

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091119\
 Data File : VU034476.D
 Acq On : 11 Sep 2019 14:50
 Operator : JC/SP
 Sample : VU0911WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 4:53:49 PM

Quant Time: Sep 12 04:08:49 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	62047	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	23387	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	26108	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	43944	1.935	ug/l	98
3) Chloromethane	1.33	50	50713	2.029	ug/l	99
4) Vinyl Chloride	1.40	62	48028	1.956	ug/l	99
5) Bromomethane	1.62	94	27199	1.901	ug/l	99
6) Chloroethane	1.69	64	27222	1.913	ug/l	99
7) Trichlorofluoromethane	1.88	101	58517	1.937	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	32265	1.969	ug/l	98
9) 1,1-Dichloroethene	2.28	96	32893	1.992	ug/l	97
10) Iodomethane	2.40	142	18613	1.398	ug/l	100
11) Allyl Chloride	2.58	41	53374	1.967	ug/l	99
12) Acrylonitrile	2.92	53	13447	3.909	ug/l	96
13) Acetone	2.31	43	25702	8.970	ug/l	99
14) Carbon Disulfide	2.47	76	110089	1.899	ug/l	99
15) Methylene Chloride	2.69	84	37973	1.979	ug/l	94
16) trans-1,2-Dichloroethene	2.96	96	36841	1.994	ug/l	95
17) 1,1-Dichloroethane	3.42	63	69484	1.972	ug/l	100
18) 2-Butanone	4.26	43	37924	9.164	ug/l	98
19) Cyclohexane	4.97	56	52415m	1.898	ug/l	
20) Methylcyclohexane	6.39	83	52871	1.836	ug/l	95
21) 2,2-Dichloropropane	4.20	77	54911	1.891	ug/l	98
22) cis-1,2-Dichloroethene	4.20	96	39152	1.955	ug/l	98
23) Diethyl Ether	2.10	59	24592	1.989	ug/l	98
24) tert-Butyl Alcohol	2.82	59	32203	20.124	ug/l	95
25) Methyl tert-Butyl Ether	2.99	73	80962	2.046	ug/l	99
26) Bromochloromethane	4.53	128	16631	1.964	ug/l	98
27) Chloroform	4.65	83	70629	1.928	ug/l	99
28) 1,1,1-Trichloroethane	4.89	97	56984	1.984	ug/l	99
29) 1,1-Dichloropropene	5.11	75	47745	1.923	ug/l	97
30) Carbon Tetrachloride	5.11	117	49948	1.940	ug/l	99
31) Isopropyl Ether	3.56	45	100683	1.985	ug/l	98
32) Ethyl-t-butyl ether	4.05	59	82461	1.900	ug/l	98
33) Tert-Amyl methyl ether	5.56	73	68893	1.895	ug/l	98
34) Propionitrile	4.32	54	12170	10.358	ug/l #	89
35) Benzene	5.37	78	143145	1.923	ug/l	99
36) 1,2-Dichloroethane	5.39	62	37220	1.947	ug/l	99
37) Trichloroethene	6.17	130	38821	1.864	ug/l	99
38) 1,2-Dichloropropane	6.41	63	38261	1.940	ug/l	97
39) Methacrylonitrile	4.53	41	9678	1.991	ug/l #	94
40) Methyl acrylate	4.42	55	13804	1.863	ug/l	97
41) Tetrahydrofuran	4.63	42	9272	3.722	ug/l #	84
42) 1-Chlorobutane	5.04	56	62792	1.861	ug/l	92

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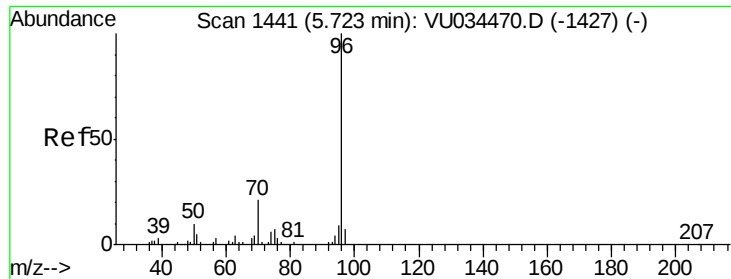
Manual Integrations
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 9/12/2019 4:53:49 PM

Quant Time: Sep 12 04:08:49 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	18020	1.941	ug/l	98
44) Bromodichloromethane	6.74	83	46221	1.938	ug/l	100
45) 4-Methyl-2-Pentanone	7.45	43	94012	9.988	ug/l	98
46) t-1,4-Dichloro-2-butene	10.50	75	13947m	3.718	ug/l	
47) Methyl methacrylate	6.61	69	27807	3.755	ug/l	98
48) Ethyl methacrylate	8.00	69	24890	1.871	ug/l	99
49) Toluene	7.62	92	82793	1.906	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	37722	1.921	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	47979	1.941	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	26558	2.060	ug/l	93
53) 1,3-Dichloropropane	8.22	76	42996	1.994	ug/l	100
54) 2-Hexanone	8.35	43	59388	9.413	ug/l	96
55) Dibromochloromethane	8.46	129	30662	1.957	ug/l	100
56) 1,2-Dibromoethane	8.57	107	23272	1.967	ug/l	99
58) Tetrachloroethene	8.21	164	39544	1.998	ug/l	97
59) Chlorobenzene	9.10	112	93708	1.936	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	35748	1.995	ug/l	98
61) Pentachloroethane	11.08	117	28374	1.956	ug/l	97
62) Hexachloroethane	12.12	117	24566	1.907	ug/l	96
63) Ethyl Benzene	9.23	91	141683	1.826	ug/l	100
64) m/p-Xylenes	9.35	106	116831	3.717	ug/l	97
65) o-Xylene	9.76	106	55873	1.866	ug/l	98
66) Styrene	9.77	104	93801	1.871	ug/l	99
67) Bromoform	9.94	173	18823	2.044	ug/l	99
69) Isopropylbenzene	10.14	105	148287	1.900	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.44	83	33967	2.053	ug/l	98
71) 1,2,3-Trichloropropane	10.48	75	24838m	2.110	ug/l	
72) Bromobenzene	10.43	156	41020	1.938	ug/l	98
73) n-propylbenzene	10.57	120	46068	2.037	ug/l	97
74) 2-Chlorotoluene	10.64	126	40622	1.997	ug/l	99
75) 1,3,5-Trimethylbenzene	10.75	105	133396	1.903	ug/l	98
76) 4-Chlorotoluene	10.75	126	40895	1.985	ug/l	97
77) tert-Butylbenzene	11.08	119	129346	1.904	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	131245	1.854	ug/l	97
79) sec-Butylbenzene	11.30	105	176460	1.930	ug/l	98
80) Nitrobenzene	12.87	77	1783m	5.049	ug/l	
81) p-Isopropyltoluene	11.45	119	142956	1.874	ug/l	98
82) 1,3-Dichlorobenzene	11.39	146	86984	1.980	ug/l	99
83) 1,4-Dichlorobenzene	11.48	146	84713	1.941	ug/l	97
84) n-Butylbenzene	11.87	91	129242	1.841	ug/l	98
85) 1,2-Dichlorobenzene	11.86	146	78521	1.973	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	4619	2.091	ug/l	96
87) 1,2,4-Trichlorobenzene	13.48	180	40118	1.746	ug/l	99
88) Hexachlorobutadiene	13.67	225	33877	1.935	ug/l	98
89) Naphthalene	13.73	128	48793	1.891	ug/l	98
90) 1,2,3-Trichlorobenzene	13.97	180	38459	1.818	ug/l	95

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



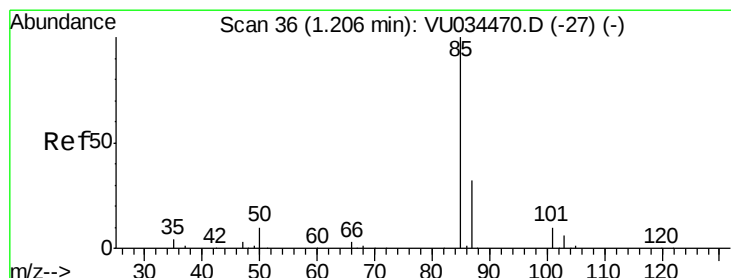
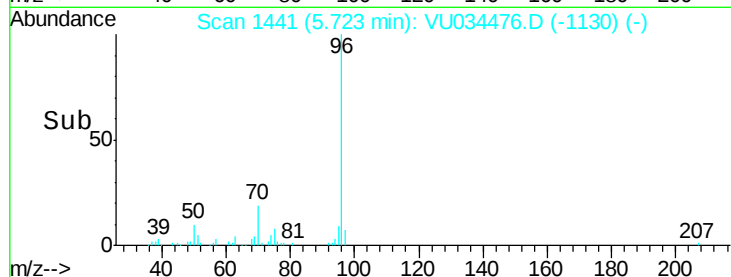
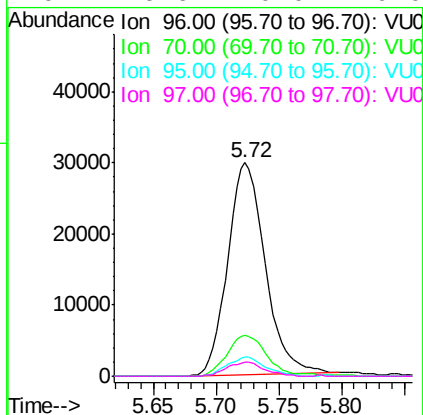
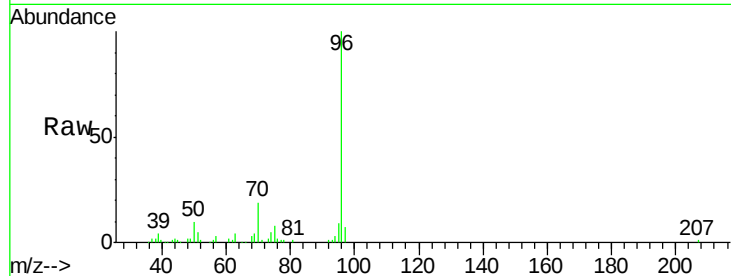
#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.72 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion:	96	Resp:	62047
Ion Ratio	Lower	Upper	
96	100		
70	20.8	16.5	24.7
95	9.0	7.0	10.6
97	6.6	0.0	0.0#

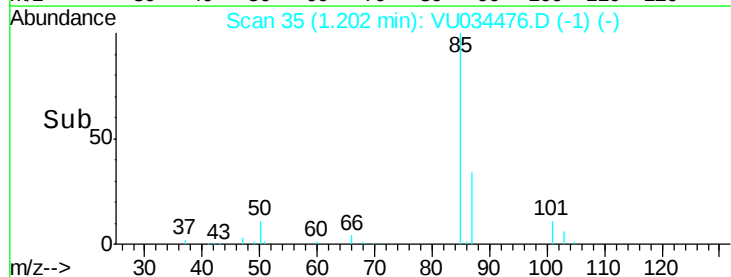
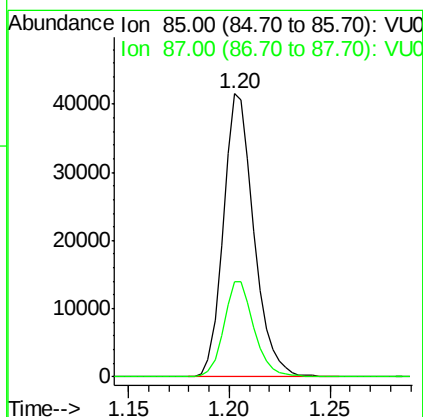
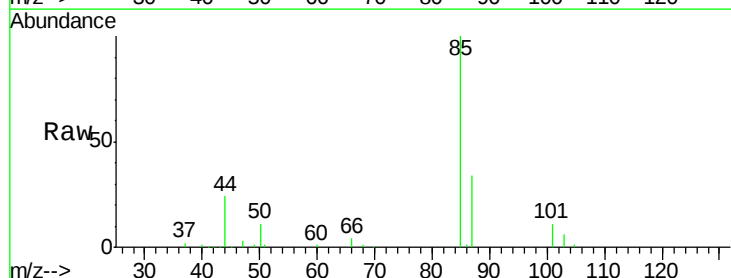
Manual Integrations
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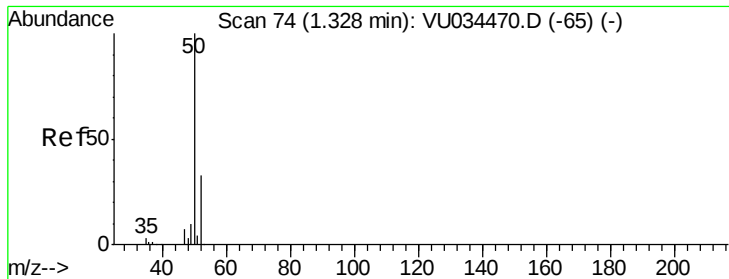
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#2
 Dichlorodifluoromethane
 Concen: 1.935 ug/l
 RT: 1.20 min Scan# 35
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion:	85	Resp:	43944
Ion Ratio	Lower	Upper	
85	100		
87	33.5	16.1	48.3





#3

Chloromethane

Concen: 2.029 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion: 50 Resp: 50713

Ion Ratio Lower Upper

50 100

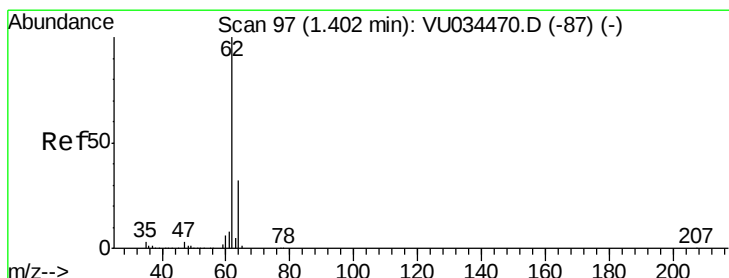
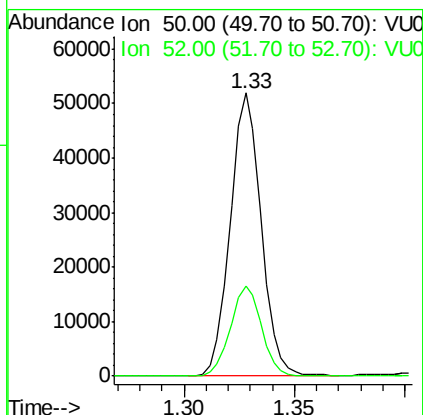
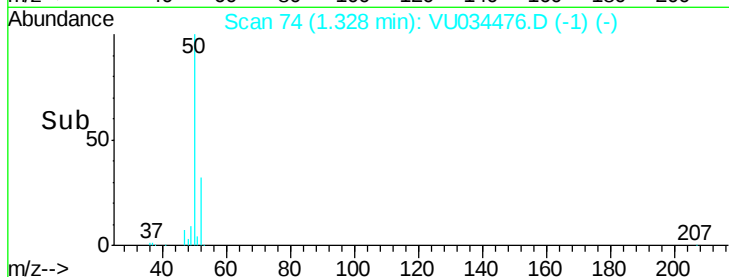
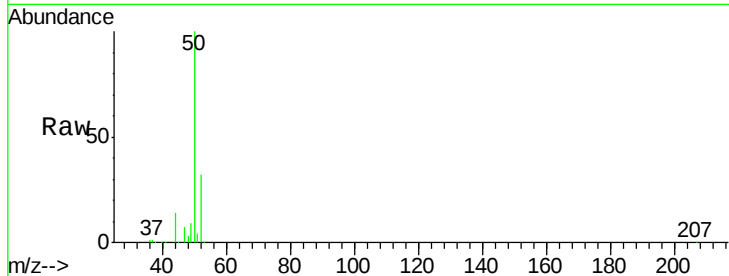
52 32.0 26.2 39.4

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#4

Vinyl Chloride

Concen: 1.956 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU034476.D

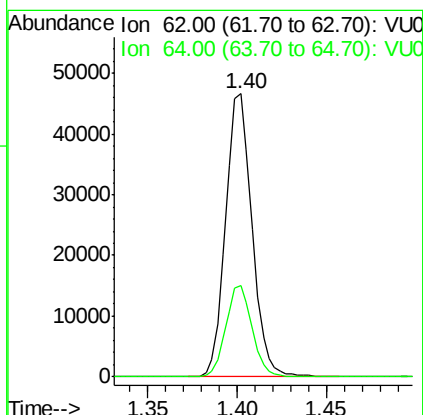
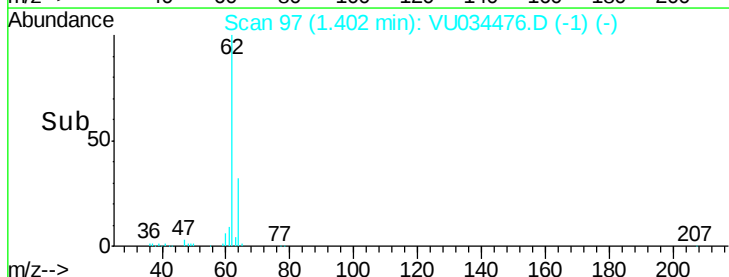
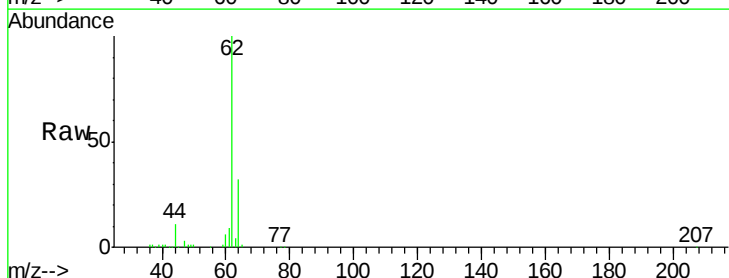
Acq: 11 Sep 2019 14:50

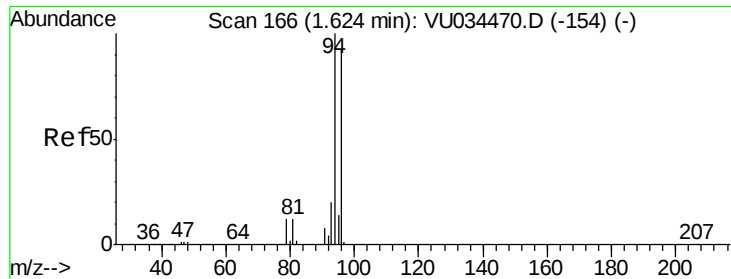
Tgt Ion: 62 Resp: 48028

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0





#5

Bromomethane

Concen: 1.901 ug/l

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion: 94 Resp: 27199

Ion Ratio Lower Upper

94 100

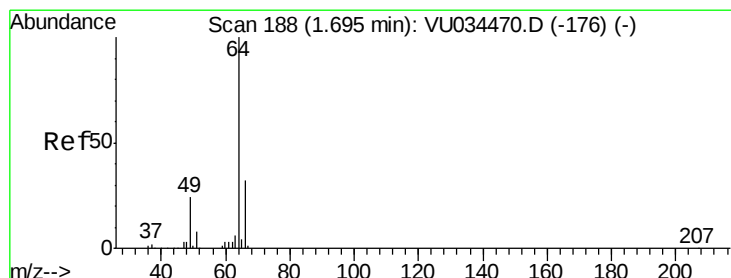
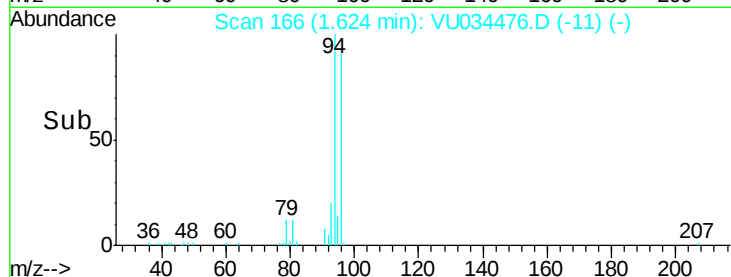
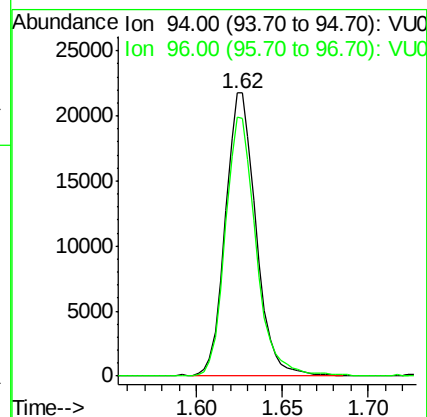
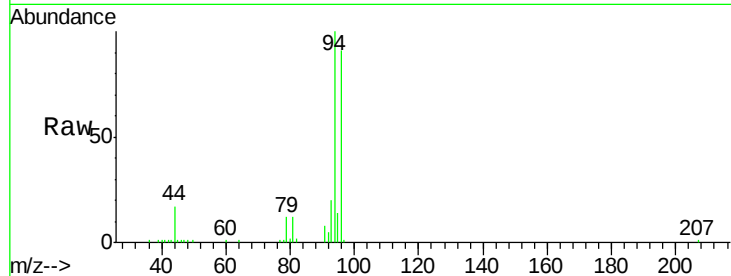
96 91.5 73.8 110.8

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#6

Chloroethane

Concen: 1.913 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU034476.D

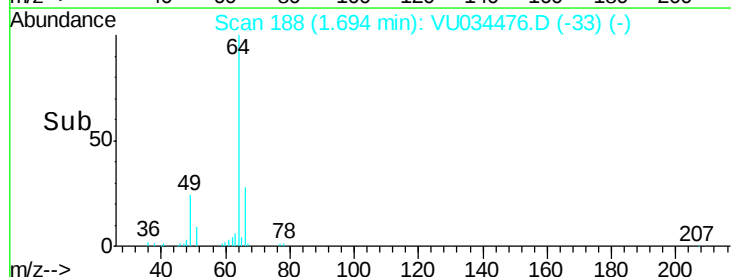
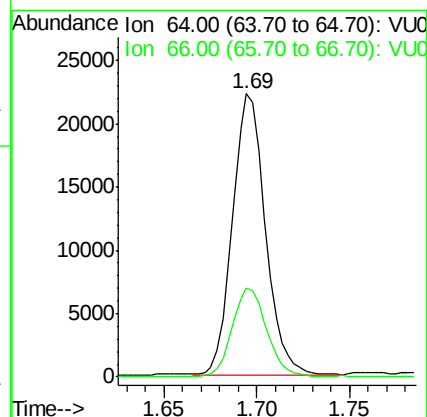
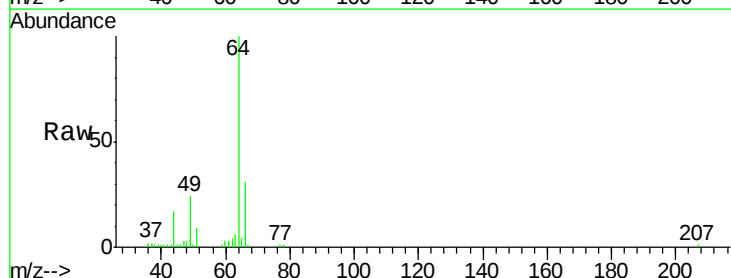
Acq: 11 Sep 2019 14:50

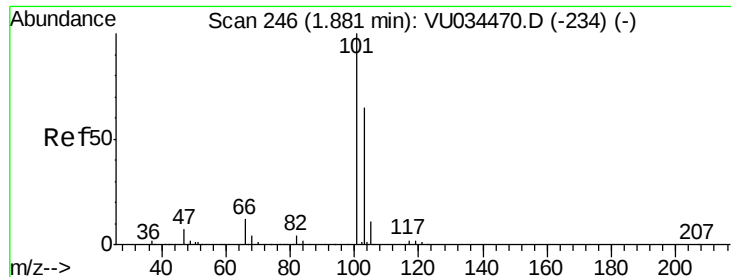
Tgt Ion: 64 Resp: 27222

Ion Ratio Lower Upper

64 100

66 31.6 25.8 38.8





#7

Trichlorofluoromethane

Concen: 1.937 ug/l

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion:101 Resp: 58517

Ion Ratio Lower Upper

101 100

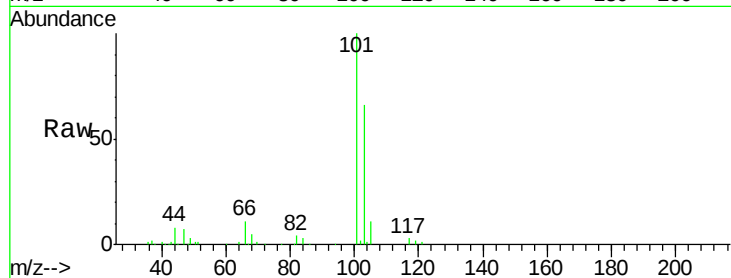
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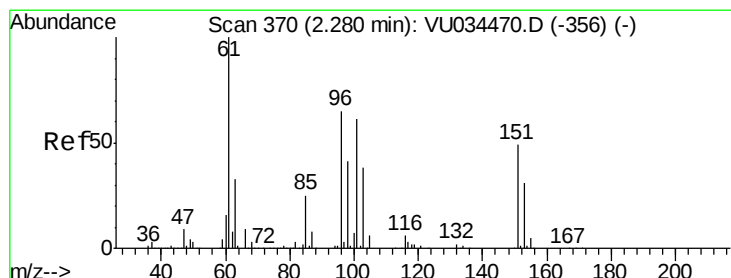
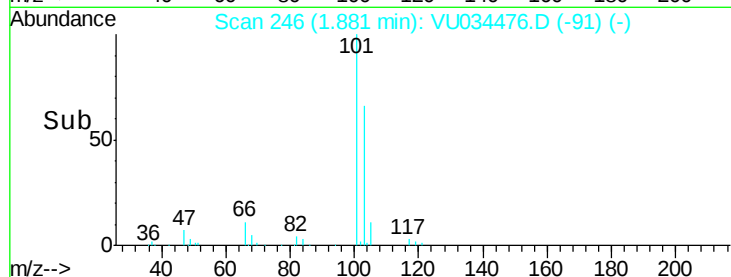
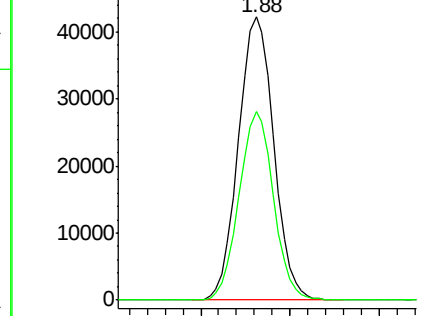
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.969 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

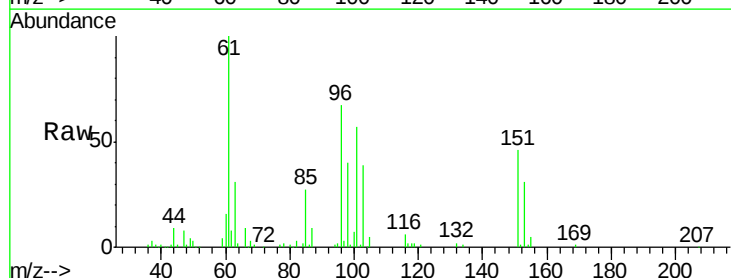
Tgt Ion:101 Resp: 32265

Ion Ratio Lower Upper

101 100

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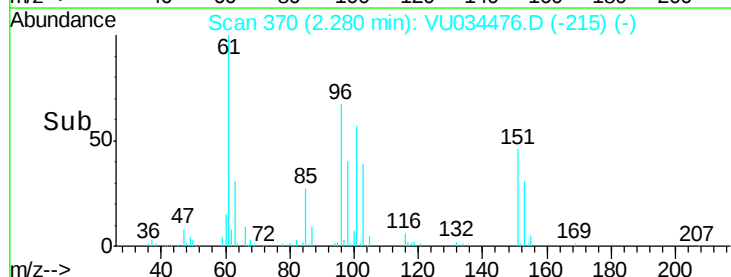
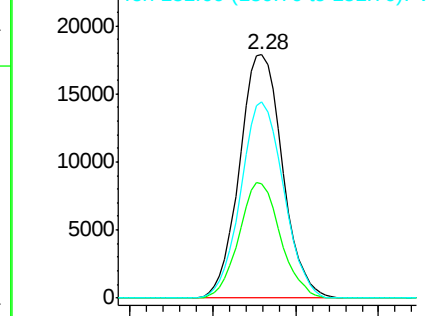
151 80.3 65.2 97.8

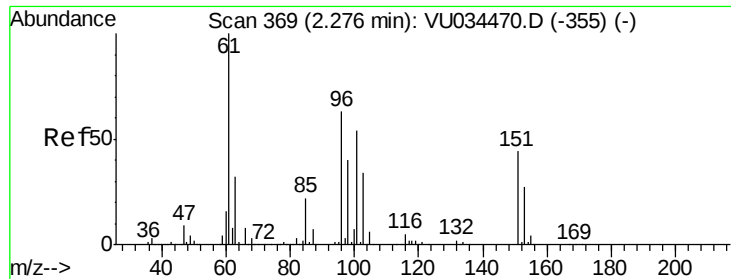


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.992 ug/l

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

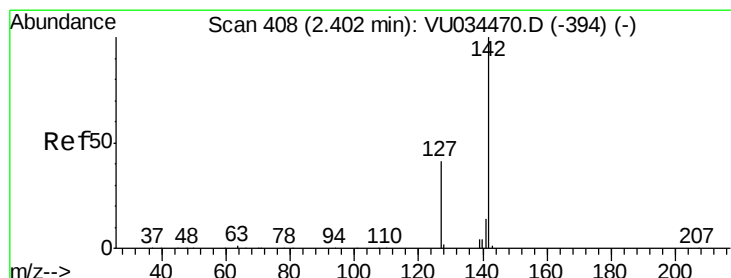
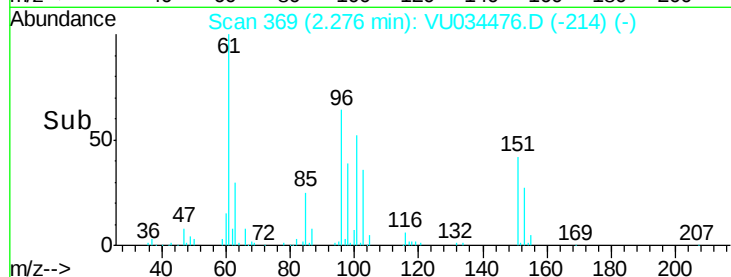
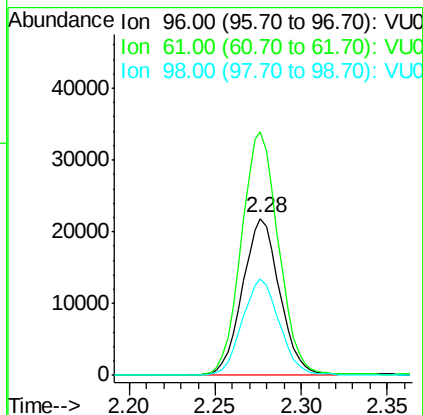
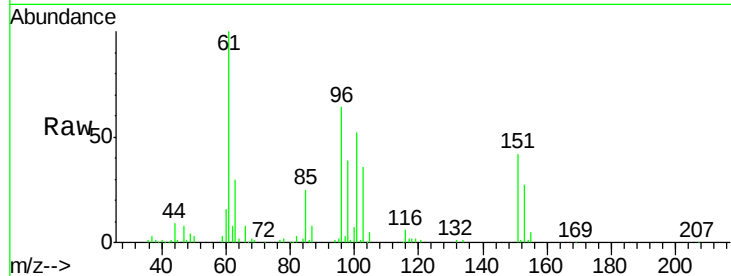
ClientSampleId :

