

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U083019\
 Data File : VU034081.D
 Acq On : 29 Aug 2019 22:38
 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
 8/30/2019 12:52:34 PM

Quant Time: Aug 30 05:43:30 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	422844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	673112	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	654488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	353976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	273579	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	4.86	113	229838	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	7.55	98	903440	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	10.29	95	338850	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	217241	51.084	ug/l	99
3) Chloromethane	1.32	50	252484	44.214	ug/l	99
4) Vinyl Chloride	1.40	62	270788	47.842	ug/l	95
5) Bromomethane	1.61	94	94933	32.853	ug/l	98
6) Chloroethane	1.68	64	172377	49.816	ug/l	100
7) Trichlorofluoromethane	1.87	101	327441	49.928	ug/l	99
8) Diethyl Ether	2.09	74	141770	50.532	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	201960	48.610	ug/l	97
10) Methyl Iodide	2.40	142	105140	17.840	ug/l	99
11) Tert butyl alcohol	2.81	59	277088	221.771	ug/l	100
12) 1,1-Dichloroethene	2.27	96	211282	49.912	ug/l	98
13) Acrolein	2.18	56	105428	200.584	ug/l	99
14) Allyl chloride	2.58	41	347586	43.672	ug/l	93
15) Acrylonitrile	2.92	53	737233	257.139	ug/l	100
16) Acetone	2.31	43	601984	217.752	ug/l	100
17) Carbon Disulfide	2.46	76	626198	46.740	ug/l	100
18) Methyl Acetate	2.60	43	345132	48.310	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	728454	52.521	ug/l	100
20) Methylene Chloride	2.68	84	257337	49.170	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	229193	49.888	ug/l	99
22) Diisopropyl ether	3.55	45	765279	52.474	ug/l	98
23) Vinyl Acetate	3.50	43	3305816	263.871	ug/l	99
24) 1,1-Dichloroethane	3.42	63	437852	50.852	ug/l	100
25) 2-Butanone	4.23	43	964659	250.808	ug/l	100
26) 2,2-Dichloropropane	4.20	77	310659	44.341	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	259268	50.279	ug/l	99
28) Bromochloromethane	4.52	49	217080	51.173	ug/l	100
29) Tetrahydrofuran	4.61	42	626231	264.015	ug/l	99
30) Chloroform	4.65	83	420601	48.960	ug/l	98
31) Cyclohexane	4.97	56	384874	47.570	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	352546	50.107	ug/l	100
36) 1,1-Dichloropropene	5.11	75	316592	49.726	ug/l	99
37) Ethyl Acetate	4.36	43	353098	49.525	ug/l	99
38) Carbon Tetrachloride	5.11	117	301085	48.992	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	364891	48.626	ug/l	99
40) Benzene	5.37	78	974660	50.598	ug/l	99
41) Methacrylonitrile	4.52	41	192566	52.664	ug/l	99
42) 1,2-Dichloroethane	5.38	62	330428	49.675	ug/l	98
43) Isopropyl Acetate	5.53	43	546140	50.351	ug/l	100
44) Trichloroethene	6.16	130	262594	51.912	ug/l	94
45) 1,2-Dichloropropane	6.41	63	269246	50.776	ug/l	100
46) Dibromomethane	6.54	93	171192	50.111	ug/l	98
47) Bromodichloromethane	6.74	83	325852	48.752	ug/l	98
48) Methyl methacrylate	6.60	41	266829	50.979	ug/l	98
49) 1,4-Dioxane	6.59	88	115863	883.484	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1855803	247.744	ug/l	99
52) Toluene	7.62	92	617138	52.007	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	354906	47.854	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	398538	49.187	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	247318	49.273	ug/l	99
56) Ethyl methacrylate	8.00	69	375100	45.149	ug/l	99
57) 1,3-Dichloropropane	8.22	76	426071	49.993	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	674296	242.827	ug/l	99
59) 2-Hexanone	8.34	43	1408749	249.121	ug/l	100
60) Dibromochloromethane	8.46	129	260848	48.413	ug/l	100
61) 1,2-Dibromoethane	8.57	107	257250	48.653	ug/l	100
64) Tetrachloroethene	8.21	164	229362	52.183	ug/l	98
65) Chlorobenzene	9.10	112	667999	49.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	230395	47.175	ug/l	99
67) Ethyl Benzene	9.23	91	1166605	51.097	ug/l	99
68) m/p-Xylenes	9.36	106	892530	102.810	ug/l	99
69) o-Xylene	9.76	106	426659	51.227	ug/l	99
70) Styrene	9.77	104	754364	52.824	ug/l	100
71) Bromoform	9.94	173	194408	45.815	ug/l #	99
73) Isopropylbenzene	10.15	105	1151668	48.437	ug/l	100
74) N-amyl acetate	10.00	43	493842	49.384	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	415513	45.659	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	354153m	44.391	ug/l	
77) Bromobenzene	10.43	156	302018	47.221	ug/l	100
78) n-propylbenzene	10.57	91	1351845	48.821	ug/l	99
79) 2-Chlorotoluene	10.64	91	804906	48.463	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	994706	49.360	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	84144m	35.514	ug/l	
82) 4-Chlorotoluene	10.75	91	932259	48.807	ug/l	100
83) tert-Butylbenzene	11.08	119	931848	46.972	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	1006567	50.302	ug/l	99
85) sec-Butylbenzene	11.31	105	1140889	47.983	ug/l	100
86) p-Isopropyltoluene	11.46	119	1054554	49.039	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	547944	48.392	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	545263	47.616	ug/l	100
89) n-Butylbenzene	11.87	91	942665	49.720	ug/l	99
90) Hexachloroethane	12.13	117	142705	38.383	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	532737	49.115	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	82144	45.309	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	363463	47.175	ug/l	98
94) Hexachlorobutadiene	13.67	225	168862	39.796	ug/l	99
95) Naphthalene	13.73	128	1057781	47.951	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	359163	51.691	ug/l	100

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

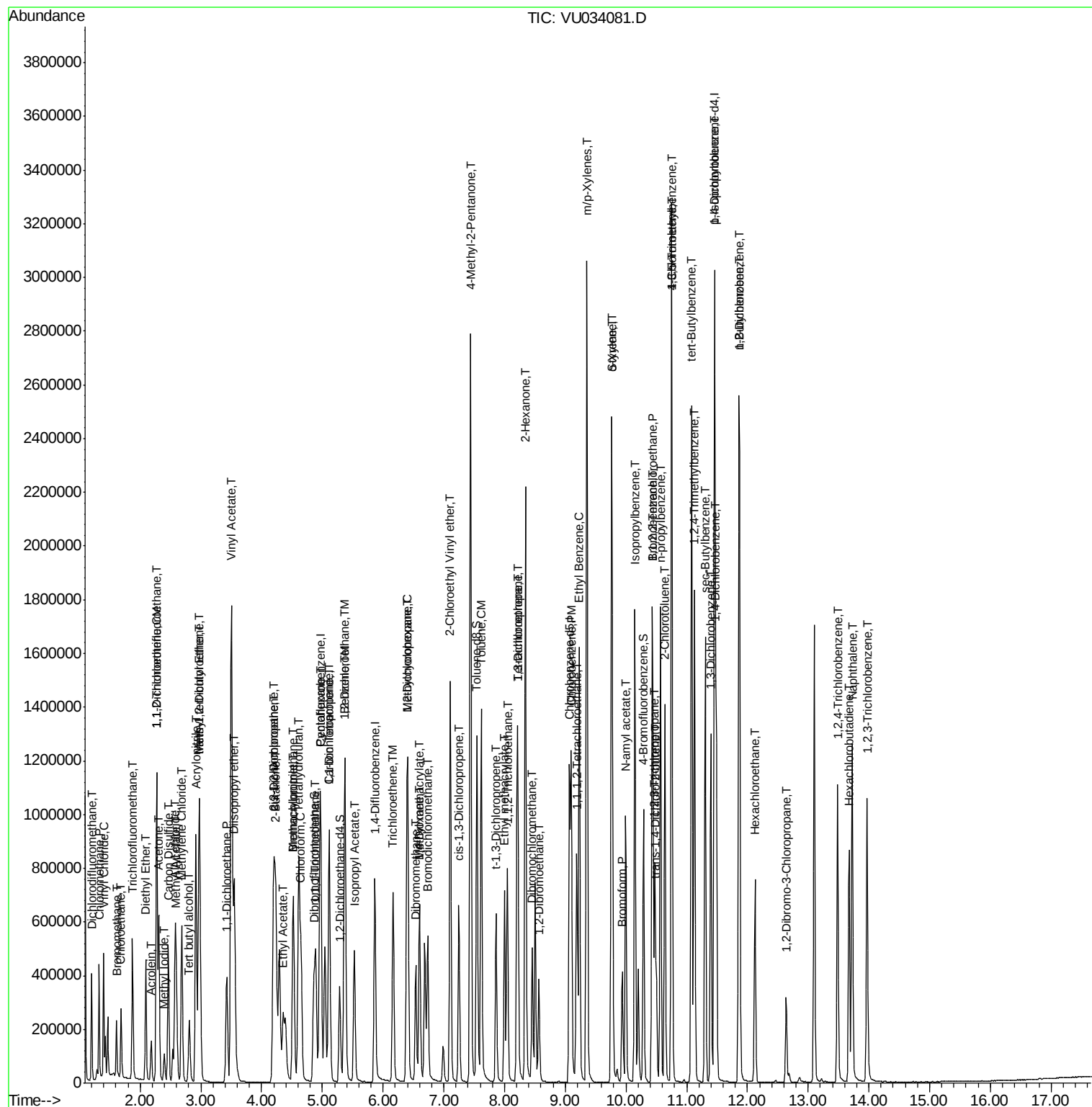
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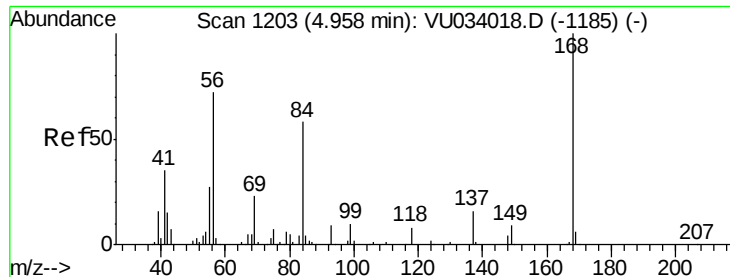
Instrument :
 MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 422844

Ion Ratio Lower Upper

168 100

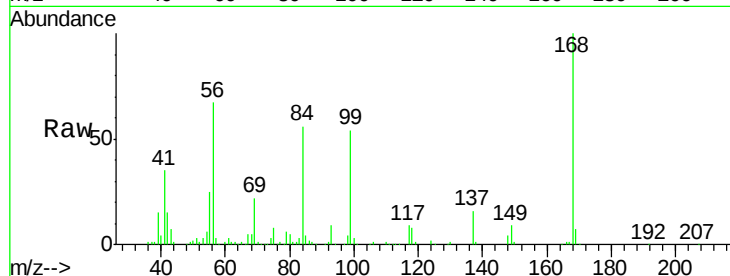
99 54.0 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034081.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034081.D (-1185) (-)

4.96

200000

150000

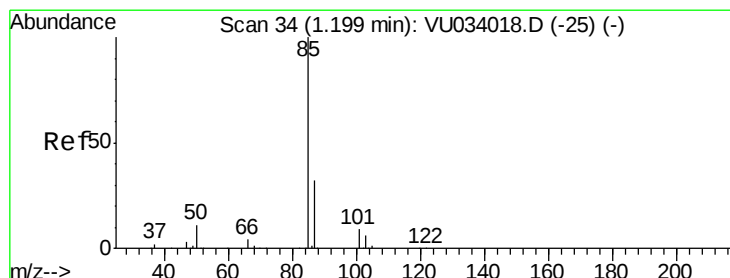
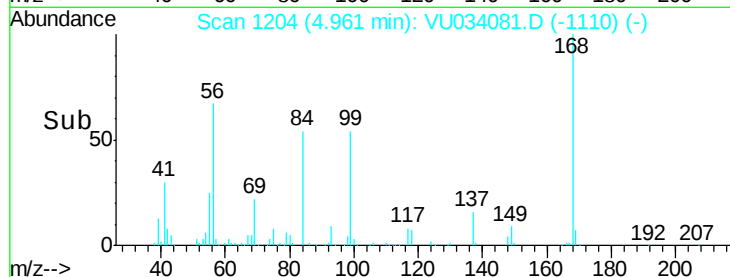
100000

50000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.084 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034081.D

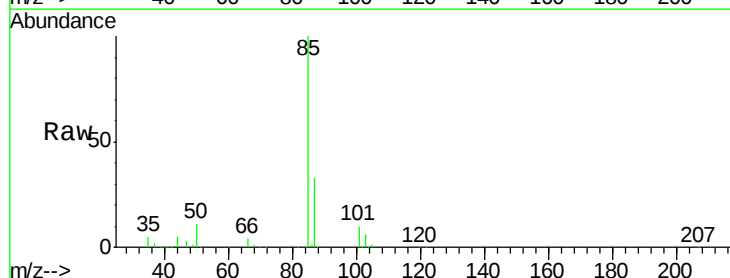
Acq: 29 Aug 2019 22:38

Tgt Ion: 85 Resp: 217241

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034081.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034081.D (-1) (-)

1.20

250000

200000

150000

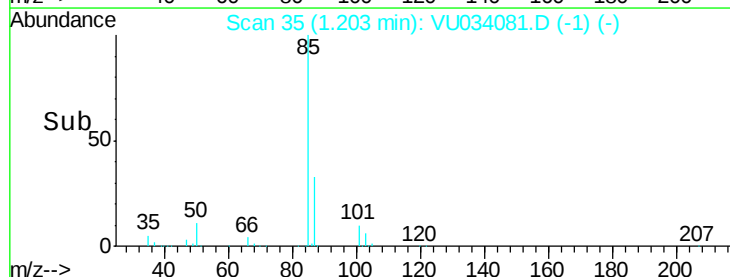
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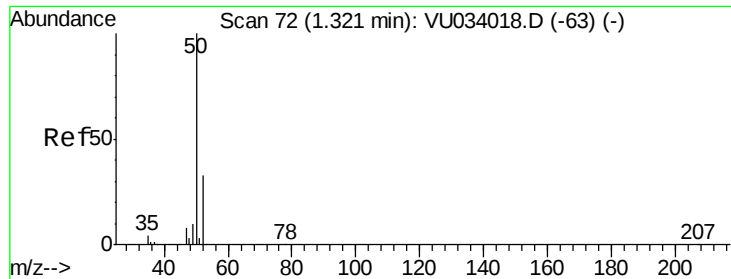
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.214 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 252484

Ion Ratio Lower Upper

50 100

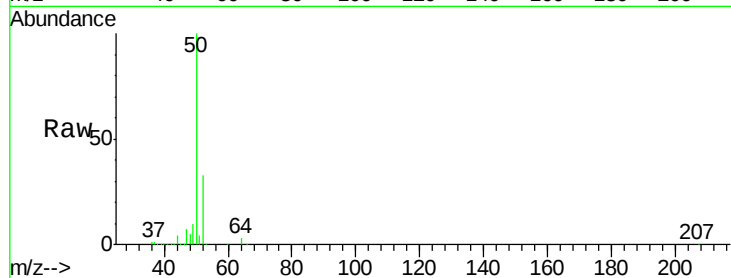
52 33.1 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU034081.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034081.D (-1) (-)

1.32

250000

200000

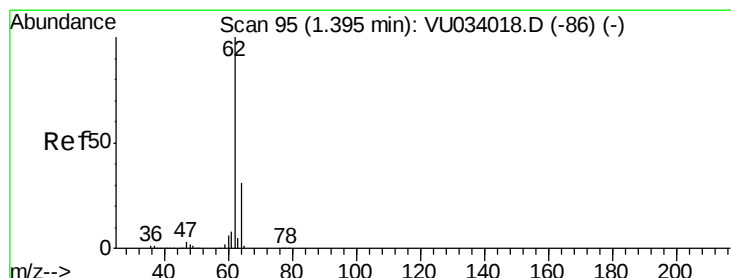
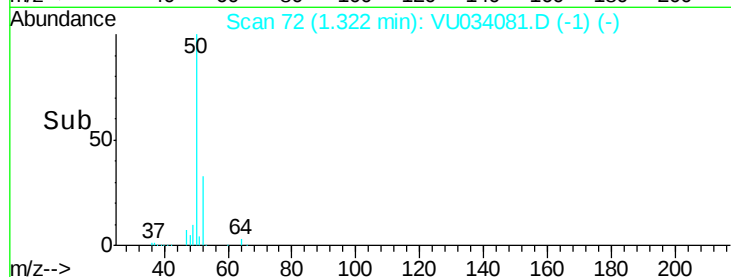
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.842 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034081.D

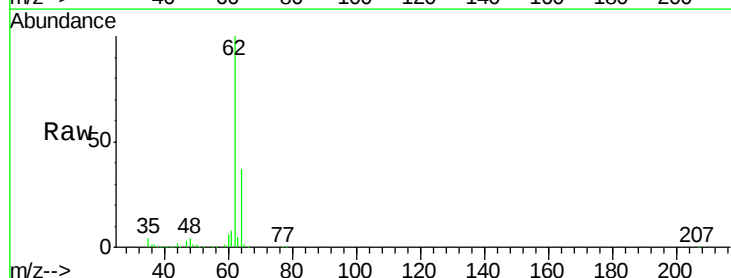
Acq: 29 Aug 2019 22:38

Tgt Ion: 62 Resp: 270788

Ion Ratio Lower Upper

62 100

64 34.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034081.D (-2) (-)

Ion 63.90 (63.60 to 64.60): VU034081.D (-2) (-)

1.40

300000

250000

200000

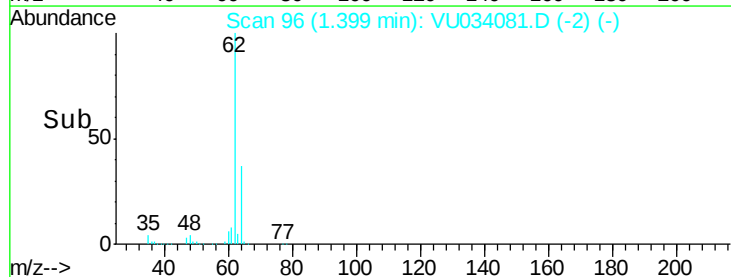
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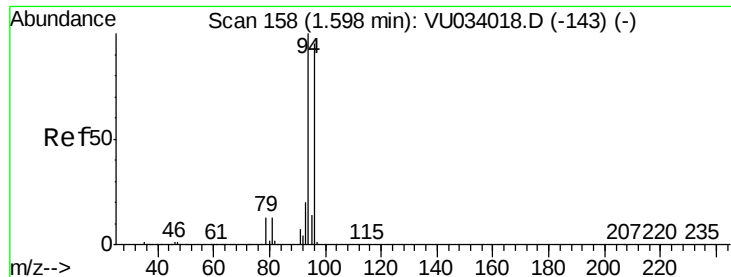
100000

50000

0

Time-->





#5

Bromomethane

Concen: 32.853 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 94933

Ion Ratio Lower Upper

94 100

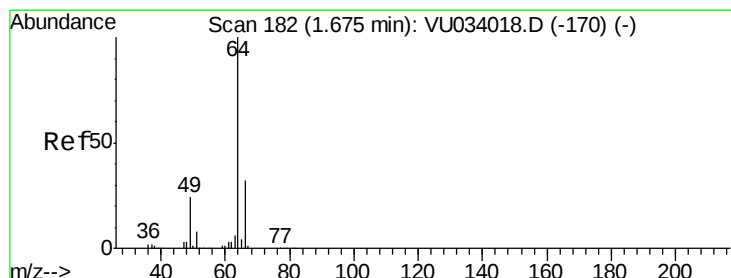
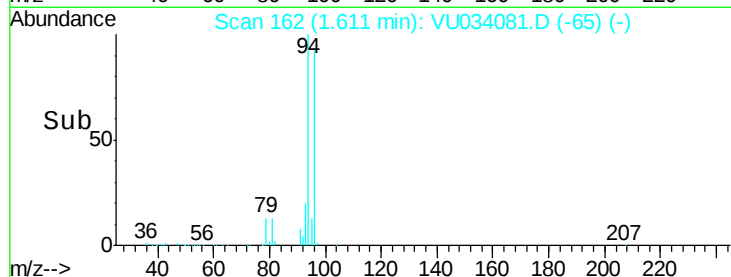
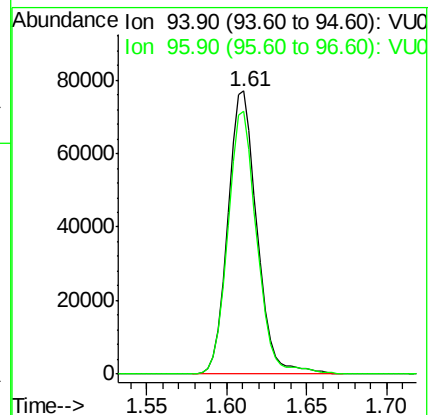
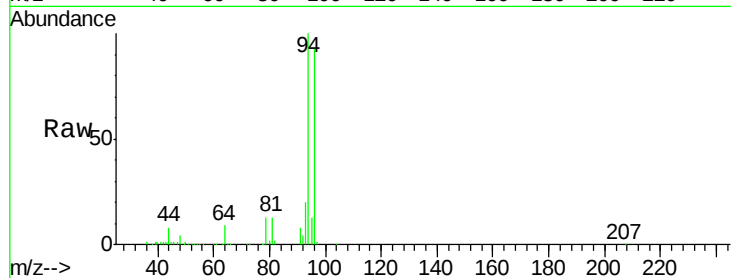
96 93.2 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 49.816 ug/l

RT: 1.68 min Scan# 185

Delta R.T. 0.01 min

Lab File: VU034081.D

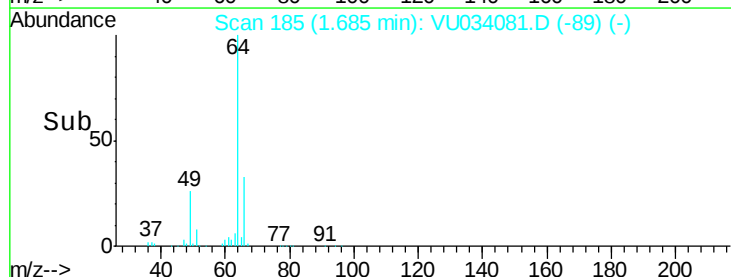
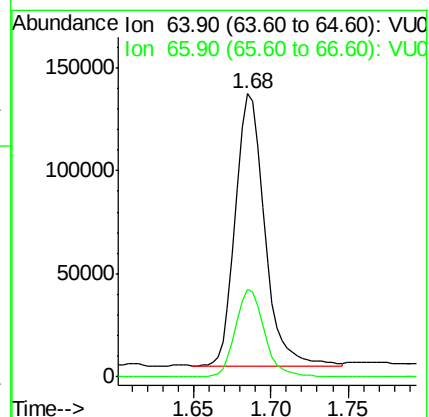
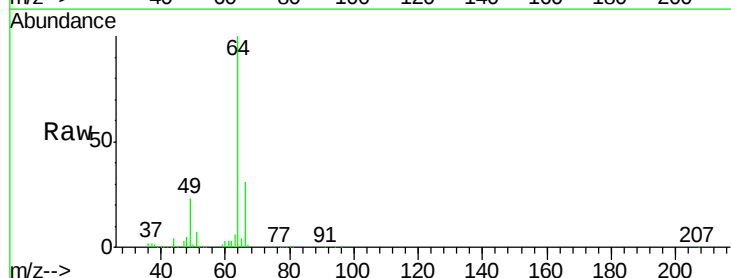
Acq: 29 Aug 2019 22:38

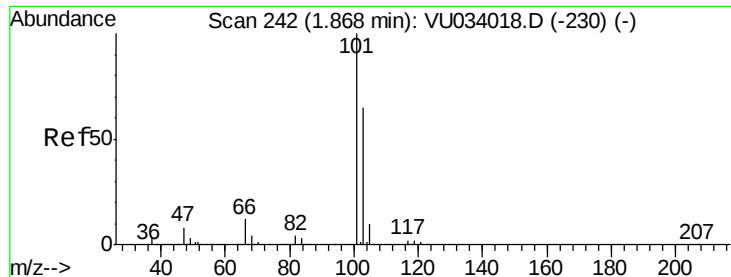
Tgt Ion: 64 Resp: 172377

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

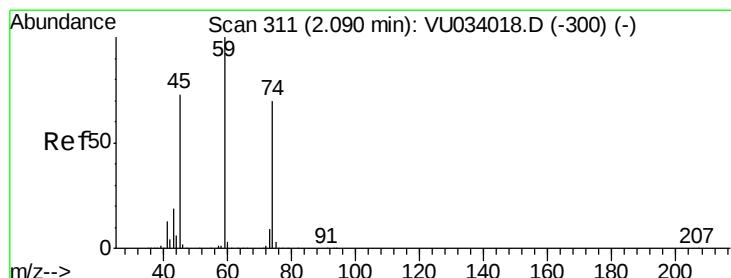
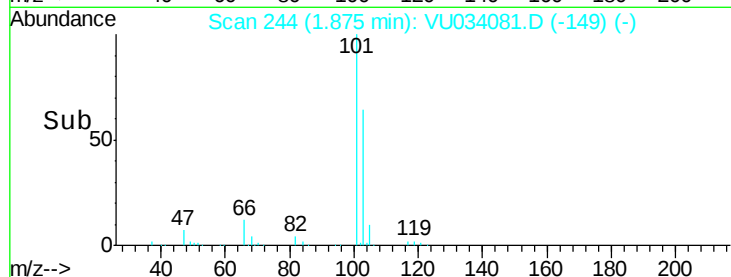
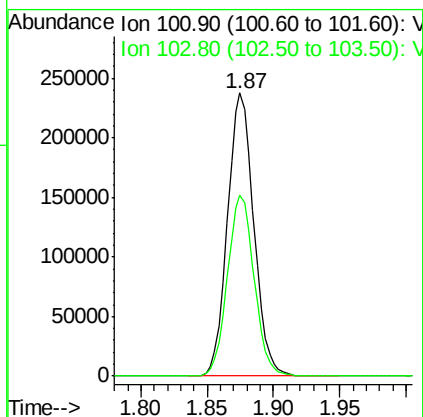
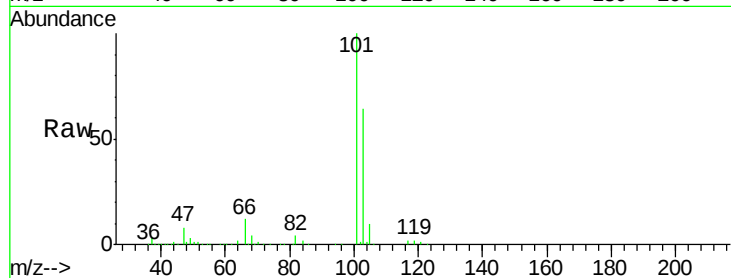
Trichlorofluoromethane
 Concen: 49.928 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

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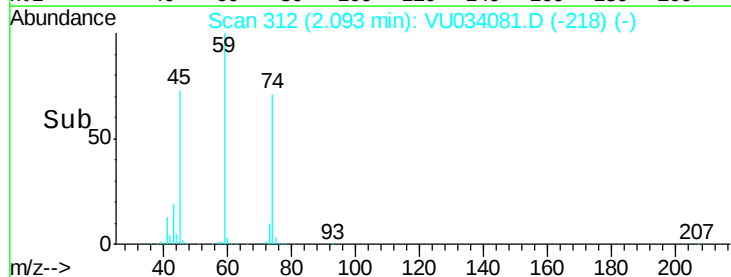
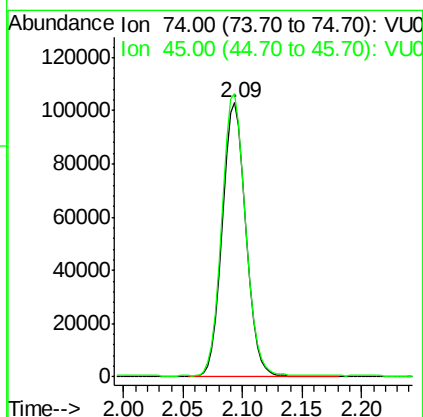
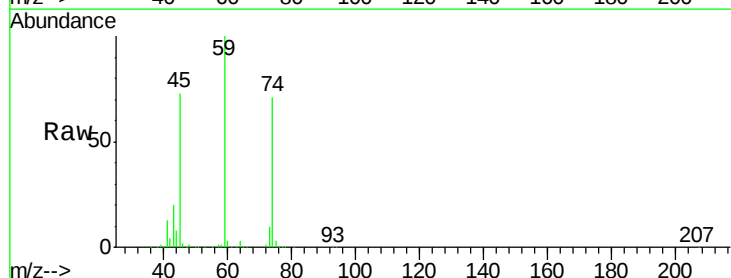
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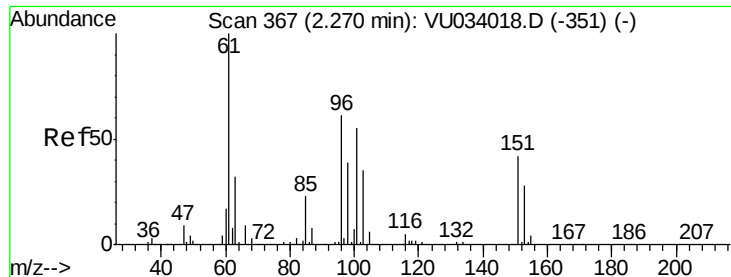


#8

Diethyl Ether
 Concen: 50.532 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.3	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.610 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

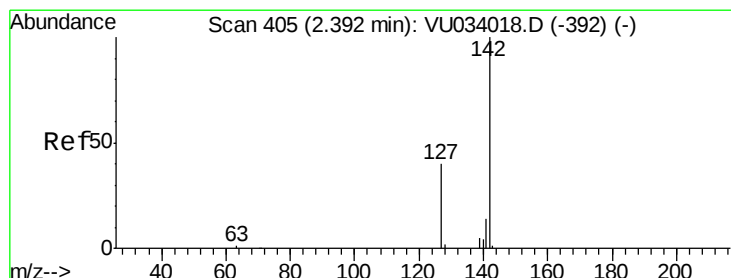
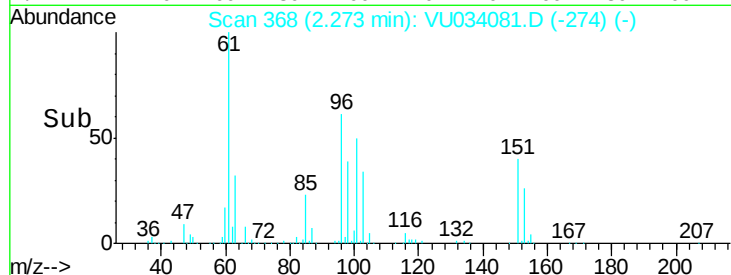
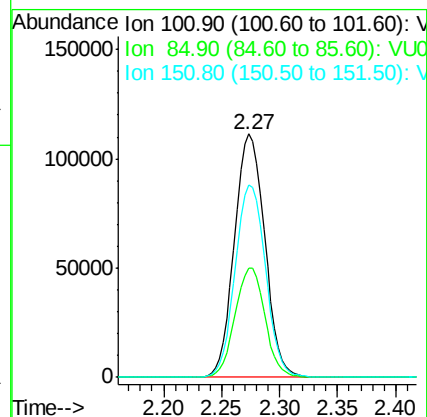
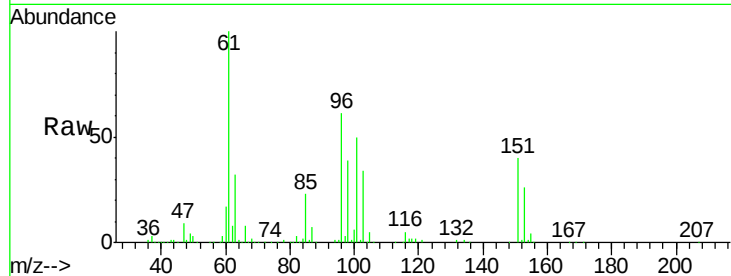
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	201960		
85	44.5	34.2	51.2	
151	79.3	61.4	92.2	

