

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090419\
 Data File : VU034241.D
 Acq On : 03 Sep 2019 20:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 2:08:11 PM

Quant Time: Sep 04 07:04:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	383937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	614612	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	589148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	329474	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	231357	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.06%	
35) Dibromofluoromethane	4.86	113	202090	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.82%	
50) Toluene-d8	7.55	98	773547	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.29	95	298746	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	172426	44.655	ug/l	100
3) Chloromethane	1.32	50	218876	42.114	ug/l	100
4) Vinyl Chloride	1.40	62	231088	44.966	ug/l	100
5) Bromomethane	1.61	94	127408	51.701	ug/l	99
6) Chloroethane	1.69	64	140100	44.591	ug/l	99
7) Trichlorofluoromethane	1.88	101	284180	47.723	ug/l	98
8) Diethyl Ether	2.09	74	125731	49.356	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	176892	46.891	ug/l	98
10) Methyl Iodide	2.40	142	162867	30.435	ug/l	100
11) Tert butyl alcohol	2.81	59	234491	206.696	ug/l	99
12) 1,1-Dichloroethene	2.27	96	180611	46.990	ug/l	100
13) Acrolein	2.18	56	77701	162.813	ug/l	98
14) Allyl chloride	2.58	41	336537m	46.569	ug/l	
15) Acrylonitrile	2.92	53	648792	249.223	ug/l	100
16) Acetone	2.31	43	515726	205.455	ug/l	98
17) Carbon Disulfide	2.47	76	487623	40.085	ug/l	99
18) Methyl Acetate	2.60	43	309021	47.639	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	645839	51.283	ug/l	100
20) Methylene Chloride	2.69	84	225442	47.441	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	196022	46.992	ug/l	99
22) Diisopropyl ether	3.55	45	682656	51.552	ug/l	98
23) Vinyl Acetate	3.50	43	2852837	250.790	ug/l	100
24) 1,1-Dichloroethane	3.43	63	386891	49.487	ug/l	100
25) 2-Butanone	4.24	43	844361	241.777	ug/l	99
26) 2,2-Dichloropropane	4.20	77	281936	44.319	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	228378	48.777	ug/l	99
28) Bromochloromethane	4.52	49	198142	51.442	ug/l	99
29) Tetrahydrofuran	4.61	42	540166	250.808	ug/l	99
30) Chloroform	4.65	83	376576	48.277	ug/l	97
31) Cyclohexane	4.97	56	320984	43.694	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	314715	49.263	ug/l	99
36) 1,1-Dichloropropene	5.12	75	266766	45.888	ug/l	99
37) Ethyl Acetate	4.36	43	308281	47.355	ug/l	99
38) Carbon Tetrachloride	5.11	117	267474	47.665	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	309446	45.162	ug/l	99
40) Benzene	5.37	78	843607	47.963	ug/l	99
41) Methacrylonitrile	4.52	41	171442	51.350	ug/l	99
42) 1,2-Dichloroethane	5.38	62	286831	47.225	ug/l	98
43) Isopropyl Acetate	5.53	43	480151	48.480	ug/l	100
44) Trichloroethene	6.17	130	231896	50.207	ug/l	98
45) 1,2-Dichloropropane	6.41	63	240793	49.732	ug/l	99
46) Dibromomethane	6.54	93	152005	48.729	ug/l	99
47) Bromodichloromethane	6.74	83	301143	49.344	ug/l	100
48) Methyl methacrylate	6.60	41	231091	48.354	ug/l	97
49) 1,4-Dioxane	6.59	88	81660	681.946	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1634996	239.042	ug/l	99
52) Toluene	7.62	92	536693	49.533	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	325028	47.997	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	356496	48.187	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	228288	49.810	ug/l	99
56) Ethyl methacrylate	8.00	69	334976	44.178	ug/l	99
57) 1,3-Dichloropropane	8.22	76	377721	48.538	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	572135	225.647	ug/l	99
59) 2-Hexanone	8.34	43	1232836	238.764	ug/l	99
60) Dibromochloromethane	8.46	129	242993	49.392	ug/l	99
61) 1,2-Dibromoethane	8.57	107	228306	47.289	ug/l	98
64) Tetrachloroethene	8.21	164	205834	52.024	ug/l	99
65) Chlorobenzene	9.10	112	594027	48.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	210977	47.990	ug/l	99
67) Ethyl Benzene	9.23	91	1021107	49.684	ug/l	99
68) m/p-Xylenes	9.35	106	788704	100.926	ug/l	100
69) o-Xylene	9.76	106	378544	50.491	ug/l	100
70) Styrene	9.77	104	674100	52.439	ug/l	99
71) Bromoform	9.94	173	183654	48.081	ug/l #	99
73) Isopropylbenzene	10.15	105	1025352	46.332	ug/l	100
74) N-amyl acetate	9.99	43	435301	46.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	377180	44.529	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	315709m	42.515	ug/l	
77) Bromobenzene	10.43	156	273229	45.896	ug/l	99
78) n-propylbenzene	10.57	91	1209786	46.940	ug/l	100
79) 2-Chlorotoluene	10.64	91	708208	45.812	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	892183	47.565	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	94432m	42.821	ug/l	
82) 4-Chlorotoluene	10.75	91	830919	46.736	ug/l	100
83) tert-Butylbenzene	11.08	119	844972	45.761	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	904478	48.561	ug/l	100
85) sec-Butylbenzene	11.30	105	1020640	46.118	ug/l	100
86) p-Isopropyltoluene	11.46	119	940610	46.993	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	489552	46.450	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	492573	46.213	ug/l	100
89) n-Butylbenzene	11.87	91	841790	47.701	ug/l	100
90) Hexachloroethane	12.12	117	134751	38.939	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	483176	47.859	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	75540	44.765	ug/l	98

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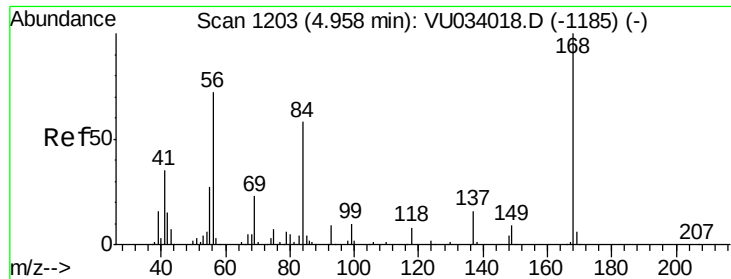
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
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QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	333322	46.497	ug/l	99
94) Hexachlorobutadiene	13.67	225	160199	40.563	ug/l	99
95) Naphthalene	13.72	128	941055	45.911	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	329324	50.921	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 383937

Ion Ratio Lower Upper

168 100

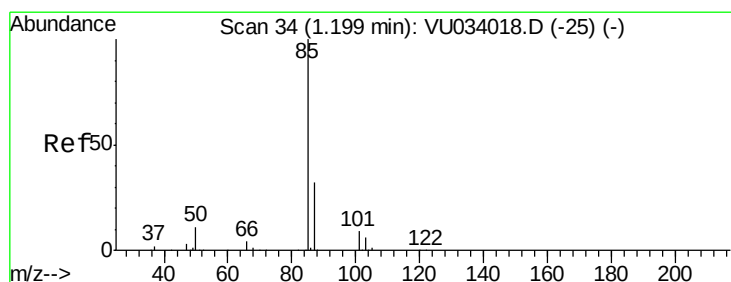
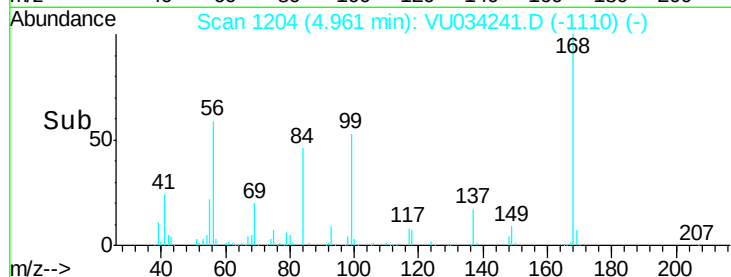
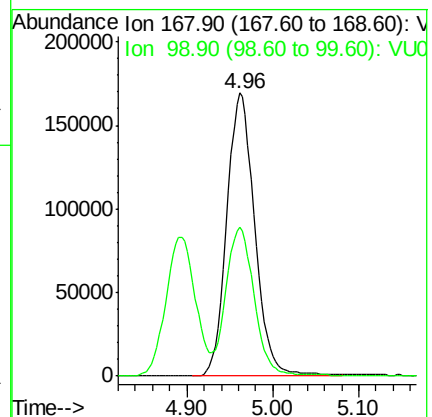
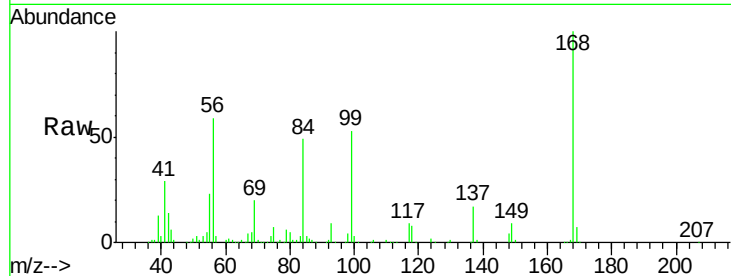
99 52.3 42.3 63.5

Manual Integrations

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9/4/2019 2:08:11 PM



#2

Dichlorodifluoromethane

Concen: 44.655 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034241.D

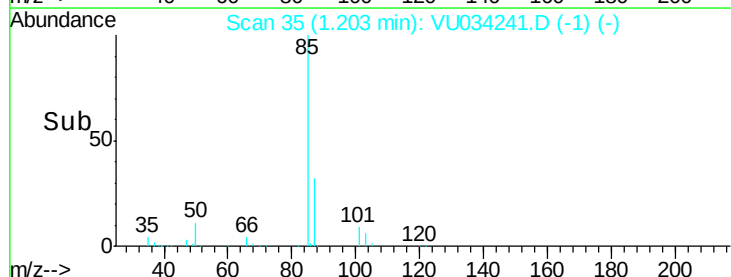
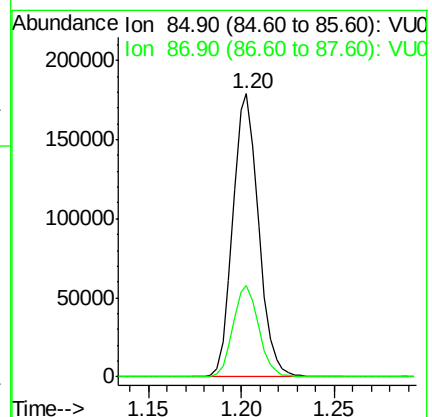
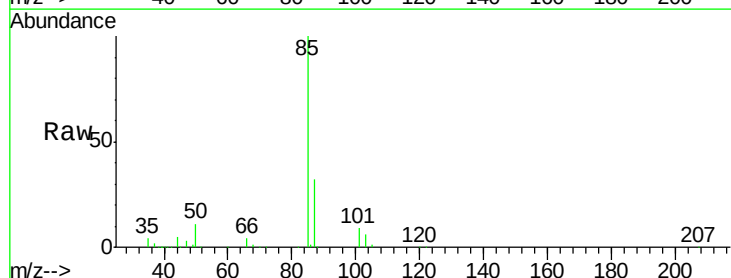
Acq: 03 Sep 2019 20:51

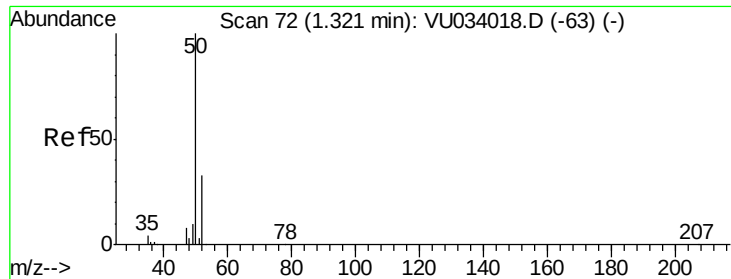
Tgt Ion: 85 Resp: 172426

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3





#3

Chloromethane

Concen: 42.114 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 218876

Ion Ratio Lower Upper

50 100

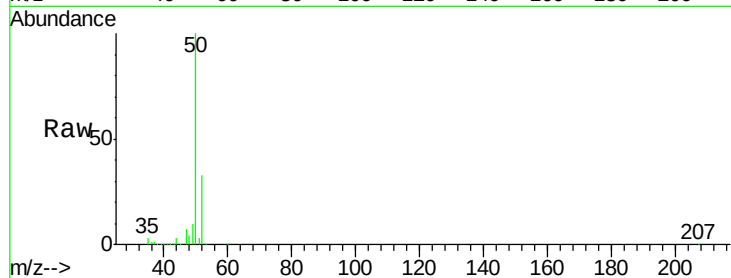
52 32.9 26.2 39.4

Manual Integrations

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9/4/2019 2:08:11 PM



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)

1.32

250000

200000

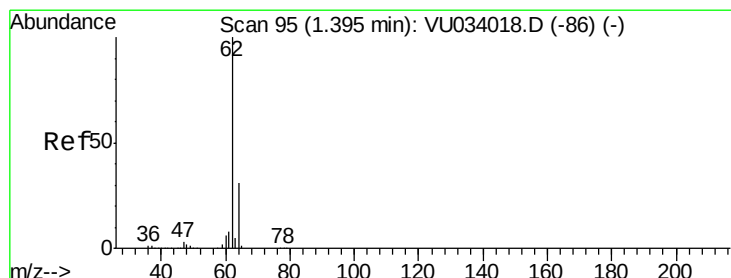
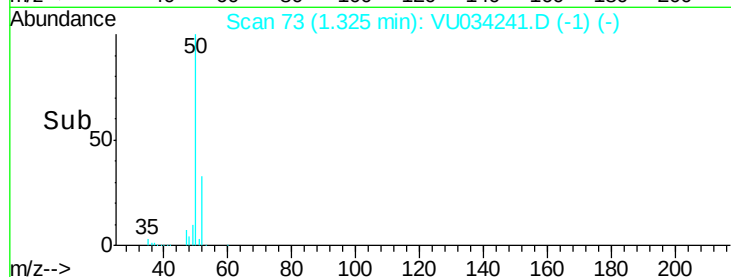
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.966 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034241.D

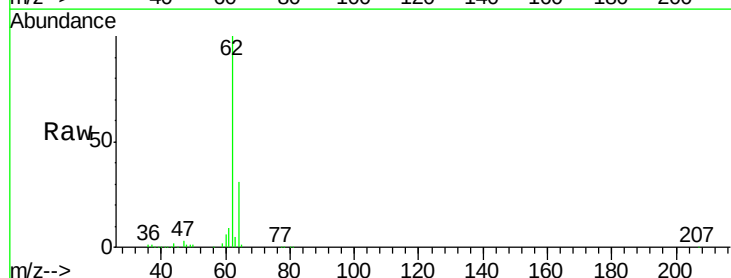
Acq: 03 Sep 2019 20:51

Tgt Ion: 62 Resp: 231088

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034018.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU034018.D (-86) (-)

1.40

250000

200000

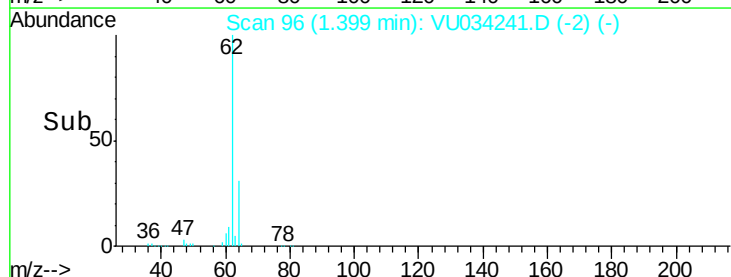
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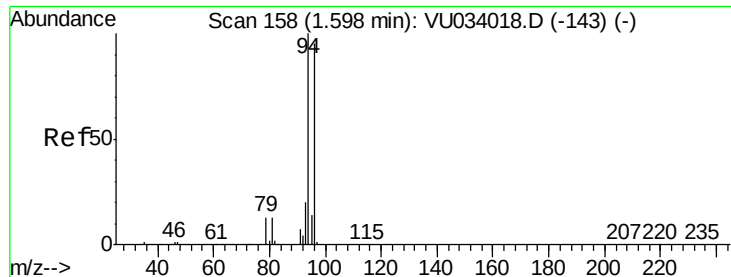
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.701 ug/l

RT: 1.61 min Scan# 163

Delta R.T. 0.02 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 127408

Ion Ratio Lower Upper

94 100

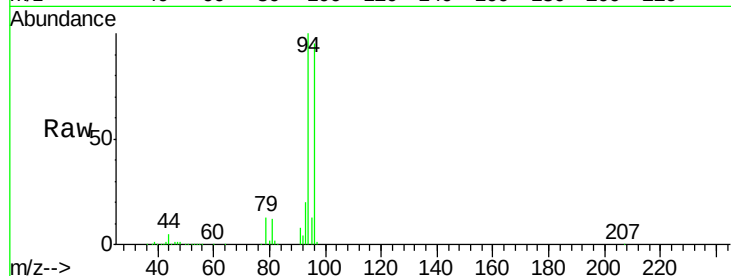
96 94.6 76.3 114.5

Manual Integrations

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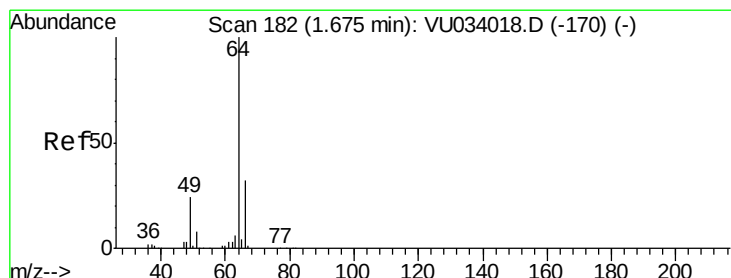
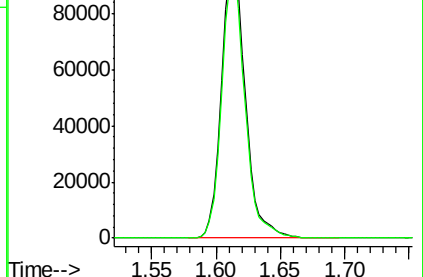
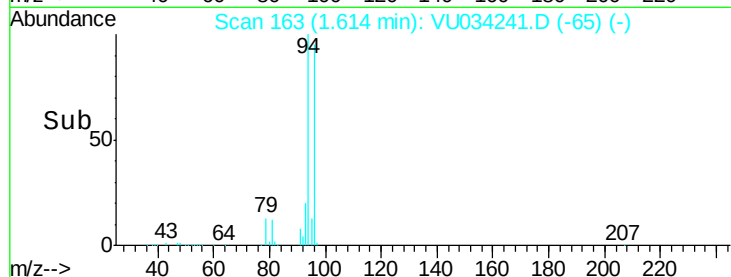


Abundance Ion 93.90 (93.60 to 94.60): VU034241.D (-163) (-)

Ion 95.90 (95.60 to 96.60): VU034241.D (-163) (-)

1.61

Time-->



#6

Chloroethane

Concen: 44.591 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU034241.D

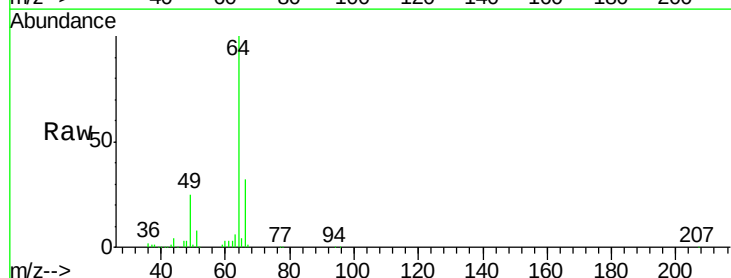
Acq: 03 Sep 2019 20:51

Tgt Ion: 64 Resp: 140100

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3

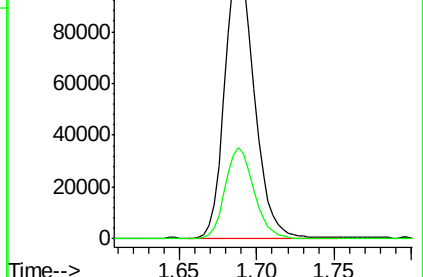
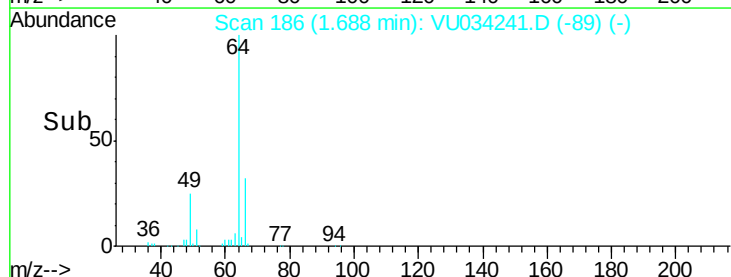


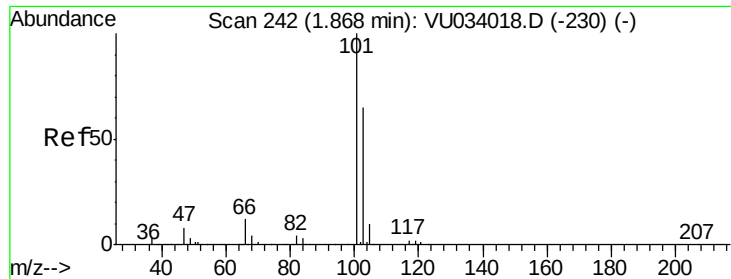
Abundance Ion 63.90 (63.60 to 64.60): VU034241.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VU034241.D (-186) (-)

1.69

Time-->





#7

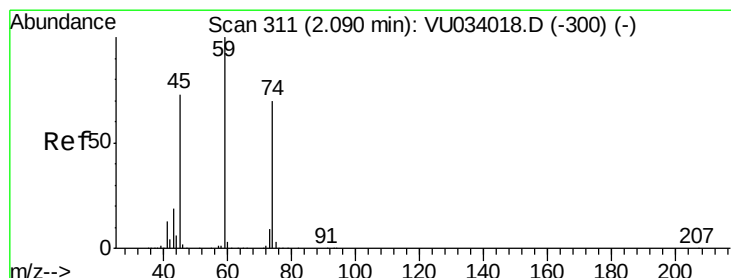
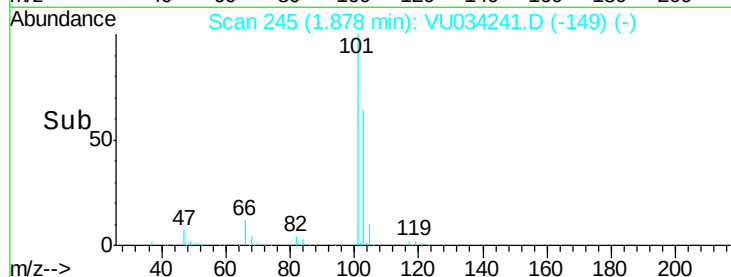
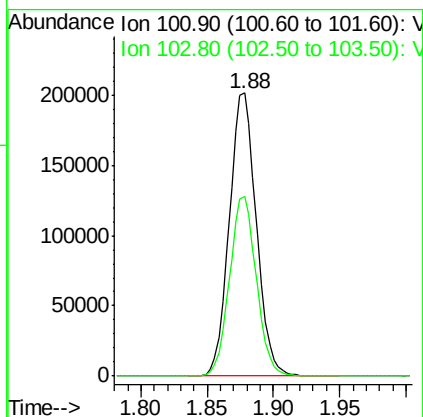
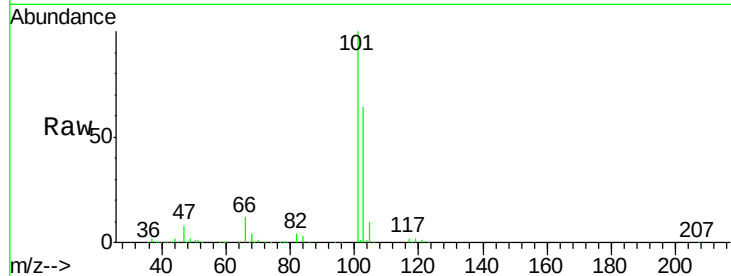
Trichlorofluoromethane
 Concen: 47.723 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	284180		
103	63.6	52.1	78.1	

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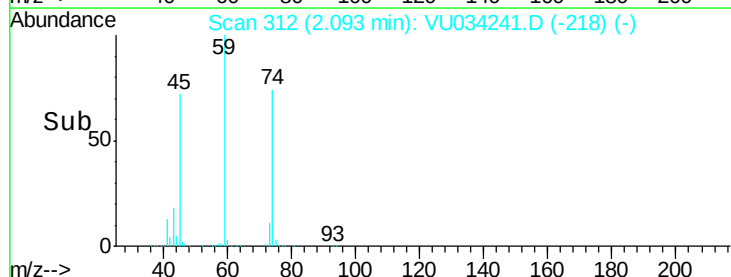
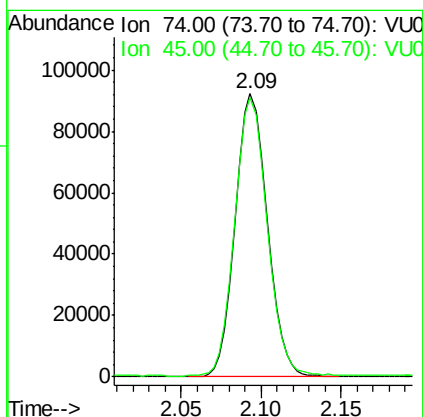
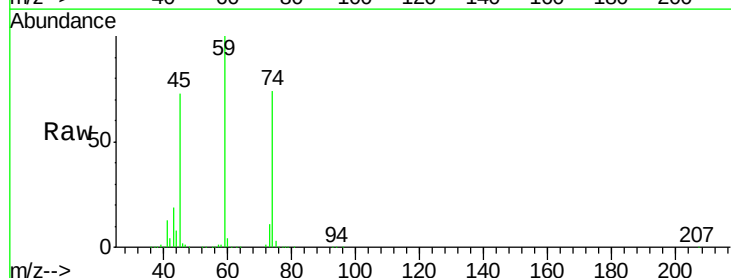
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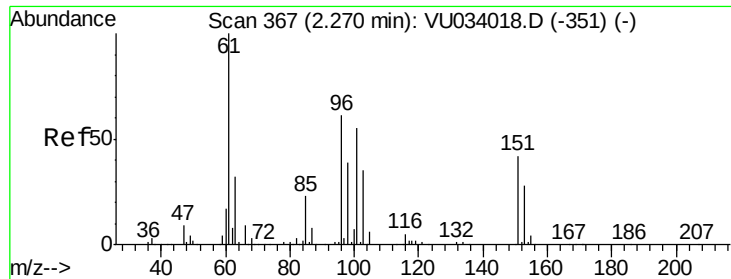


#8

Diethyl Ether
 Concen: 49.356 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	125731		
45	99.4	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.891 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

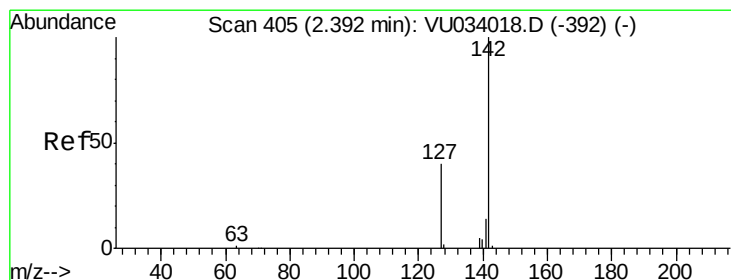
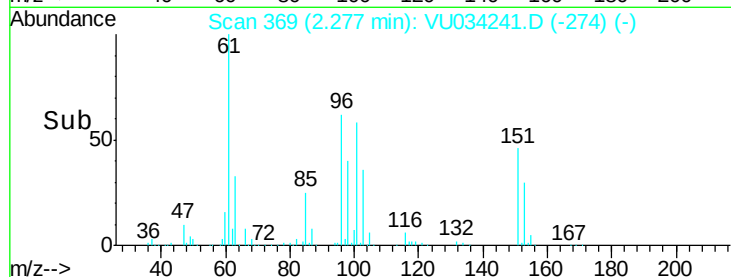
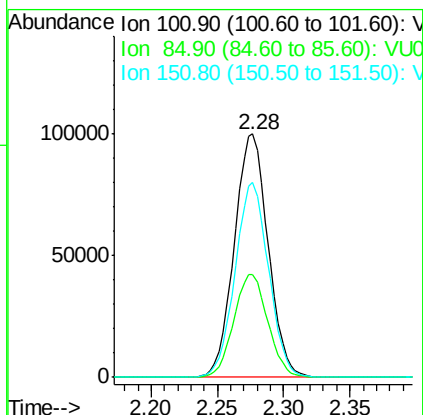
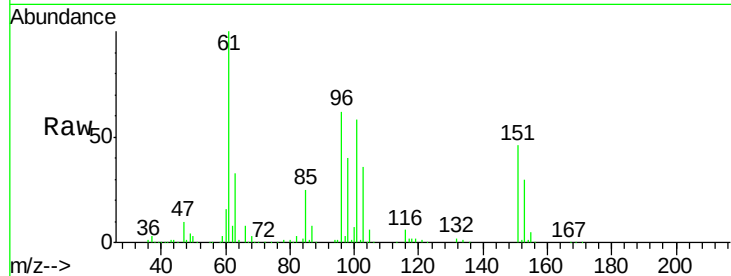
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	176892
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.2
151	79.5	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 30.435 ug/l

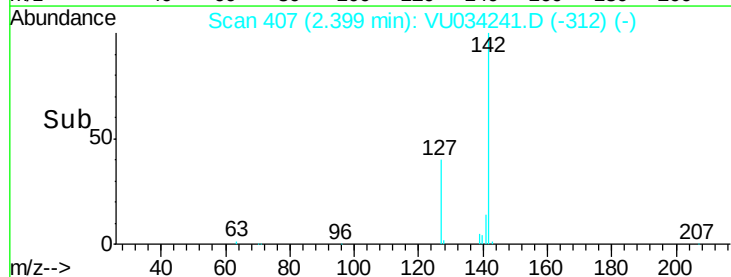
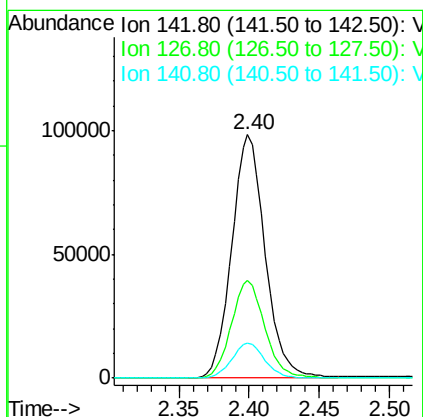
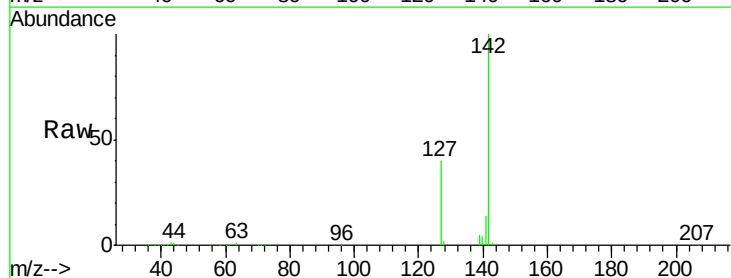
RT: 2.40 min Scan# 407

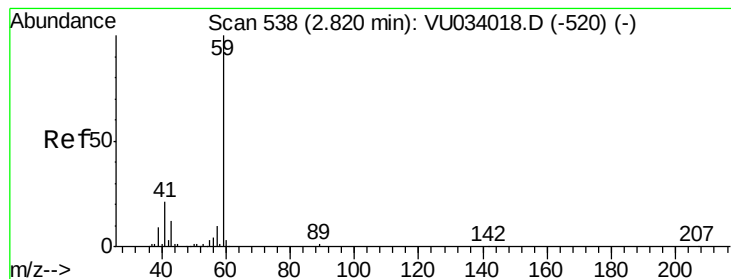
Delta R.T. 0.01 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Tgt Ion:	142	Resp:	162867
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.6	48.8
141	14.4	11.3	16.9





