

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091119\
 Data File : VU034470.D
 Acq On : 11 Sep 2019 11:34
 Operator : JC/SP
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Sep 12 02:45:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 12 02:05:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	66111	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	26114	1.02	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	27461	1.02	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	235162	8.728	ug/l	100
3) Chloromethane	1.33	50	248944	8.393	ug/l	100
4) Vinyl Chloride	1.40	62	256626	7.852	ug/l	100
5) Bromomethane	1.62	94	143328	7.030	ug/l	100
6) Chloroethane	1.69	64	147609	6.673	ug/l	100
7) Trichlorofluoromethane	1.88	101	312584	7.065	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	169358	7.355	ug/l	100
9) 1,1-Dichloroethene	2.28	96	170796	7.524	ug/l	100
10) Iodomethane	2.40	142	201320	6.786	ug/l	100
11) Allyl Chloride	2.58	41	283524	7.572	ug/l	100
12) Acrylonitrile	2.92	53	70281	11.405	ug/l	100
13) Acetone	2.31	43	146698	27.790	ug/l	100
14) Carbon Disulfide	2.47	76	601459	7.028	ug/l	100
15) Methylene Chloride	2.69	84	185104	6.100	ug/l	100
16) trans-1,2-Dichloroethene	2.96	96	187213	6.985	ug/l	100
17) 1,1-Dichloroethane	3.42	63	366865	9.697	ug/l	100
18) 2-Butanone	4.25	43	242330	46.246	ug/l	100
19) Cyclohexane	4.97	56	321514m	11.436	ug/l	100
20) Methylcyclohexane	6.39	83	335230	11.838	ug/l	100
21) 2,2-Dichloropropane	4.20	77	302904	9.427	ug/l	100
22) cis-1,2-Dichloroethene	4.20	96	216298	10.140	ug/l	100
23) Diethyl Ether	2.10	59	129886	6.772	ug/l	100
24) tert-Butyl Alcohol	2.82	59	134148	46.036	ug/l	100
25) Methyl tert-Butyl Ether	2.99	73	417626	6.542	ug/l	100
26) Bromochloromethane	4.52	128	88347	9.505	ug/l	100
27) Chloroform	4.65	83	354516	8.328	ug/l	100
28) 1,1,1-Trichloroethane	4.89	97	301982	9.175	ug/l	100
29) 1,1-Dichloropropene	5.11	75	273465	10.002	ug/l	100
30) Carbon Tetrachloride	5.11	117	272507	9.372	ug/l	100
31) Isopropyl Ether	3.56	45	553185	11.322	ug/l	100
32) Ethyl-t-butyl ether	4.05	59	480979	10.470	ug/l	100
33) Tert-Amyl methyl ether	5.56	73	415430	10.244	ug/l	100
34) Propionitrile	4.31	54	67810	45.777	ug/l	100
35) Benzene	5.37	78	808179	10.175	ug/l	100
36) 1,2-Dichloroethane	5.38	62	205165	8.051	ug/l	100
37) Trichloroethene	6.16	130	224599	10.596	ug/l	100
38) 1,2-Dichloropropane	6.41	63	210597	9.674	ug/l	100
39) Methacrylonitrile	4.53	41	54652	9.180	ug/l	100
40) Methyl acrylate	4.41	55	88495	9.574	ug/l	100
41) Tetrahydrofuran	4.63	42	56591	19.035	ug/l	100
42) 1-Chlorobutane	5.04	56	385288	10.441	ug/l	100

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 VSTDICCC010

Manual Integrations
 APPROVED

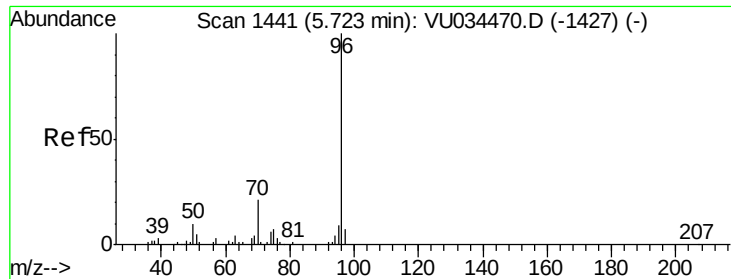
Quant Time: Sep 12 02:45:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 12 02:05:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	95689	8.173	ug/l	100
44) Bromodichloromethane	6.74	83	251763	8.785	ug/l	100
45) 4-Methyl-2-Pentanone	7.44	43	541218	45.513	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	80431m	17.077	ug/l	
47) Methyl methacrylate	6.61	69	173755	19.406	ug/l	100
48) Ethyl methacrylate	8.00	69	159630	10.055	ug/l	100
49) Toluene	7.62	92	499625	10.982	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	219706	9.254	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	277408	9.736	ug/l	100
52) 1,1,2-Trichloroethane	8.04	97	133011	8.464	ug/l	100
53) 1,3-Dichloropropane	8.22	76	231453	8.695	ug/l	100
54) 2-Hexanone	8.34	43	376440	45.135	ug/l	100
55) Dibromochloromethane	8.46	129	169569	9.158	ug/l	100
56) 1,2-Dibromoethane	8.57	107	124895	8.540	ug/l	100
58) Tetrachloroethene	8.21	164	212215	10.980	ug/l	100
59) Chlorobenzene	9.10	112	538102	10.346	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.19	131	190962	9.678	ug/l	100
61) Pentachloroethane	11.08	117	150079	9.313	ug/l	100
62) Hexachloroethane	12.12	117	137150	8.921	ug/l	100
63) Ethyl Benzene	9.23	91	936282	11.201	ug/l	100
64) m/p-Xylenes	9.35	106	759009	22.657	ug/l	100
65) o-Xylene	9.76	106	357960	11.164	ug/l	100
66) Styrene	9.77	104	618216	11.419	ug/l	100
67) Bromoform	9.94	173	99747	9.863	ug/l	100
69) Isopropylbenzene	10.14	105	937211	11.369	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	172421	8.296	ug/l	100
71) 1,2,3-Trichloropropane	10.47	75	130591m	8.107	ug/l	
72) Bromobenzene	10.43	156	235330	10.789	ug/l	100
73) n-propylbenzene	10.57	120	275767	11.711	ug/l	100
74) 2-Chlorotoluene	10.64	126	235770	11.031	ug/l	100
75) 1,3,5-Trimethylbenzene	10.75	105	850604	11.538	ug/l	100
76) 4-Chlorotoluene	10.75	126	238221	10.761	ug/l	100
77) tert-Butylbenzene	11.08	119	806769	11.437	ug/l	100
78) 1,2,4-Trimethylbenzene	11.13	105	867714	11.535	ug/l	100
79) sec-Butylbenzene	11.30	105	1081350	11.243	ug/l	100
80) Nitrobenzene	12.85	77	22060	26.216	ug/l	100
81) p-Isopropyltoluene	11.45	119	929988	11.828	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	481580	10.418	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	481561	10.553	ug/l	100
84) n-Butylbenzene	11.87	91	853826	10.774	ug/l	100
85) 1,2-Dichlorobenzene	11.85	146	434528	10.089	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.63	75	25920	8.035	ug/l	100
87) 1,2,4-Trichlorobenzene	13.48	180	283428	11.039	ug/l	100
88) Hexachlorobutadiene	13.67	225	189625	11.543	ug/l	100
89) Naphthalene	13.72	128	407743	9.656	ug/l	100
90) 1,2,3-Trichlorobenzene	13.96	180	265090	10.699	ug/l	100

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

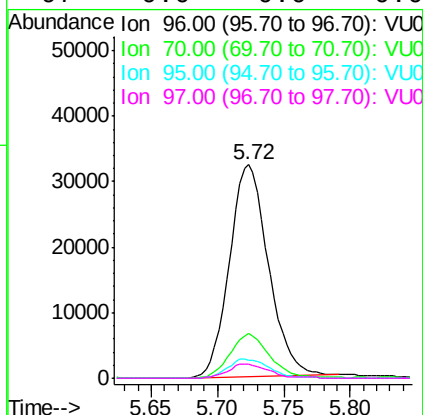
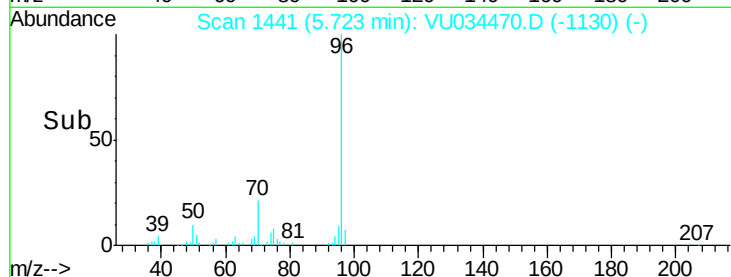
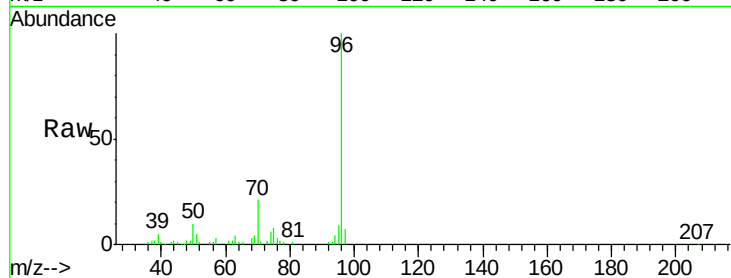


#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.72 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

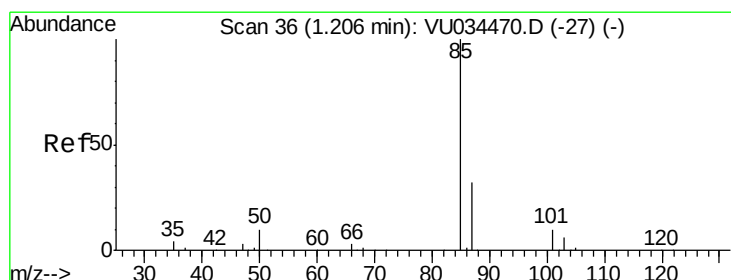
Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		66111		
70	20.6	16.5	24.7		
95	8.8	7.0	10.6		
97	0.0	0.0	0.0		

Manual Integrations
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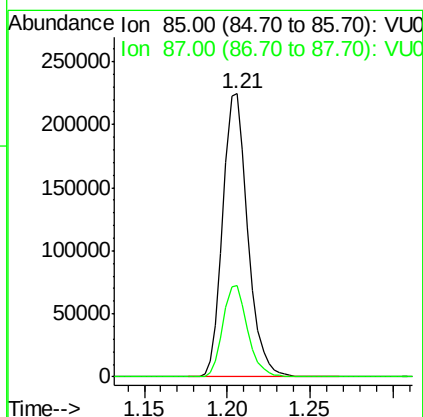
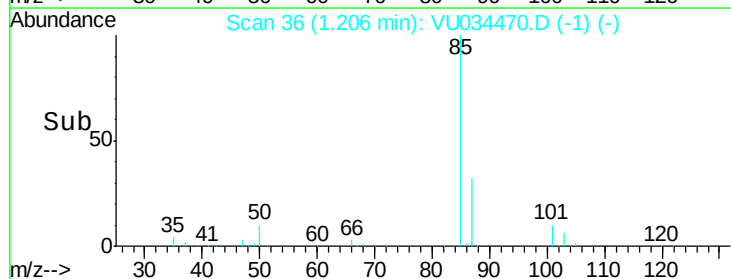
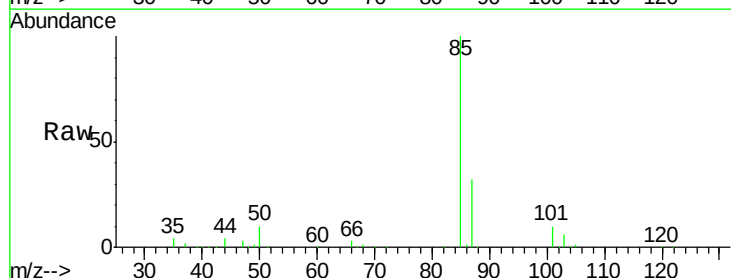
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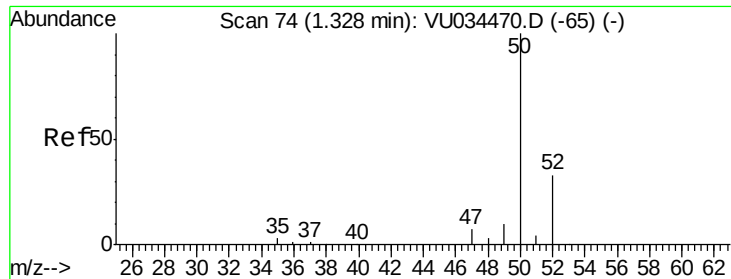
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#2
 Dichlorodifluoromethane
 Concen: 8.728 ug/l
 RT: 1.21 min Scan# 36
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		235162		
87	32.2	16.1	48.3		





#3

Chloromethane

Concen: 8.393 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

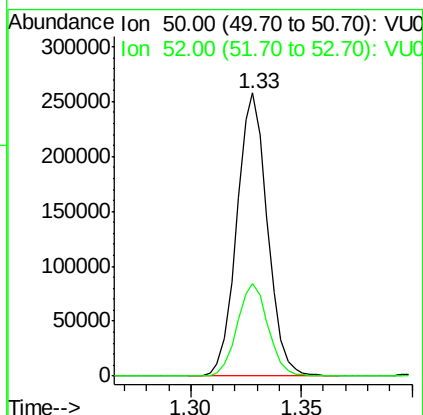
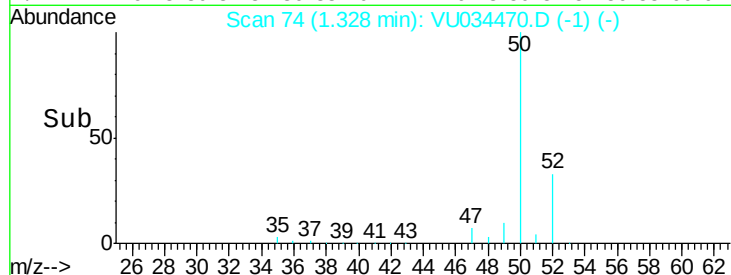
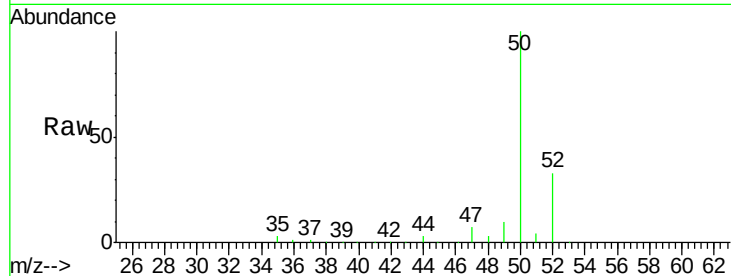
Tot Ion: 50 Resp: 248944

Ion Ratio Lower Upper

50 100

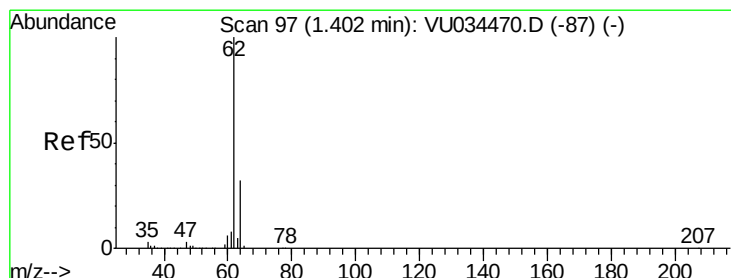
52 32.8 26.2 39.4

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#4

Vinyl Chloride

Concen: 7.852 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU034470.D

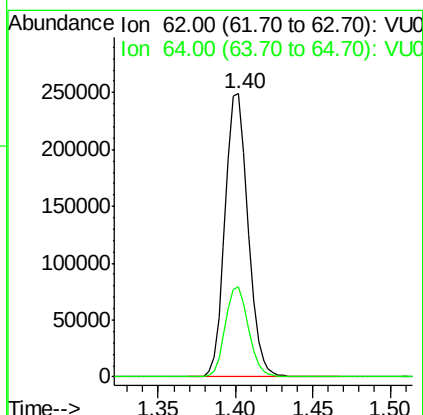
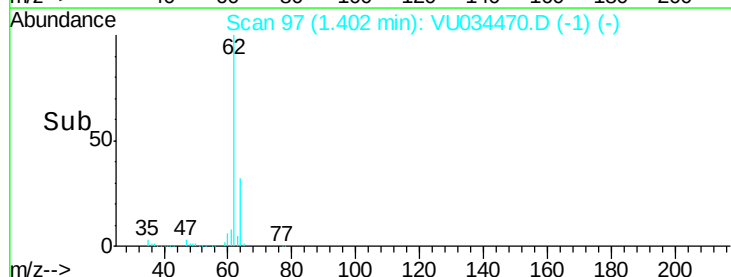
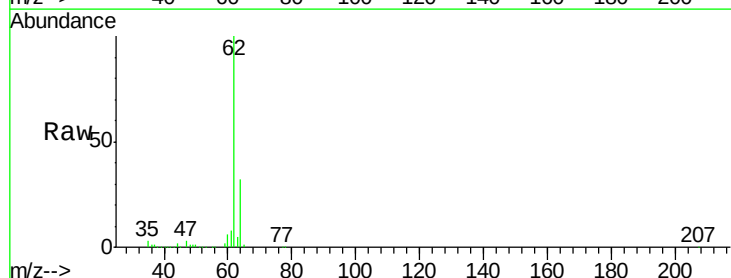
Acq: 11 Sep 2019 11:34

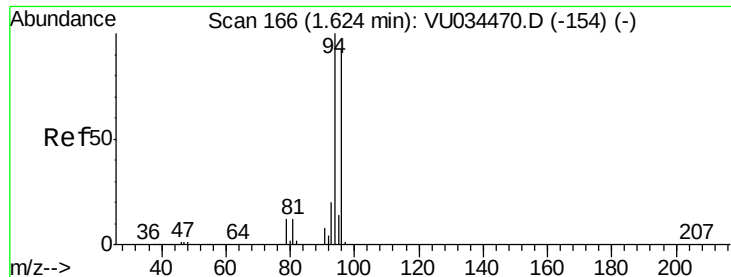
Tgt Ion: 62 Resp: 256626

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 7.030 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

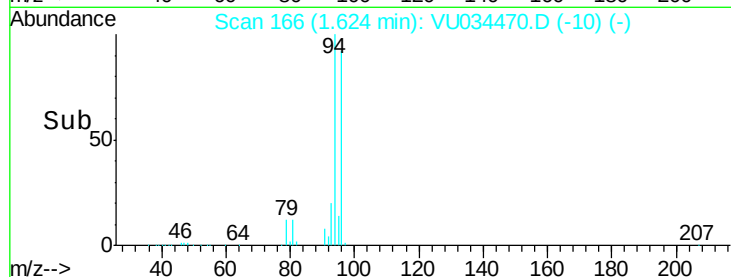
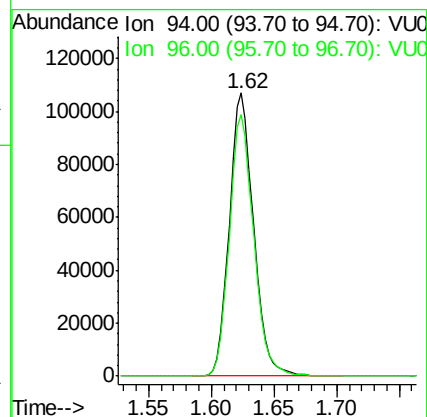
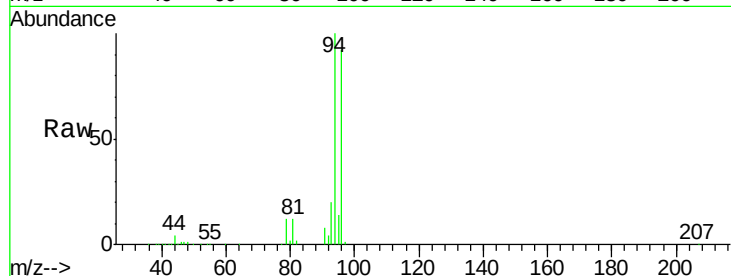
Tot Ion: 94 Resp: 143328

Ion Ratio Lower Upper

94 100

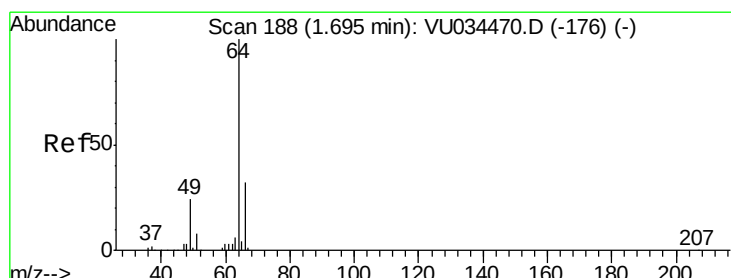
96 92.3 73.8 110.8

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#6

Chloroethane

Concen: 6.673 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU034470.D

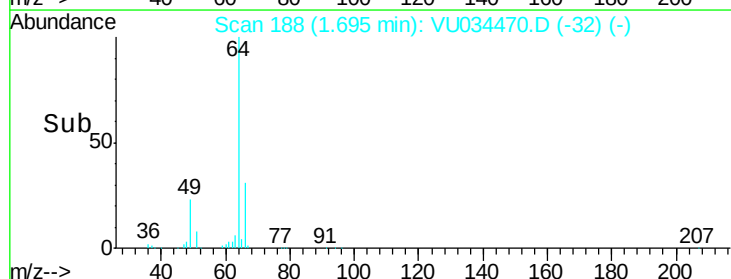
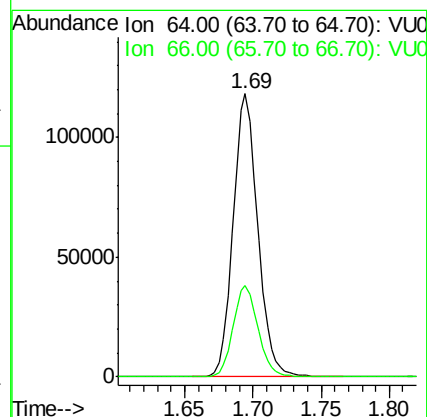
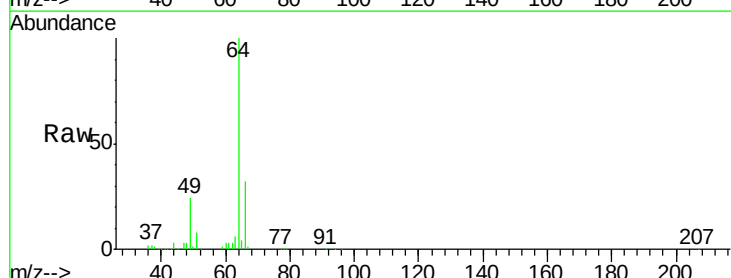
Acq: 11 Sep 2019 11:34

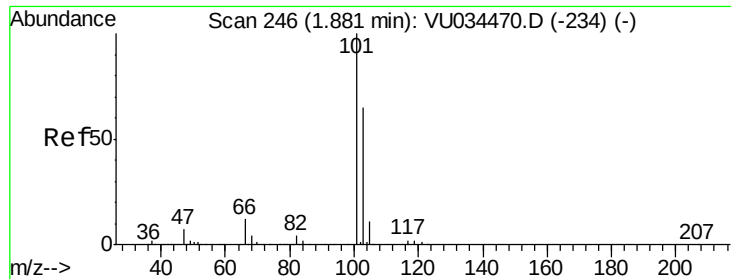
Tgt Ion: 64 Resp: 147609

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8





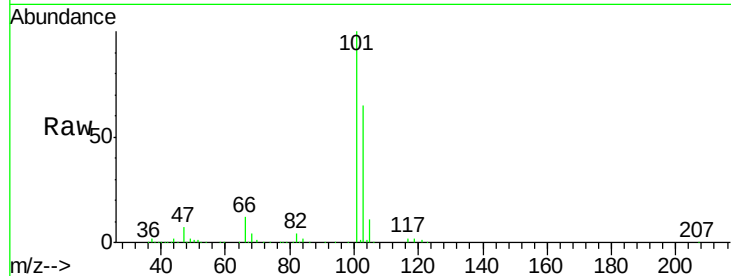
#7

Trichlorofluoromethane
Concen: 7.065 ug/l
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

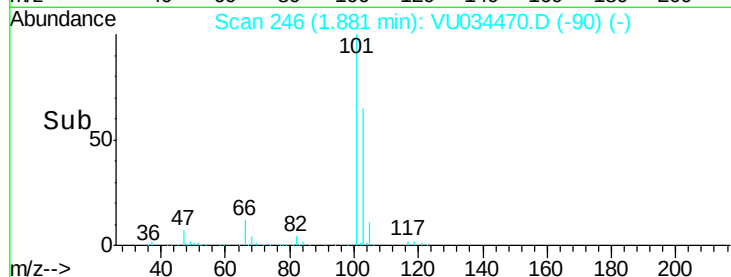
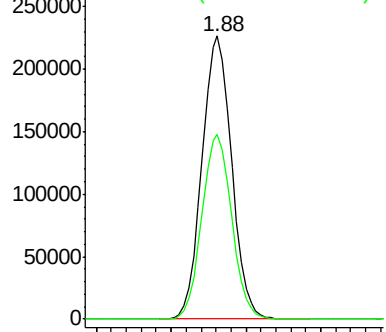
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

Manual Integrations
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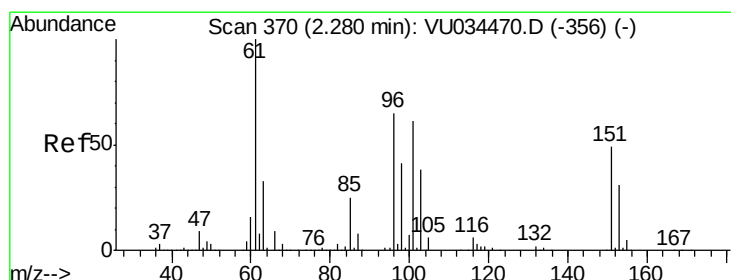
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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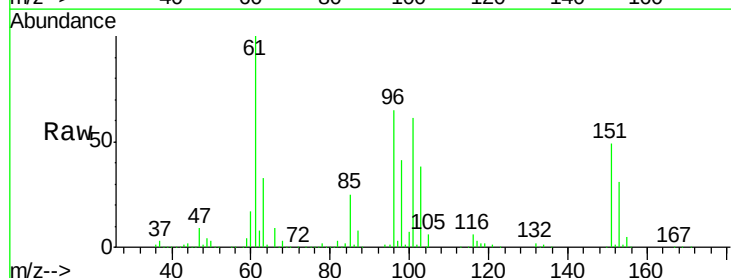
Time-->



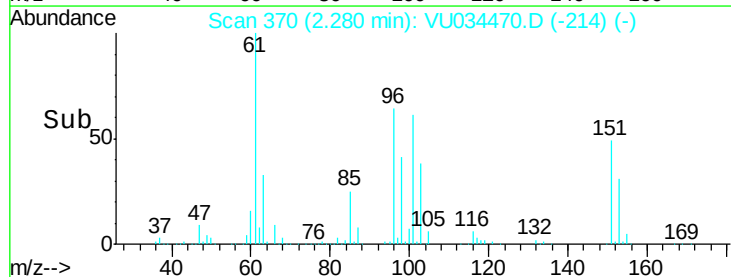
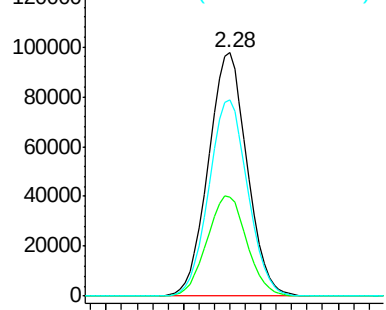
#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 7.355 ug/l
RT: 2.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

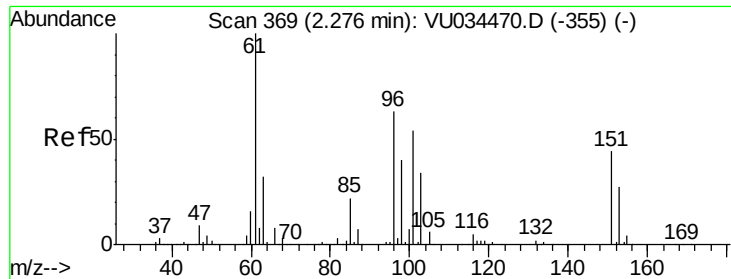
Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.7	34.2	51.2
151	81.5	65.2	97.8



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V



Time-->



#9

1,1-Dichloroethene

Concen: 7.524 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

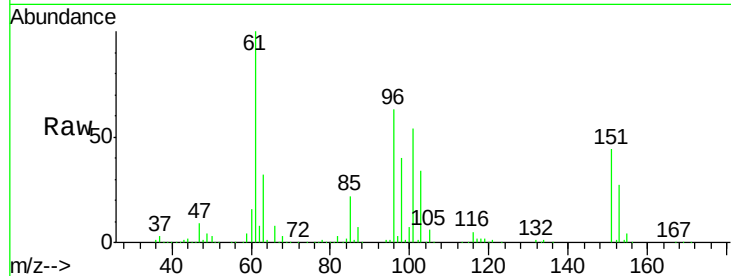
MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:	96	Resp:	170796
Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	475.5
98	63.8	0.0	127.6

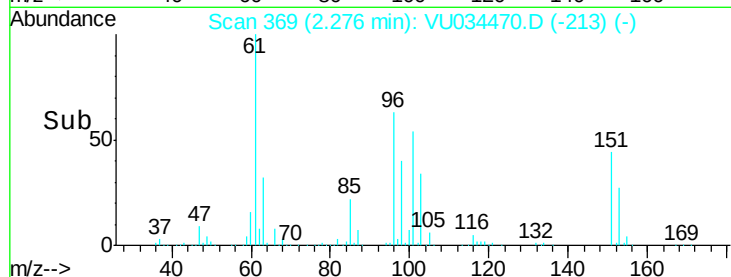
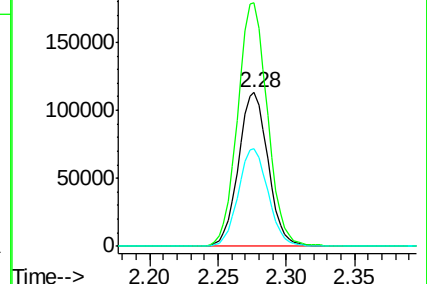
Manual Integrations
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Abundance Ion 96.00 (95.70 to 96.70): VU034470.D (-355) (-)

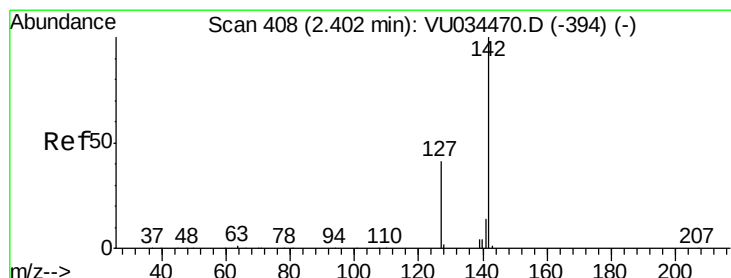
Ion 61.00 (60.70 to 61.70): VU034470.D (-355) (-)

