

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034021.D
 Acq On : 28 Aug 2019 14:01
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:57 AM

Quant Time: Aug 29 04:03:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:51:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	449165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	715791	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	674970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350656	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	273167	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	4.86	113	234562	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	7.55	98	910271	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	10.29	95	339881	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	229024	50.699	ug/l	99
3) Chloromethane	1.32	50	304457	50.487	ug/l	100
4) Vinyl Chloride	1.40	62	294458	48.976	ug/l	99
5) Bromomethane	1.60	94	170964	60.267	ug/l	98
6) Chloroethane	1.68	64	173129	47.101	ug/l	99
7) Trichlorofluoromethane	1.87	101	337282	48.415	ug/l	99
8) Diethyl Ether	2.09	74	147778	49.587	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	212062	48.051	ug/l	98
10) Methyl Iodide	2.40	142	299006	47.761	ug/l	99
11) Tert butyl alcohol	2.82	59	330695	249.166	ug/l	100
12) 1,1-Dichloroethene	2.27	96	220374	49.009	ug/l	98
13) Acrolein	2.18	56	129563	232.058	ug/l	100
14) Allyl chloride	2.58	41	420162m	49.698	ug/l	
15) Acrylonitrile	2.92	53	767858	252.126	ug/l	100
16) Acetone	2.31	43	697691	237.583	ug/l	100
17) Carbon Disulfide	2.46	76	694253	48.783	ug/l	99
18) Methyl Acetate	2.60	43	343681	45.288	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	757862	51.439	ug/l	100
20) Methylene Chloride	2.68	84	264249	47.532	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	241956	49.580	ug/l	100
22) Diisopropyl ether	3.55	45	779689	50.329	ug/l	97
23) Vinyl Acetate	3.50	43	3470614	260.791	ug/l	100
24) 1,1-Dichloroethane	3.42	63	455801	49.835	ug/l	100
25) 2-Butanone	4.23	43	1055279	258.291	ug/l	100
26) 2,2-Dichloropropane	4.20	77	370085	49.727	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	273067	49.852	ug/l	99
28) Bromochloromethane	4.52	49	220821	49.004	ug/l	99
29) Tetrahydrofuran	4.61	42	653056	259.190	ug/l	99
30) Chloroform	4.65	83	432794	47.427	ug/l	98
31) Cyclohexane	4.97	56	408721	47.557	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	367861	49.220	ug/l	99
36) 1,1-Dichloropropene	5.11	75	328691	48.548	ug/l	100
37) Ethyl Acetate	4.35	43	370291	48.840	ug/l	99
38) Carbon Tetrachloride	5.11	117	323483	49.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	404185	50.650	ug/l	100
40) Benzene	5.37	78	1009334	49.273	ug/l	100
41) Methacrylonitrile	4.52	41	202886	52.178	ug/l	99
42) 1,2-Dichloroethane	5.38	62	341990	48.347	ug/l	98
43) Isopropyl Acetate	5.53	43	583731	50.608	ug/l	100
44) Trichloroethene	6.17	130	269742	50.145	ug/l	96
45) 1,2-Dichloropropane	6.41	63	279887	49.636	ug/l	100
46) Dibromomethane	6.54	93	179007	49.274	ug/l	99
47) Bromodichloromethane	6.74	83	346437	48.741	ug/l	100
48) Methyl methacrylate	6.60	41	289019	51.926	ug/l	99
49) 1,4-Dioxane	6.59	88	141418	1014.051	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1990319	249.859	ug/l	99
52) Toluene	7.62	92	632151	50.096	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	395795	50.186	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	435486	50.543	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	259374	48.594	ug/l	99
56) Ethyl methacrylate	8.00	69	416962	47.151	ug/l	99
57) 1,3-Dichloropropane	8.22	76	440345	48.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	743229	251.692	ug/l	99
59) 2-Hexanone	8.34	43	1547239	257.297	ug/l	100
60) Dibromochloromethane	8.46	129	284152	49.594	ug/l	100
61) 1,2-Dibromoethane	8.57	107	273686	48.675	ug/l	99
64) Tetrachloroethene	8.21	164	235601	51.976	ug/l	99
65) Chlorobenzene	9.10	112	701449	50.500	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	250569	49.748	ug/l	100
67) Ethyl Benzene	9.23	91	1226391	52.085	ug/l	100
68) m/p-Xylenes	9.36	106	944968	105.547	ug/l	100
69) o-Xylene	9.76	106	454588	52.924	ug/l	99
70) Styrene	9.77	104	795024	53.982	ug/l	100
71) Bromoform	9.94	173	222238	50.784	ug/l #	99
73) Isopropylbenzene	10.15	105	1231753	52.296	ug/l	100
74) N-amyl acetate	10.00	43	542629	54.776	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	432494	47.975	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	376022m	47.579	ug/l	
77) Bromobenzene	10.43	156	316675	49.981	ug/l	99
78) n-propylbenzene	10.57	91	1435830	52.345	ug/l	100
79) 2-Chlorotoluene	10.64	91	843421	51.263	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	1068854	53.542	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	112387m	47.884	ug/l	
82) 4-Chlorotoluene	10.76	91	967993	51.157	ug/l	99
83) tert-Butylbenzene	11.08	119	1022200	52.015	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	1059029	53.425	ug/l	99
85) sec-Butylbenzene	11.30	105	1237675	52.547	ug/l	100
86) p-Isopropyltoluene	11.46	119	1146234	53.807	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	565795	50.441	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	565424	49.844	ug/l	100
89) n-Butylbenzene	11.87	91	1015794	54.084	ug/l	99
90) Hexachloroethane	12.12	117	180231	48.935	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	551079	51.287	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	94862	52.819	ug/l	99

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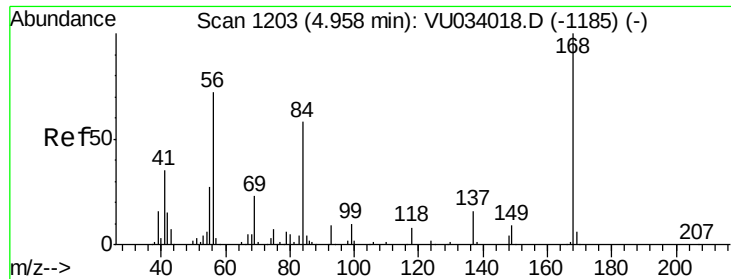
Manual Integrations
APPROVED

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8/29/2019 8:47:57 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	383544	50.180	ug/l	98
94) Hexachlorobutadiene	13.67	225	213566	50.809	ug/l	99
95) Naphthalene	13.73	128	1156627	52.743	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	379917	55.196	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion:168 Resp: 449165

Ion Ratio Lower Upper

168 100

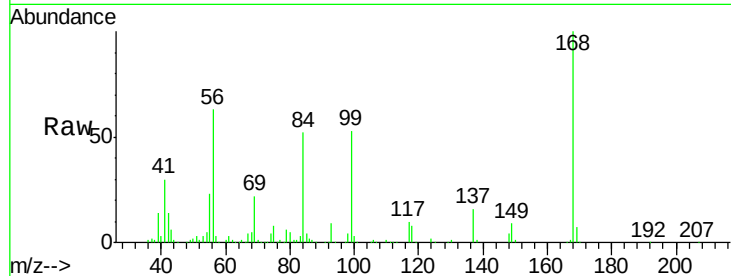
99 52.7 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034021.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034021.D (-1185) (-)

4.96

200000

150000

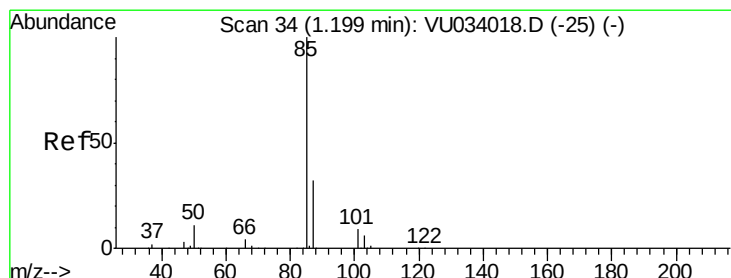
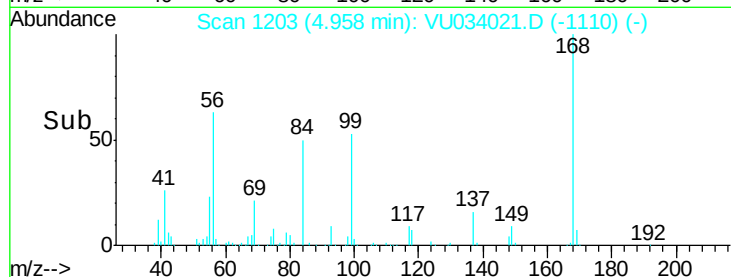
100000

50000

0

4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 50.699 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034021.D

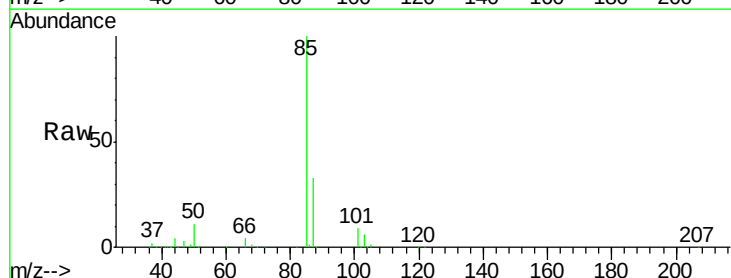
Acq: 28 Aug 2019 14:01

Tgt Ion: 85 Resp: 229024

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034021.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034021.D (-1) (-)

1.20

250000

200000

150000

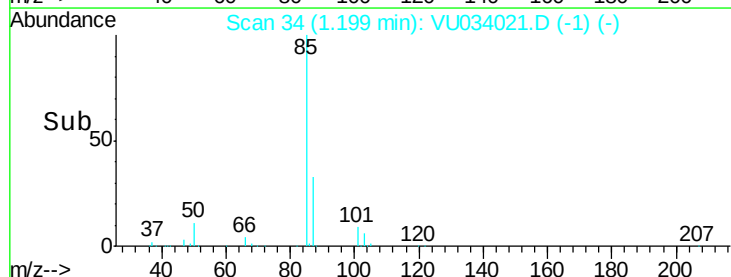
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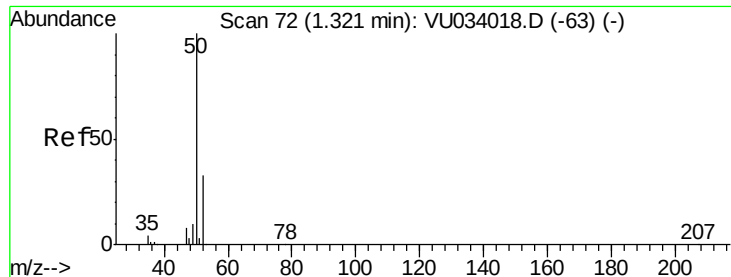
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 50.487 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion: 50 Resp: 304457

Ion Ratio Lower Upper

50 100

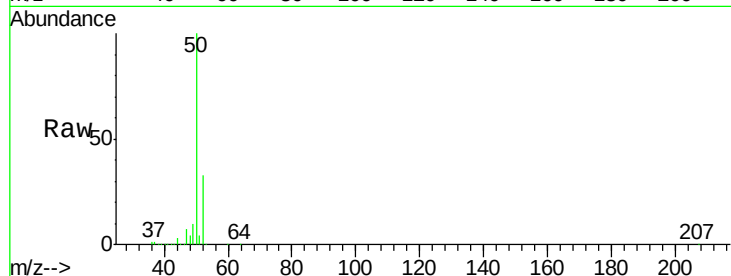
52 32.7 26.2 39.4

Manual Integrations

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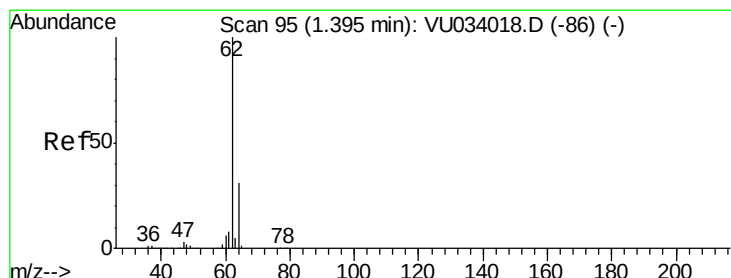
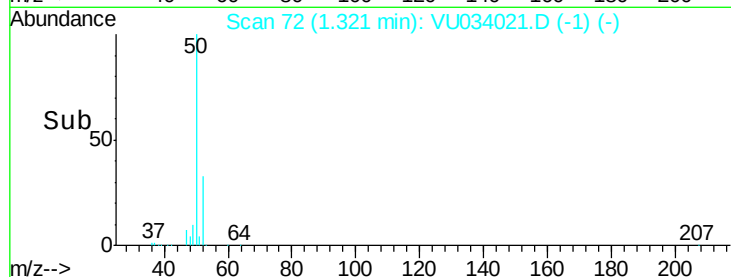
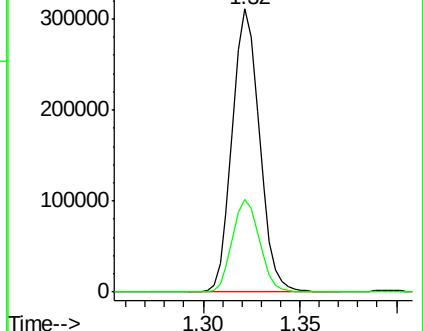
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Abundance Ion 49.90 (49.60 to 50.60): VU034021.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034021.D (-1) (-)



#4

Vinyl Chloride

Concen: 48.976 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034021.D

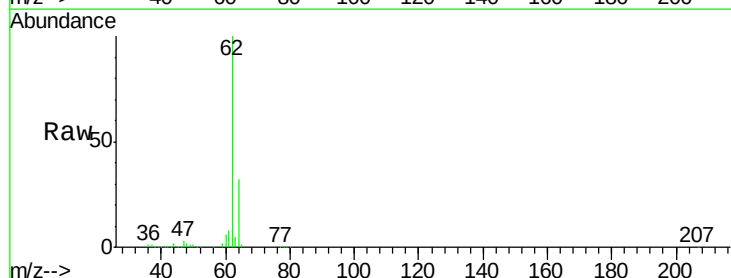
Acq: 28 Aug 2019 14:01

Tgt Ion: 62 Resp: 294458

Ion Ratio Lower Upper

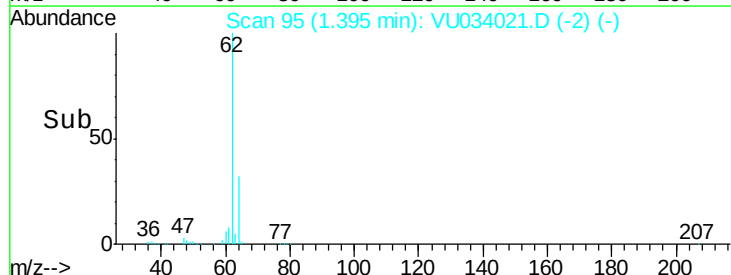
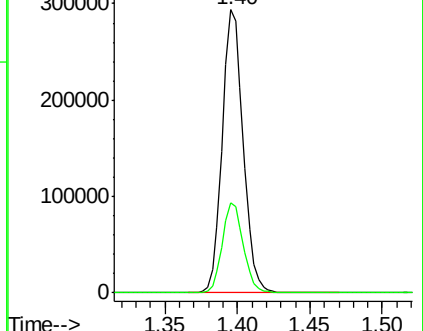
62 100

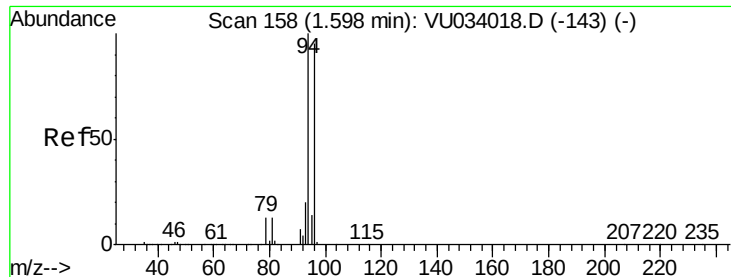
64 31.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034021.D (-2) (-)

Ion 63.90 (63.60 to 64.60): VU034021.D (-2) (-)





#5

Bromomethane

Concen: 60.267 ug/l

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion: 94 Resp: 170964

Ion Ratio Lower Upper

94 100

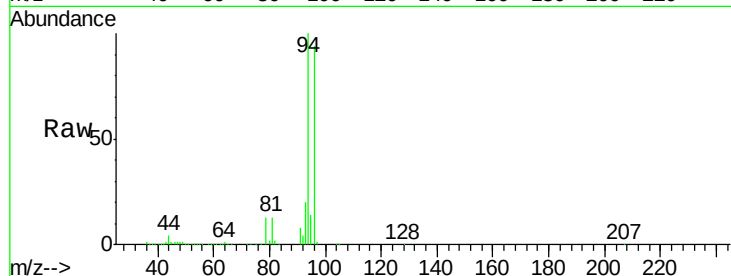
96 93.6 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU034021.D (-158) (-)

Ion 95.90 (95.60 to 96.60): VU034021.D (-158) (-)

1.60

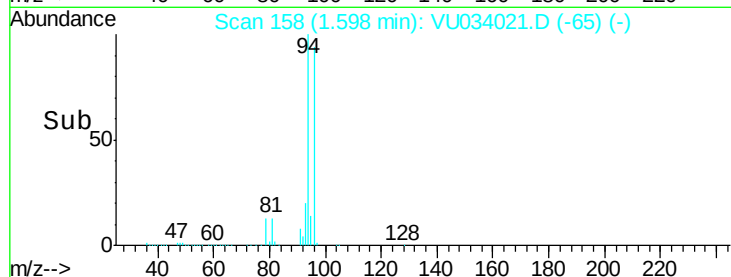
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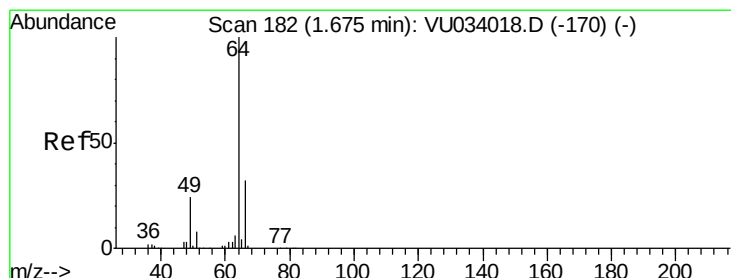
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0

Time-->



Time-->



#6

Chloroethane

Concen: 47.101 ug/l

RT: 1.68 min Scan# 183

Delta R.T. 0.00 min

Lab File: VU034021.D

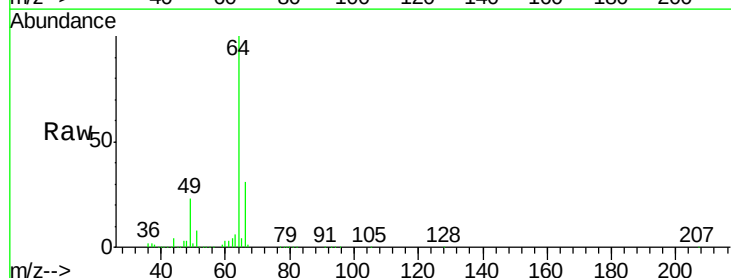
Acq: 28 Aug 2019 14:01

Tgt Ion: 64 Resp: 173129

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034021.D (-182) (-)

Ion 65.90 (65.60 to 66.60): VU034021.D (-182) (-)

1.68

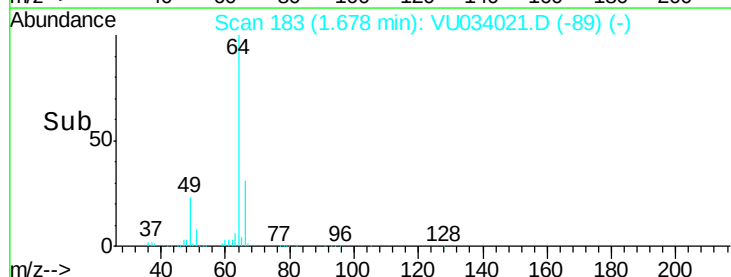
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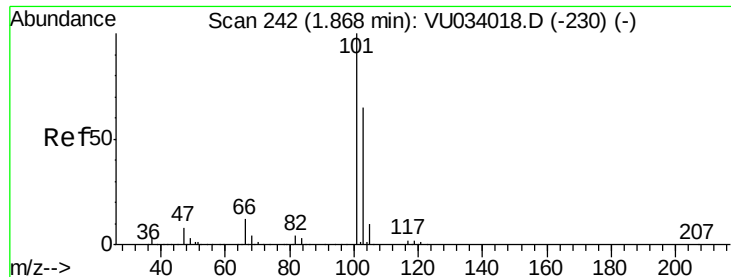
100000

50000

0

Time-->





#7

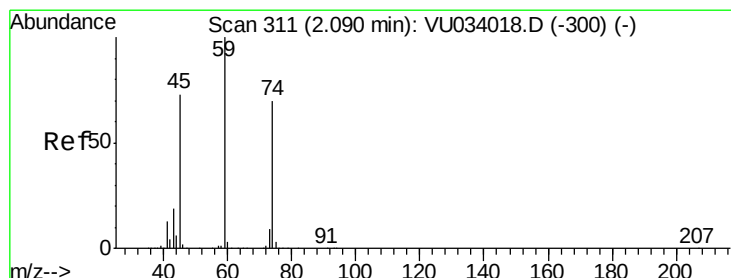
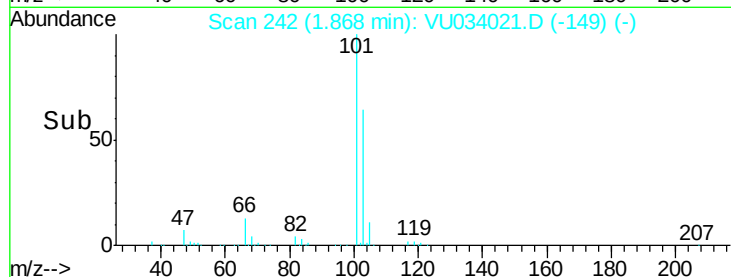
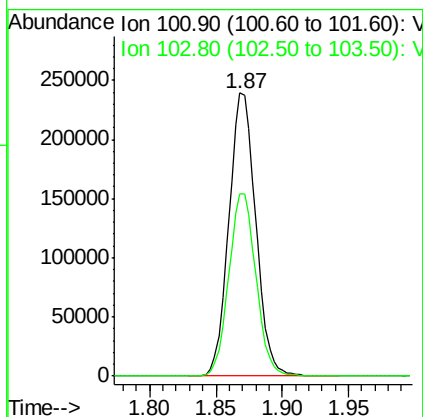
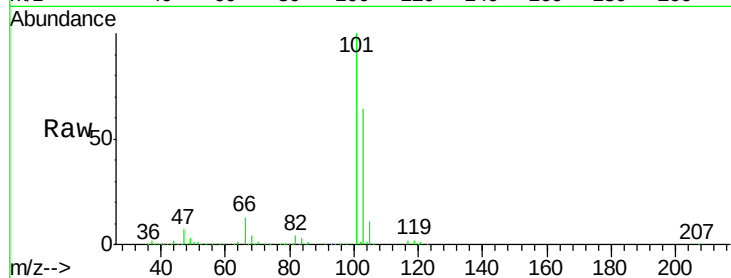
Trichlorofluoromethane
Concen: 48.415 ug/l
RT: 1.87 min Scan# 242
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampled :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.1	78.1

Manual Integrations
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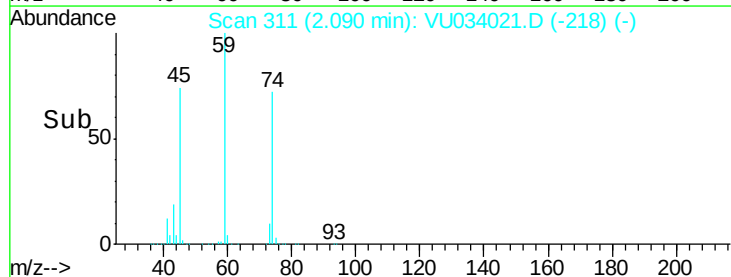
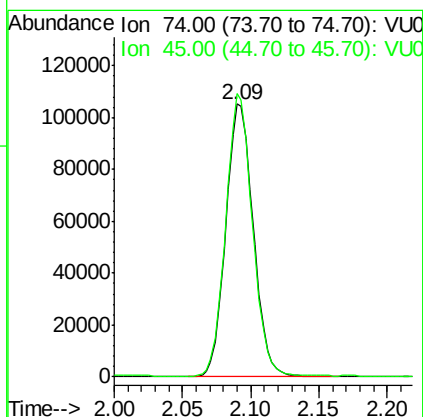
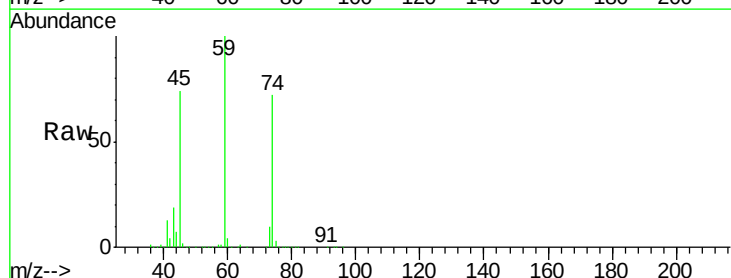
MMDadoda
8/29/2019 8:47:57 AM

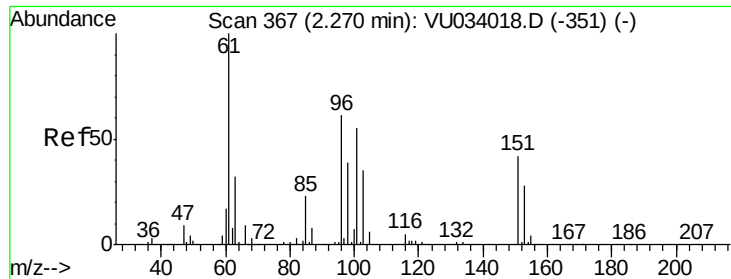


#8

Diethyl Ether
Concen: 49.587 ug/l
RT: 2.09 min Scan# 311
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.051 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

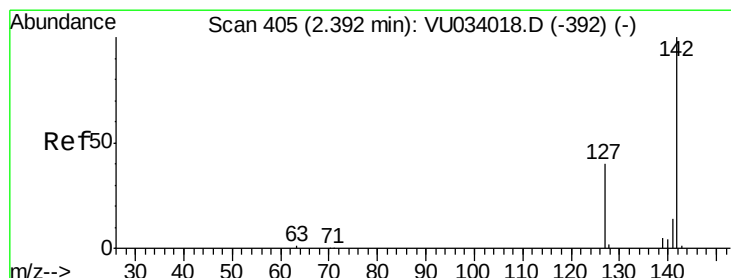
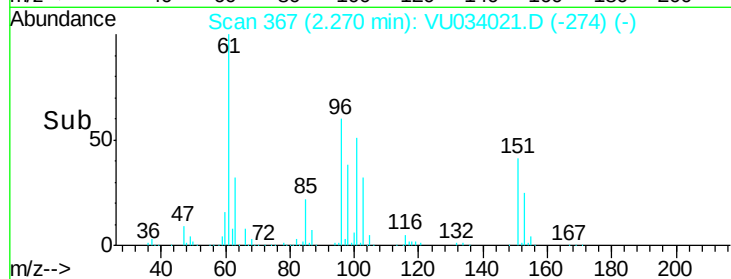
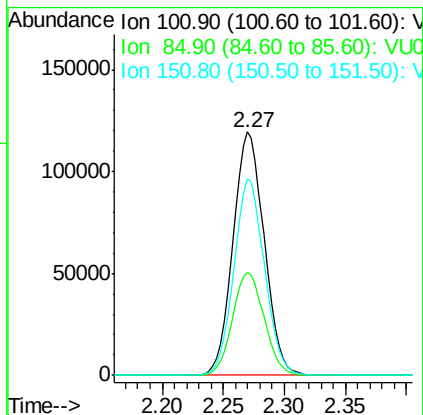
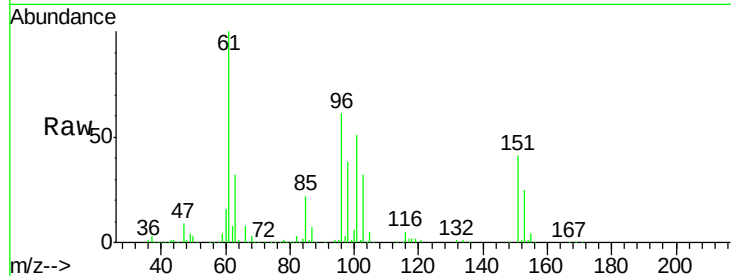
ClientSampleId :

ICVVU082919

Tot Ion:	101	Resp:	212062
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.2
151	79.2	61.4	92.2

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#10

Methyl Iodide

Concen: 47.761 ug/l

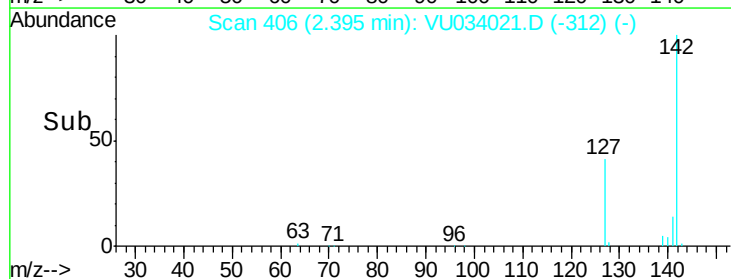
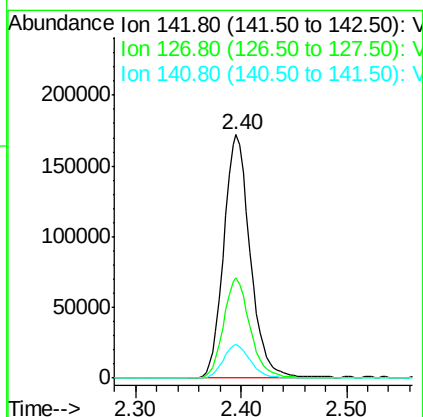
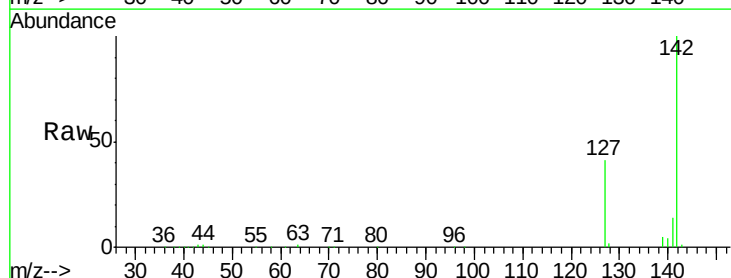
RT: 2.40 min Scan# 406

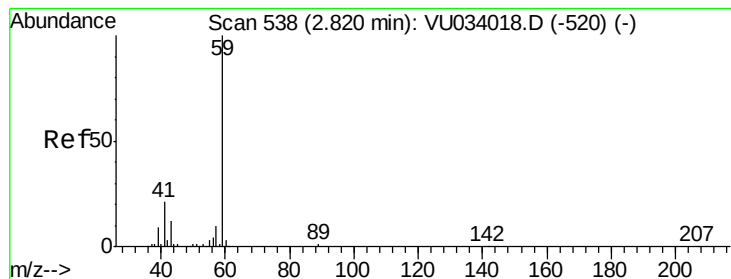
Delta R.T. 0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion:	142	Resp:	299006
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.6	48.8
141	14.1	11.3	16.9





