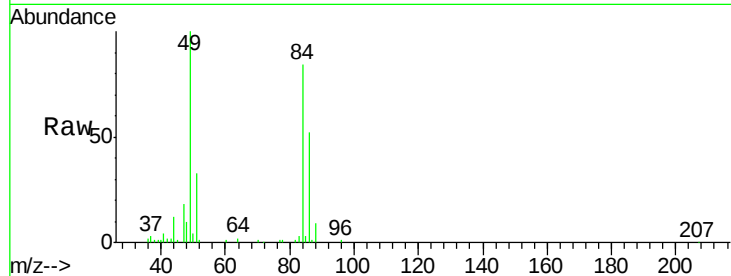
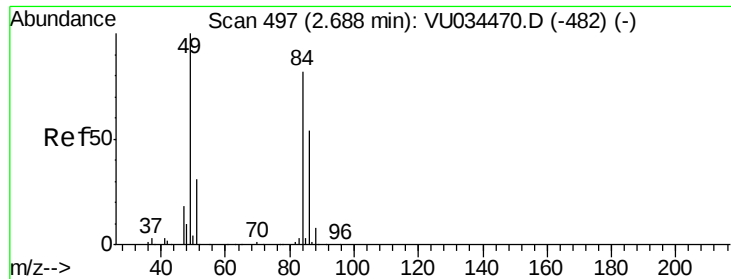
Tgt Ion: 76 Resp: 112964

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





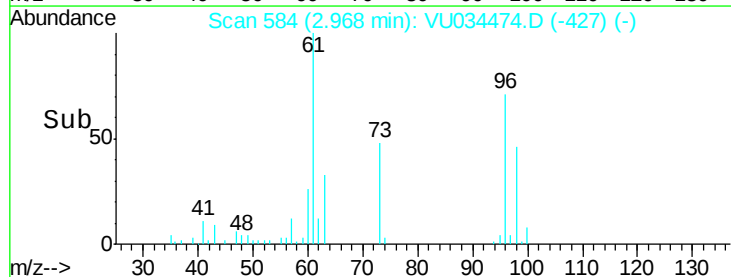
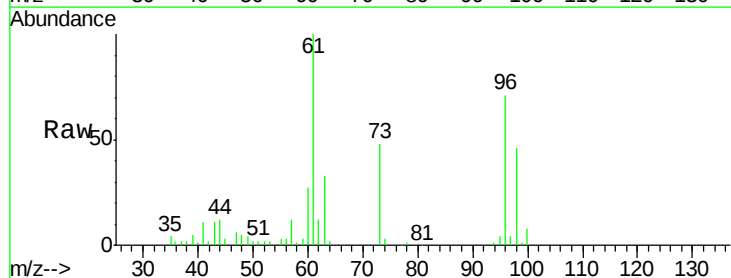
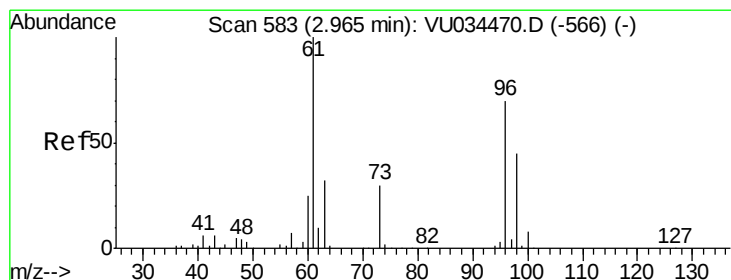
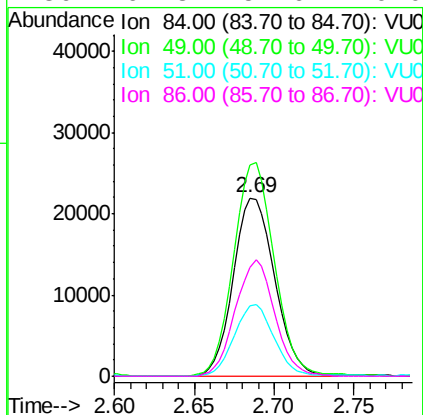
#15
Methvlene Chloride
Concen: 1.977 ug/l
RT: 2.69 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	118.7	97.8	146.6		
51	39.4	0.0	76.4		
86	61.3	52.6	79.0		

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

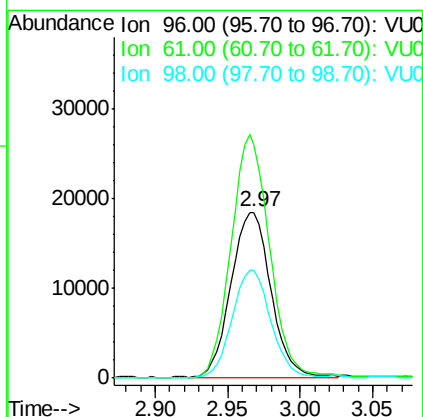
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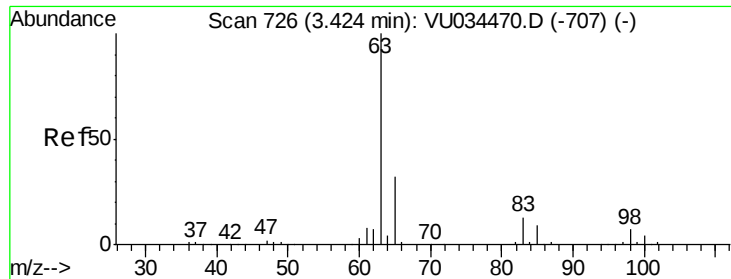
MMDadoda
9/12/2019 4:53:44 PM



#16
trans-1,2-Dichloroethene
Concen: 1.843 ug/l
RT: 2.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	141.5	114.5	171.7		
98	65.2	51.2	76.8		





#17

1,1-Dichloroethane

Concen: 1.907 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

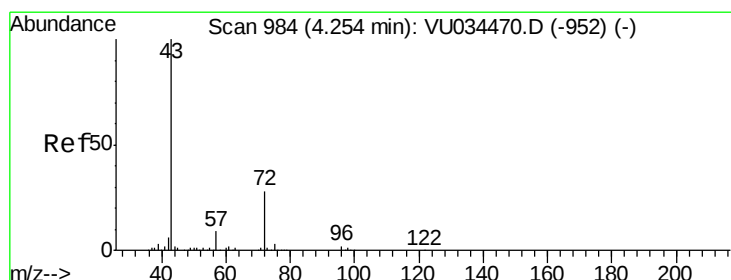
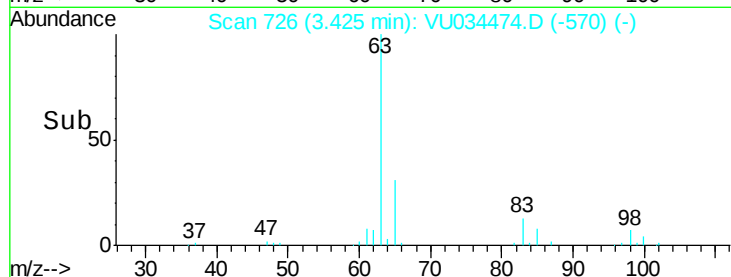
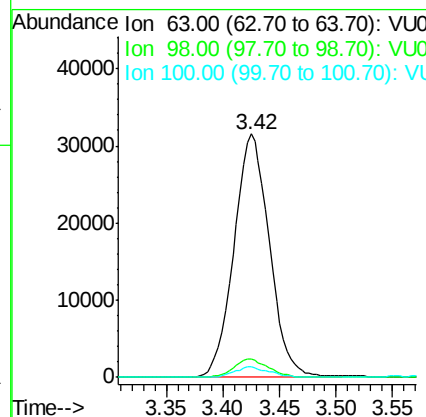
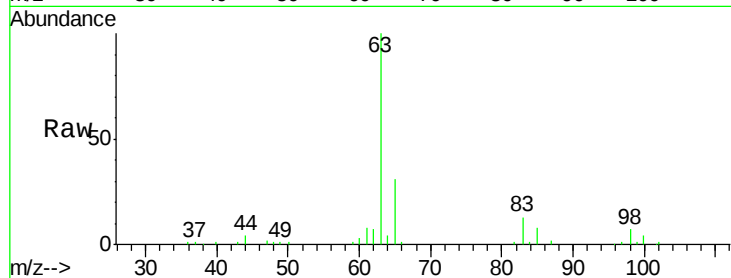
ClientSampleId :

VU0911WBS01

Tot Ion:	63	Resp:	68792
Ion Ratio	Lower	Upper	
63	100		
98	7.4	3.5	10.4
100	4.3	2.3	6.8

Manual Integrations
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#18

2-Butanone

Concen: 9.639 ug/l

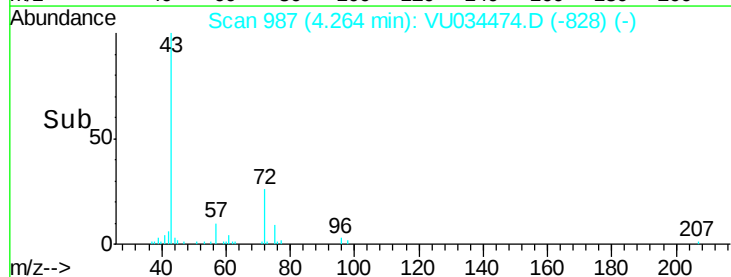
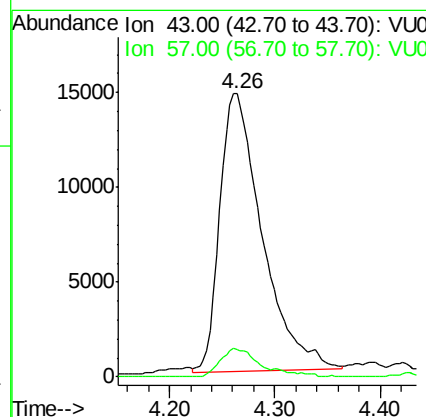
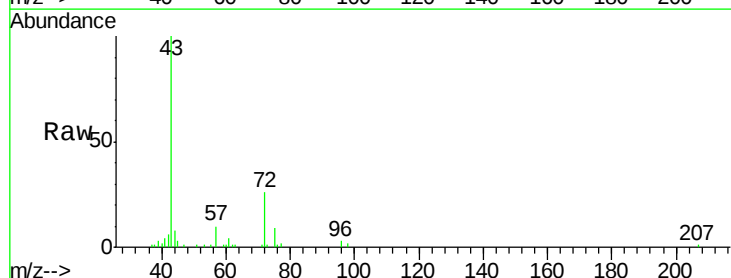
RT: 4.26 min Scan# 987

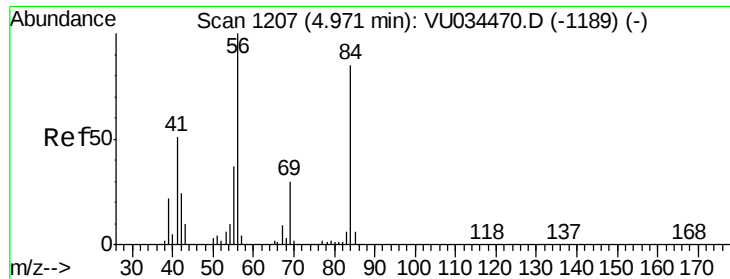
Delta R.T. 0.01 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Tgt Ion:	43	Resp:	40847
Ion Ratio	Lower	Upper	
43	100		
57	10.1	0.0	17.8





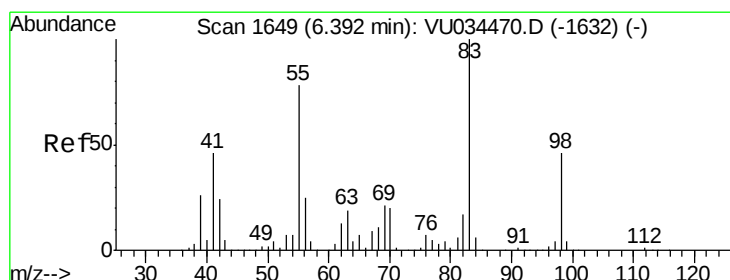
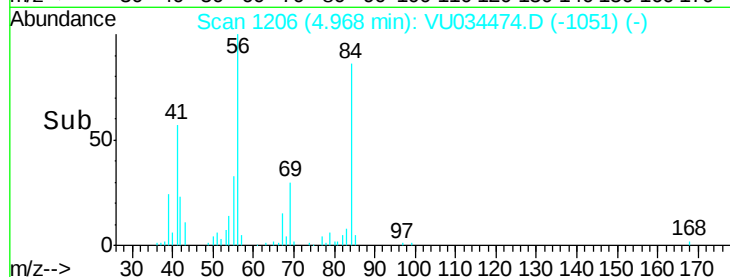
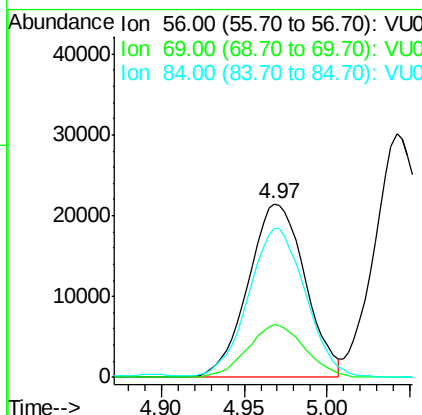
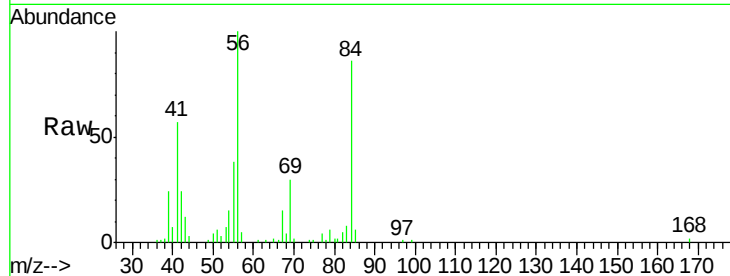
#19
Cyclohexane
Concen: 1.819 ug/l m
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	85.3	66.9	100.3

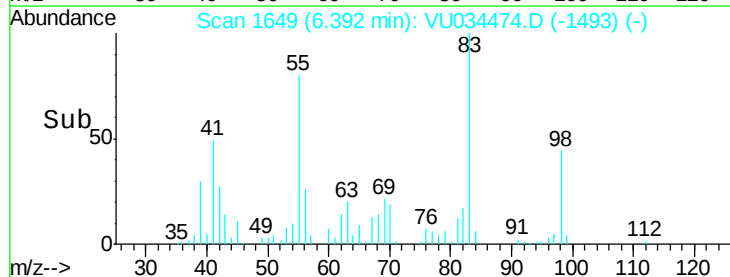
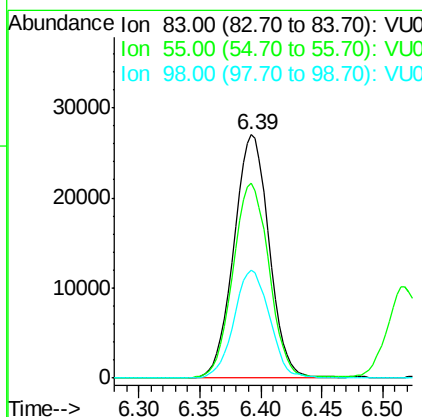
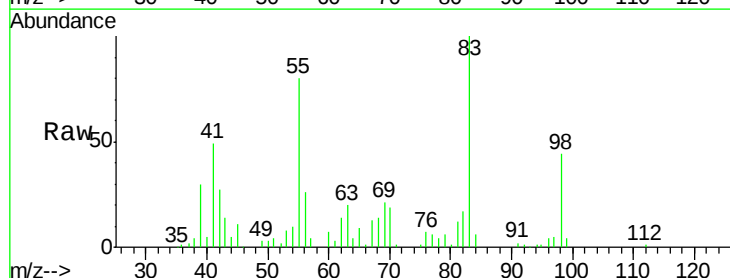
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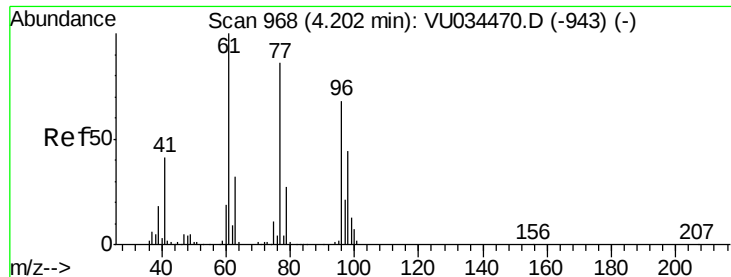
MMDadoda
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#20
Methylcyclohexane
Concen: 1.834 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.4	61.7	92.5
98	44.6	36.0	54.0





#21

2,2-Dichloropropane

Concen: 1.836 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion: 77 Resp: 54582

Ion Ratio Lower Upper

77 100

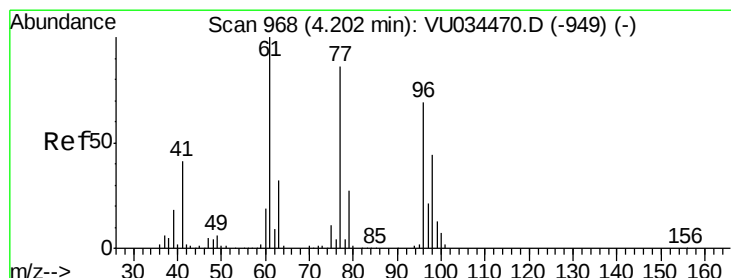
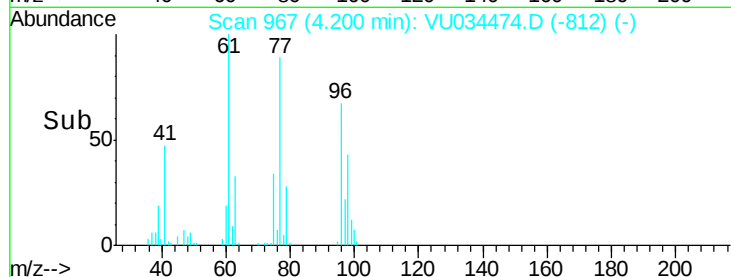
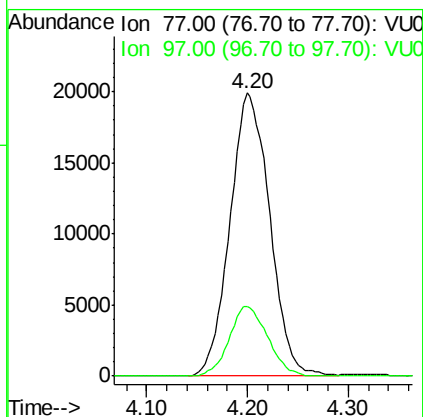
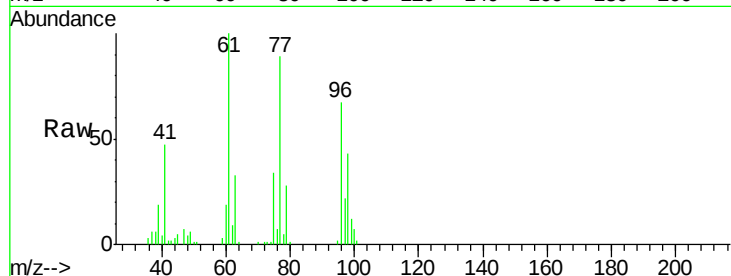
97 23.7 18.9 28.3

Manual Integrations

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9/12/2019 4:53:44 PM



#22

cis-1,2-Dichloroethene

Concen: 1.855 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

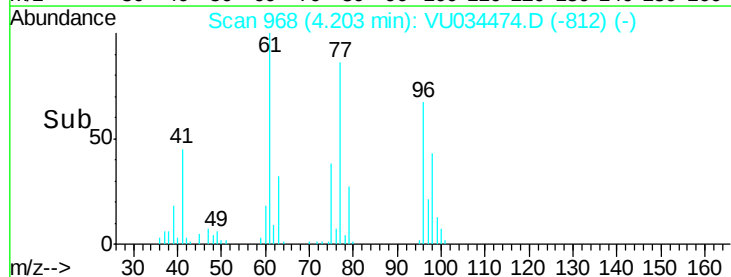
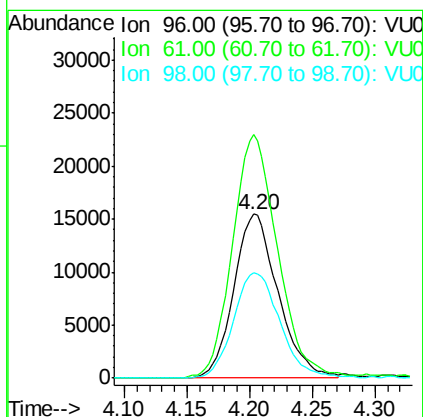
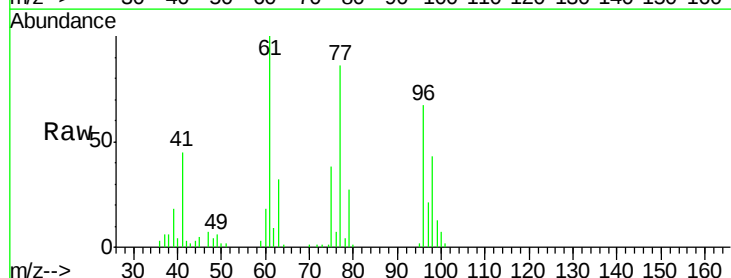
Tgt Ion: 96 Resp: 38043

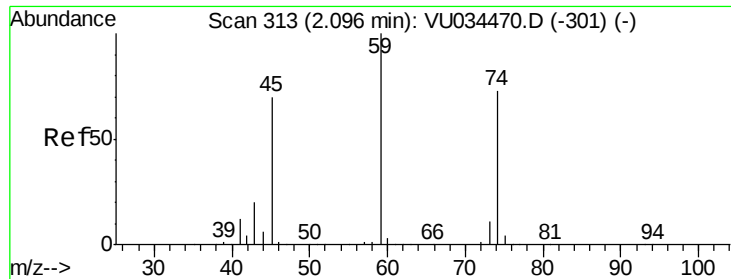
Ion Ratio Lower Upper

96 100

61 151.0 0.0 369.5

98 67.3 32.4 97.2





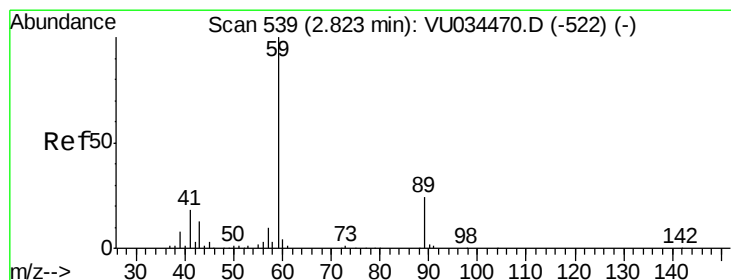
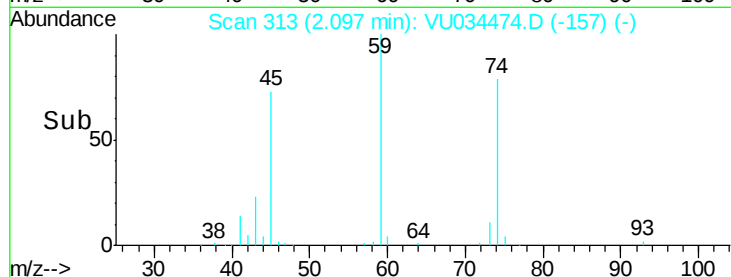
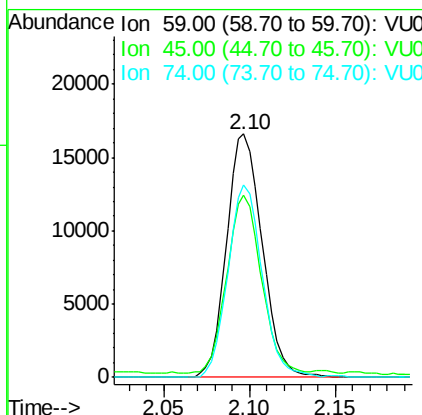
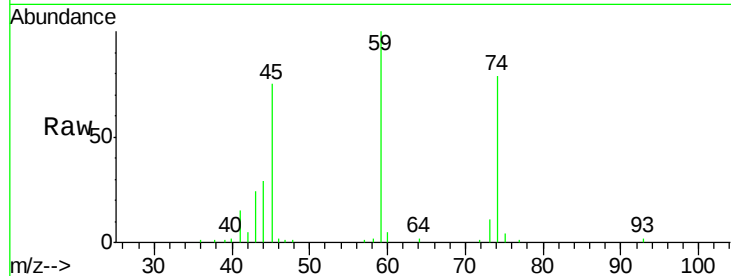
#23
Diethyl Ether
Concen: 1.906 ug/l
RT: 2.10 min Scan# 313
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion	59	Ratio	Lower	Upper
59	100			
45	69.8	56.3	84.5	
74	75.8	58.2	87.2	