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#10

Methyl Iodide

Concen: 17.840 ug/l

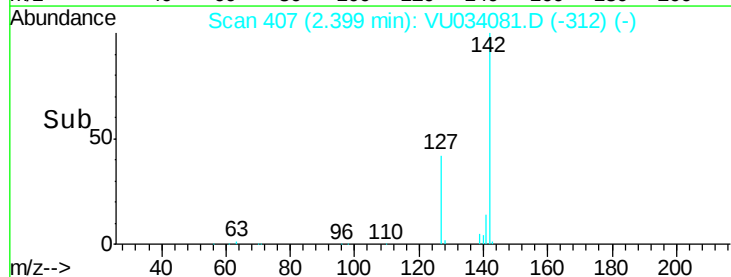
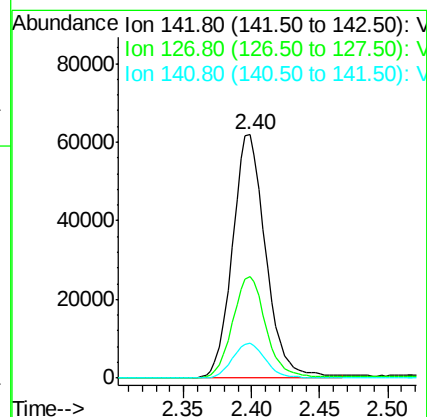
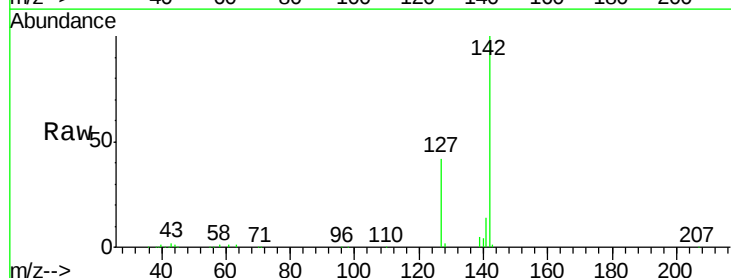
RT: 2.40 min Scan# 407

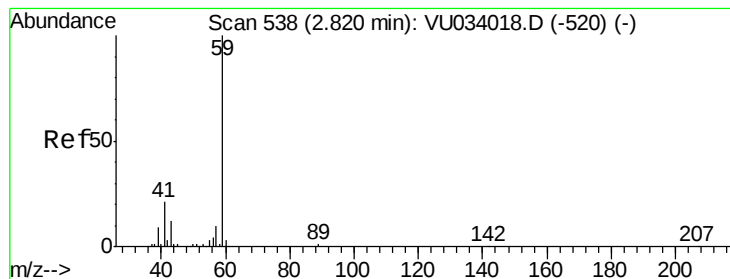
Delta R.T. 0.01 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	105140		
127	41.7	32.6	48.8	
141	14.2	11.3	16.9	





#11

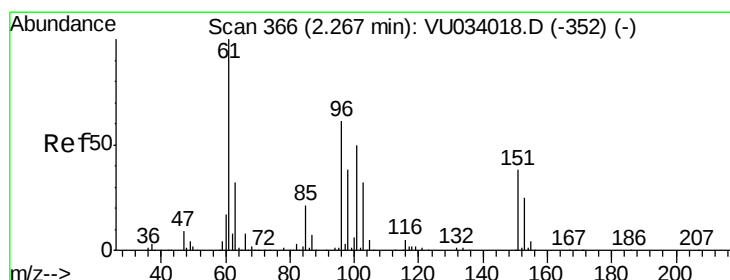
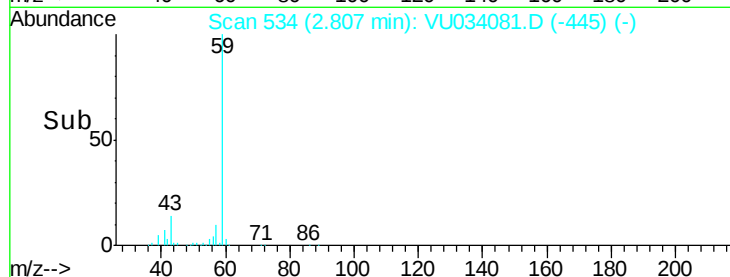
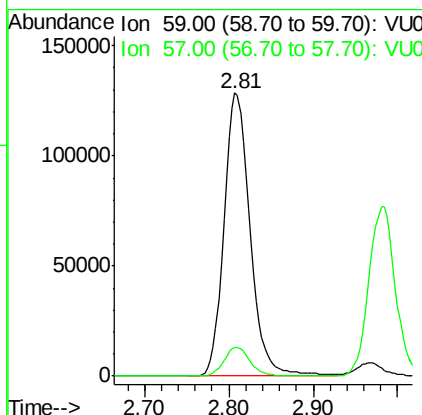
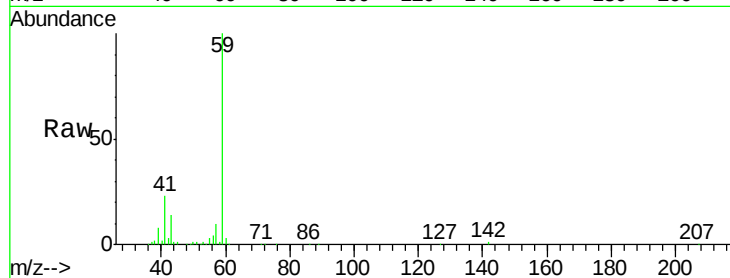
Tert butyl alcohol
 Concen: 221.771 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

Manual Integrations
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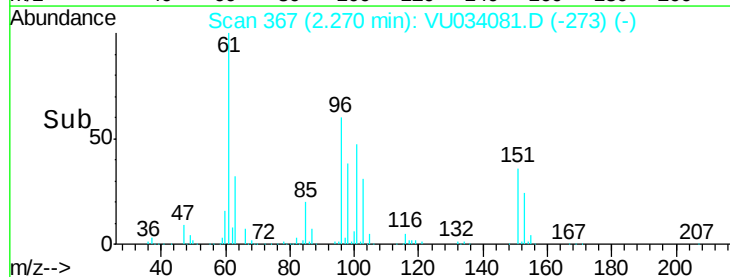
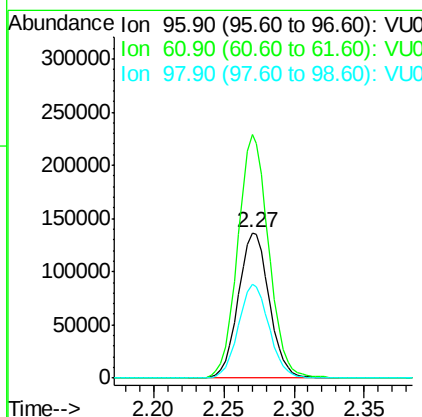
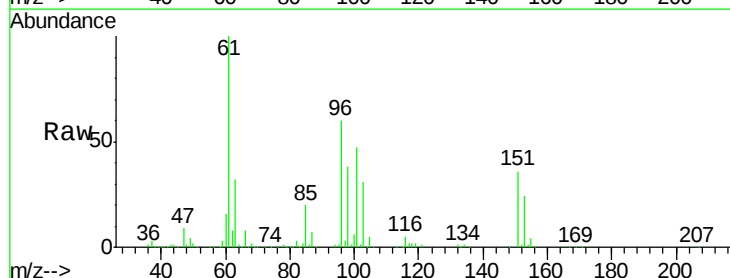
MMDadoda
 8/30/2019 12:52:34 PM

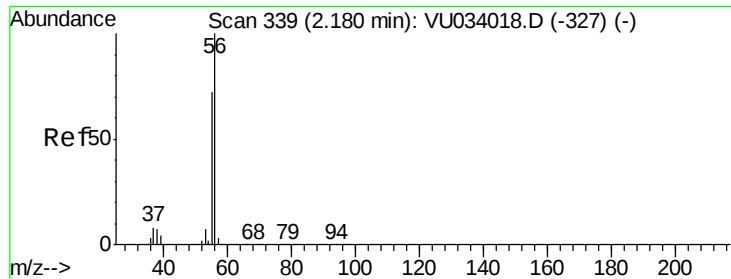


#12

1,1-Dichloroethene
 Concen: 49.912 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.2	131.3	196.9
98	64.2	50.3	75.5





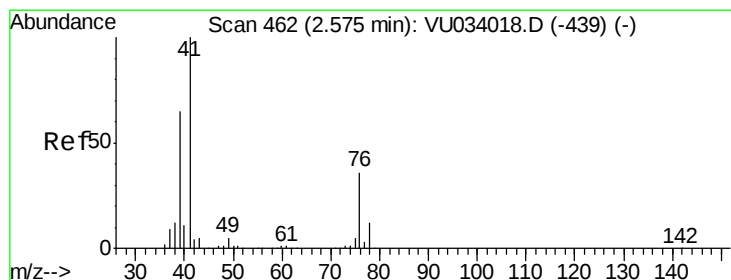
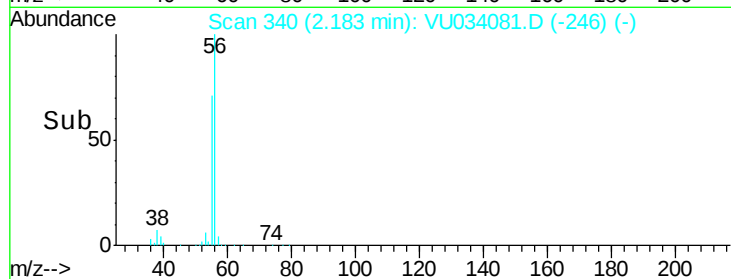
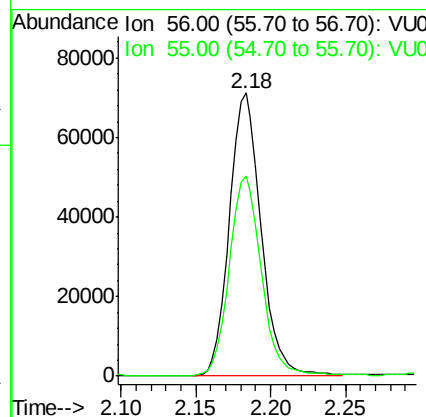
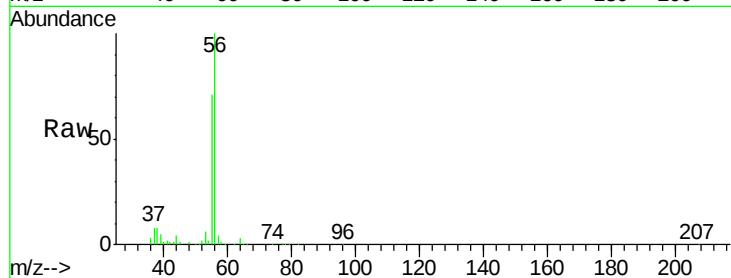
#13
Acrolein
Concen: 200.584 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	57.1	85.7

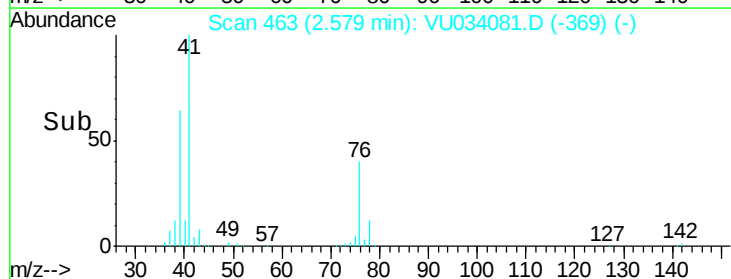
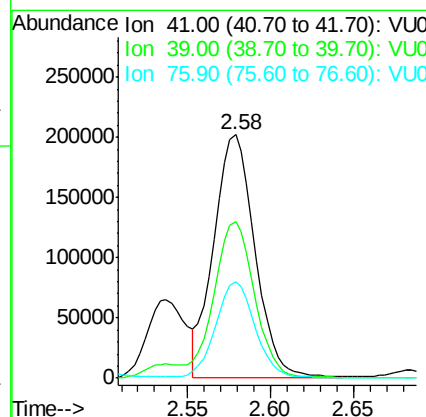
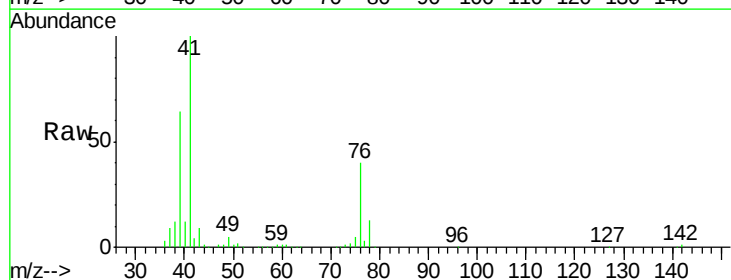
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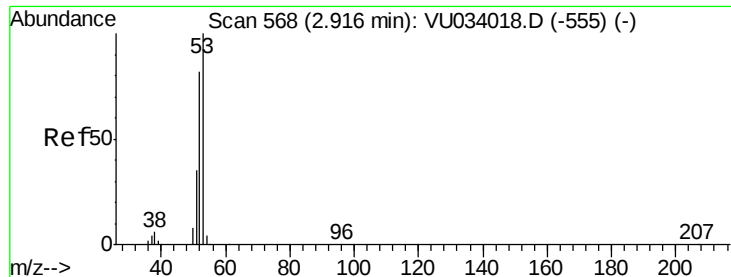
MMDadoda
8/30/2019 12:52:34 PM



#14
Allyl chloride
Concen: 43.672 ug/l
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.2	46.8	70.2
76	38.0	26.6	40.0





#15

Acrylonitrile

Concen: 257.139 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

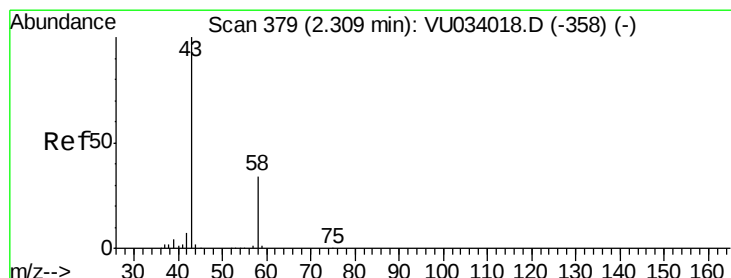
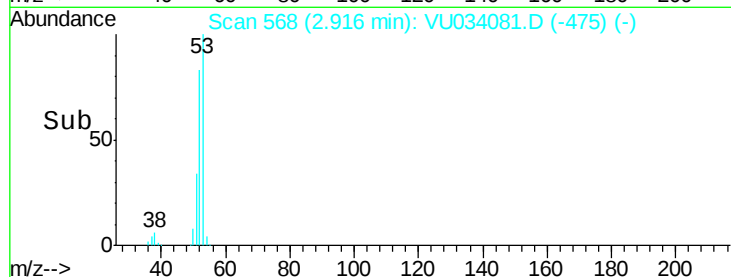
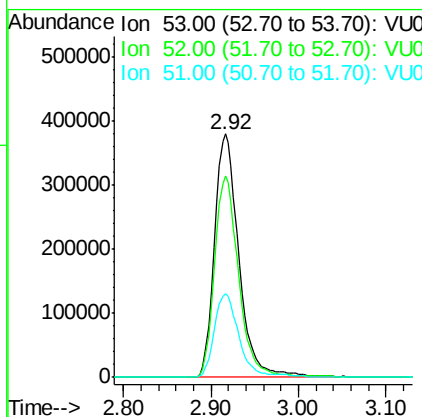
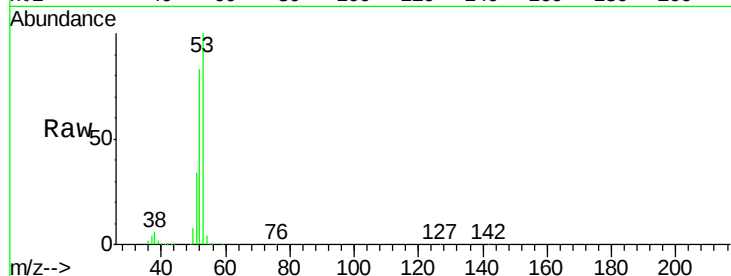
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	737233
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	35.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 217.752 ug/l

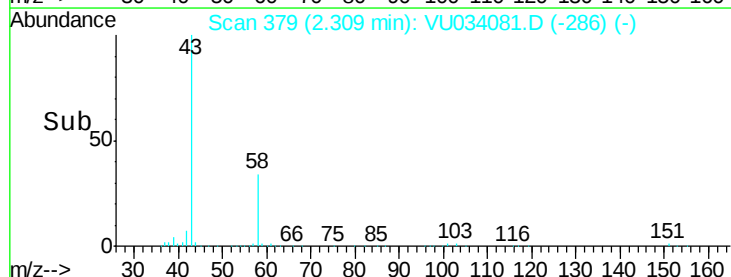
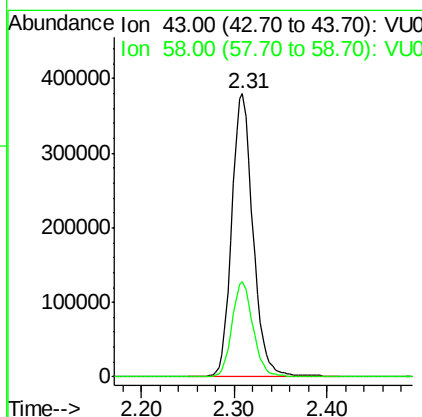
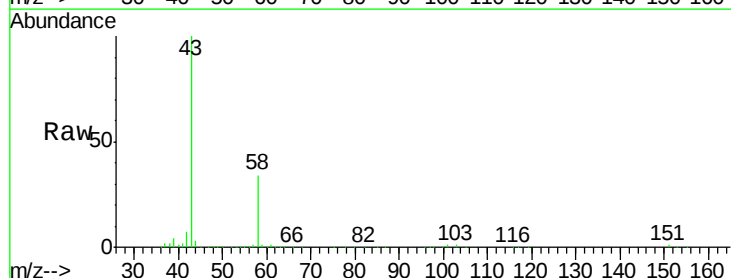
RT: 2.31 min Scan# 379

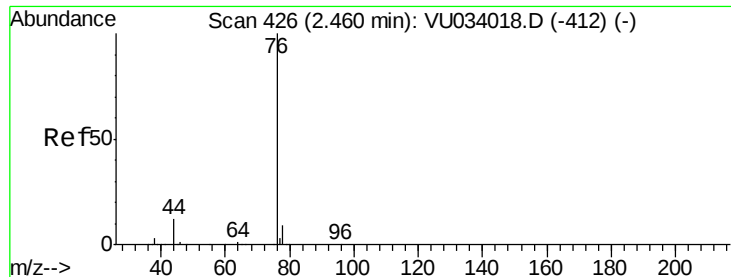
Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion	43	Resp	601984
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.8	40.2





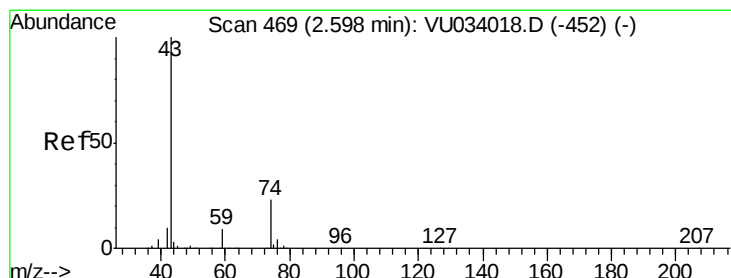
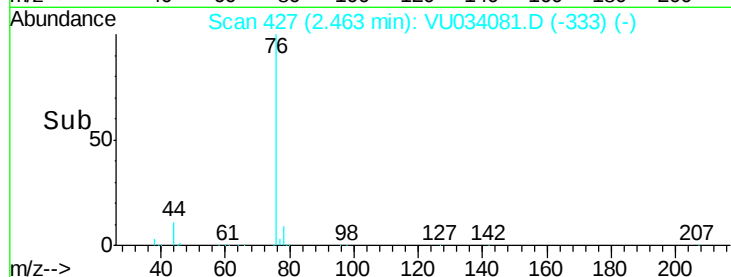
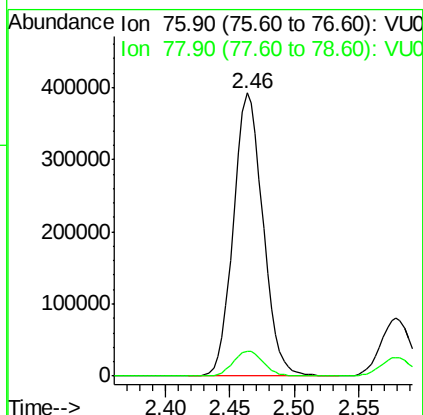
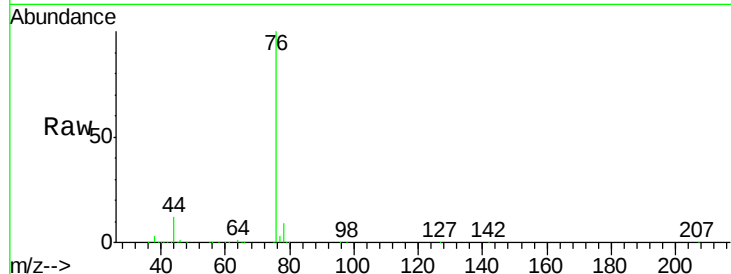
#17
Carbon Disulfide
Concen: 46.740 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

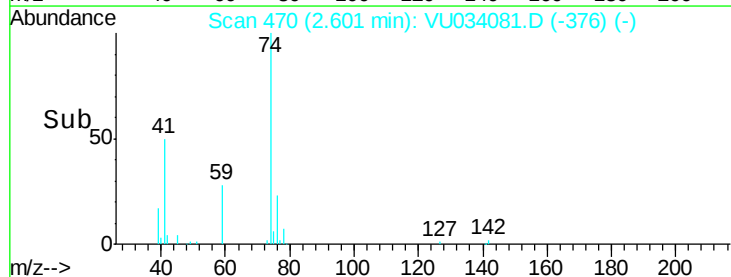
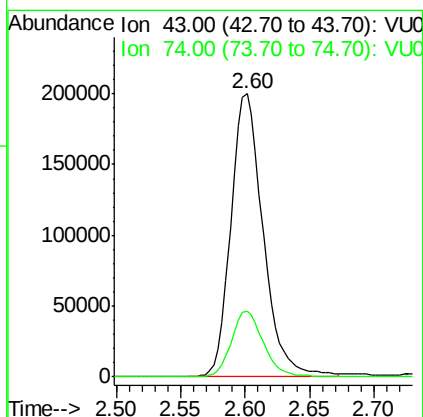
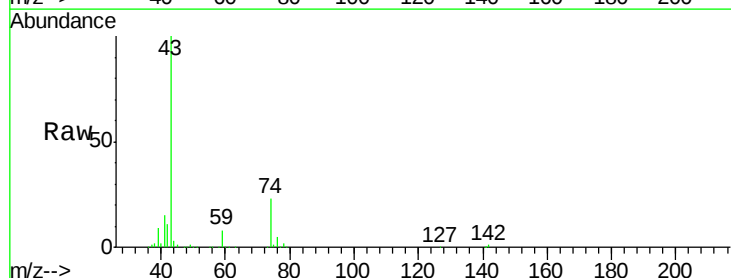
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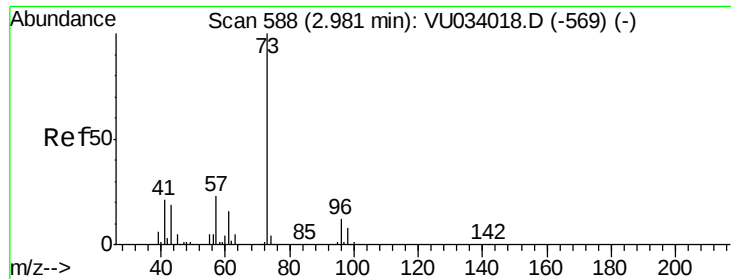
MMDadoda
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#18
Methyl Acetate
Concen: 48.310 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8





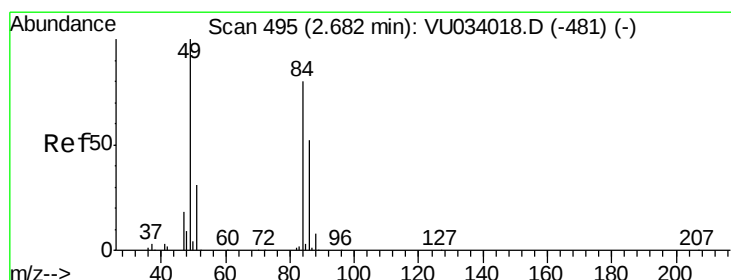
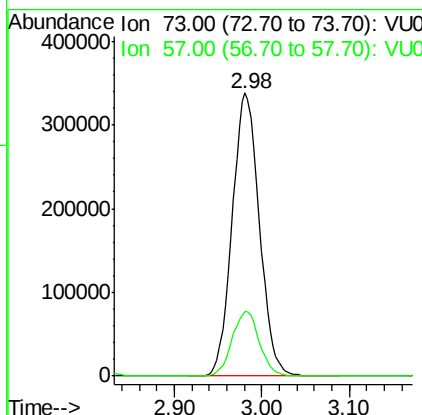
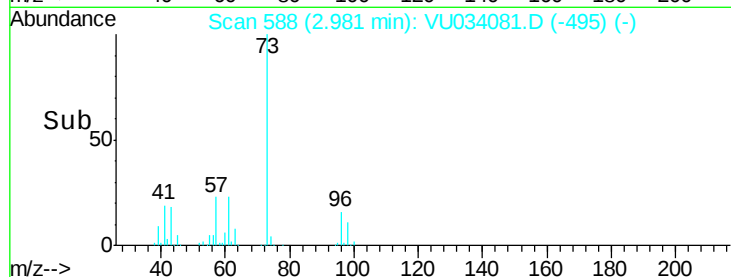
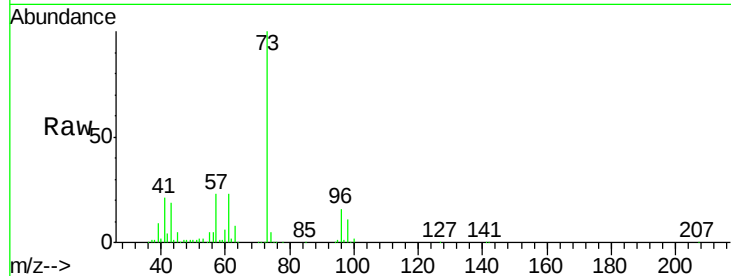
#19
Methvl tert-butvl Ether
Concen: 52.521 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.3	27.5

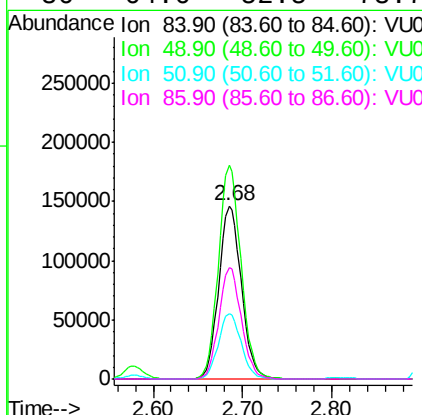
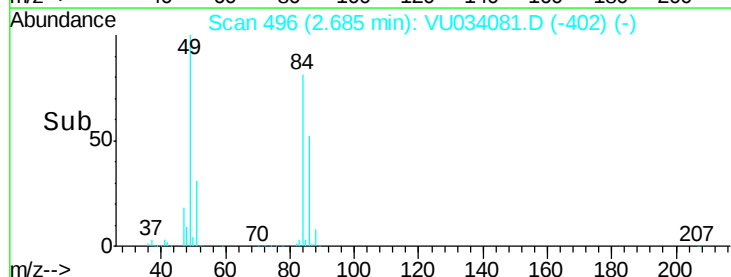
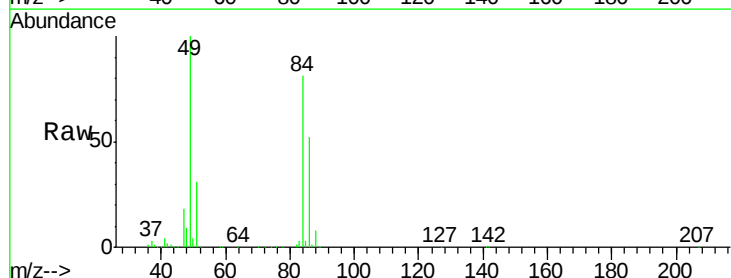
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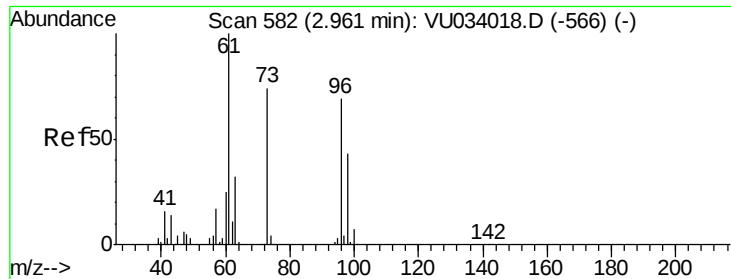
MMDadoda
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#20
Methylene Chloride
Concen: 49.170 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.5	100.2	150.4
51	38.0	30.8	46.2
86	64.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 49.888 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 229193

Ion Ratio Lower Upper

96 100

61 143.6 115.5 173.3

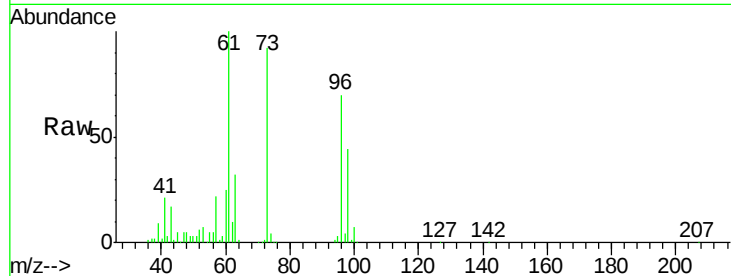
98 62.9 50.1 75.1

Manual Integrations

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Abundance Ion 95.90 (95.60 to 96.60): VU034081.D (-566) (-)

Ion 60.90 (60.60 to 61.60): VU034081.D (-566) (-)

Ion 97.90 (97.60 to 98.60): VU034081.D (-566) (-)

200000

150000

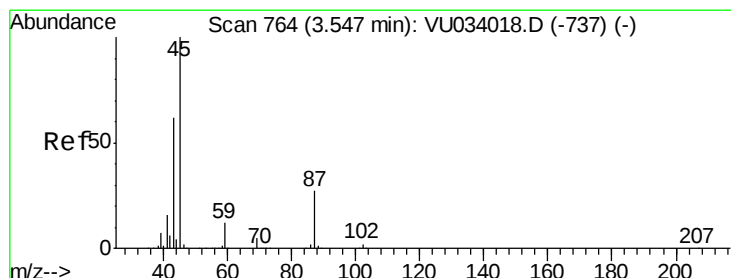
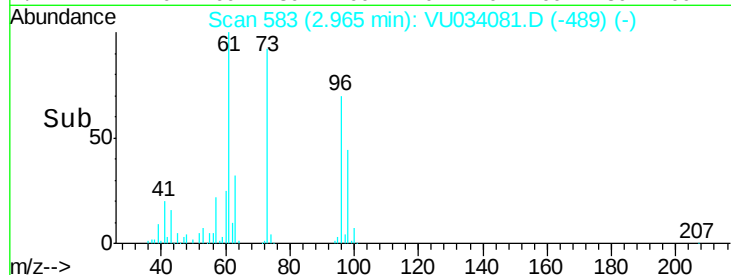
100000

50000

0

2.90 2.96 3.00

Time-->



#22

Diisopropyl ether

Concen: 52.474 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion: 45 Resp: 765279

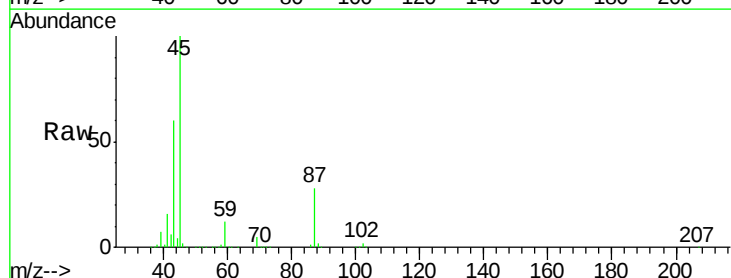
Ion Ratio Lower Upper

45 100

43 60.3 49.7 74.5

87 28.1 21.8 32.8

59 11.9 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VU034081.D (-737) (-)

Ion 43.00 (42.70 to 43.70): VU034081.D (-737) (-)

Ion 87.00 (86.70 to 87.70): VU034081.D (-737) (-)

Ion 59.00 (58.70 to 59.70): VU034081.D (-737) (-)

