

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091119\
 Data File : VU034472.D
 Acq On : 11 Sep 2019 12:28
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091119

Manual Integrations
 APPROVED

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 9/12/2019 4:53:40 PM

Quant Time: Sep 12 03:54:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 12 02:53:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	69528	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	28261	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	28413	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	138172	5.429	ug/l	98
3) Chloromethane	1.33	50	149327	5.332	ug/l	99
4) Vinyl Chloride	1.40	62	164492	5.979	ug/l	100
5) Bromomethane	1.62	94	99580	6.211	ug/l	98
6) Chloroethane	1.69	64	107756	6.758	ug/l	99
7) Trichlorofluoromethane	1.88	101	251209	7.422	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	160777	8.756	ug/l	100
9) 1,1-Dichloroethene	2.28	96	144109	7.789	ug/l	98
10) Iodomethane	2.40	142	128818	6.287	ug/l	100
11) Allyl Chloride	2.58	41	250193	8.229	ug/l	97
12) Acrylonitrile	2.92	53	202560	52.546	ug/l	98
13) Acetone	2.31	43	249719	77.772	ug/l	97
14) Carbon Disulfide	2.47	76	273691	4.213	ug/l	98
15) Methylene Chloride	2.68	84	172458	8.019	ug/l	99
16) trans-1,2-Dichloroethene	2.96	96	157038	7.585	ug/l	99
17) 1,1-Dichloroethane	3.42	63	354208	8.972	ug/l	99
18) 2-Butanone	4.25	43	310403	66.934	ug/l	98
19) Cyclohexane	4.97	56	233141m	7.535	ug/l	
20) Methylcyclohexane	6.39	83	246576	7.643	ug/l	99
21) 2,2-Dichloropropane	4.20	77	295710	9.087	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	203922	9.088	ug/l	100
23) Diethyl Ether	2.10	59	122351	8.830	ug/l	99
24) tert-Butyl Alcohol	2.82	59	80079	53.685	ug/l	99
25) Methyl tert-Butyl Ether	2.99	73	454828	10.257	ug/l	100
26) Bromochloromethane	4.52	128	96304	10.147	ug/l	99
27) Chloroform	4.65	83	360468	8.783	ug/l	100
28) 1,1,1-Trichloroethane	4.89	97	293654	9.123	ug/l	99
29) 1,1-Dichloropropene	5.11	75	227194	8.168	ug/l	100
30) Carbon Tetrachloride	5.11	117	252374	8.749	ug/l	99
31) Isopropyl Ether	3.56	45	608241	10.703	ug/l #	1
34) Propionitrile	4.31	54	164849	125.209	ug/l	97
35) Benzene	5.37	78	741640	8.890	ug/l	99
36) 1,2-Dichloroethane	5.38	62	204790	9.558	ug/l	100
37) Trichloroethene	6.16	130	204866	8.777	ug/l	99
38) 1,2-Dichloropropane	6.41	63	214109	9.688	ug/l	98
39) Methacrylonitrile	4.53	41	66123	12.137	ug/l	97
40) Methyl acrylate	4.41	55	97560	11.753	ug/l	98
41) Tetrahydrofuran	4.63	42	165033	59.122	ug/l	97
42) 1-Chlorobutane	5.04	56	324008	8.572	ug/l	98
43) Dibromomethane	6.54	93	100579	9.669	ug/l	98
44) Bromodichloromethane	6.74	83	270258	10.111	ug/l	99

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Quant Time: Sep 12 03:54:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 12 02:53:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.44	43	654264	62.031	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	54410m	12.943	ug/l	
47) Methyl methacrylate	6.61	69	95833	11.549	ug/l	99
48) Ethyl methacrylate	8.00	69	191674	12.855	ug/l	98
49) Toluene	7.61	92	469828	9.653	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	248274	11.280	ug/l	98
51) cis-1,3-Dichloropropene	7.25	75	295265	10.659	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	155344	10.753	ug/l	96
53) 1,3-Dichloropropane	8.22	76	259646	10.748	ug/l	99
54) 2-Hexanone	8.34	43	495394	70.069	ug/l	100
55) Dibromochloromethane	8.46	129	189321	10.786	ug/l	97
56) 1,2-Dibromoethane	8.57	107	139683	10.538	ug/l	99
58) Tetrachloroethene	8.21	164	194153	8.753	ug/l	99
59) Chlorobenzene	9.10	112	539537	9.949	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.19	131	205644	10.239	ug/l	100
61) Pentachloroethane	11.08	117	166763	10.258	ug/l	98
62) Hexachloroethane	12.12	117	152890	10.591	ug/l	99
63) Ethyl Benzene	9.23	91	940380	10.813	ug/l	99
64) m/p-Xylenes	9.35	106	742010	21.066	ug/l	98
65) o-Xylene	9.76	106	356317	10.619	ug/l	100
66) Styrene	9.77	104	645036	11.483	ug/l	99
67) Bromoform	9.94	173	117837	11.420	ug/l	98
69) Isopropylbenzene	10.14	105	998200	11.411	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.43	83	206603	11.144	ug/l	99
71) 1,2,3-Trichloropropane	10.47	75	151877m	11.512	ug/l	
72) Bromobenzene	10.43	156	256338	10.808	ug/l	100
73) n-propylbenzene	10.57	120	281117	11.094	ug/l	99
74) 2-Chlorotoluene	10.64	126	243396	10.676	ug/l	100
75) 1,3,5-Trimethylbenzene	10.75	105	900057	11.461	ug/l	100
76) 4-Chlorotoluene	10.75	126	257764	11.166	ug/l	96
77) tert-Butylbenzene	11.08	119	842164	11.060	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	920730	11.609	ug/l	100
79) sec-Butylbenzene	11.30	105	1065102	10.397	ug/l	99
80) Nitrobenzene	12.86	77	6639m	16.776	ug/l	
81) p-Isopropyltoluene	11.45	119	1009625	11.812	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	514600	10.454	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	518267	10.595	ug/l	99
84) n-Butylbenzene	11.86	91	950908	12.089	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	473893	10.625	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	33454	13.517	ug/l	99
87) 1,2,4-Trichlorobenzene	13.48	180	370739	14.399	ug/l	99
88) Hexachlorobutadiene	13.67	225	213054	10.859	ug/l	99
89) Naphthalene	13.72	128	604263	13.106	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	334452	14.106	ug/l	99

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

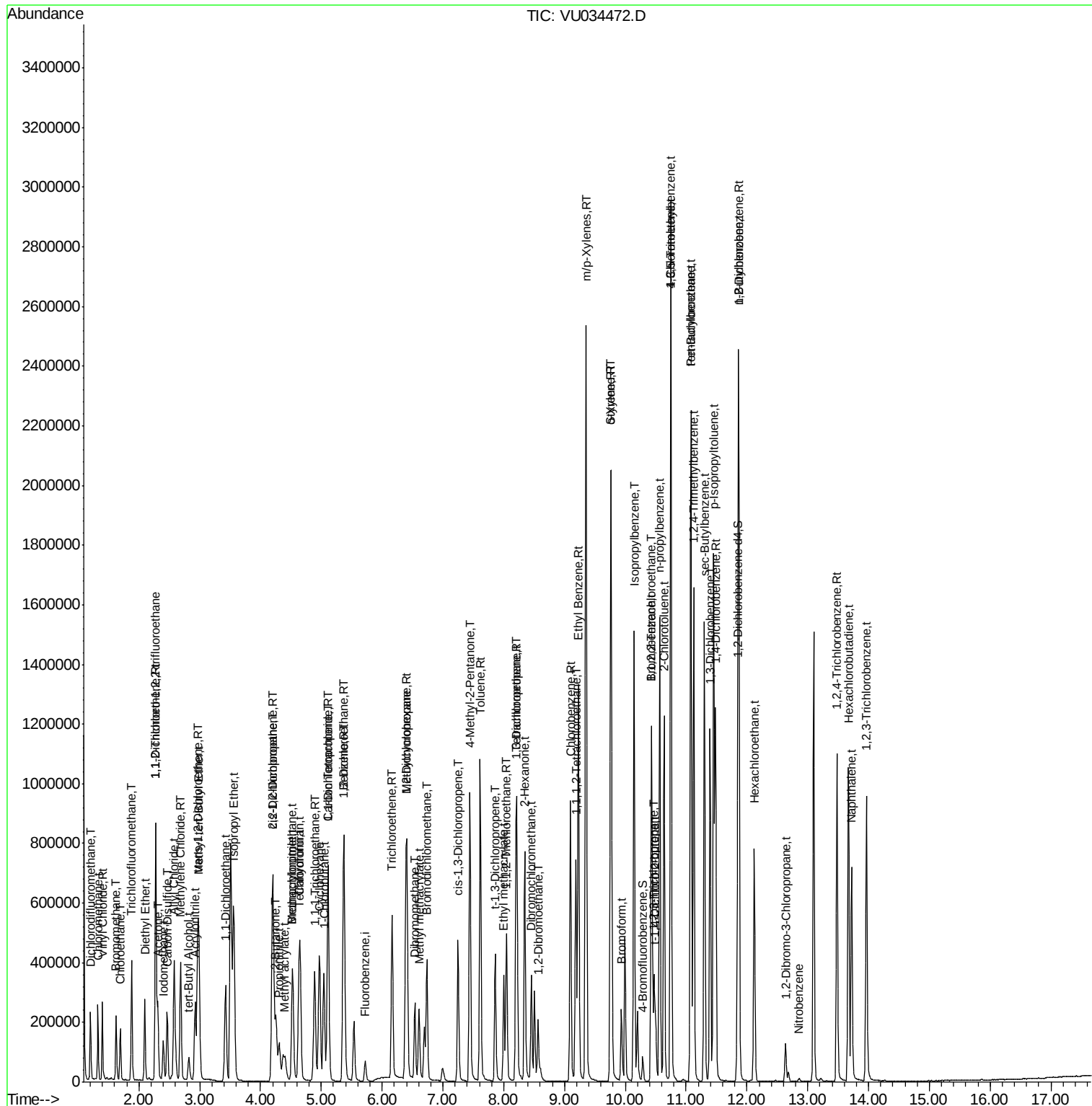
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091119\
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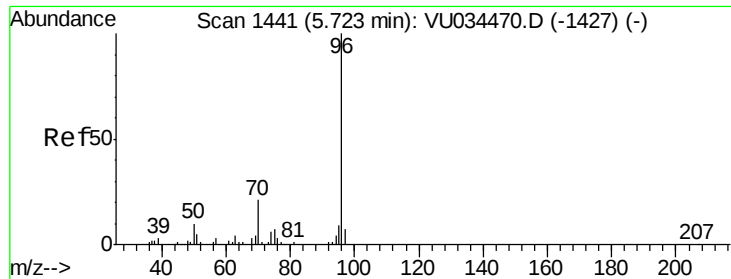
Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations
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Quant Time: Sep 12 03:54:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:53:57 2019
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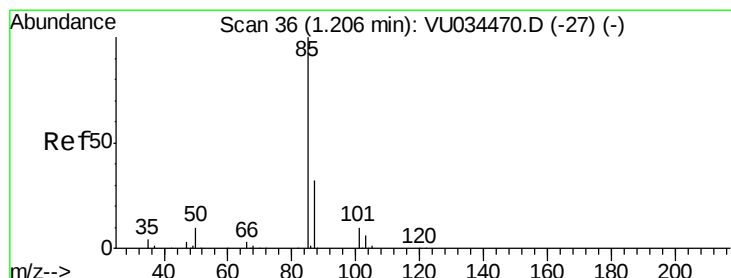
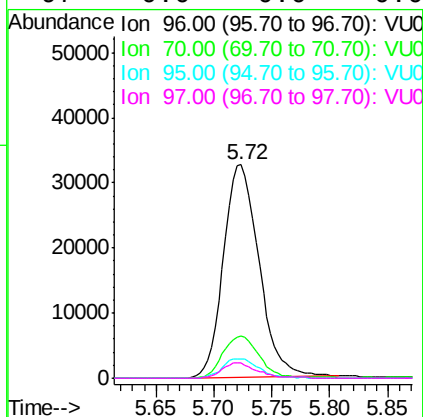
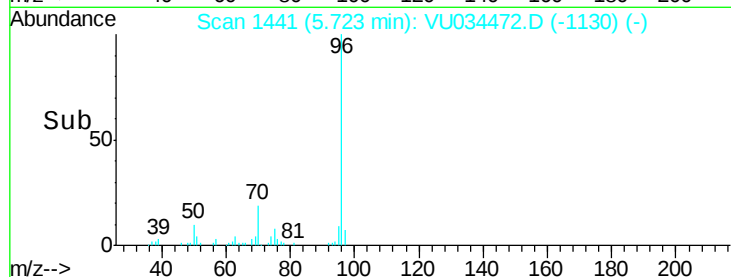
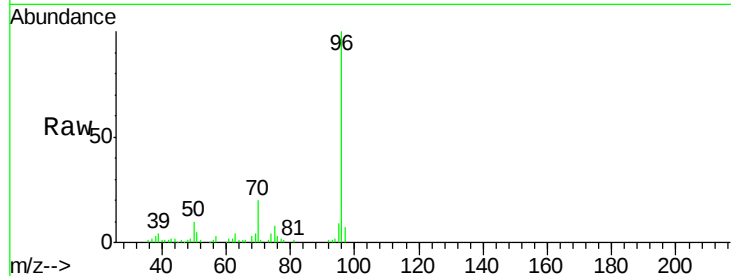
#1
Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.72 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		69528		
70	19.5	16.5	24.7		
95	9.2	7.0	10.6		
97	0.0	0.0	0.0		

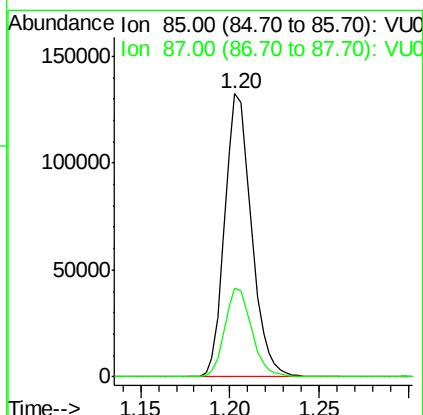
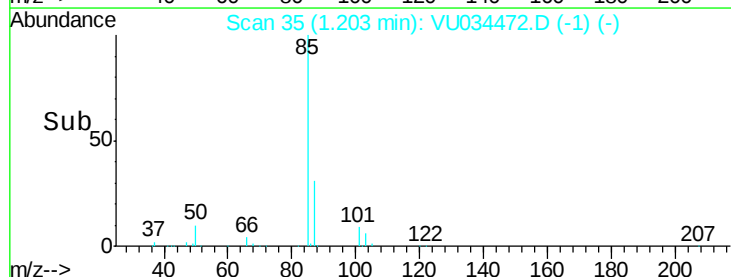
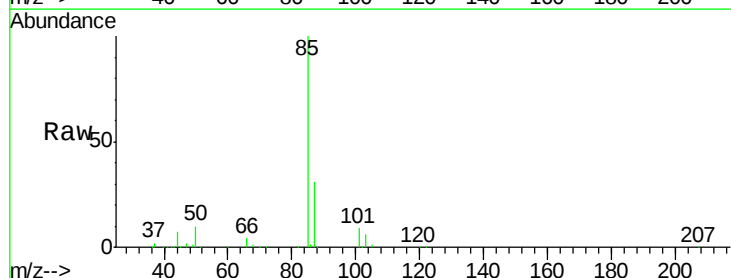
Manual Integrations
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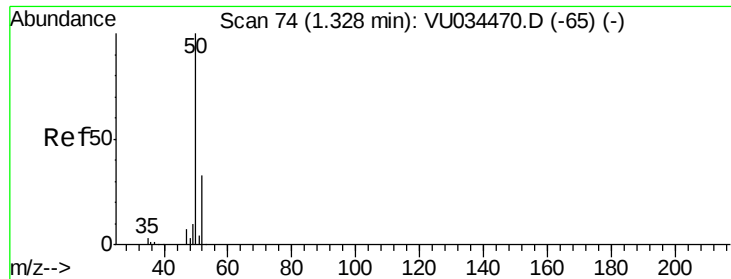
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#2
Dichlorodifluoromethane
 Concen: 5.429 ug/l
 RT: 1.20 min Scan# 35
 Delta R.T. -0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		138172		
87	31.3	16.1	48.3		





#3

Chloromethane

Concen: 5.332 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion: 50 Resp: 149327

Ion Ratio Lower Upper

50 100

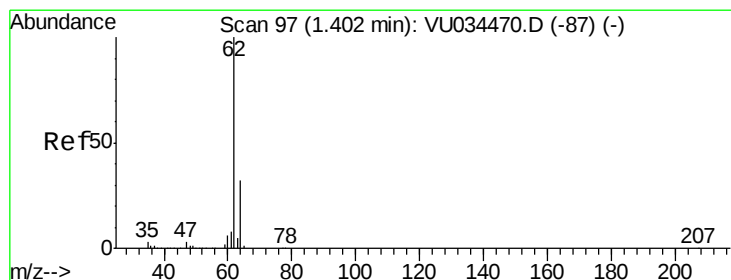
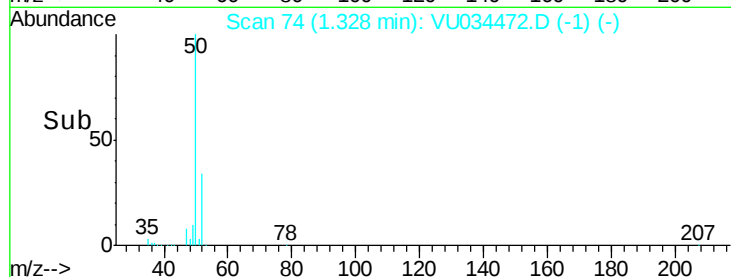
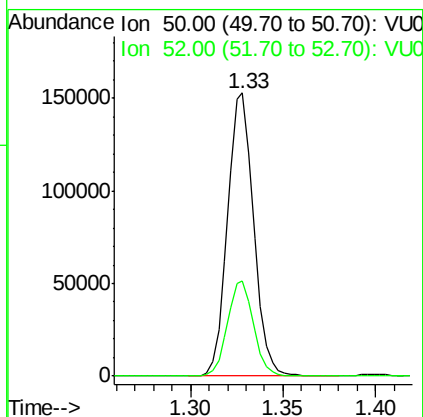
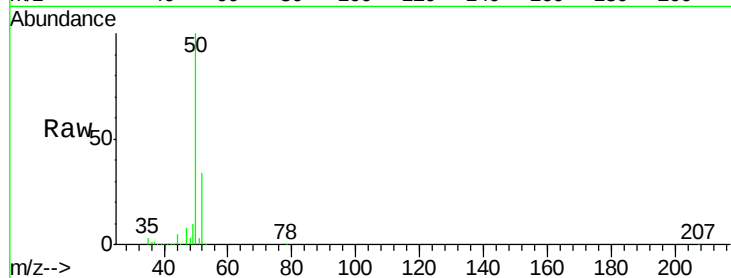
52 33.6 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.979 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034472.D

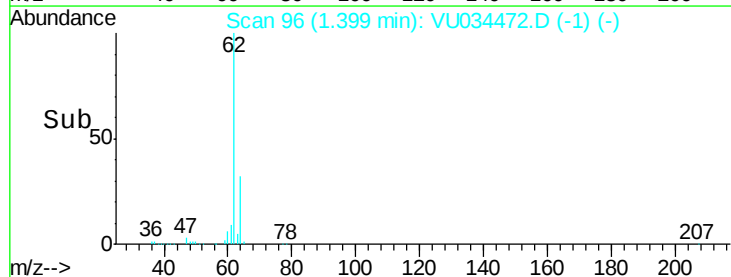
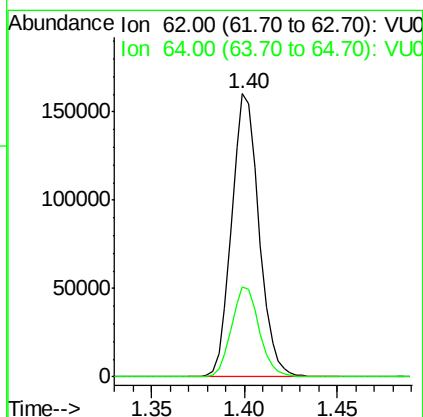
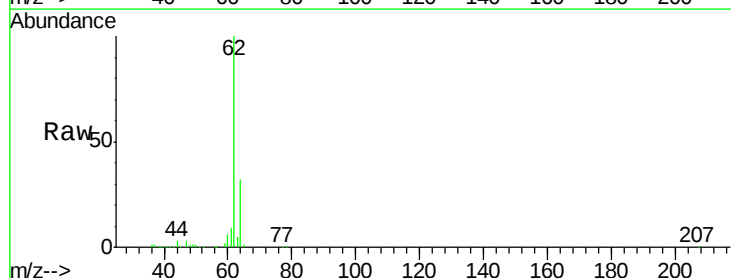
Acq: 11 Sep 2019 12:28

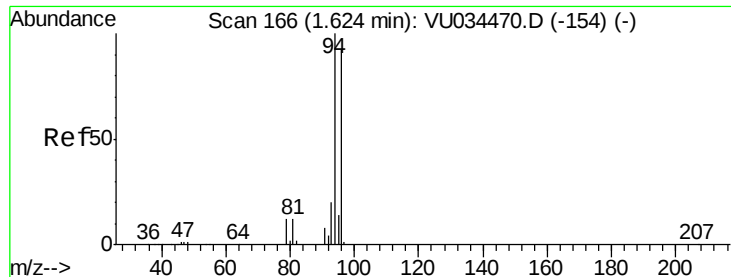
Tgt Ion: 62 Resp: 164492

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 6.211 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion: 94 Resp: 99580

Ion Ratio Lower Upper

94 100

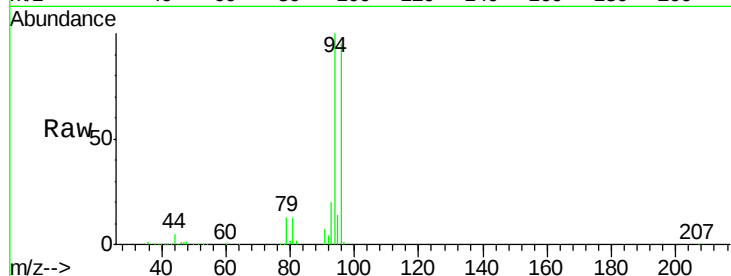
96 94.5 73.8 110.8

Manual Integrations

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9/12/2019 4:53:40 PM



Abundance Ion 94.00 (93.70 to 94.70): VU034472.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU034472.D (-154) (-)

80000

60000

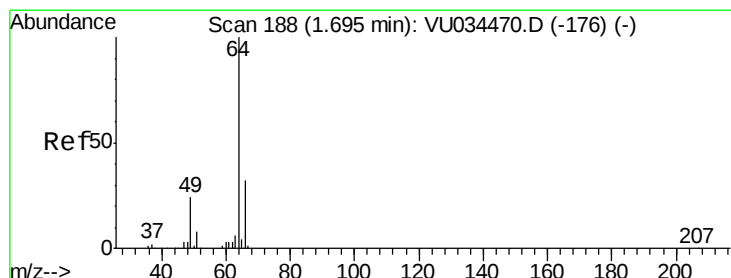
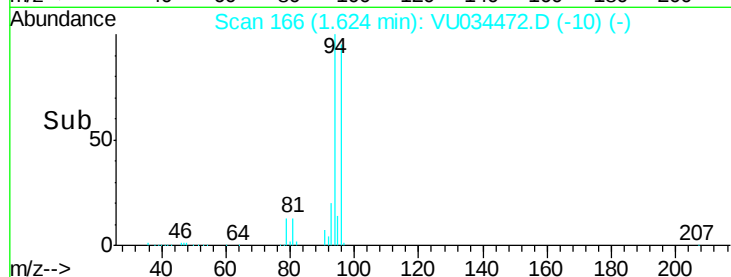
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 6.758 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU034472.D

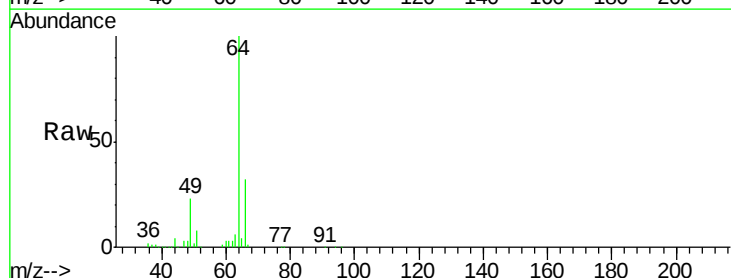
Acq: 11 Sep 2019 12:28

Tgt Ion: 64 Resp: 107756

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VU034472.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU034472.D (-176) (-)

100000

80000

60000

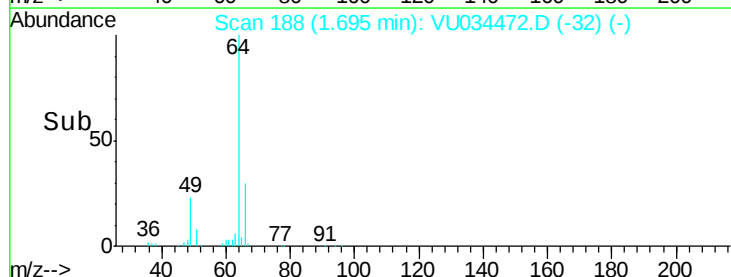
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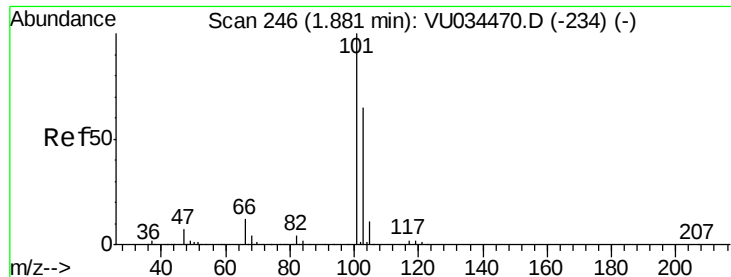
20000

0

1.65 1.70 1.75

Time-->





#7

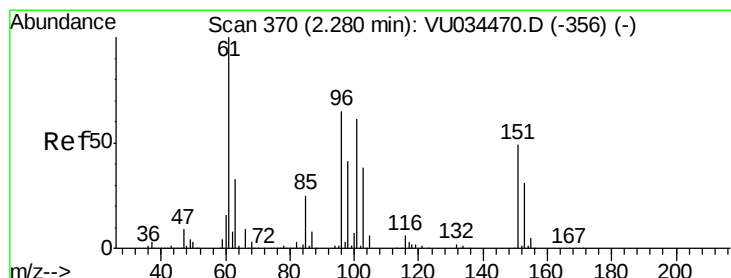
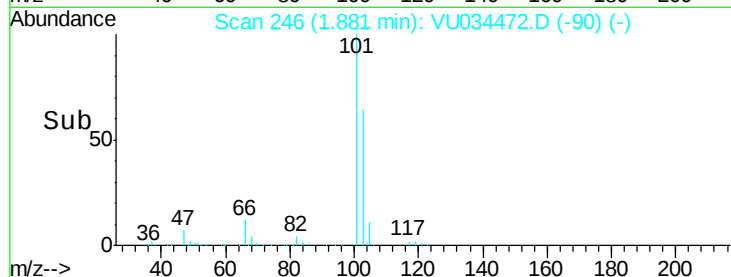
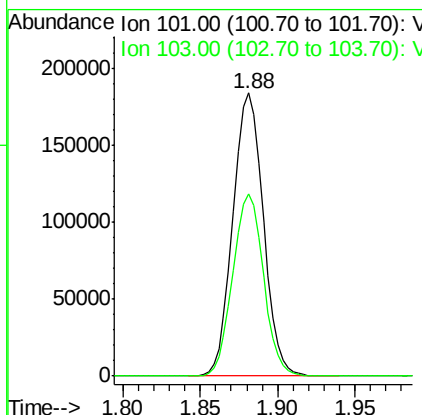
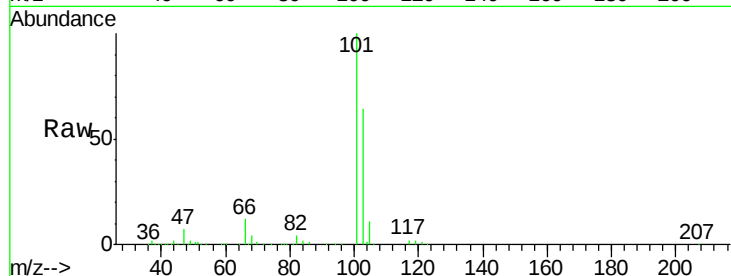
Trichlorofluoromethane
Concen: 7.422 ug/l
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Instrument :
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ClientSampleId :
ICVVU091119

Tot Ion	Ratio	Resp	Lower	Upper
101	100	251209		
103	64.5	52.2	52.2	78.4

Manual Integrations
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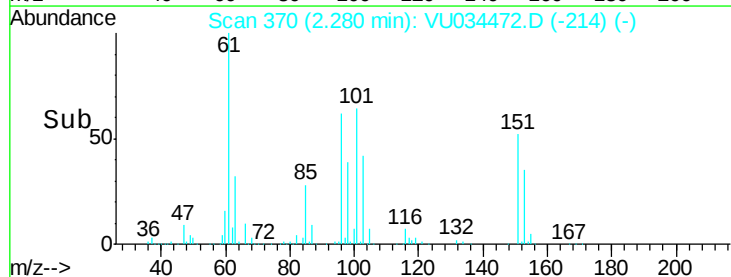
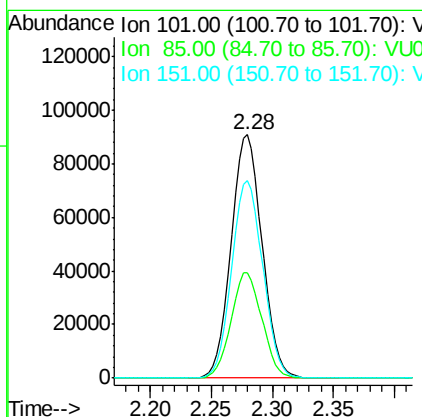
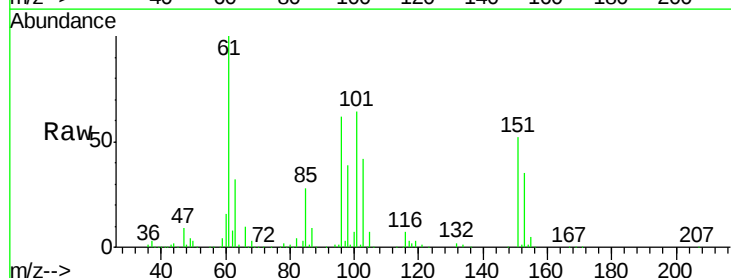
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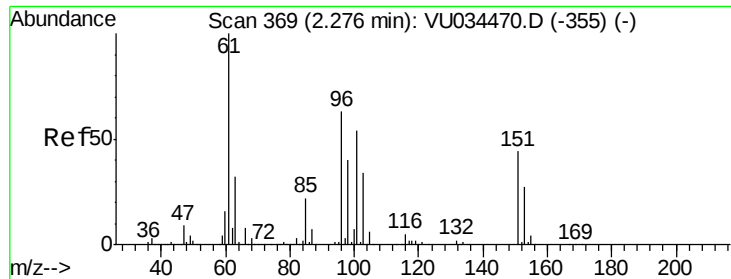