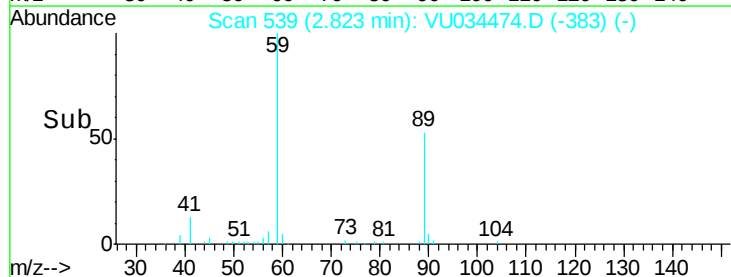
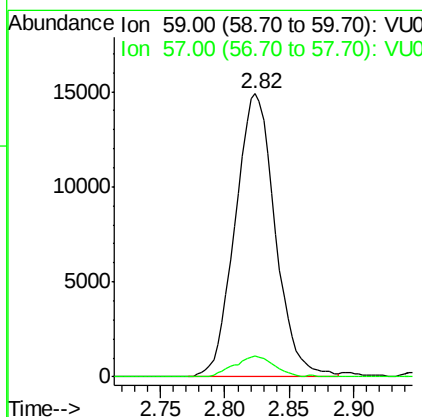
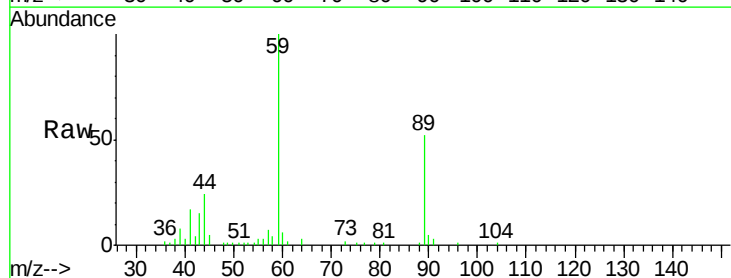
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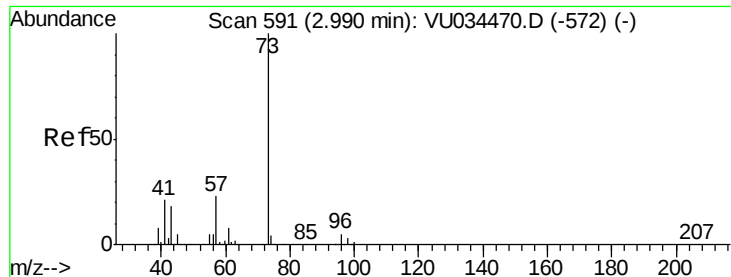
MMDadoda
9/12/2019 4:53:44 PM



#24
tert-Butyl Alcohol
Concen: 19.503 ug/l
RT: 2.82 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	59	Ratio	Lower	Upper
59	100			
57	7.2	7.3	10.9	





#25

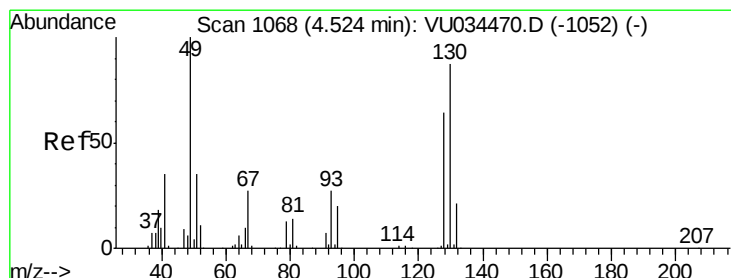
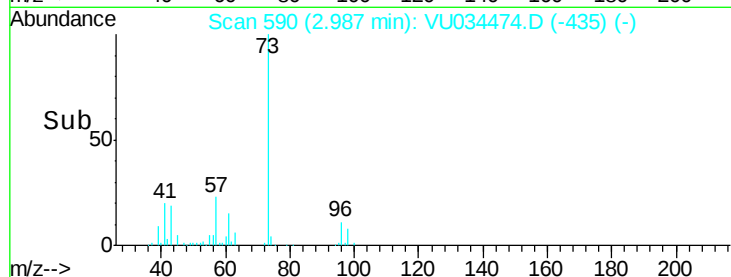
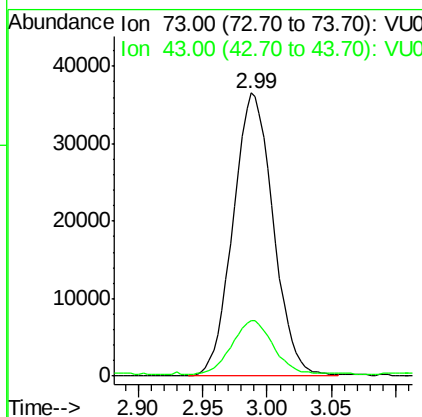
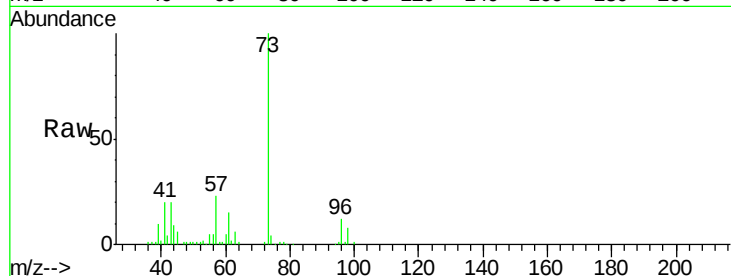
Methyl tert-Butyl Ether
 Concen: 1.956 ug/l
 RT: 2.99 min Scan# 590
 Delta R.T. -0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.2	14.4	21.6

Manual Integrations
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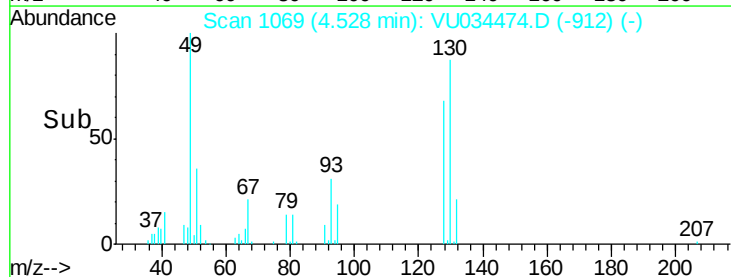
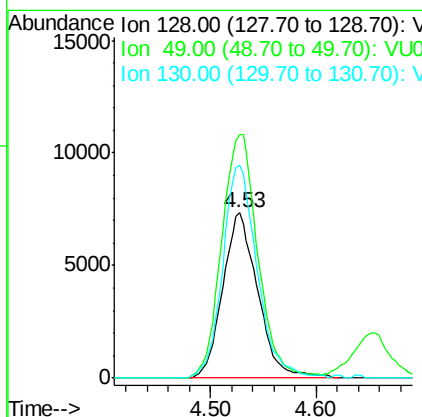
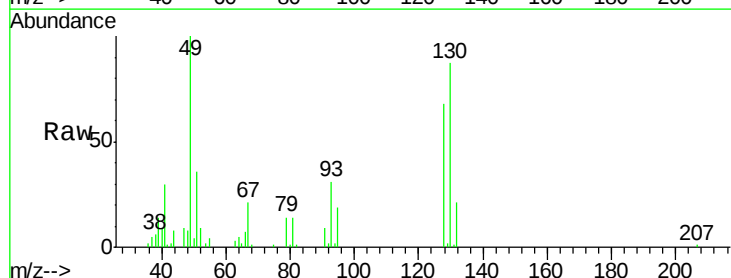
MMDadoda
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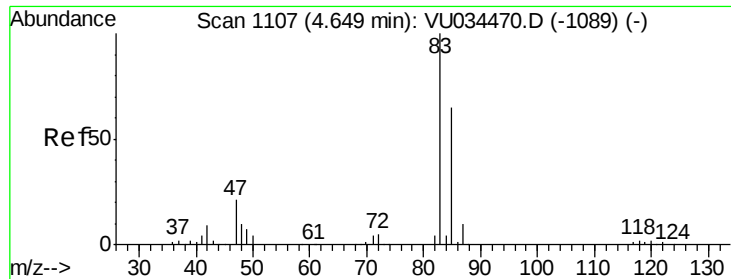


#26

Bromochloromethane
 Concen: 1.943 ug/l
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
128	100		
49	151.3	0.0	309.8
130	126.1	105.0	157.6





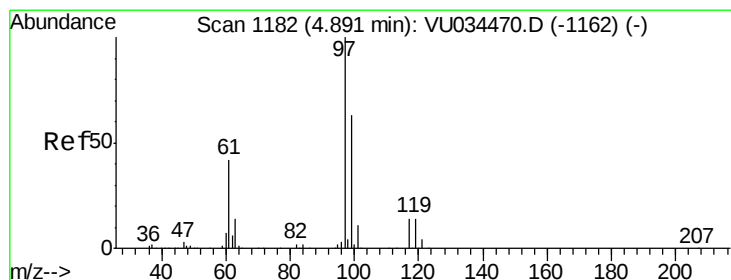
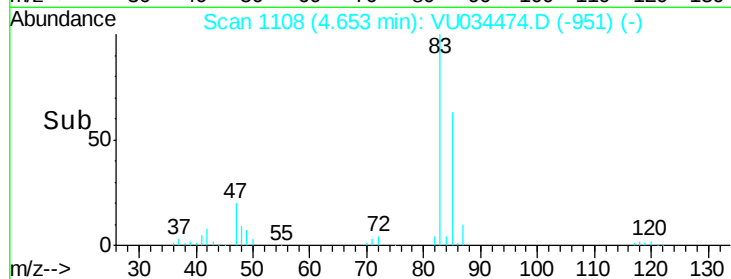
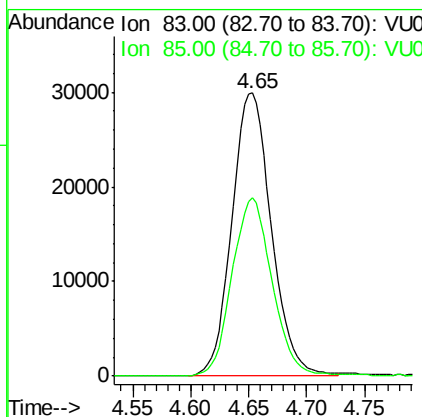
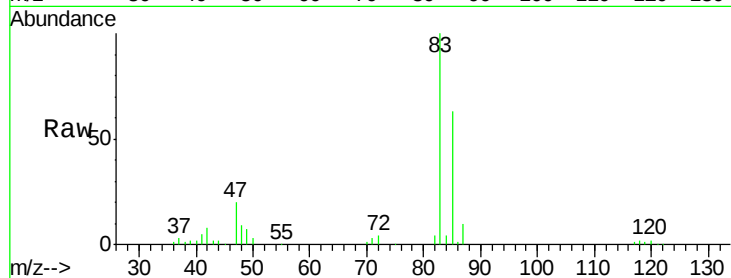
#27
Chloroform
Concen: 1.887 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion	83	Resp	70750
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	0.0	130.2

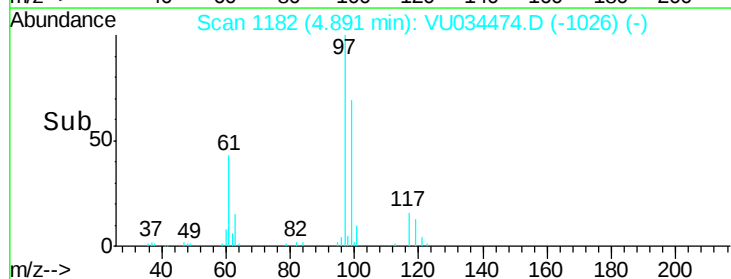
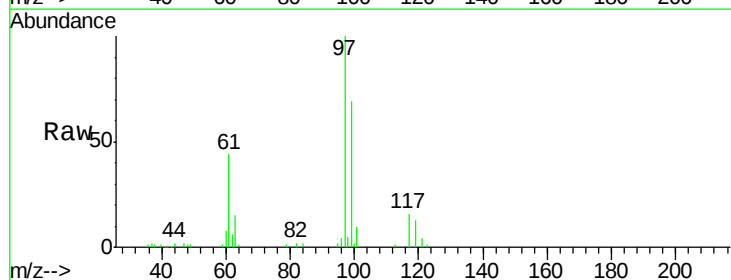
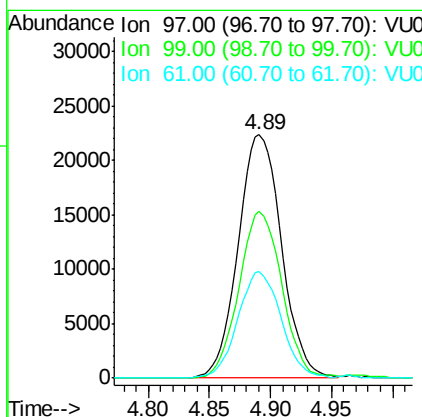
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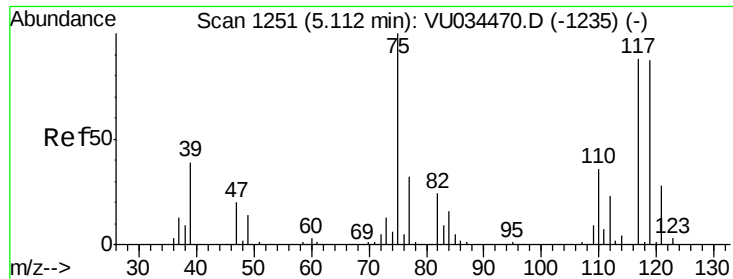
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 1.875 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	97	Resp	55150
Ion Ratio	100	Lower	Upper
97	100		
99	67.6	32.0	96.2
61	43.5	21.4	64.3





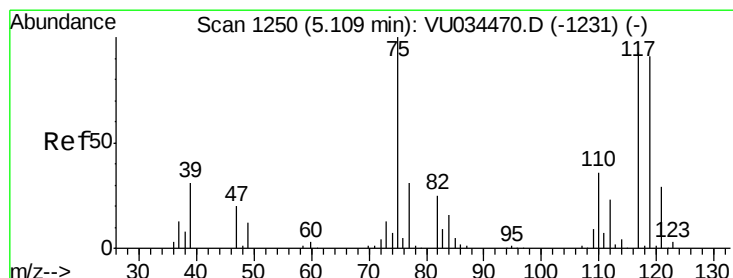
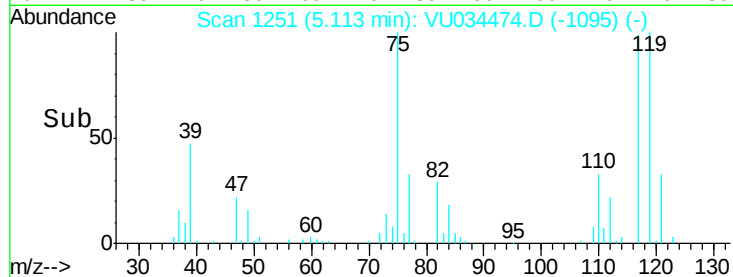
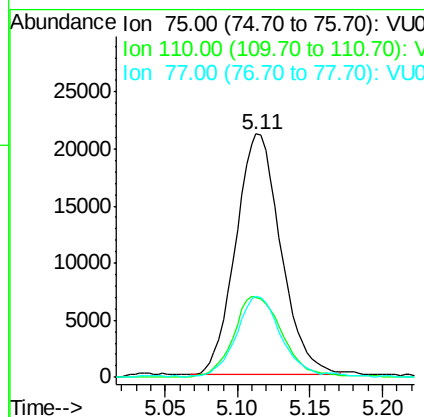
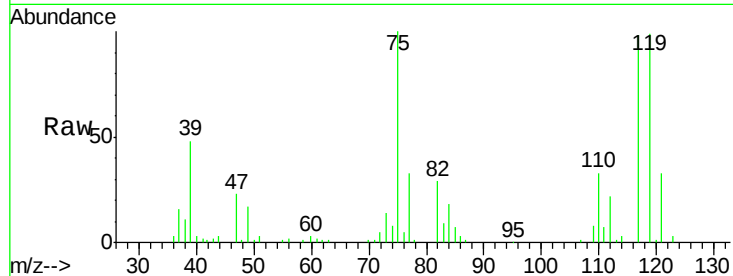
#29
 1,1-Dichloropropene
 Concen: 1.788 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.4	55.2
77	33.5	25.0	37.6

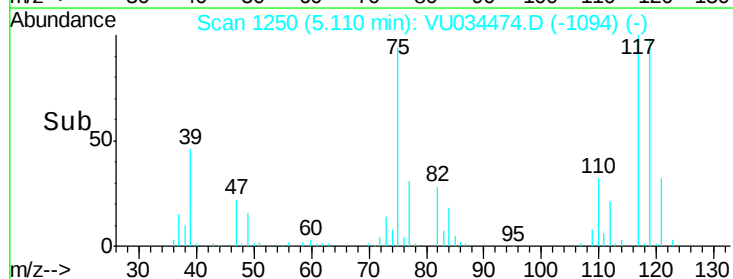
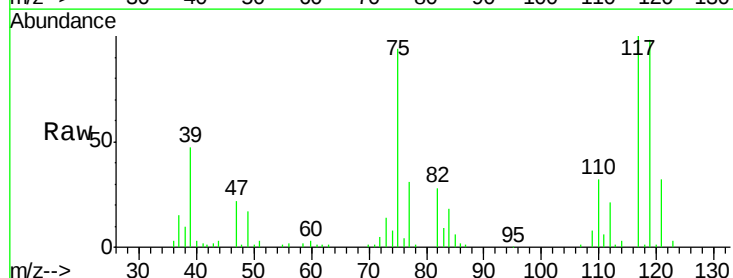
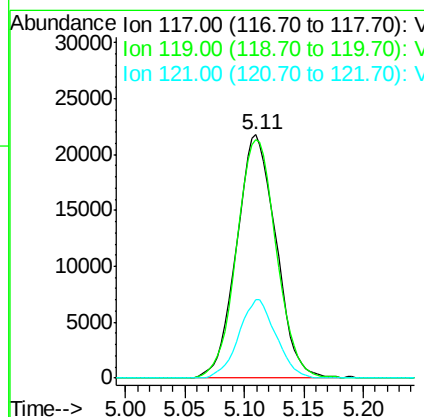
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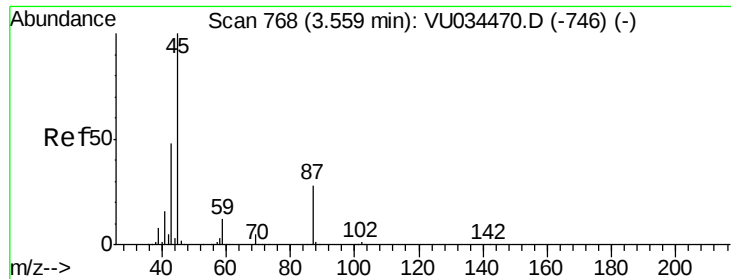
MMDadoda
 9/12/2019 4:53:44 PM



#30
 Carbon Tetrachloride
 Concen: 1.897 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.5	117.7
121	32.0	25.3	37.9





#31

Isopropyl Ether

Concen: 1.916 ug/l

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion: 45 Resp: 99506

Ion Ratio Lower Upper

45 100

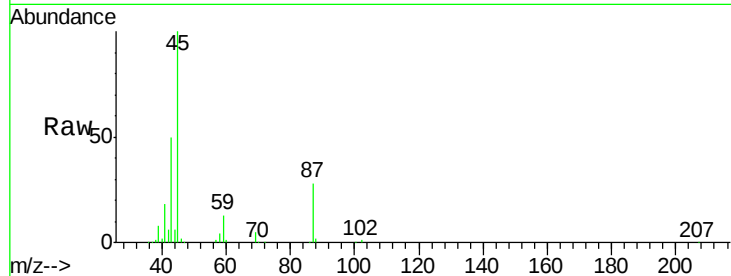
43 50.8 24.8 74.3

Manual Integrations

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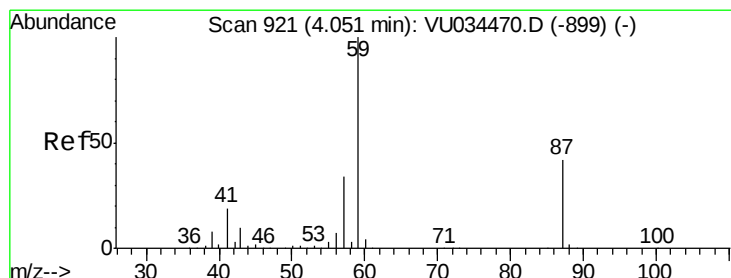
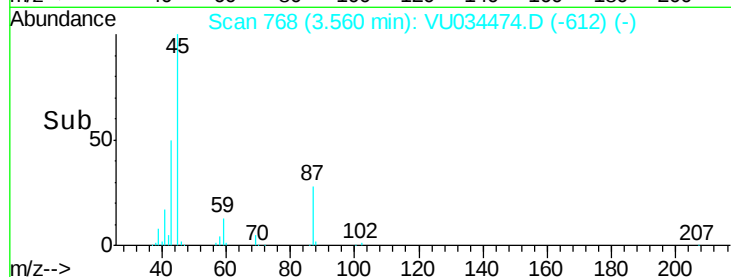
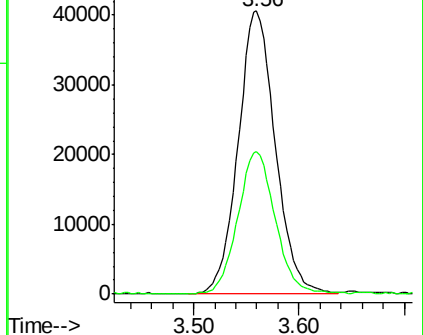
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Abundance Ion 45.00 (44.70 to 45.70): VU034474.D (-746) (-)

Ion 43.00 (42.70 to 43.70): VU034474.D (-746) (-)



#32

Ethyl-t-butyl ether

Concen: 1.892 ug/l

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VU034474.D

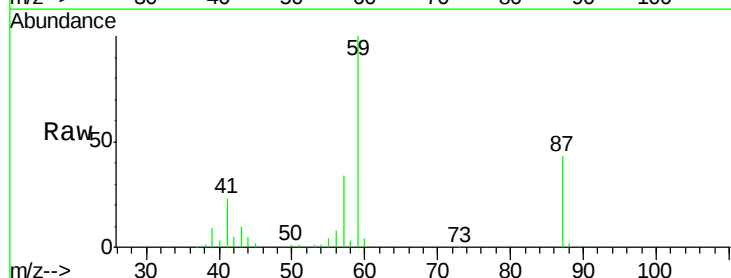
Acq: 11 Sep 2019 13:56

Tgt Ion: 59 Resp: 84089

Ion Ratio Lower Upper

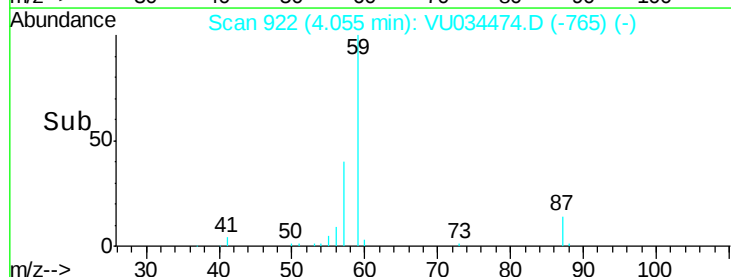
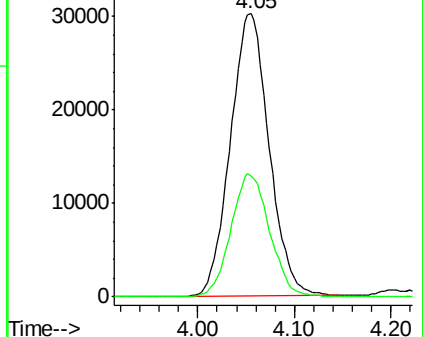
59 100

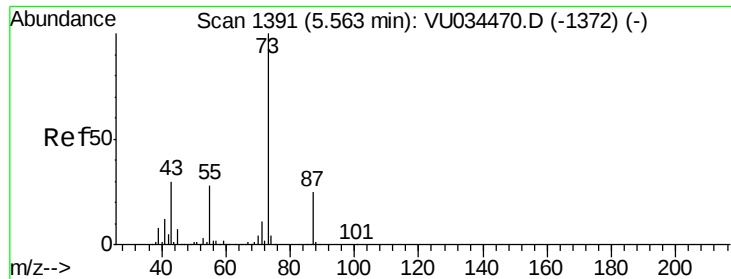
87 43.5 33.6 50.4



Abundance Ion 59.00 (58.70 to 59.70): VU034474.D (-899) (-)

Ion 87.00 (86.70 to 87.70): VU034474.D (-899) (-)