2000000

1500000

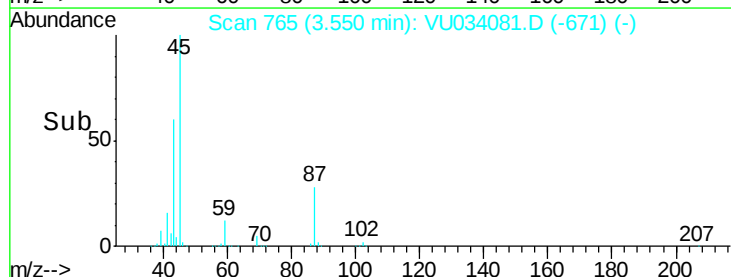
1000000

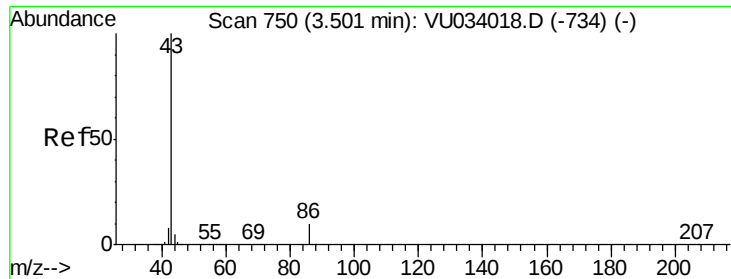
500000

0

3.40 3.50 3.55 3.60 3.70

Time-->





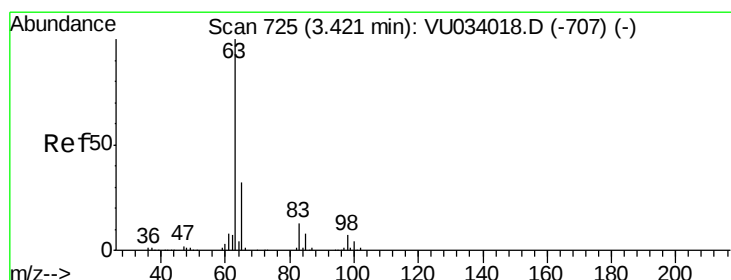
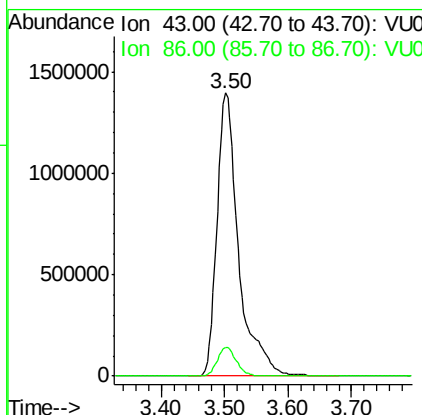
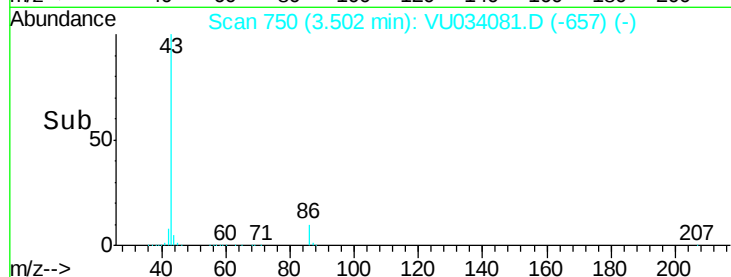
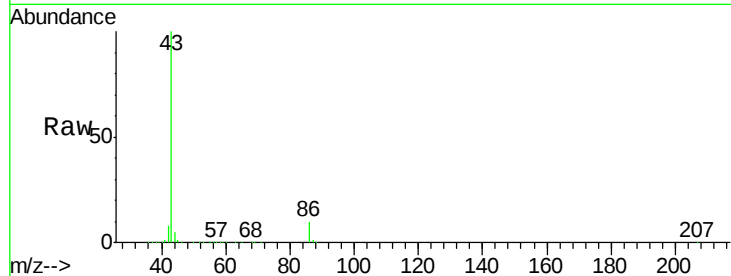
#23
 Vinyl Acetate
 Concen: 263.871 ug/l
 RT: 3.50 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3305816
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.3 12.5

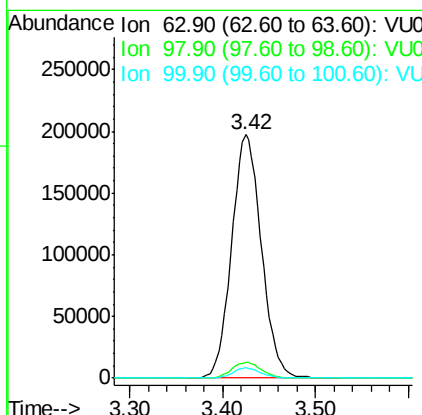
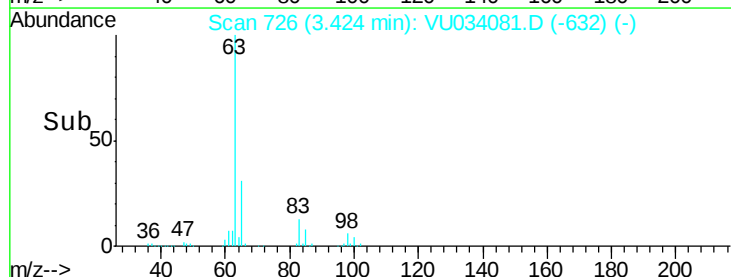
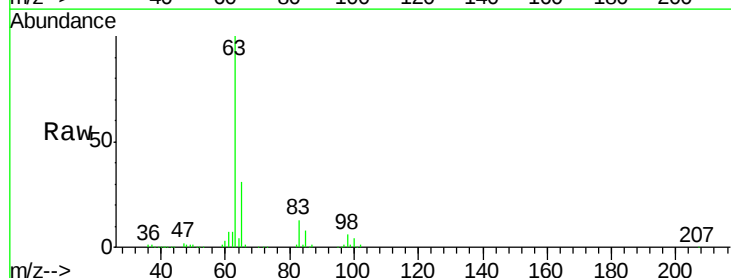
Manual Integrations
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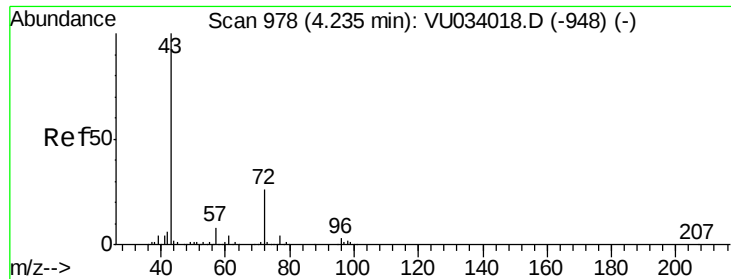
MMDadoda
 8/30/2019 12:52:34 PM



#24
 1,1-Dichloroethane
 Concen: 50.852 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion: 63 Resp: 437852
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 250.808 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 964659

Ion Ratio Lower Upper

43 100

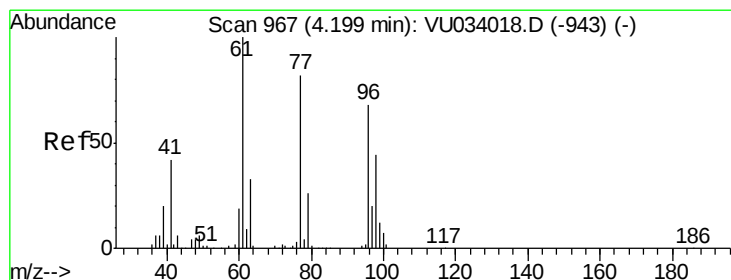
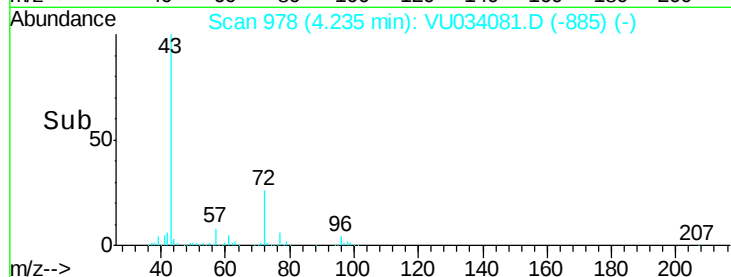
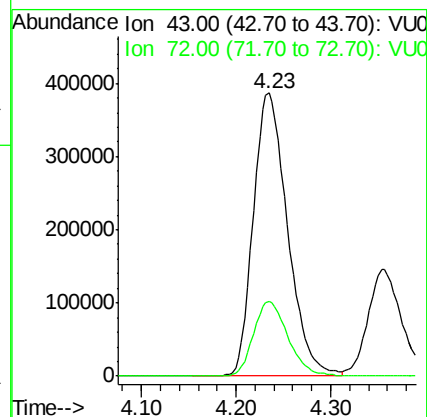
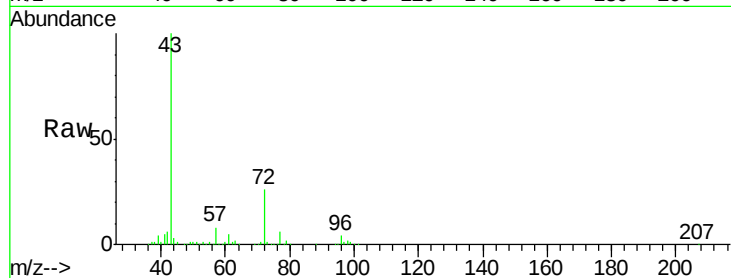
72 26.5 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.341 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034081.D

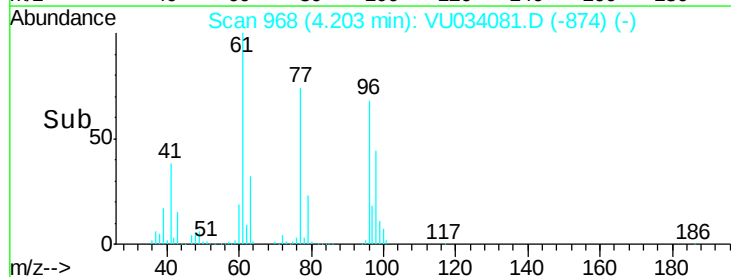
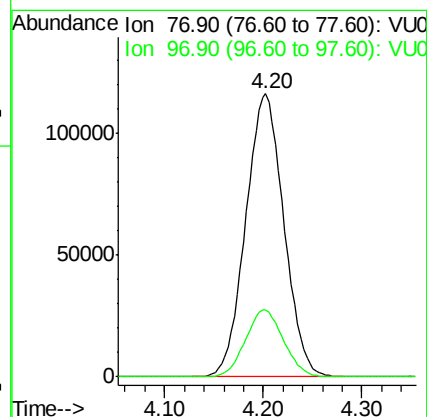
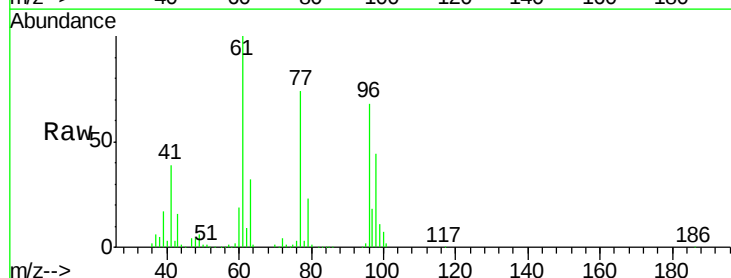
Acq: 29 Aug 2019 22:38

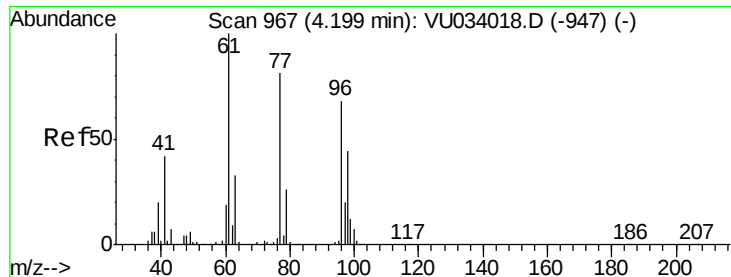
Tgt Ion: 77 Resp: 310659

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.7





#27

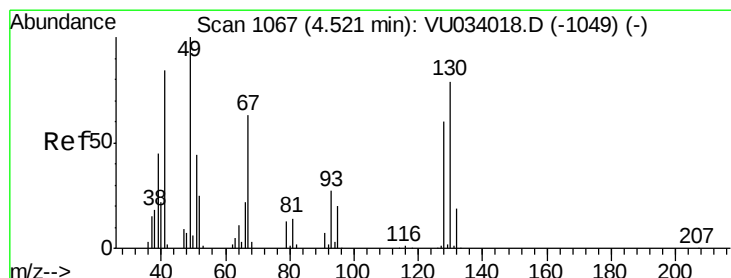
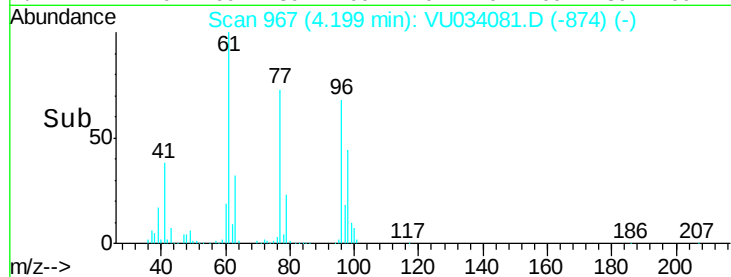
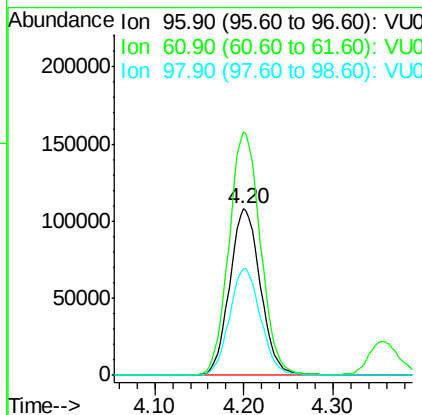
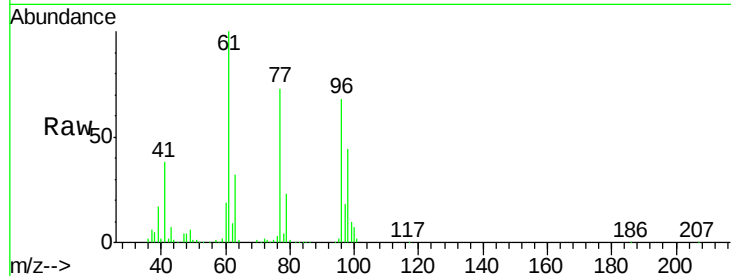
cis-1,2-Dichloroethene
Concen: 50.279 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	259268		
61	149.4	0.0	303.0	
98	64.7	0.0	129.2	

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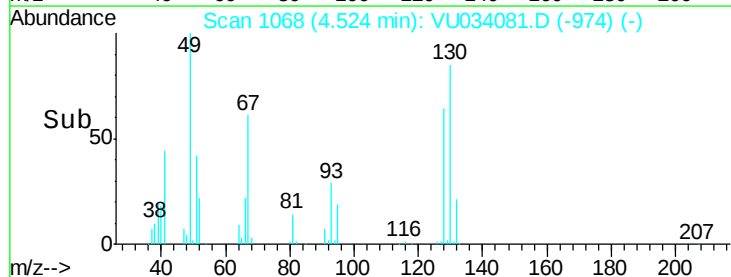
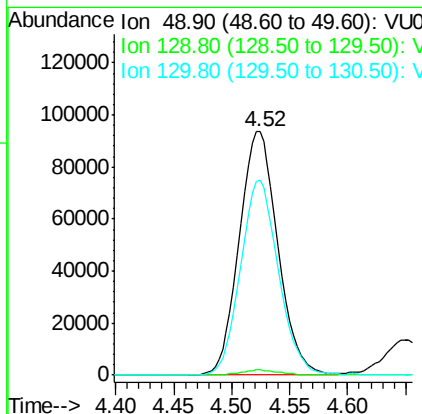
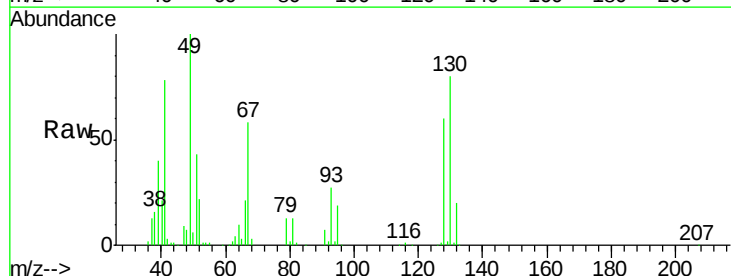
MMDadoda
8/30/2019 12:52:34 PM

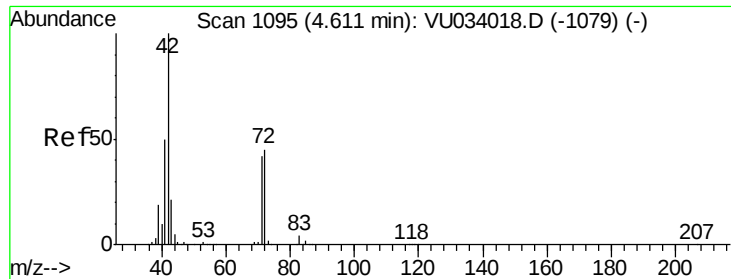


#28

Bromochloromethane
Concen: 51.173 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217080		
129	2.1	0.0	3.6	
130	78.8	62.8	94.2	





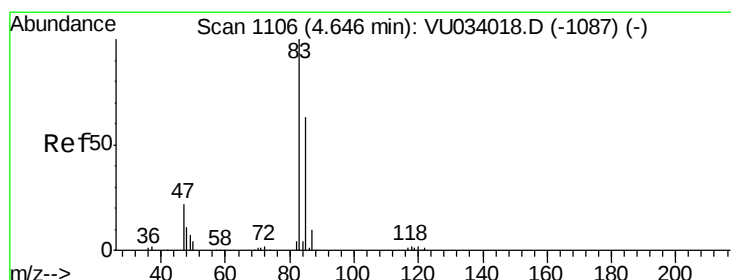
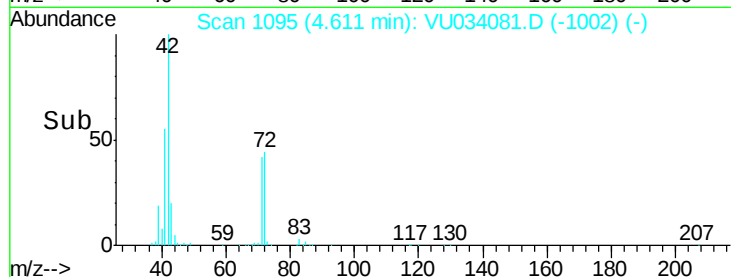
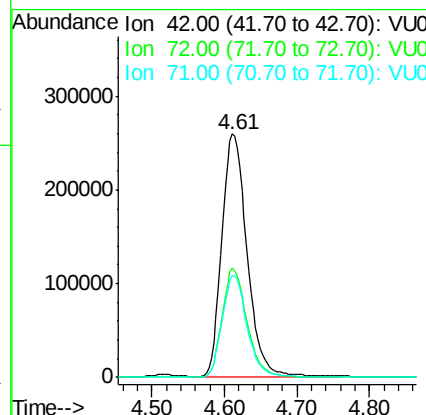
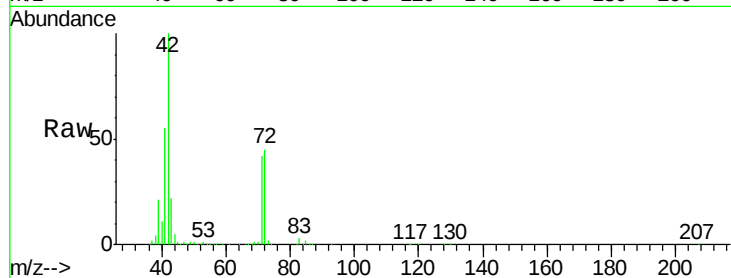
#29
Tetrahydrofuran
Concen: 264.015 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.8	53.6
71	41.5	34.0	51.0

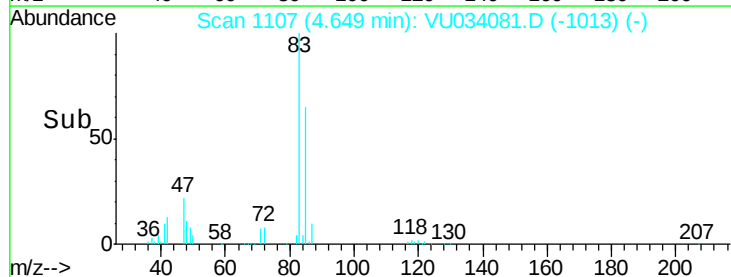
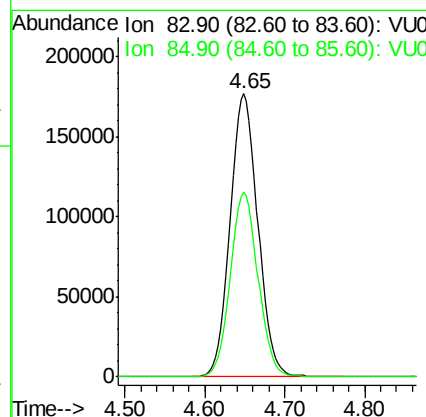
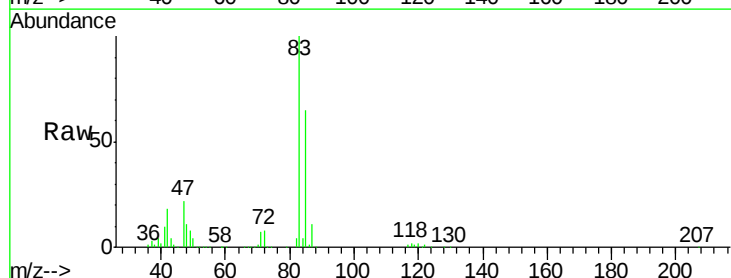
Manual Integrations
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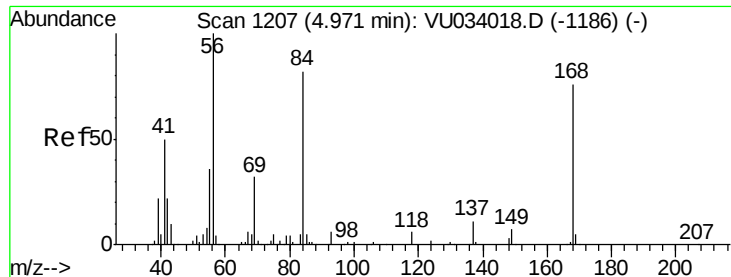
MMDadoda
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#30
Chloroform
Concen: 48.960 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.7	76.1





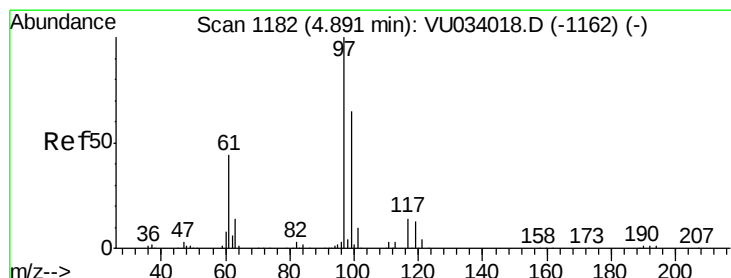
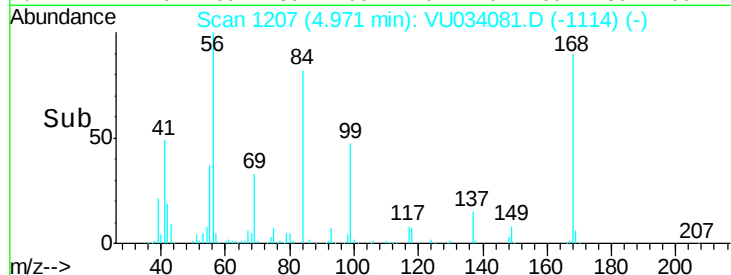
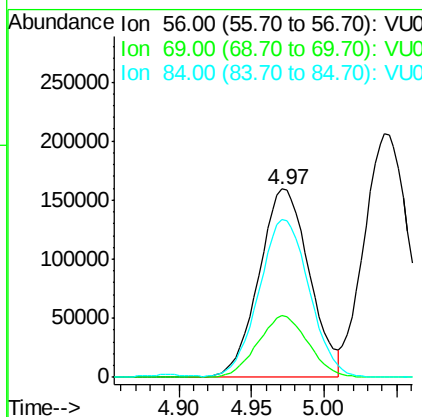
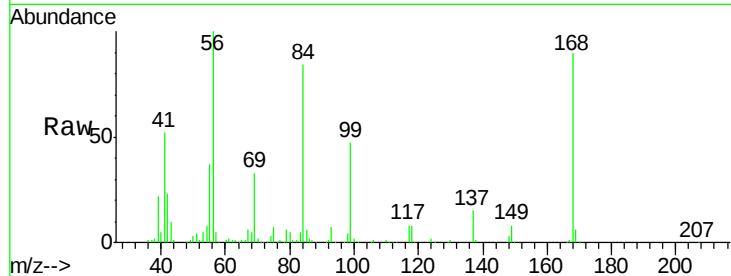
#31
Cyclohexane
Concen: 47.570 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.4	38.0
84	83.1	65.8	98.8

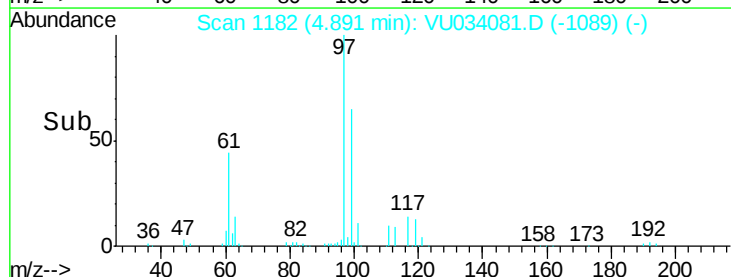
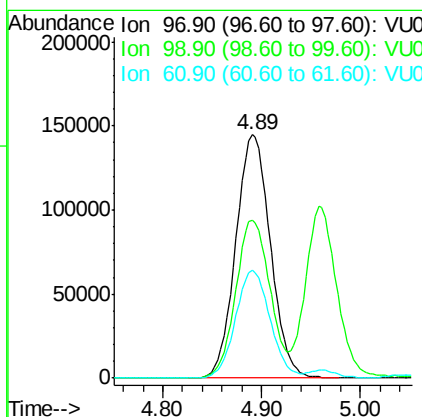
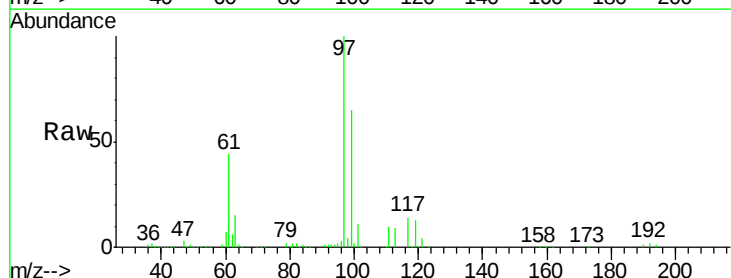
Manual Integrations
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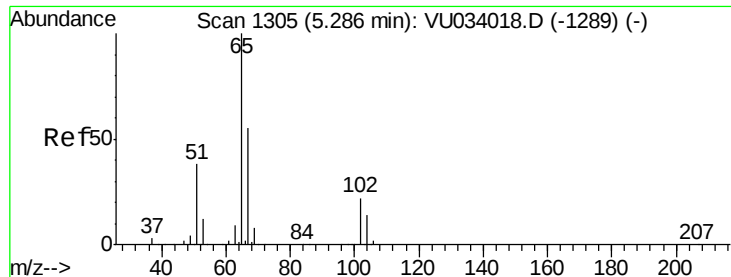
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.107 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	44.2	35.3	52.9





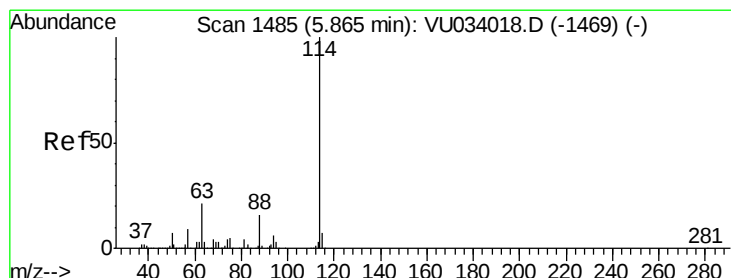
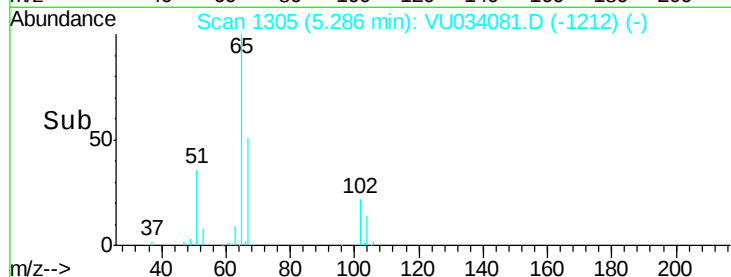
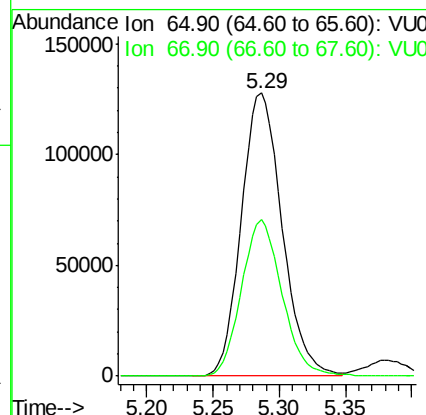
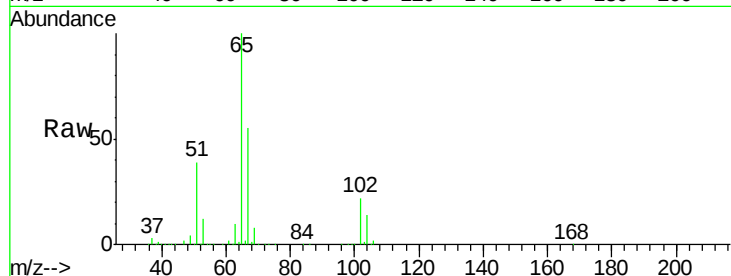
#33
 1,2-Dichloroethane-d4
 Concen: 50.494 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	273579		
67	55.1	0.0	110.6	

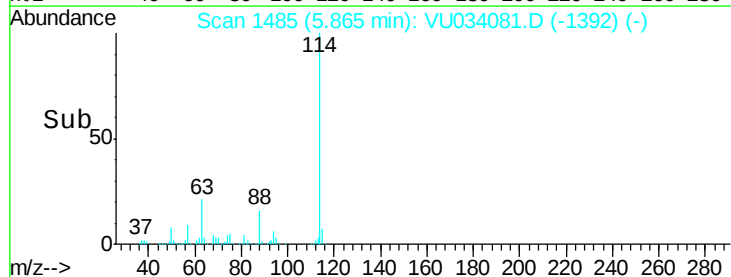
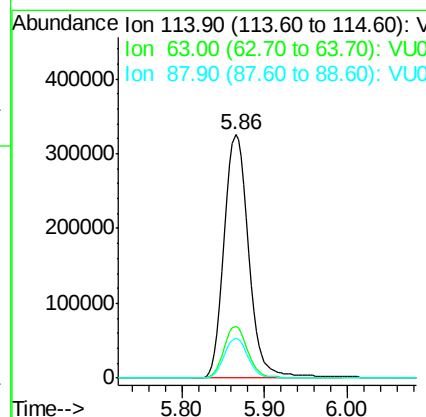
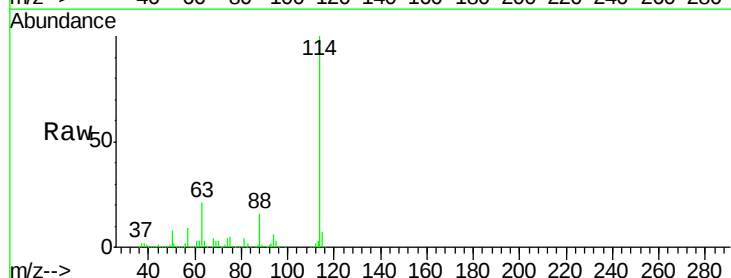
Manual Integrations
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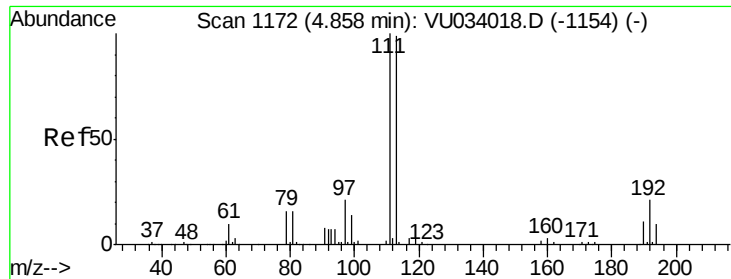
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	673112		
63	21.4	0.0	42.0	
88	16.3	0.0	32.0	