Ion 98.00 (97.70 to 98.70): VU034470.D (-355) (-)



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#10

Iodomethane

Concen: 6.786 ug/l

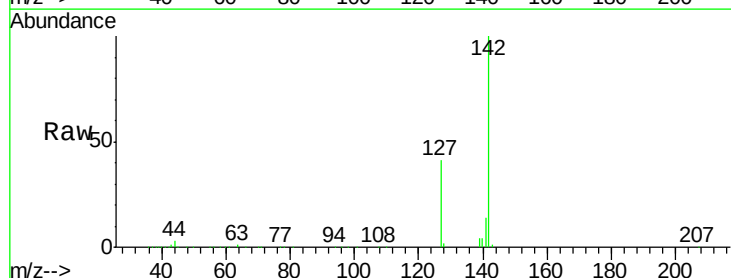
RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034470.D

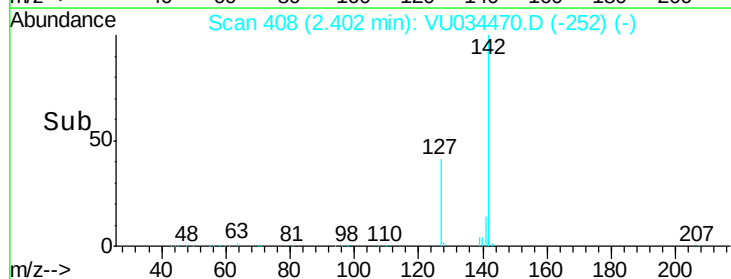
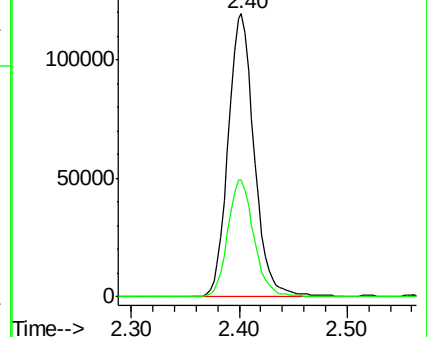
Acq: 11 Sep 2019 11:34

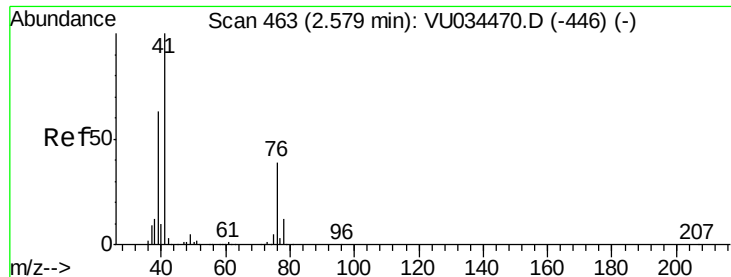
Tgt Ion:	142	Resp:	201320
Ion	Ratio	Lower	Upper
142	100		
127	41.3	33.0	49.6



Abundance Ion 142.00 (141.70 to 142.70): VU034470.D (-394) (-)

Ion 127.00 (126.70 to 127.70): VU034470.D (-394) (-)



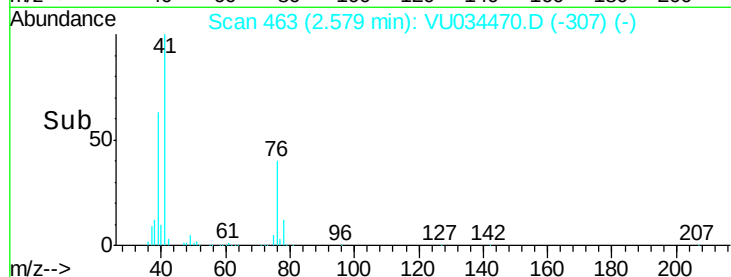
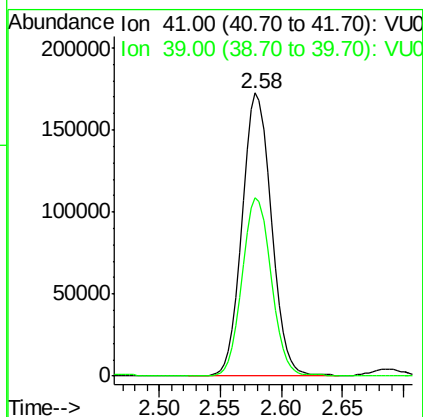
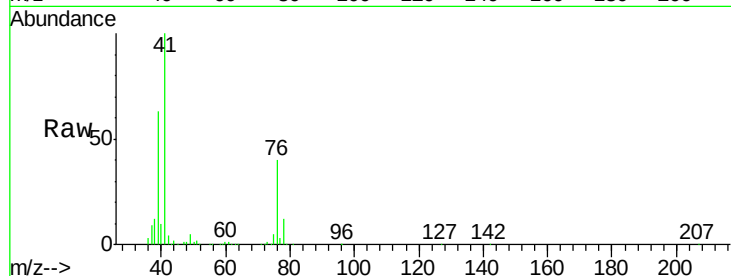


#11
Allvl Chloride
Concen: 7.572 ug/l
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

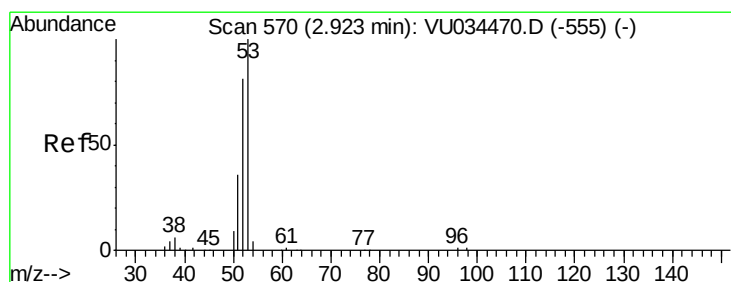
Tot Ion	Ratio	Lower	Upper
41	100		
39	62.7	50.2	75.2

Manual Integrations
APPROVED



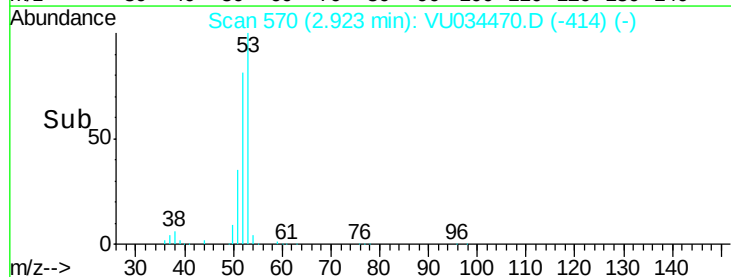
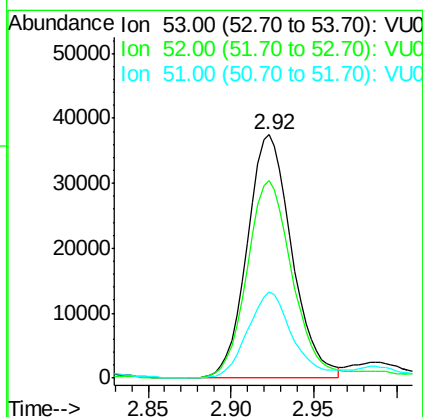
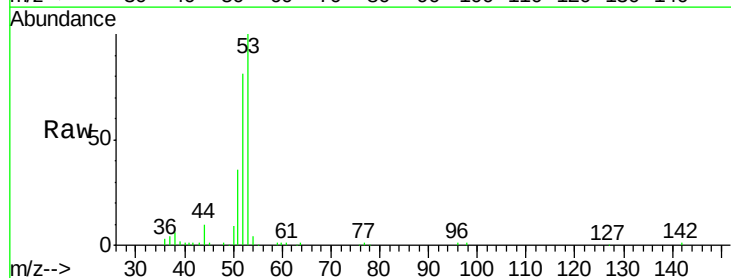
MMDadoda

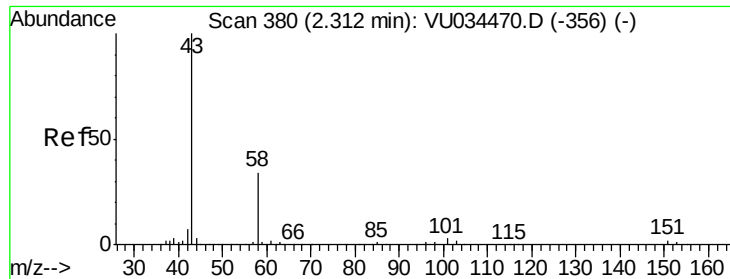
9/12/2019 4:53:31 PM



#12
Acrylonitrile
Concen: 11.405 ug/l
RT: 2.92 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.9	100.3
51	35.5	28.4	42.6



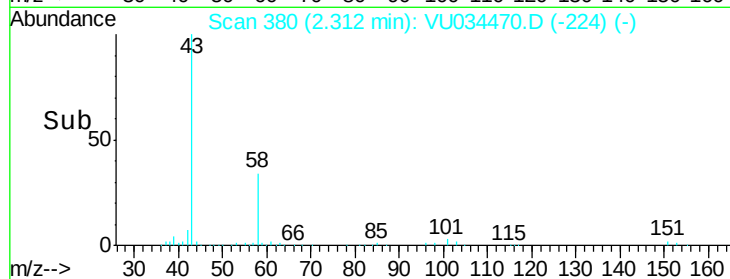
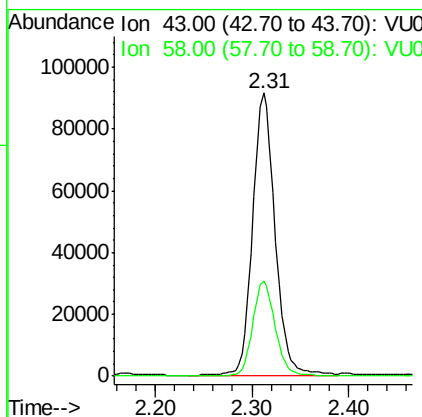
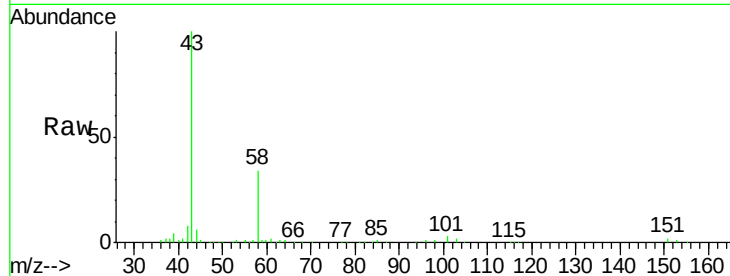


#13
Acetone
Concen: 27.790 ug/l
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

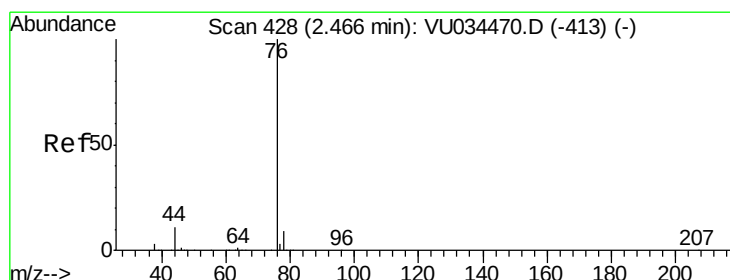
Tot Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.9	40.3

Manual Integrations
APPROVED



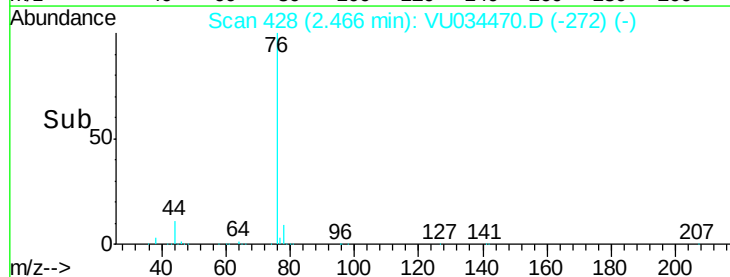
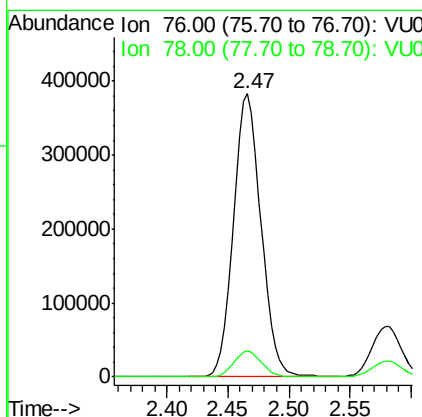
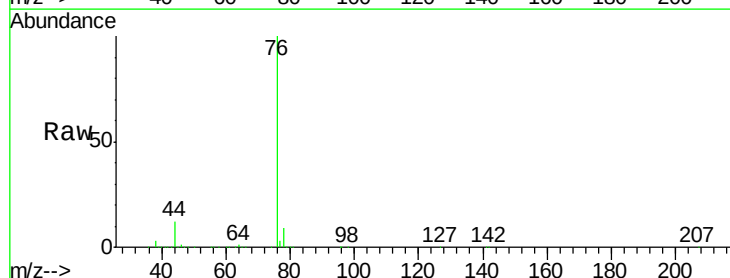
MMDadoda

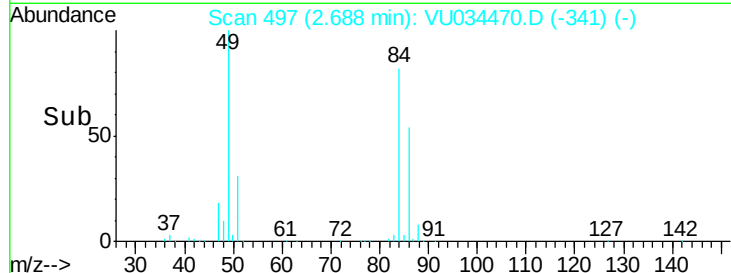
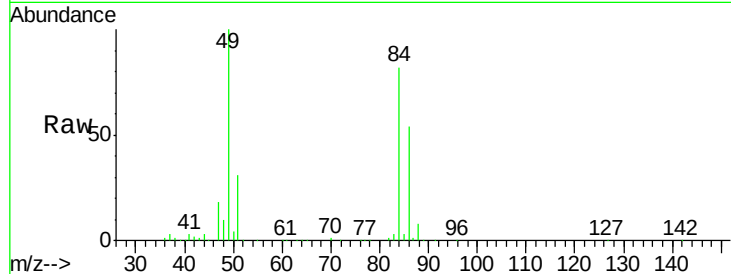
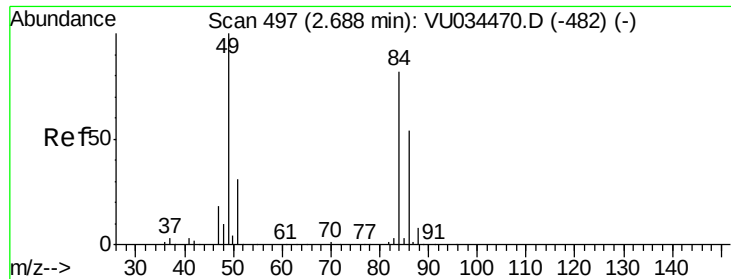
9/12/2019 4:53:31 PM



#14
Carbon Disulfide
Concen: 7.028 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

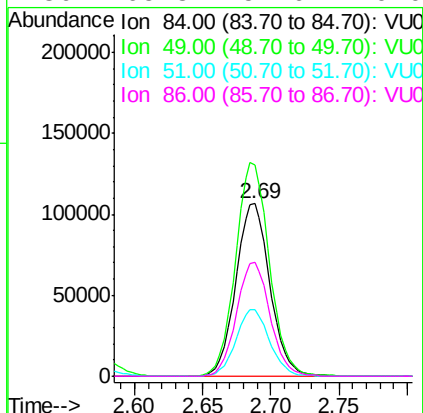
Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9





#15
Methvlene Chloride
Concen: 6.100 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tot Ion	Ratio	Lower	Upper
84	100		
49	122.2	97.8	146.6
51	38.2	0.0	76.4
86	65.8	52.6	79.0

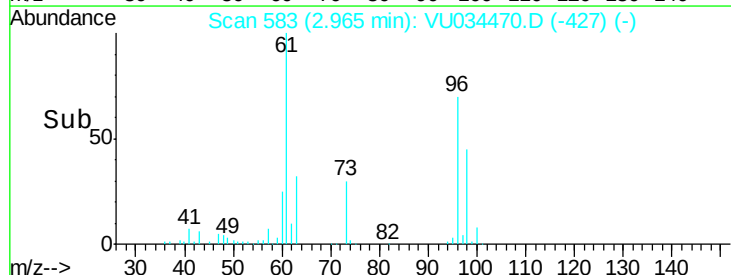
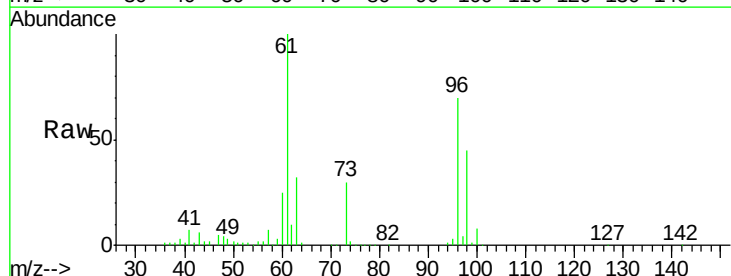
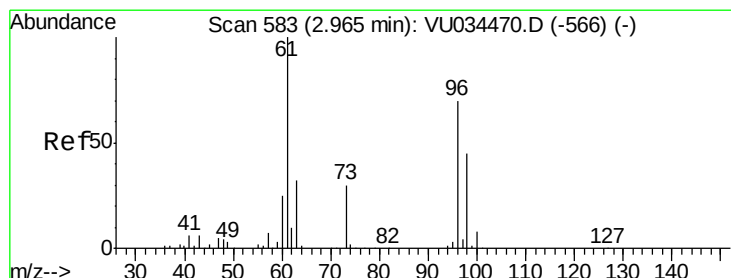


Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

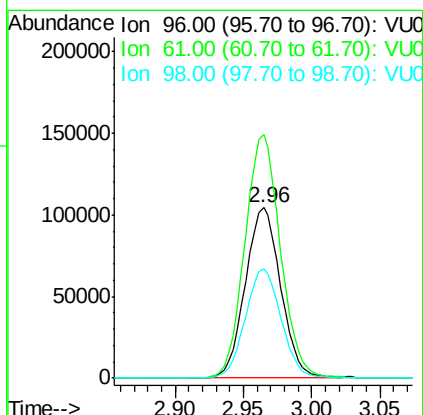
MMDadoda

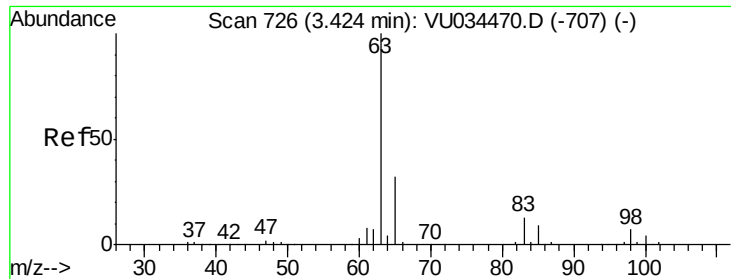
9/12/2019 4:53:31 PM



#16
trans-1,2-Dichloroethene
Concen: 6.985 ug/l
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.1	114.5	171.7
98	64.0	51.2	76.8



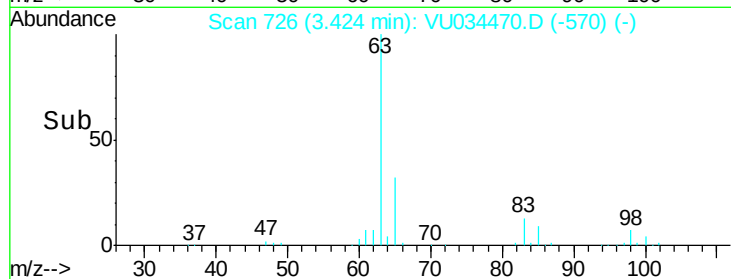
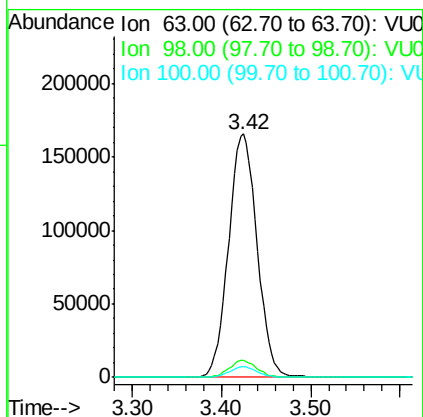
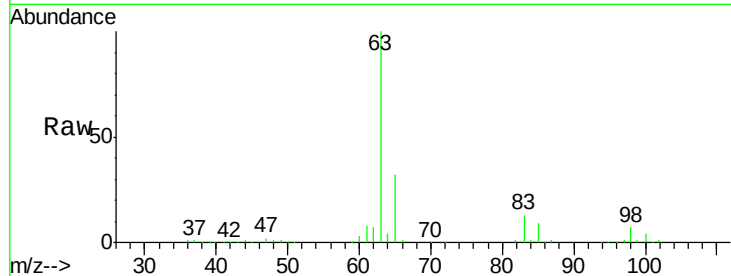


#17
 1,1-Dichloroethane
 Concen: 9.697 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

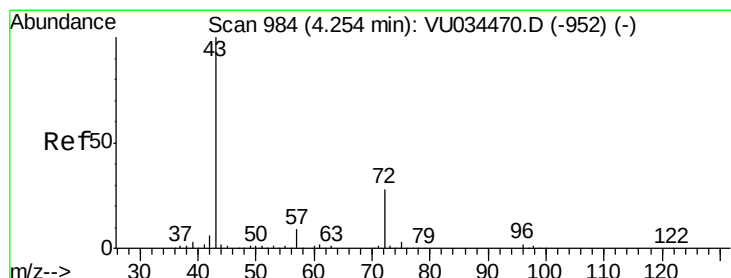
Tot Ion:	63	Resp:	366865
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.5	10.4
100	4.5	2.3	6.8

Manual Integrations
 APPROVED



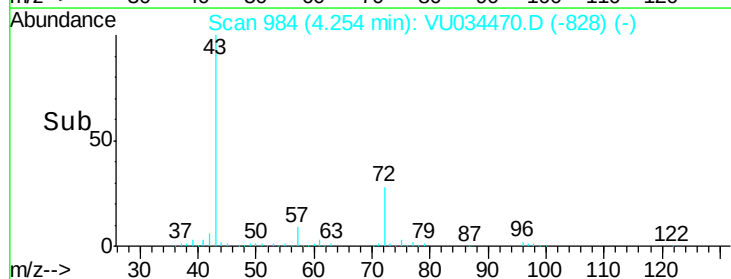
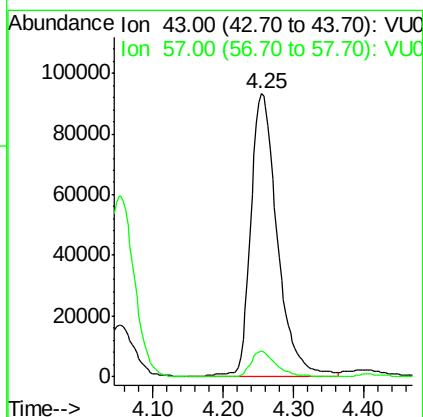
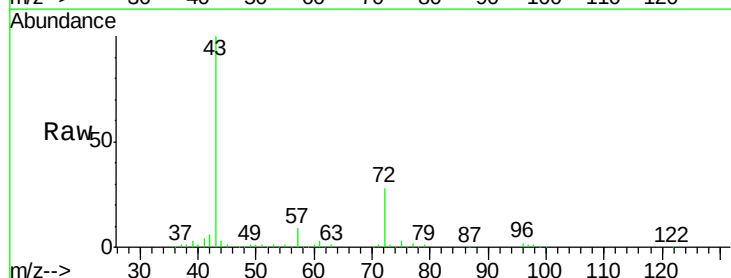
MMDadoda

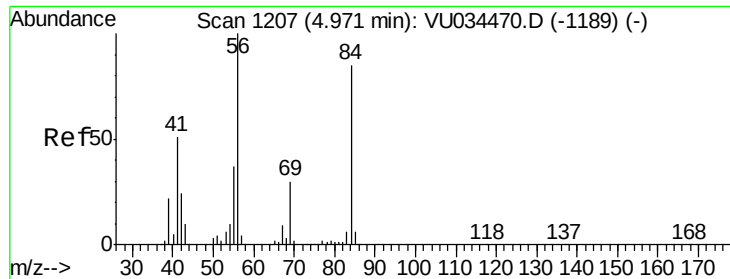
9/12/2019 4:53:31 PM



#18
 2-Butanone
 Concen: 46.246 ug/l
 RT: 4.25 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion:	43	Resp:	242330
Ion Ratio	Lower	Upper	
43	100		
57	8.9	0.0	17.8



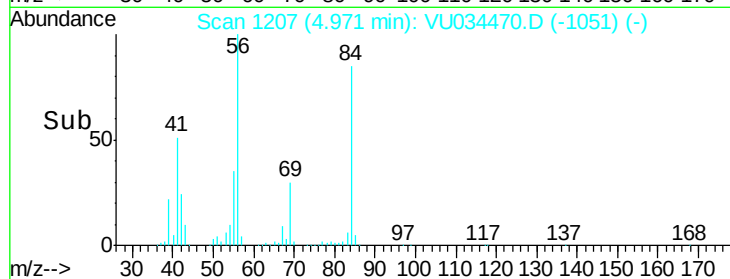
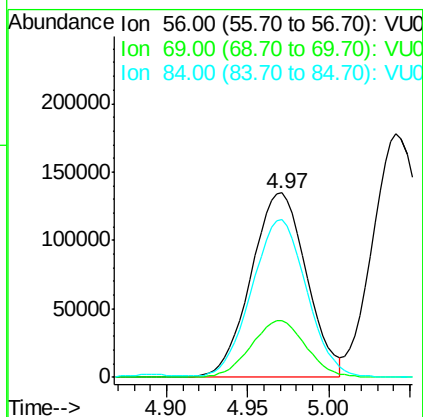
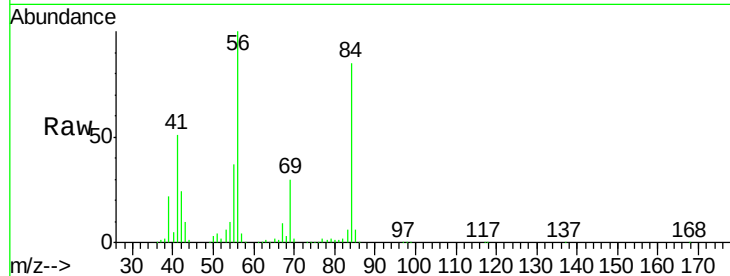


#19
Cyclohexane
Concen: 11.436 ug/l m
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

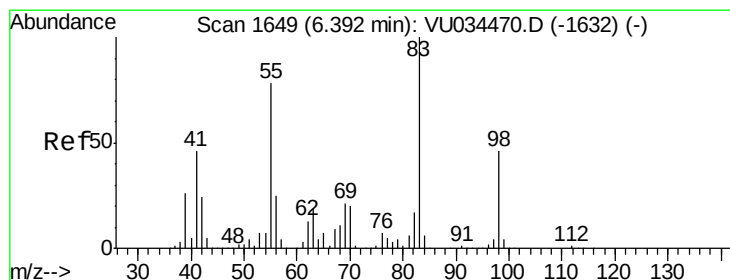
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	83.6	66.9	100.3

Manual Integrations
APPROVED



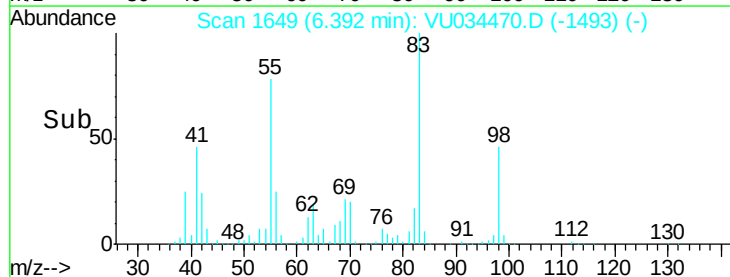
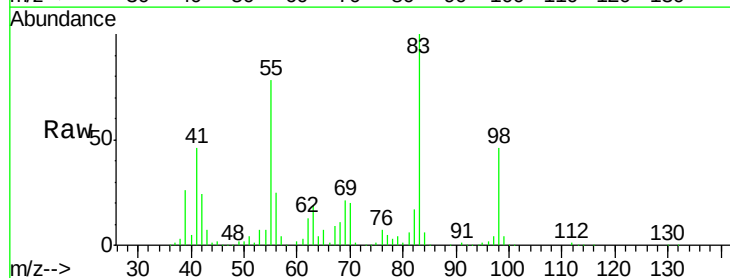
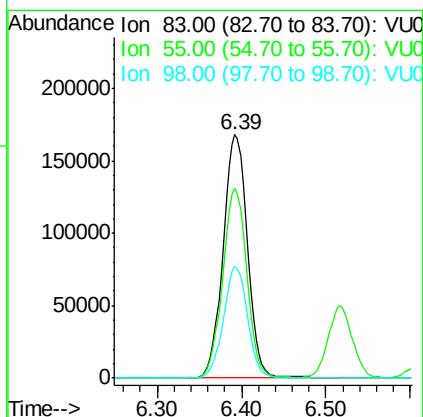
MMDadoda

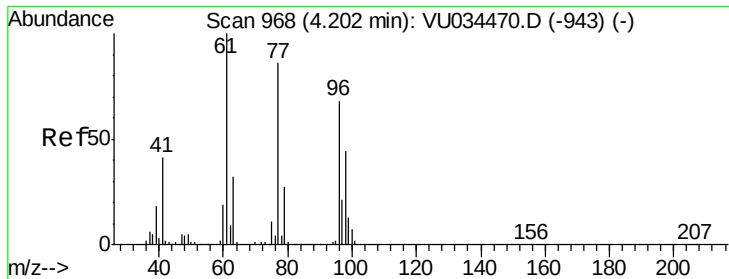
9/12/2019 4:53:31 PM



#20
Methylcyclohexane
Concen: 11.838 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.7	92.5
98	45.0	36.0	54.0





#21

2,2-Dichloropropane

Concen: 9.427 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

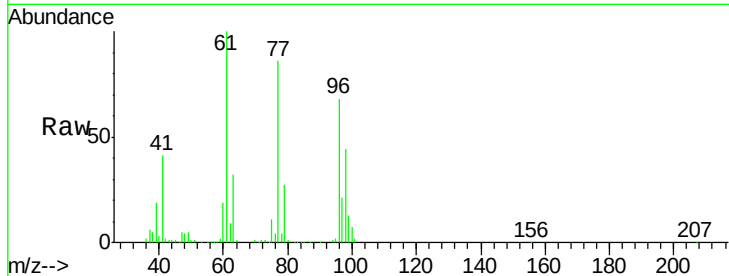
Tot Ion: 77 Resp: 302904

Ion Ratio Lower Upper

77 100

97 23.6 18.9 28.3

Manual Integrations
APPROVED



Abundance Ion 77.00 (76.70 to 77.70): VU034470.D (-943) (-)