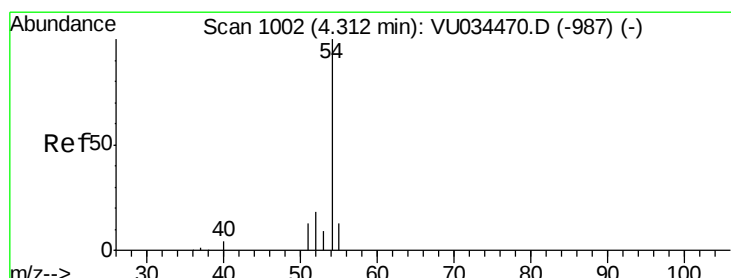
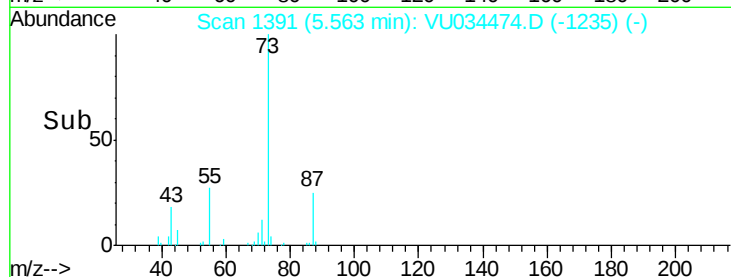
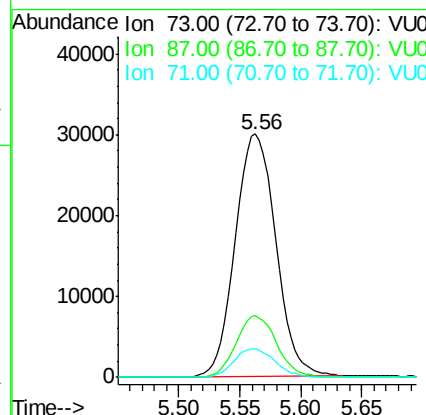
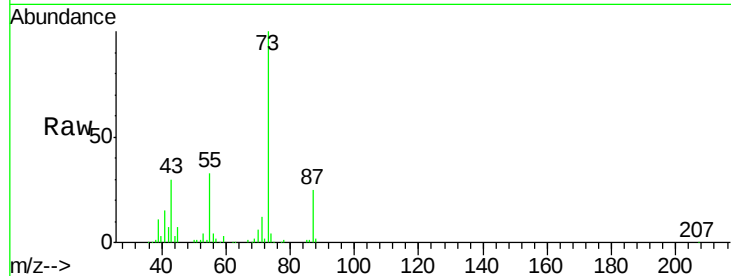
#33
Tert-Amvl methvl ether
Concen: 1.864 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	25.2	19.4	29.0
71	11.9	9.3	13.9

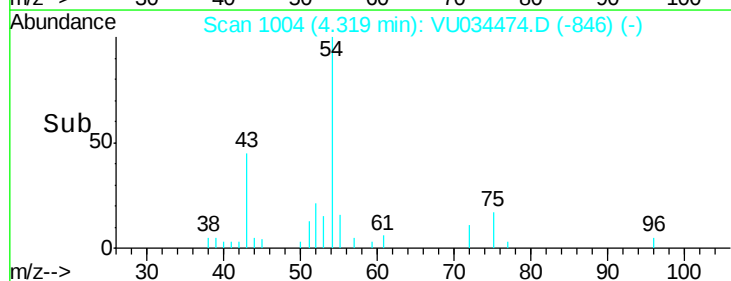
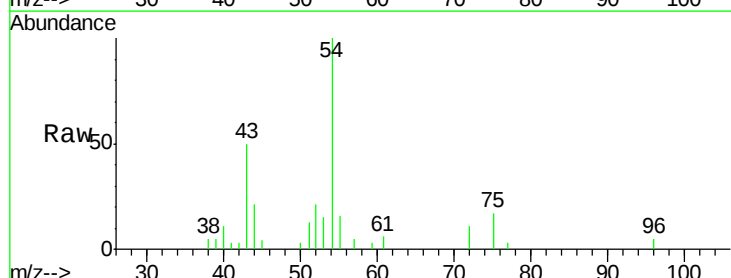
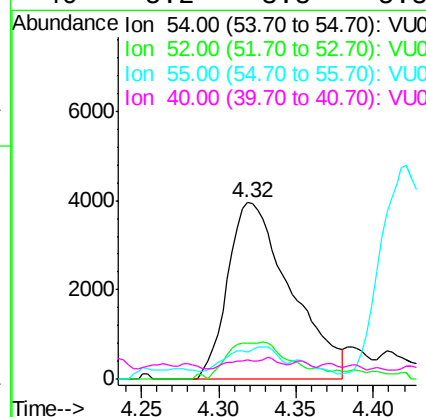
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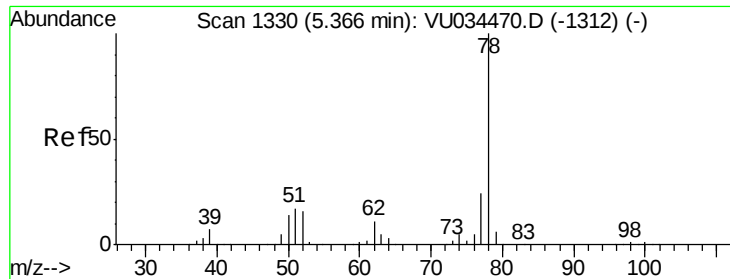
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#34
Propionitrile
Concen: 9.282 ug/l
RT: 4.32 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
54	100		
52	9.4	14.1	21.1#
55	10.1	13.3	19.9#
40	5.2	3.8	5.8





#35

Benzene

Concen: 1.890 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion: 78 Resp: 144104

Ion Ratio Lower Upper

78 100

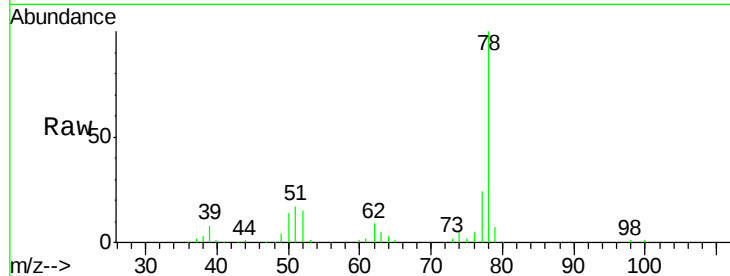
77 23.6 19.3 28.9

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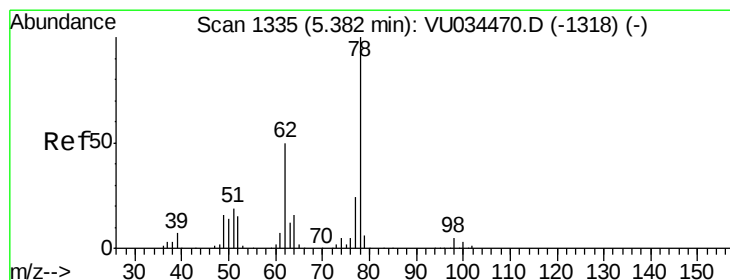
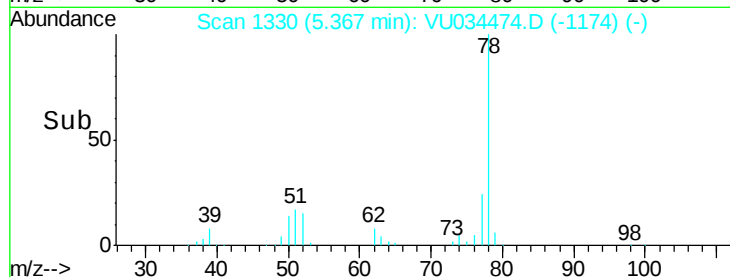
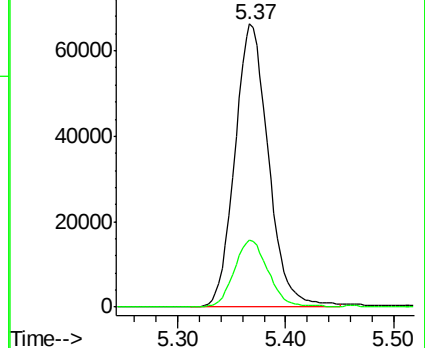
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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 1.974 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU034474.D

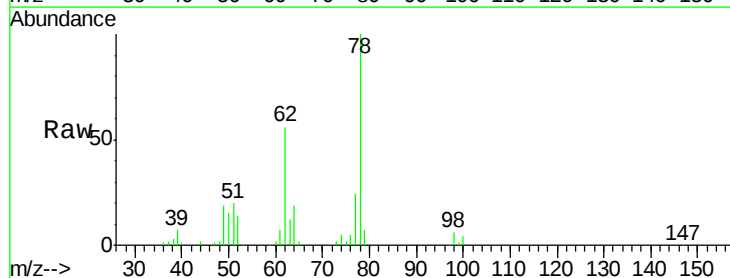
Acq: 11 Sep 2019 13:56

Tgt Ion: 62 Resp: 38646

Ion Ratio Lower Upper

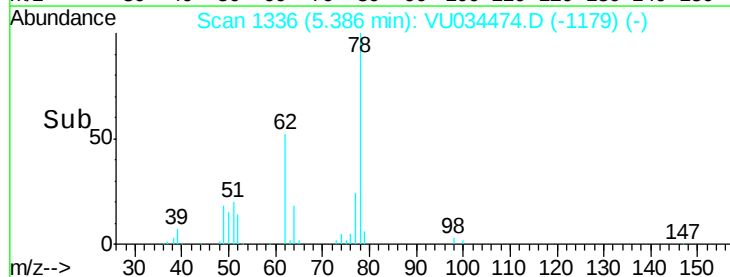
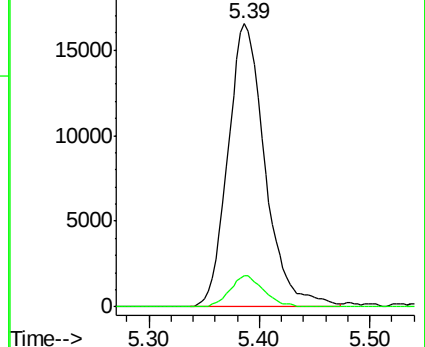
62 100

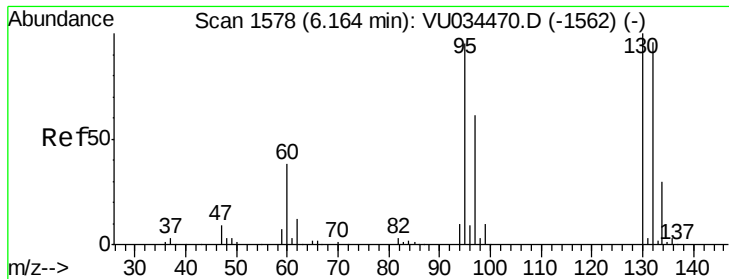
98 10.0 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





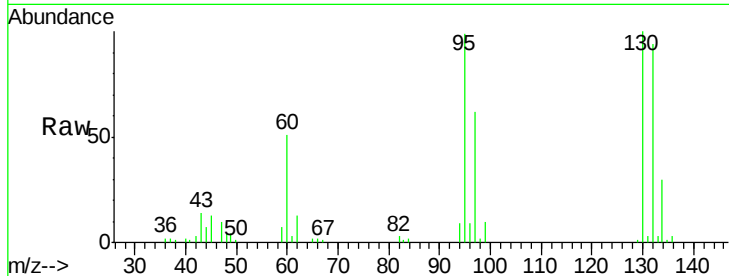
#37
 Trichloroethene
 Concen: 1.905 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

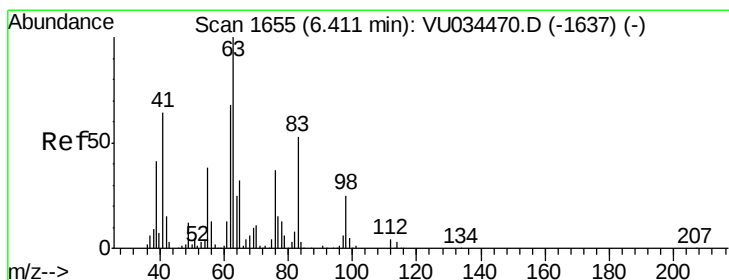
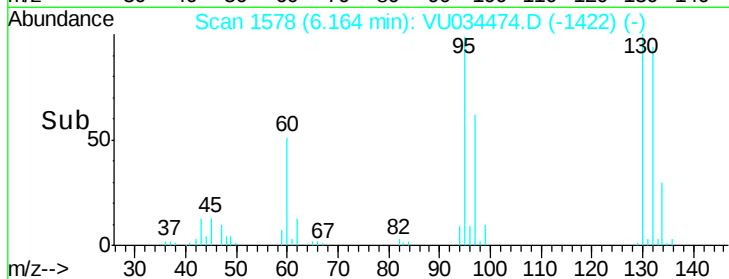
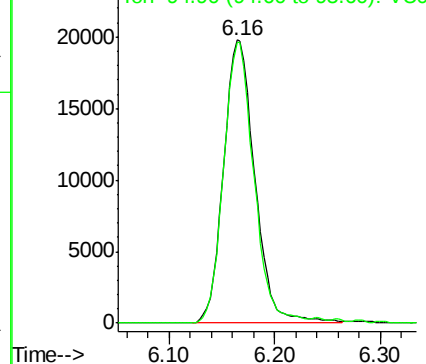
Tot Ion:130 Resp: 40636
 Ion Ratio Lower Upper
 130 100
 95 99.1 76.3 114.5

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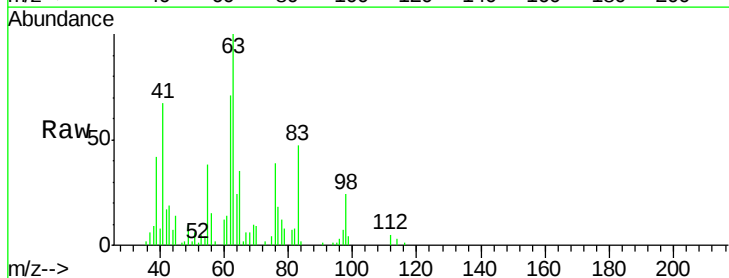


Abundance Ion 129.90 (129.60 to 130.60): VU034474.D (-1562) (-)
 Ion 94.90 (94.60 to 95.60): VU034474.D (-1562) (-)

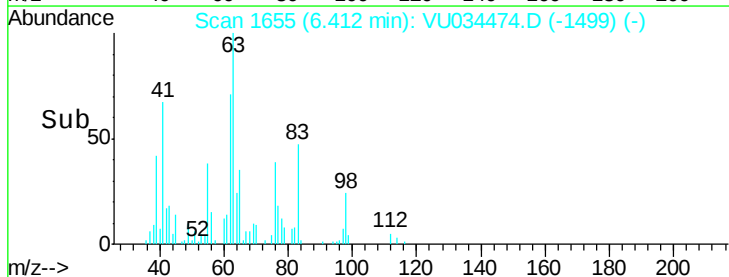
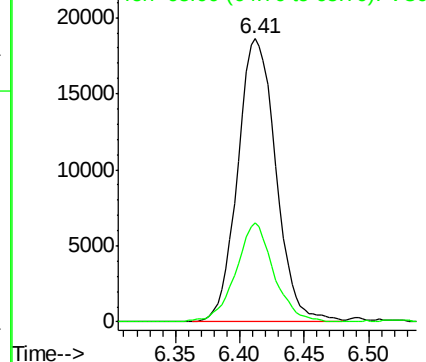


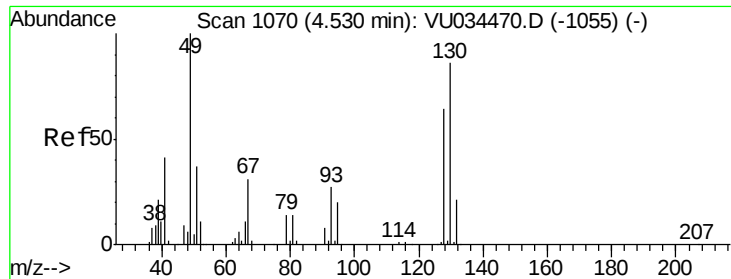
#38
 1,2-Dichloropropane
 Concen: 1.905 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion: 63 Resp: 38478
 Ion Ratio Lower Upper
 63 100
 65 35.0 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU034474.D (-1637) (-)
 Ion 65.00 (64.70 to 65.70): VU034474.D (-1637) (-)





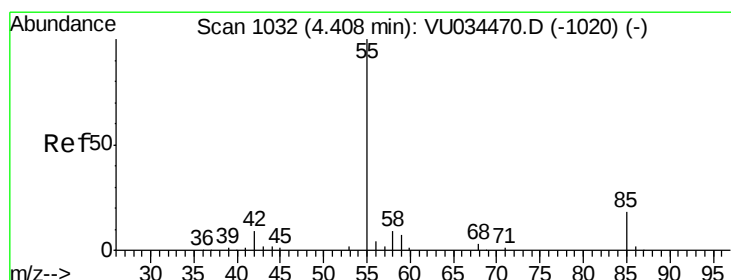
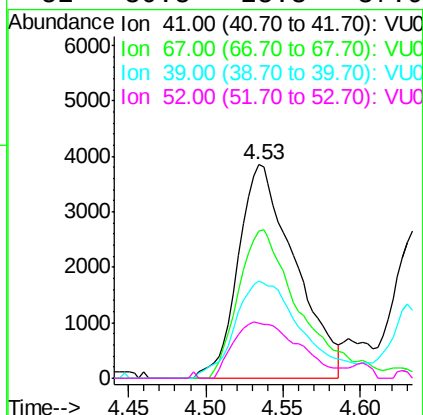
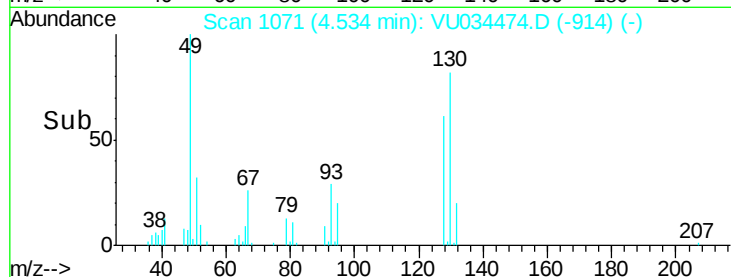
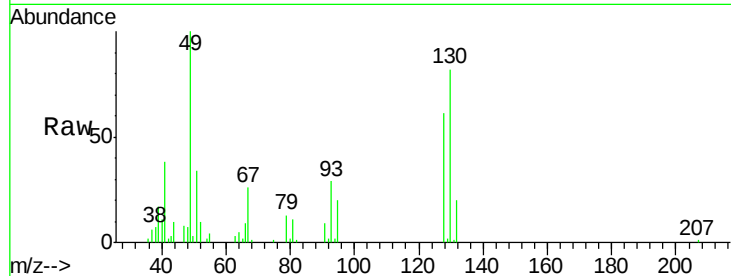
#39
Methacrylonitrile
Concen: 1.974 ug/l
RT: 4.53 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion	41	Resp:	9829
Ion	Ratio	Lower	Upper
41	100		
67	75.2	62.6	94.0
39	53.6	41.6	62.4
52	30.8	25.3	37.9

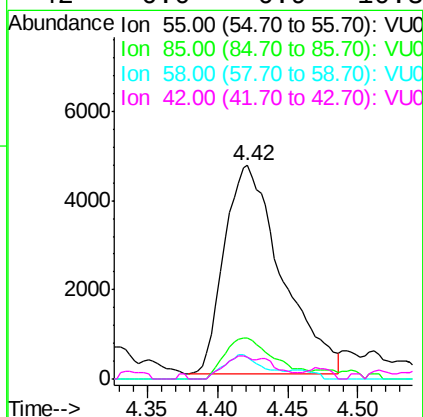
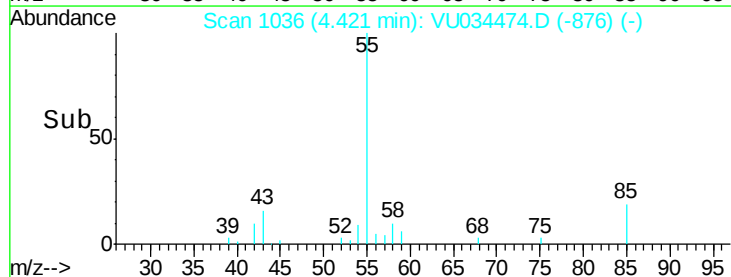
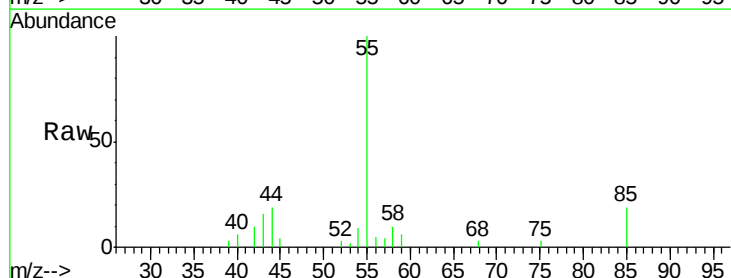
Manual Integrations
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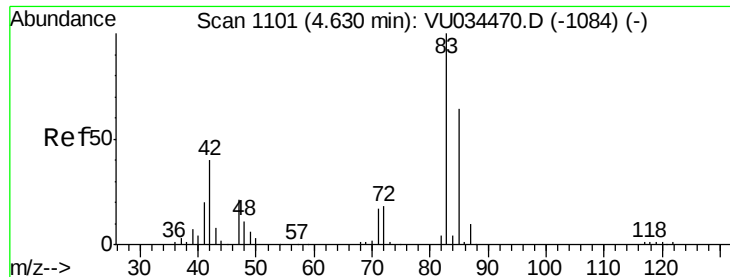
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#40
Methyl acrylate
Concen: 1.736 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	55	Resp:	13170
Ion	Ratio	Lower	Upper
55	100		
85	17.3	13.8	20.6
58	7.8	7.0	10.6
42	6.0	6.9	10.3#





#41

Tetrahydrofuran

Concen: 3.951 ug/l

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

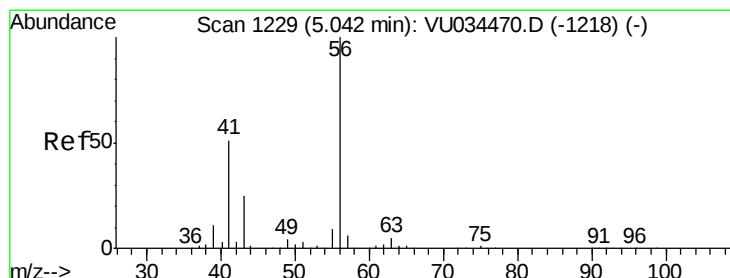
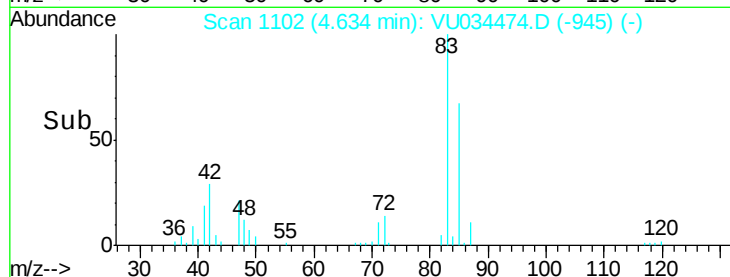
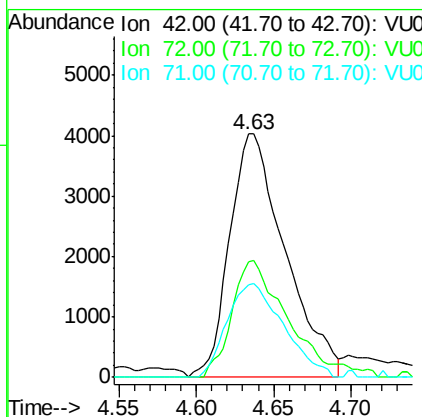
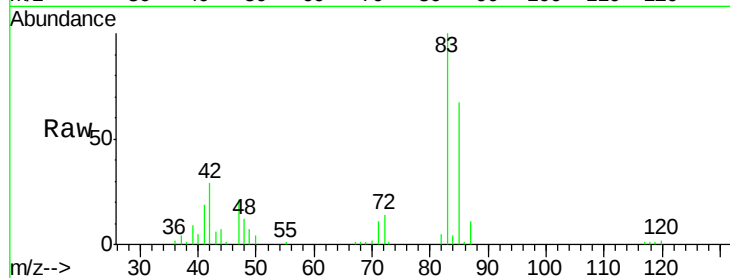
ClientSampleId :

VU0911WBS01

Tot Ion:	42	Resp:	10077
Ion	Ratio	Lower	Upper
42	100		
72	48.6	39.6	59.4
71	39.1	33.6	50.4

Manual Integrations
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#42

1-Chlorobutane

Concen: 1.887 ug/l

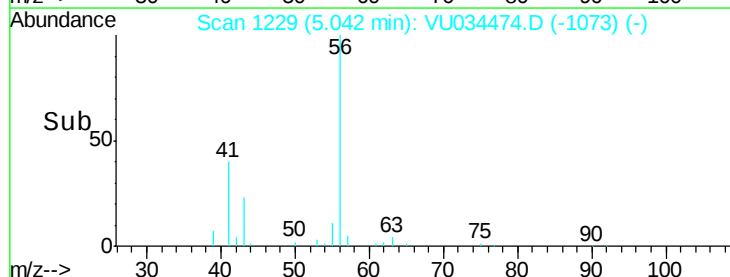
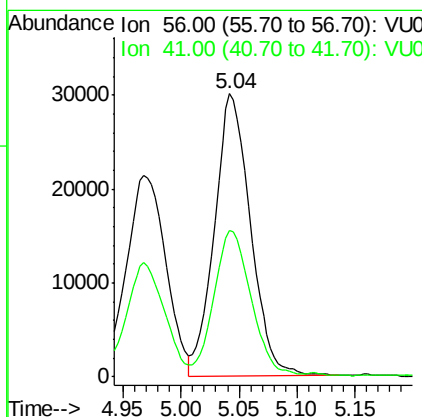
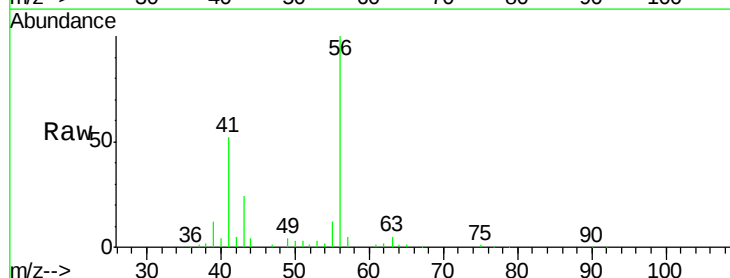
RT: 5.04 min Scan# 1229