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 8.756 ug/l
RT: 2.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	160777		
85	42.8	34.2	34.2	51.2
151	81.4	65.2	65.2	97.8





#9

1,1-Dichloroethene

Concen: 7.789 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

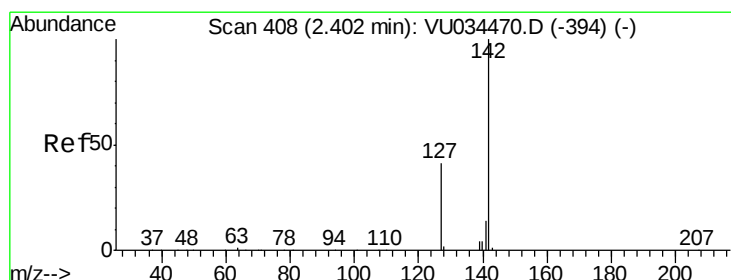
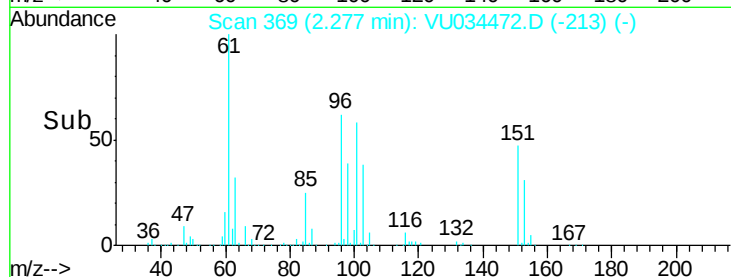
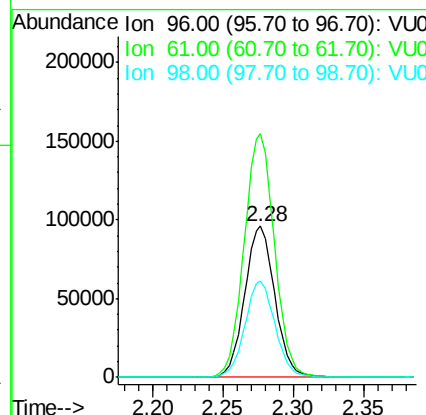
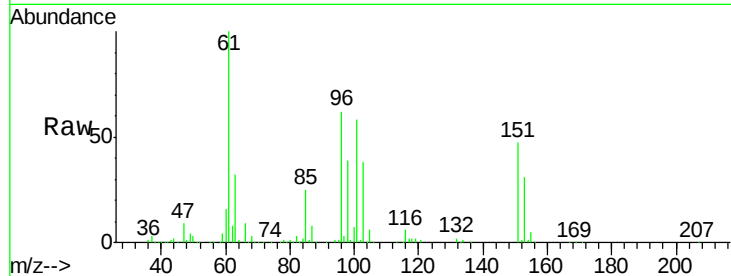
ClientSampleId :

ICVVU091119

Tot Ion:	96	Resp:	144109
Ion Ratio	Lower	Upper	
96	100		
61	161.2	0.0	475.5
98	63.5	0.0	127.6

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#10

Iodomethane

Concen: 6.287 ug/l

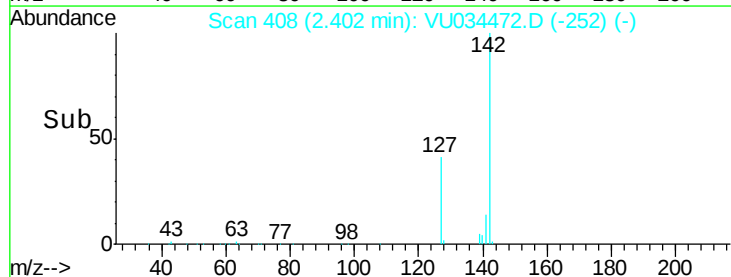
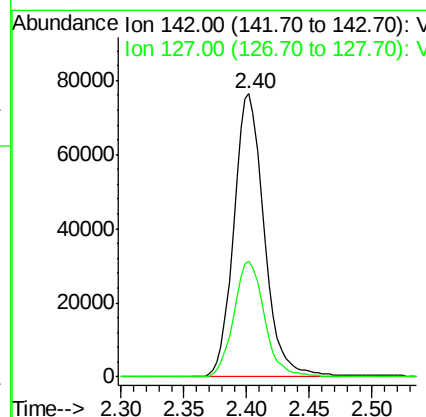
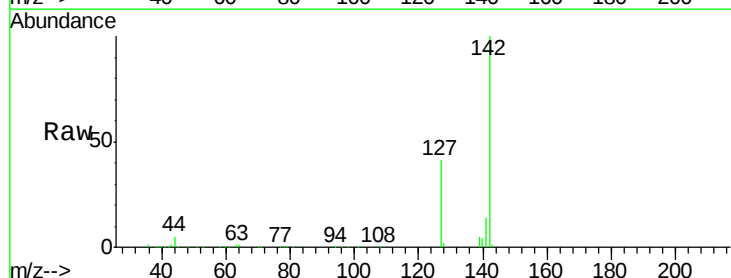
RT: 2.40 min Scan# 408

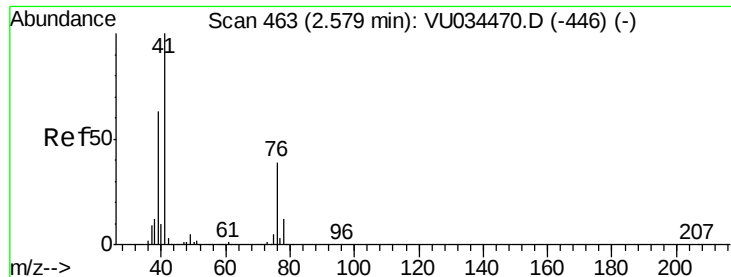
Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Tgt Ion:	142	Resp:	128818
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.0	49.6





#11

Allvl Chloride

Concen: 8.229 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion: 41 Resp: 250193

Ion Ratio Lower Upper

41 100

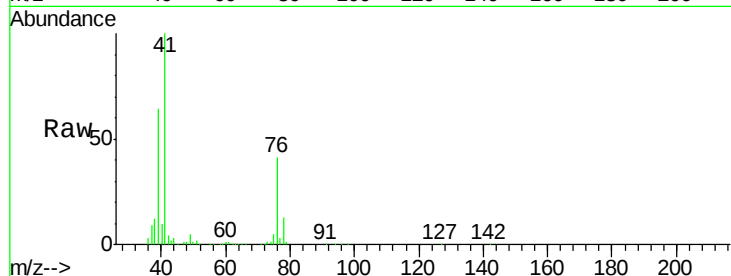
39 60.3 50.2 75.2

Manual Integrations

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Abundance Ion 41.00 (40.70 to 41.70): VU034472.D (-446) (-)

Ion 39.00 (38.70 to 39.70): VU034472.D (-446) (-)

2.58

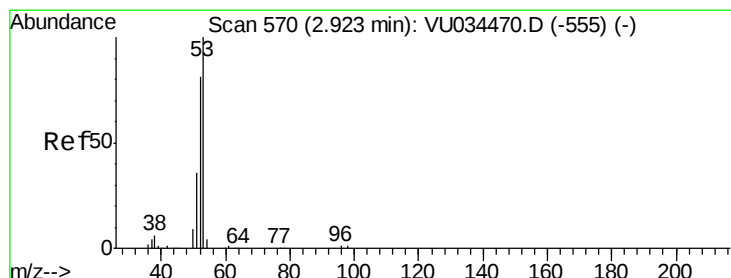
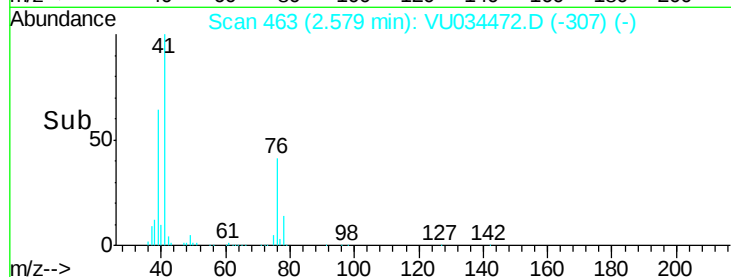
150000

100000

50000

0

Time-->



#12

Acrylonitrile

Concen: 52.546 ug/l

RT: 2.92 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

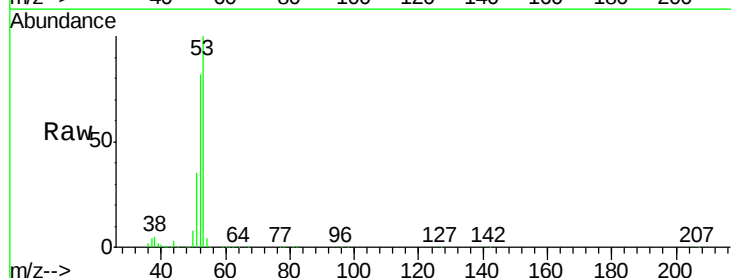
Tgt Ion: 53 Resp: 202560

Ion Ratio Lower Upper

53 100

52 84.8 66.9 100.3

51 33.8 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU034472.D (-555) (-)

Ion 52.00 (51.70 to 52.70): VU034472.D (-555) (-)

Ion 51.00 (50.70 to 51.70): VU034472.D (-555) (-)

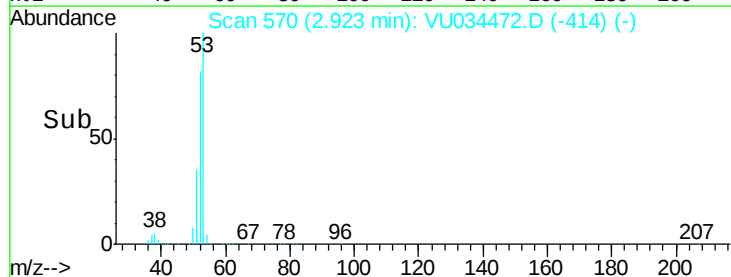
2.92

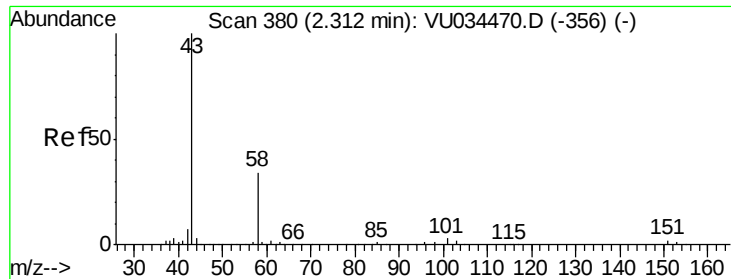
100000

50000

0

Time-->





#13

Acetone

Concen: 77.772 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion: 43 Resp: 249719

Ion Ratio Lower Upper

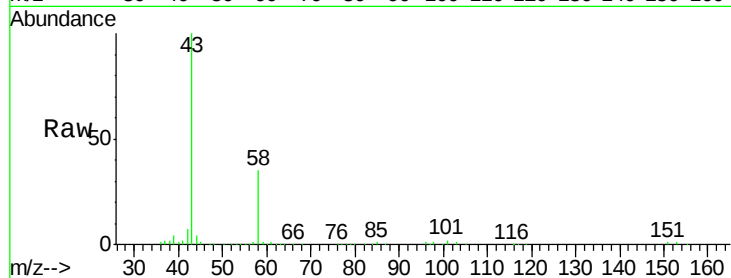
43 100

58 35.1 26.9 40.3

Manual Integrations
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9/12/2019 4:53:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034472.D (-224) (-)

Ion 58.00 (57.70 to 58.70): VU034472.D (-224) (-)

2.31

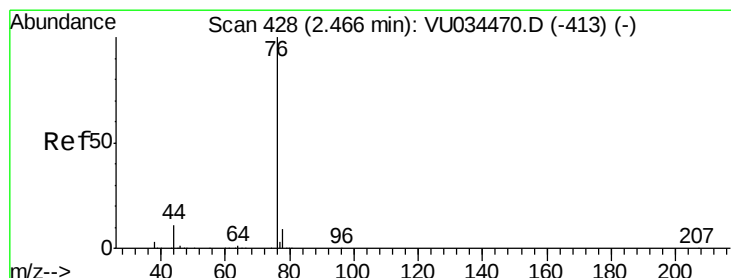
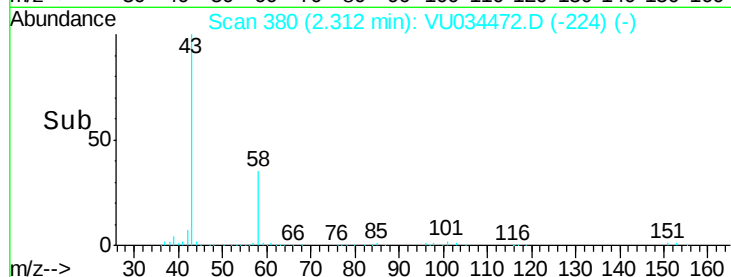
150000

100000

50000

0

Time-->



#14

Carbon Disulfide

Concen: 4.213 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034472.D

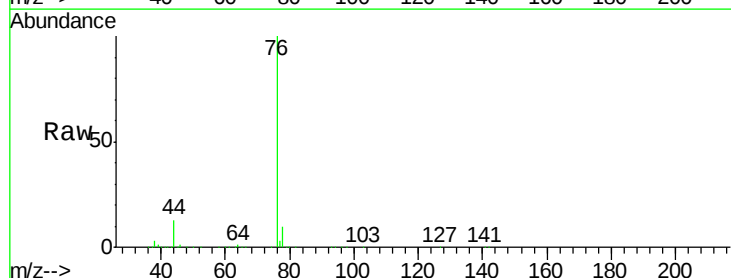
Acq: 11 Sep 2019 12:28

Tgt Ion: 76 Resp: 273691

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU034472.D (-272) (-)

Ion 78.00 (77.70 to 78.70): VU034472.D (-272) (-)

2.47

200000

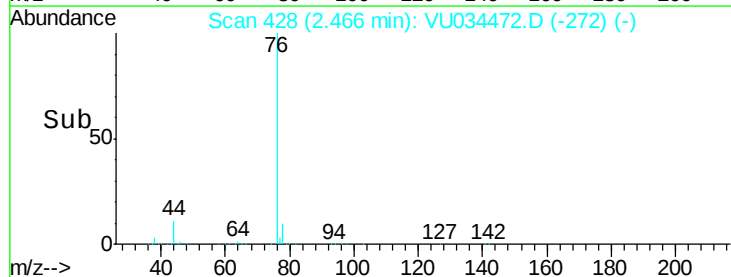
150000

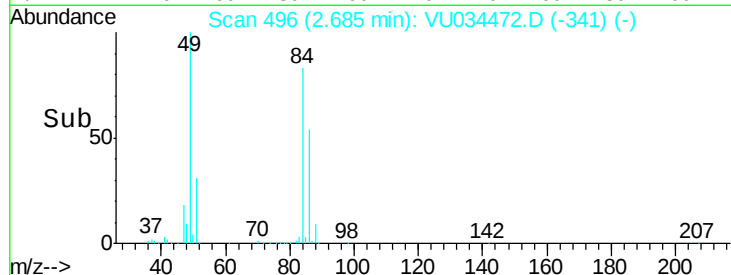
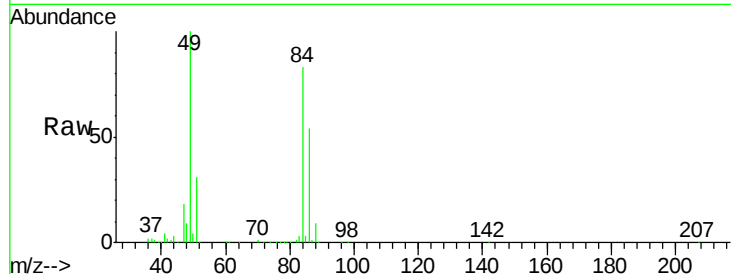
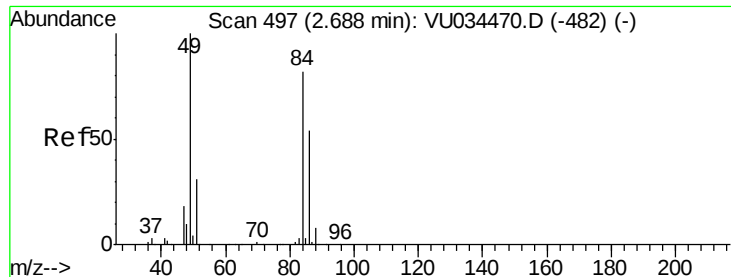
100000

50000

0

Time-->





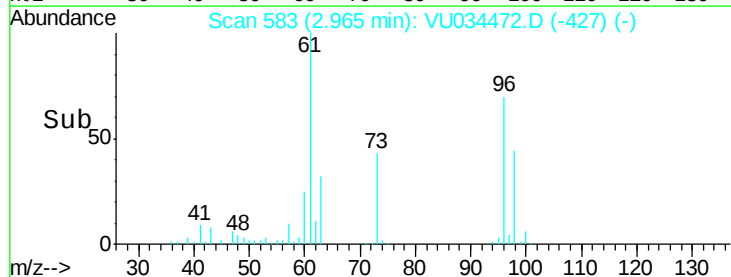
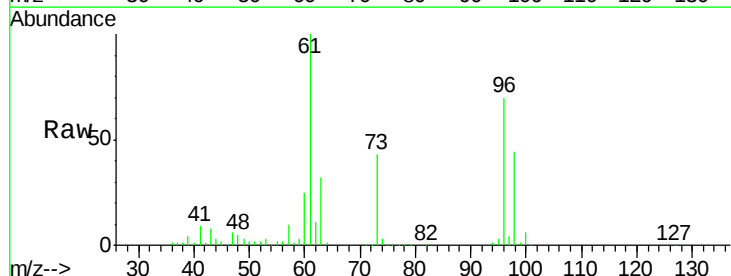
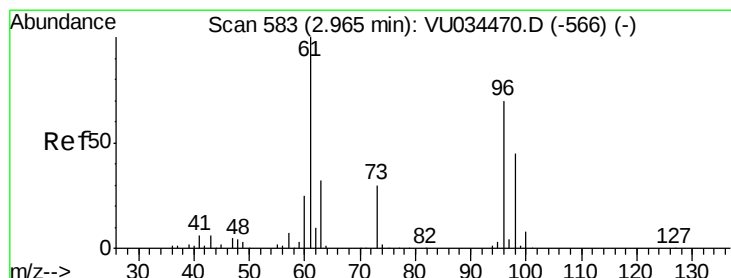
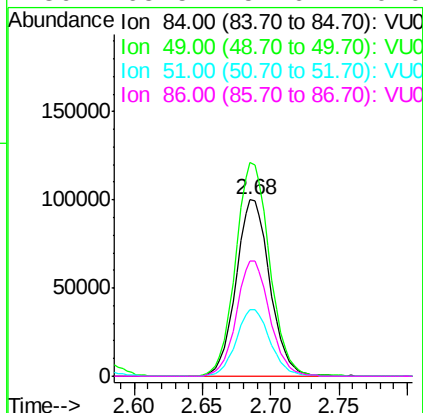
#15
Methvlene Chloride
Concen: 8.019 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tot Ion:	84	Resp:	172458
Ion	Ratio	Lower	Upper
84	100		
49	121.1	97.8	146.6
51	37.4	0.0	76.4
86	65.5	52.6	79.0

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091119

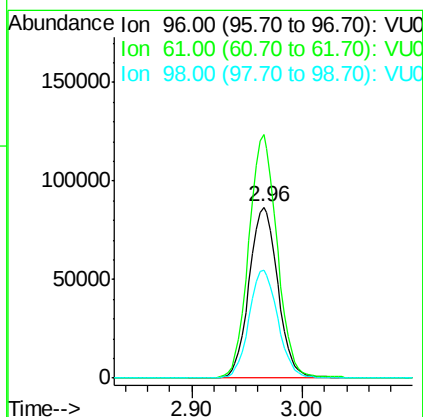
Manual Integrations
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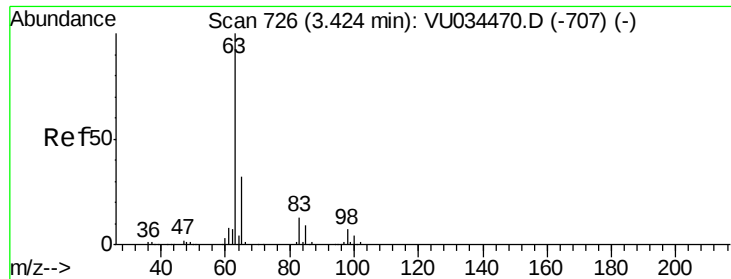
MMDadoda
9/12/2019 4:53:40 PM



#16
trans-1,2-Dichloroethene
Concen: 7.585 ug/l
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion:	96	Resp:	157038
Ion	Ratio	Lower	Upper
96	100		
61	142.2	114.5	171.7
98	63.1	51.2	76.8





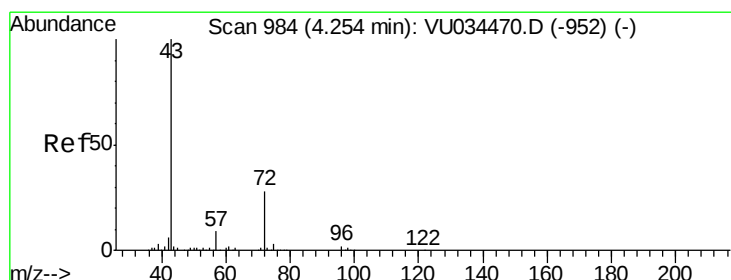
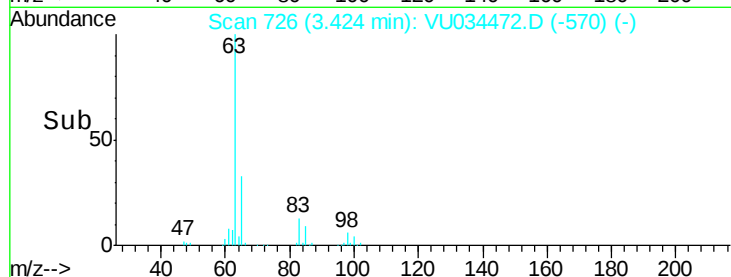
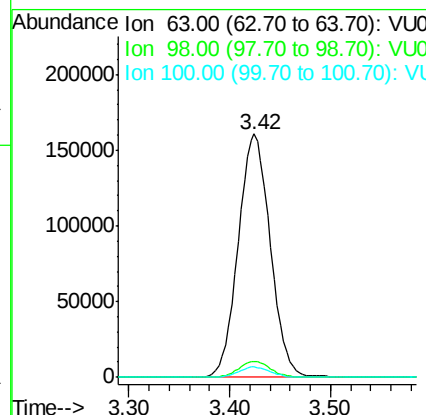
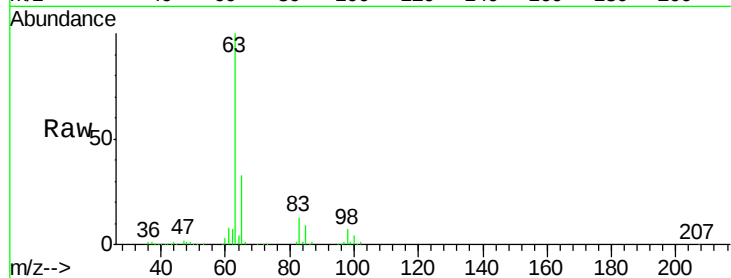
#17
 1,1-Dichloroethane
 Concen: 8.972 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091119

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.6	3.5	10.4	
100	4.2	2.3	6.8	

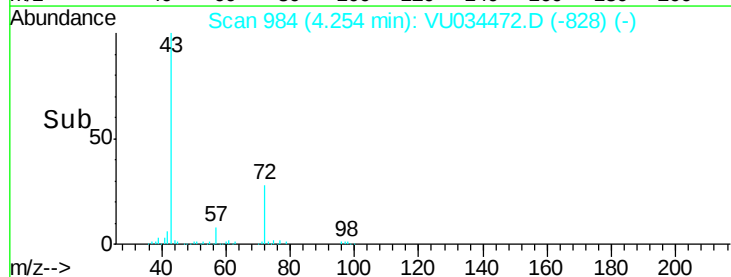
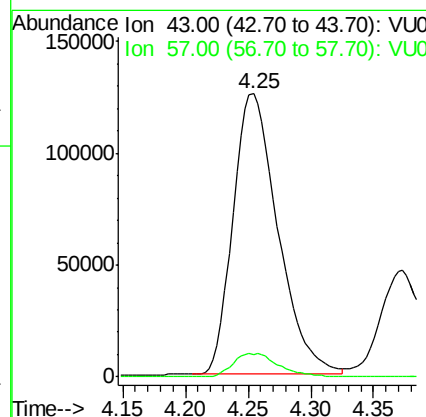
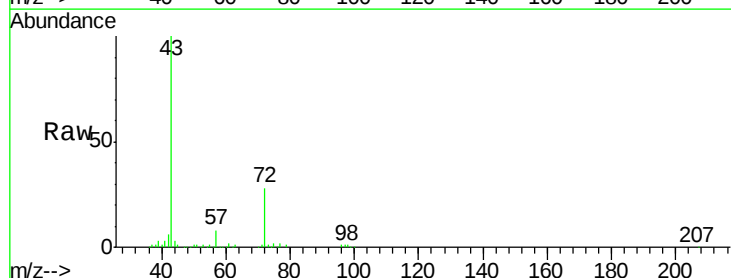
Manual Integrations
 APPROVED

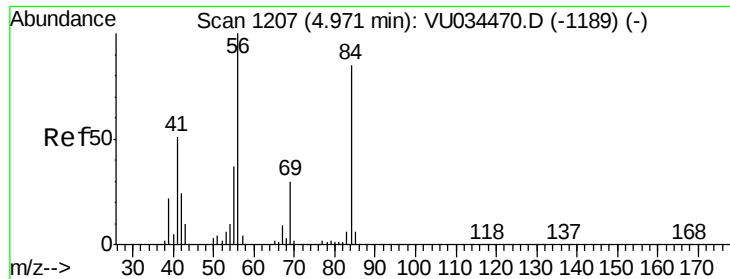
MMDadoda
 9/12/2019 4:53:40 PM



#18
 2-Butanone
 Concen: 66.934 ug/l
 RT: 4.25 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.1	0.0	17.8	





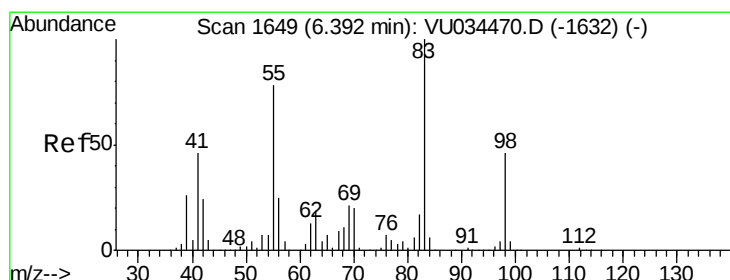
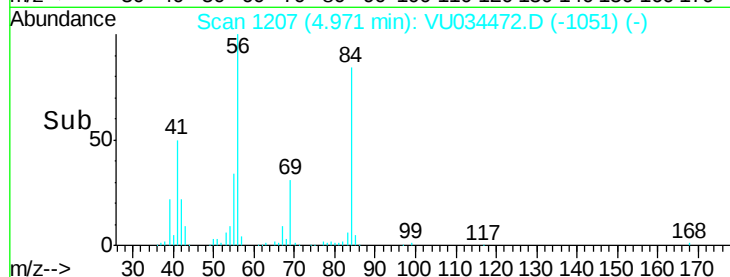
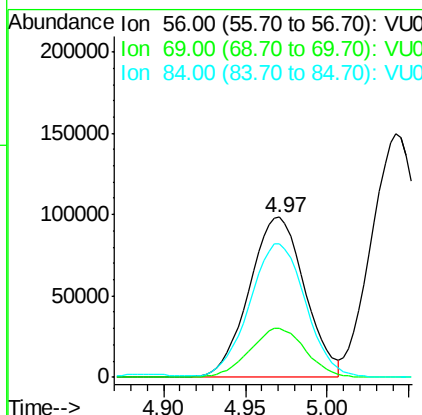
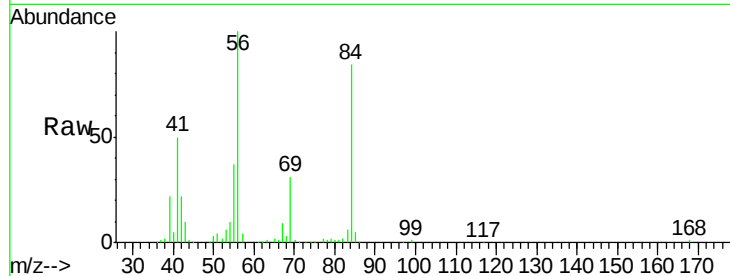
#19
Cyclohexane
Concen: 7.535 ug/l m
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091119

Tot Ion:	56	Resp:	233141
Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.4	36.6
84	83.2	66.9	100.3