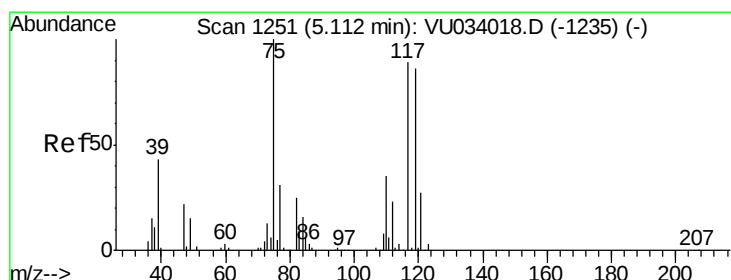
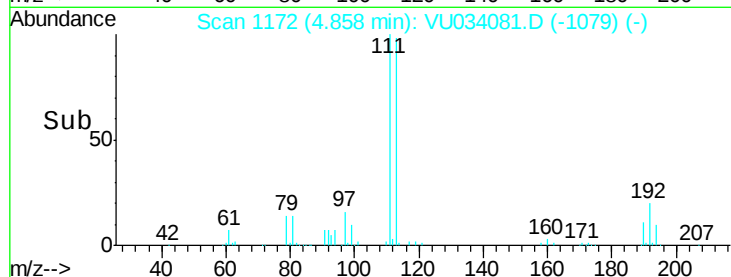
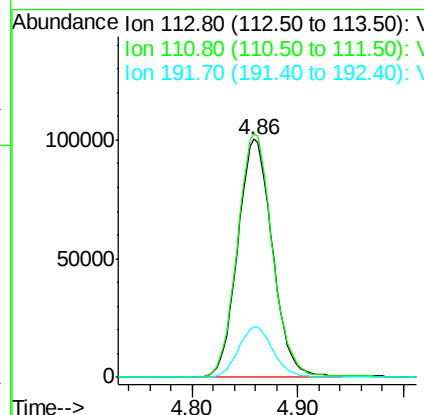
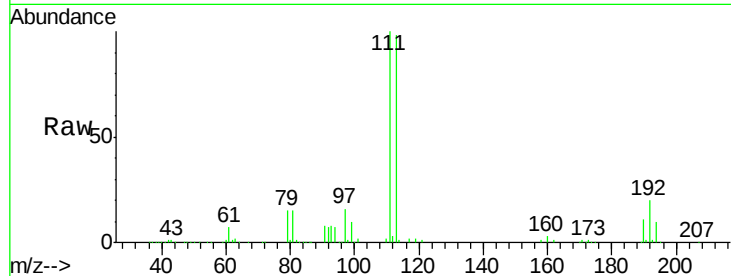
#35
 Dibromofluoromethane
 Concen: 49.230 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	229838		
111	102.7		81.7	122.5
192	21.1		17.1	25.7

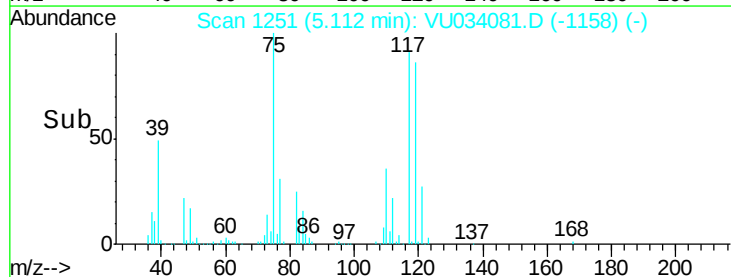
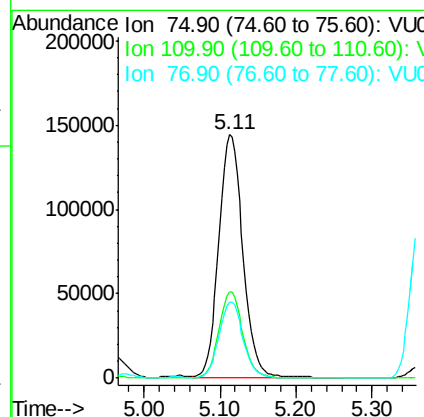
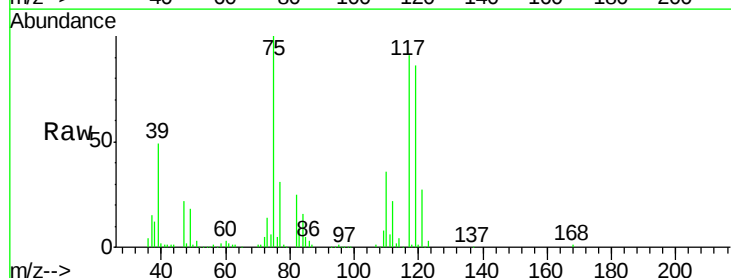
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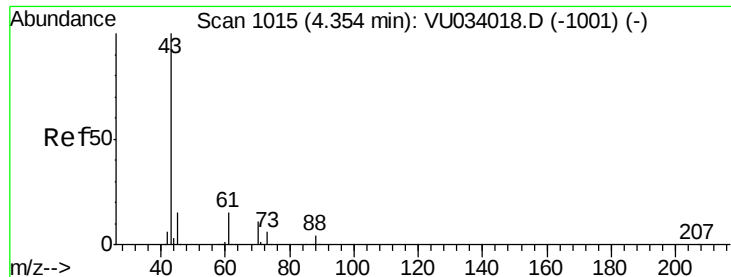
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#36
 1,1-Dichloropropene
 Concen: 49.726 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	316592		
110	35.4		17.8	53.5
77	30.7		25.0	37.4





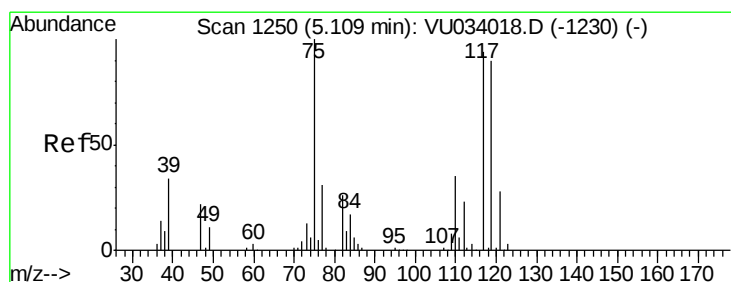
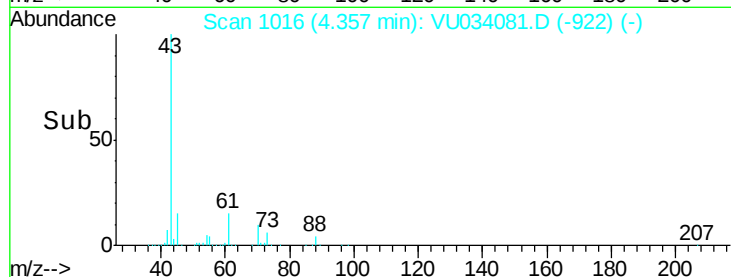
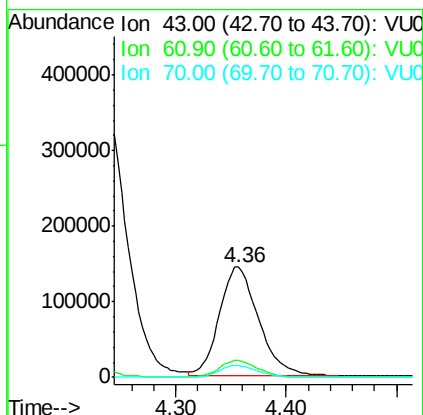
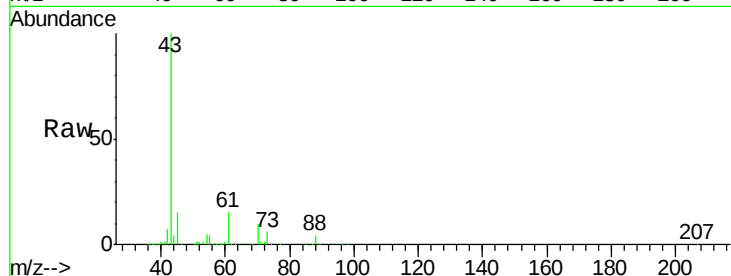
#37
Ethyl Acetate
Concen: 49.525 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.5	17.3
70	11.0	8.6	12.8

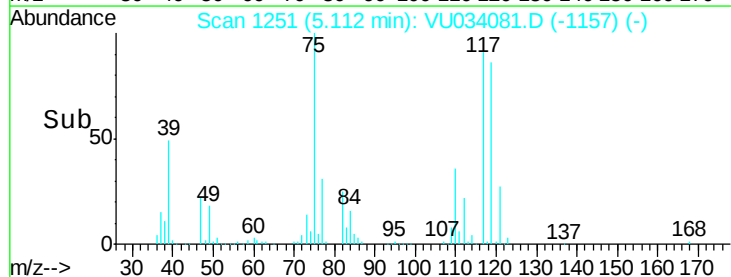
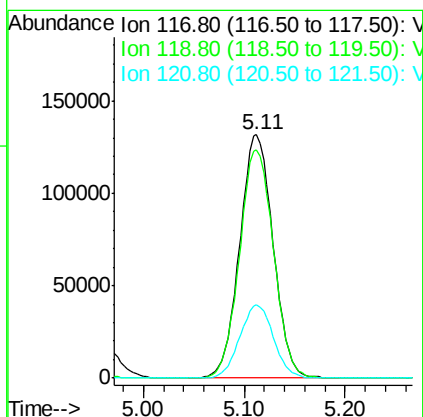
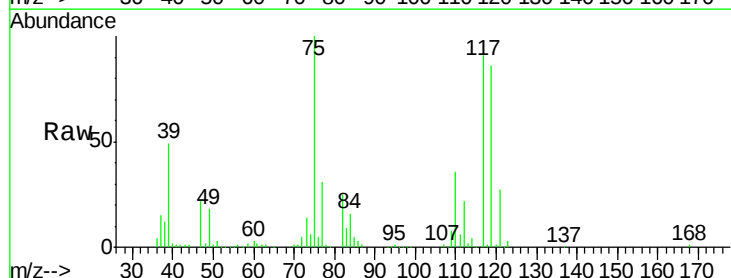
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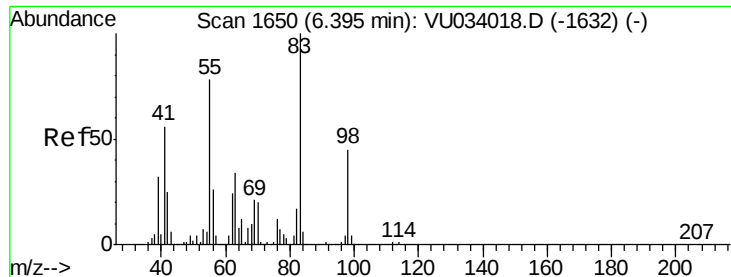
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.992 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.0	115.4
121	30.2	23.9	35.9





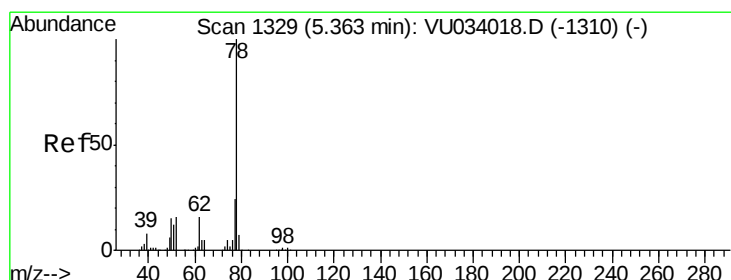
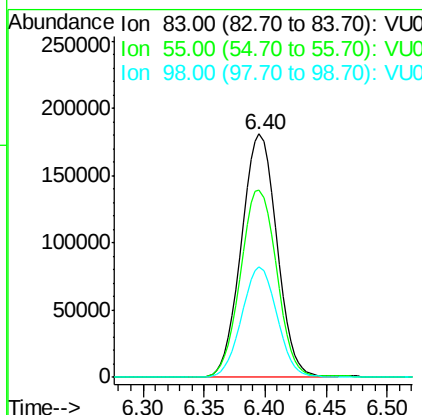
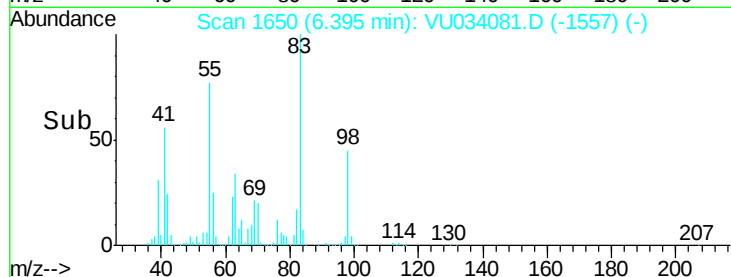
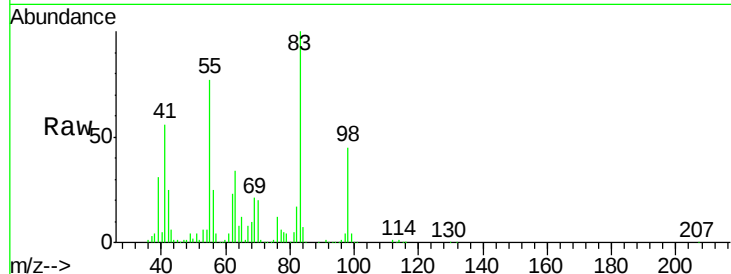
#39
Methylvlcvclohexane
Concen: 48.626 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	364891		
55	77.0	62.3	93.5	
98	45.2	36.2	54.2	

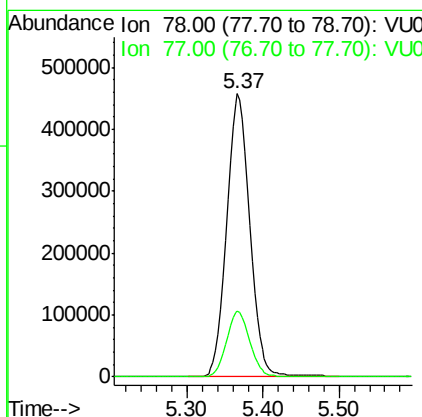
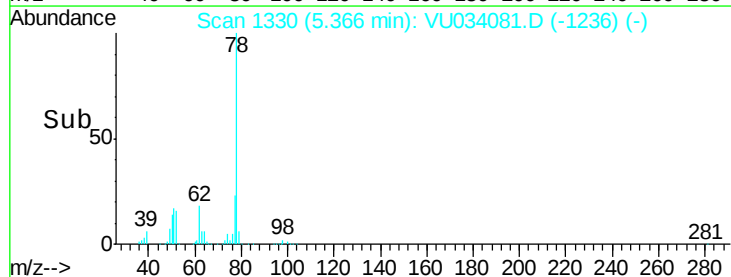
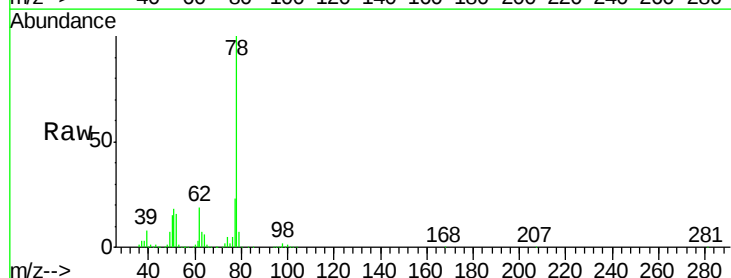
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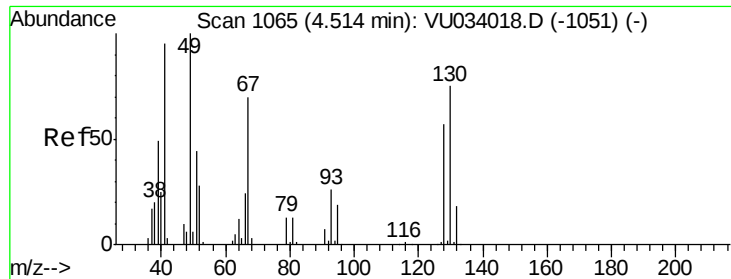
MMDadoda
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#40
Benzene
Concen: 50.598 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	974660		
77	23.4	19.0	28.6	





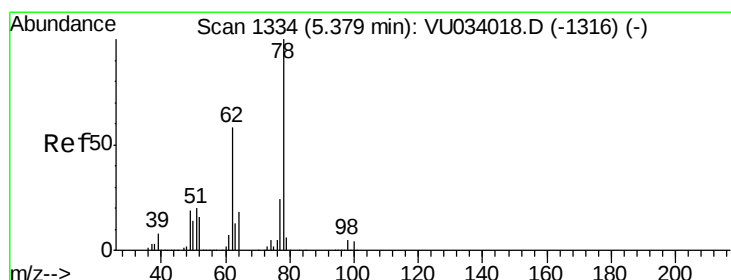
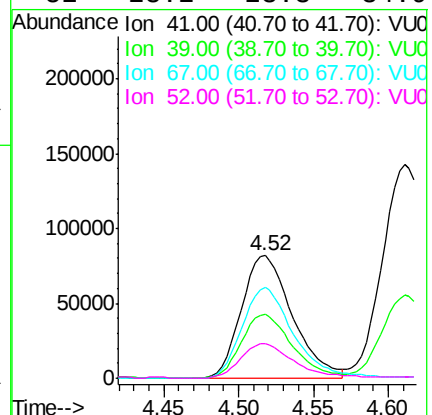
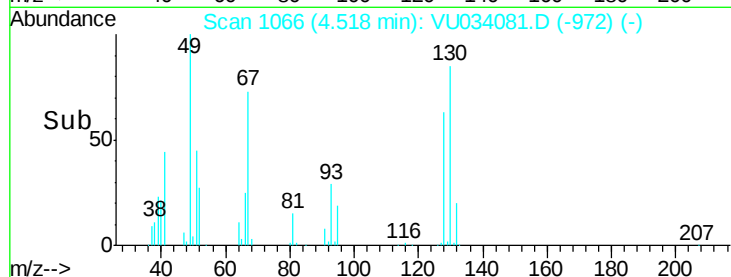
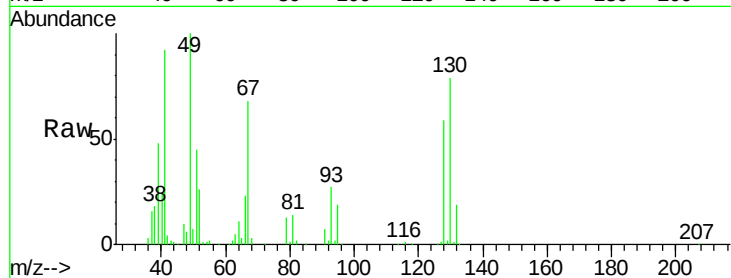
#41
Methacrylonitrile
Concen: 52.664 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.1	63.1	
67	76.8	61.0	91.4	
52	28.2	23.3	34.9	

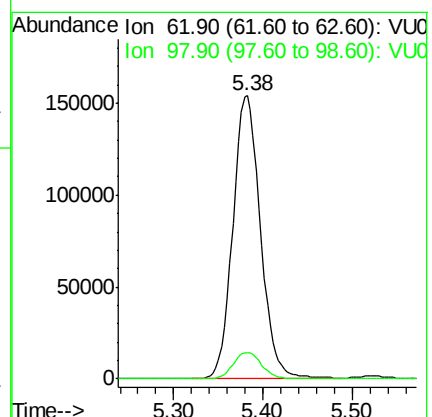
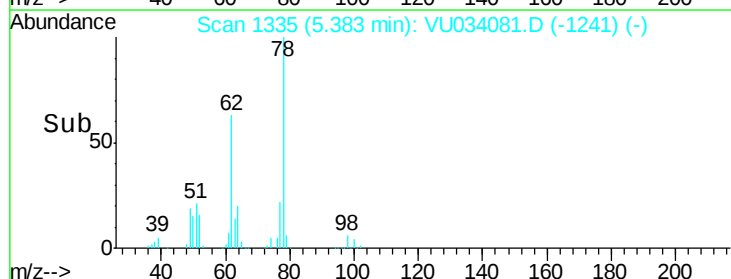
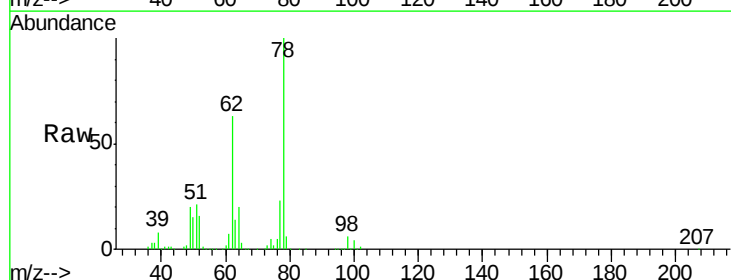
Manual Integrations
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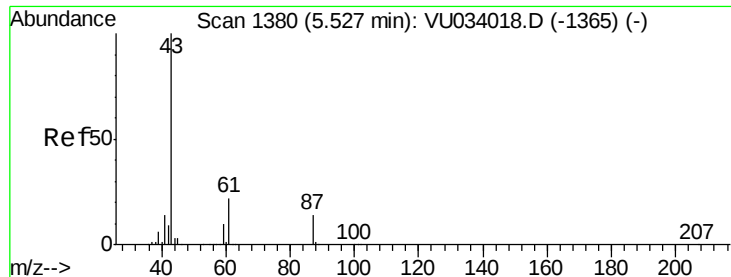
MMDadoda
8/30/2019 12:52:34 PM



#42
1,2-Dichloroethane
Concen: 49.675 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	18.2	





#43

Isopropyl Acetate

Concen: 50.351 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

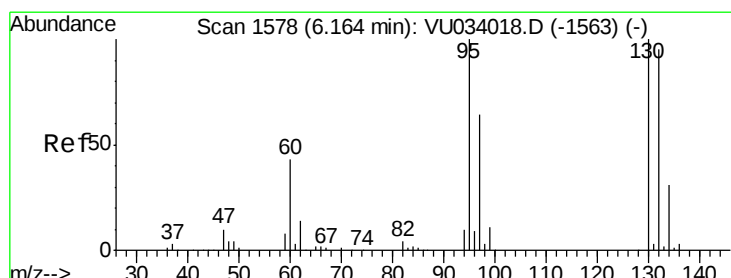
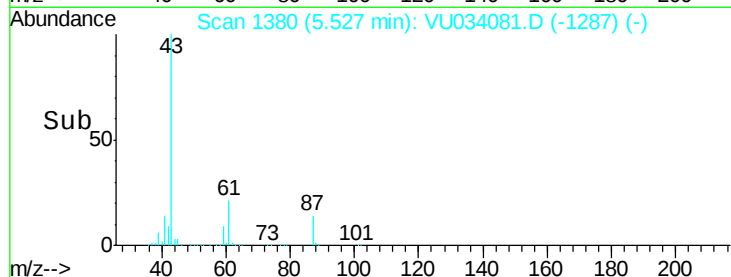
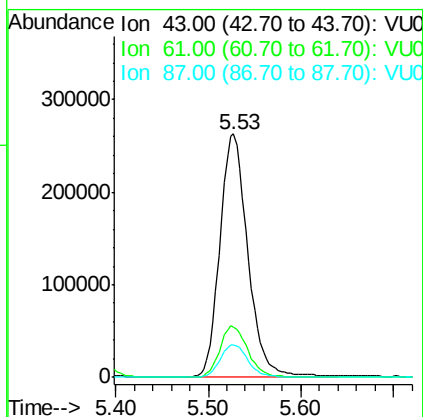
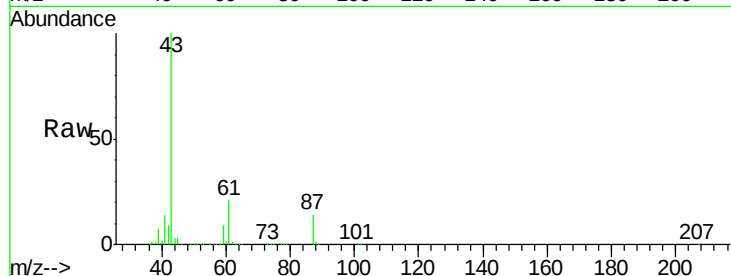
ClientSampleID :

VSTDCCC050EC

Tot Ion:	43	Resp:	546140
Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.2	25.8
87	13.5	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 51.912 ug/l

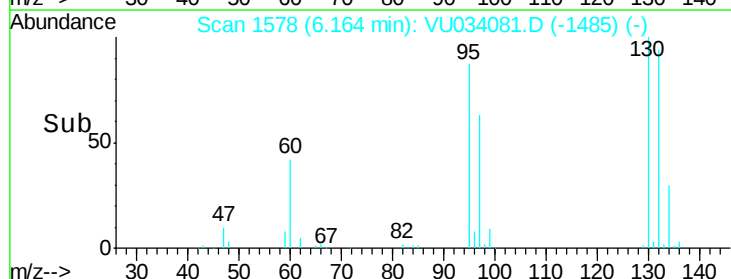
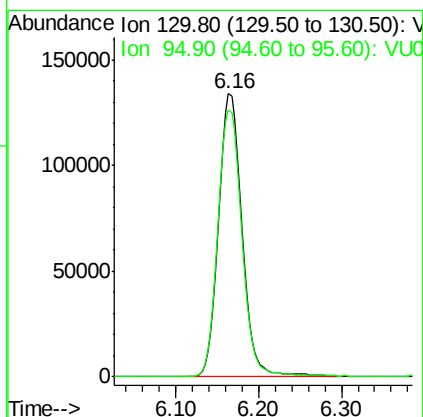
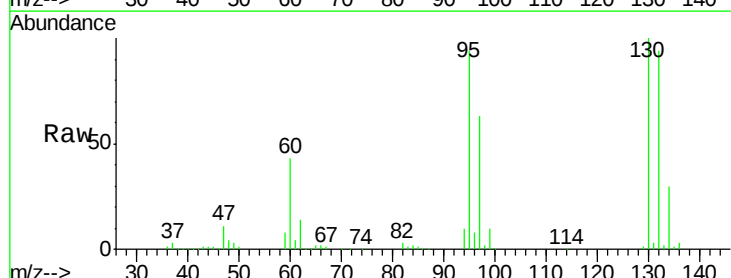
RT: 6.16 min Scan# 1578

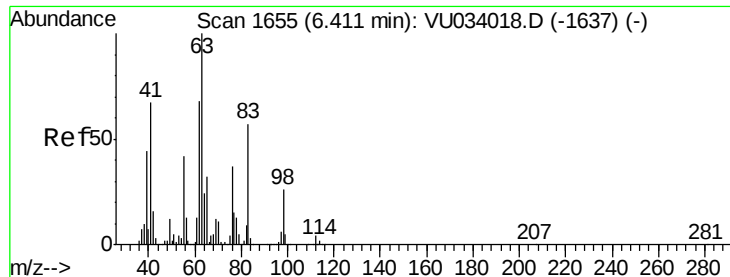
Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion:	130	Resp:	262594
Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	199.6





#45

1,2-Dichloropropane

Concen: 50.776 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 269246

Ion Ratio Lower Upper

63 100

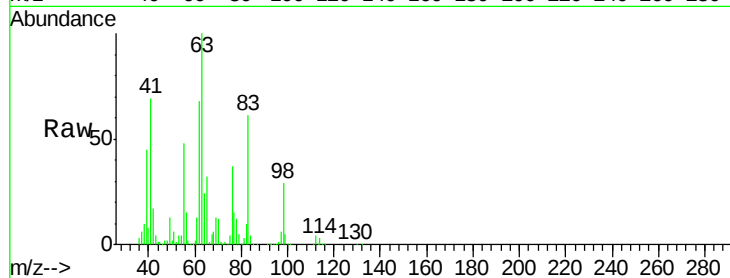
65 31.7 25.4 38.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.41

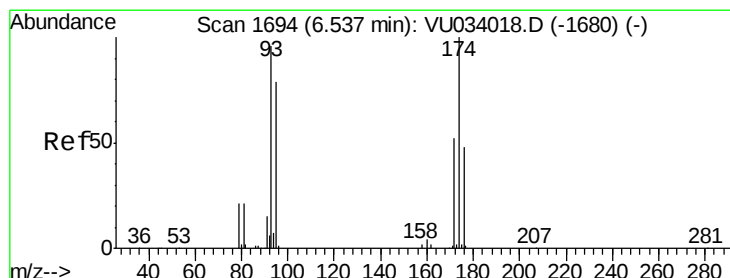
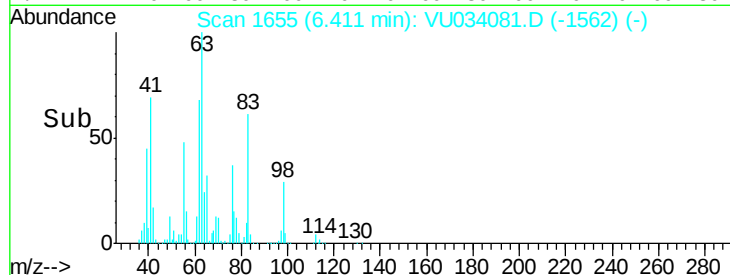
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.111 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

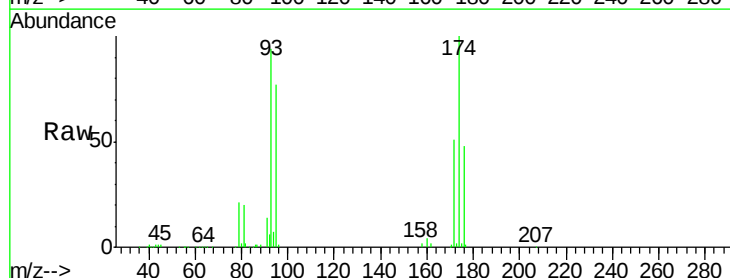
Tgt Ion: 93 Resp: 171192

Ion Ratio Lower Upper

93 100

95 82.1 66.7 100.1

174 104.4 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

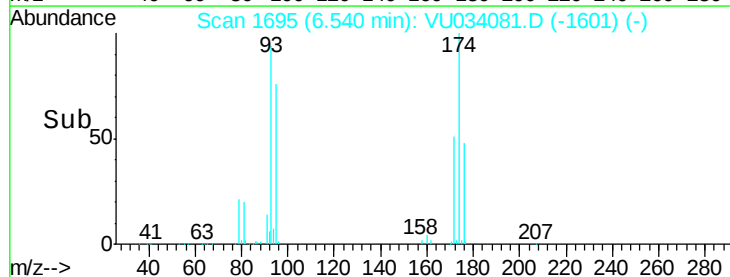
60000

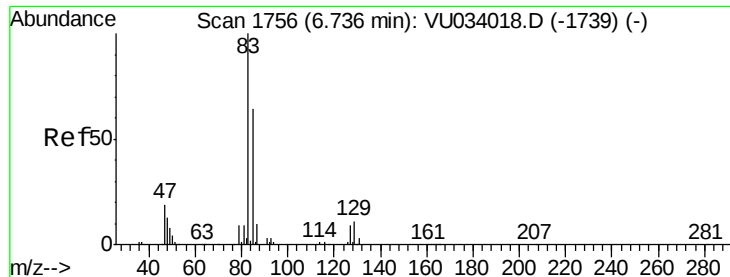
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 48.752 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