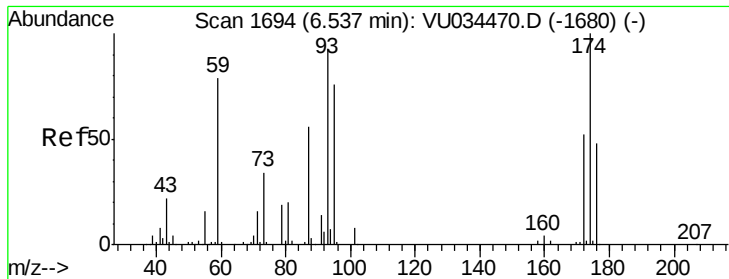
Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Tgt Ion:	56	Resp:	65169
Ion	Ratio	Lower	Upper
56	100		
41	51.5	25.5	76.5





#43

Dibromomethane

Concen: 1.840 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion: 93 Resp: 17493

Ion Ratio Lower Upper

93 100

95 87.0 67.1 100.7

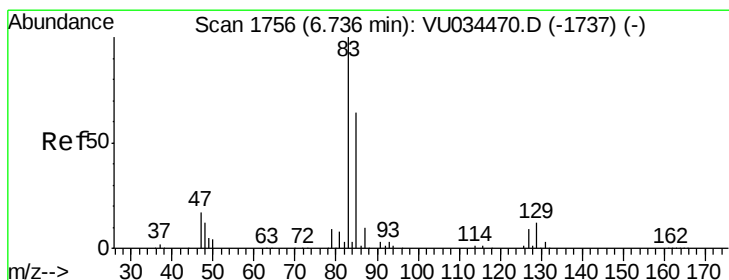
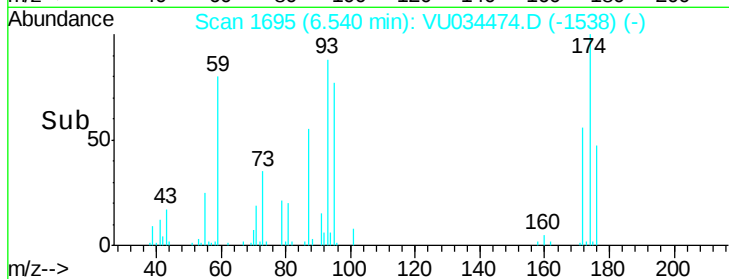
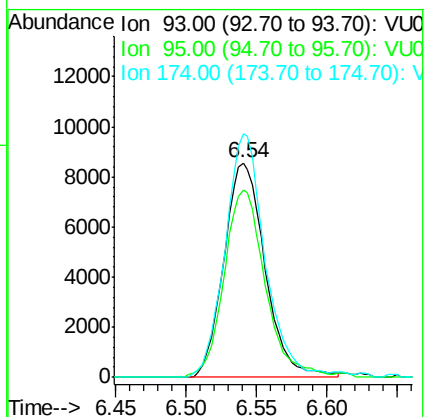
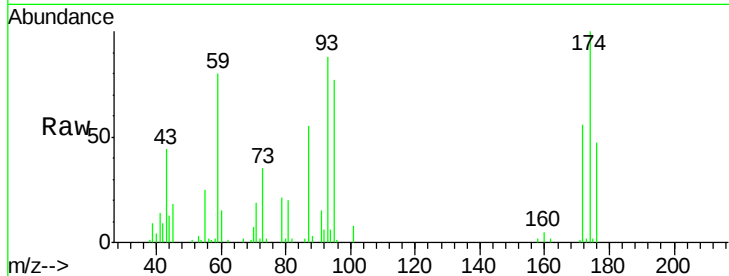
174 111.1 88.7 133.1

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#44

Bromodichloromethane

Concen: 1.919 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

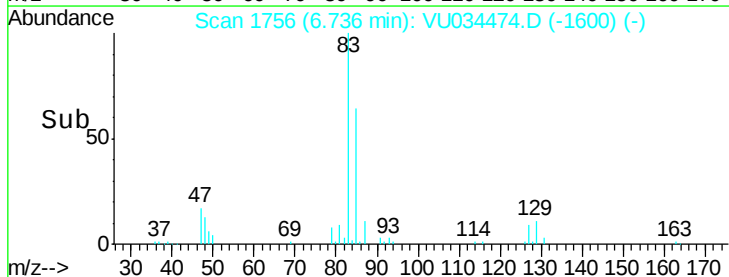
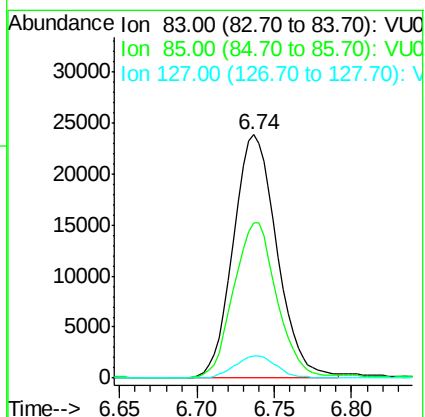
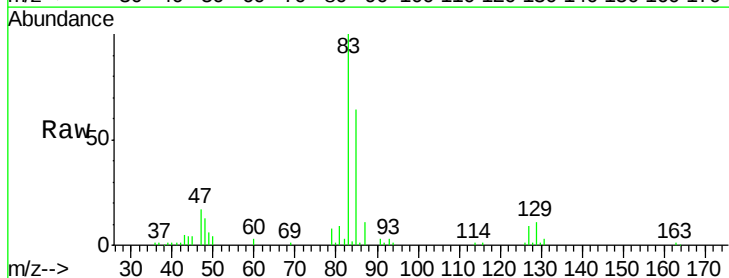
Tgt Ion: 83 Resp: 46867

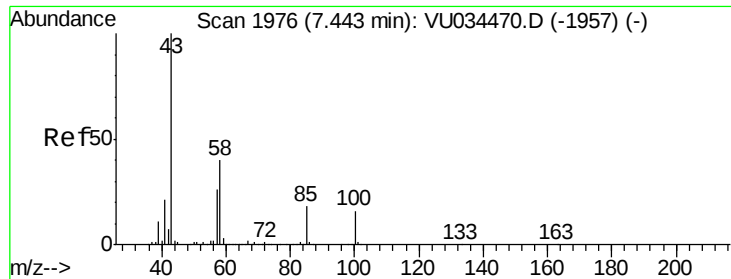
Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

127 8.9 7.1 10.7





#45

4-Methyl-2-Pentanone

Concen: 9.724 ug/l

RT: 7.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

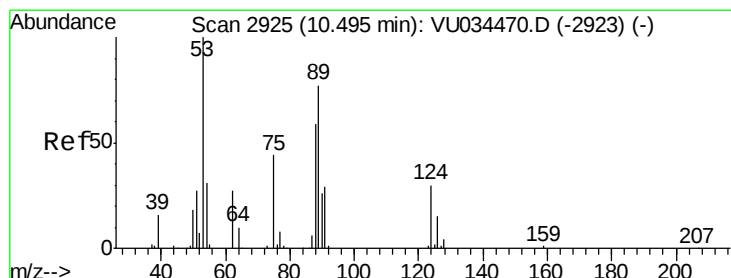
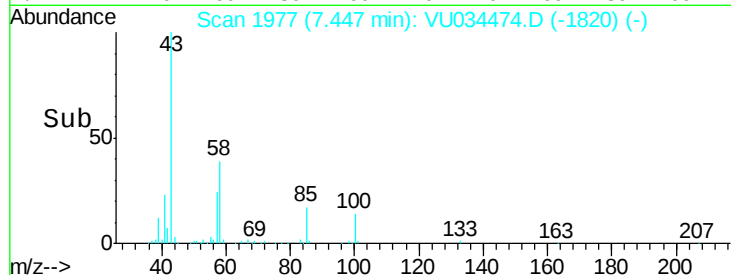
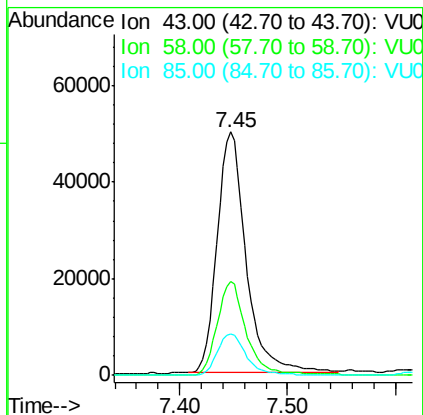
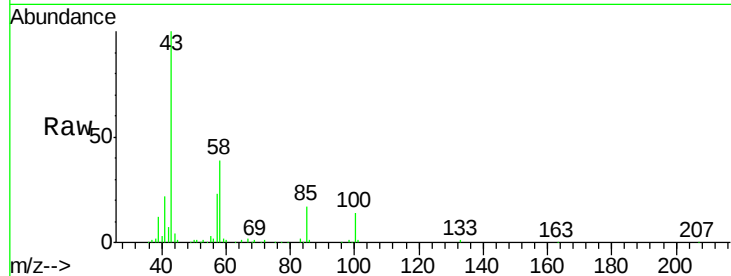
ClientSampleId :

VU0911WBS01

Tot Ion:	43	Resp:	93715
Ion	Ratio	Lower	Upper
43	100		
58	39.5	20.2	60.6
85	17.3	14.6	21.8

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#46

t-1,4-Dichloro-2-butene

Concen: 3.645 ug/l m

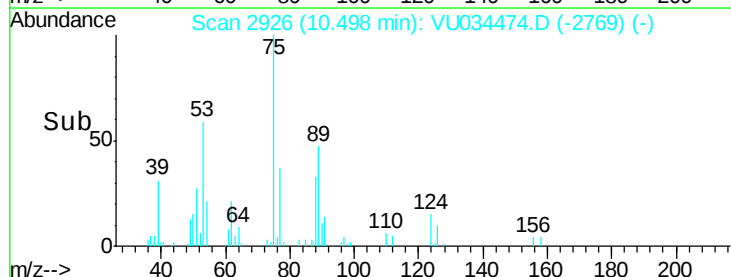
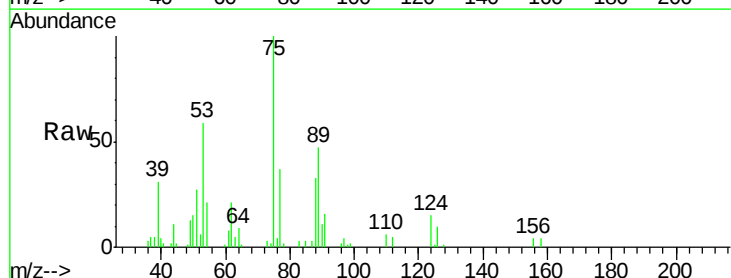
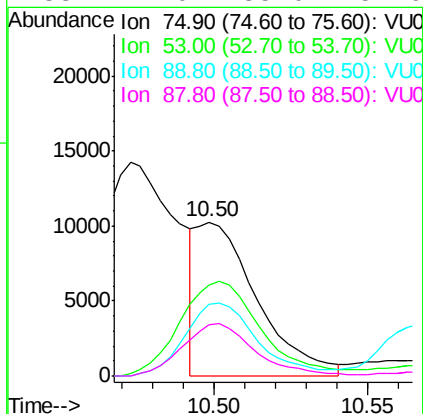
RT: 10.50 min Scan# 2926

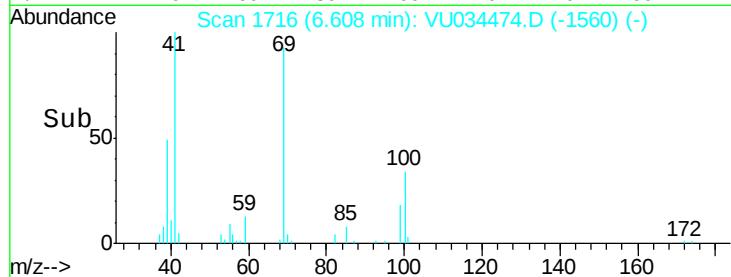
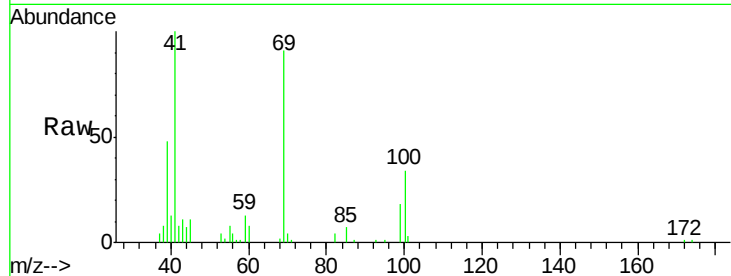
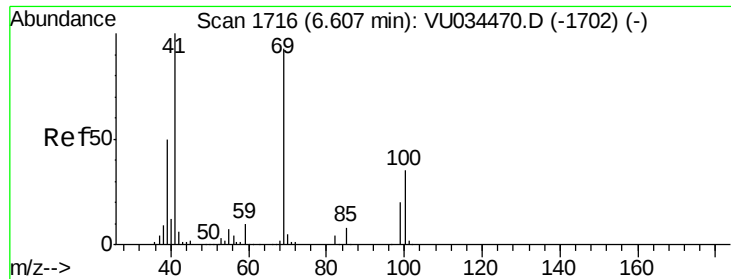
Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Tgt Ion:	75	Resp:	14000
Ion	Ratio	Lower	Upper
75	100		
53	82.6	63.3	94.9
89	57.2	46.2	69.2
88	41.0	35.0	52.6





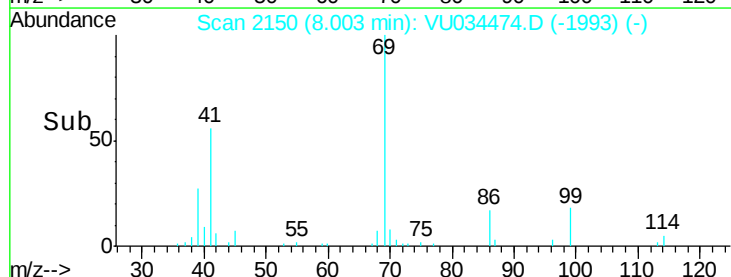
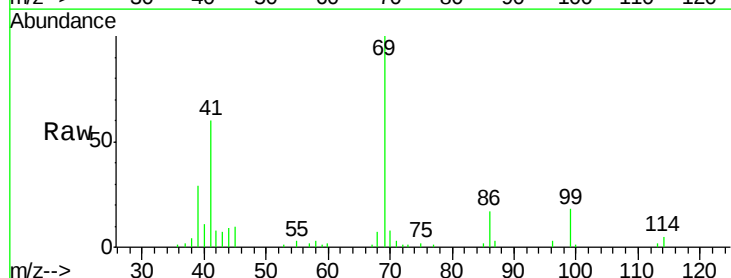
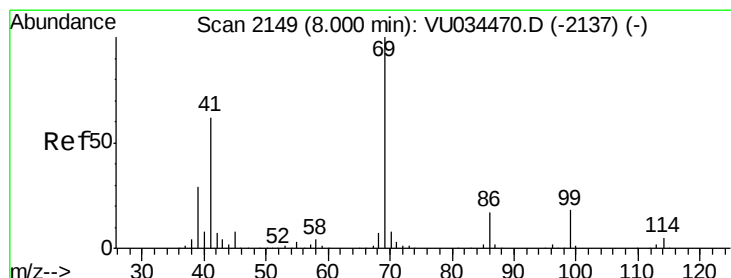
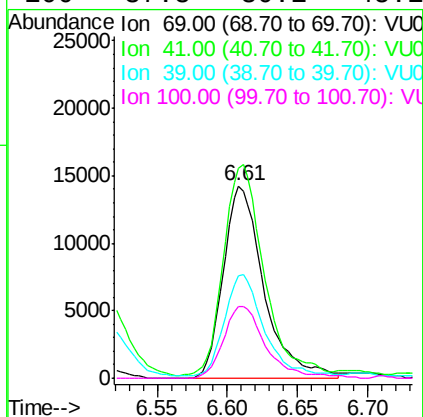
#47
Methvl methacrylate
Concen: 3.780 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		28658		
41	109.1	0.0	212.8		
39	51.0	43.0	64.4		
100	37.8	30.1	45.1		

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

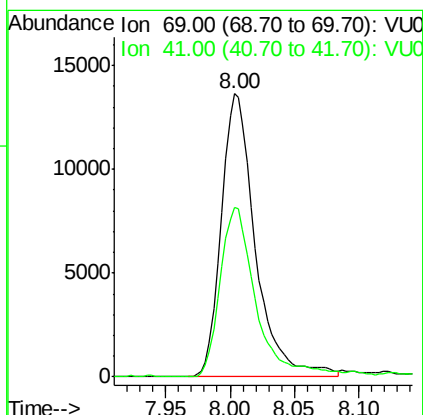
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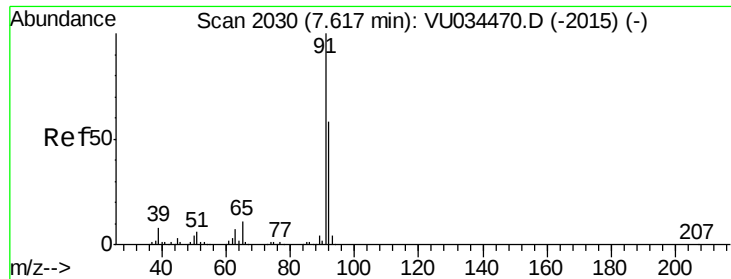
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#48
Ethyl methacrylate
Concen: 1.839 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		25049		
41	63.0	30.6	91.8		





#49

Toluene

Concen: 1.866 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion: 92 Resp: 83007

Ion Ratio Lower Upper

92 100

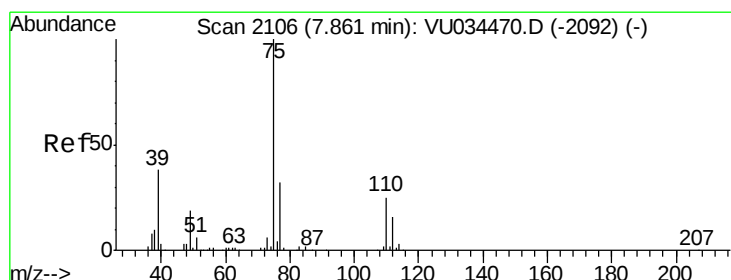
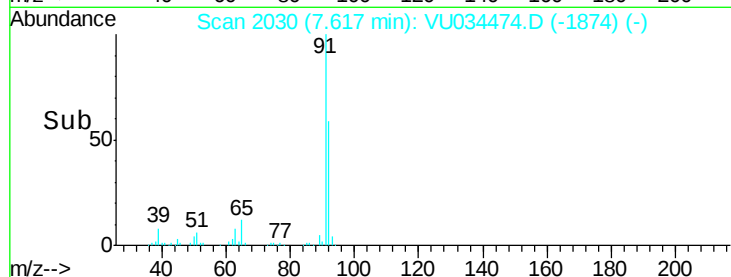
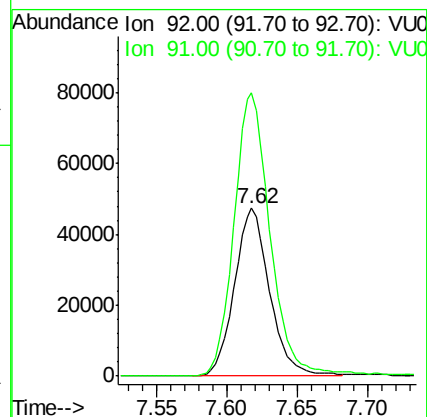
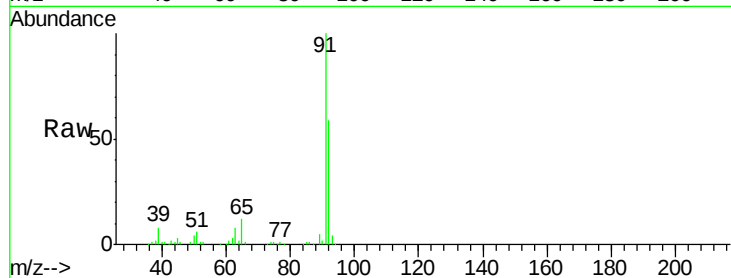
91 172.7 138.6 208.0

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#50

t-1,3-Dichloropropene

Concen: 1.812 ug/l

RT: 7.87 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU034474.D

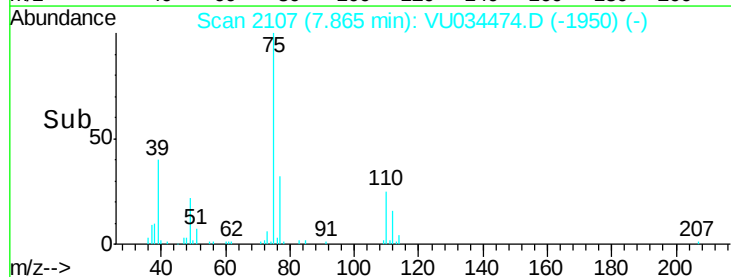
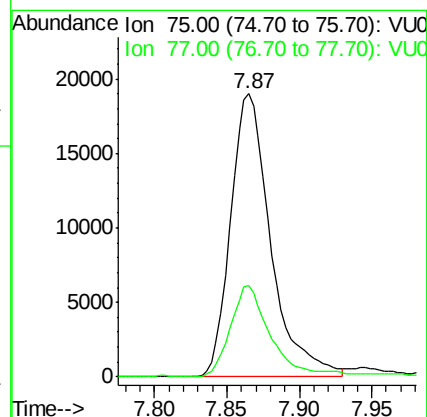
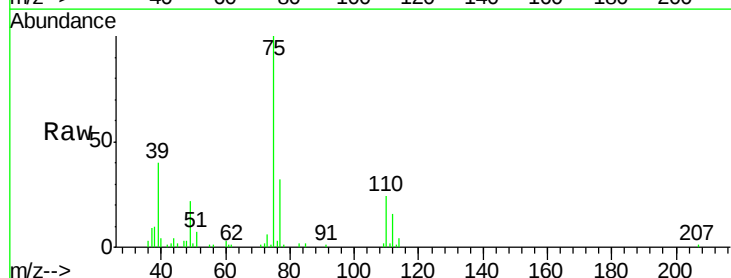
Acq: 11 Sep 2019 13:56

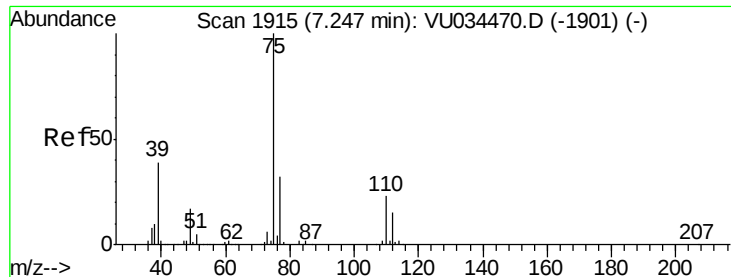
Tgt Ion: 75 Resp: 36435

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0





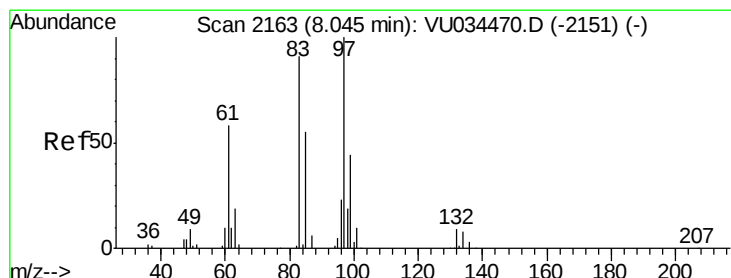
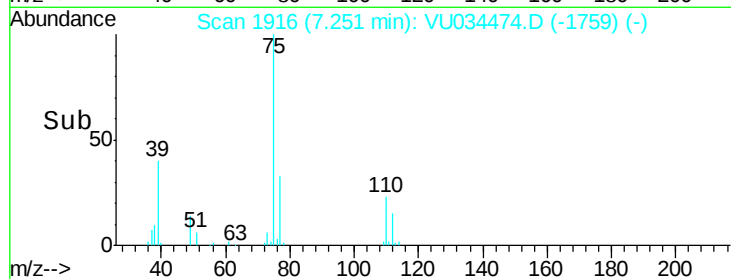
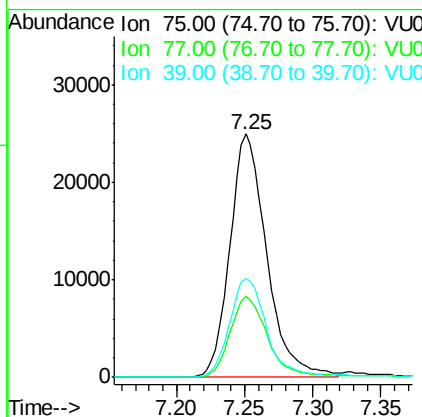
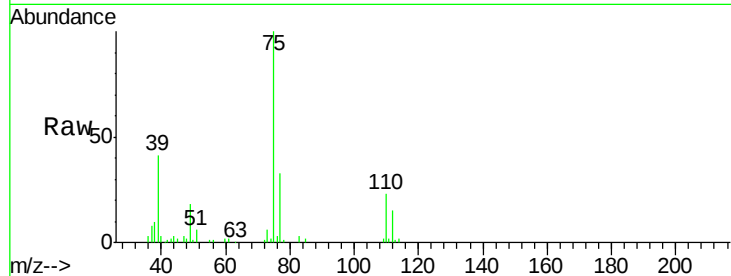
#51
 cis-1,3-Dichloropropene
 Concen: 1.852 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9
39	40.7	31.0	46.4