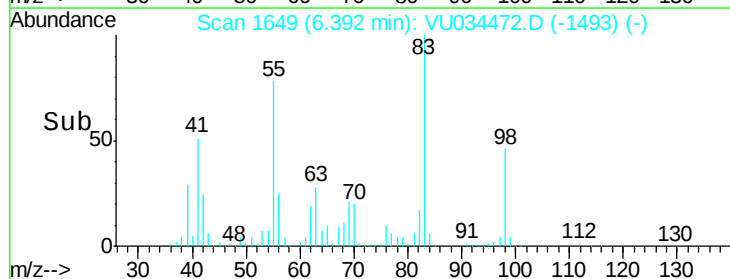
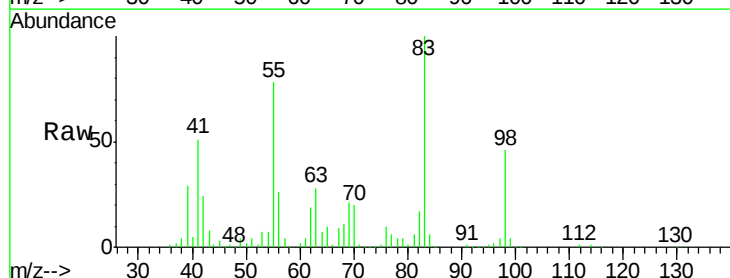
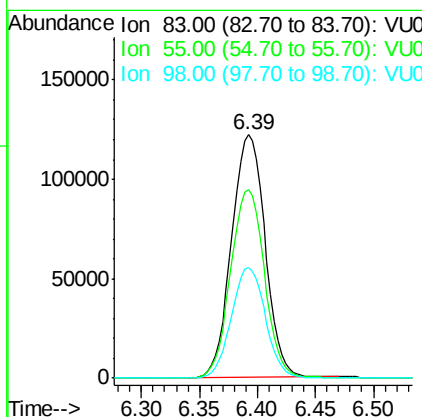
Manual Integrations
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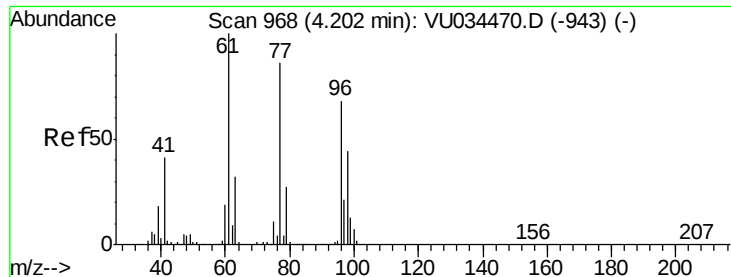
MMDadoda
9/12/2019 4:53:40 PM



#20
Methylcyclohexane
Concen: 7.643 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion:	83	Resp:	246576
Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.7	92.5
98	45.5	36.0	54.0





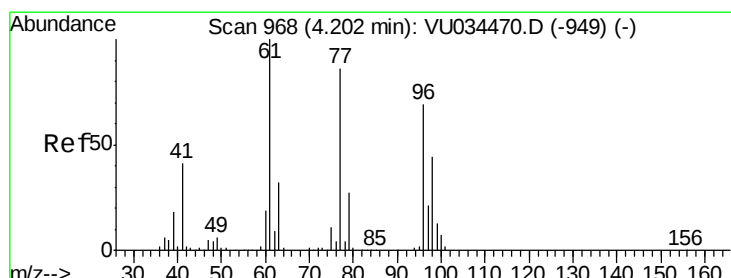
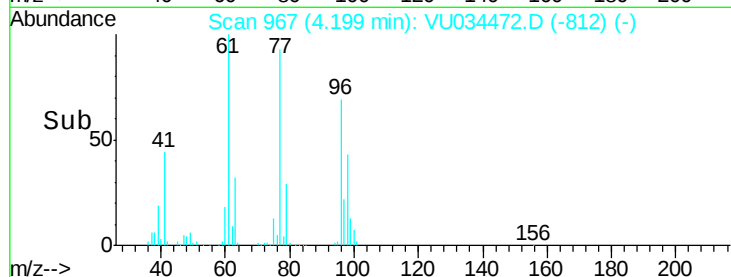
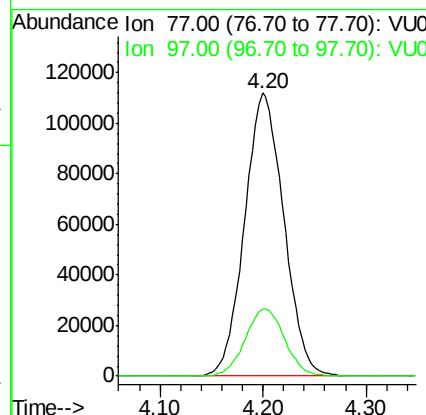
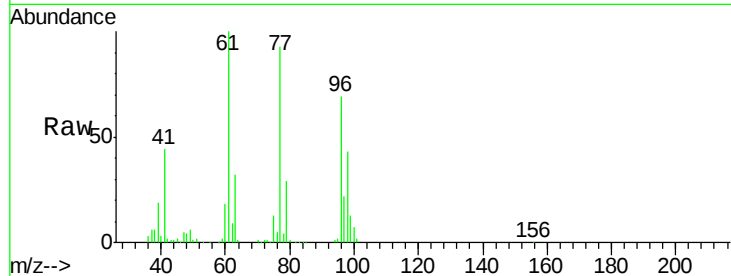
#21
 2,2-Dichloropropane
 Concen: 9.087 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091119

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.9	18.9	28.3

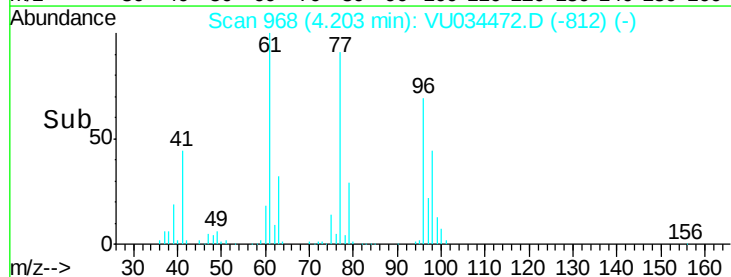
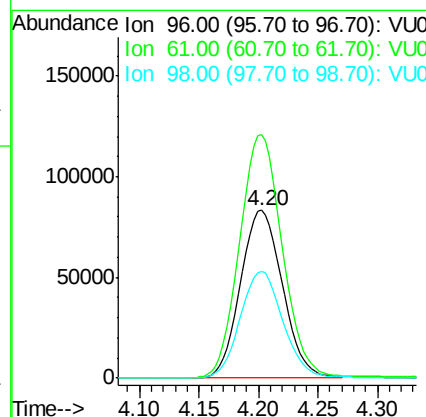
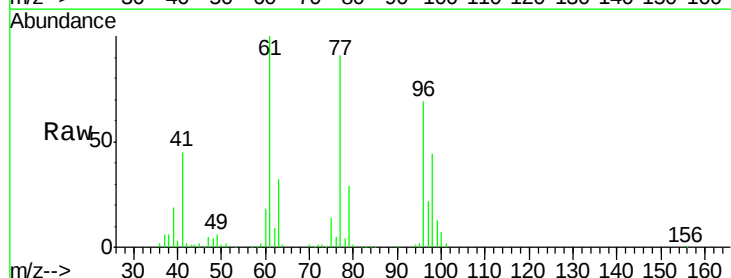
Manual Integrations
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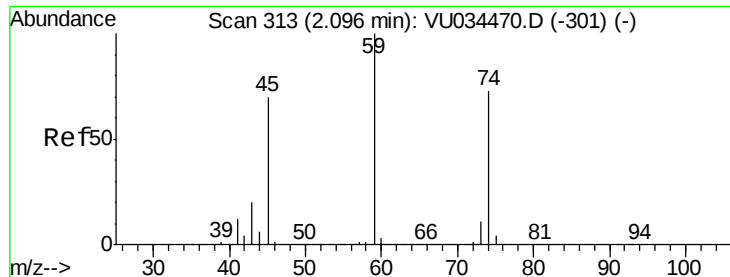
MMDadoda
 9/12/2019 4:53:40 PM



#22
 cis-1,2-Dichloroethene
 Concen: 9.088 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	369.5
98	65.3	32.4	97.2





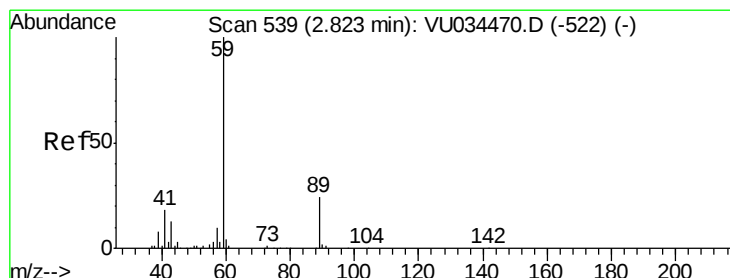
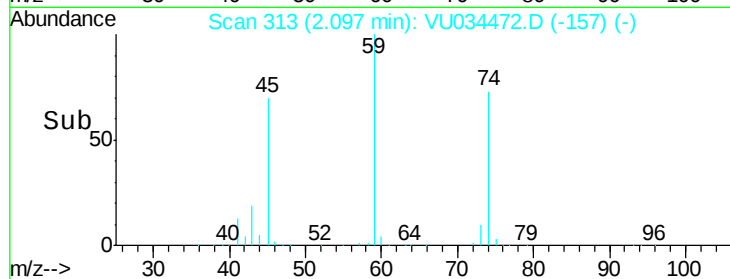
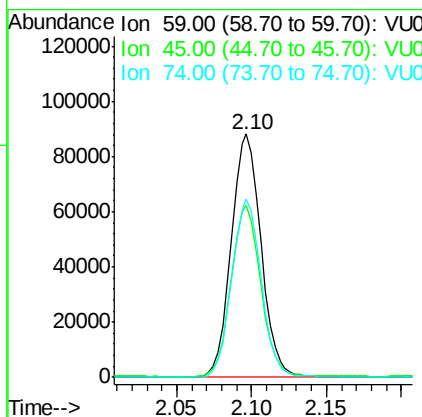
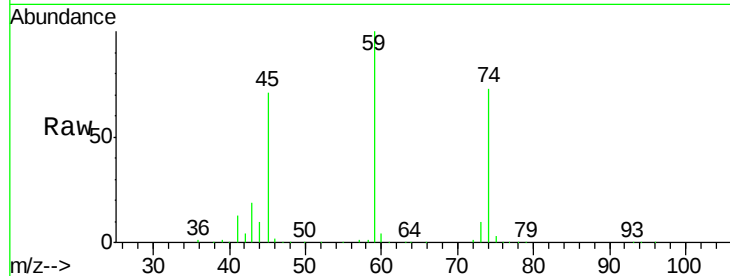
#23
Diethyl Ether
Concen: 8.830 ug/l
RT: 2.10 min Scan# 313
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091119

Tot Ion	Ratio	Lower	Upper
59	100		
45	70.0	56.3	84.5
74	72.2	58.2	87.2

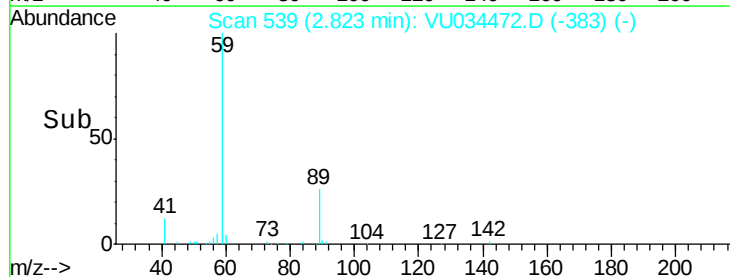
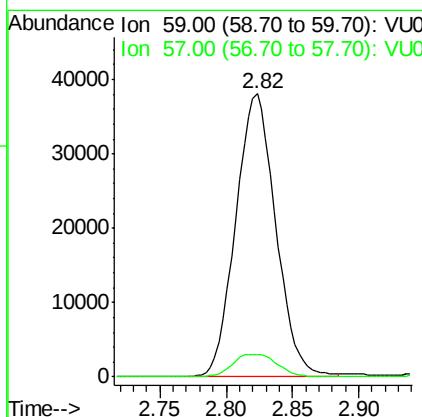
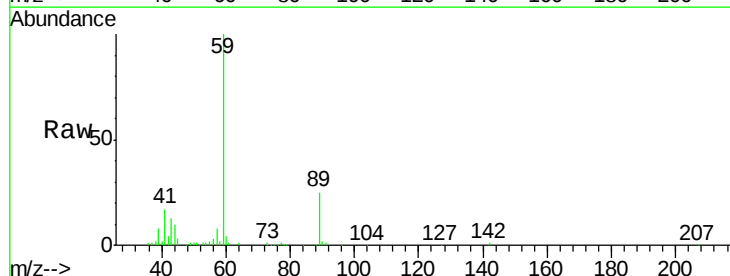
Manual Integrations
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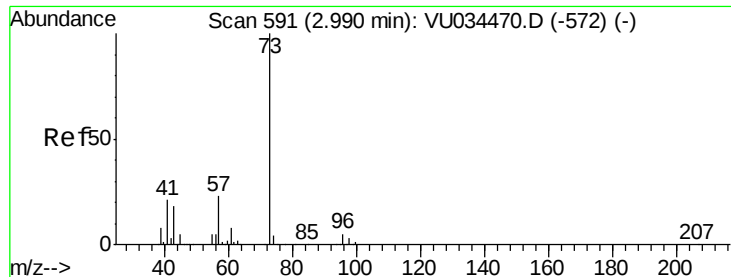
MMDadoda
9/12/2019 4:53:40 PM



#24
tert-Butyl Alcohol
Concen: 53.685 ug/l
RT: 2.82 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.3	10.9





#25

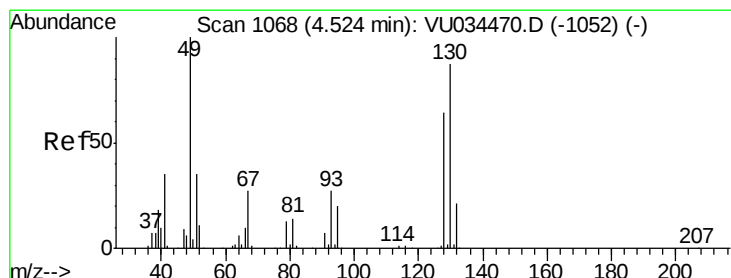
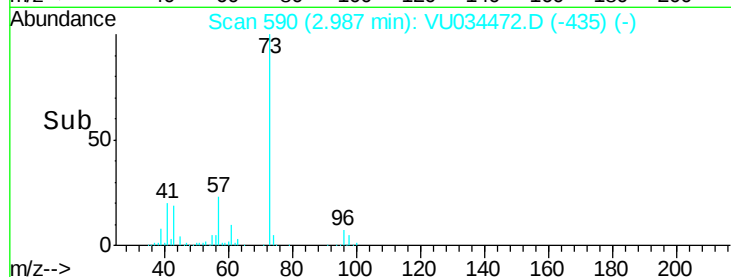
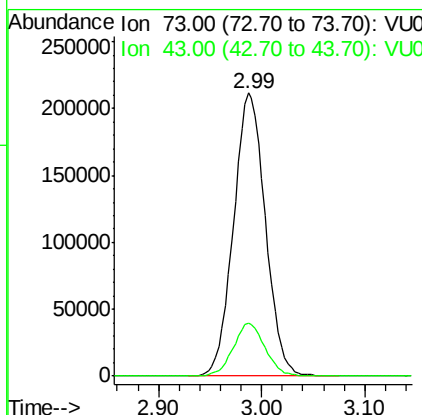
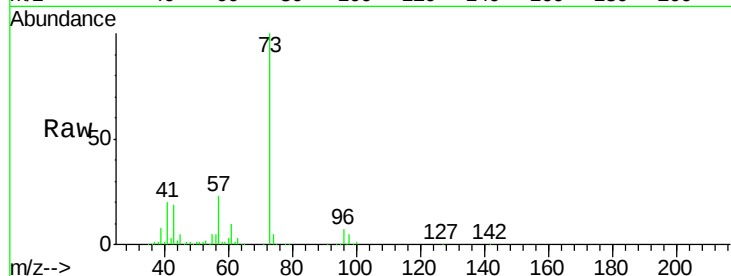
Methvl tert-Butvl Ether
 Concen: 10.257 ug/l
 RT: 2.99 min Scan# 590
 Delta R.T. -0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091119

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.2	14.4	21.6

Manual Integrations
 APPROVED

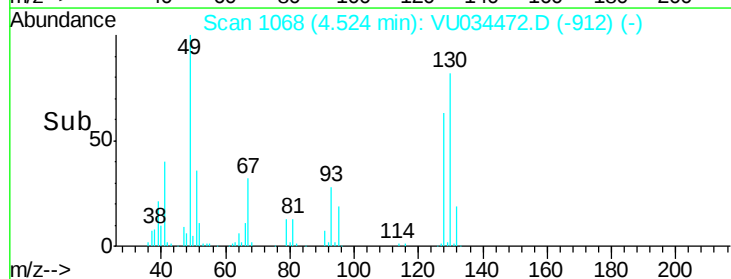
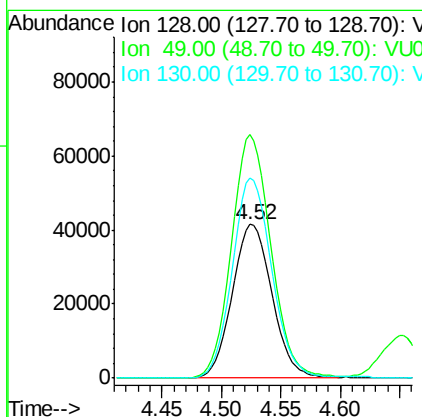
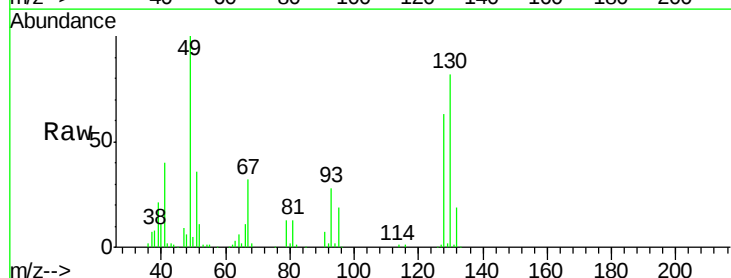
MMDadoda
 9/12/2019 4:53:40 PM

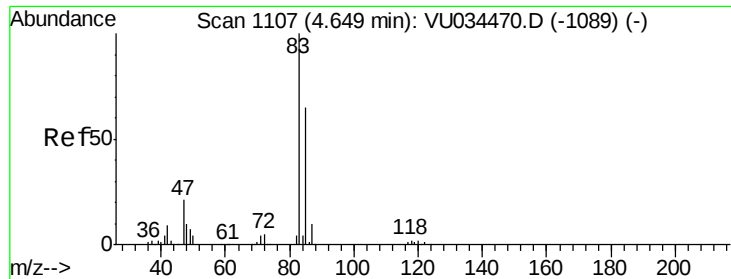


#26

Bromochloromethane
 Concen: 10.147 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
128	100		
49	157.0	0.0	309.8
130	130.2	105.0	157.6





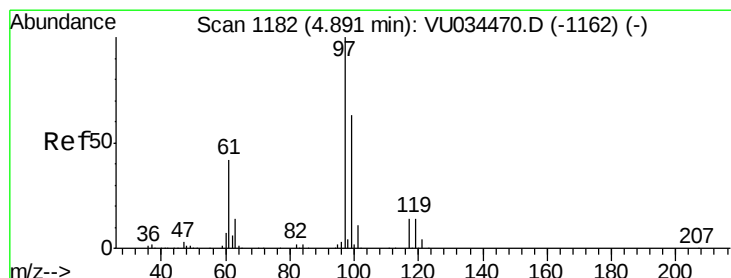
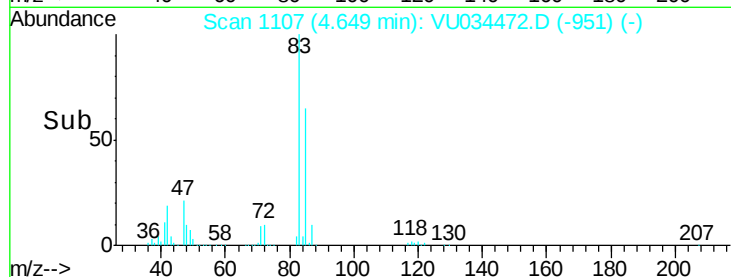
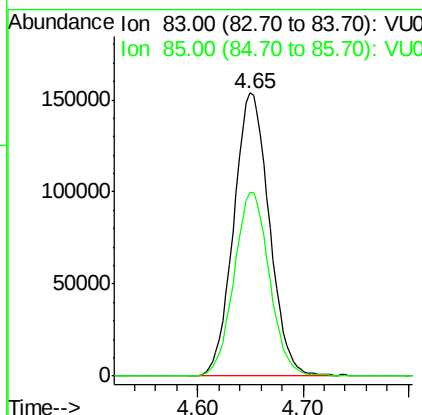
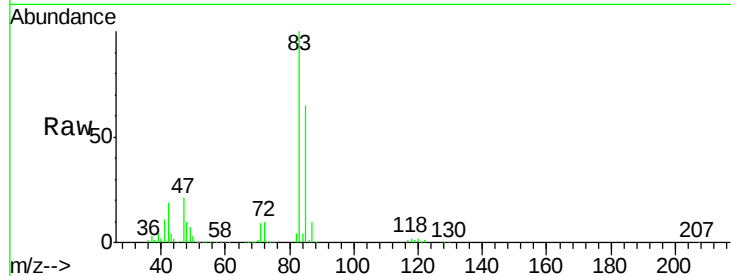
#27
Chloroform
Concen: 8.783 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091119

Tot Ion	83	Resp	360468
Ion Ratio	100	Lower	Upper
85	65.0	0.0	130.2

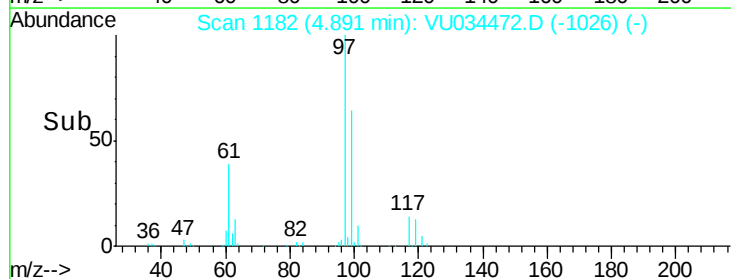
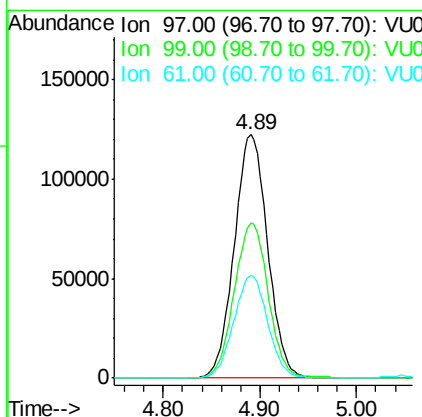
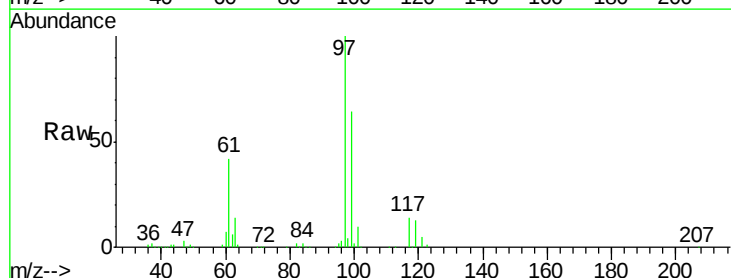
Manual Integrations
APPROVED

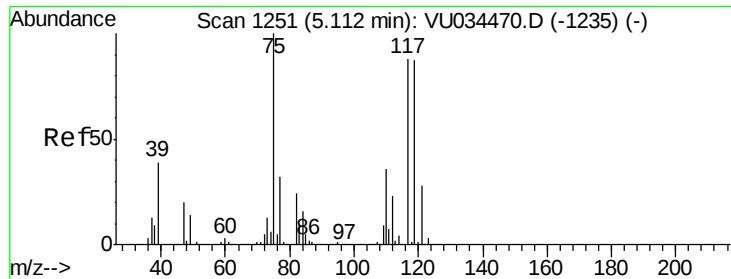
MMDadoda
9/12/2019 4:53:40 PM



#28
1,1,1-Trichloroethane
Concen: 9.123 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion	97	Resp	293654
Ion Ratio	100	Lower	Upper
99	64.8	32.0	96.2
61	42.8	21.4	64.3





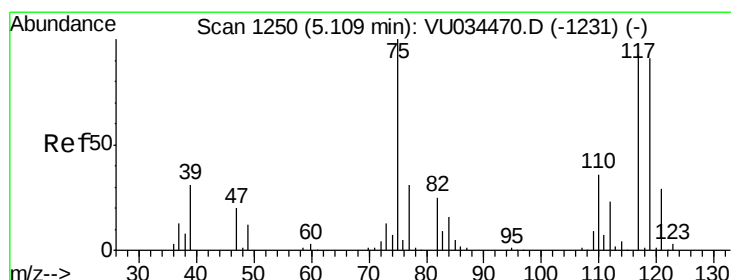
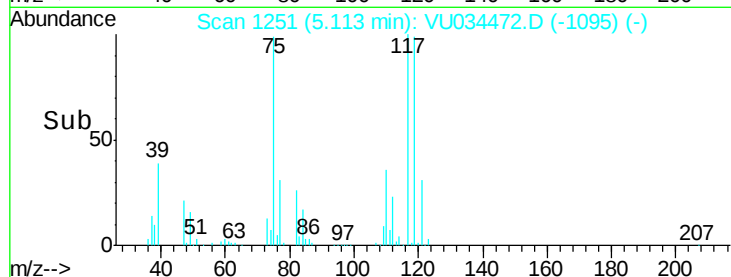
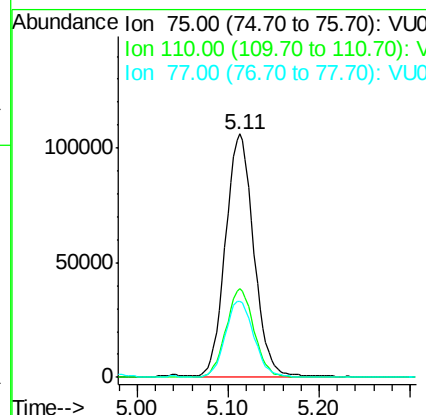
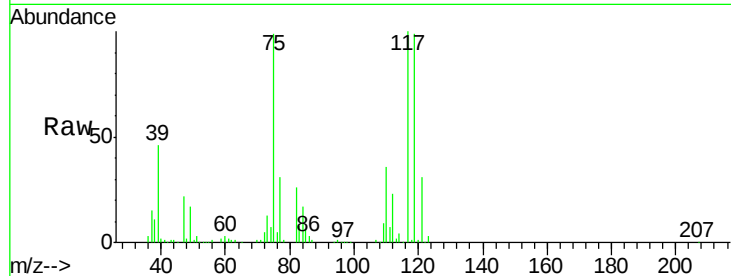
#29
 1,1-Dichloropropene
 Concen: 8.168 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Instrument :
 MSVOA_U
 ClientSampled :
 ICVVU091119

Tot Ion	Ratio	Resp	Lower	Upper
75	100	227194		
110	36.5	18.4	55.2	
77	31.4	25.0	37.6	

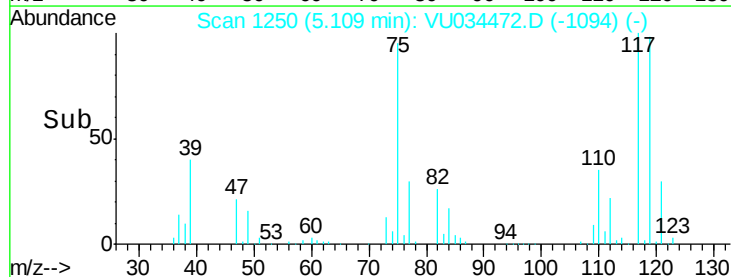
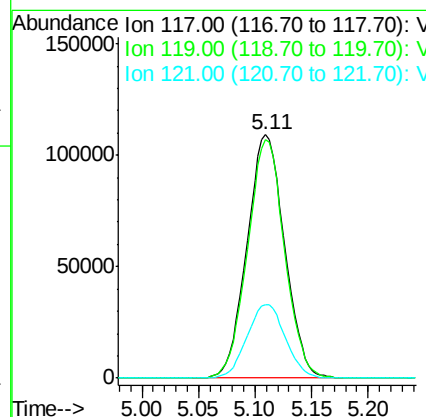
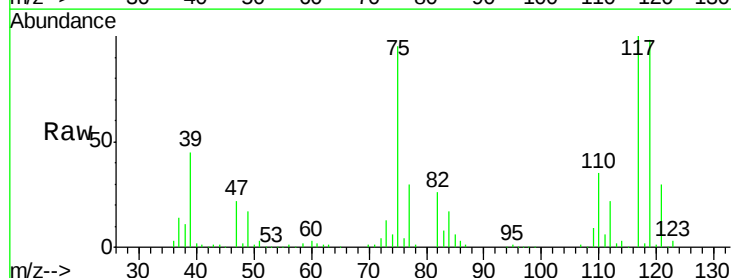
Manual Integrations
 APPROVED

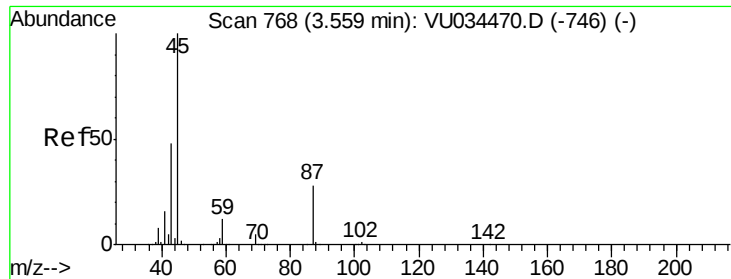
MMDadoda
 9/12/2019 4:53:40 PM



#30
 Carbon Tetrachloride
 Concen: 8.749 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	252374		
119	97.8	78.5	117.7	
121	30.4	25.3	37.9	