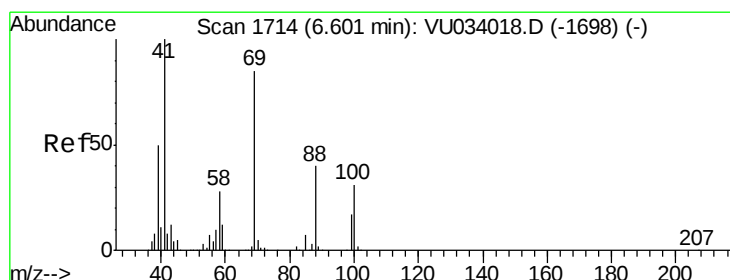
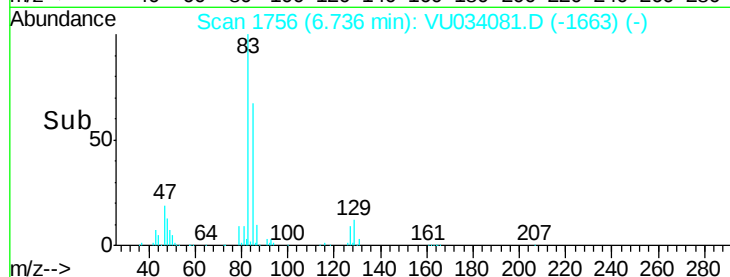
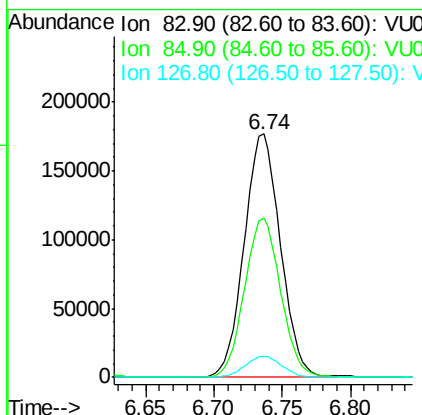
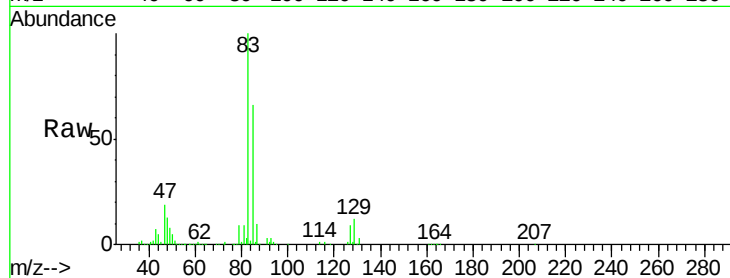
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	325852
Ion Ratio	Lower	Upper	
83	100		
85	65.6	51.2	76.8
127	8.8	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.979 ug/l

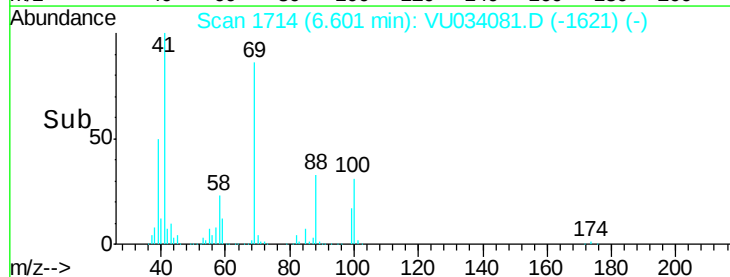
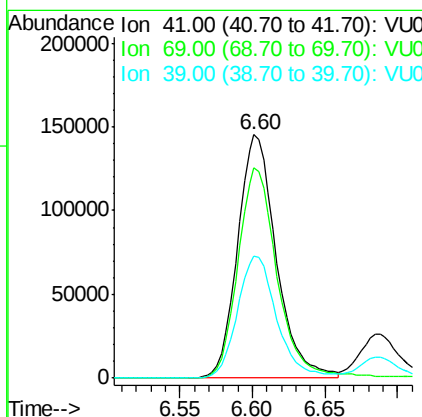
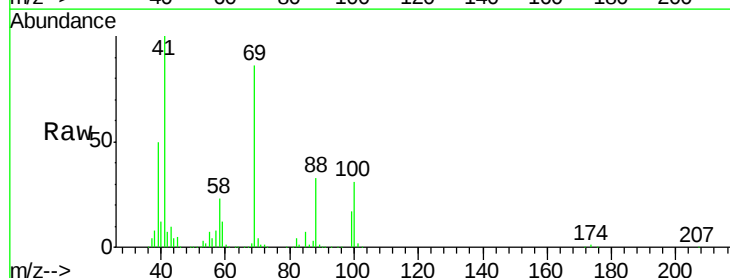
RT: 6.60 min Scan# 1714

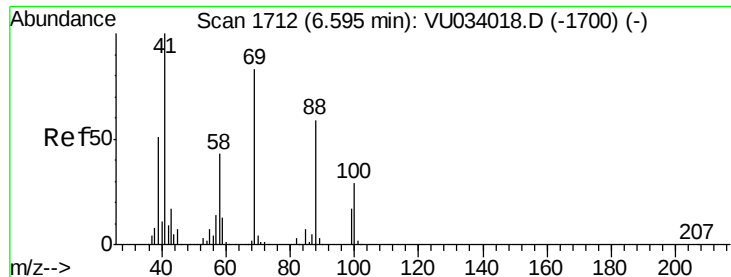
Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion:	41	Resp:	266829
Ion Ratio	Lower	Upper	
41	100		
69	88.8	69.5	104.3
39	50.9	40.3	60.5





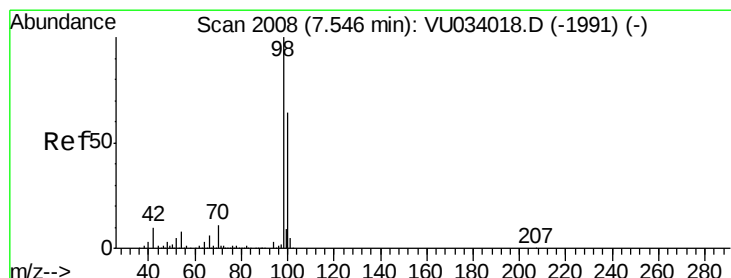
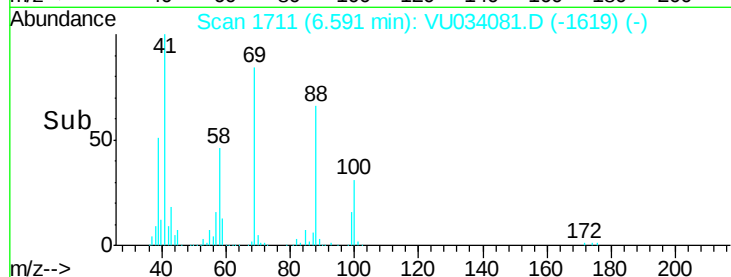
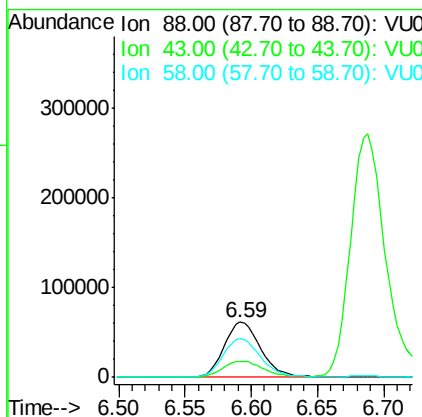
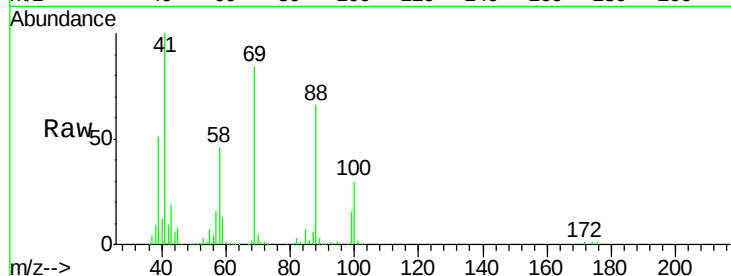
#49
 1,4-Dioxane
 Concen: 883.484 ug/l
 RT: 6.59 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	30.8	24.8	37.2	
58	73.8	59.3	88.9	

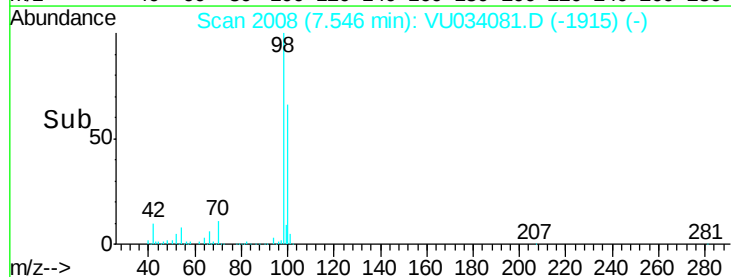
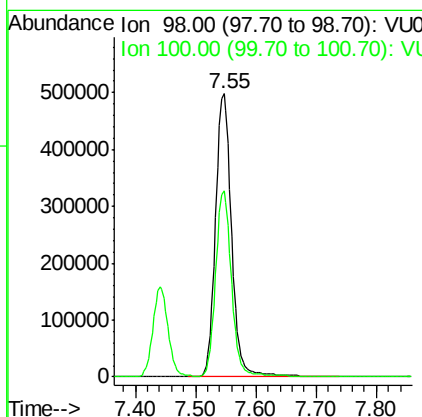
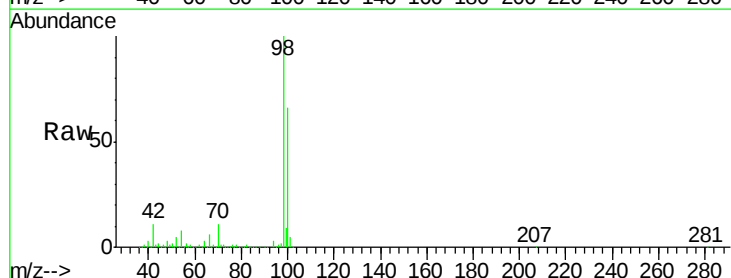
Manual Integrations
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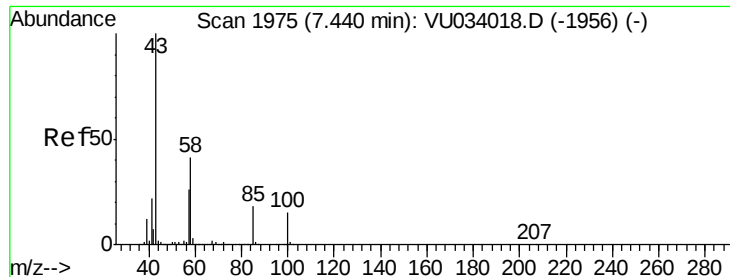
MMDadoda
 8/30/2019 12:52:34 PM



#50
 Toluene-d8
 Concen: 51.681 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.9	50.3	75.5	





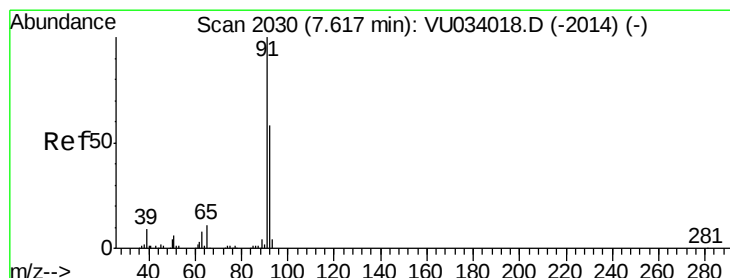
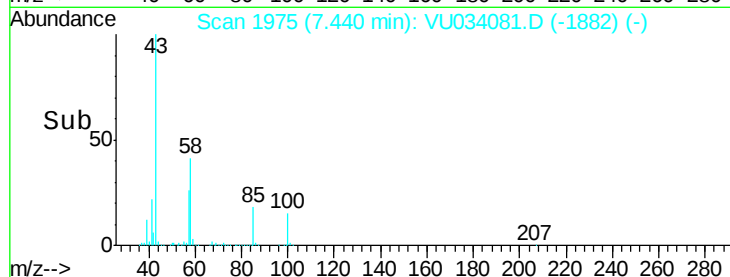
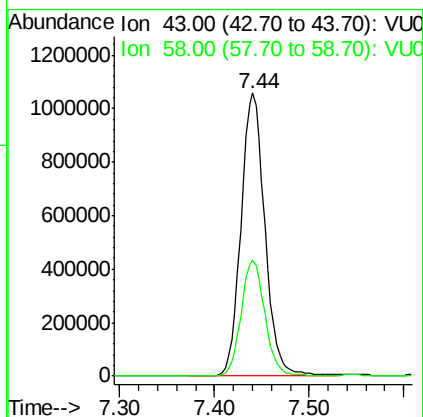
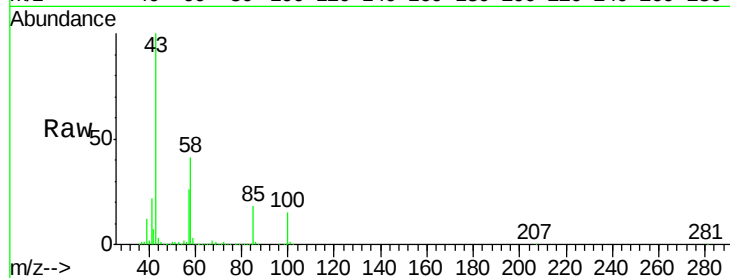
#51
4-Methyl-2-Pentanone
Concen: 247.744 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1855803
Ion Ratio Lower Upper
43 100
58 40.8 32.2 48.4

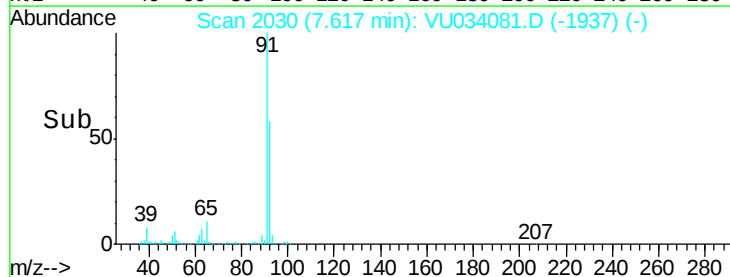
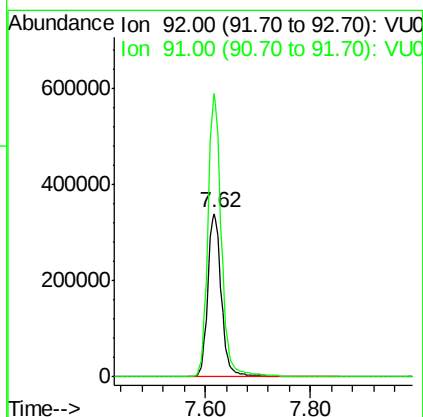
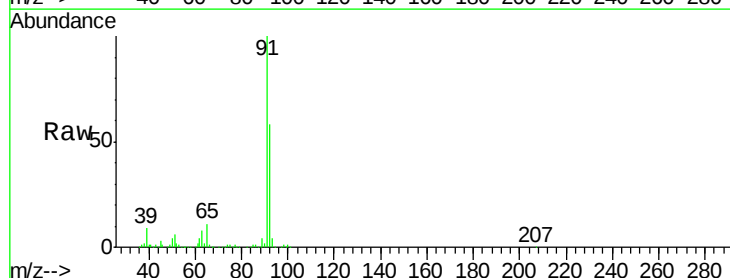
Manual Integrations
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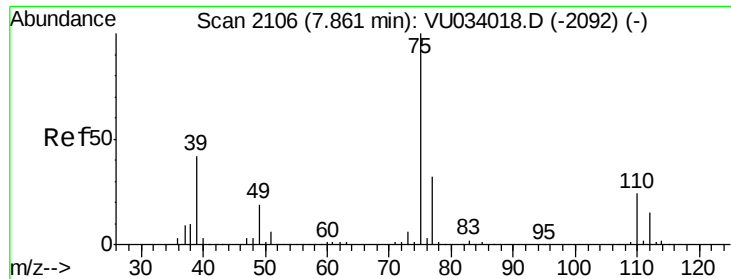
MMDadoda
8/30/2019 12:52:34 PM



#52
Toluene
Concen: 52.007 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion: 92 Resp: 617138
Ion Ratio Lower Upper
92 100
91 171.3 138.3 207.5





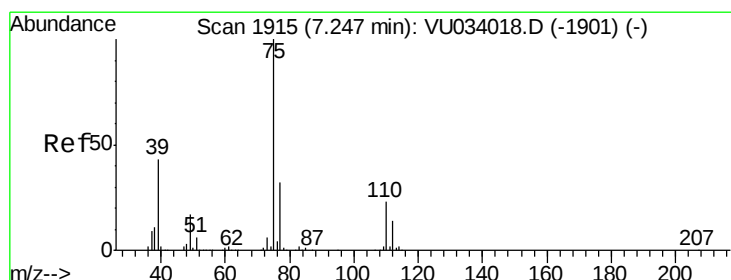
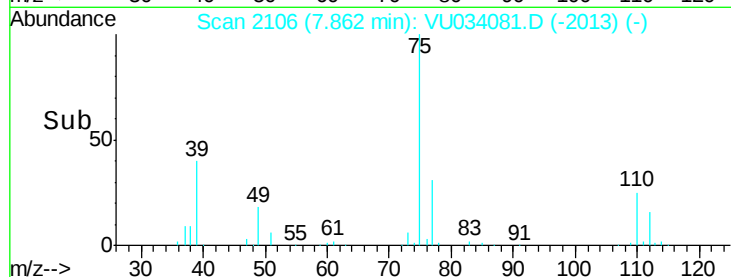
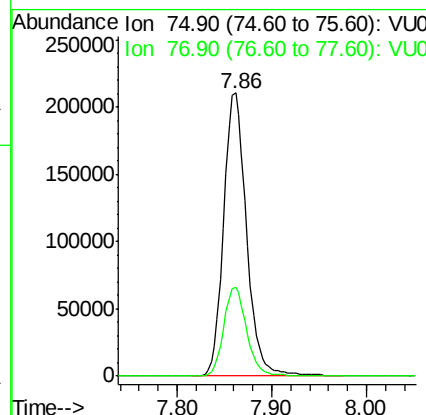
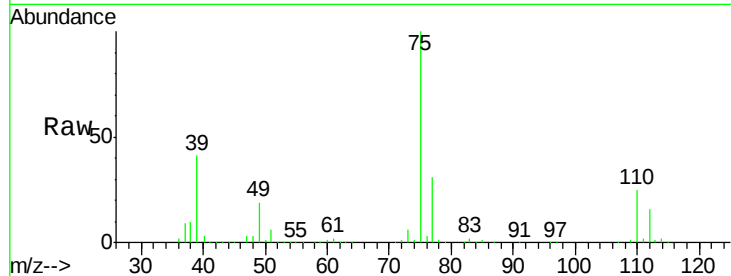
#53
 t-1,3-Dichloropropene
 Concen: 47.854 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 354906
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.0

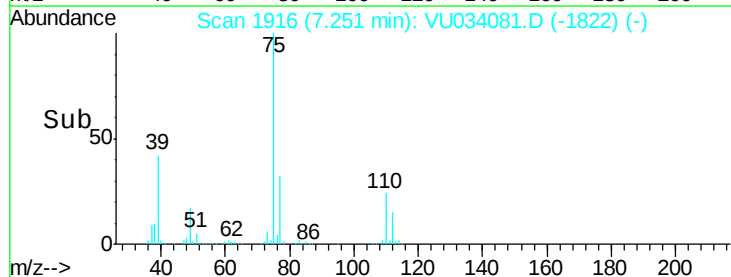
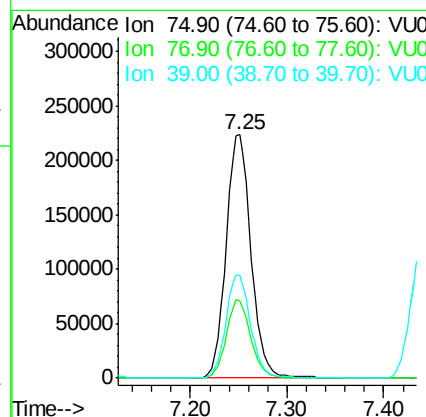
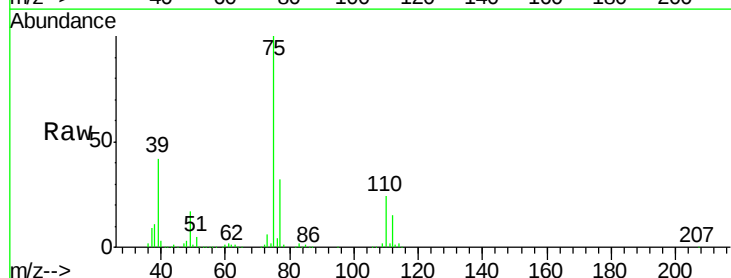
Manual Integrations
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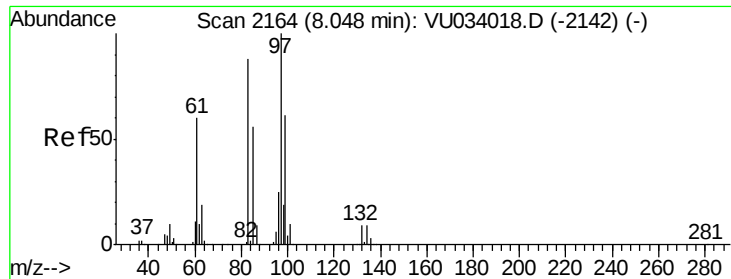
MMDadoda
 8/30/2019 12:52:34 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.187 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion: 75 Resp: 398538
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8
 39 42.0 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 49.273 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

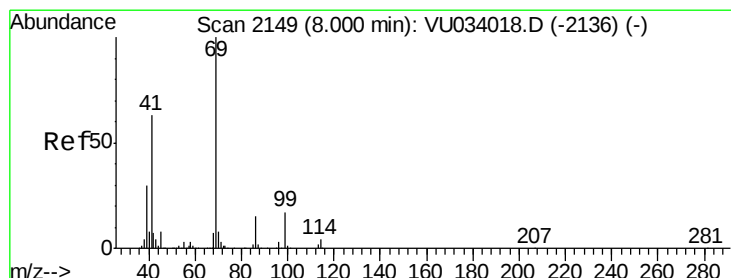
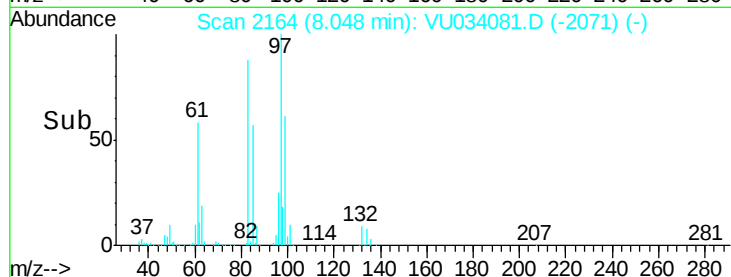
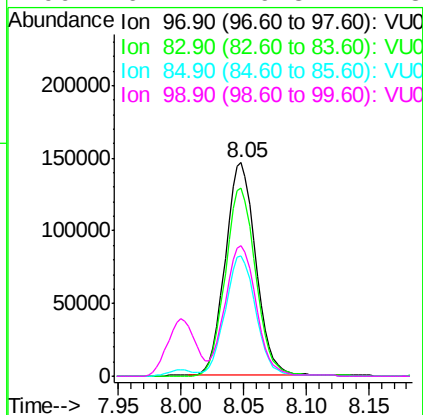
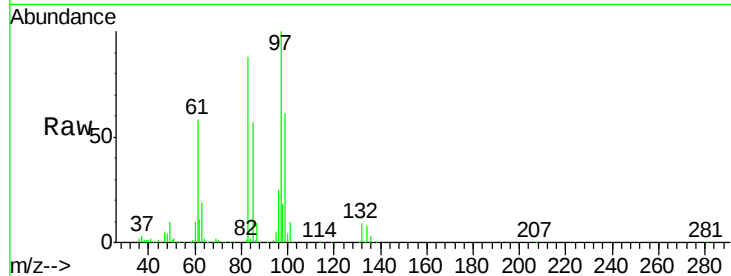
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	247318
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.1	105.1
85	56.6	45.0	67.4
99	61.2	49.8	74.8

Manual Integrations
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8/30/2019 12:52:34 PM



#56

Ethyl methacrylate

Concen: 45.149 ug/l

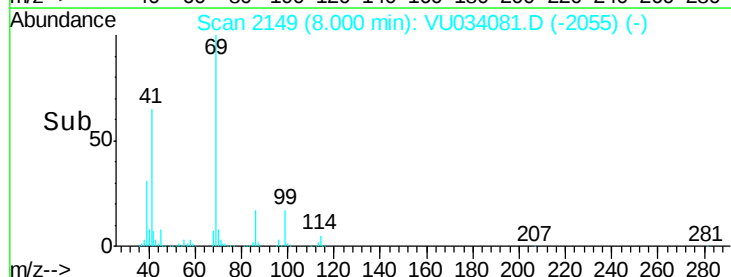
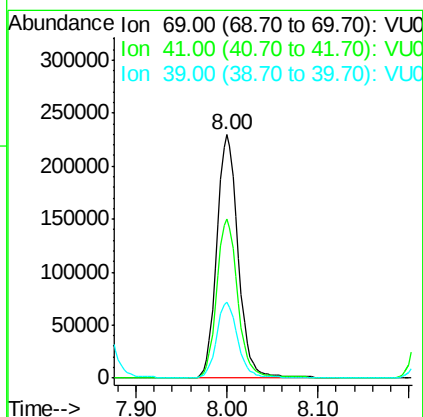
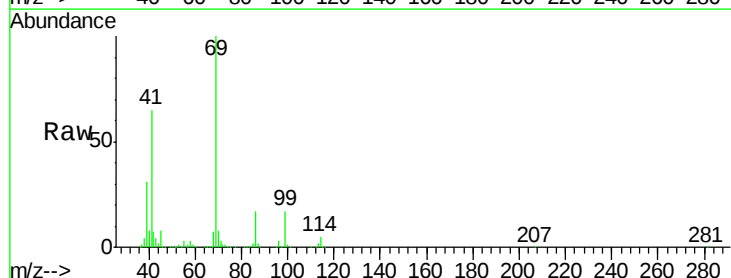
RT: 8.00 min Scan# 2149

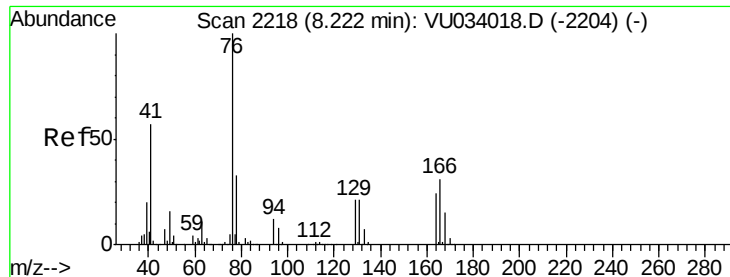
Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion:	69	Resp:	375100
Ion	Ratio	Lower	Upper
69	100		
41	64.3	50.7	76.1
39	30.6	24.2	36.2





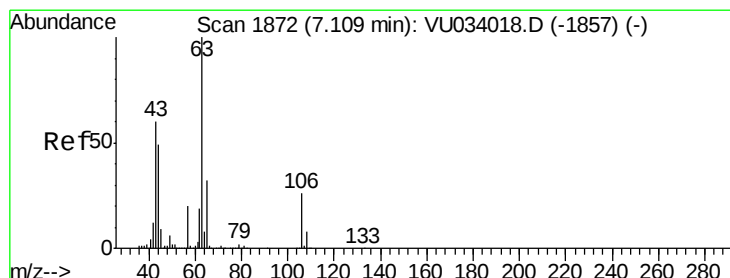
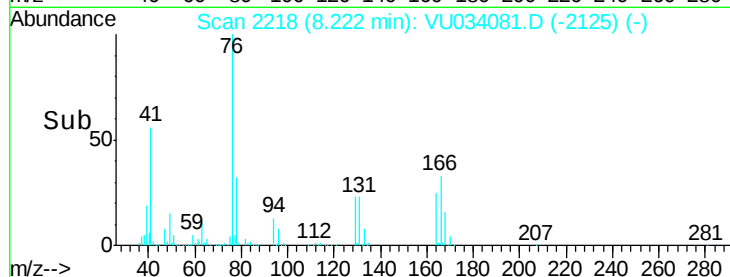
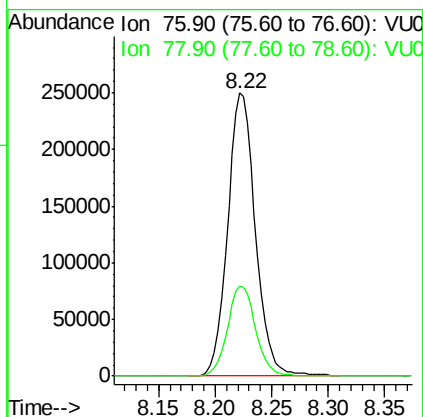
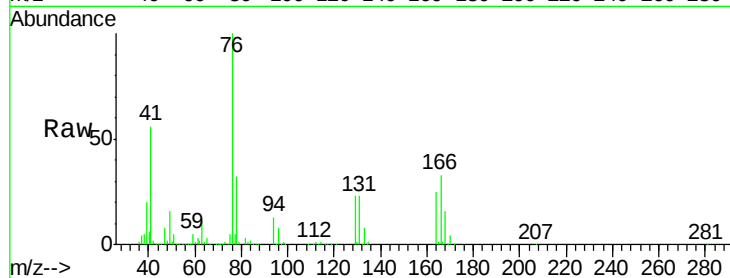
#57
 1,3-Dichloropropane
 Concen: 49.993 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

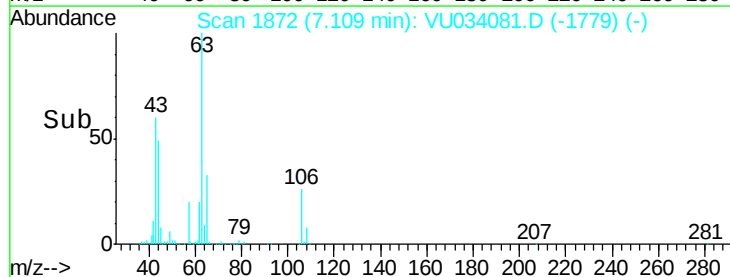
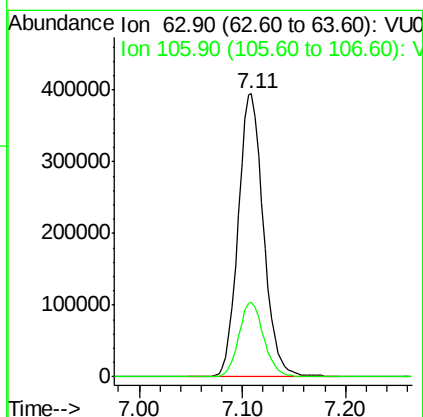
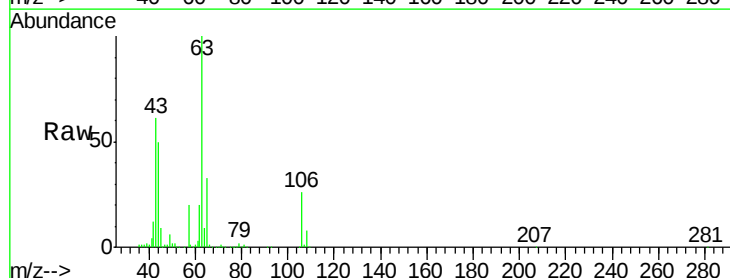
Manual Integrations
 APPROVED

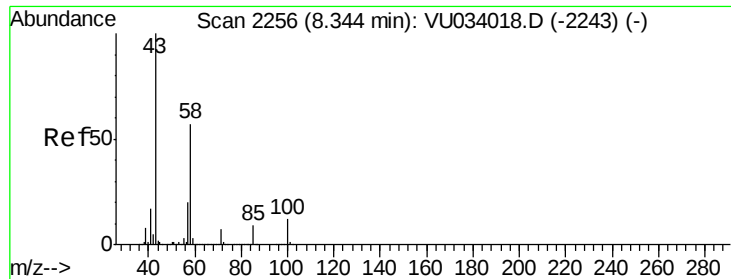
MMDadoda
 8/30/2019 12:52:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.827 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.2	20.7	31.1