Ion 97.00 (96.70 to 97.70): VU034470.D (-943) (-)

4.20

120000

100000

80000

60000

40000

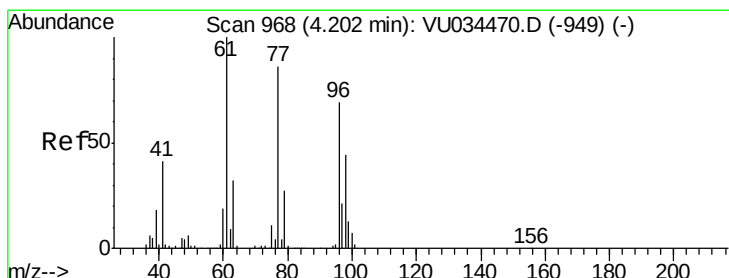
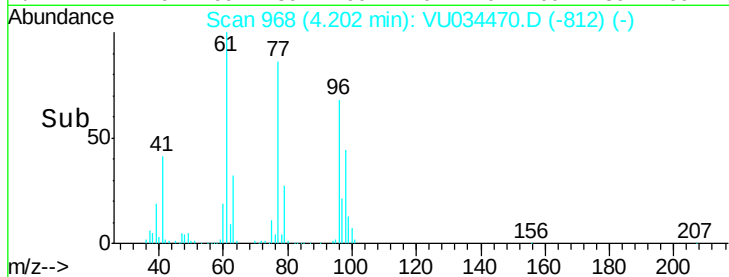
20000

0

Time-->

MMDadoda

9/12/2019 4:53:31 PM



#22

cis-1,2-Dichloroethene

Concen: 10.140 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

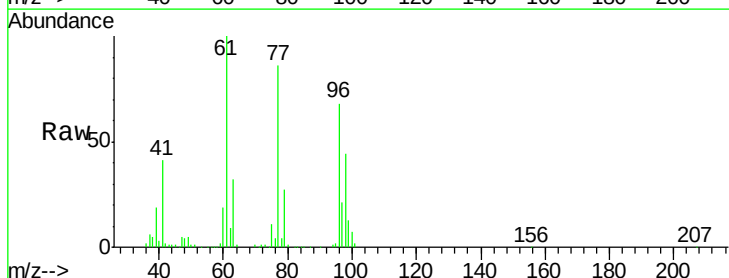
Tgt Ion: 96 Resp: 216298

Ion Ratio Lower Upper

96 100

61 147.8 0.0 369.5

98 64.8 32.4 97.2



Abundance Ion 96.00 (95.70 to 96.70): VU034470.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU034470.D (-949) (-)

Ion 98.00 (97.70 to 98.70): VU034470.D (-949) (-)

4.20

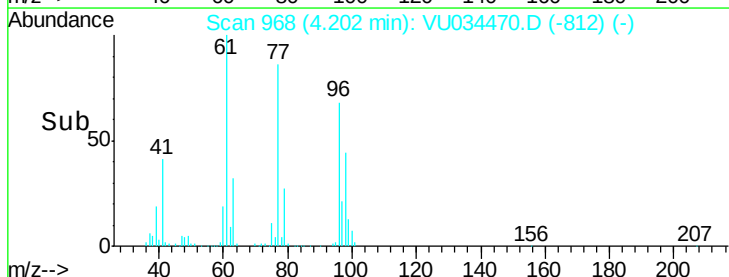
150000

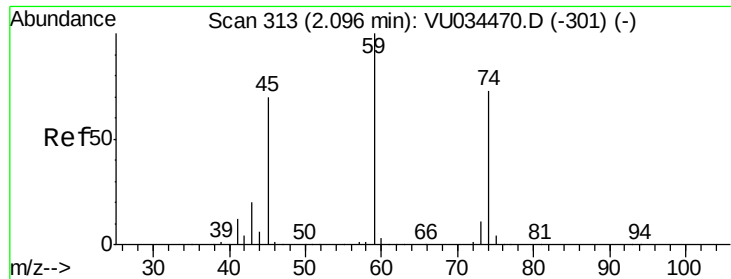
100000

50000

0

Time-->



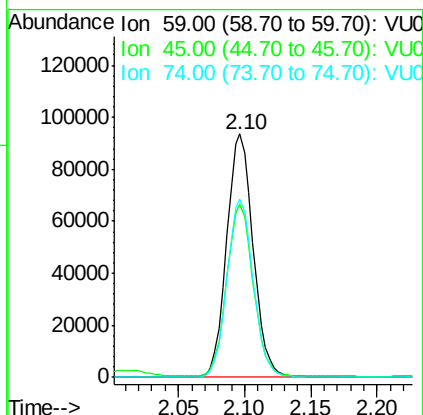
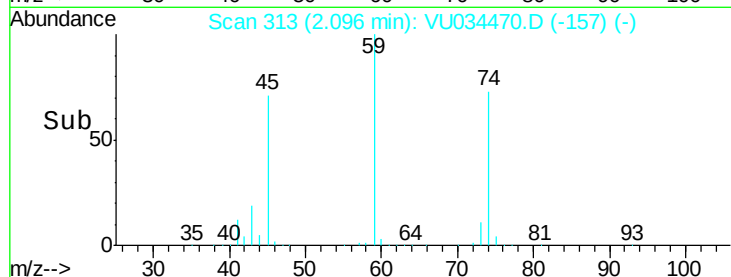
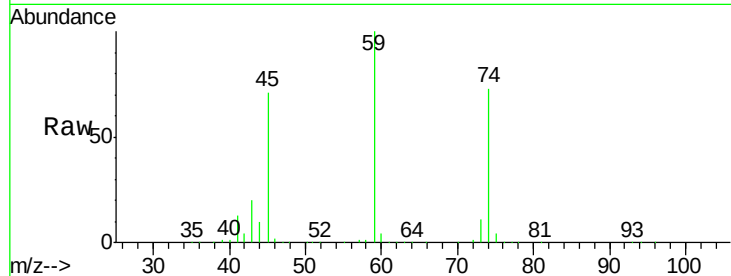


#23
Diethyl Ether
Concen: 6.772 ug/l
RT: 2.10 min Scan# 313
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

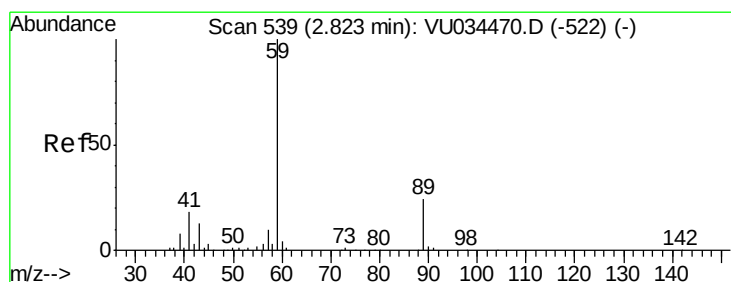
Tot Ion	Ratio	Lower	Upper
59	100		
45	70.4	56.3	84.5
74	72.7	58.2	87.2

Manual Integrations
APPROVED



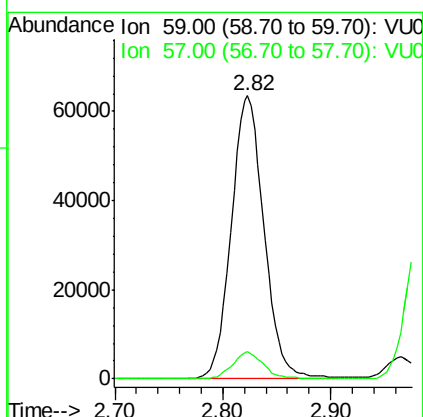
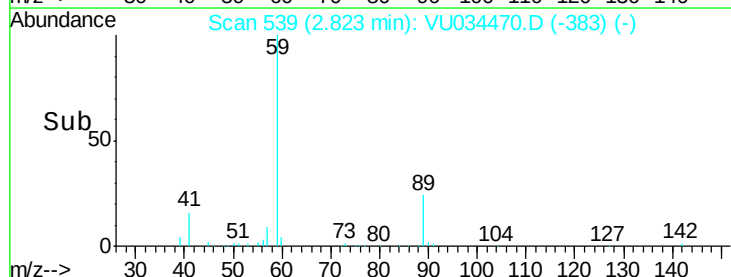
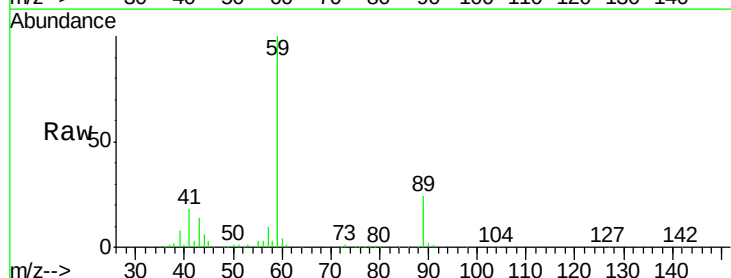
MMDadoda

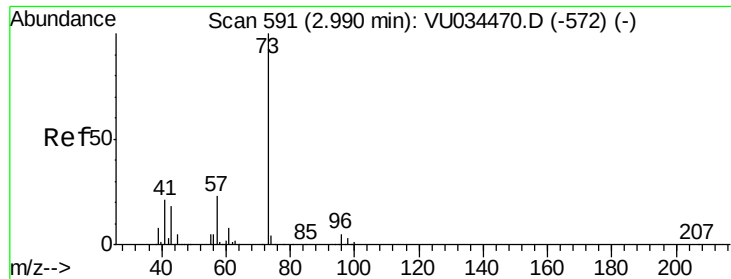
9/12/2019 4:53:31 PM



#24
tert-Butyl Alcohol
Concen: 46.036 ug/l
RT: 2.82 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.3	10.9



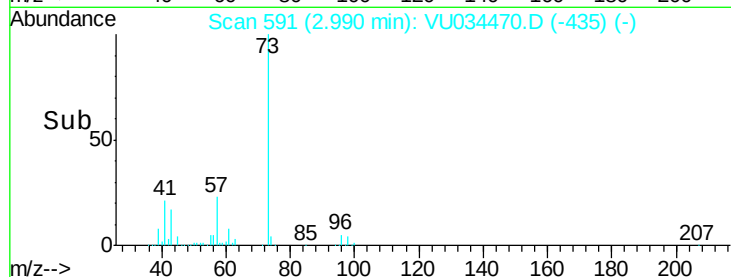
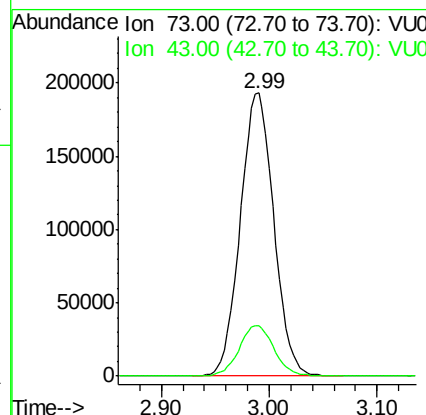
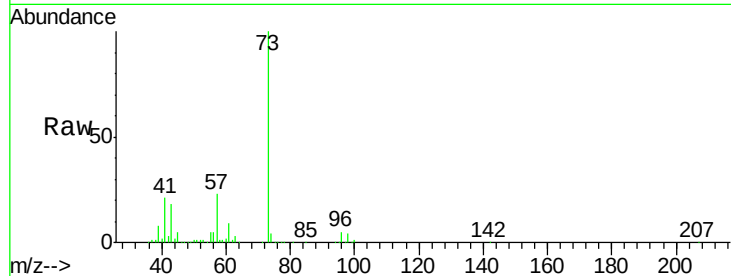


#25
Methyl tert-Butyl Ether
Concen: 6.542 ug/l
RT: 2.99 min Scan# 591
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

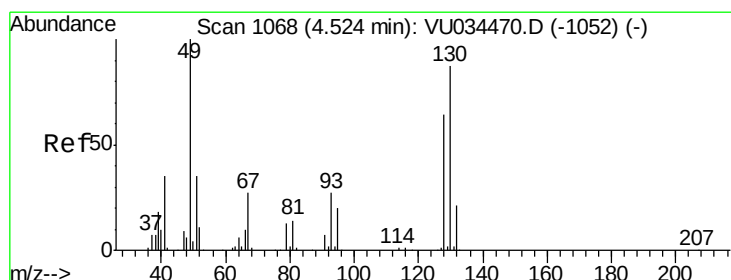
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.0	14.4	21.6

Manual Integrations
APPROVED



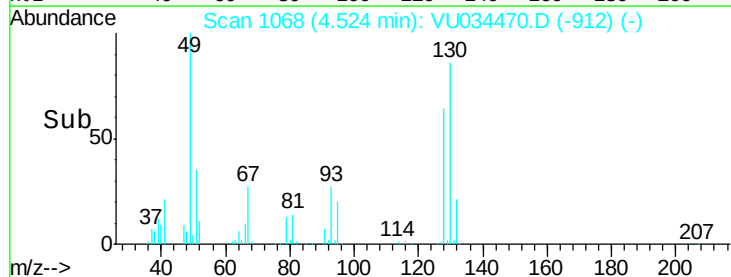
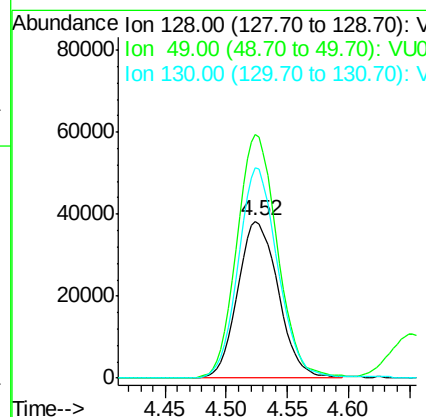
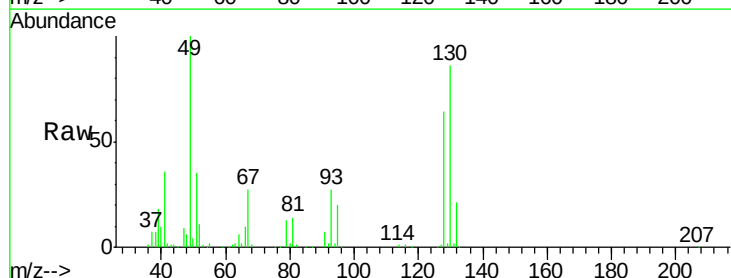
MMDadoda

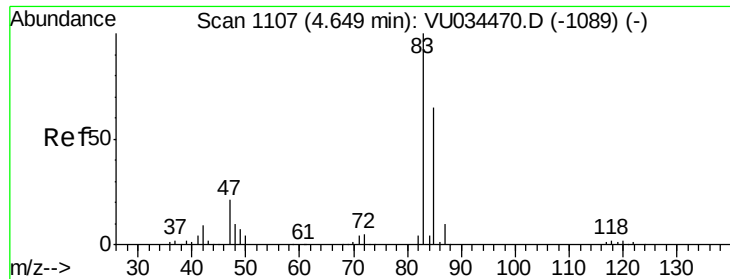
9/12/2019 4:53:31 PM



#26
Bromochloromethane
Concen: 9.505 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
128	100		
49	154.9	0.0	309.8
130	131.3	105.0	157.6



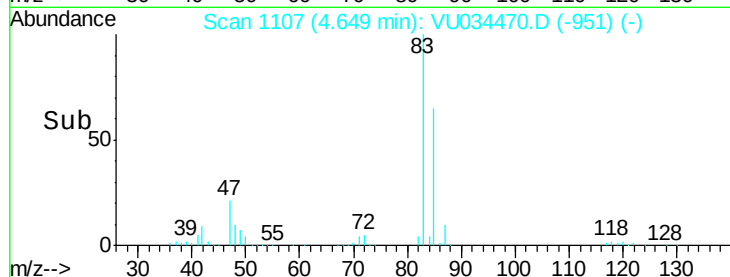
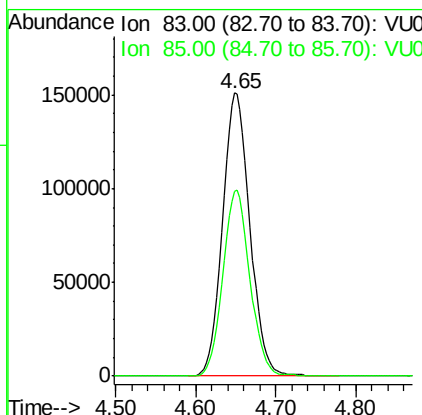
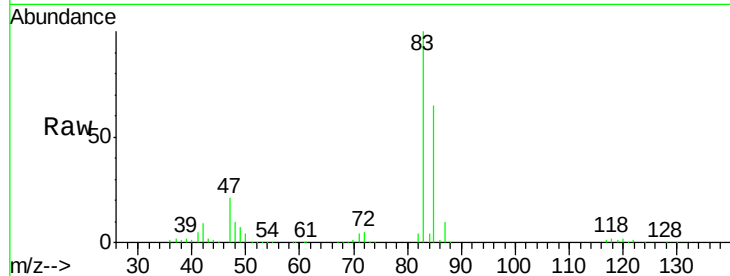


#27
Chloroform
Concen: 8.328 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

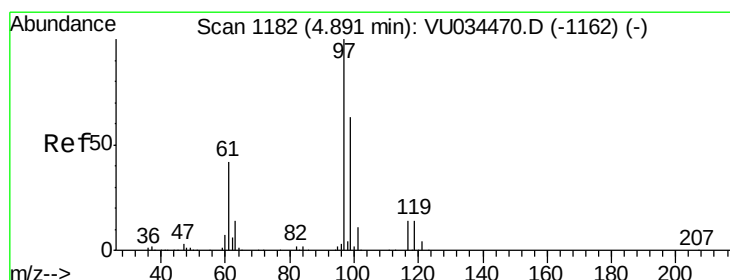
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.1	0.0	130.2	

Manual Integrations
APPROVED



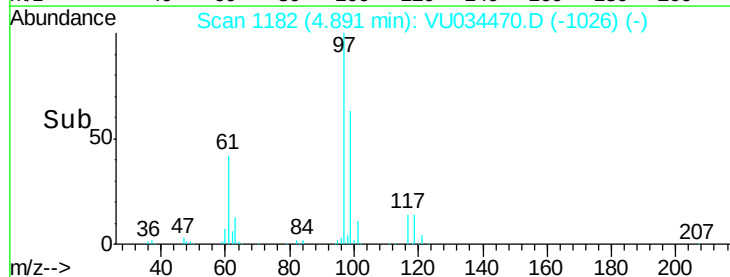
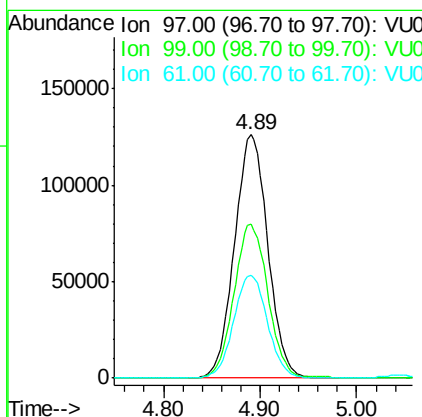
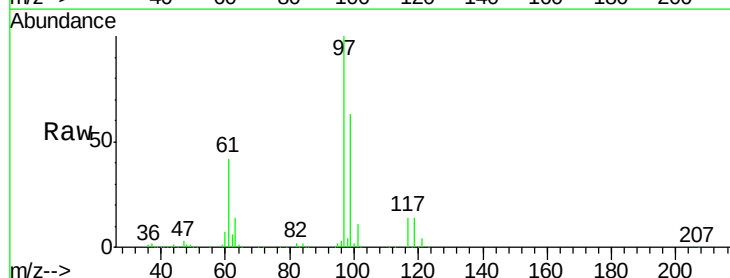
MMDadoda

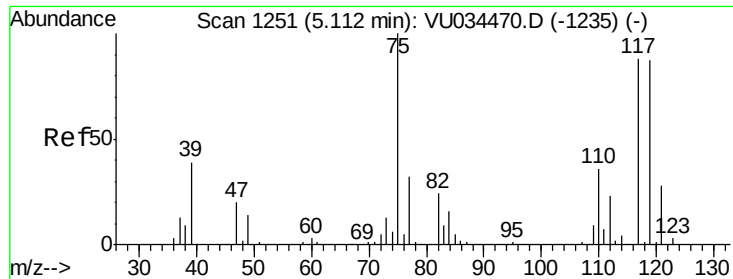
9/12/2019 4:53:31 PM



#28
1,1,1-Trichloroethane
Concen: 9.175 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.1	32.0	96.2	
61	42.9	21.4	64.3	



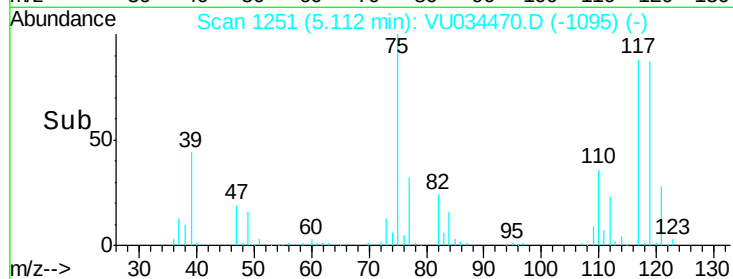
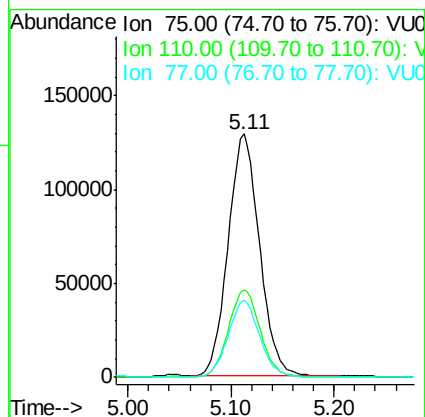
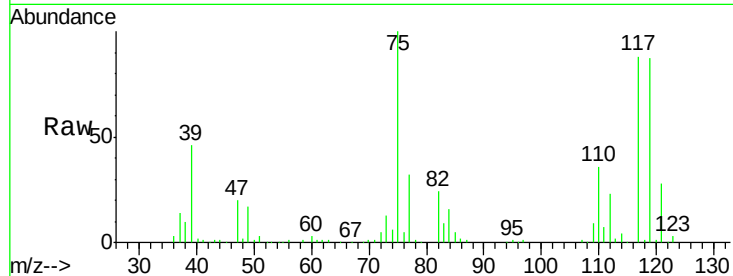


#29
 1,1-Dichloropropene
 Concen: 10.002 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

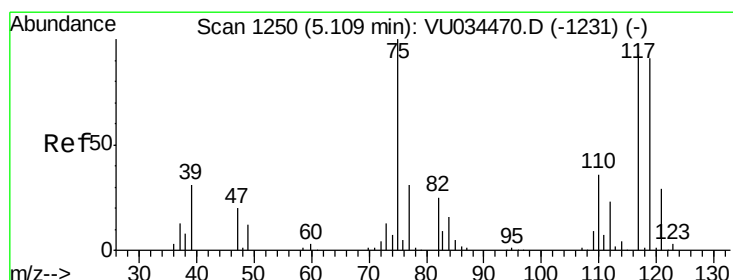
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.4	55.2
77	31.3	25.0	37.6

Manual Integrations
 APPROVED



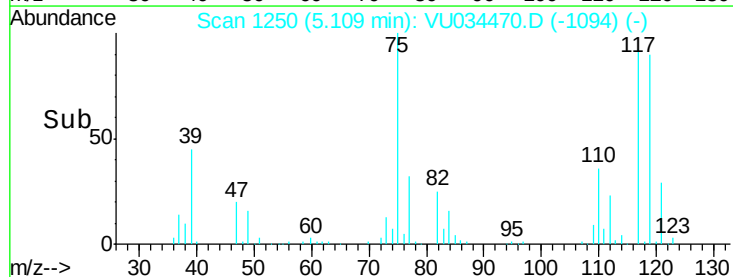
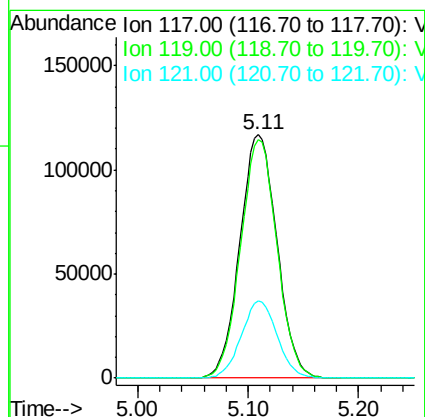
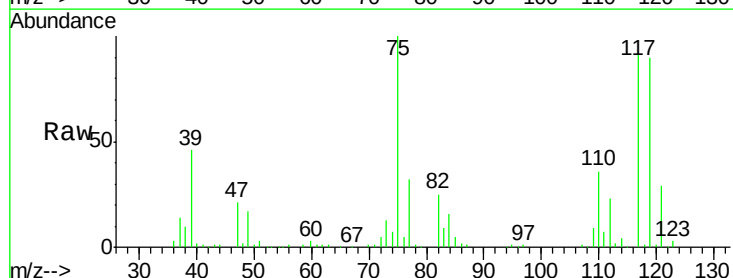
MMDadoda

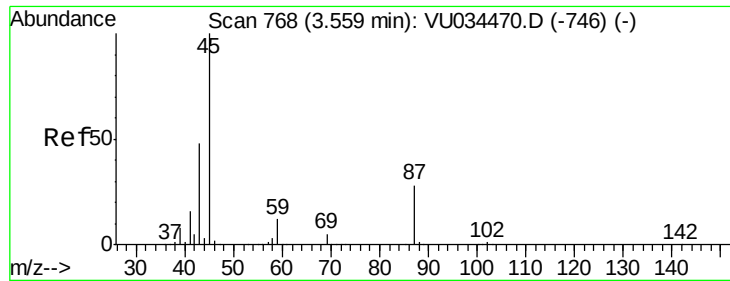
9/12/2019 4:53:31 PM



#30
 Carbon Tetrachloride
 Concen: 9.372 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	78.5	117.7
121	31.6	25.3	37.9



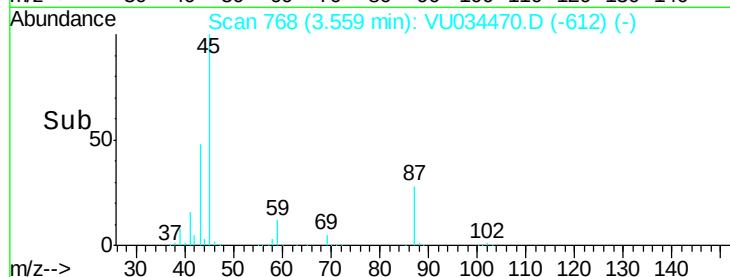
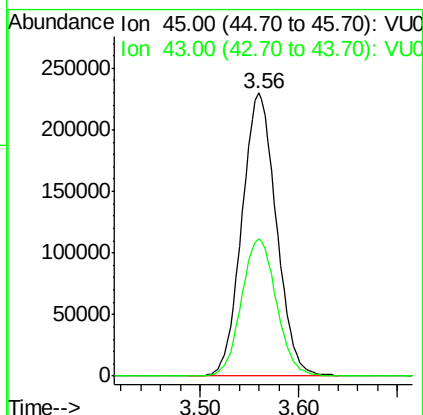
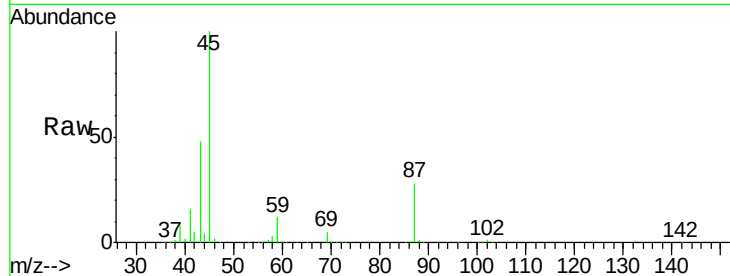


#31
Isopropyl Ether
Concen: 11.322 ug/l
RT: 3.56 min Scan# 768
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

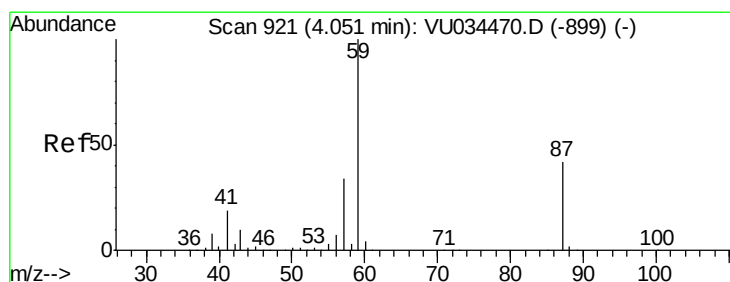
Tot Ion: 45 Resp: 553185
Ion Ratio Lower Upper
45 100
43 49.5 24.8 74.3

Manual Integrations
APPROVED



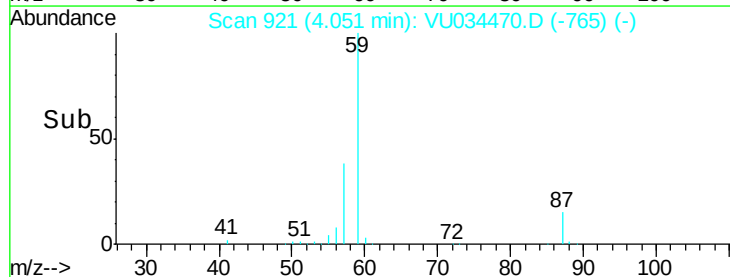
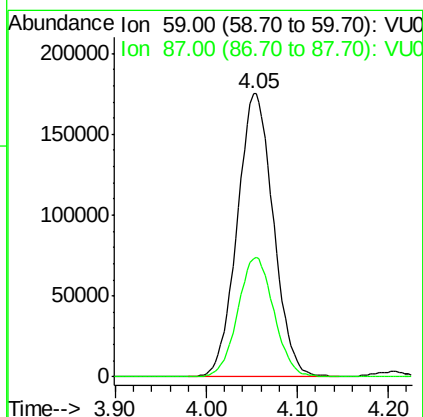
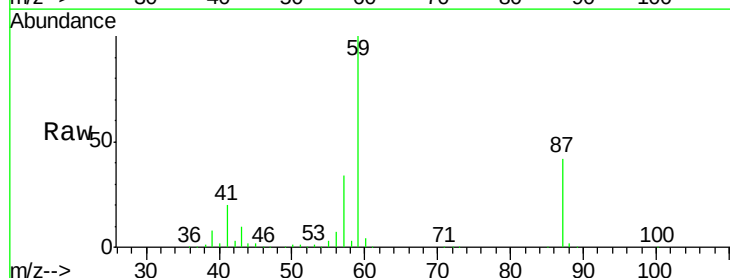
MMDadoda