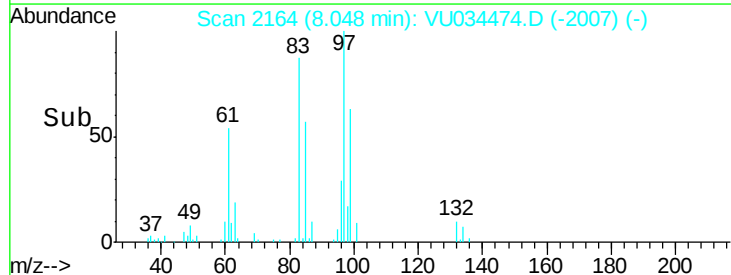
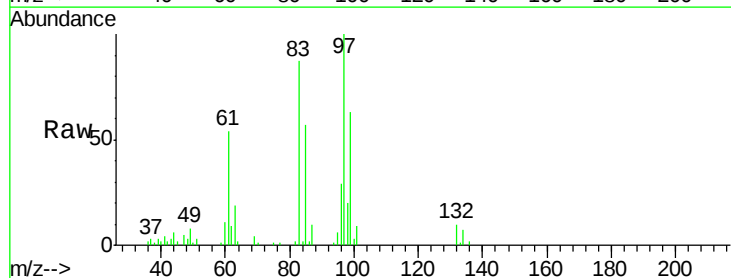
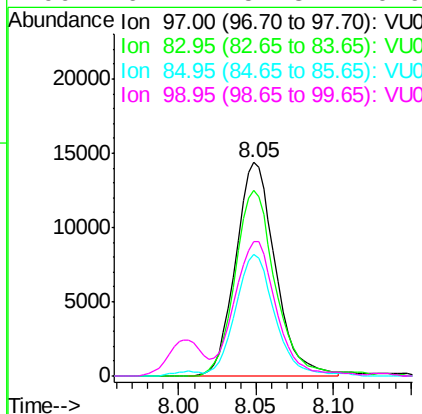
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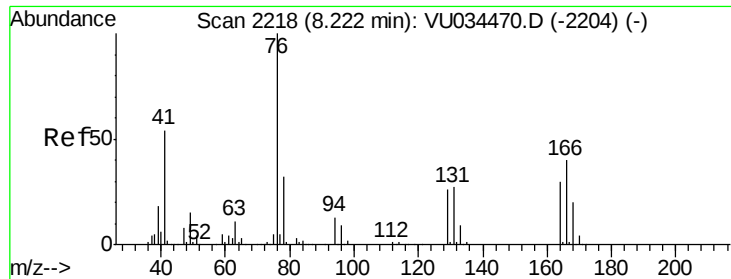
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 9/12/2019 4:53:44 PM



#52
 1,1,2-Trichloroethane
 Concen: 1.941 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.0	72.5	108.7
85	55.5	45.4	68.0
99	61.2	51.3	76.9





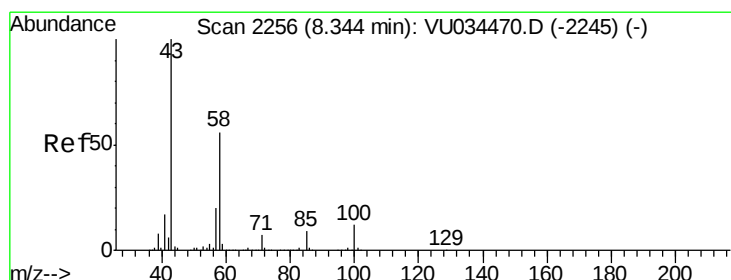
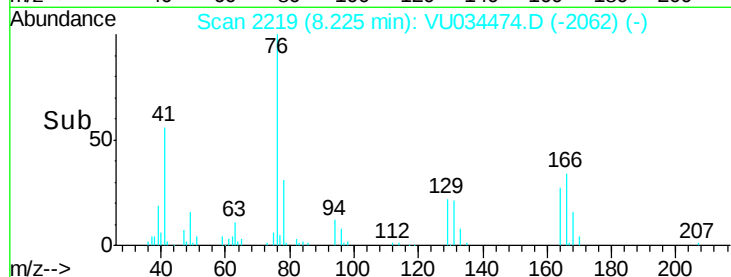
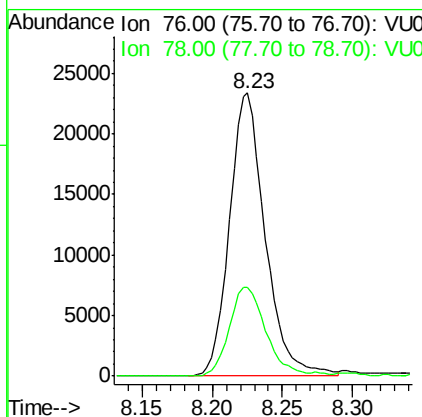
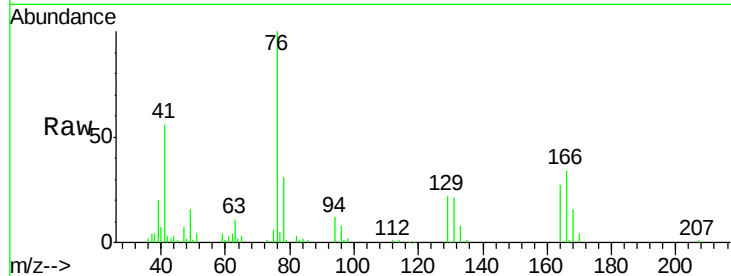
#53
 1,3-Dichloropropane
 Concen: 1.878 ug/l
 RT: 8.23 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion: 76 Resp: 41464
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

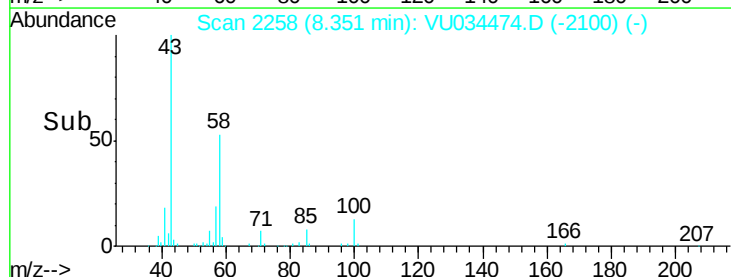
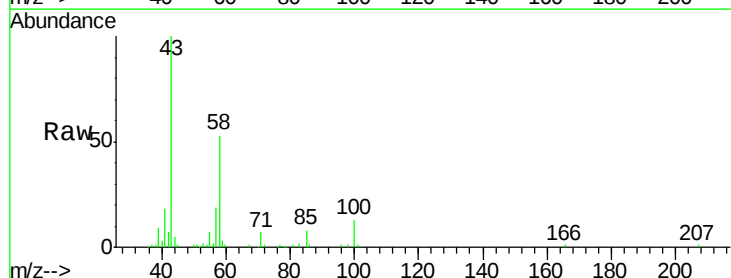
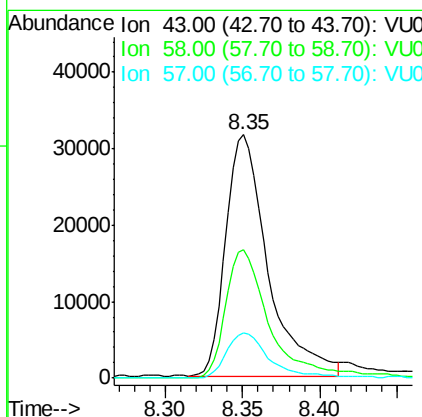
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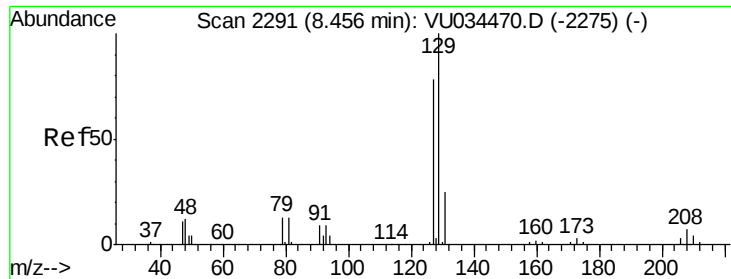
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#54
 2-Hexanone
 Concen: 9.284 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. 0.01 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion: 43 Resp: 59977
 Ion Ratio Lower Upper
 43 100
 58 55.9 36.4 76.4
 57 19.3 0.0 39.5





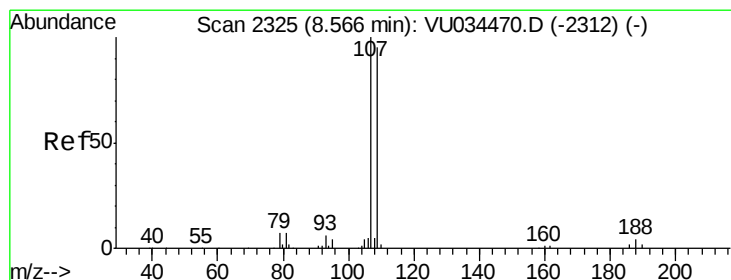
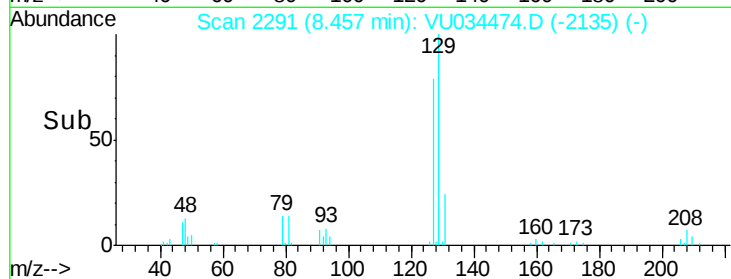
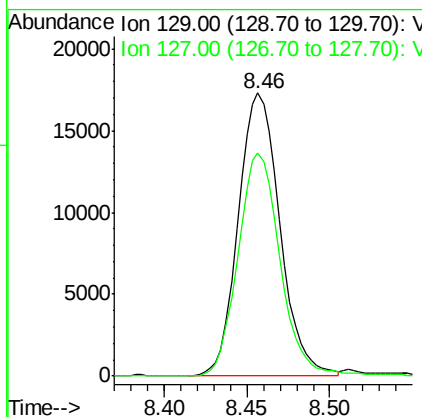
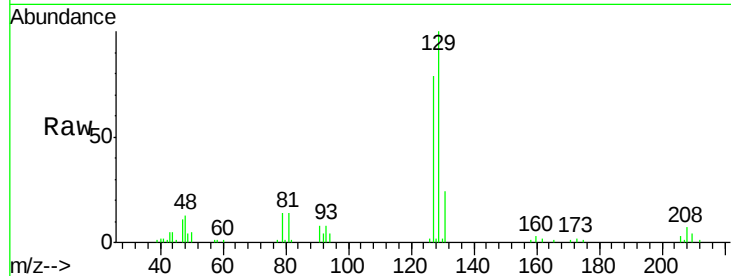
#55
 Dibromochloromethane
 Concen: 1.884 ug/l
 RT: 8.46 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		30218		
127	79.7		60.9	91.3	

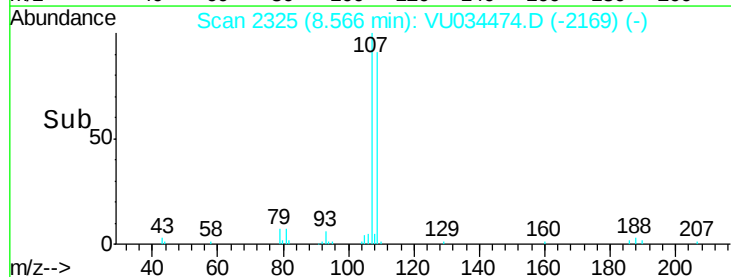
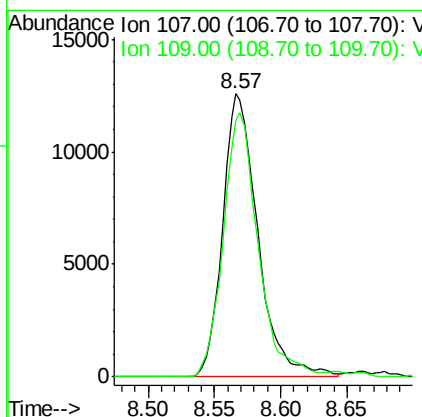
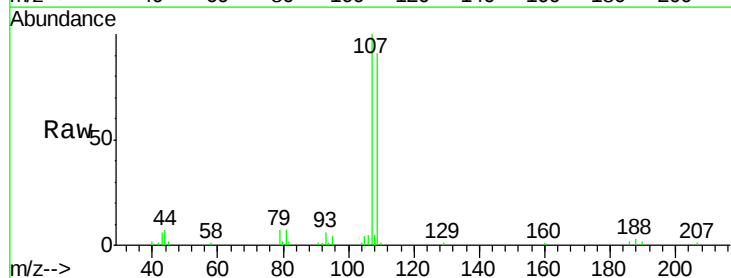
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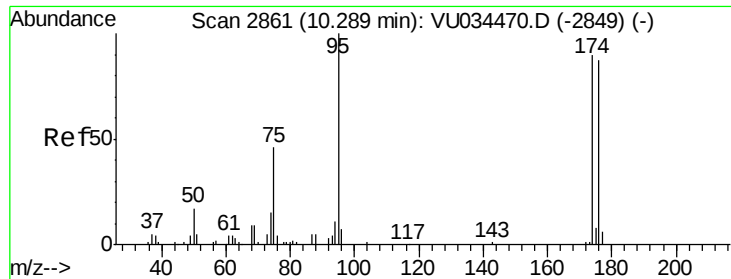
MMDadoda
 9/12/2019 4:53:44 PM



#56
 1,2-Dibromoethane
 Concen: 1.914 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		23176		
109	92.7		0.0	190.8	





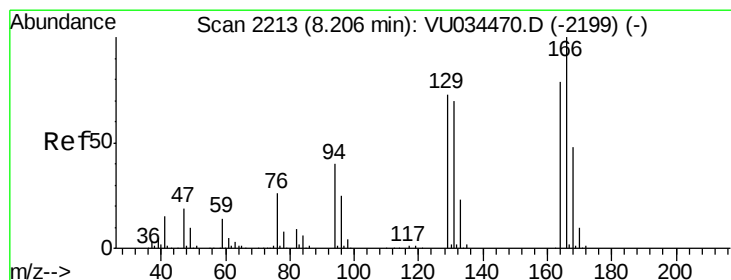
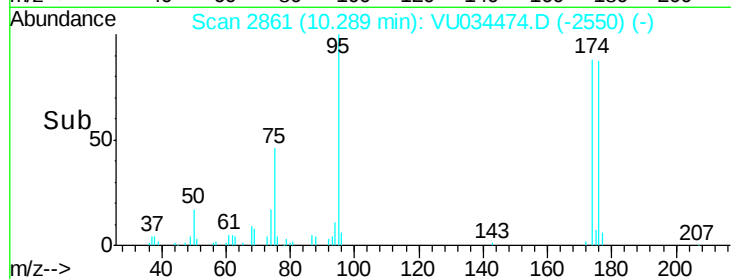
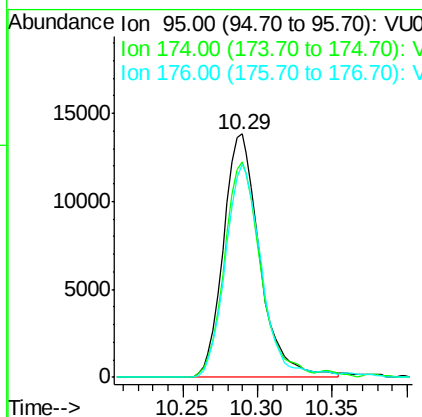
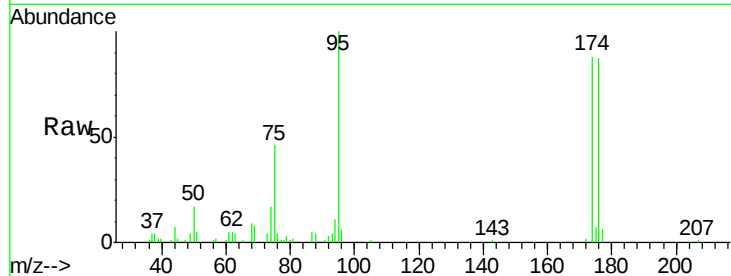
#57
4-Bromofluorobenzene
Concen: 0.952 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.3	70.1	105.1
176	87.0	67.7	101.5

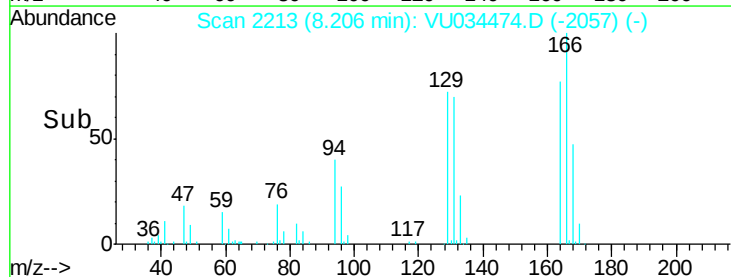
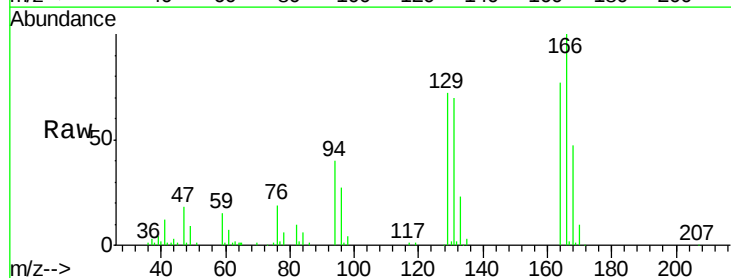
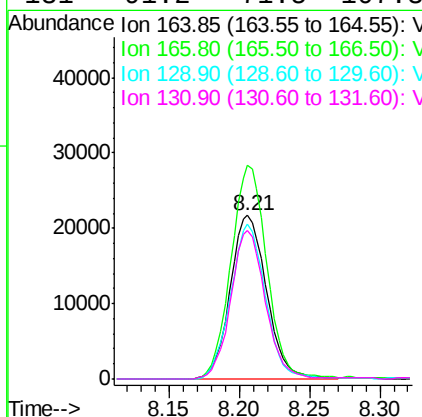
Manual Integrations
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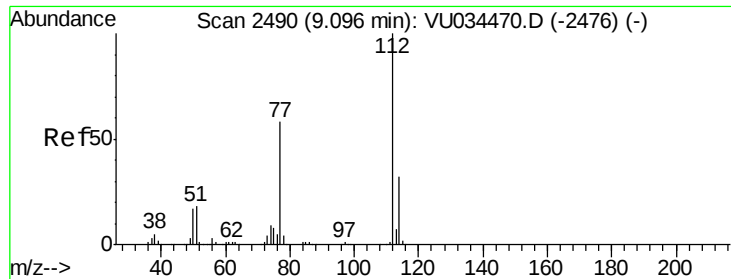
MMDadoda
9/12/2019 4:53:44 PM



#58
Tetrachloroethene
Concen: 1.940 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.5	152.3
129	94.7	73.8	110.8
131	91.2	71.5	107.3





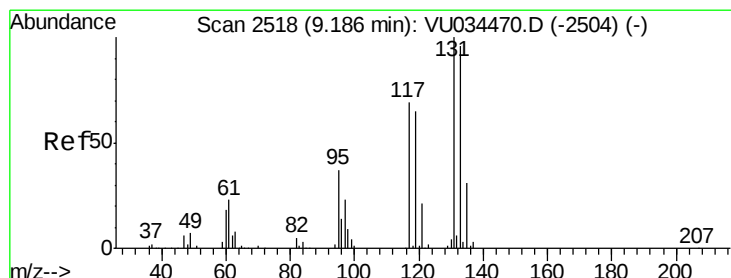
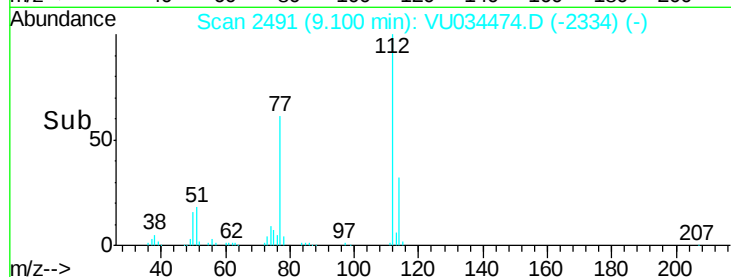
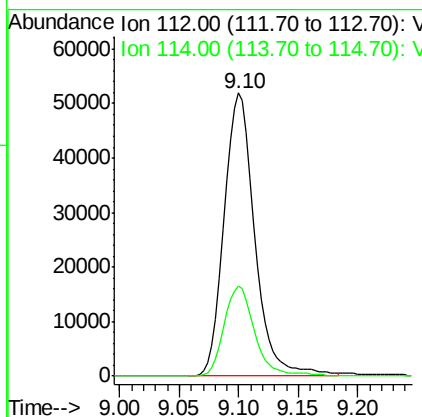
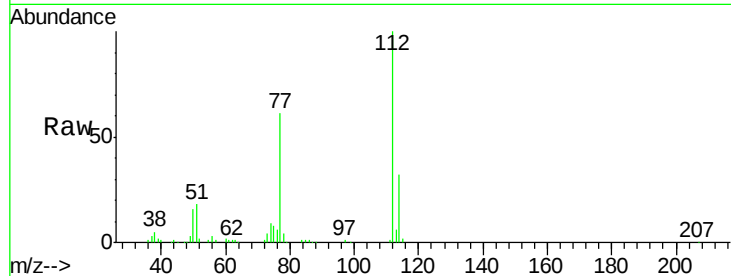
#59
Chlorobenzene
Concen: 1.876 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion:112 Resp: 92960
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

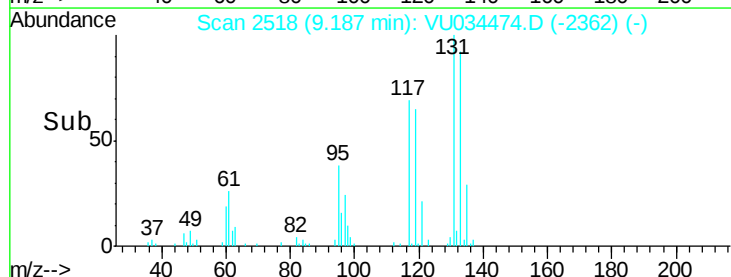
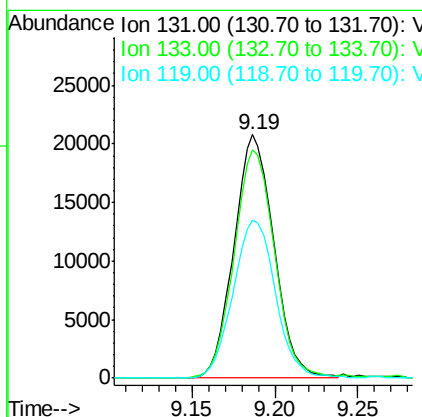
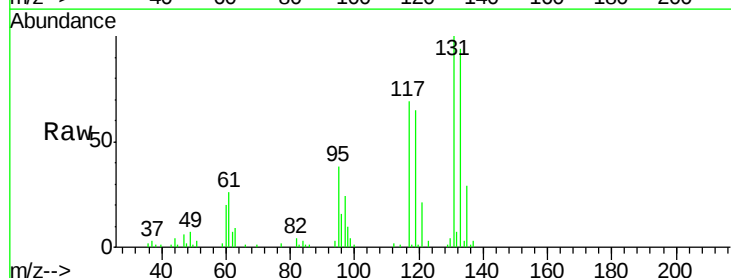
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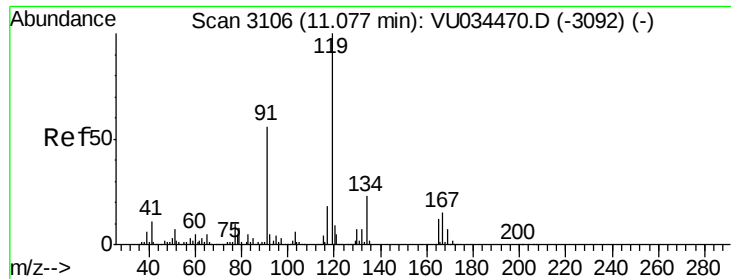
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.899 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion:131 Resp: 34853
Ion Ratio Lower Upper
131 100
133 94.9 76.8 115.2
119 68.6 52.4 78.6