#11

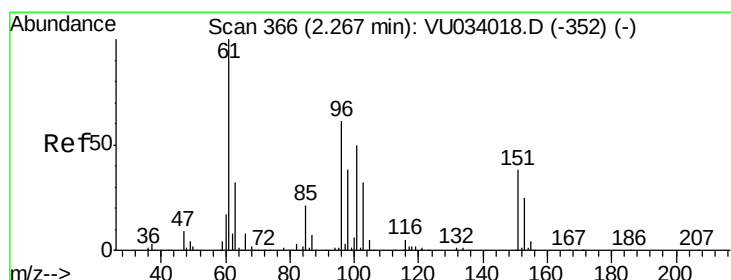
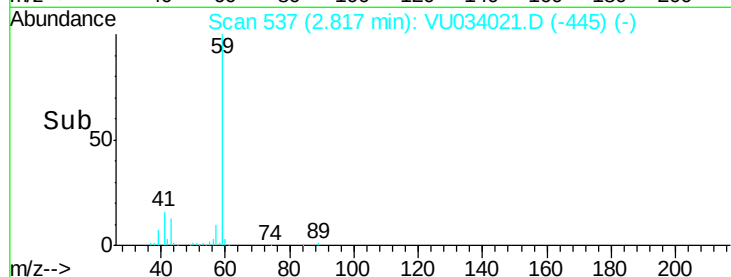
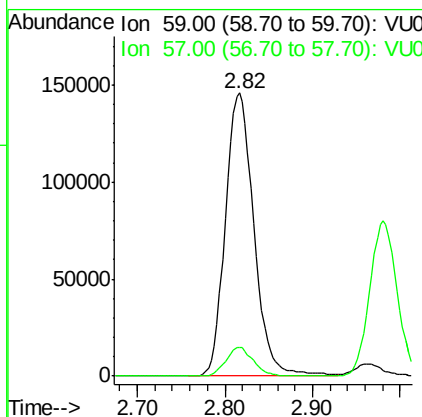
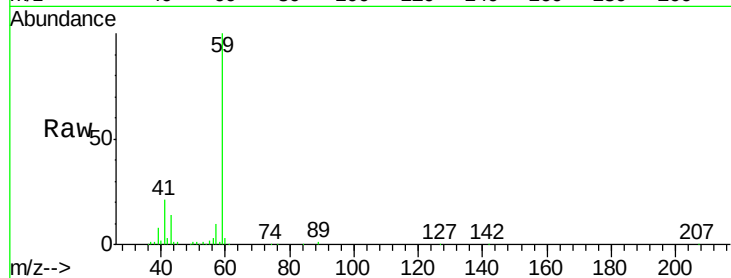
Tert butyl alcohol
 Concen: 249.166 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Tot Ion	Ratio	Resp	Lower	Upper
59	100	330695		
57	9.8		8.0	12.0

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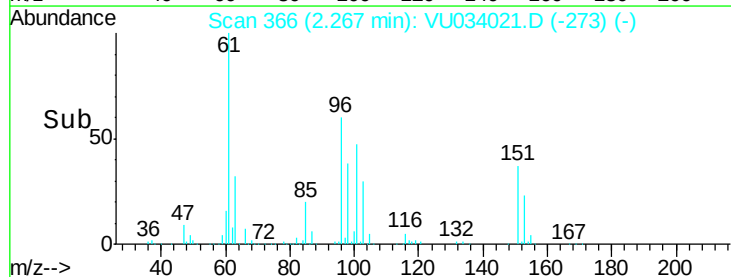
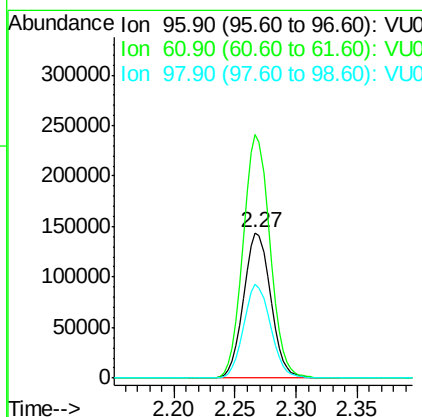
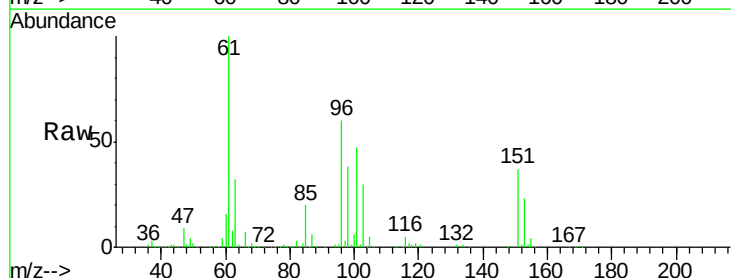
MMDadoda
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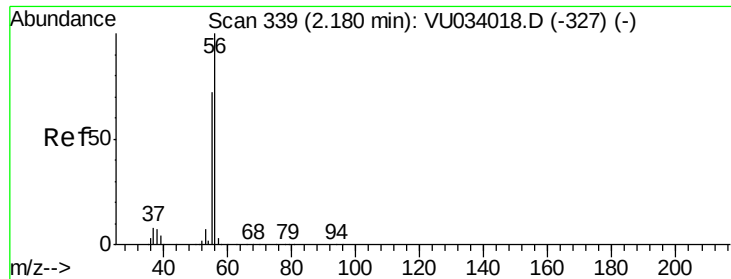


#12

1,1-Dichloroethene
 Concen: 49.009 ug/l
 RT: 2.27 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	220374		
61	167.7		131.3	196.9
98	64.2		50.3	75.5





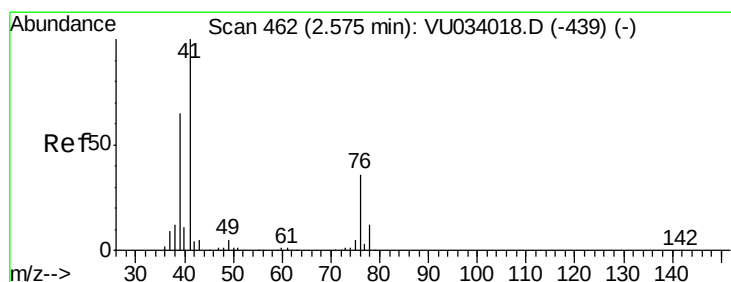
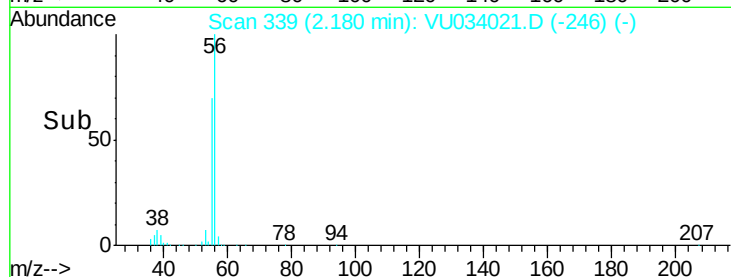
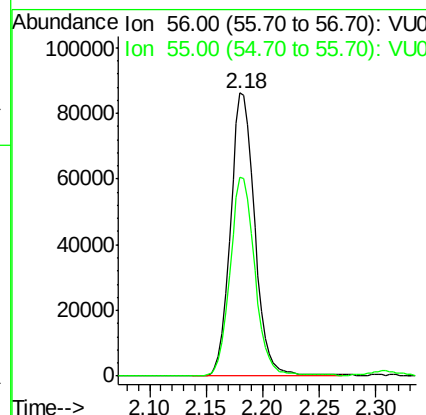
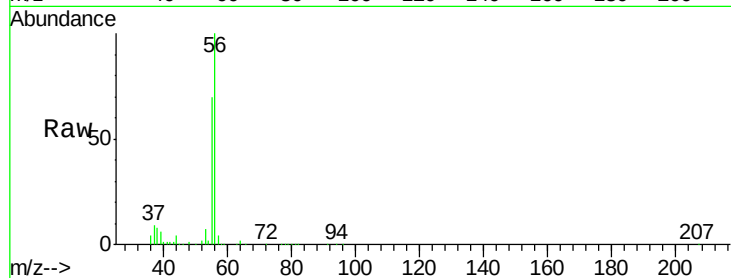
#13
Acrolein
Concen: 232.058 ug/l
RT: 2.18 min Scan# 339
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.1	85.7

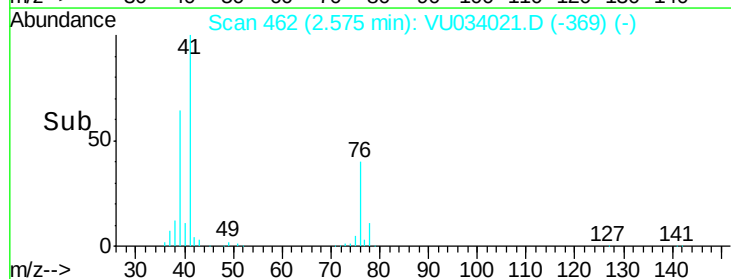
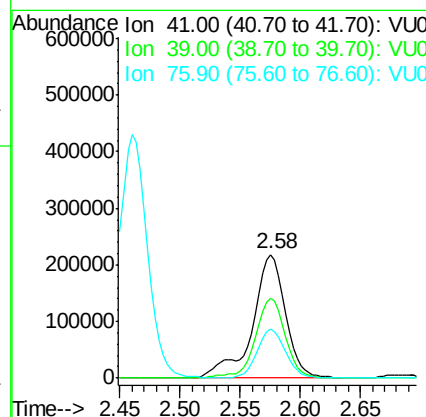
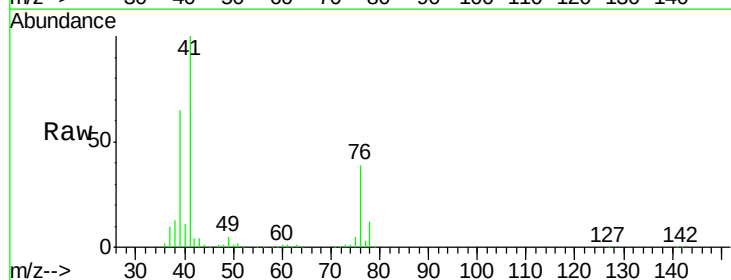
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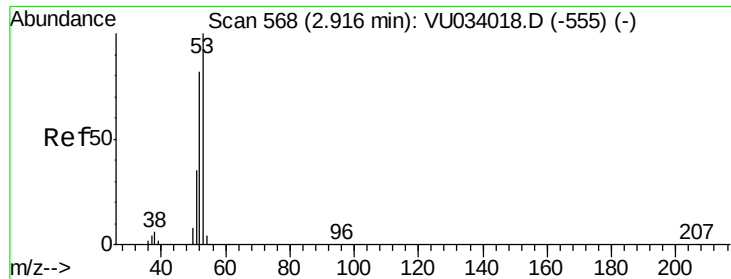
MMDadoda
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#14
Allyl chloride
Concen: 49.698 ug/l m
RT: 2.58 min Scan# 462
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.7	46.8	70.2
76	33.9	26.6	40.0





#15

Acrylonitrile

Concen: 252.126 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

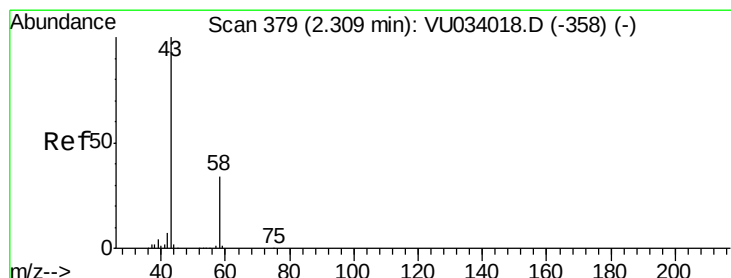
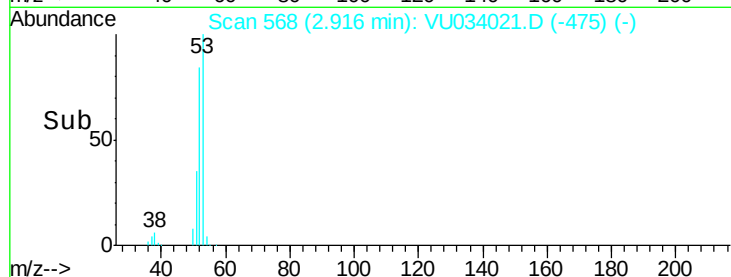
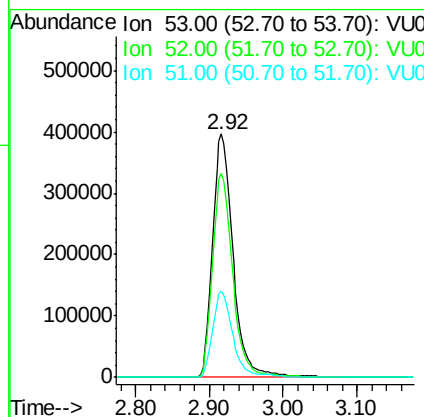
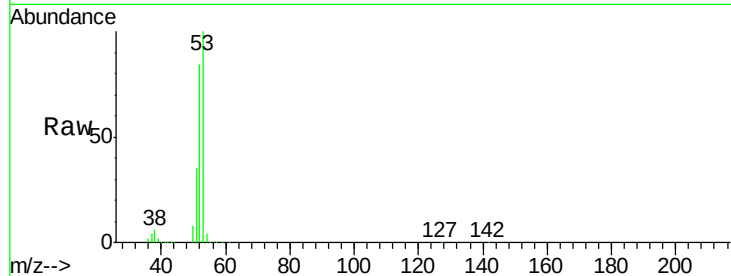
ClientSampled :

ICVVU082919

Tot Ion:	53	Resp:	767858
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.7	98.5
51	35.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 237.583 ug/l

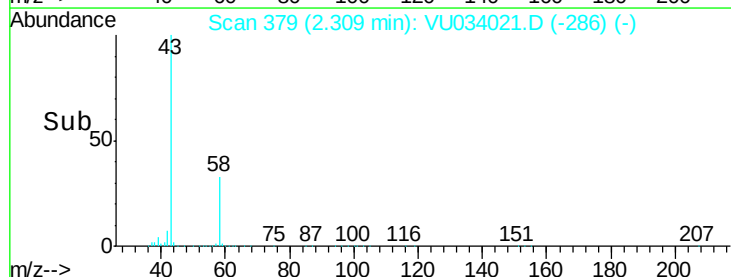
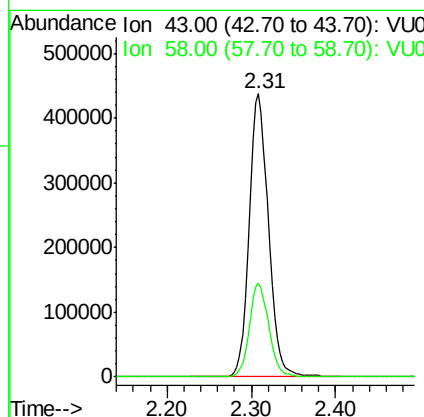
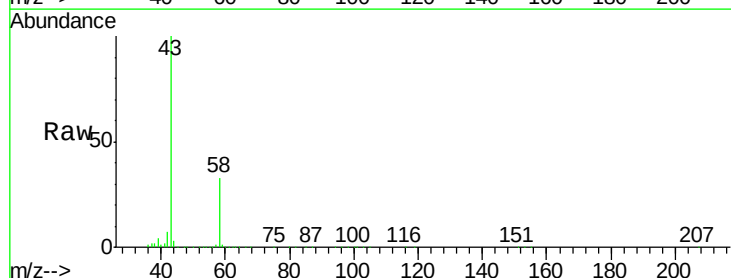
RT: 2.31 min Scan# 379

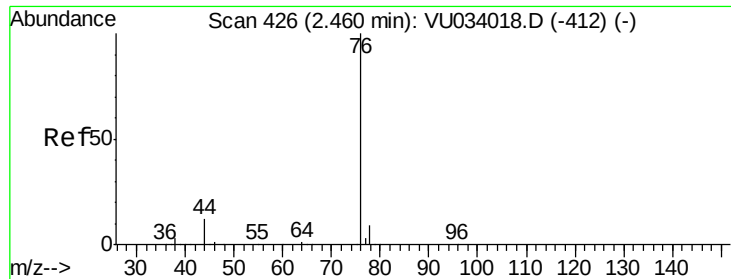
Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion:	43	Resp:	697691
Ion Ratio	Lower	Upper	
43	100		
58	33.3	26.8	40.2





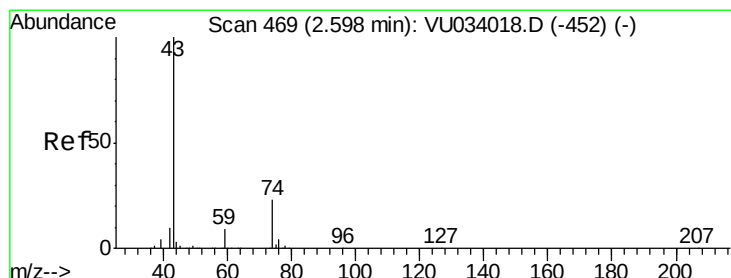
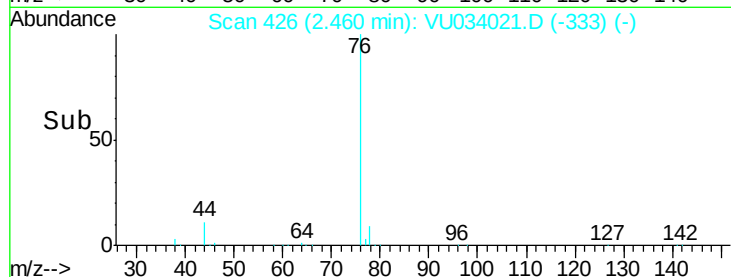
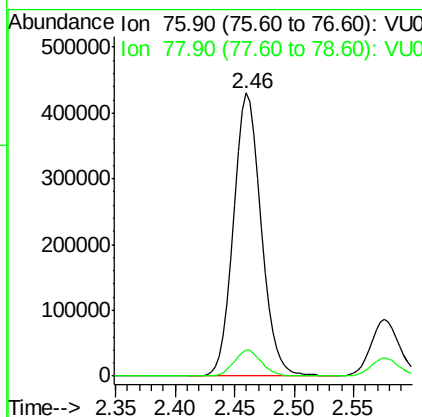
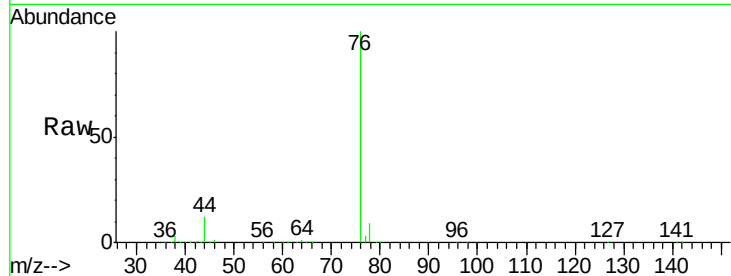
#17
Carbon Disulfide
Concen: 48.783 ug/l
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

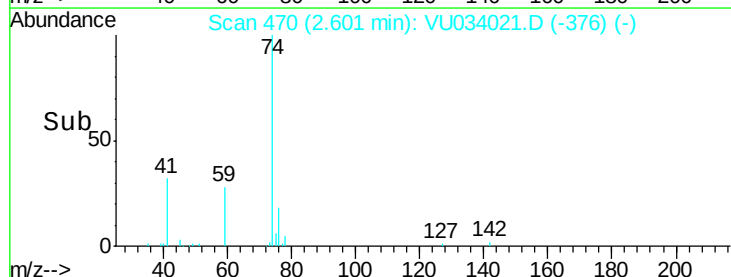
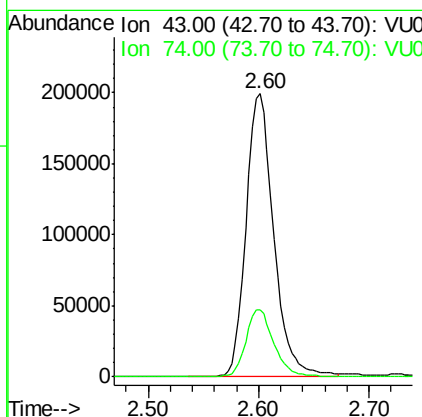
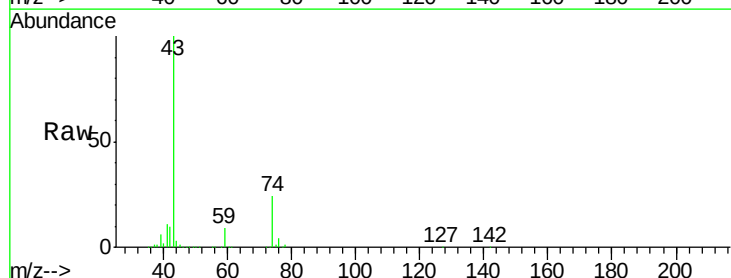
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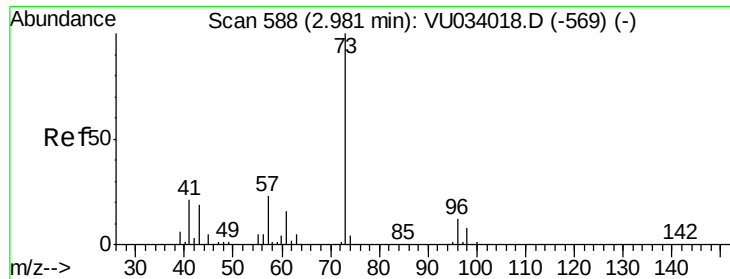
MMDadoda
8/29/2019 8:47:57 AM



#18
Methyl Acetate
Concen: 45.288 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





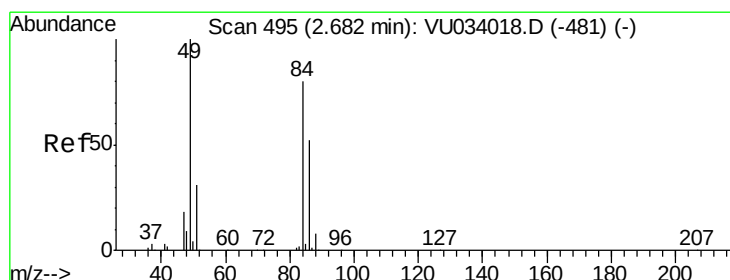
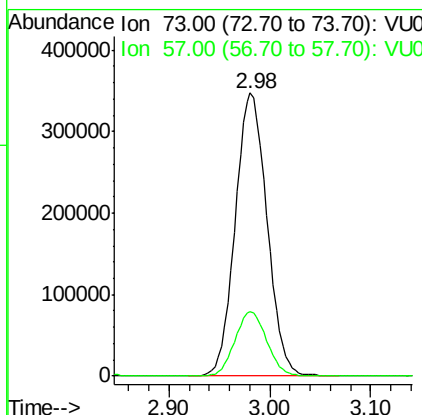
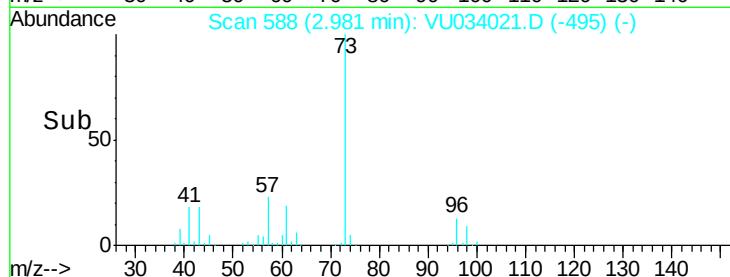
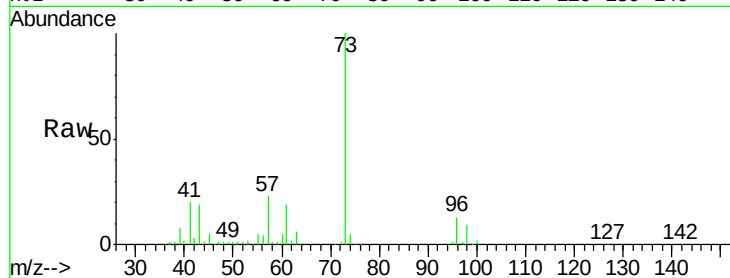
#19
Methyl tert-butyl Ether
Concen: 51.439 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.3	27.5

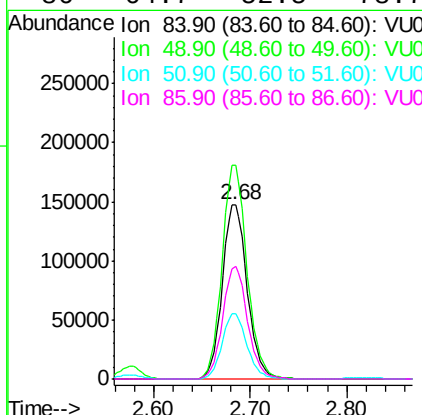
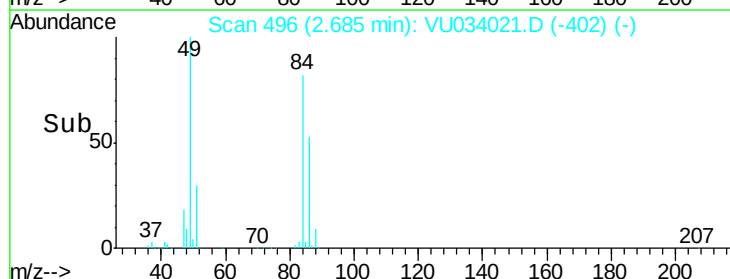
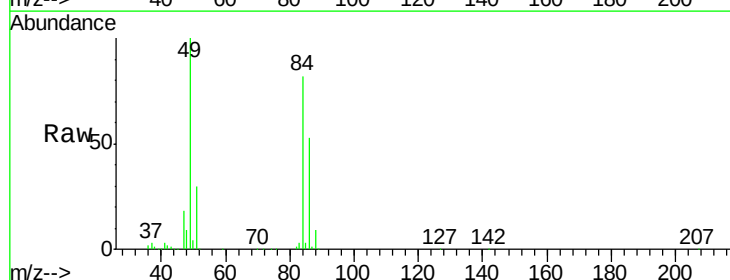
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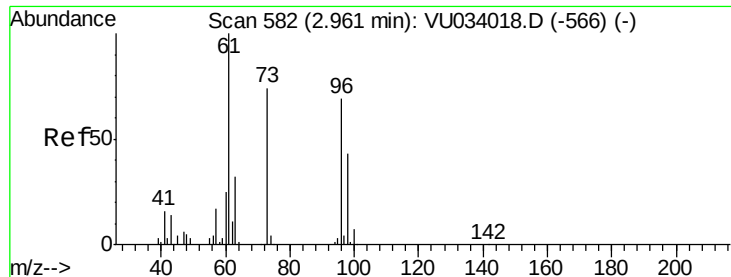
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#20
Methylene Chloride
Concen: 47.532 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.5	100.2	150.4
51	37.2	30.8	46.2
86	64.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 49.580 ug/l

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion: 96 Resp: 241956

Ion Ratio Lower Upper

96 100

61 143.8 115.5 173.3

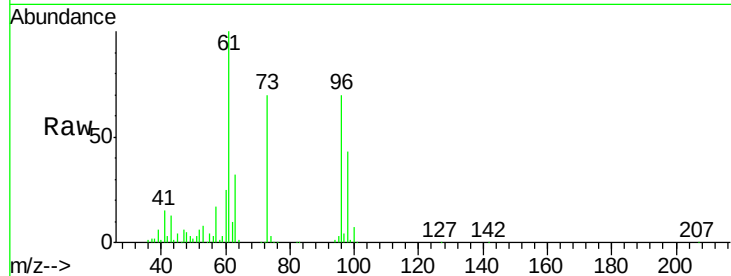
98 62.4 50.1 75.1

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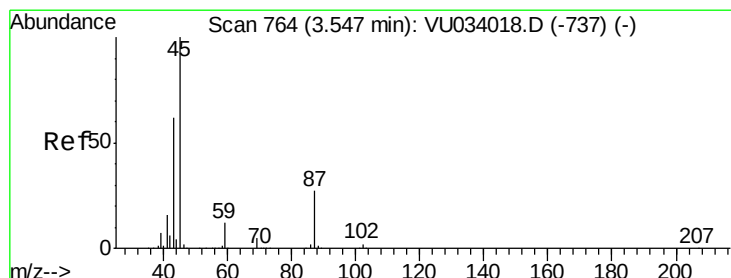
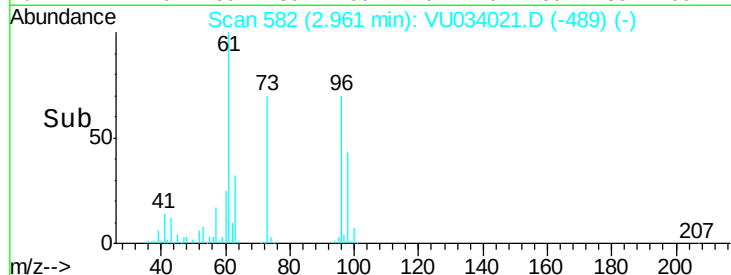
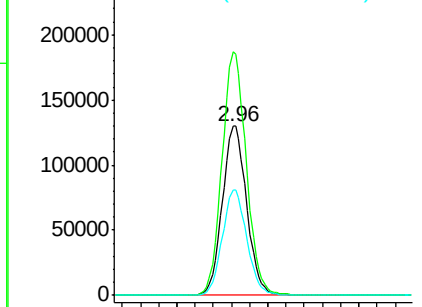


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 50.329 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion: 45 Resp: 779689

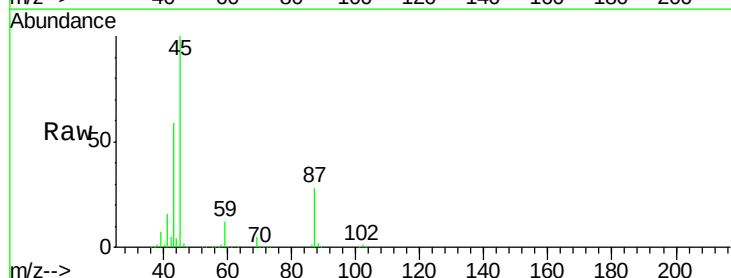
Ion Ratio Lower Upper

45 100

43 59.0 49.7 74.5

87 28.3 21.8 32.8

59 12.0 9.3 13.9



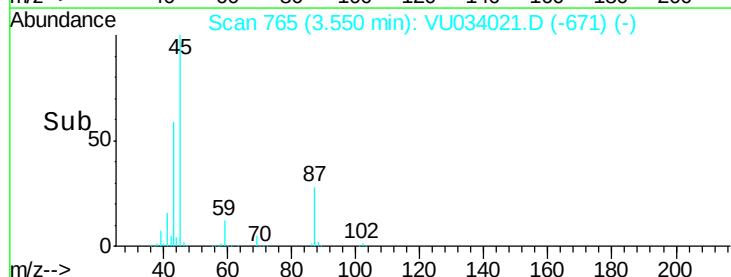
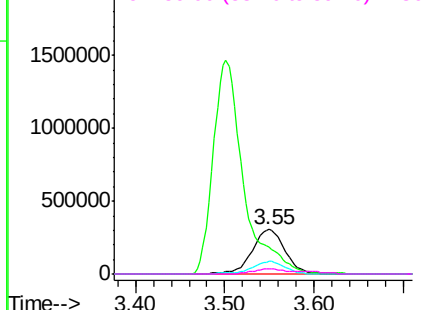
Abundance

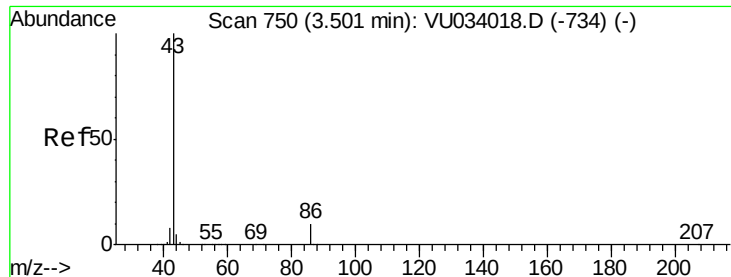
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 260.791 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion: 43 Resp: 3470614

Ion Ratio Lower Upper

43 100

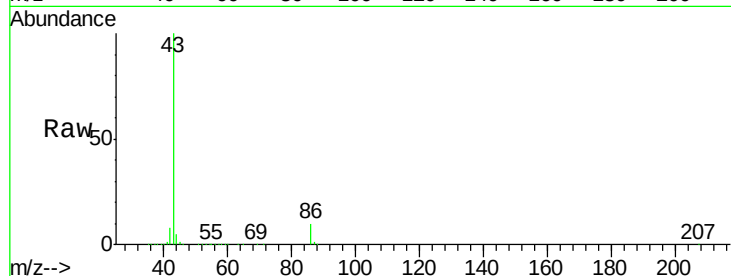
86 10.3 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VU034021.D (-657) (-)