#11

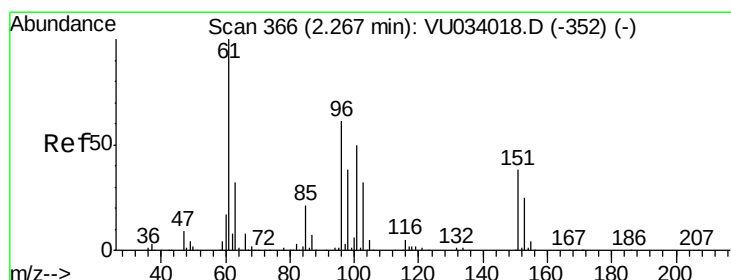
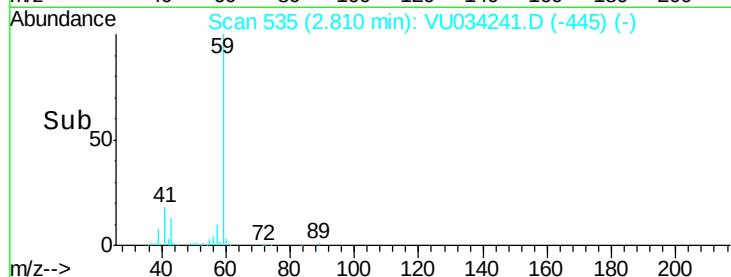
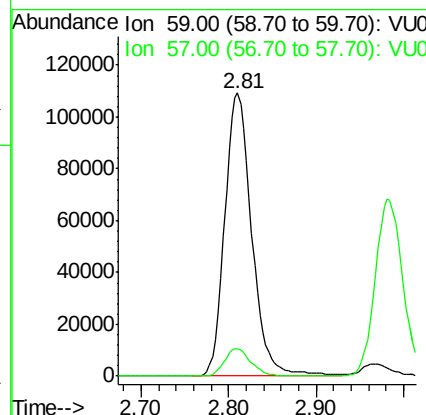
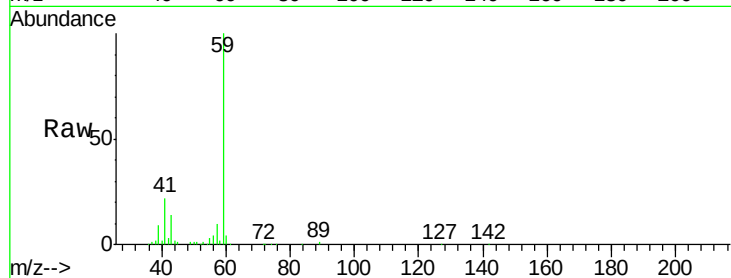
Tert butyl alcohol
 Concen: 206.696 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.0	12.0

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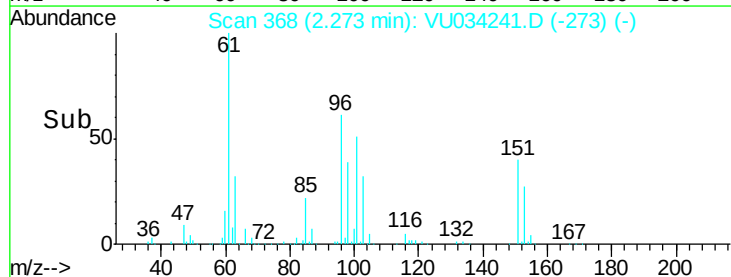
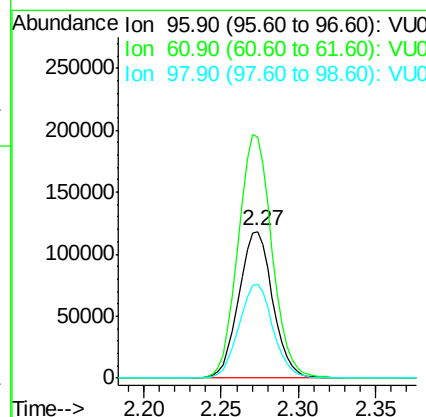
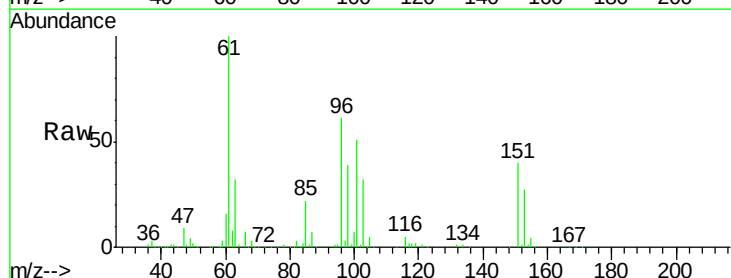
MMDadoda
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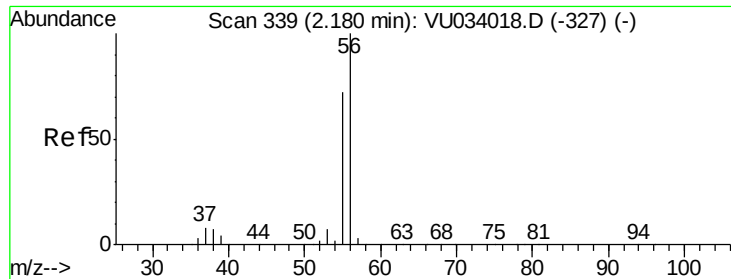


#12

1,1-Dichloroethene
 Concen: 46.990 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	131.3	196.9
98	64.0	50.3	75.5





#13

Acrolein

Concen: 162.813 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 77701

Ion Ratio Lower Upper

56 100

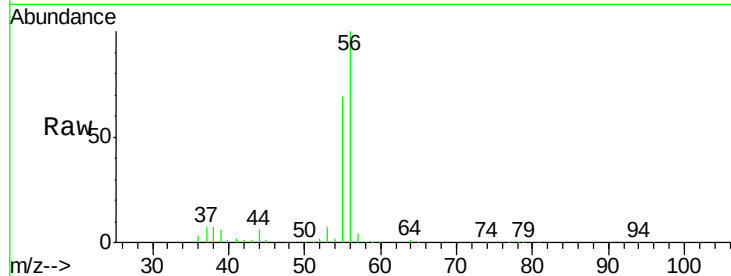
55 69.7 57.1 85.7

Manual Integrations

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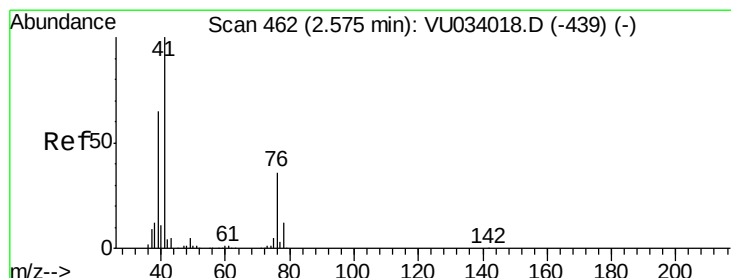
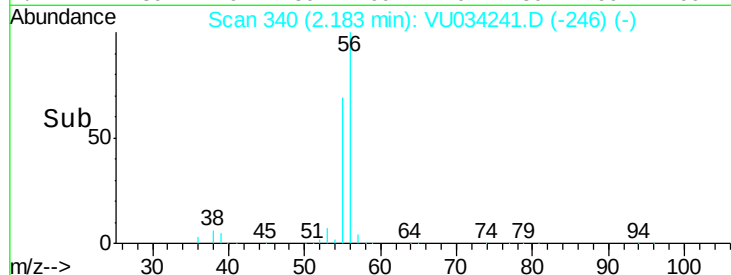
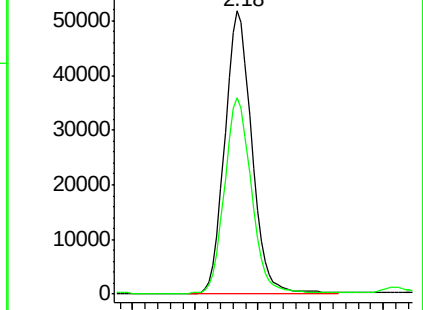
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Abundance Ion 56.00 (55.70 to 56.70): VU034018.D (-327) (-)

Ion 55.00 (54.70 to 55.70): VU034018.D (-327) (-)



#14

Allyl chloride

Concen: 46.569 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

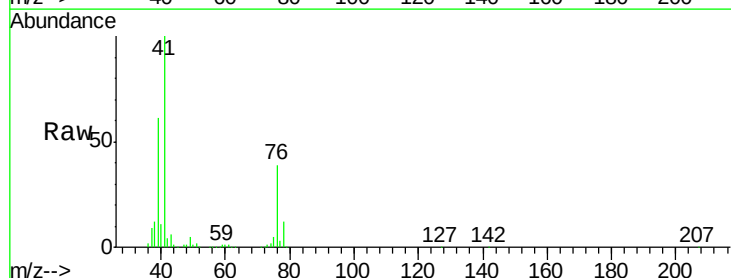
Tgt Ion: 41 Resp: 336537

Ion Ratio Lower Upper

41 100

39 55.5 46.8 70.2

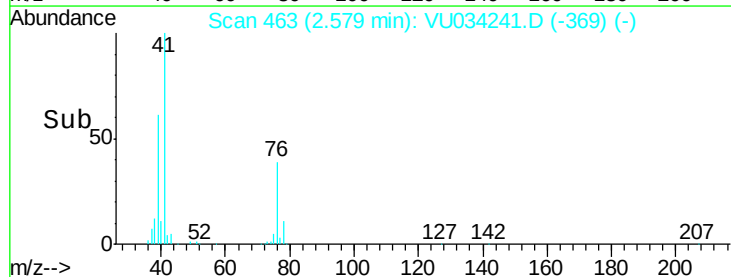
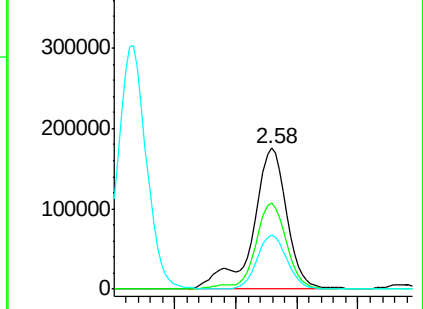
76 33.5 26.6 40.0

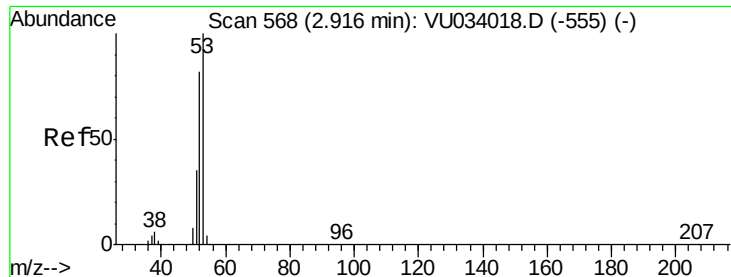


Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-439) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-439) (-)

Ion 75.90 (75.60 to 76.60): VU034018.D (-439) (-)





#15

Acrylonitrile

Concen: 249.223 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

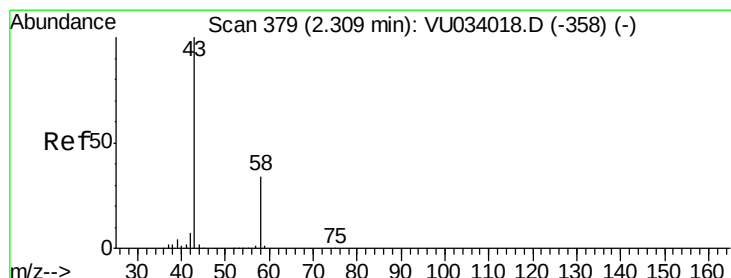
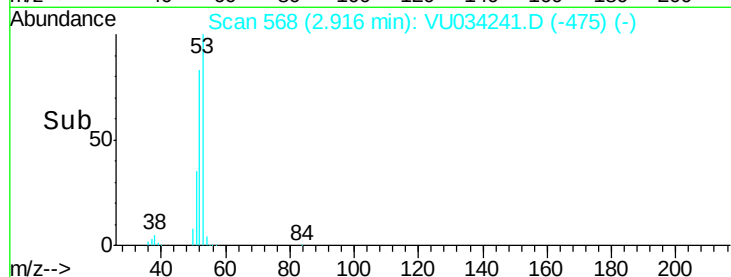
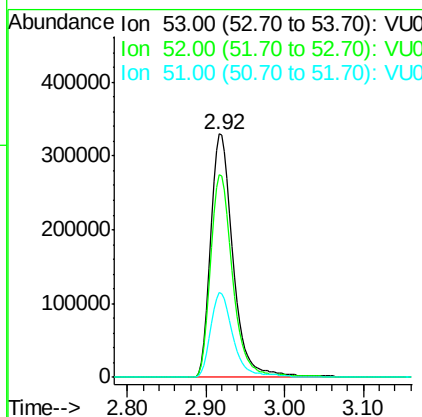
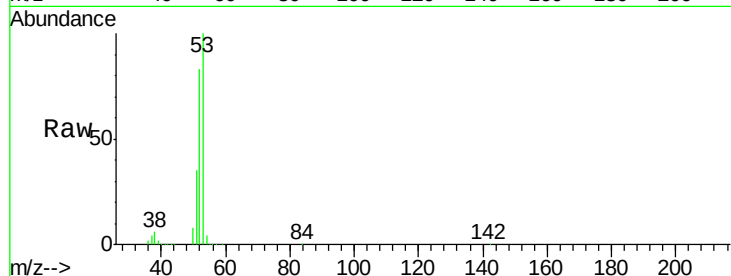
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	648792
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.7	98.5
51	35.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 205.455 ug/l

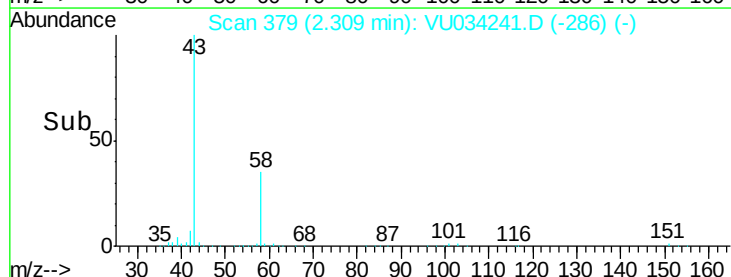
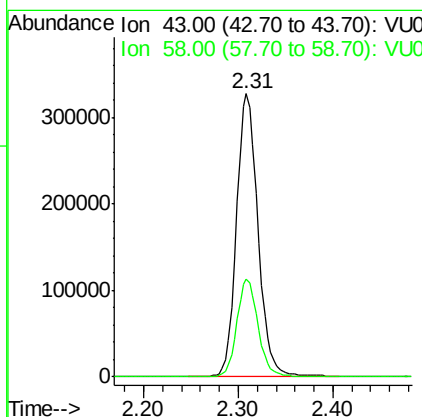
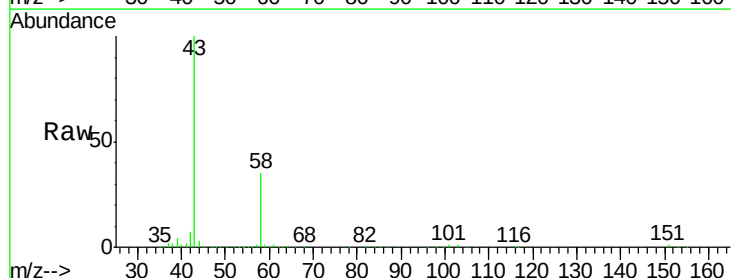
RT: 2.31 min Scan# 379

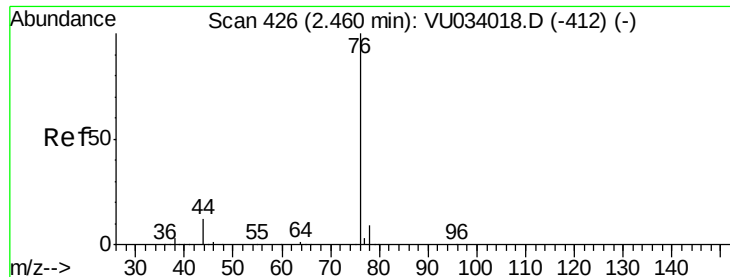
Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Tgt Ion:	43	Resp:	515726
Ion	Ratio	Lower	Upper
43	100		
58	34.7	26.8	40.2





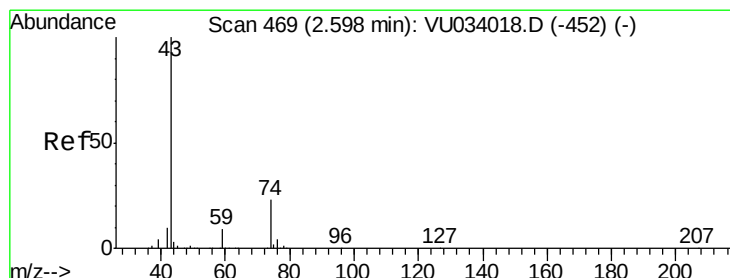
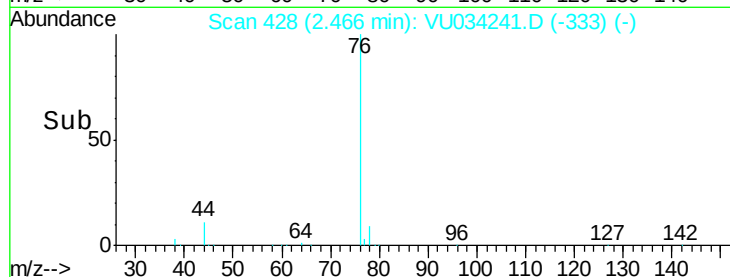
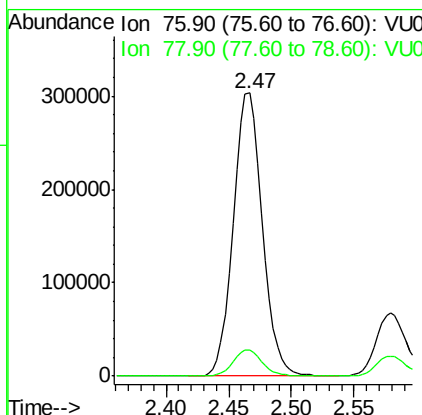
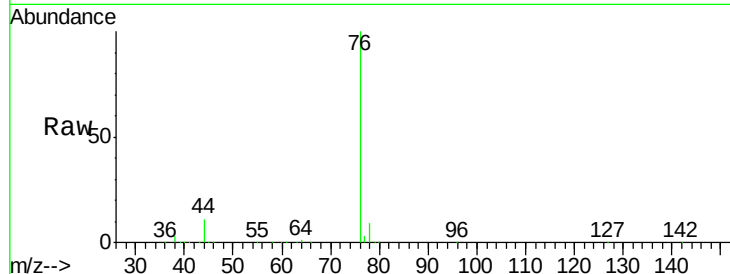
#17
Carbon Disulfide
Concen: 40.085 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

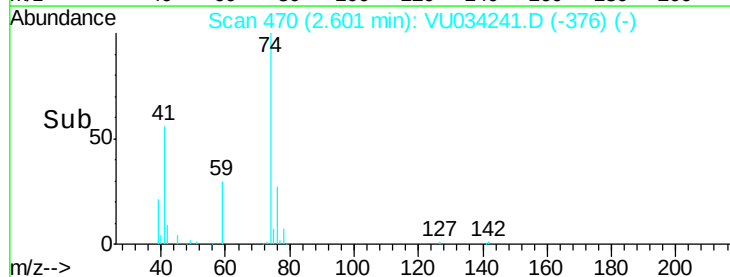
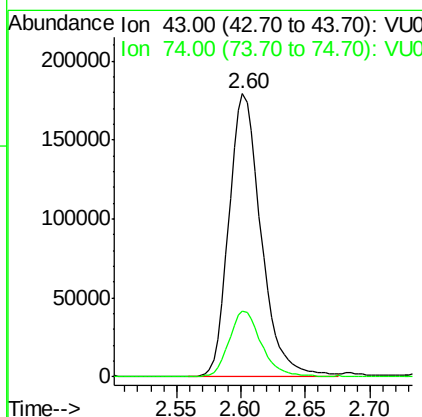
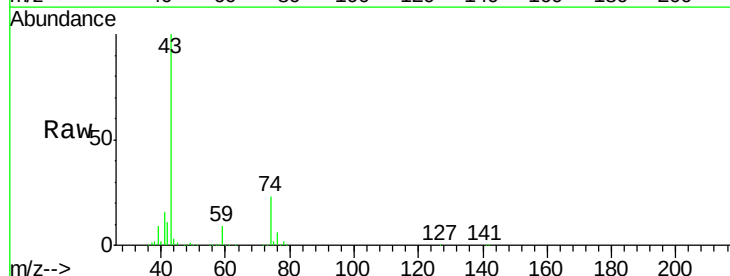
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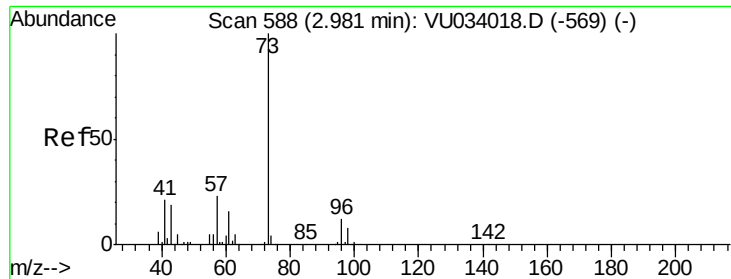
MMDadoda
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#18
Methyl Acetate
Concen: 47.639 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8





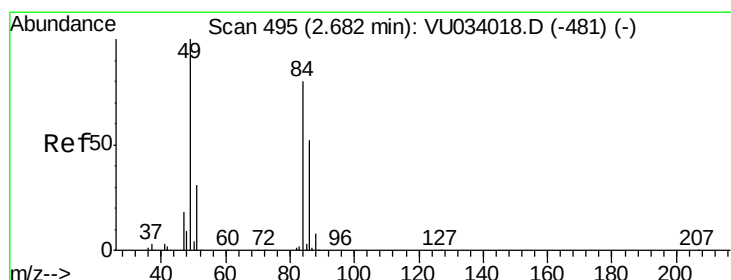
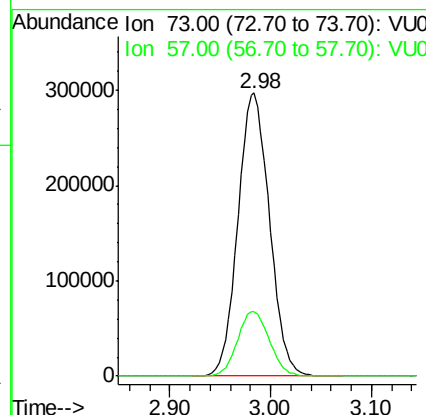
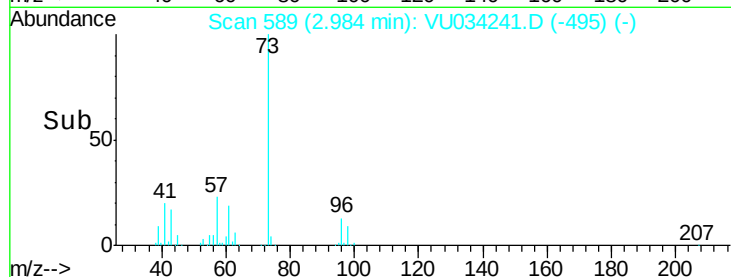
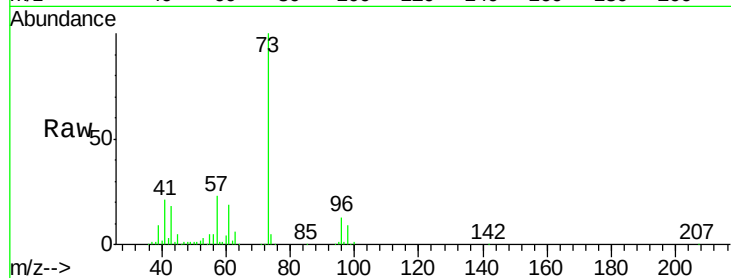
#19
Methyl tert-butyl Ether
Concen: 51.283 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 645839
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

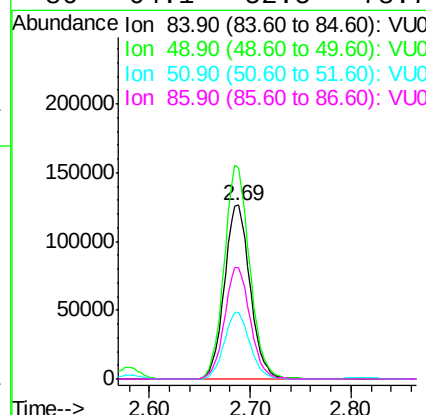
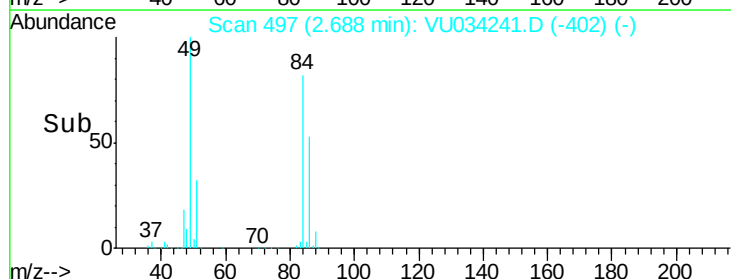
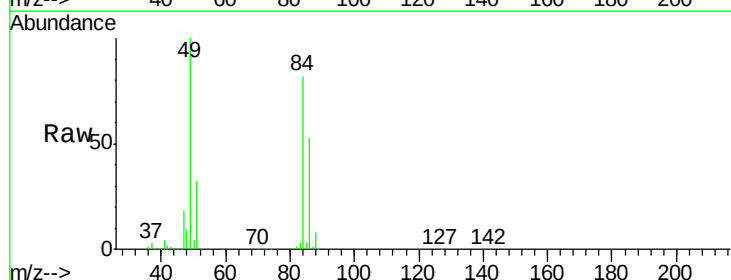
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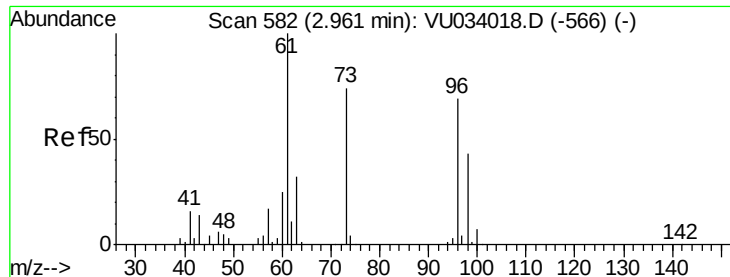
MMDadoda
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#20
Methylene Chloride
Concen: 47.441 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion: 84 Resp: 225442
Ion Ratio Lower Upper
84 100
49 121.8 100.2 150.4
51 38.5 30.8 46.2
86 64.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 46.992 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

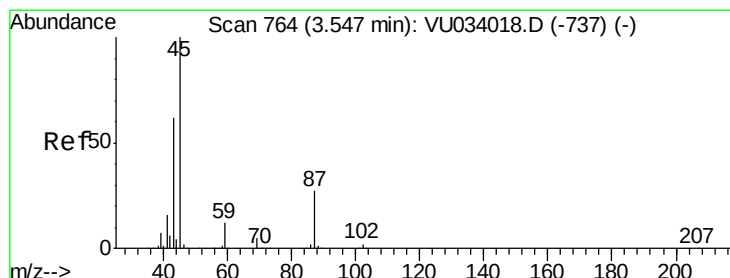
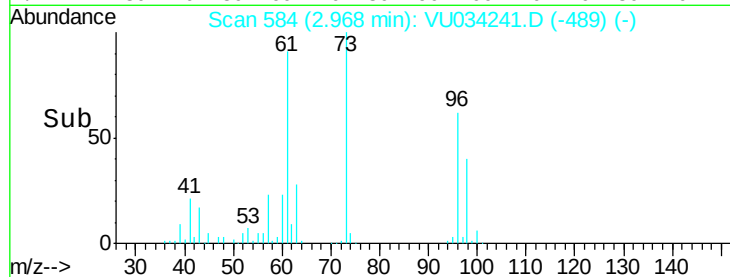
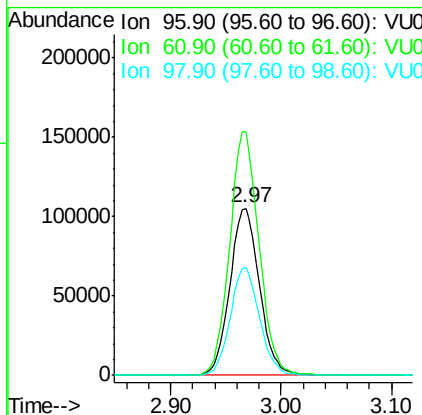
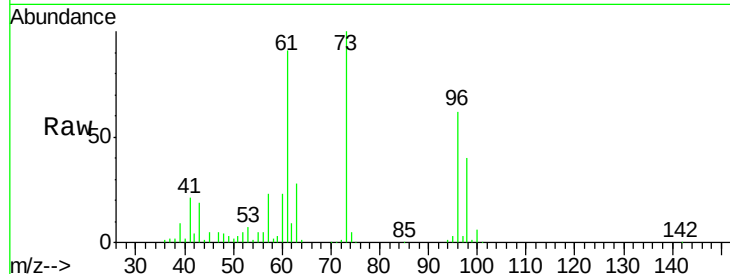
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	196022
Ion	Ratio	Lower	Upper
96	100		
61	145.7	115.5	173.3
98	64.4	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.552 ug/l

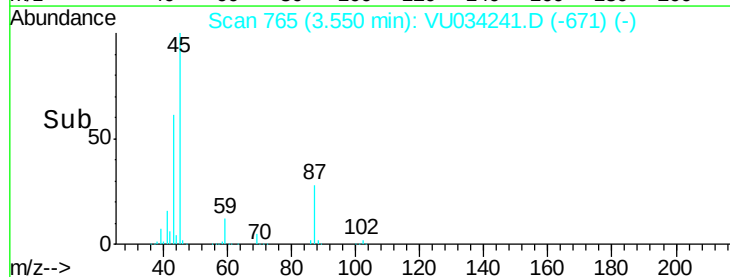
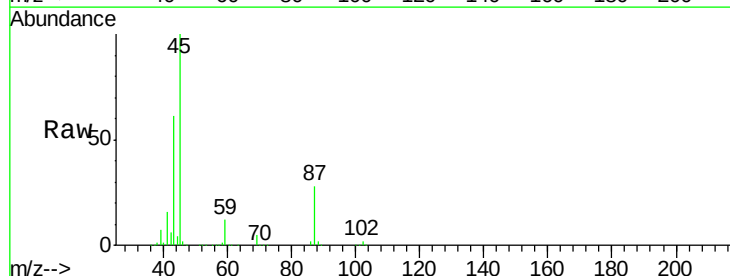
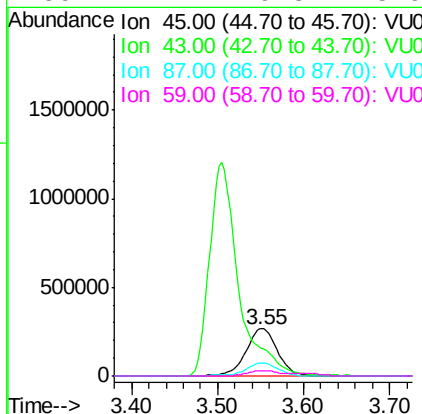
RT: 3.55 min Scan# 765

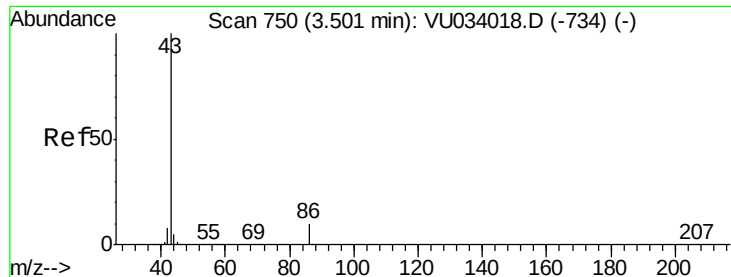
Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Tgt Ion:	45	Resp:	682656
Ion	Ratio	Lower	Upper
45	100		
43	60.0	49.7	74.5
87	27.8	21.8	32.8
59	11.7	9.3	13.9