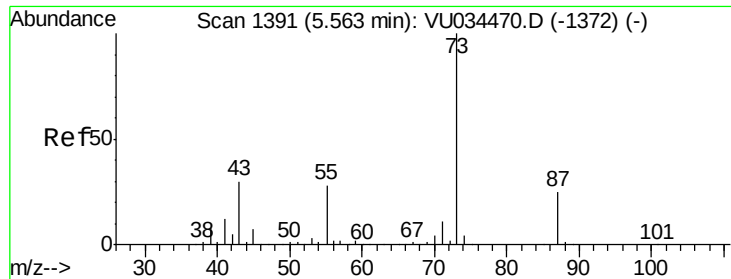
9/12/2019 4:53:31 PM



#32
Ethyl-t-butyl ether
Concen: 10.470 ug/l
RT: 4.05 min Scan# 921
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion: 59 Resp: 480979
Ion Ratio Lower Upper
59 100
87 42.0 33.6 50.4



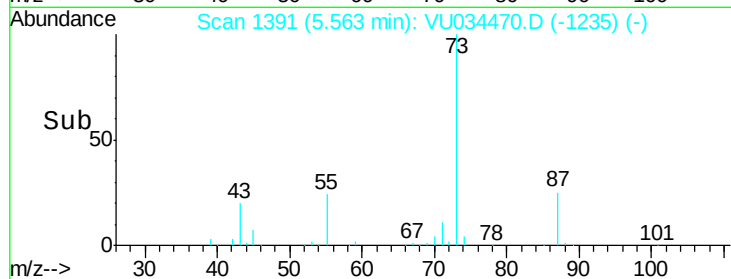
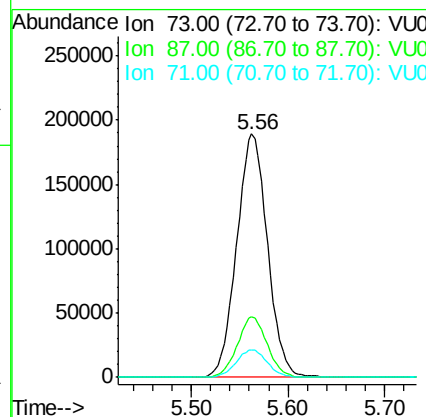
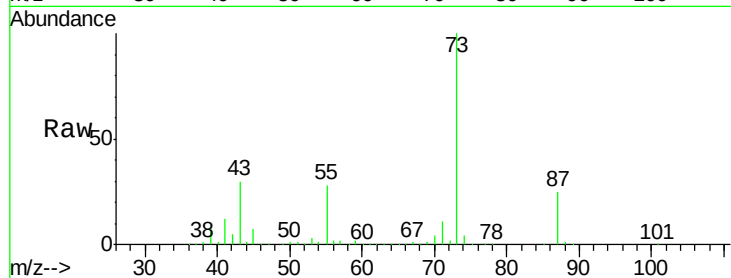


#33
Tert-Butyl methyl ether
Concen: 10.244 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

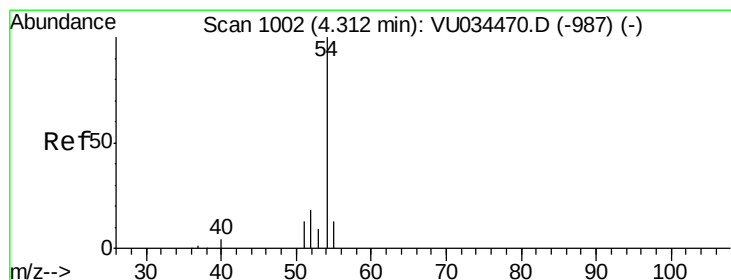
Tot Ion	Ratio	Lower	Upper
73	100		
87	24.2	19.4	29.0
71	11.6	9.3	13.9

Manual Integrations
APPROVED



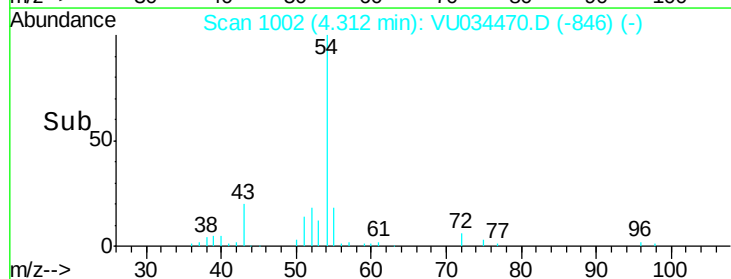
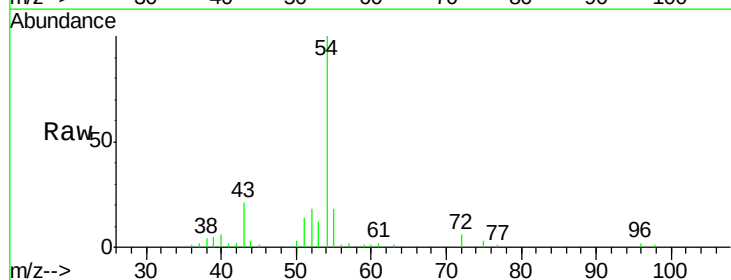
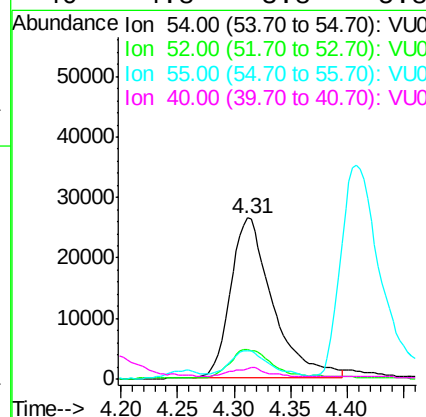
MMDadoda

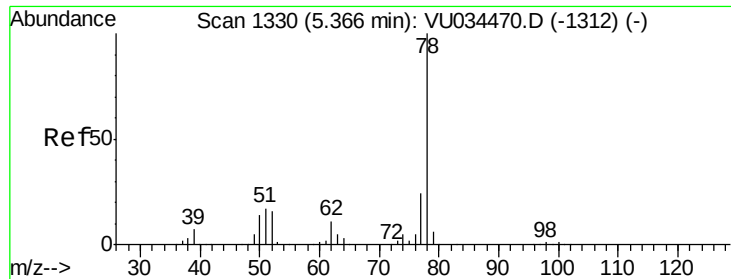
9/12/2019 4:53:31 PM



#34
Propionitrile
Concen: 45.777 ug/l
RT: 4.31 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.6	14.1	21.1
55	16.6	13.3	19.9
40	4.8	3.8	5.8





#35

Benzene

Concen: 10.175 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

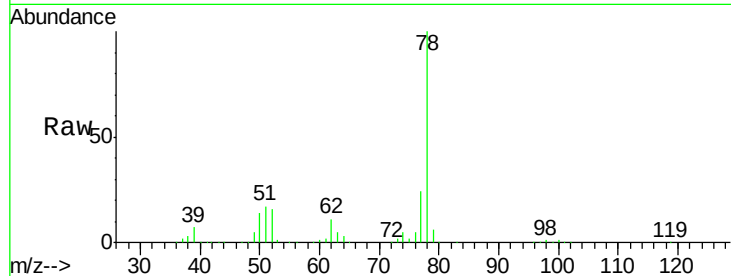
Tot Ion: 78 Resp: 808179

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

Manual Integrations
APPROVED



Abundance Ion 78.10 (77.80 to 78.80): VU034470.D (-1312) (-)

Ion 77.00 (76.70 to 77.70): VU034470.D (-1312) (-)

5.37

400000

300000

200000

100000

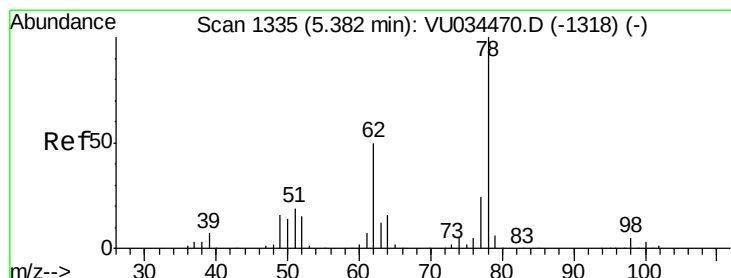
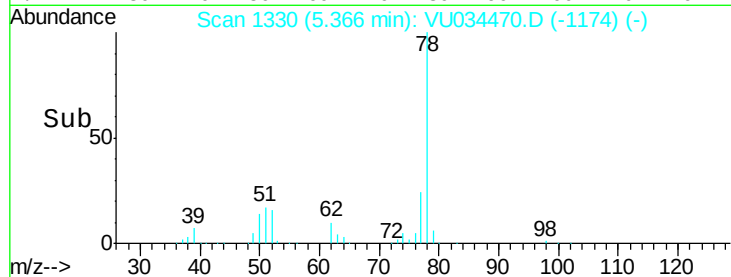
0

5.20 5.30 5.40 5.50 5.60

Time-->

MMDadoda

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#36

1,2-Dichloroethane

Concen: 8.051 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034470.D

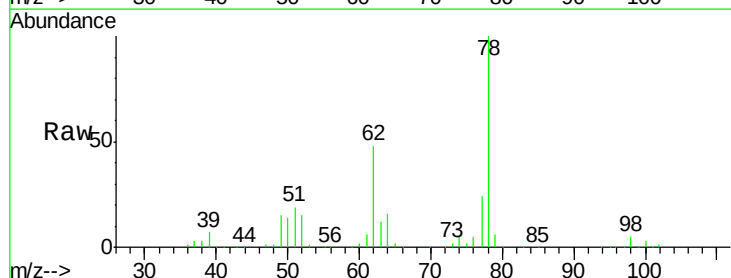
Acq: 11 Sep 2019 11:34

Tgt Ion: 62 Resp: 205165

Ion Ratio Lower Upper

62 100

98 10.0 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU034470.D (-1318) (-)

Ion 98.00 (97.70 to 98.70): VU034470.D (-1318) (-)

5.38

100000

80000

60000

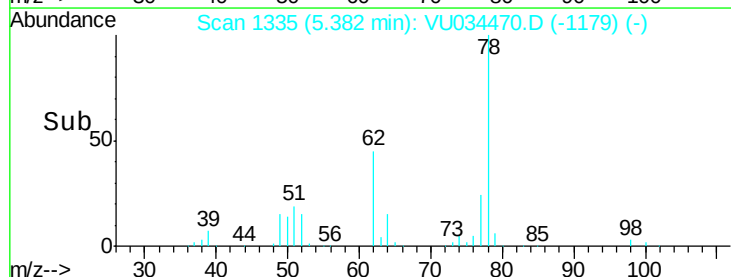
40000

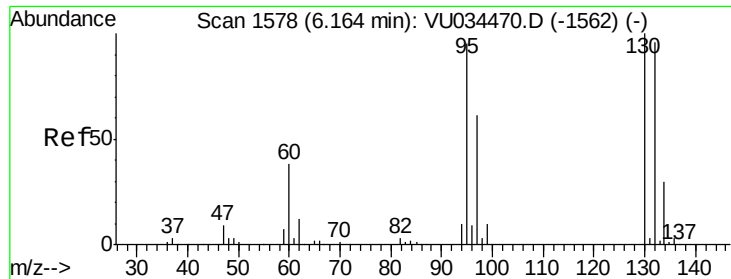
20000

0

5.30 5.40 5.50

Time-->



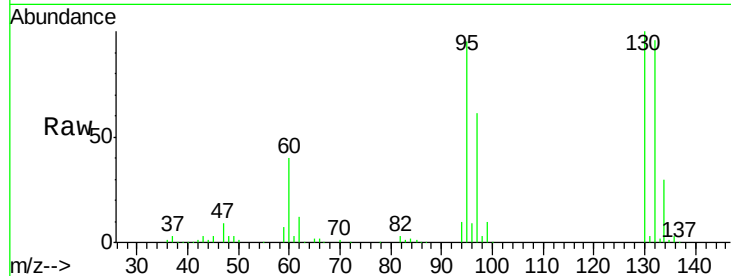


#37
 Trichloroethene
 Concen: 10.596 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

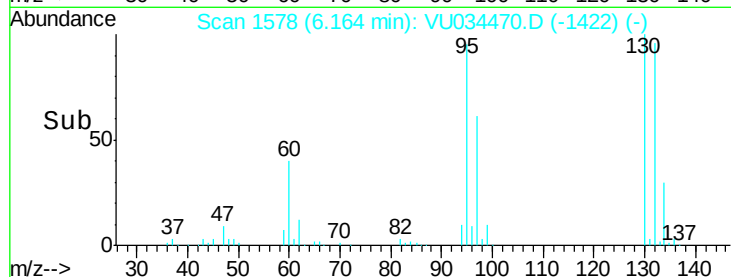
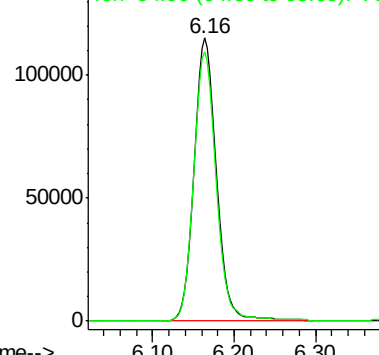
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:130 Resp: 224599
 Ion Ratio Lower Upper
 130 100
 95 95.4 76.3 114.5

Manual Integrations
 APPROVED

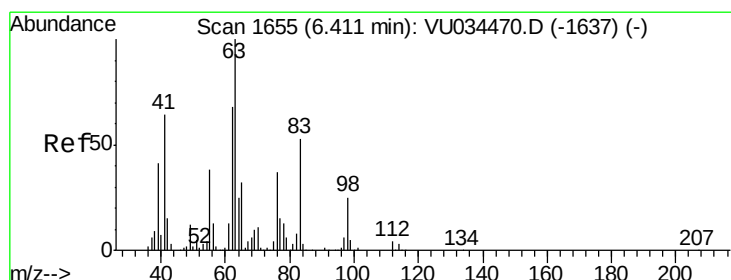


Abundance Ion 129.90 (129.60 to 130.60): VU034470.D (-1562) (-)
 Ion 94.90 (94.60 to 95.60): VU034470.D (-1562) (-)



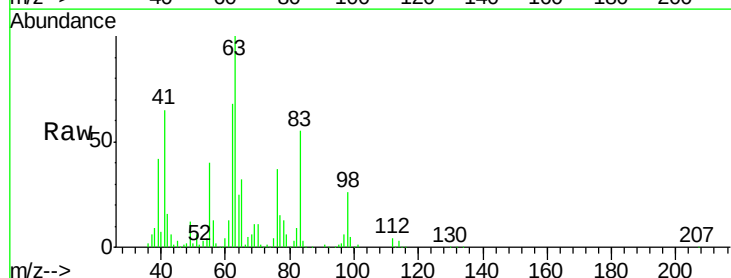
MMDadoda

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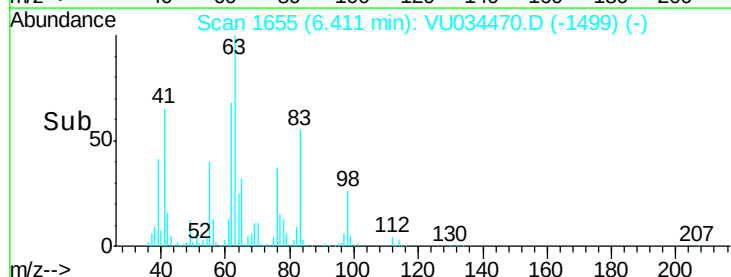
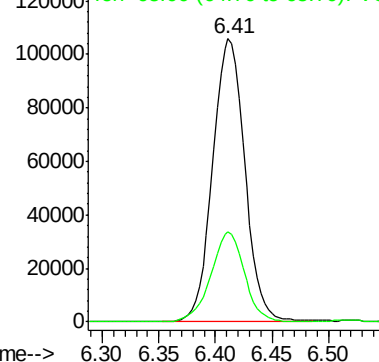


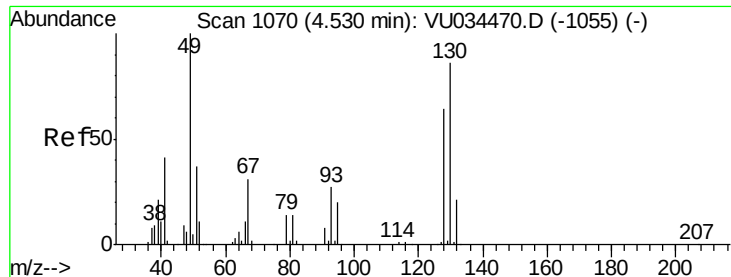
#38
 1,2-Dichloropropane
 Concen: 9.674 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion: 63 Resp: 210597
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU034470.D (-1637) (-)
 Ion 65.00 (64.70 to 65.70): VU034470.D (-1637) (-)



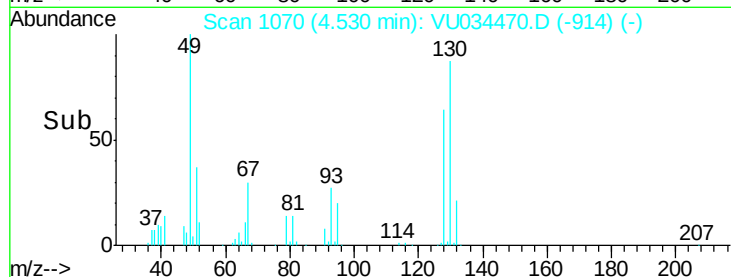
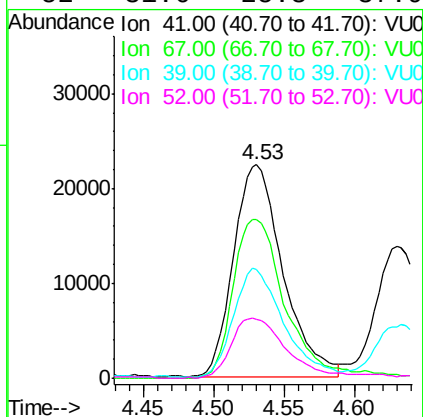
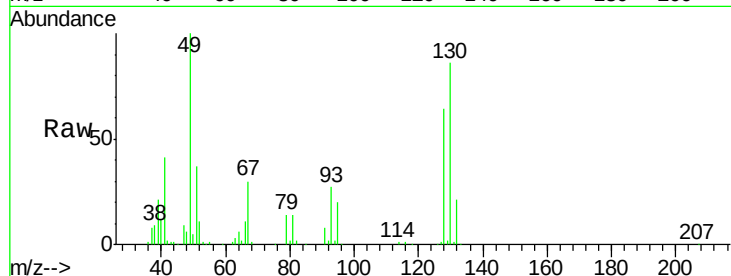


#39
Methacrylonitrile
Concen: 9.180 ug/l
RT: 4.53 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

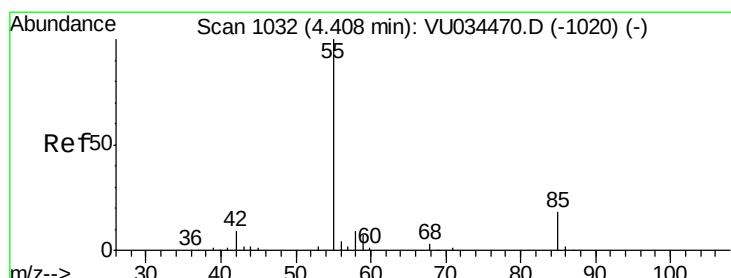
Tot Ion	41	Resp	54652
Ion	Ratio	Lower	Upper
41	100		
67	78.3	62.6	94.0
39	52.0	41.6	62.4
52	31.6	25.3	37.9

Manual Integrations
APPROVED



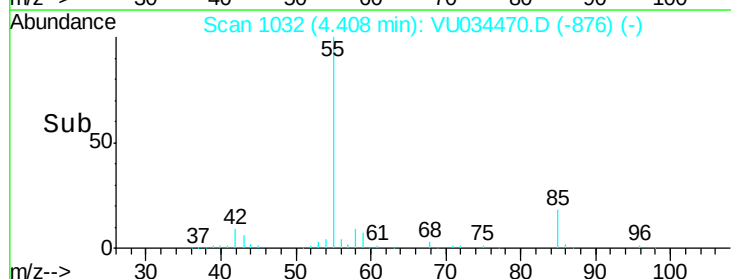
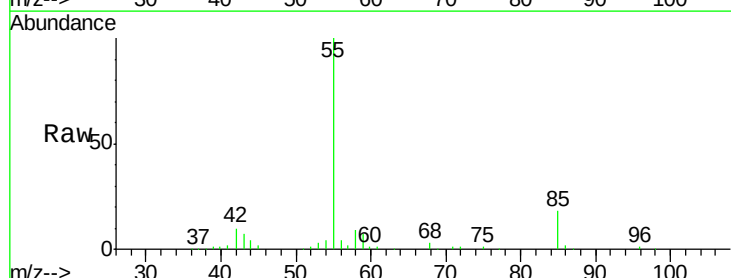
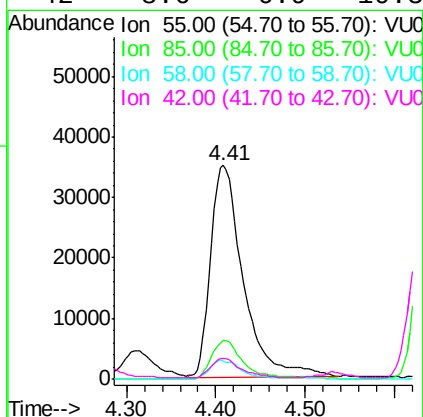
MMDadoda

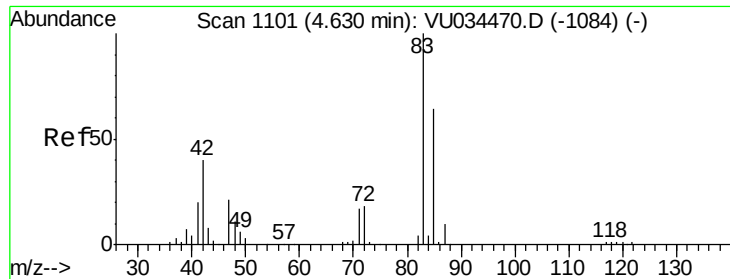
9/12/2019 4:53:31 PM



#40
Methyl acrylate
Concen: 9.574 ug/l
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	55	Resp	88495
Ion	Ratio	Lower	Upper
55	100		
85	17.2	13.8	20.6
58	8.8	7.0	10.6
42	8.6	6.9	10.3



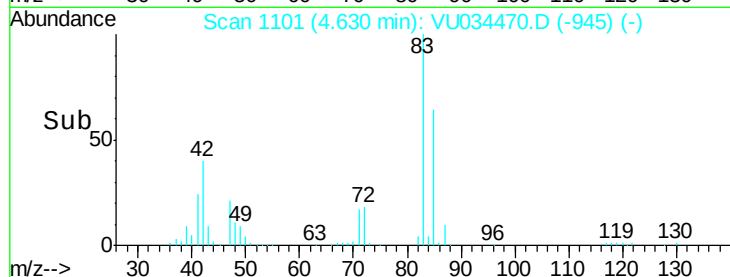
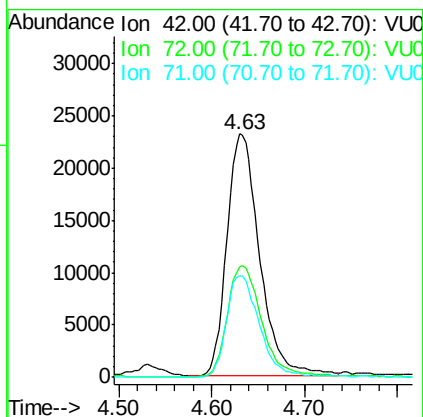
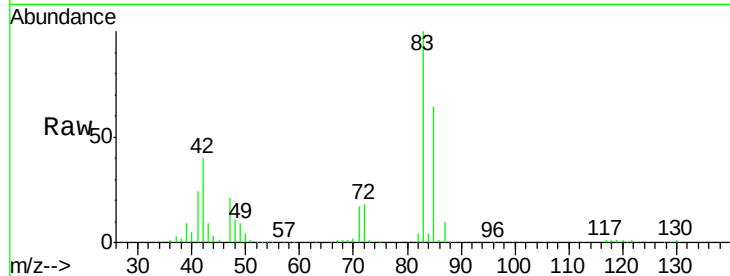


#41
Tetrahydrofuran
Concen: 19.035 ug/l
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

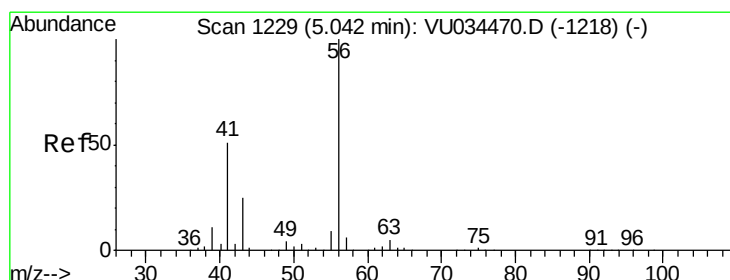
Tot Ion	Ratio	Resp	Lower	Upper
42	100	56591		
72	49.5		39.6	59.4
71	42.0		33.6	50.4

Manual Integrations
APPROVED



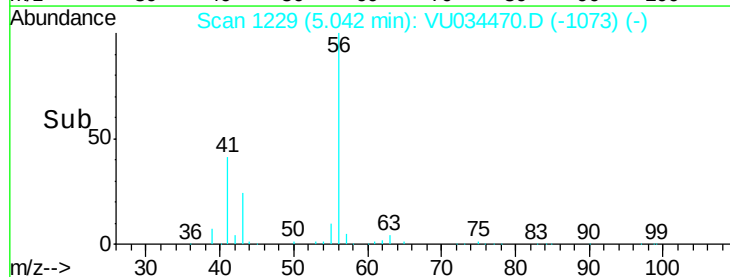
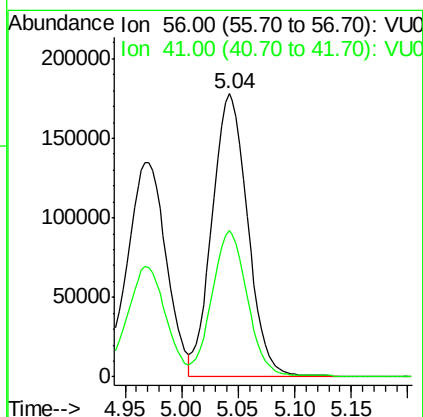
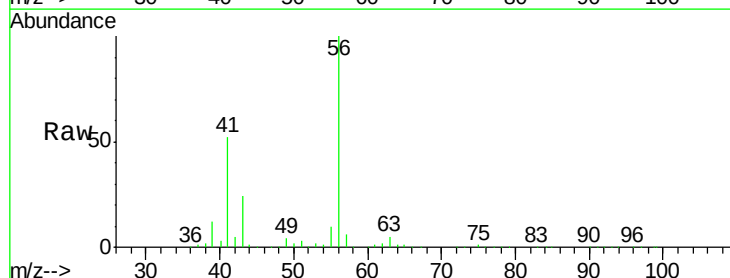
MMDadoda

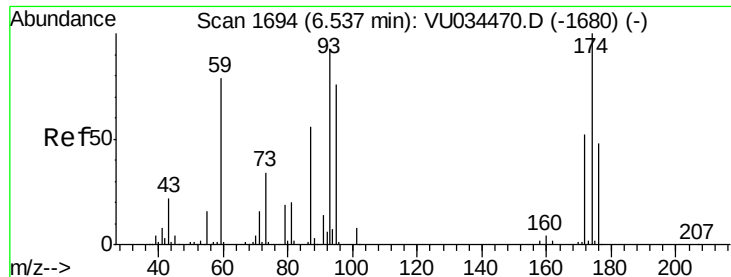
9/12/2019 4:53:31 PM



#42
1-Chlorobutane
Concen: 10.441 ug/l
RT: 5.04 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	385288		
41	51.0		25.5	76.5





#43

Dibromomethane

Concen: 8.173 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 93 Resp: 95689

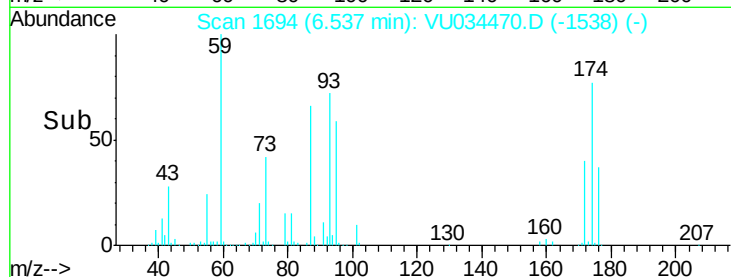
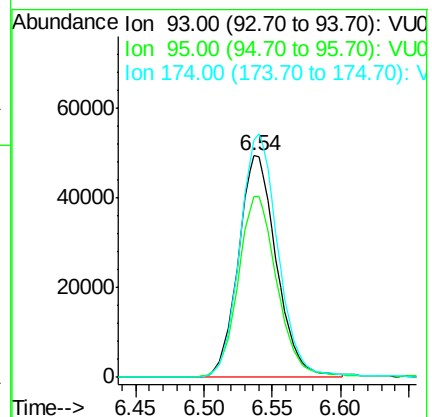
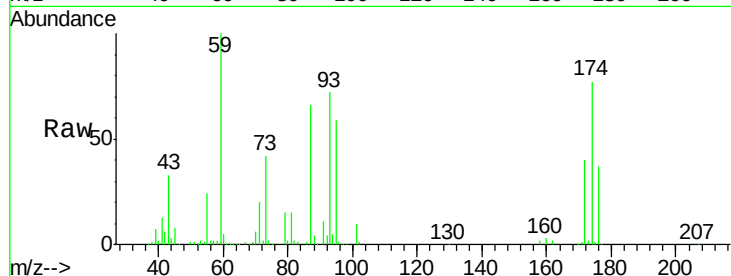
Ion Ratio Lower Upper