Ion 86.00 (85.70 to 86.70): VU034021.D (-657) (-)

1500000

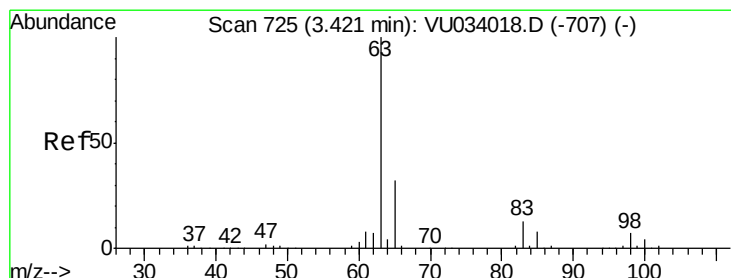
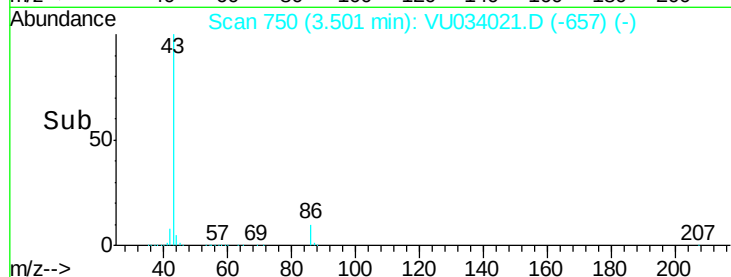
1000000

500000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 49.835 ug/l

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

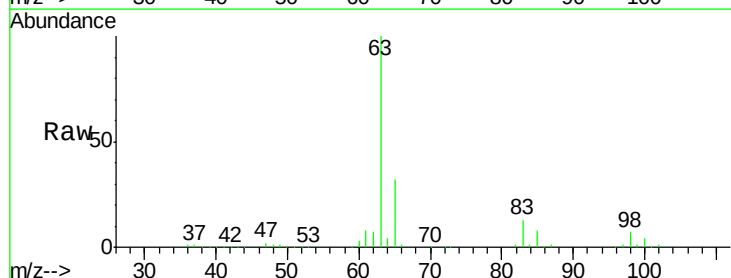
Tgt Ion: 63 Resp: 455801

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034021.D (-632) (-)

Ion 97.90 (97.60 to 98.60): VU034021.D (-632) (-)

Ion 99.90 (99.60 to 100.60): VU034021.D (-632) (-)

250000

200000

150000

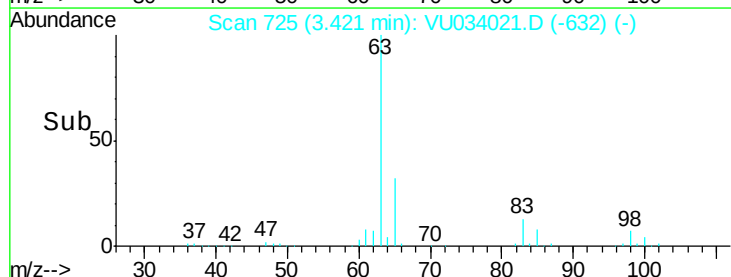
100000

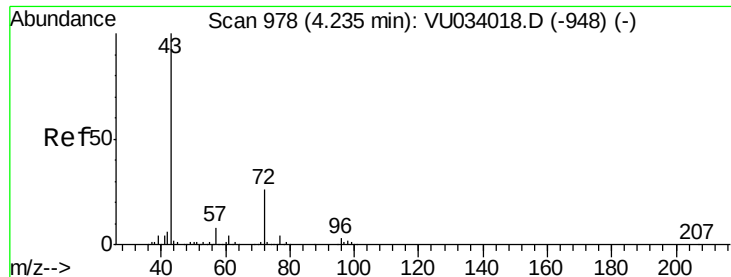
50000

0

3.30 3.40 3.50

Time-->





#25

2-Butanone

Concen: 258.291 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion: 43 Resp: 1055279

Ion Ratio Lower Upper

43 100

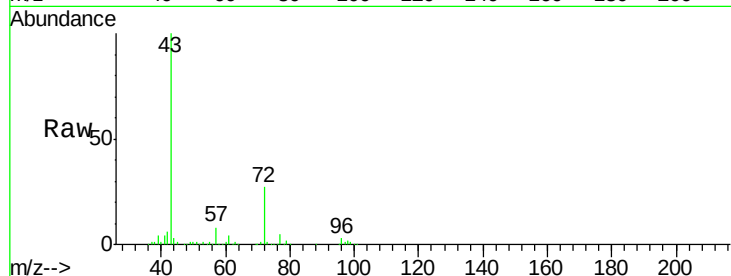
72 26.7 21.2 31.8

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Abundance Ion 43.00 (42.70 to 43.70): VU034021.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034021.D (-885) (-)

4.23

4.20

4.30

4.40

4.50

4.60

4.70

4.80

4.90

5.00

5.10

5.20

5.30

5.40

5.50

5.60

5.70

5.80

5.90

6.00

6.10

6.20

6.30

6.40

6.50

6.60

6.70

6.80

6.90

7.00

7.10

7.20

7.30

7.40

7.50

7.60

7.70

7.80

7.90

8.00

8.10

8.20

8.30

8.40

8.50

8.60

8.70

8.80

8.90

9.00

9.10

9.20

9.30

9.40

9.50

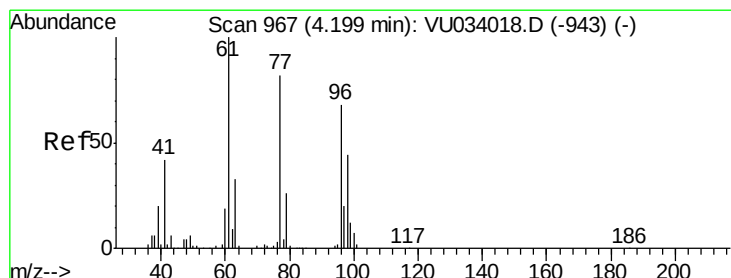
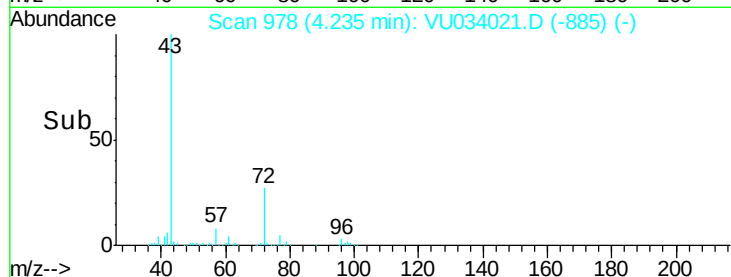
9.60

9.70

9.80

9.90

10.00



#26

2,2-Dichloropropane

Concen: 49.727 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034021.D

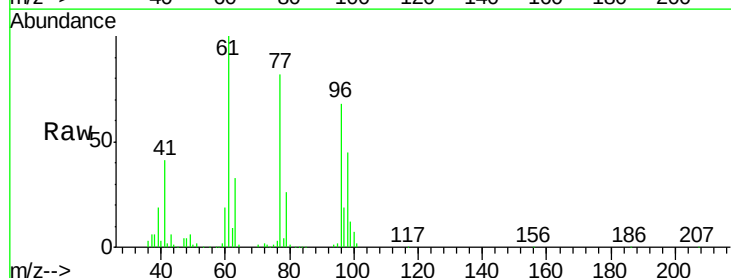
Acq: 28 Aug 2019 14:01

Tgt Ion: 77 Resp: 370085

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034021.D (-874) (-)

Ion 96.90 (96.60 to 97.60): VU034021.D (-874) (-)

4.20

4.20

4.30

4.40

4.50

4.60

4.70

4.80

4.90

5.00

5.10

5.20

5.30

5.40

5.50

5.60

5.70

5.80

5.90

6.00

6.10

6.20

6.30

6.40

6.50

6.60

6.70

6.80

6.90

7.00

7.10

7.20

7.30

7.40

7.50

7.60

7.70

7.80

7.90

8.00

8.10

8.20

8.30

8.40

8.50

8.60

8.70

8.80

8.90

9.00

9.10

9.20

9.30

9.40

9.50

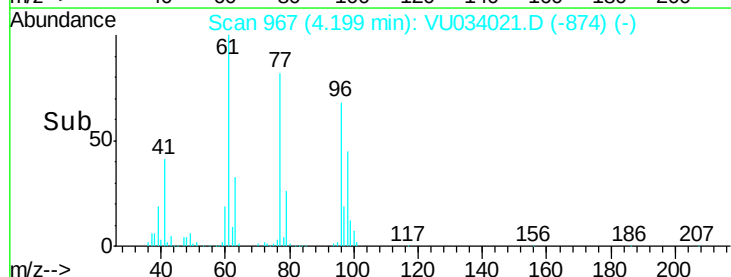
9.60

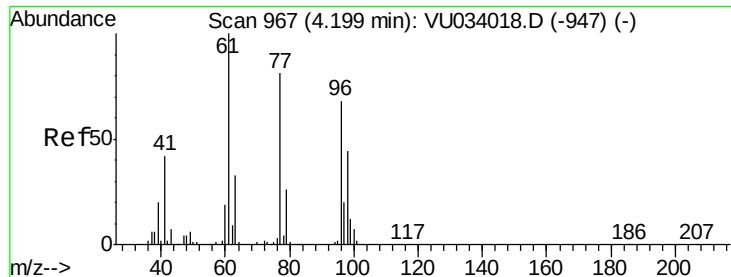
9.70

9.80

9.90

10.00





#27

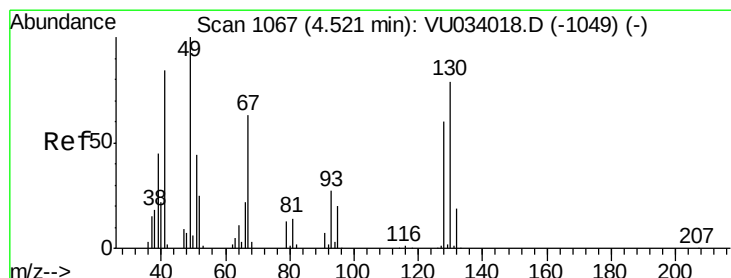
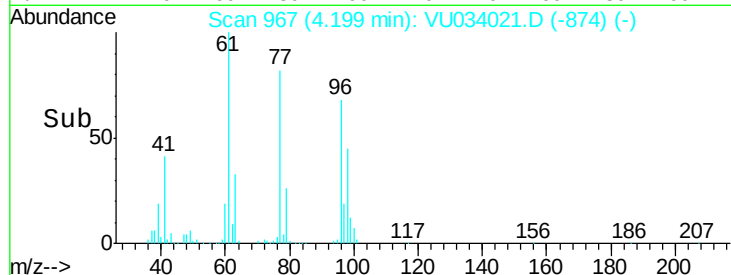
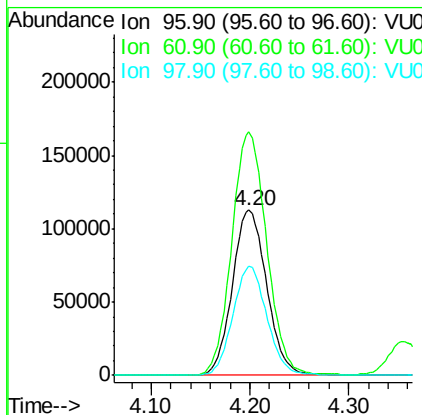
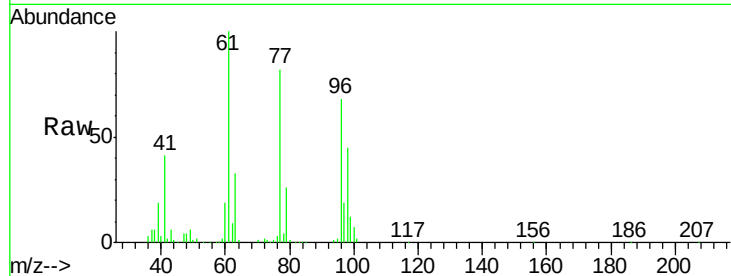
cis-1,2-Dichloroethene
Concen: 49.852 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Resp	Lower	Upper
96	100	273067		
61	150.0	0.0	303.0	
98	65.6	0.0	129.2	

Manual Integrations
APPROVED

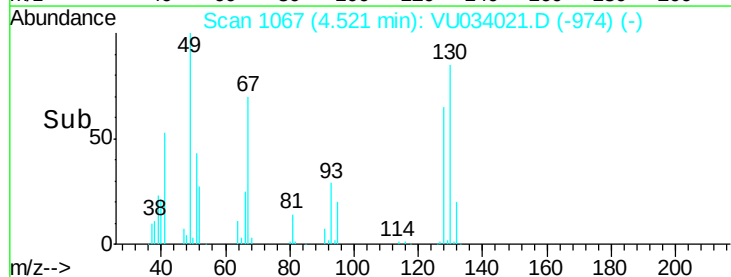
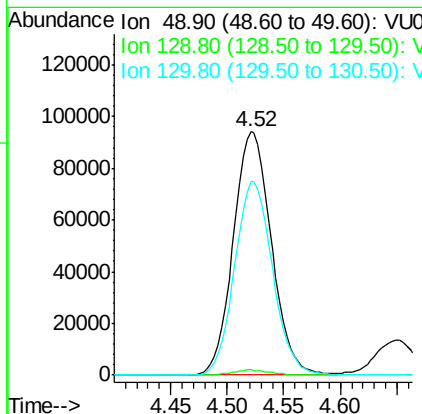
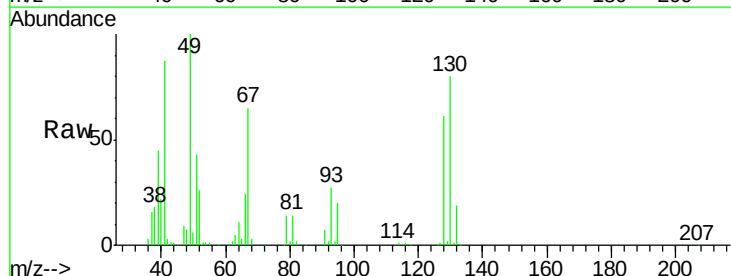
MMDadoda
8/29/2019 8:47:57 AM

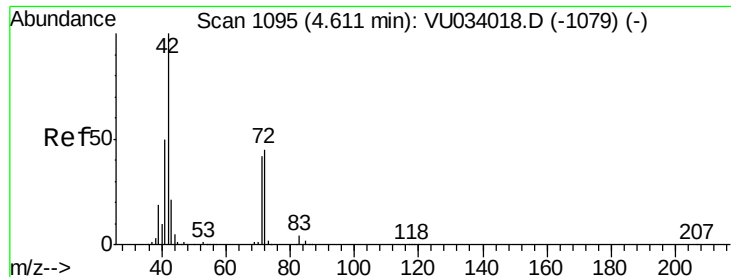


#28

Bromochloromethane
Concen: 49.004 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	220821		
129	2.0	0.0	3.6	
130	79.6	62.8	94.2	





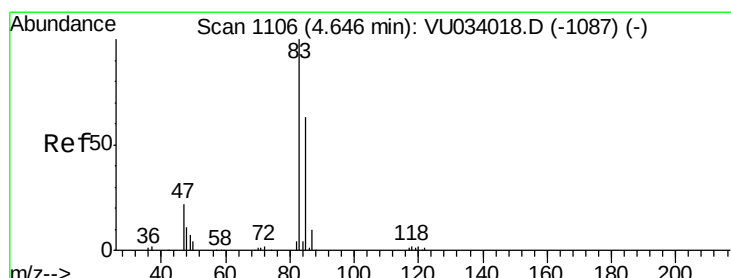
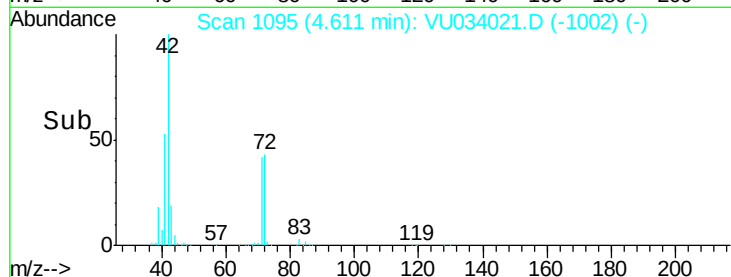
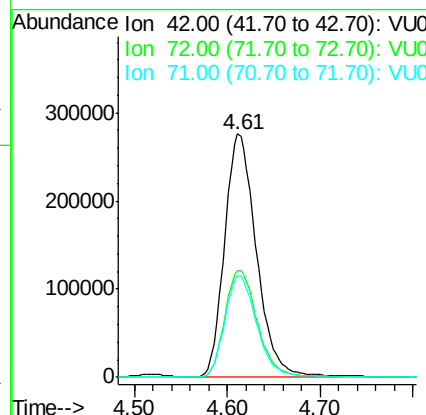
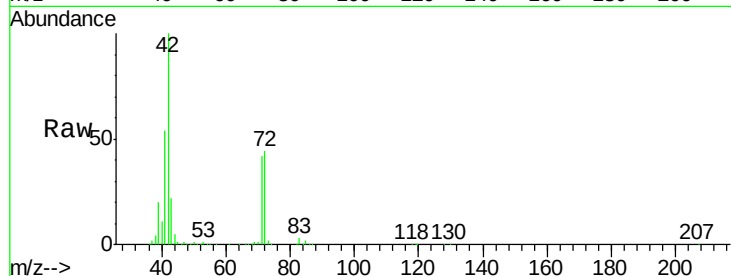
#29
Tetrahydrofuran
Concen: 259.190 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.8	53.6
71	42.2	34.0	51.0

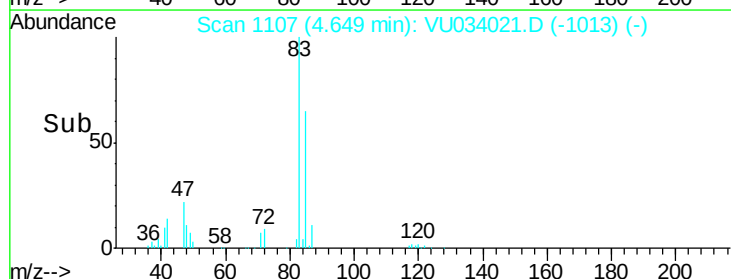
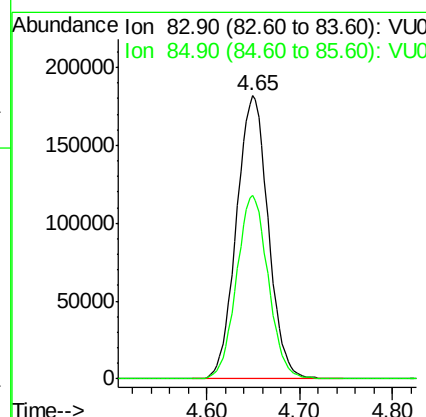
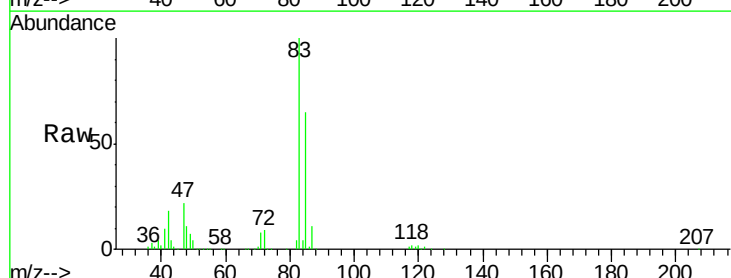
Manual Integrations
APPROVED

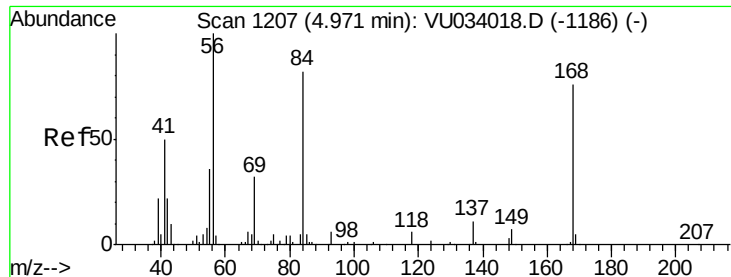
MMDadoda
8/29/2019 8:47:57 AM



#30
Chloroform
Concen: 47.427 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1





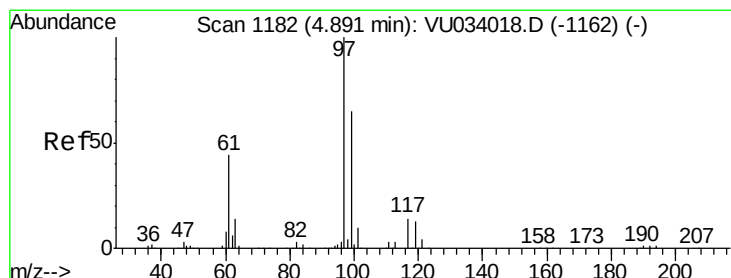
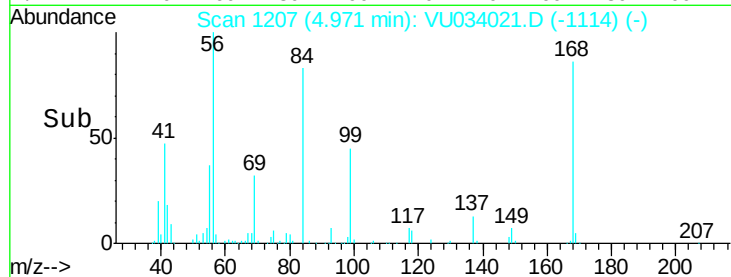
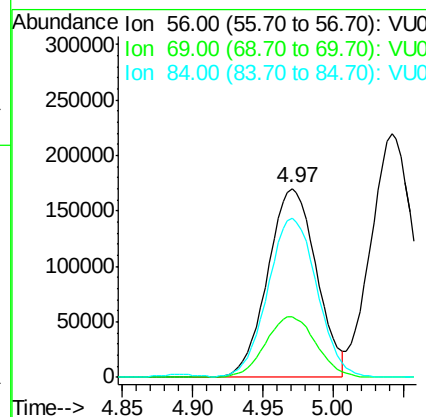
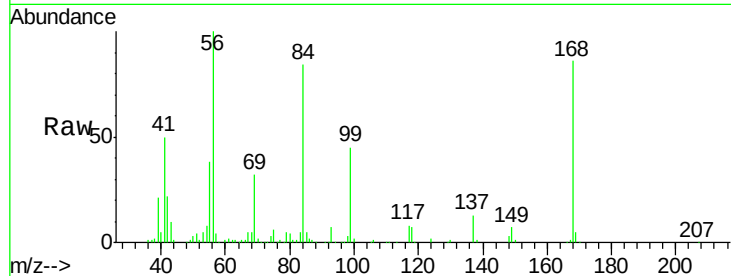
#31
Cyclohexane
Concen: 47.557 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.4	38.0
84	83.0	65.8	98.8

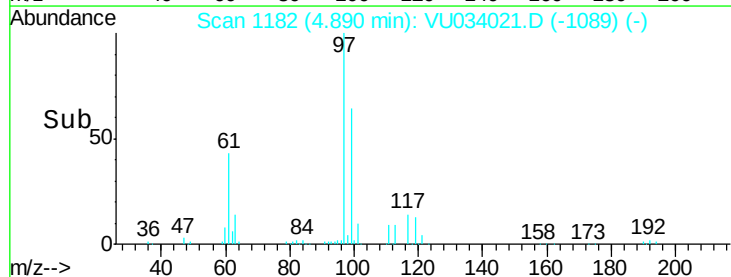
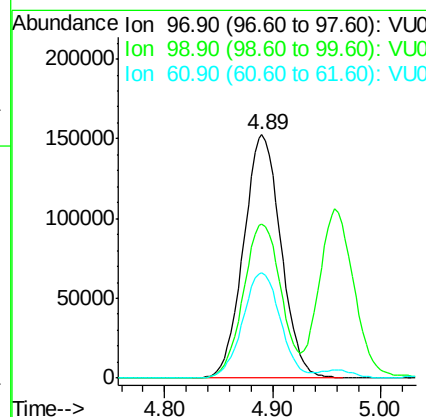
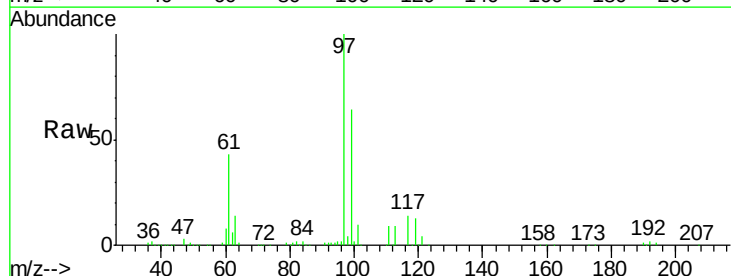
Manual Integrations
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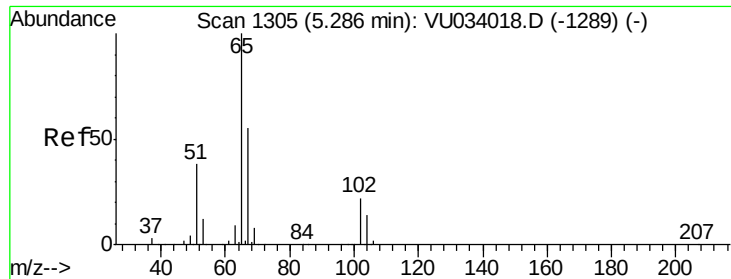
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#32
1,1,1-Trichloroethane
Concen: 49.220 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	44.0	35.3	52.9





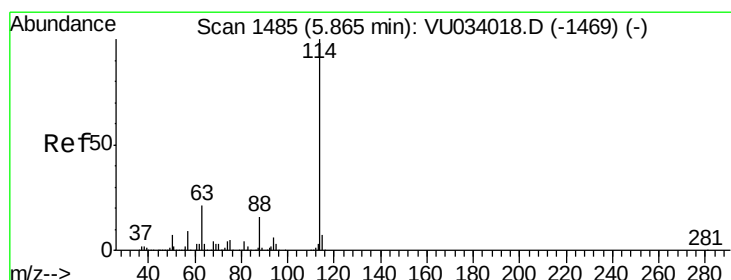
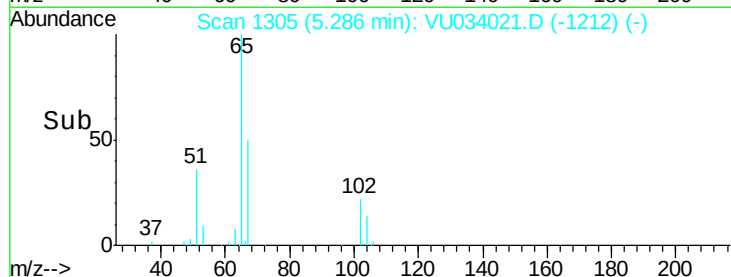
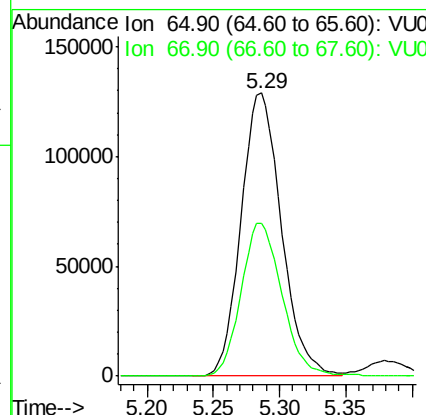
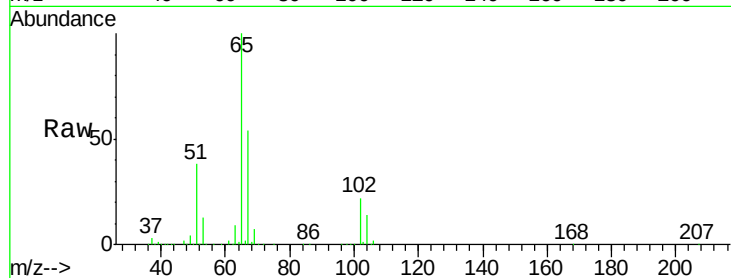
#33
 1,2-Dichloroethane-d4
 Concen: 47.463 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Tot Ion	Ratio	Resp	Lower	Upper
65	100	273167		
67	55.1	0.0	110.6	

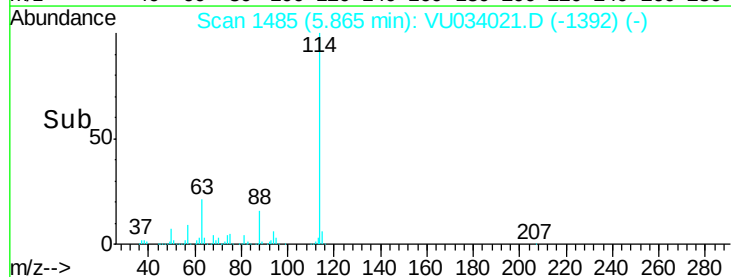
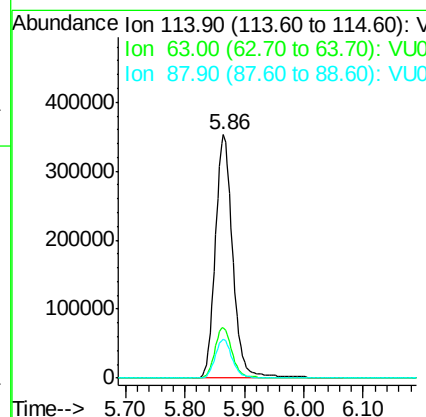
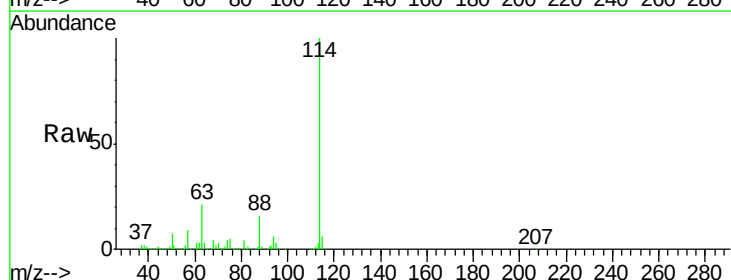
Manual Integrations
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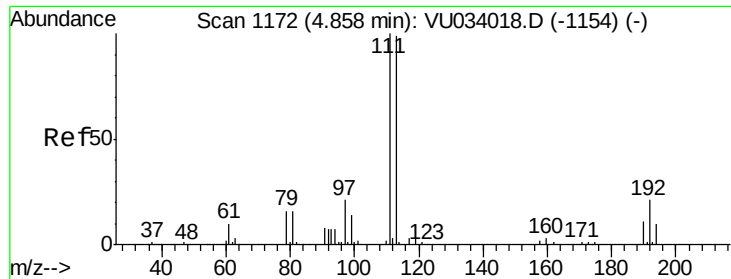
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 8/29/2019 8:47:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	715791		
63	20.8	0.0	42.0	
88	16.0	0.0	32.0	