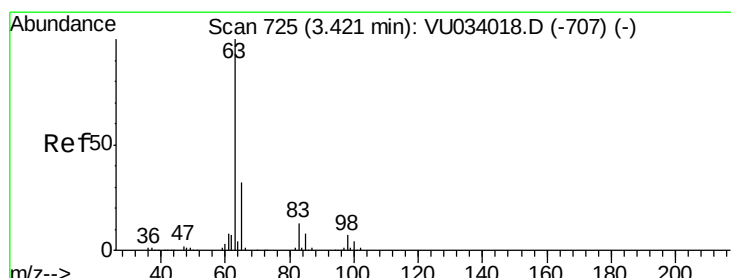
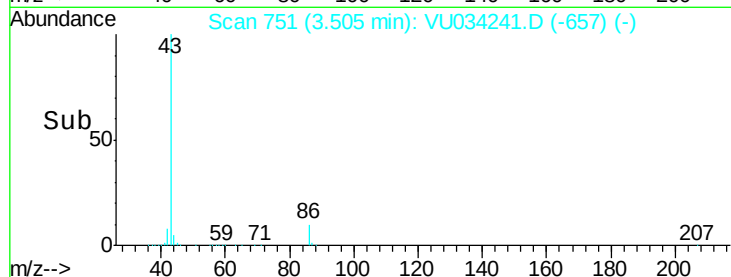
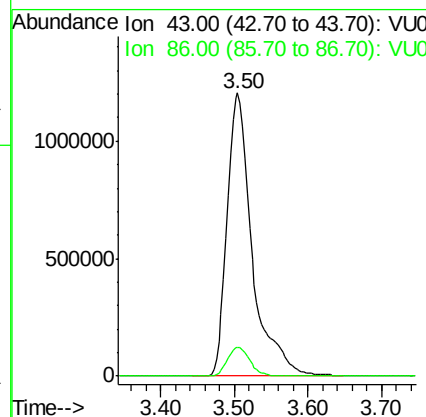
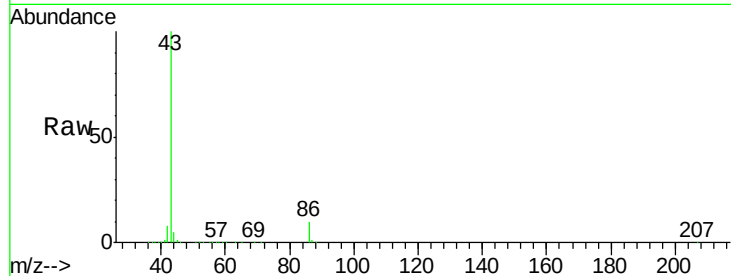
#23
 Vinyl Acetate
 Concen: 250.790 ug/l
 RT: 3.50 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2852837
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.3 12.5

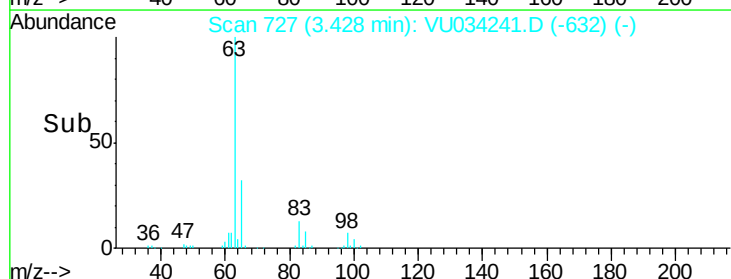
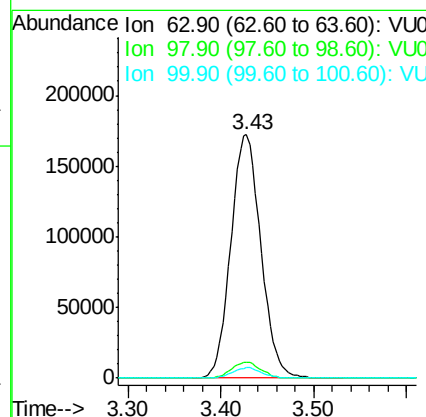
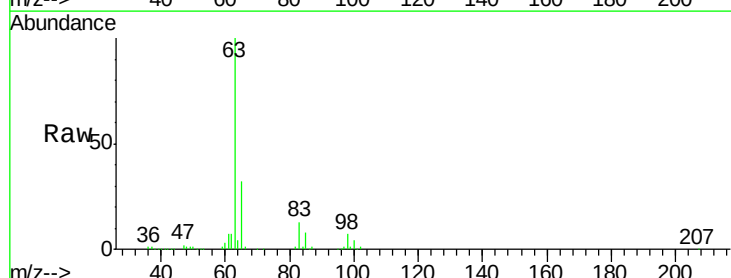
Manual Integrations
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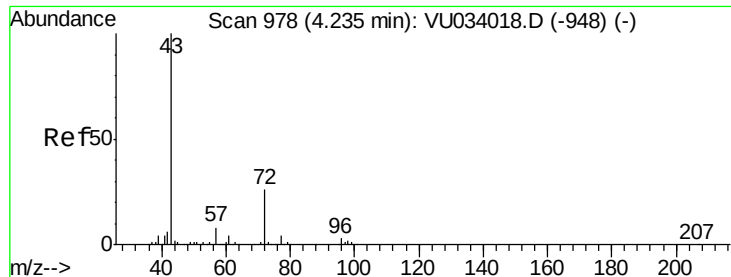
MMDadoda
 9/4/2019 2:08:11 PM



#24
 1,1-Dichloroethane
 Concen: 49.487 ug/l
 RT: 3.43 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion: 63 Resp: 386891
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 241.777 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 844361

Ion Ratio Lower Upper

43 100

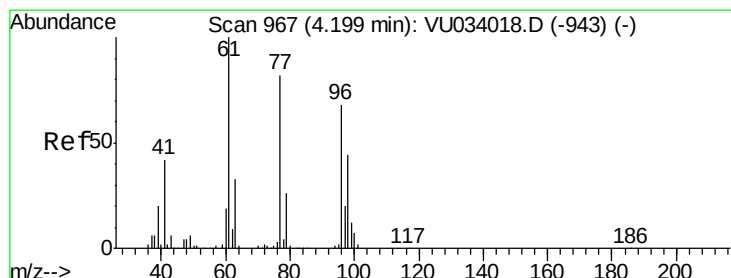
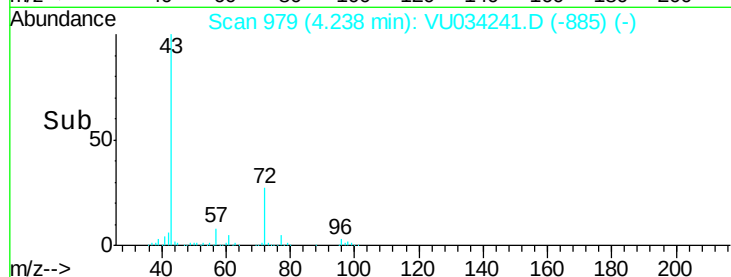
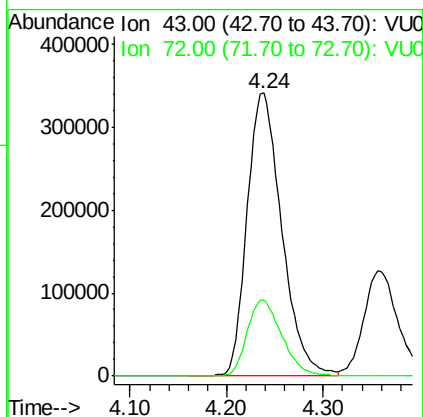
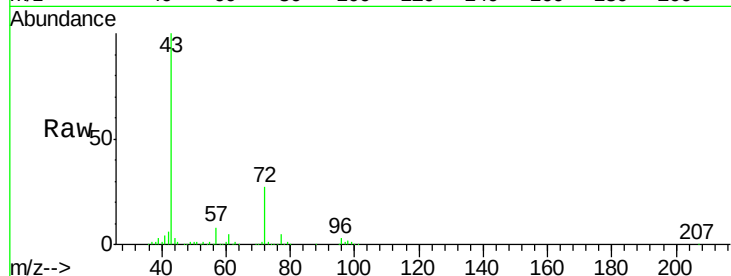
72 27.1 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.319 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034241.D

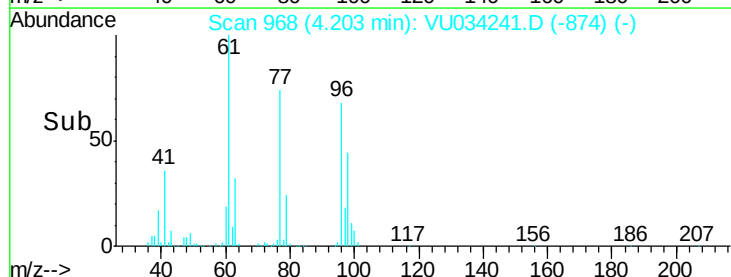
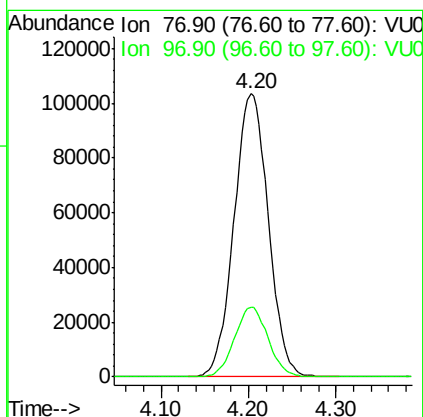
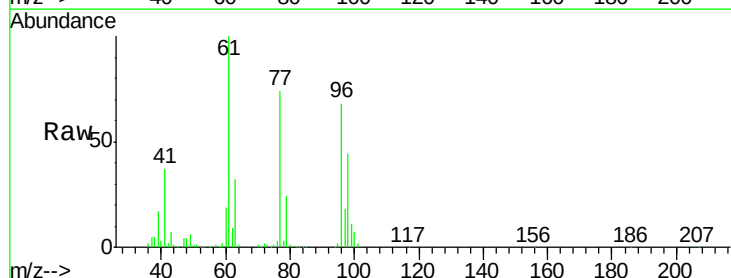
Acq: 03 Sep 2019 20:51

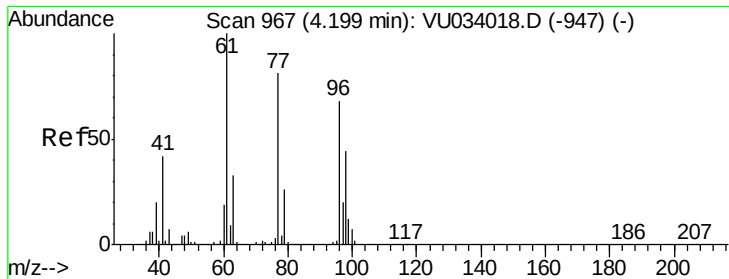
Tgt Ion: 77 Resp: 281936

Ion Ratio Lower Upper

77 100

97 24.1 11.6 34.7





#27

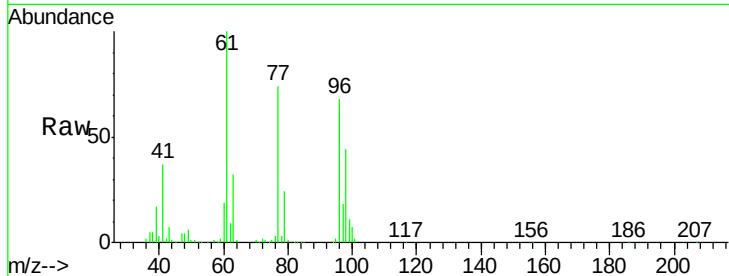
cis-1,2-Dichloroethene
Concen: 48.777 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

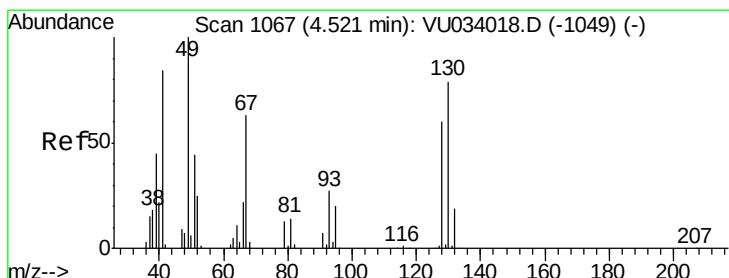
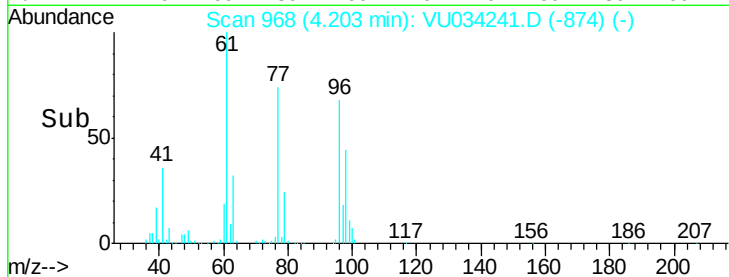
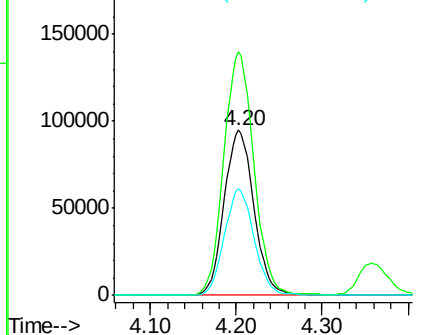
Tot Ion	Ratio	Resp	Lower	Upper
96	100	228378		
61	149.1	0.0	303.0	
98	64.5	0.0	129.2	

Manual Integrations
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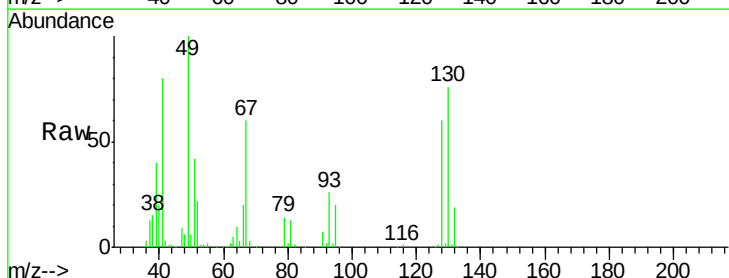
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



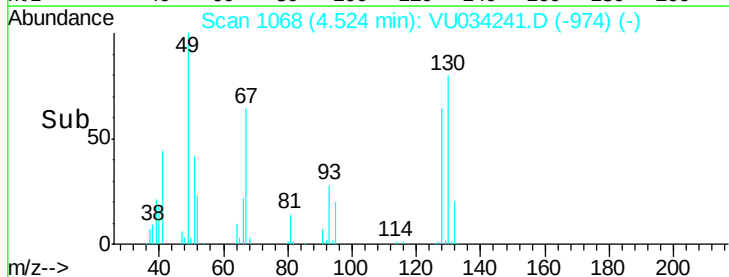
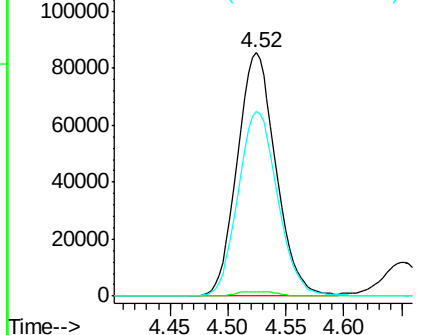
#28

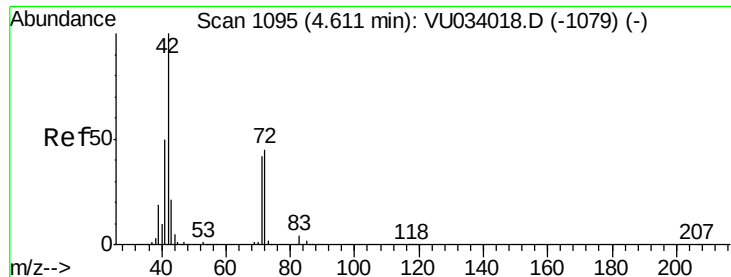
Bromochloromethane
Concen: 51.442 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	198142		
129	1.9	0.0	3.6	
130	77.7	62.8	94.2	



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





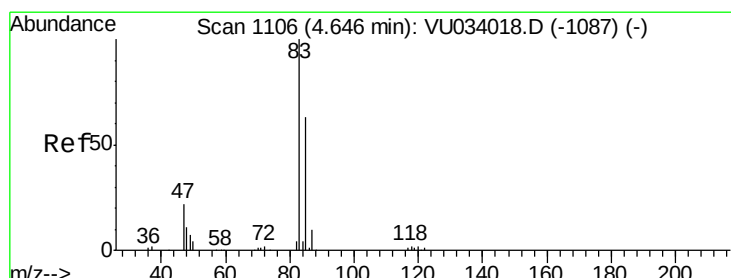
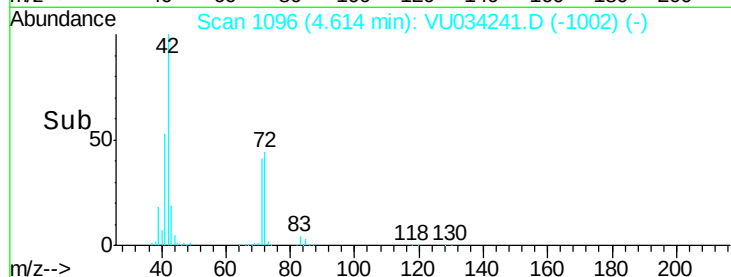
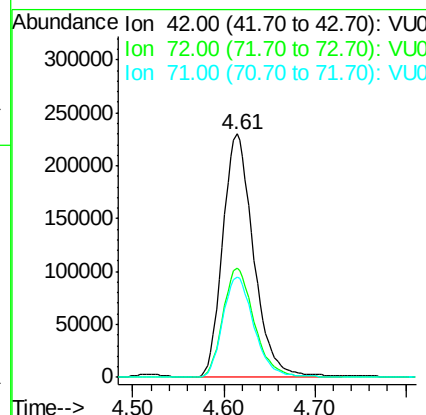
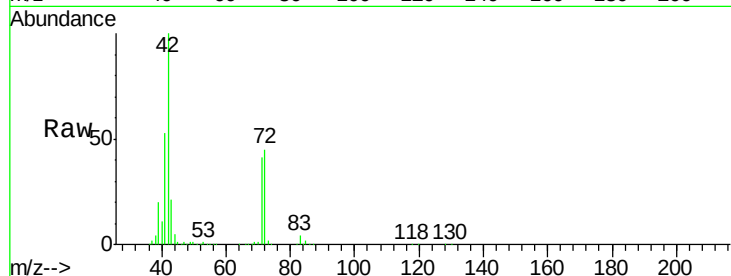
#29
Tetrahydrofuran
Concen: 250.808 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.8	53.6
71	42.0	34.0	51.0

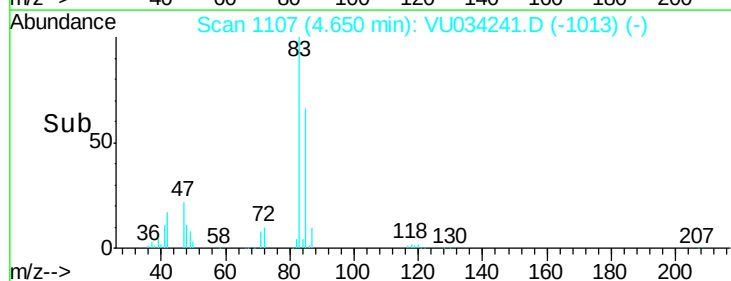
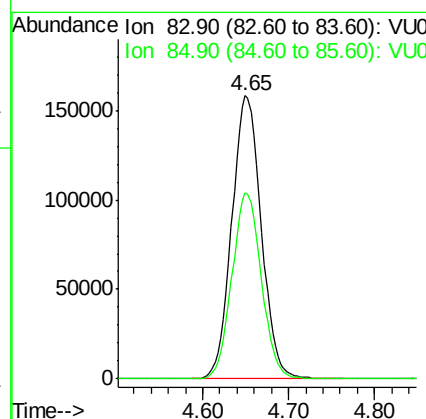
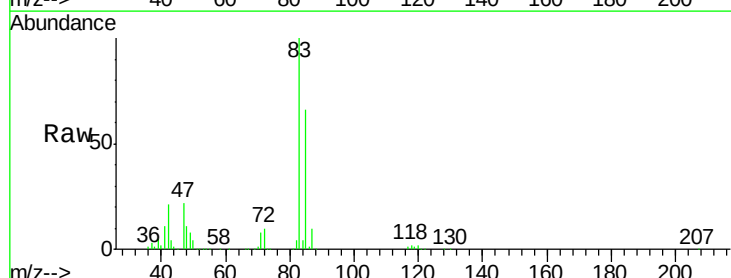
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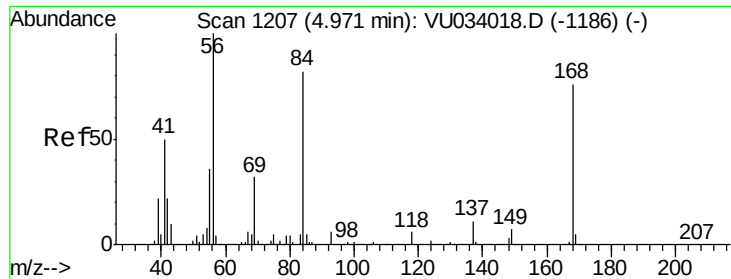
MMDadoda
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#30
Chloroform
Concen: 48.277 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.7	76.1





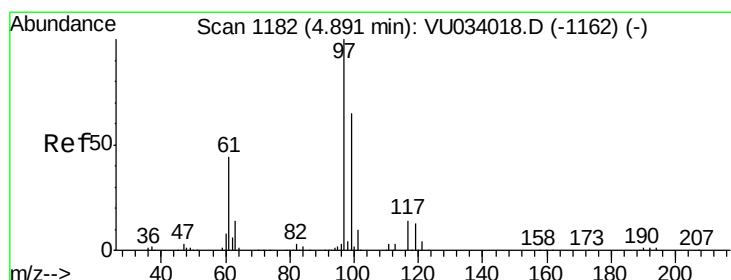
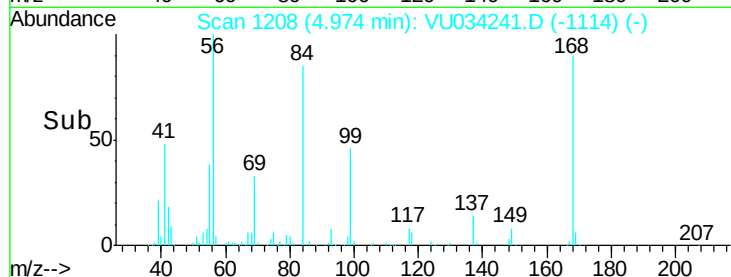
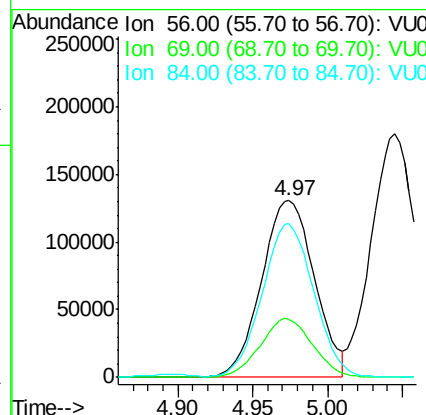
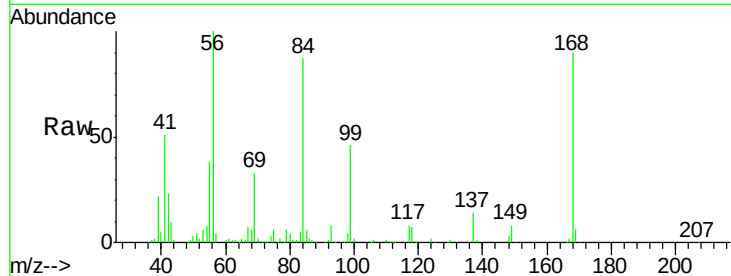
#31
Cyclohexane
Concen: 43.694 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.4	38.0
84	86.0	65.8	98.8

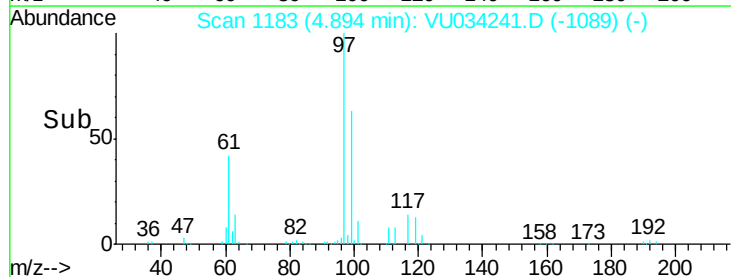
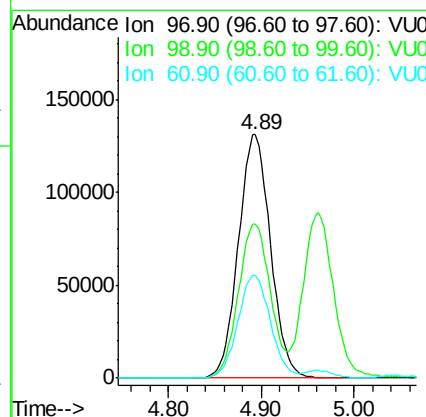
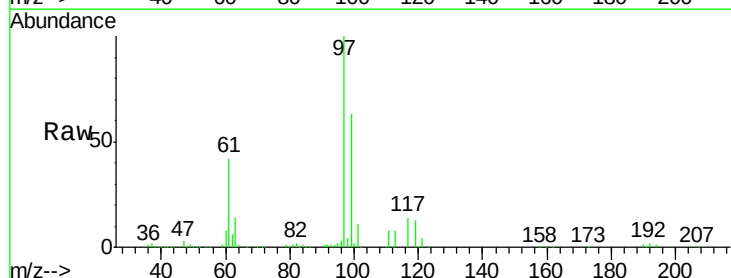
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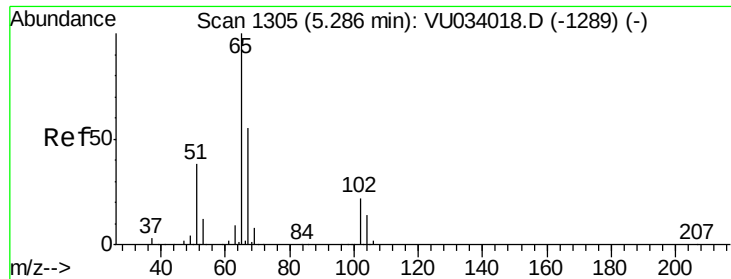
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9/4/2019 2:08:11 PM



#32
1,1,1-Trichloroethane
Concen: 49.263 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	42.9	35.3	52.9





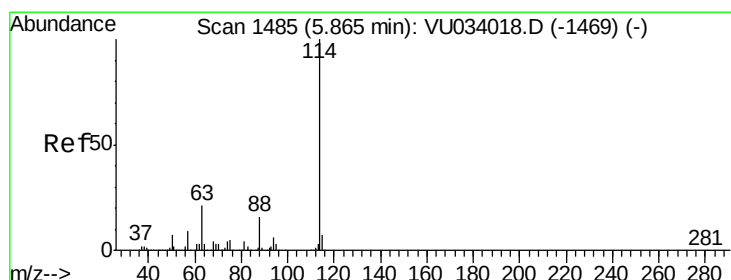
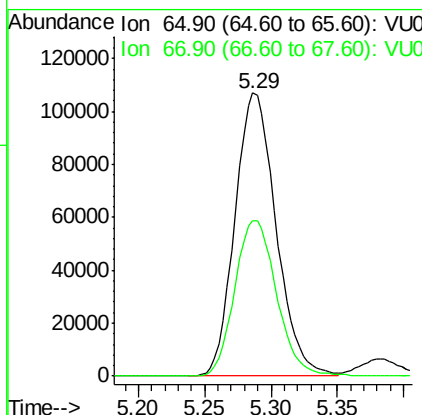
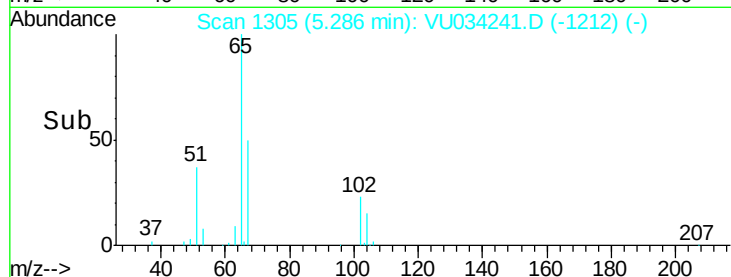
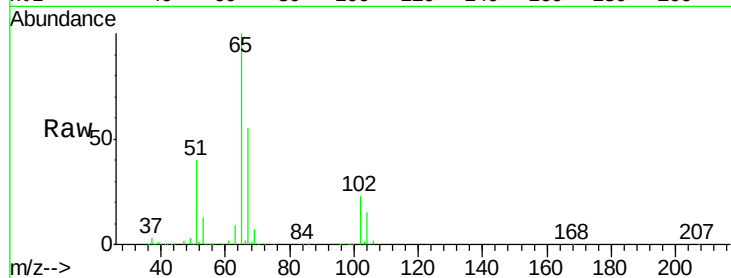
#33
 1,2-Dichloroethane-d4
 Concen: 47.028 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.1	0.0	110.6

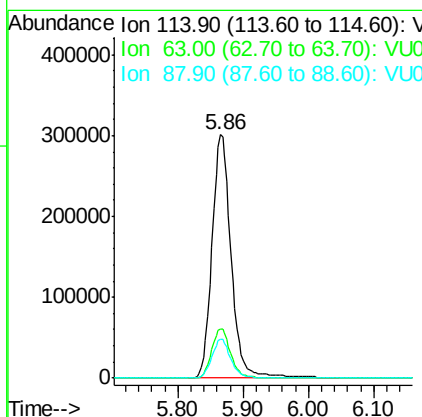
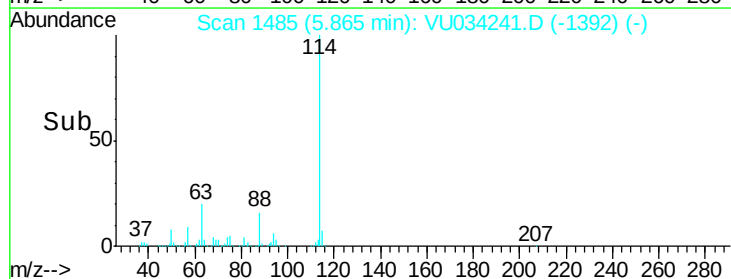
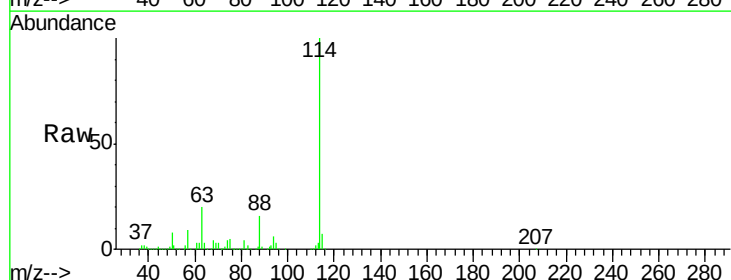
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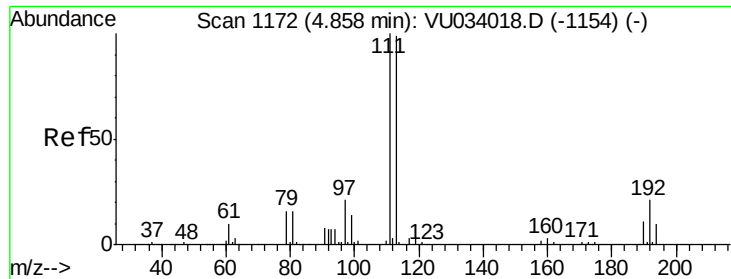
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 9/4/2019 2:08:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.0
88	16.0	0.0	32.0