#31

Isopropyl Ether

Concen: 10.703 ug/l

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion: 45 Resp: 608241

Ion Ratio Lower Upper

45 100

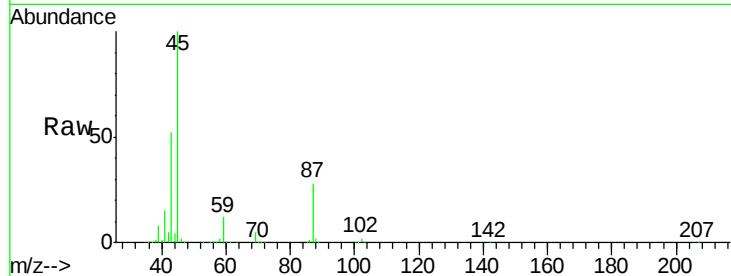
43 224.3 24.8 74.3#

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU034470.D (-746) (-)

Ion 43.00 (42.70 to 43.70): VU034470.D (-746) (-)

600000

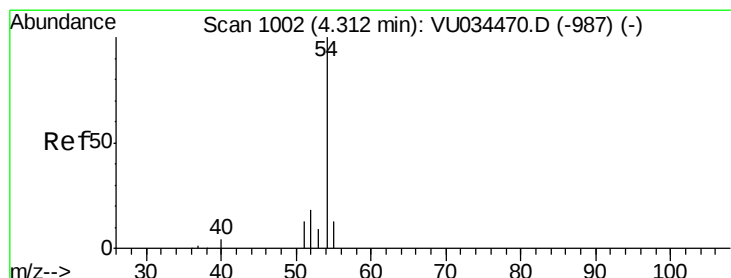
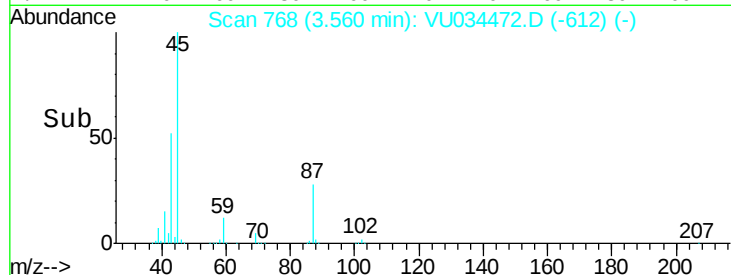
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#34

Propionitrile

Concen: 125.209 ug/l

RT: 4.31 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Tgt Ion: 54 Resp: 164849

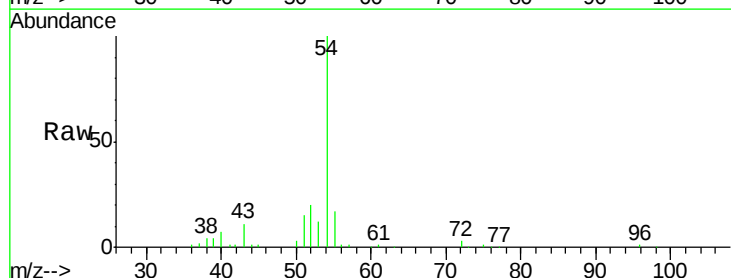
Ion Ratio Lower Upper

54 100

52 18.1 14.1 21.1

55 14.6 13.3 19.9

40 5.7 3.8 5.8



Abundance Ion 54.00 (53.70 to 54.70): VU034470.D (-987) (-)

Ion 52.00 (51.70 to 52.70): VU034470.D (-987) (-)

Ion 55.00 (54.70 to 55.70): VU034470.D (-987) (-)

Ion 40.00 (39.70 to 40.70): VU034470.D (-987) (-)

100000

80000

60000

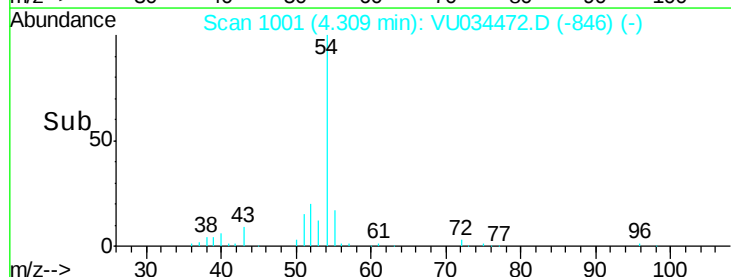
40000

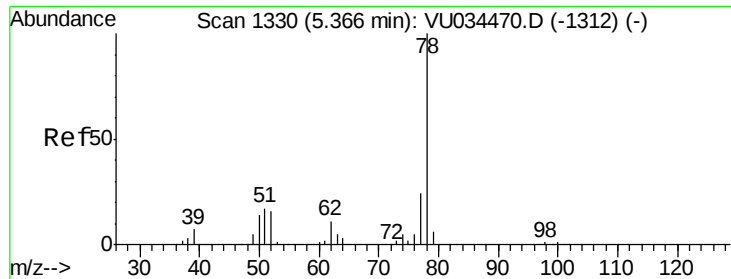
20000

0

4.20 4.30 4.40 4.50

Time-->





#35

Benzene

Concen: 8.890 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion: 78 Resp: 741640

Ion Ratio Lower Upper

78 100

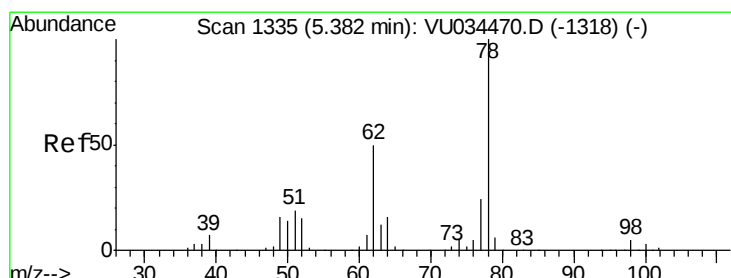
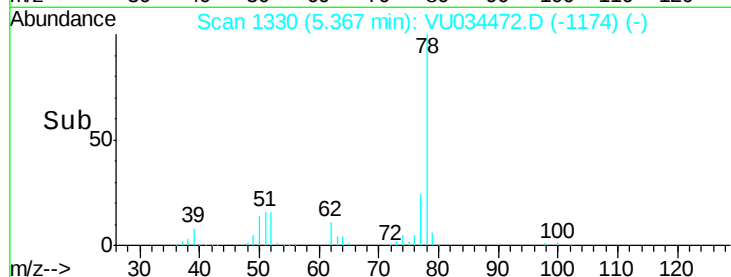
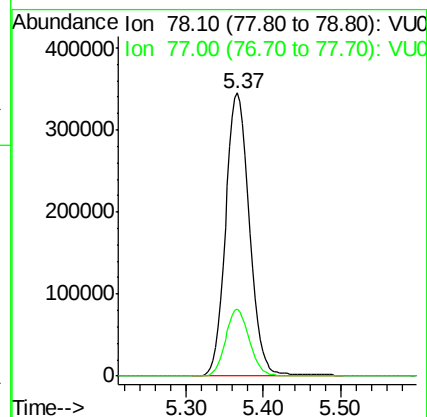
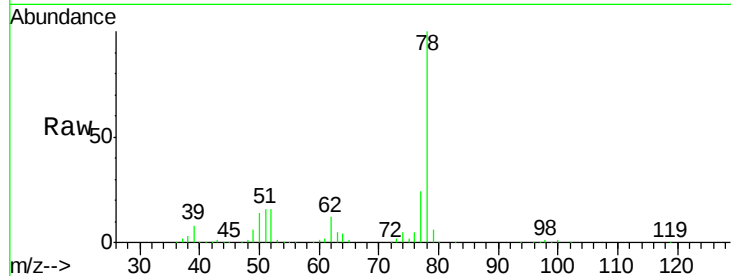
77 23.6 19.3 28.9

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 9.558 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034472.D

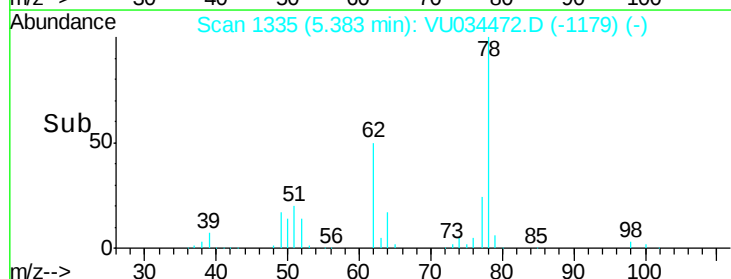
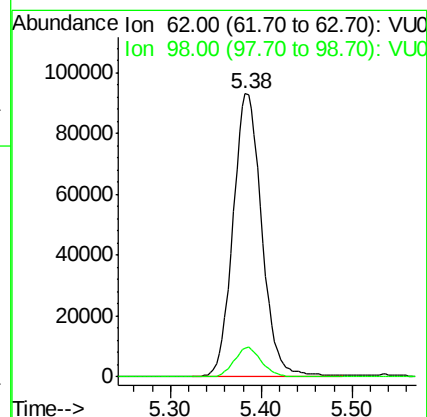
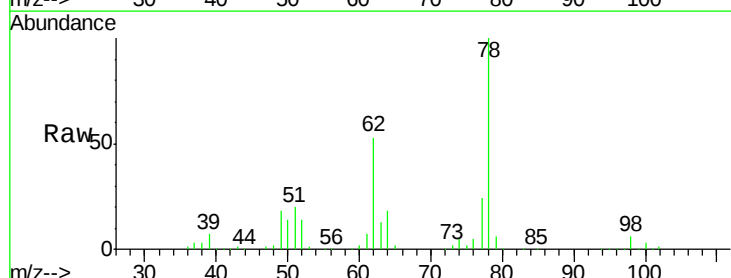
Acq: 11 Sep 2019 12:28

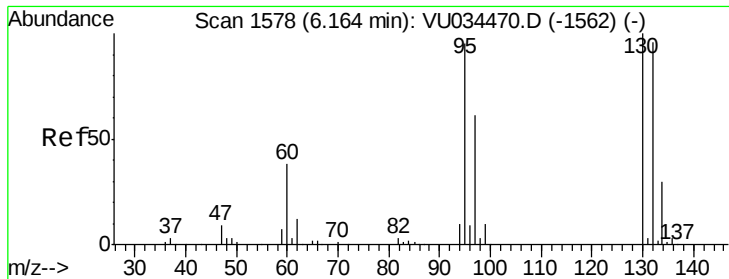
Tgt Ion: 62 Resp: 204790

Ion Ratio Lower Upper

62 100

98 9.9 8.0 12.0





#37

Trichloroethene

Concen: 8.777 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion:130 Resp: 204866

Ion Ratio Lower Upper

130 100

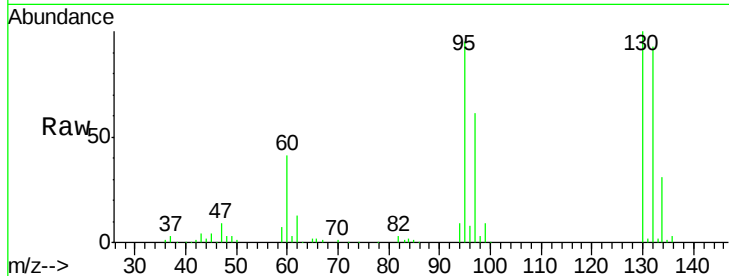
95 94.6 76.3 114.5

Manual Integrations

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9/12/2019 4:53:40 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.16

120000

100000

80000

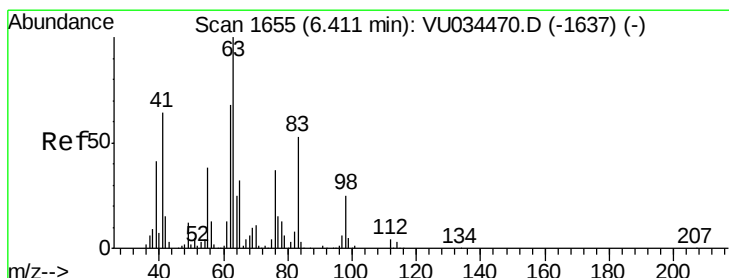
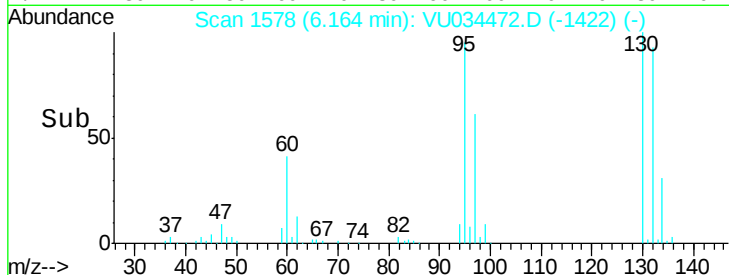
60000

40000

20000

0

Time-->



#38

1,2-Dichloropropane

Concen: 9.688 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034472.D

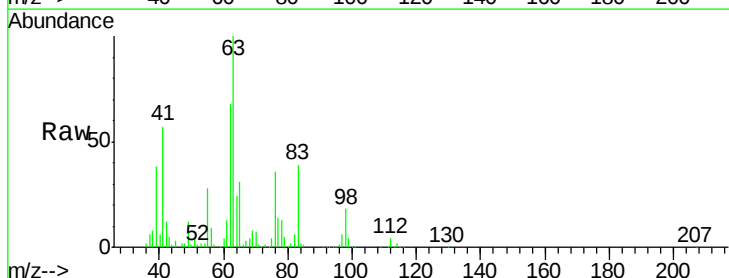
Acq: 11 Sep 2019 12:28

Tgt Ion: 63 Resp: 214109

Ion Ratio Lower Upper

63 100

65 30.9 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.41

120000

100000

80000

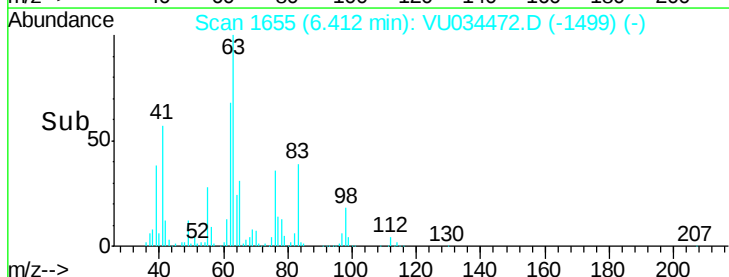
60000

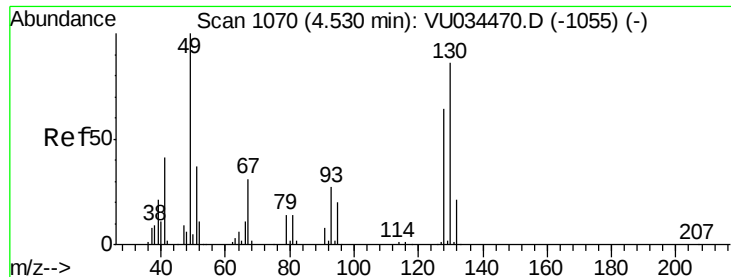
40000

20000

0

Time-->





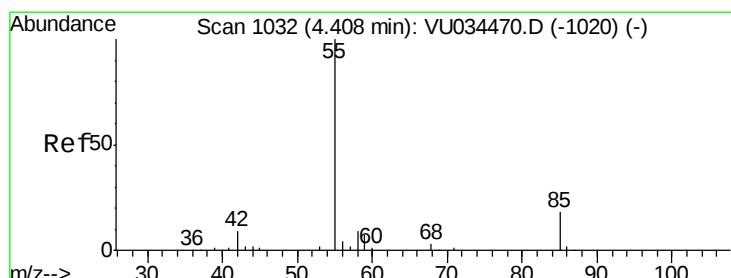
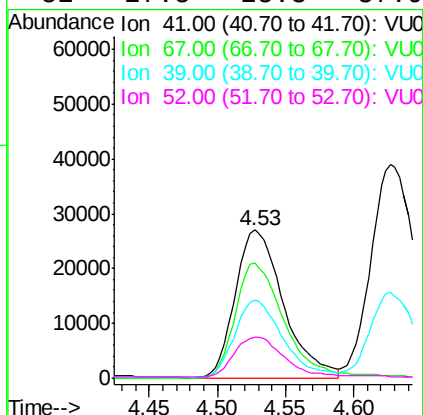
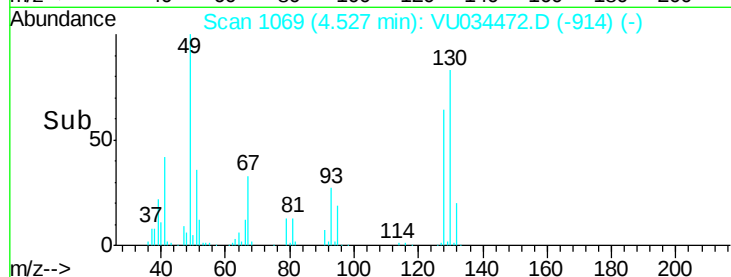
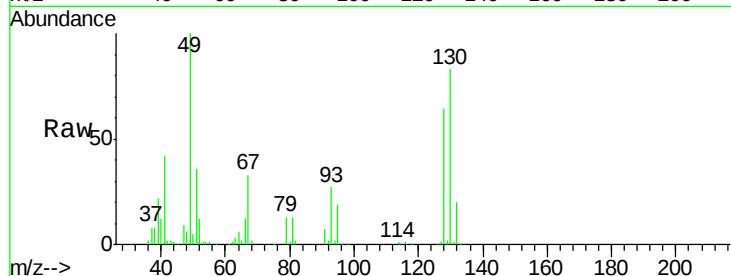
#39
Methacrylonitrile
Concen: 12.137 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091119

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
67	80.0	62.6	94.0	
39	52.4	41.6	62.4	
52	27.5	25.3	37.9	

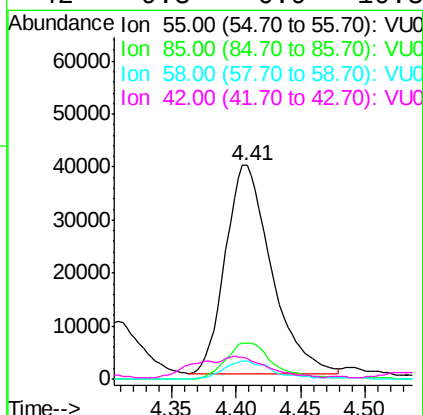
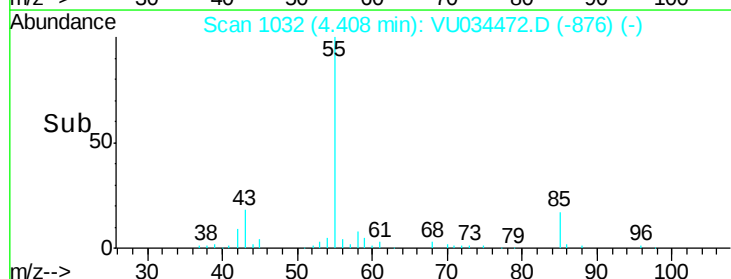
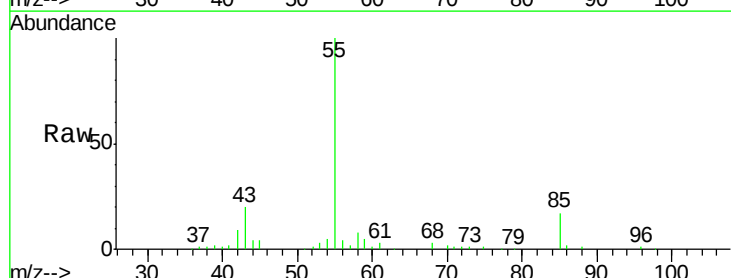
Manual Integrations
APPROVED

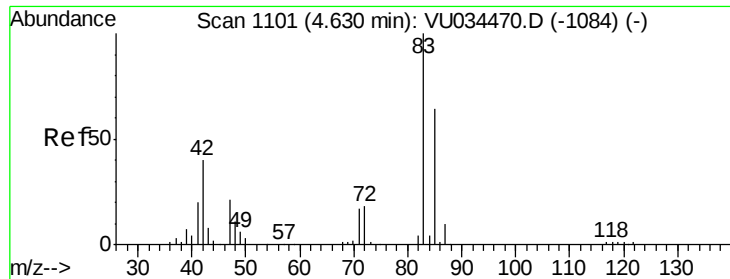
MMDadoda
9/12/2019 4:53:40 PM



#40
Methyl acrylate
Concen: 11.753 ug/l
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
55	100			
85	17.9	13.8	20.6	
58	9.2	7.0	10.6	
42	9.3	6.9	10.3	





#41

Tetrahydrofuran

Concen: 59.122 ug/l

RT: 4.63 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

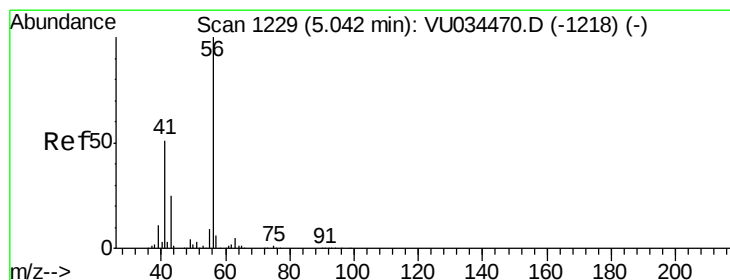
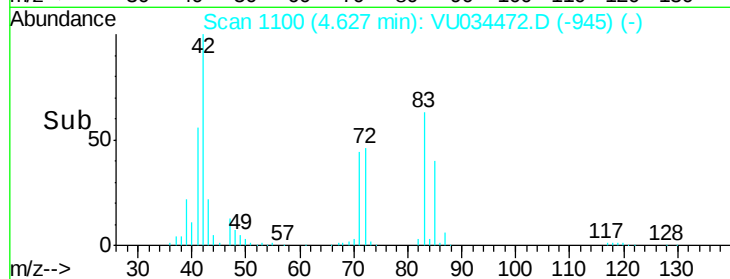
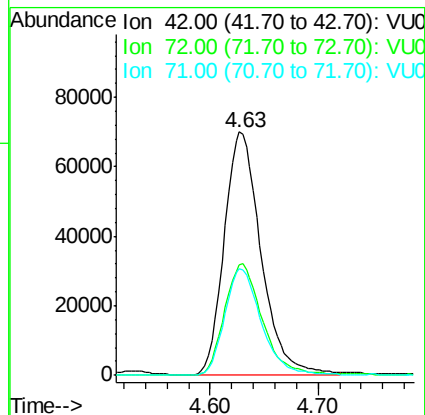
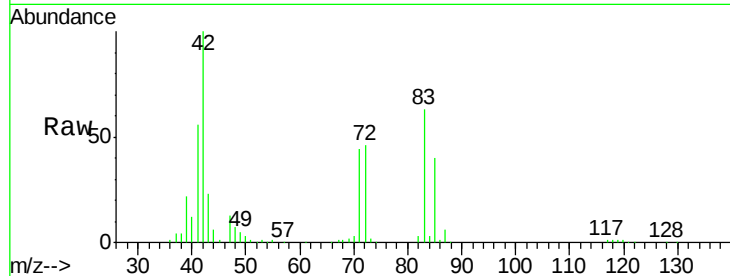
ClientSampleId :

ICVVU091119

Tot Ion:	42	Resp:	165033
Ion	Ratio	Lower	Upper
42	100		
72	47.5	39.6	59.4
71	44.1	33.6	50.4

Manual Integrations
APPROVED

MMDadoda
9/12/2019 4:53:40 PM



#42

1-Chlorobutane

Concen: 8.572 ug/l

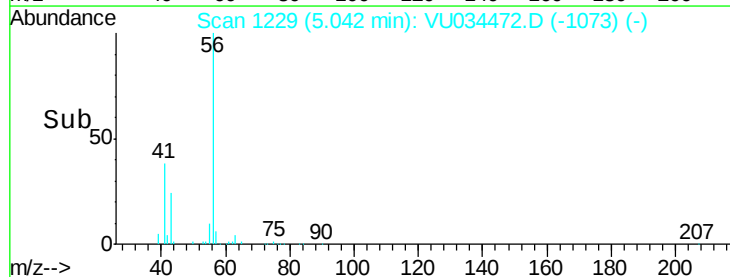
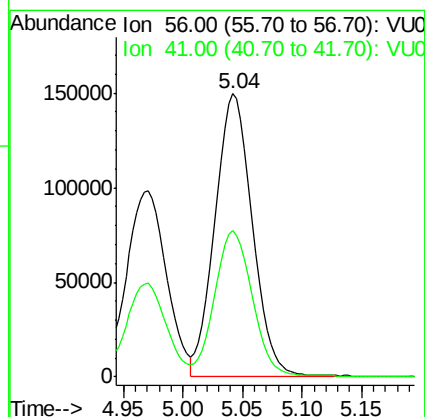
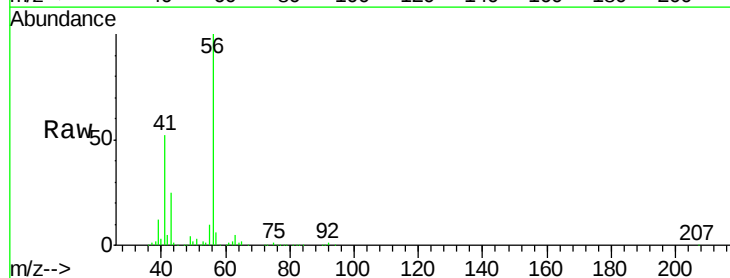
RT: 5.04 min Scan# 1229

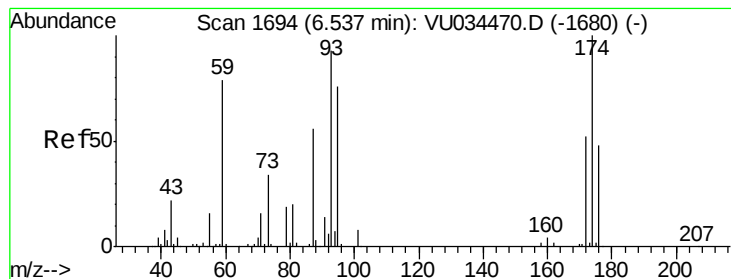
Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Tgt Ion:	56	Resp:	324008
Ion	Ratio	Lower	Upper
56	100		
41	52.2	25.5	76.5





#43

Dibromomethane

Concen: 9.669 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

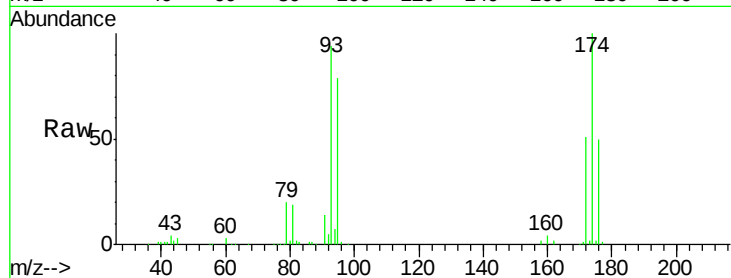
ClientSampleId :

ICVVU091119

Tot Ion:	93	Resp:	100579
Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.1	100.7
174	107.2	88.7	133.1

Manual Integrations
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MMDadoda
9/12/2019 4:53:40 PM

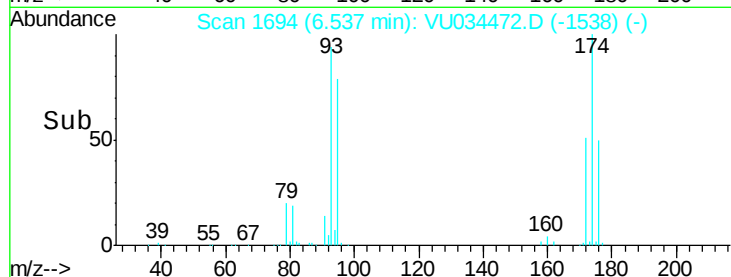


Abundance Ion 93.00 (92.70 to 93.70): VU034472.D (-1680) (-)

Ion 95.00 (94.70 to 95.70): VU034472.D (-1680) (-)

Ion 174.00 (173.70 to 174.70): VU034472.D (-1680) (-)

Time-->

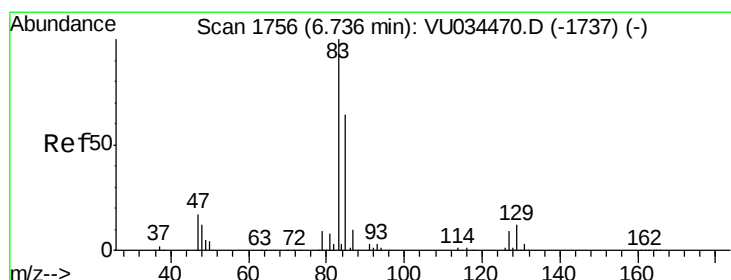


Abundance Ion 93.00 (92.70 to 93.70): VU034472.D (-1538) (-)

Ion 95.00 (94.70 to 95.70): VU034472.D (-1538) (-)

Ion 174.00 (173.70 to 174.70): VU034472.D (-1538) (-)

Time-->



#44

Bromodichloromethane

Concen: 10.111 ug/l

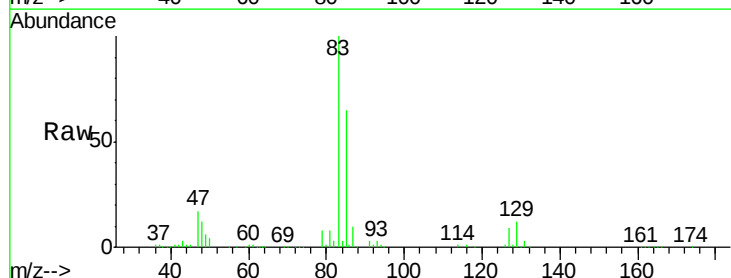
RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Tgt Ion:	83	Resp:	270258
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7
127	9.1	7.1	10.7

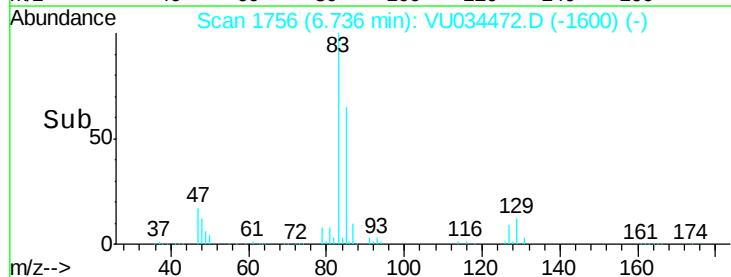


Abundance Ion 83.00 (82.70 to 83.70): VU034472.D (-1737) (-)