VU0911WBSD01

Tot Ion:	96	Resp:	32893
Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	475.5
98	61.1	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 1.398 ug/l

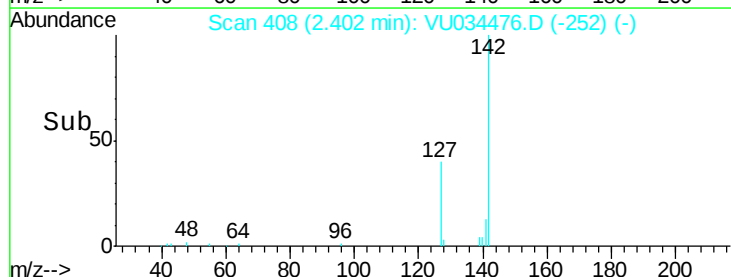
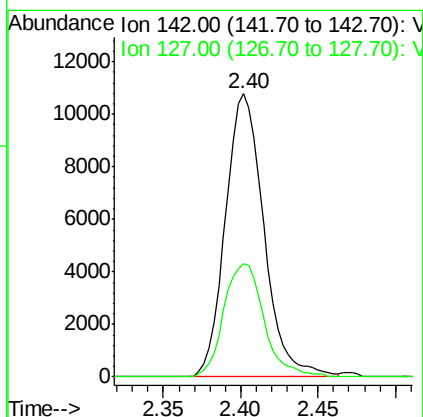
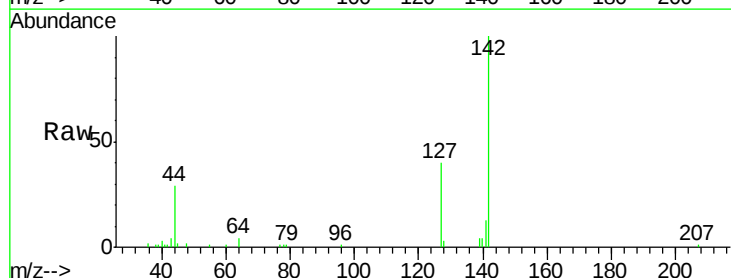
RT: 2.40 min Scan# 408

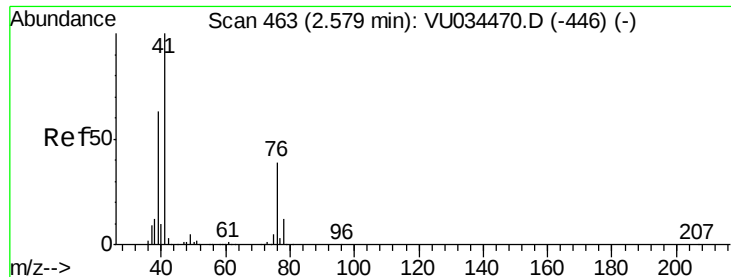
Delta R.T. 0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Tgt Ion:	142	Resp:	18613
Ion	Ratio	Lower	Upper
142	100		
127	41.6	33.0	49.6





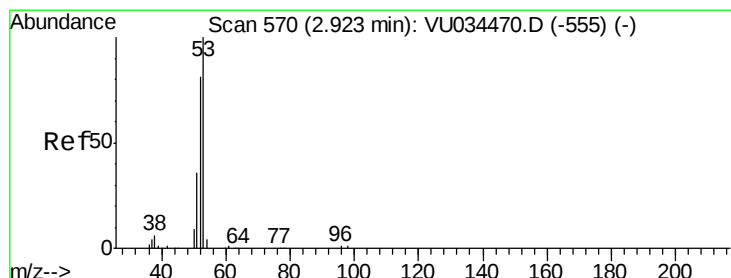
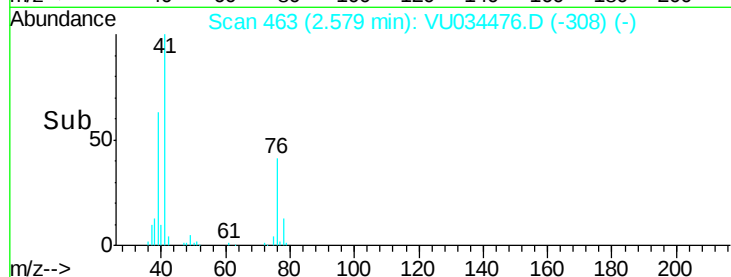
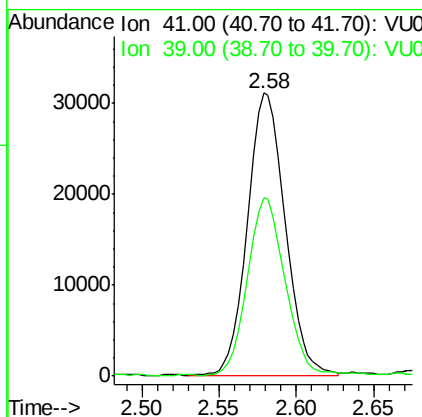
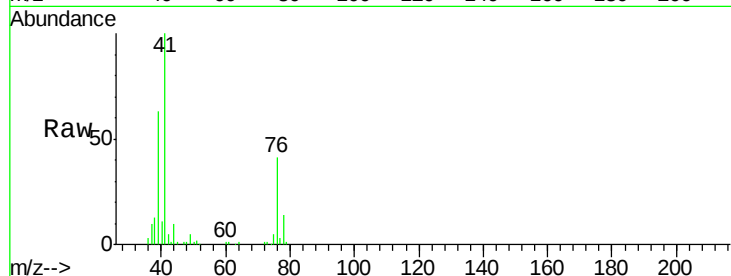
#11
Allvl Chloride
Concen: 1.967 ug/l
RT: 2.58 min Scan# 463
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampled :
VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.7	50.2	75.2

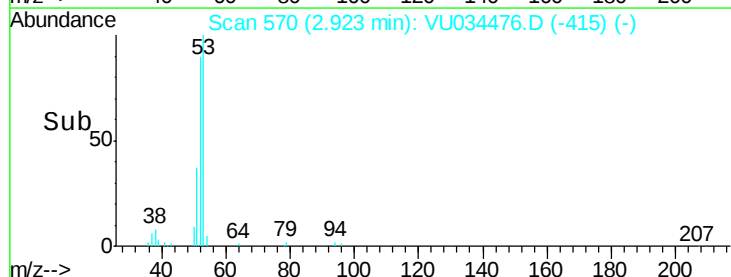
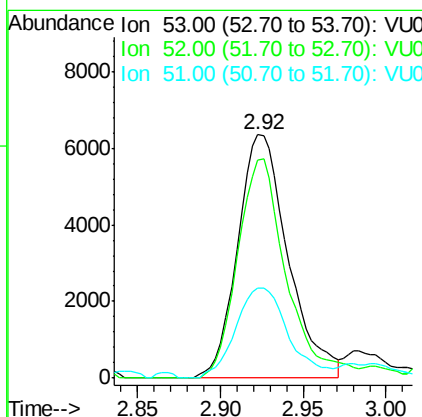
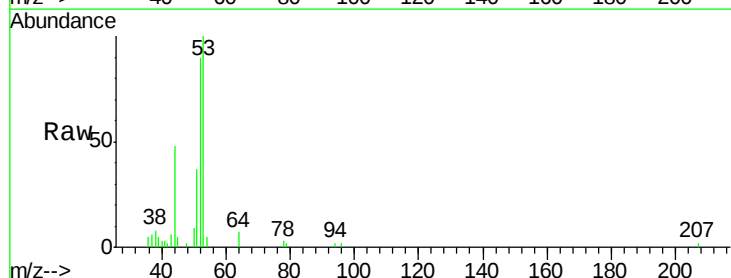
Manual Integrations
APPROVED

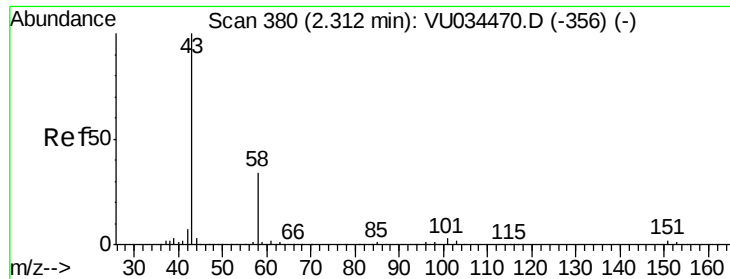
MMDadoda
9/12/2019 4:53:49 PM



#12
Acrylonitrile
Concen: 3.909 ug/l
RT: 2.92 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
53	100		
52	87.0	66.9	100.3
51	38.8	28.4	42.6





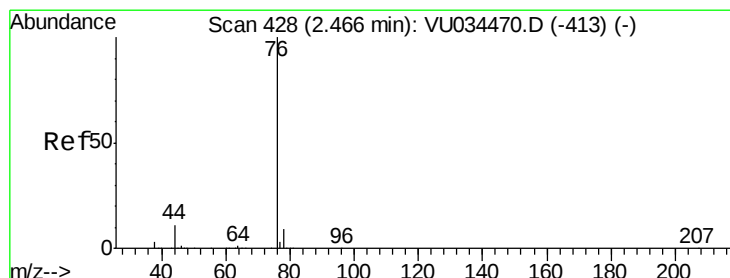
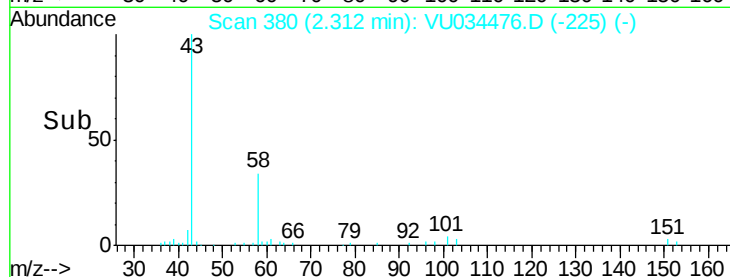
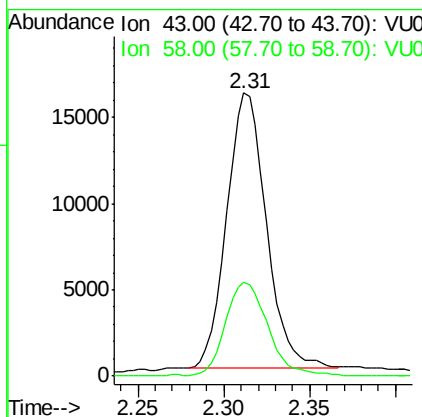
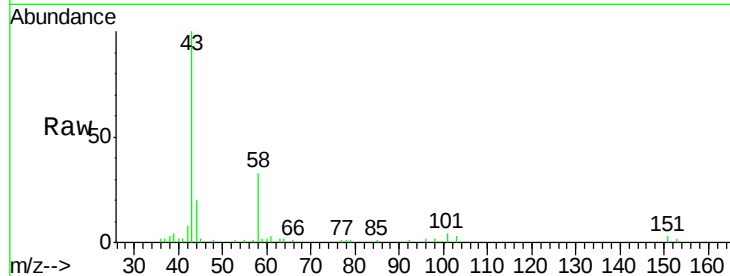
#13
Acetone
Concen: 8.970 ug/l
RT: 2.31 min Scan# 380
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.0	26.9	40.3

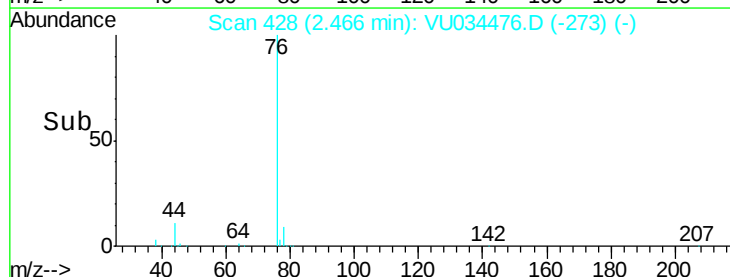
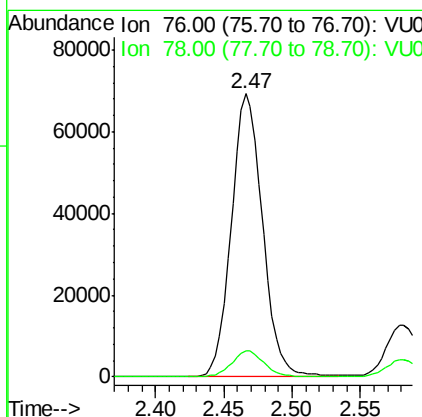
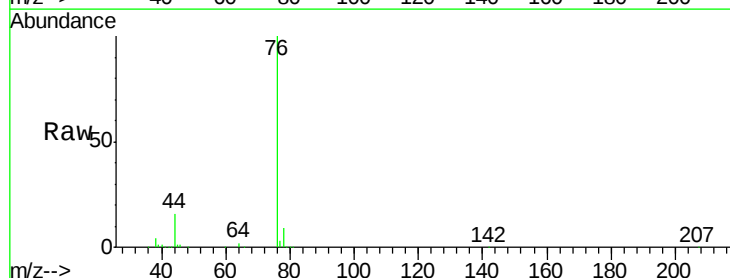
Manual Integrations
APPROVED

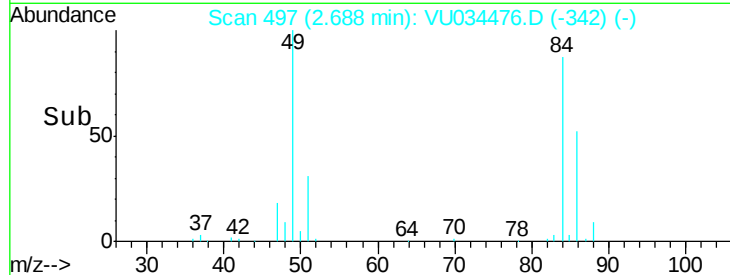
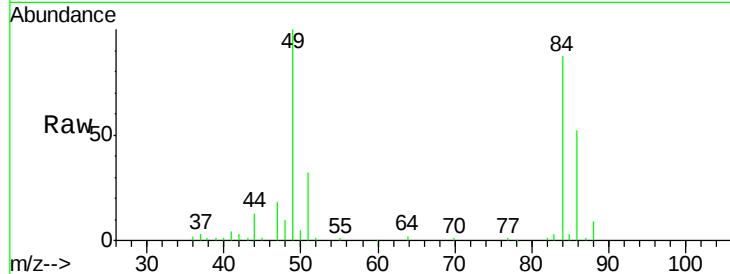
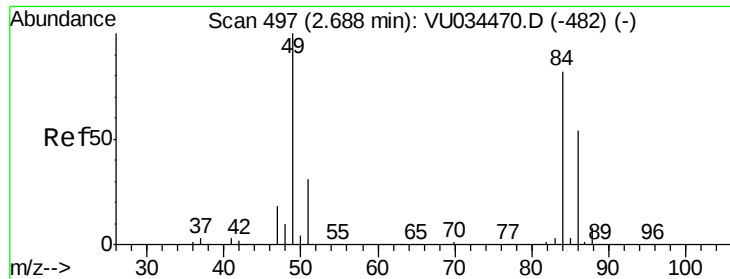
MMDadoda
9/12/2019 4:53:49 PM



#14
Carbon Disulfide
Concen: 1.899 ug/l
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

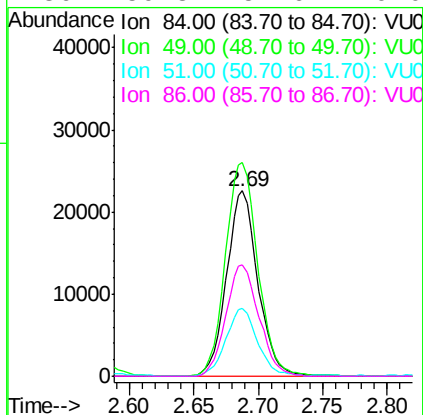
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9





#15
Methvlene Chloride
Concen: 1.979 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

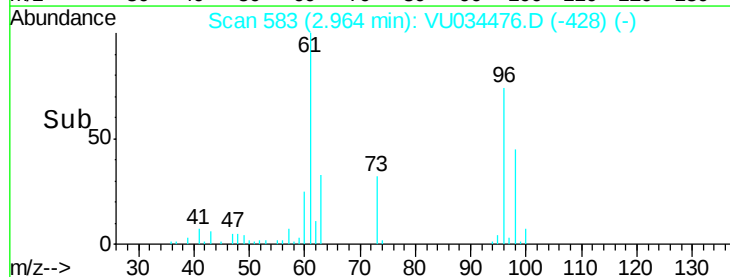
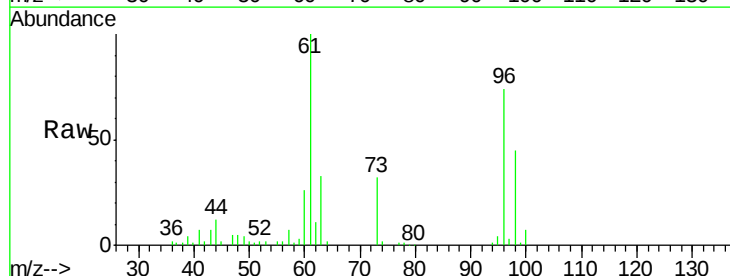
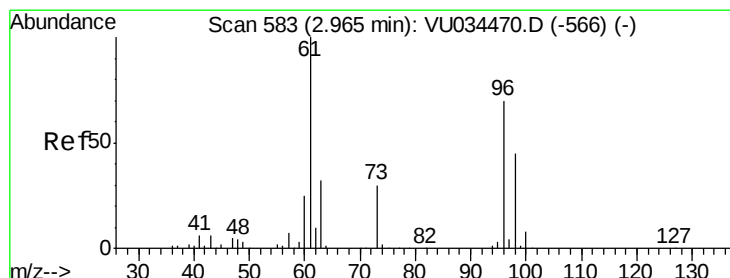
Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	115.1	97.8	146.6		
51	36.5	0.0	76.4		
86	59.8	52.6	79.0		



Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

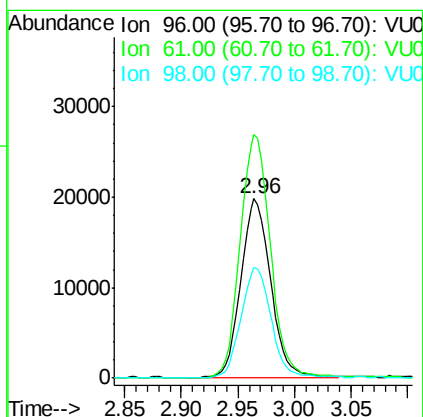
Manual Integrations
APPROVED

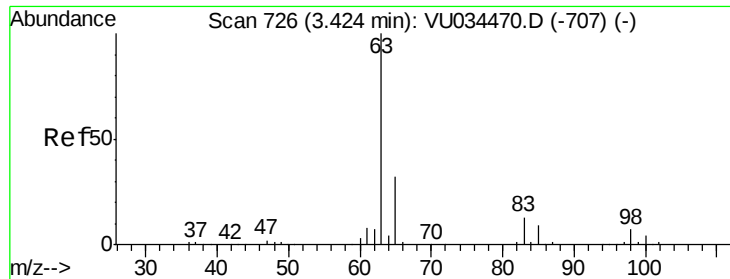
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 1.994 ug/l
RT: 2.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	136.0	114.5	171.7		
98	61.7	51.2	76.8		





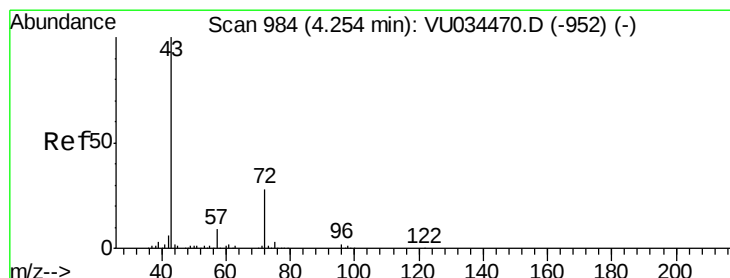
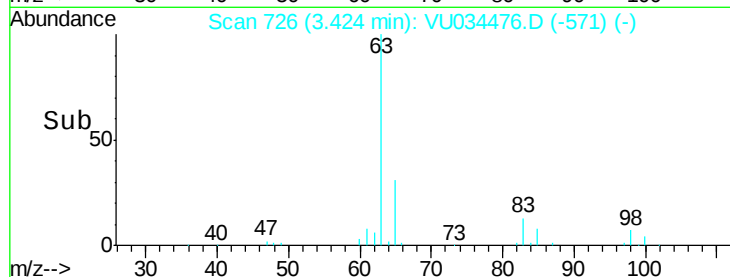
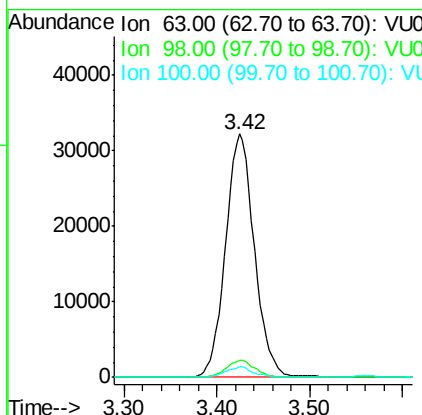
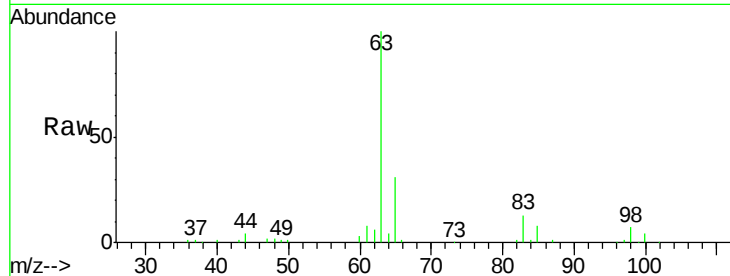
#17
 1,1-Dichloroethane
 Concen: 1.972 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	69484		
98	6.9		3.5	10.4
100	4.5		2.3	6.8

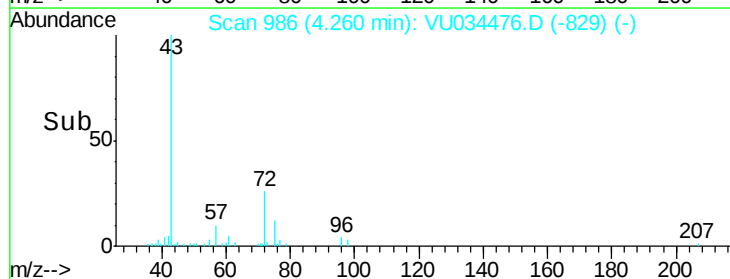
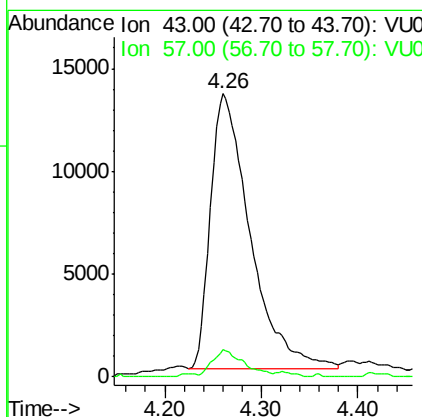
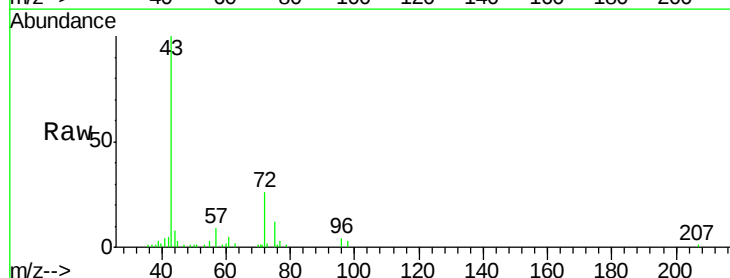
Manual Integrations
 APPROVED

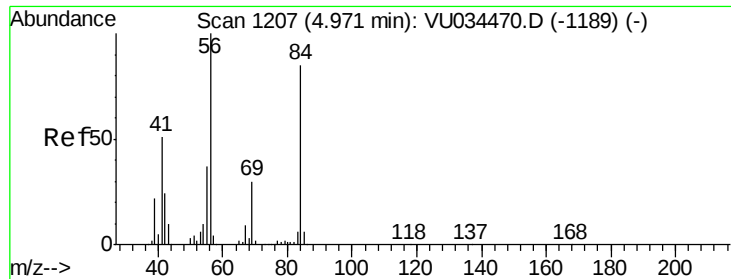
MMDadoda
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#18
 2-Butanone
 Concen: 9.164 ug/l
 RT: 4.26 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	37924		
57	9.8		0.0	17.8





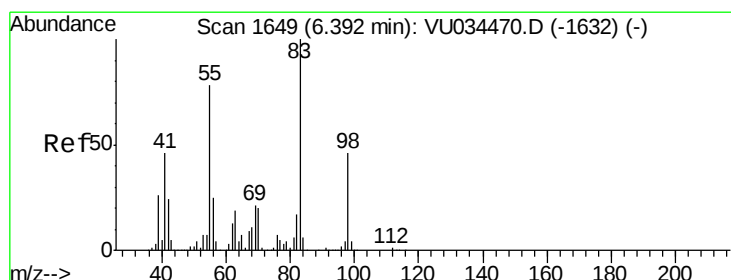
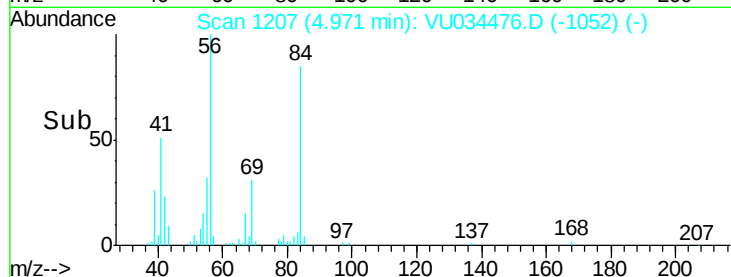
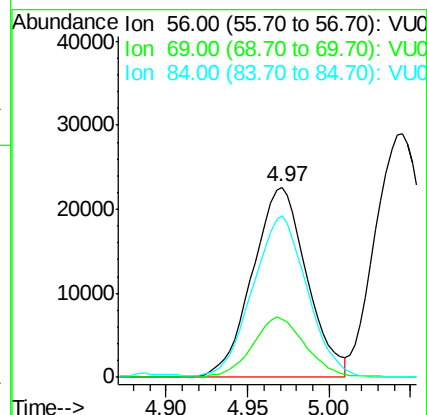
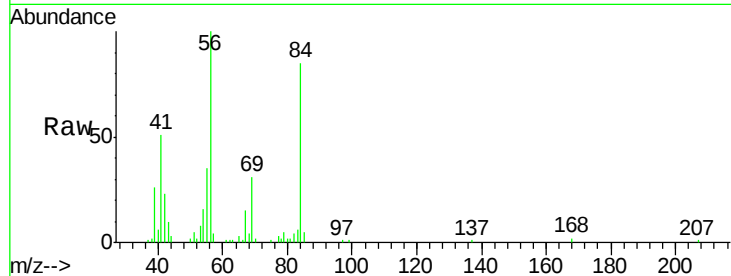
#19
Cyclohexane
Concen: 1.898 ug/l m
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.4	36.6
84	83.8	66.9	100.3

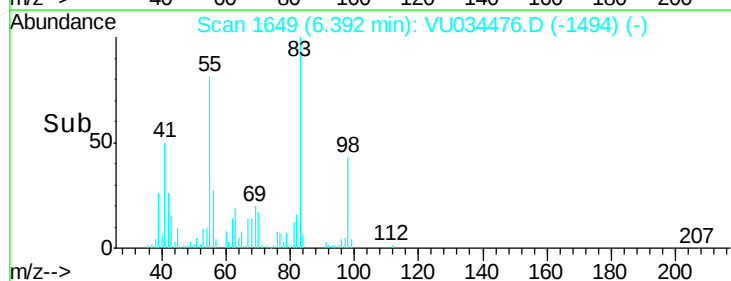
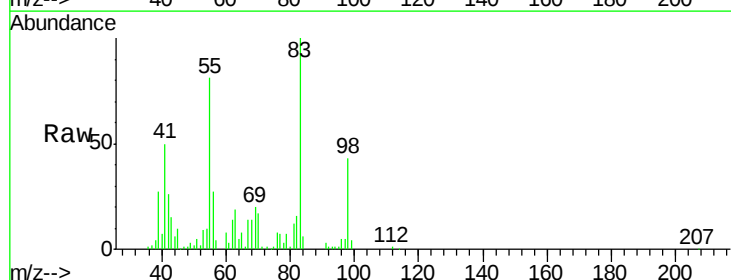
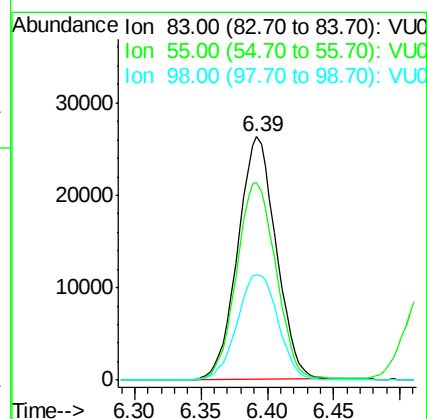
Manual Integrations
APPROVED

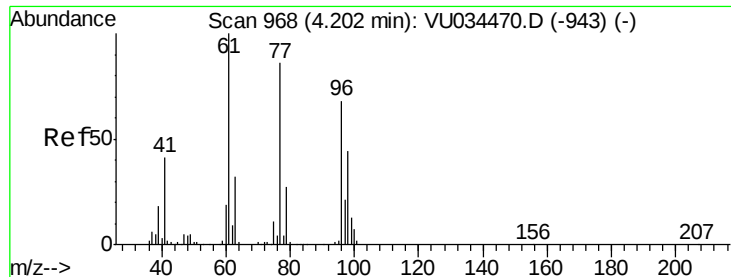
MMDadoda
9/12/2019 4:53:49 PM



#20
Methylcyclohexane
Concen: 1.836 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.4	61.7	92.5
98	46.2	36.0	54.0





#21

2,2-Dichloropropane

Concen: 1.891 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion: 77 Resp: 54911