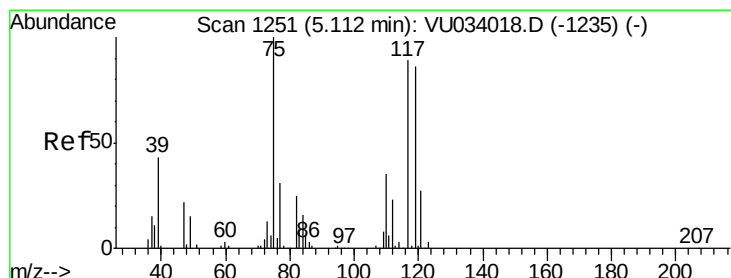
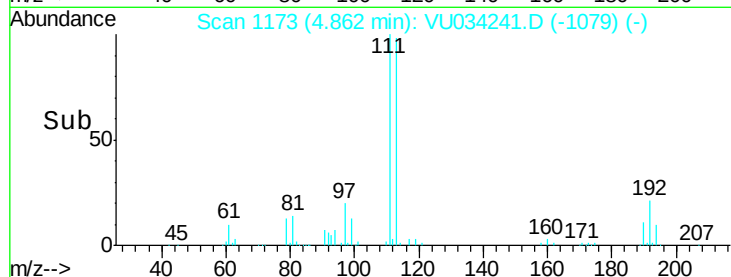
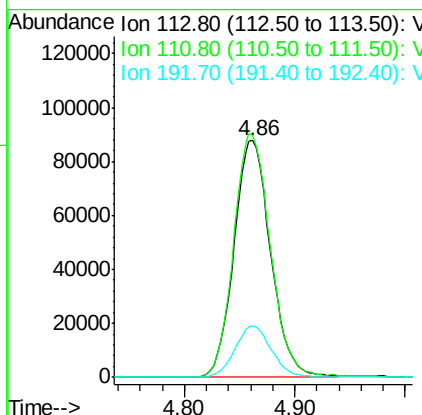
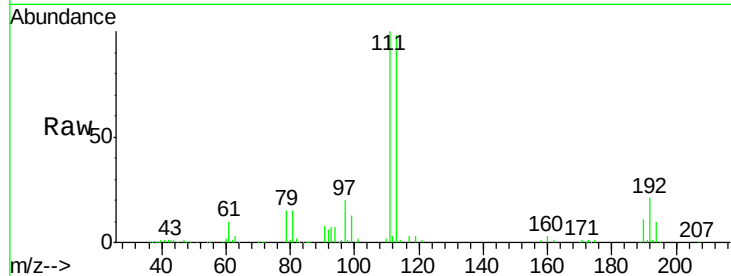
#35
 Dibromofluoromethane
 Concen: 47.407 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202090		
111	102.4	81.7	122.5	
192	21.6	17.1	25.7	

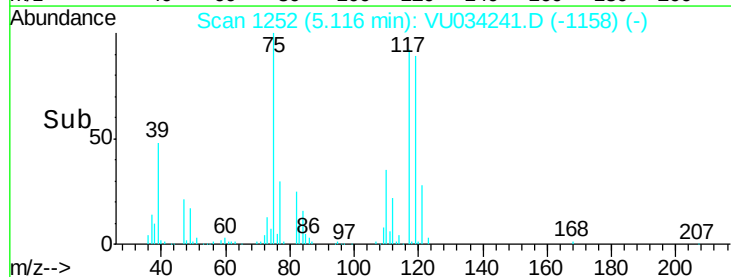
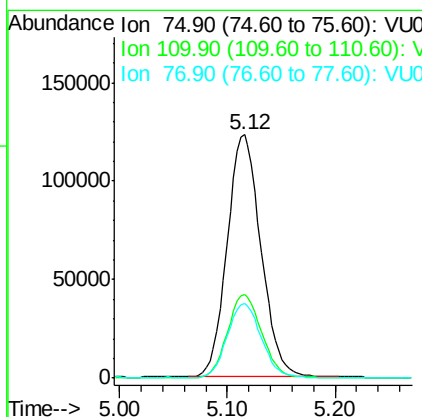
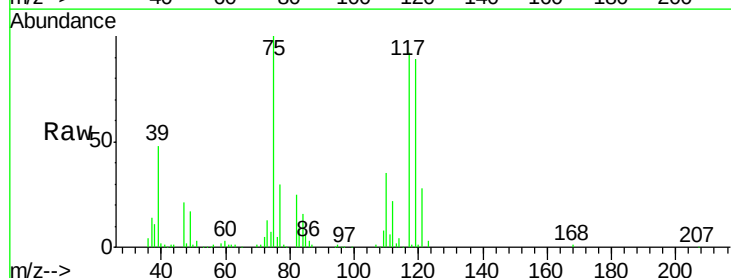
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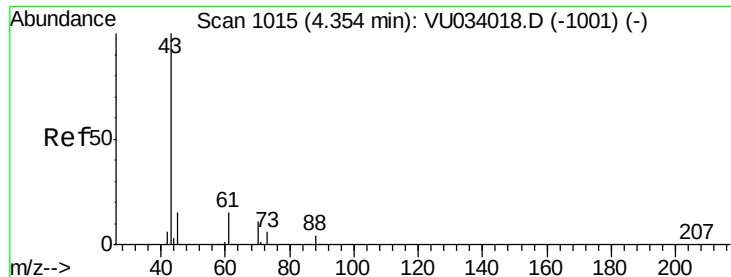
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 9/4/2019 2:08:11 PM



#36
 1,1-Dichloropropene
 Concen: 45.888 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	266766		
110	35.5	17.8	53.5	
77	30.6	25.0	37.4	





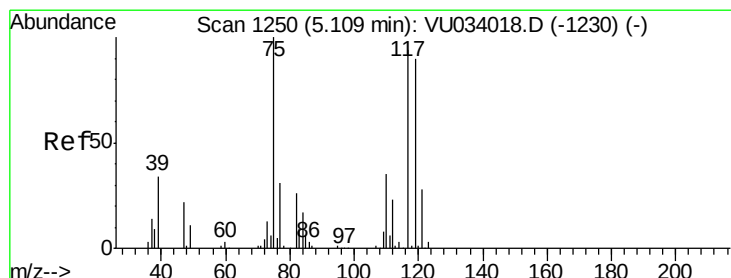
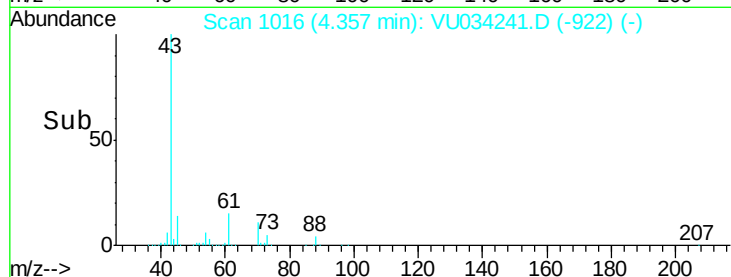
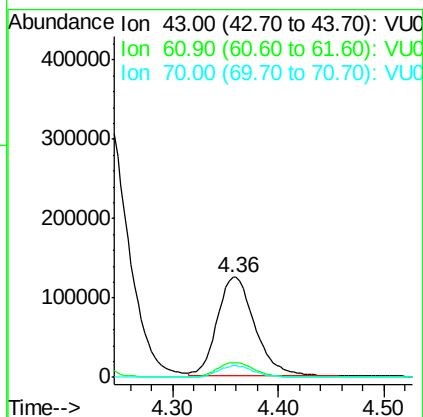
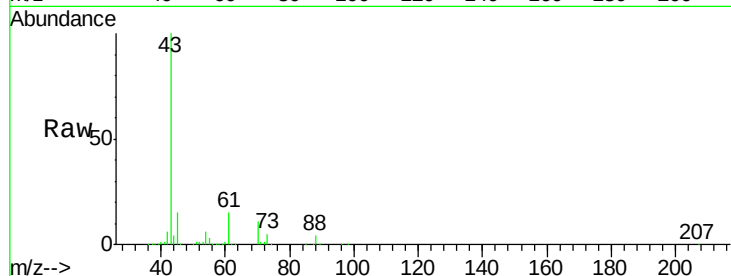
#37
Ethyl Acetate
Concen: 47.355 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.3	8.6	12.8

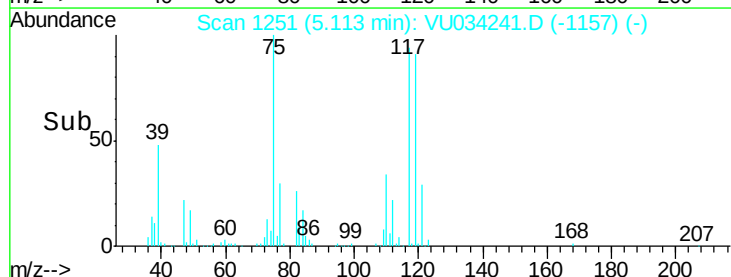
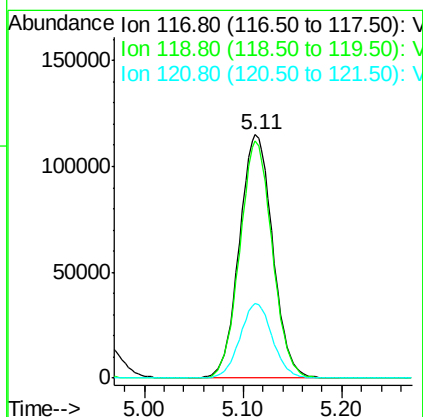
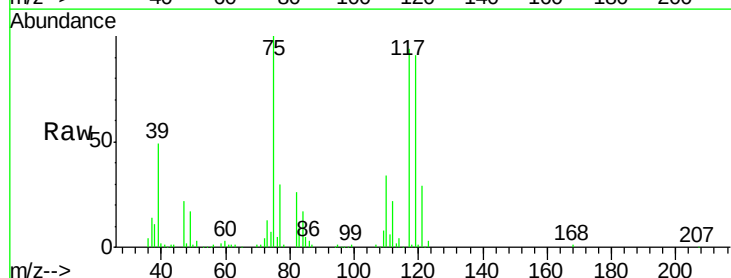
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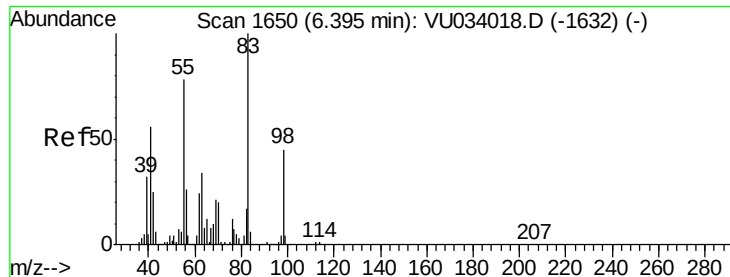
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9/4/2019 2:08:11 PM



#38
Carbon Tetrachloride
Concen: 47.665 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.0	115.4
121	30.9	23.9	35.9





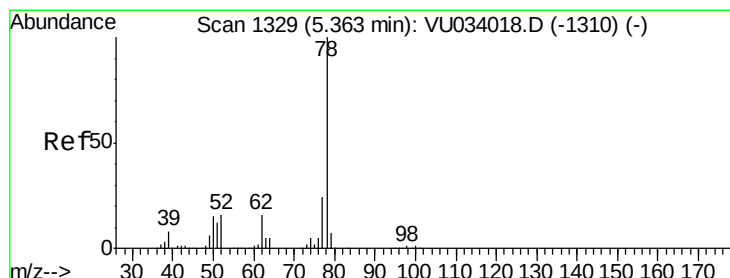
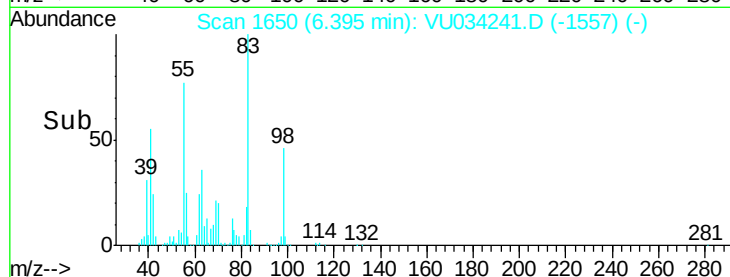
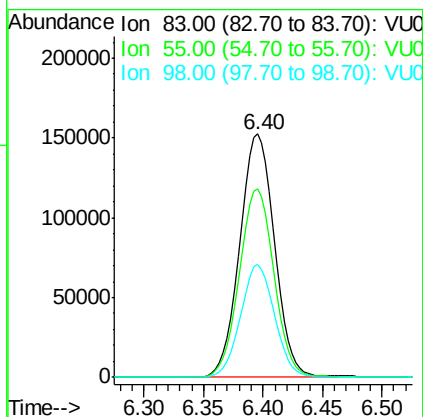
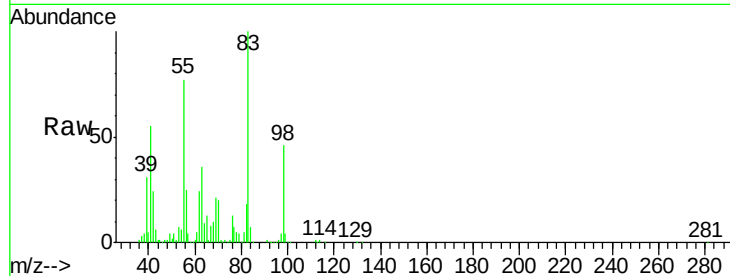
#39
Methylvlcyclohexane
Concen: 45.162 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.3	93.5
98	46.2	36.2	54.2

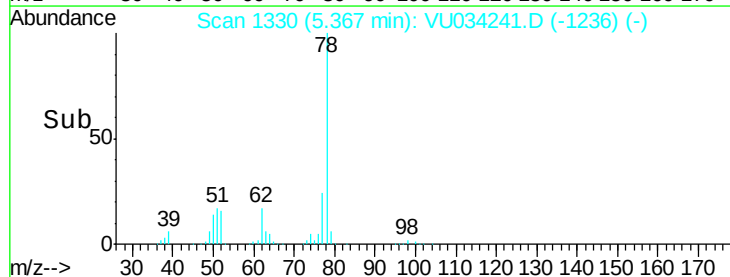
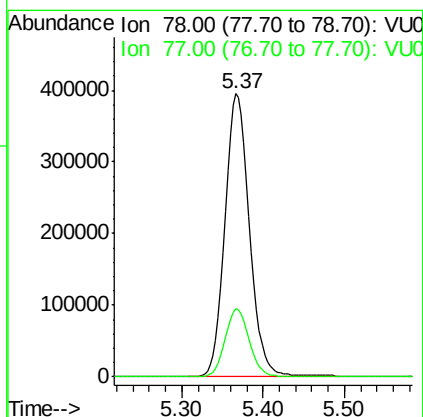
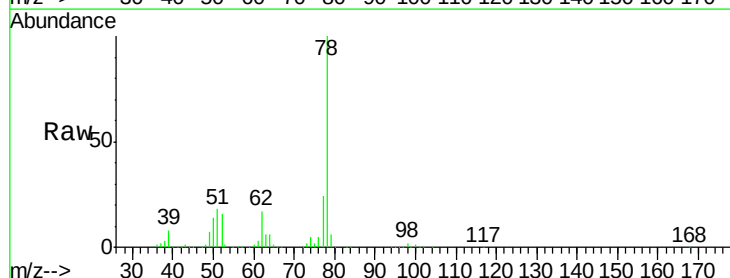
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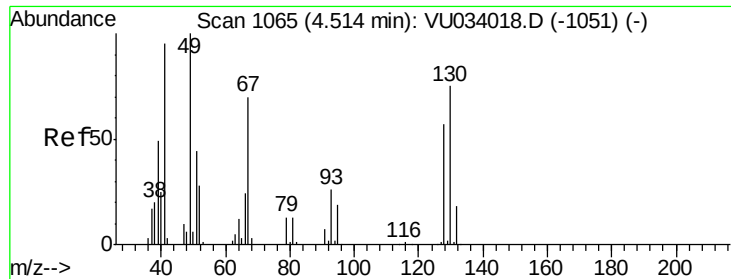
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9/4/2019 2:08:11 PM



#40
Benzene
Concen: 47.963 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





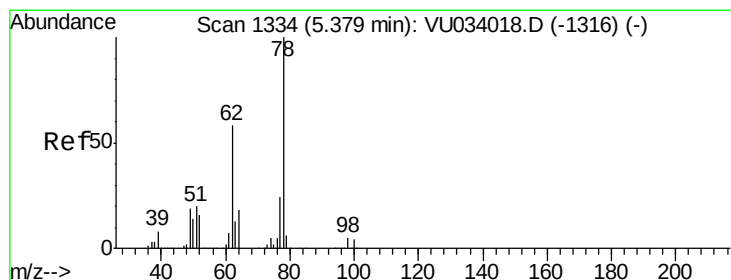
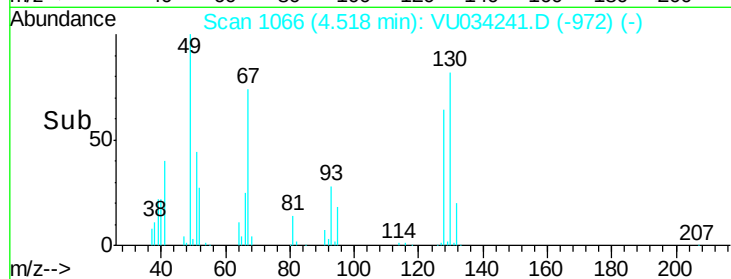
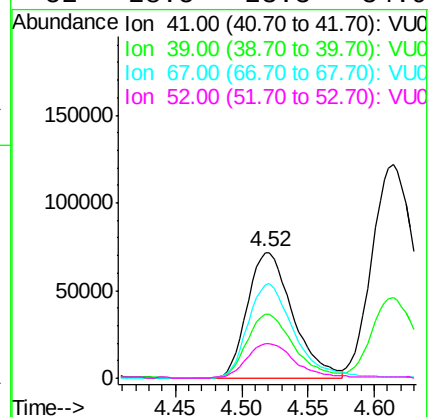
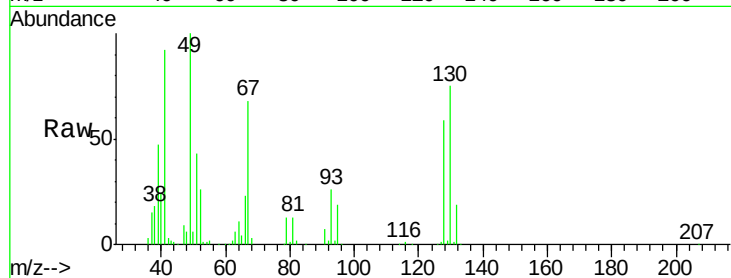
#41
Methacrylonitrile
Concen: 51.350 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.1	63.1	
67	77.9	61.0	91.4	
52	28.5	23.3	34.9	

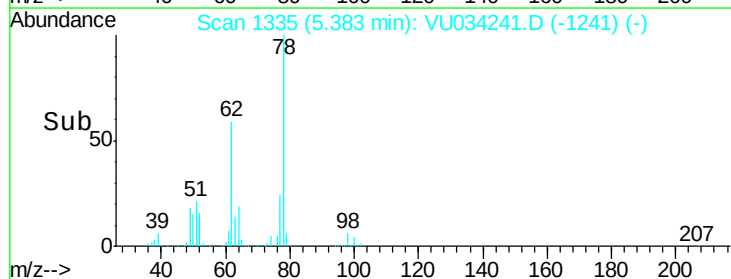
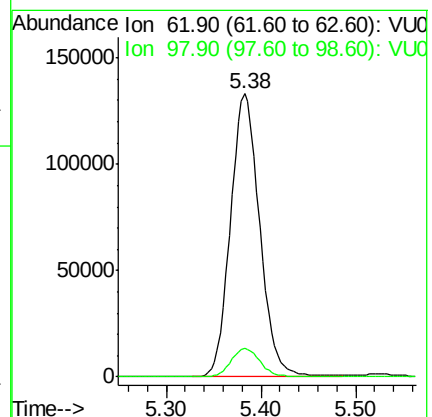
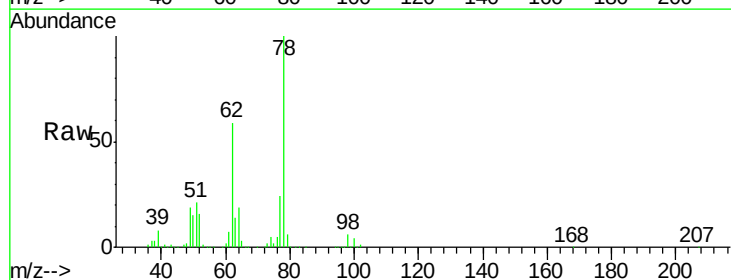
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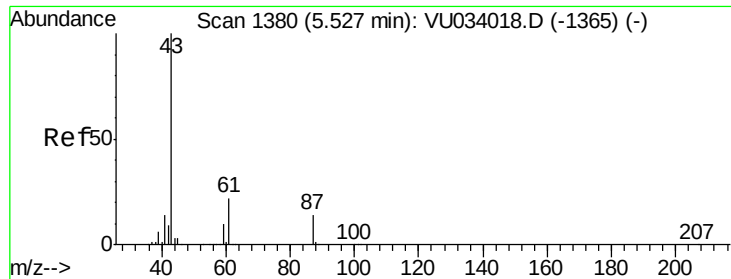
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9/4/2019 2:08:11 PM



#42
1,2-Dichloroethane
Concen: 47.225 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	18.2	





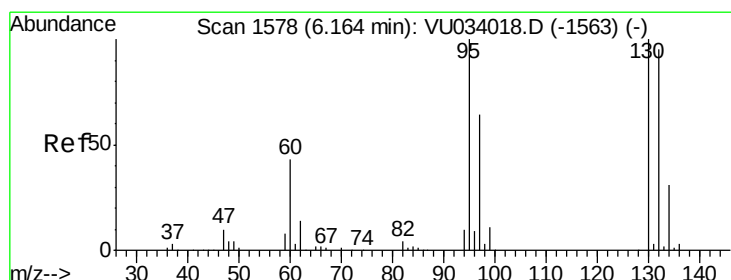
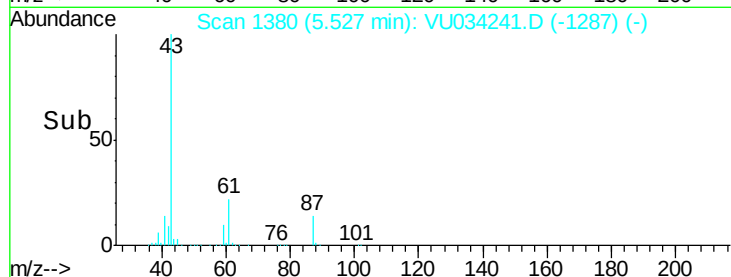
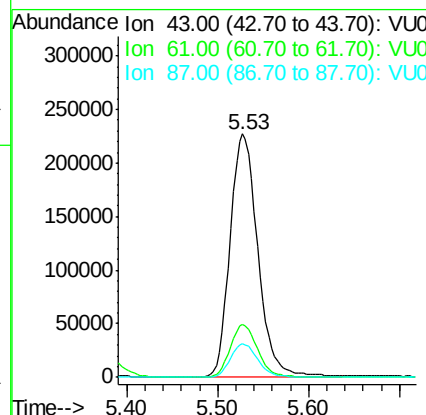
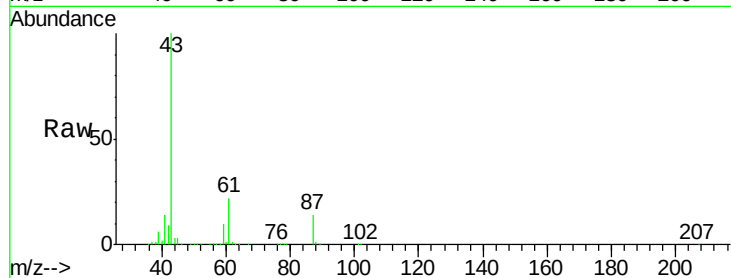
#43
Isopropyl Acetate
Concen: 48.480 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	480151
Ion Ratio	100	Lower	Upper
61	21.6	17.2	25.8
87	13.8	10.8	16.2

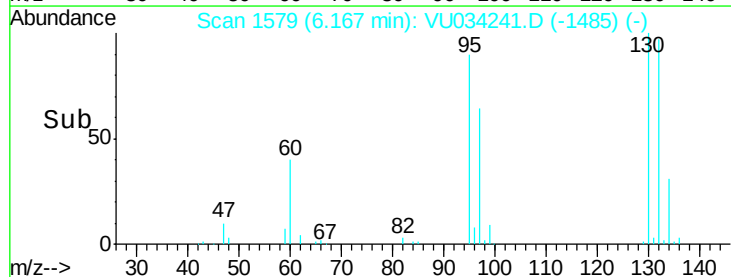
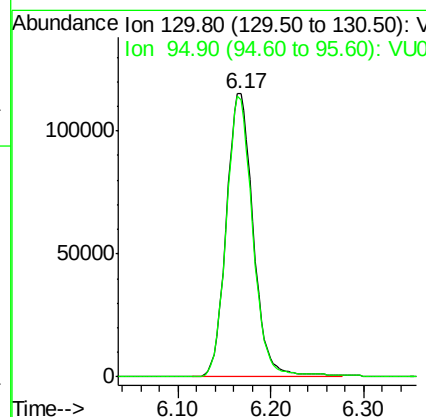
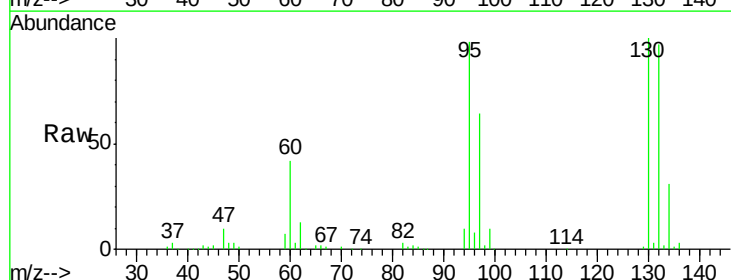
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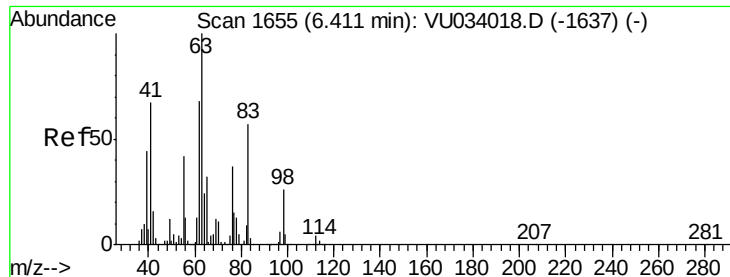
MMDadoda
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#44
Trichloroethene
Concen: 50.207 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	130	Resp	231896
Ion Ratio	100	Lower	Upper
95	97.8	0.0	199.6





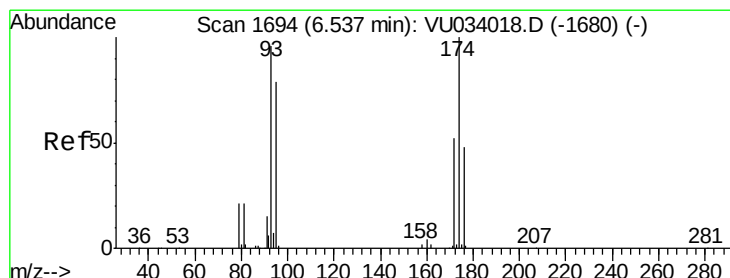
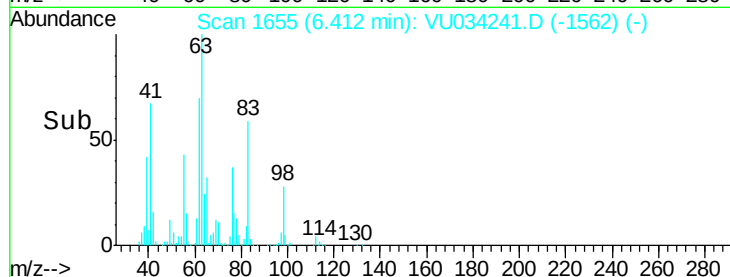
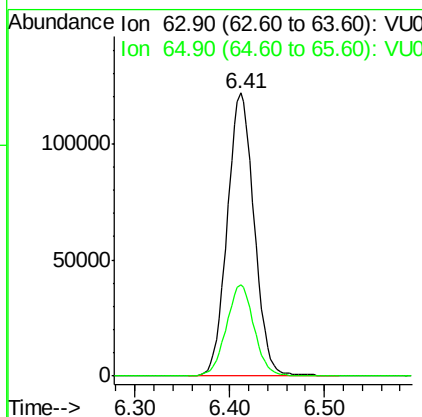
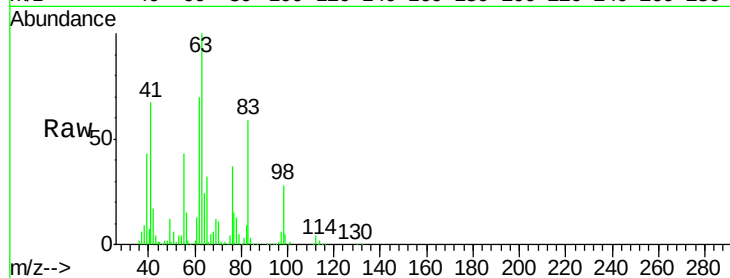
#45
 1,2-Dichloropropane
 Concen: 49.732 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.2

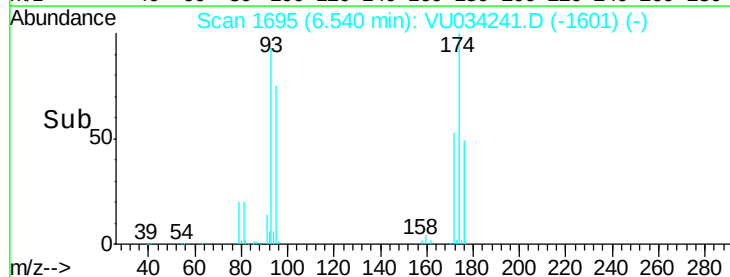
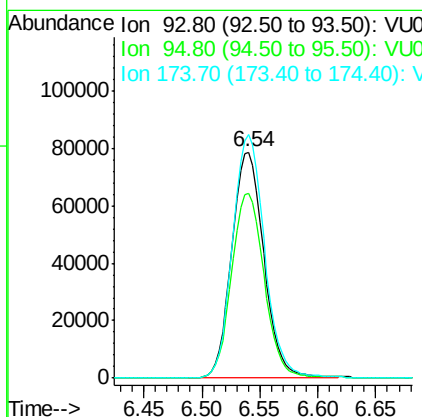
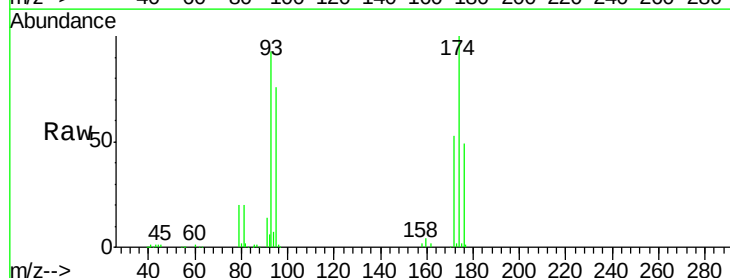
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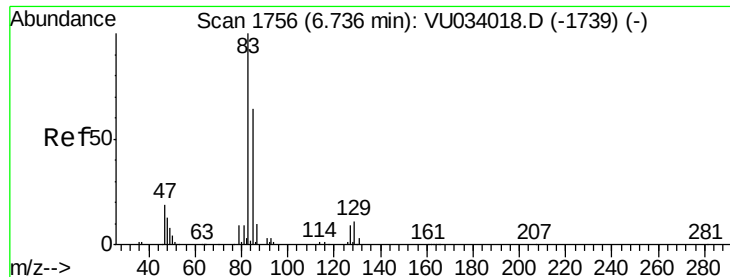
MMDadoda
 9/4/2019 2:08:11 PM



#46
 Dibromomethane
 Concen: 48.729 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	107.1	84.9	127.3