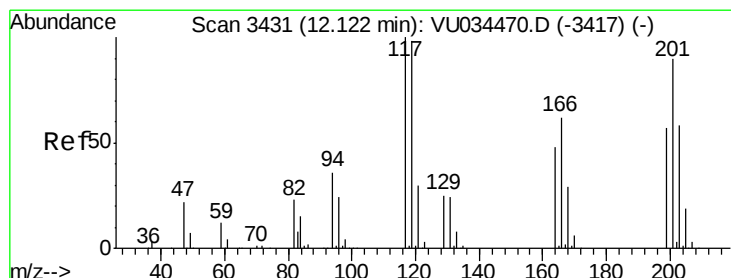
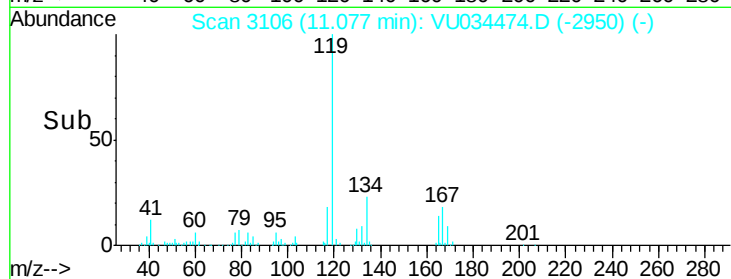
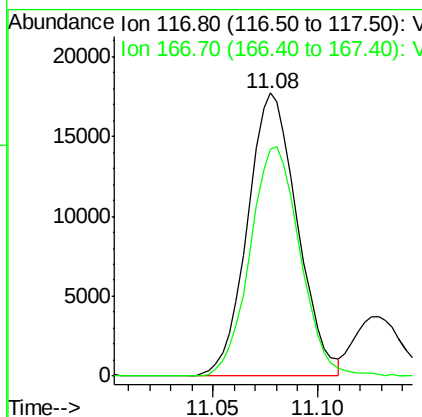
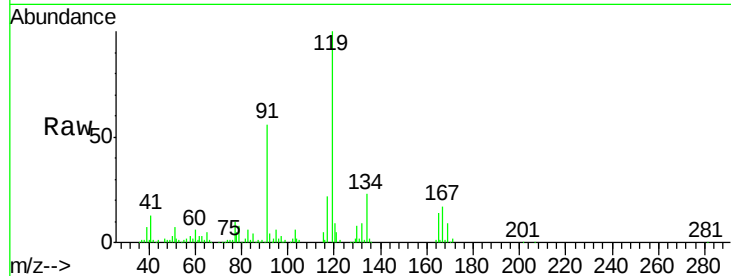
#61
 Pentachloroethane
 Concen: 1.961 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion:117 Resp: 29128
 Ion Ratio Lower Upper
 117 100
 167 81.1 70.7 106.1

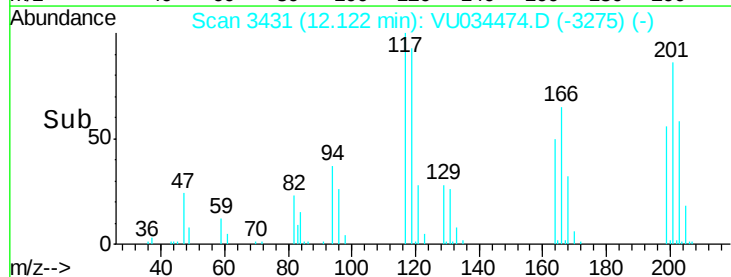
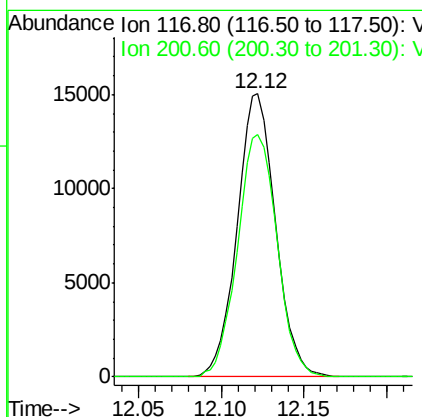
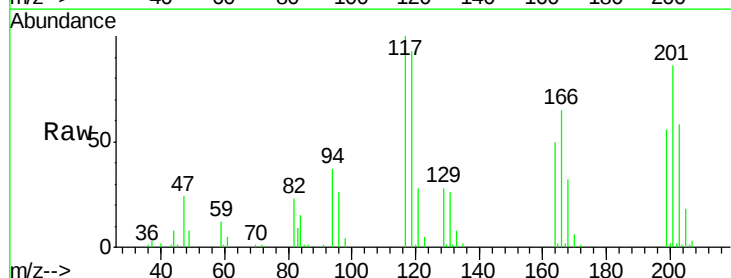
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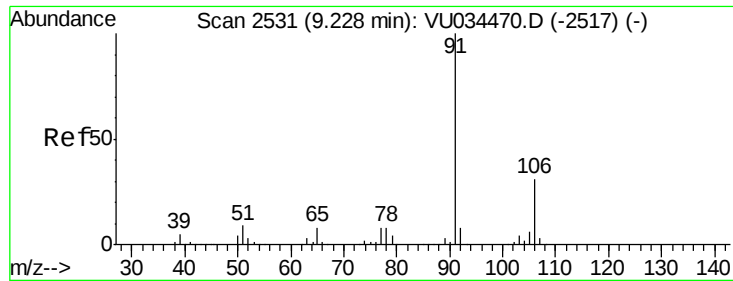
MMDadoda
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#62
 Hexachloroethane
 Concen: 1.834 ug/l
 RT: 12.12 min Scan# 3431
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion:117 Resp: 24197
 Ion Ratio Lower Upper
 117 100
 201 88.4 71.8 107.8





#63

Ethyl Benzene

Concen: 1.823 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion: 91 Resp: 144883

Ion Ratio Lower Upper

91 100

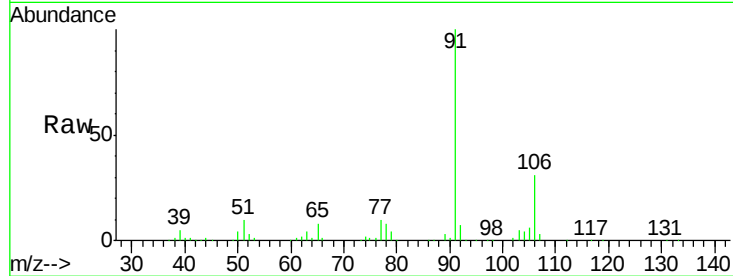
106 30.9 25.2 37.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU034474.D (-2375) (-)

Ion 106.00 (105.70 to 106.70): VU034474.D (-2375) (-)

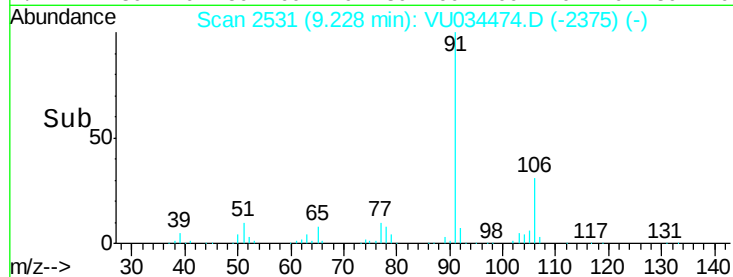
150000

100000

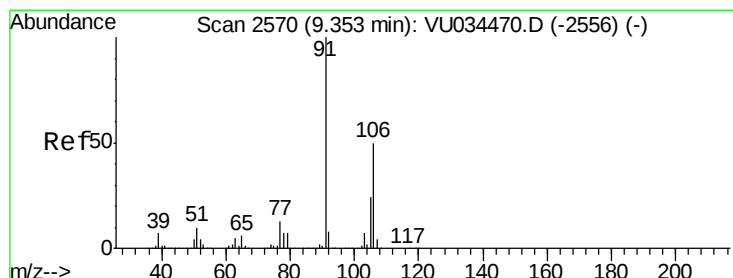
50000

0

9.15 9.20 9.25 9.30 9.35



Time-->



#64

m/p-Xylenes

Concen: 3.675 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034474.D

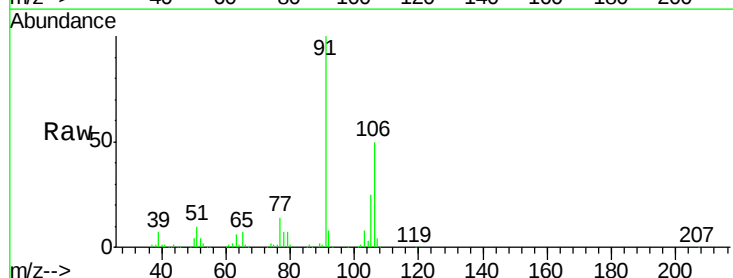
Acq: 11 Sep 2019 13:56

Tgt Ion: 106 Resp: 118271

Ion Ratio Lower Upper

106 100

91 198.6 161.8 242.6



Abundance Ion 106.00 (105.70 to 106.70): VU034474.D (-2414) (-)

Ion 91.00 (90.70 to 91.70): VU034474.D (-2414) (-)

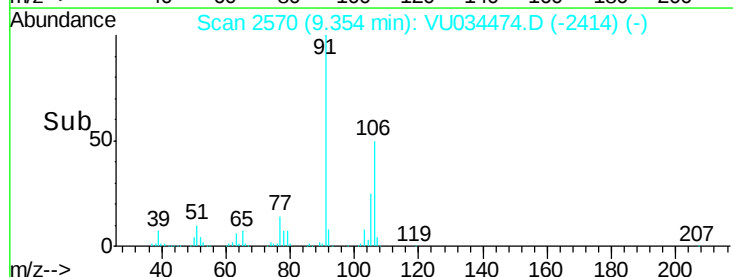
150000

100000

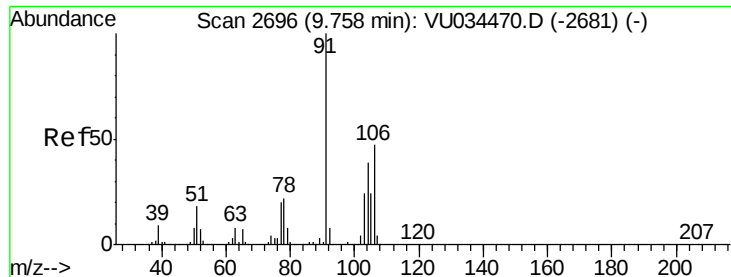
50000

0

9.25 9.30 9.35 9.40 9.45



Time-->



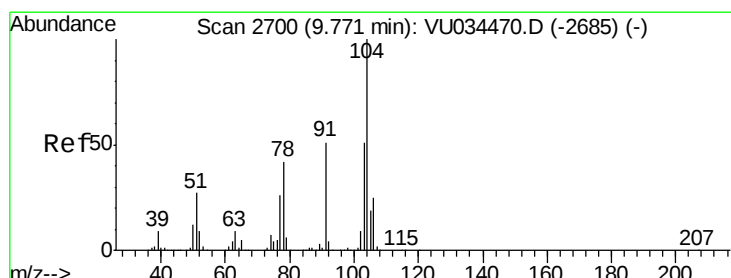
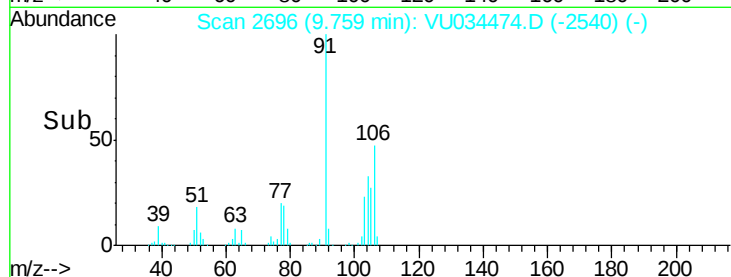
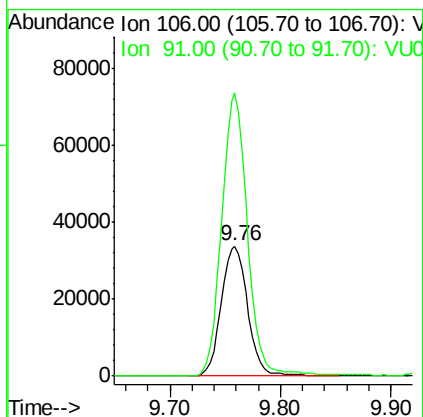
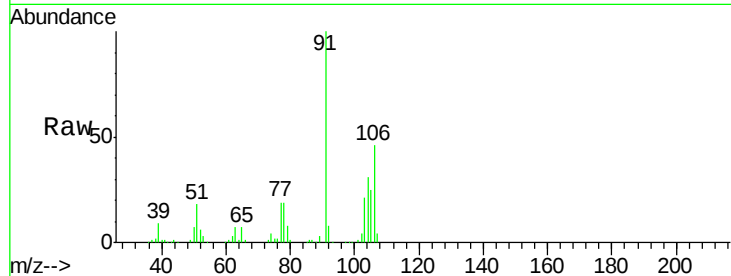
#65
o-Xylene
Concen: 1.838 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		56359		
91	212.1	104.7	313.9		

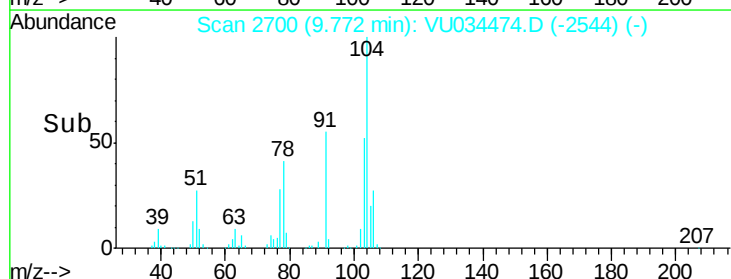
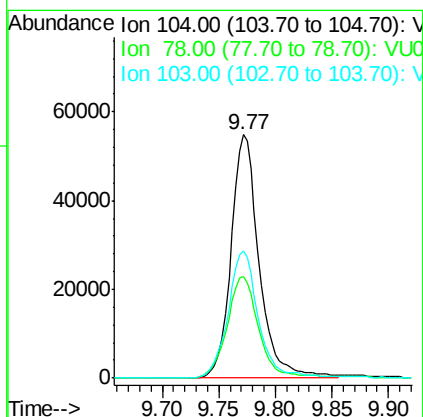
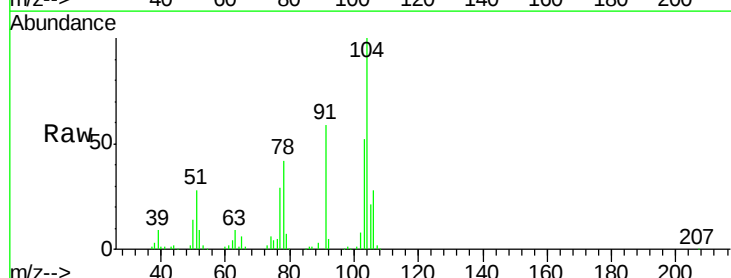
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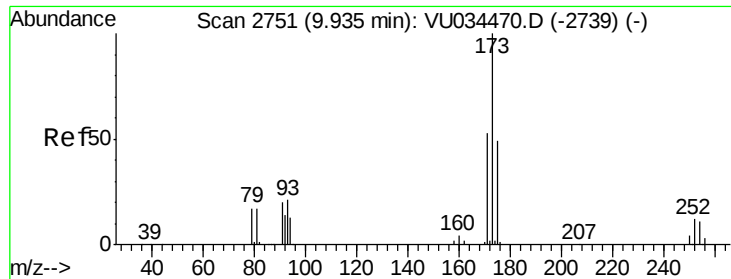
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#66
Styrene
Concen: 1.848 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		94849		
78	46.8	37.8	56.6		
103	56.4	43.8	65.8		





#67

Bromoform

Concen: 1.956 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

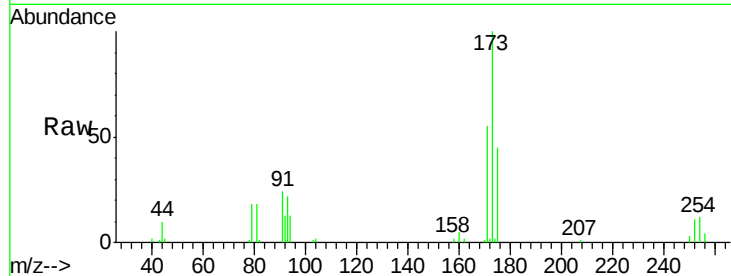
ClientSampleId :

VU0911WBS01

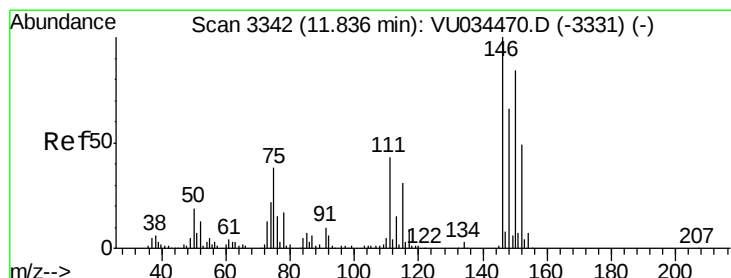
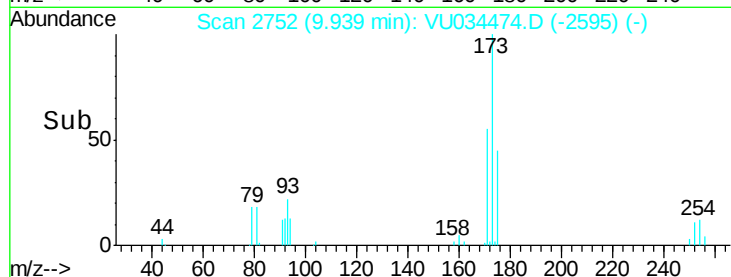
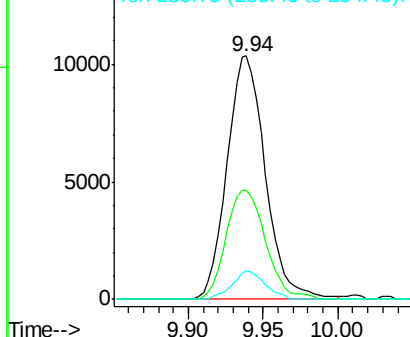
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	39.1	58.7
254	10.0	8.6	13.0

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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: 0.991 ug/l

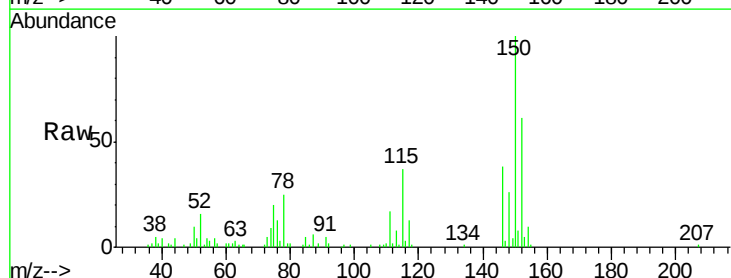
RT: 11.84 min Scan# 3343

Delta R.T. 0.00 min

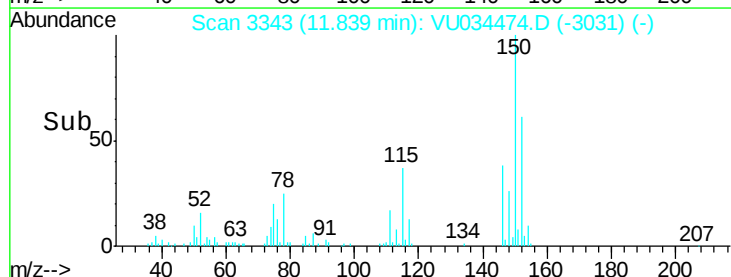
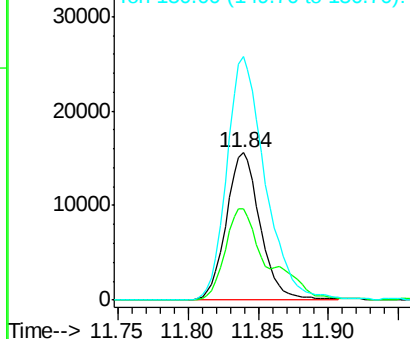
Lab File: VU034474.D

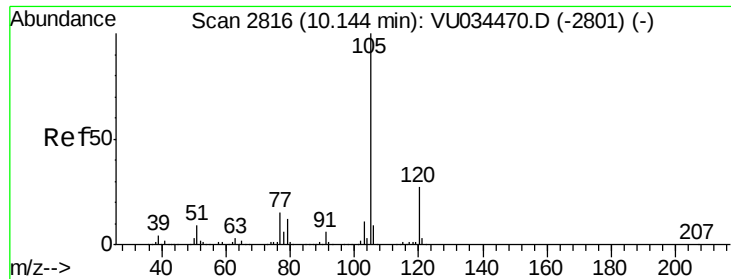
Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	0.0	126.6
150	186.6	0.0	633.6



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





#69

Isopropylbenzene

Concen: 1.850 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampled :

VU0911WBS01

Tot Ion:105 Resp: 147844

Ion Ratio Lower Upper

105 100

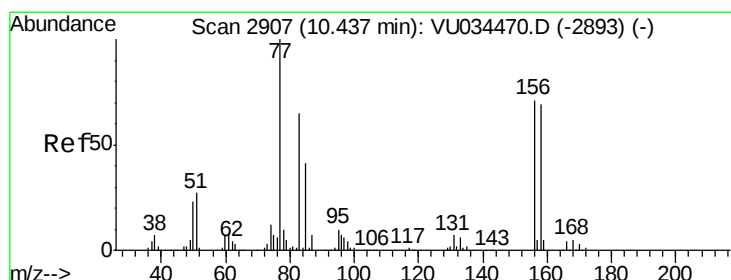
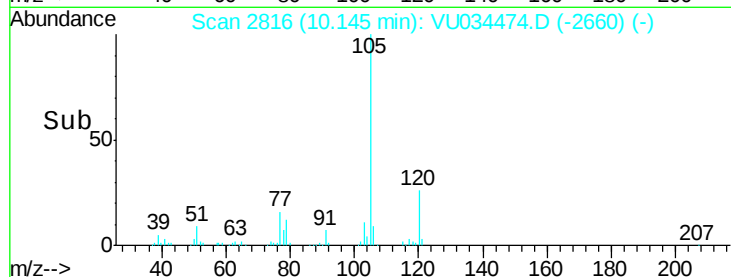
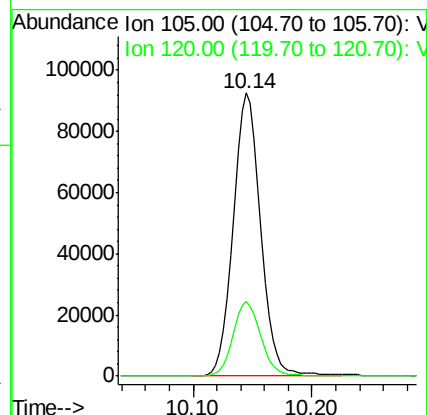
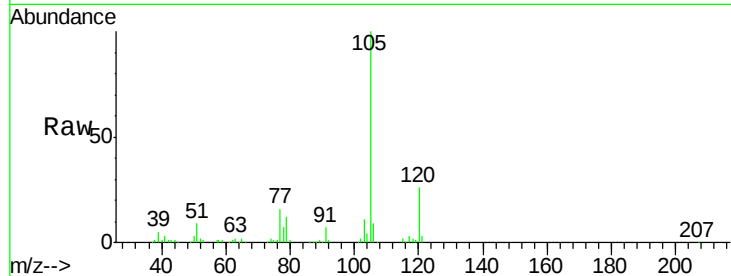
120 26.6 13.4 40.2

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.965 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

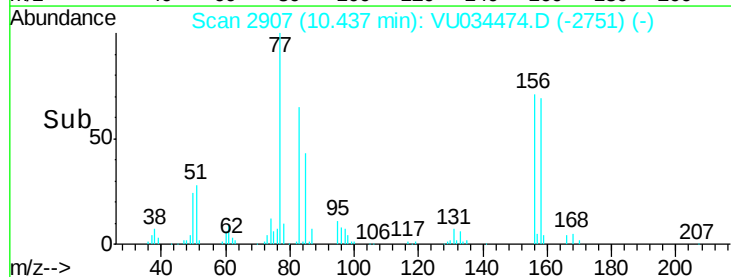
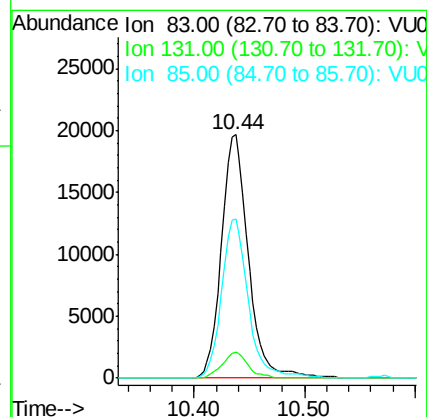
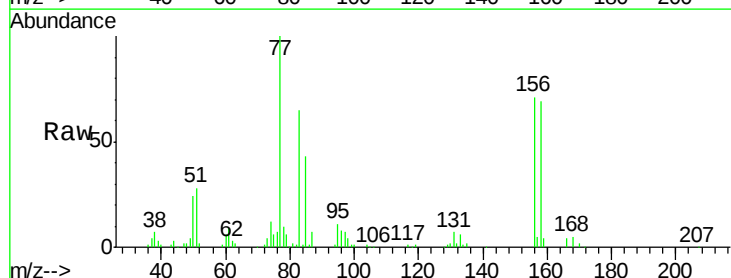
Tgt Ion: 83 Resp: 33291