Ion Ratio Lower Upper

77 100

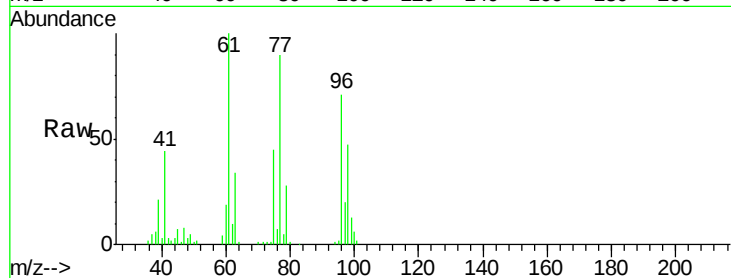
97 22.7 18.9 28.3

Manual Integrations

APPROVED

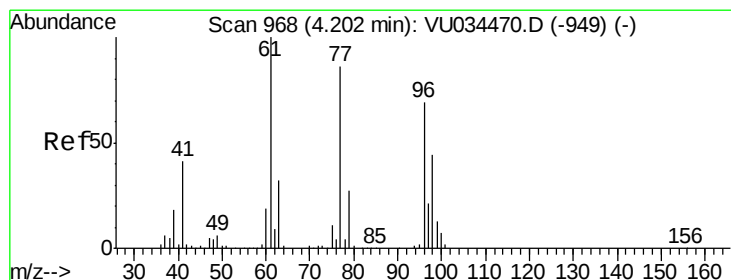
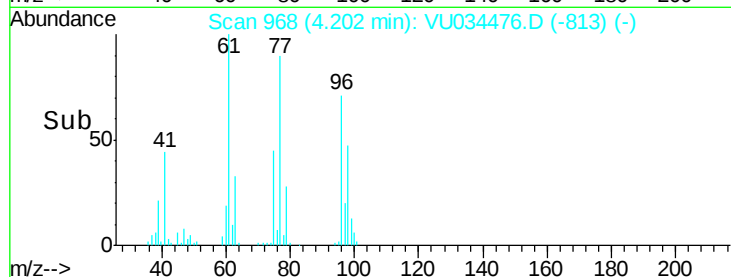
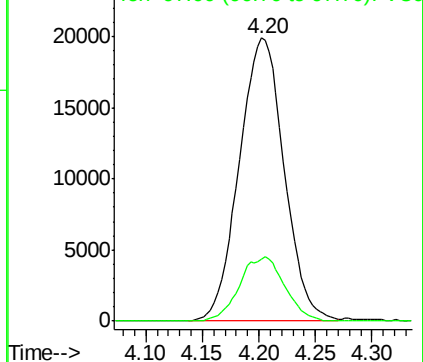
MMDadoda

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.955 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

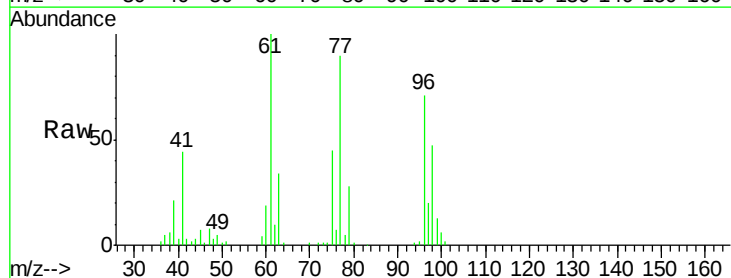
Tgt Ion: 96 Resp: 39152

Ion Ratio Lower Upper

96 100

61 145.2 0.0 369.5

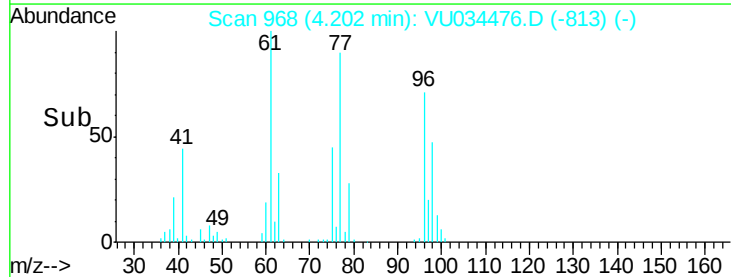
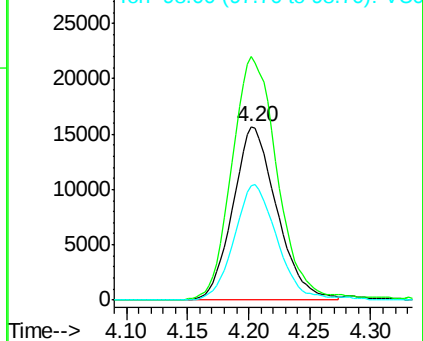
98 65.2 32.4 97.2

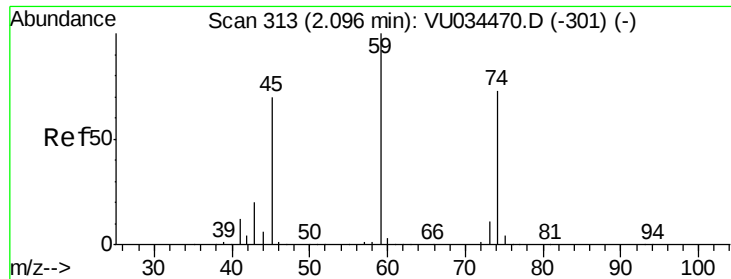


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





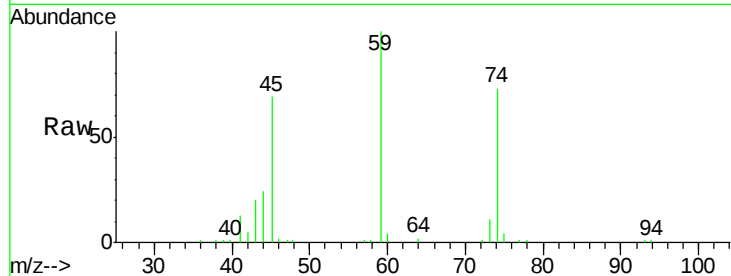
#23
Diethyl Ether
Concen: 1.989 ug/l
RT: 2.10 min Scan# 313
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

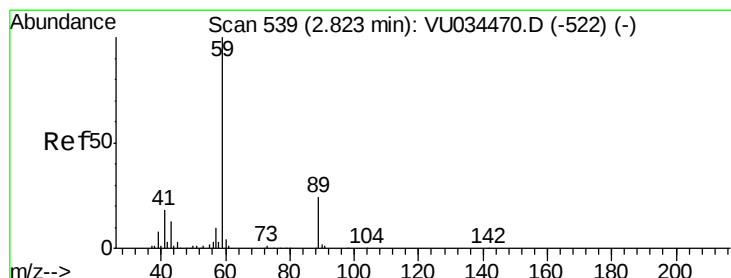
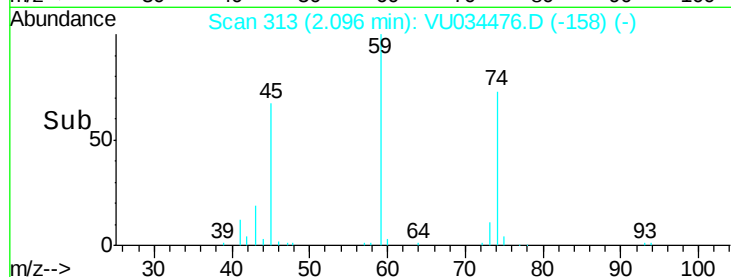
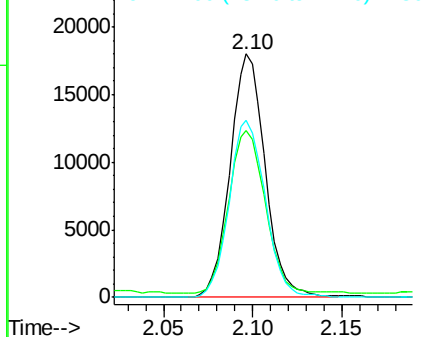
Tot Ion	Ratio	Lower	Upper
59	100		
45	70.7	56.3	84.5
74	75.1	58.2	87.2

Manual Integrations
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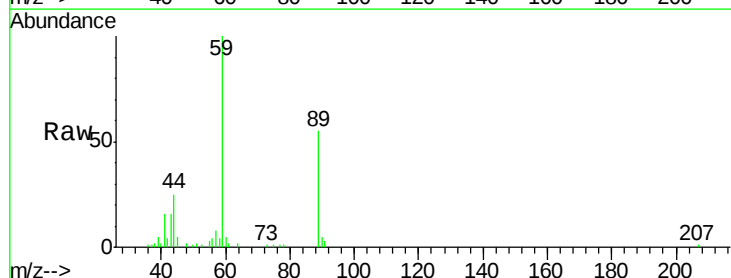


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

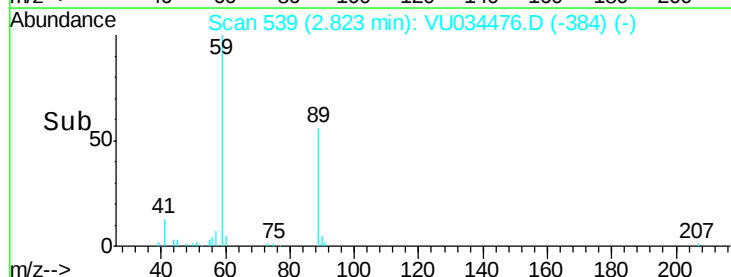
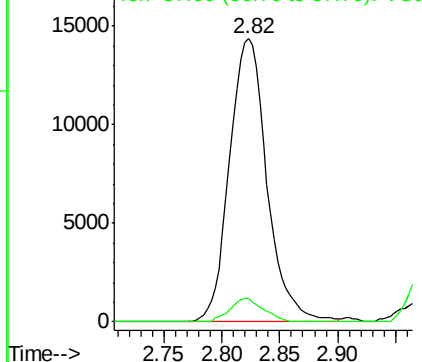


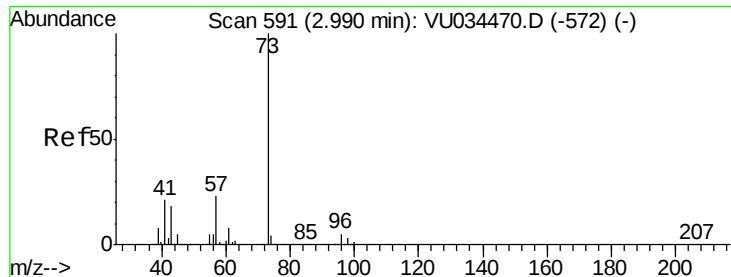
#24
tert-Butyl Alcohol
Concen: 20.124 ug/l
RT: 2.82 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.4	7.3	10.9



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





#25

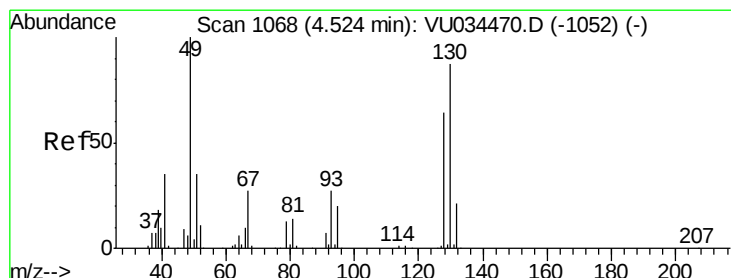
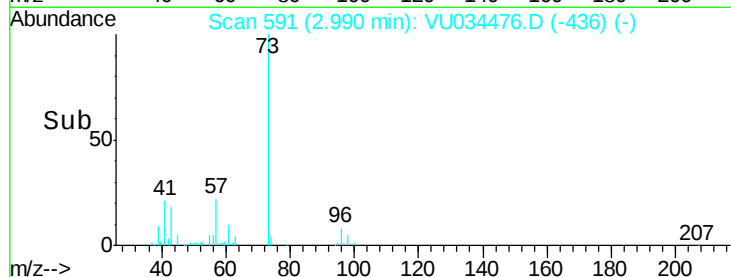
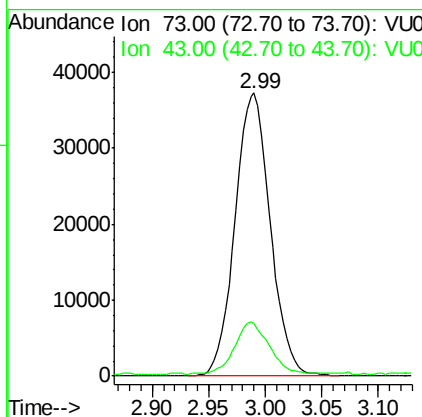
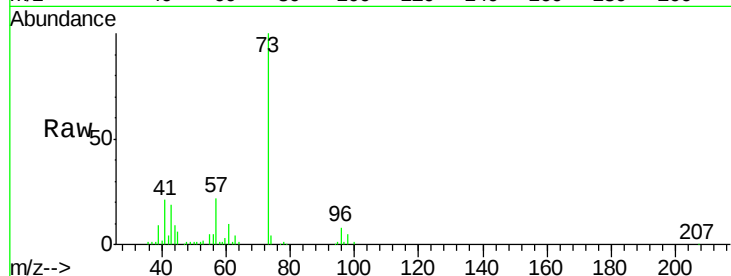
Methyl tert-Butyl Ether
 Concen: 2.046 ug/l
 RT: 2.99 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
43	17.7	14.4	21.6

Manual Integrations
 APPROVED

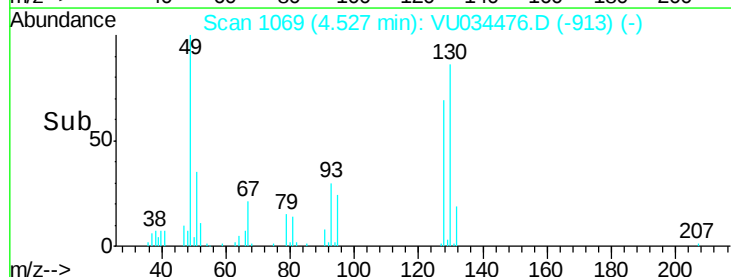
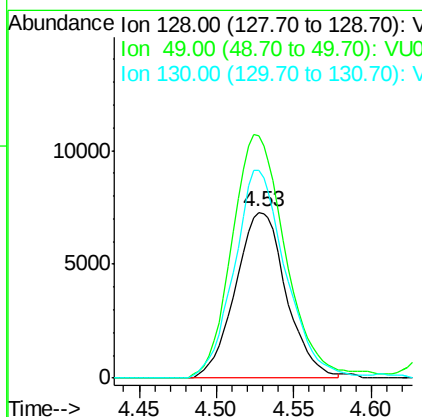
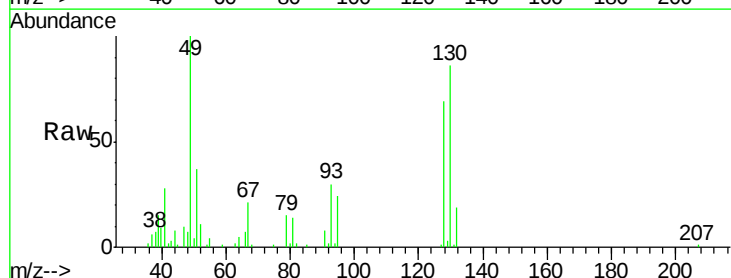
MMDadoda
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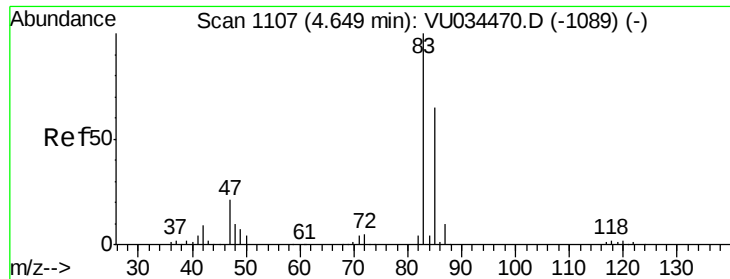


#26

Bromochloromethane
 Concen: 1.964 ug/l
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
128	100		
49	155.3	0.0	309.8
130	127.6	105.0	157.6





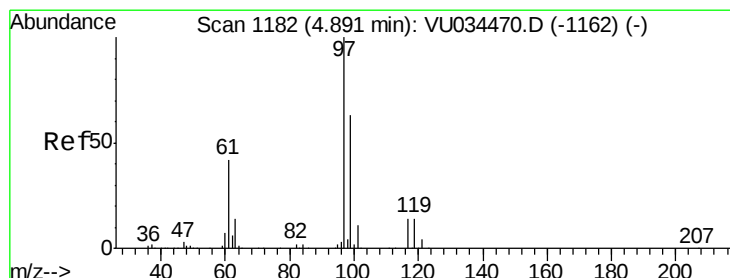
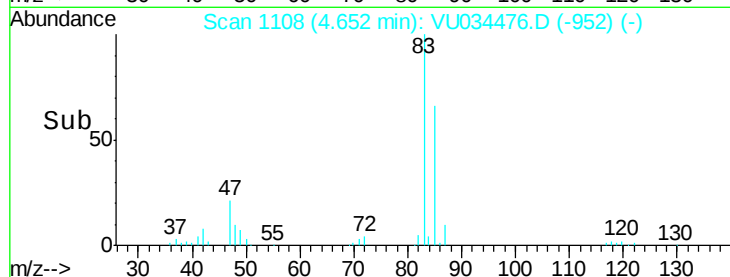
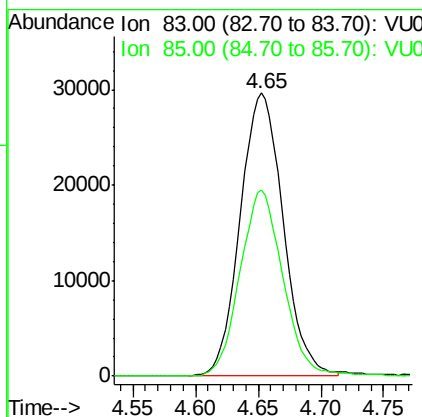
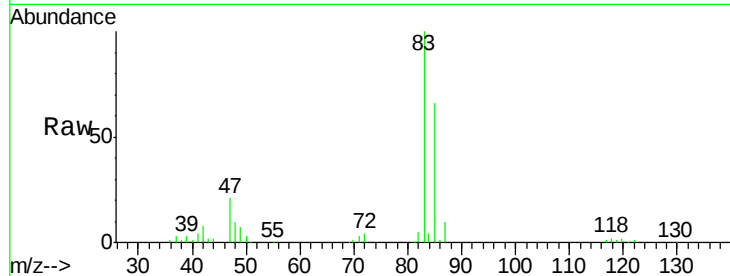
#27
Chloroform
Concen: 1.928 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion	83	Resp	70629
Ion Ratio	100	Lower	Upper
85	65.7	0.0	130.2

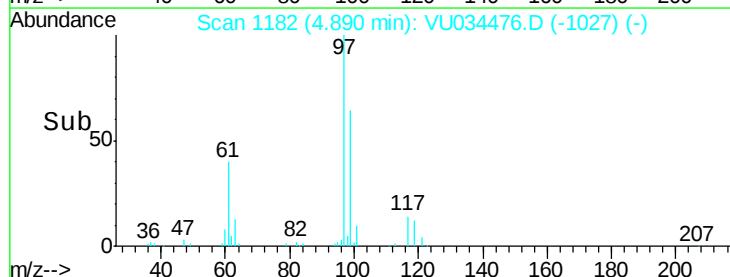
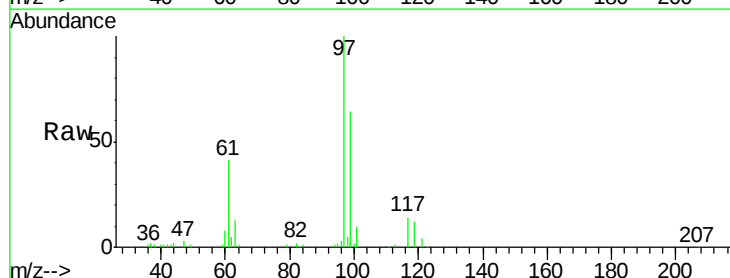
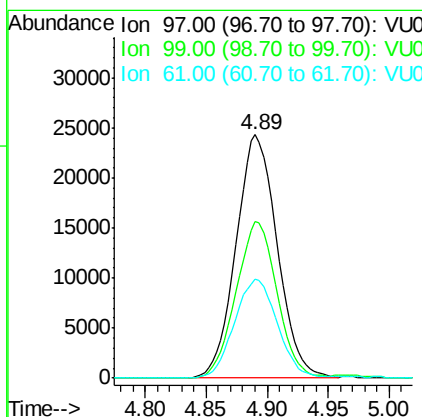
Manual Integrations
APPROVED

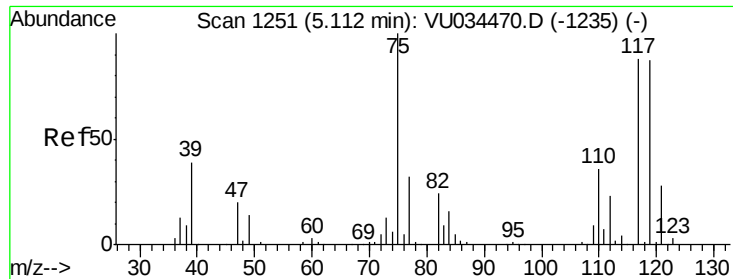
MMDadoda
9/12/2019 4:53:49 PM



#28
1,1,1-Trichloroethane
Concen: 1.984 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	97	Resp	56984
Ion Ratio	100	Lower	Upper
99	63.6	32.0	96.2
61	42.2	21.4	64.3





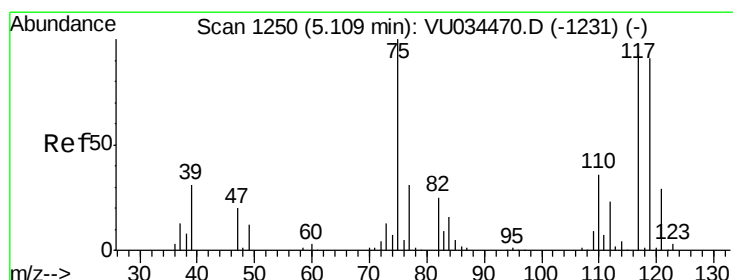
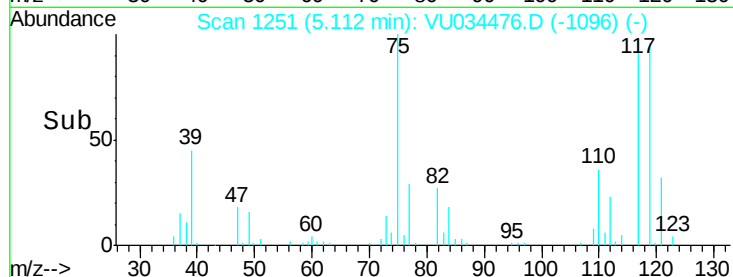
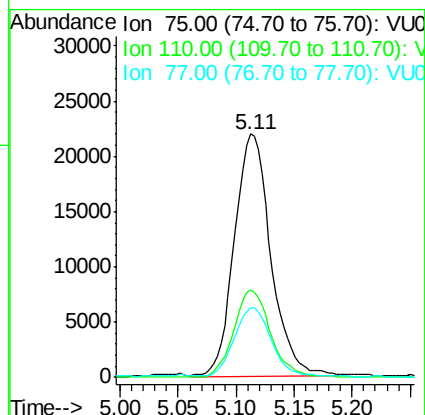
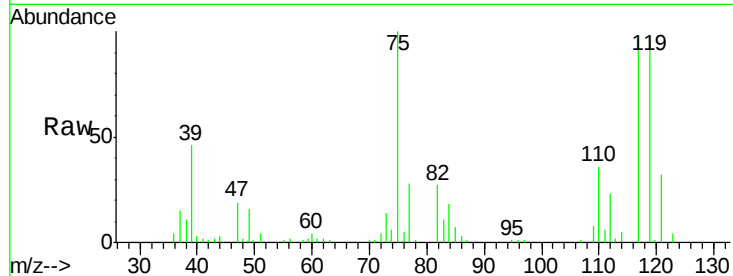
#29
 1,1-Dichloropropene
 Concen: 1.923 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.4	55.2
77	28.2	25.0	37.6

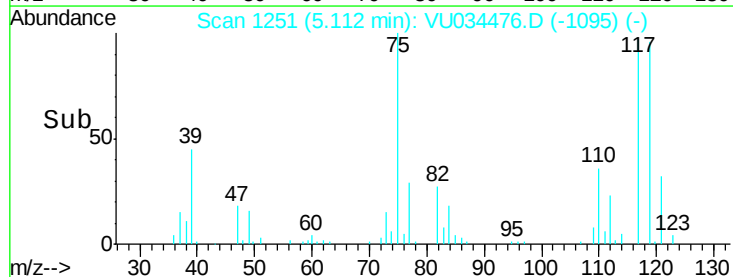
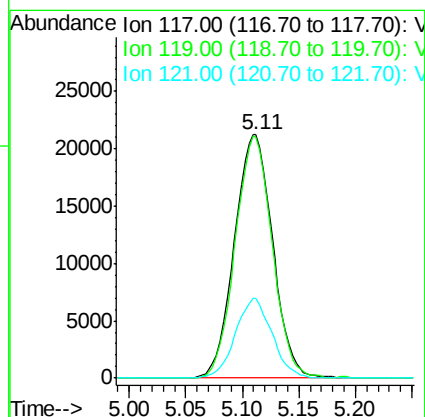
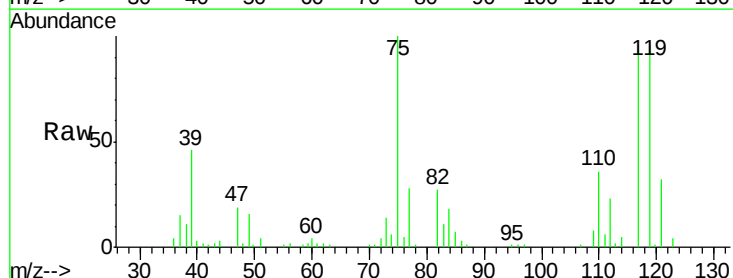
Manual Integrations
 APPROVED

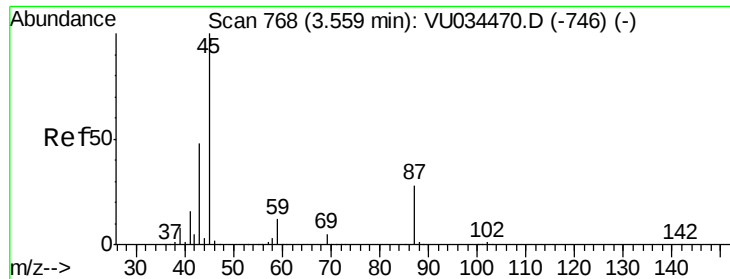
MMDadoda
 9/12/2019 4:53:49 PM



#30
 Carbon Tetrachloride
 Concen: 1.940 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	78.5	117.7
121	33.0	25.3	37.9





#31

Isopropyl Ether

Concen: 1.985 ug/l

RT: 3.56 min Scan# 768

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion: 45 Resp: 100683

Ion Ratio Lower Upper

45 100

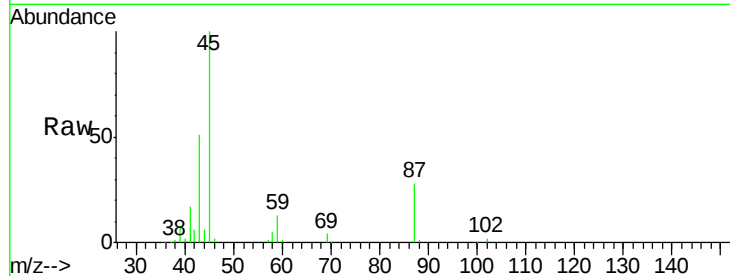
43 51.1 24.8 74.3

Manual Integrations

APPROVED

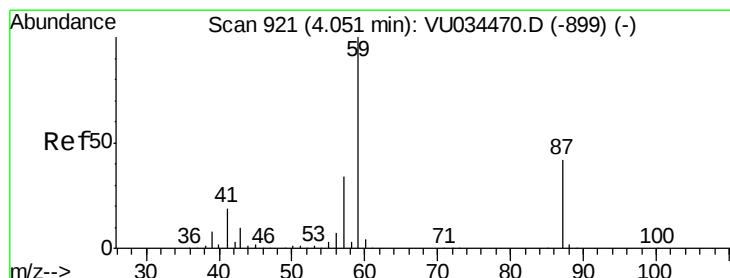
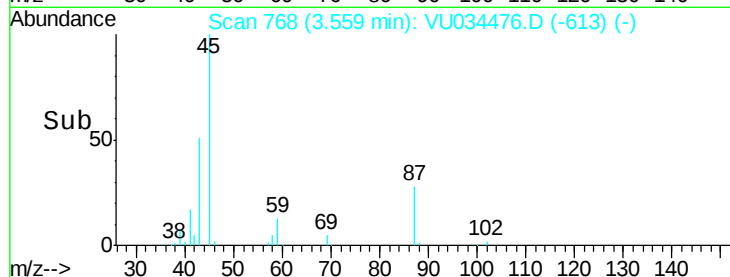
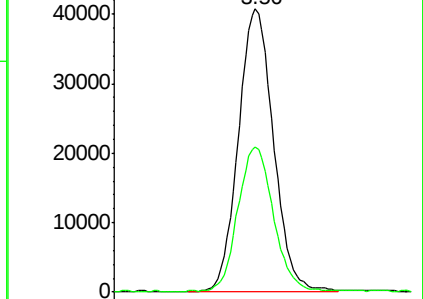
MMDadoda

9/12/2019 4:53:49 PM



Abundance Ion 45.00 (44.70 to 45.70): VU034476.D (-746) (-)

Ion 43.00 (42.70 to 43.70): VU034476.D (-746) (-)



#32

Ethyl-t-butyl ether

Concen: 1.900 ug/l

RT: 4.05 min Scan# 922

Delta R.T. 0.00 min

Lab File: VU034476.D

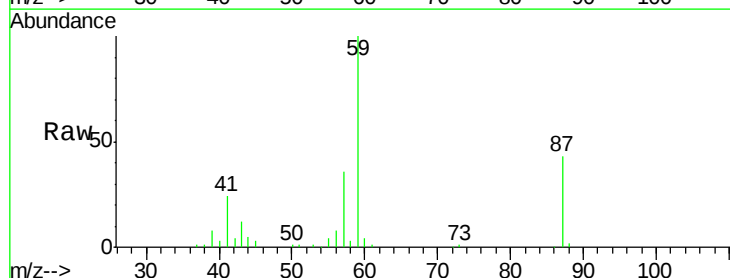
Acq: 11 Sep 2019 14:50

Tgt Ion: 59 Resp: 82461

Ion Ratio Lower Upper

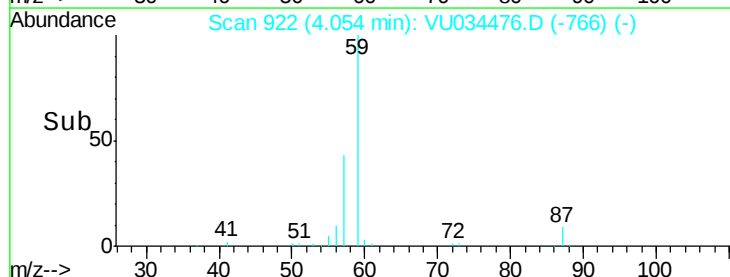
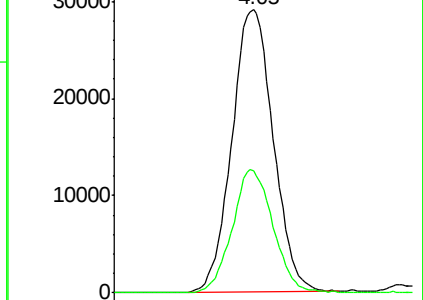
59 100