#47

Bromodichloromethane

Concen: 49.344 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

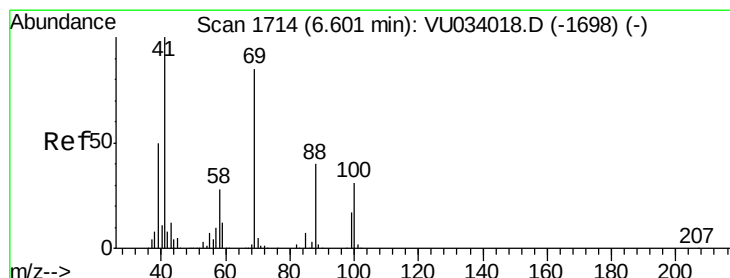
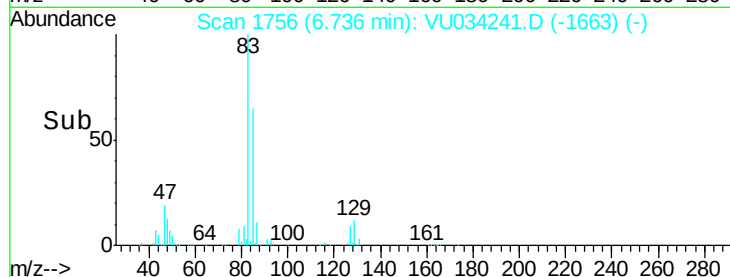
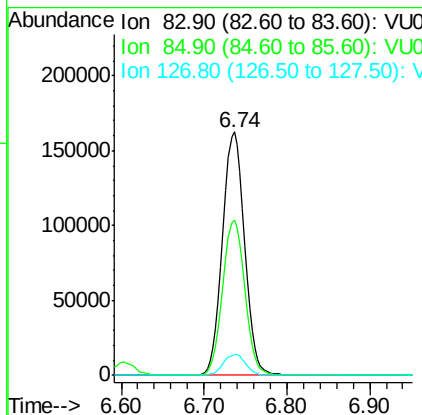
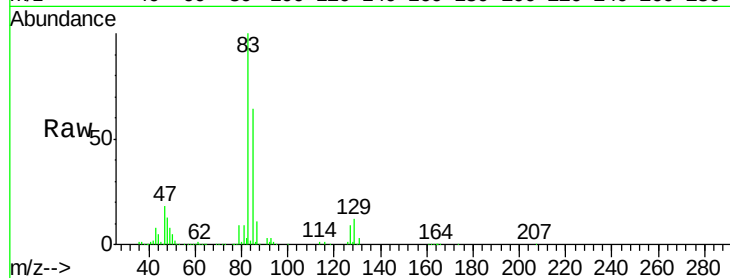
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	301143
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.2	76.8
127	8.5	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.354 ug/l

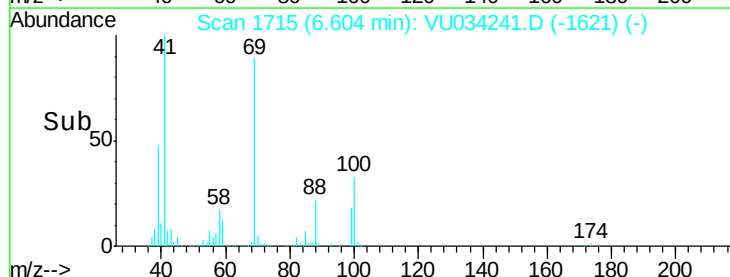
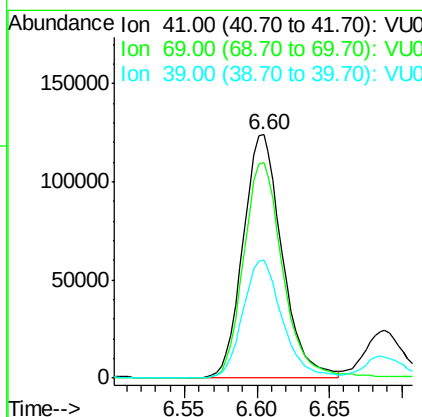
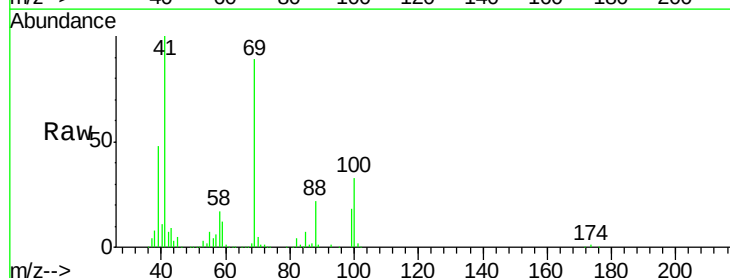
RT: 6.60 min Scan# 1715

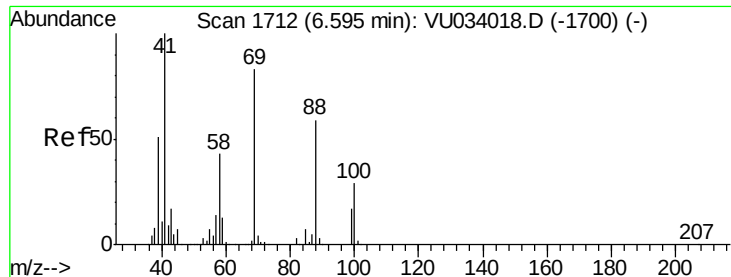
Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Tgt Ion:	41	Resp:	231091
Ion	Ratio	Lower	Upper
41	100		
69	90.2	69.5	104.3
39	48.6	40.3	60.5





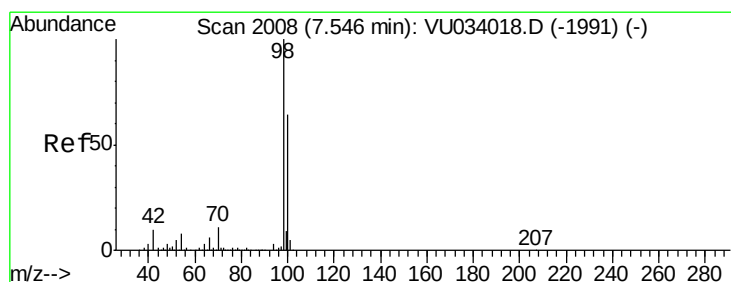
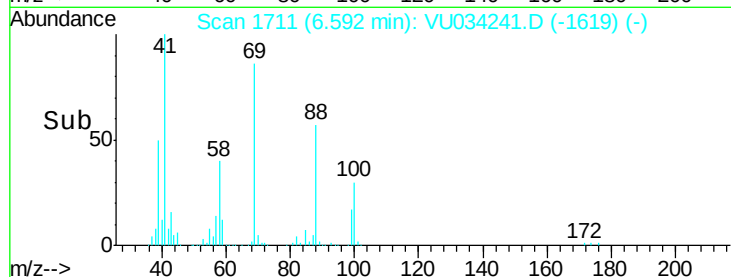
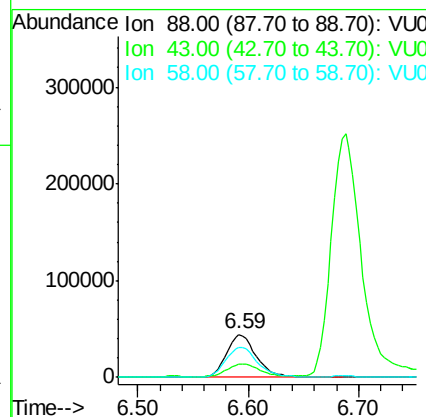
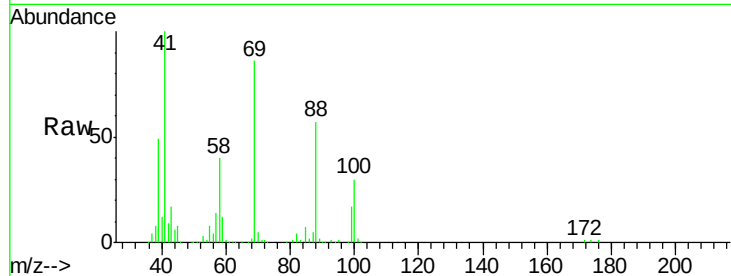
#49
1,4-Dioxane
Concen: 681.946 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.9	24.8	37.2	
58	76.3	59.3	88.9	

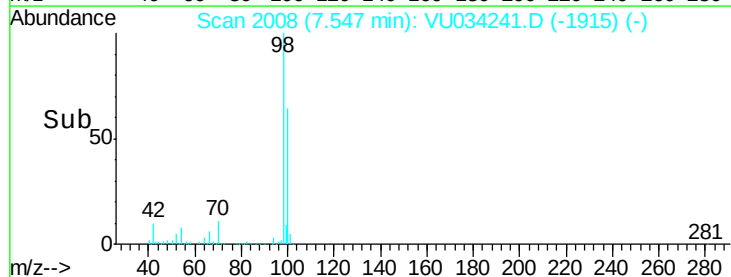
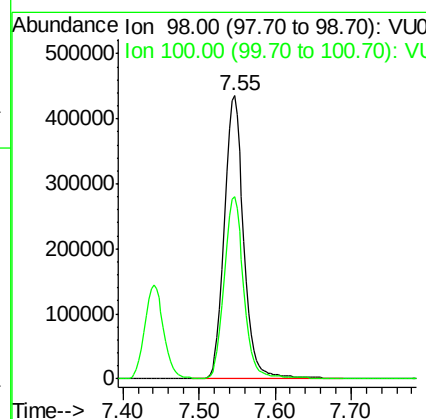
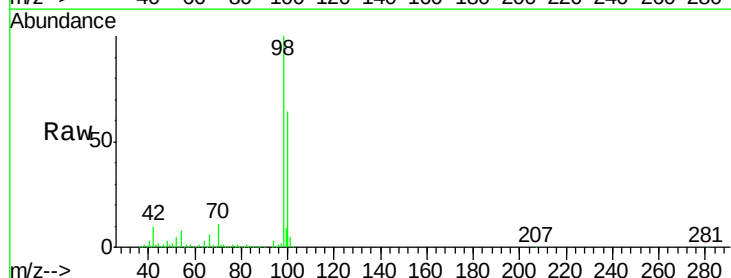
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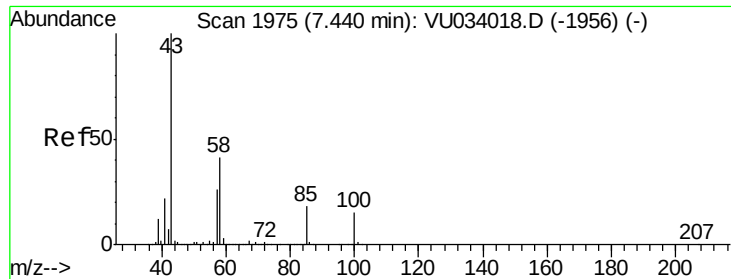
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9/4/2019 2:08:11 PM



#50
Toluene-d8
Concen: 48.462 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.5	50.3	75.5	





#51

4-Methyl-2-Pentanone

Concen: 239.042 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1634996

Ion Ratio Lower Upper

43 100

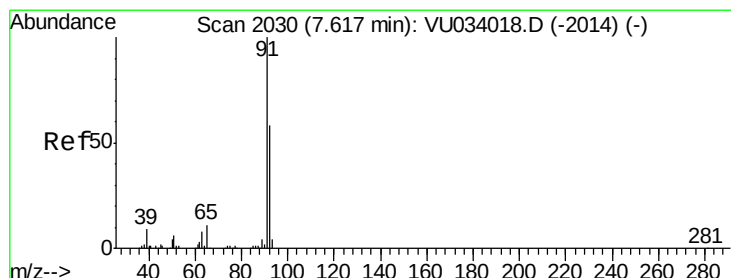
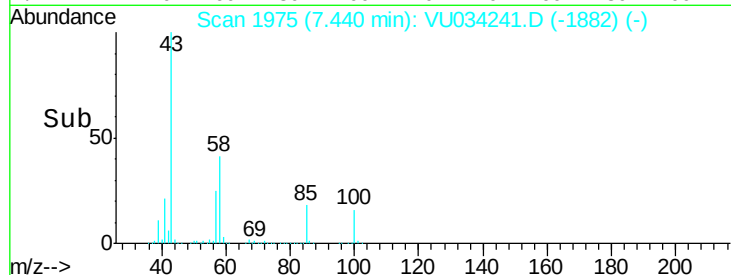
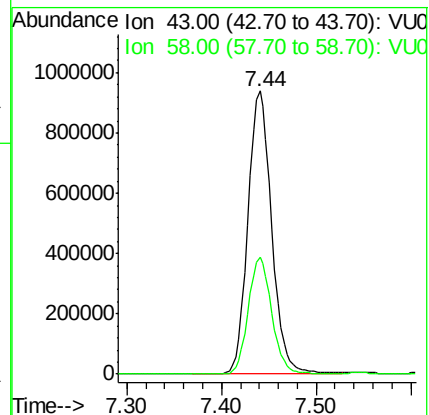
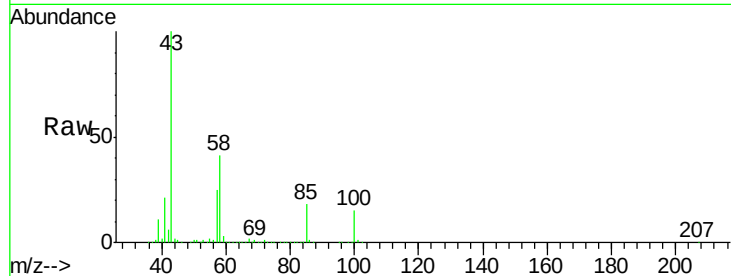
58 41.0 32.2 48.4

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9/4/2019 2:08:11 PM



#52

Toluene

Concen: 49.533 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034241.D

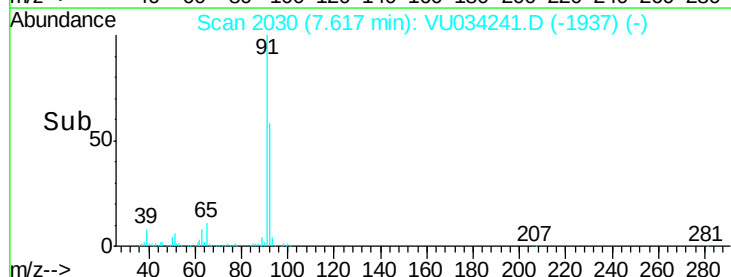
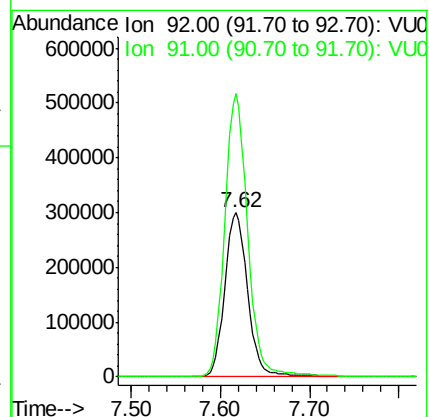
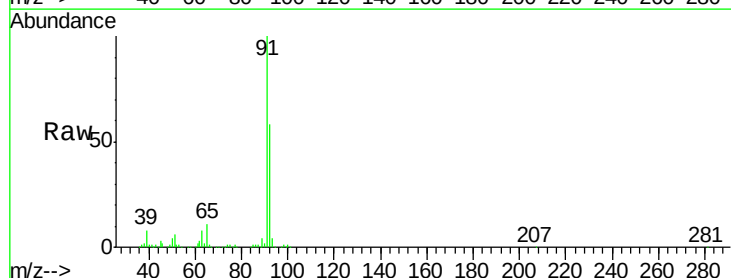
Acq: 03 Sep 2019 20:51

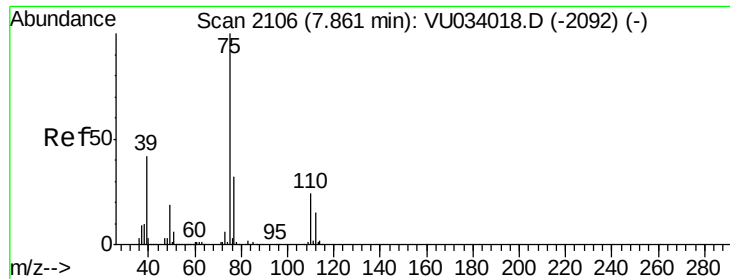
Tgt Ion: 92 Resp: 536693

Ion Ratio Lower Upper

92 100

91 172.6 138.3 207.5





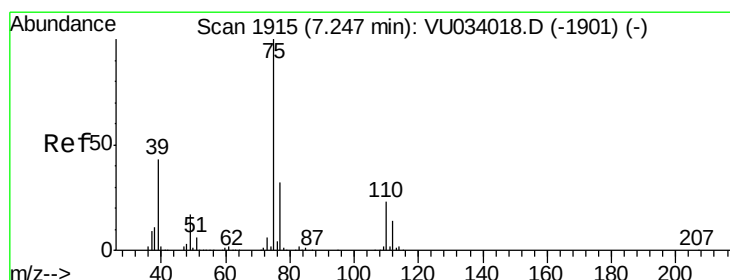
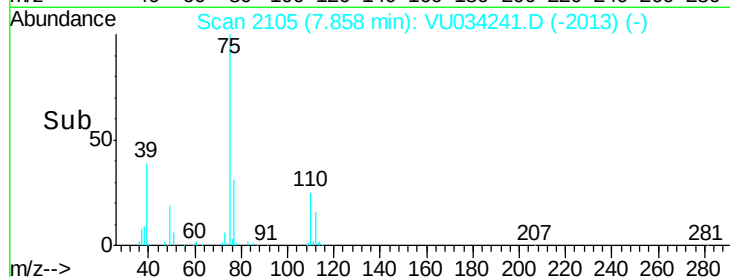
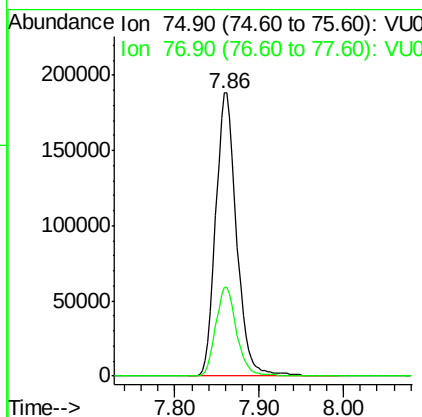
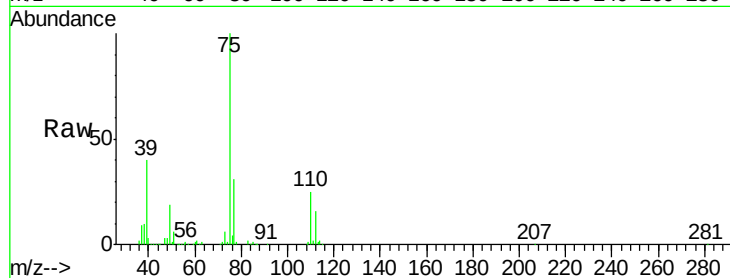
#53
t-1,3-Dichloropropene
Concen: 47.997 ug/l
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0

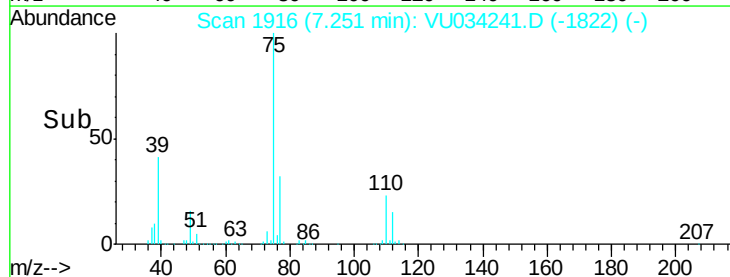
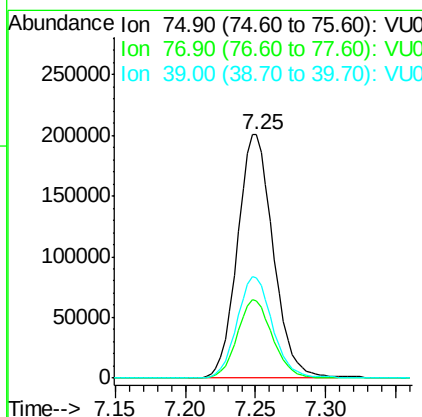
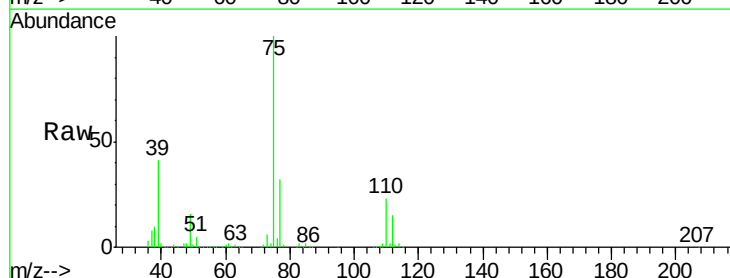
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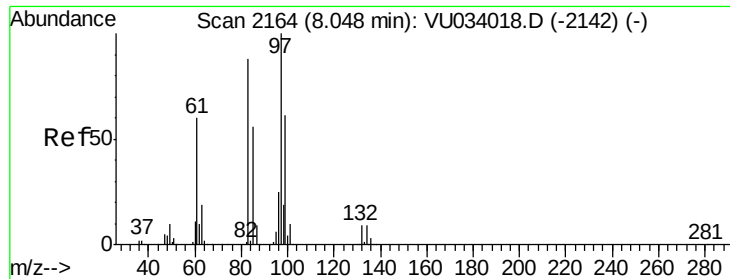
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.187 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	41.1	34.6	51.8





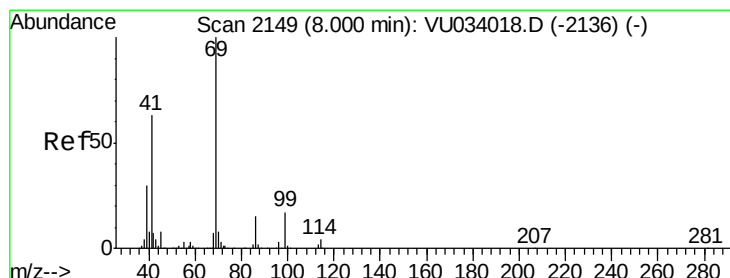
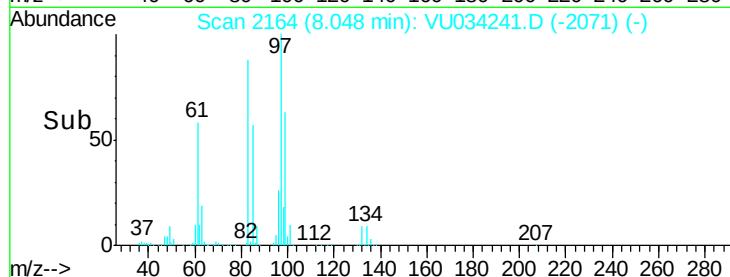
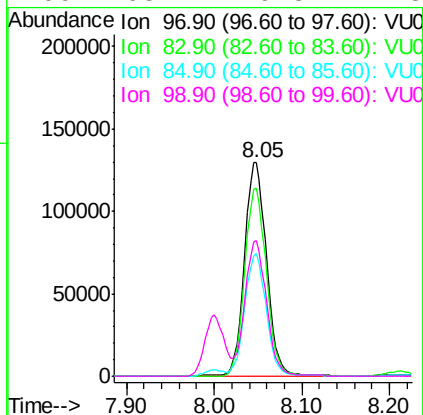
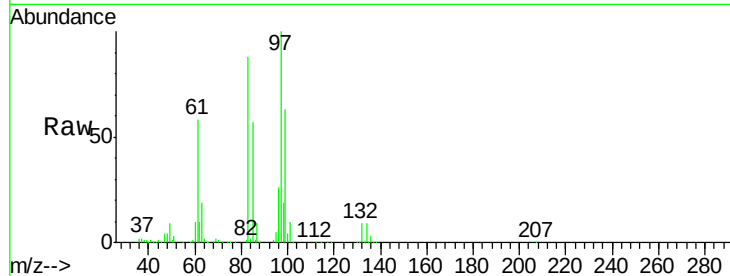
#55
 1,1,2-Trichloroethane
 Concen: 49.810 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	228288
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.1	105.1
85	57.3	45.0	67.4
99	63.1	49.8	74.8

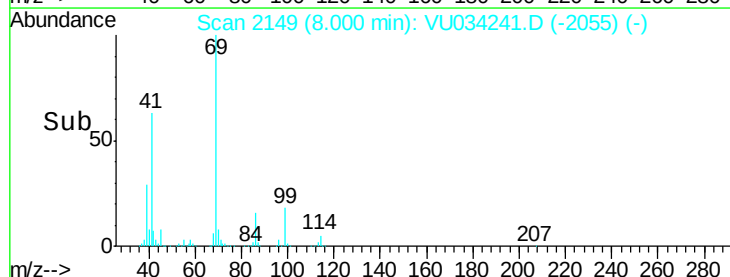
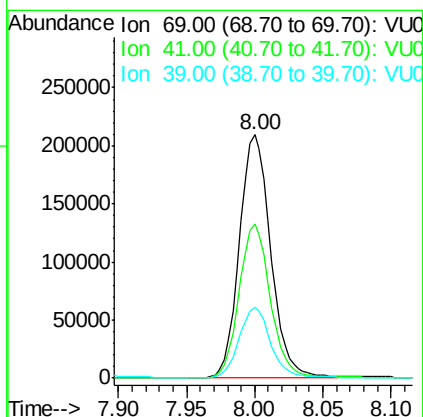
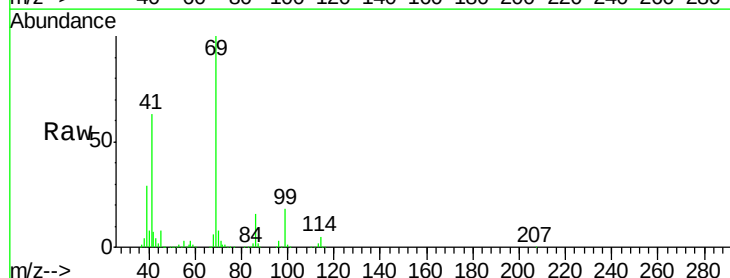
Manual Integrations
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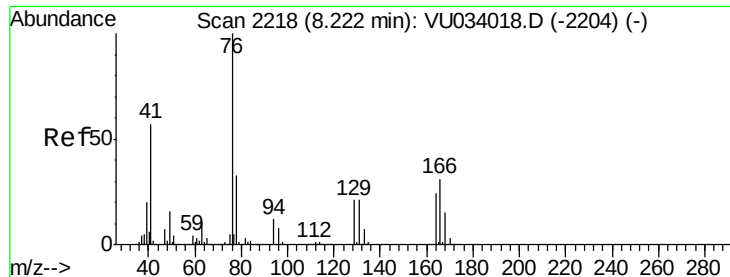
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#56
 Ethyl methacrylate
 Concen: 44.178 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion:	69	Resp:	334976
Ion	Ratio	Lower	Upper
69	100		
41	63.6	50.7	76.1
39	29.0	24.2	36.2





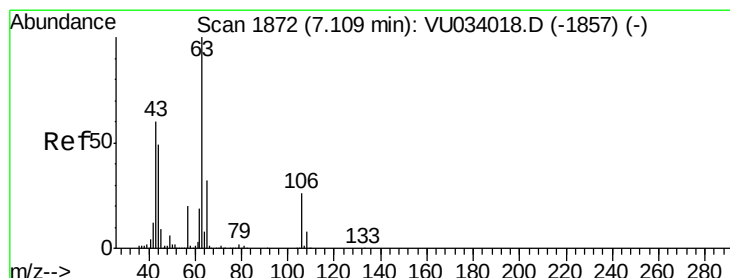
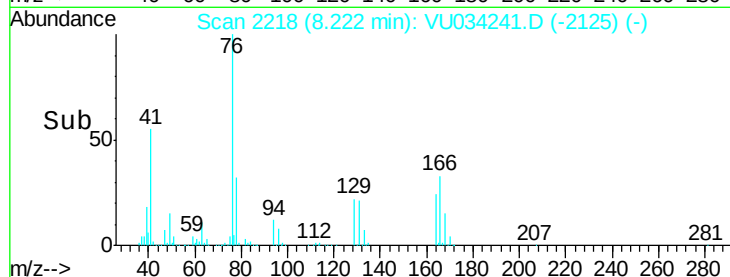
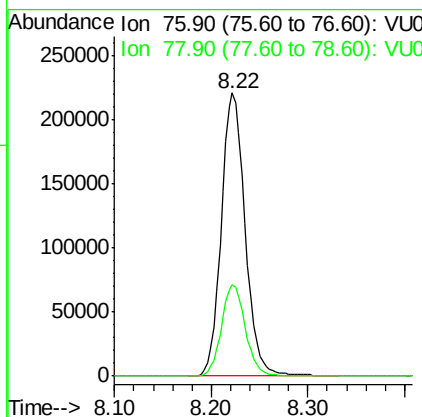
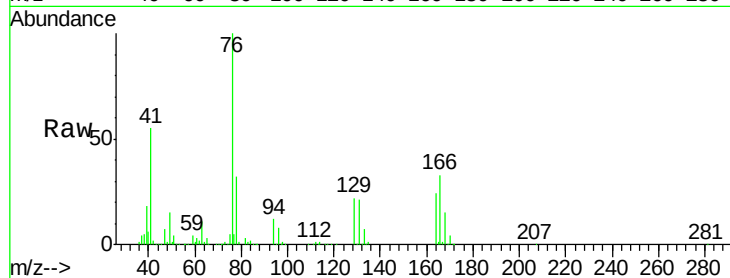
#57
 1,3-Dichloropropane
 Concen: 48.538 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

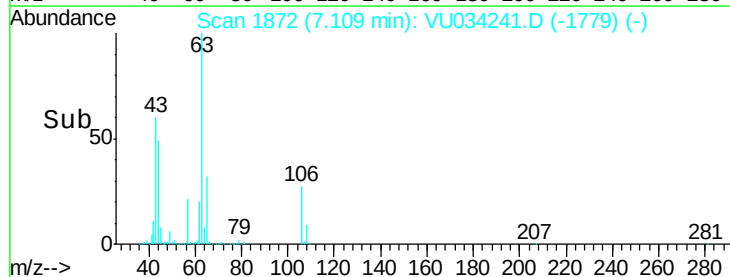
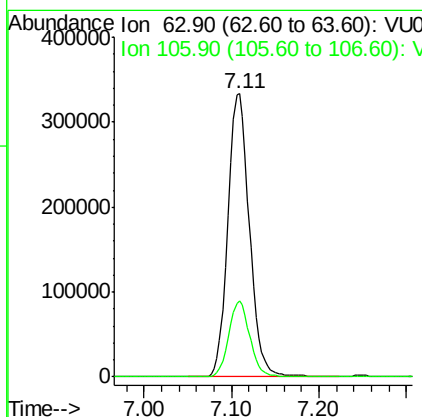
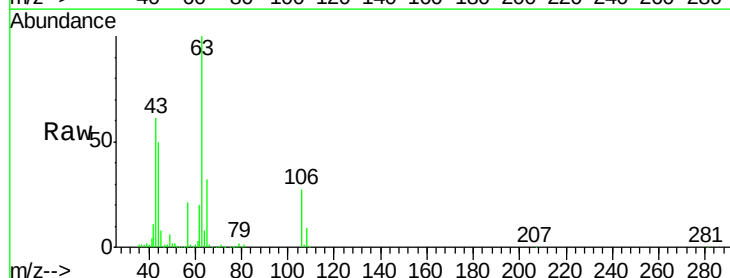
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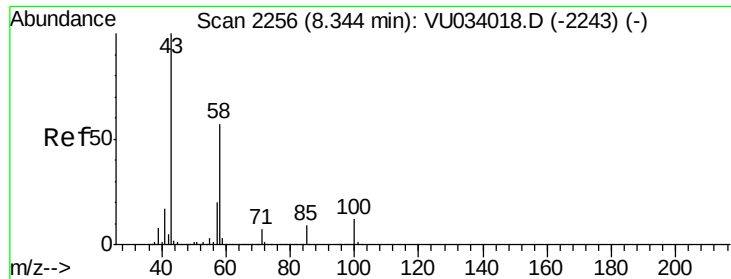
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 9/4/2019 2:08:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.647 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	20.7	31.1