Ion 85.00 (84.70 to 85.70): VU034472.D (-1737) (-)

Ion 127.00 (126.70 to 127.70): VU034472.D (-1737) (-)

Time-->

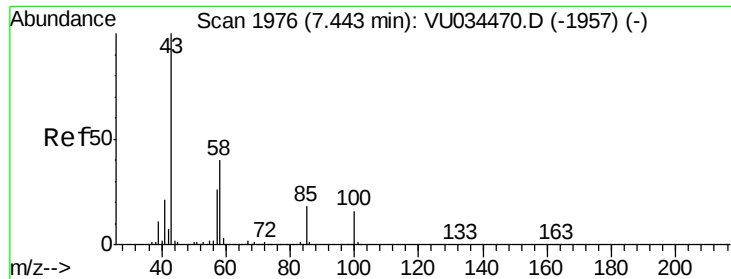


Abundance Ion 83.00 (82.70 to 83.70): VU034472.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VU034472.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VU034472.D (-1600) (-)

Time-->



#45

4-Methyl-2-Pentanone

Concen: 62.031 ug/l

RT: 7.44 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

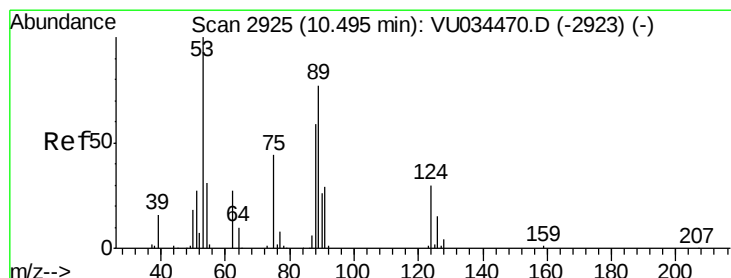
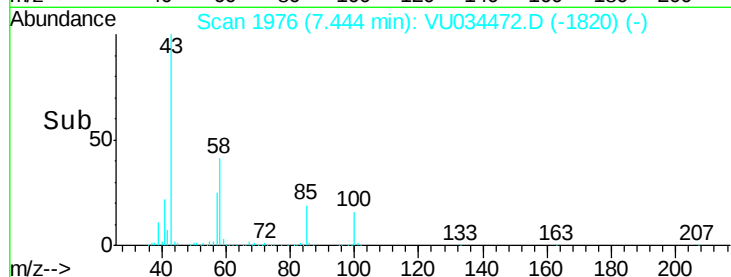
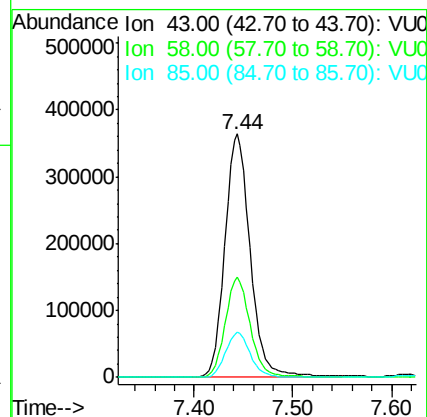
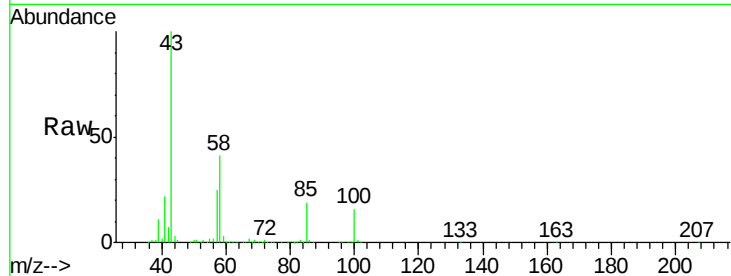
ClientSampleId :

ICVVU091119

Tot Ion:	43	Resp:	654264
Ion	Ratio	Lower	Upper
43	100		
58	40.6	20.2	60.6
85	18.3	14.6	21.8

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#46

t-1,4-Dichloro-2-butene

Concen: 12.943 ug/l m

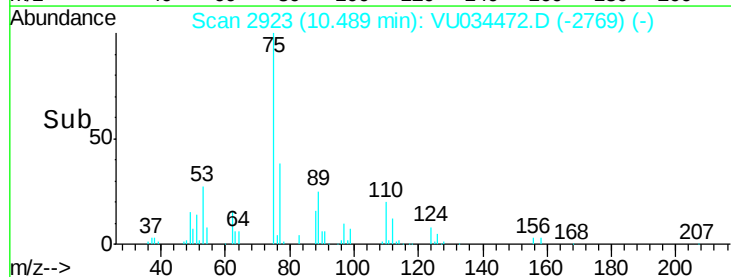
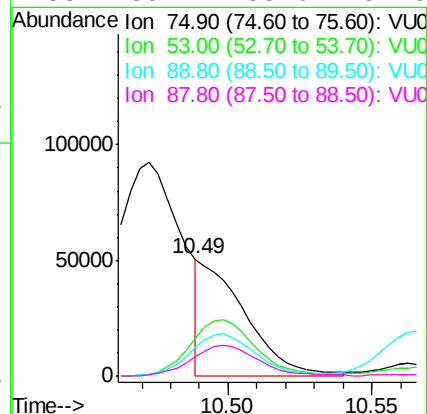
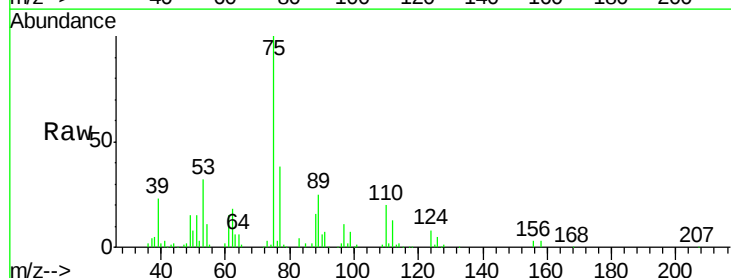
RT: 10.49 min Scan# 2923

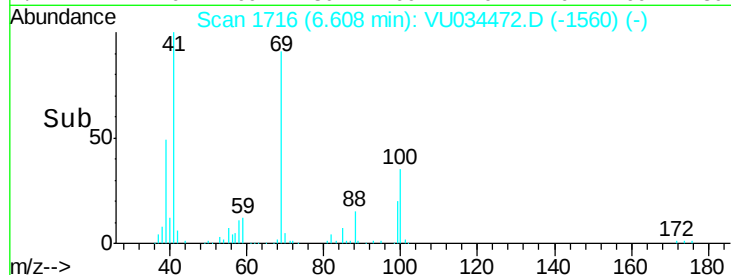
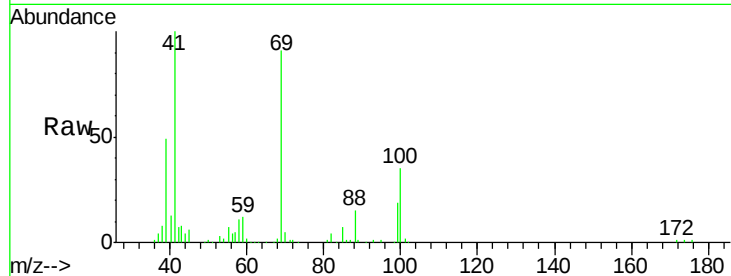
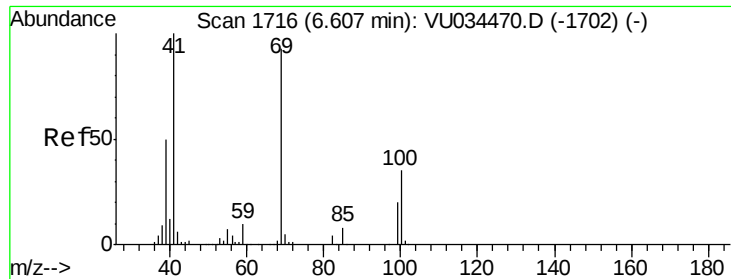
Delta R.T. -0.01 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Tgt Ion:	75	Resp:	54410
Ion	Ratio	Lower	Upper
75	100		
53	71.0	63.3	94.9
89	53.4	46.2	69.2
88	39.4	35.0	52.6





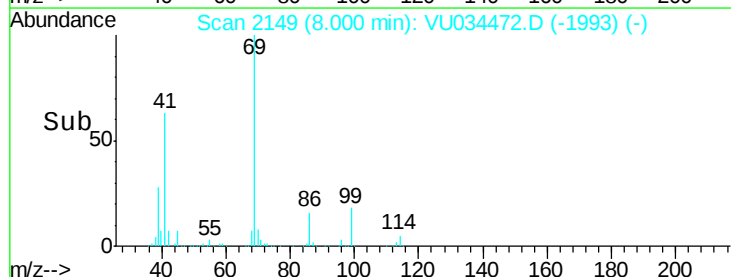
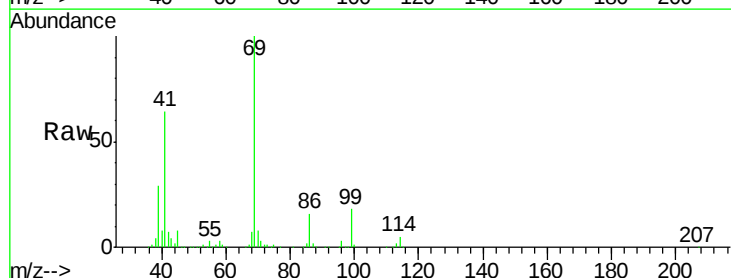
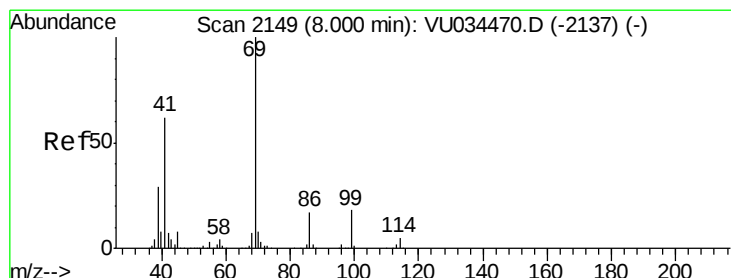
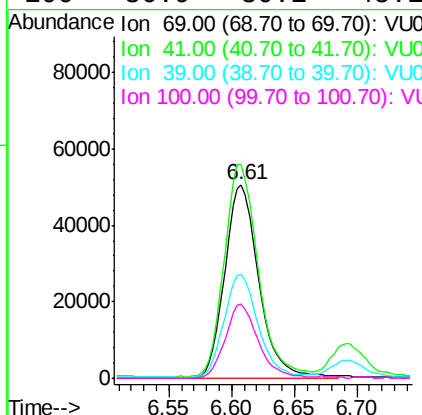
#47
Methyl methacrylate
Concen: 11.549 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	107.8	0.0	212.8		
39	53.5	43.0	64.4		
100	36.9	30.1	45.1		

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091119

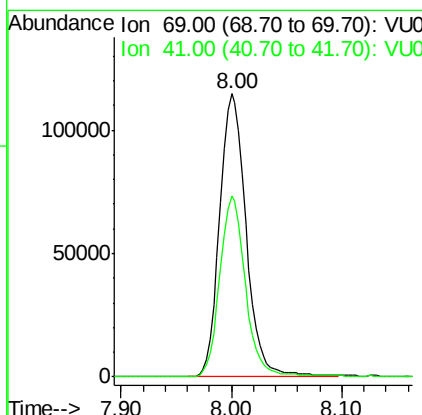
Manual Integrations
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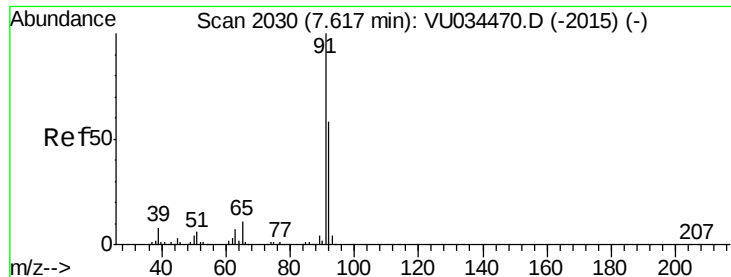
MMDadoda
9/12/2019 4:53:40 PM



#48
Ethyl methacrylate
Concen: 12.855 ug/l
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	62.4	30.6	91.8		





#49

Toluene

Concen: 9.653 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion: 92 Resp: 469828

Ion Ratio Lower Upper

92 100

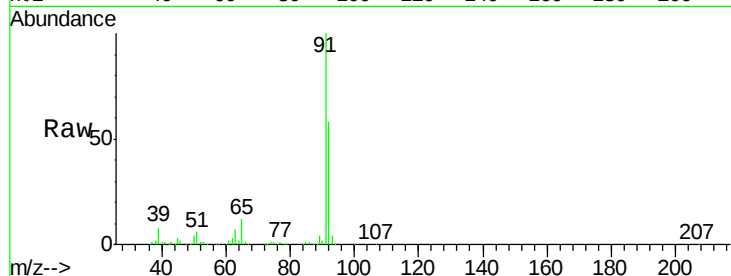
91 173.3 138.6 208.0

Manual Integrations

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9/12/2019 4:53:40 PM



Abundance Ion 92.00 (91.70 to 92.70): VU034472.D (-1874) (-)

Ion 91.00 (90.70 to 91.70): VU034472.D (-1874) (-)

500000

400000

300000

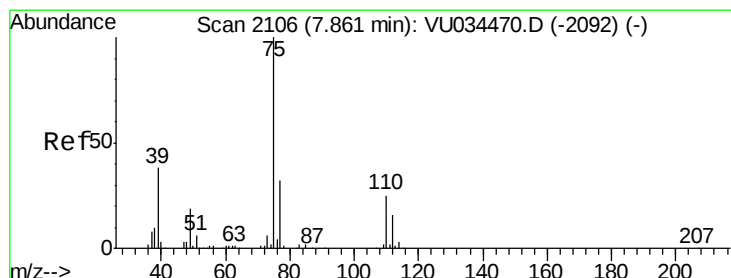
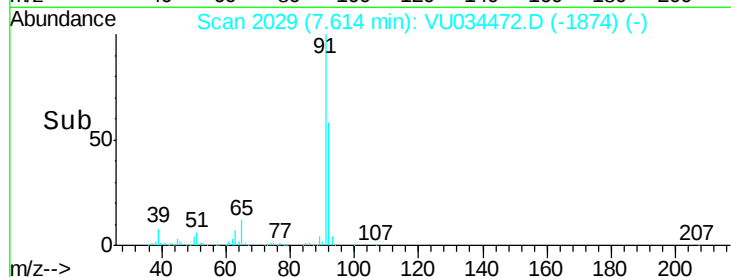
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#50

t-1,3-Dichloropropene

Concen: 11.280 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034472.D

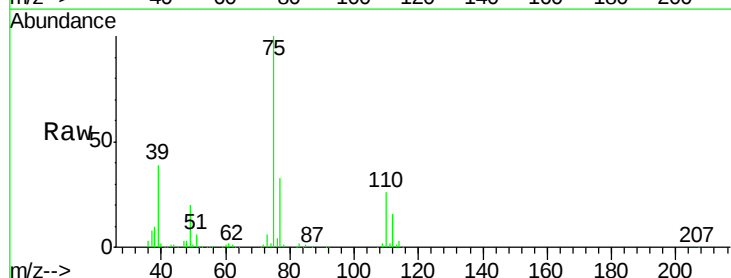
Acq: 11 Sep 2019 12:28

Tgt Ion: 75 Resp: 248274

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU034472.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VU034472.D (-1950) (-)

150000

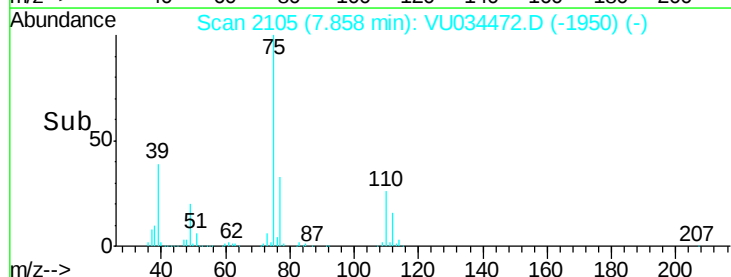
100000

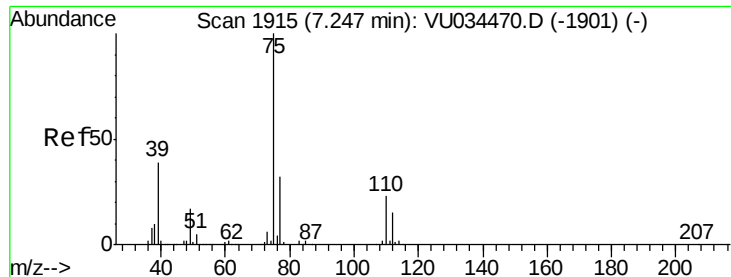
50000

0

7.80 7.90 8.00

Time-->





#51

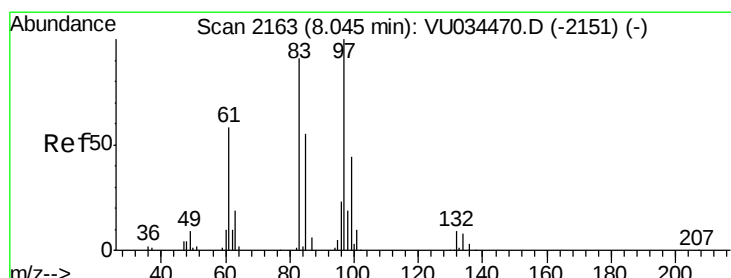
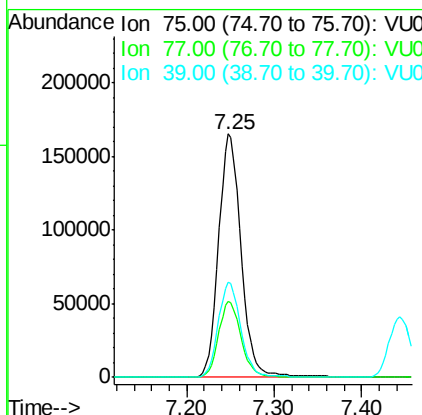
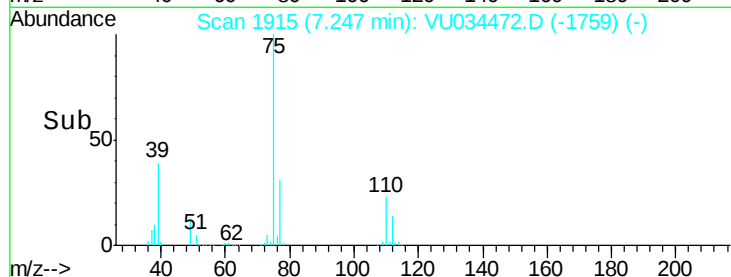
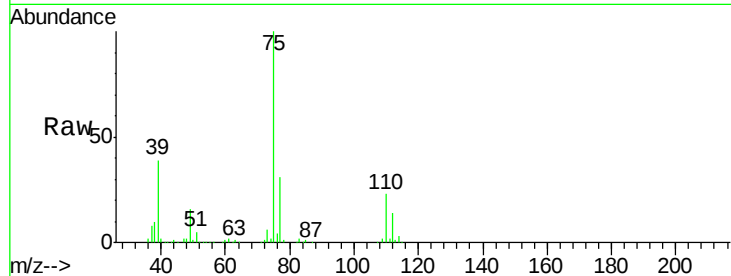
cis-1,3-Dichloropropene
 Concen: 10.659 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091119

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.3	37.9
39	39.0	31.0	46.4

Manual Integrations
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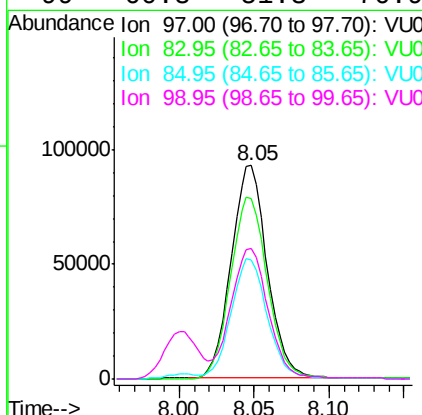
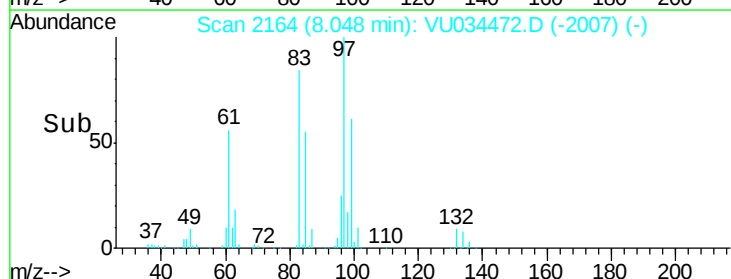
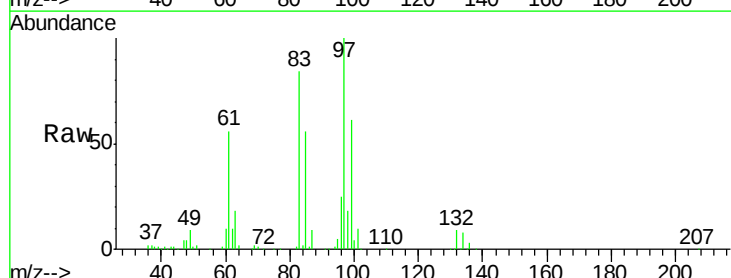
MMDadoda
 9/12/2019 4:53:40 PM

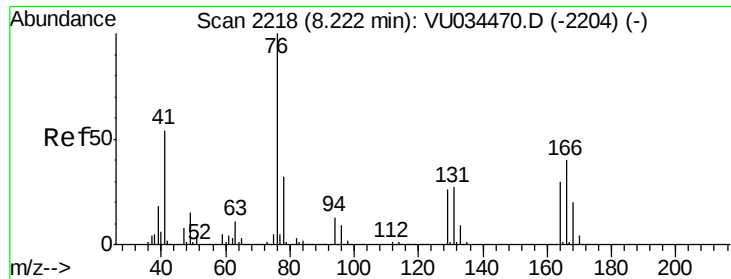


#52

1,1,2-Trichloroethane
 Concen: 10.753 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.6	72.5	108.7
85	55.4	45.4	68.0
99	60.8	51.3	76.9





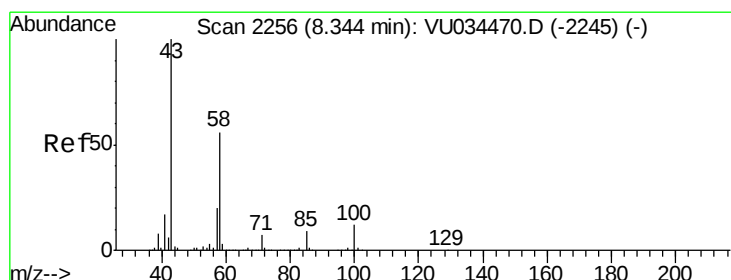
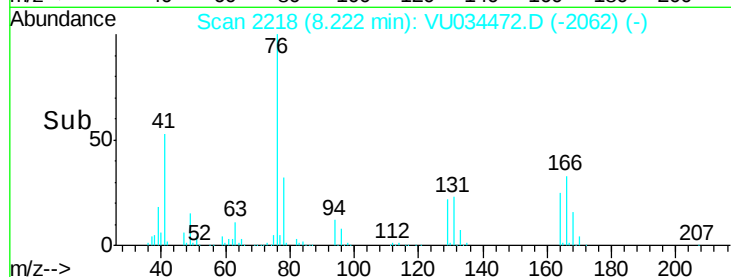
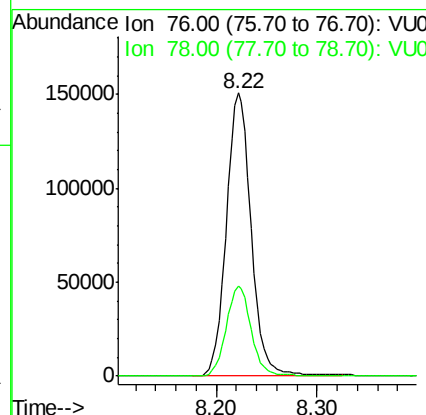
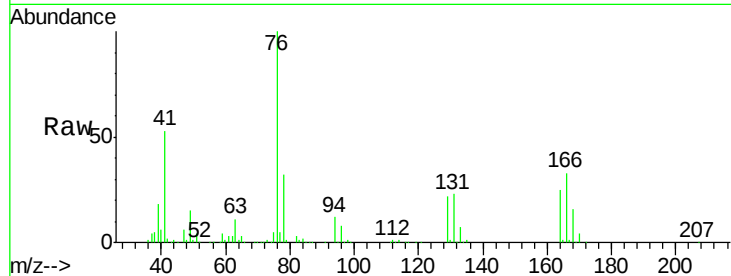
#53
 1,3-Dichloropropane
 Concen: 10.748 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091119

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1

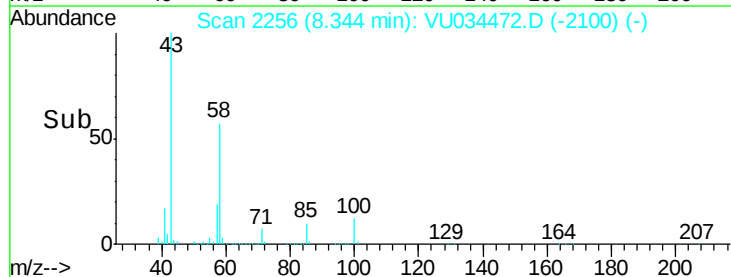
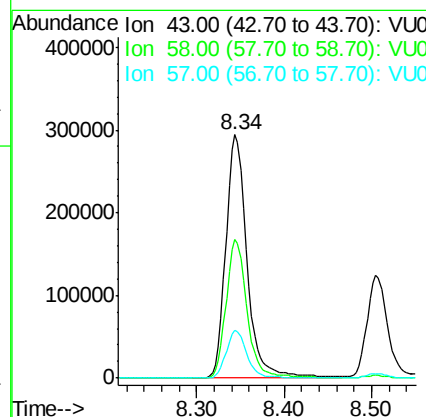
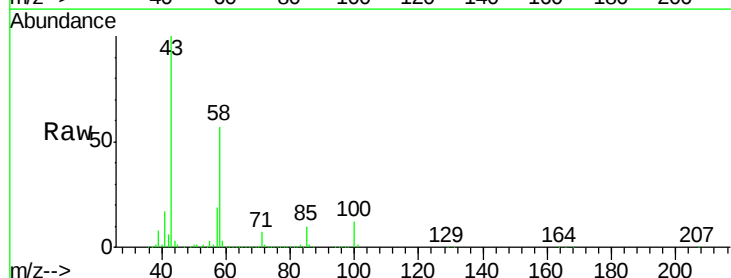
Manual Integrations
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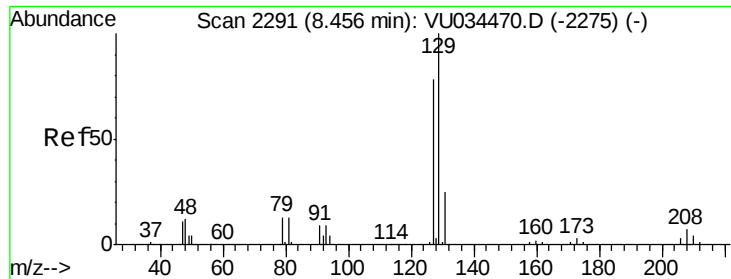
MMDadoda
 9/12/2019 4:53:40 PM



#54
 2-Hexanone
 Concen: 70.069 ug/l
 RT: 8.34 min Scan# 2256
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.5	36.4	76.4
57	19.4	0.0	39.5





#55

Dibromochloromethane

Concen: 10.786 ug/l

RT: 8.46 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion:129 Resp: 189321

Ion Ratio Lower Upper

129 100

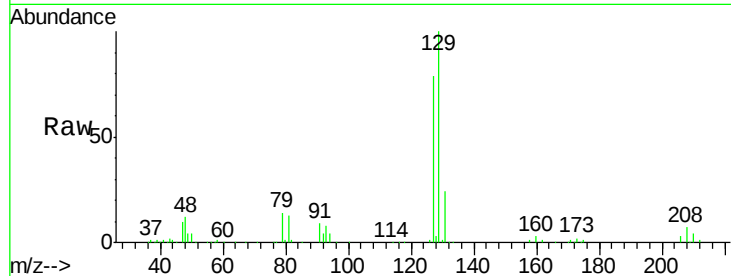
127 78.5 60.9 91.3

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

8.46

120000

100000

80000

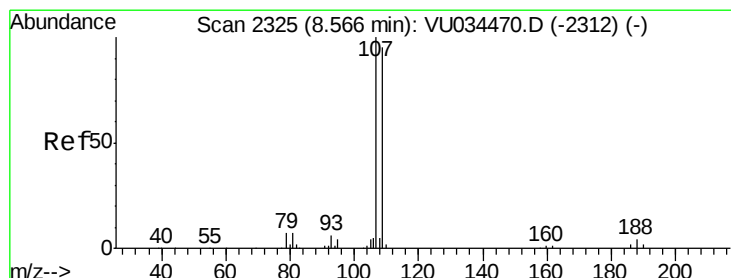
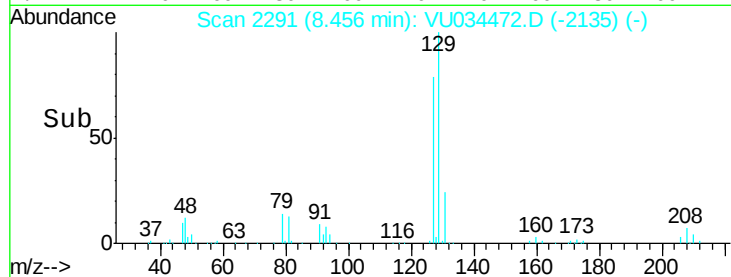
60000