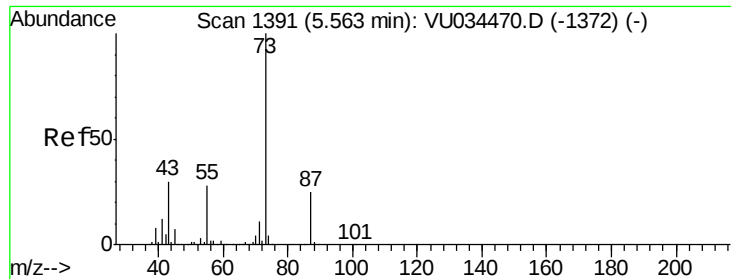
87 43.3 33.6 50.4



Abundance Ion 59.00 (58.70 to 59.70): VU034476.D (-899) (-)

Ion 87.00 (86.70 to 87.70): VU034476.D (-899) (-)





#33

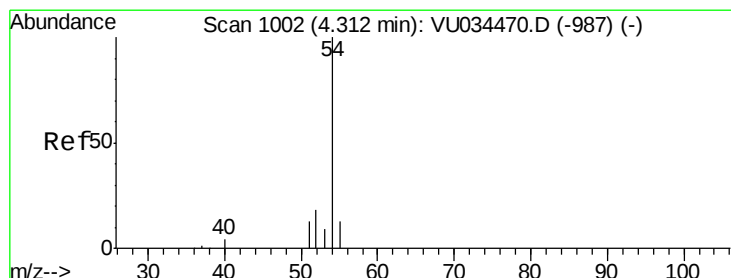
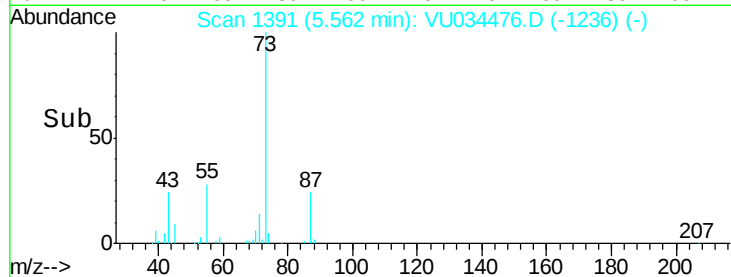
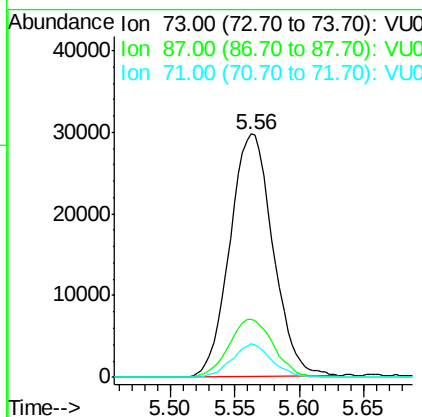
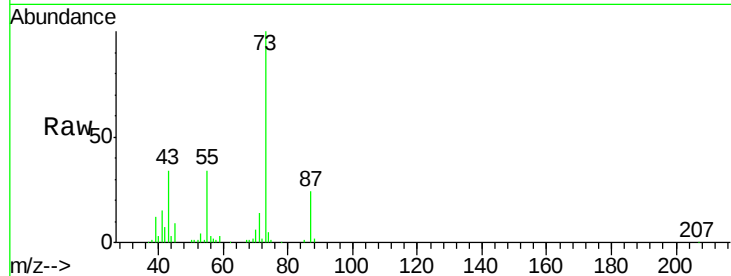
Tert-Butyl methyl ether
 Concen: 1.895 ug/l
 RT: 5.56 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.9	19.4	29.0
71	12.6	9.3	13.9

Manual Integrations
 APPROVED

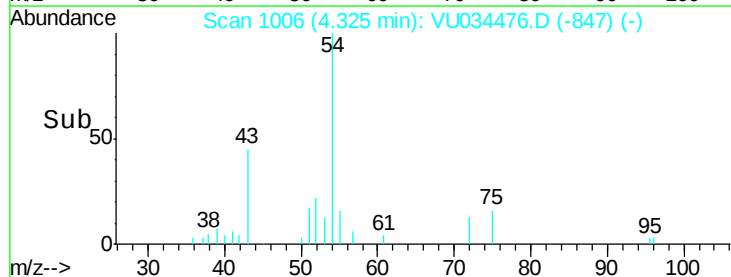
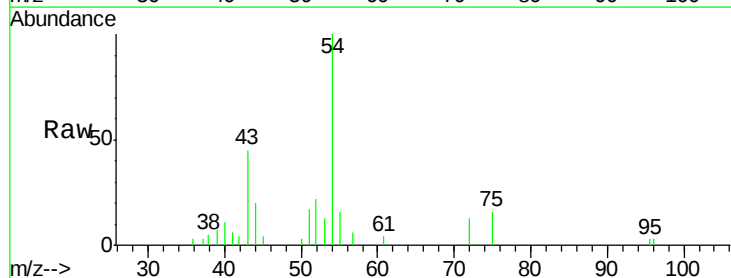
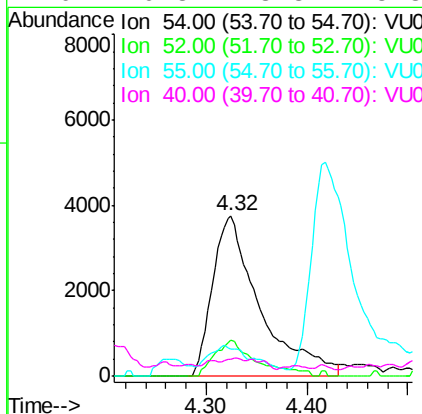
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 9/12/2019 4:53:49 PM

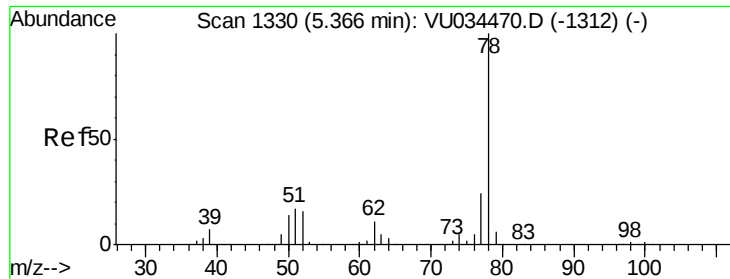


#34

Propionitrile
 Concen: 10.358 ug/l
 RT: 4.32 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.5	14.1	21.1
55	8.7	13.3	19.9#
40	0.8	3.8	5.8#





#35

Benzene

Concen: 1.923 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion: 78 Resp: 143145

Ion Ratio Lower Upper

78 100

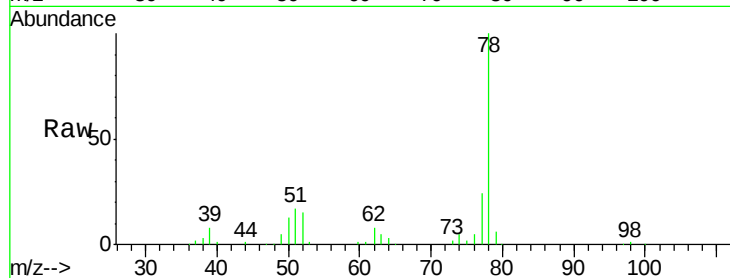
77 23.5 19.3 28.9

Manual Integrations

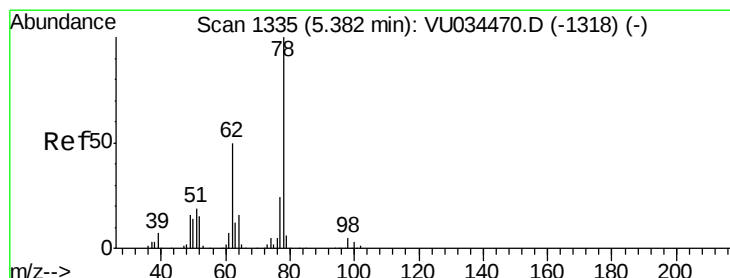
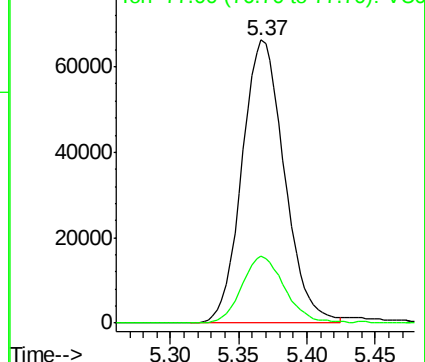
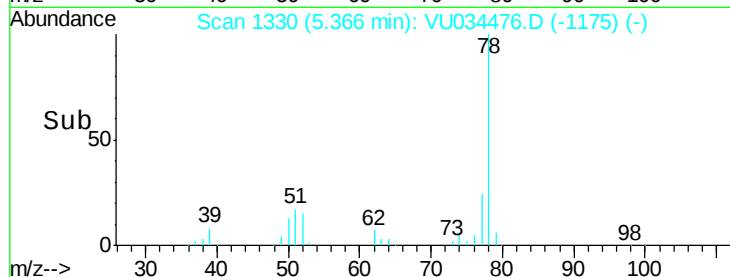
APPROVED

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Abundance Ion 78.10 (77.80 to 78.80): VU034476.D (-1175) (-)



#36

1,2-Dichloroethane

Concen: 1.947 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU034476.D

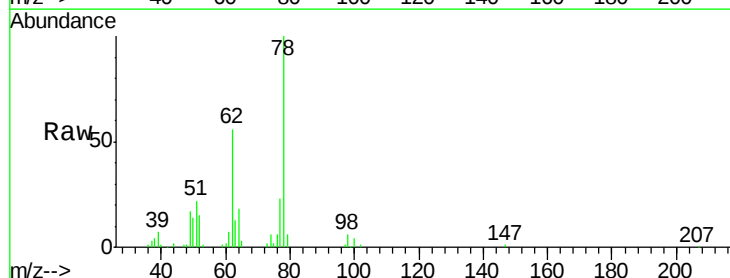
Acq: 11 Sep 2019 14:50

Tgt Ion: 62 Resp: 37220

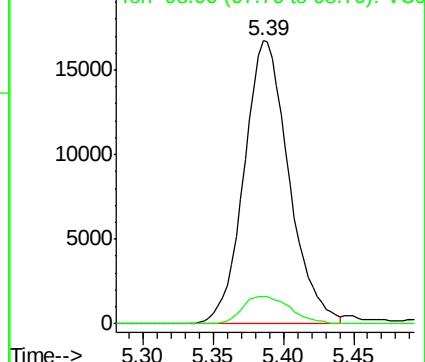
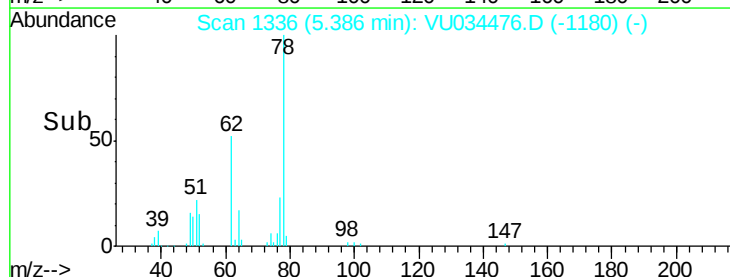
Ion Ratio Lower Upper

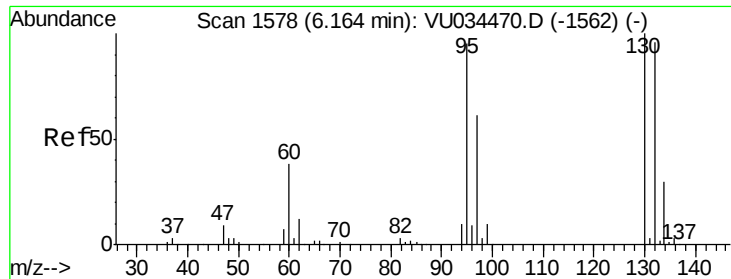
62 100

98 10.4 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU034476.D (-1180) (-)





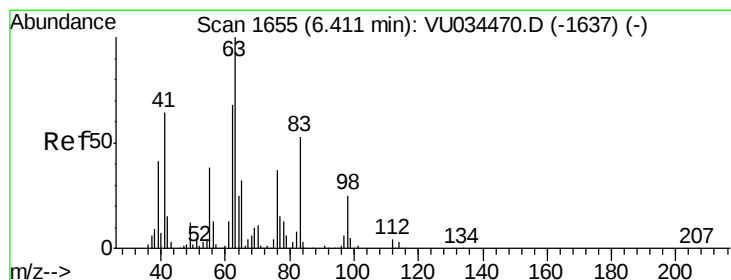
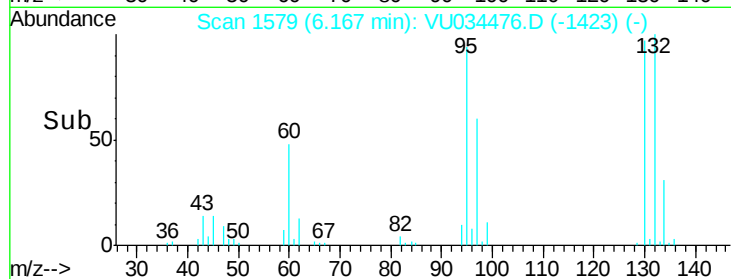
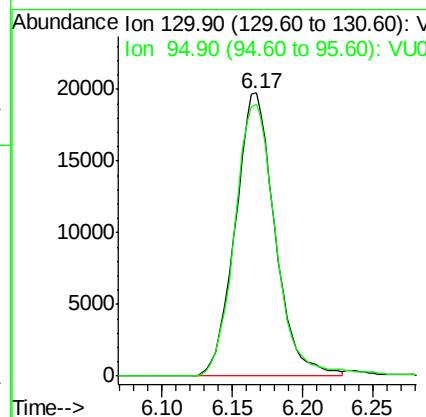
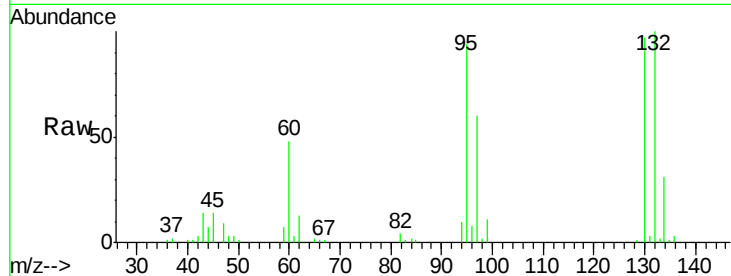
#37
 Trichloroethene
 Concen: 1.864 ug/l
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion:130 Resp: 38821
 Ion Ratio Lower Upper
 130 100
 95 96.1 76.3 114.5

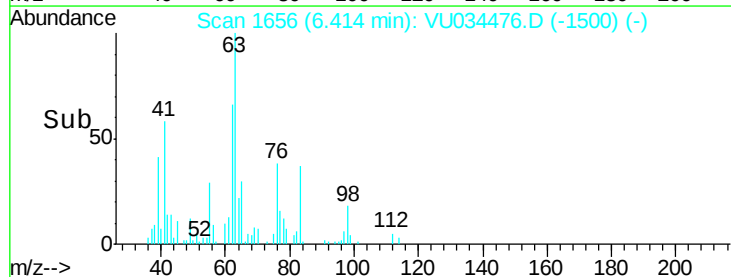
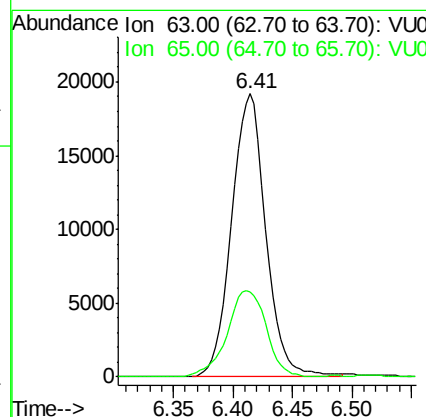
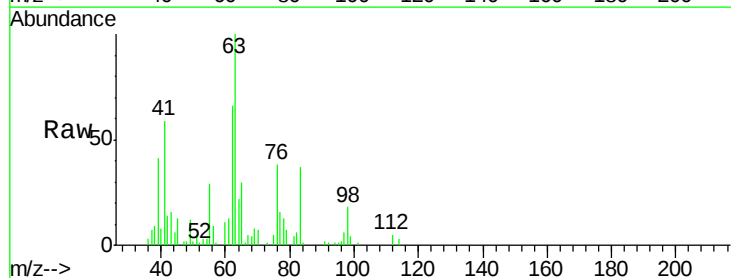
Manual Integrations
 APPROVED

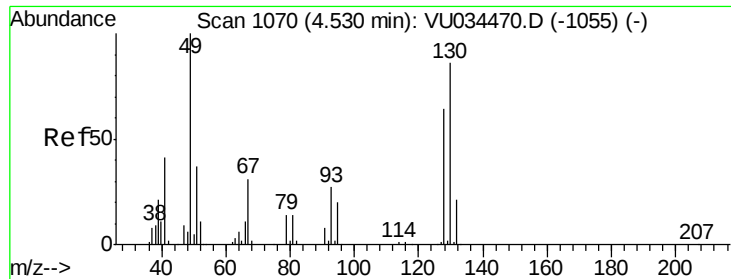
MMDadoda
 9/12/2019 4:53:49 PM



#38
 1,2-Dichloropropane
 Concen: 1.940 ug/l
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion: 63 Resp: 38261
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.4 38.2





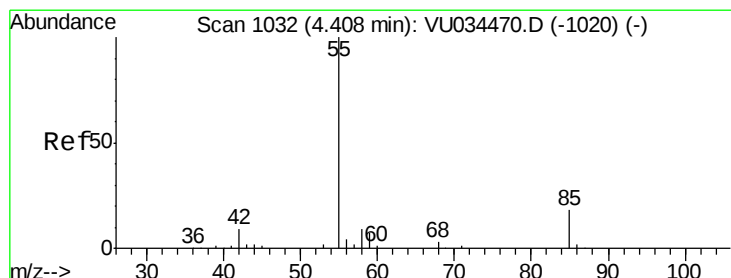
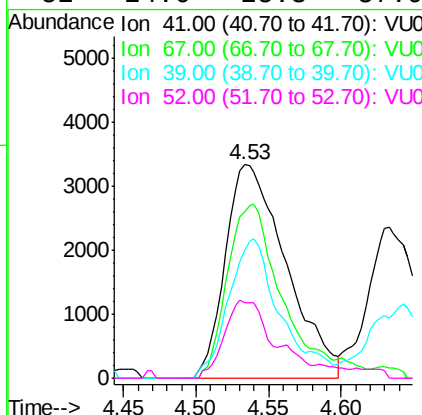
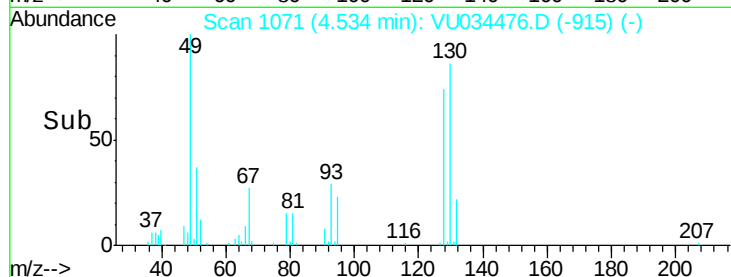
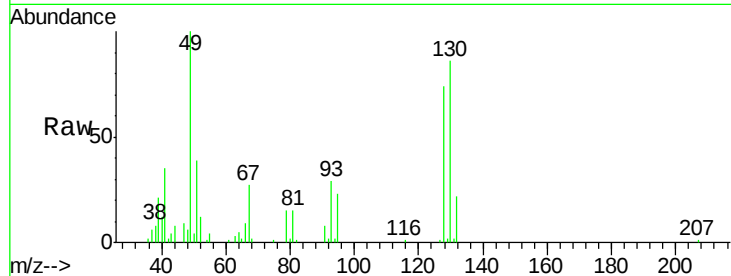
#39
Methacrylonitrile
Concen: 1.991 ug/l
RT: 4.53 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampled :
VU0911WBSD01

Tot Ion	41	Resp:	9678
Ion	Ratio	Lower	Upper
41	100		
67	75.3	62.6	94.0
39	55.5	41.6	62.4
52	24.6	25.3	37.9#

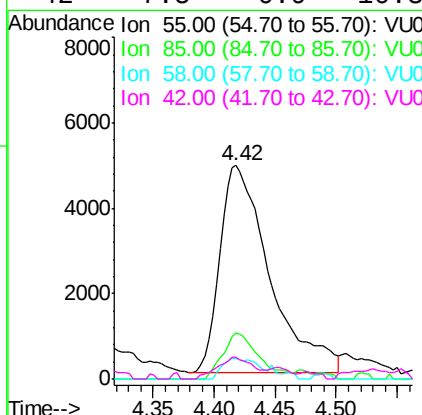
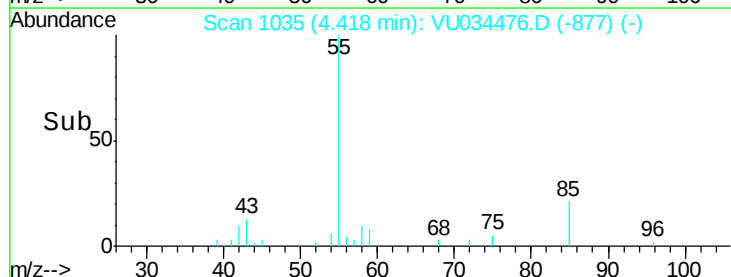
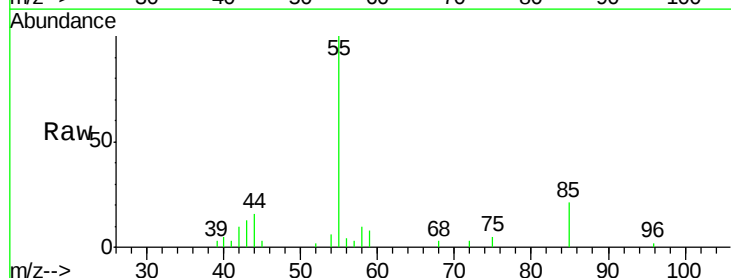
Manual Integrations
APPROVED

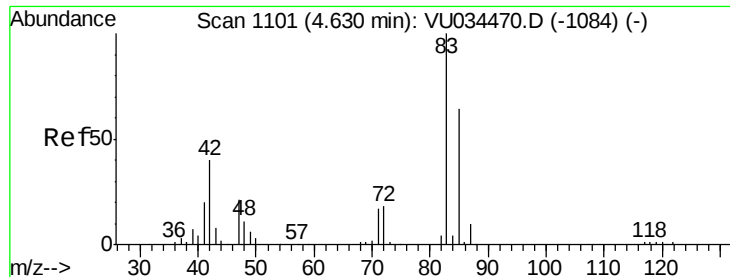
MMDadoda
9/12/2019 4:53:49 PM



#40
Methyl acrylate
Concen: 1.863 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	55	Resp:	13804
Ion	Ratio	Lower	Upper
55	100		
85	16.3	13.8	20.6
58	7.1	7.0	10.6
42	7.5	6.9	10.3





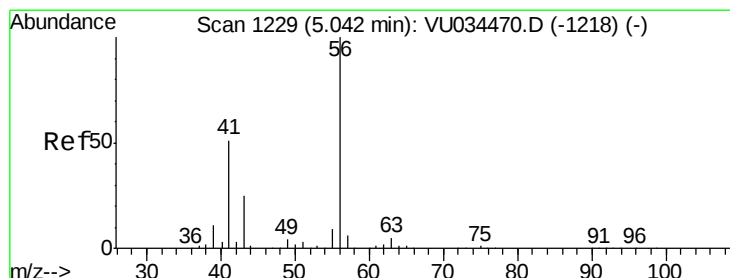
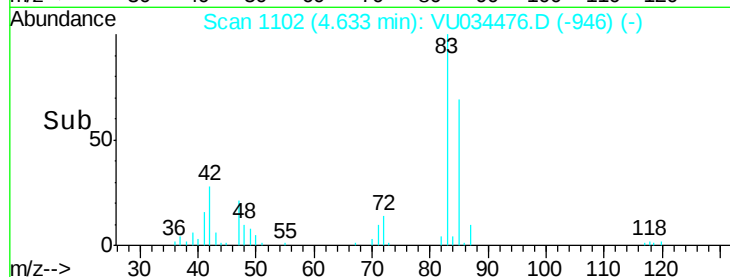
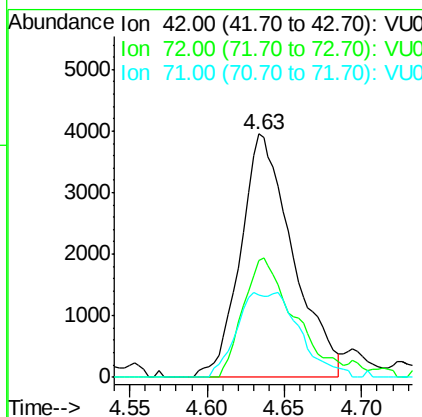
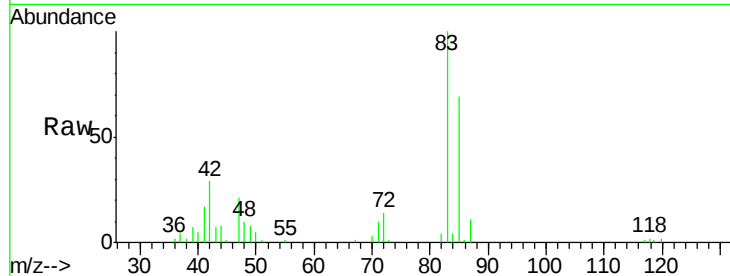
#41
Tetrahydrofuran
Concen: 3.722 ug/l
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampled :
VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	39.6	59.4
71	21.5	33.6	50.4#

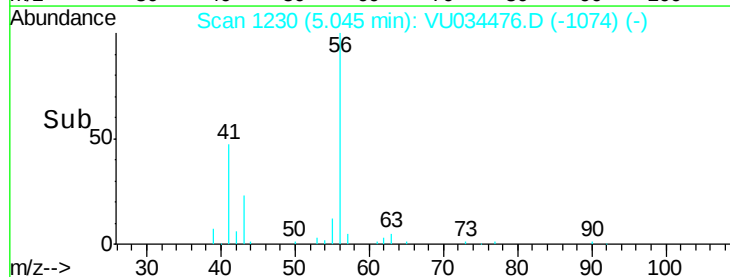
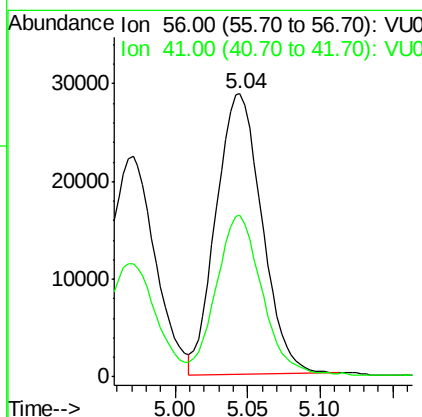
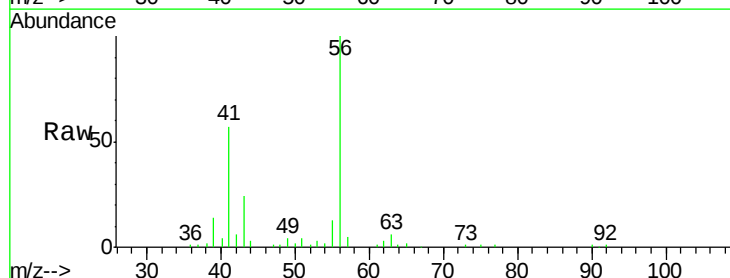
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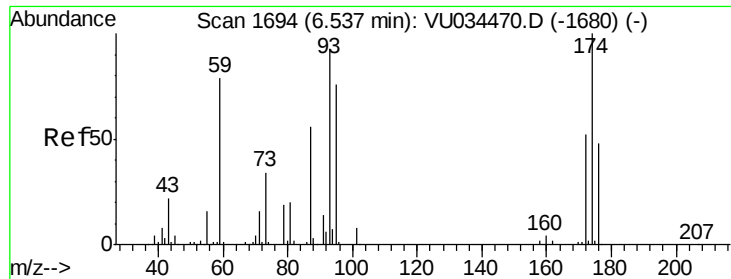
MMDadoda
9/12/2019 4:53:49 PM



#42
1-Chlorobutane
Concen: 1.861 ug/l
RT: 5.04 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
56	100		
41	56.3	25.5	76.5





#43

Dibromomethane

Concen: 1.941 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

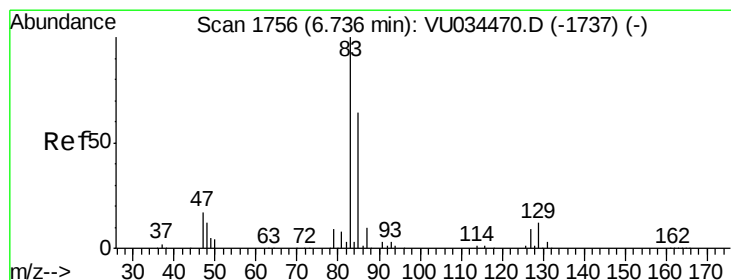
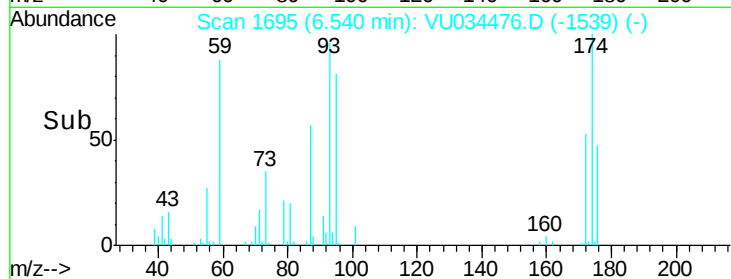
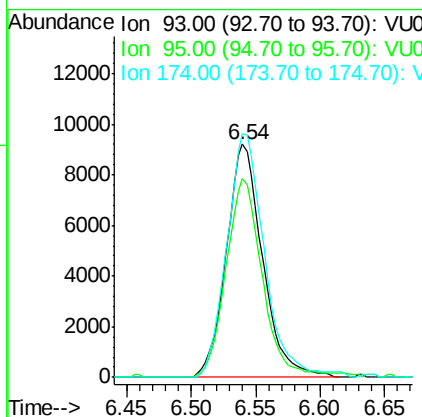
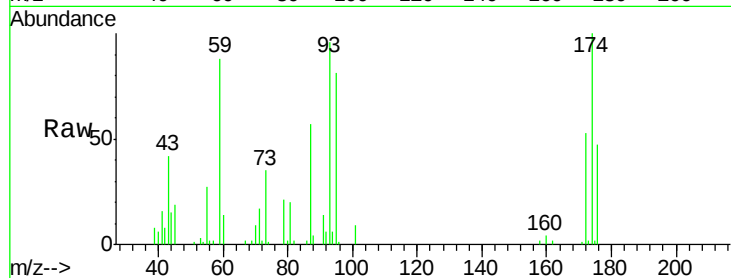
ClientSampleId :

VU0911WBSD01

Tot Ion:	93	Resp:	18020
Ion	Ratio	Lower	Upper
93	100		
95	84.5	67.1	100.7
174	108.5	88.7	133.1