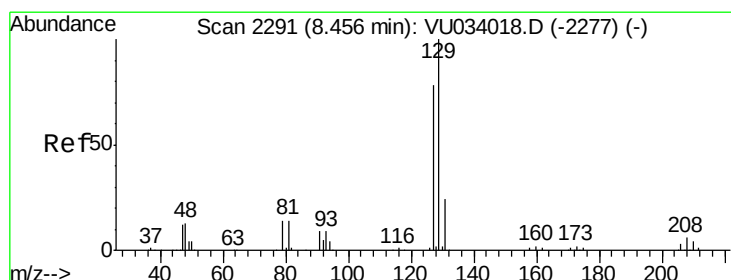
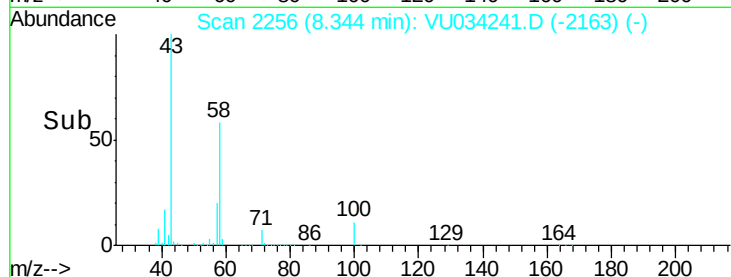
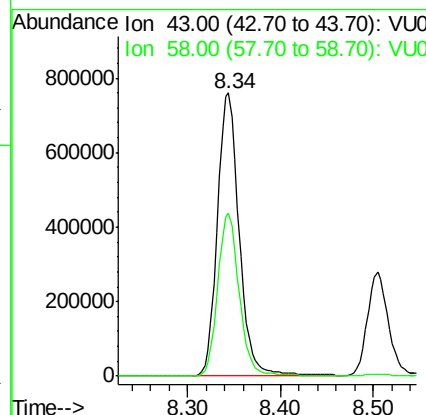
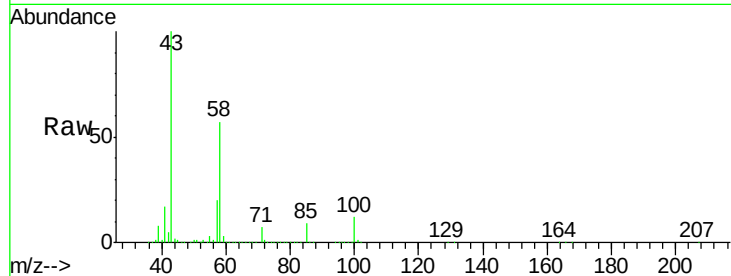
#59
2-Hexanone
Concen: 238.764 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1232836
Ion Ratio Lower Upper
43 100
58 57.4 28.4 85.3

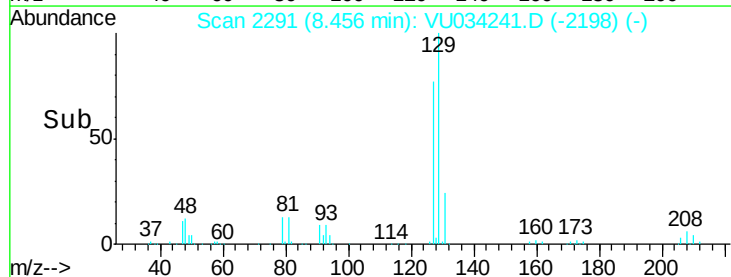
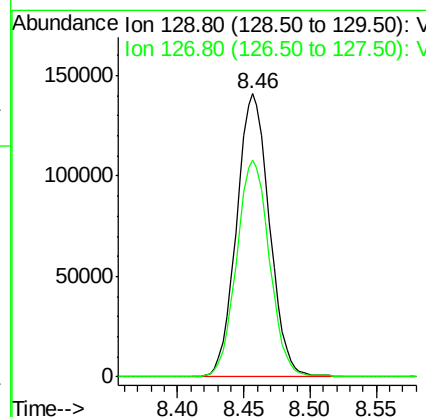
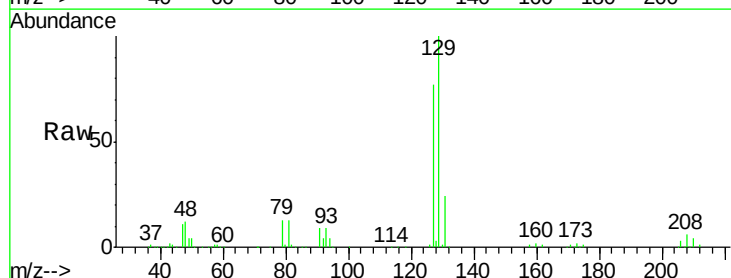
Manual Integrations
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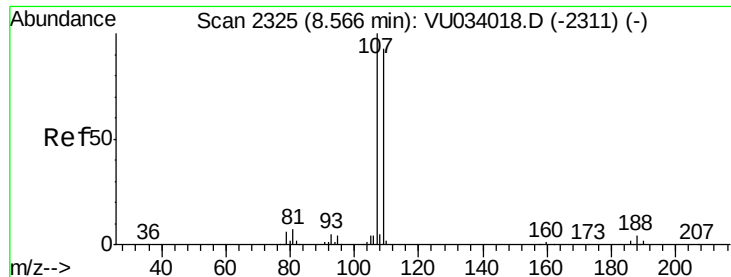
MMDadoda
9/4/2019 2:08:11 PM



#60
Dibromochloromethane
Concen: 49.392 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion: 129 Resp: 242993
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 47.289 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 228306

Ion Ratio Lower Upper

107 100

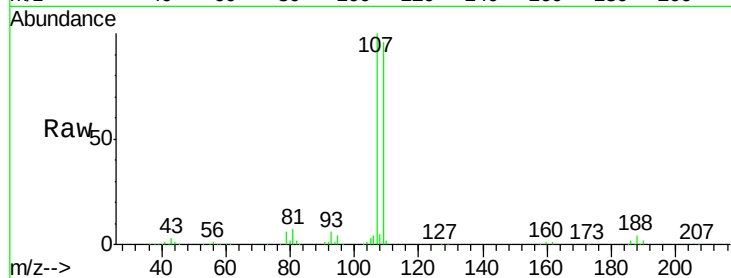
109 95.7 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

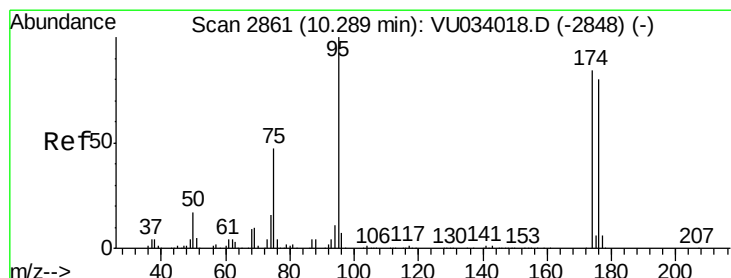
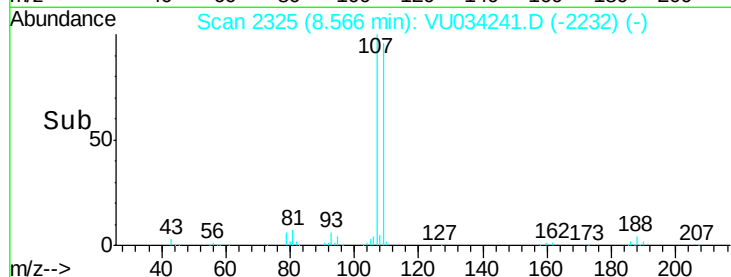
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.115 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

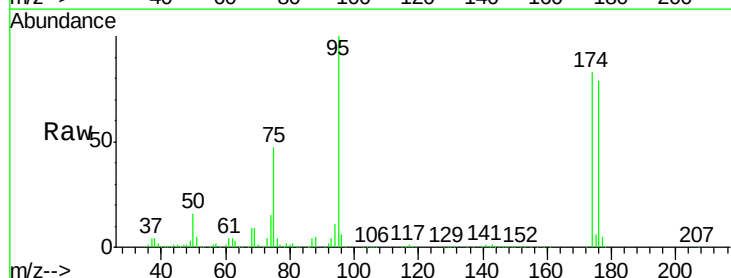
Tgt Ion: 95 Resp: 298746

Ion Ratio Lower Upper

95 100

174 85.4 0.0 168.8

176 82.6 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

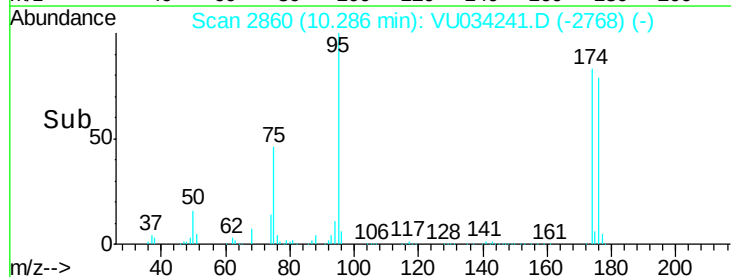
150000

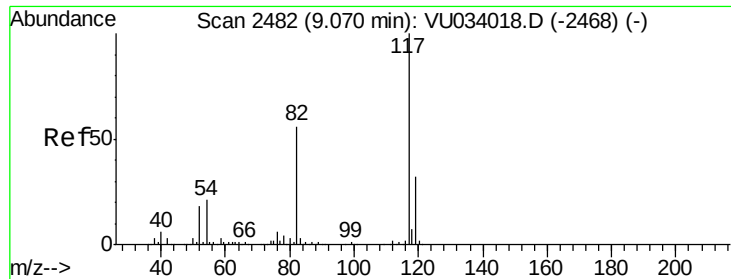
100000

50000

0

Time-->





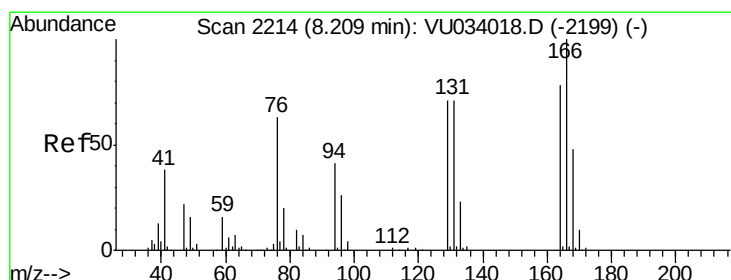
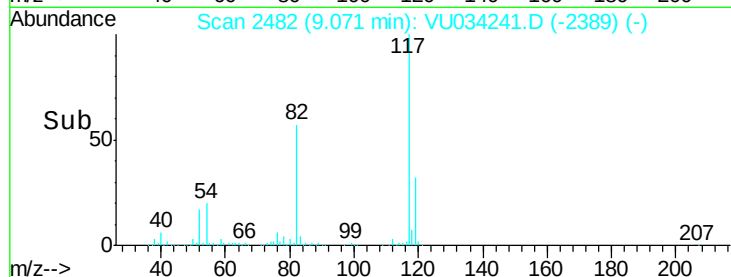
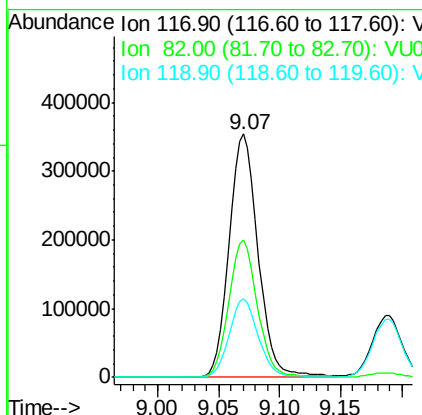
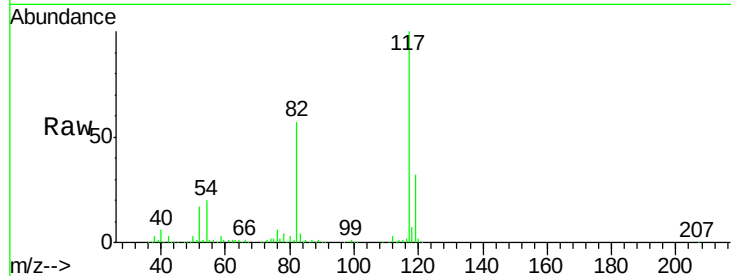
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	589148		
82	56.5	45.1	67.7	
119	32.3	25.4	38.0	

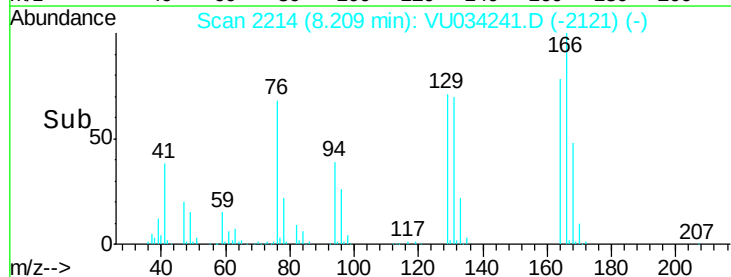
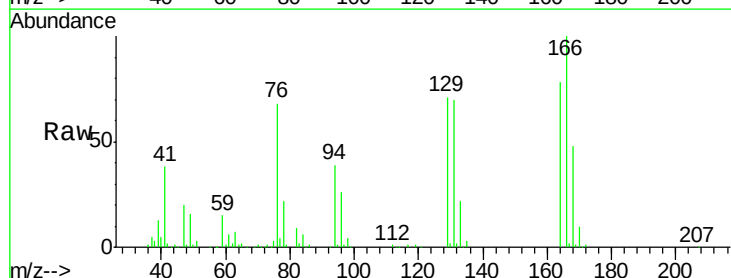
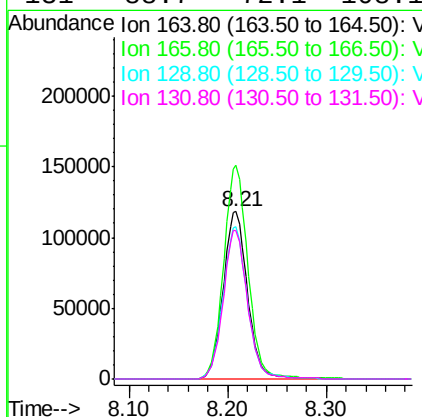
Manual Integrations
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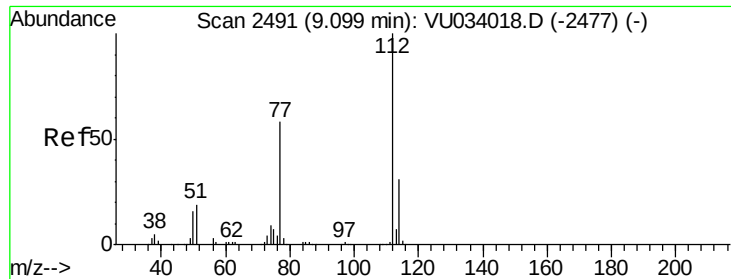
MMDadoda
9/4/2019 2:08:11 PM



#64
Tetrachloroethene
Concen: 52.024 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	205834		
166	127.4	102.2	153.2	
129	90.5	72.4	108.6	
131	88.7	72.1	108.1	





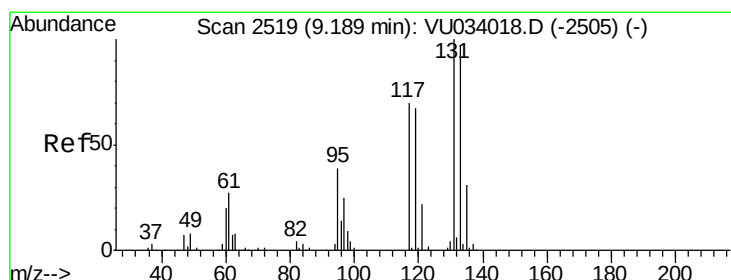
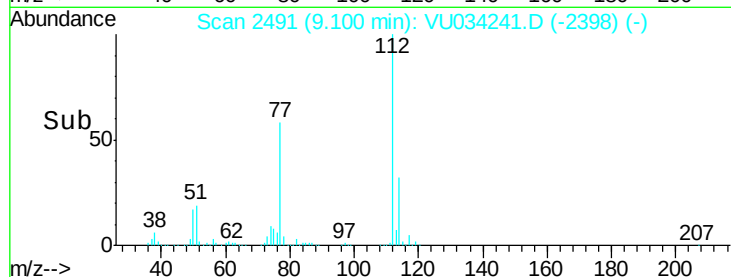
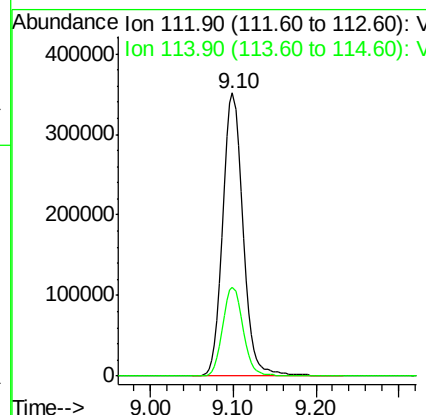
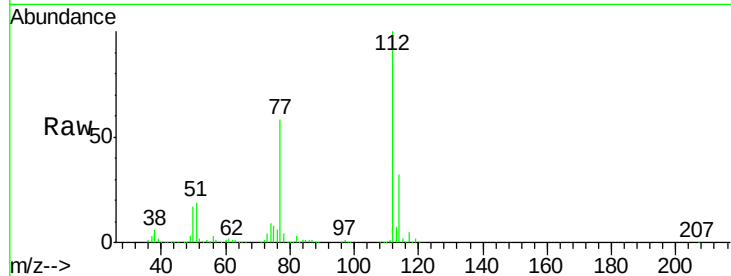
#65
Chlorobenzene
Concen: 48.996 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.4

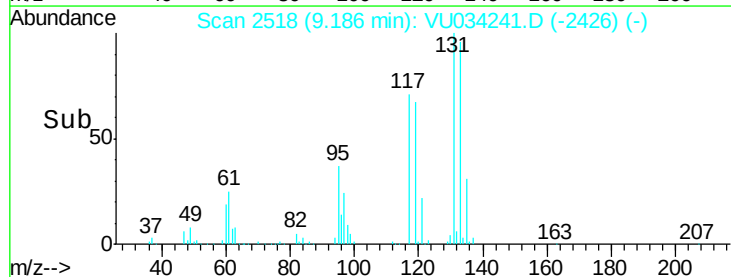
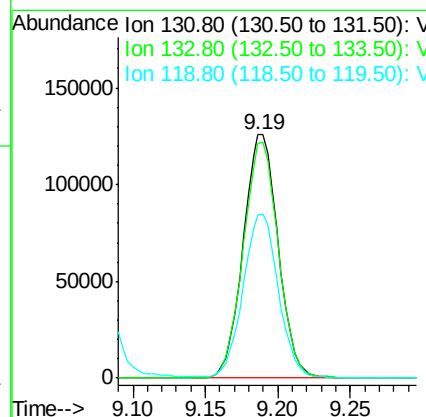
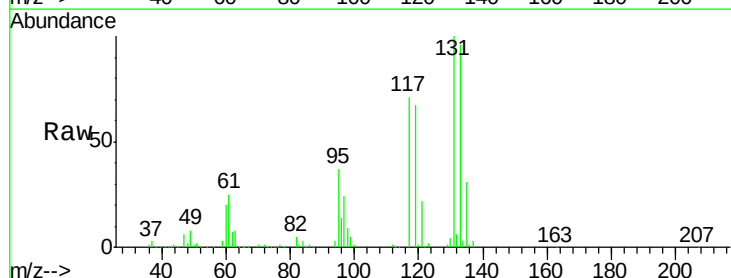
Manual Integrations
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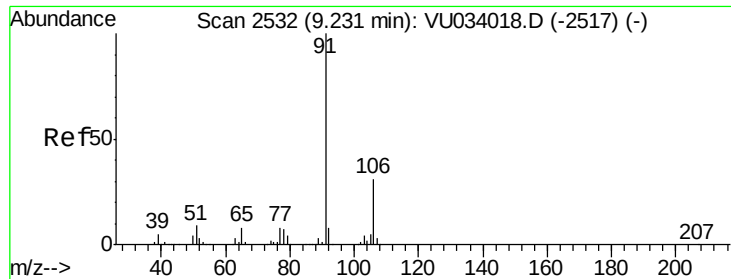
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.990 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	48.4	145.2
119	68.3	33.6	100.6





#67

Ethyl Benzene

Concen: 49.684 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Tot Ion: 91 Resp: 1021107

Ion Ratio Lower Upper

91 100

106 31.8 24.9 37.3

Instrument :

MSVOA_U

ClientSampleId :

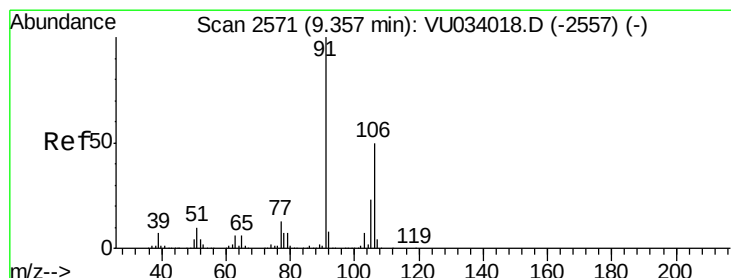
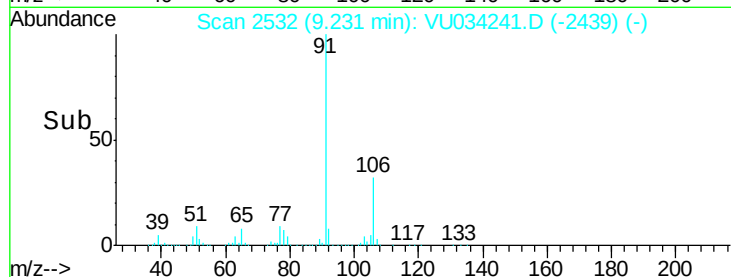
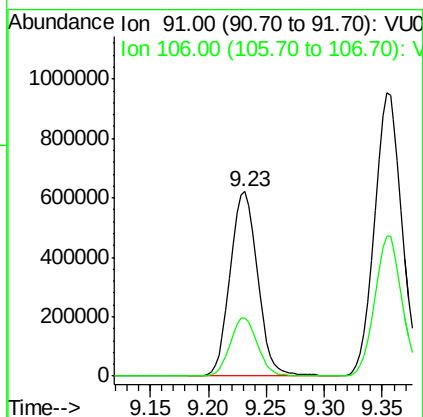
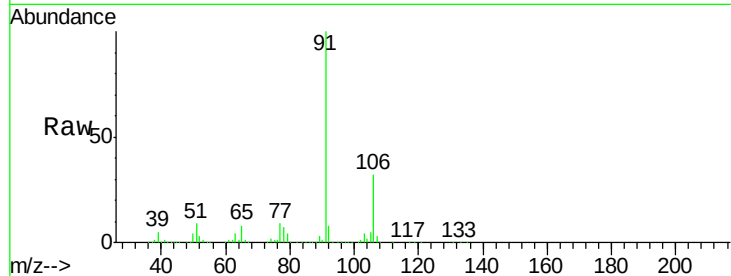
VSTDCCC050EC

Manual Integrations

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9/4/2019 2:08:11 PM



#68

m/p-Xylenes

Concen: 100.926 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034241.D

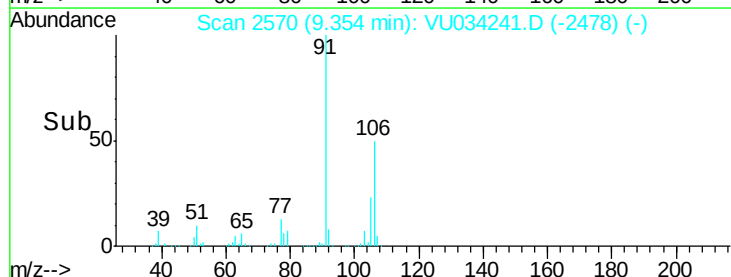
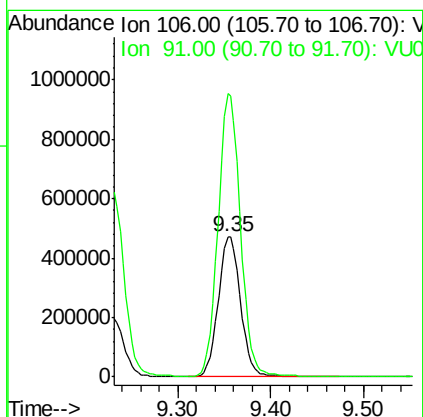
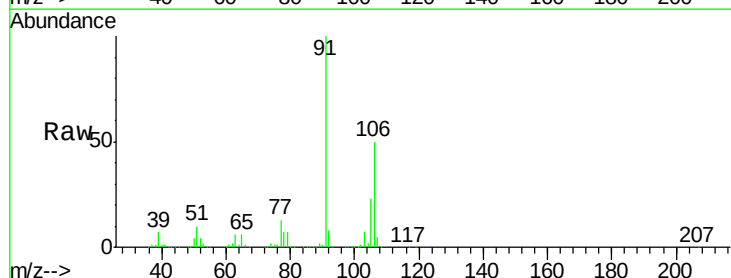
Acq: 03 Sep 2019 20:51

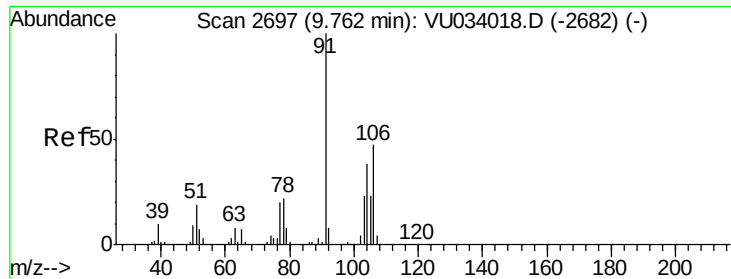
Tgt Ion: 106 Resp: 788704

Ion Ratio Lower Upper

106 100

91 201.7 161.6 242.4





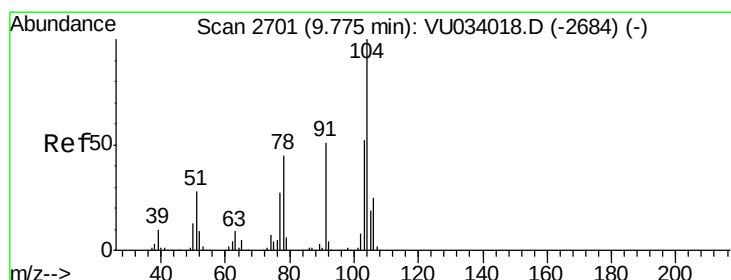
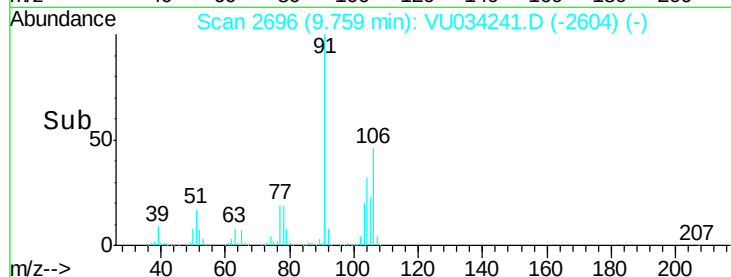
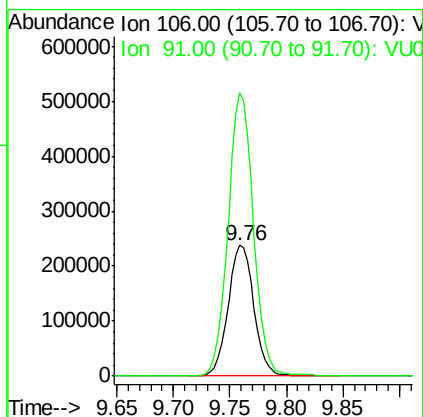
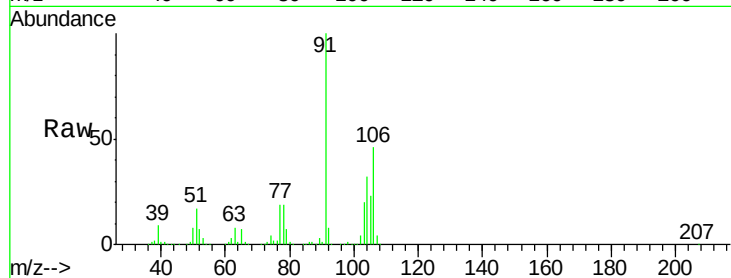
#69
o-Xylene
Concen: 50.491 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.1	106.0	318.0

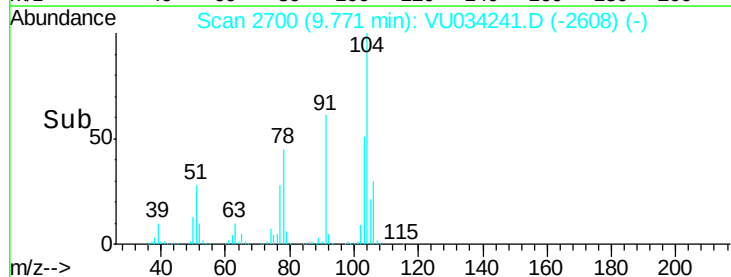
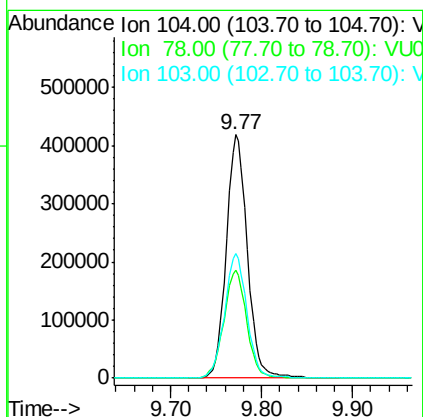
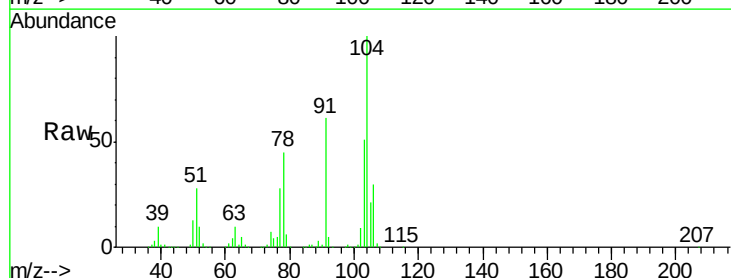
Manual Integrations
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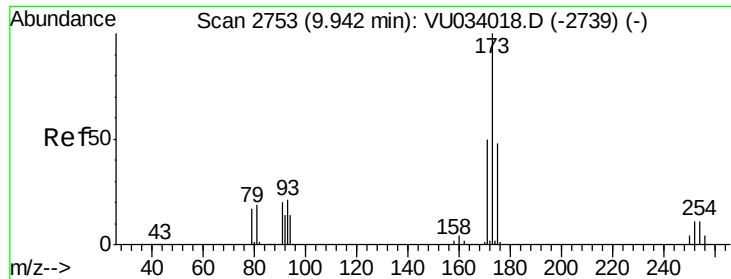
MMDadoda
9/4/2019 2:08:11 PM



#70
Styrene
Concen: 52.439 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.0	58.4
103	54.6	44.0	66.0





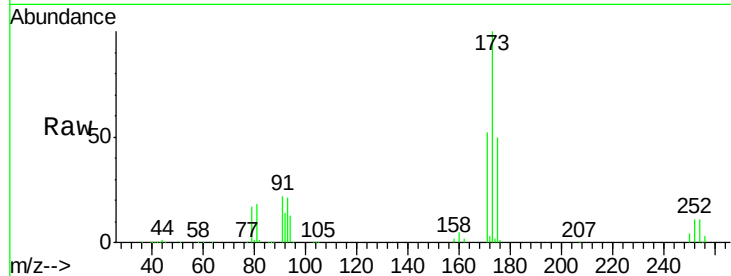
#71
Bromoform
Concen: 48.081 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.1	0.0	0.0#