40000

20000

0

Time-->



#56

1,2-Dibromoethane

Concen: 10.538 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034472.D

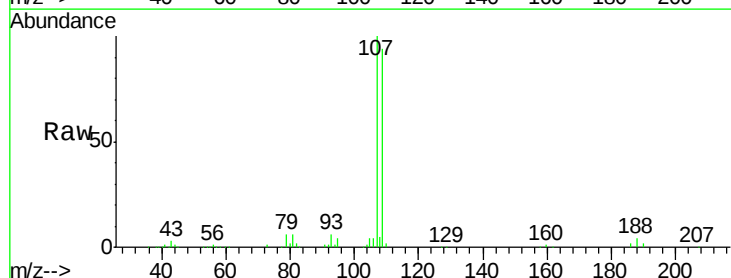
Acq: 11 Sep 2019 12:28

Tgt Ion:107 Resp: 139683

Ion Ratio Lower Upper

107 100

109 94.1 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.57

80000

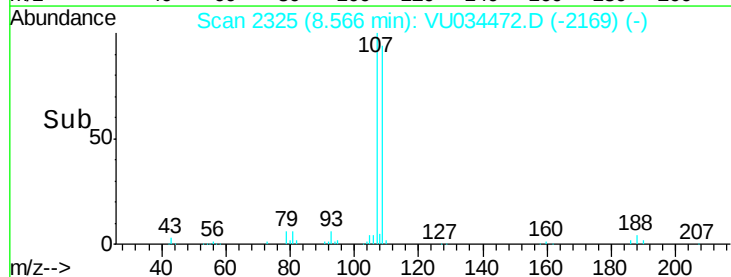
60000

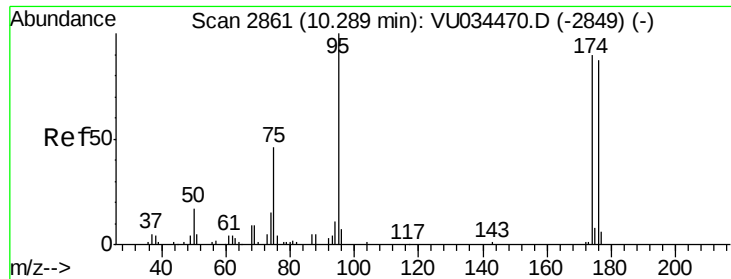
40000

20000

0

Time-->





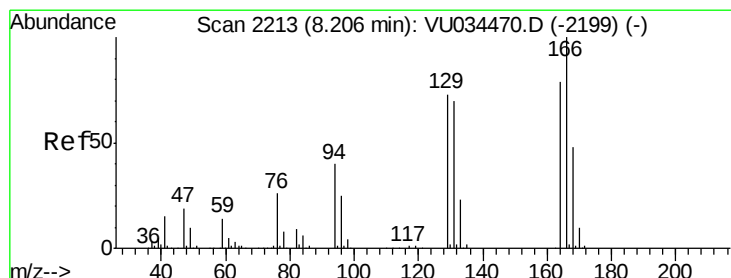
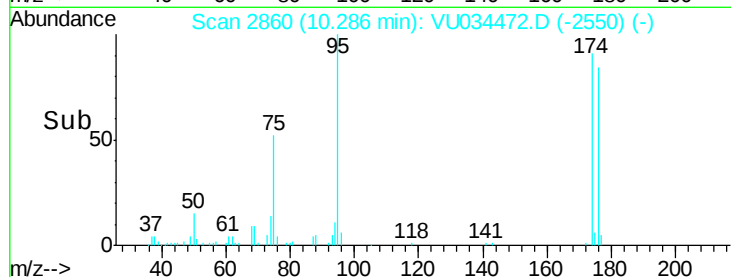
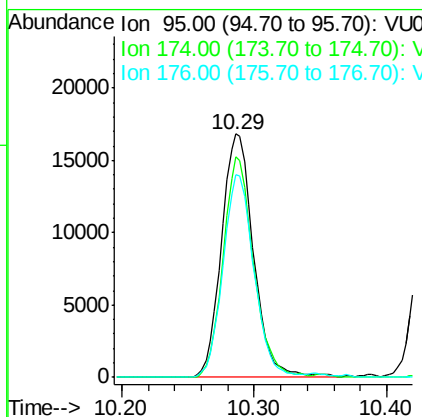
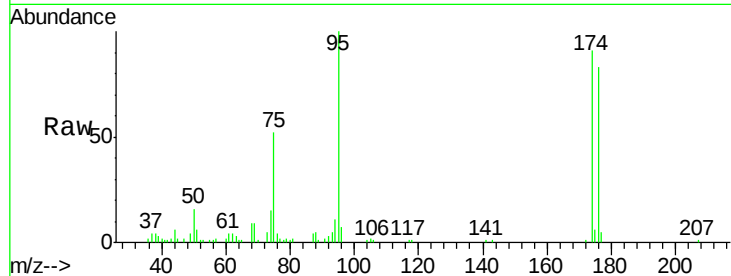
#57
4-Bromofluorobenzene
Concen: 1.049 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091119

Tot Ion	Ratio	Lower	Upper
95	100		
174	85.9	70.1	105.1
176	80.5	67.7	101.5

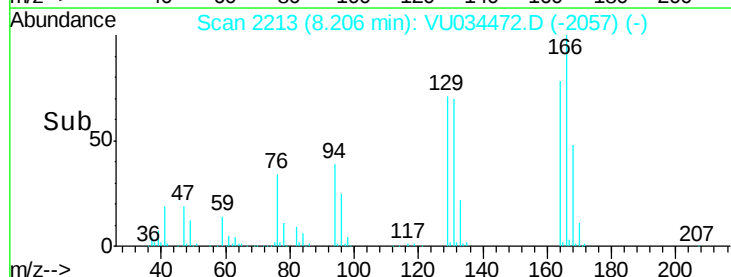
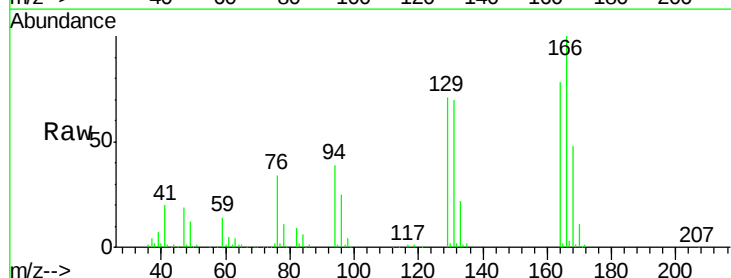
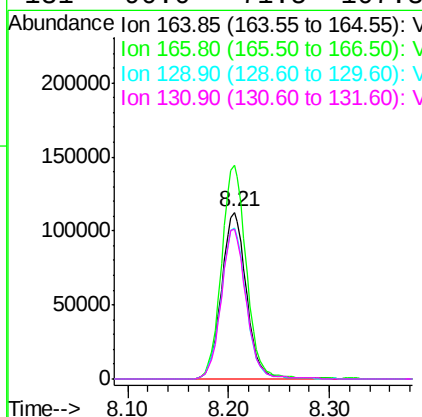
Manual Integrations
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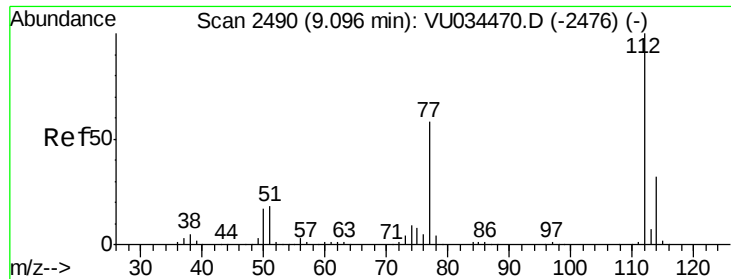
MMDadoda
9/12/2019 4:53:40 PM



#58
Tetrachloroethene
Concen: 8.753 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.5	152.3
129	90.7	73.8	110.8
131	90.0	71.5	107.3





#59

Chlorobenzene

Concen: 9.949 ug/l

RT: 9.10 min Scan# 2490

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion:112 Resp: 539537

Ion Ratio Lower Upper

112 100

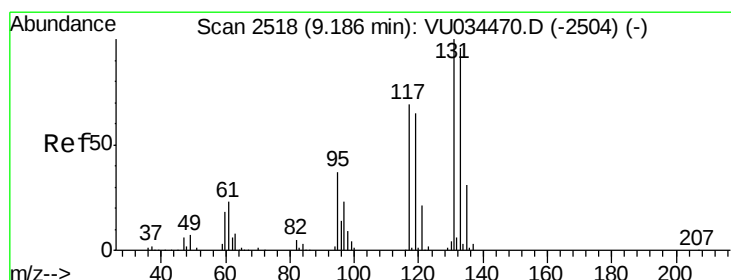
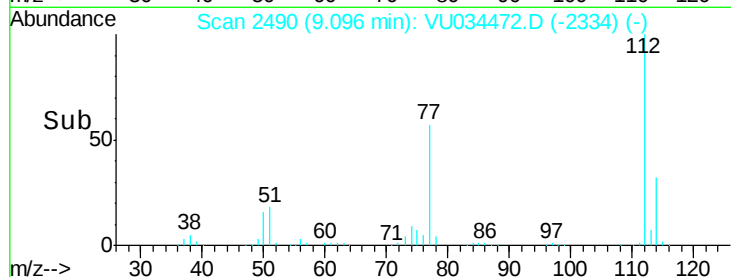
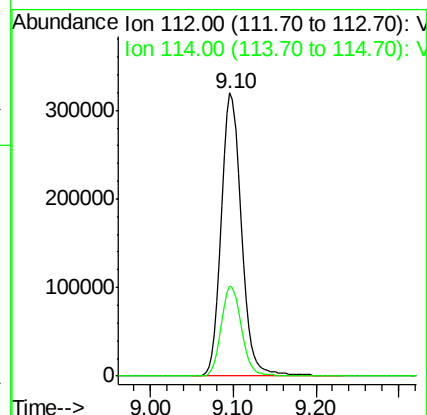
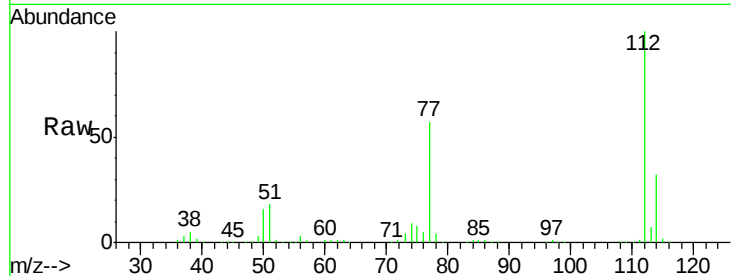
114 32.0 25.6 38.4

Manual Integrations

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9/12/2019 4:53:40 PM



#60

1,1,1,2-Tetrachloroethane

Concen: 10.239 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

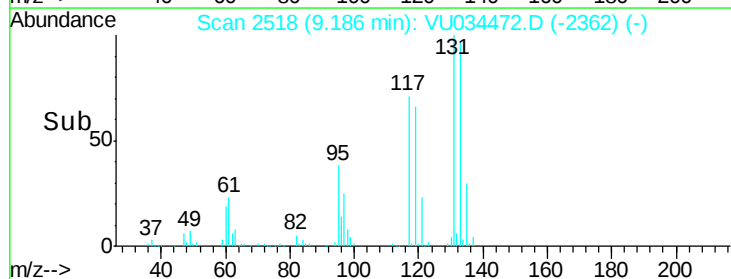
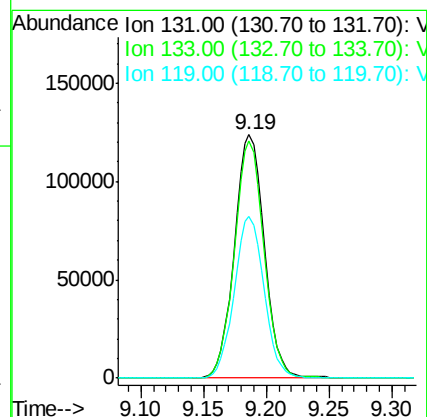
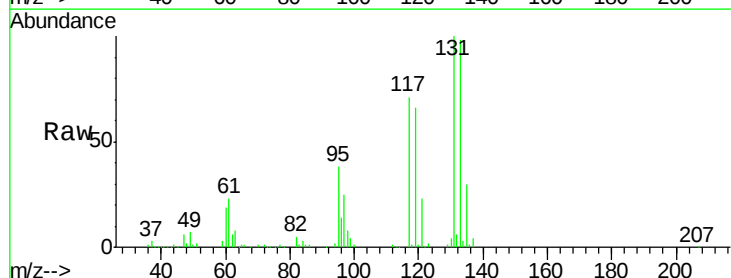
Tgt Ion:131 Resp: 205644

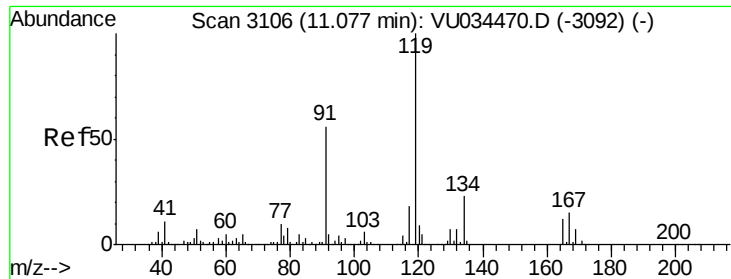
Ion Ratio Lower Upper

131 100

133 96.4 76.8 115.2

119 66.0 52.4 78.6





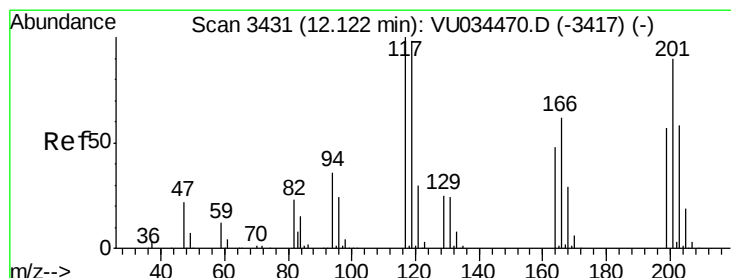
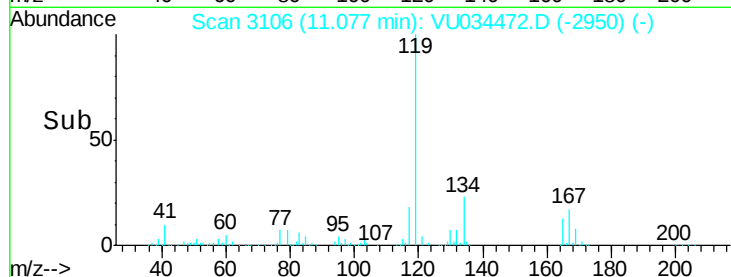
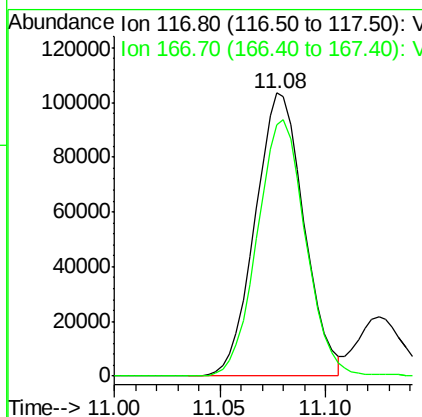
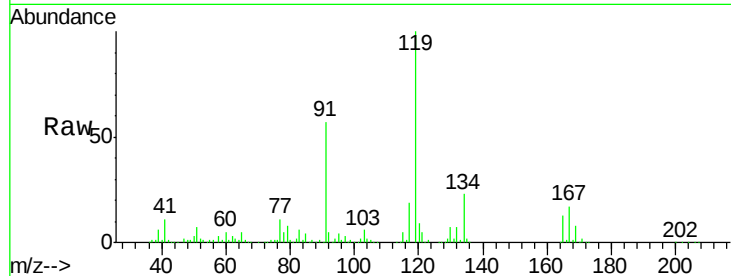
#61
 Pentachloroethane
 Concen: 10.258 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091119

Tot Ion:117 Resp: 166763
 Ion Ratio Lower Upper
 117 100
 167 90.0 70.7 106.1

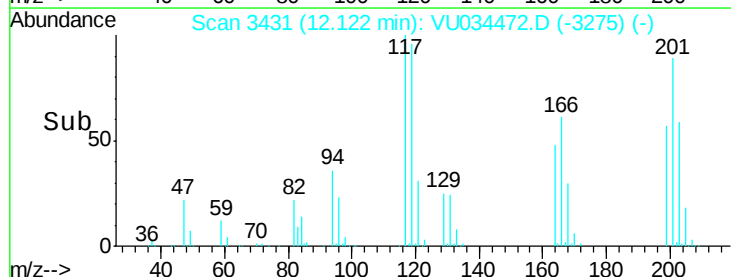
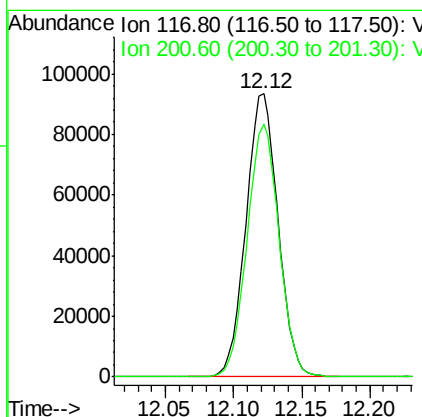
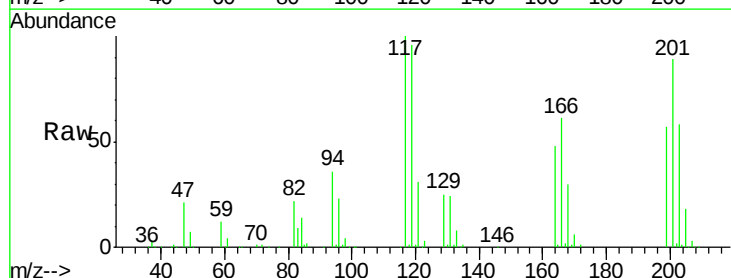
Manual Integrations
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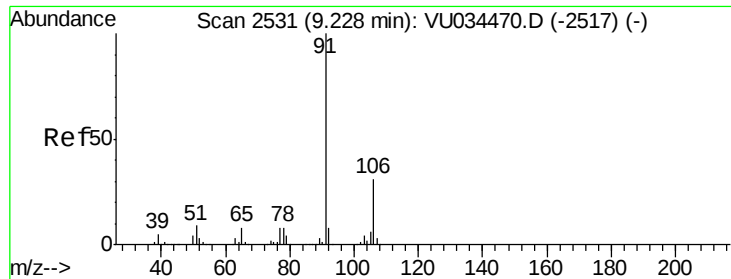
MMDadoda
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#62
 Hexachloroethane
 Concen: 10.591 ug/l
 RT: 12.12 min Scan# 3431
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Tgt Ion:117 Resp: 152890
 Ion Ratio Lower Upper
 117 100
 201 88.7 71.8 107.8





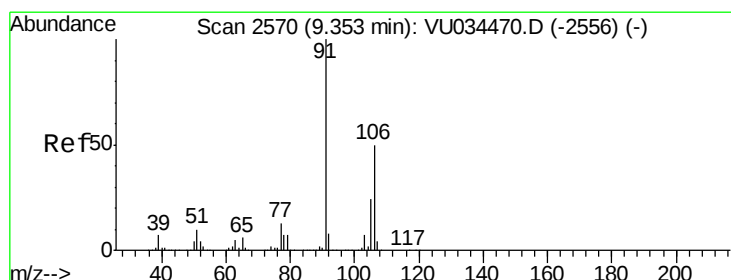
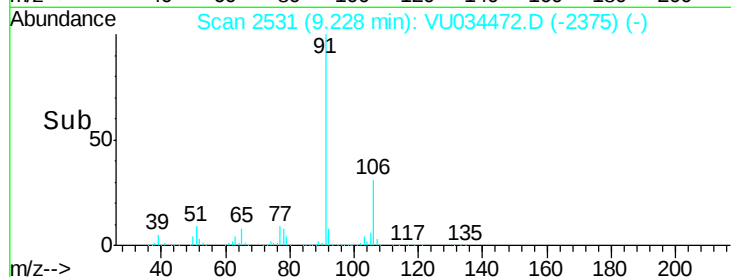
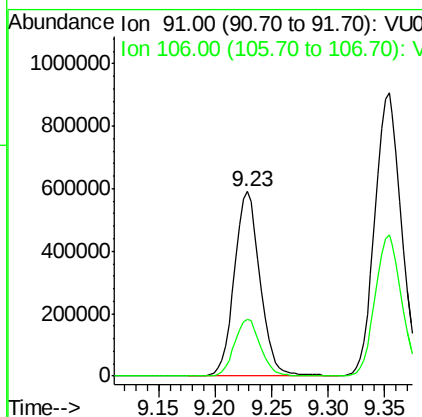
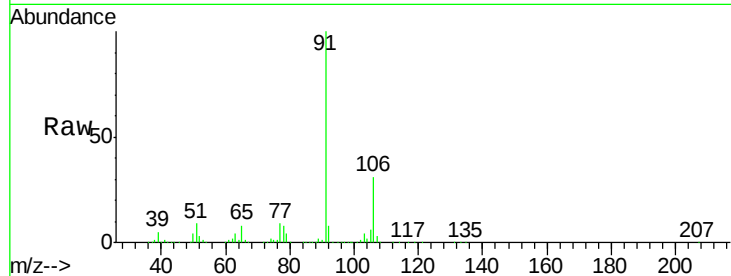
#63
Ethyl Benzene
Concen: 10.813 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Instrument :
MSVOA_U
ClientSampled :
ICVVU091119

Tot Ion: 91 Resp: 940380
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8

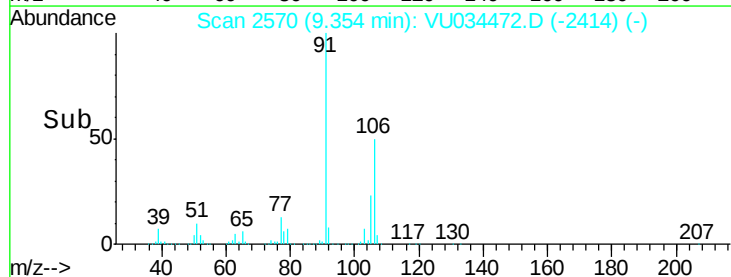
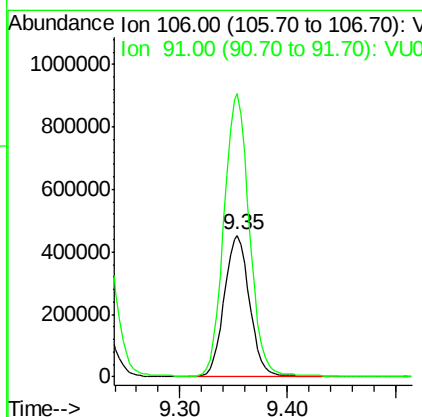
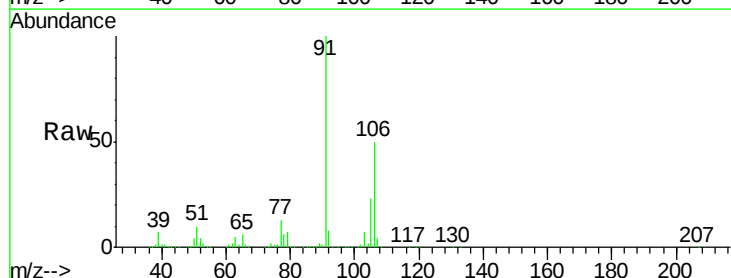
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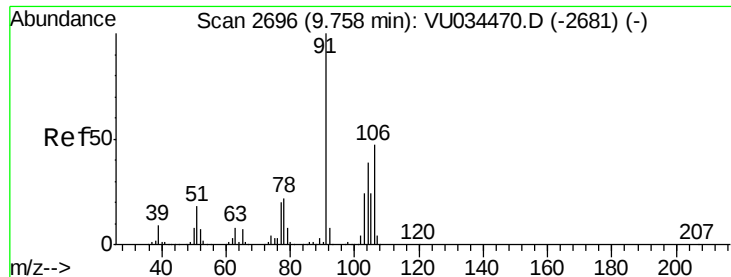
MMDadoda
9/12/2019 4:53:40 PM



#64
m/p-Xylenes
Concen: 21.066 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion: 106 Resp: 742010
Ion Ratio Lower Upper
106 100
91 199.6 161.8 242.6





#65

o-Xylene

Concen: 10.619 ug/l

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion:106 Resp: 356317

Ion Ratio Lower Upper

106 100

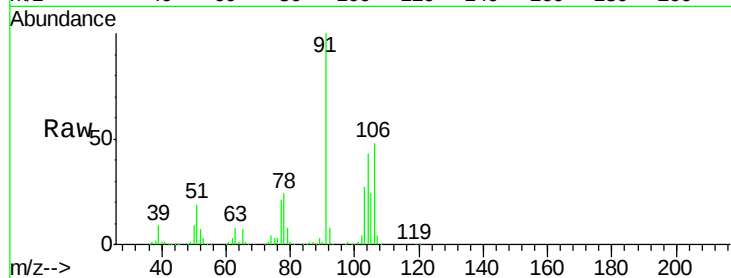
91 209.4 104.7 313.9

Manual Integrations

APPROVED

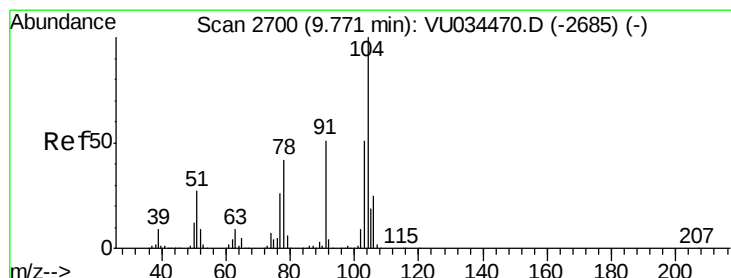
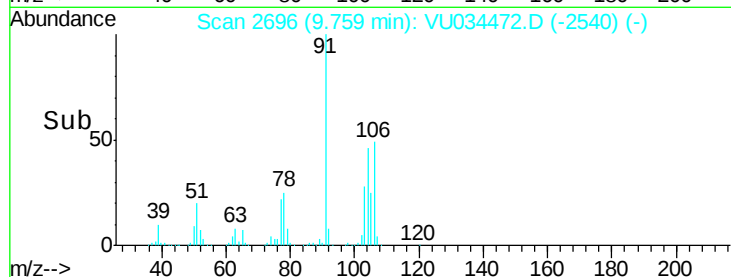
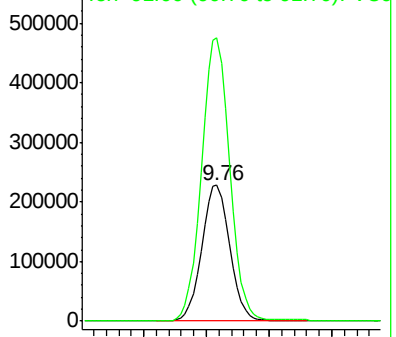
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9/12/2019 4:53:40 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 11.483 ug/l

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

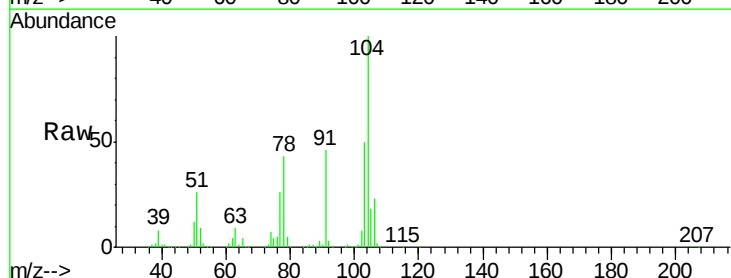
Tgt Ion:104 Resp: 645036

Ion Ratio Lower Upper

104 100

78 47.1 37.8 56.6

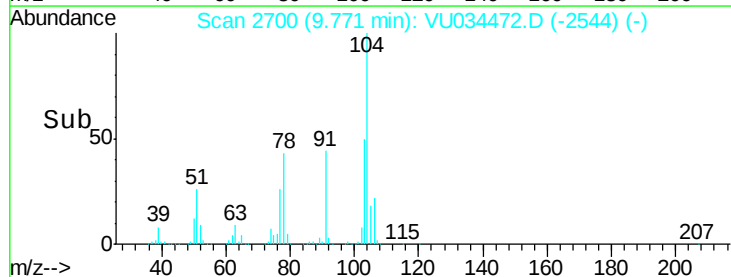
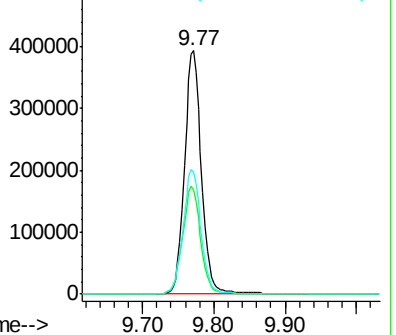
103 54.1 43.8 65.8

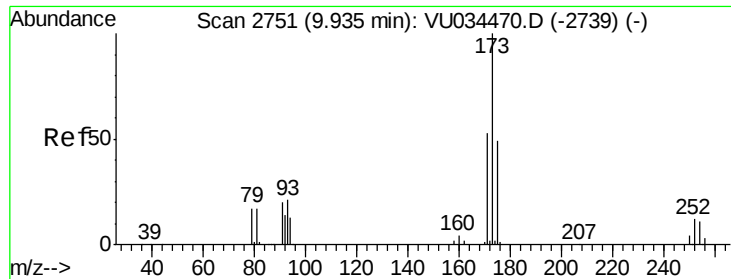


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





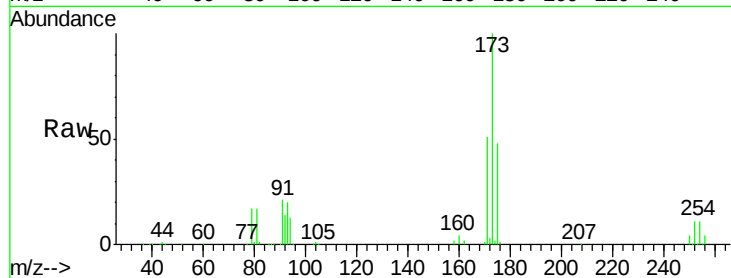
#67
Bromoform
Concen: 11.420 ug/l
RT: 9.94 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091119