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#44

Bromodichloromethane

Concen: 1.938 ug/l

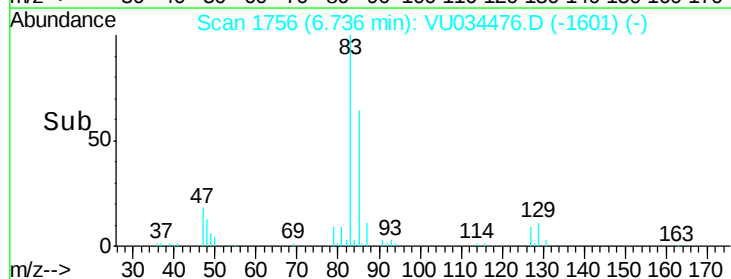
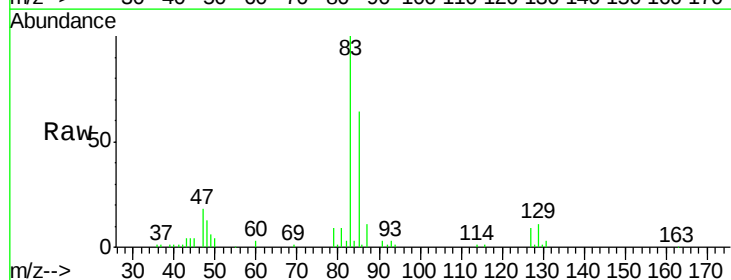
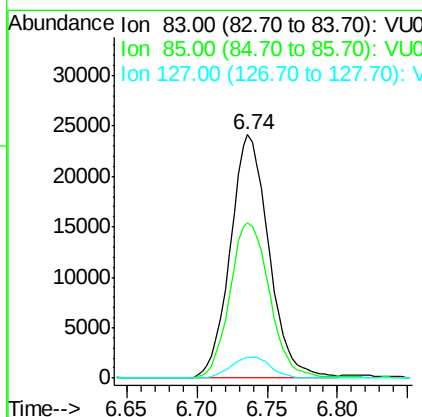
RT: 6.74 min Scan# 1756

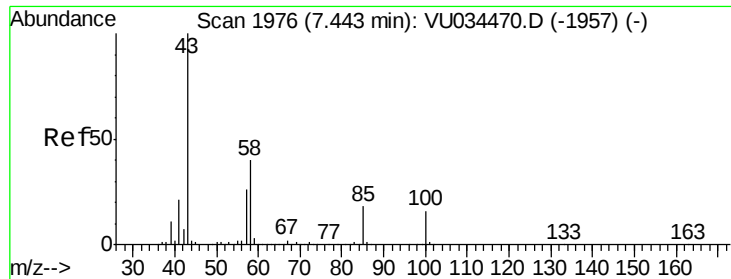
Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Tgt Ion:	83	Resp:	46221
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	8.5	7.1	10.7





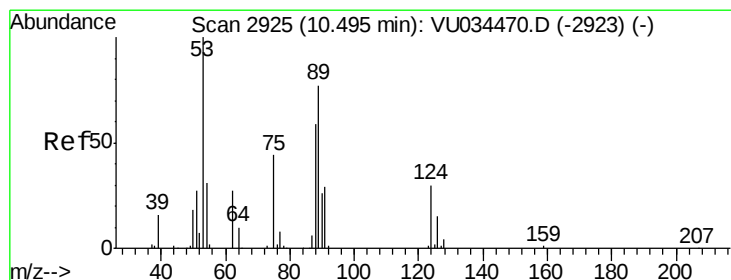
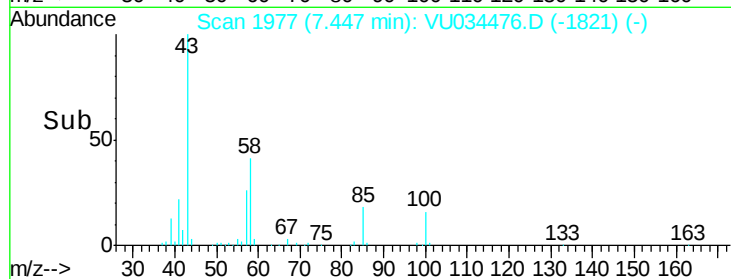
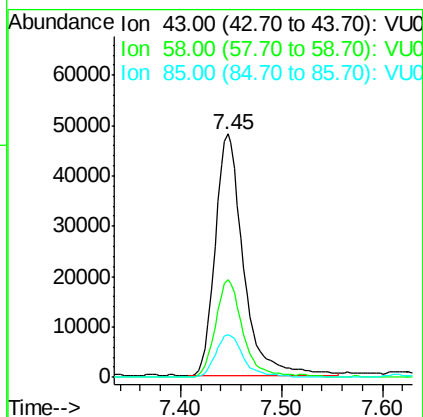
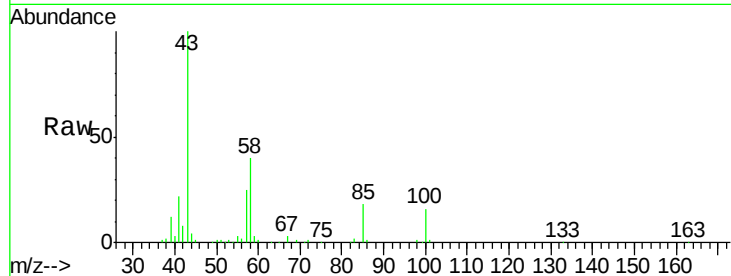
#45
4-Methyl-2-Pentanone
Concen: 9.988 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	20.2	60.6
85	17.6	14.6	21.8

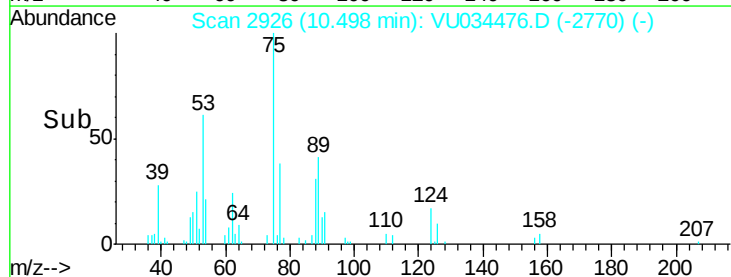
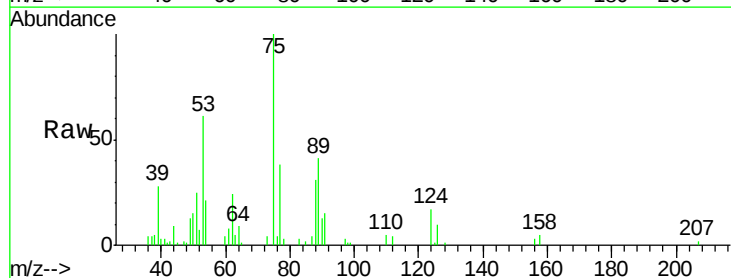
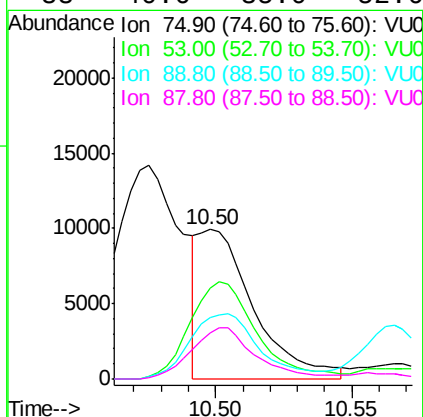
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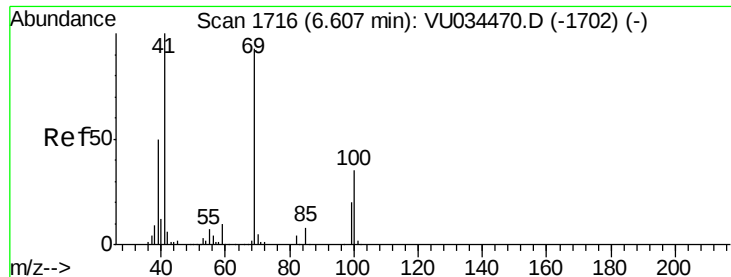
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#46
t-1,4-Dichloro-2-butene
Concen: 3.718 ug/l m
RT: 10.50 min Scan# 2926
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
53	79.6	63.3	94.9
89	55.8	46.2	69.2
88	40.6	35.0	52.6





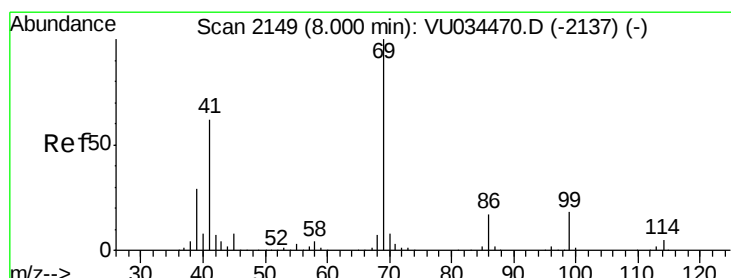
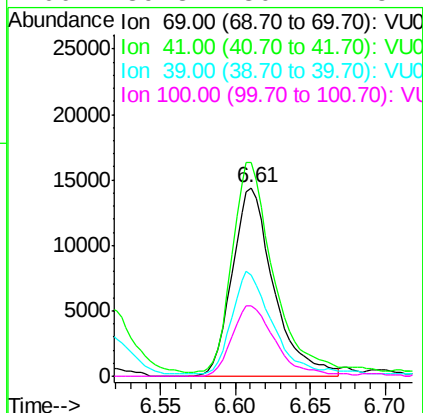
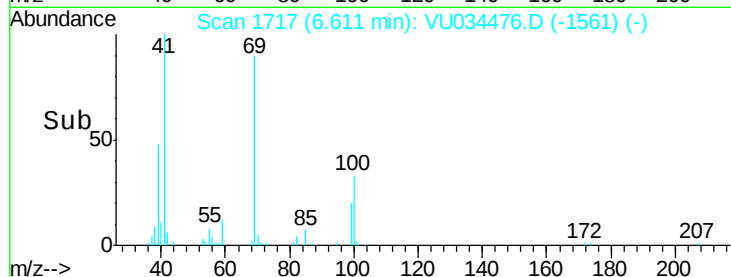
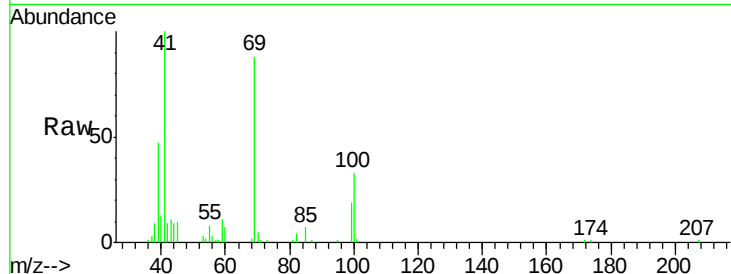
#47
Methyl methacrylate
Concen: 3.755 ug/l
RT: 6.61 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	109.4	0.0	212.8	
39	53.2	43.0	64.4	
100	39.3	30.1	45.1	

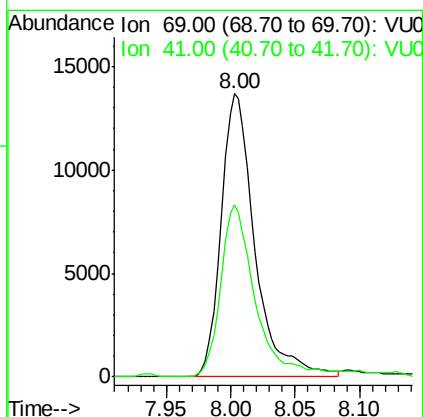
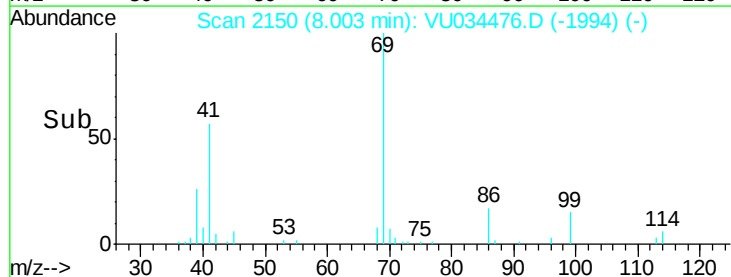
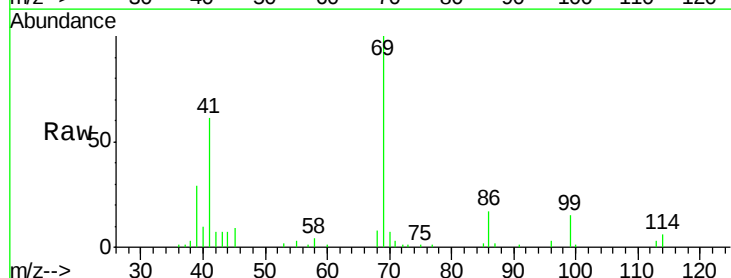
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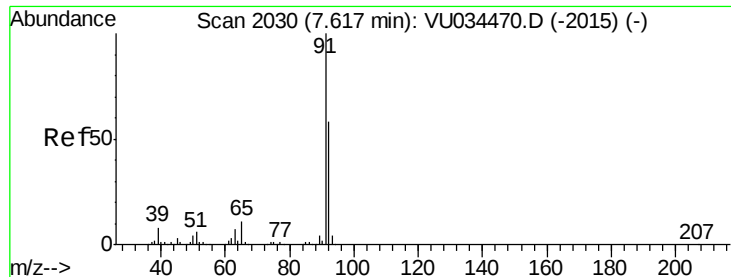
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#48
Ethyl methacrylate
Concen: 1.871 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	62.1	30.6	91.8	





#49

Toluene

Concen: 1.906 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion: 92 Resp: 82793

Ion Ratio Lower Upper

92 100

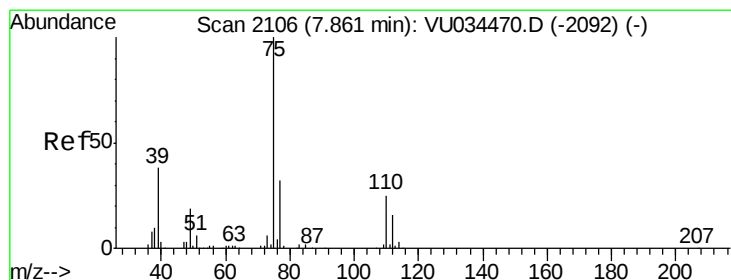
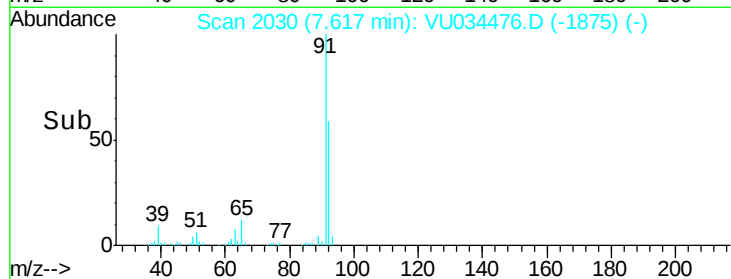
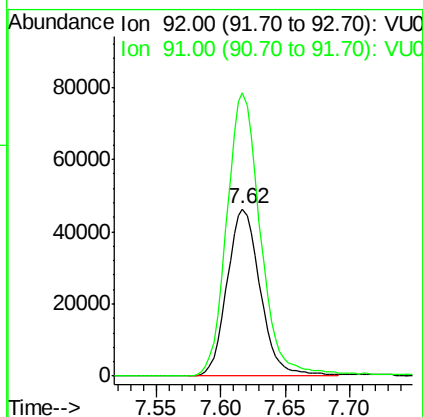
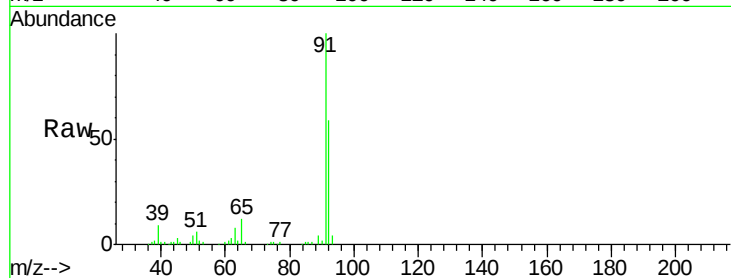
91 172.5 138.6 208.0

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#50

t-1,3-Dichloropropene

Concen: 1.921 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU034476.D

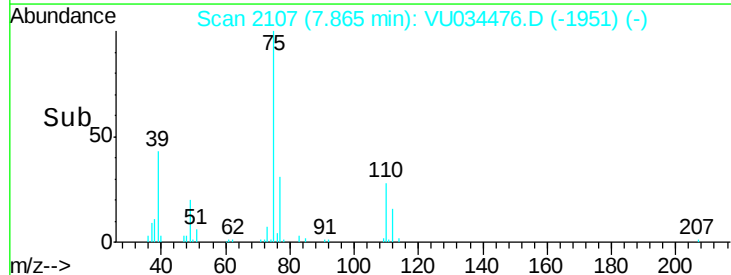
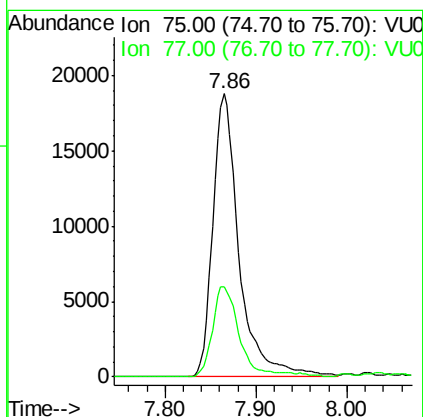
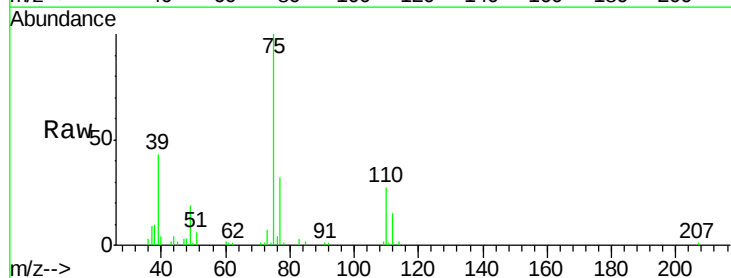
Acq: 11 Sep 2019 14:50

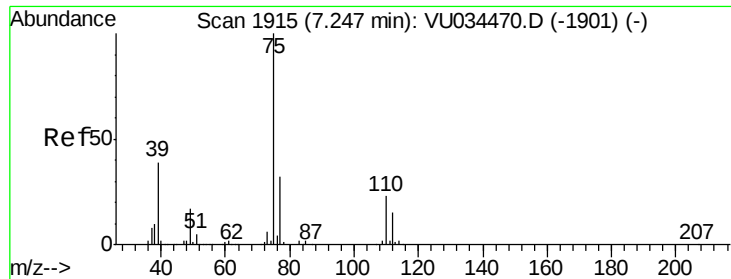
Tgt Ion: 75 Resp: 37722

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0





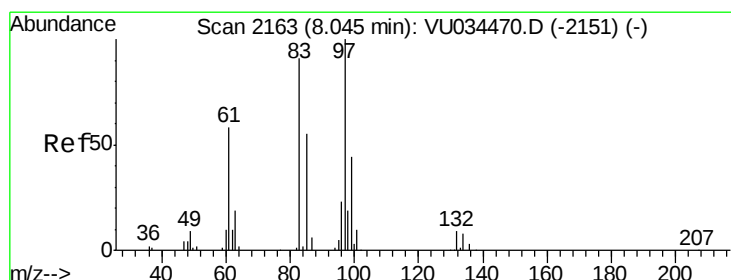
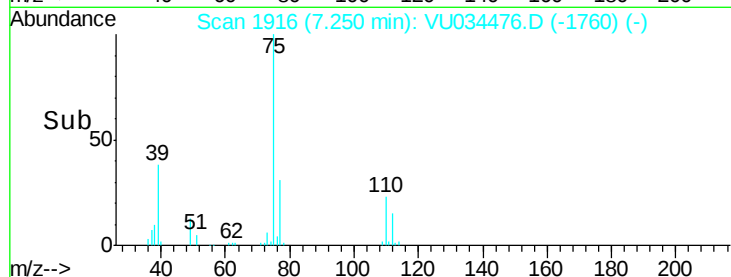
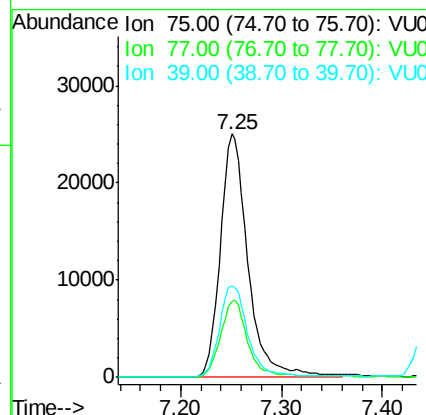
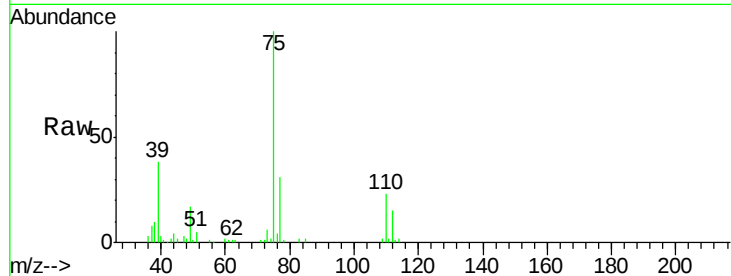
#51
 cis-1,3-Dichloropropene
 Concen: 1.941 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	37.7	31.0	46.4

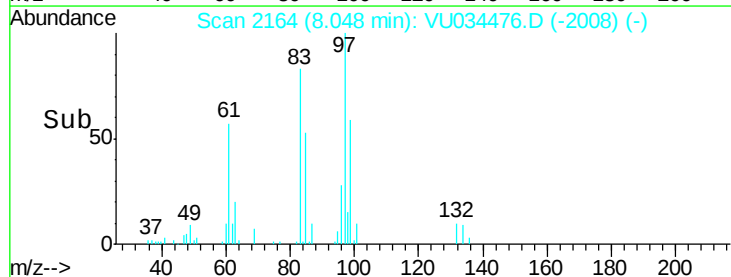
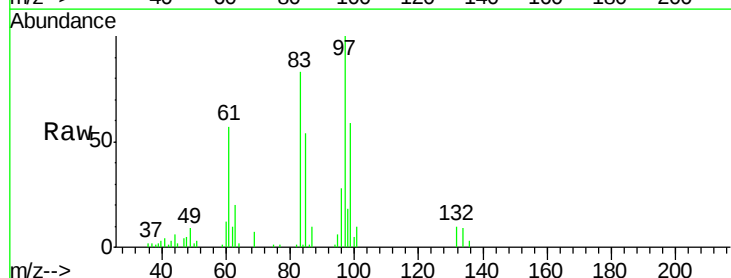
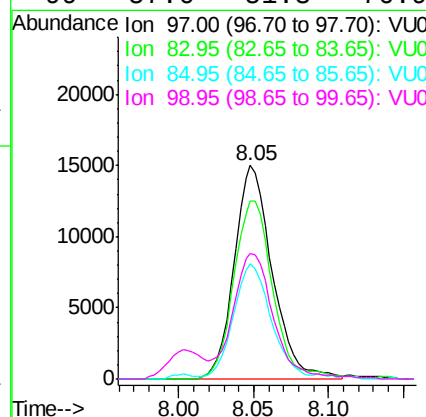
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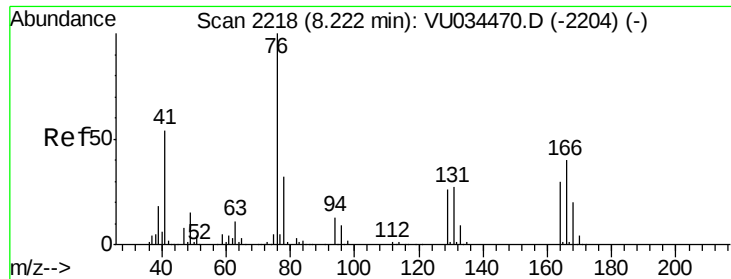
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#52
 1,1,2-Trichloroethane
 Concen: 2.060 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.2	72.5	108.7
85	52.6	45.4	68.0
99	57.6	51.3	76.9





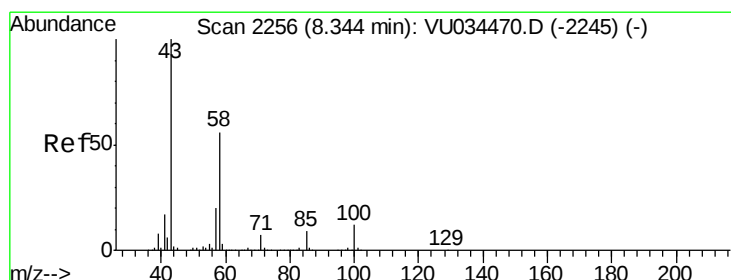
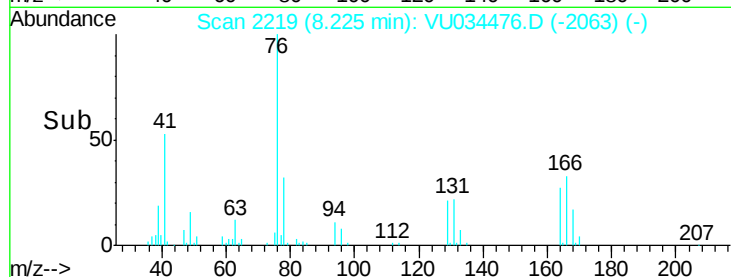
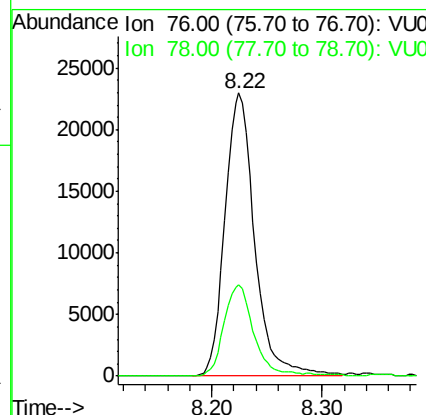
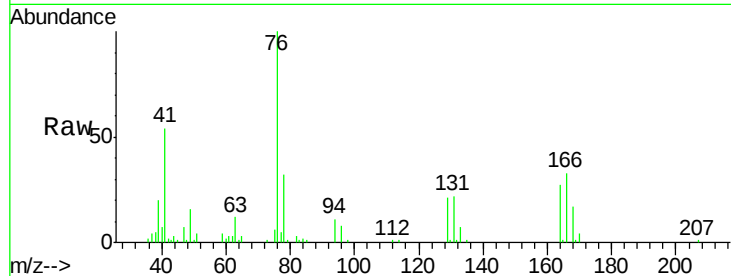
#53
 1,3-Dichloropropane
 Concen: 1.994 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion: 76 Resp: 42996
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

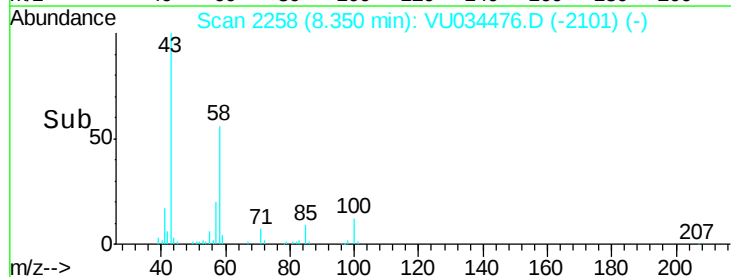
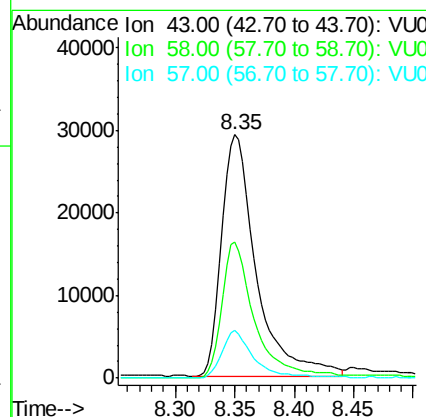
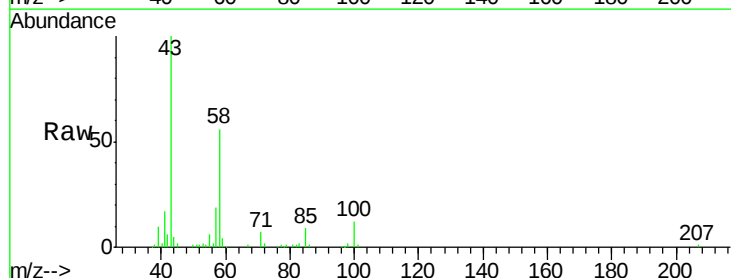
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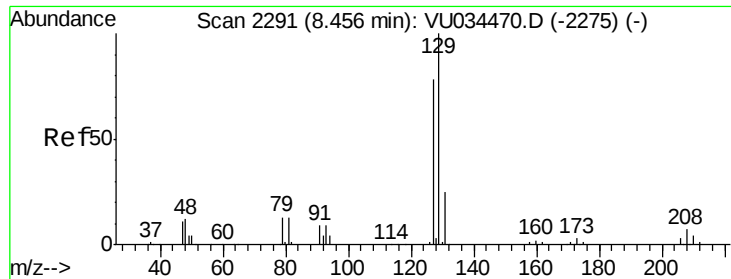
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#54
 2-Hexanone
 Concen: 9.413 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. 0.01 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion: 43 Resp: 59388
 Ion Ratio Lower Upper
 43 100
 58 53.6 36.4 76.4
 57 17.4 0.0 39.5





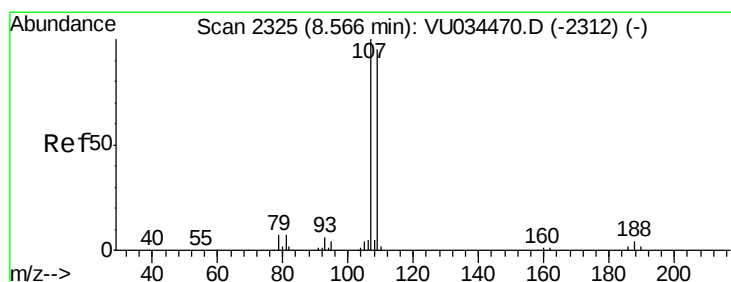
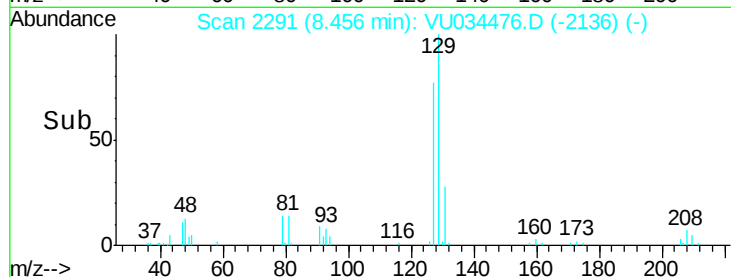
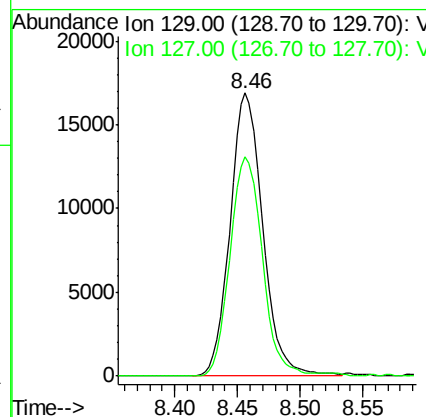
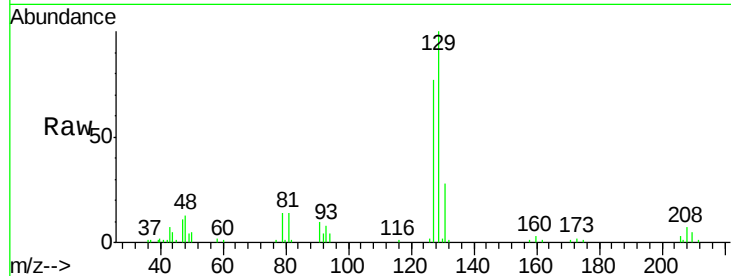
#55
 Dibromochloromethane
 Concen: 1.957 ug/l
 RT: 8.46 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.3	60.9	91.3