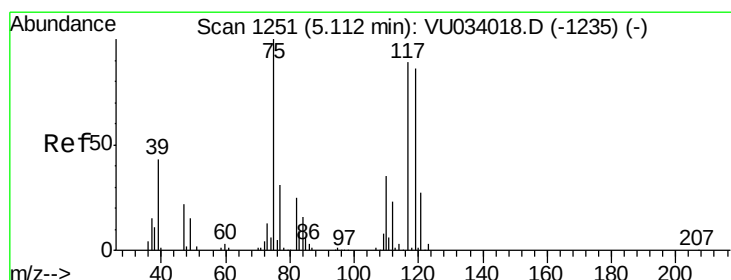
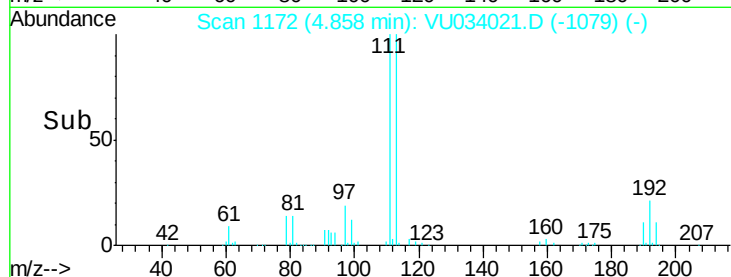
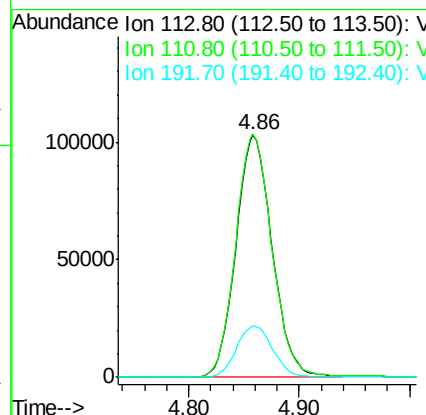
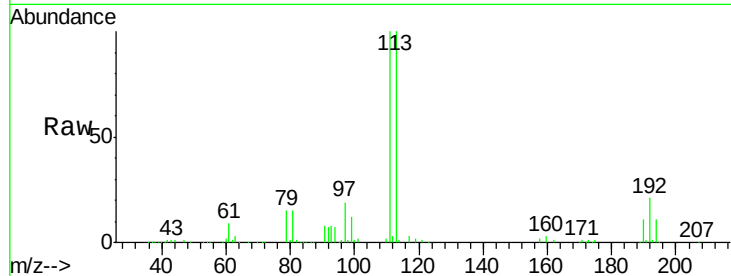
#35
Dibromofluoromethane
Concen: 47.246 ug/l
RT: 4.86 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Resp	Lower	Upper
113	100	234562		
111	100.5	81.7	122.5	
192	21.3	17.1	25.7	

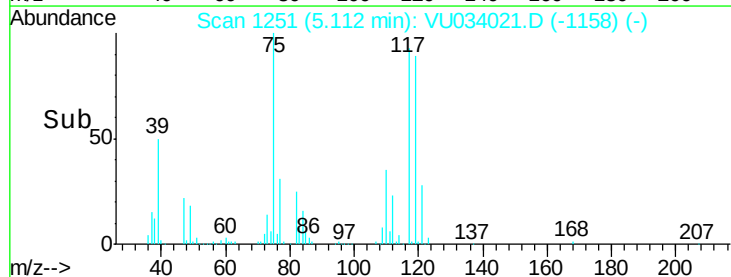
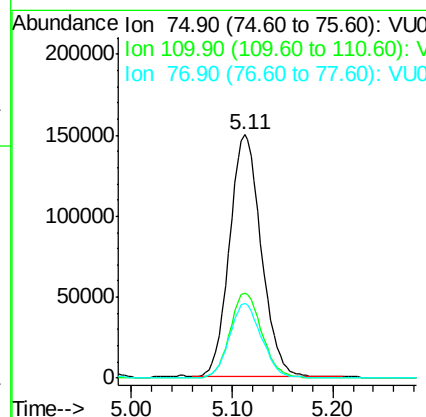
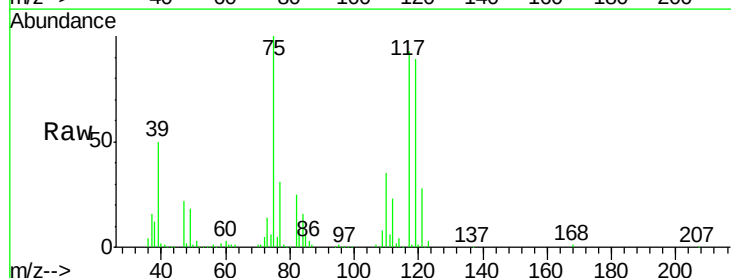
Manual Integrations
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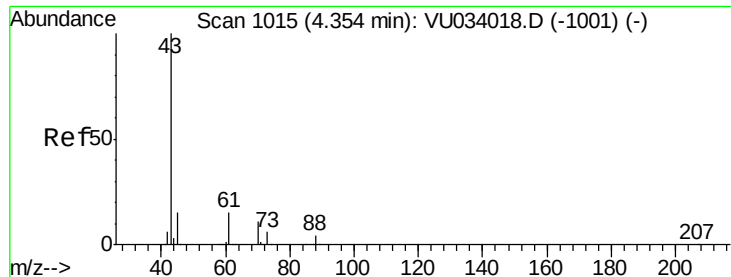
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8/29/2019 8:47:57 AM



#36
1,1-Dichloropropene
Concen: 48.548 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	328691		
110	35.5	17.8	53.5	
77	30.8	25.0	37.4	





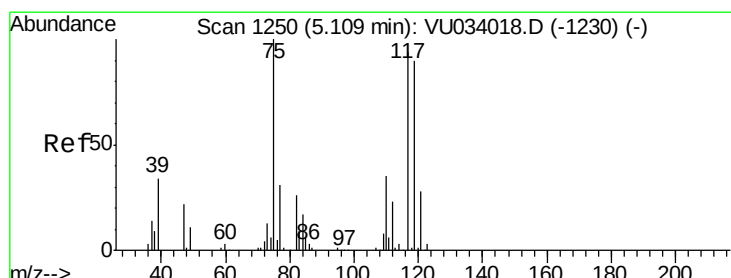
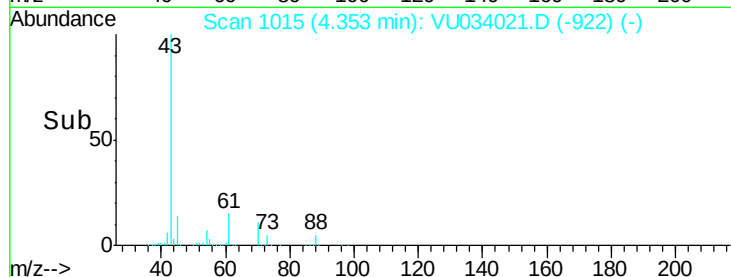
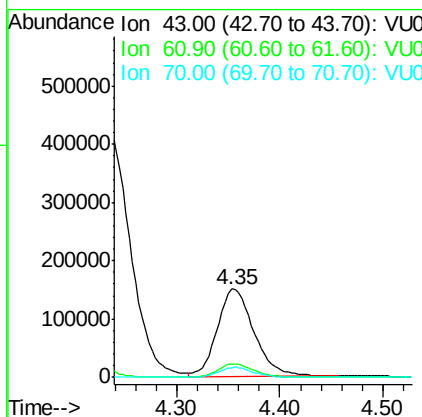
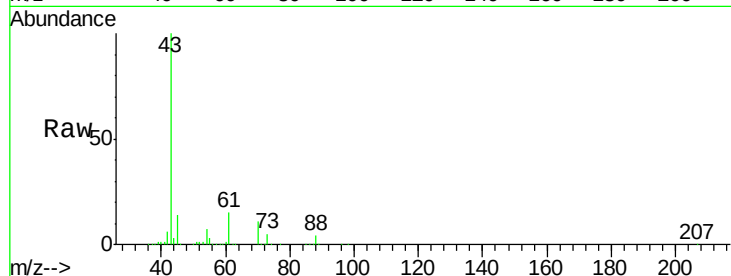
#37
Ethyl Acetate
Concen: 48.840 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.1	8.6	12.8

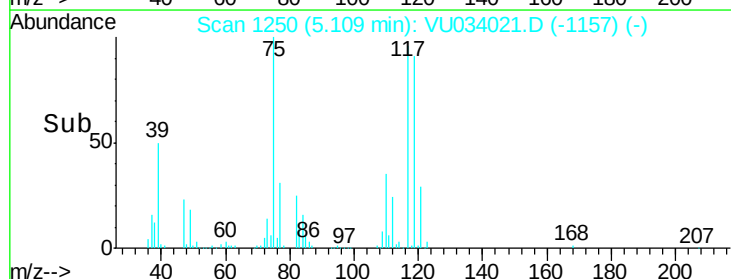
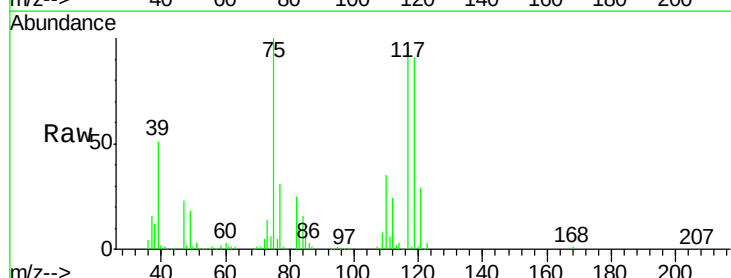
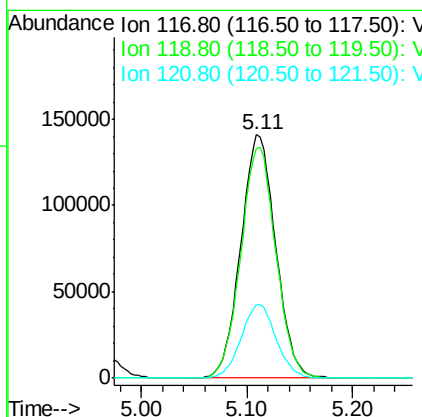
Manual Integrations
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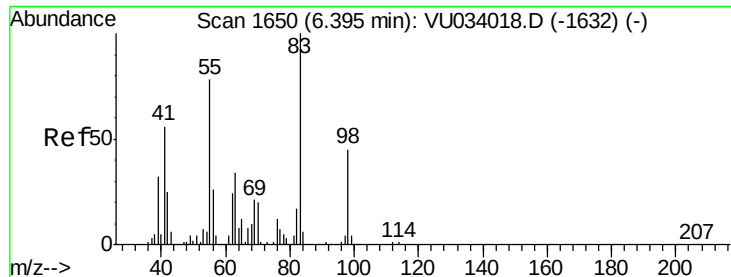
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#38
Carbon Tetrachloride
Concen: 49.498 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.0	115.4
121	30.1	23.9	35.9





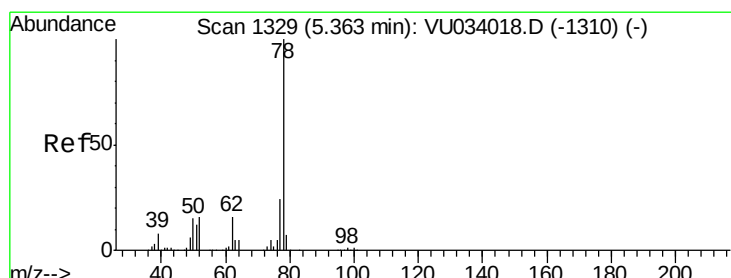
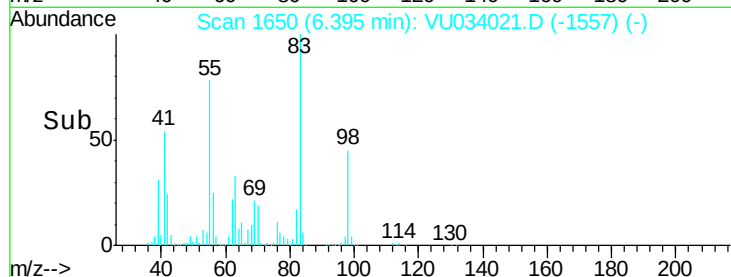
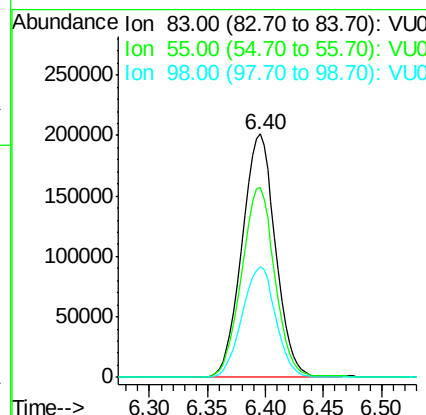
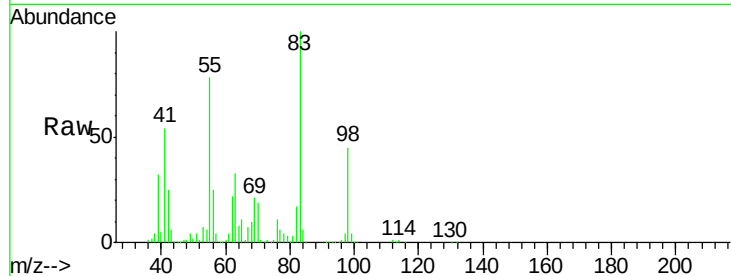
#39
Methylvlcyclohexane
Concen: 50.650 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.3	93.5
98	45.4	36.2	54.2

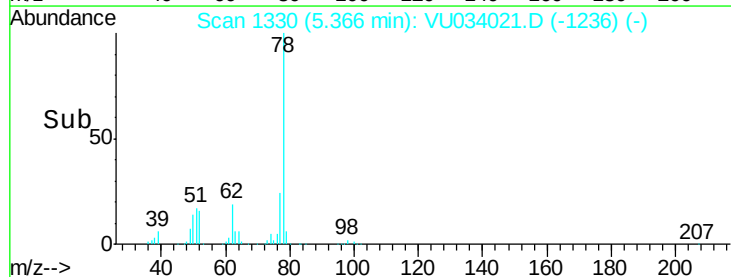
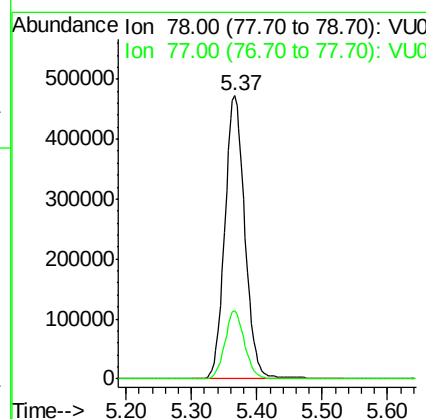
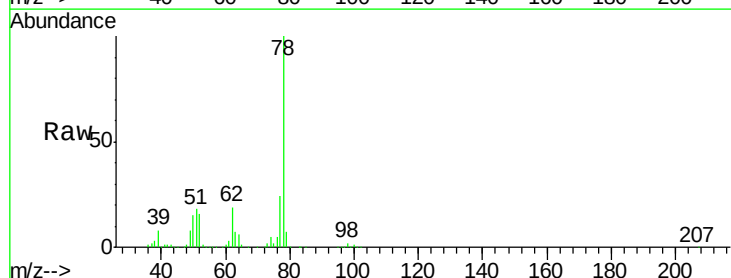
Manual Integrations
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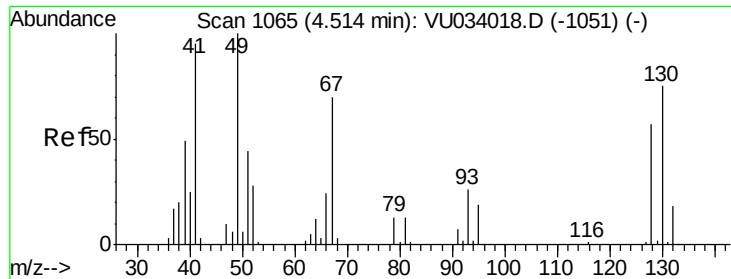
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#40
Benzene
Concen: 49.273 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





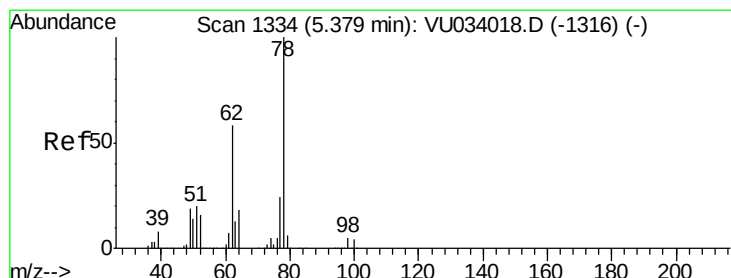
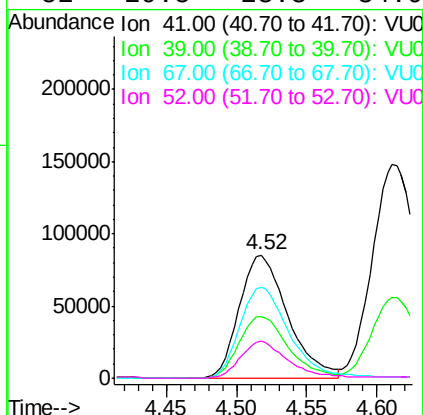
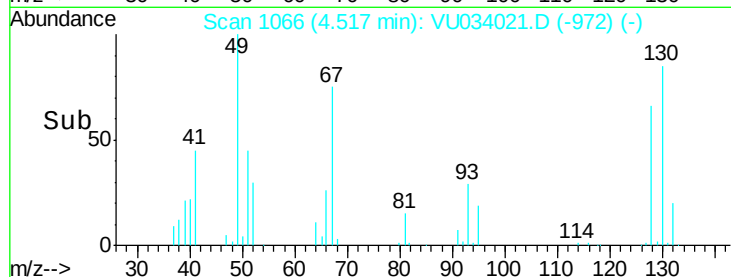
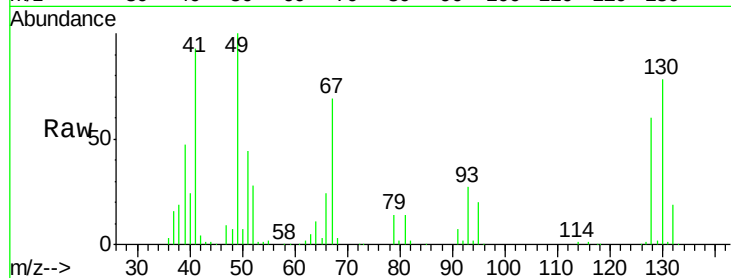
#41
Methacrylonitrile
Concen: 52.178 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.0	42.1	63.1	
67	76.9	61.0	91.4	
52	29.5	23.3	34.9	

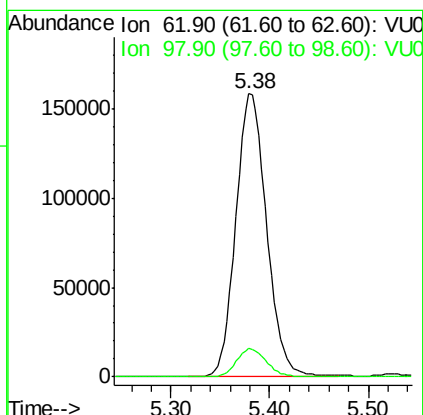
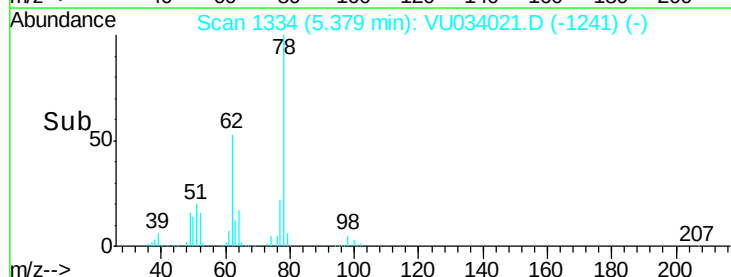
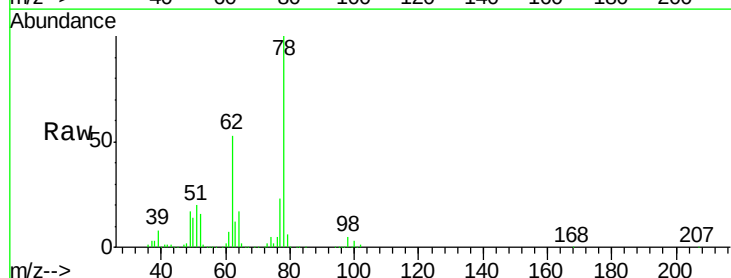
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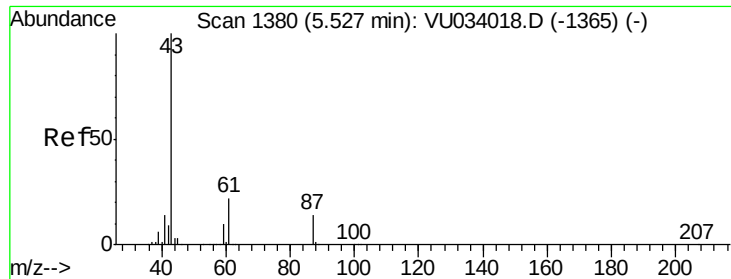
MMDadoda
8/29/2019 8:47:57 AM



#42
1,2-Dichloroethane
Concen: 48.347 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

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





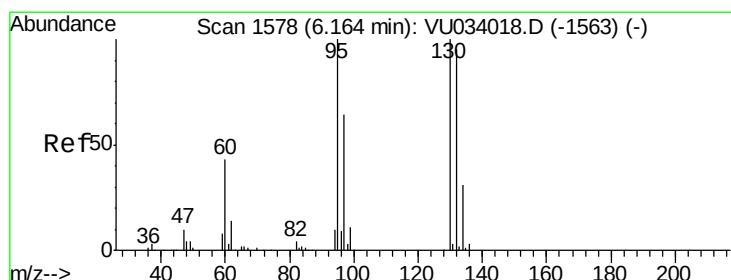
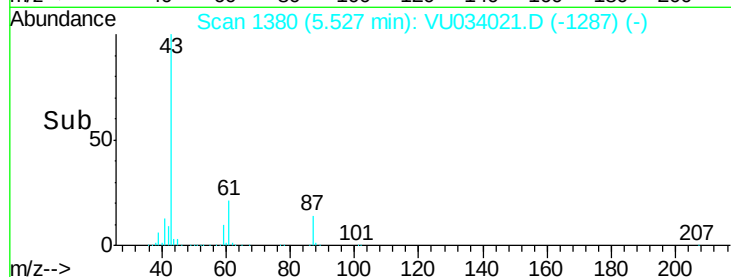
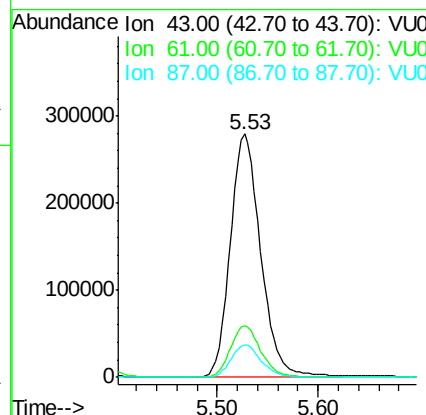
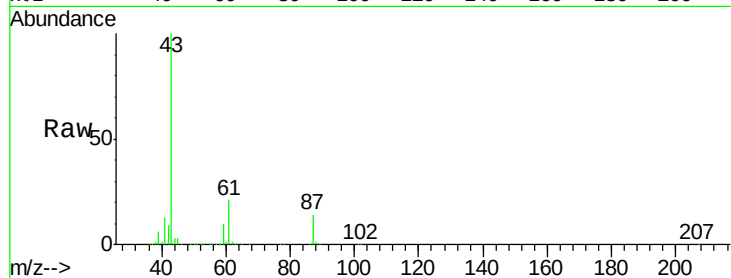
#43
Isopropyl Acetate
Concen: 50.608 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.2	25.8
87	13.4	10.8	16.2

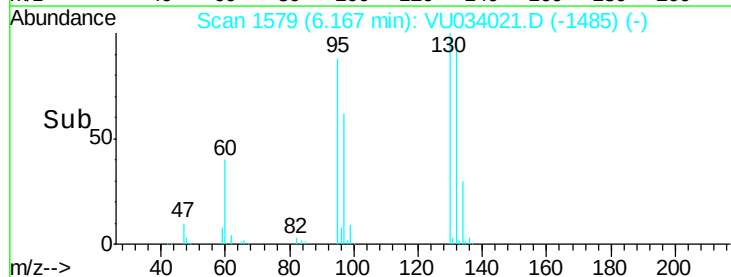
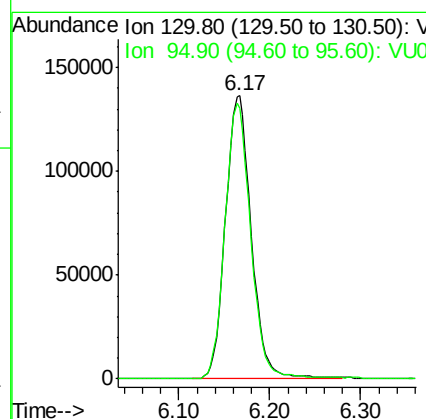
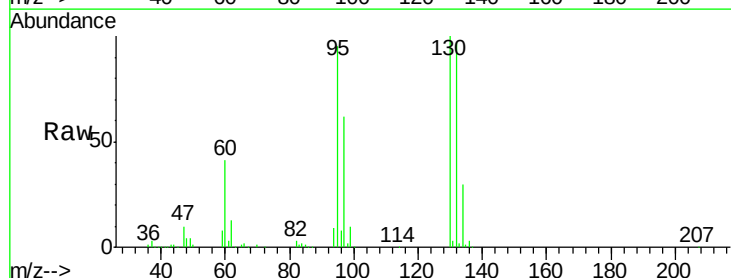
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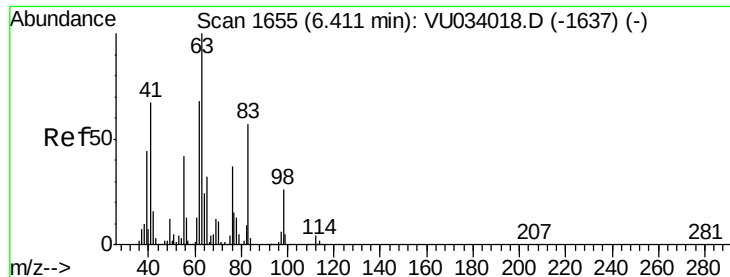
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#44
Trichloroethene
Concen: 50.145 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	199.6





#45

1,2-Dichloropropane

Concen: 49.636 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion: 63 Resp: 279887

Ion Ratio Lower Upper

63 100

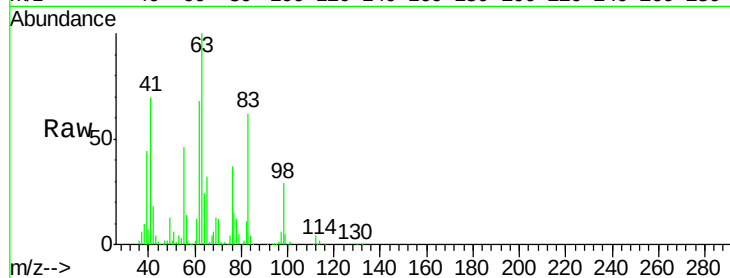
65 31.8 25.4 38.2

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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

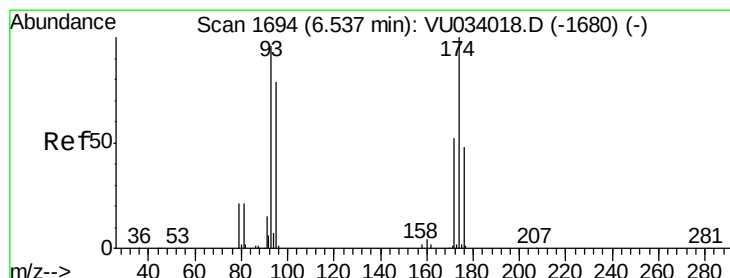
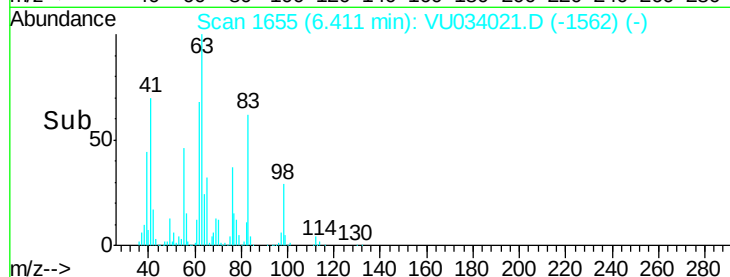
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.274 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

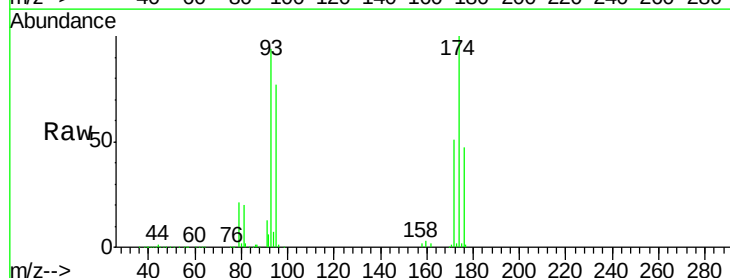
Tgt Ion: 93 Resp: 179007

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 106.8 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

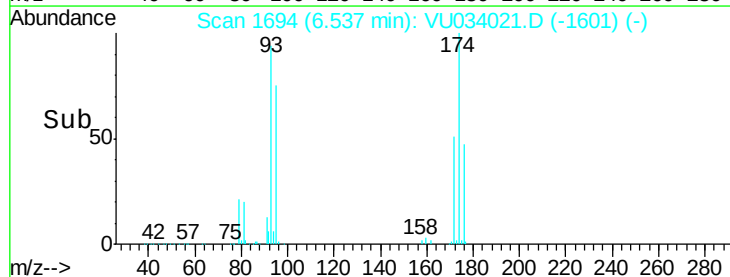
6.54

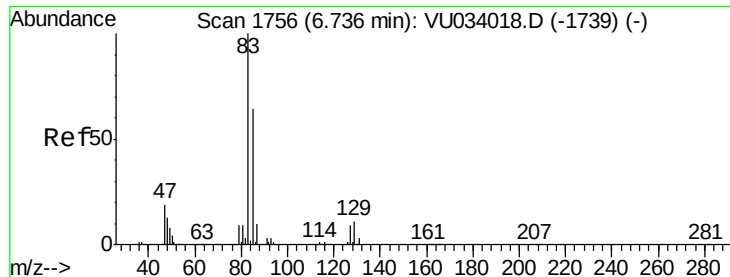
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.741 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

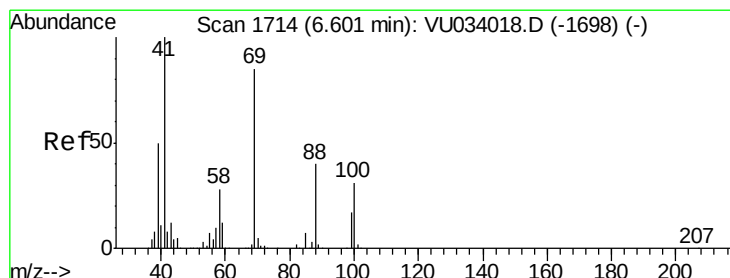
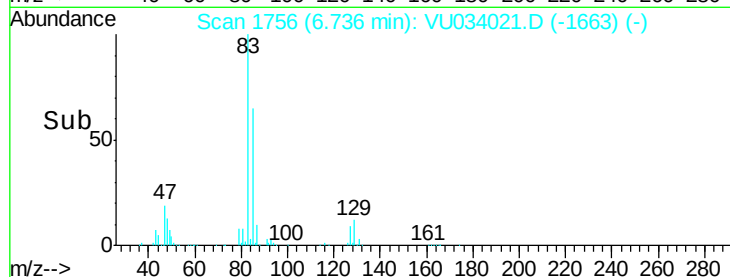
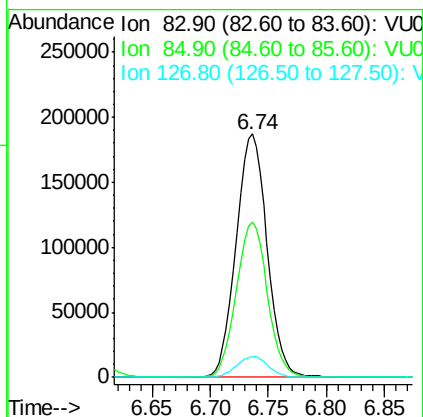
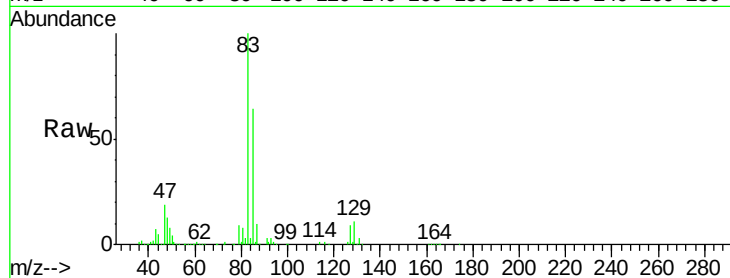
ClientSampleId :