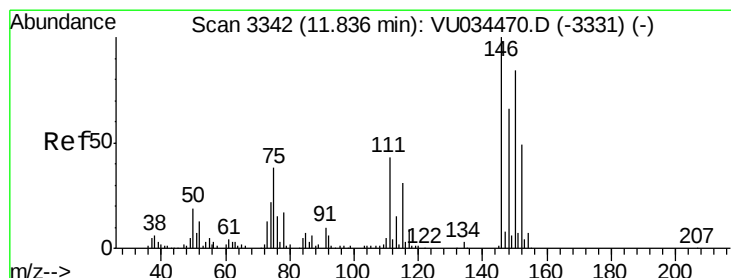
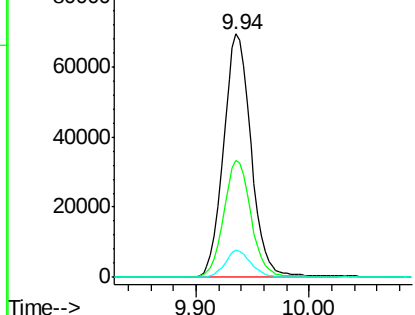
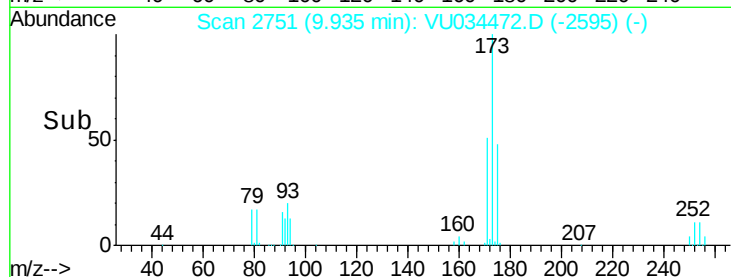
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.1	58.7
254	10.5	8.6	13.0

Manual Integrations
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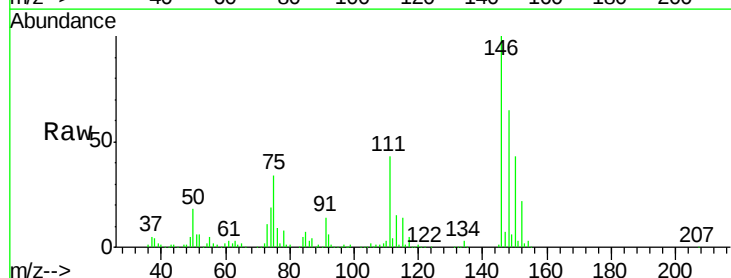


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

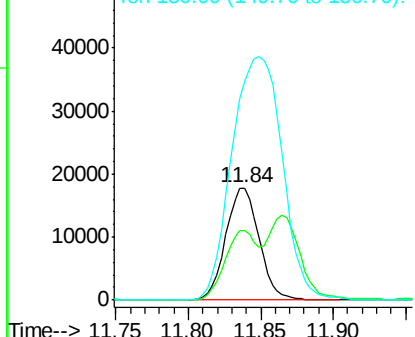
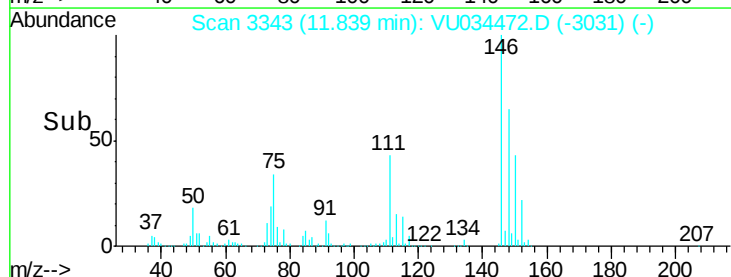


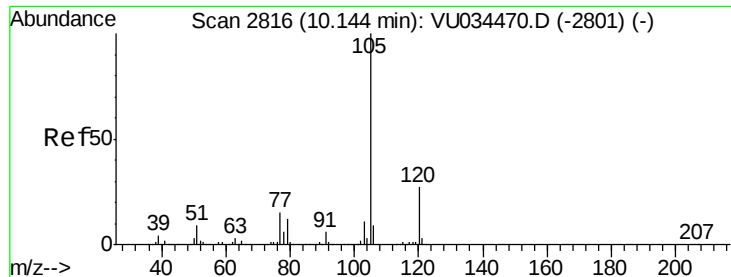
#68
1,2-Dichlorobenzene-d4
Concen: 0.979 ug/l
RT: 11.84 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	0.0	126.6
150	329.9	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: 11.411 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion: 105 Resp: 998200

Ion Ratio Lower Upper

105 100

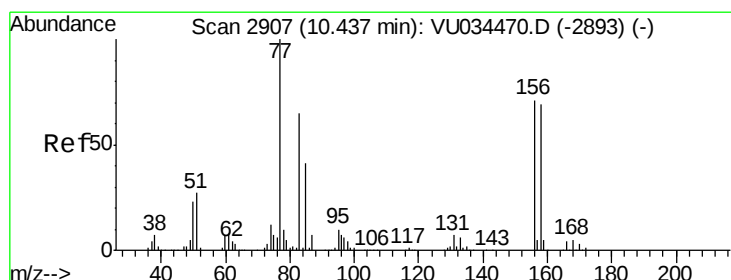
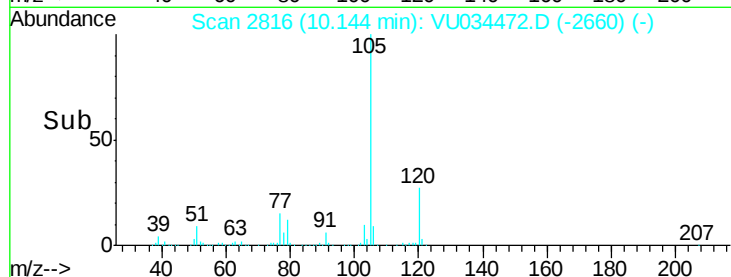
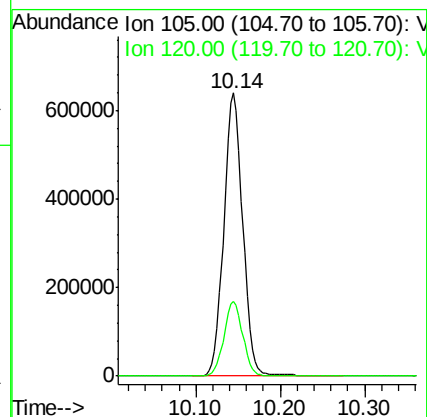
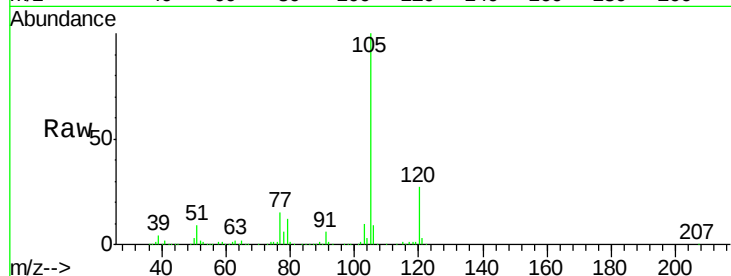
120 26.5 13.4 40.2

Manual Integrations

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9/12/2019 4:53:40 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 11.144 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

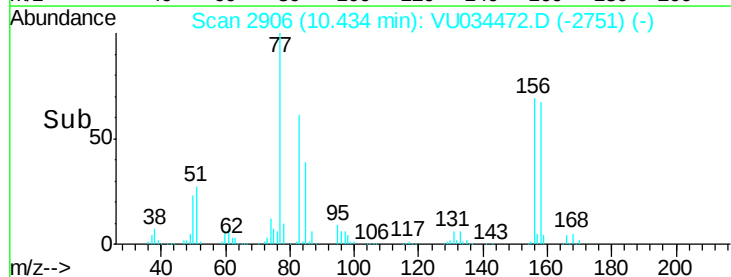
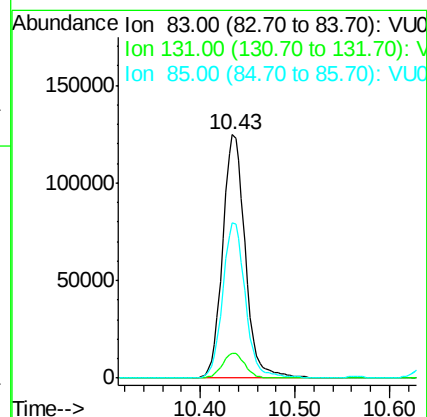
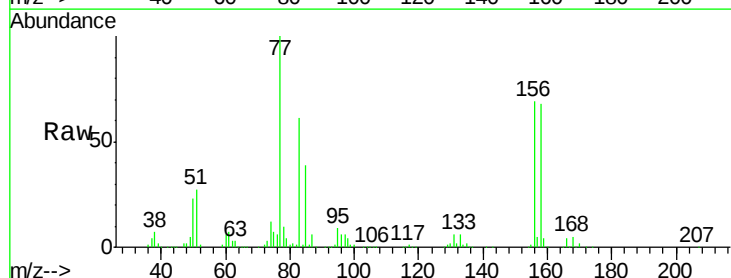
Tgt Ion: 83 Resp: 206603

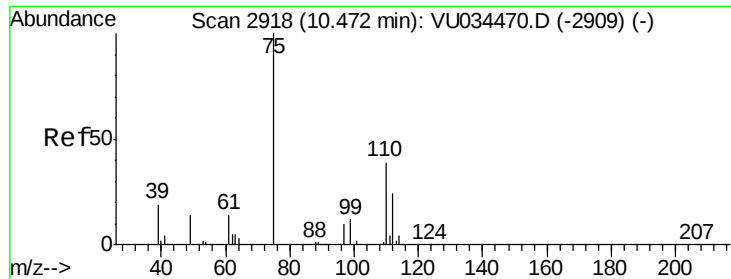
Ion Ratio Lower Upper

83 100

131 10.1 8.2 12.4

85 64.3 51.9 77.9





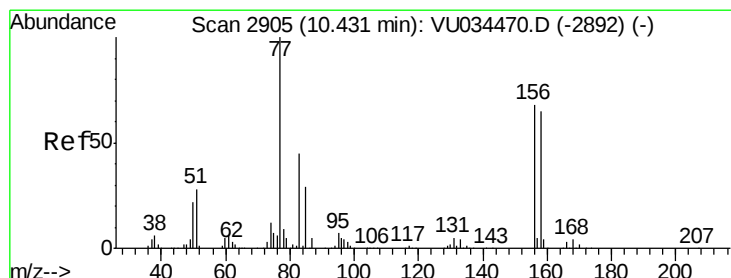
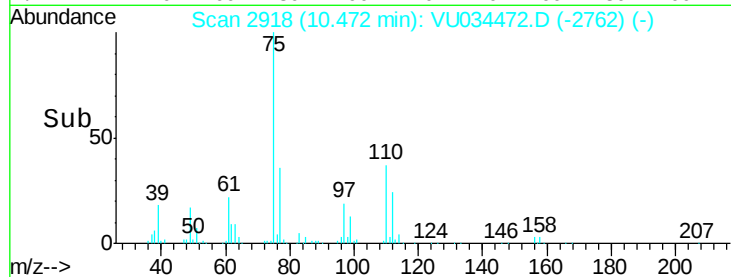
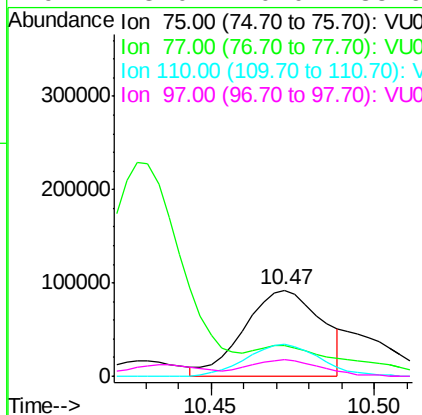
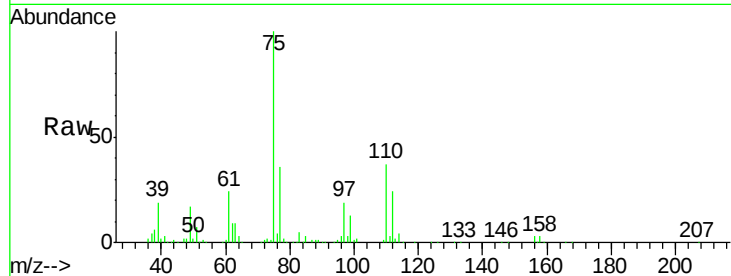
#71
1,2,3-Trichloropropane
Concen: 11.512 ug/l m
RT: 10.47 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	100		151877		
77	41.2	0.0	0.0#		
110	35.9	0.0	66.8		
97	18.0	0.0	35.6		

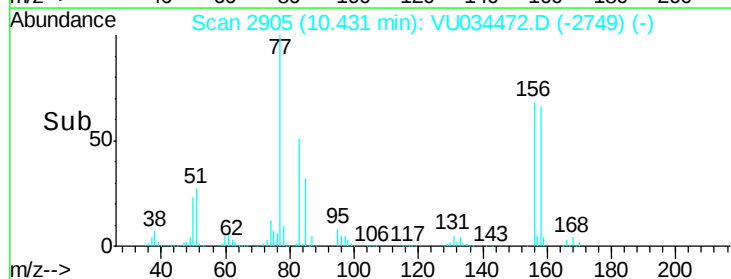
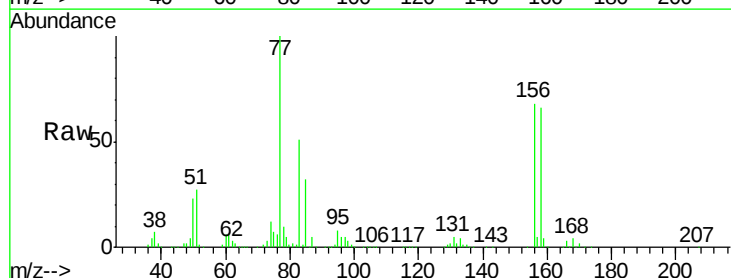
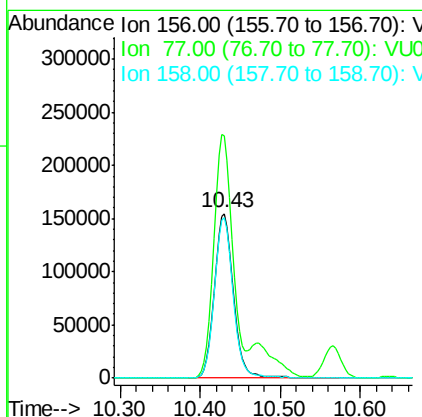
Manual Integrations
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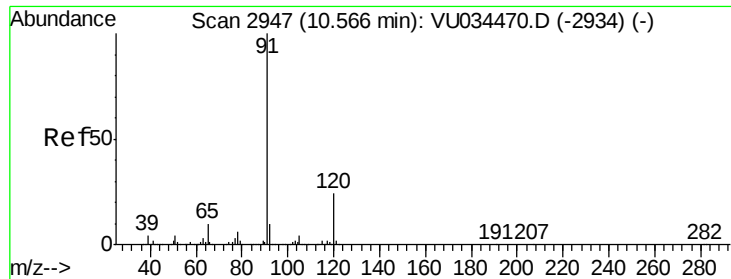
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#72
Bromobenzene
Concen: 10.808 ug/l
RT: 10.43 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	100		256338		
77	147.3	0.0	293.6		
158	96.3	0.0	192.6		





#73

n-propylbenzene

Concen: 11.094 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion:120 Resp: 281117

Ion Ratio Lower Upper

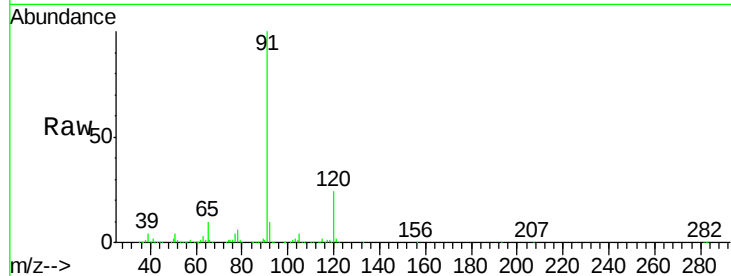
120 100

91 420.7 339.1 508.7

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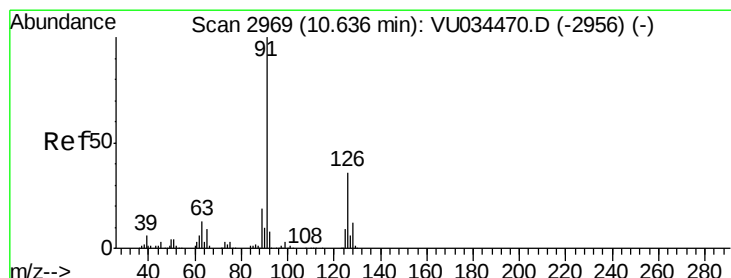
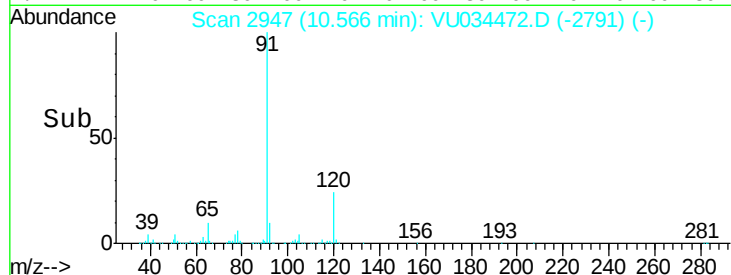
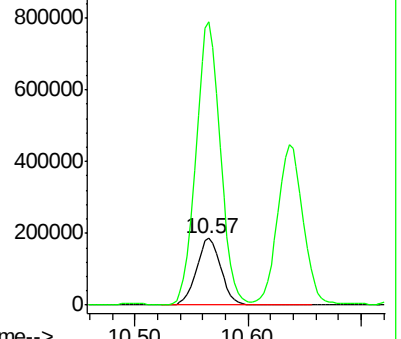
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.676 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. 0.00 min

Lab File: VU034472.D

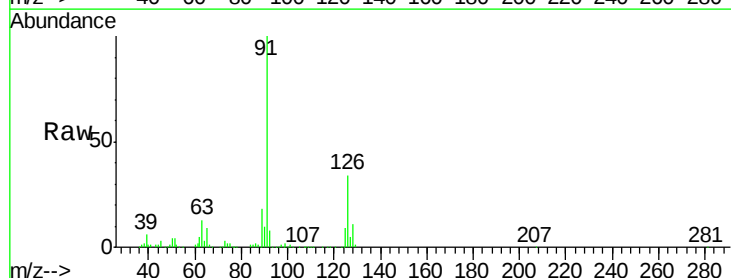
Acq: 11 Sep 2019 12:28

Tgt Ion:126 Resp: 243396

Ion Ratio Lower Upper

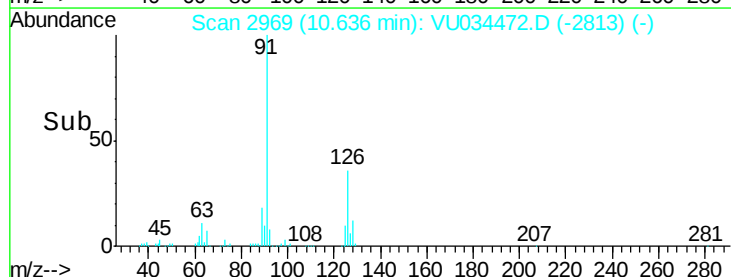
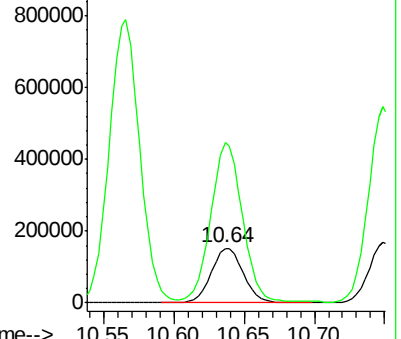
126 100

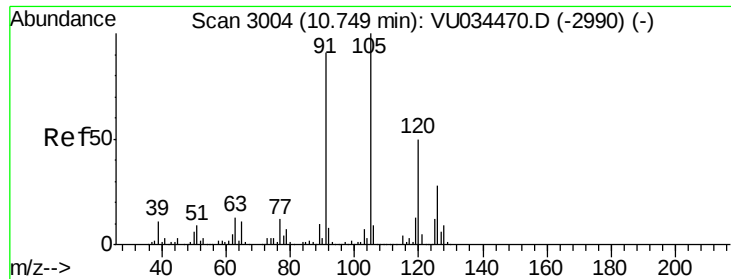
91 290.7 0.0 582.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 11.461 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion:105 Resp: 900057

Ion Ratio Lower Upper

105 100

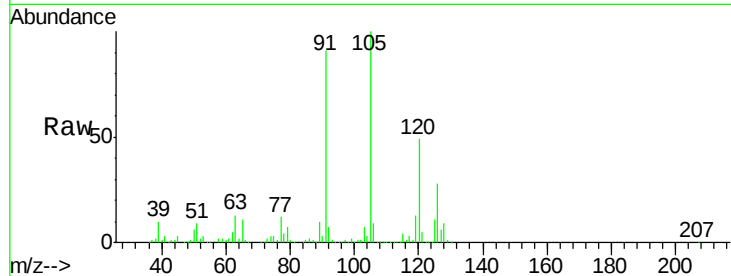
120 49.5 39.8 59.8

Manual Integrations

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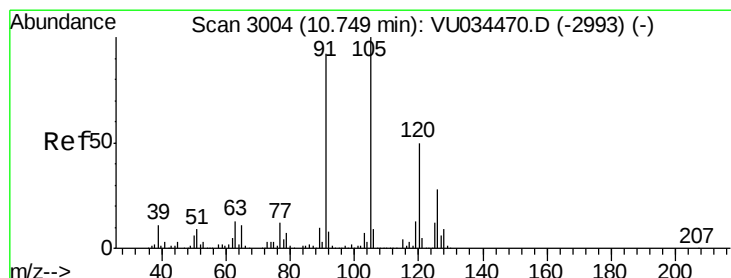
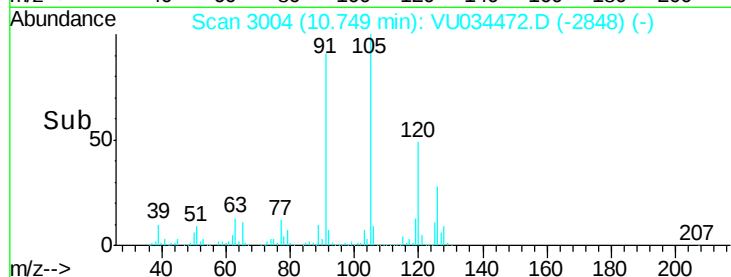
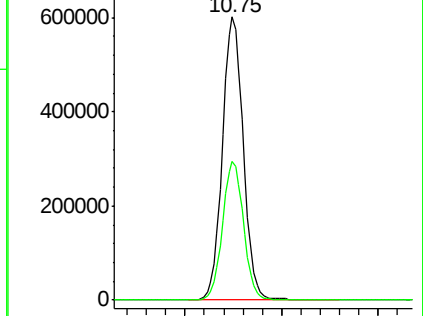
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9/12/2019 4:53:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 11.166 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VU034472.D

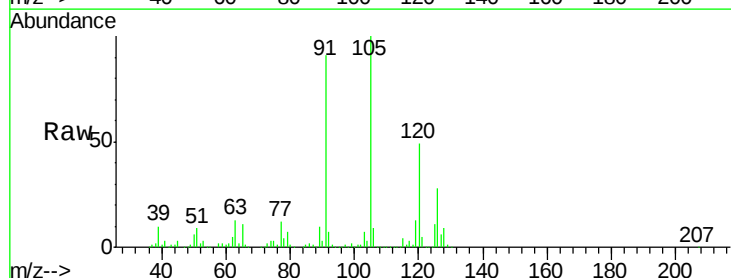
Acq: 11 Sep 2019 12:28

Tgt Ion:126 Resp: 257764

Ion Ratio Lower Upper

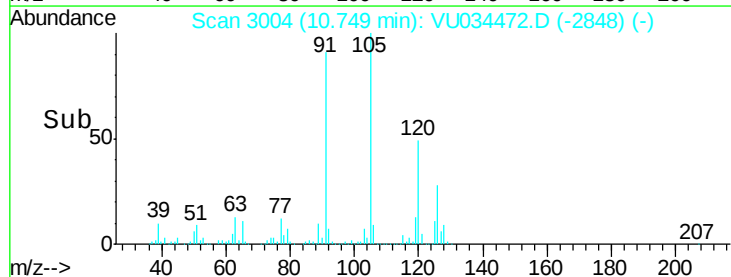
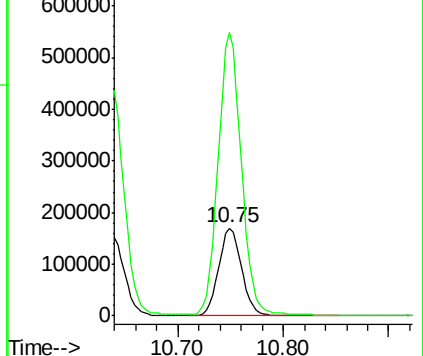
126 100

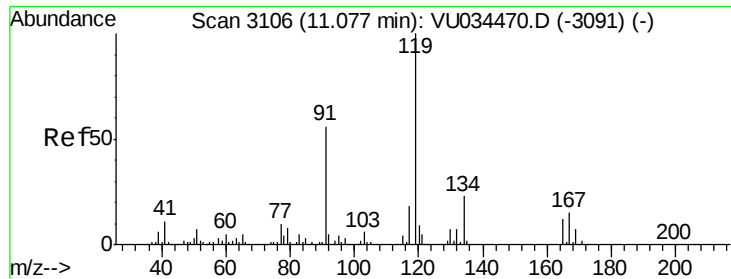
91 324.4 0.0 667.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 11.060 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

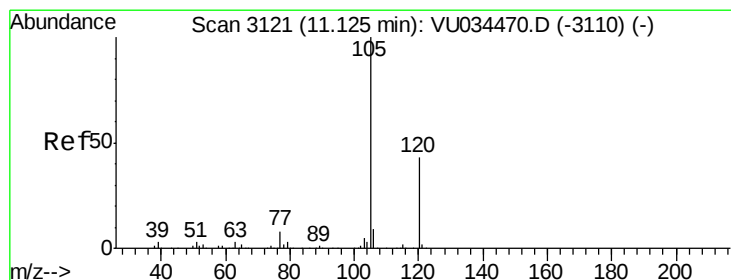
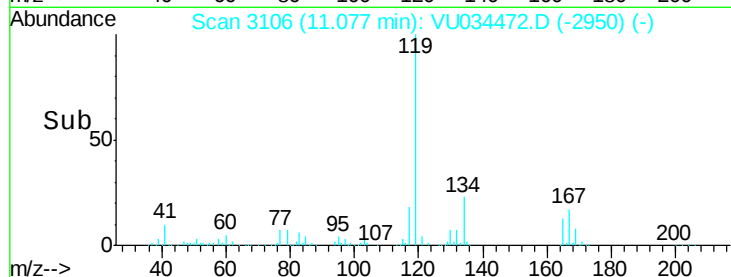
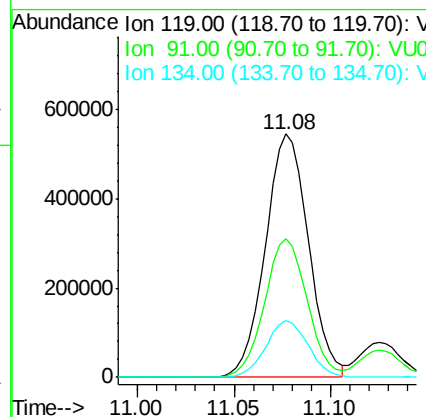
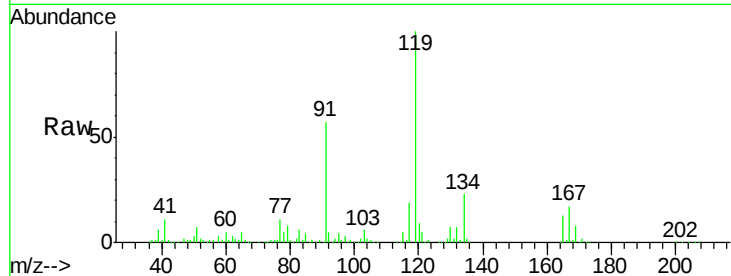
ClientSampleId :

ICVVU091119

Tot Ion:	119	Resp:	842164
Ion Ratio	Lower	Upper	
119	100		
91	56.4	27.8	83.3
134	23.1	18.4	27.6

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 11.609 ug/l

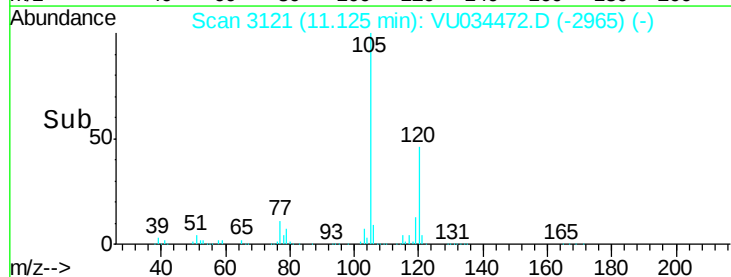
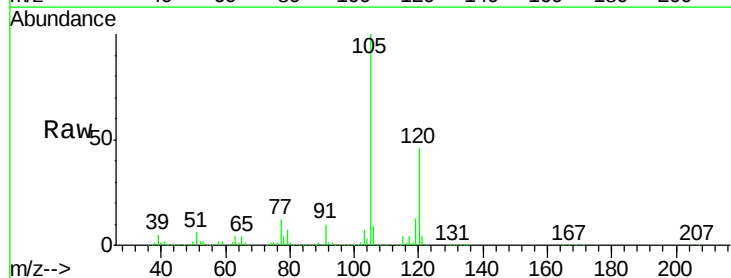
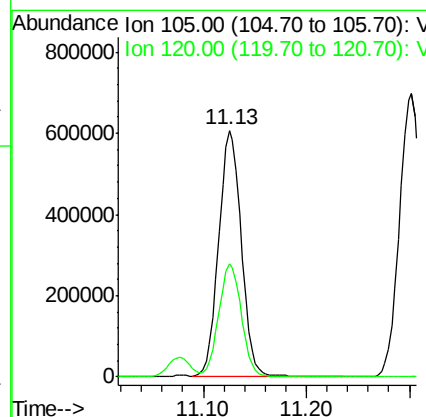
RT: 11.13 min Scan# 3121