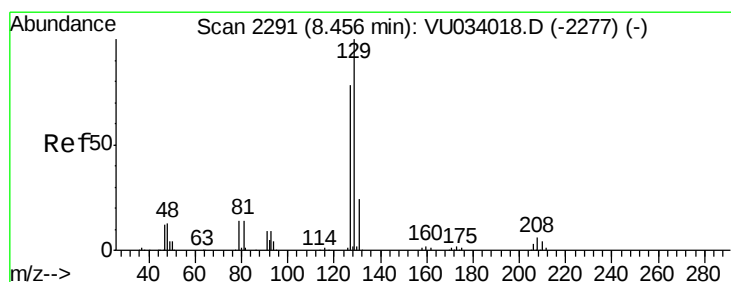
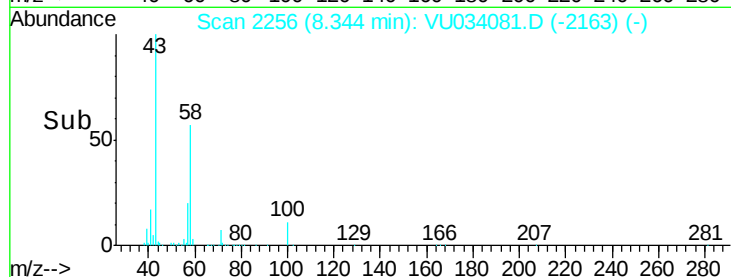
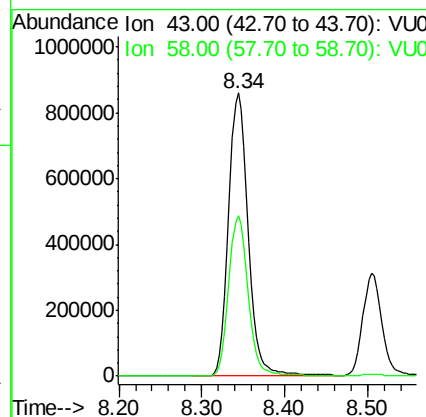
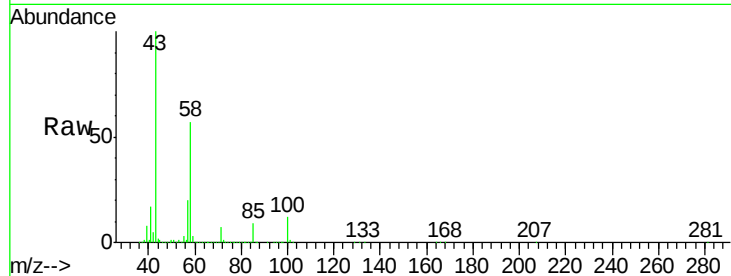
#59
2-Hexanone
Concen: 249.121 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1408749
Ion Ratio Lower Upper
43 100
58 56.5 28.4 85.3

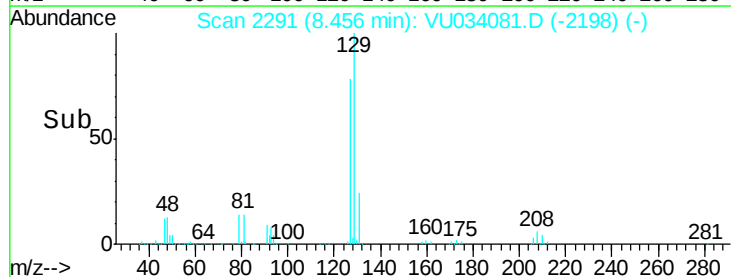
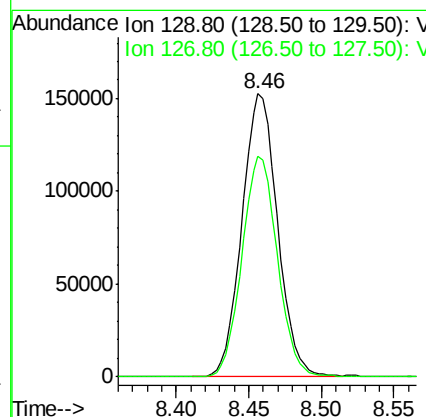
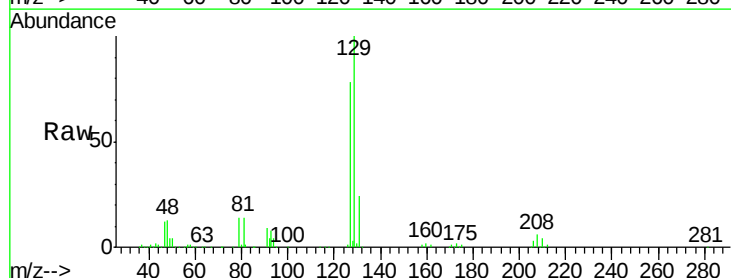
Manual Integrations
APPROVED

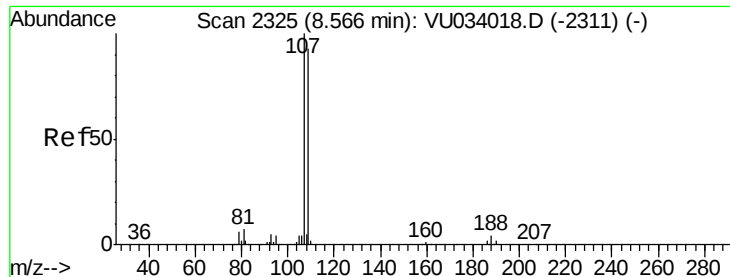
MMDadoda
8/30/2019 12:52:34 PM



#60
Dibromochloromethane
Concen: 48.413 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion: 129 Resp: 260848
Ion Ratio Lower Upper
129 100
127 77.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.653 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 257250

Ion Ratio Lower Upper

107 100

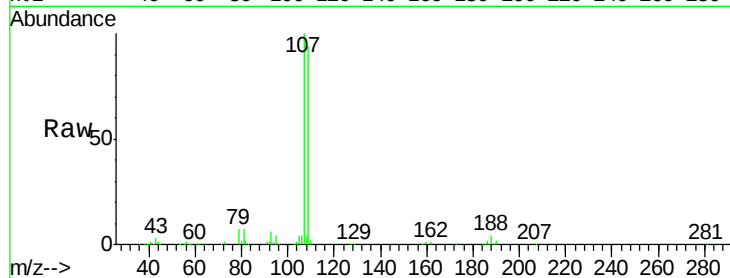
109 94.4 75.2 112.8

Manual Integrations

APPROVED

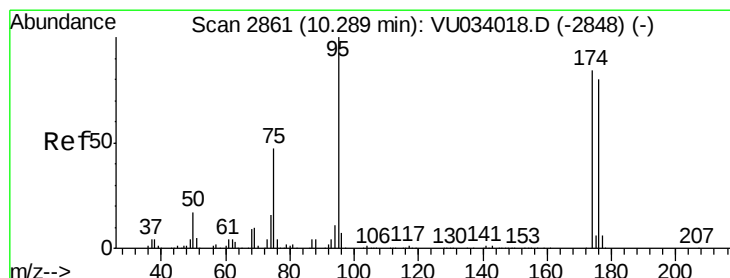
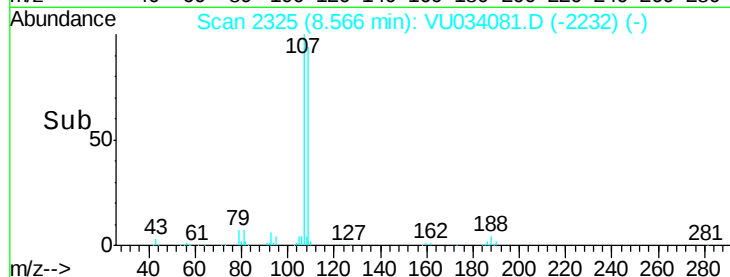
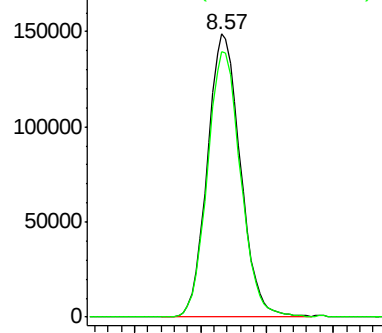
MMDadoda

8/30/2019 12:52:34 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.831 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

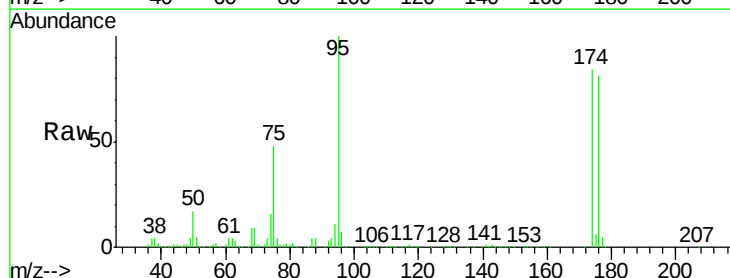
Tgt Ion: 95 Resp: 338850

Ion Ratio Lower Upper

95 100

174 84.2 0.0 168.8

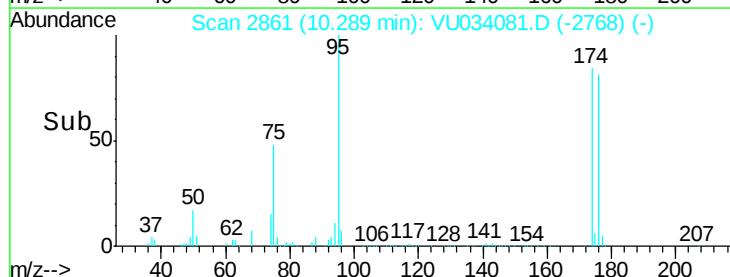
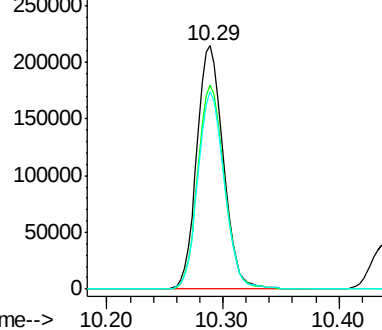
176 80.9 0.0 161.8

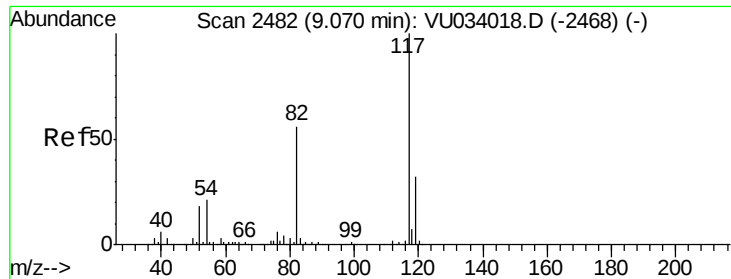


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





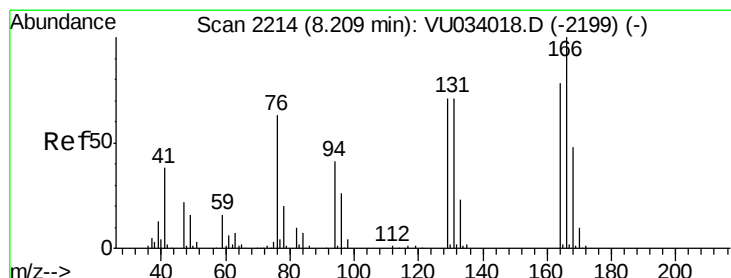
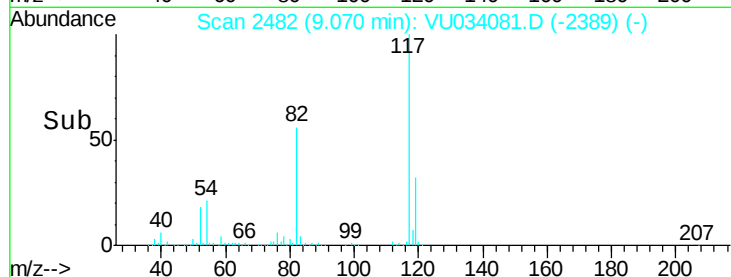
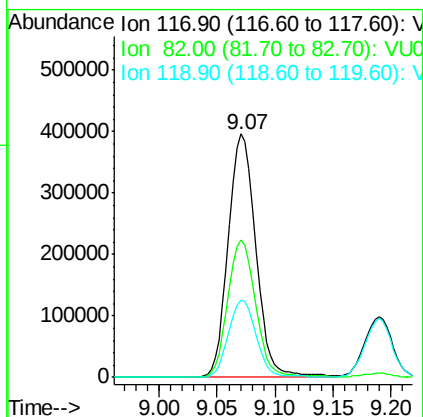
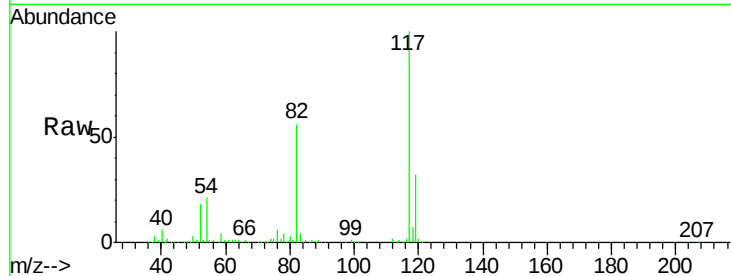
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.1	67.7
119	31.7	25.4	38.0

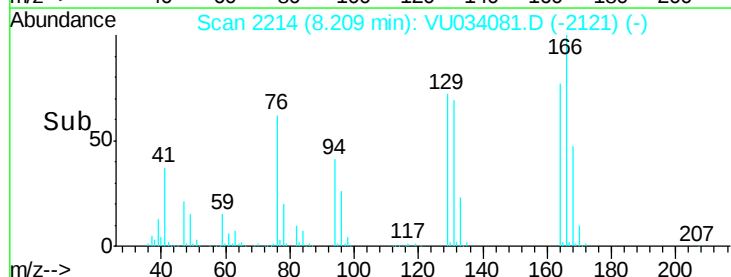
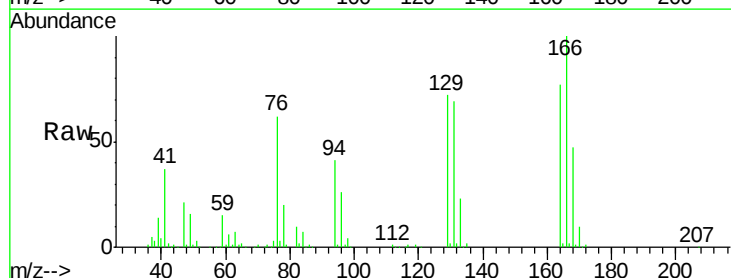
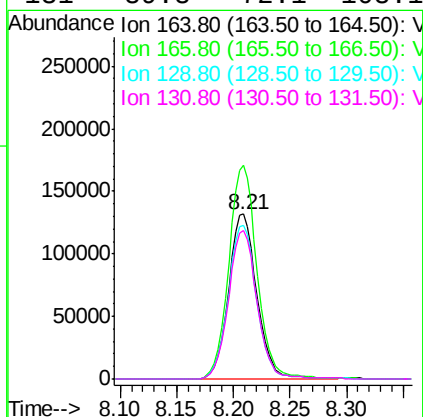
Manual Integrations
APPROVED

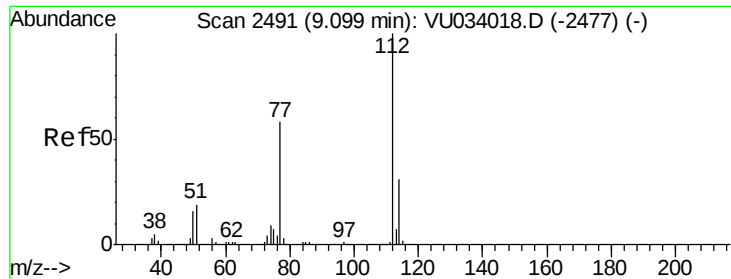
MMDadoda
8/30/2019 12:52:34 PM



#64
Tetrachloroethene
Concen: 52.183 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.2	153.2
129	93.3	72.4	108.6
131	89.8	72.1	108.1





#65

Chlorobenzene

Concen: 49.597 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 667999

Ion Ratio Lower Upper

112 100

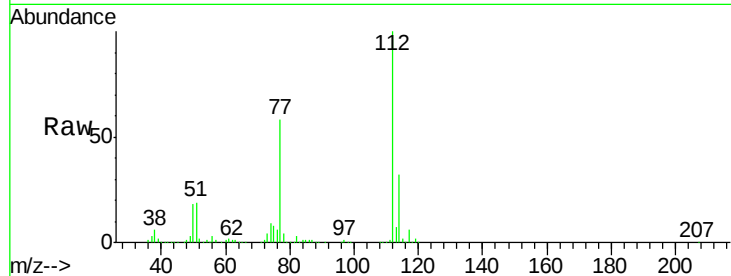
114 31.8 25.0 37.4

Manual Integrations

APPROVED

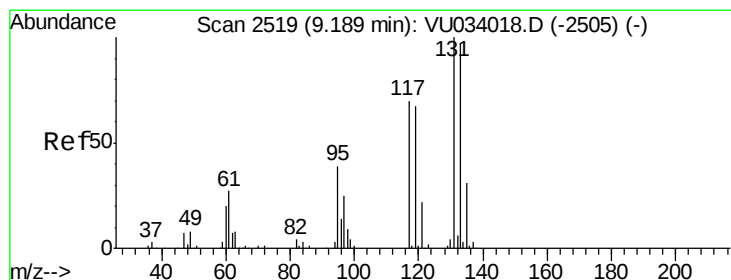
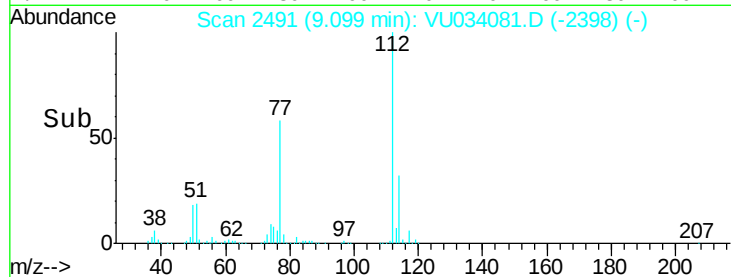
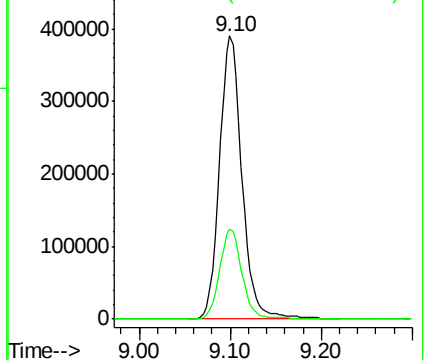
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.175 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

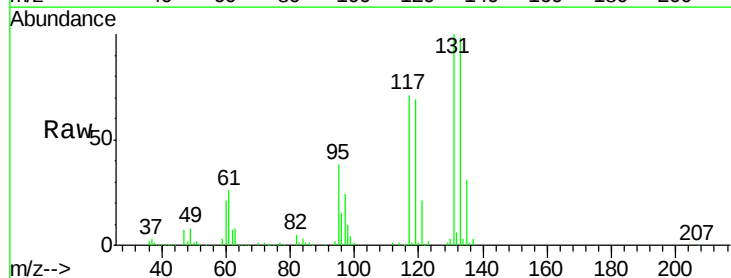
Tgt Ion:131 Resp: 230395

Ion Ratio Lower Upper

131 100

133 96.8 48.4 145.2

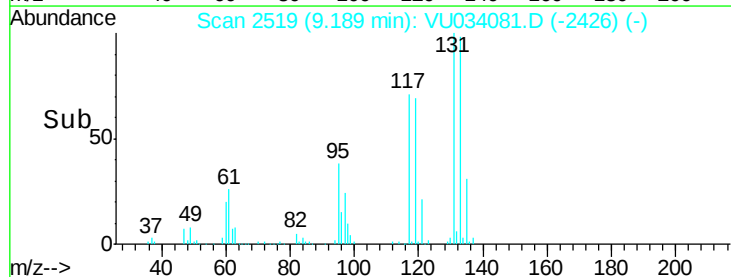
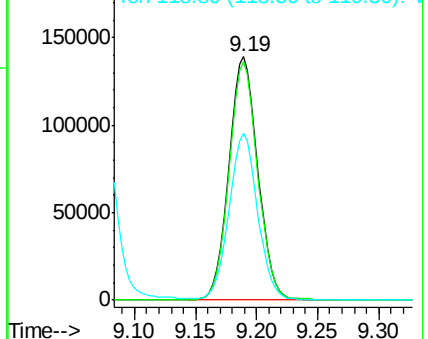
119 68.3 33.6 100.6

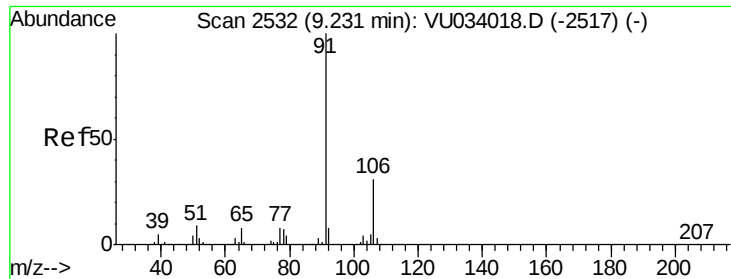


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.097 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1166605

Ion Ratio Lower Upper

91 100

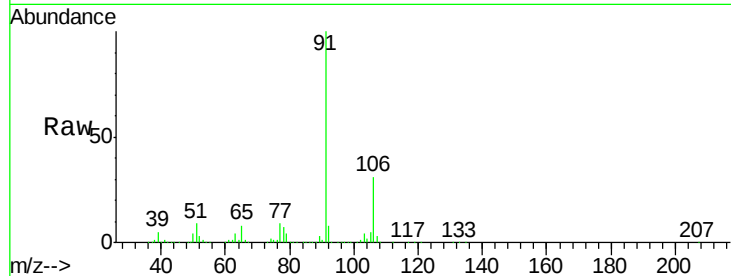
106 30.7 24.9 37.3

Manual Integrations

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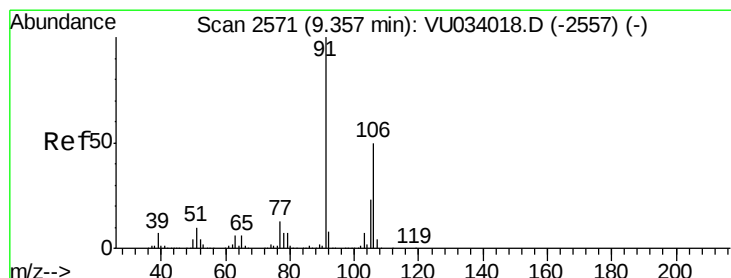
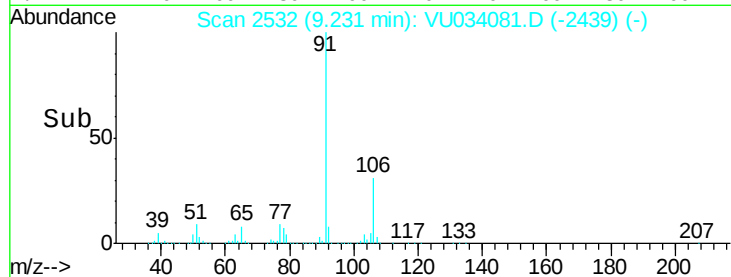
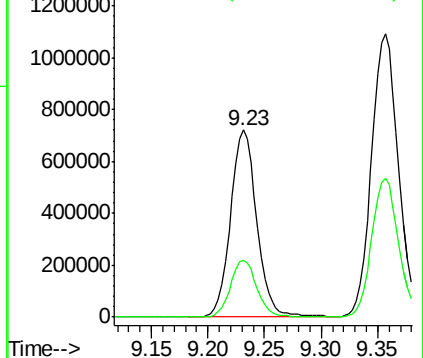
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU034081.D (-2517) (-)

Ion 106.00 (105.70 to 106.70): VU034081.D (-2517) (-)



#68

m/p-Xylenes

Concen: 102.810 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034081.D

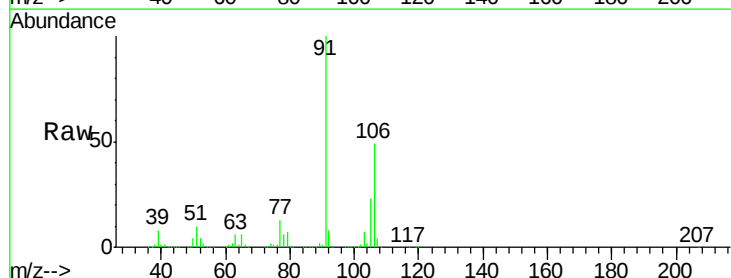
Acq: 29 Aug 2019 22:38

Tgt Ion: 106 Resp: 892530

Ion Ratio Lower Upper

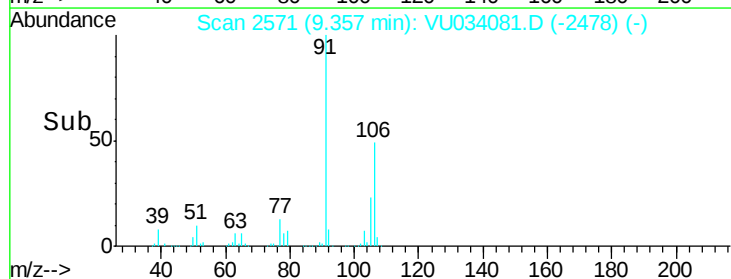
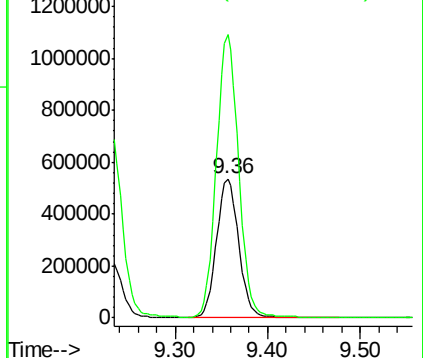
106 100

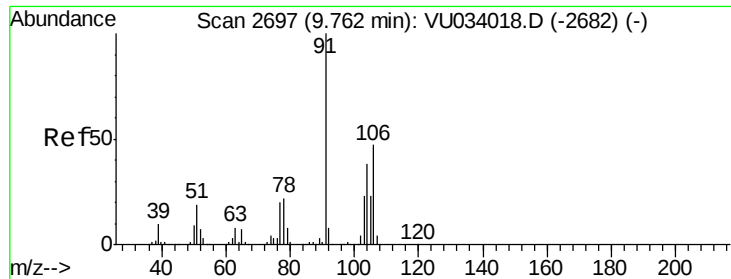
91 203.7 161.6 242.4



Abundance Ion 106.00 (105.70 to 106.70): VU034081.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU034081.D (-2557) (-)





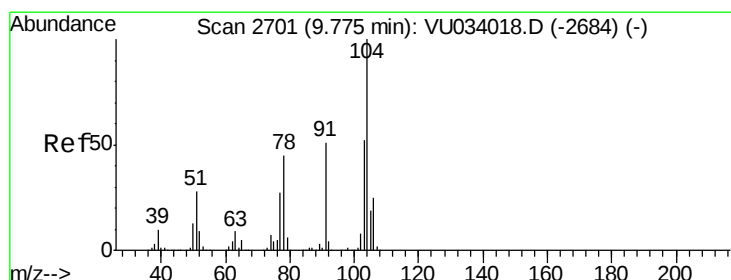
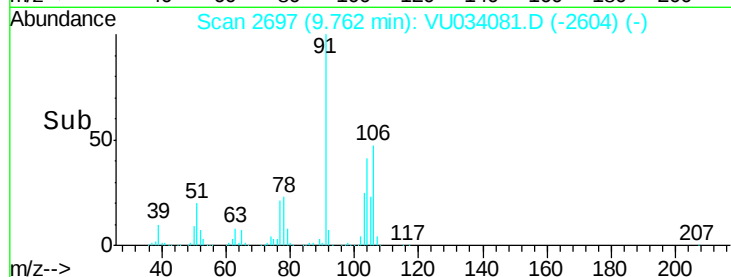
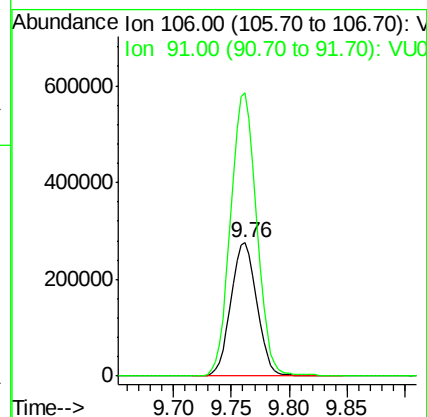
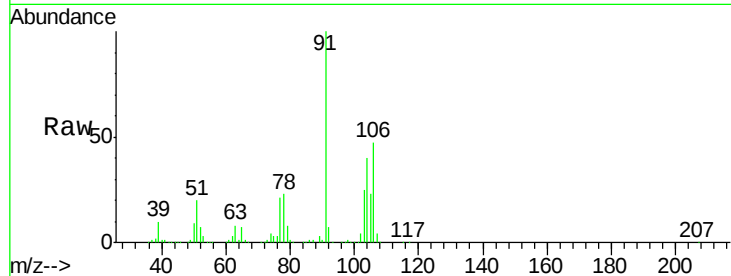
#69
o-Xylene
Concen: 51.227 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	426659		
91	91	213.0	106.0	318.0	

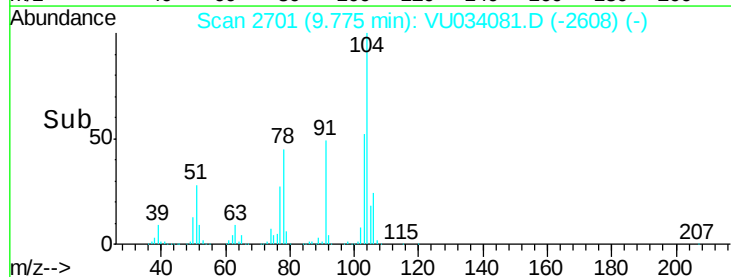
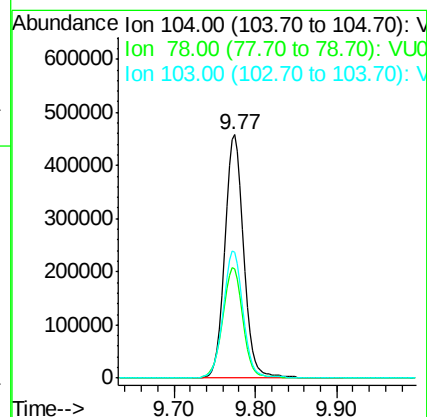
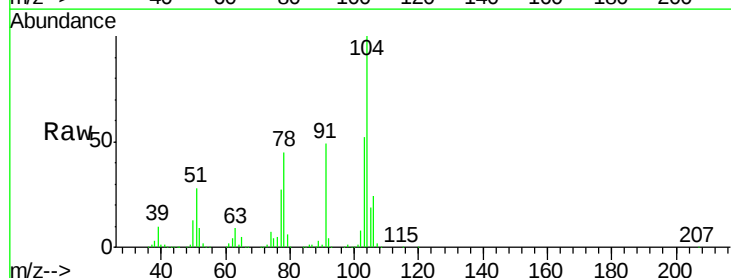
Manual Integrations
APPROVED

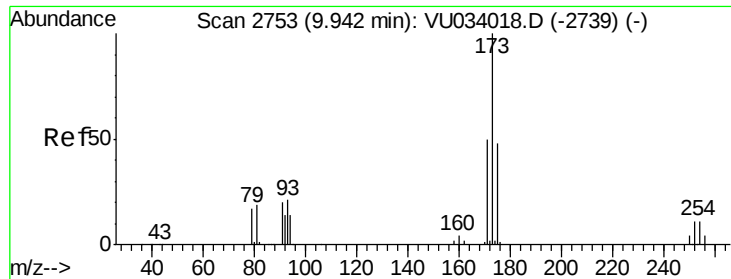
MMDadoda
8/30/2019 12:52:34 PM



#70
Styrene
Concen: 52.824 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	754364		
78	78	48.9	39.0	58.4	
103	103	55.1	44.0	66.0	





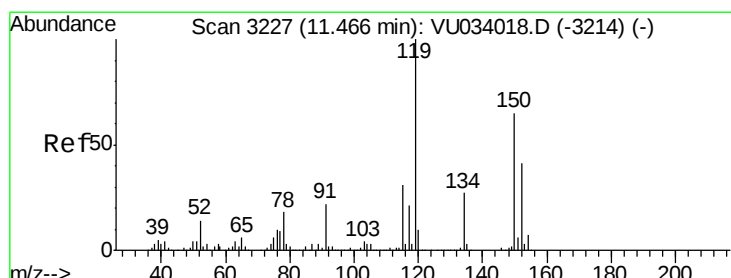
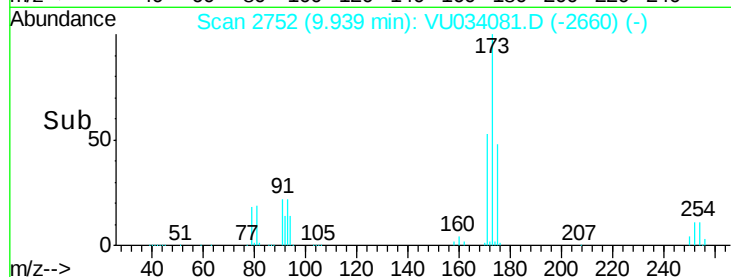
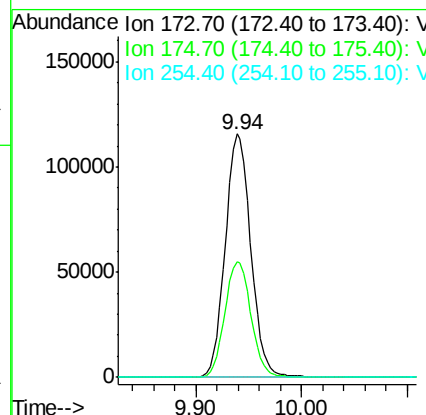
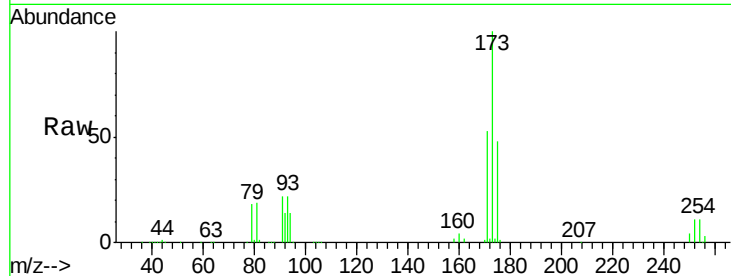
#71
Bromoform
Concen: 45.815 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.6
254	0.1	0.0	0.0#