ICVVU082919

Tot Ion:	83	Resp:	346437
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.2	76.8
127	8.6	7.0	10.6

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#48

Methyl methacrylate

Concen: 51.926 ug/l

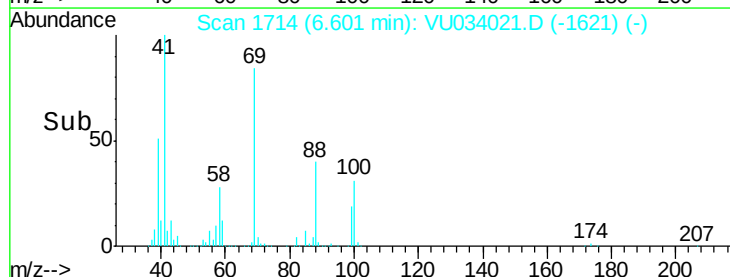
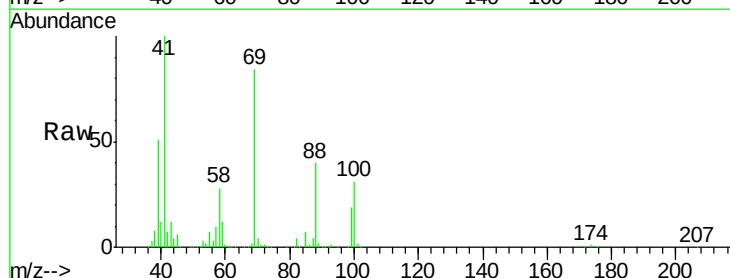
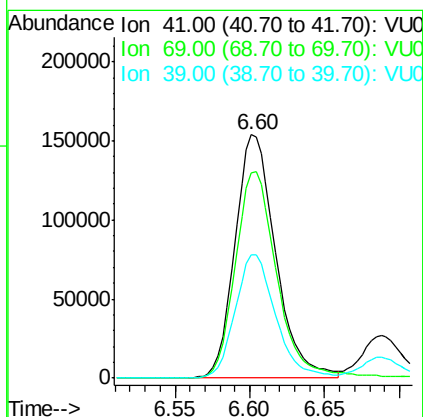
RT: 6.60 min Scan# 1714

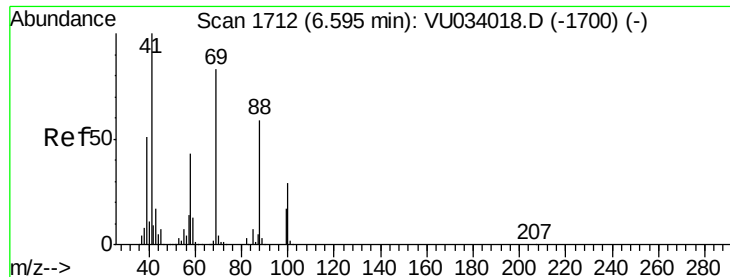
Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion:	41	Resp:	289019
Ion	Ratio	Lower	Upper
41	100		
69	87.9	69.5	104.3
39	50.3	40.3	60.5





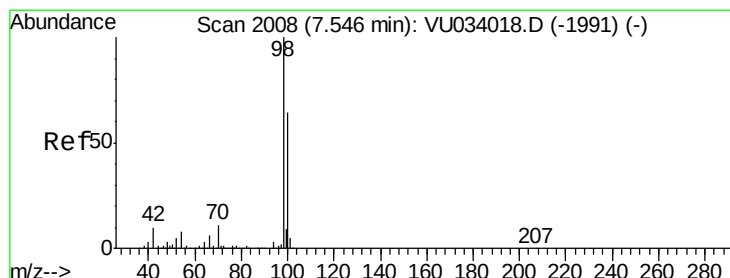
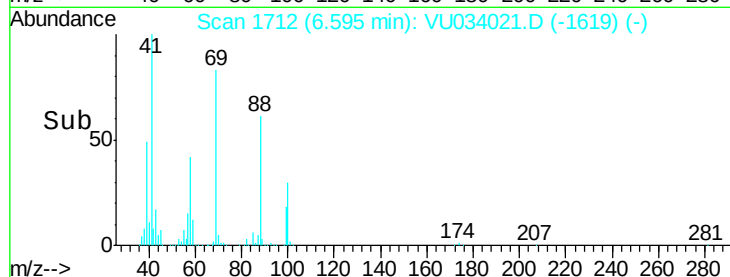
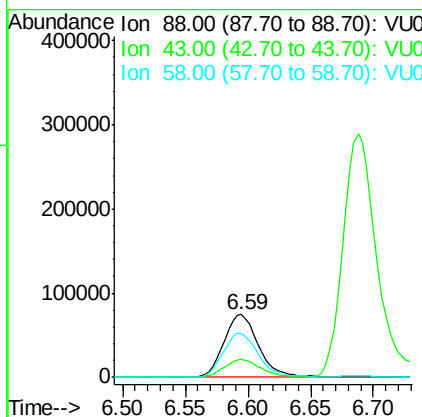
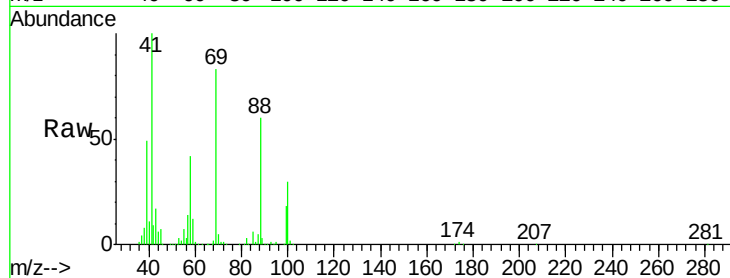
#49
1,4-Dioxane
Concen: 1014.051 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	29.5	24.8	37.2	
58	73.2	59.3	88.9	

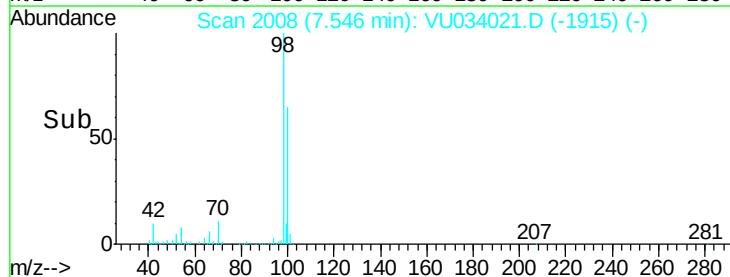
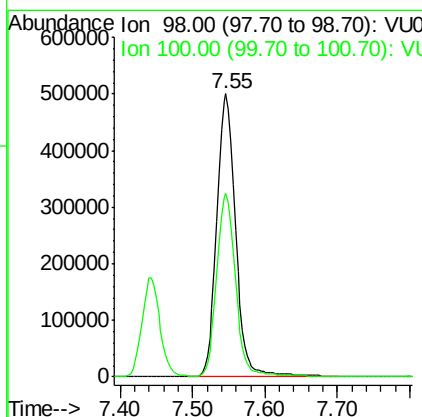
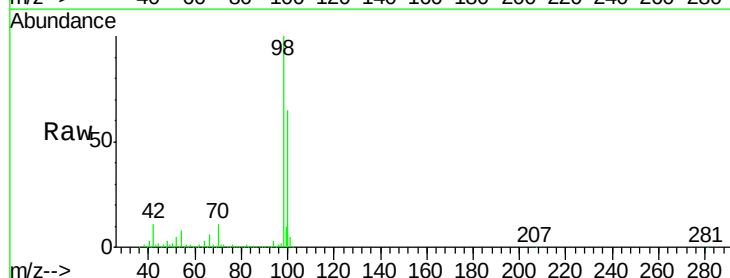
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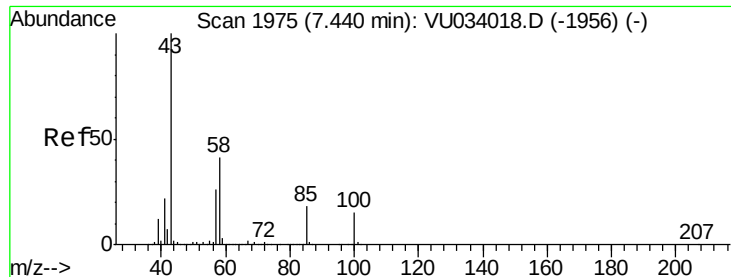
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#50
Toluene-d8
Concen: 48.967 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.1	50.3	75.5	





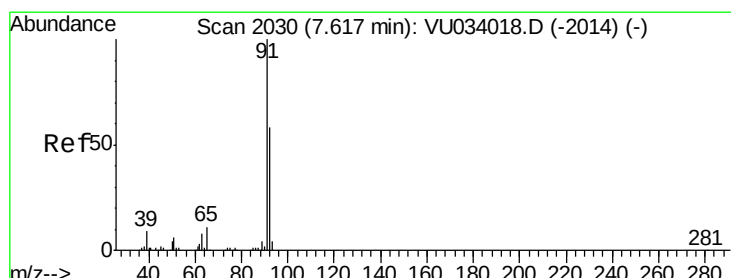
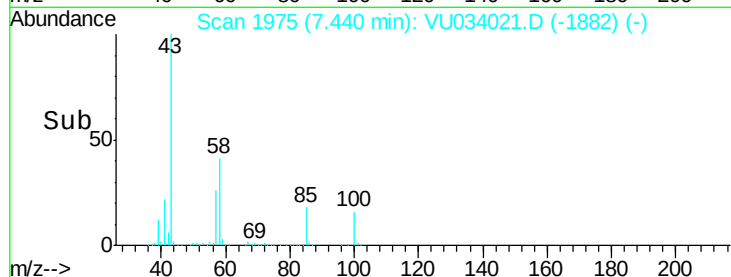
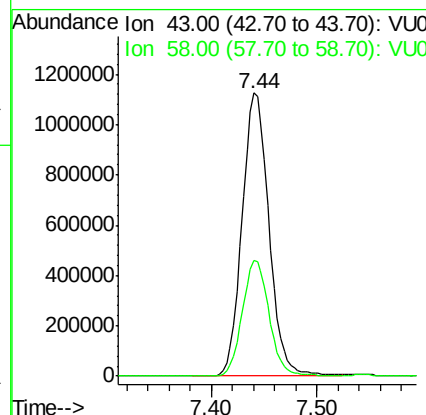
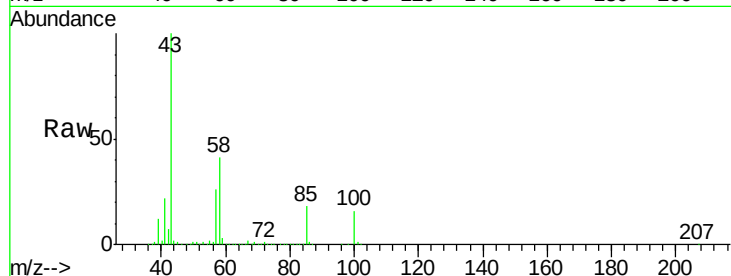
#51
4-Methyl-2-Pentanone
Concen: 249.859 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion: 43 Resp: 1990319
Ion Ratio Lower Upper
43 100
58 40.9 32.2 48.4

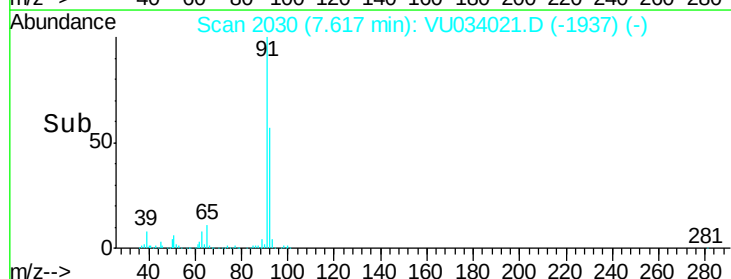
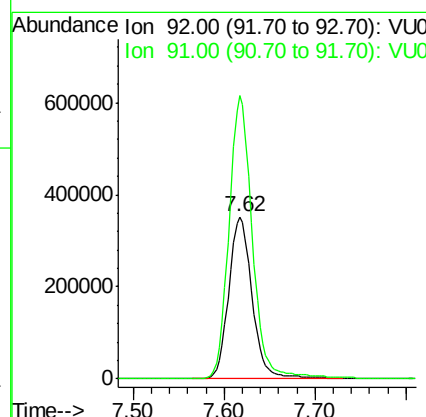
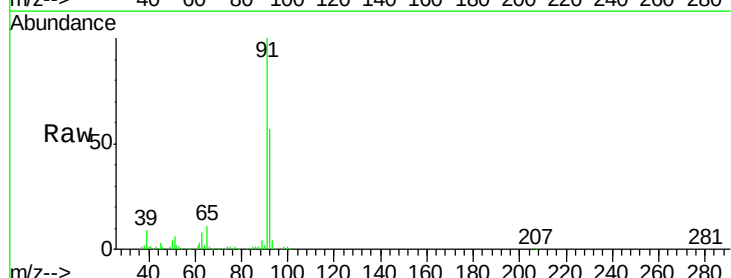
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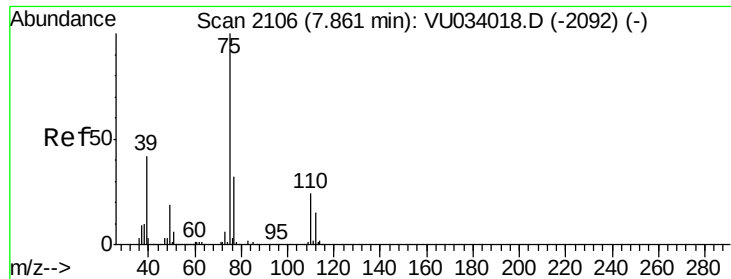
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#52
Toluene
Concen: 50.096 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 92 Resp: 632151
Ion Ratio Lower Upper
92 100
91 175.4 138.3 207.5





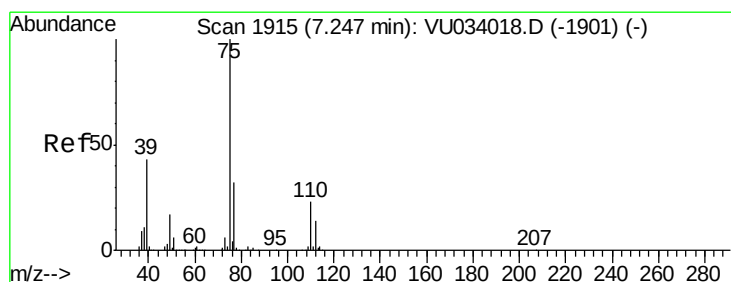
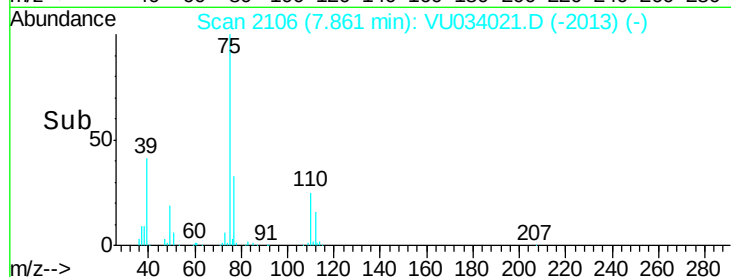
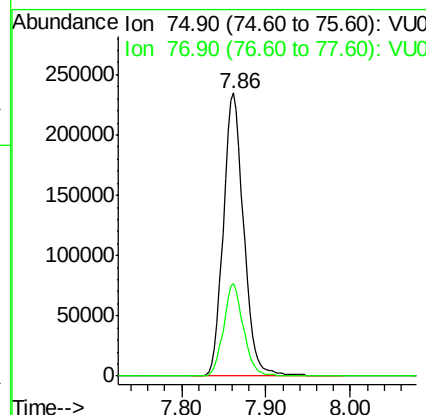
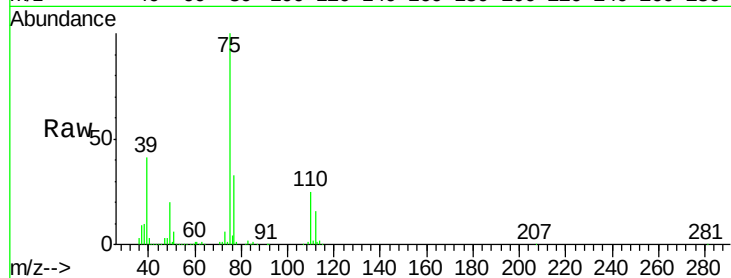
#53
t-1,3-Dichloropropene
Concen: 50.186 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0

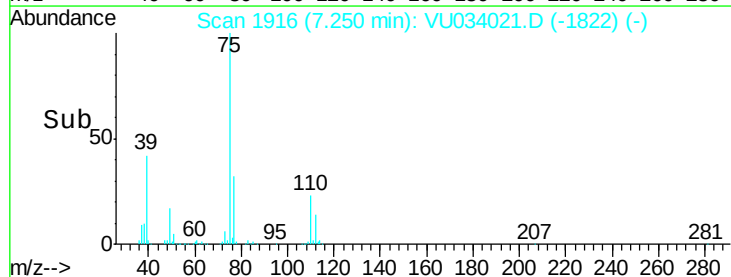
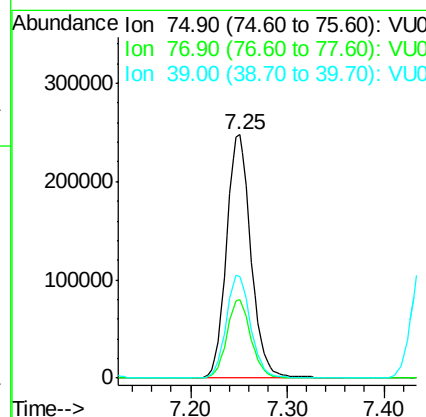
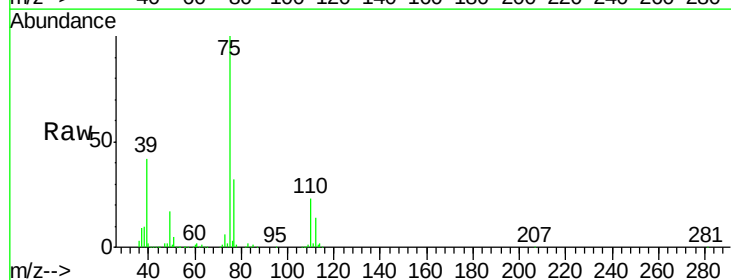
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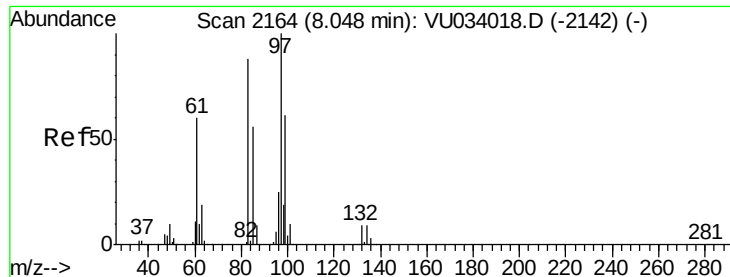
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#54
cis-1,3-Dichloropropene
Concen: 50.543 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.2	37.8
39	41.7	34.6	51.8





#55

1,1,2-Trichloroethane

Concen: 48.594 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

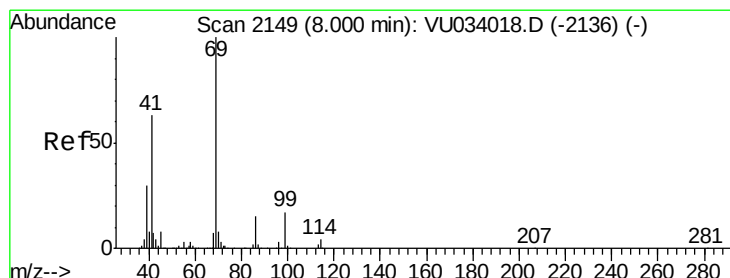
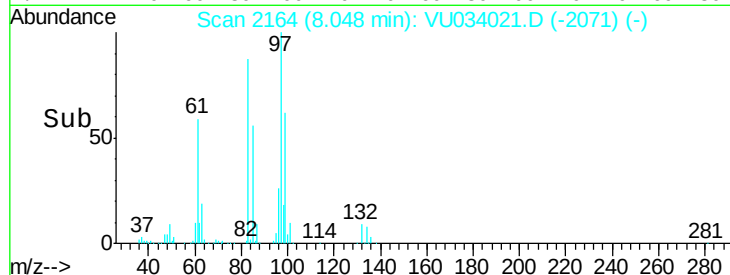
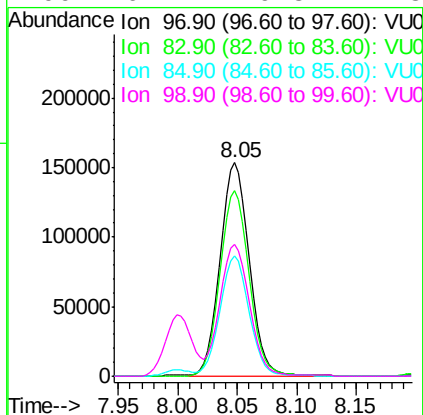
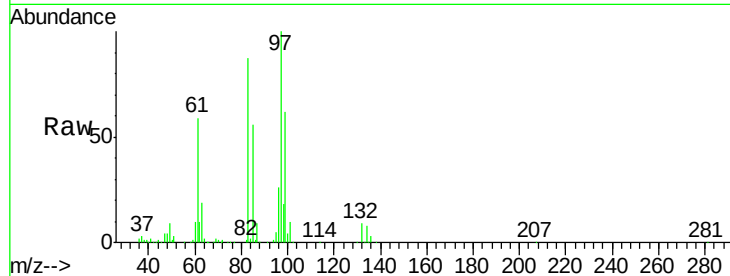
ClientSampleId :

ICVVU082919

Tot Ion:	97	Resp:	259374
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.1	105.1
85	56.3	45.0	67.4
99	61.4	49.8	74.8

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#56

Ethyl methacrylate

Concen: 47.151 ug/l

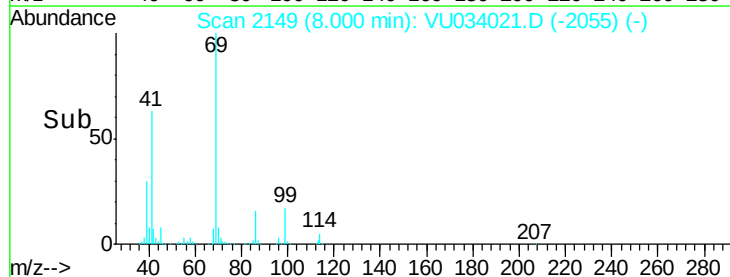
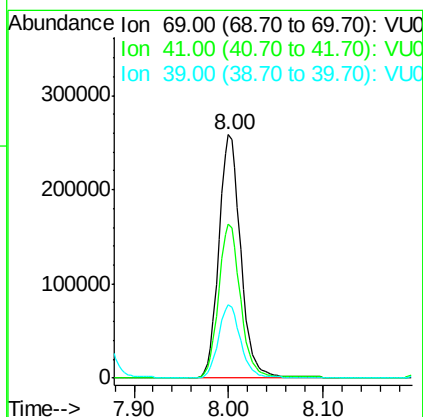
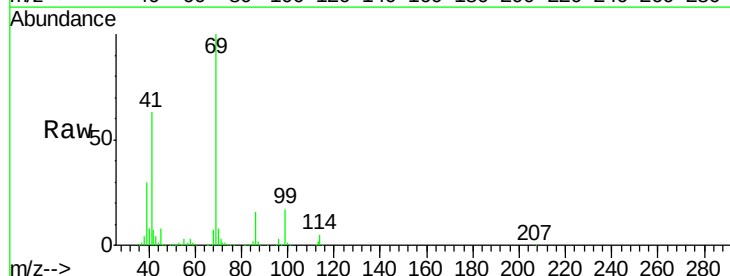
RT: 8.00 min Scan# 2149

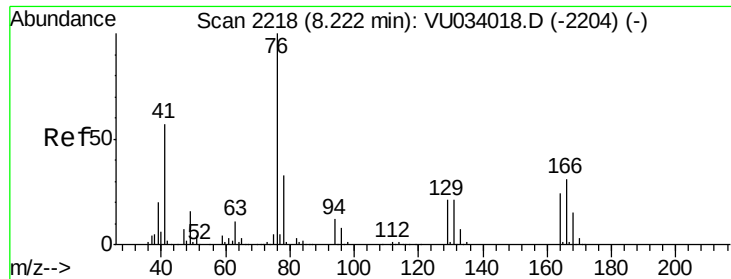
Delta R.T. 0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion:	69	Resp:	416962
Ion	Ratio	Lower	Upper
69	100		
41	62.9	50.7	76.1
39	29.9	24.2	36.2





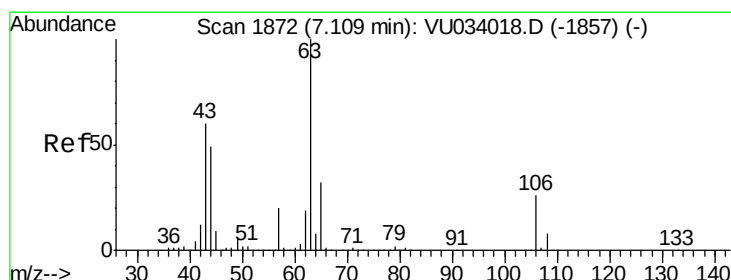
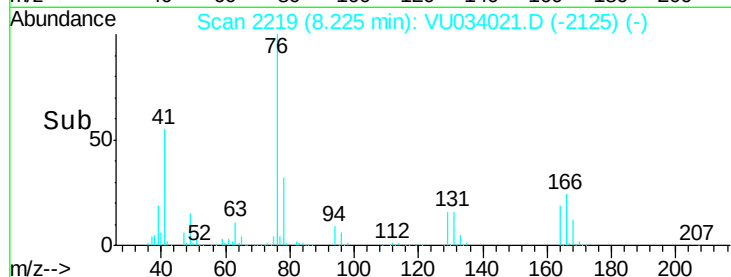
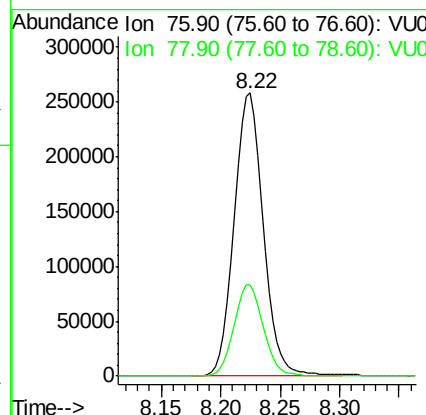
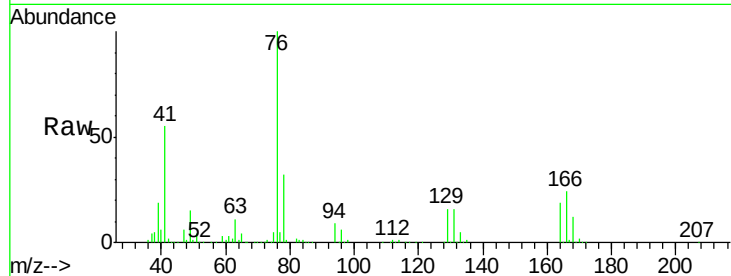
#57
 1,3-Dichloropropane
 Concen: 48.587 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Tot Ion: 76 Resp: 440345
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4

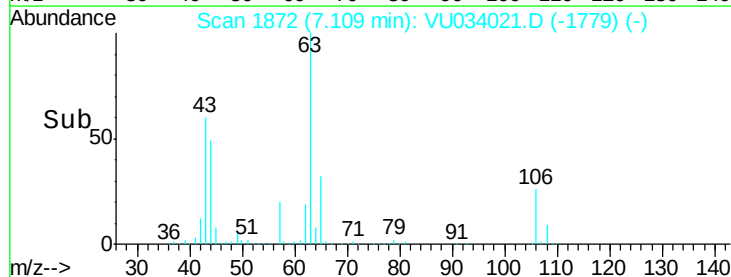
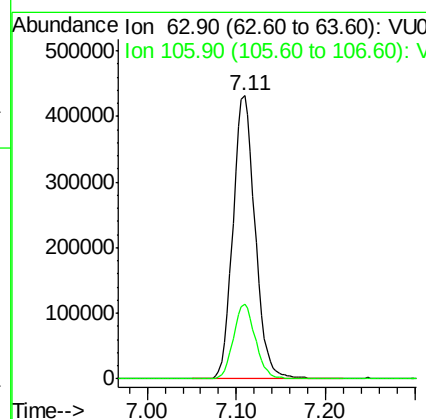
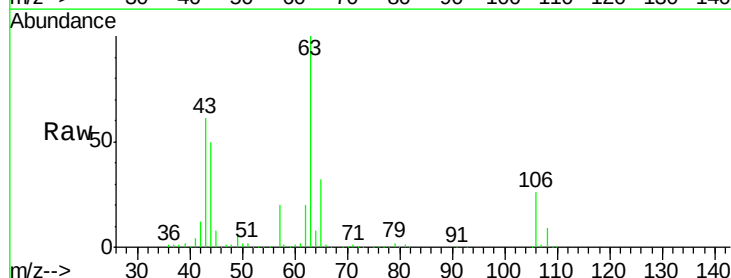
Manual Integrations
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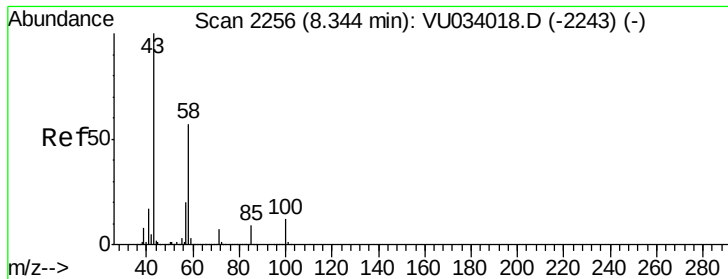
MMDadoda
 8/29/2019 8:47:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.692 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion: 63 Resp: 743229
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.7 31.1





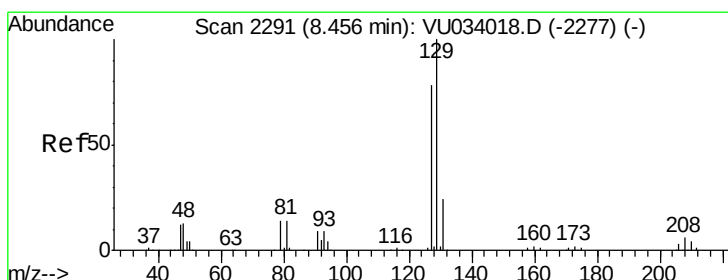
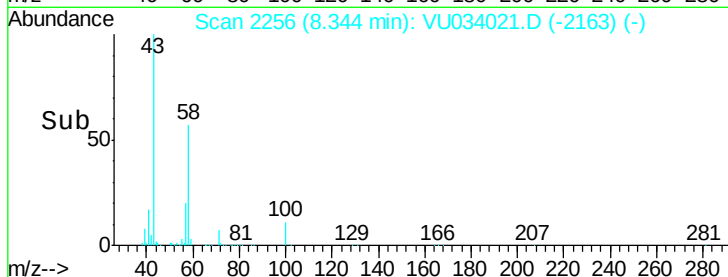
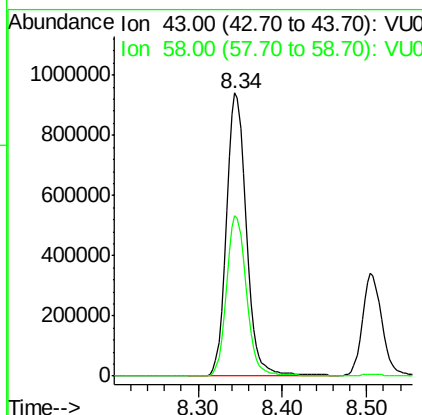
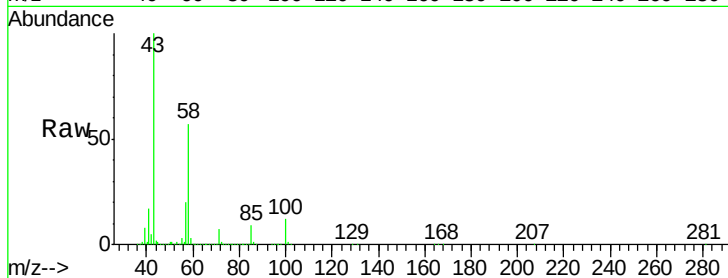
#59
2-Hexanone
Concen: 257.297 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion: 43 Resp: 1547239
Ion Ratio Lower Upper
43 100
58 56.9 28.4 85.3