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9/4/2019 2:08:11 PM

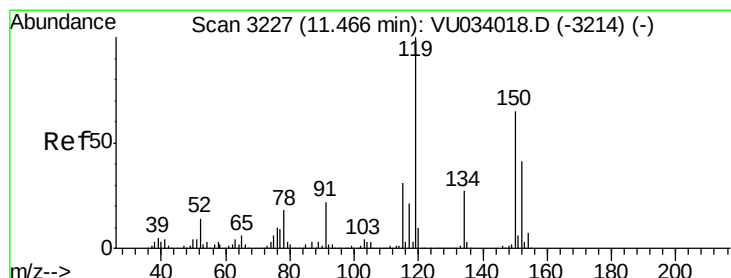
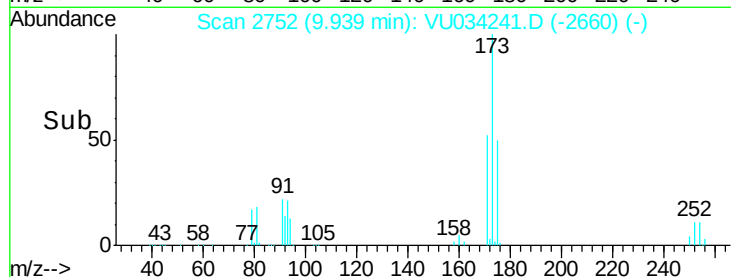
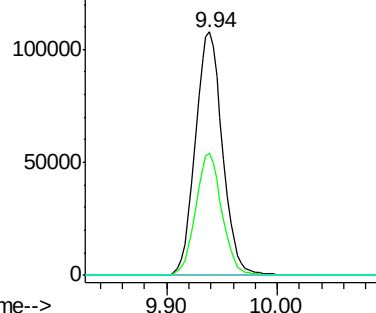


Abundance

Ion 172.70 (172.40 to 173.40): V

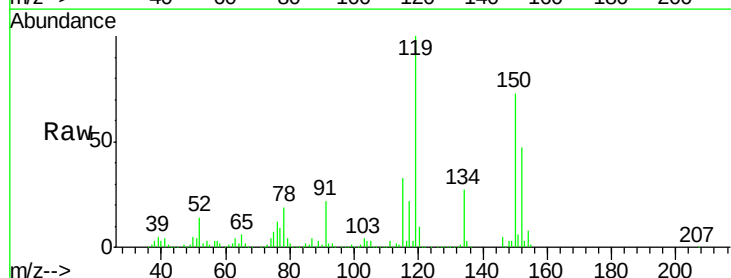
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.0	41.1	123.3
150	170.0	0.0	348.8

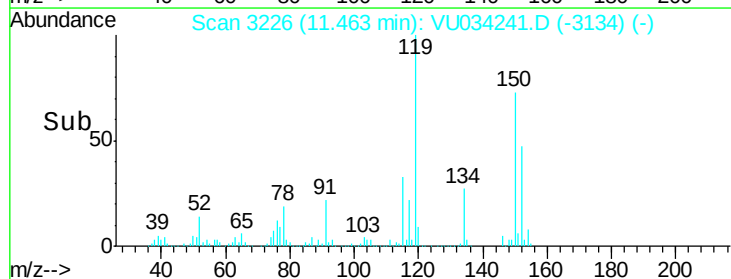
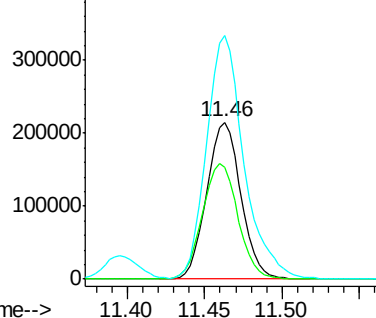


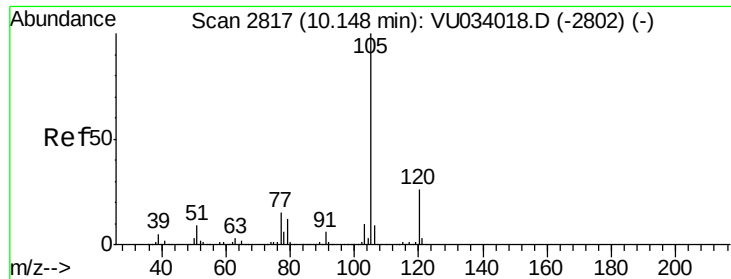
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.332 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1025352

Ion Ratio Lower Upper

105 100

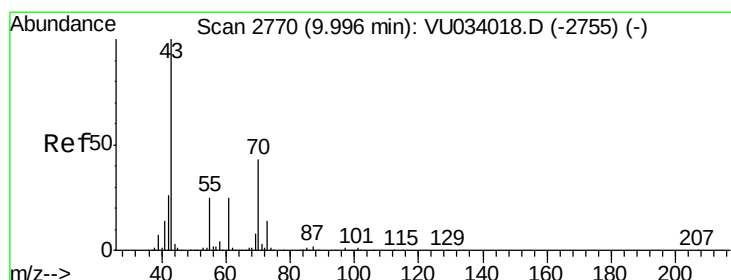
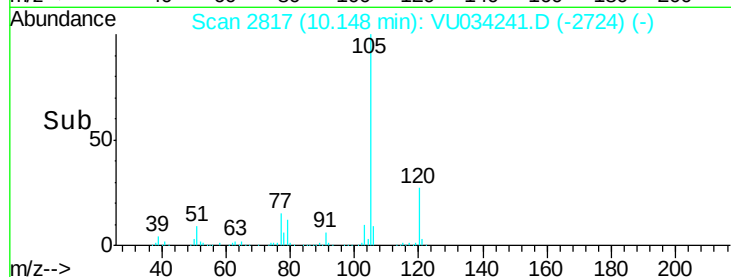
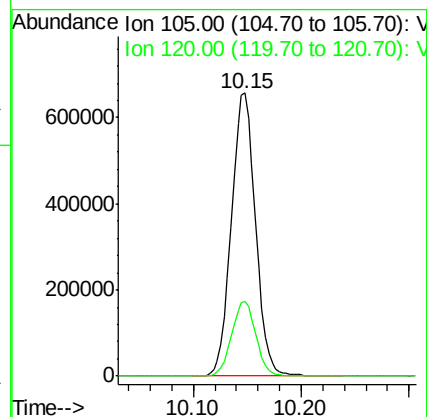
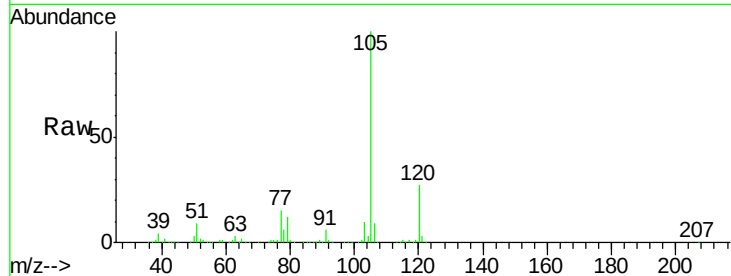
120 26.6 13.3 39.8

Manual Integrations

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9/4/2019 2:08:11 PM



#74

N-ethyl acetate

Concen: 46.767 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Tgt Ion: 43 Resp: 435301

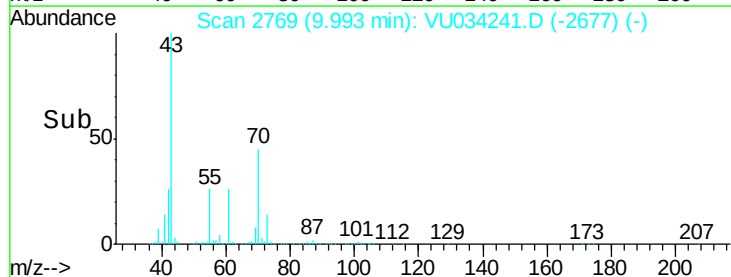
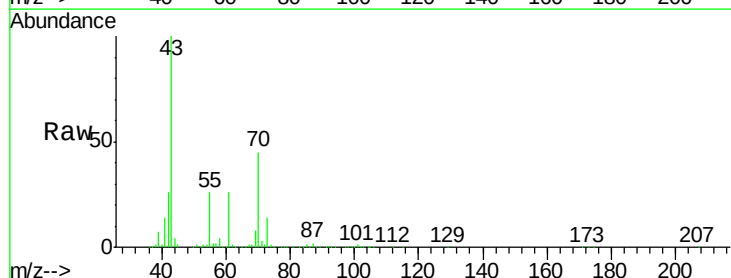
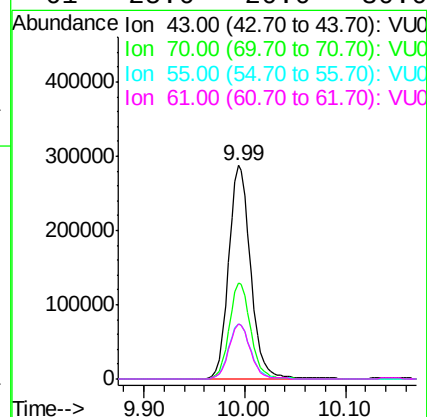
Ion Ratio Lower Upper

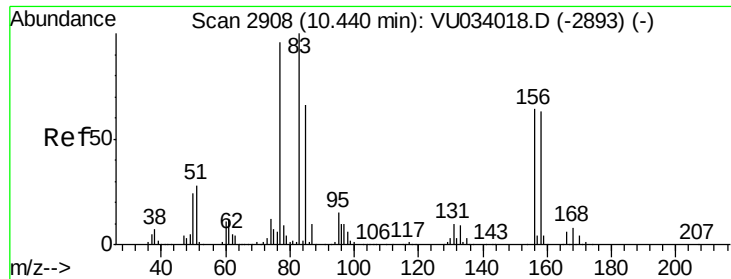
43 100

70 44.4 35.2 52.8

55 26.5 20.5 30.7

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.529 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

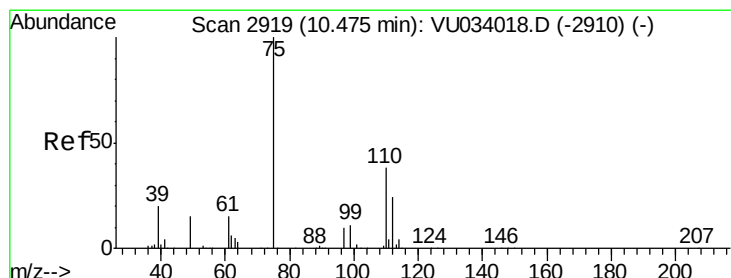
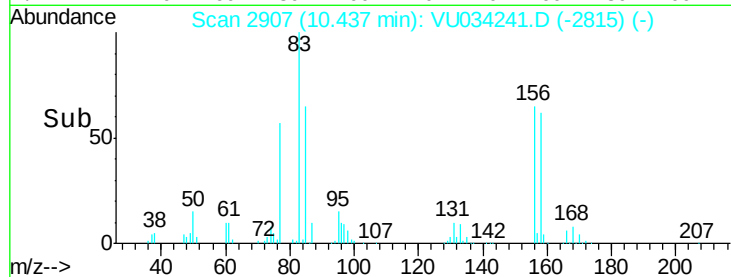
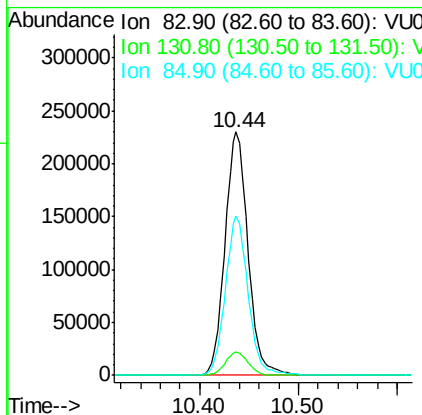
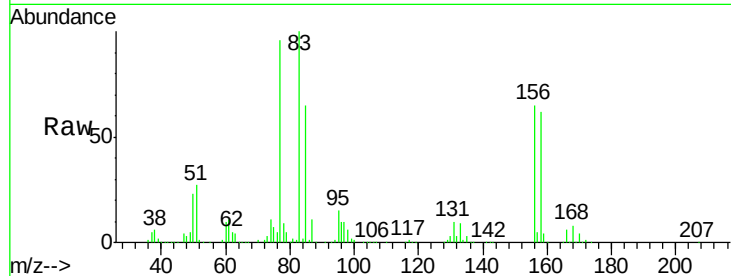
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	377180
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	64.7	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.515 ug/l m

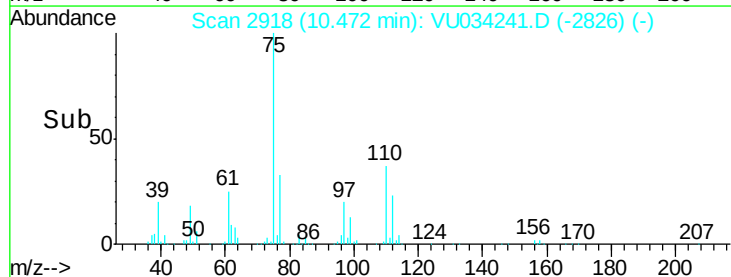
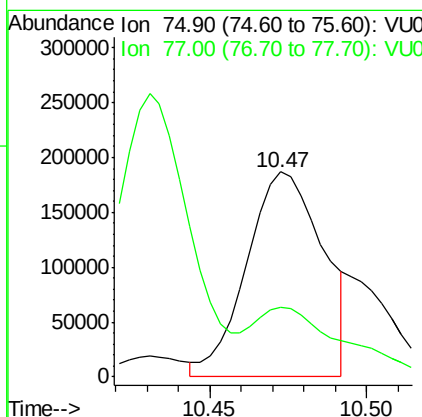
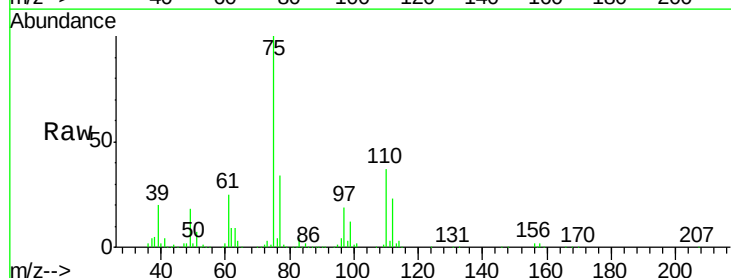
RT: 10.47 min Scan# 2918

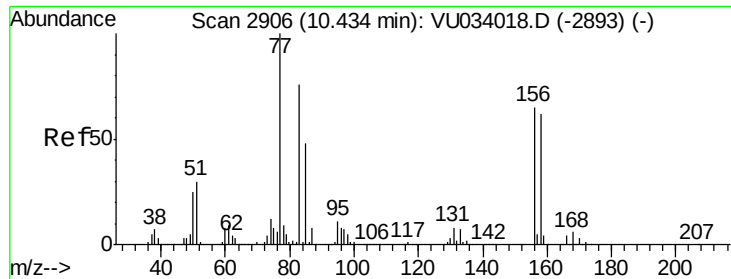
Delta R.T. -0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Tgt Ion:	75	Resp:	315709
Ion Ratio	Lower	Upper	
75	100		
77	40.5	20.1	60.2





#77

Bromobenzene

Concen: 45.896 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 273229

Ion Ratio Lower Upper

156 100

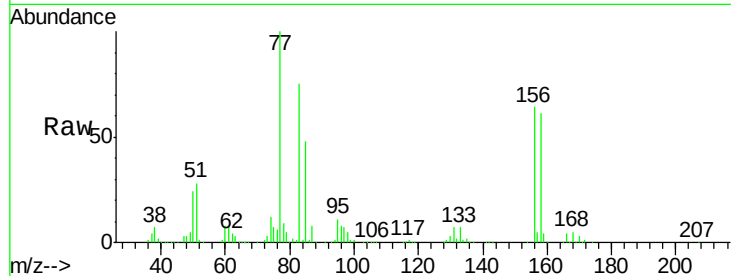
77 152.2 76.8 230.5

158 95.7 48.4 145.0

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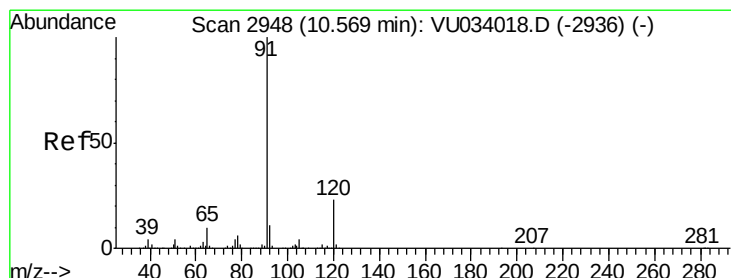
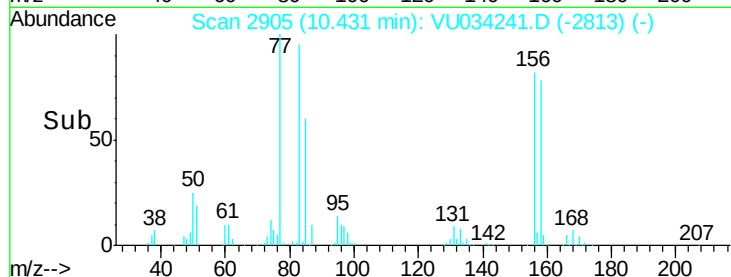
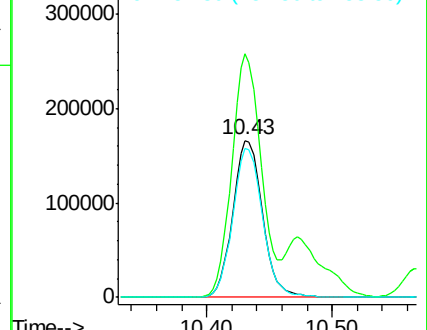
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.940 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034241.D

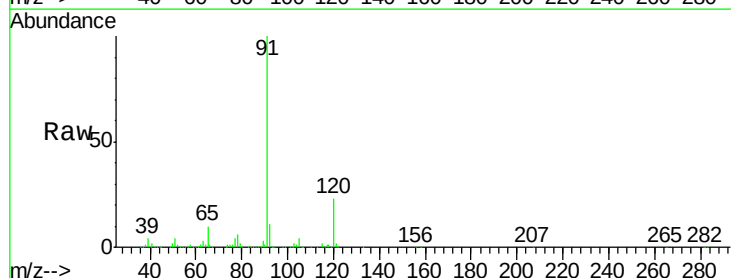
Acq: 03 Sep 2019 20:51

Tgt Ion: 91 Resp: 1209786

Ion Ratio Lower Upper

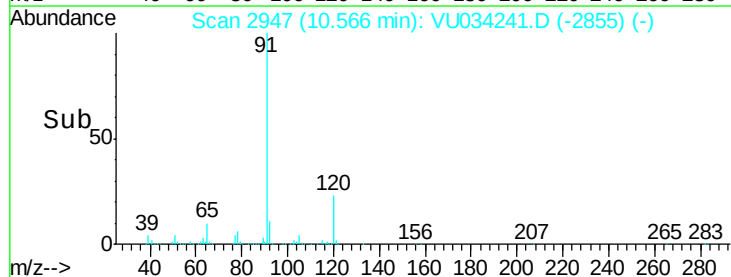
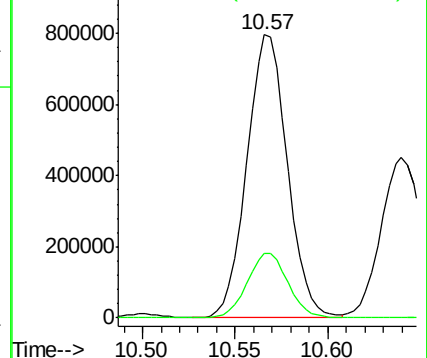
91 100

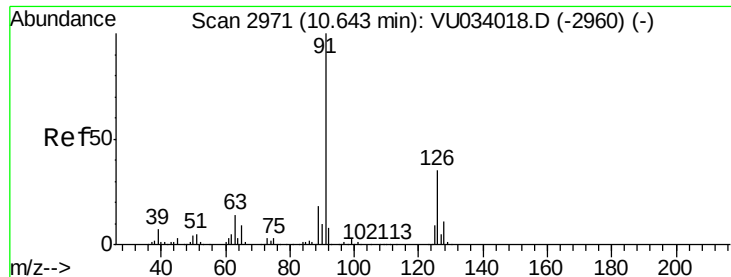
120 23.1 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.812 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 708208

Ion Ratio Lower Upper

91 100

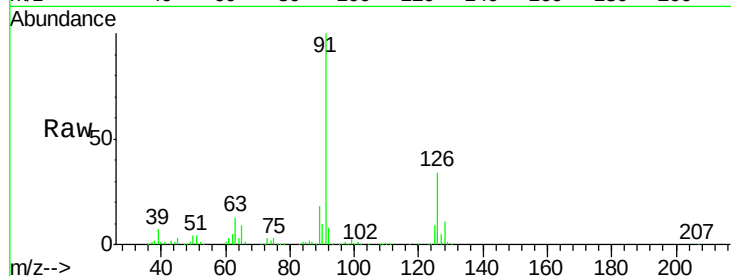
126 34.6 17.1 51.2

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Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034018.D (-2960) (-)

800000

600000

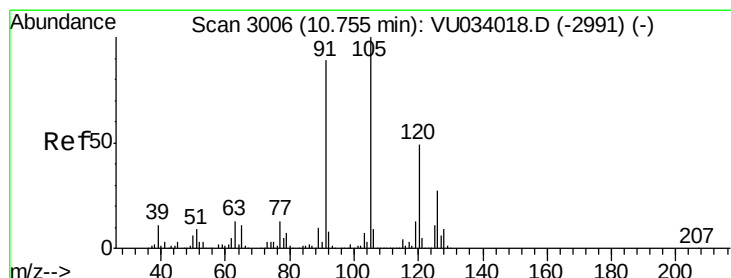
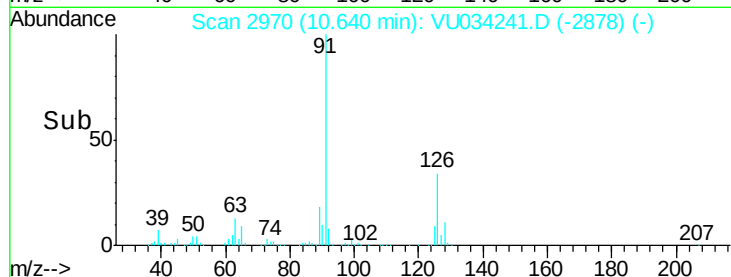
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.565 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034241.D

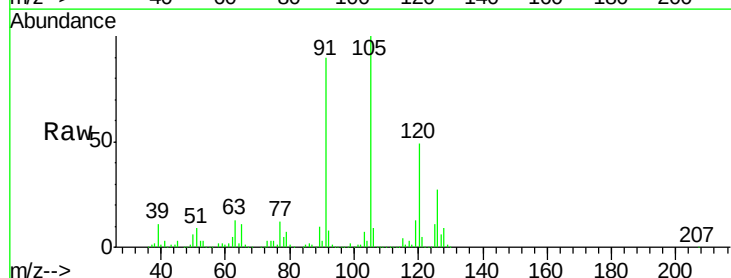
Acq: 03 Sep 2019 20:51

Tgt Ion: 105 Resp: 892183

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034018.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034018.D (-2991) (-)

600000

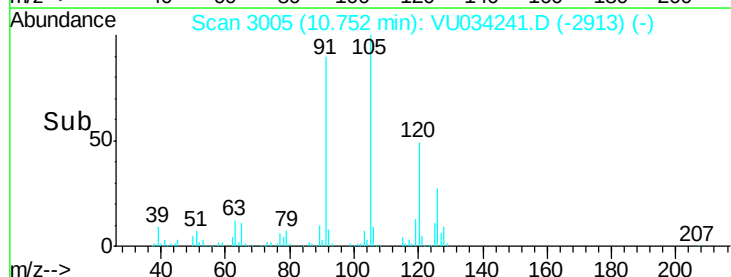
400000

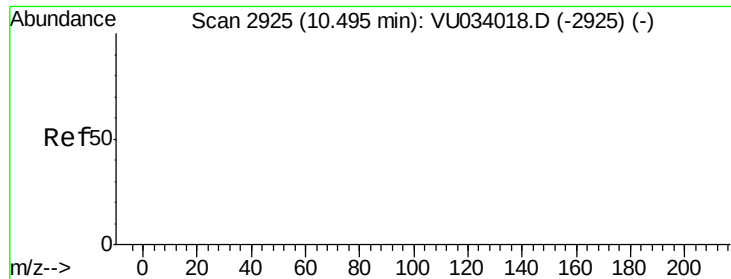
200000

0

10.70 10.80

Time-->





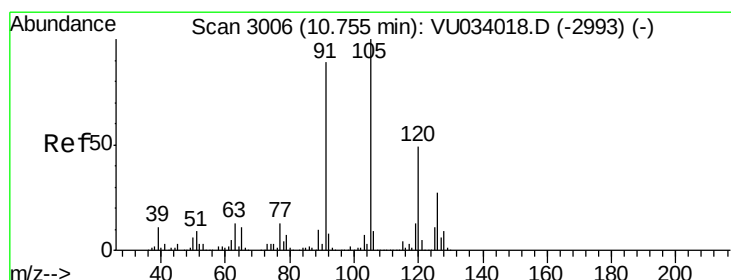
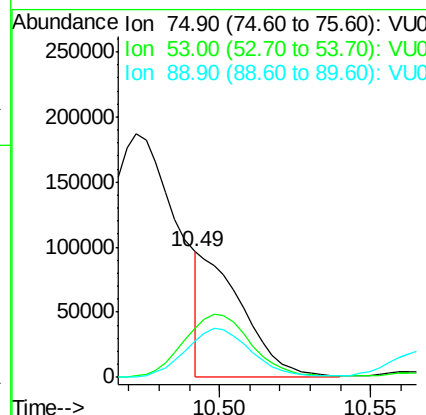
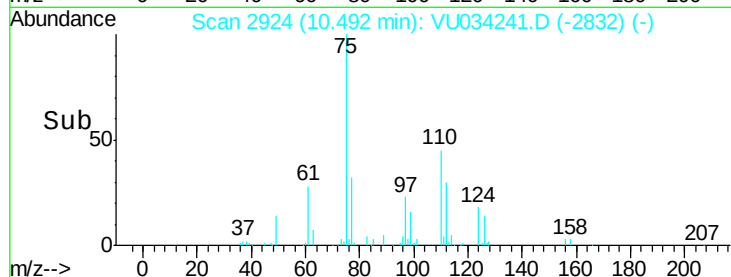
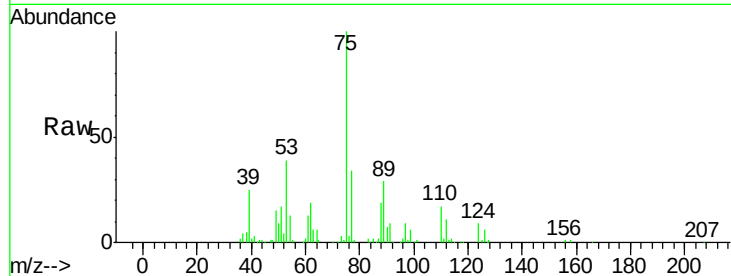
#81
trans-1,4-Dichloro-2-butene
Concen: 42.821 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

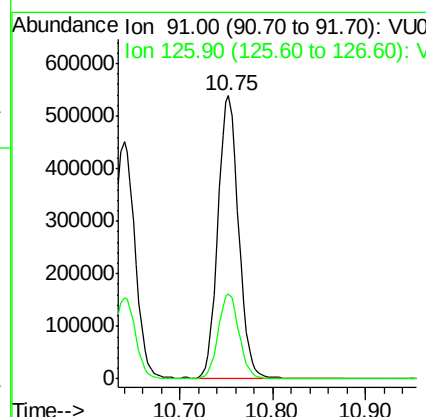
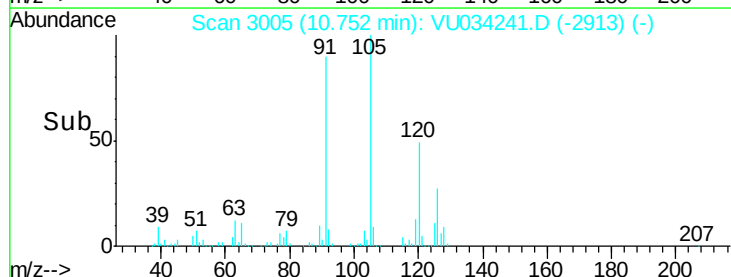
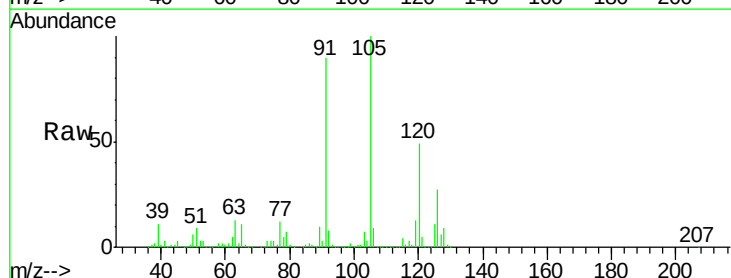
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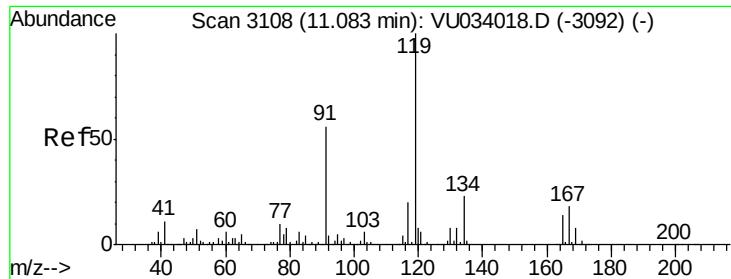
MMDadoda
9/4/2019 2:08:11 PM



#82
4-Chlorotoluene
Concen: 46.736 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.0	45.1





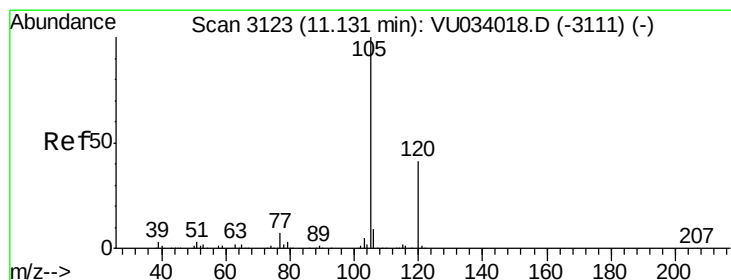
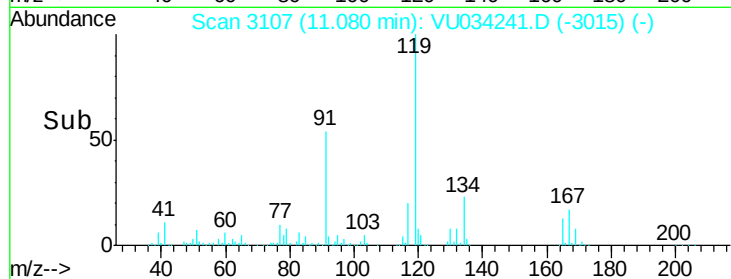
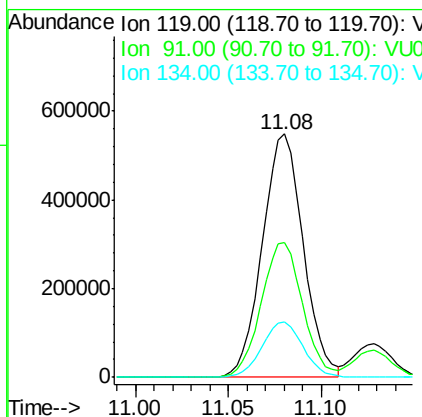
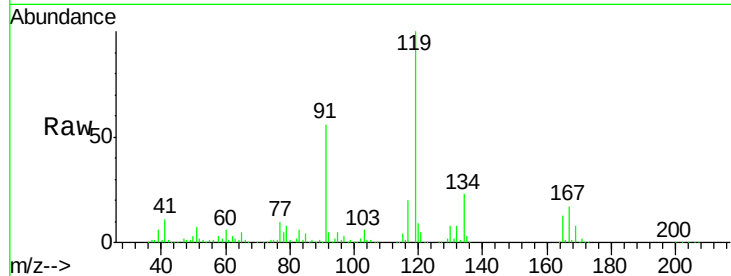
#83
 tert-Butylbenzene
 Concen: 45.761 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	27.9	83.6
134	23.0	11.4	34.2