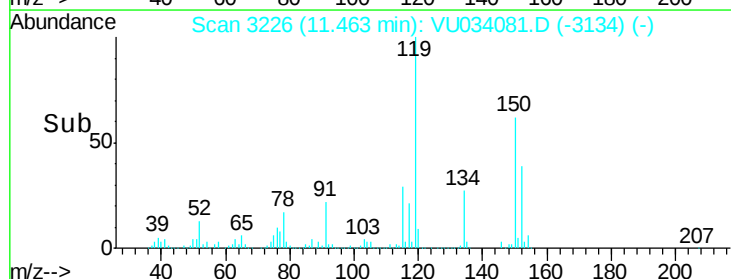
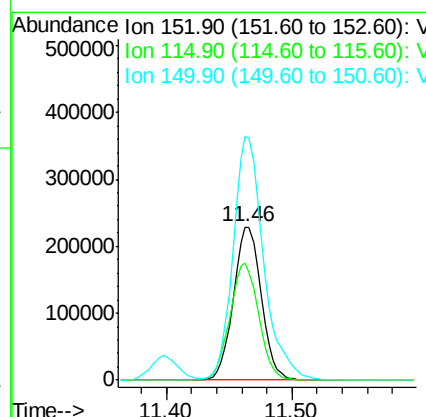
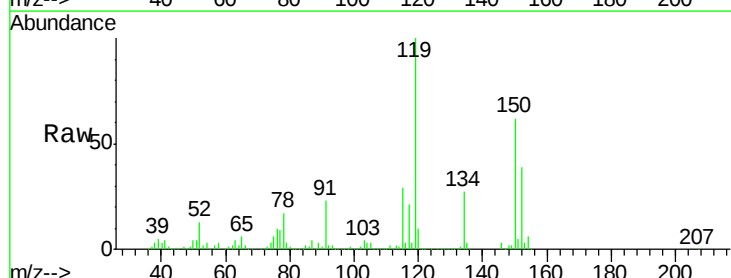
Manual Integrations
APPROVED

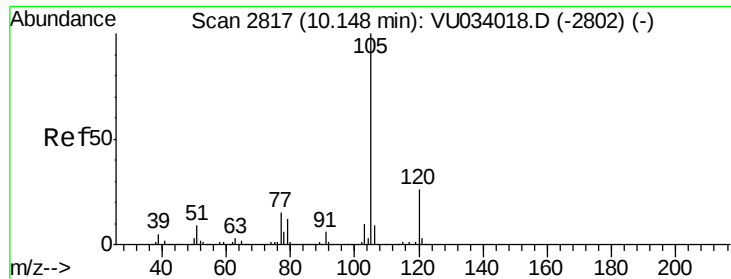
MMDadoda
8/30/2019 12:52:34 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.7	41.1	123.3
150	173.0	0.0	348.8





#73

Isopropylbenzene

Concen: 48.437 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1151668

Ion Ratio Lower Upper

105 100

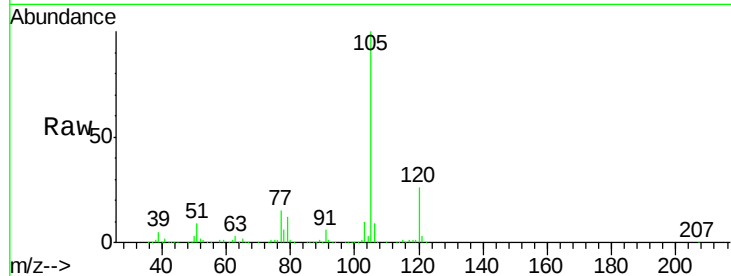
120 26.4 13.3 39.8

Manual Integrations

APPROVED

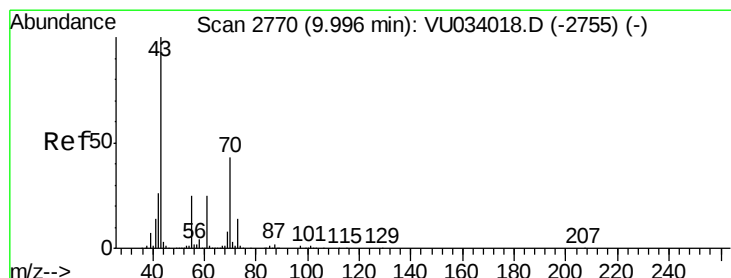
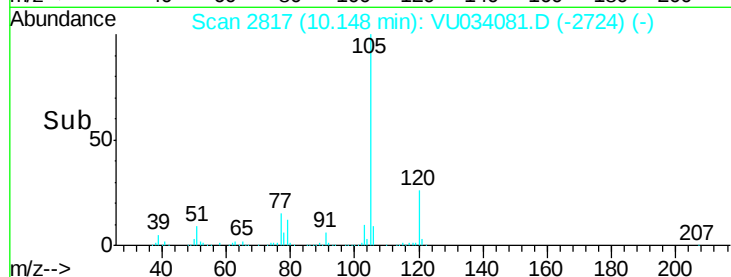
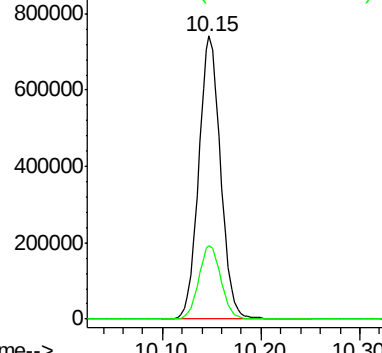
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.384 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion: 43 Resp: 493842

Ion Ratio Lower Upper

43 100

70 43.9 35.2 52.8

55 26.4 20.5 30.7

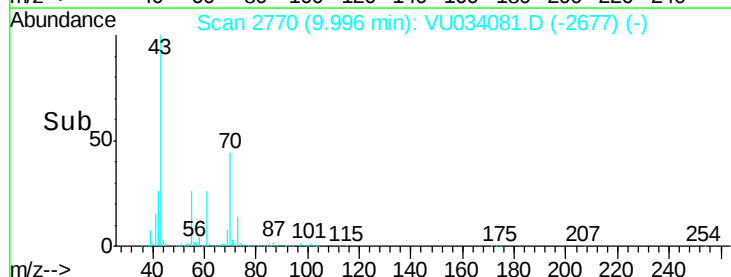
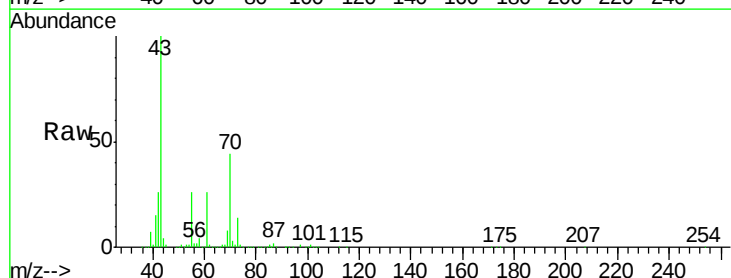
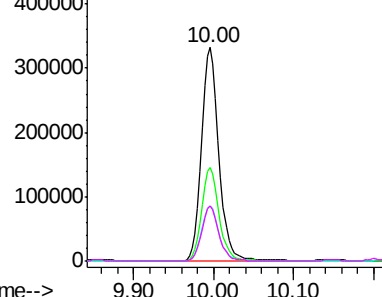
61 25.4 20.0 30.0

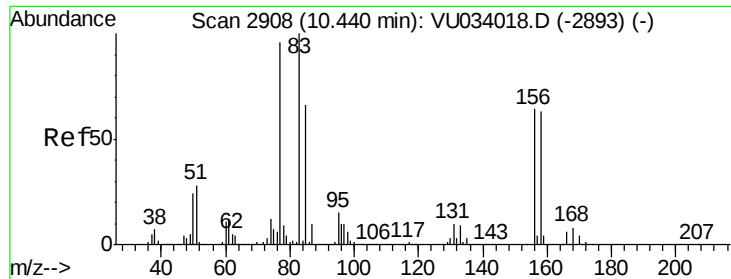
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.659 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 415513
Ion Ratio Lower Upper

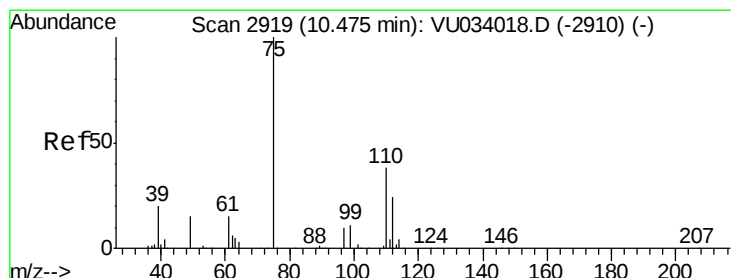
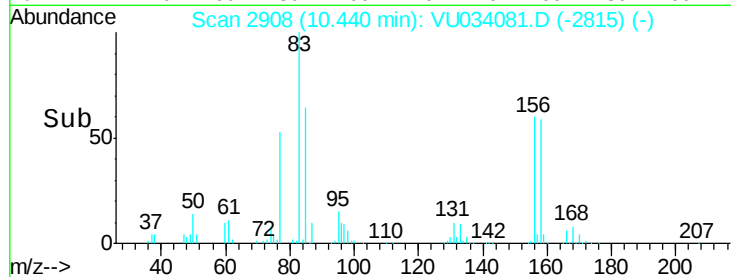
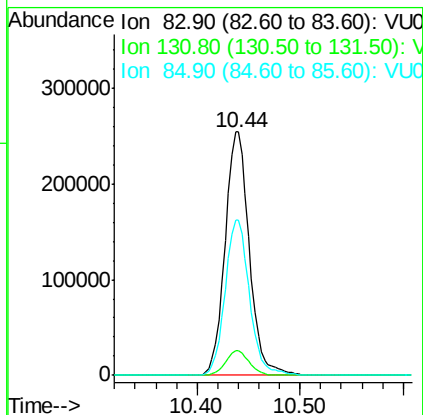
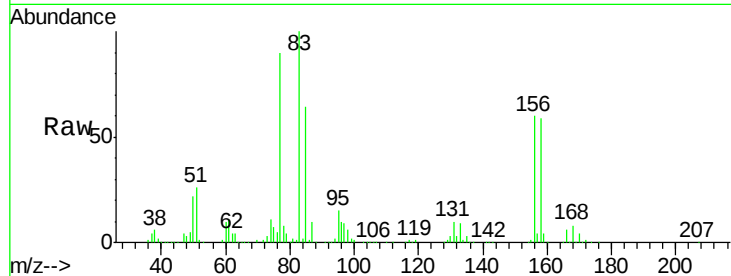
83 100

131 9.9 5.0 14.9

85 64.7 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 44.391 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

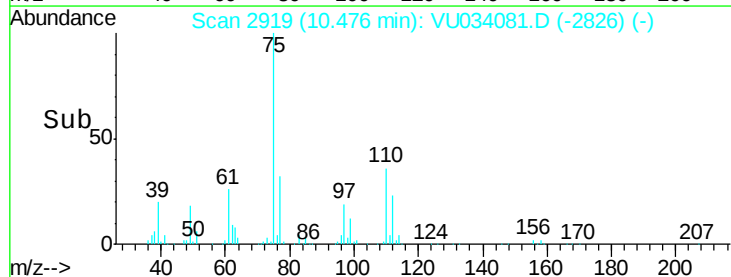
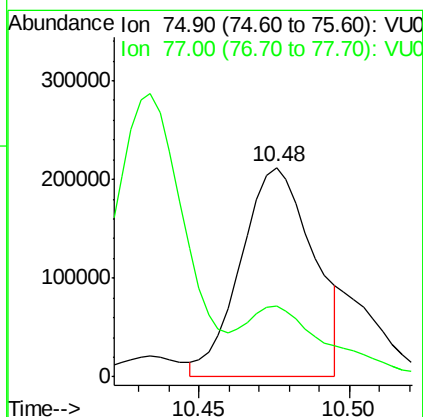
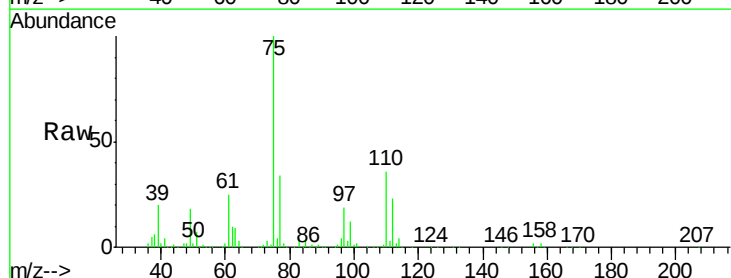
Lab File: VU034081.D

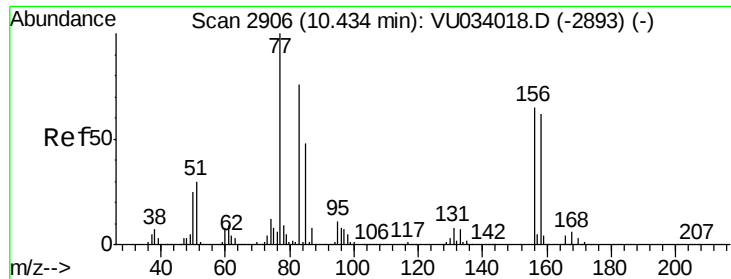
Acq: 29 Aug 2019 22:38

Tgt Ion: 75 Resp: 354153
Ion Ratio Lower Upper

75 100

77 39.7 20.1 60.2





#77

Bromobenzene

Concen: 47.221 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

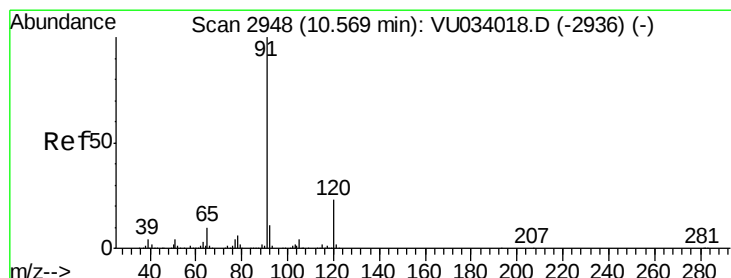
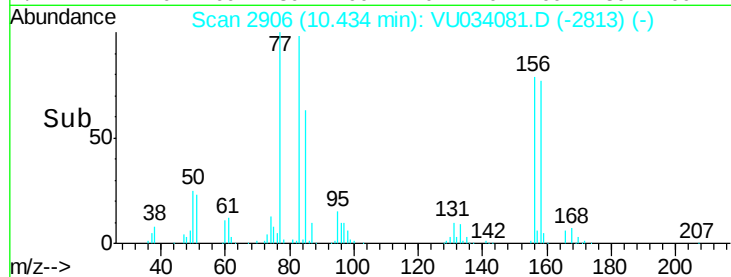
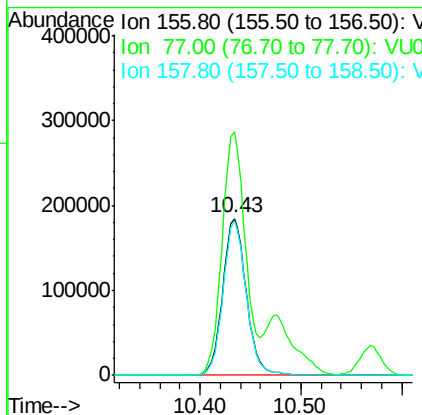
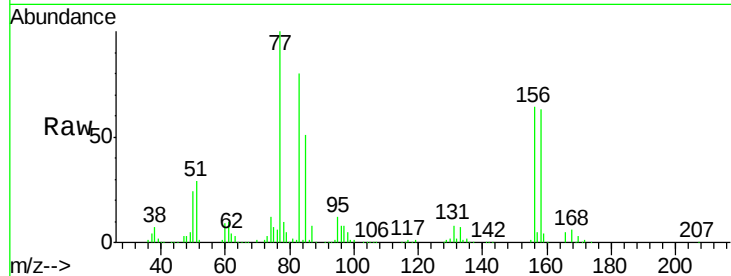
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	302018
Ion Ratio	Lower	Upper	
156	100		
77	154.3	76.8	230.5
158	97.0	48.4	145.0

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#78

n-propylbenzene

Concen: 48.821 ug/l

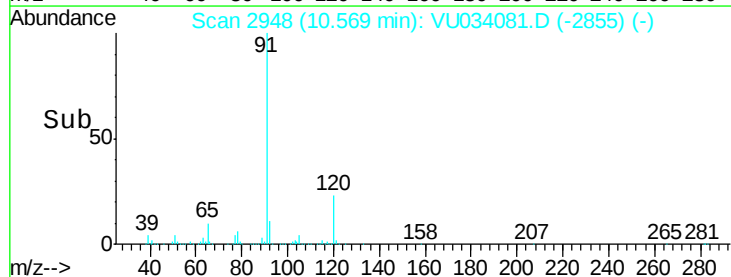
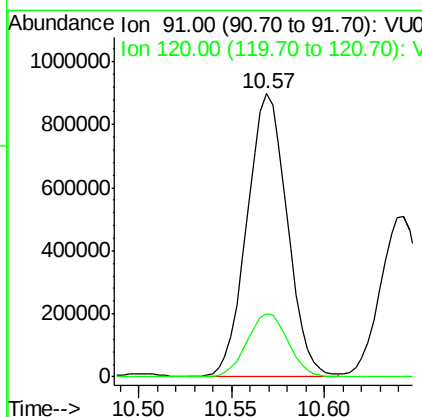
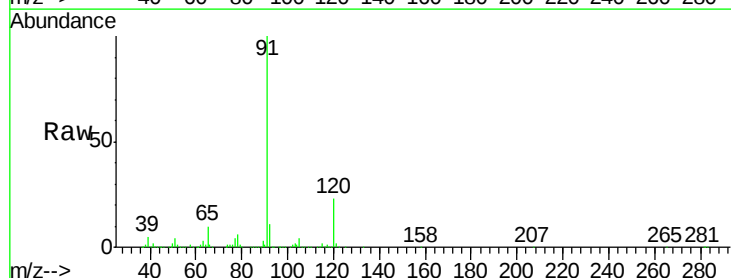
RT: 10.57 min Scan# 2948

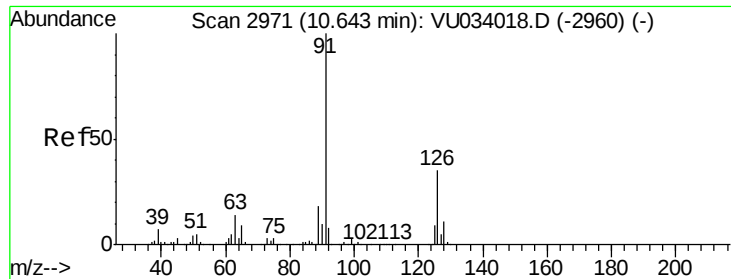
Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion:	91	Resp:	1351845
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 48.463 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 804906

Ion Ratio Lower Upper

91 100

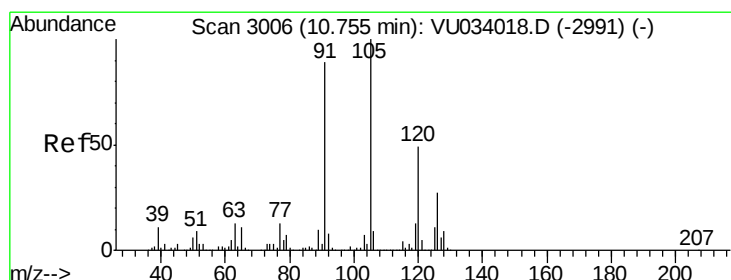
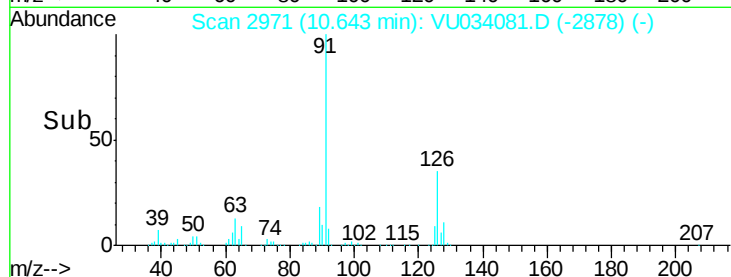
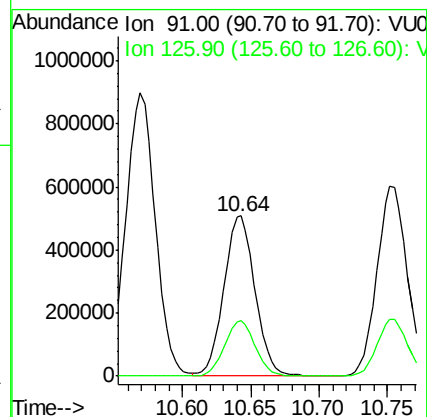
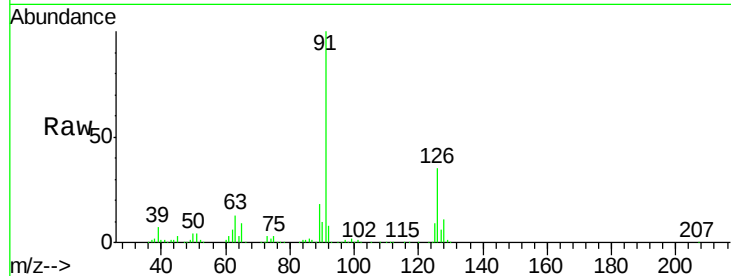
126 34.1 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 49.360 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034081.D

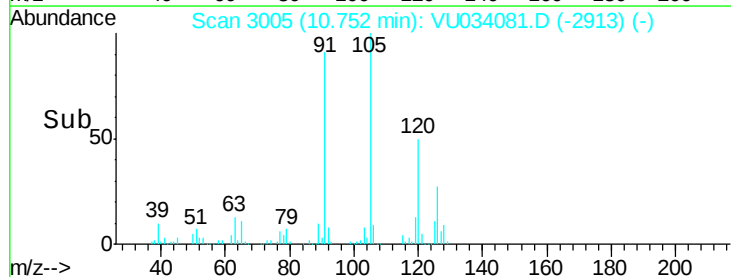
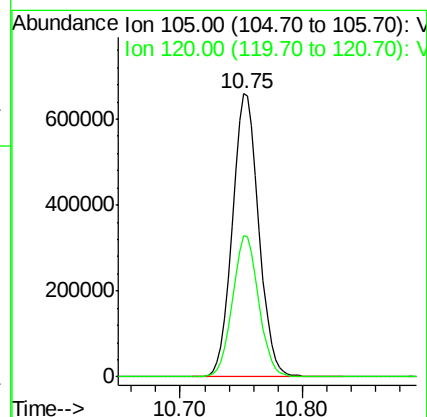
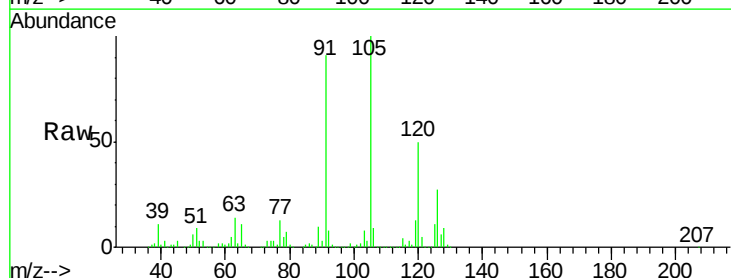
Acq: 29 Aug 2019 22:38

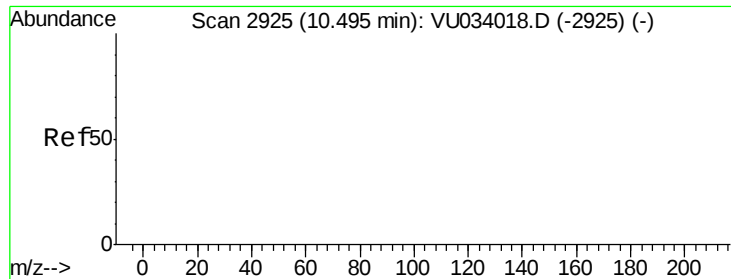
Tgt Ion: 105 Resp: 994706

Ion Ratio Lower Upper

105 100

120 49.7 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 35.514 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

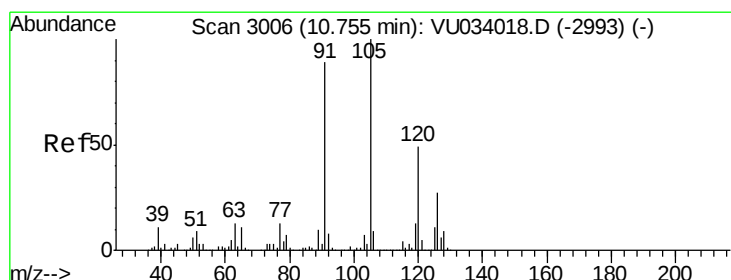
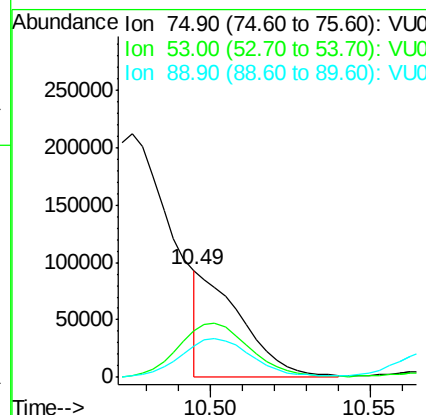
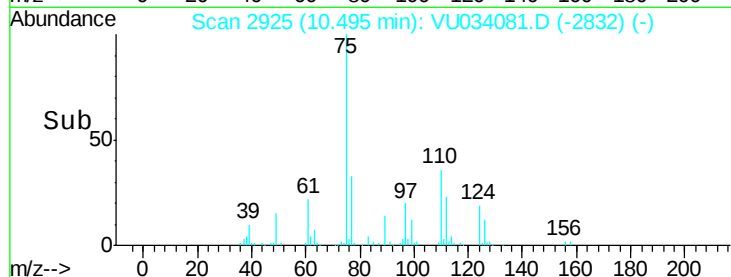
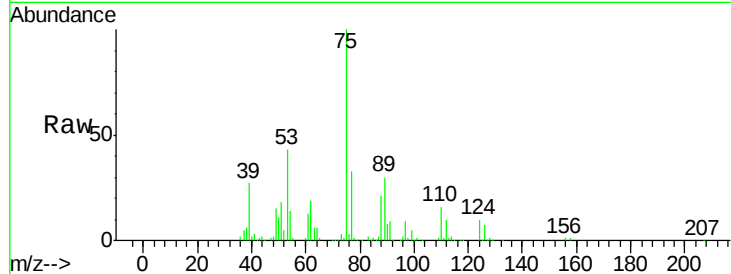
Instrument :
MSVOA_U

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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#82

4-Chlorotoluene

Concen: 48.807 ug/l

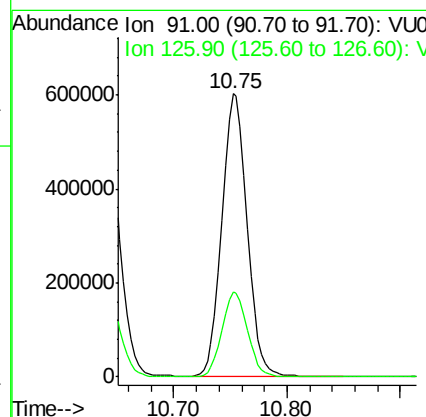
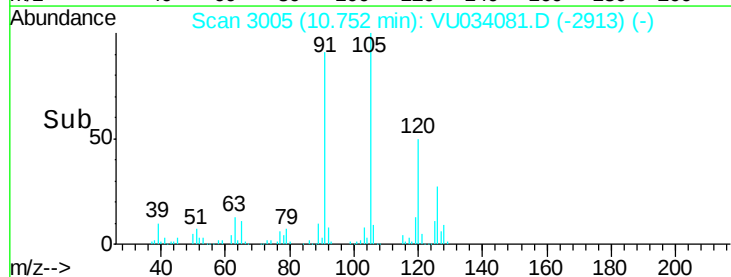
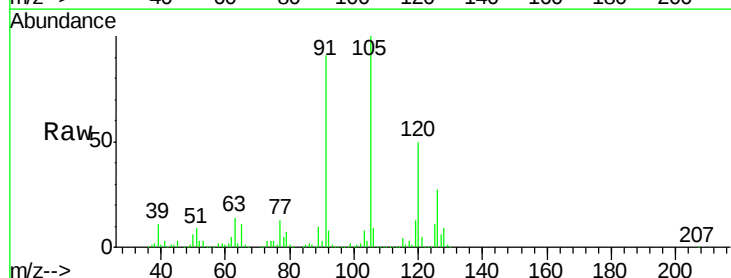
RT: 10.75 min Scan# 3005

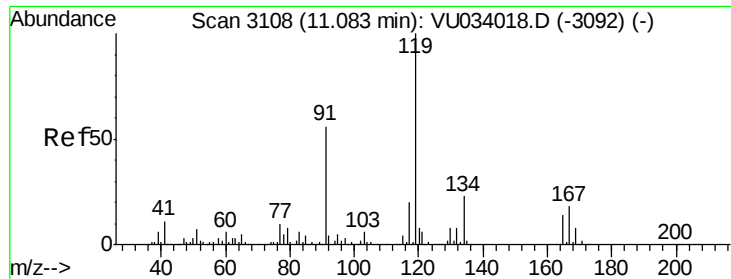
Delta R.T. -0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.0	45.1





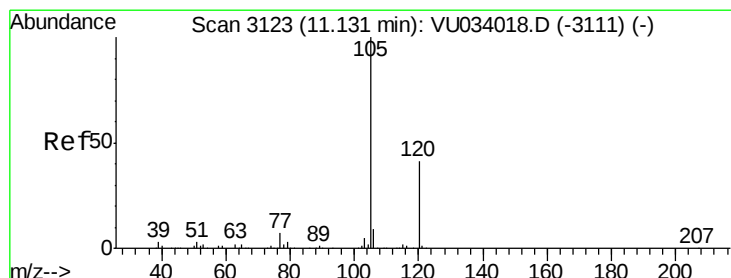
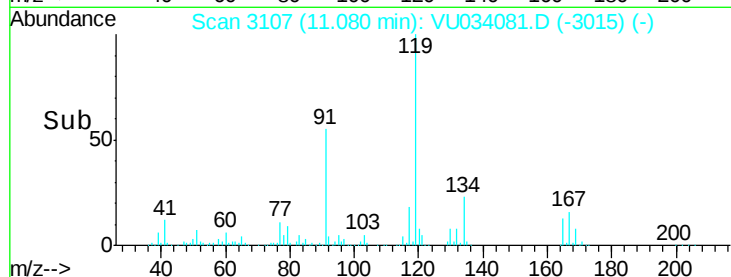
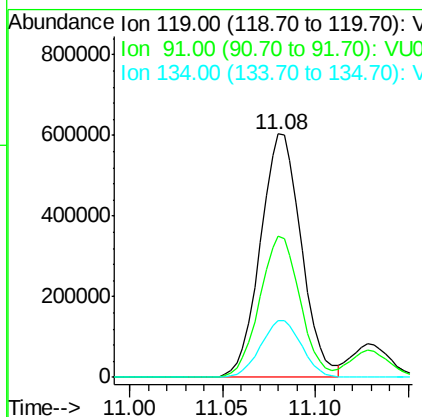
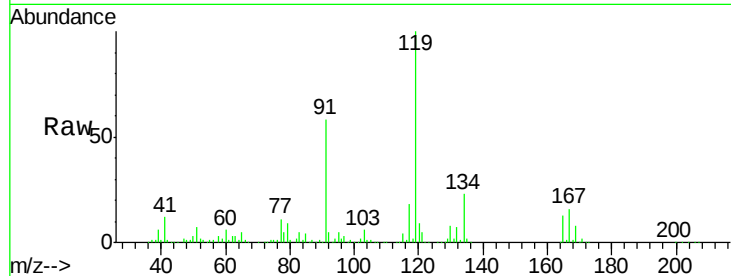
#83
 tert-Butylbenzene
 Concen: 46.972 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.1	27.9	83.6
134	23.3	11.4	34.2