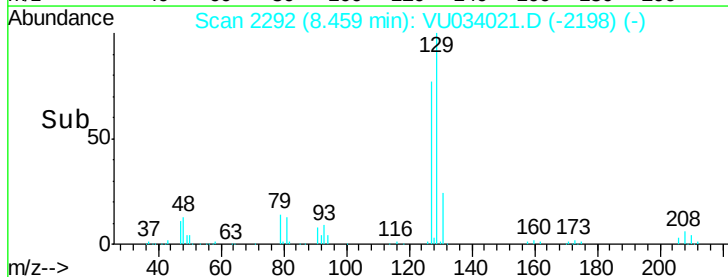
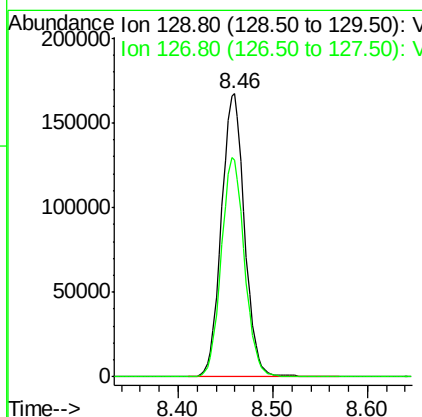
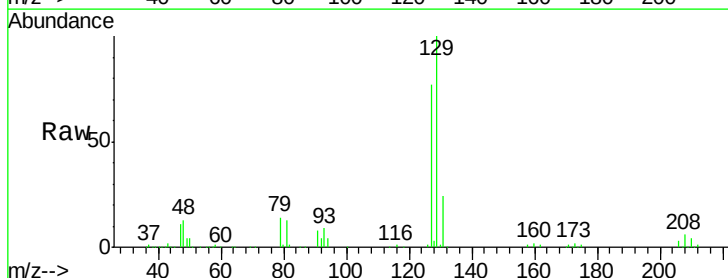
Manual Integrations
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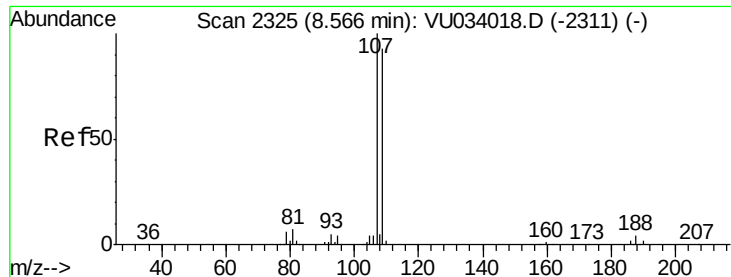
MMDadoda
8/29/2019 8:47:57 AM



#60
Dibromochloromethane
Concen: 49.594 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 129 Resp: 284152
Ion Ratio Lower Upper
129 100
127 77.6 39.0 116.9





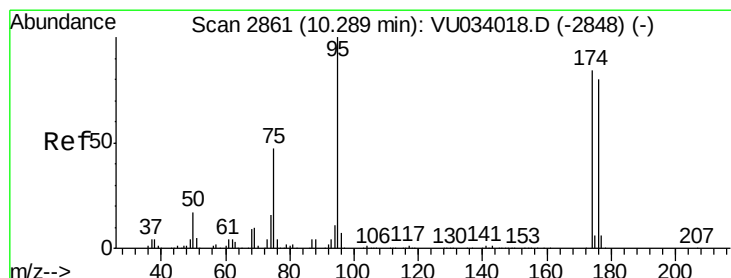
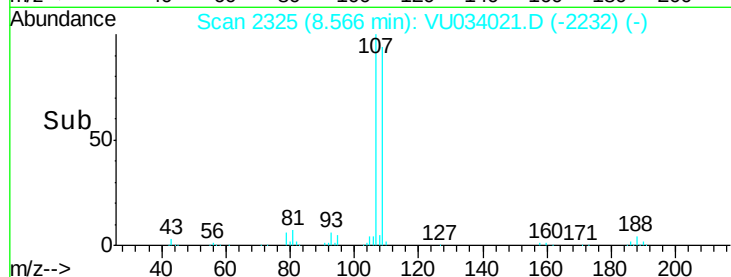
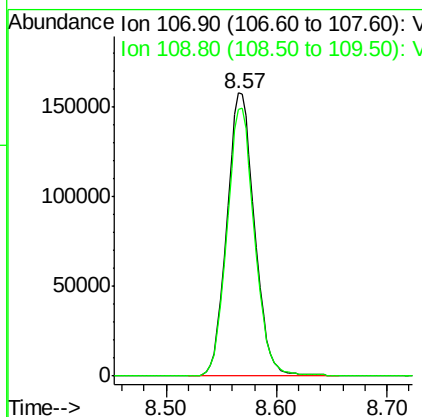
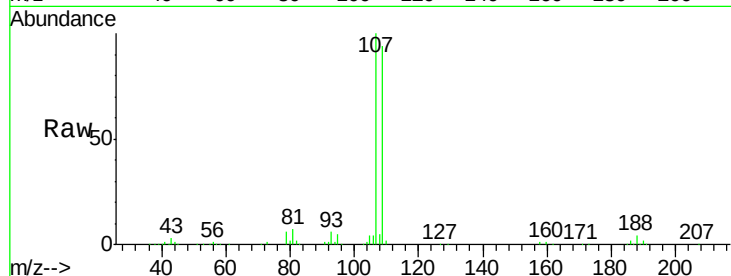
#61
 1,2-Dibromoethane
 Concen: 48.675 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Tot Ion	Ratio	Resp	Lower	Upper
107	100	273686		
109	94.6	75.2	112.8	

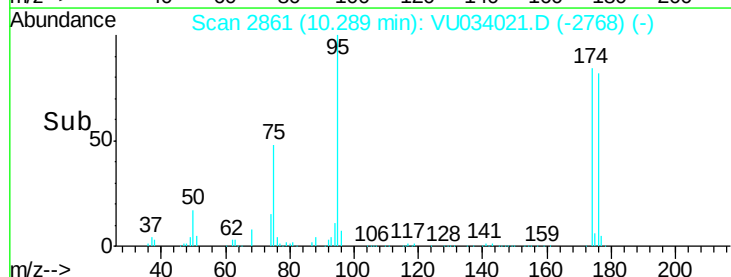
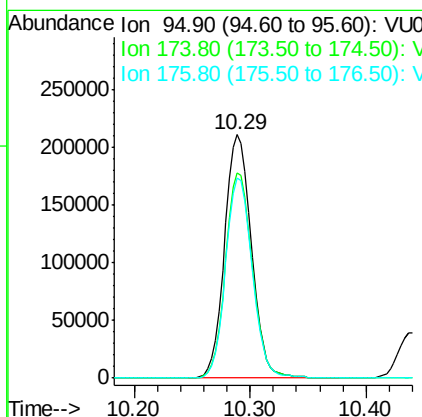
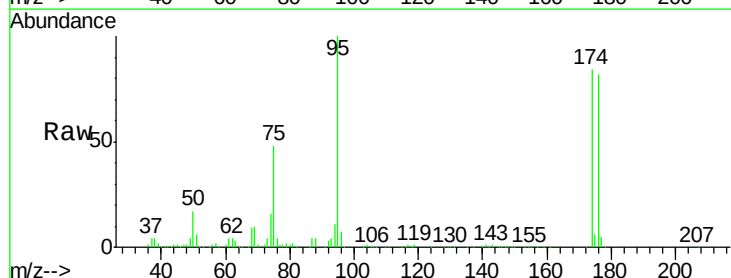
Manual Integrations
 APPROVED

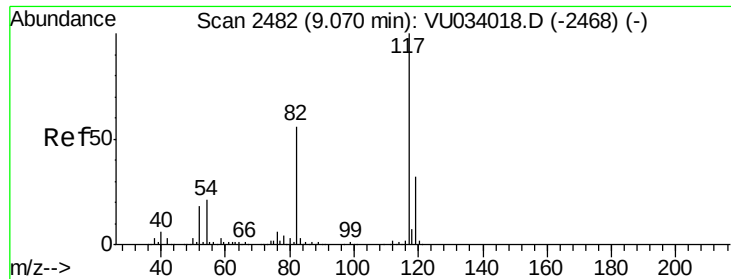
MMDadoda
 8/29/2019 8:47:57 AM



#62
 4-Bromofluorobenzene
 Concen: 47.002 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	339881		
174	84.5	0.0	168.8	
176	81.8	0.0	161.8	





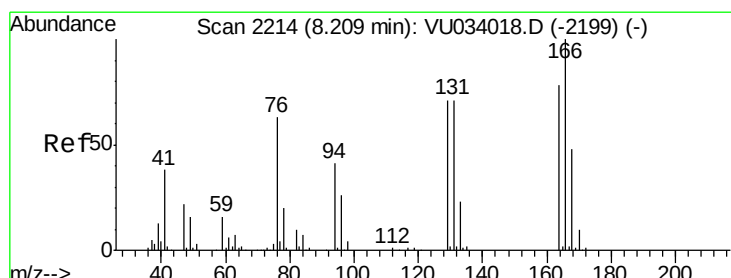
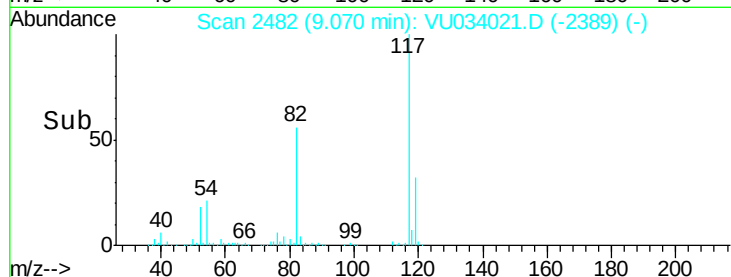
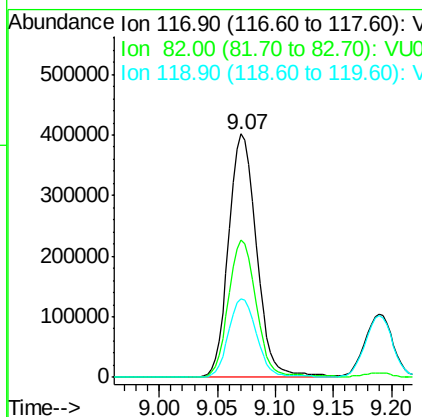
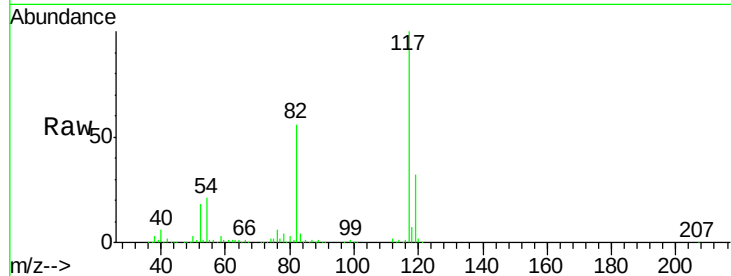
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.1	67.7
119	32.4	25.4	38.0

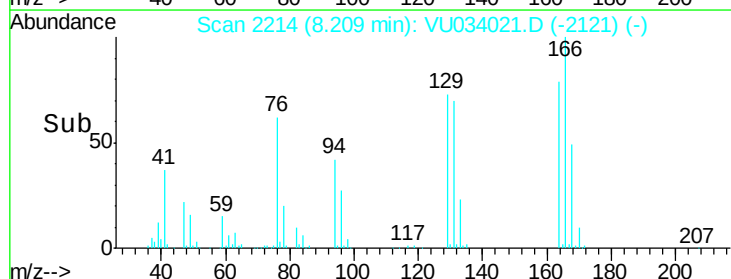
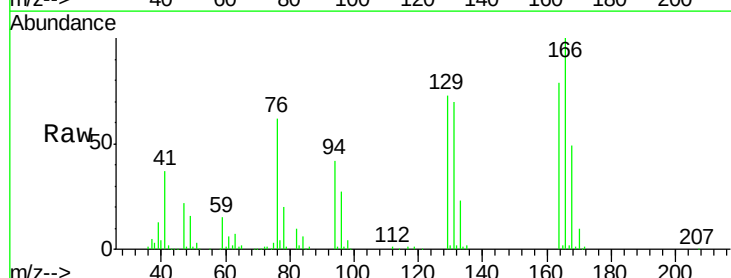
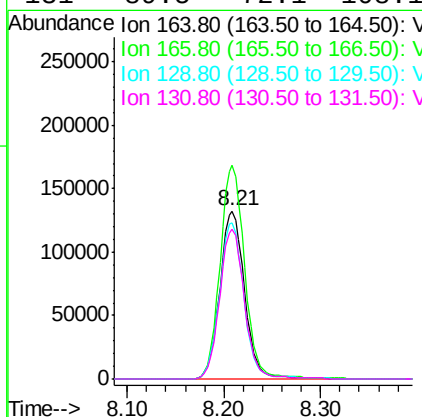
Manual Integrations
APPROVED

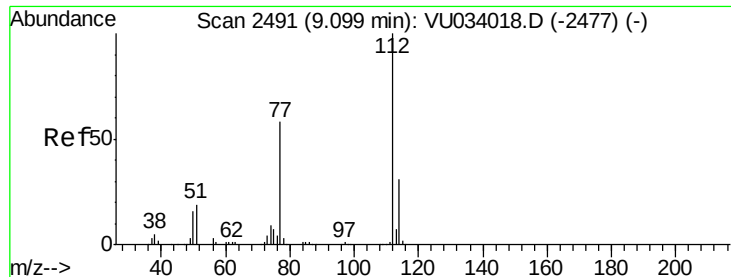
MMDadoda
8/29/2019 8:47:57 AM



#64
Tetrachloroethene
Concen: 51.976 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.2	153.2
129	93.2	72.4	108.6
131	89.5	72.1	108.1





#65

Chlorobenzene

Concen: 50.500 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion:112 Resp: 701449

Ion Ratio Lower Upper

112 100

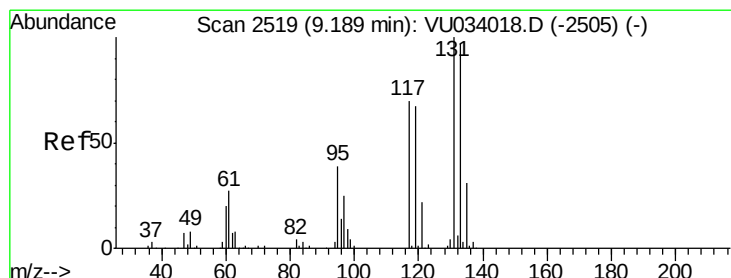
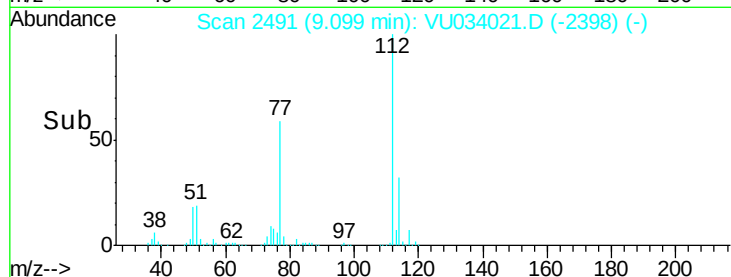
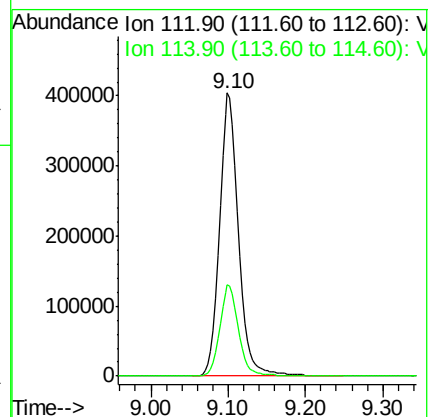
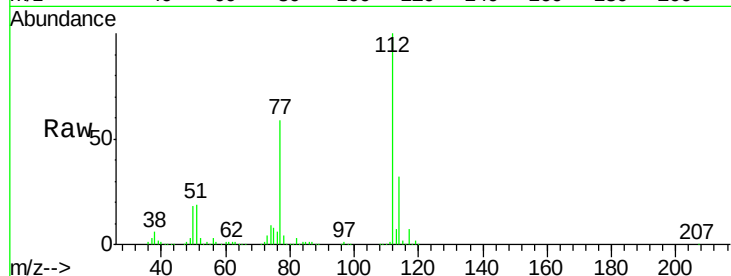
114 32.1 25.0 37.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.748 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

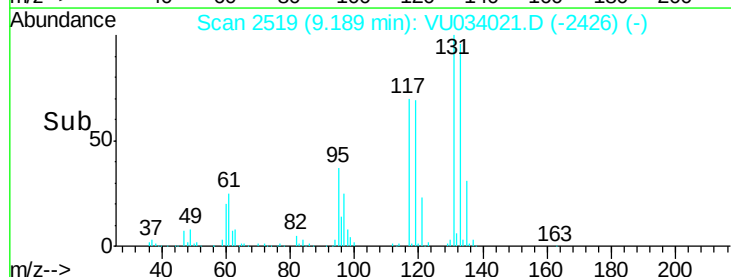
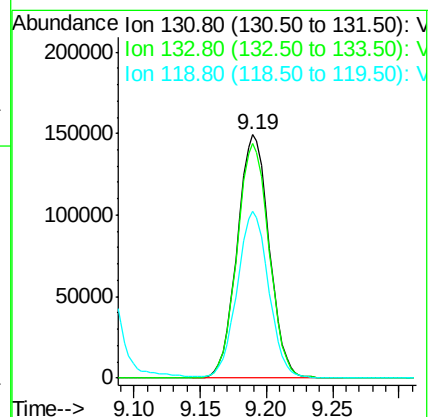
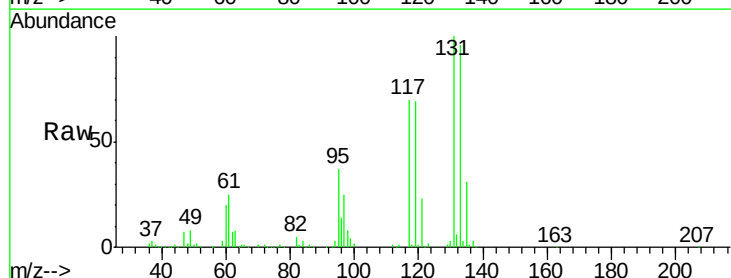
Tgt Ion:131 Resp: 250569

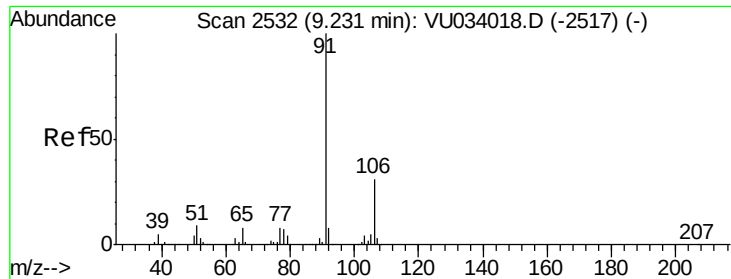
Ion Ratio Lower Upper

131 100

133 96.6 48.4 145.2

119 67.5 33.6 100.6





#67

Ethyl Benzene

Concen: 52.085 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tot Ion: 91 Resp: 1226391

Ion Ratio Lower Upper

91 100

106 31.2 24.9 37.3

Instrument :

MSVOA_U

ClientSampleId :

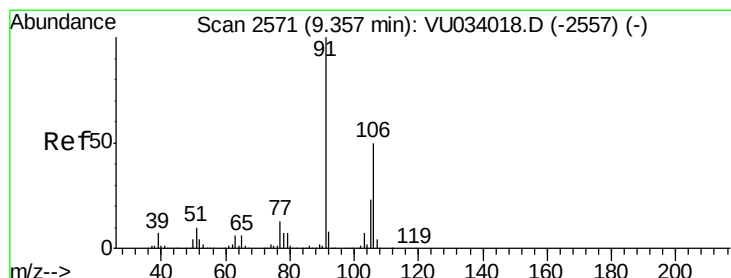
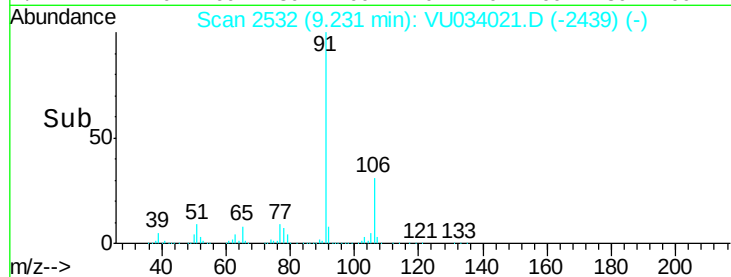
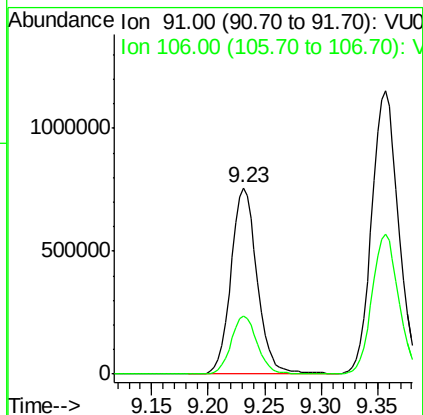
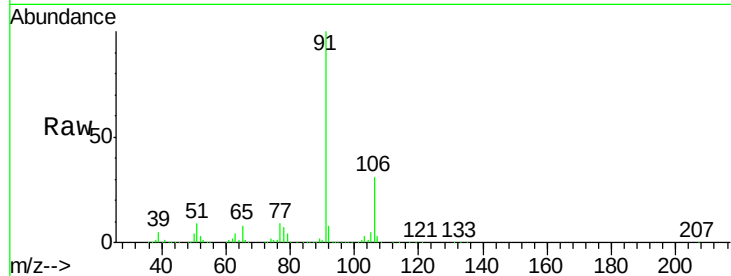
ICVVU082919

Manual Integrations

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#68

m/p-Xylenes

Concen: 105.547 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034021.D

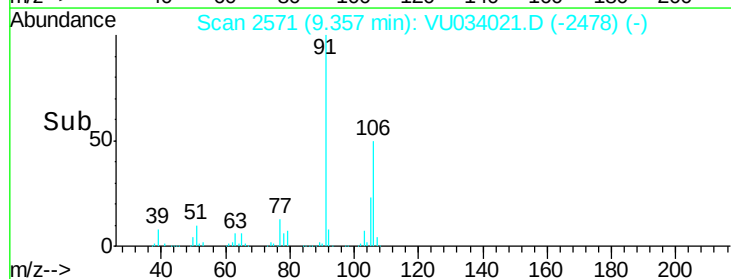
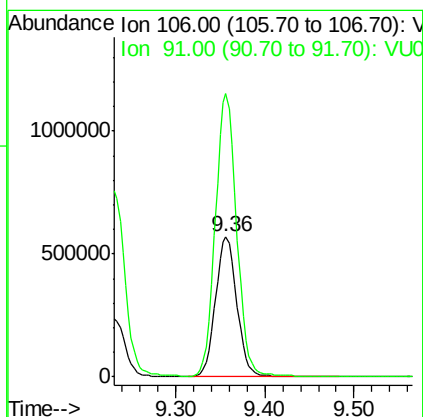
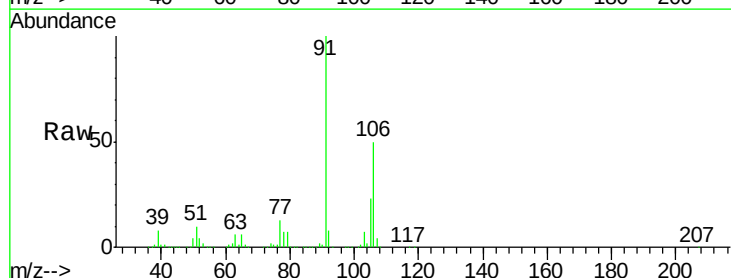
Acq: 28 Aug 2019 14:01

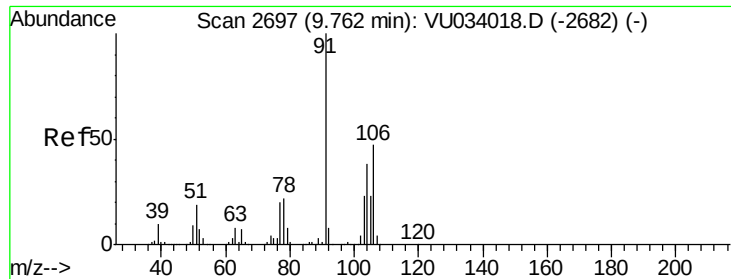
Tgt Ion: 106 Resp: 944968

Ion Ratio Lower Upper

106 100

91 201.9 161.6 242.4





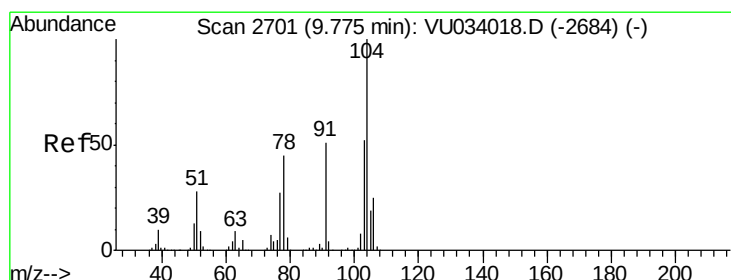
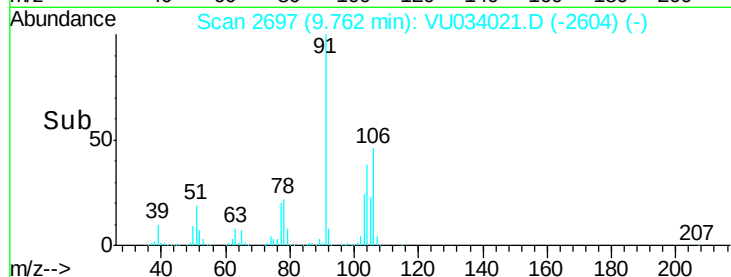
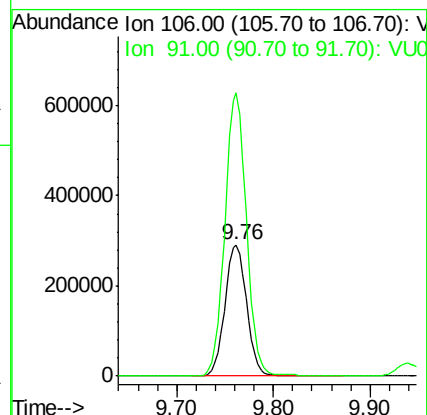
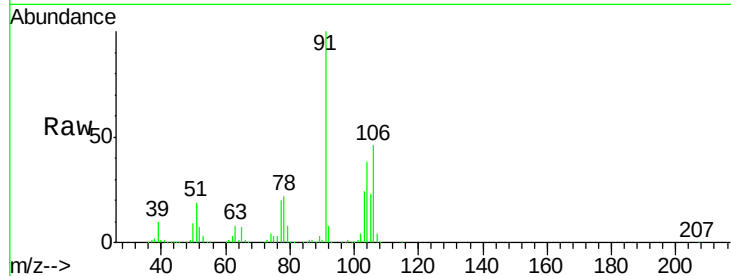
#69
o-Xylene
Concen: 52.924 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.4	106.0	318.0

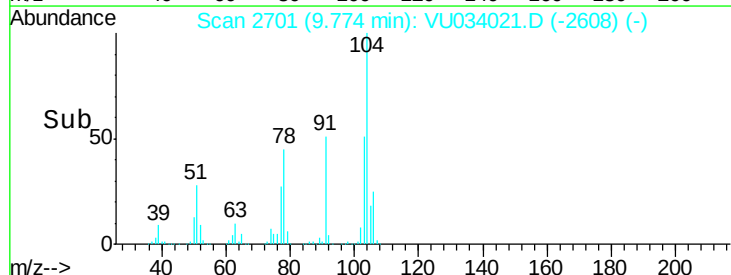
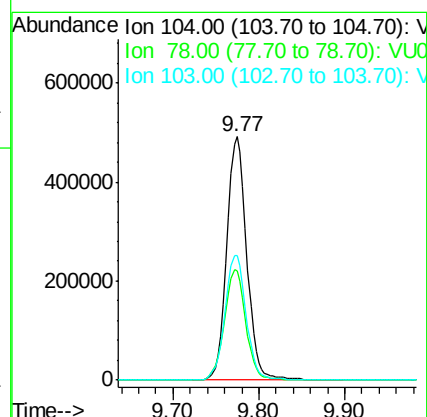
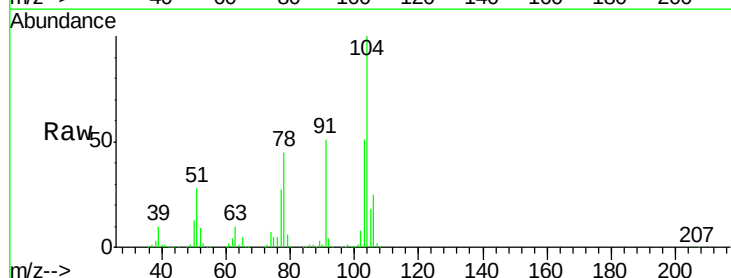
Manual Integrations
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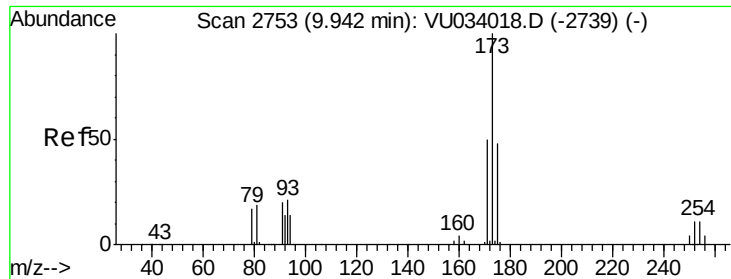
MMDadoda
8/29/2019 8:47:57 AM



#70
Styrene
Concen: 53.982 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.0	58.4
103	55.0	44.0	66.0





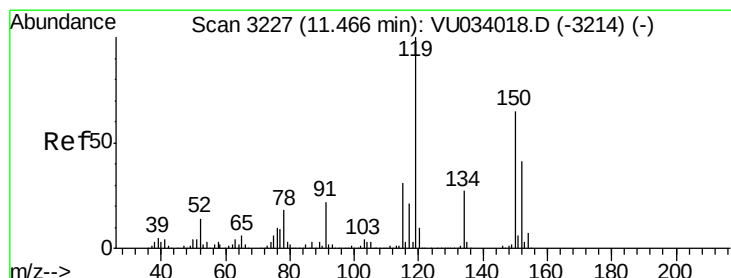
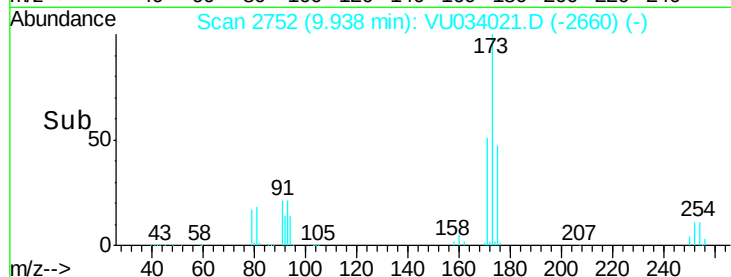
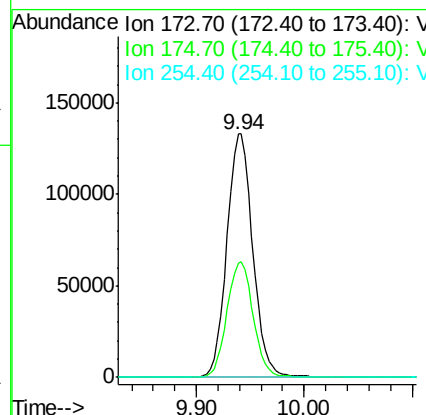
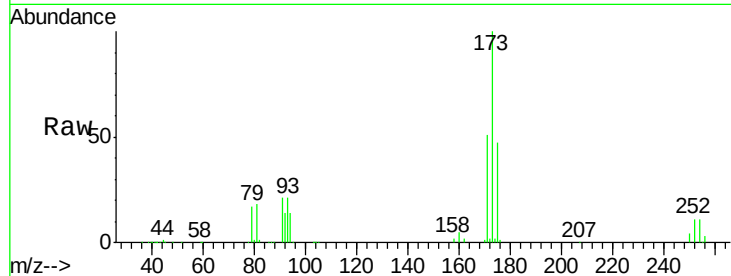
#71
Bromoform
Concen: 50.784 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.1	0.0	0.0#