93 100

95 83.9 67.1 100.7

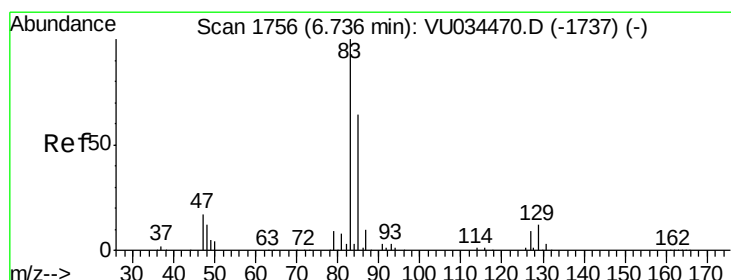
174 110.9 88.7 133.1

Manual Integrations
APPROVED



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#44

Bromodichloromethane

Concen: 8.785 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

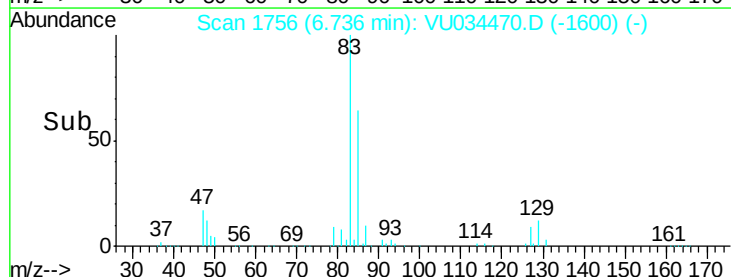
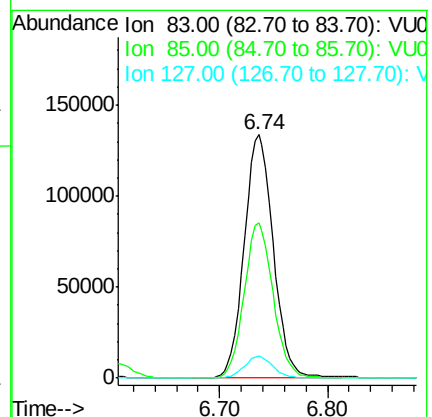
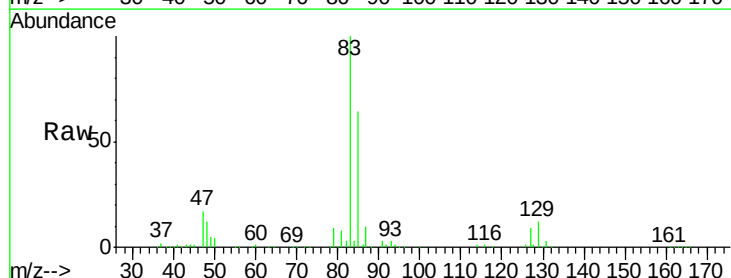
Tgt Ion: 83 Resp: 251763

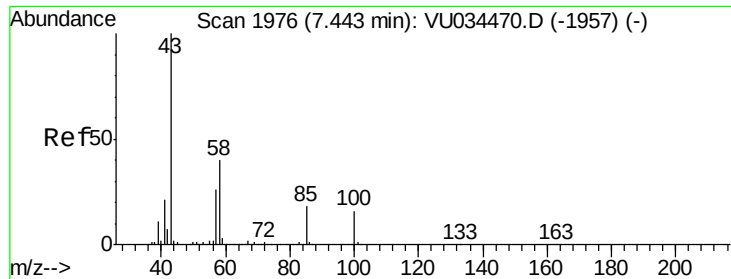
Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

127 8.9 7.1 10.7



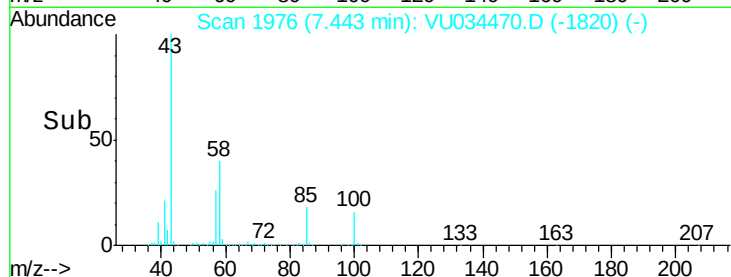
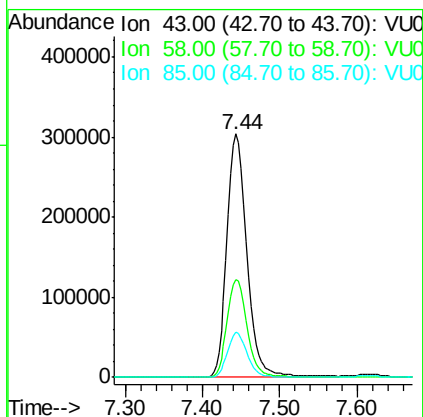
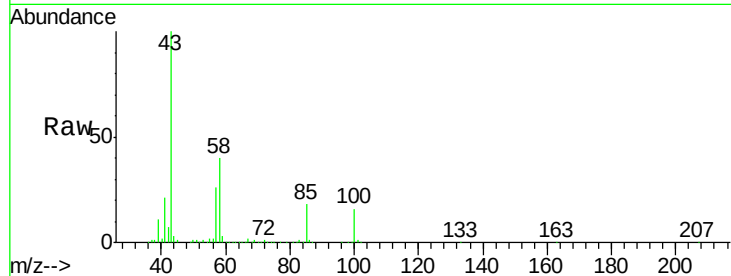


#45
4-Methyl-2-Pentanone
Concen: 45.513 ug/l
RT: 7.44 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

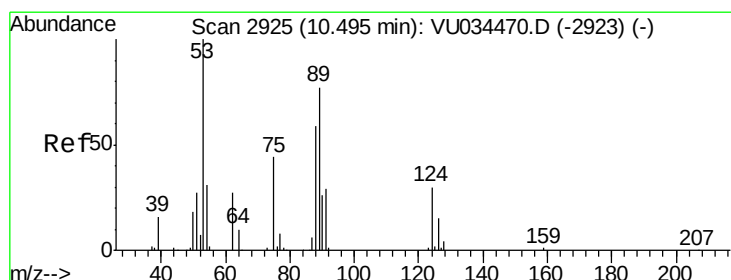
Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	20.2	60.6
85	18.2	14.6	21.8

Manual Integrations
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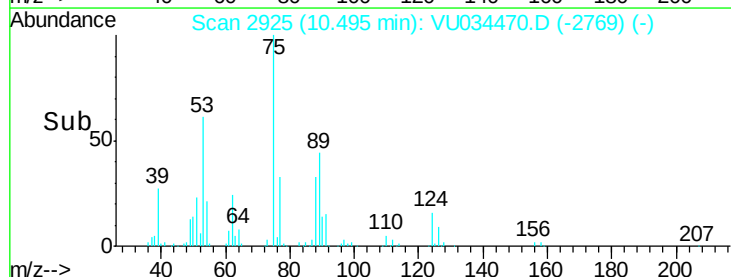
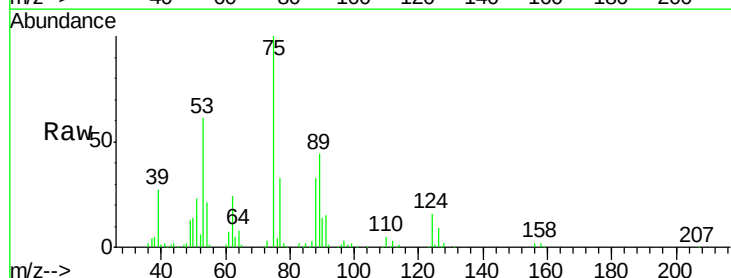
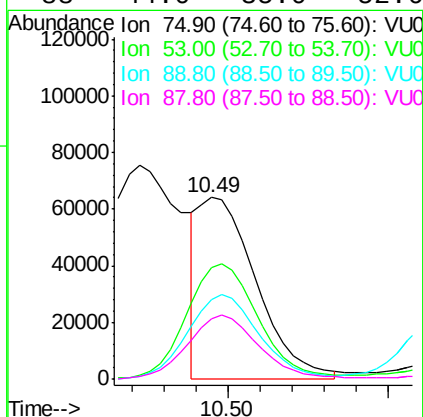
MMDadoda

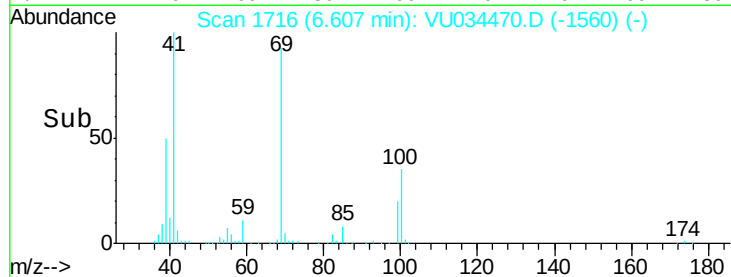
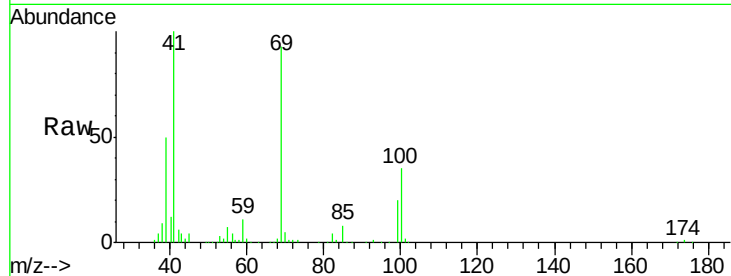
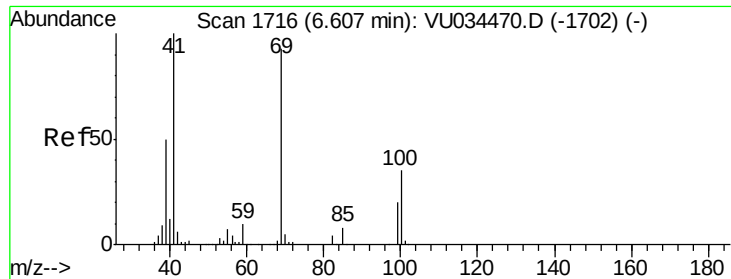
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#46
t-1,4-Dichloro-2-butene
Concen: 17.077 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

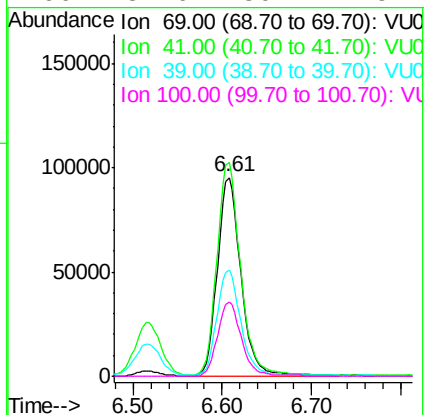
Tgt Ion	Ratio	Lower	Upper
75	100		
53	79.6	63.3	94.9
89	58.0	46.2	69.2
88	44.0	35.0	52.6





#47
Methyl methacrylate
Concen: 19.406 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	106.4	0.0	212.8		
39	53.7	43.0	64.4		
100	37.6	30.1	45.1		

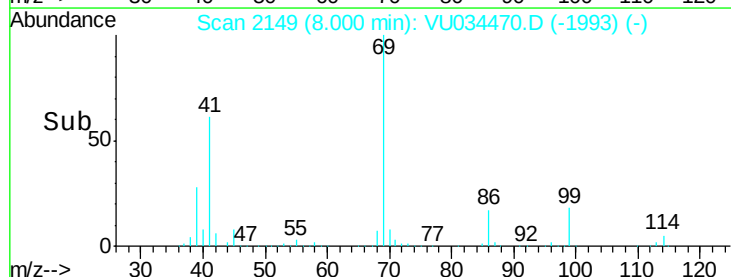
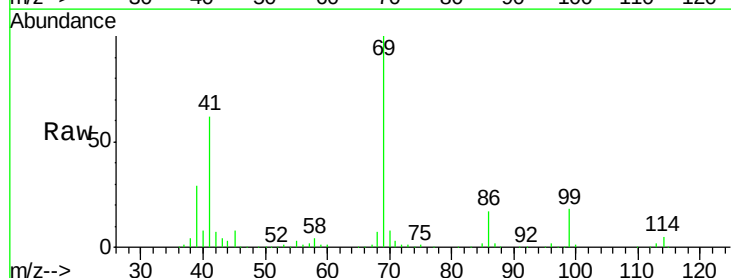
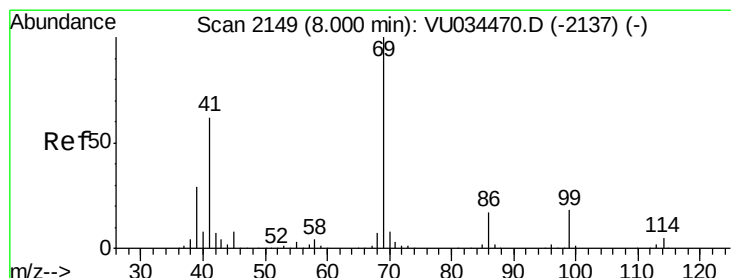


Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

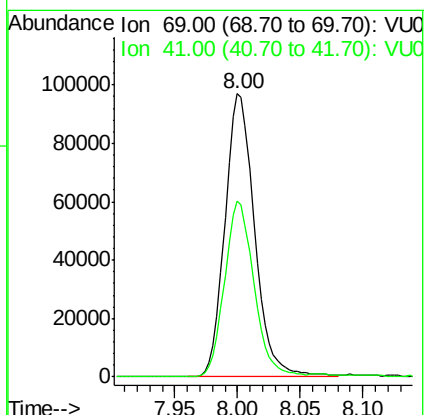
MMDadoda

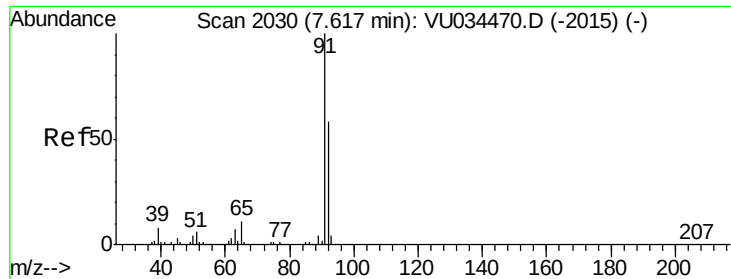
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#48
Ethyl methacrylate
Concen: 10.055 ug/l
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	61.2	30.6	91.8		





#49

Toluene

Concen: 10.982 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 92 Resp: 499625

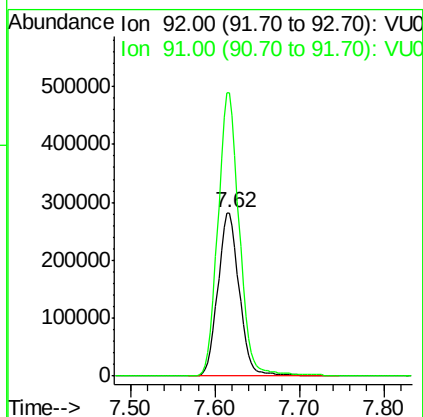
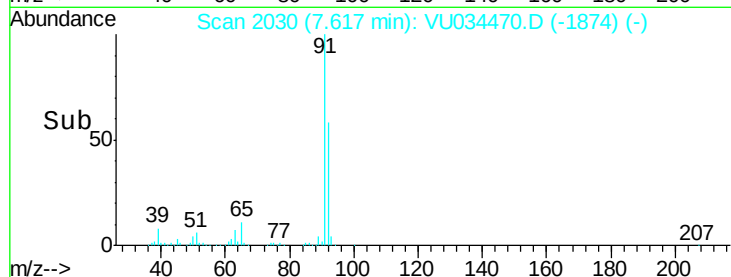
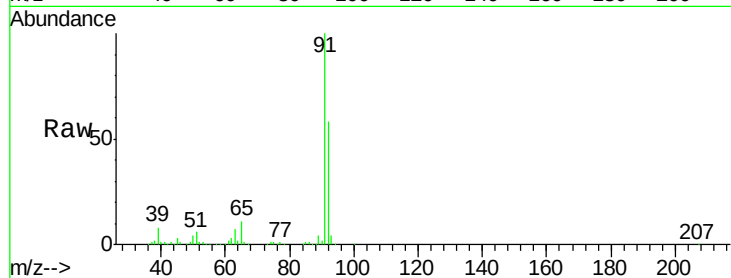
Ion Ratio Lower Upper

92 100

91 173.3 138.6 208.0

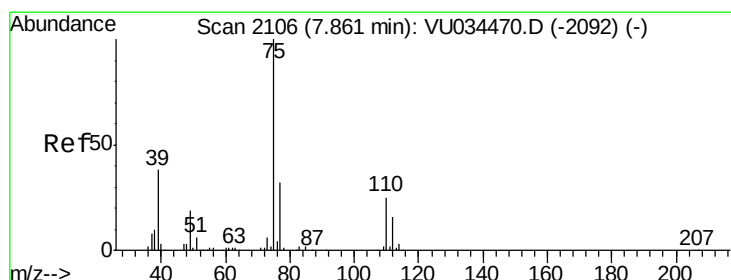
Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 9.254 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034470.D

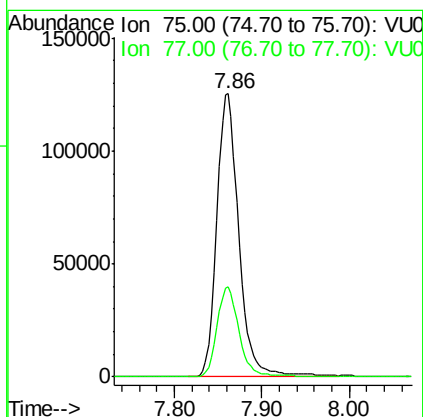
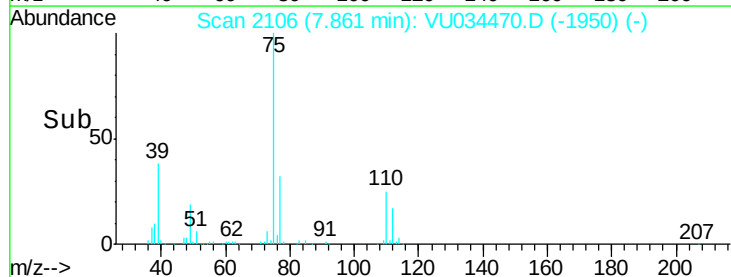
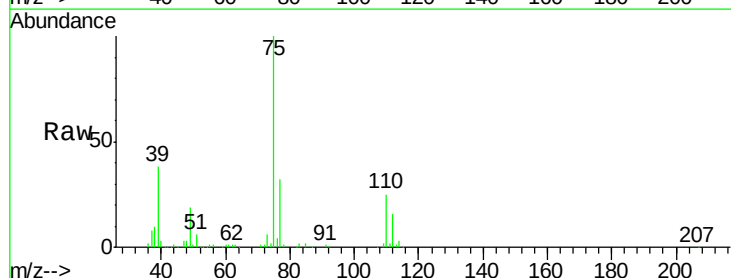
Acq: 11 Sep 2019 11:34

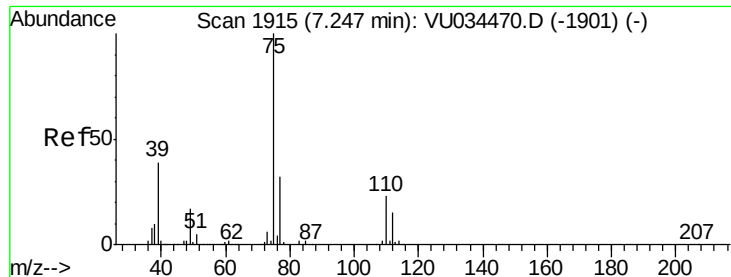
Tgt Ion: 75 Resp: 219706

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



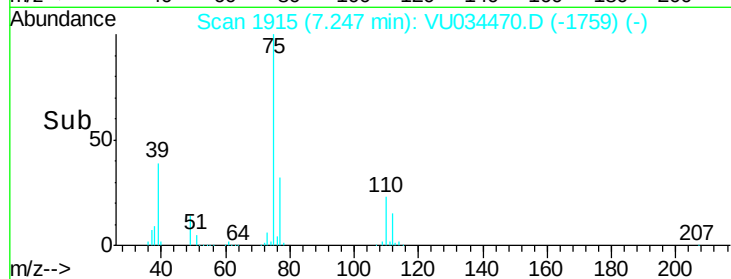
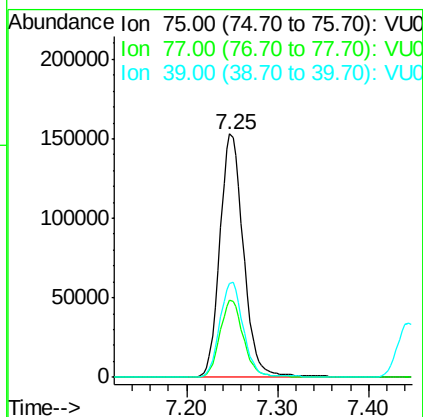
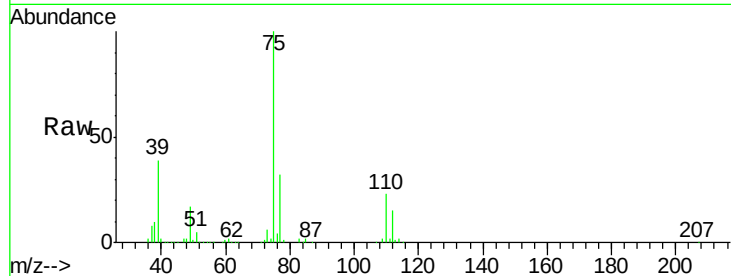


#51
 cis-1,3-Dichloropropene
 Concen: 9.736 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

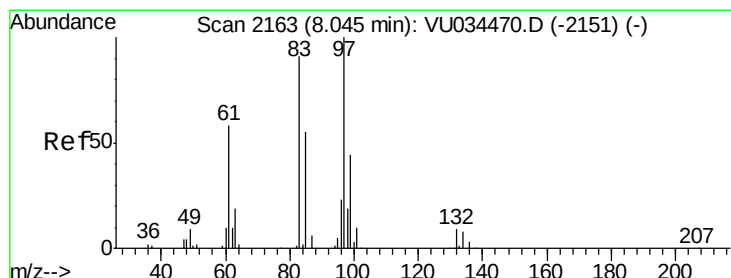
Tot Ion:	75	Resp:	277408
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	38.7	31.0	46.4

Manual Integrations
 APPROVED



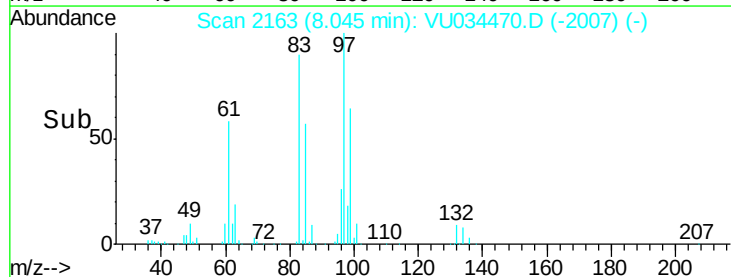
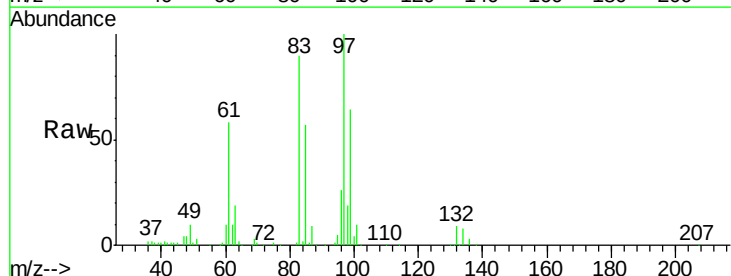
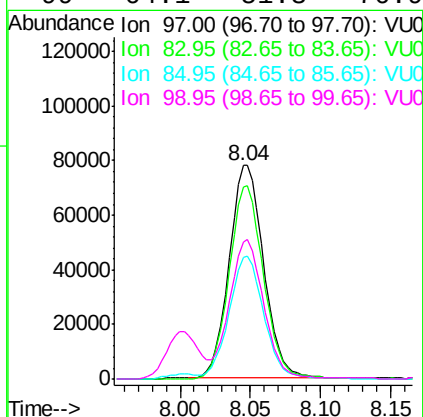
MMDadoda

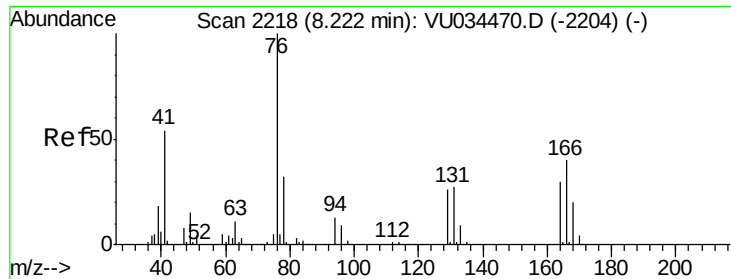
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#52
 1,1,2-Trichloroethane
 Concen: 8.464 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion:	97	Resp:	133011
Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.5	108.7
85	56.7	45.4	68.0
99	64.1	51.3	76.9



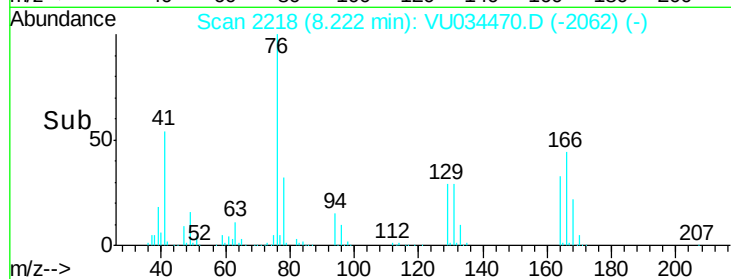
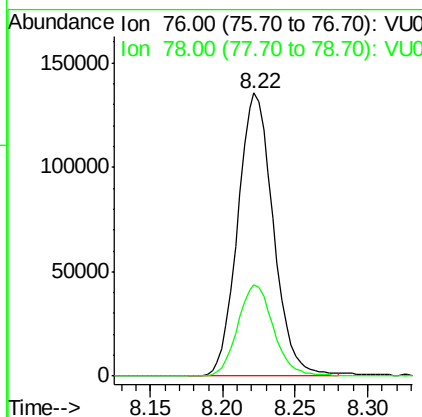
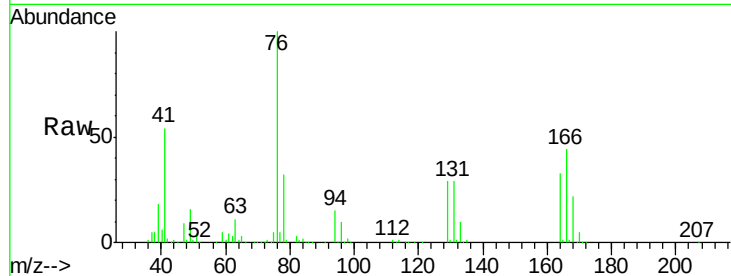


#53
 1,3-Dichloropropane
 Concen: 8.695 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

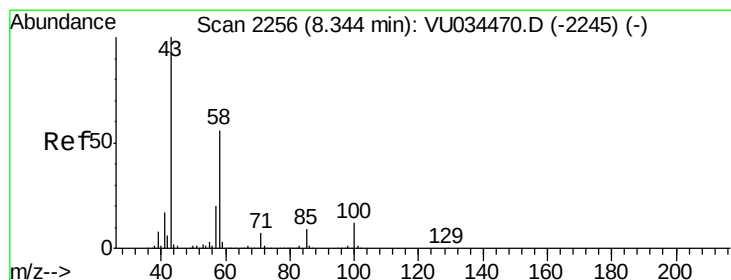
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

Manual Integrations
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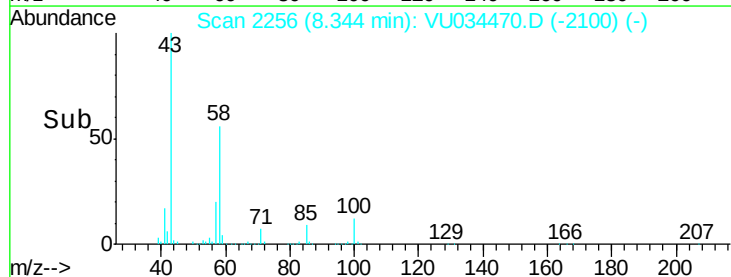
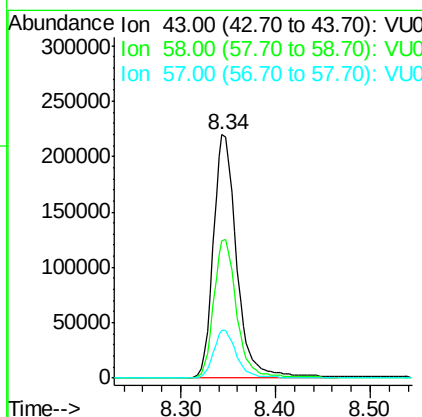
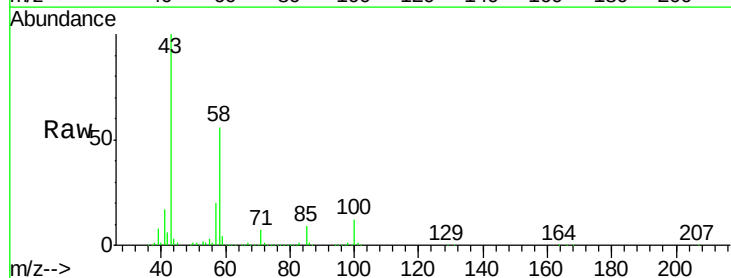
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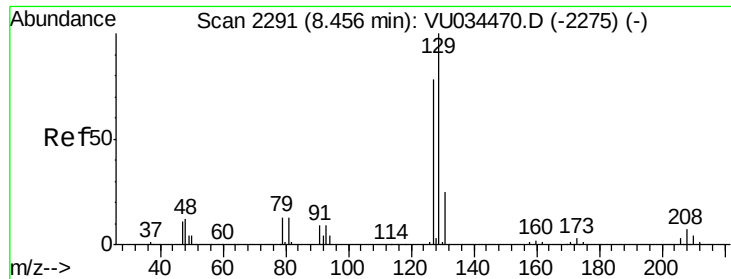
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#54
 2-Hexanone
 Concen: 45.135 ug/l
 RT: 8.34 min Scan# 2256
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.4	36.4	76.4
57	19.5	0.0	39.5



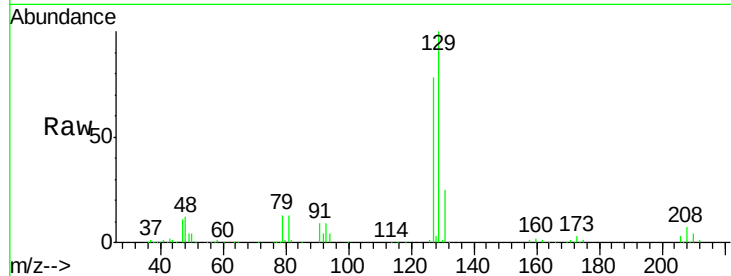


#55
 Dibromochloromethane
 Concen: 9.158 ug/l
 RT: 8.46 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

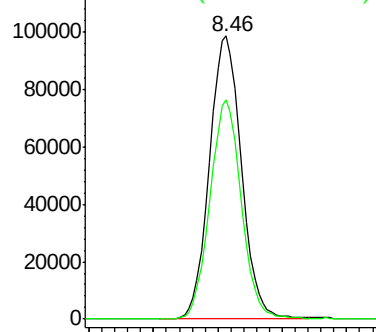
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.1	60.9	91.3