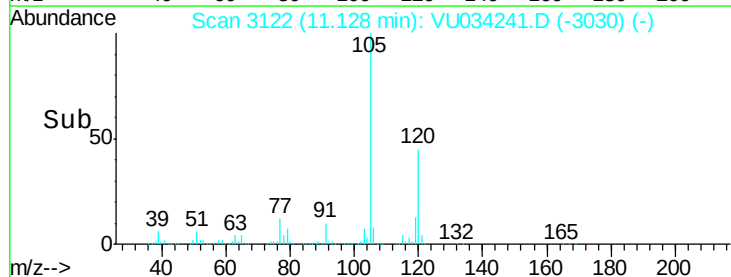
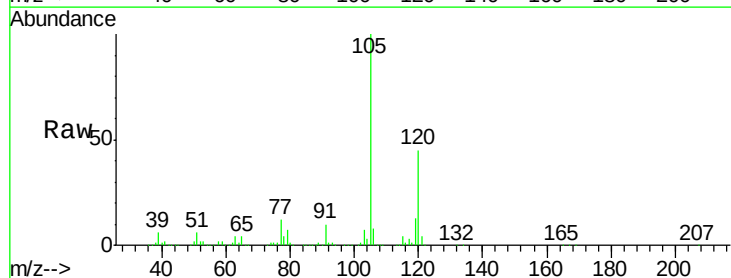
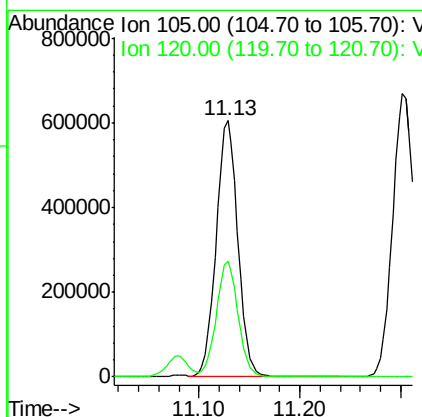
Manual Integrations
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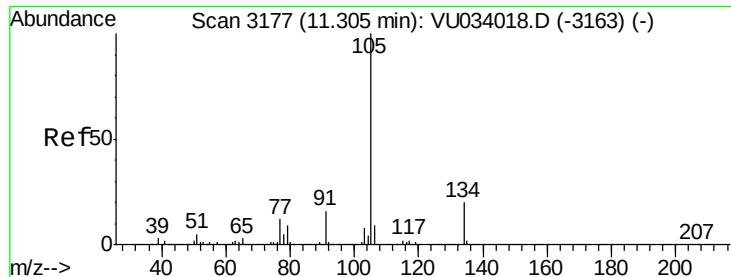
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.561 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8





#85

sec-Butylbenzene

Concen: 46.118 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1020640

Ion Ratio Lower Upper

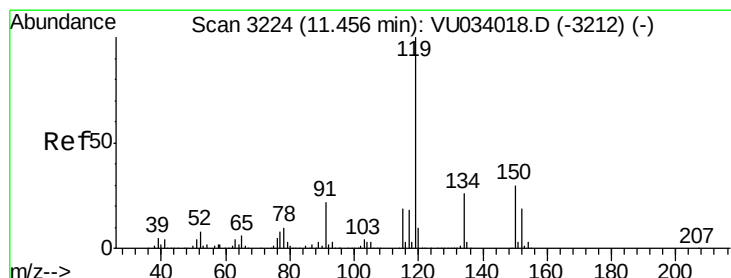
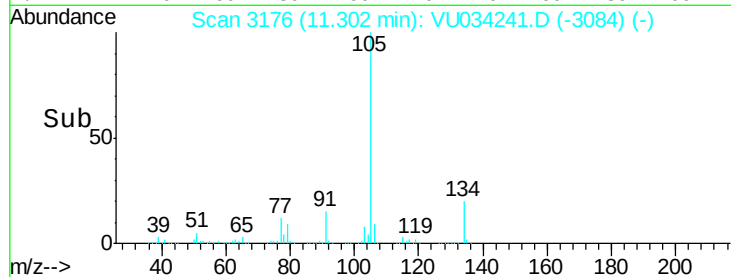
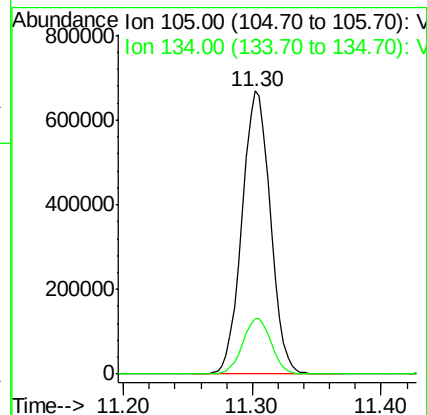
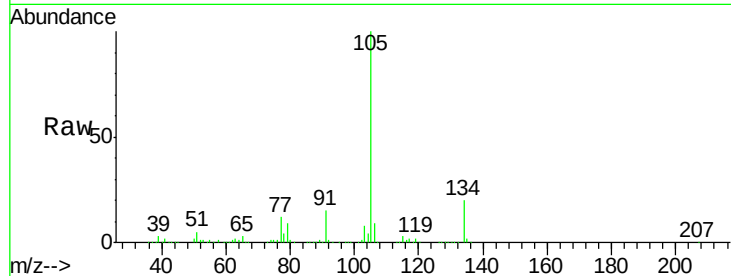
105 100

134 19.8 10.0 30.0

Manual Integrations
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9/4/2019 2:08:11 PM



#86

p-Isopropyltoluene

Concen: 46.993 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034241.D

Acq: 03 Sep 2019 20:51

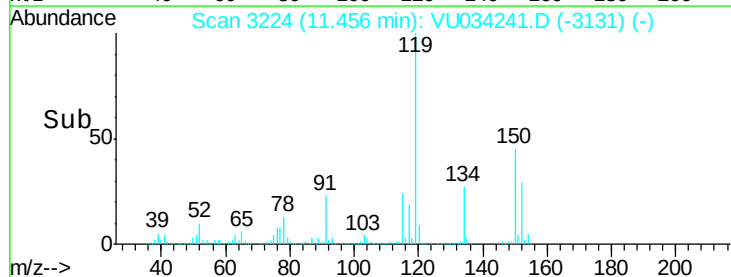
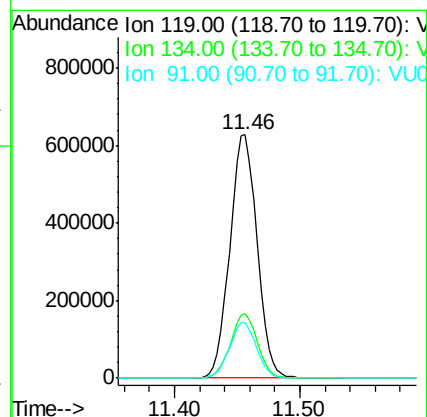
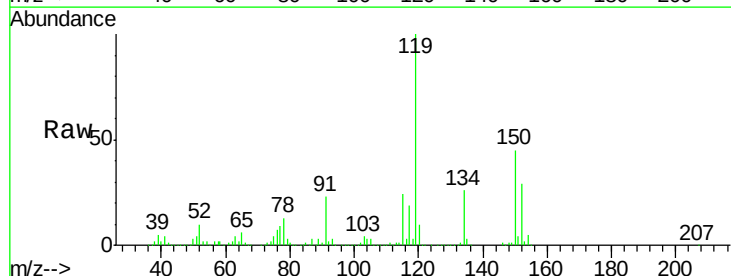
Tgt Ion:119 Resp: 940610

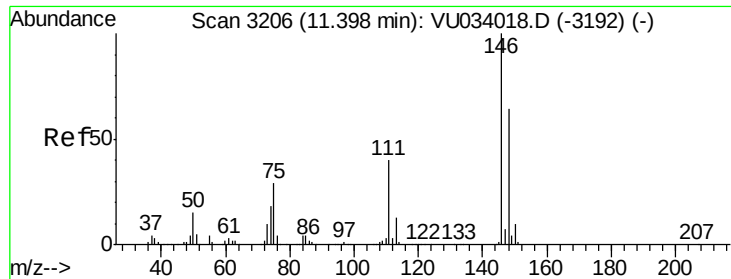
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 22.7 11.2 33.6





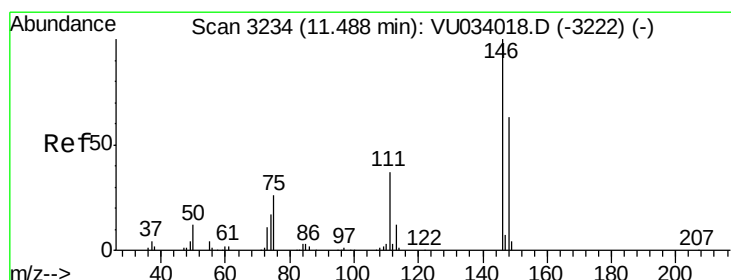
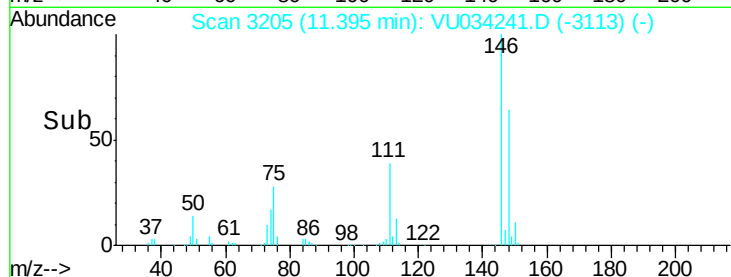
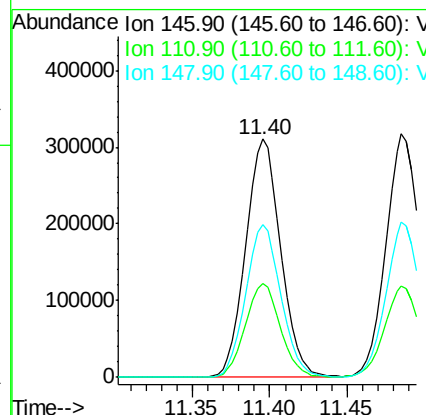
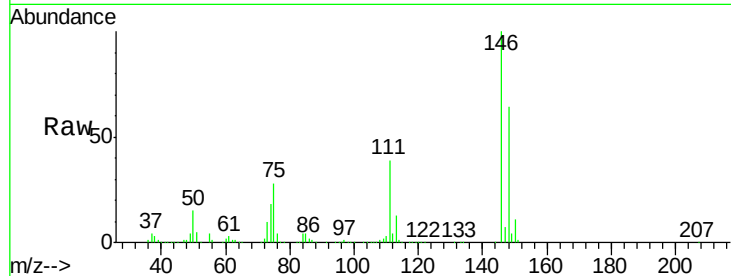
#87
 1,3-Dichlorobenzene
 Concen: 46.450 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	489552		
111	39.3	19.9	59.6	
148	64.2	31.9	95.5	

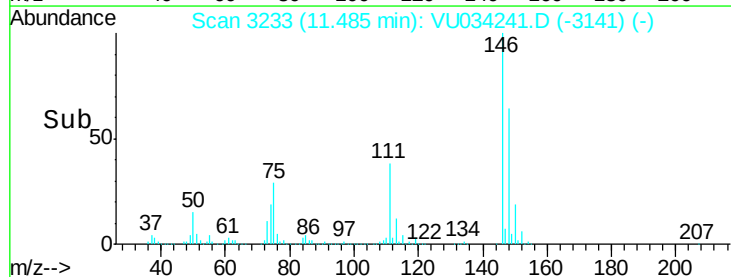
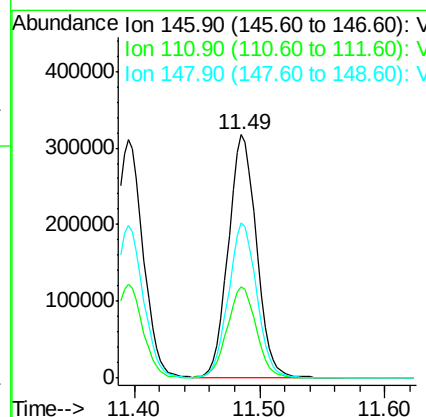
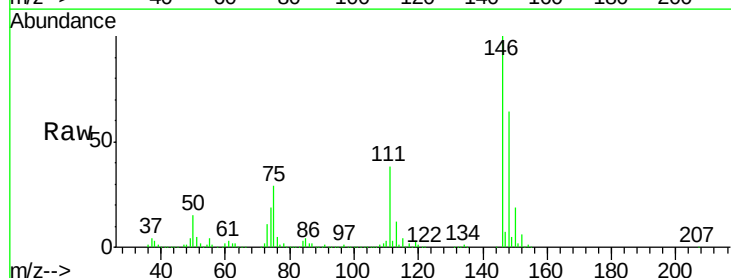
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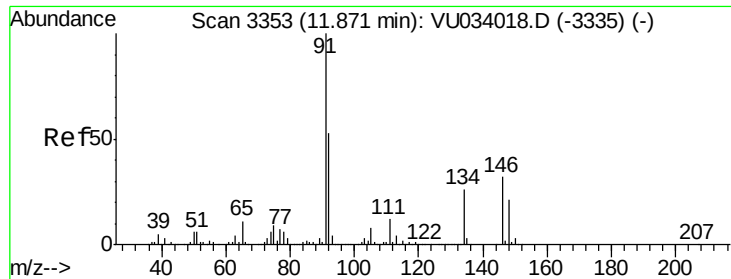
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#88
 1,4-Dichlorobenzene
 Concen: 46.213 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	492573		
111	38.7	19.2	57.6	
148	63.9	31.9	95.9	





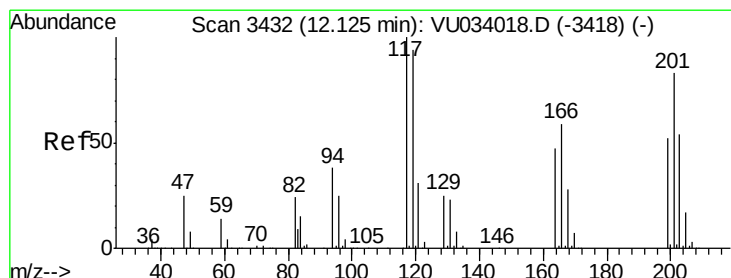
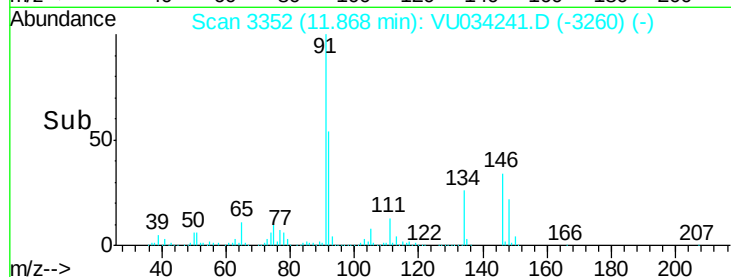
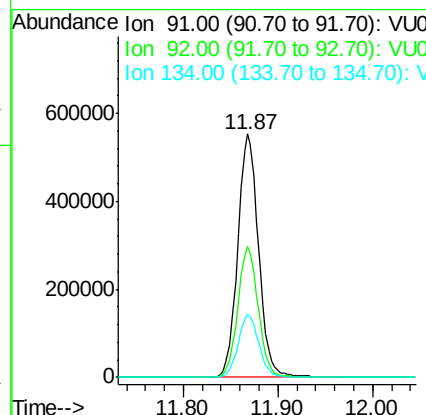
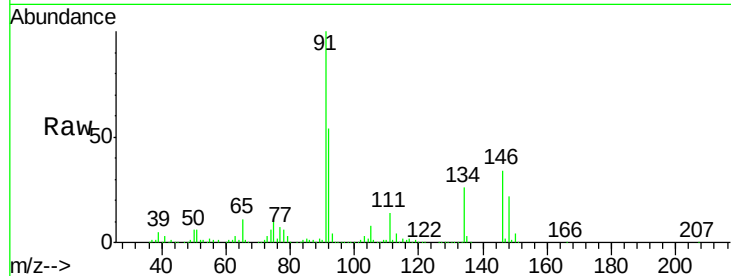
#89
n-Butylbenzene
Concen: 47.701 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	841790		
92	52.8	26.3	78.9	
134	25.9	12.9	38.7	

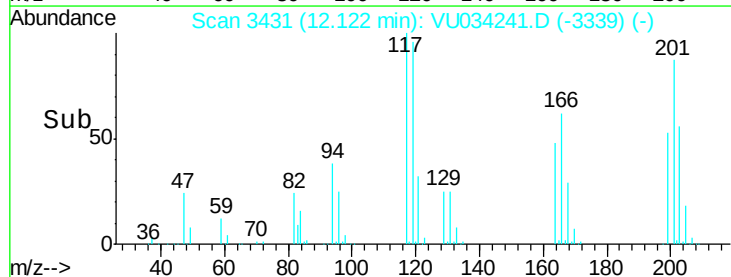
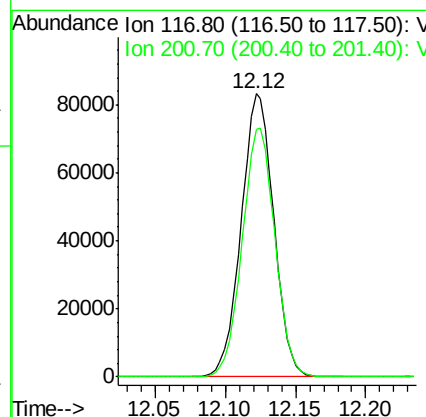
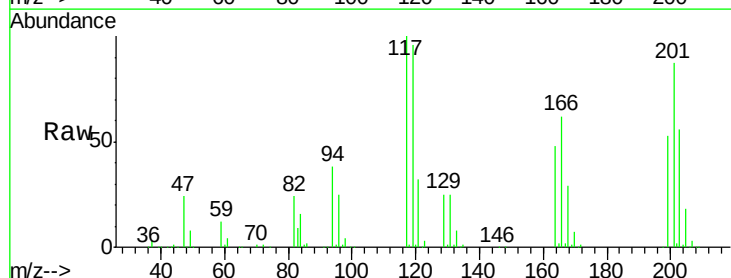
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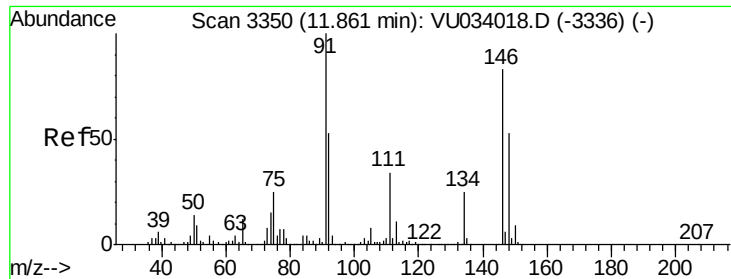
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#90
Hexachloroethane
Concen: 38.939 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	134751		
201	88.1	42.5	127.6	





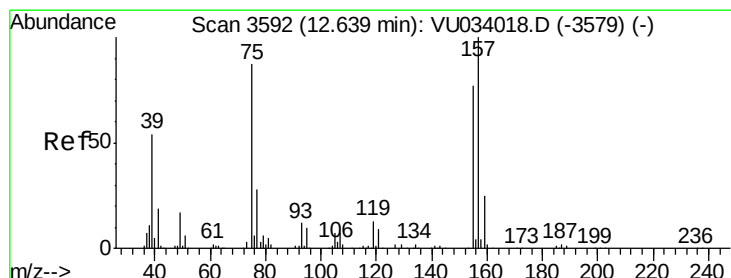
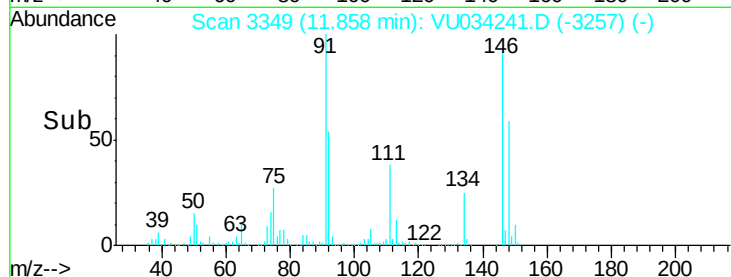
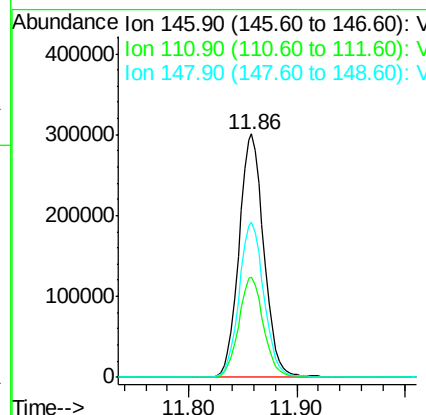
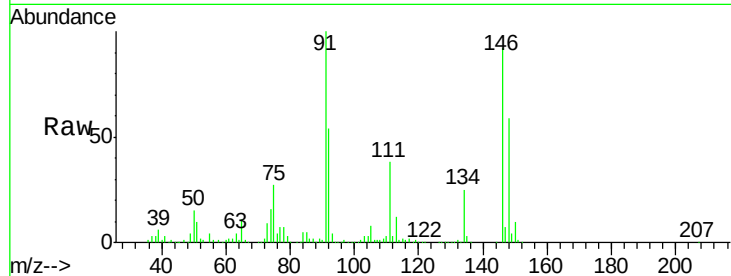
#91
 1,2-Dichlorobenzene
 Concen: 47.859 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.2
148	64.2	32.3	96.8

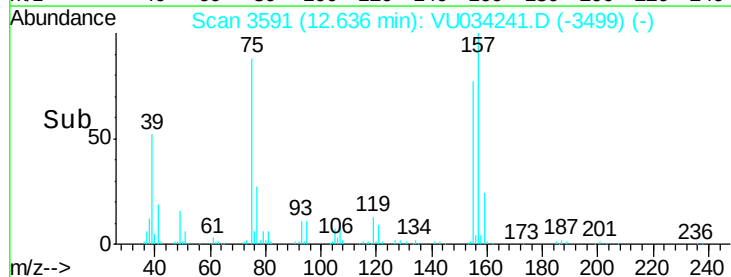
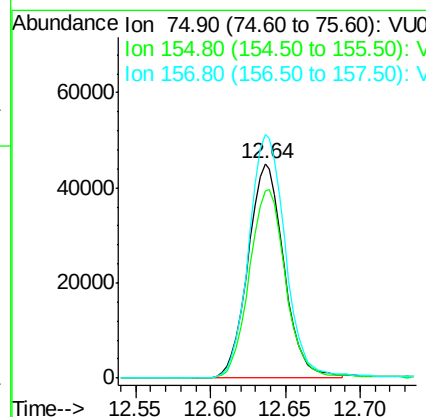
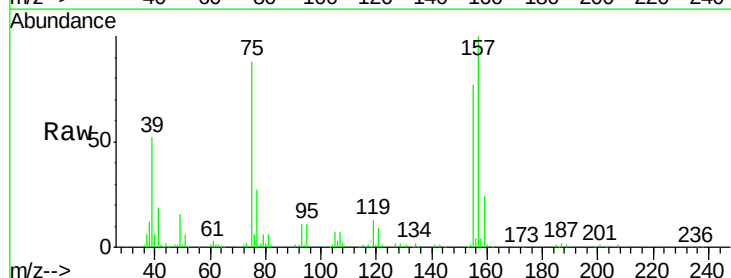
Manual Integrations
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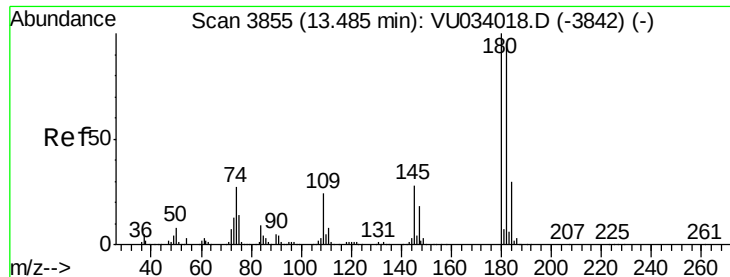
MMDadoda
 9/4/2019 2:08:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.765 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	43.5	130.7
157	116.1	56.9	170.6





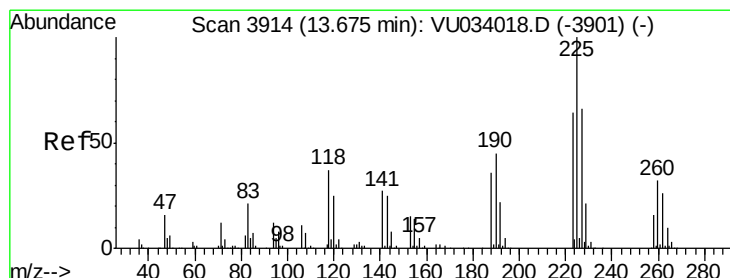
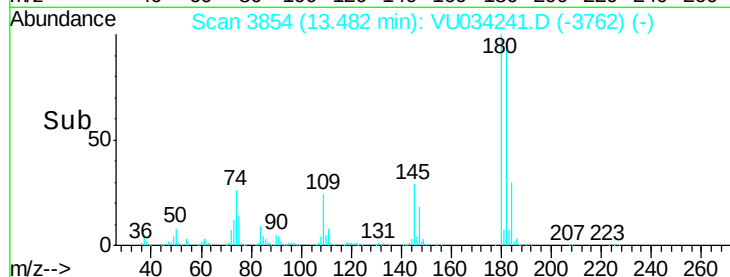
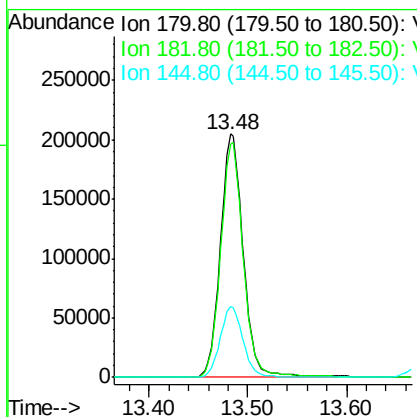
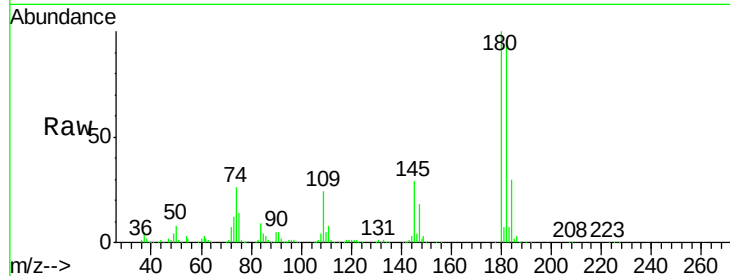
#93
 1,2,4-Trichlorobenzene
 Concen: 46.497 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	47.4	142.2	
145	29.1	14.1	42.3	

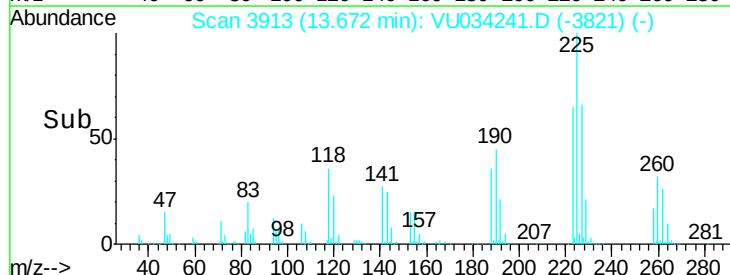
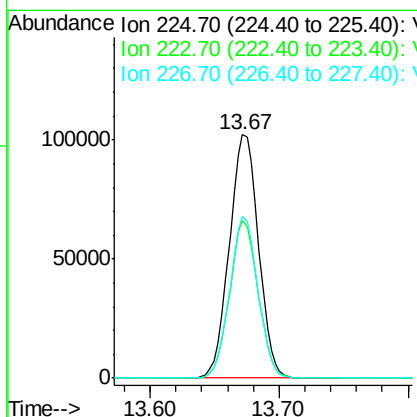
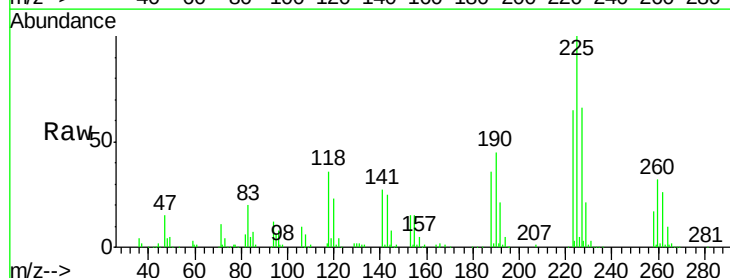
Manual Integrations
 APPROVED

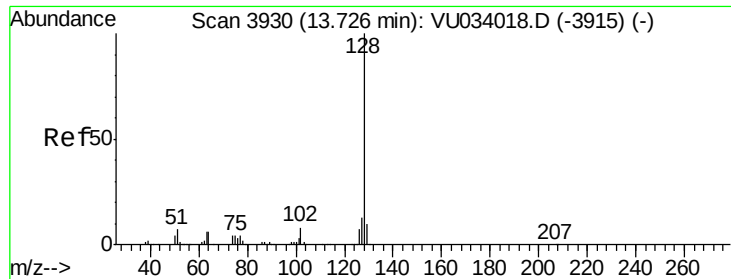
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 40.563 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034241.D
 Acq: 03 Sep 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.8	95.3	
227	64.1	32.6	97.8	





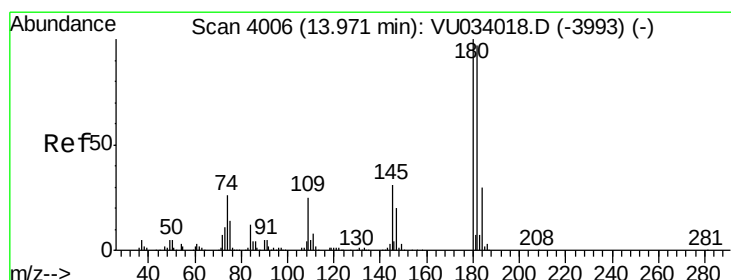
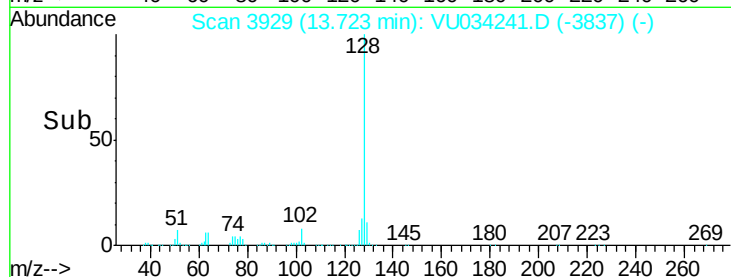
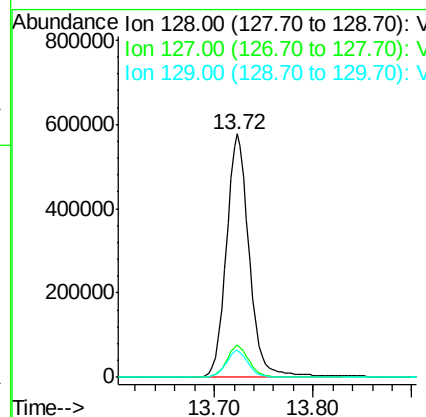
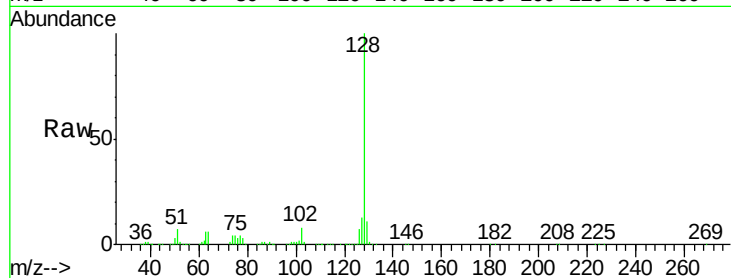
#95
Naphthalene
Concen: 45.911 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		941055		
127	13.1	10.2		15.4	
129	10.3	8.4		12.6	

Manual Integrations
APPROVED

MMDadoda
9/4/2019 2:08:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.921 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. -0.00 min
Lab File: VU034241.D
Acq: 03 Sep 2019 20:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		329324		
182	95.3	48.2		144.6	
145	30.8	15.5		46.5	