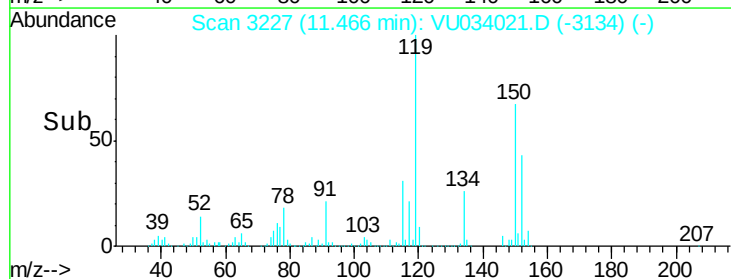
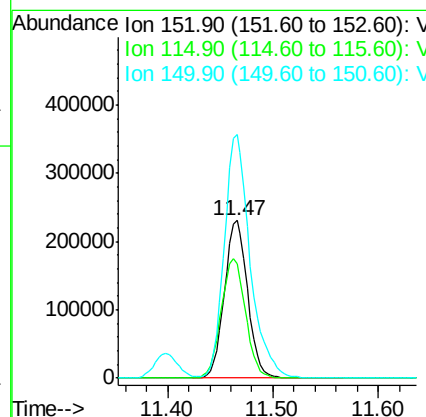
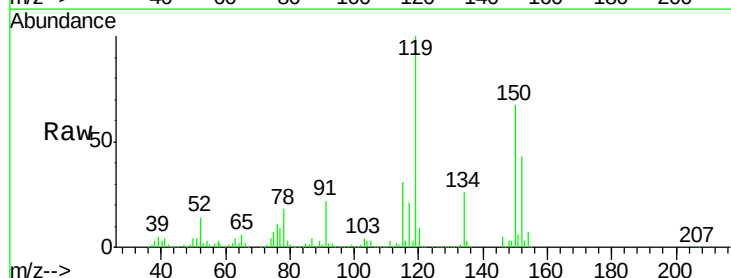
Manual Integrations
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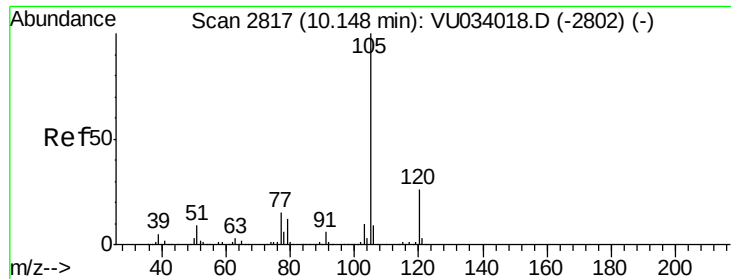
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.3	41.1	123.3
150	172.1	0.0	348.8





#73

Isopropylbenzene

Concen: 52.296 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion:105 Resp: 1231753

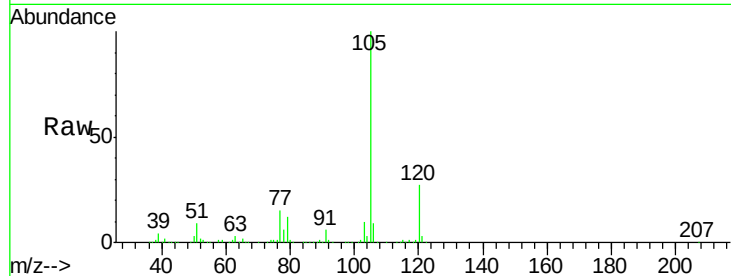
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

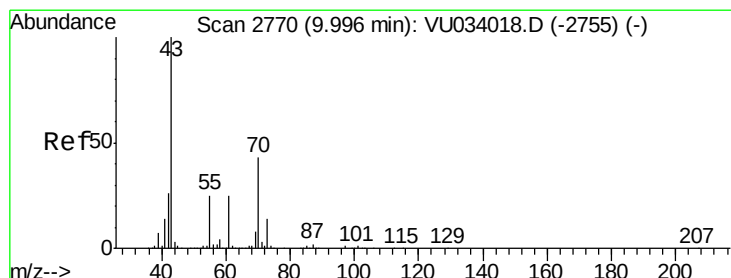
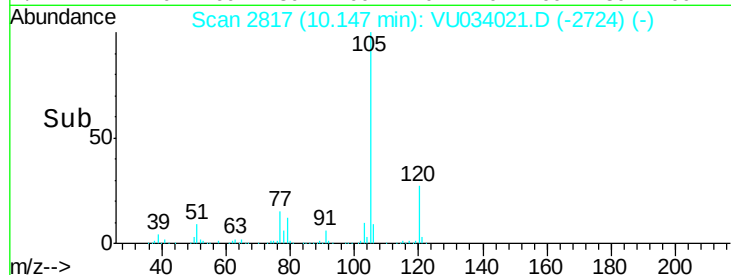
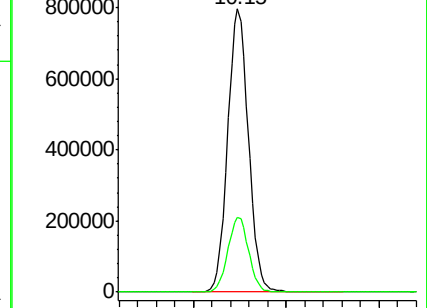
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.776 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion: 43 Resp: 542629

Ion Ratio Lower Upper

43 100

70 44.1 35.2 52.8

55 25.1 20.5 30.7

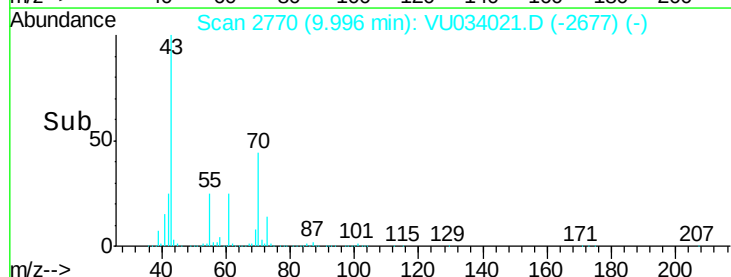
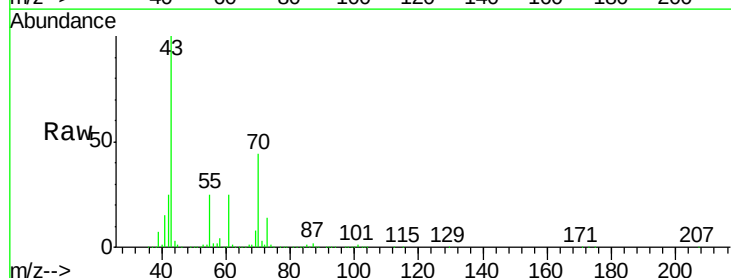
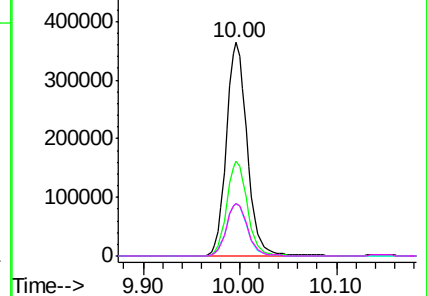
61 25.2 20.0 30.0

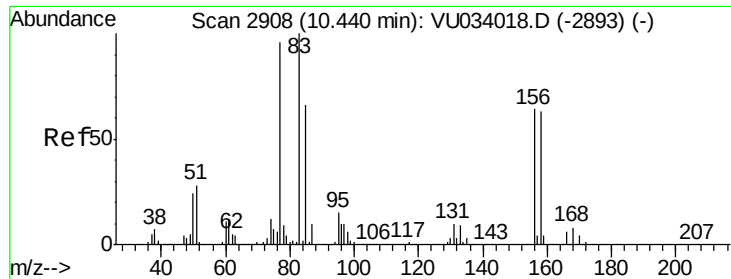
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 47.975 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

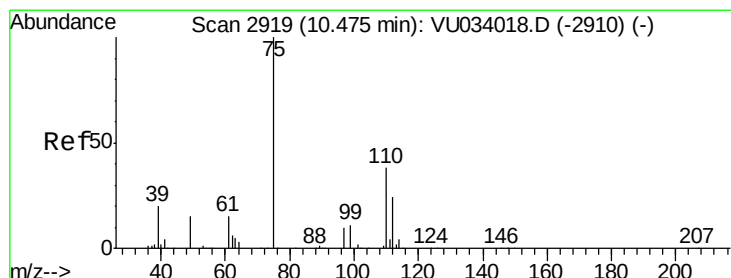
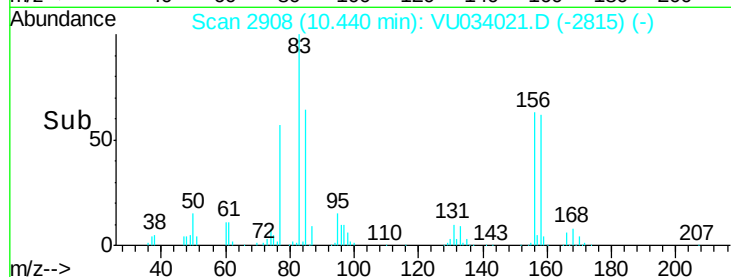
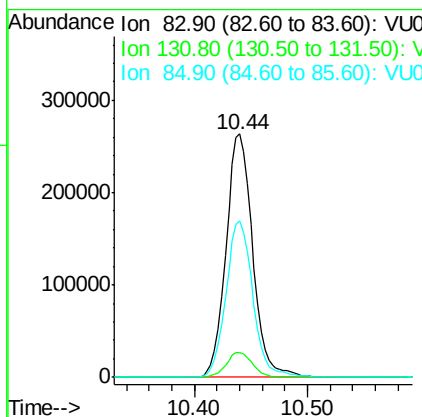
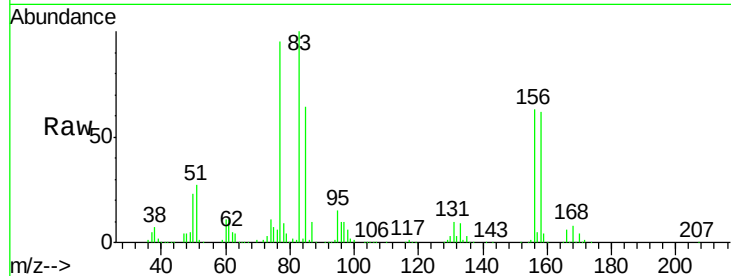
ClientSampleId :

ICVVU082919

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.0	5.0	14.9	
85	65.0	32.2	96.6	

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#76

1,2,3-Trichloropropane

Concen: 47.579 ug/l m

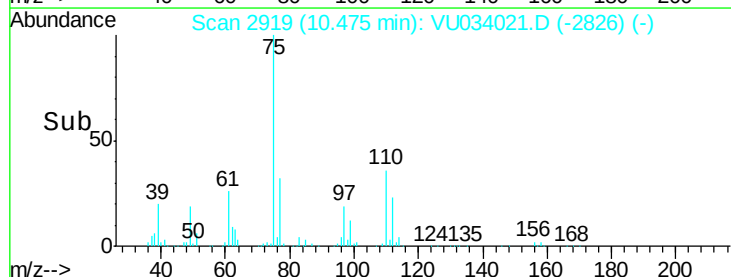
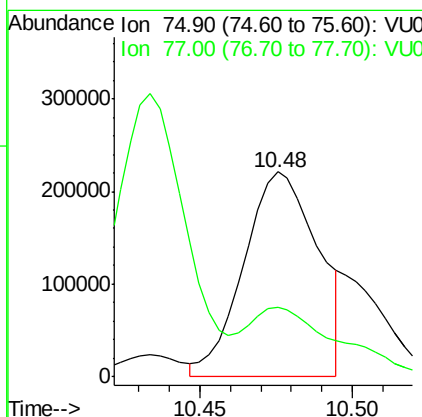
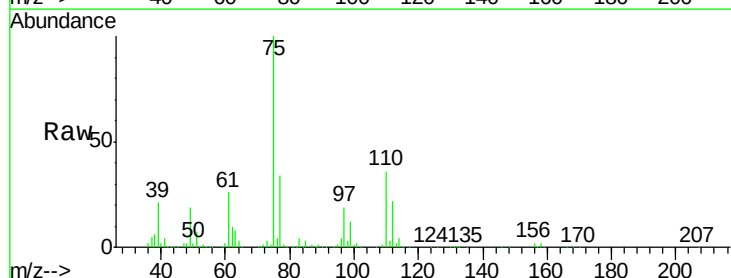
RT: 10.48 min Scan# 2919

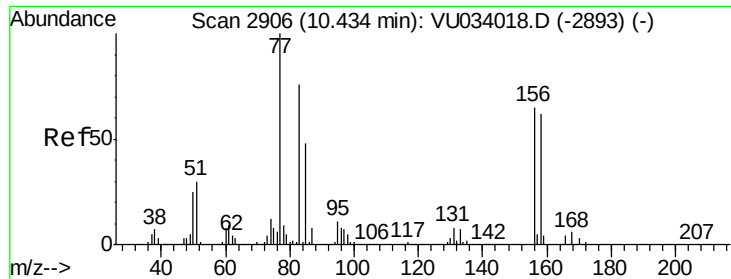
Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	42.8	20.1	60.2	





#77

Bromobenzene

Concen: 49.981 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

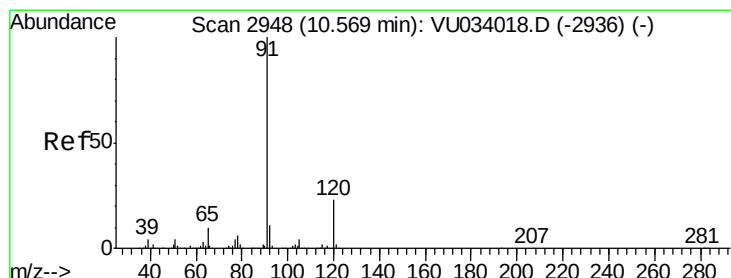
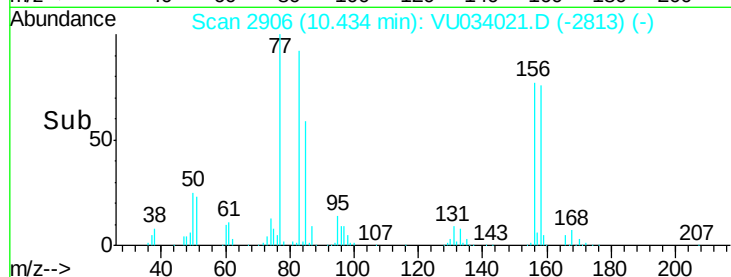
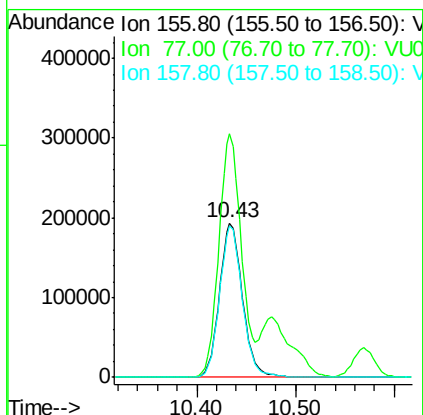
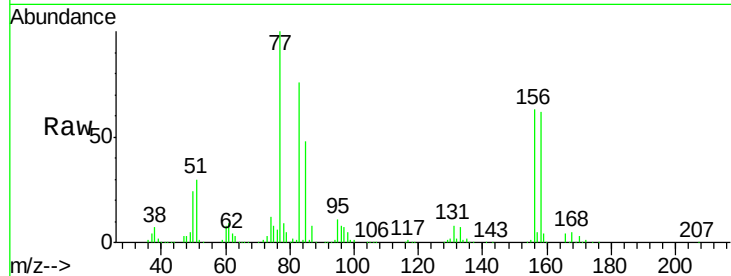
ClientSampleId :

ICVVU082919

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.4	76.8	230.5
158	97.4	48.4	145.0

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#78

n-propylbenzene

Concen: 52.345 ug/l

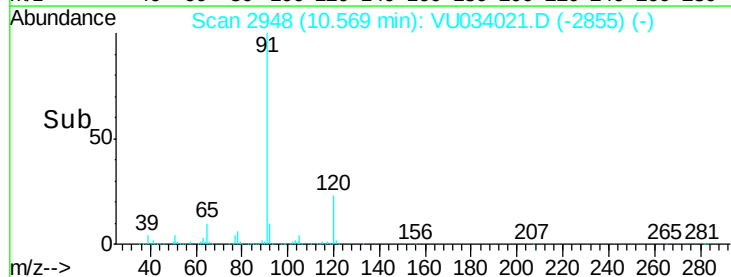
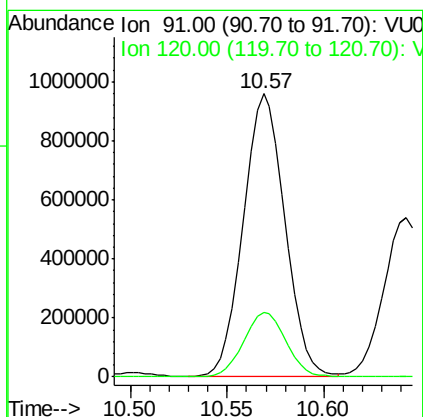
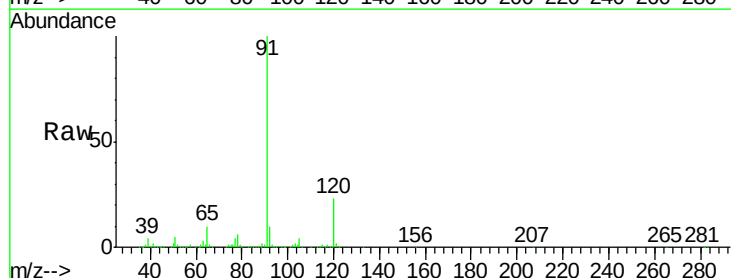
RT: 10.57 min Scan# 2948

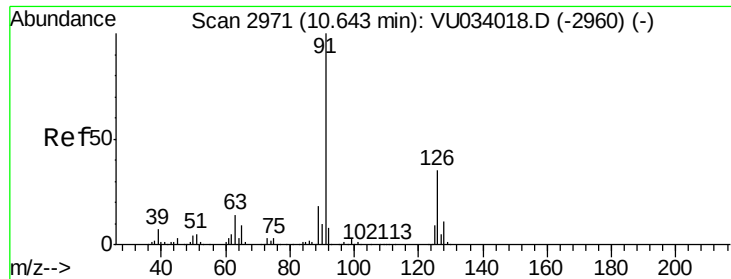
Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.0





#79

2-Chlorotoluene

Concen: 51.263 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion: 91 Resp: 843421

Ion Ratio Lower Upper

91 100

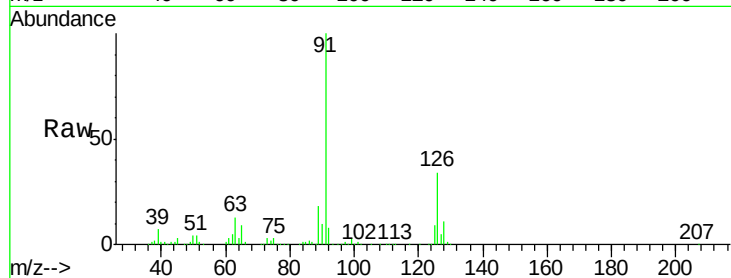
126 34.2 17.1 51.2

Manual Integrations

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

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

1000000

800000

600000

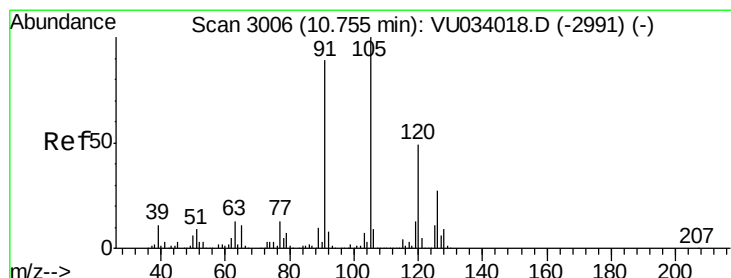
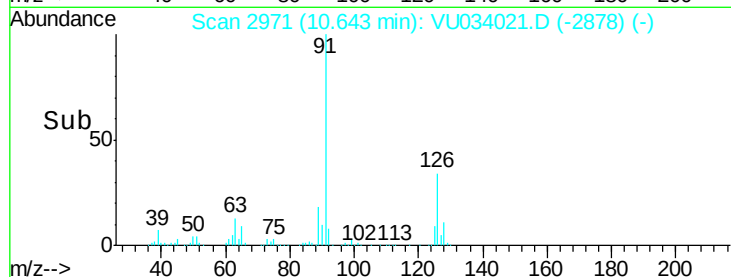
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.542 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034021.D

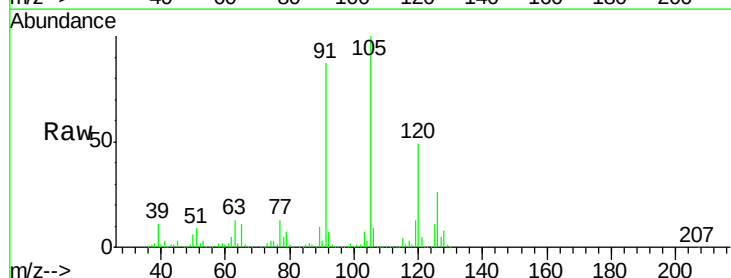
Acq: 28 Aug 2019 14:01

Tgt Ion:105 Resp: 1068854

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.6



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

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

800000

600000

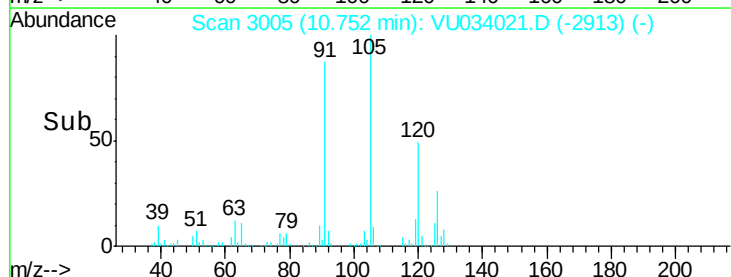
400000

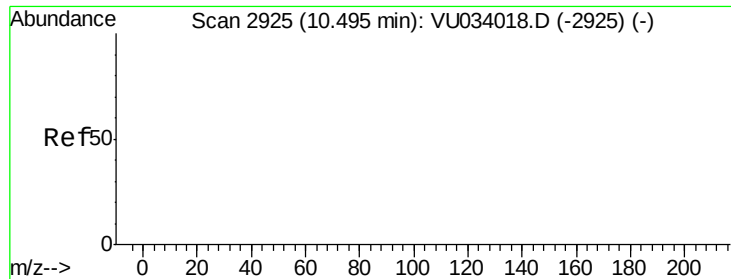
200000

0

10.70 10.80

Time-->





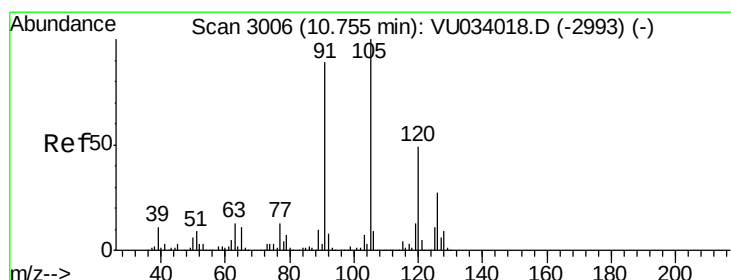
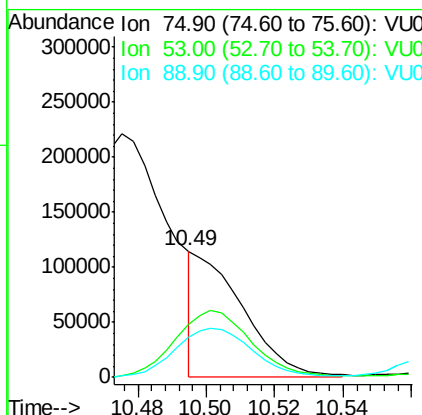
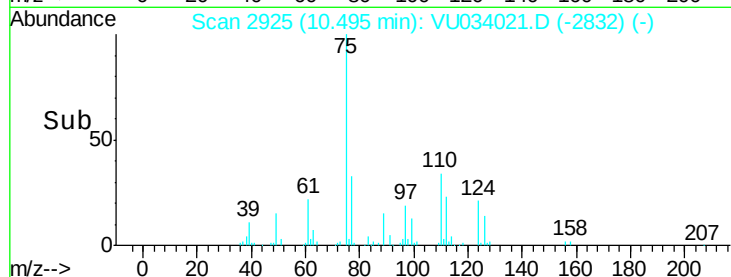
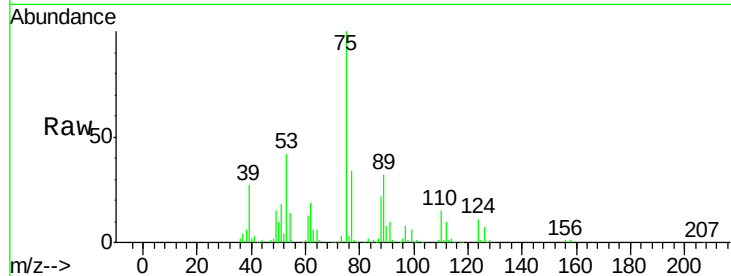
#81
trans-1,4-Dichloro-2-butene
Concen: 47.884 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampled :
ICVVU082919

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

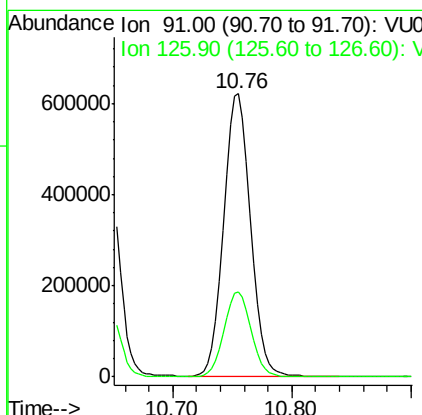
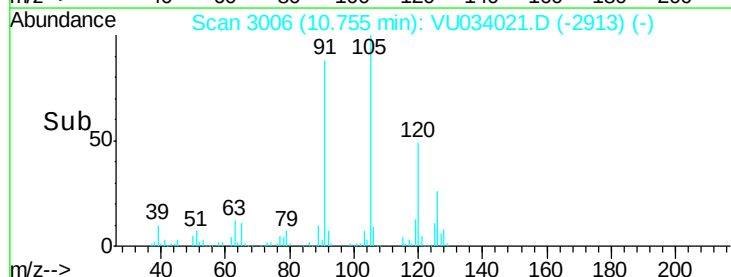
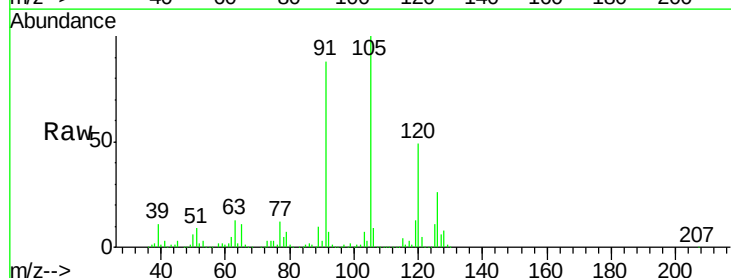
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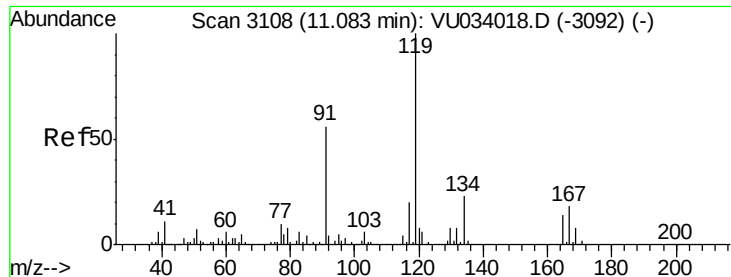
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.157 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.0	45.1





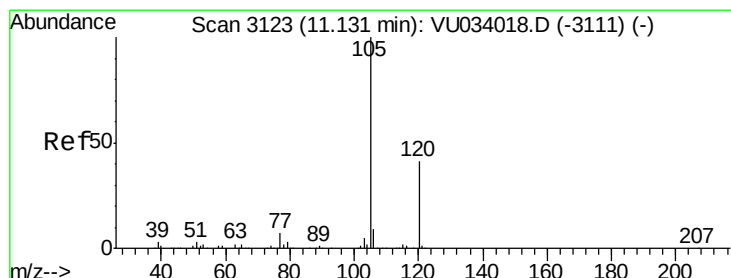
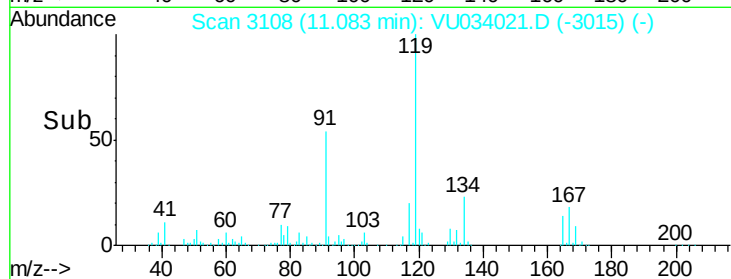
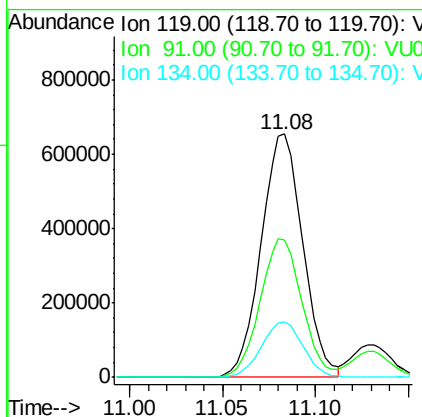
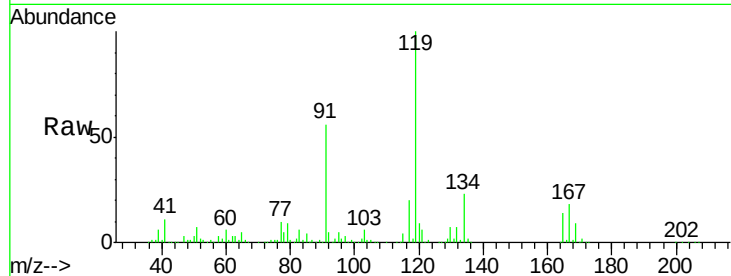
#83
 tert-Butylbenzene
 Concen: 52.015 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.5	27.9	83.6
134	22.9	11.4	34.2