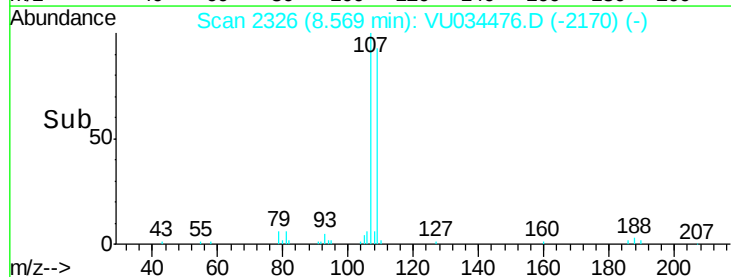
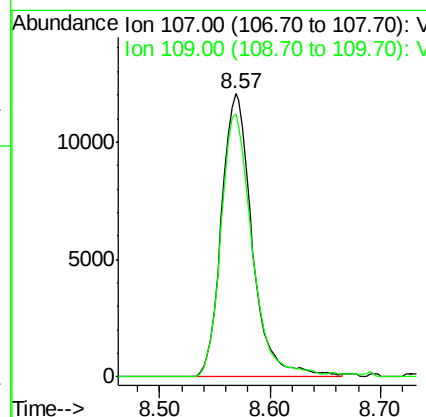
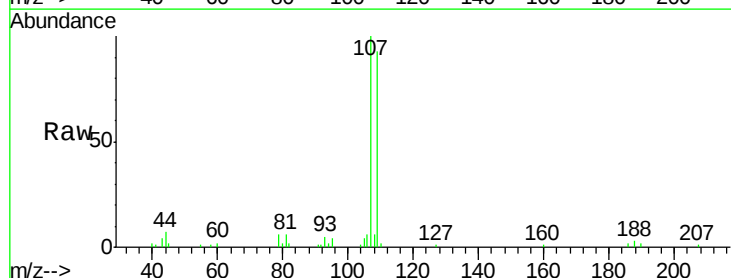
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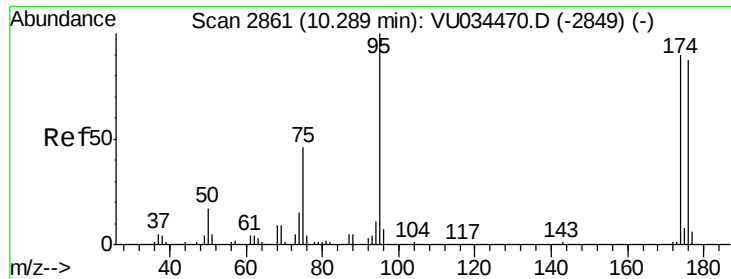
MMDadoda
 9/12/2019 4:53:49 PM



#56
 1,2-Dibromoethane
 Concen: 1.967 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	0.0	190.8





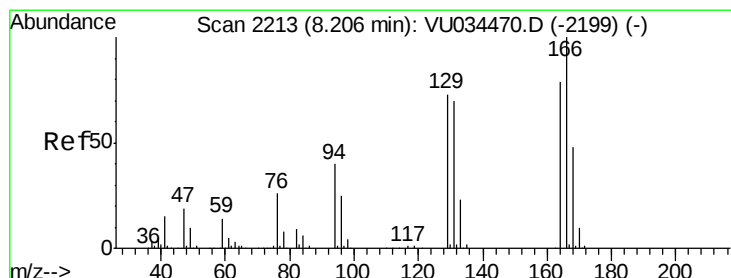
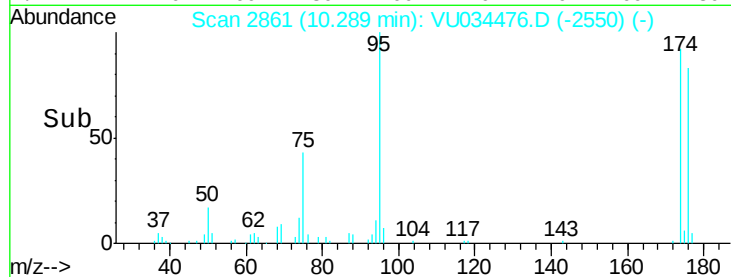
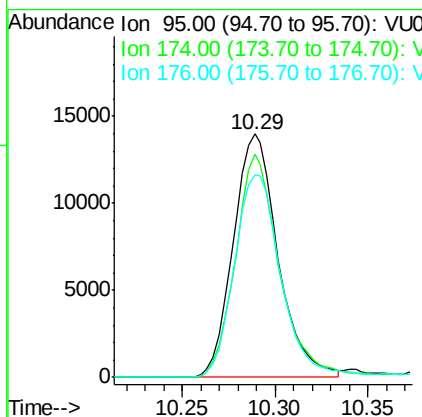
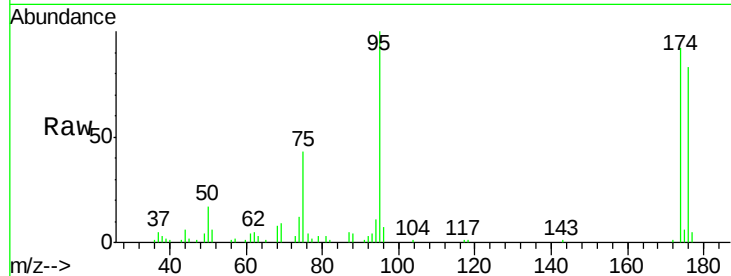
#57
4-Bromofluorobenzene
Concen: 0.973 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
95	100		
174	91.4	70.1	105.1
176	86.9	67.7	101.5

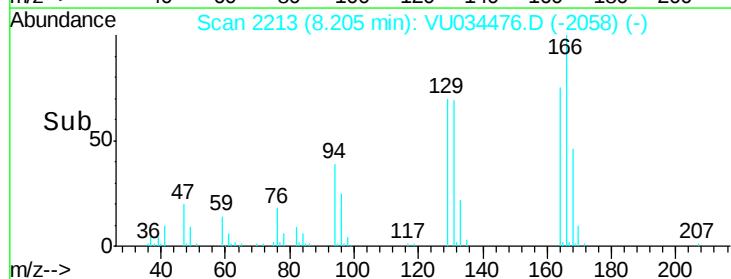
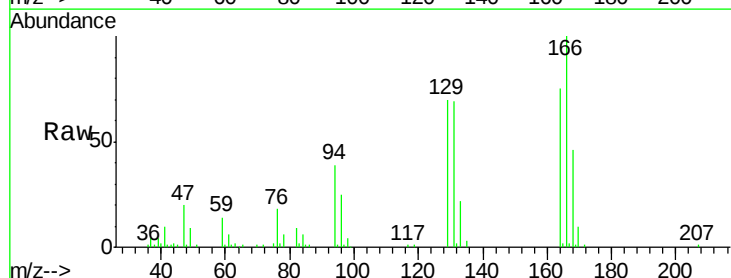
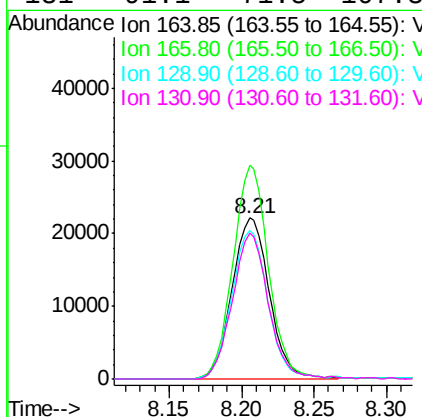
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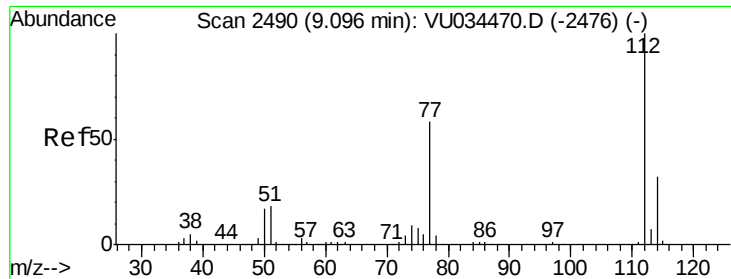
MMDadoda
9/12/2019 4:53:49 PM



#58
Tetrachloroethene
Concen: 1.998 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	101.5	152.3
129	92.7	73.8	110.8
131	91.1	71.5	107.3





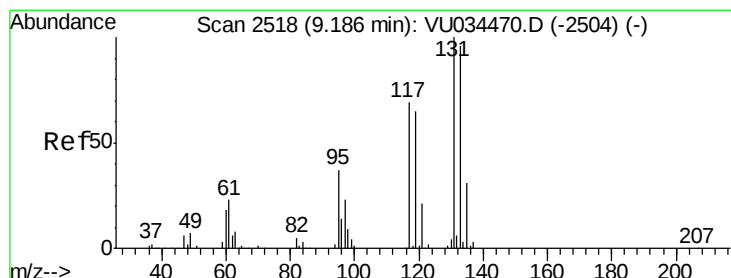
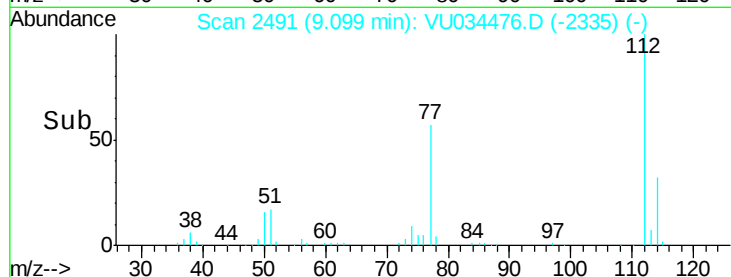
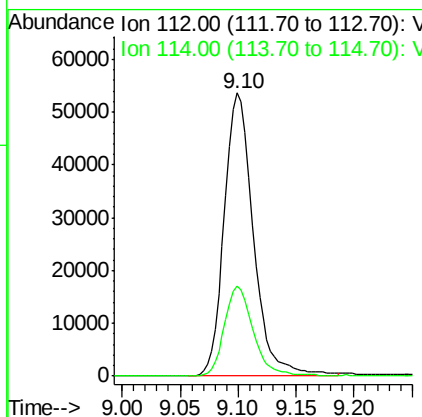
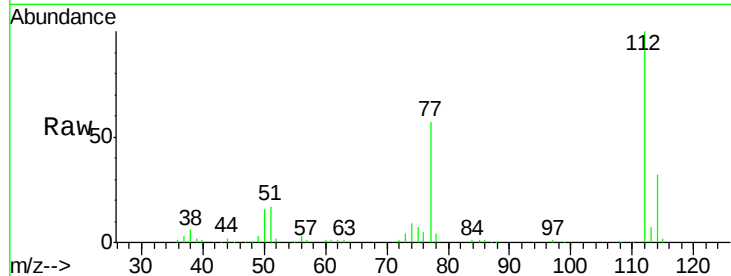
#59
Chlorobenzene
Concen: 1.936 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion:112 Resp: 93708
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

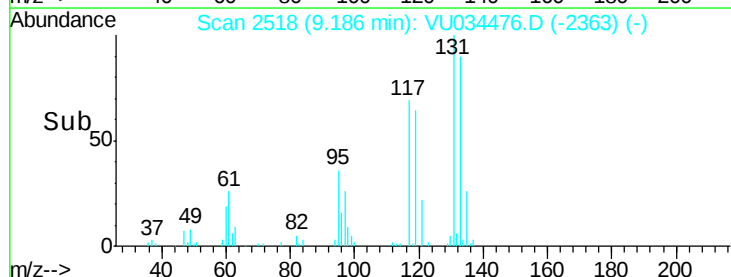
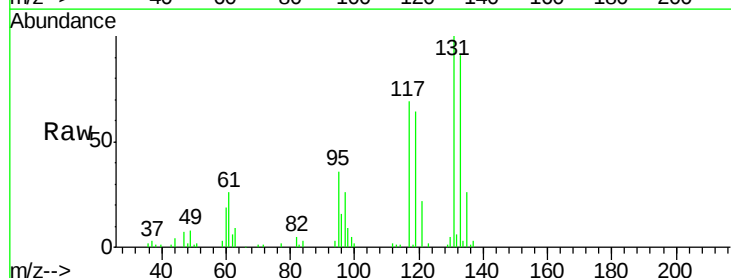
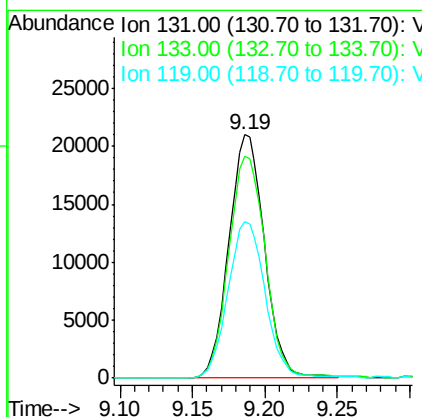
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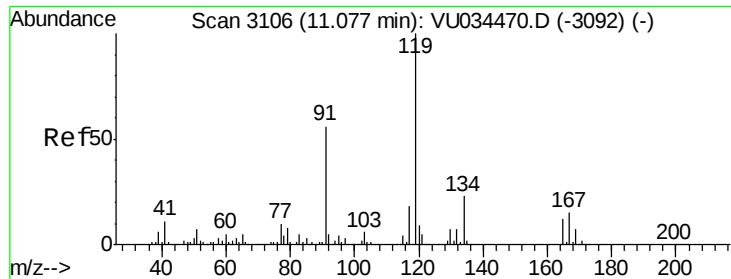
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.995 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion:131 Resp: 35748
Ion Ratio Lower Upper
131 100
133 93.1 76.8 115.2
119 66.8 52.4 78.6





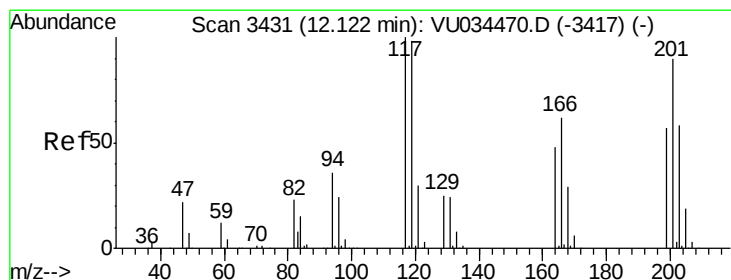
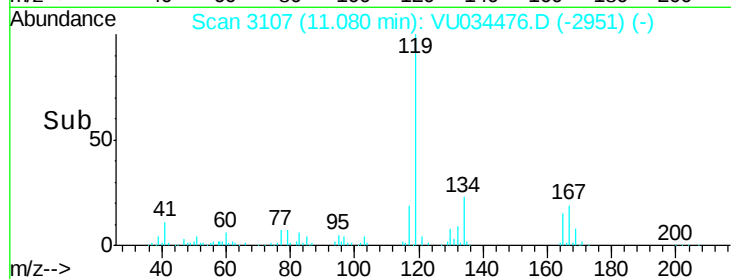
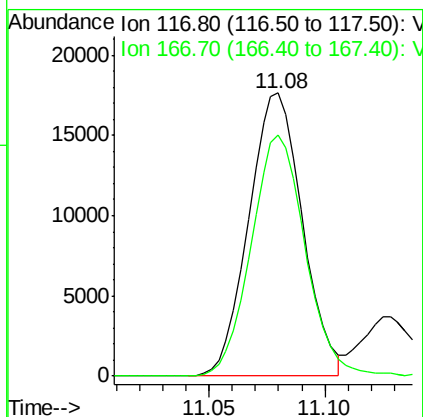
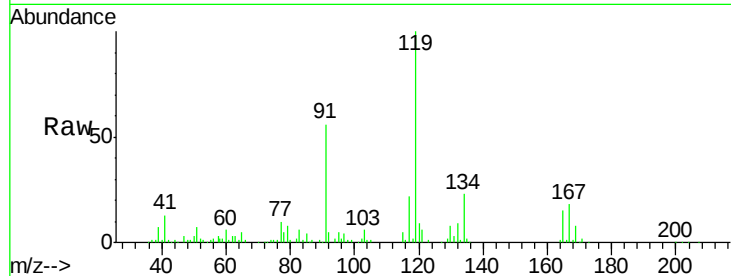
#61
 Pentachloroethane
 Concen: 1.956 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion:117 Resp: 28374
 Ion Ratio Lower Upper
 117 100
 167 86.0 70.7 106.1

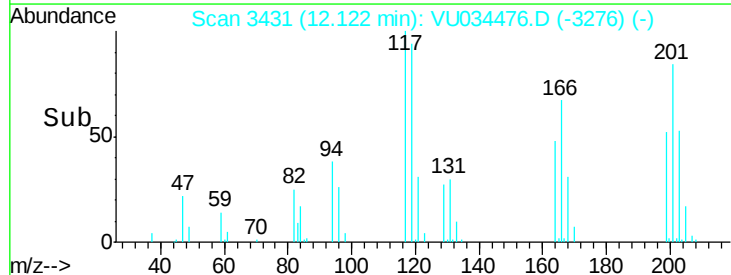
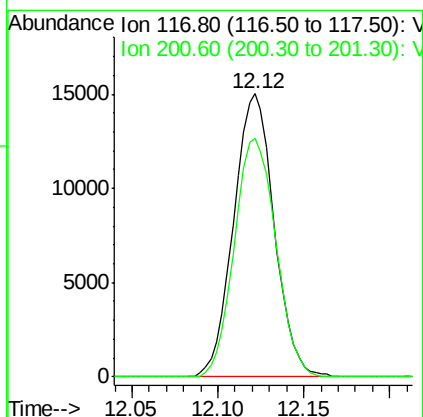
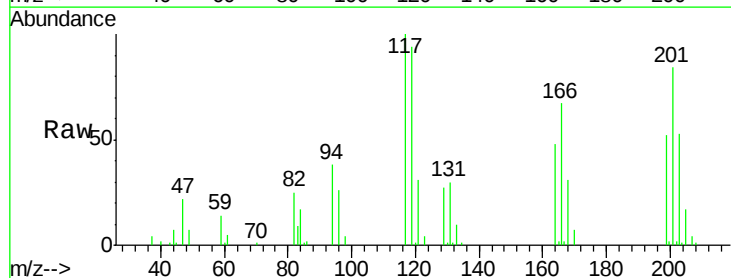
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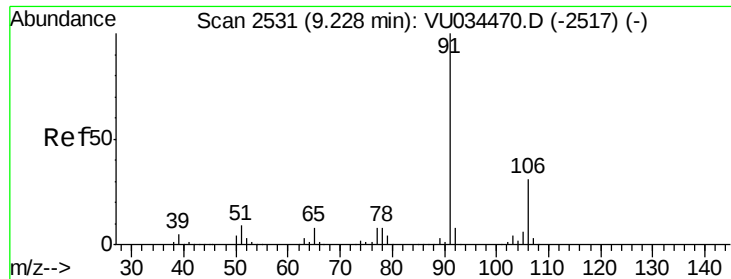
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#62
 Hexachloroethane
 Concen: 1.907 ug/l
 RT: 12.12 min Scan# 3431
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion:117 Resp: 24566
 Ion Ratio Lower Upper
 117 100
 201 86.0 71.8 107.8





#63

Ethyl Benzene

Concen: 1.826 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion: 91 Resp: 141683

Ion Ratio Lower Upper

91 100

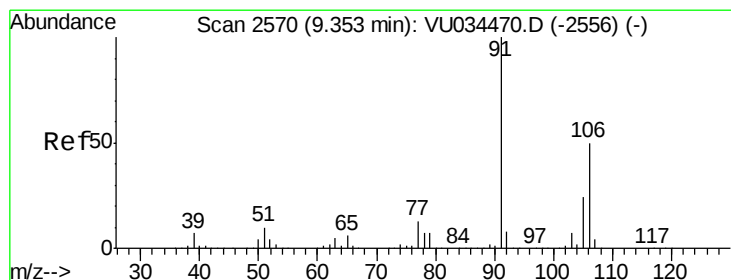
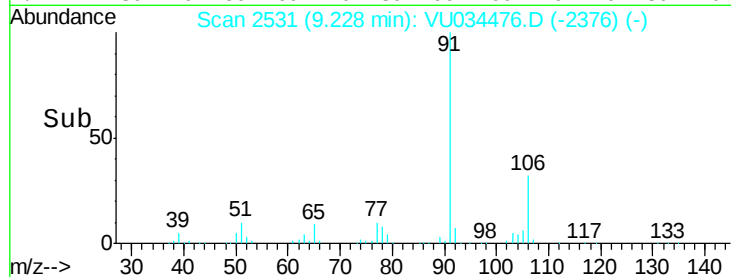
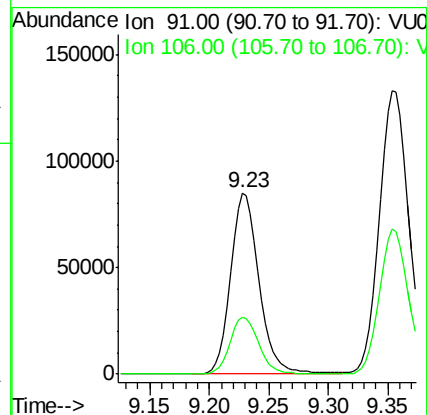
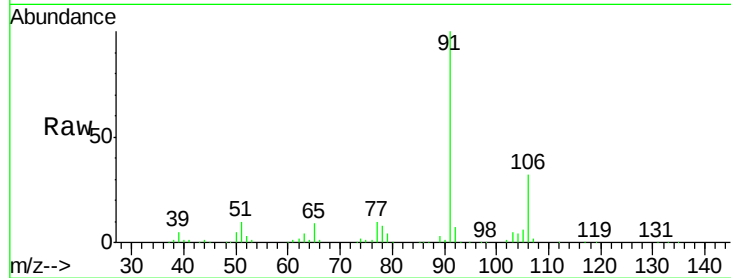
106 31.7 25.2 37.8

Manual Integrations

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#64

m/p-Xylenes

Concen: 3.717 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034476.D

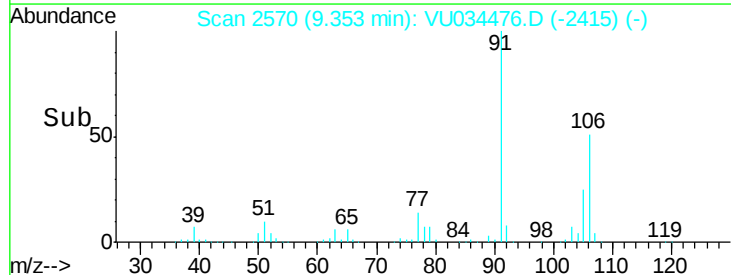
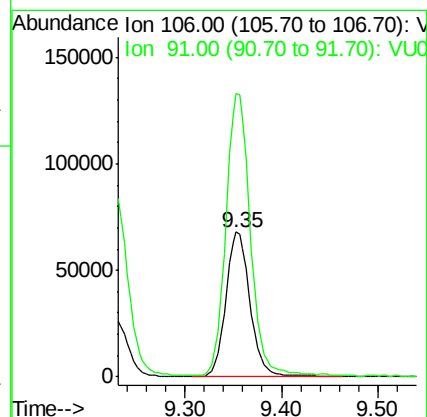
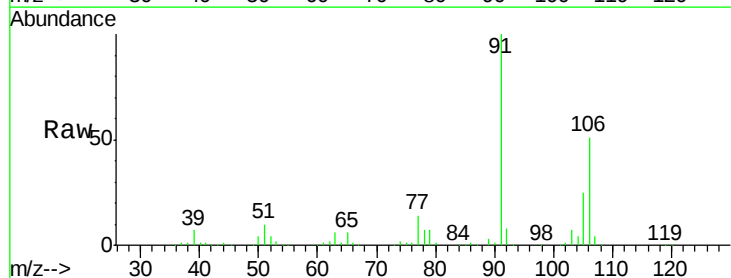
Acq: 11 Sep 2019 14:50

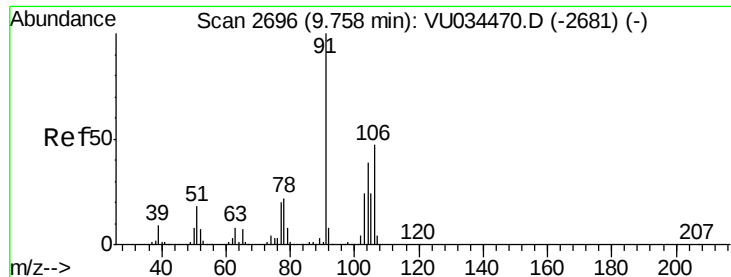
Tgt Ion: 106 Resp: 116831

Ion Ratio Lower Upper

106 100

91 197.1 161.8 242.6





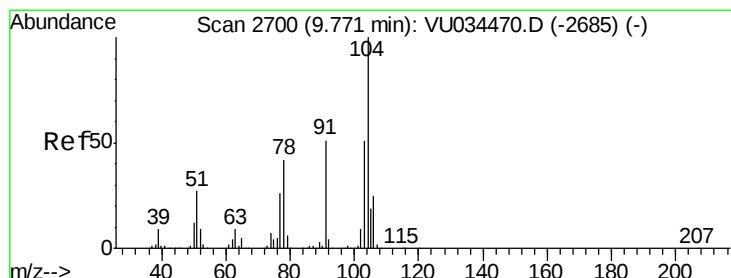
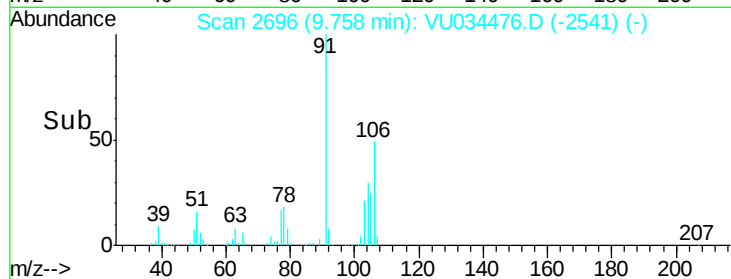
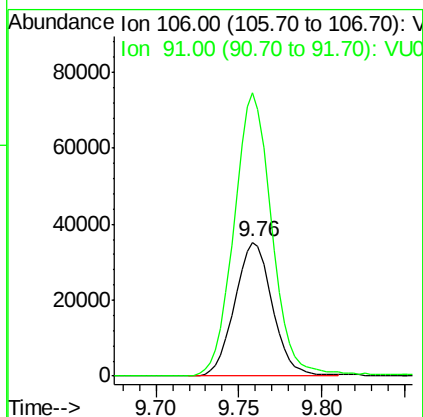
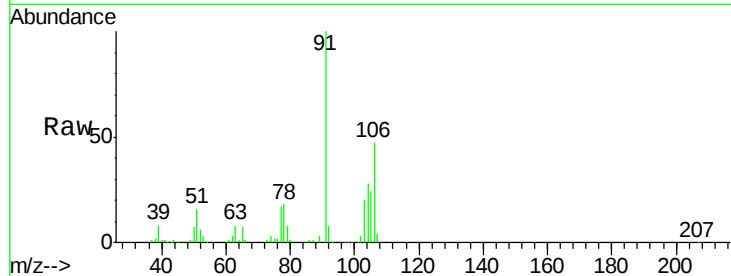
#65
o-Xylene
Concen: 1.866 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion:106 Resp: 55873
Ion Ratio Lower Upper
106 100
91 212.6 104.7 313.9

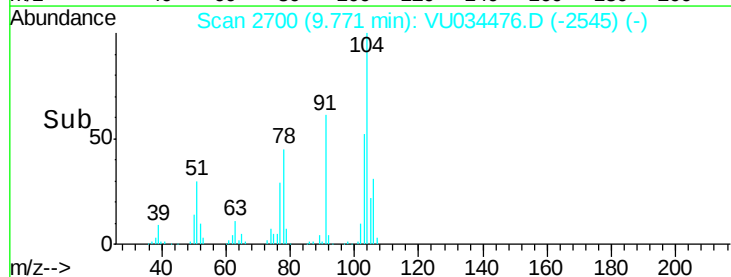
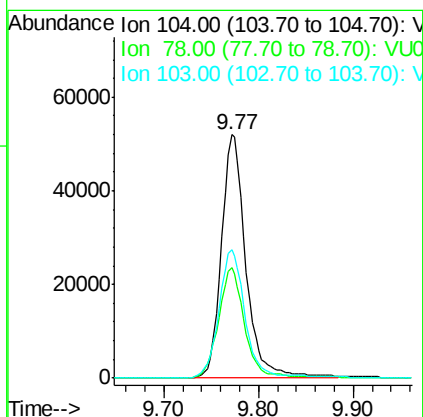
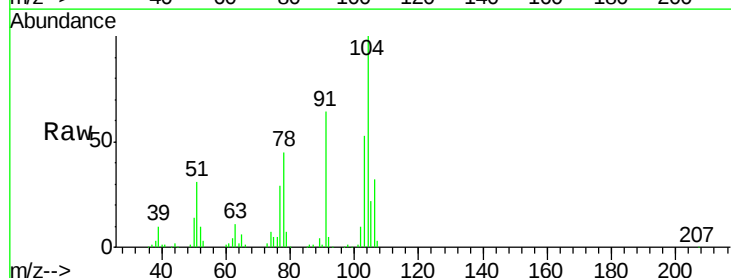
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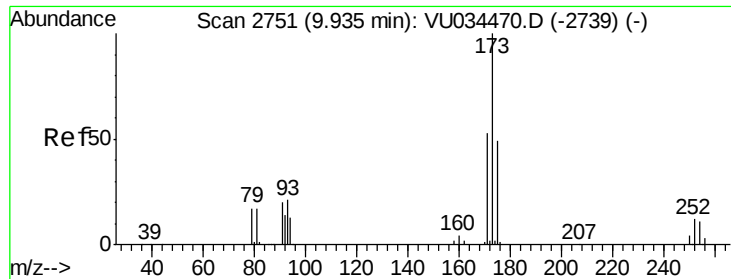
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#66
Styrene
Concen: 1.871 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion:104 Resp: 93801
Ion Ratio Lower Upper
104 100
78 48.2 37.8 56.6
103 55.3 43.8 65.8