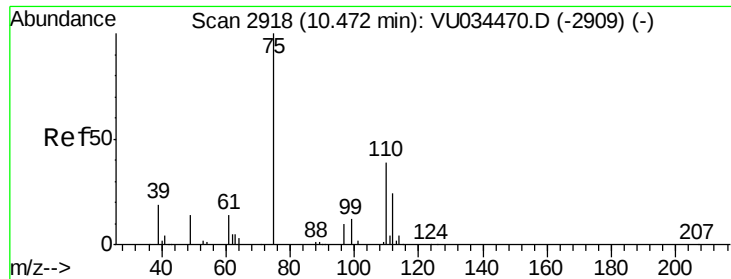
Ion Ratio Lower Upper

83 100

131 10.1 8.2 12.4

85 64.5 51.9 77.9





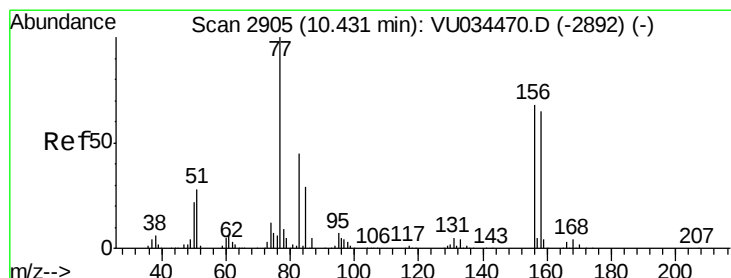
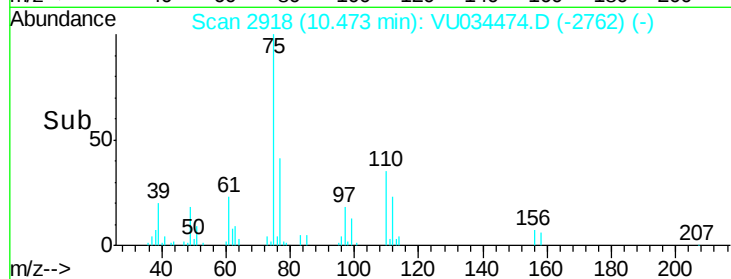
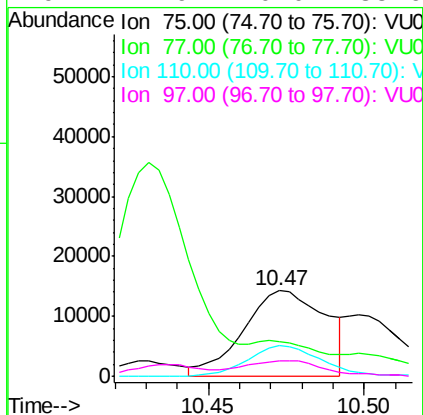
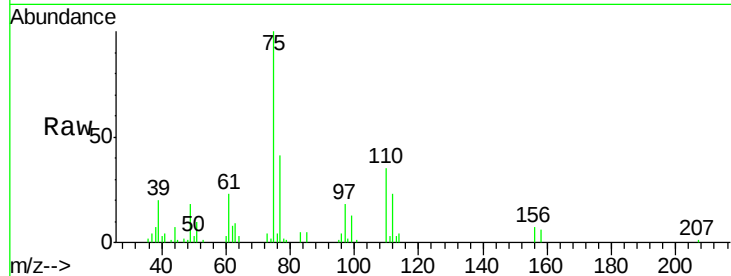
#71
1,2,3-Trichloropropane
Concen: 2.169 ug/l m
RT: 10.47 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion	75	Resp:	26148
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	32.2	0.0	66.8
97	17.9	0.0	35.6

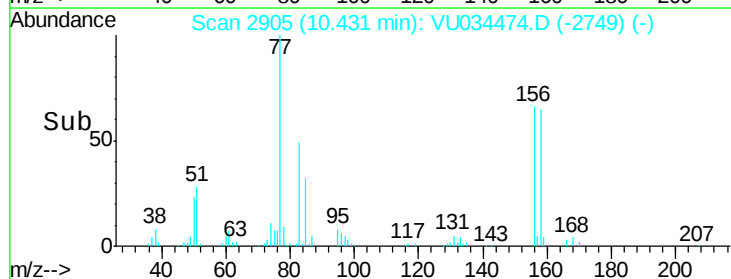
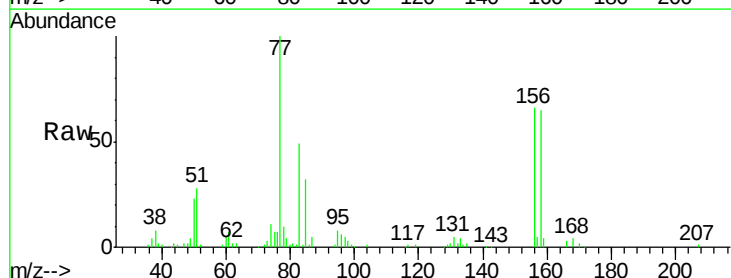
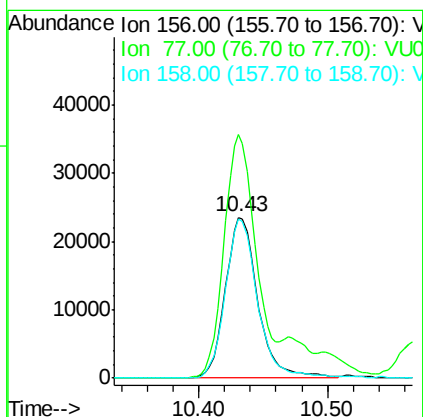
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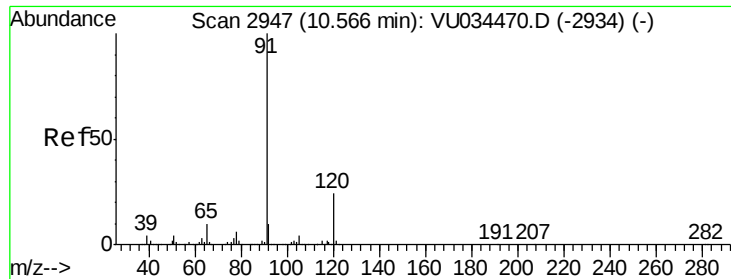
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#72
Bromobenzene
Concen: 1.902 ug/l
RT: 10.43 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	156	Resp:	41230
Ion	Ratio	Lower	Upper
156	100		
77	146.3	0.0	293.6
158	98.7	0.0	192.6





#73

n-propylbenzene

Concen: 1.859 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion:120 Resp: 43035

Ion Ratio Lower Upper

120 100

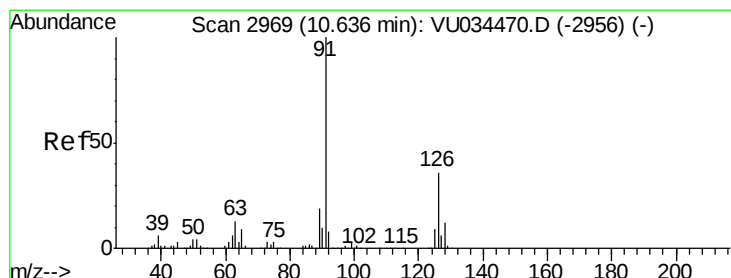
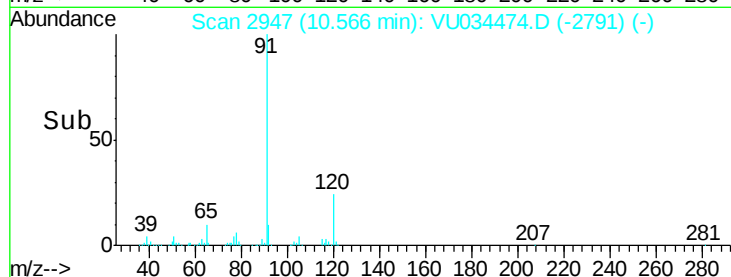
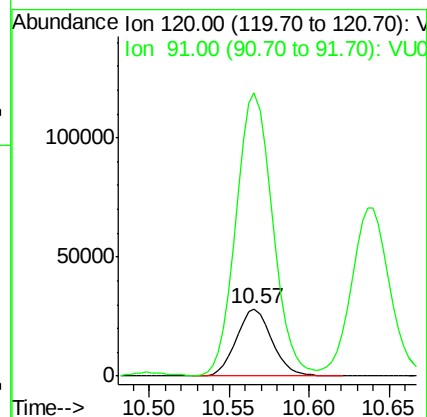
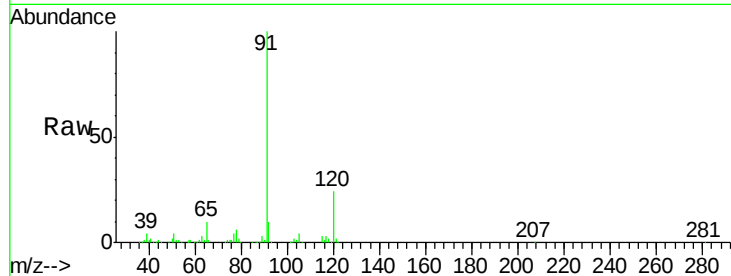
91 429.0 339.1 508.7

Manual Integrations

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#74

2-Chlorotoluene

Concen: 1.943 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. 0.00 min

Lab File: VU034474.D

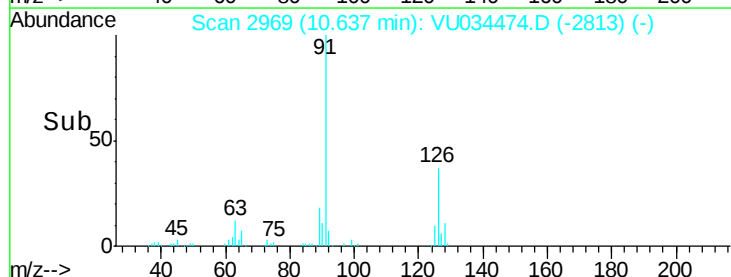
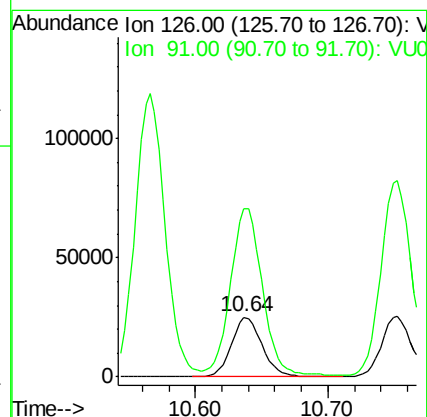
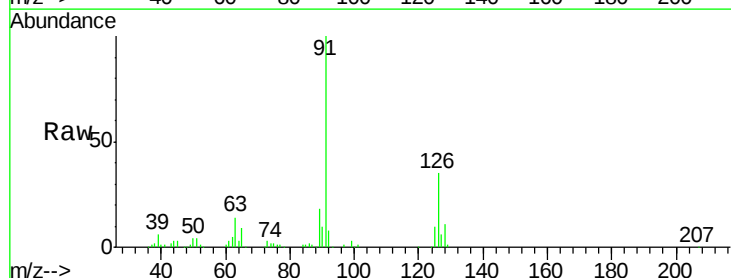
Acq: 11 Sep 2019 13:56

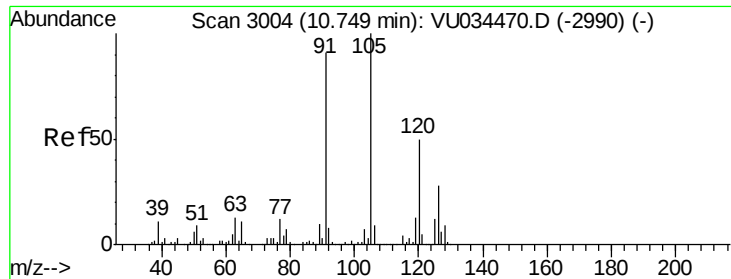
Tgt Ion:126 Resp: 40481

Ion Ratio Lower Upper

126 100

91 291.4 0.0 582.4





#75

1,3,5-Trimethylbenzene

Concen: 1.869 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion:105 Resp: 134137

Ion Ratio Lower Upper

105 100

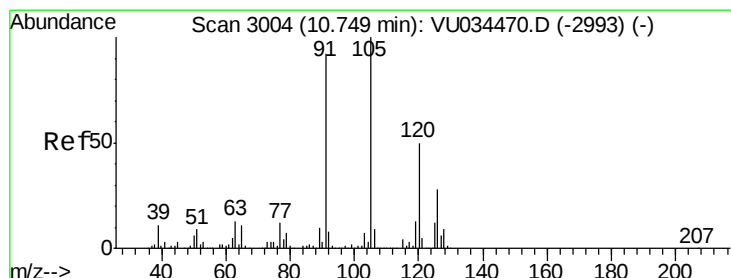
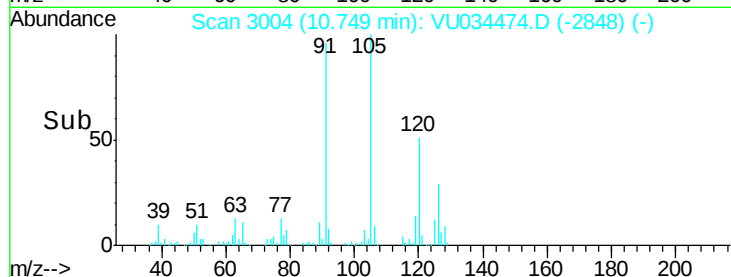
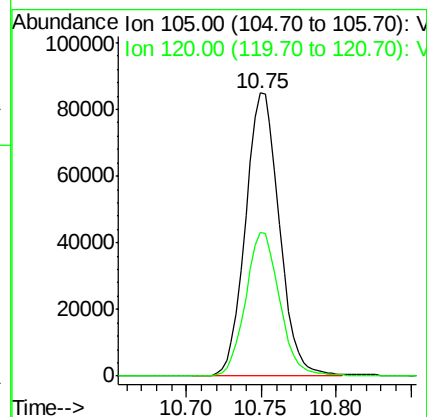
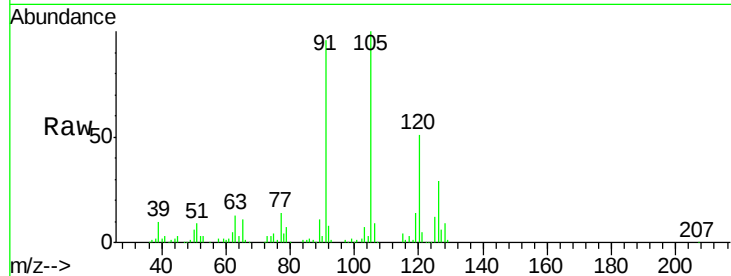
120 51.1 39.8 59.8

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#76

4-Chlorotoluene

Concen: 1.896 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034474.D

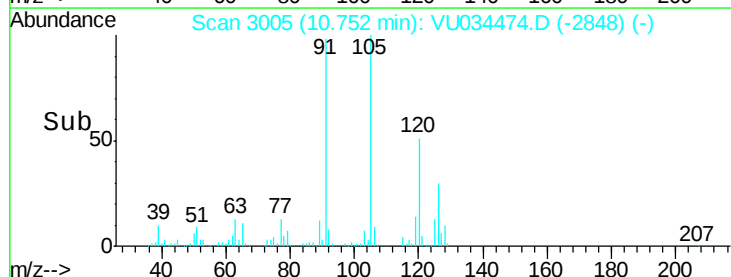
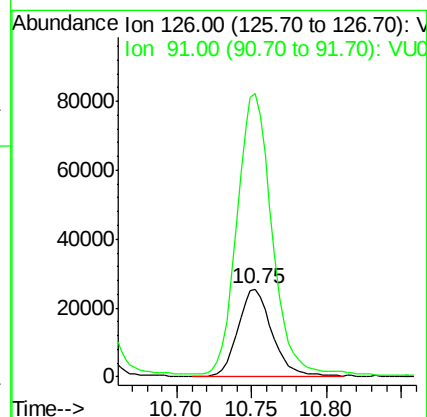
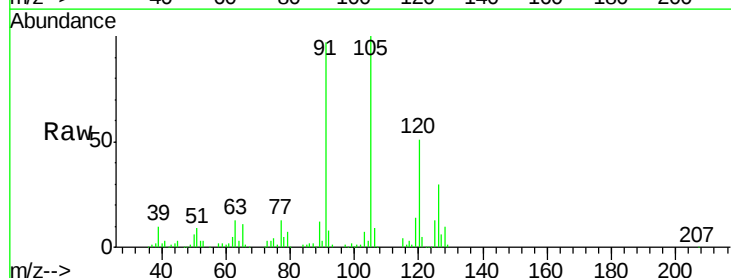
Acq: 11 Sep 2019 13:56

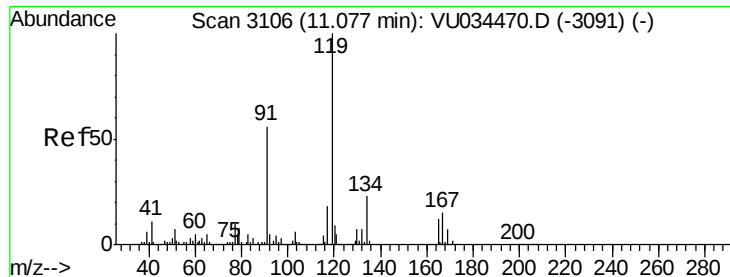
Tgt Ion:126 Resp: 39992

Ion Ratio Lower Upper

126 100

91 334.9 0.0 667.6





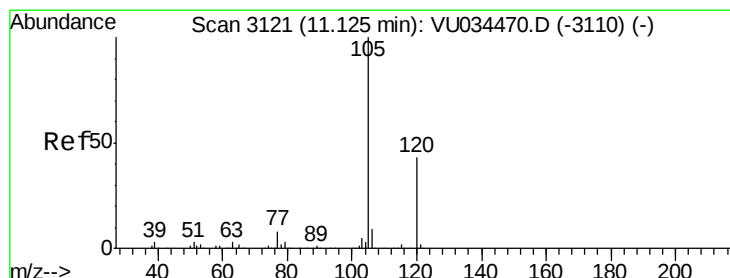
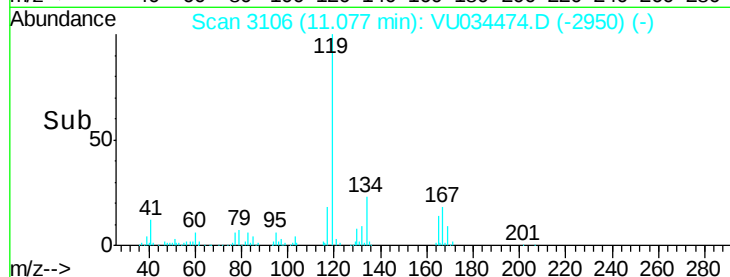
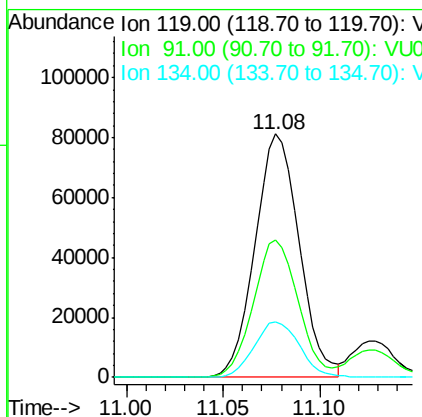
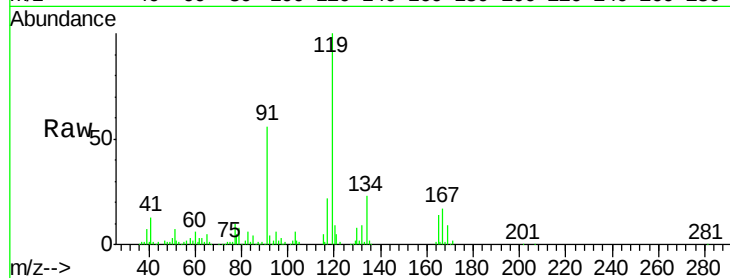
#77
 tert-Butylbenzene
 Concen: 1.856 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	27.8	83.3
134	23.7	18.4	27.6

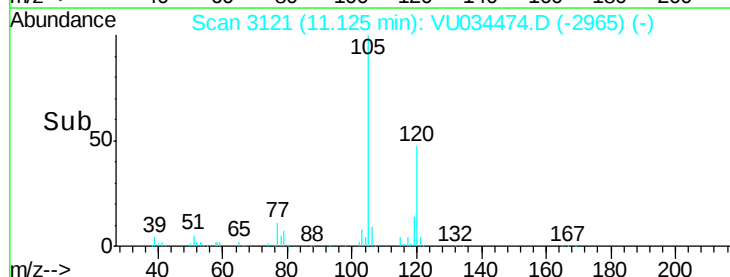
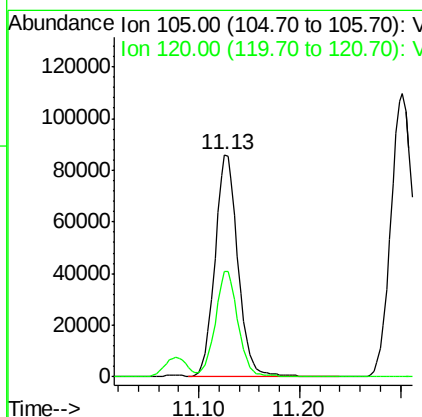
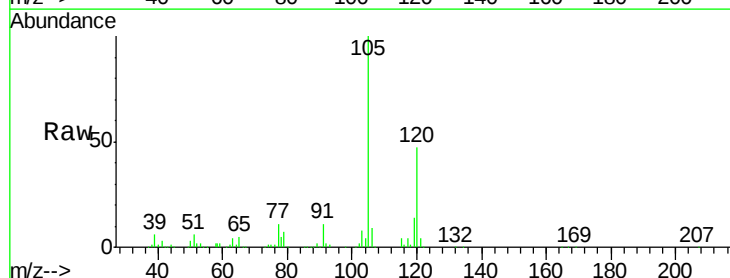
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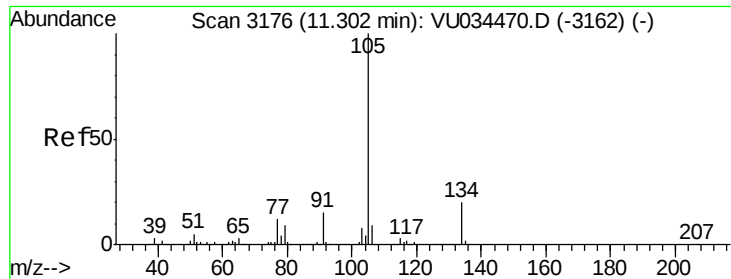
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#78
 1,2,4-Trimethylbenzene
 Concen: 1.865 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.1	69.2





#79

sec-Butylbenzene

Concen: 1.862 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBS01

Tot Ion:105 Resp: 174265

Ion Ratio Lower Upper

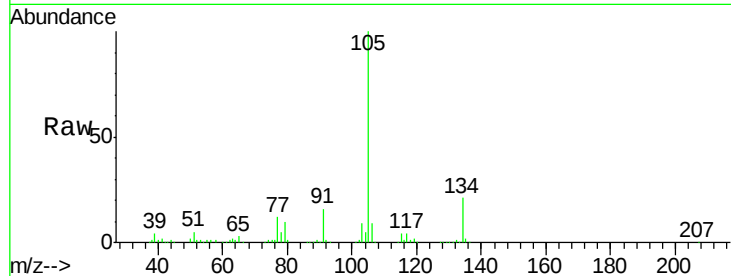
105 100

134 20.7 16.3 24.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.30

120000

100000

80000

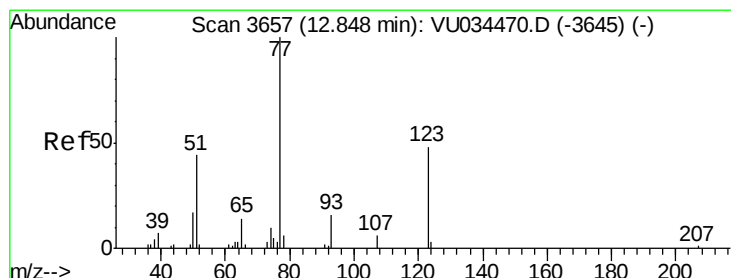
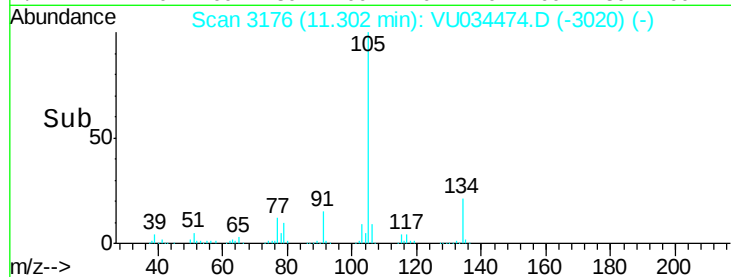
60000