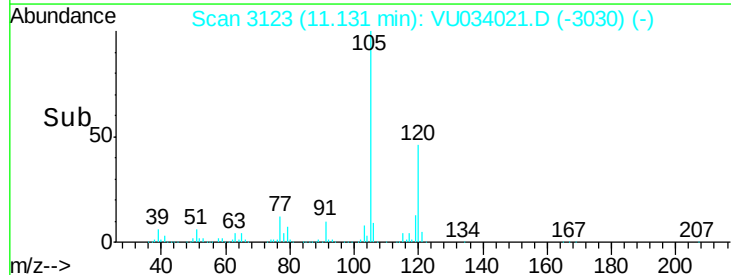
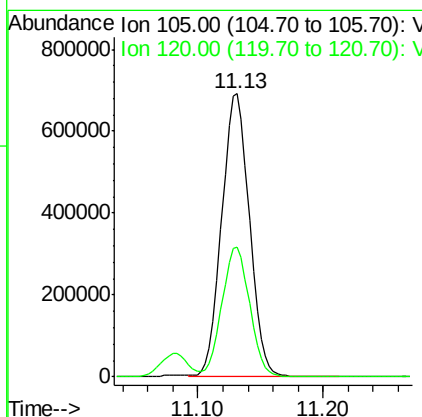
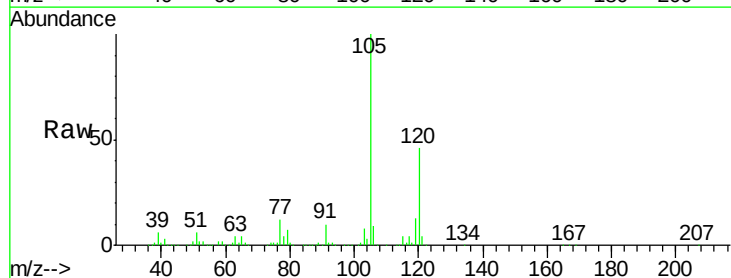
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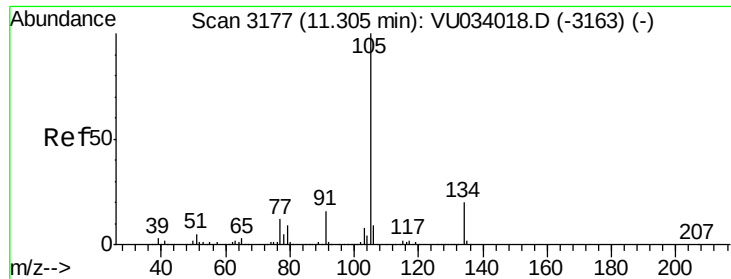
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.425 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.6	67.8





#85

sec-Butylbenzene

Concen: 52.547 ug/l

RT: 11.30 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082919

Tot Ion:105 Resp: 1237675

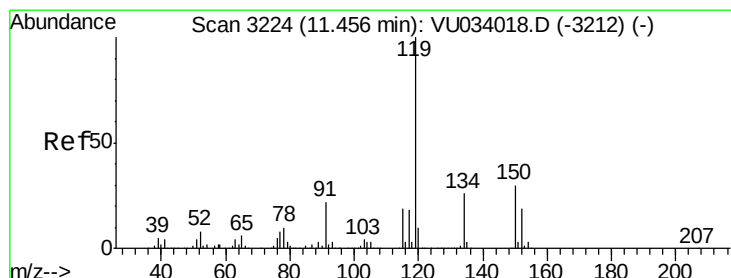
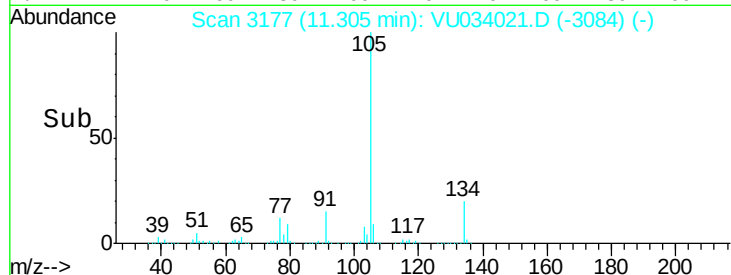
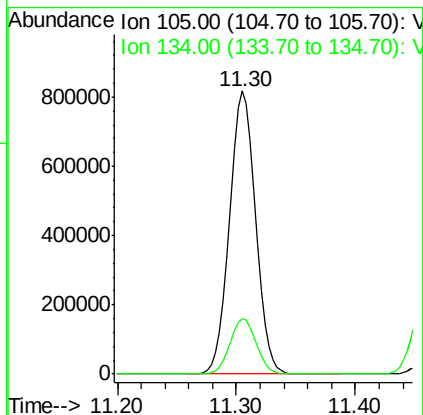
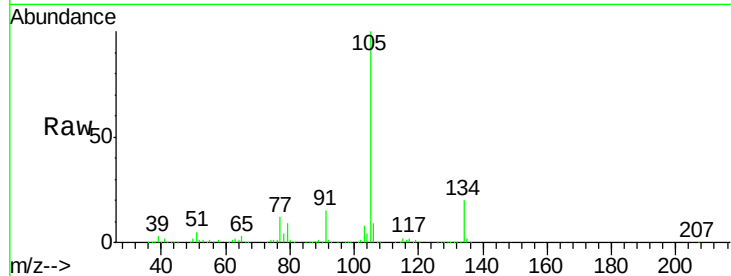
Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.807 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU034021.D

Acq: 28 Aug 2019 14:01

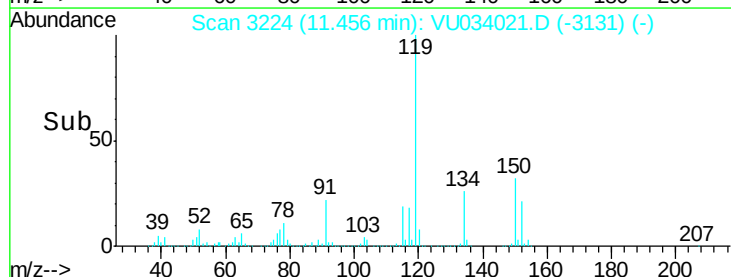
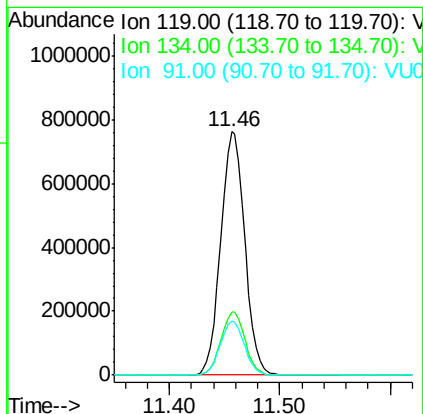
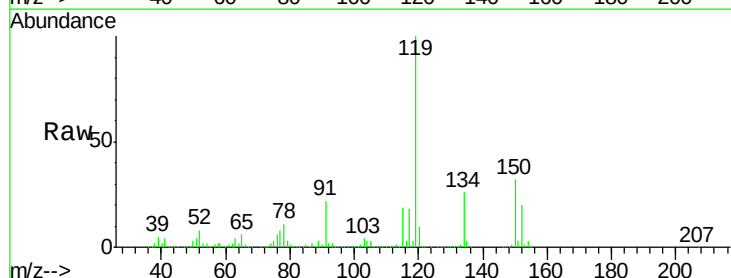
Tgt Ion:119 Resp: 1146234

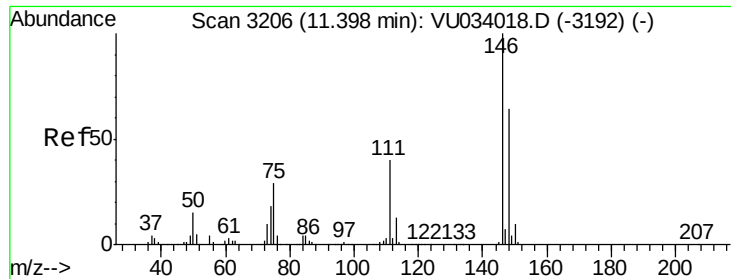
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 22.2 11.2 33.6





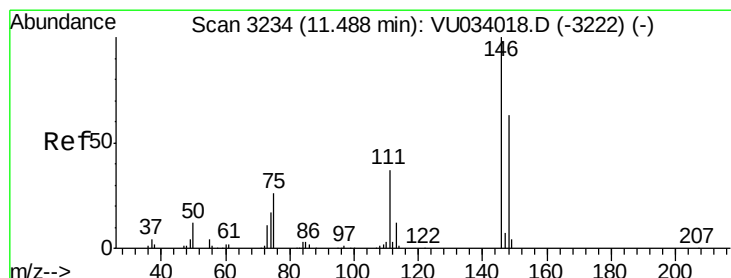
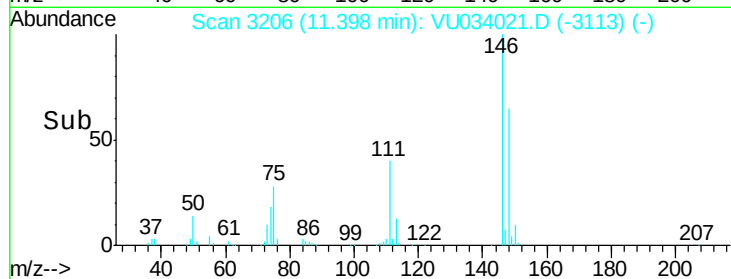
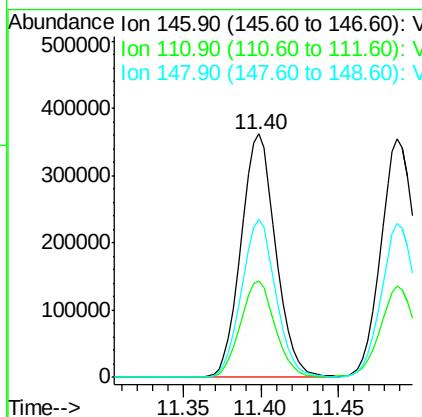
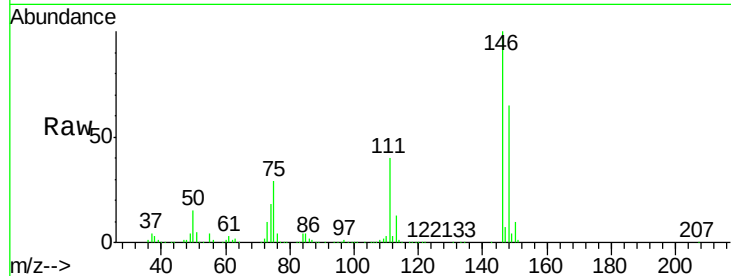
#87
 1,3-Dichlorobenzene
 Concen: 50.441 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	64.1	31.9	95.5

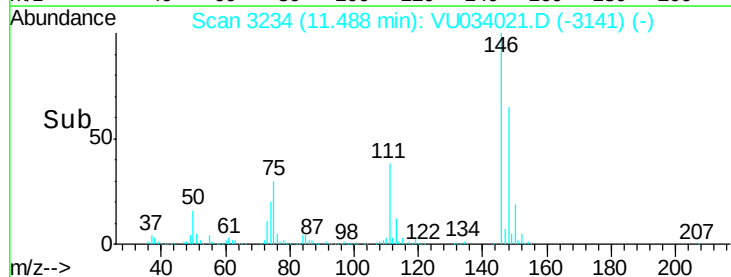
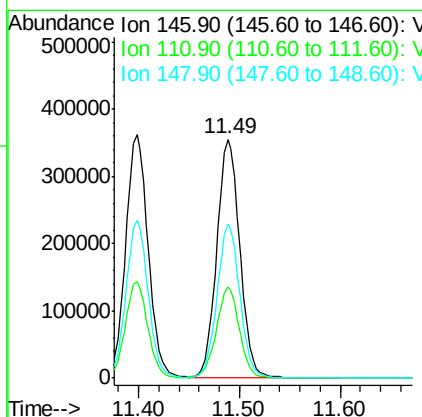
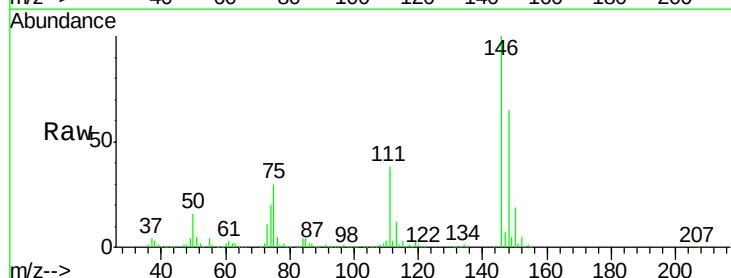
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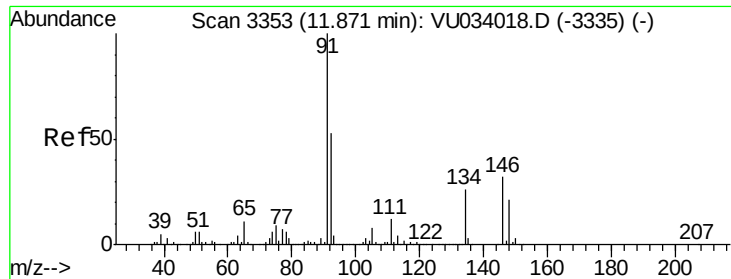
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#88
 1,4-Dichlorobenzene
 Concen: 49.844 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.2	57.6
148	63.7	31.9	95.9





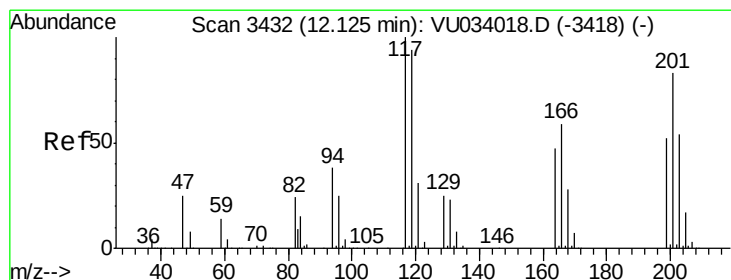
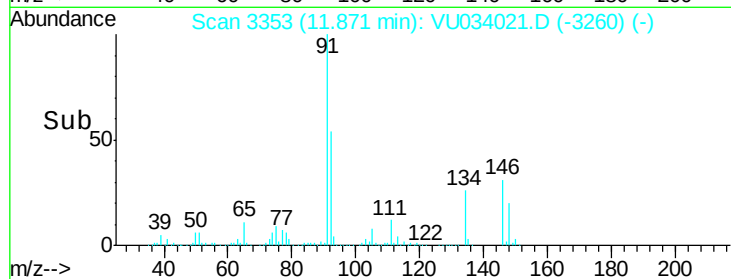
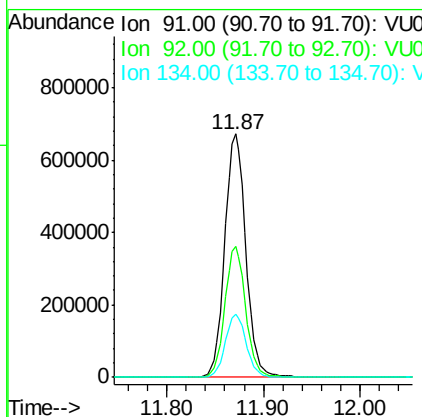
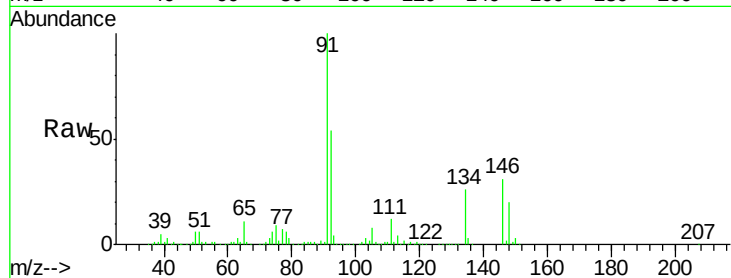
#89
n-Butylbenzene
Concen: 54.084 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion: 91 Resp: 1015794
Ion Ratio Lower Upper
91 100
92 53.2 26.3 78.9
134 25.8 12.9 38.7

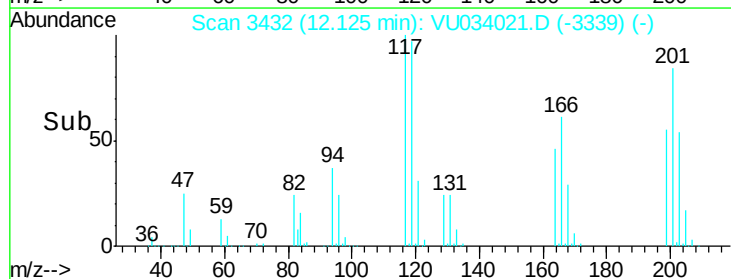
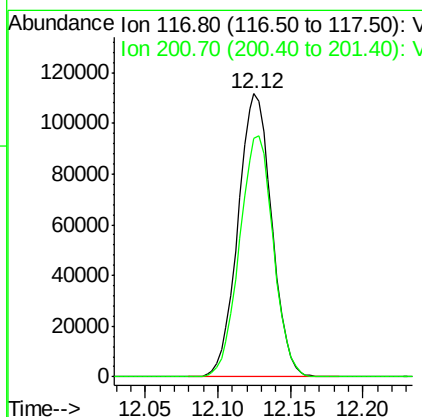
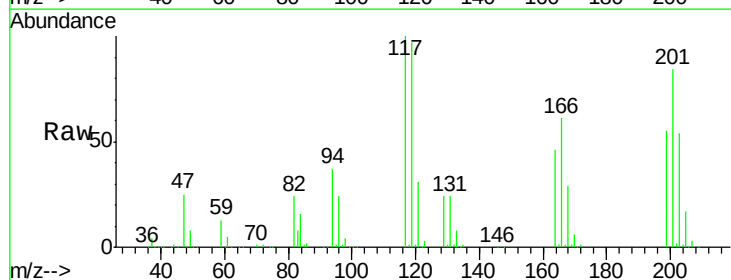
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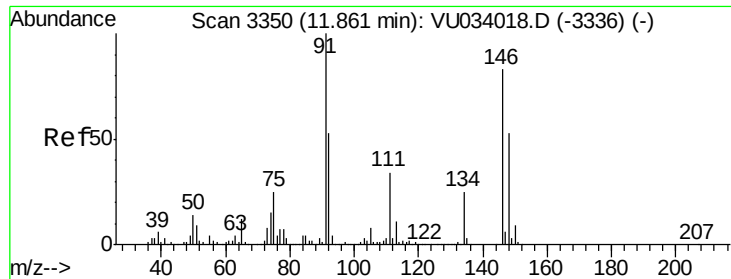
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#90
Hexachloroethane
Concen: 48.935 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion: 117 Resp: 180231
Ion Ratio Lower Upper
117 100
201 85.6 42.5 127.6





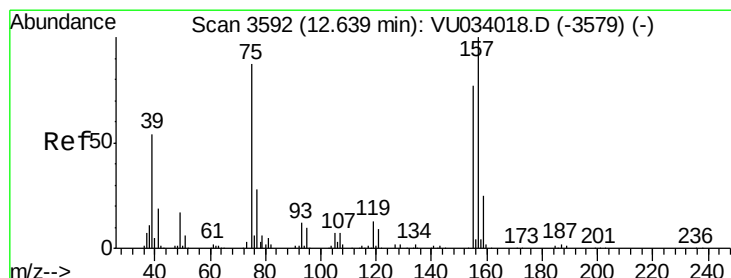
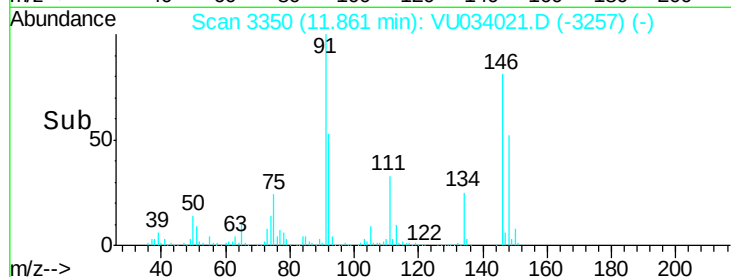
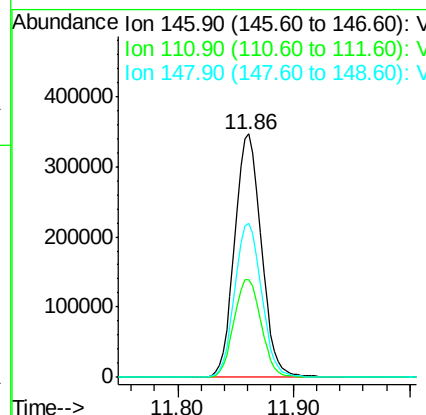
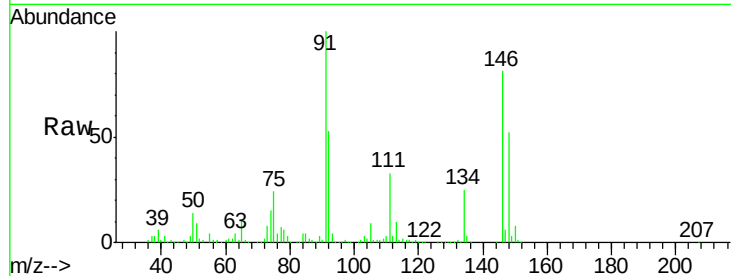
#91
 1,2-Dichlorobenzene
 Concen: 51.287 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Tot Ion	Ratio	Resp	Lower	Upper
146	100	551079		
111	41.2		20.4	61.2
148	64.1		32.3	96.8

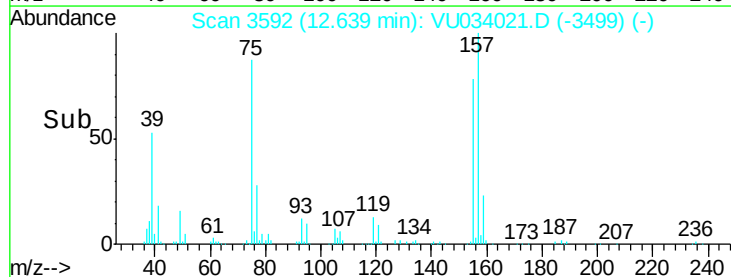
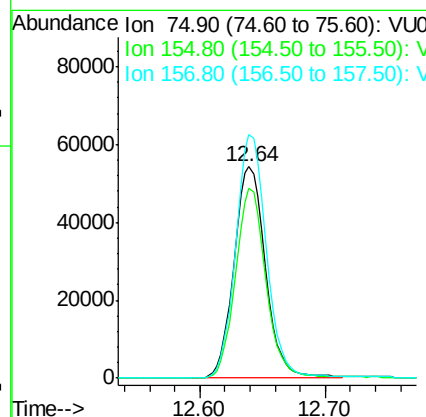
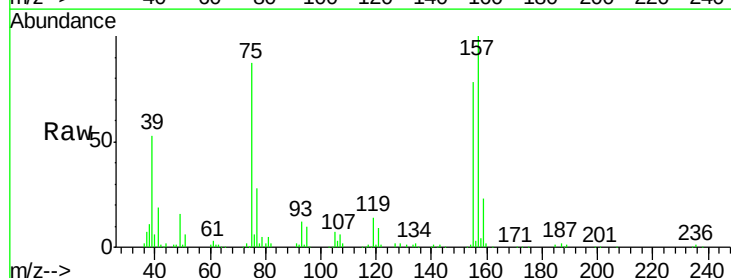
Manual Integrations
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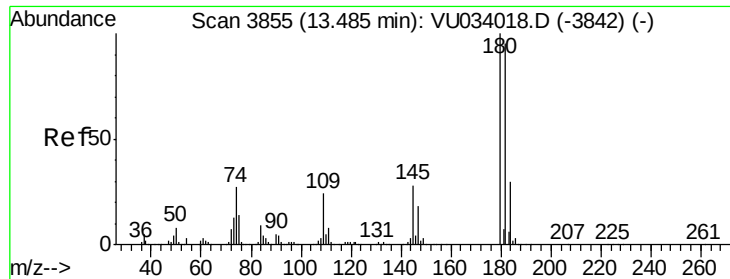
MMDadoda
 8/29/2019 8:47:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.819 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94862		
155	86.3		43.5	130.7
157	112.3		56.9	170.6





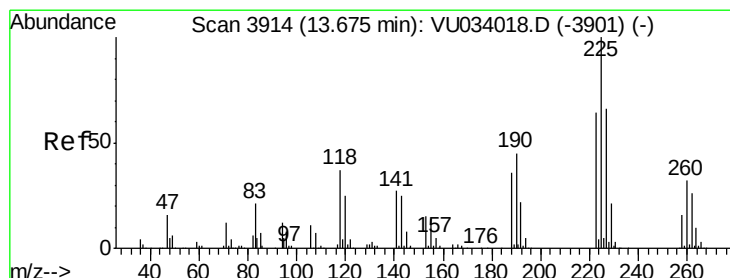
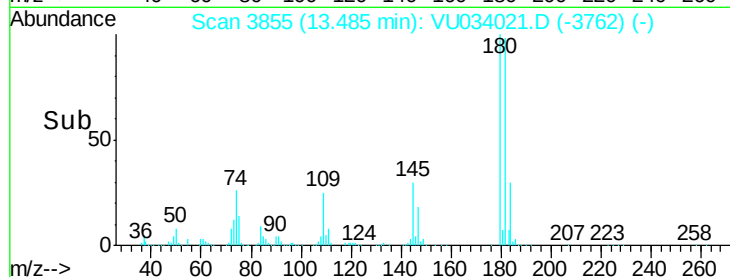
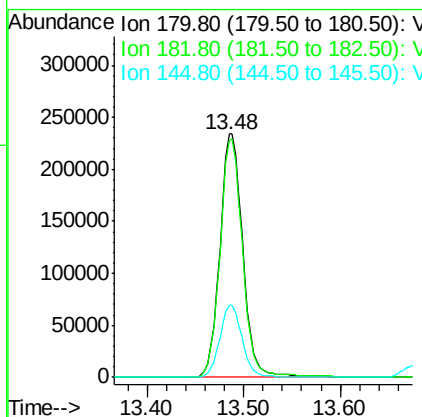
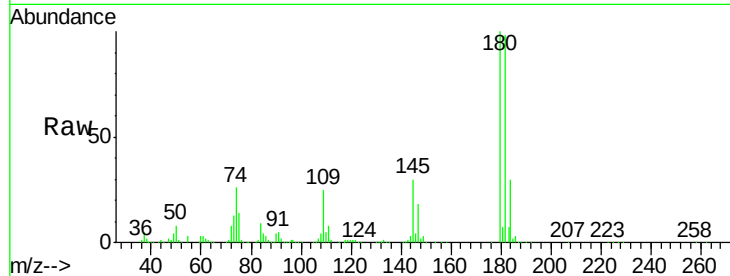
#93
 1,2,4-Trichlorobenzene
 Concen: 50.180 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Tot Ion	Ratio	Resp	Lower	Upper
180	100	383544		
182	96.3	47.4	142.2	
145	29.0	14.1	42.3	

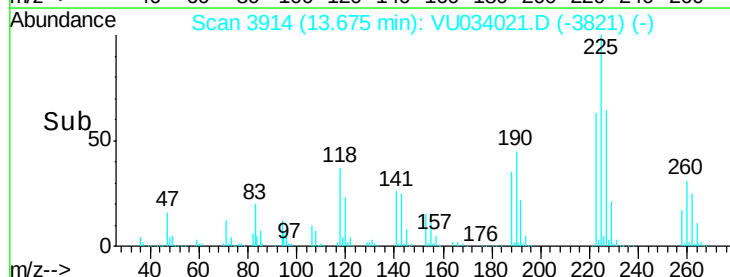
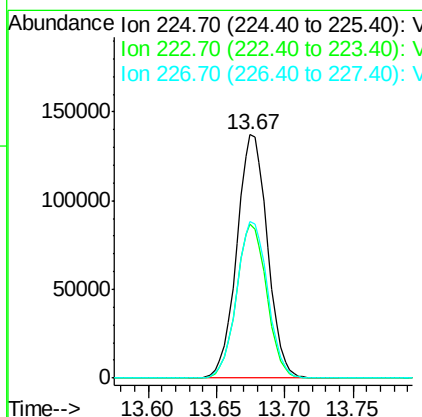
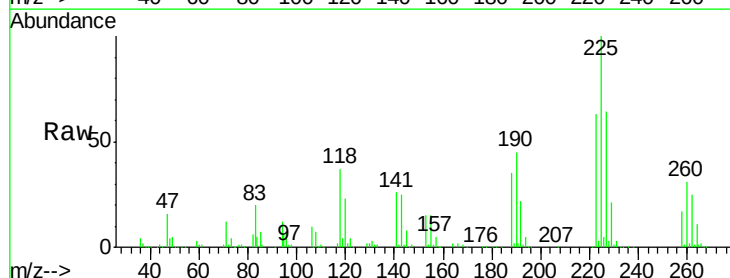
Manual Integrations
 APPROVED

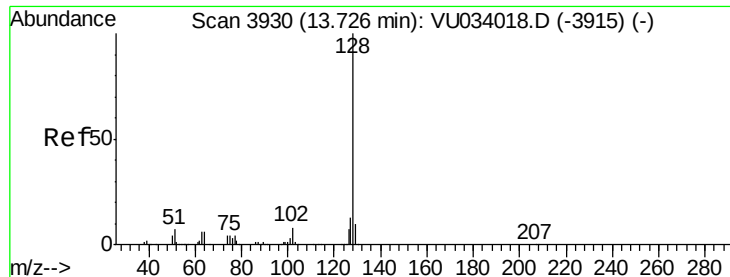
MMDadoda
 8/29/2019 8:47:57 AM



#94
 Hexachlorobutadiene
 Concen: 50.809 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU034021.D
 Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	213566		
223	62.4	31.8	95.3	
227	65.0	32.6	97.8	





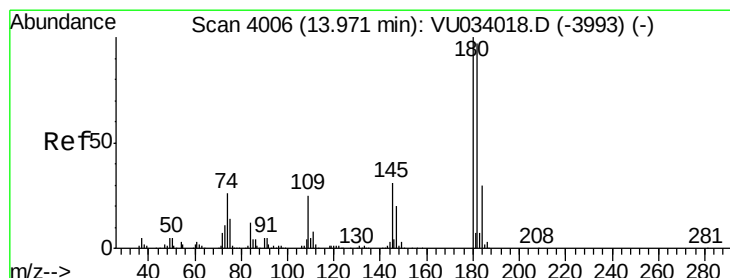
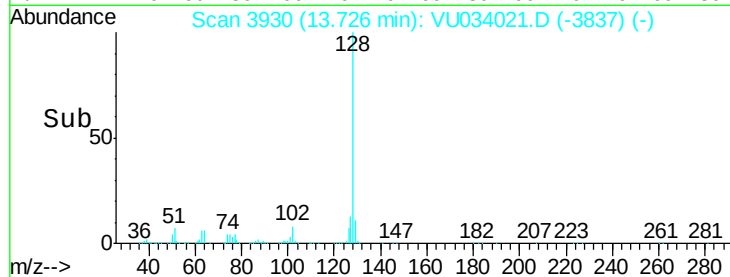
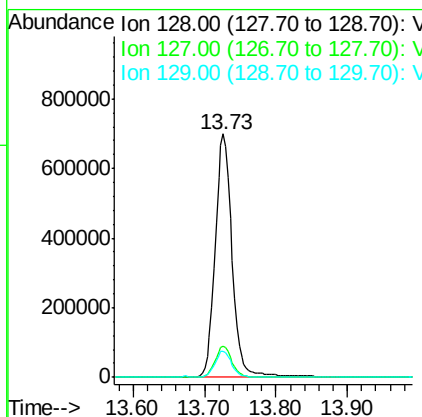
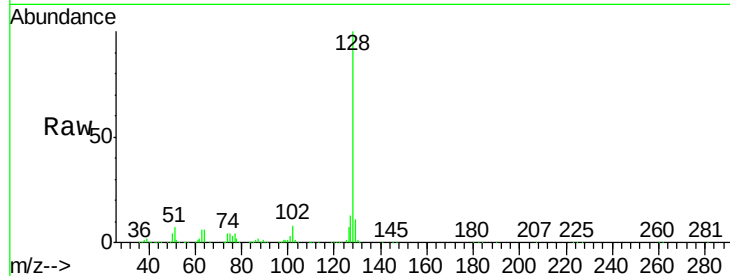
#95
Naphthalene
Concen: 52.743 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082919

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/29/2019 8:47:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.196 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. -0.00 min
Lab File: VU034021.D
Acq: 28 Aug 2019 14:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.2	144.6
145	31.4	15.5	46.5