Manual Integrations
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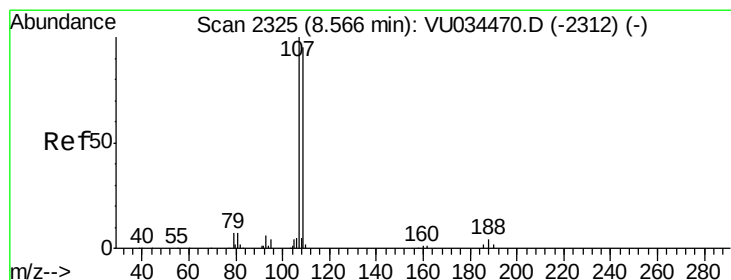
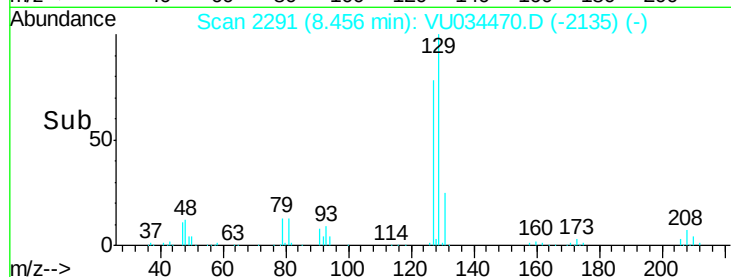


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V



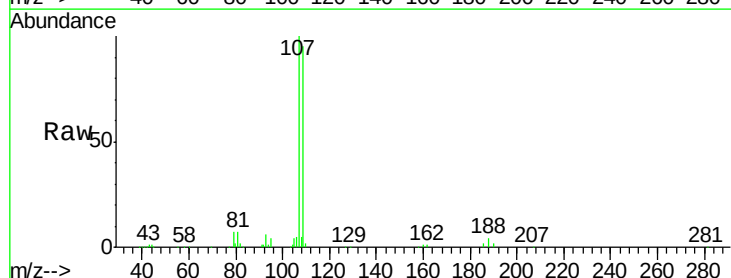
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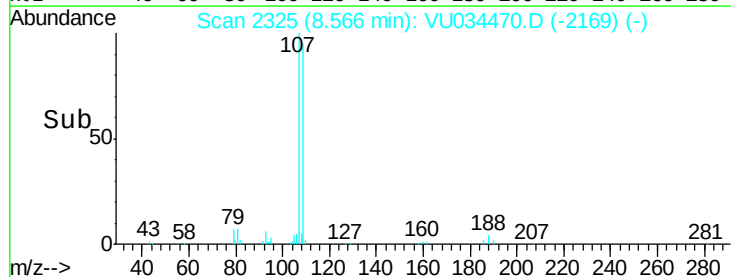
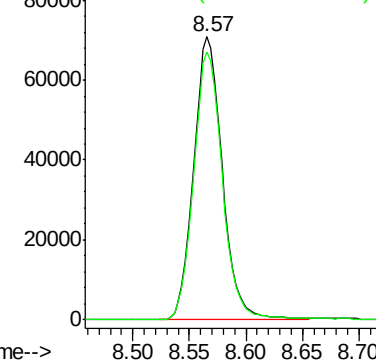


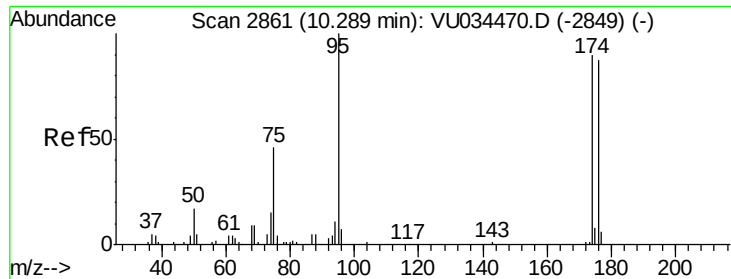
#56
 1,2-Dibromoethane
 Concen: 8.540 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	0.0	190.8



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V



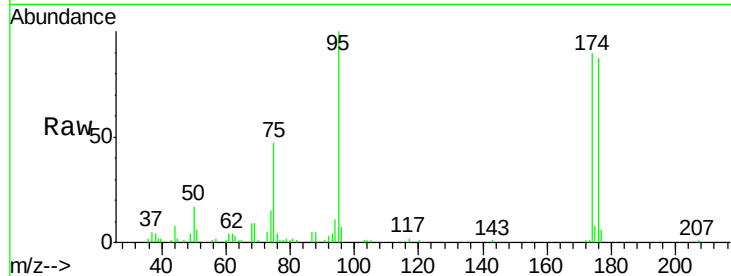


#57
4-Bromofluorobenzene
Concen: 1.016 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	87.6	70.1	105.1
176	84.6	67.7	101.5

Manual Integrations
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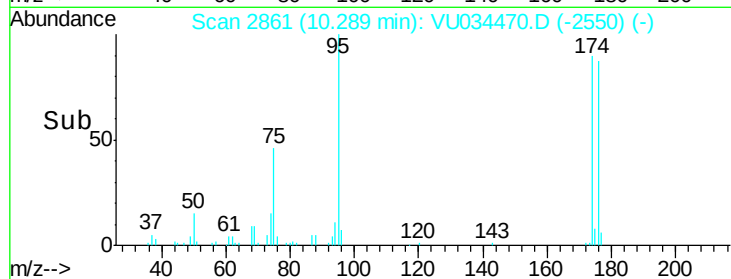
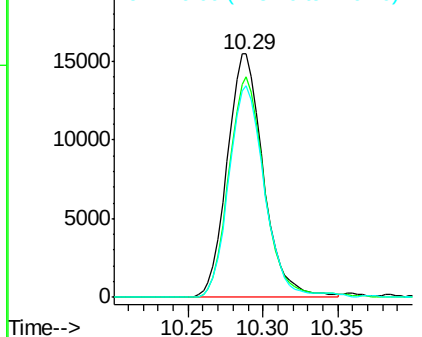


Abundance

Ion 95.00 (94.70 to 95.70): VU034470.D (-2849) (-)

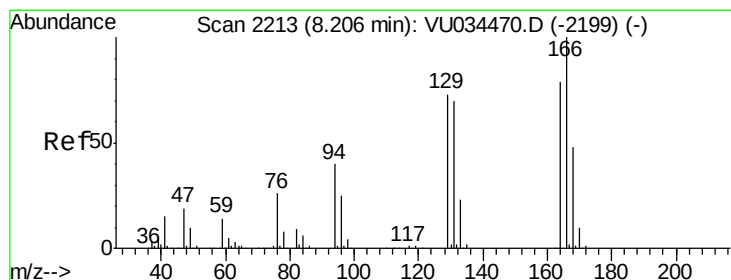
Ion 174.00 (173.70 to 174.70): VU034470.D (-2849) (-)

Ion 176.00 (175.70 to 176.70): VU034470.D (-2849) (-)



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#58
Tetrachloroethene
Concen: 10.980 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.5	152.3
129	92.3	73.8	110.8
131	89.4	71.5	107.3

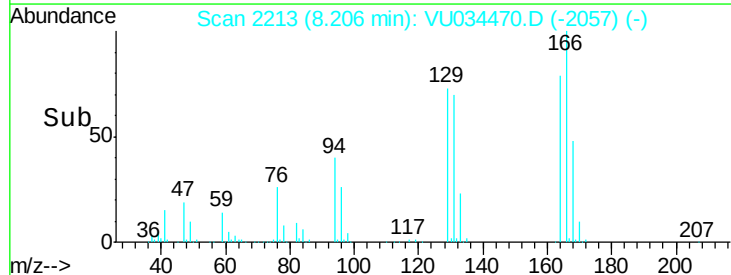
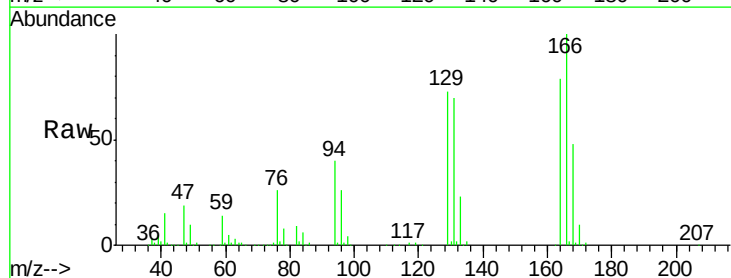
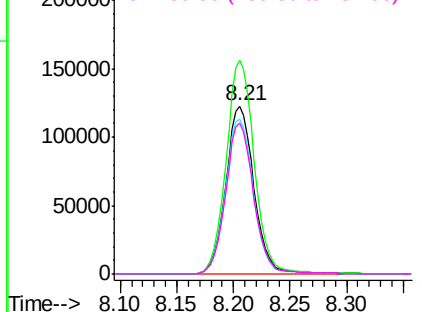
Abundance

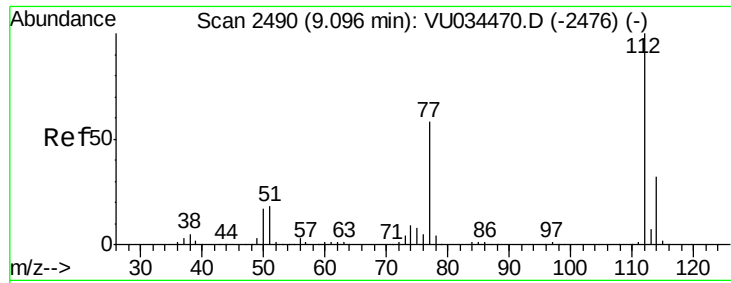
Ion 163.85 (163.55 to 164.55): VU034470.D (-2199) (-)

Ion 165.80 (165.50 to 166.50): VU034470.D (-2199) (-)

Ion 128.90 (128.60 to 129.60): VU034470.D (-2199) (-)

Ion 130.90 (130.60 to 131.60): VU034470.D (-2199) (-)



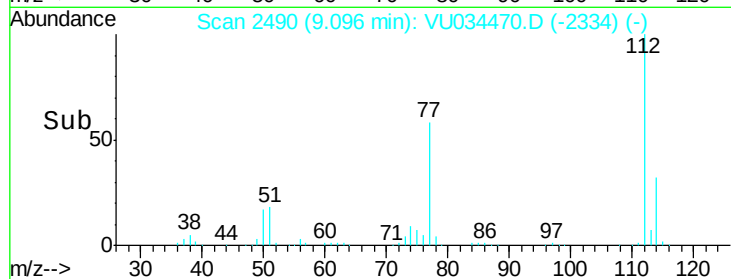
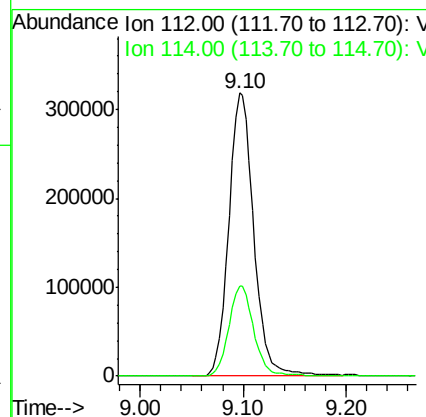
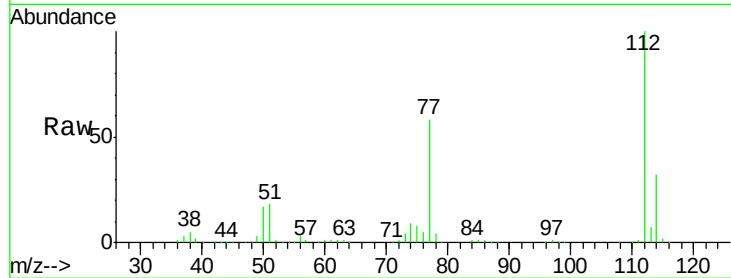


#59
Chlorobenzene
Concen: 10.346 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

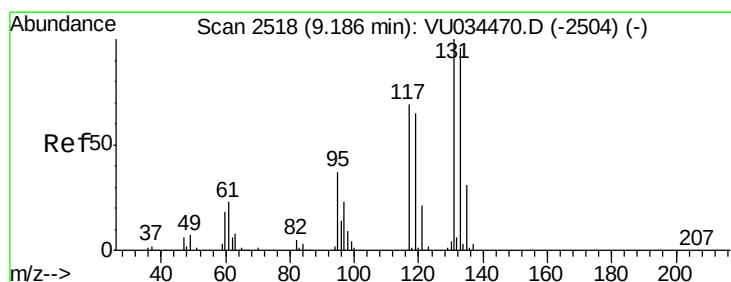
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4

Manual Integrations
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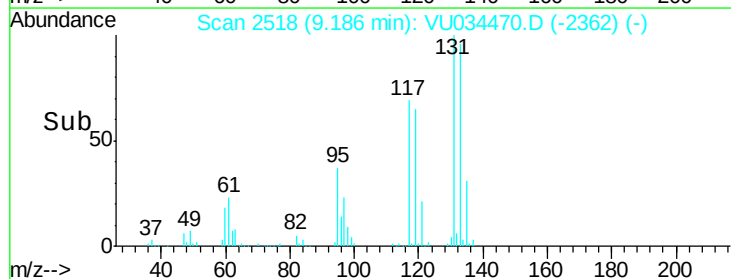
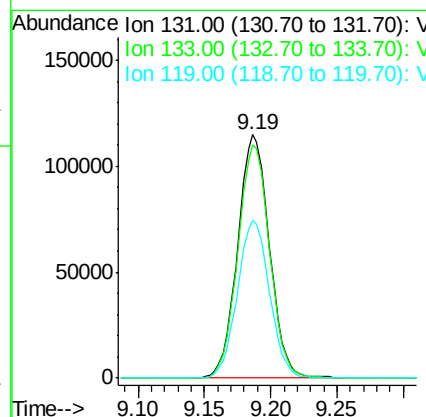
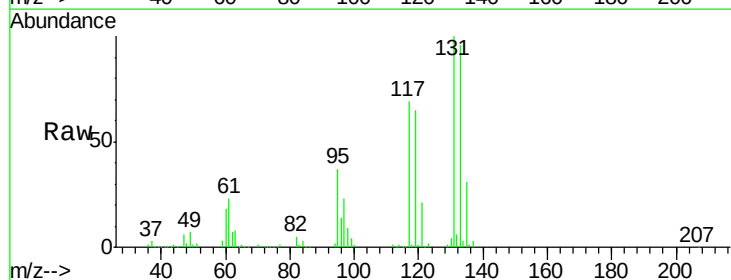
MMDadoda

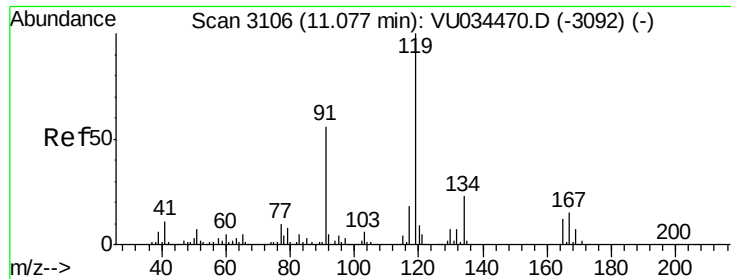
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#60
1,1,1,2-Tetrachloroethane
Concen: 9.678 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.8	115.2
119	65.5	52.4	78.6



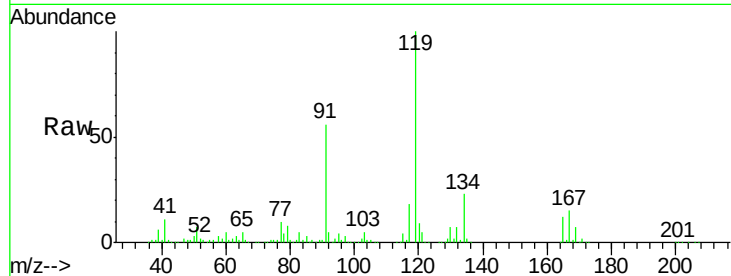


#61
 Pentachloroethane
 Concen: 9.313 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

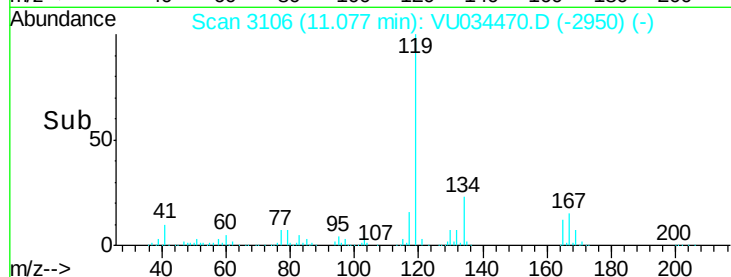
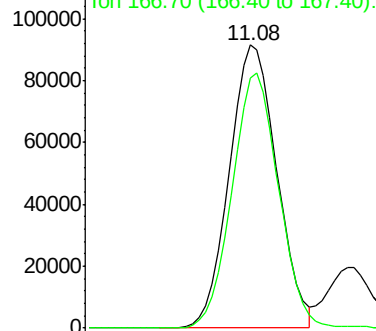
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:117 Resp: 150079
 Ion Ratio Lower Upper
 117 100
 167 88.4 70.7 106.1

Manual Integrations
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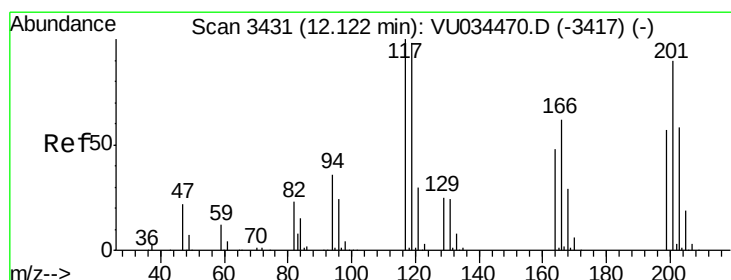


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V



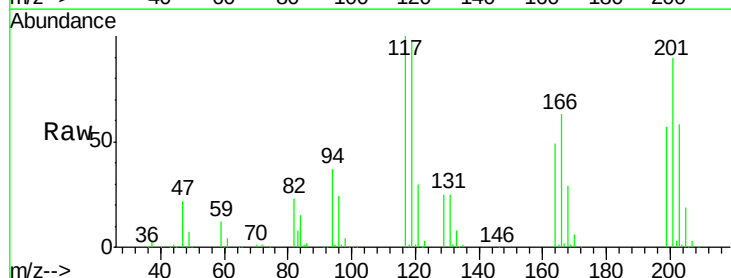
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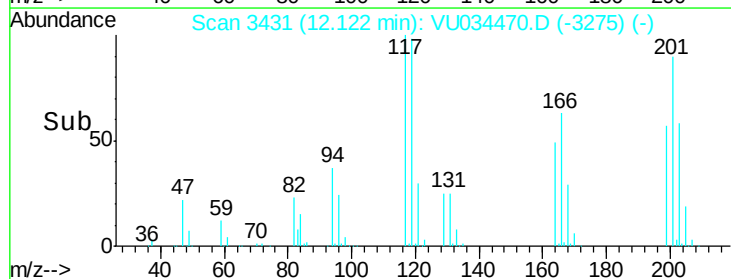
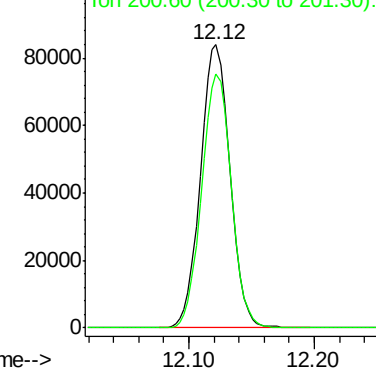


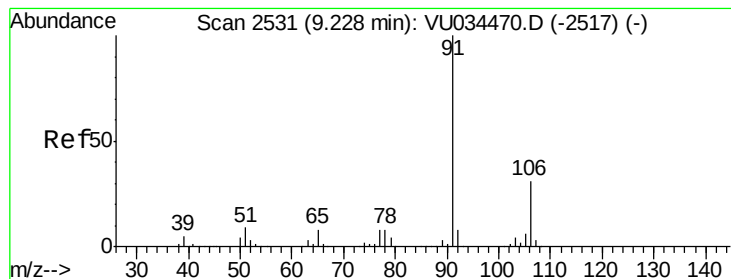
#62
 Hexachloroethane
 Concen: 8.921 ug/l
 RT: 12.12 min Scan# 3431
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion:117 Resp: 137150
 Ion Ratio Lower Upper
 117 100
 201 89.8 71.8 107.8



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 11.201 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 936282

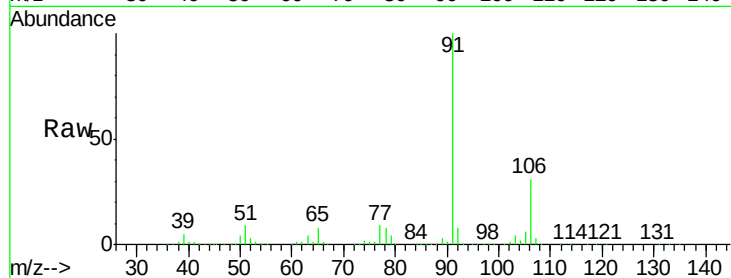
Ion Ratio Lower Upper

91 100

106 31.5 25.2 37.8

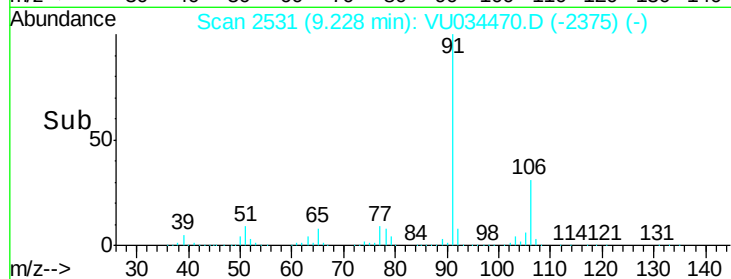
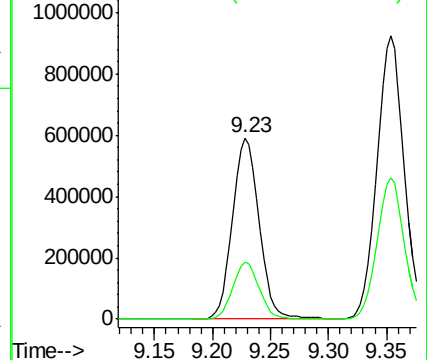
Manual Integrations

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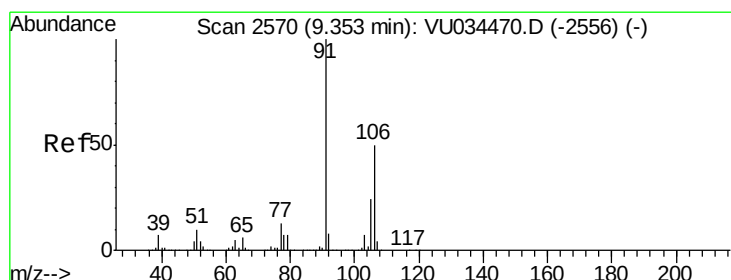
Abundance Ion 91.00 (90.70 to 91.70): VU034470.D (-2517) (-)

Ion 106.00 (105.70 to 106.70): VU034470.D (-2517) (-)



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#64

m/p-Xylenes

Concen: 22.657 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034470.D

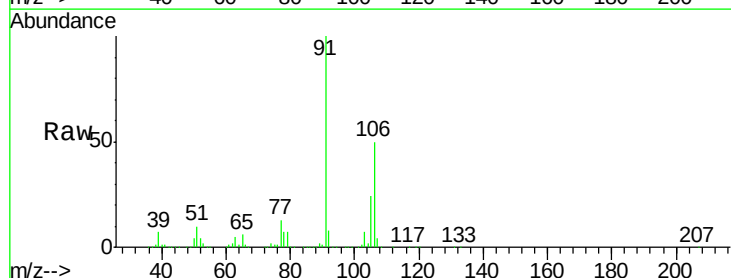
Acq: 11 Sep 2019 11:34

Tgt Ion: 106 Resp: 759009

Ion Ratio Lower Upper

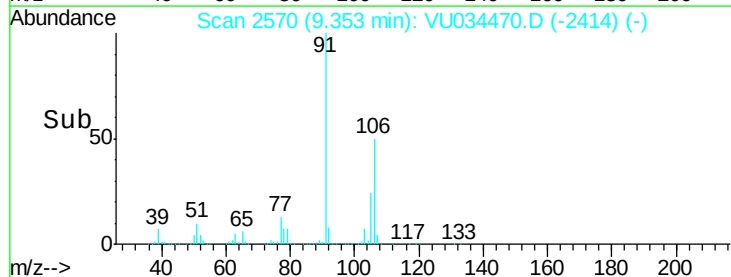
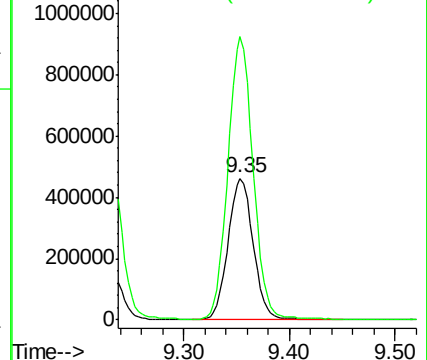
106 100

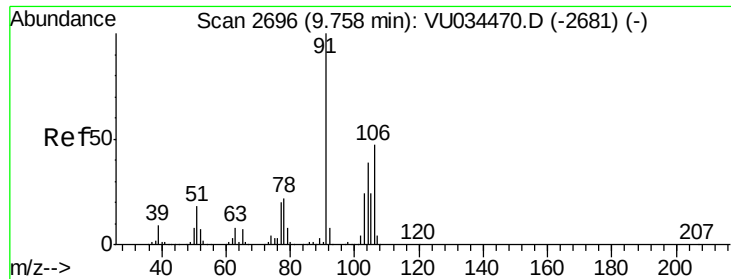
91 202.2 161.8 242.6



Abundance Ion 106.00 (105.70 to 106.70): VU034470.D (-2556) (-)

Ion 91.00 (90.70 to 91.70): VU034470.D (-2556) (-)



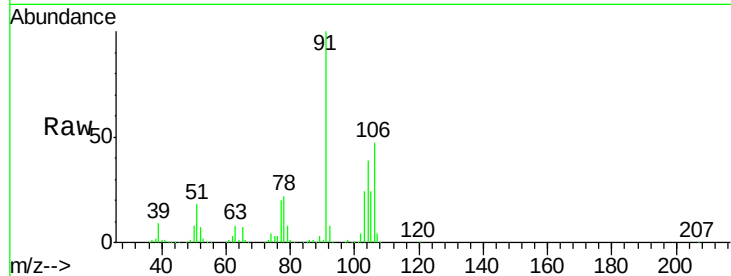


#65
o-Xylene
Concen: 11.164 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

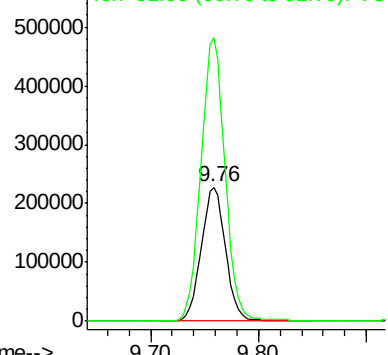
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.3	104.7	313.9

Manual Integrations
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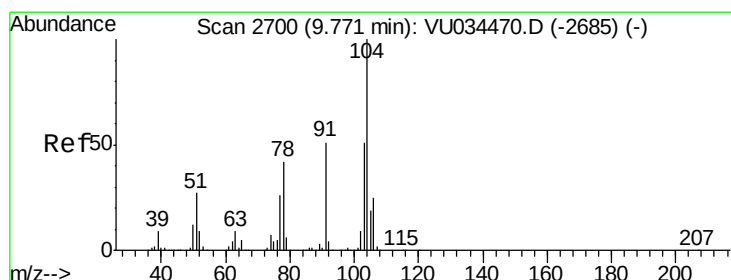
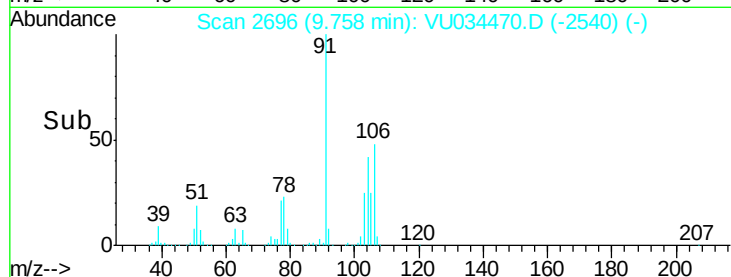


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



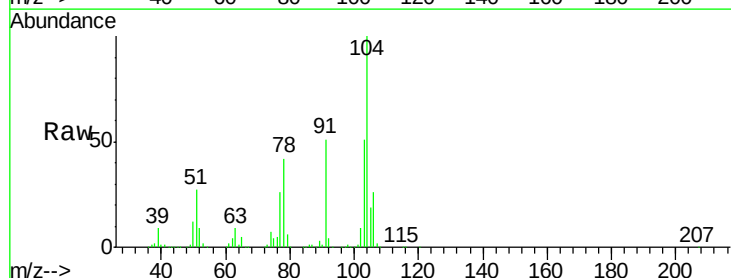
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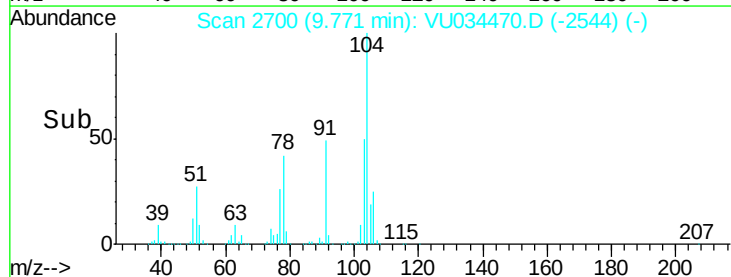
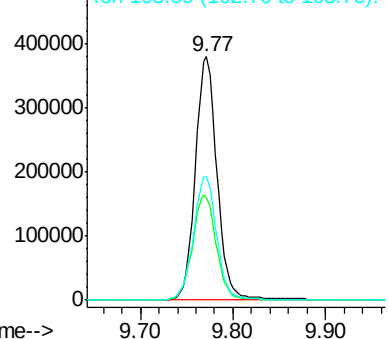


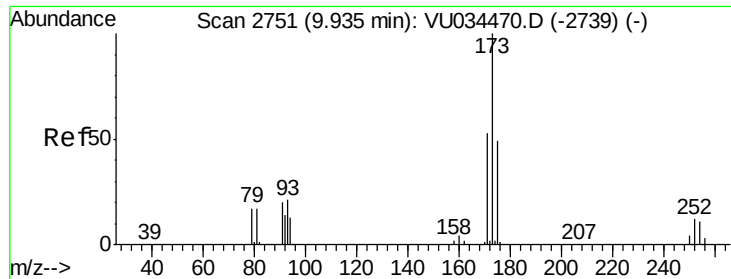
#66
Styrene
Concen: 11.419 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.8	56.6
103	54.8	43.8	65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 9.863 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

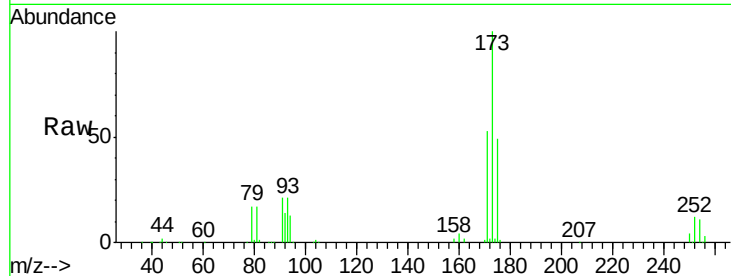
MSVOA_U

ClientSampleId :