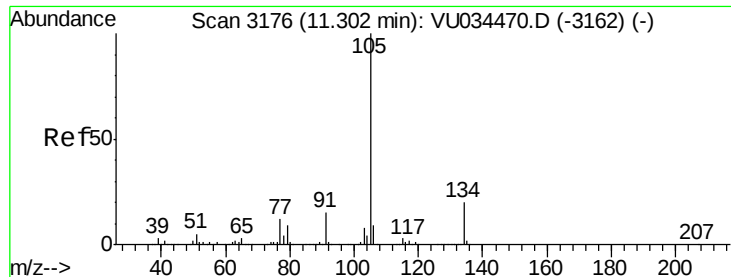
Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Tgt Ion:	105	Resp:	920730
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.1	69.2





#79

sec-Butylbenzene

Concen: 10.397 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion:105 Resp: 1065102

Ion Ratio Lower Upper

105 100

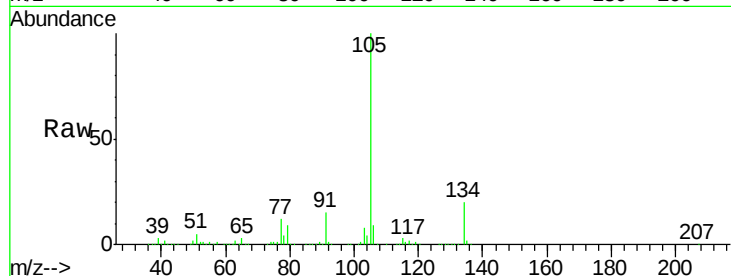
134 20.1 16.3 24.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

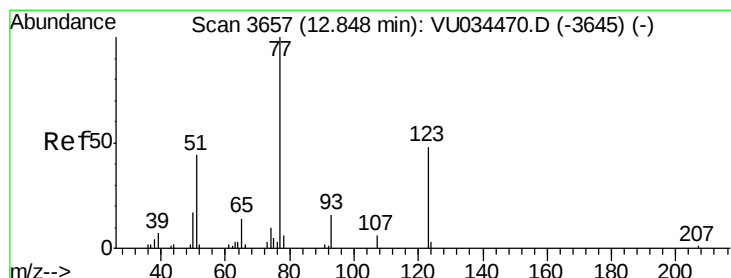
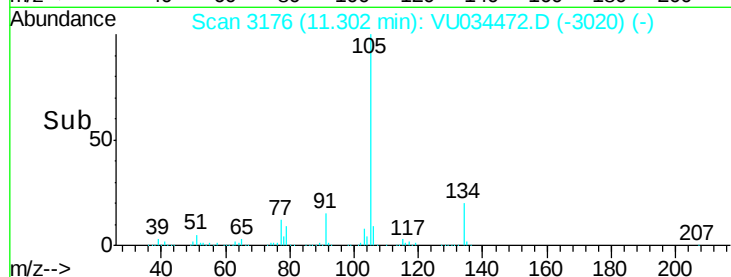
600000

400000

200000

0

Time--> 11.20 11.30 11.40



#80

Nitrobenzene

Concen: 16.776 ug/l m

RT: 12.86 min Scan# 3660

Delta R.T. 0.01 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

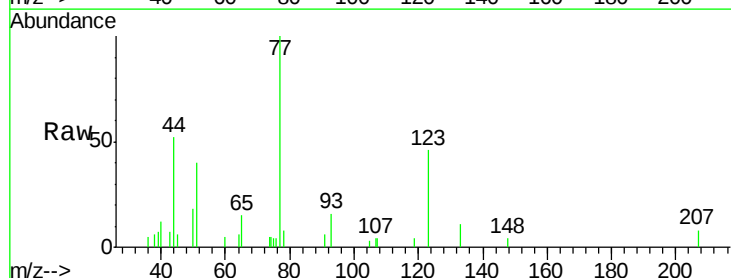
Tgt Ion: 77 Resp: 6639

Ion Ratio Lower Upper

77 100

123 34.1 19.0 67.4

65 11.9 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

4000

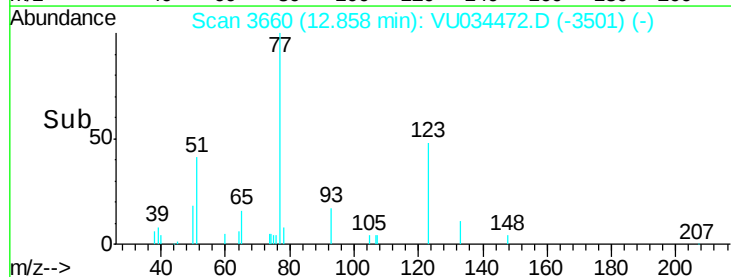
3000

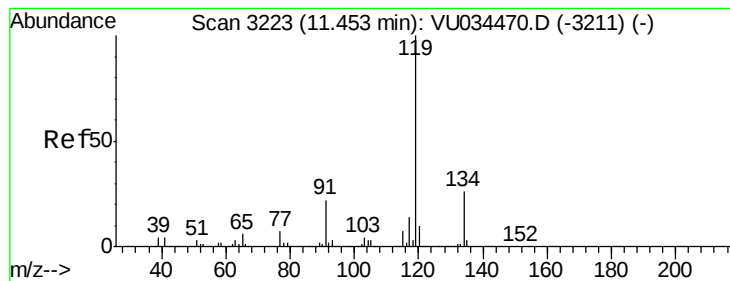
2000

1000

0

Time--> 12.80 12.85 12.90





#81

p-Isopropyltoluene

Concen: 11.812 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091119

Tot Ion:119 Resp: 1009625

Ion Ratio Lower Upper

119 100

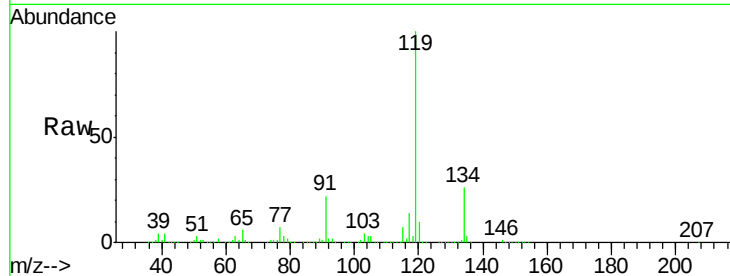
134 26.5 21.2 31.8

91 22.0 17.6 26.4

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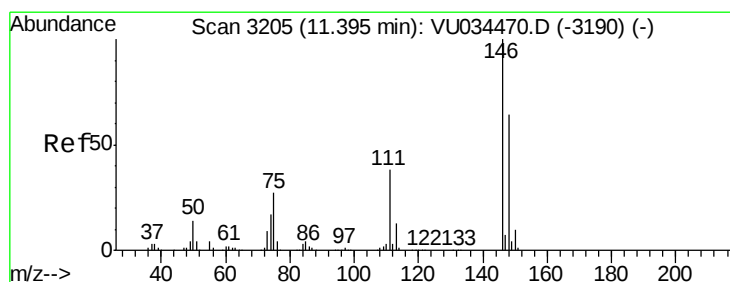
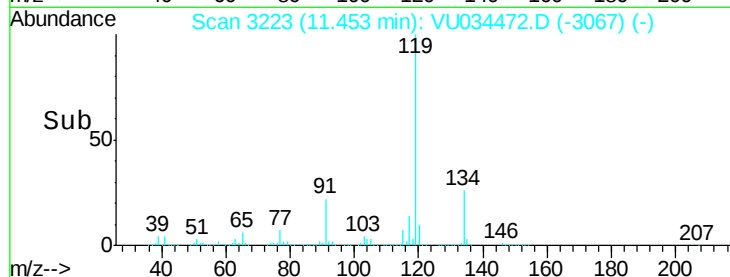
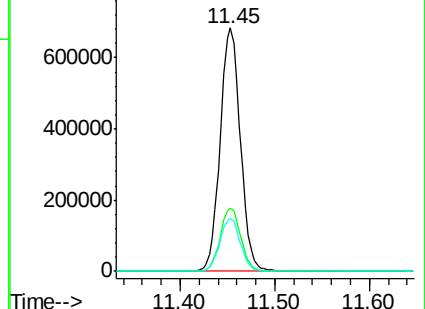
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 10.454 ug/l

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

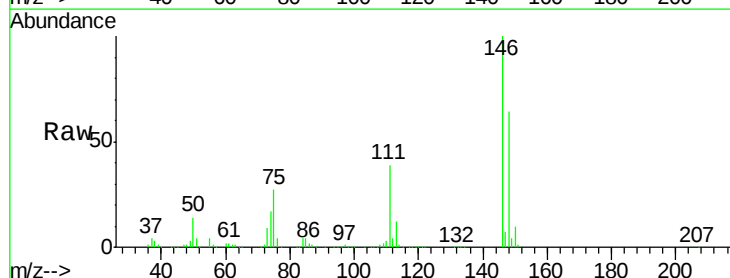
Tgt Ion:146 Resp: 514600

Ion Ratio Lower Upper

146 100

111 38.8 31.0 46.6

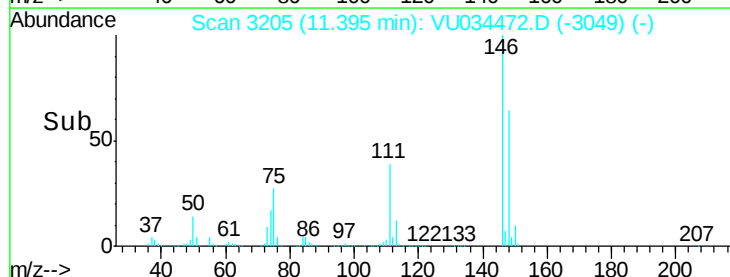
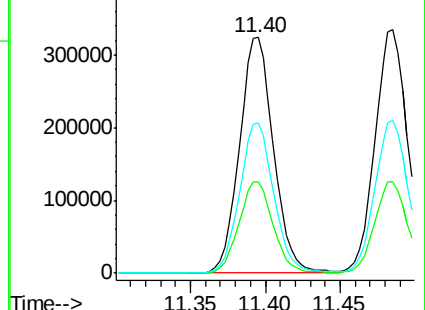
148 63.7 51.5 77.3

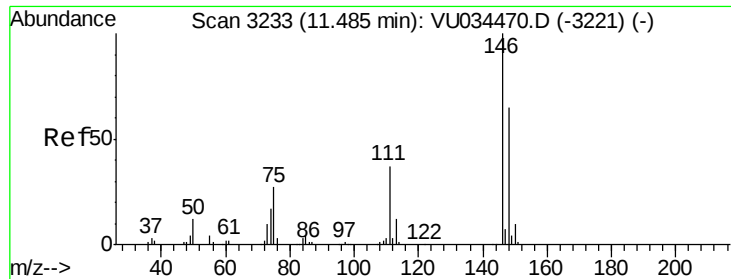


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





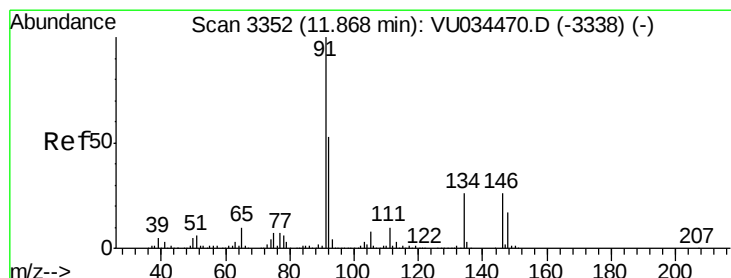
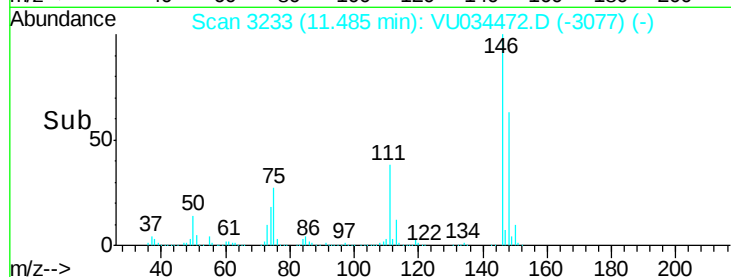
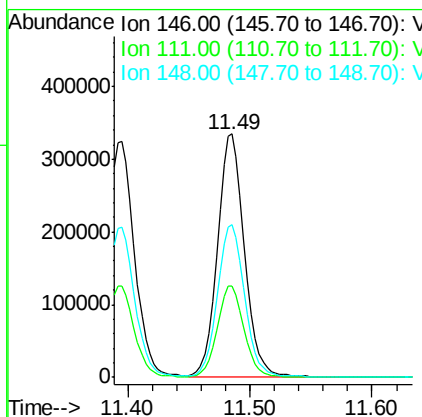
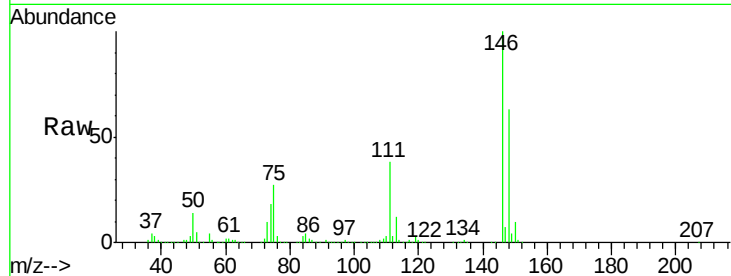
#83
 1,4-Dichlorobenzene
 Concen: 10.595 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091119

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	29.5	44.3
148	63.7	51.0	76.4

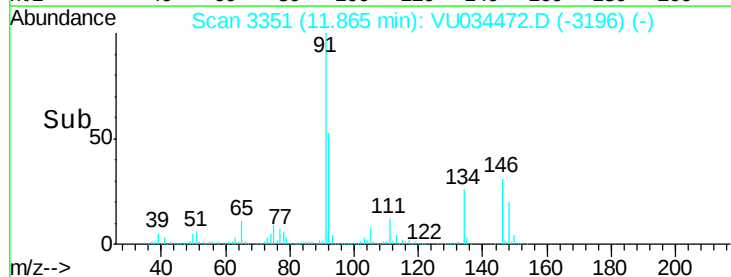
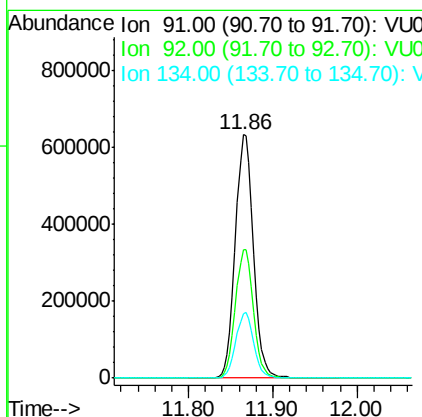
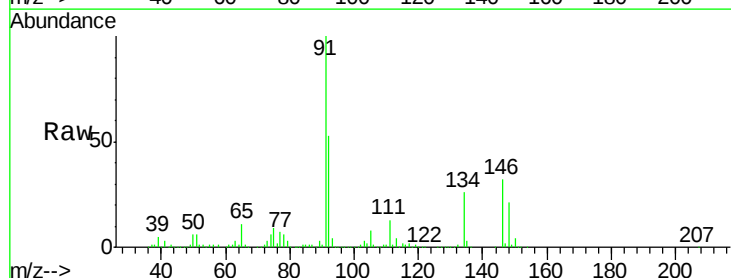
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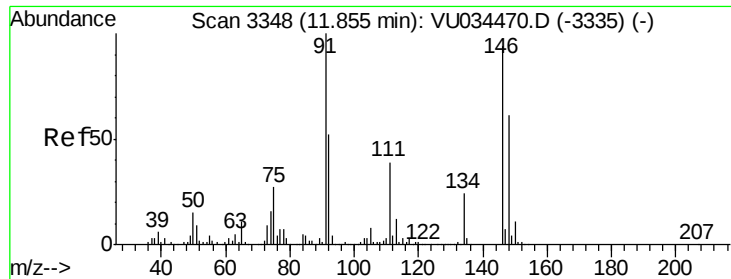
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#84
 n-Butylbenzene
 Concen: 12.089 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	42.4	63.6
134	26.6	21.0	31.4





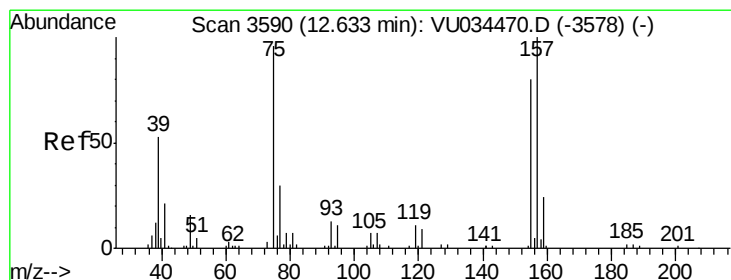
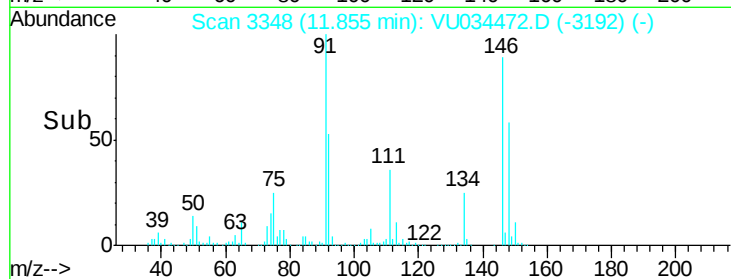
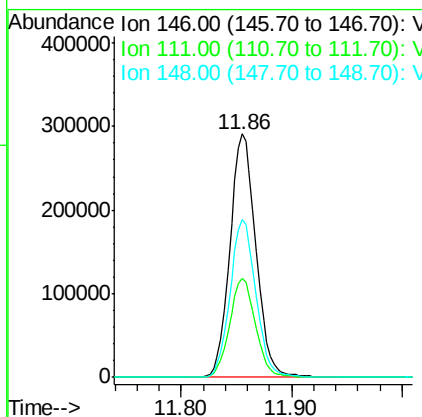
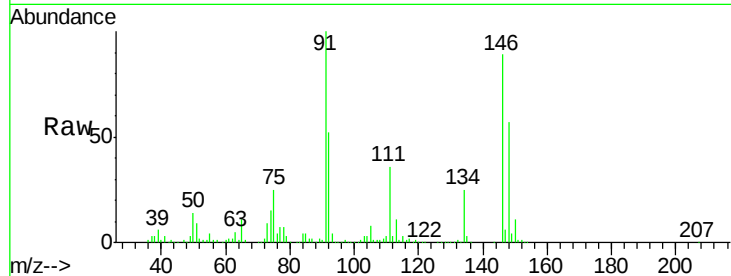
#85
 1,2-Dichlorobenzene
 Concen: 10.625 ug/l
 RT: 11.86 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091119

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	64.4	32.2	96.6

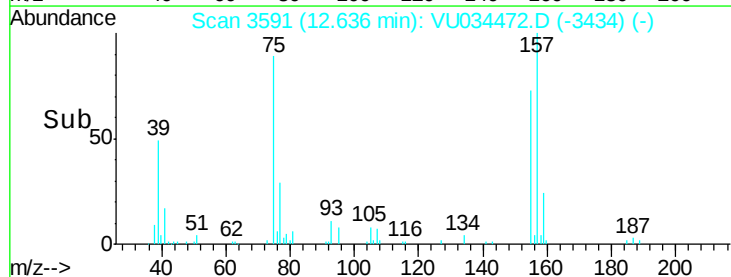
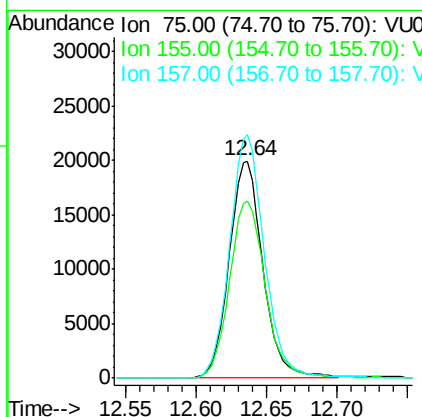
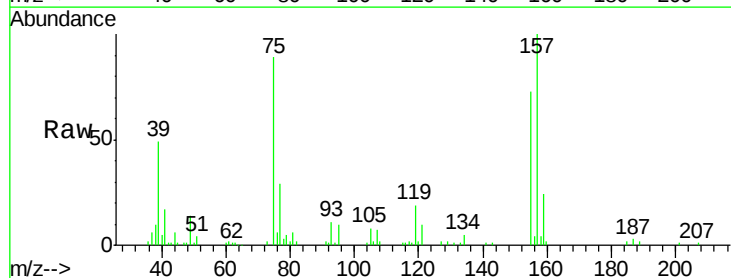
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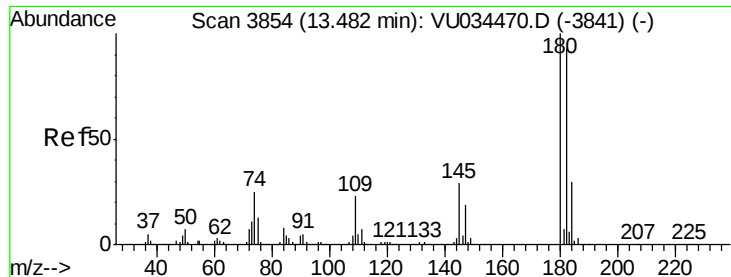
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 13.517 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034472.D
 Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	68.9	103.3
157	114.8	89.9	134.9





#87

1,2,4-Trichlorobenzene

Concen: 14.399 ug/l

RT: 13.48 min Scan# 3854

Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Instrument :

MSVOA_U

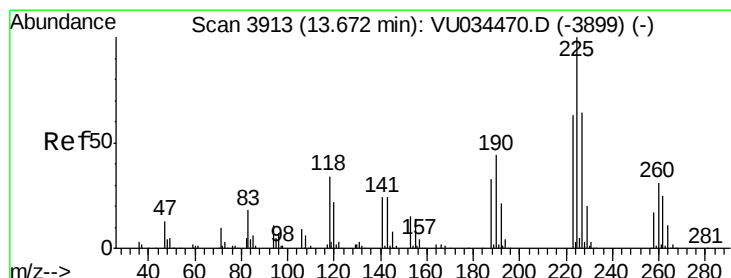
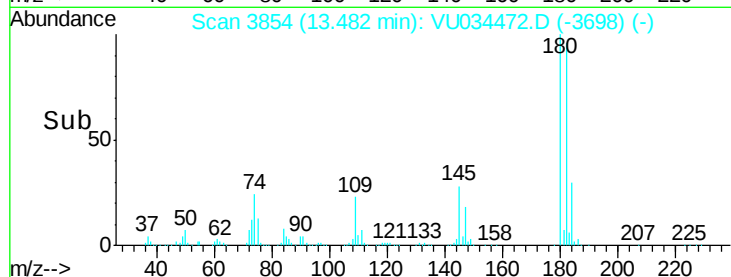
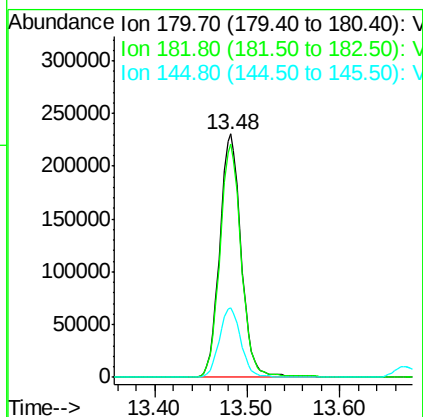
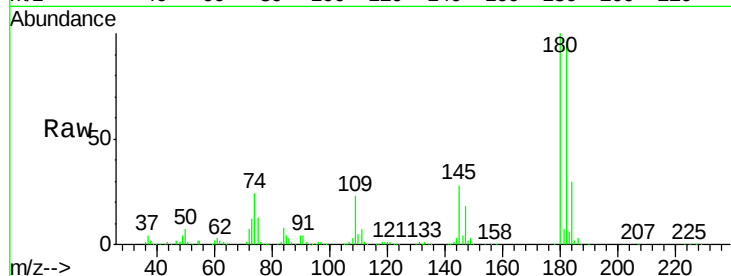
ClientSampleId :

ICVVU091119

Tot Ion:	180	Resp:	370739
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.6	114.8
145	29.1	23.0	34.6

Manual Integrations
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#88

Hexachlorobutadiene

Concen: 10.859 ug/l

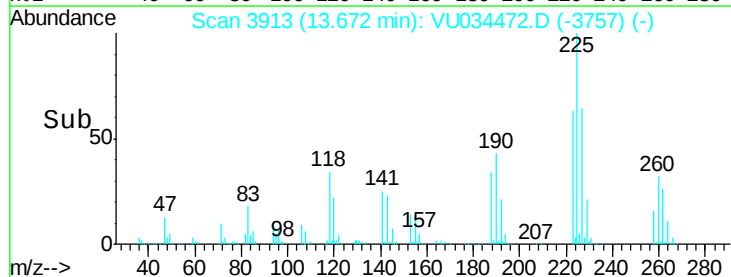
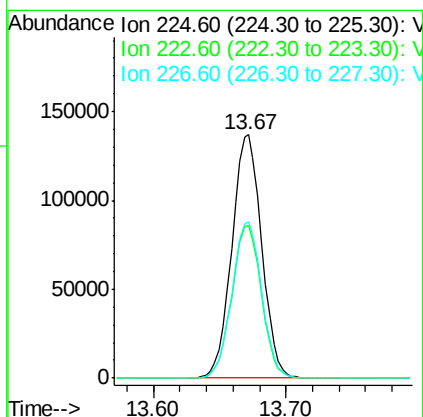
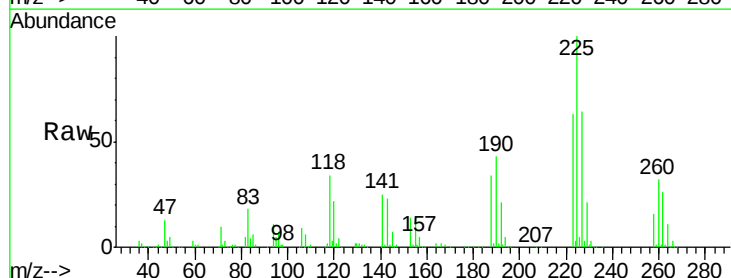
RT: 13.67 min Scan# 3913

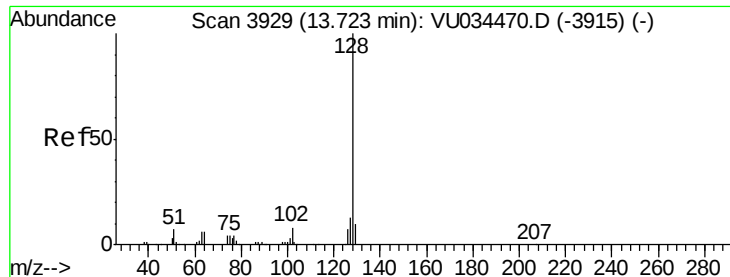
Delta R.T. 0.00 min

Lab File: VU034472.D

Acq: 11 Sep 2019 12:28

Tgt Ion:	225	Resp:	213054
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.3	75.5
227	64.2	51.1	76.7





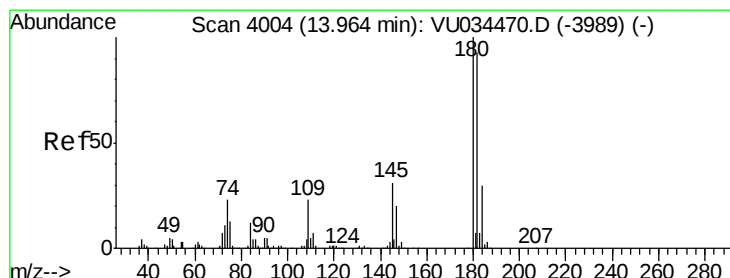
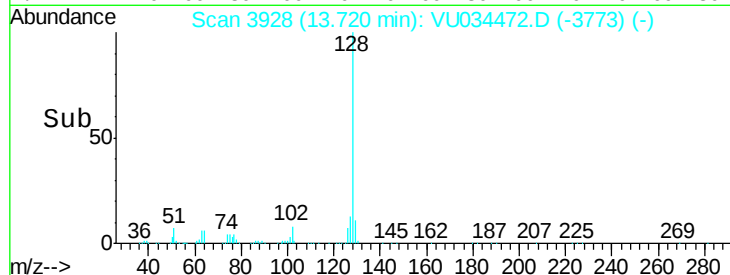
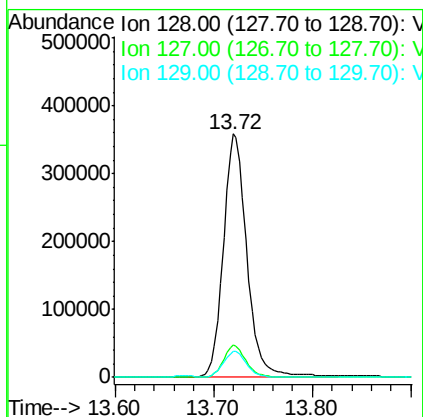
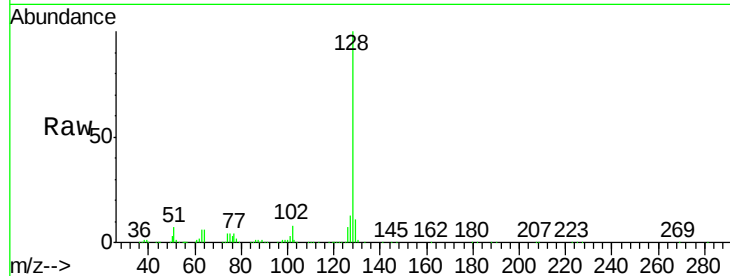
#89
Naphthalene
Concen: 13.106 ug/l
RT: 13.72 min Scan# 3928
Delta R.T. -0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091119

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.0	12.0

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 14.106 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034472.D
Acq: 11 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.4	113.2
145	30.7	24.5	36.7