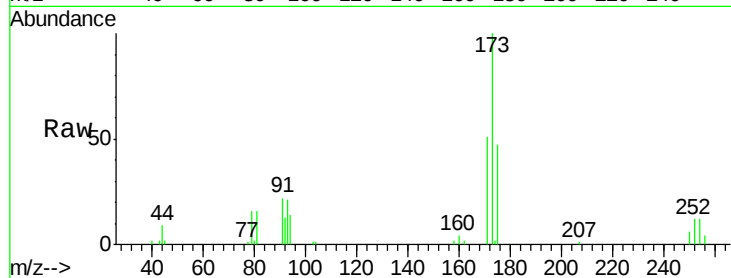
#67
Bromoform
Concen: 2.044 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

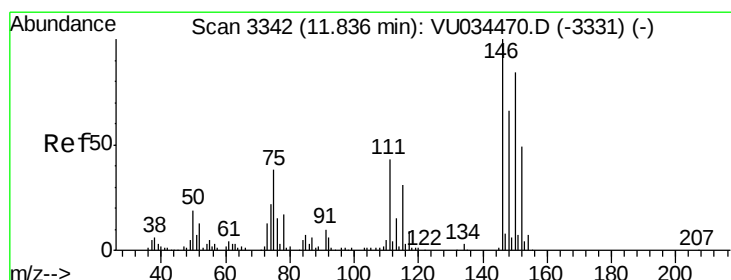
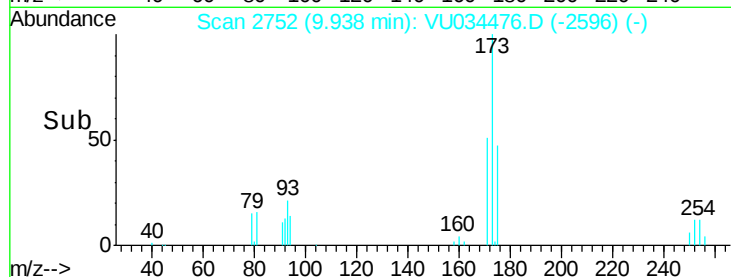
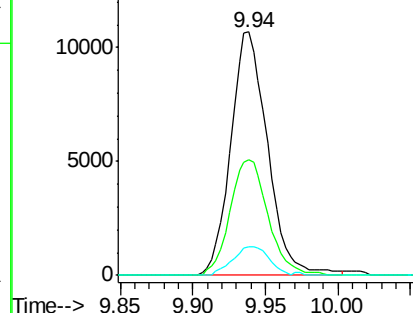
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.1	58.7
254	11.6	8.6	13.0

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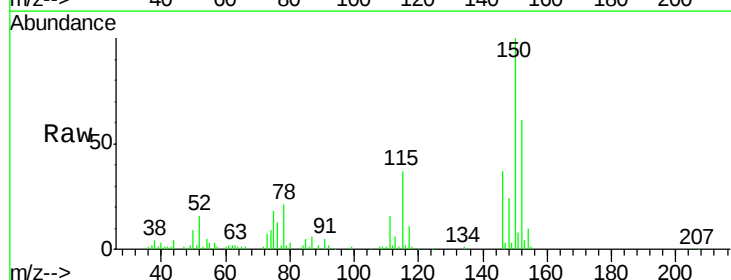


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

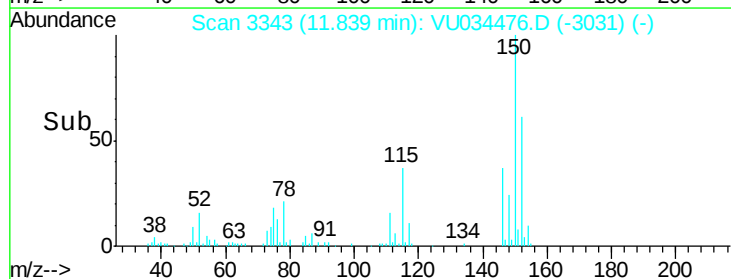
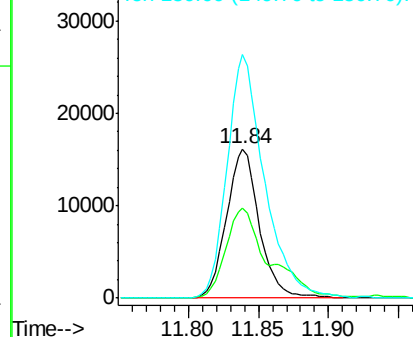


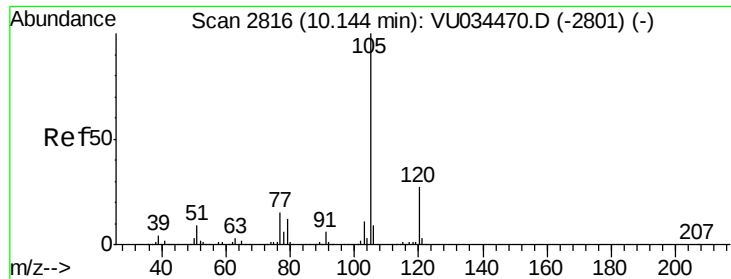
#68
1,2-Dichlorobenzene-d4
Concen: 1.008 ug/l
RT: 11.84 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.6	0.0	126.6
150	186.4	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: 1.900 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion: 105 Resp: 148287

Ion Ratio Lower Upper

105 100

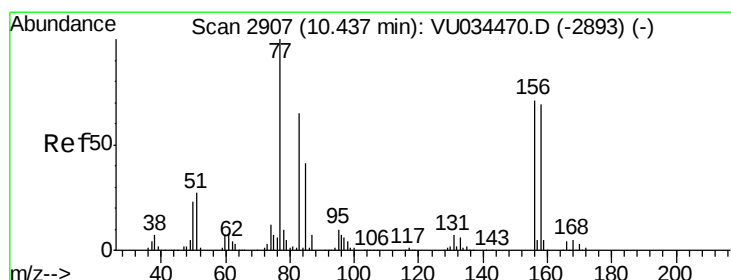
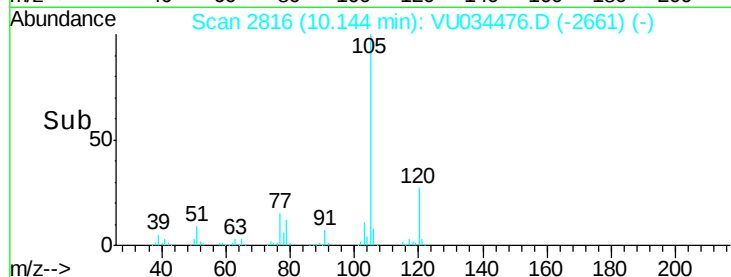
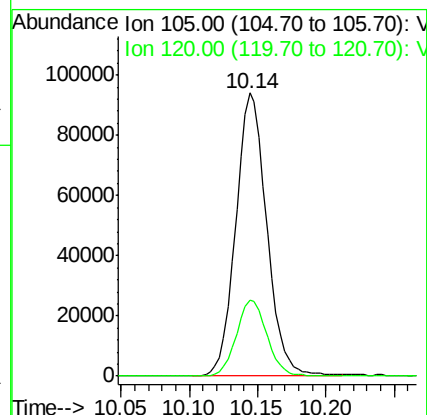
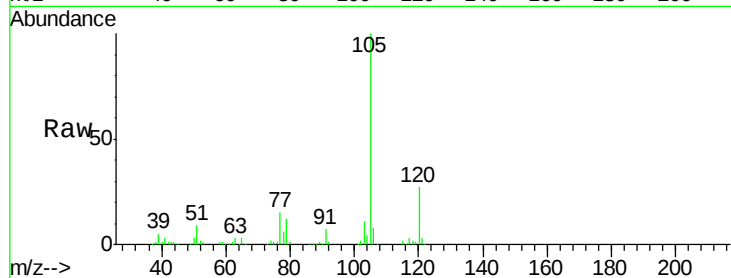
120 26.5 13.4 40.2

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.053 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

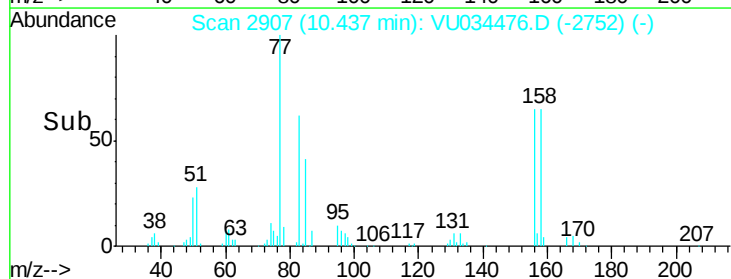
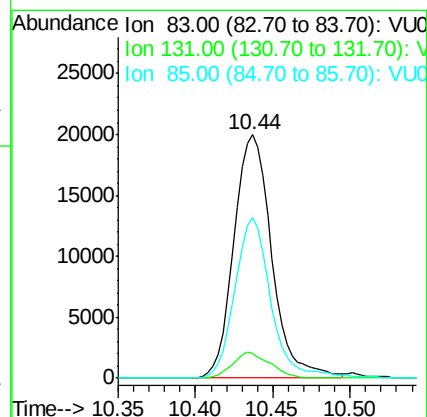
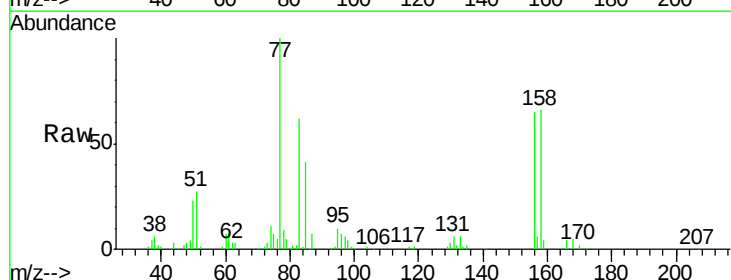
Tgt Ion: 83 Resp: 33967

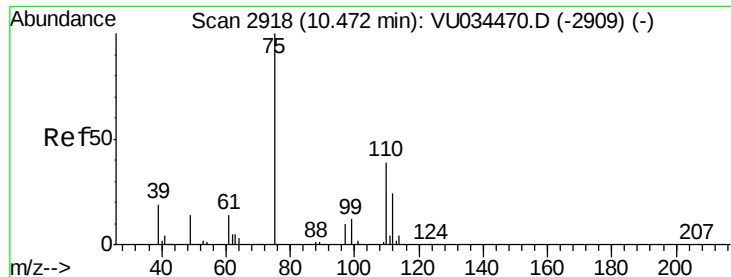
Ion Ratio Lower Upper

83 100

131 10.5 8.2 12.4

85 62.9 51.9 77.9





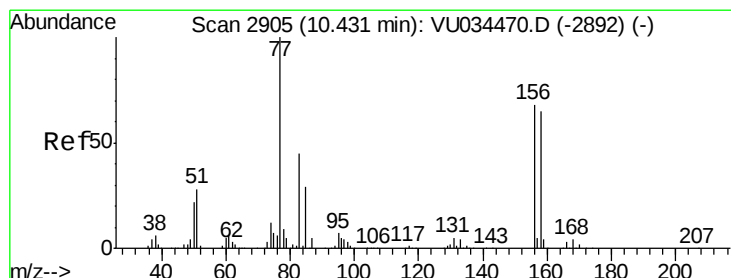
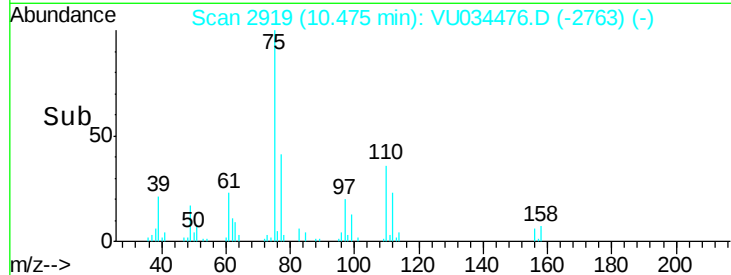
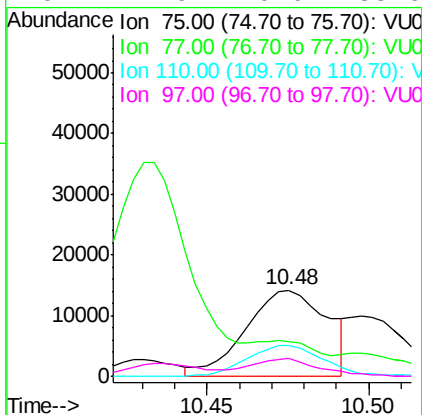
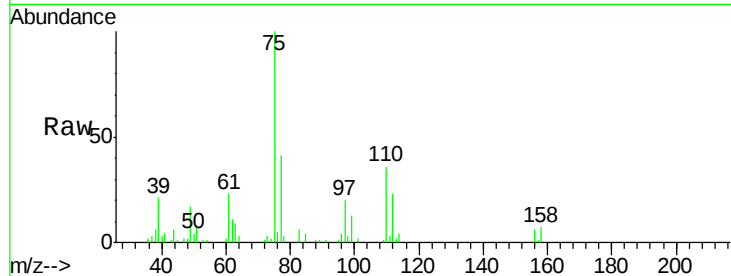
#71
 1,2,3-Trichloropropane
 Concen: 2.110 ug/l m
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampled :
 VU0911WBSD01

Tot Ion:	75	Resp:	24838
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	33.6	0.0	66.8
97	17.6	0.0	35.6

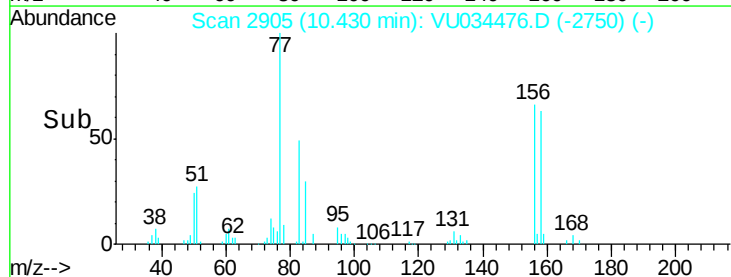
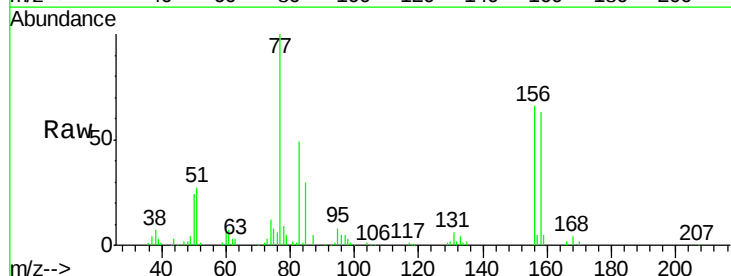
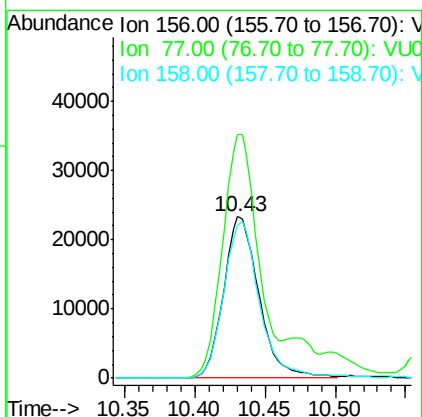
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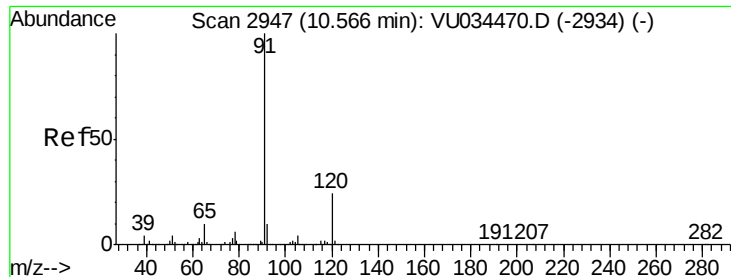
MMDadoda
 9/12/2019 4:53:49 PM



#72
 Bromobenzene
 Concen: 1.938 ug/l
 RT: 10.43 min Scan# 2905
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion:	156	Resp:	41020
Ion Ratio	Lower	Upper	
156	100		
77	150.5	0.0	293.6
158	97.0	0.0	192.6





#73

n-propylbenzene

Concen: 2.037 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion:120 Resp: 46068

Ion Ratio Lower Upper

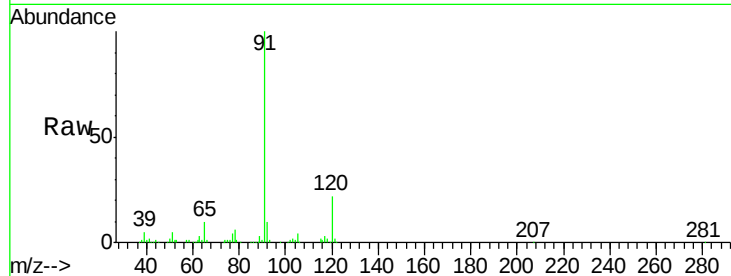
120 100

91 432.2 339.1 508.7

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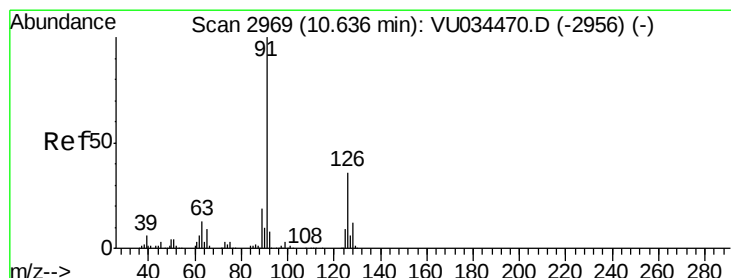
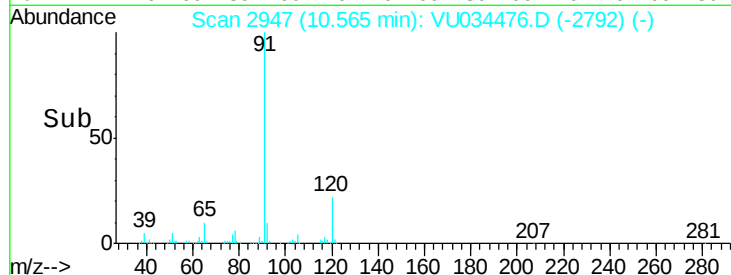
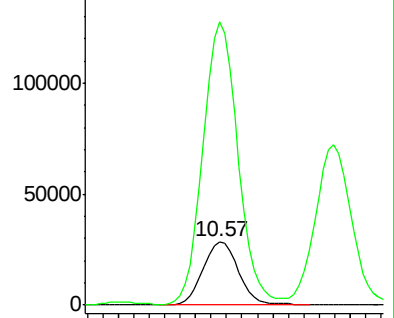
MMDadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.997 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034476.D

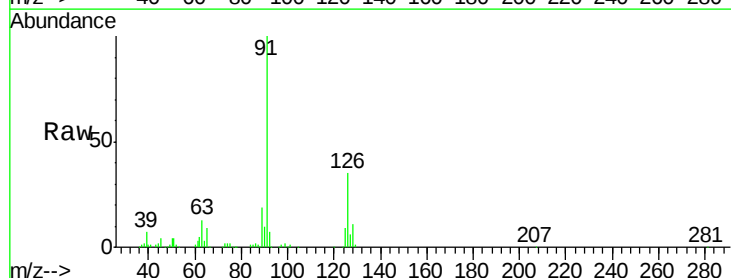
Acq: 11 Sep 2019 14:50

Tgt Ion:126 Resp: 40622

Ion Ratio Lower Upper

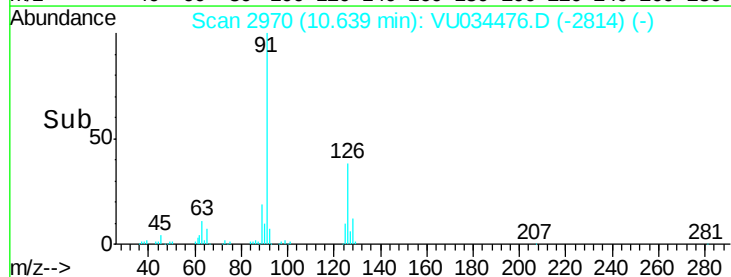
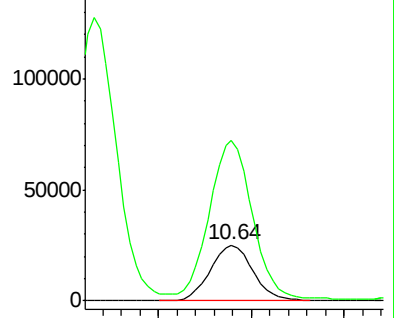
126 100

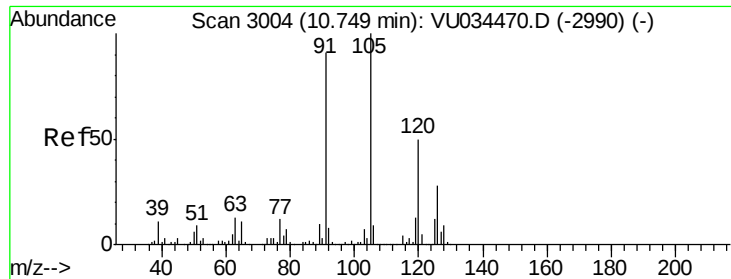
91 289.7 0.0 582.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.903 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion:105 Resp: 133396

Ion Ratio Lower Upper

105 100

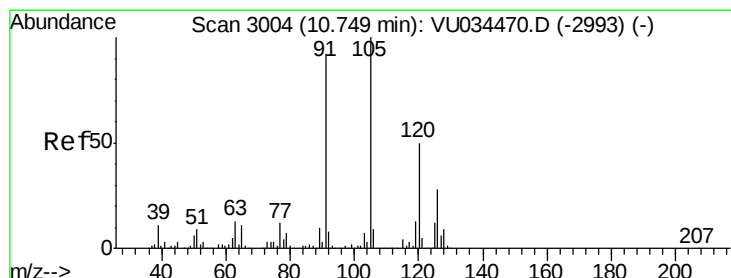
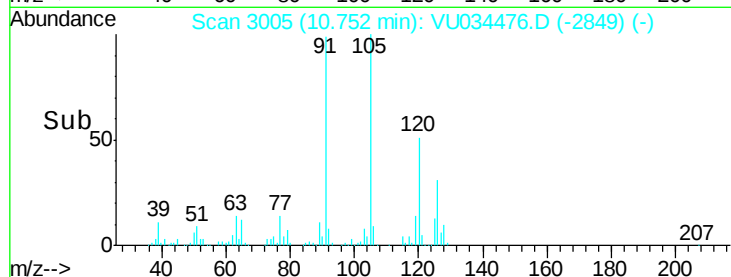
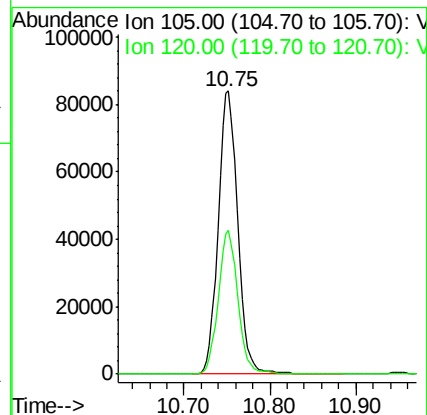
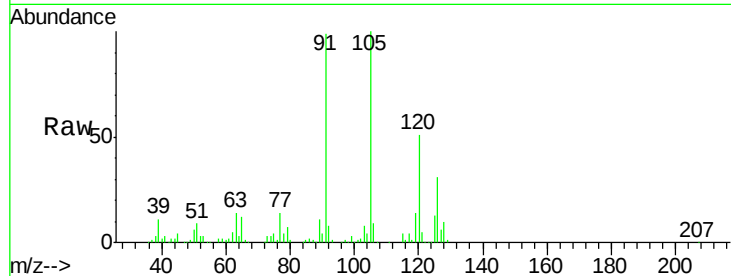
120 50.9 39.8 59.8

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#76

4-Chlorotoluene

Concen: 1.985 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034476.D

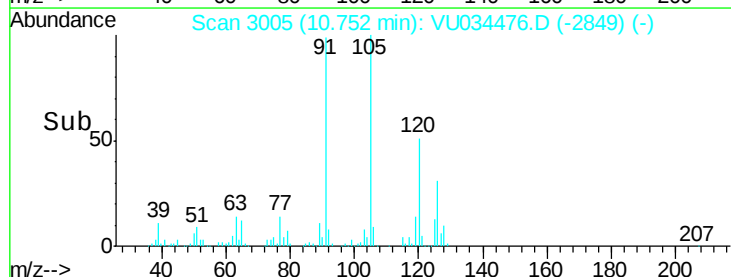
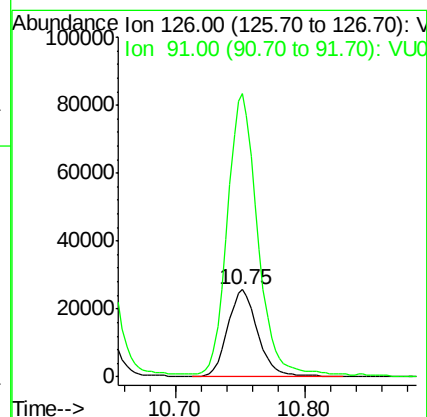
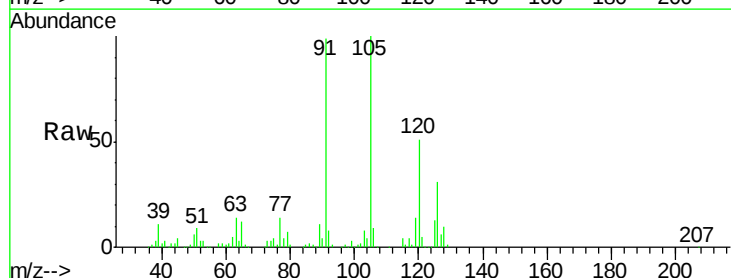
Acq: 11 Sep 2019 14:50

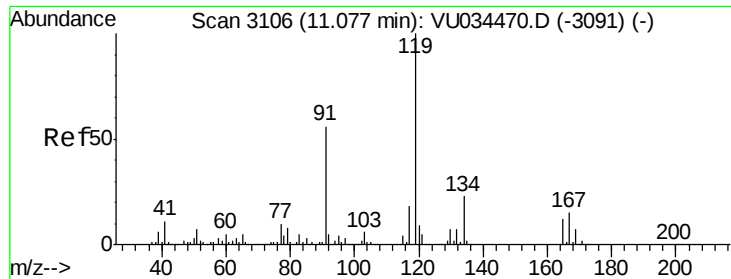
Tgt Ion:126 Resp: 40895

Ion Ratio Lower Upper

126 100

91 327.3 0.0 667.6





#77

tert-Butylbenzene

Concen: 1.904 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

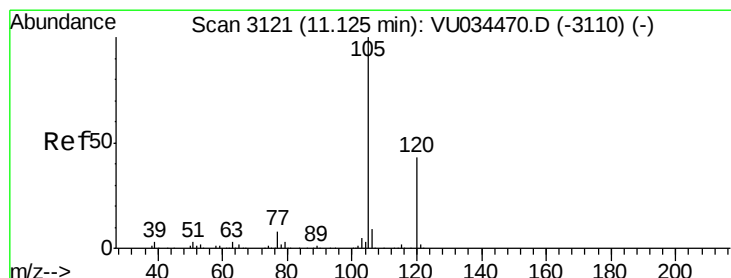
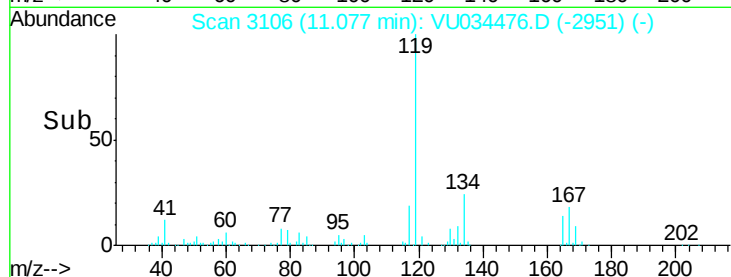
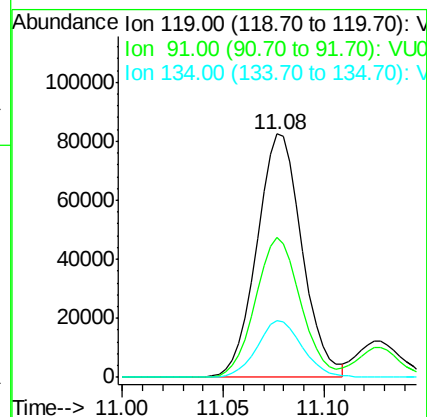
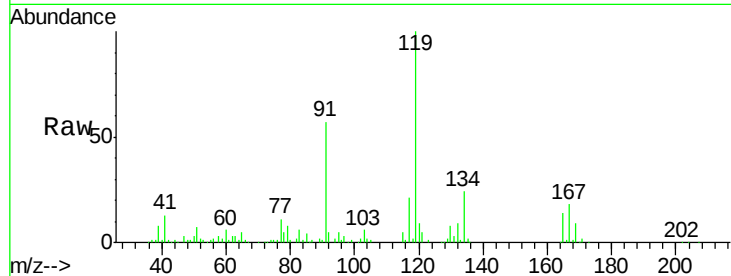
ClientSampleId :

VU0911WBSD01

Tot Ion:	119	Resp:	129346
Ion Ratio	Lower	Upper	
119	100		
91	57.3	27.8	83.3
134	23.5	18.4	27.6

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 1.854 ug/l

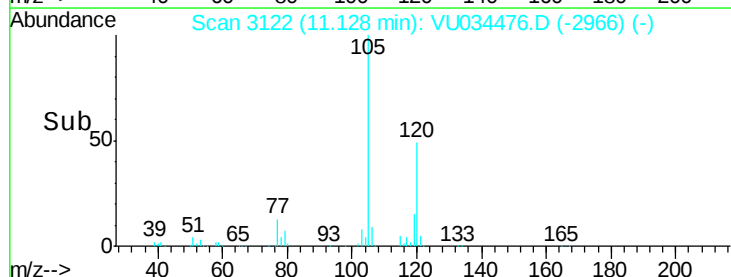
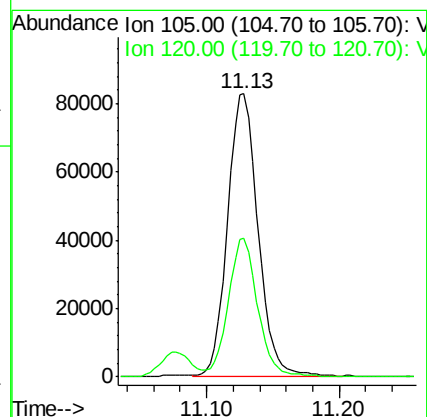
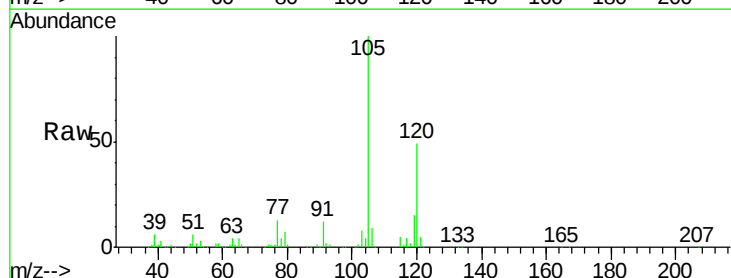
RT: 11.13 min Scan# 3122