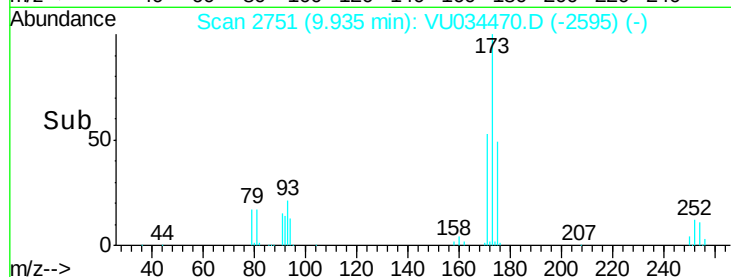
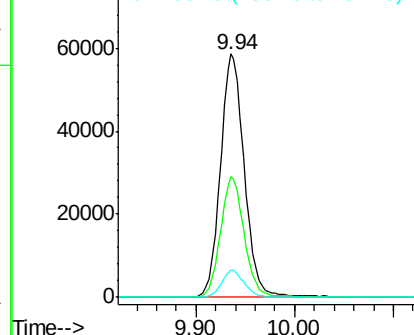
VSTDICCC010

Tot Ion:	173	Resp:	99747
Ion Ratio	Lower	Upper	
173	100		
175	48.9	39.1	58.7
254	10.8	8.6	13.0

Manual Integrations
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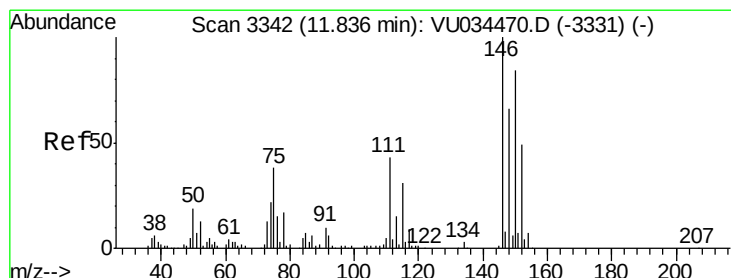


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 1.021 ug/l

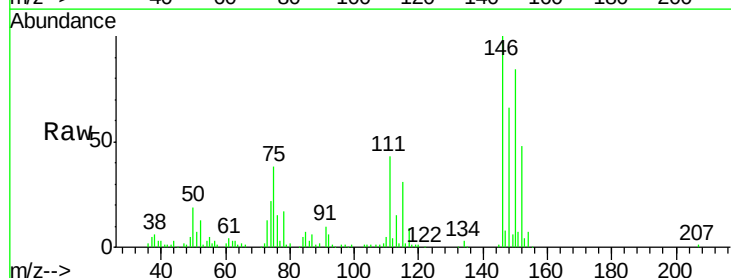
RT: 11.84 min Scan# 3342

Delta R.T. 0.00 min

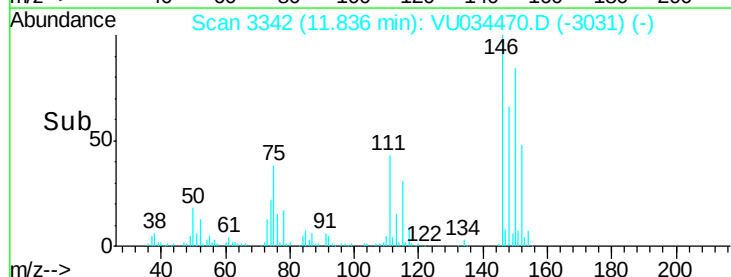
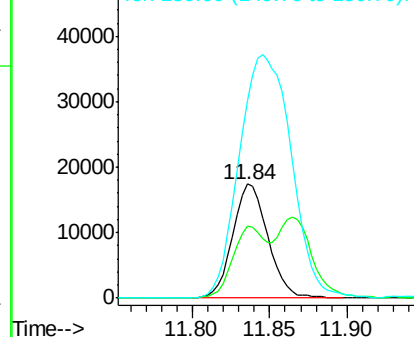
Lab File: VU034470.D

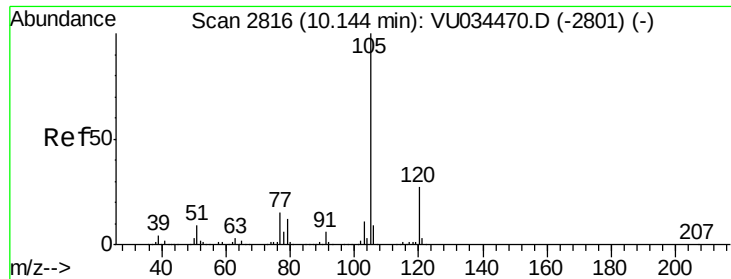
Acq: 11 Sep 2019 11:34

Tgt Ion:	152	Resp:	27461
Ion Ratio	Lower	Upper	
152	100		
115	63.3	0.0	126.6
150	316.8	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: 11.369 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

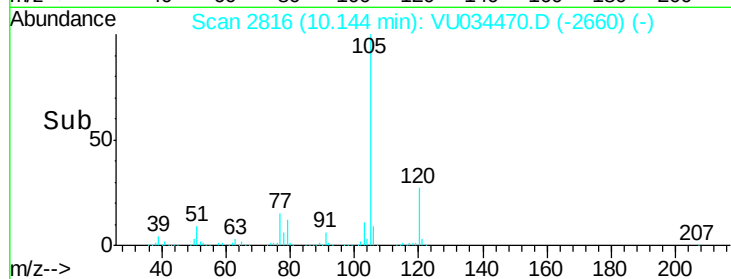
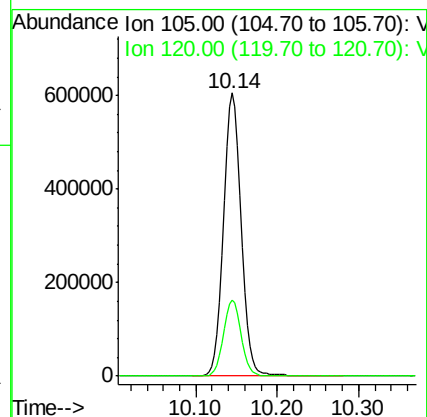
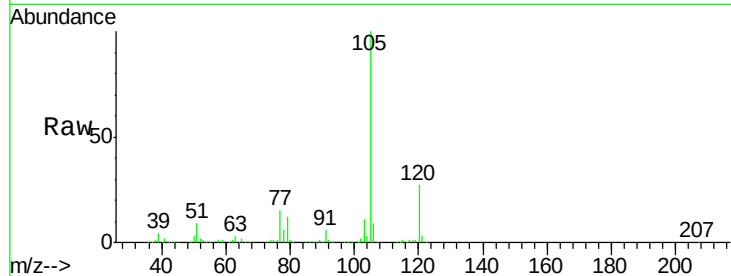
Tot Ion:105 Resp: 937211

Ion Ratio Lower Upper

105 100

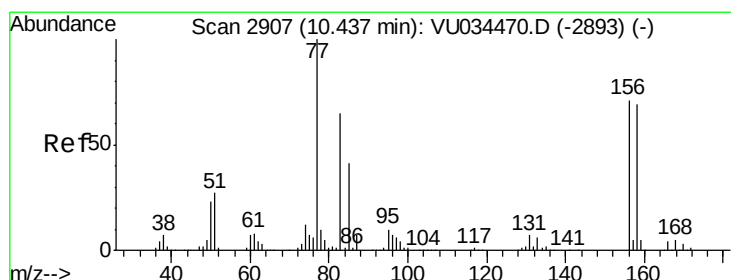
120 26.8 13.4 40.2

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 8.296 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

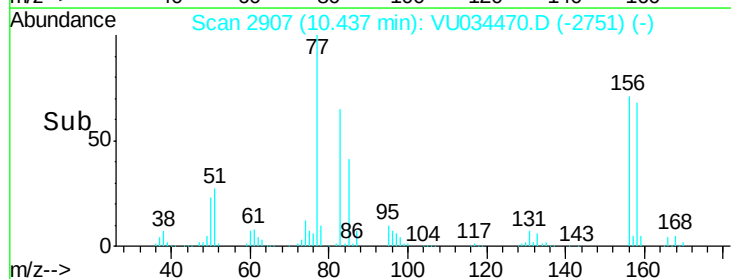
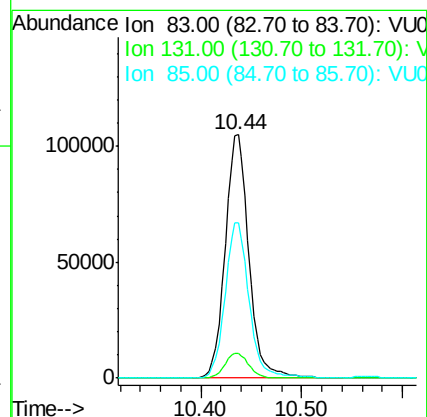
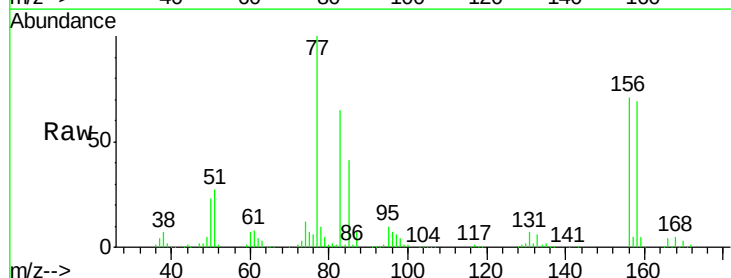
Tgt Ion: 83 Resp: 172421

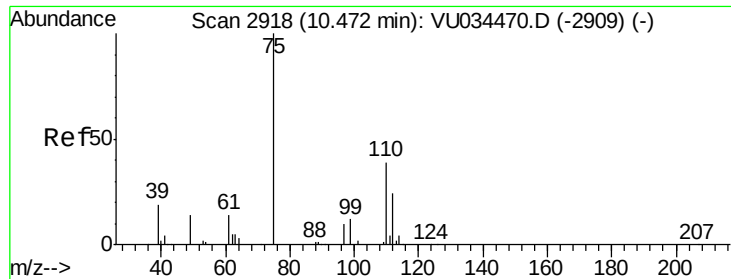
Ion Ratio Lower Upper

83 100

131 10.3 8.2 12.4

85 64.9 51.9 77.9



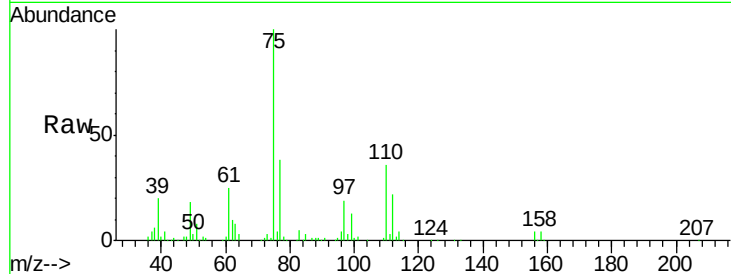


#71
1,2,3-Trichloropropane
Concen: 8.107 ug/l m
RT: 10.47 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

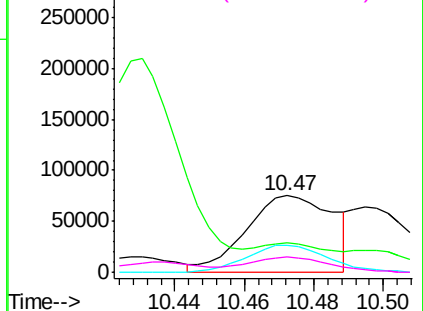
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	100		130591		
77	0.0	0.0	0.0		
110	33.4	0.0	66.8		
97	17.8	0.0	35.6		

Manual Integrations
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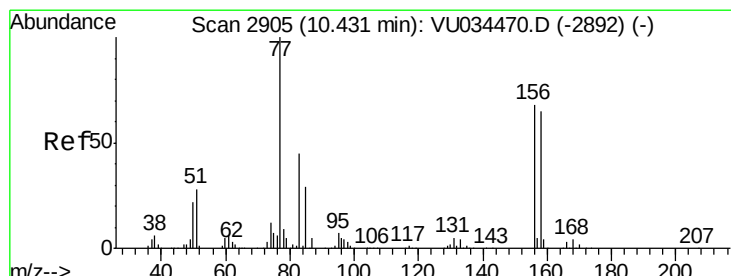
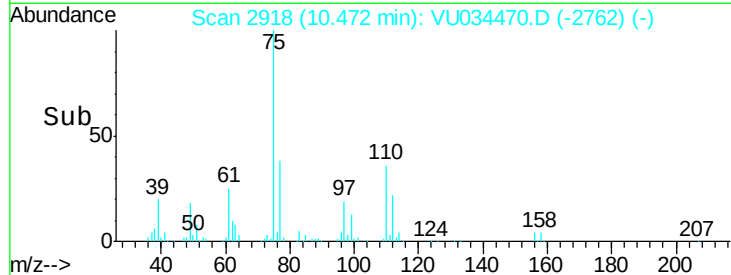


Abundance Ion 75.00 (74.70 to 75.70): VU034470.D (-2909) (-)
Ion 77.00 (76.70 to 77.70): VU034470.D (-2909) (-)
Ion 110.00 (109.70 to 110.70): VU034470.D (-2909) (-)
Ion 97.00 (96.70 to 97.70): VU034470.D (-2909) (-)



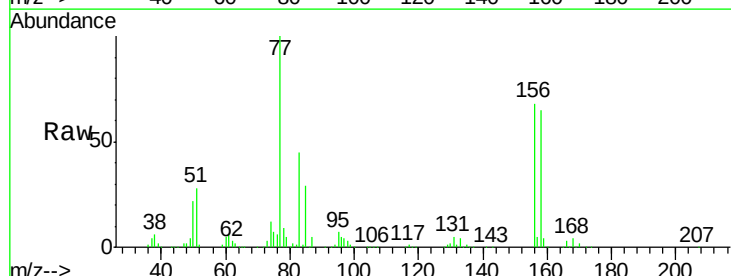
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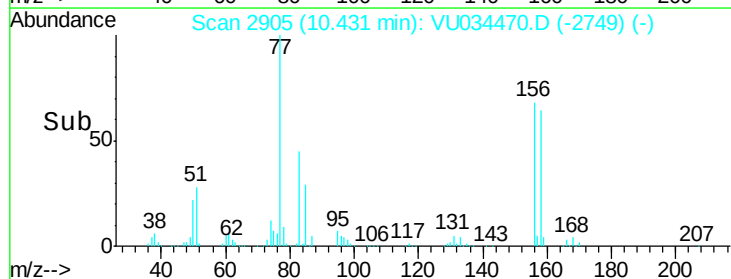
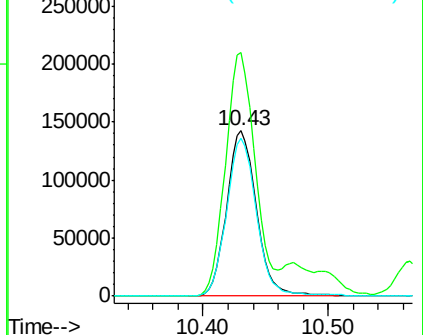


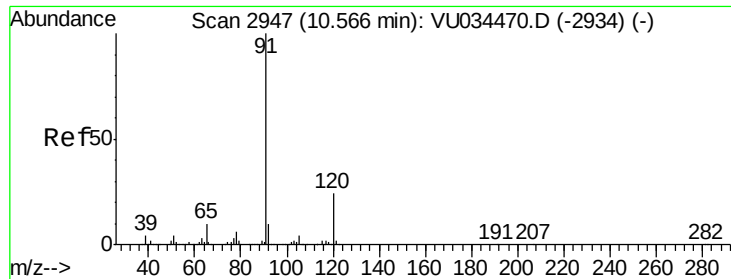
#72
Bromobenzene
Concen: 10.789 ug/l
RT: 10.43 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	100		235330		
77	146.8	0.0	293.6		
158	96.3	0.0	192.6		



Abundance Ion 156.00 (155.70 to 156.70): VU034470.D (-2892) (-)
Ion 77.00 (76.70 to 77.70): VU034470.D (-2892) (-)
Ion 158.00 (157.70 to 158.70): VU034470.D (-2892) (-)



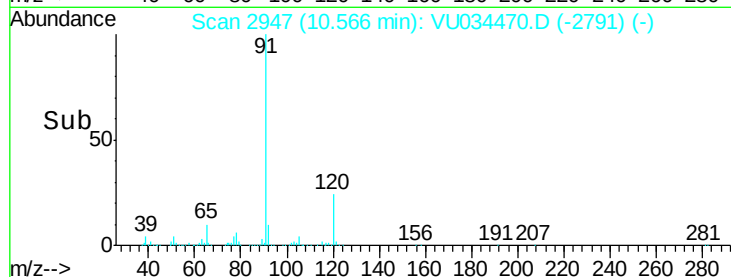
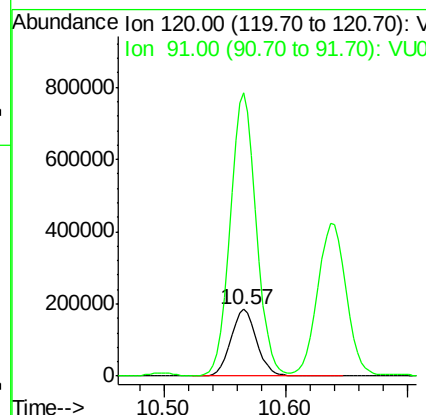
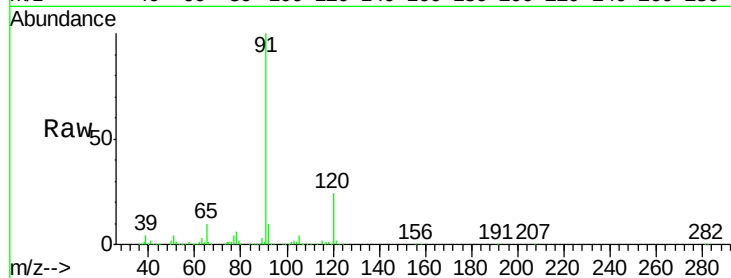


#73
n-propylbenzene
Concen: 11.711 ug/l
RT: 10.57 min Scan# 2947
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

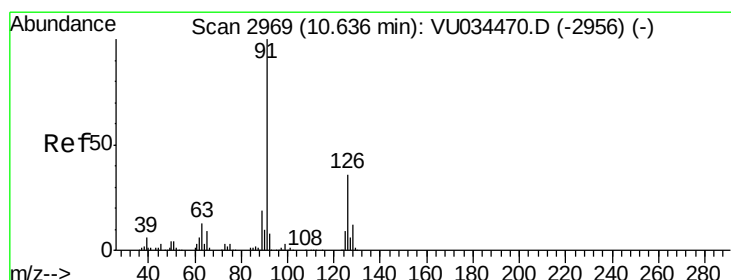
Tot Ion:120 Resp: 275767
Ion Ratio Lower Upper
120 100
91 423.9 339.1 508.7

Manual Integrations
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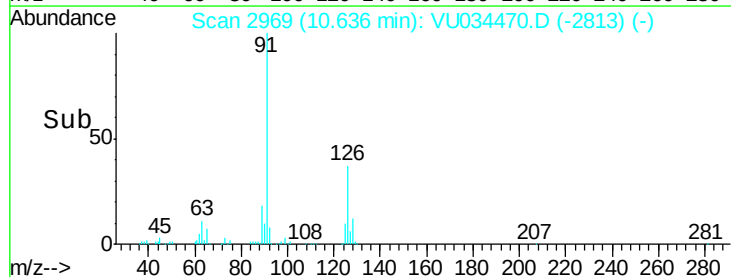
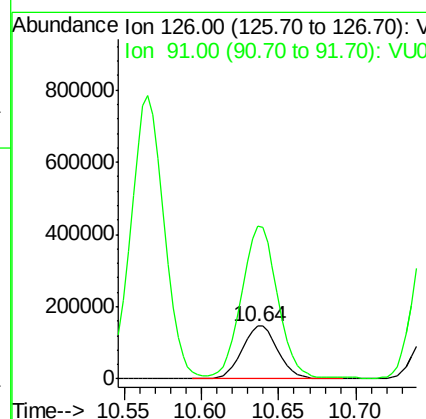
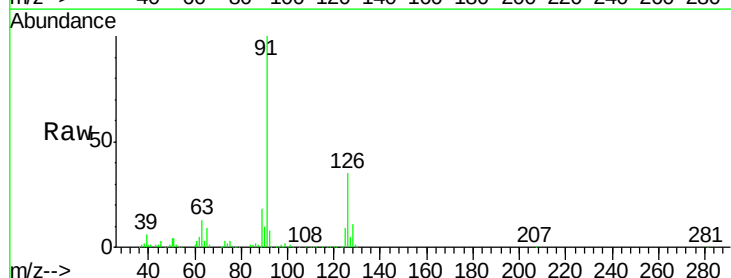
MMDadoda

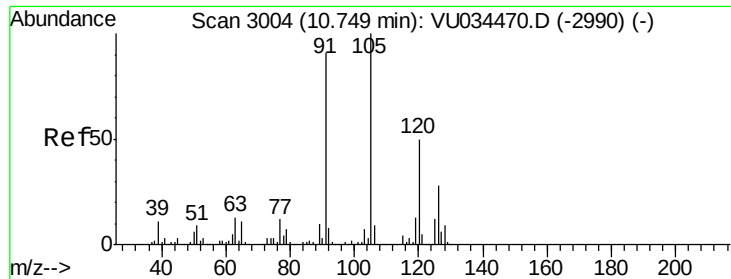
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#74
2-Chlorotoluene
Concen: 11.031 ug/l
RT: 10.64 min Scan# 2969
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion:126 Resp: 235770
Ion Ratio Lower Upper
126 100
91 291.2 0.0 582.4





#75

1,3,5-Trimethylbenzene

Concen: 11.538 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

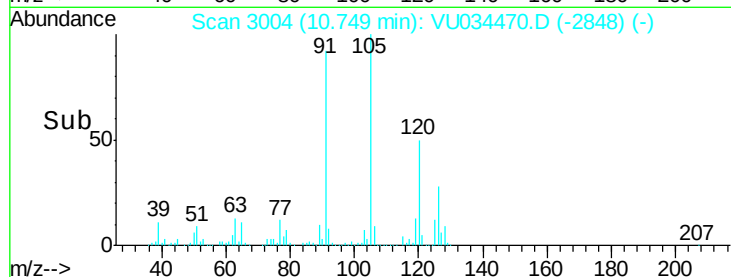
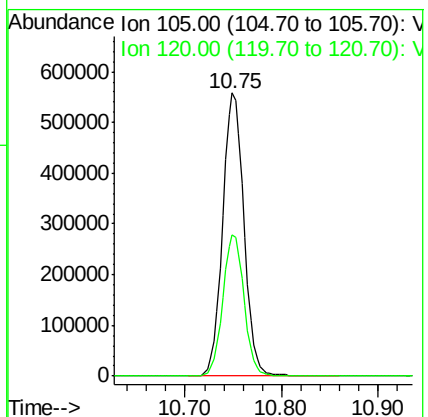
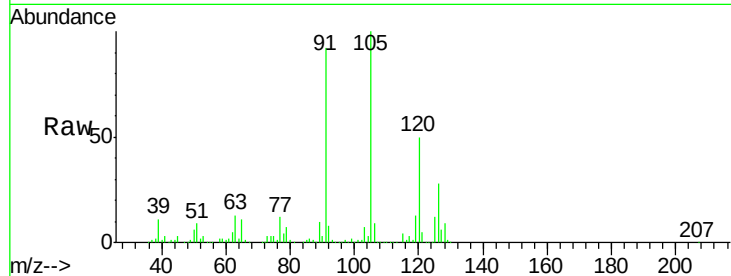
Tot Ion:105 Resp: 850604

Ion Ratio Lower Upper

105 100

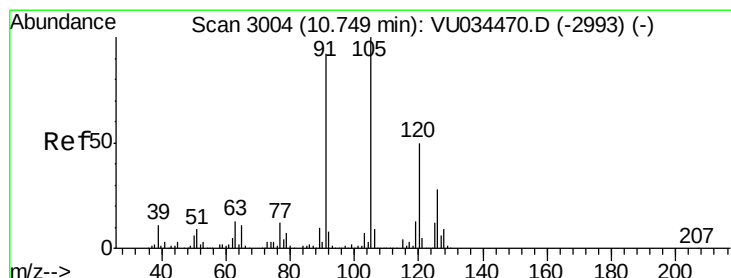
120 49.8 39.8 59.8

Manual Integrations
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#76

4-Chlorotoluene

Concen: 10.761 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034470.D

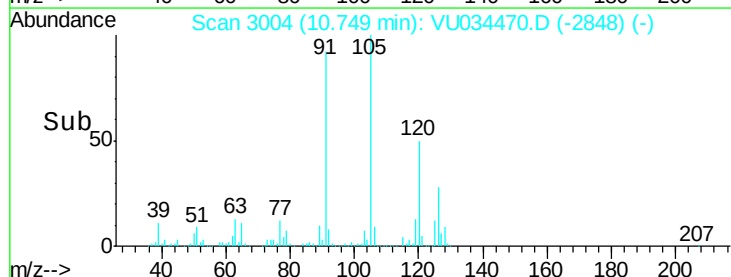
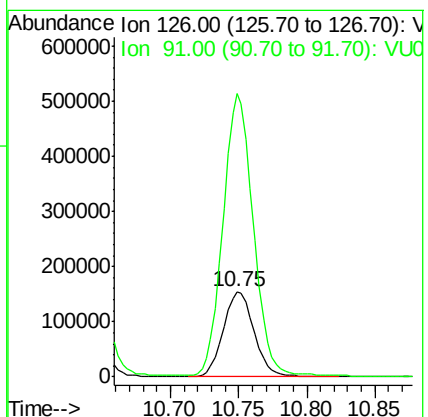
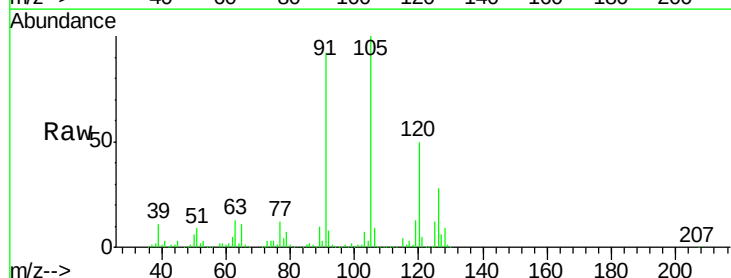
Acq: 11 Sep 2019 11:34

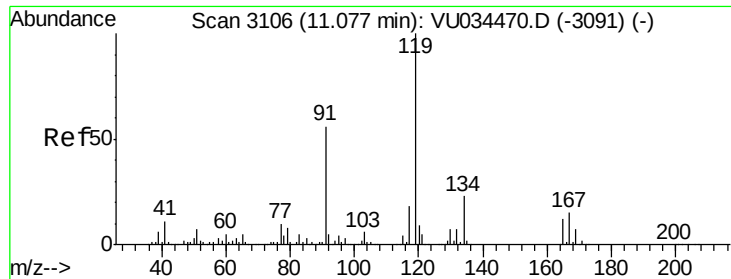
Tgt Ion:126 Resp: 238221

Ion Ratio Lower Upper

126 100

91 333.8 0.0 667.6



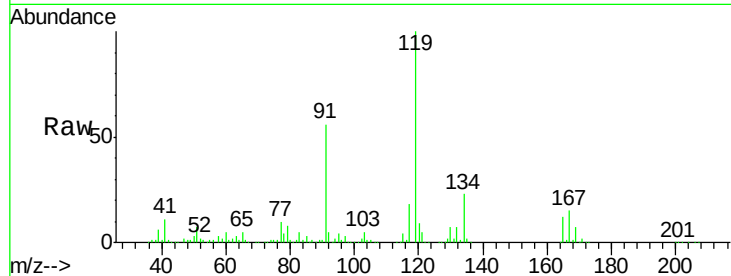


#77
 tert-Butylbenzene
 Concen: 11.437 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

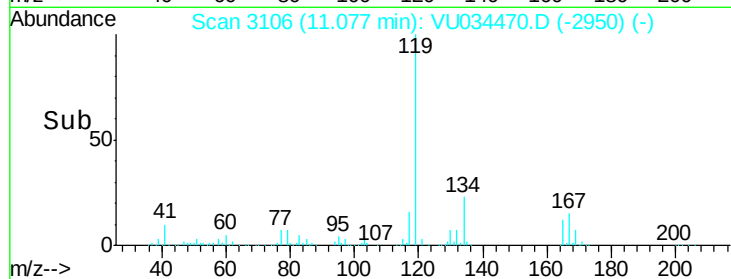
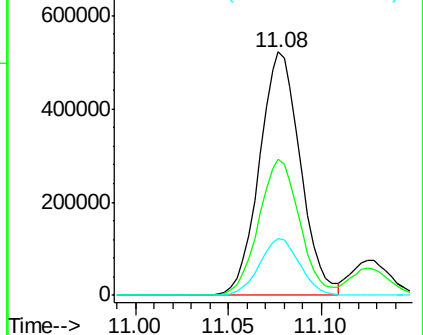
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.8	83.3
134	23.0	18.4	27.6

Manual Integrations
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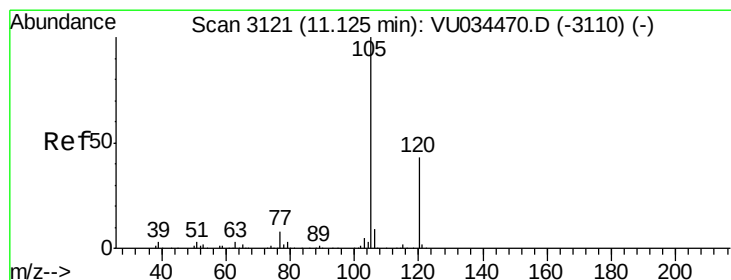


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V



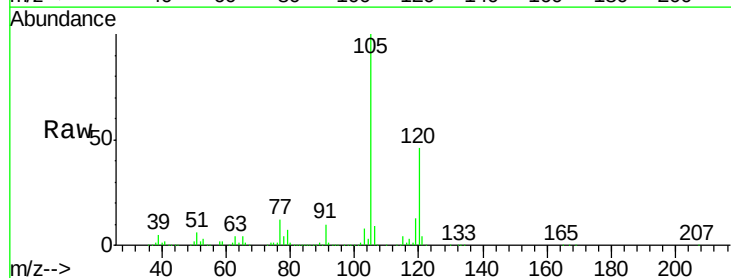
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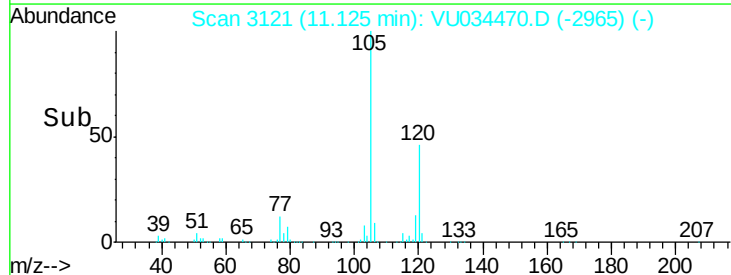
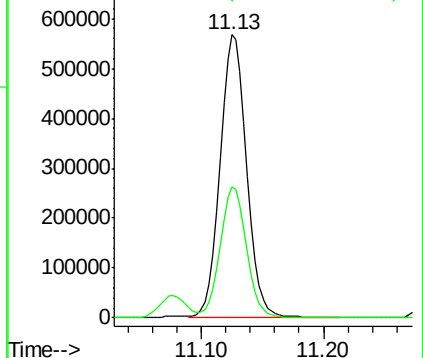