40000

20000

0

Time--> 11.20 11.30 11.40



#80

Nitrobenzene

Concen: 5.356 ug/l m

RT: 12.87 min Scan# 3665

Delta R.T. 0.03 min

Lab File: VU034474.D

Acq: 11 Sep 2019 13:56

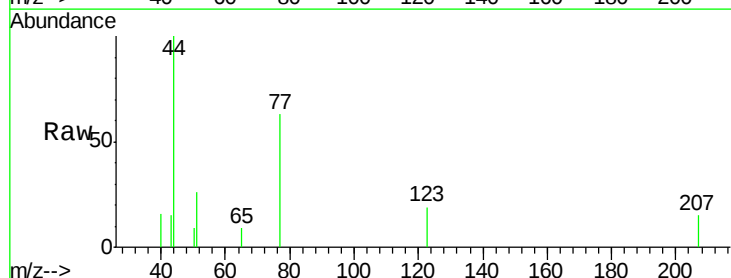
Tgt Ion: 77 Resp: 1937

Ion Ratio Lower Upper

77 100

123 7.9 19.0 67.4#

65 5.7 8.5 10.9#



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

12.87

1000

800

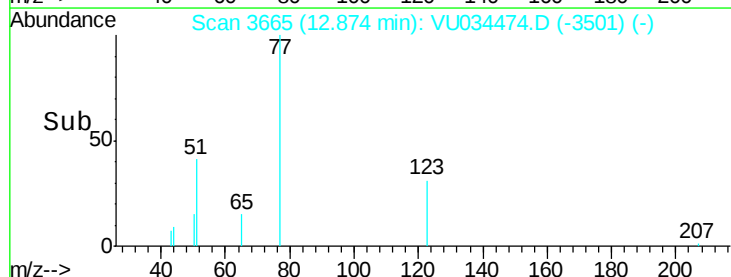
600

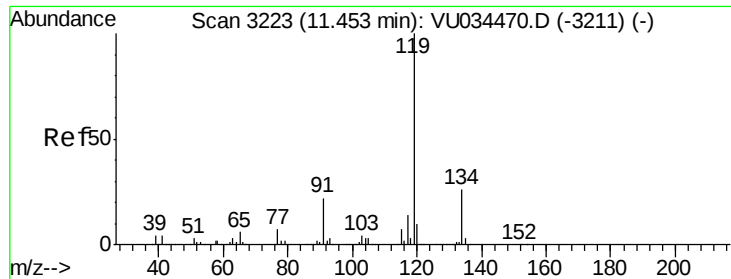
400

200

0

Time--> 12.85 12.90





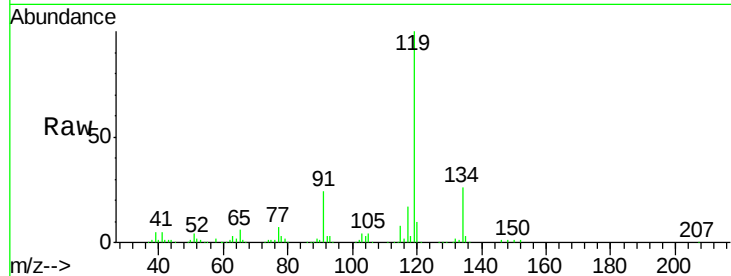
#81
p-Isopropyltoluene
Concen: 1.884 ug/l
RT: 11.45 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

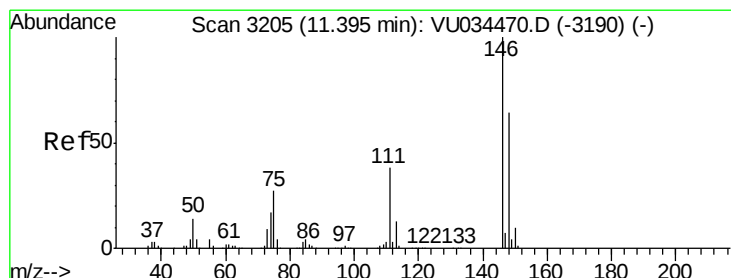
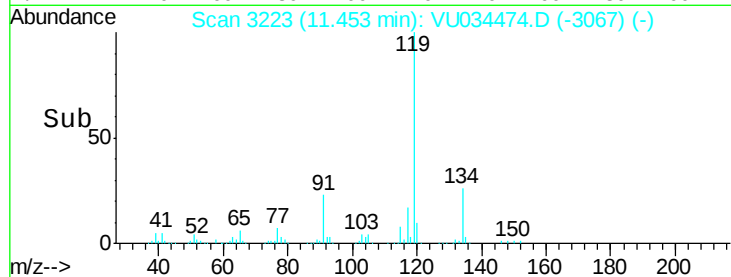
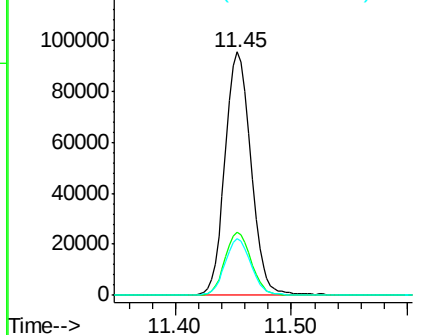
Tot Ion	Ratio	Resp	Lower	Upper
119	100	147159		
134	26.4	21.2	31.8	
91	23.1	17.6	26.4	

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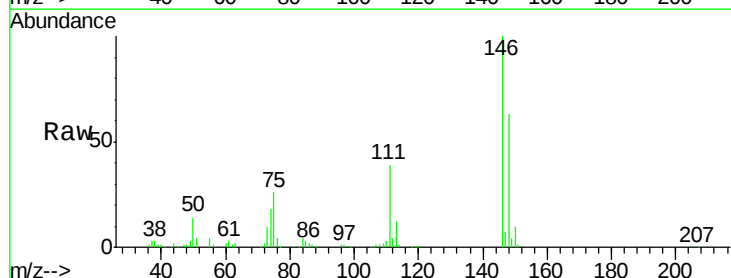


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

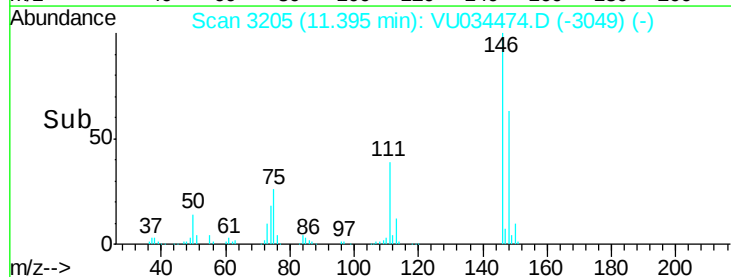
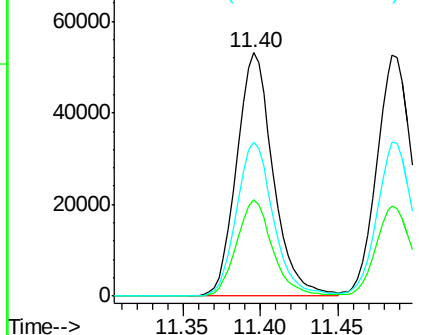


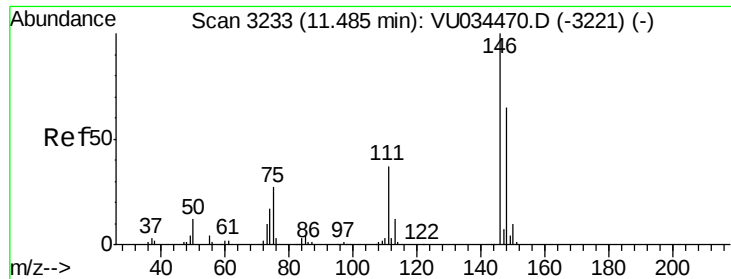
#82
1,3-Dichlorobenzene
Concen: 1.937 ug/l
RT: 11.40 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	87139		
111	39.1	31.0	46.6	
148	64.0	51.5	77.3	



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





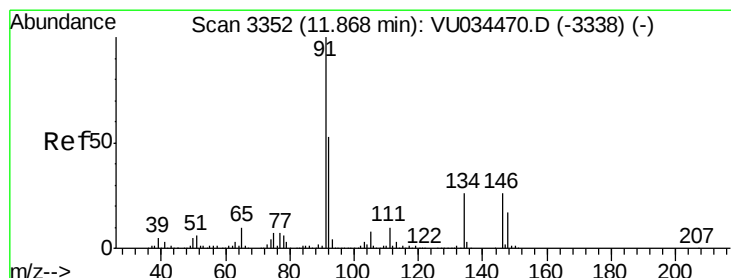
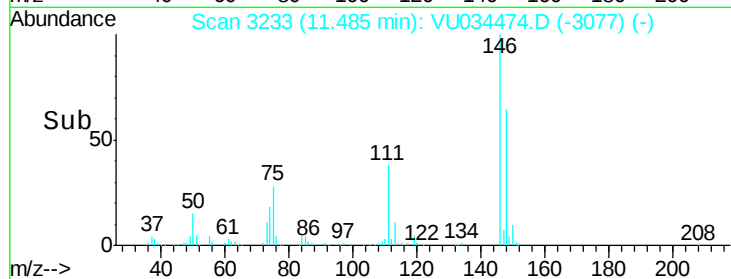
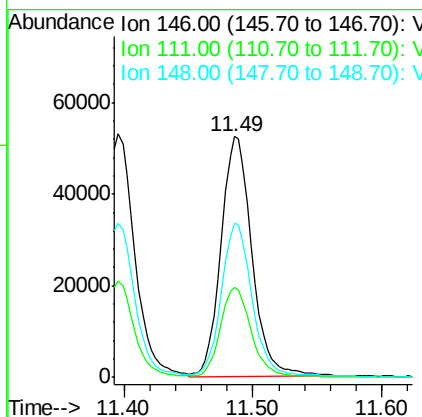
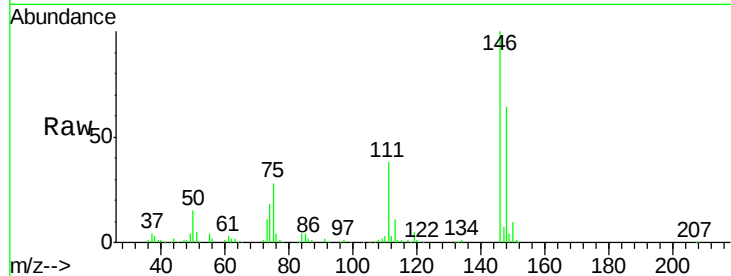
#83
 1,4-Dichlorobenzene
 Concen: 1.945 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampled :
 VU0911WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	29.5	44.3
148	62.0	51.0	76.4

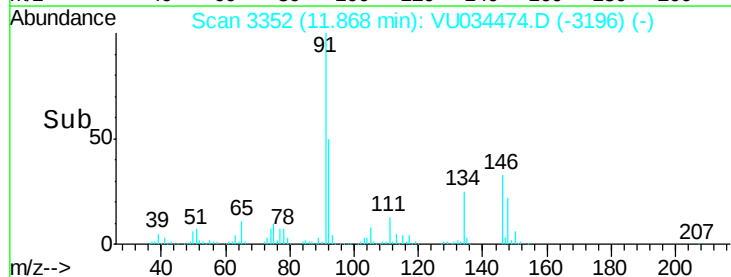
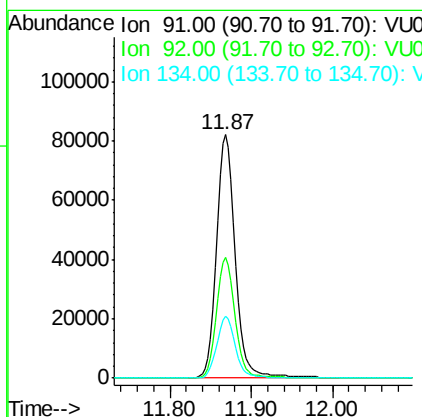
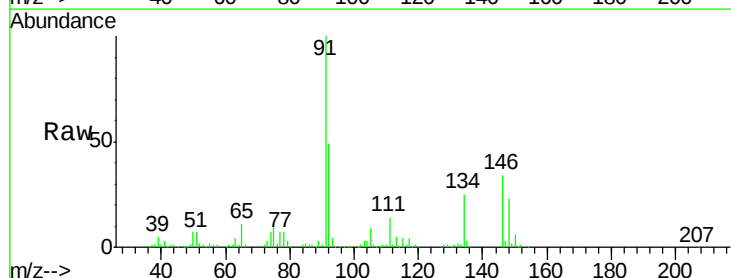
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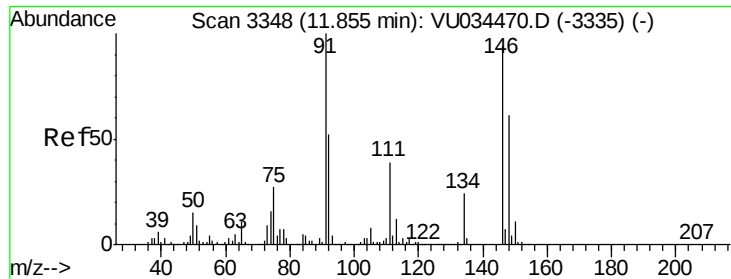
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#84
 n-Butylbenzene
 Concen: 1.871 ug/l
 RT: 11.87 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.4	42.4	63.6
134	25.1	21.0	31.4





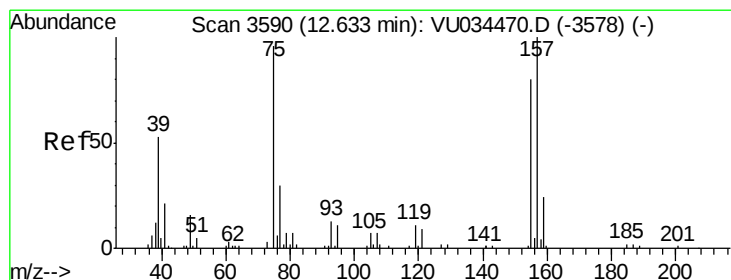
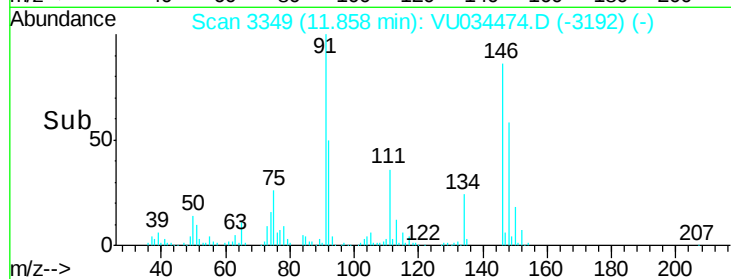
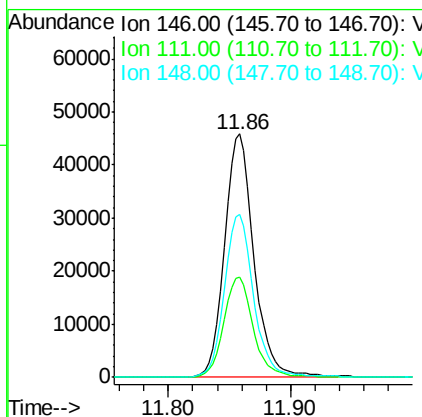
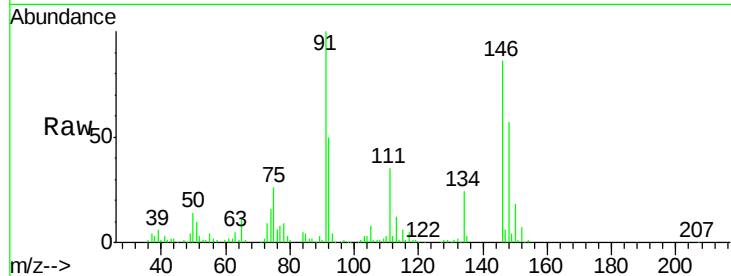
#85
 1,2-Dichlorobenzene
 Concen: 1.900 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	60.8
148	66.6	32.2	96.6

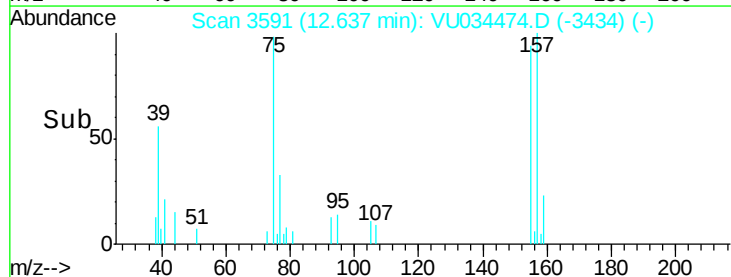
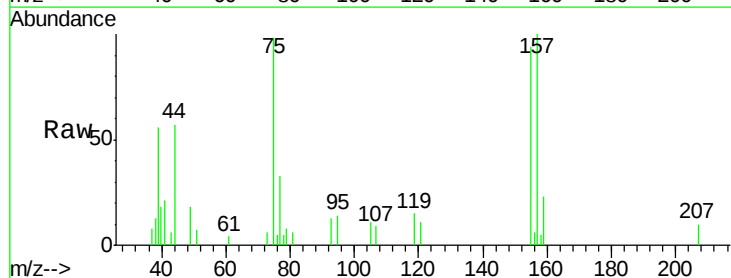
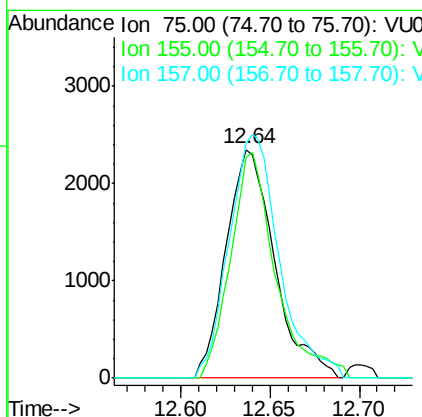
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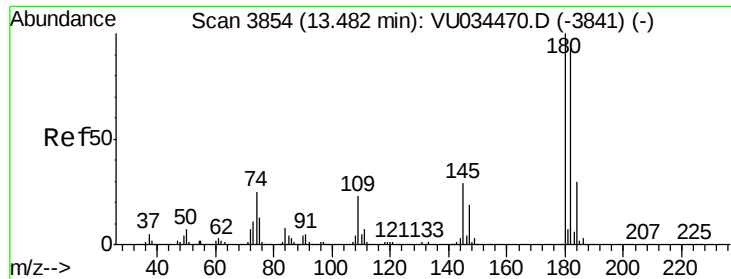
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.986 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	68.9	103.3
157	109.6	89.9	134.9





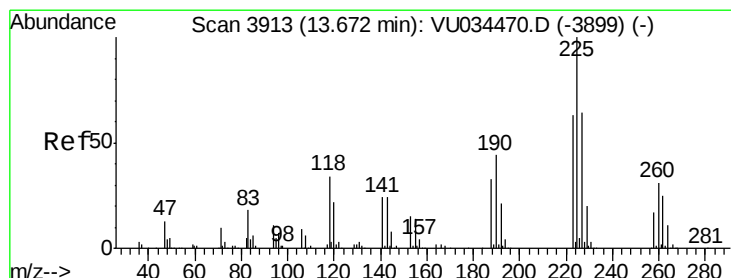
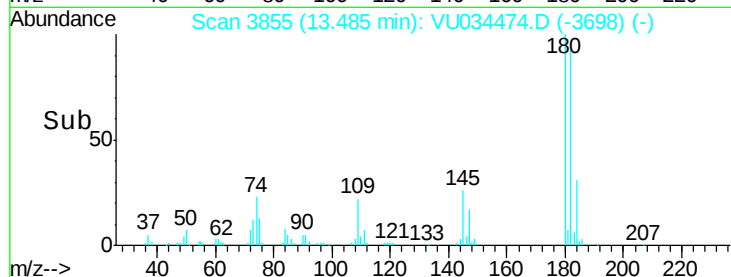
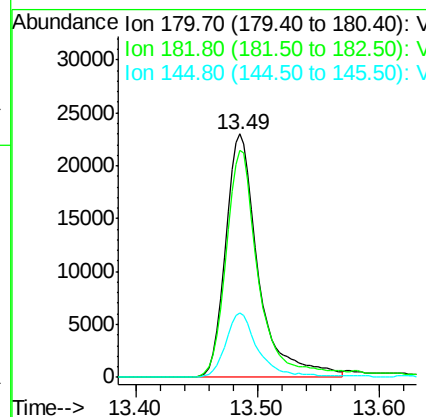
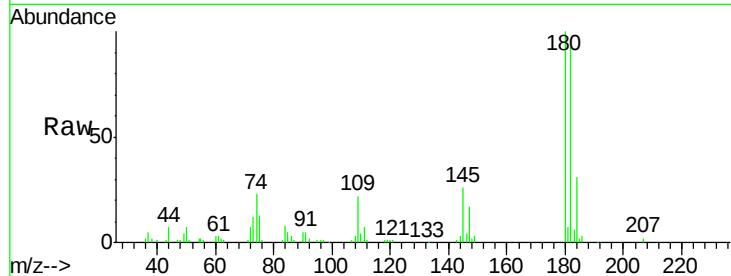
#87
 1,2,4-Trichlorobenzene
 Concen: 1.844 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	76.6	114.8
145	26.2	23.0	34.6

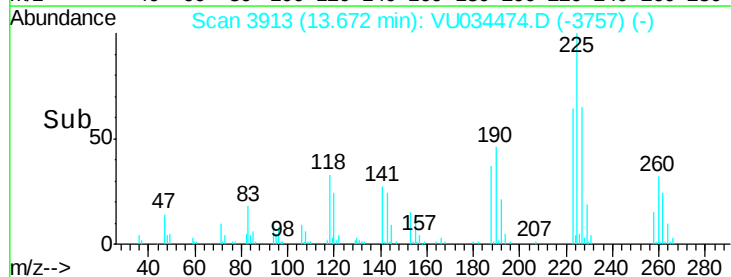
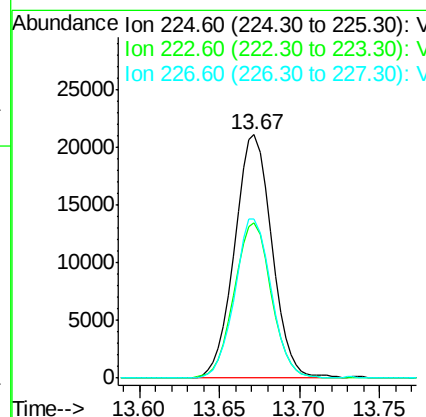
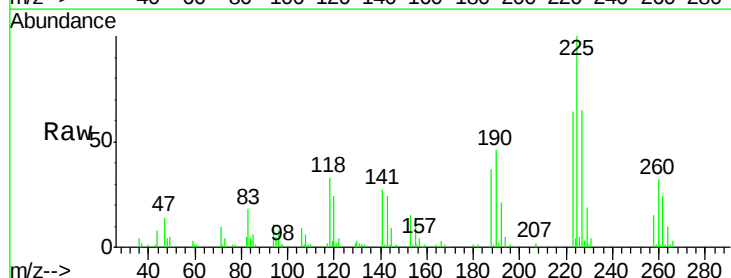
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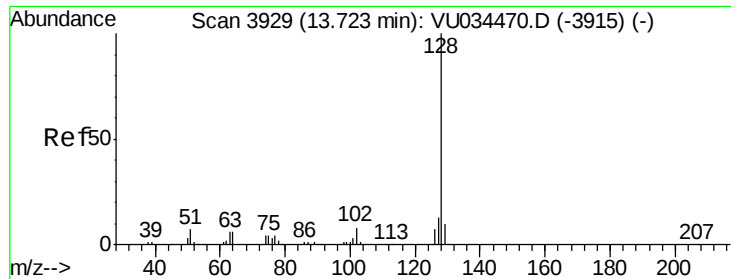
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#88
 Hexachlorobutadiene
 Concen: 1.874 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. 0.00 min
 Lab File: VU034474.D
 Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	63.8	51.1	76.7





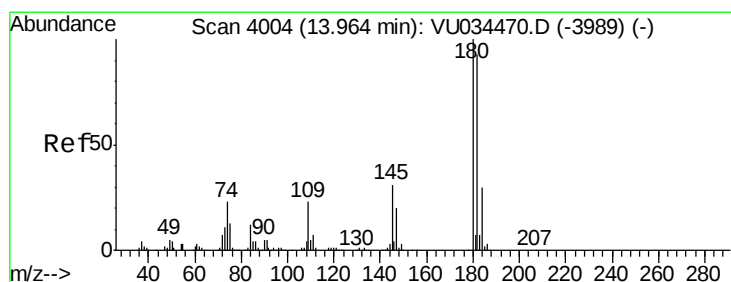
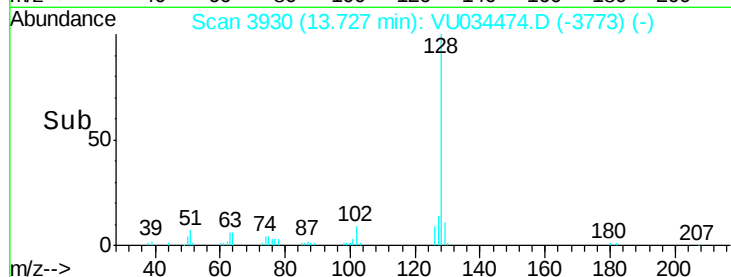
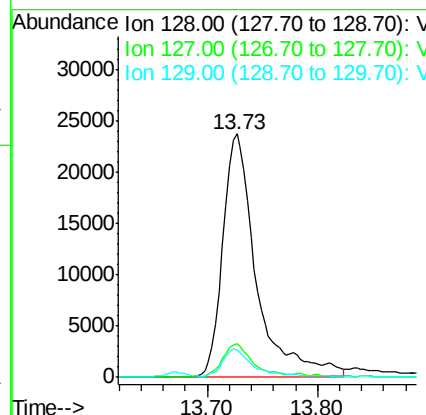
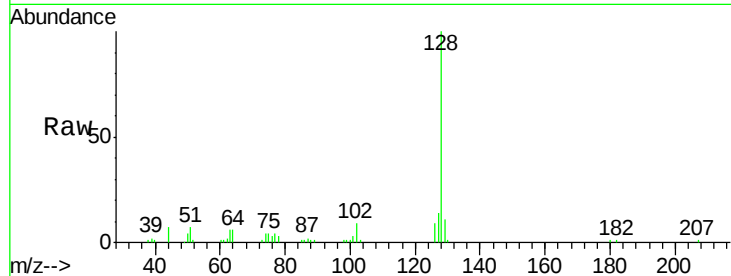
#89
Naphthalene
Concen: 1.903 ug/l m
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.7	8.0	12.0

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#90
1,2,3-Trichlorobenzene
Concen: 1.830 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.01 min
Lab File: VU034474.D
Acq: 11 Sep 2019 13:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	75.4	113.2
145	30.7	24.5	36.7