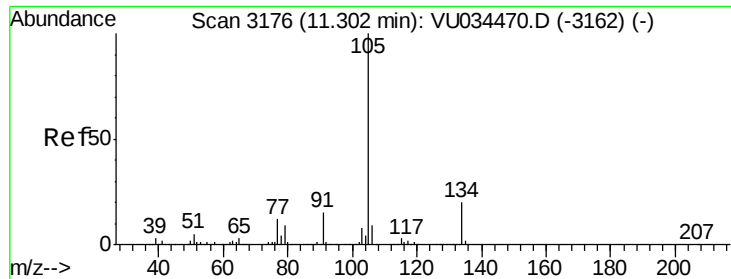
Delta R.T. 0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Tgt Ion:	105	Resp:	131245
Ion Ratio	Lower	Upper	
105	100		
120	48.0	23.1	69.2





#79

sec-Butylbenzene

Concen: 1.930 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion: 105 Resp: 176460

Ion Ratio Lower Upper

105 100

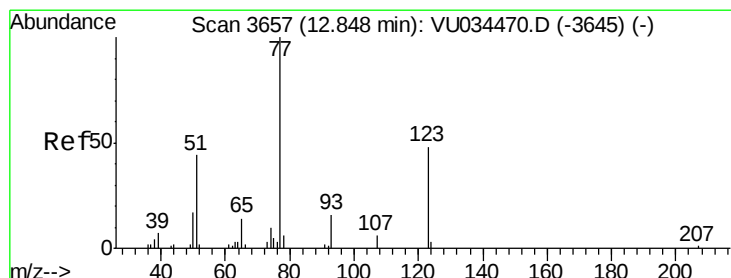
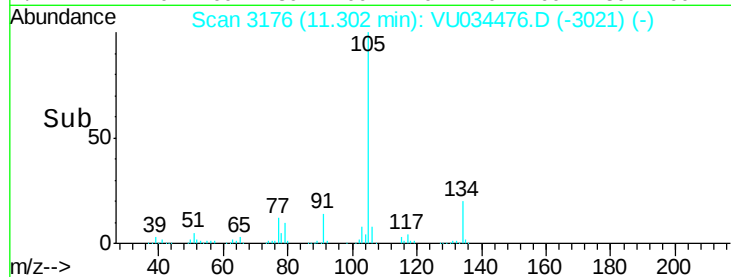
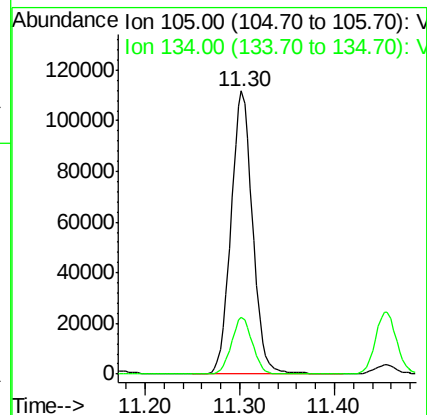
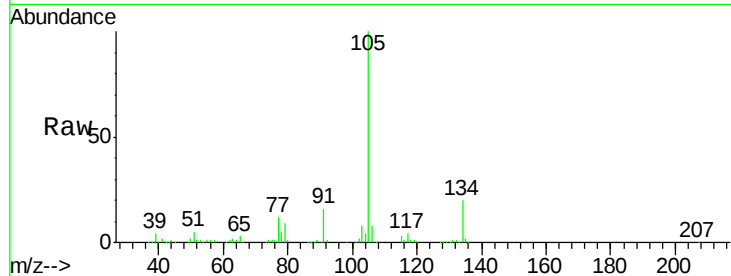
134 19.6 16.3 24.5

Manual Integrations

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#80

Nitrobenzene

Concen: 5.049 ug/l m

RT: 12.87 min Scan# 3664

Delta R.T. 0.02 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

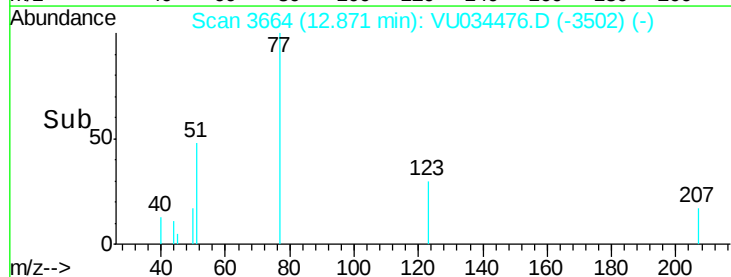
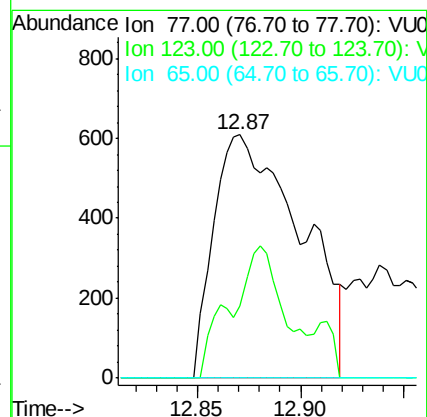
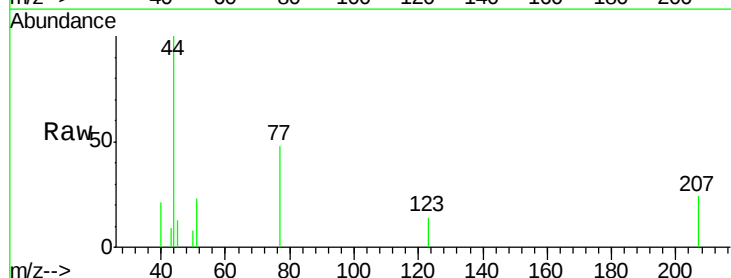
Tgt Ion: 77 Resp: 1783

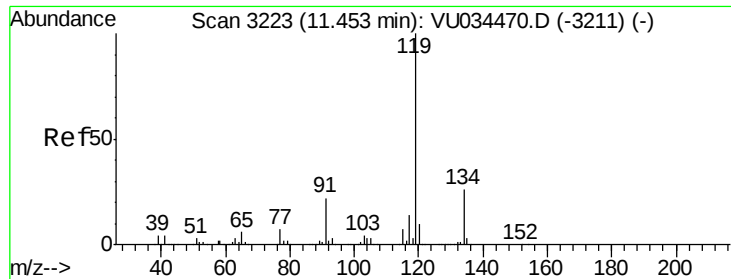
Ion Ratio Lower Upper

77 100

123 9.3 19.0 67.4#

65 0.0 8.5 10.9#





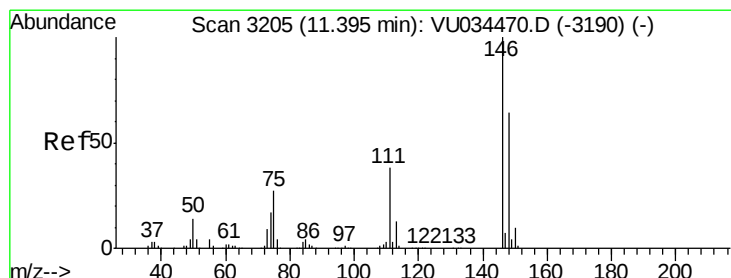
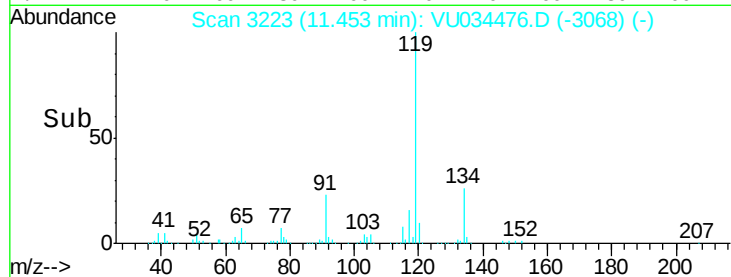
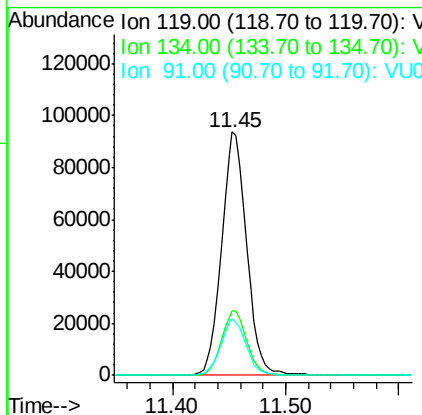
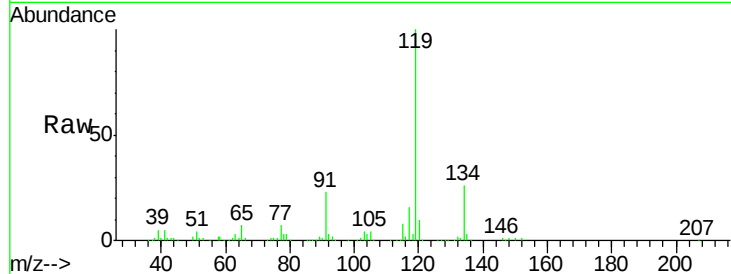
#81
 p-Isopropyltoluene
 Concen: 1.874 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	142956		
134	26.9		21.2	31.8
91	23.2		17.6	26.4

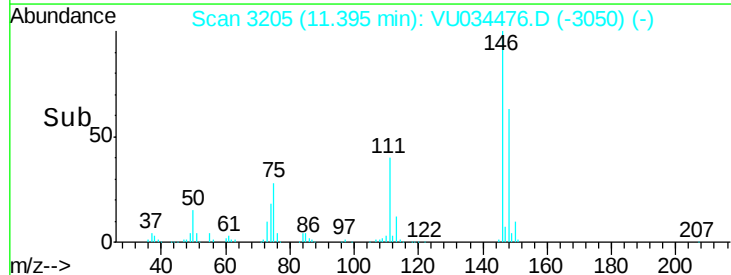
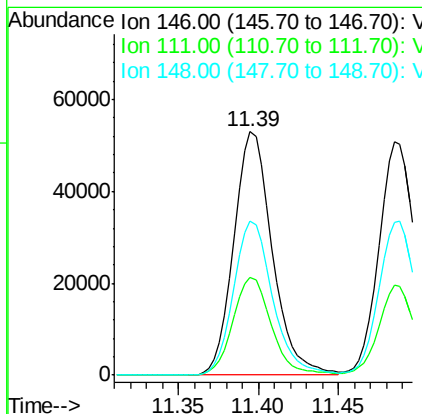
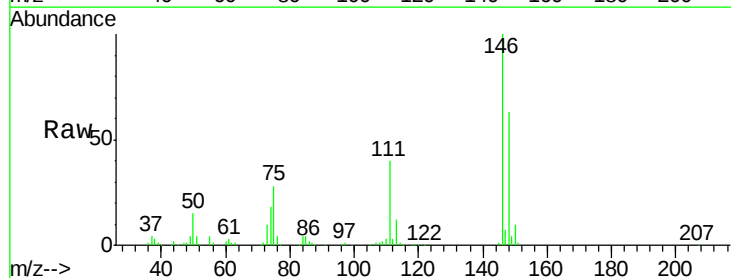
Manual Integrations
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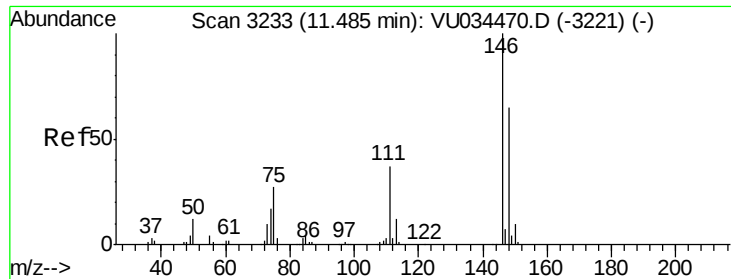
MMDadoda
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#82
 1,3-Dichlorobenzene
 Concen: 1.980 ug/l
 RT: 11.39 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	86984		
111	40.1		31.0	46.6
148	64.2		51.5	77.3





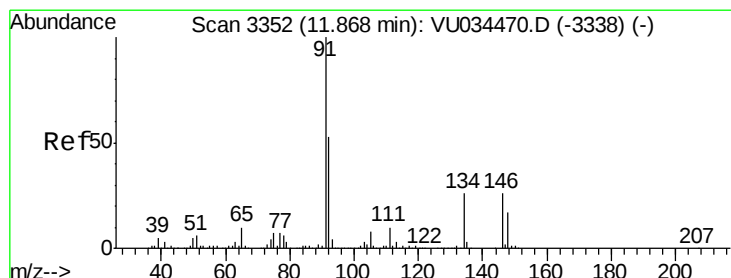
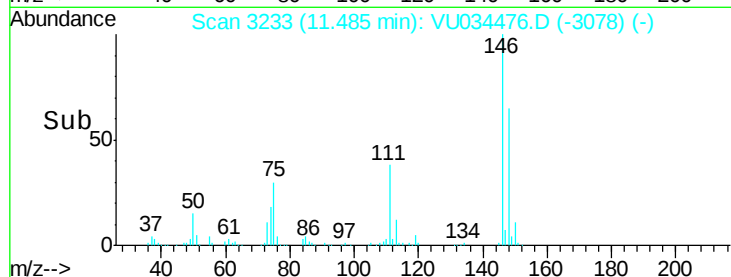
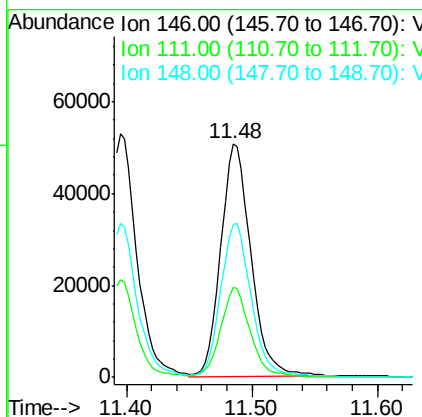
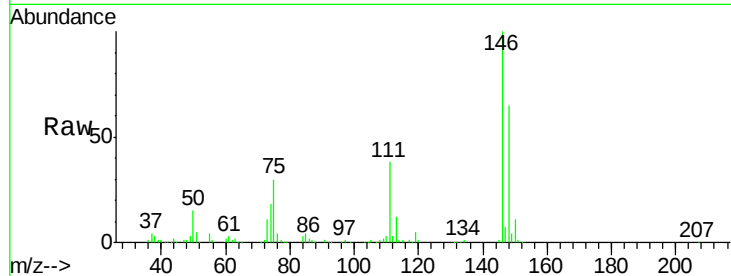
#83
 1,4-Dichlorobenzene
 Concen: 1.941 ug/l
 RT: 11.48 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampled :
 VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	29.5	44.3
148	66.7	51.0	76.4

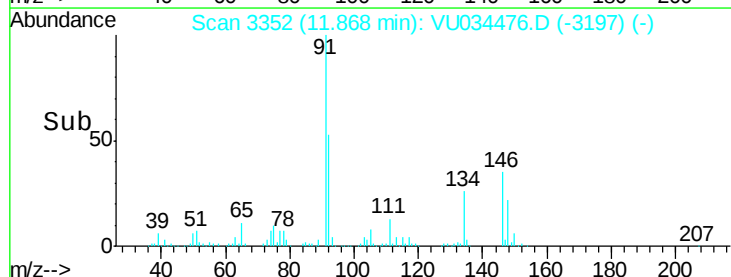
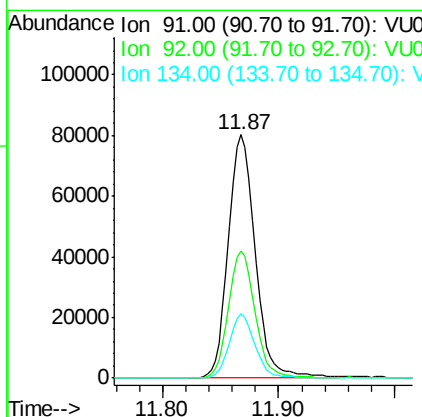
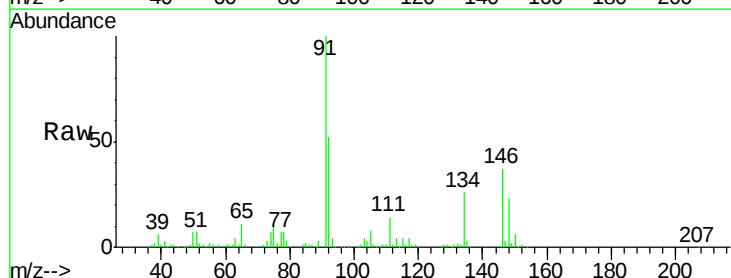
Manual Integrations
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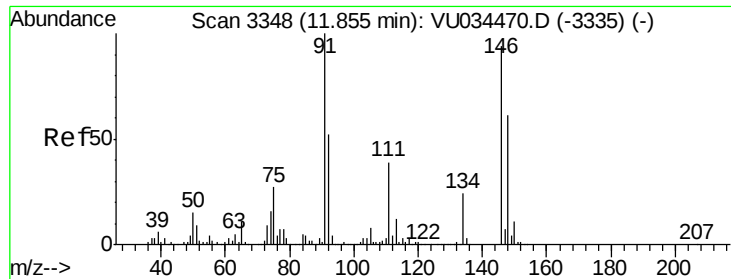
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#84
 n-Butylbenzene
 Concen: 1.841 ug/l
 RT: 11.87 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.3	42.4	63.6
134	24.9	21.0	31.4





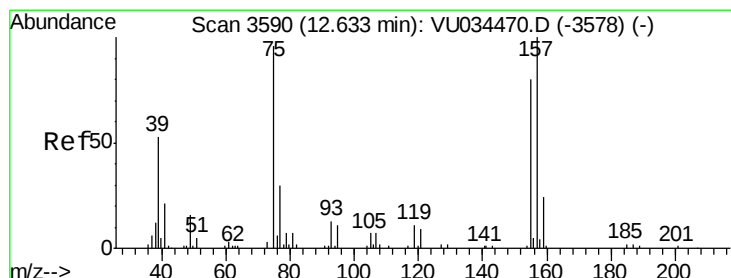
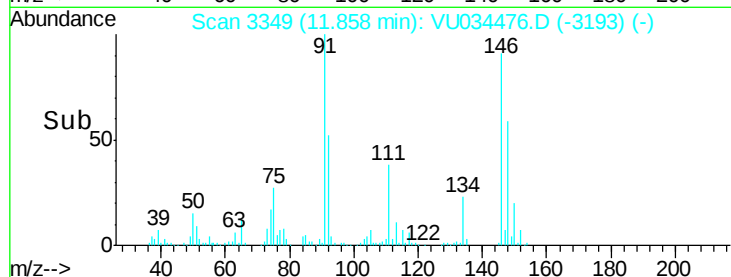
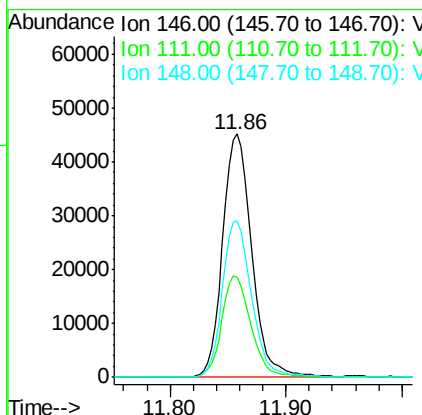
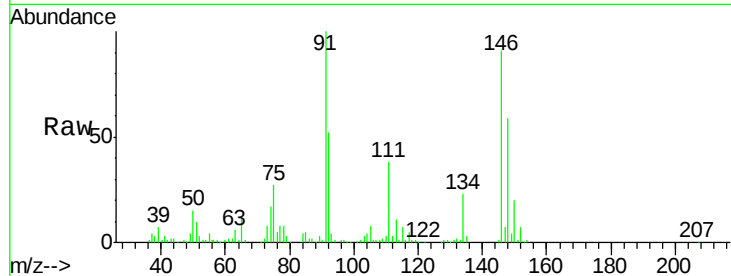
#85
 1,2-Dichlorobenzene
 Concen: 1.973 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	60.8
148	64.7	32.2	96.6

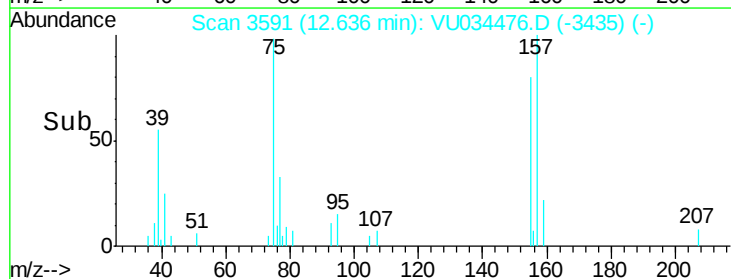
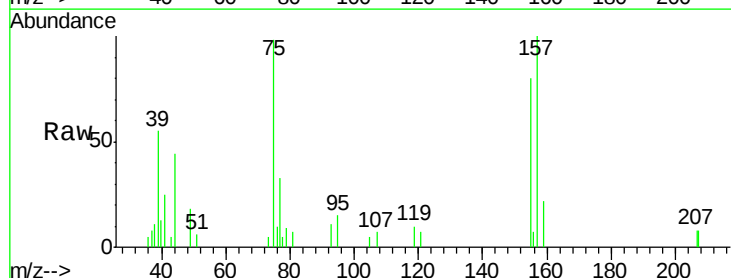
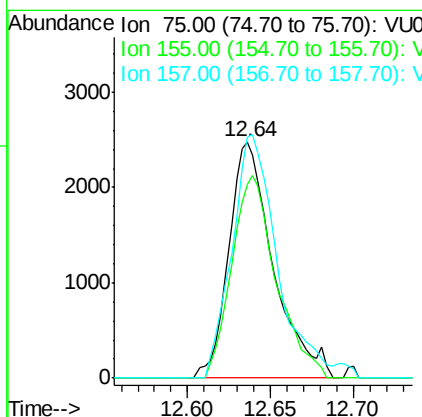
Manual Integrations
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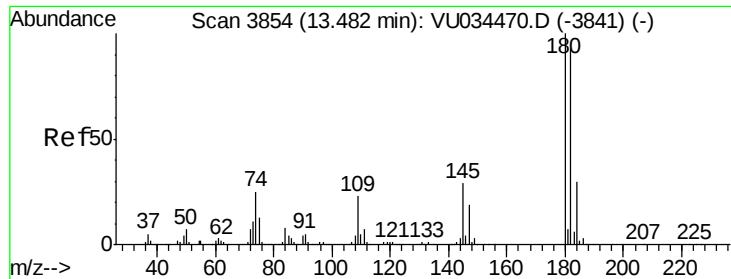
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.091 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034476.D
 Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	68.9	103.3
157	105.0	89.9	134.9





#87

1,2,4-Trichlorobenzene

Concen: 1.746 ug/l

RT: 13.48 min Scan# 3855

Delta R.T. 0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU0911WBSD01

Tot Ion:180 Resp: 40118

Ion Ratio Lower Upper

180 100

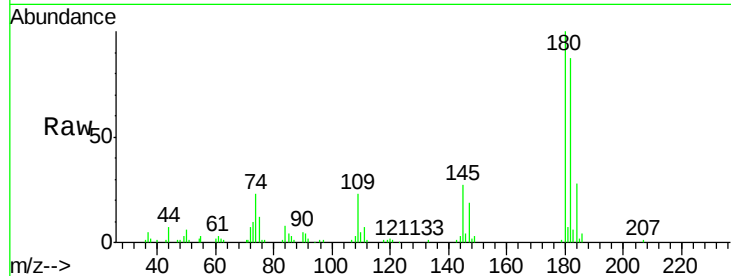
182 94.2 76.6 114.8

145 28.5 23.0 34.6

Manual Integrations
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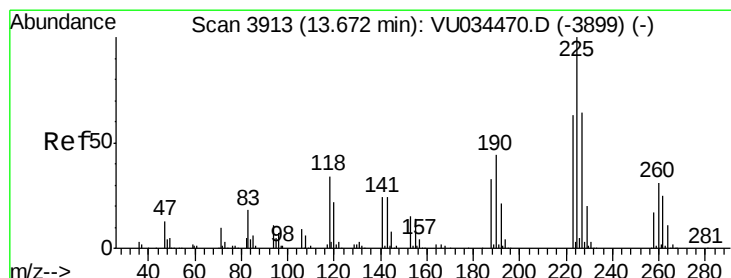
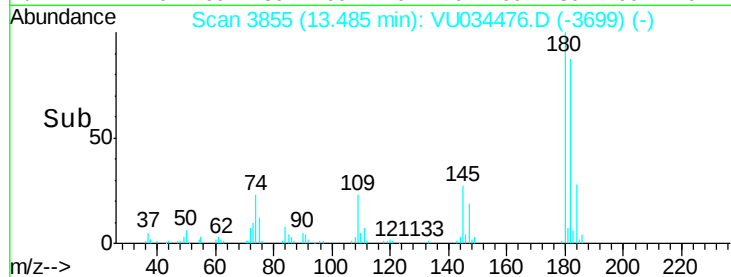
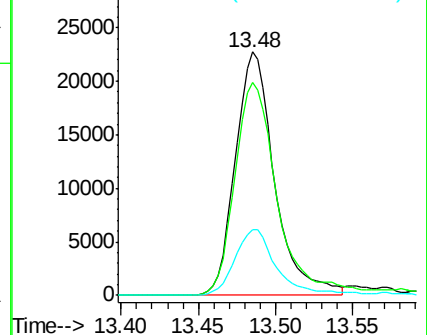
9/12/2019 4:53:49 PM



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 1.935 ug/l

RT: 13.67 min Scan# 3913

Delta R.T. -0.00 min

Lab File: VU034476.D

Acq: 11 Sep 2019 14:50

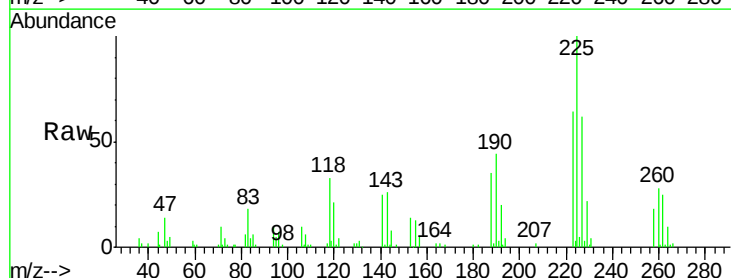
Tgt Ion:225 Resp: 33877

Ion Ratio Lower Upper

225 100

223 64.3 50.3 75.5

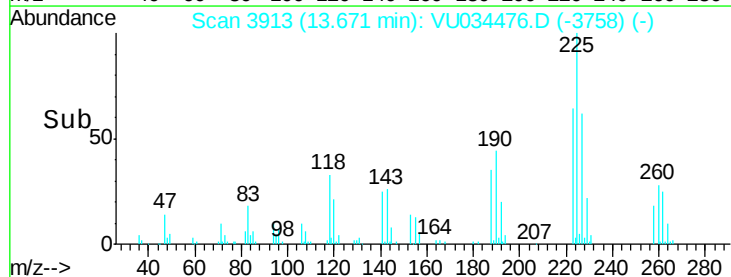
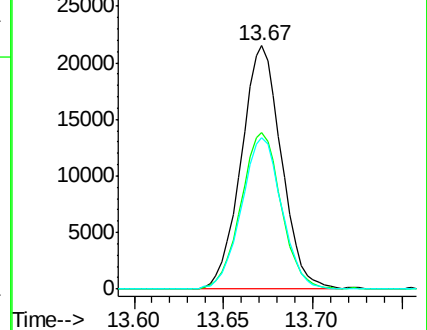
227 62.4 51.1 76.7

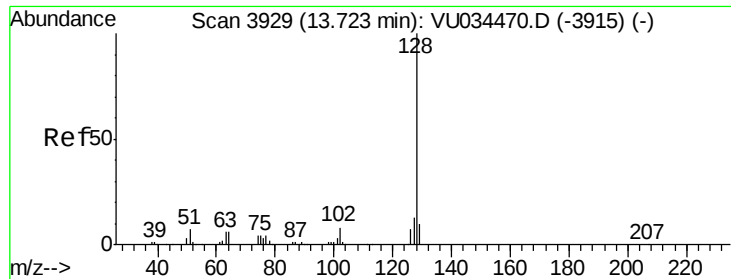


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





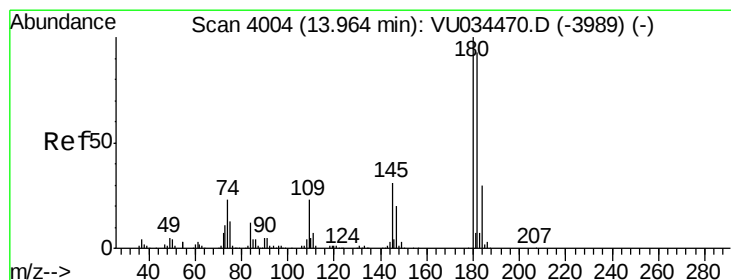
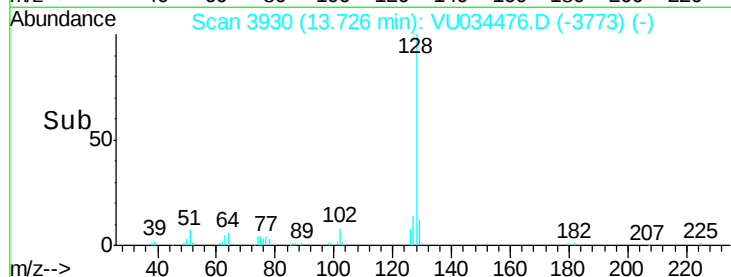
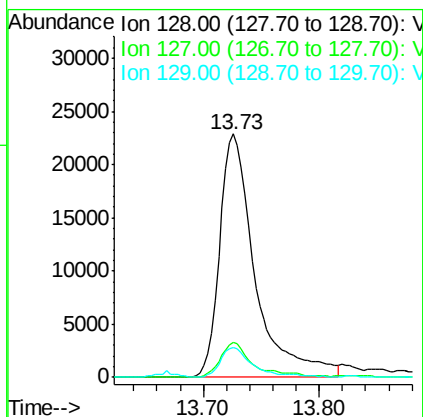
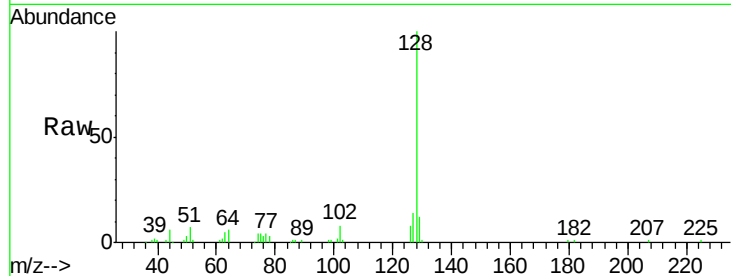
#89
Naphthalene
Concen: 1.891 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU0911WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.2	8.0	12.0

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#90
1,2,3-Trichlorobenzene
Concen: 1.818 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.01 min
Lab File: VU034476.D
Acq: 11 Sep 2019 14:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.4	75.4	113.2
145	29.7	24.5	36.7