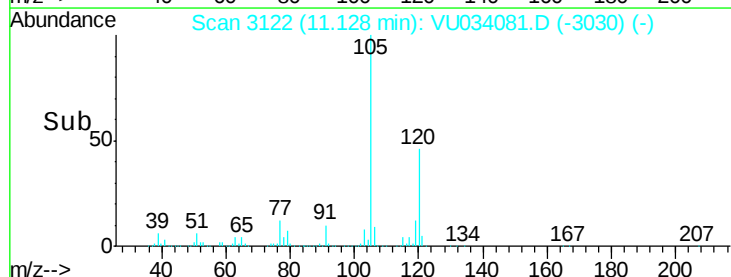
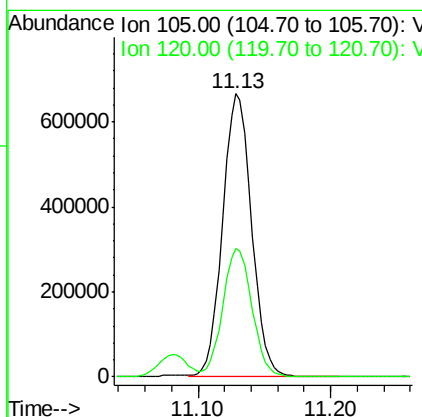
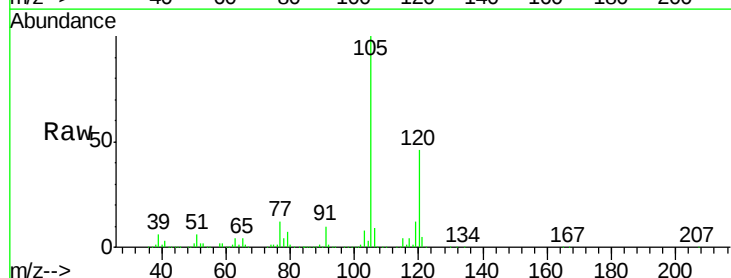
Manual Integrations
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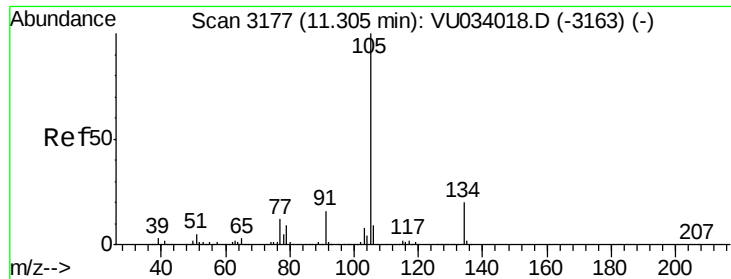
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.302 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.6	67.8





#85

sec-Butylbenzene

Concen: 47.983 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1140889

Ion Ratio Lower Upper

105 100

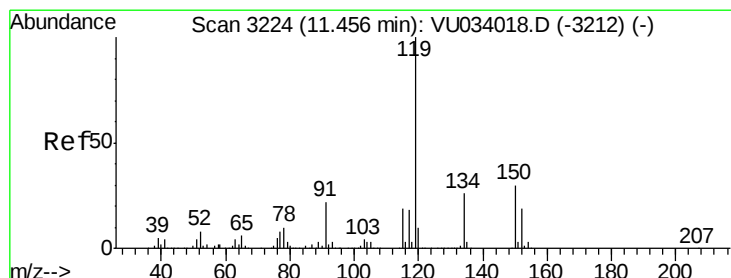
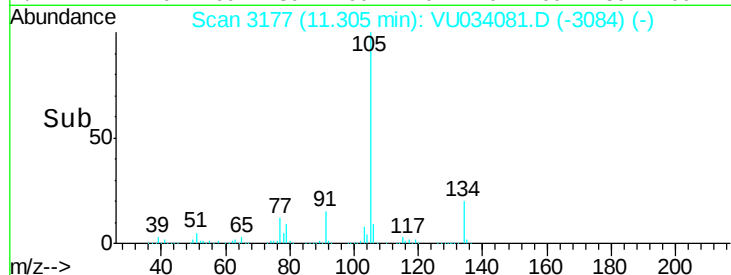
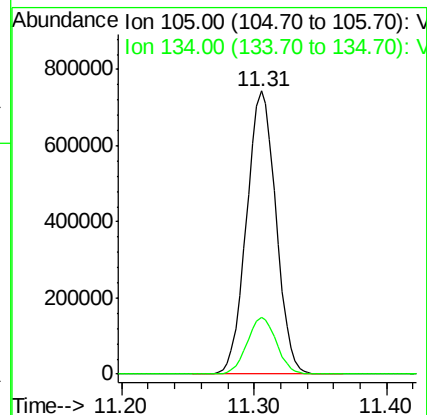
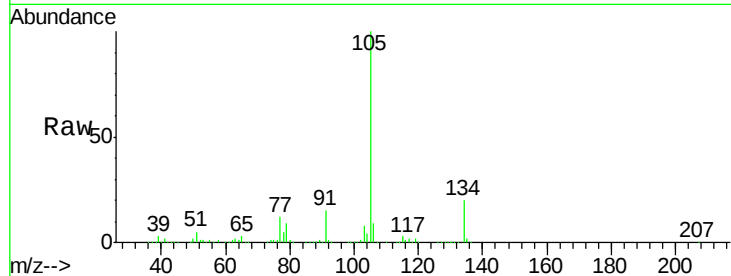
134 20.1 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.039 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034081.D

Acq: 29 Aug 2019 22:38

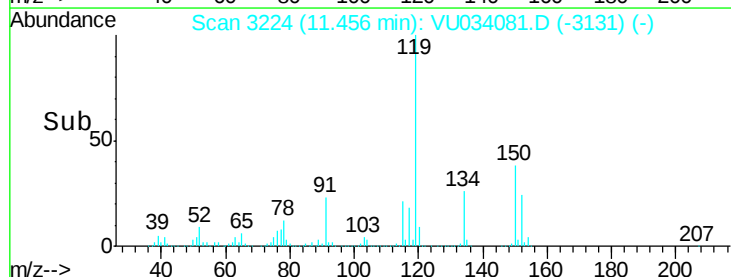
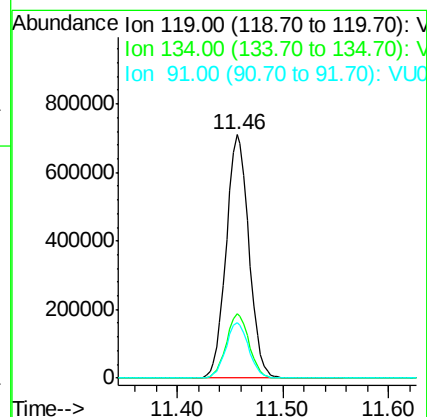
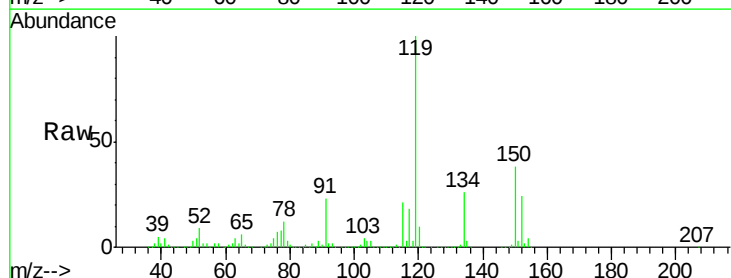
Tgt Ion:119 Resp: 1054554

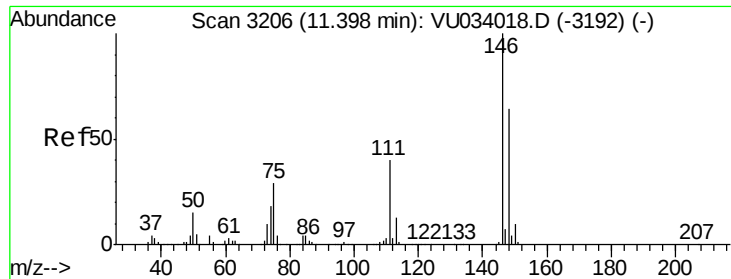
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 22.8 11.2 33.6





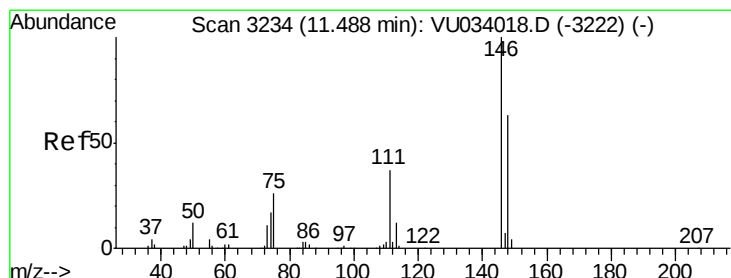
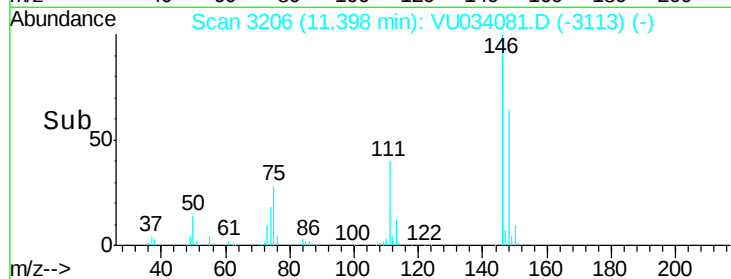
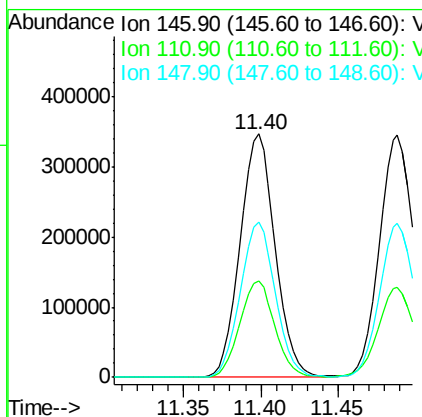
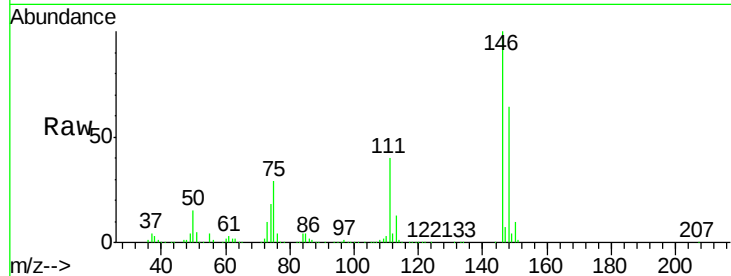
#87
 1,3-Dichlorobenzene
 Concen: 48.392 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.6
148	63.7	31.9	95.5

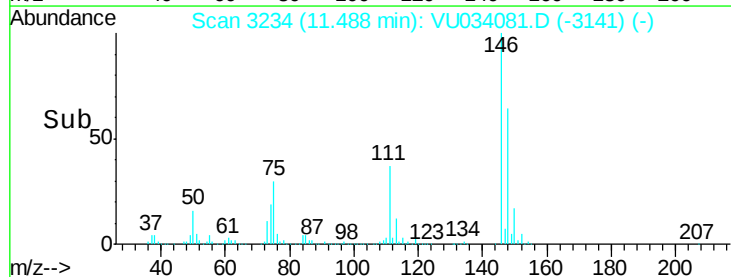
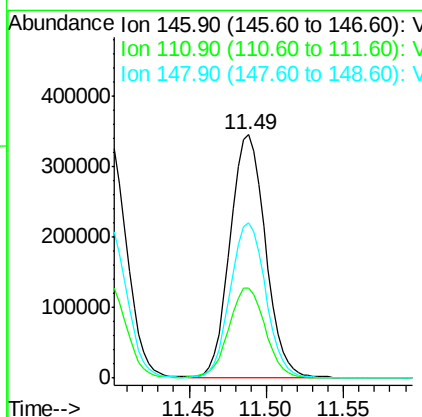
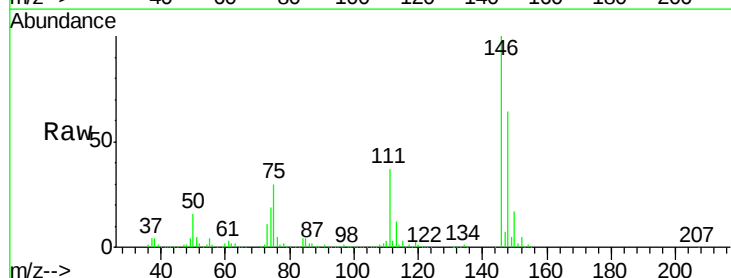
Manual Integrations
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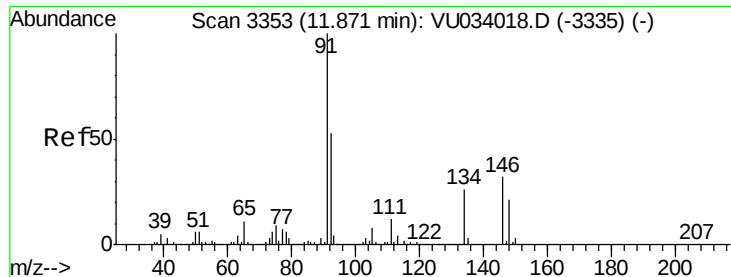
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#88
 1,4-Dichlorobenzene
 Concen: 47.616 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.2	57.6
148	64.0	31.9	95.9





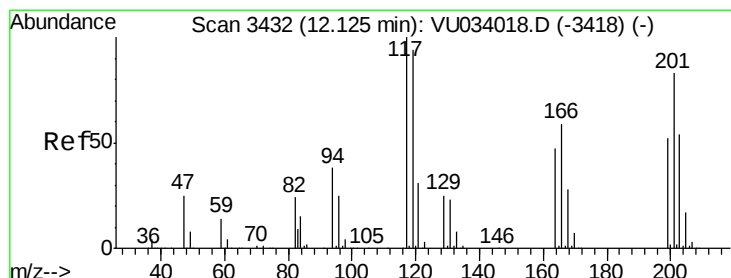
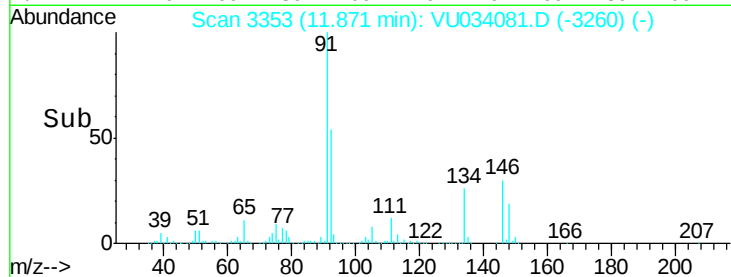
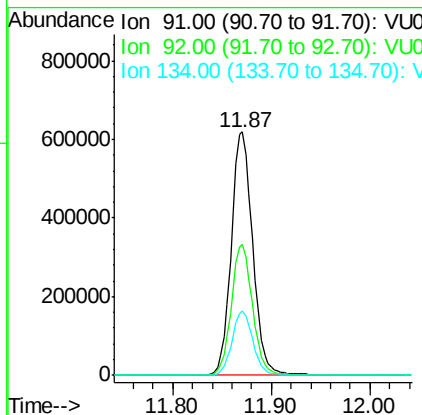
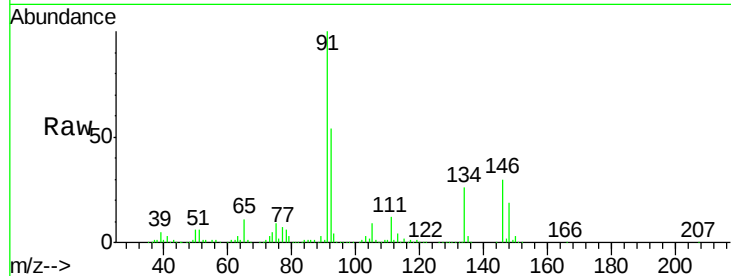
#89
n-Butylbenzene
Concen: 49.720 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.3	78.9
134	25.8	12.9	38.7

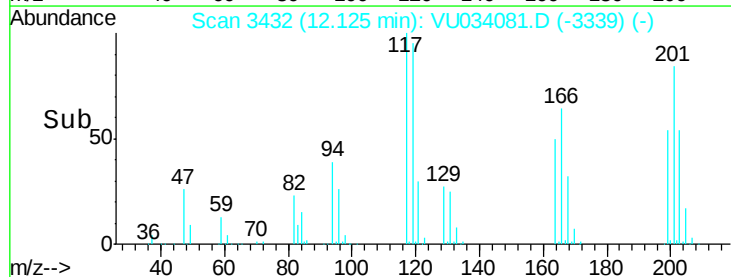
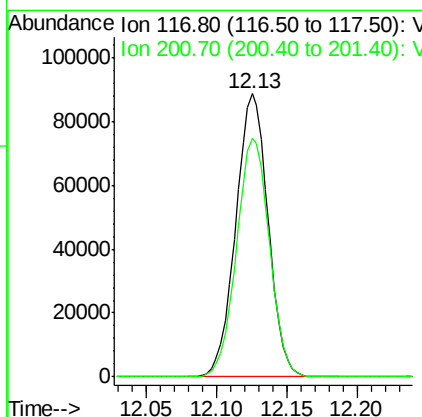
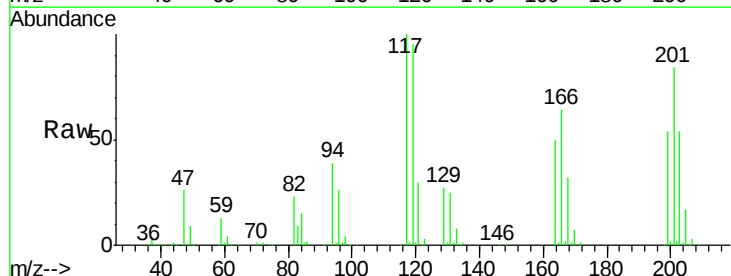
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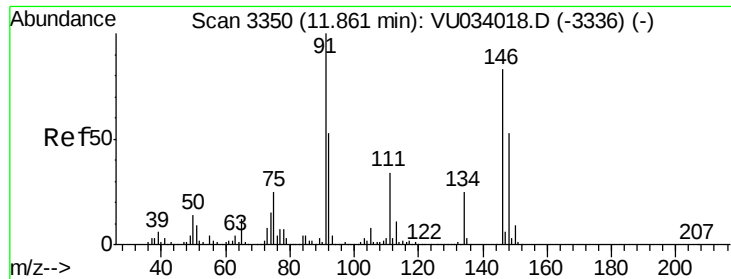
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#90
Hexachloroethane
Concen: 38.383 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	42.5	127.6





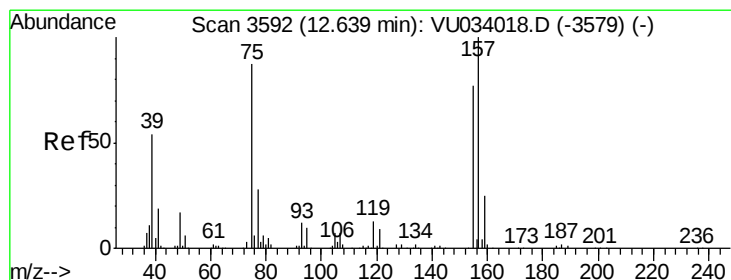
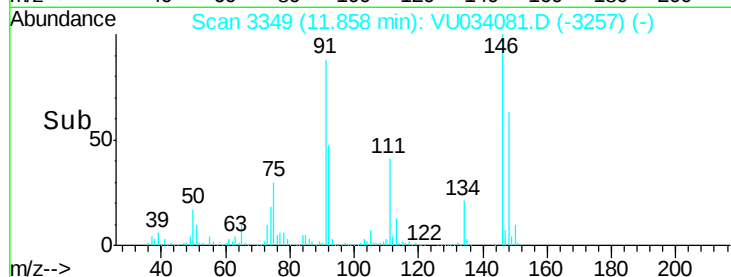
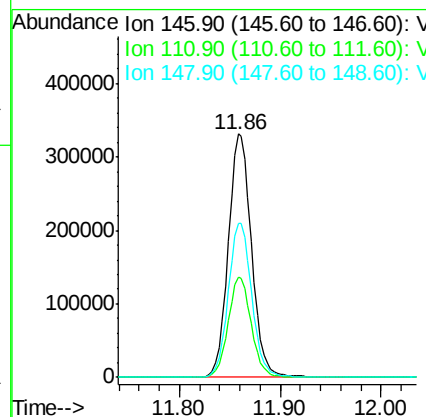
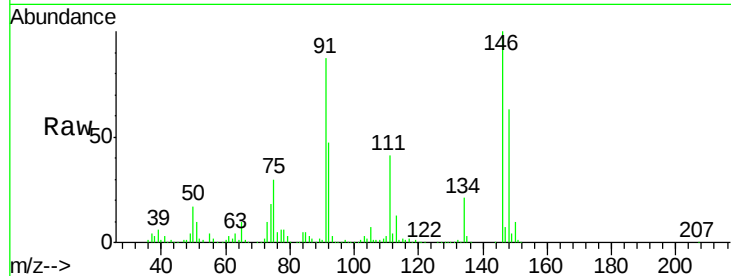
#91
 1,2-Dichlorobenzene
 Concen: 49.115 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.2
148	64.1	32.3	96.8

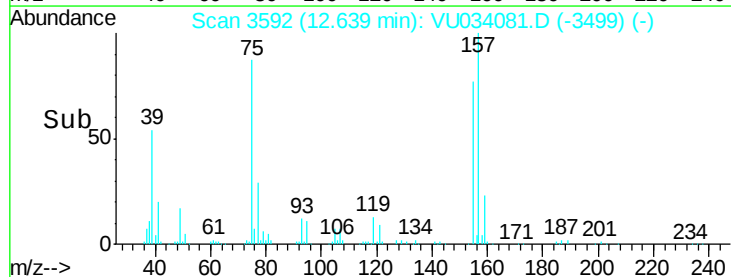
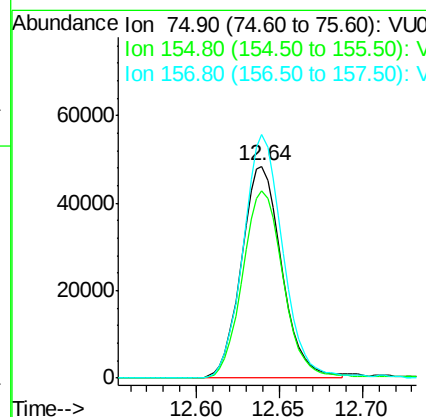
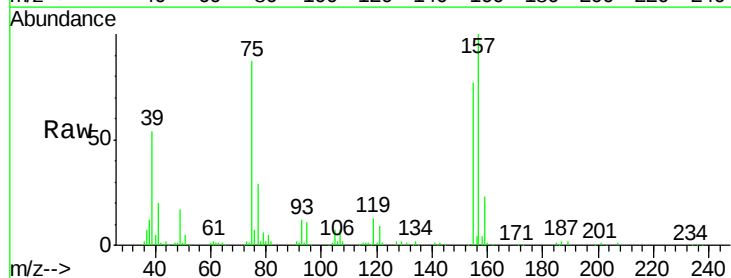
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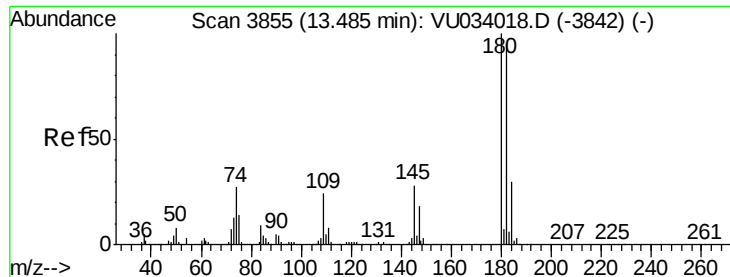
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.309 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	43.5	130.7
157	112.9	56.9	170.6





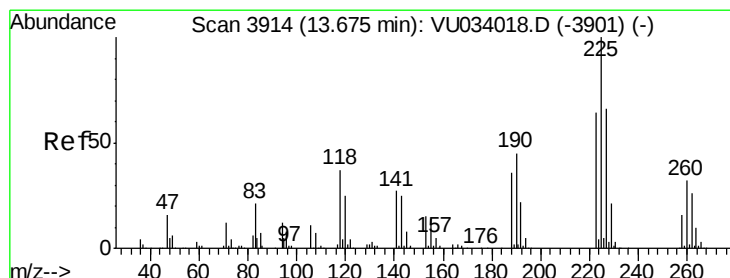
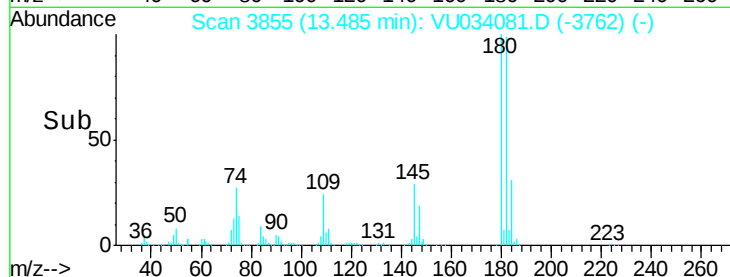
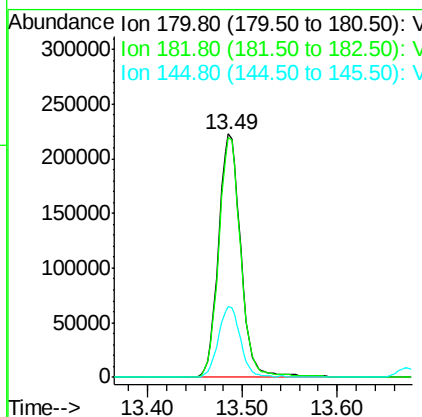
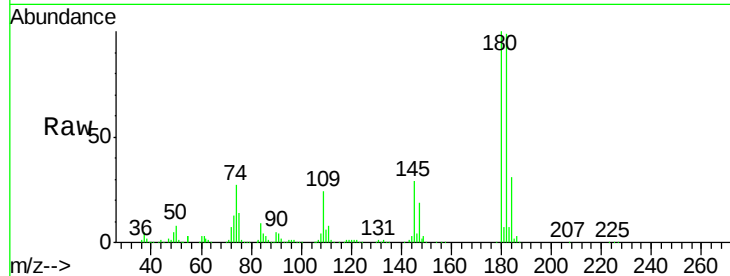
#93
 1,2,4-Trichlorobenzene
 Concen: 47.175 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	363463		
182	97.2	47.4	142.2	
145	29.4	14.1	42.3	

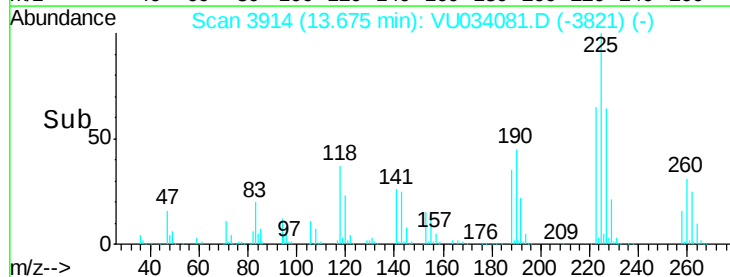
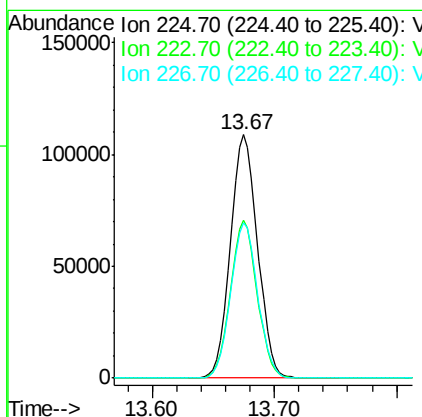
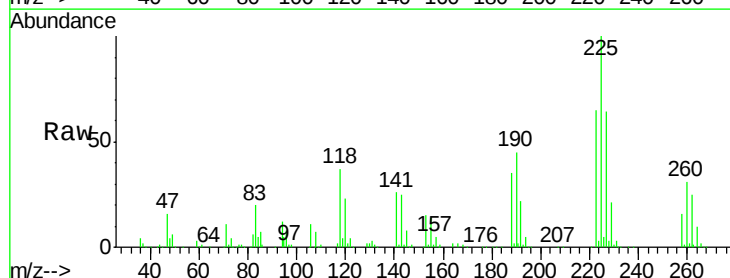
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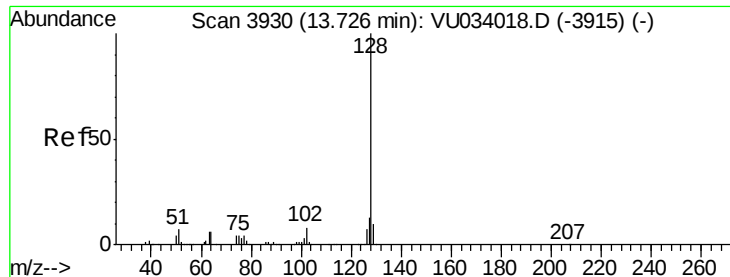
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#94
 Hexachlorobutadiene
 Concen: 39.796 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034081.D
 Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	168862		
223	63.8	31.8	95.3	
227	63.3	32.6	97.8	





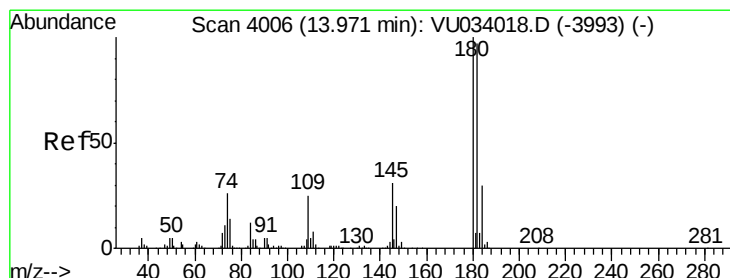
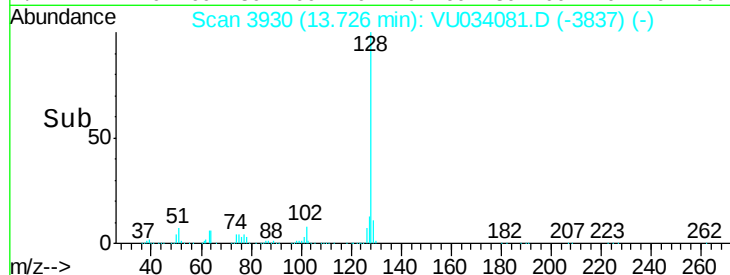
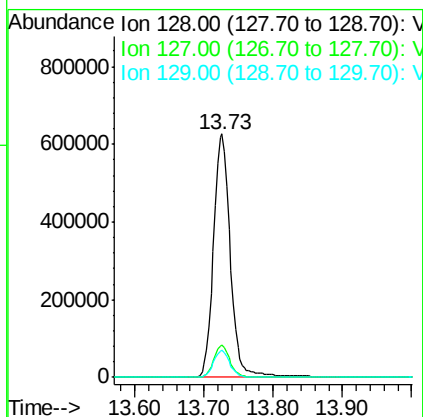
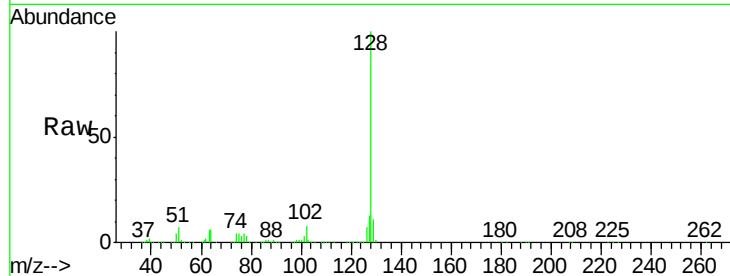
#95
Naphthalene
Concen: 47.951 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.7	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.691 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034081.D
Acq: 29 Aug 2019 22:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.2	144.6
145	30.6	15.5	46.5