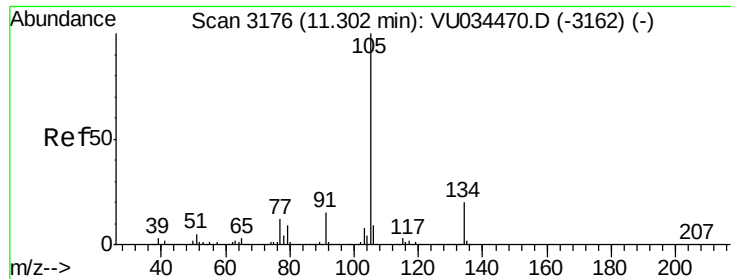
#78
 1,2,4-Trimethylbenzene
 Concen: 11.535 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2



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





#79

sec-Butylbenzene

Concen: 11.243 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

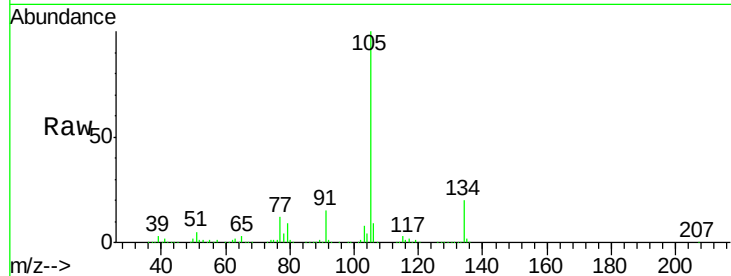
Tot Ion:105 Resp: 1081350

Ion Ratio Lower Upper

105 100

134 20.4 16.3 24.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.30

800000

600000

400000

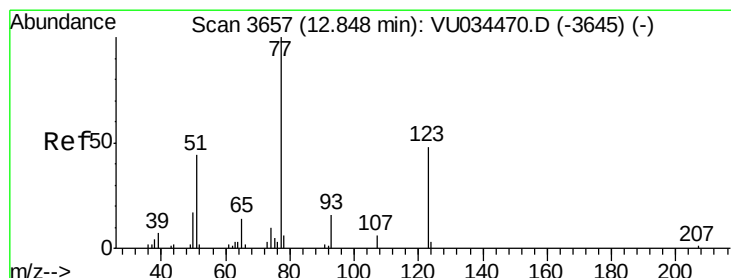
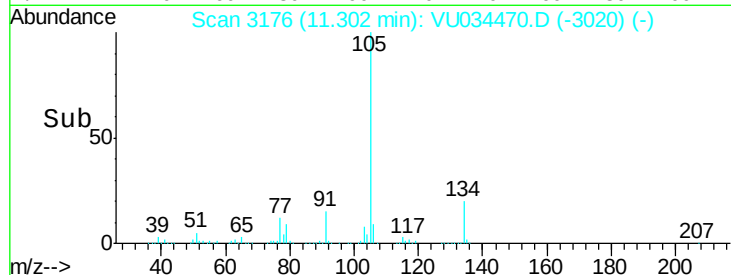
200000

0

Time--> 11.20 11.30 11.40

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#80

Nitrobenzene

Concen: 26.216 ug/l

RT: 12.85 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VU034470.D

Acq: 11 Sep 2019 11:34

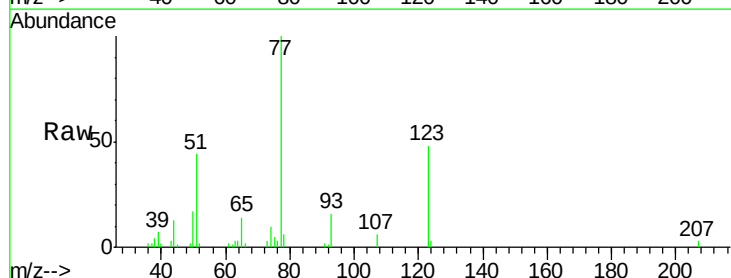
Tgt Ion: 77 Resp: 22060

Ion Ratio Lower Upper

77 100

123 43.2 19.0 67.4

65 9.7 8.5 10.9



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

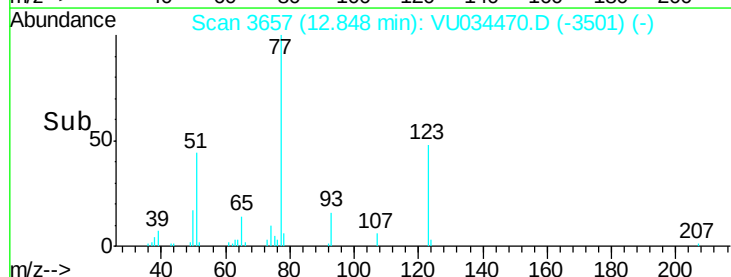
12.85

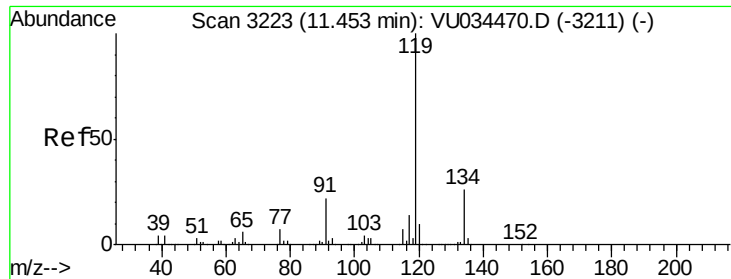
10000

5000

0

Time--> 12.80 12.90



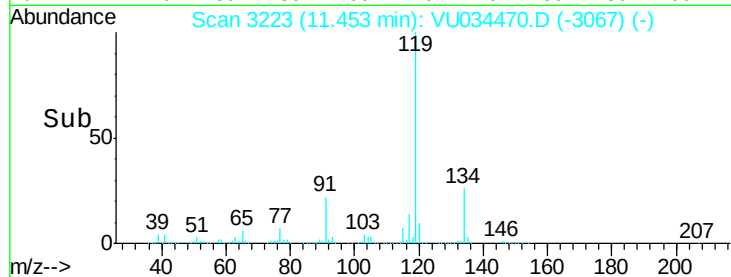
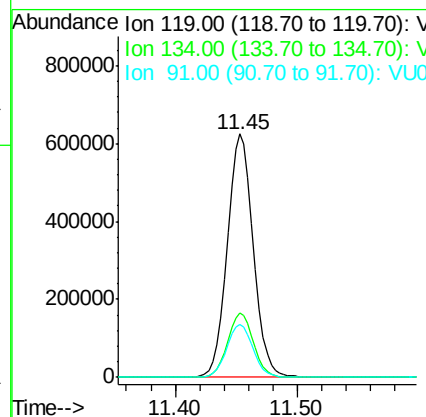
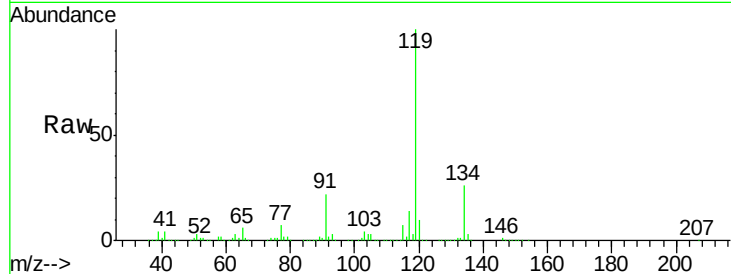


#81
 p-Isopropyltoluene
 Concen: 11.828 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

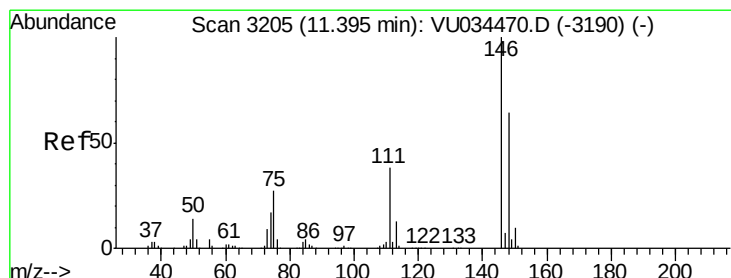
Tot Ion	Ratio	Resp	Lower	Upper
119	100	929988		
134	26.5		21.2	31.8
91	22.0		17.6	26.4

Manual Integrations
 APPROVED



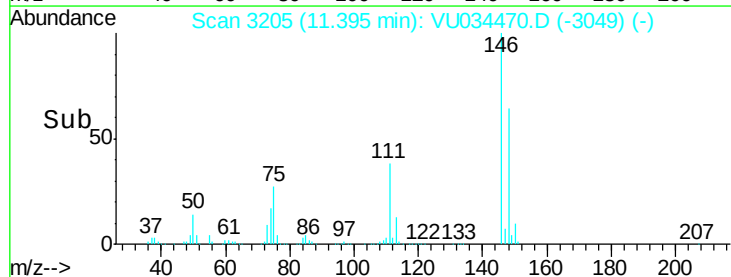
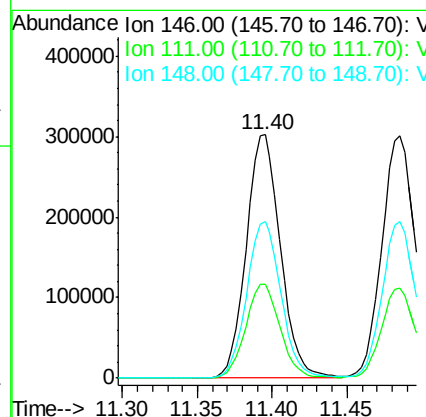
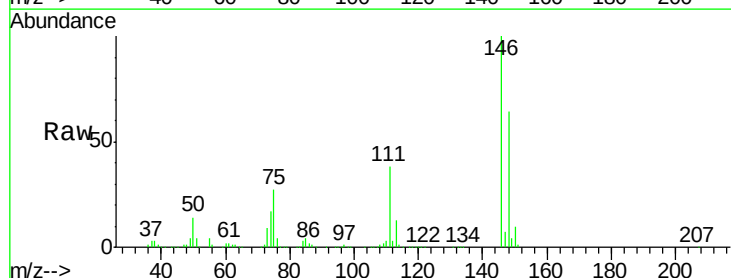
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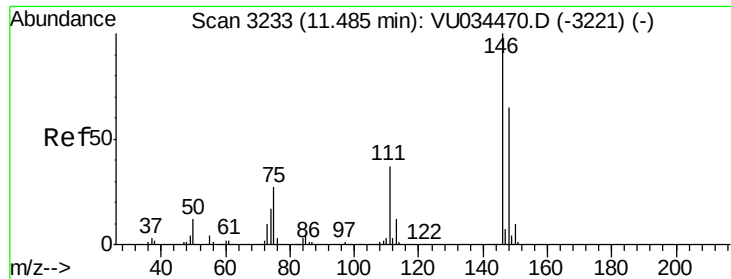
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#82
 1,3-Dichlorobenzene
 Concen: 10.418 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	481580		
111	38.8		31.0	46.6
148	64.4		51.5	77.3



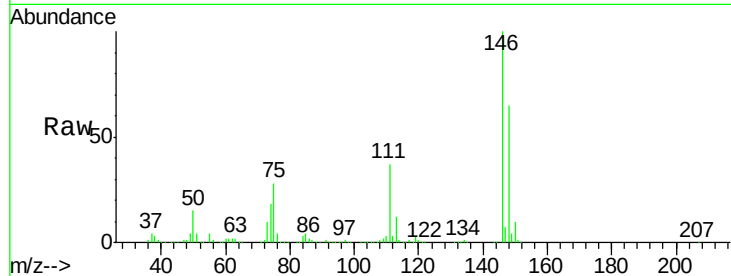


#83
1,4-Dichlorobenzene
Concen: 10.553 ug/l
RT: 11.49 min Scan# 3233
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

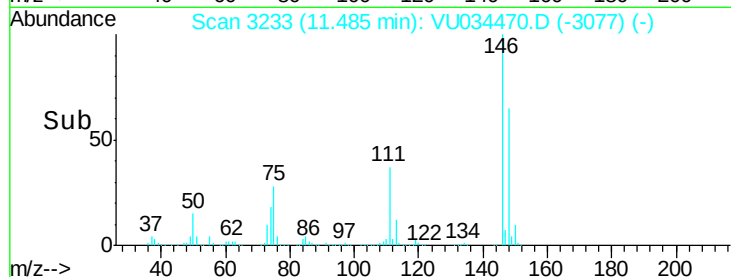
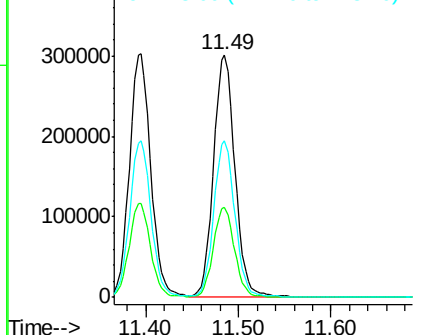
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:	146	Resp:	481561
Ion Ratio	Lower	Upper	
146	100		
111	36.9	29.5	44.3
148	63.7	51.0	76.4

Manual Integrations
APPROVED

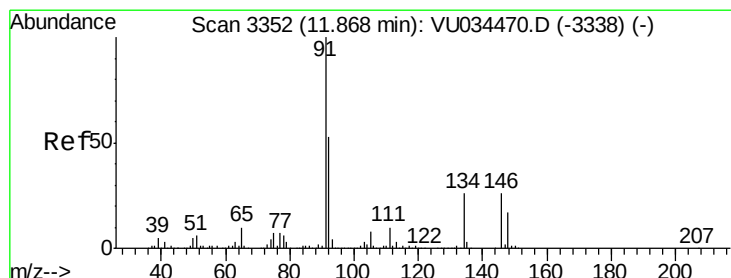


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



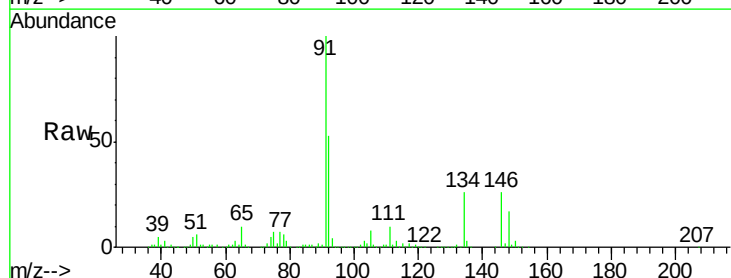
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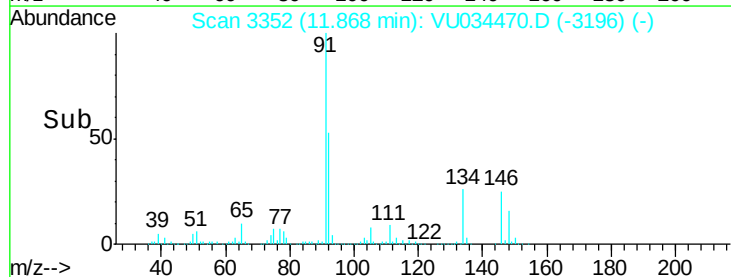
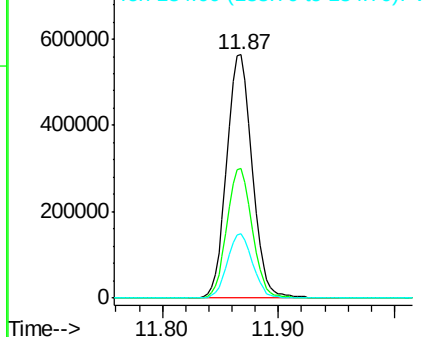


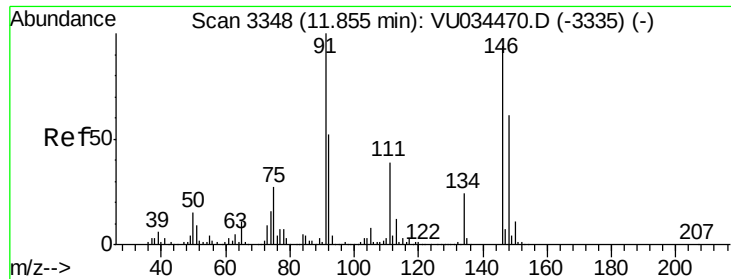
#84
n-Butylbenzene
Concen: 10.774 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion:	91	Resp:	853826
Ion Ratio	Lower	Upper	
91	100		
92	53.0	42.4	63.6
134	26.2	21.0	31.4



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



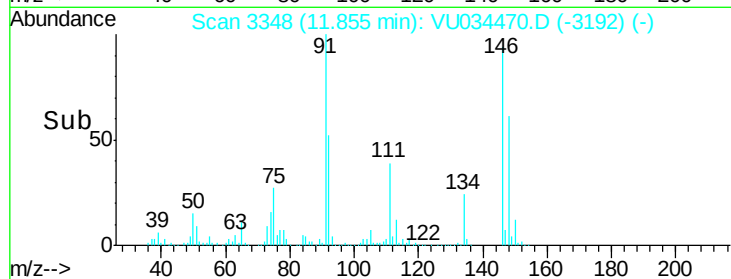
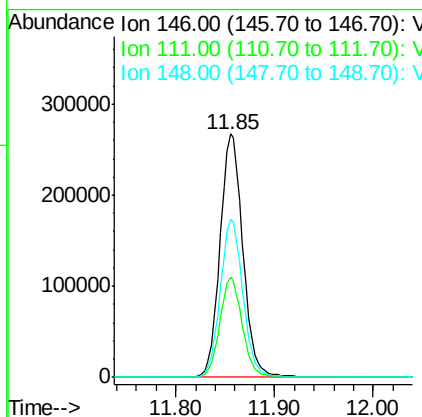
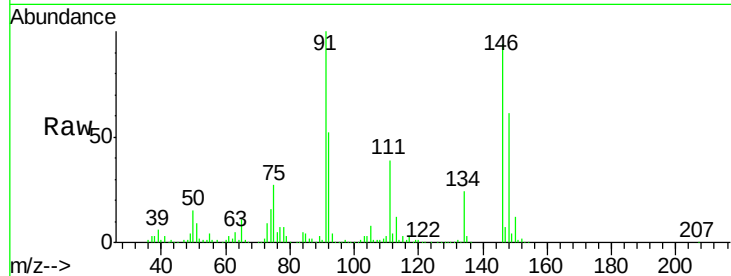


#85
 1,2-Dichlorobenzene
 Concen: 10.089 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

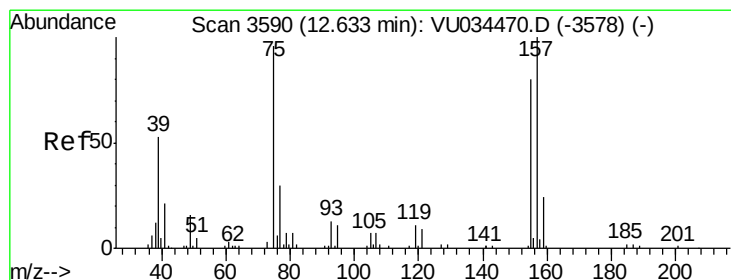
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.4	32.2	96.6

Manual Integrations
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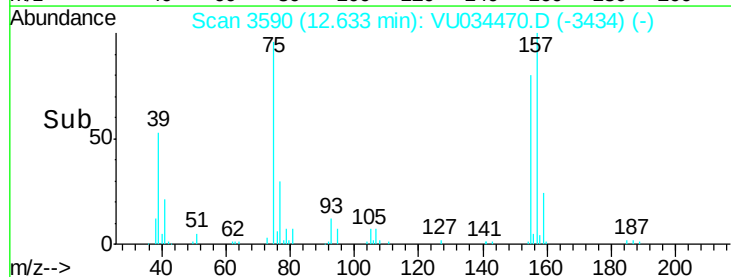
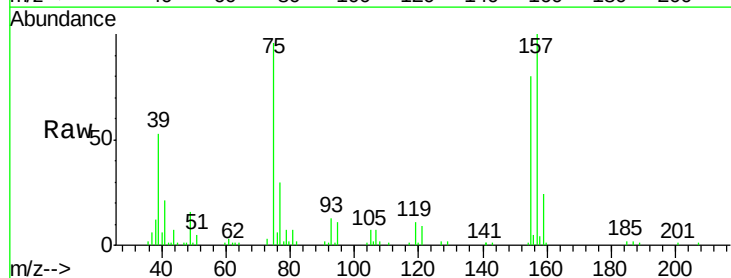
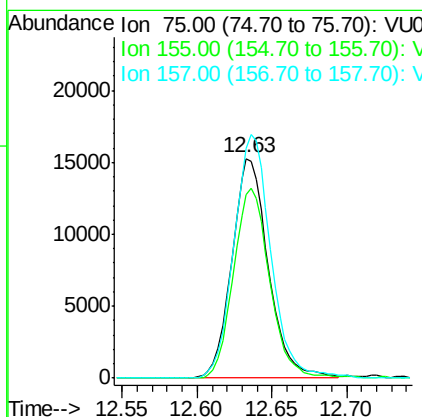
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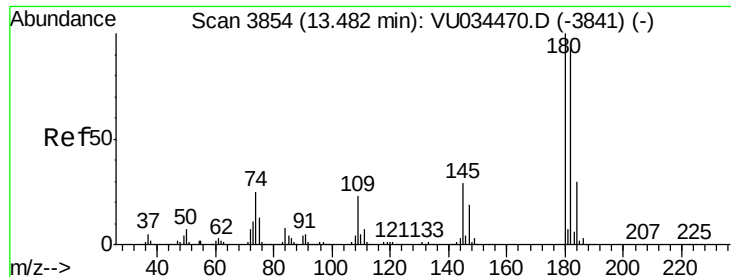
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 8.035 ug/l
 RT: 12.63 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	68.9	103.3
157	112.4	89.9	134.9



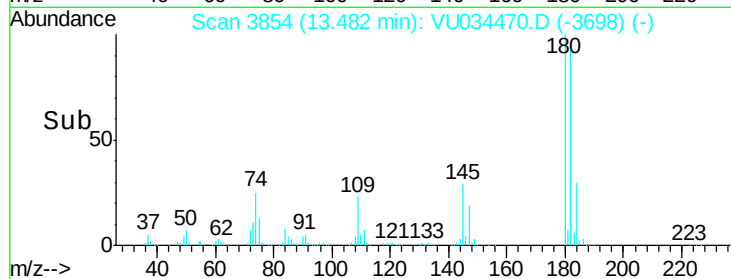
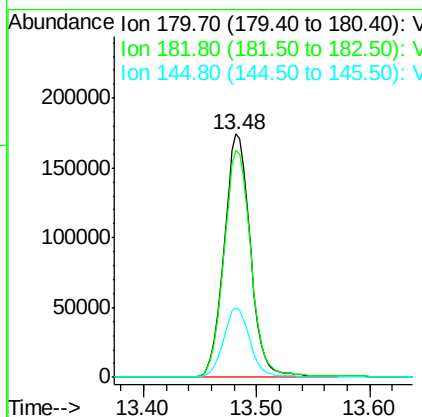
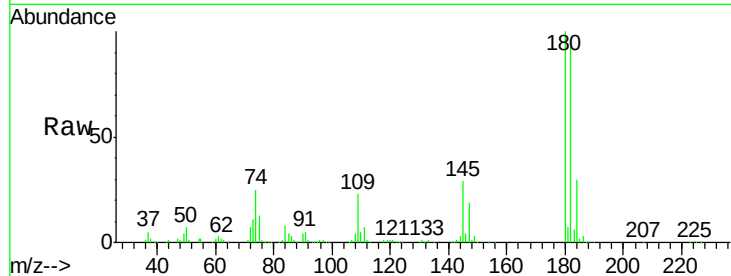


#87
 1,2,4-Trichlorobenzene
 Concen: 11.039 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

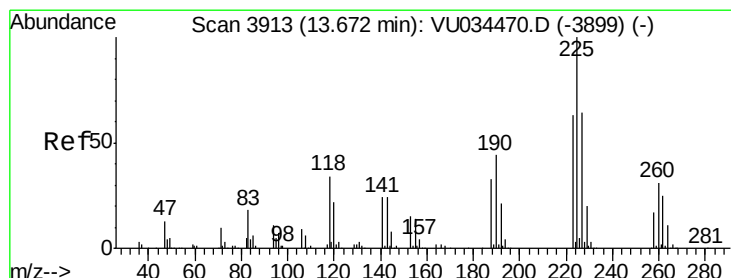
Tot Ion	Ratio	Resp	Lower	Upper
180	100	283428		
182	95.7	76.6	114.8	
145	28.8	23.0	34.6	

Manual Integrations
 APPROVED



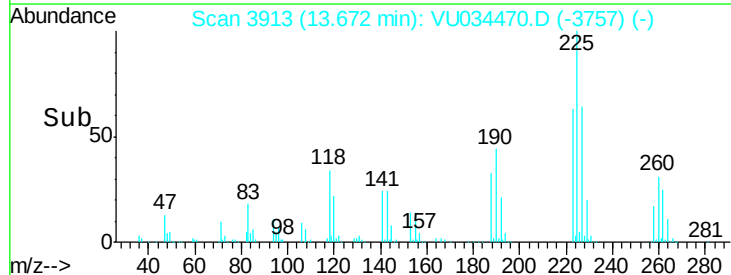
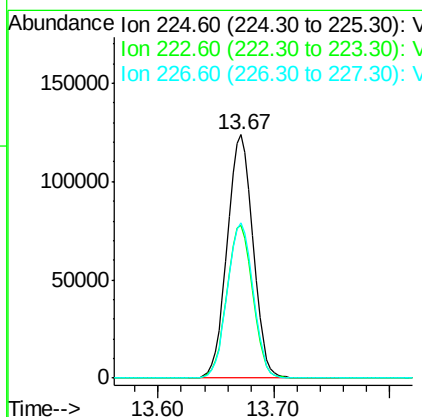
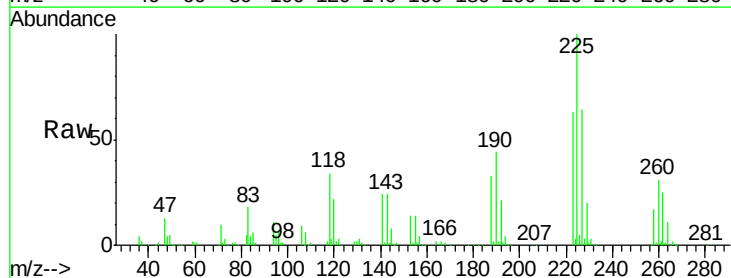
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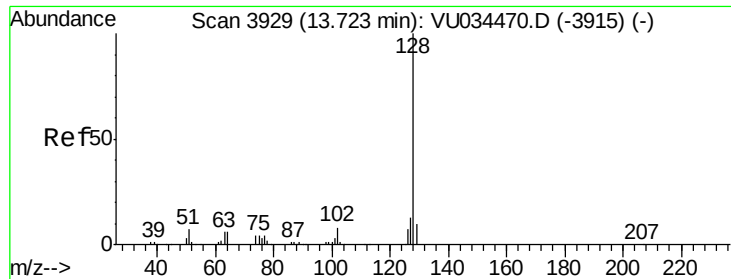
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#88
 Hexachlorobutadiene
 Concen: 11.543 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. 0.00 min
 Lab File: VU034470.D
 Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	189625		
223	62.9	50.3	75.5	
227	63.9	51.1	76.7	



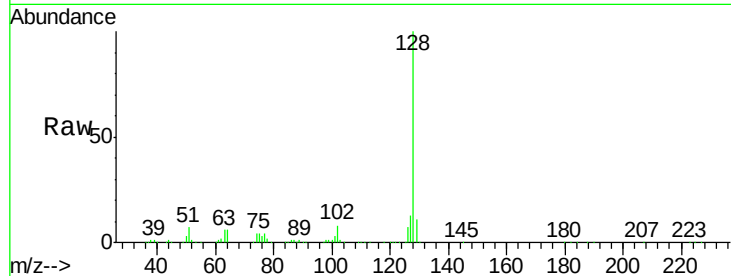


#89
Naphthalene
Concen: 9.656 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

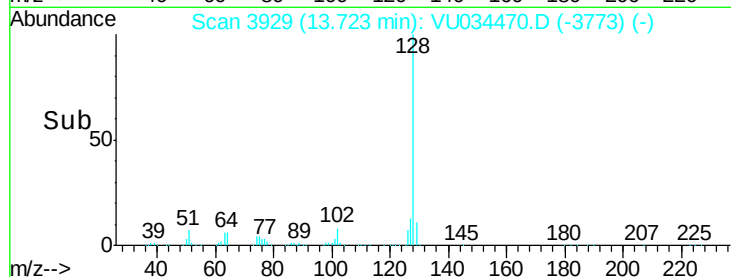
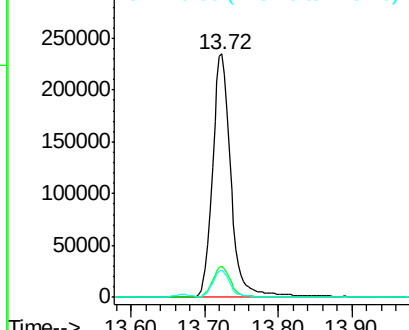
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.0	8.0	12.0

Manual Integrations
APPROVED

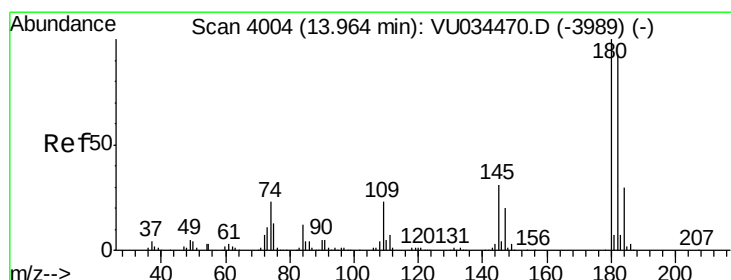


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



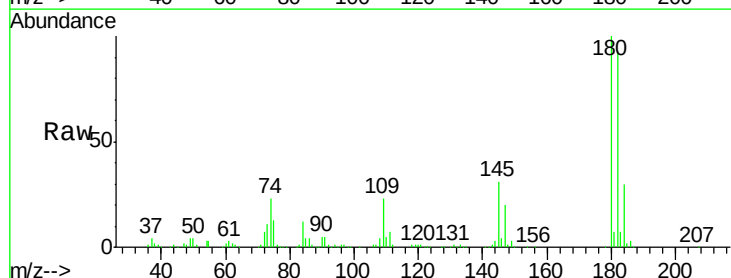
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#90
1,2,3-Trichlorobenzene
Concen: 10.699 ug/l
RT: 13.96 min Scan# 4004
Delta R.T. 0.00 min
Lab File: VU034470.D
Acq: 11 Sep 2019 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	30.6	24.5	36.7



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

