

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034353.D
 Acq On : 07 Sep 2019 00:41
 Operator : JC/SP
 Sample : VU0907WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:30:53 PM

Quant Time: Sep 07 05:08:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	295798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	435608	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	427201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	285360	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	212642	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
35) Dibromofluoromethane	4.86	113	191905	47.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.68%	
50) Toluene-d8	7.54	98	751021	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	10.29	95	279885	47.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	56068	18.124	ug/l	100
3) Chloromethane	1.32	50	66085	19.721	ug/l	98
4) Vinyl Chloride	1.40	62	69762	18.096	ug/l	96
5) Bromomethane	1.62	94	45196	20.598	ug/l	99
6) Chloroethane	1.69	64	46126	19.985	ug/l	100
7) Trichlorofluoromethane	1.88	101	98785	19.111	ug/l	100
8) Diethyl Ether	2.10	74	44032	19.366	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	64656	18.886	ug/l	99
10) Methyl Iodide	2.40	142	50945	18.860	ug/l	99
11) Tert butyl alcohol	2.81	59	94775	100.237	ug/l	99
12) 1,1-Dichloroethene	2.27	96	62642	19.464	ug/l	96
13) Acrolein	2.19	56	43430	54.650	ug/l	98
14) Allyl chloride	2.58	41	113566m	18.458	ug/l	
15) Acrylonitrile	2.92	53	237988	101.076	ug/l	99
16) Acetone	2.31	43	190335	82.181	ug/l	99
17) Carbon Disulfide	2.47	76	124486	17.210	ug/l	100
18) Methyl Acetate	2.60	43	107737	19.117	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	242582	20.680	ug/l	100
20) Methylene Chloride	2.69	84	79445	20.708	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	65023	19.173	ug/l	97
22) Diisopropyl ether	3.55	45	243858	20.324	ug/l	92
23) Vinyl Acetate	3.51	43	978732	100.139	ug/l	99
24) 1,1-Dichloroethane	3.43	63	137270	19.157	ug/l	99
25) 2-Butanone	4.24	43	300795	97.293	ug/l	100
26) 2,2-Dichloropropane	4.20	77	91392	15.858	ug/l	98
27) cis-1,2-Dichloroethene	4.21	96	84144	20.428	ug/l	94
28) Bromochloromethane	4.52	49	65054	19.738	ug/l	97
29) Tetrahydrofuran	4.62	42	196845	104.634	ug/l	100
30) Chloroform	4.65	83	142203	19.524	ug/l	98
31) Cyclohexane	4.97	56	102852	19.620	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	113526	19.495	ug/l	99
36) 1,1-Dichloropropene	5.12	75	90685	19.196	ug/l	99
37) Ethyl Acetate	4.36	43	107693	19.281	ug/l	98
38) Carbon Tetrachloride	5.11	117	94768	18.788	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	95559	18.922	ug/l	98
40) Benzene	5.37	78	296335	19.440	ug/l	99
41) Methacrylonitrile	4.52	41	59472	19.989	ug/l	97
42) 1,2-Dichloroethane	5.38	62	103598	19.574	ug/l	99
43) Isopropyl Acetate	5.53	43	171259	19.655	ug/l	99
44) Trichloroethene	6.17	130	83527	19.801	ug/l	98
45) 1,2-Dichloropropane	6.41	63	86187	19.340	ug/l	97
46) Dibromomethane	6.54	93	54466	19.471	ug/l	98
47) Bromodichloromethane	6.74	83	110584	19.205	ug/l	100
48) Methyl methacrylate	6.60	41	77836	18.808	ug/l	96
49) 1,4-Dioxane	6.59	88	38918	430.651	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	590085	97.836	ug/l	98
52) Toluene	7.62	92	191613	20.038	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	112094	18.780	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	124644	19.026	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	83417	19.211	ug/l	96
56) Ethyl methacrylate	8.00	69	119957	20.141	ug/l	99
57) 1,3-Dichloropropane	8.22	76	136250	19.270	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	203004	101.527	ug/l	100
59) 2-Hexanone	8.34	43	438680	97.360	ug/l	99
60) Dibromochloromethane	8.46	129	91048	19.549	ug/l	96
61) 1,2-Dibromoethane	8.57	107	83920	19.746	ug/l	99
64) Tetrachloroethene	8.21	164	74481	20.096	ug/l	98
65) Chlorobenzene	9.10	112	221375	20.425	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	81227	19.638	ug/l	99
67) Ethyl Benzene	9.23	91	363452	20.509	ug/l	100
68) m/p-Xylenes	9.35	106	287528	43.088	ug/l	97
69) o-Xylene	9.76	106	138615	21.240	ug/l	100
70) Styrene	9.77	104	243196	21.255	ug/l	99
71) Bromoform	9.94	173	70951	19.792	ug/l #	98
73) Isopropylbenzene	10.14	105	376144	20.255	ug/l	100
74) N-amyl acetate	9.99	43	148704	19.893	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	145462	19.351	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	120197m	19.297	ug/l	
77) Bromobenzene	10.43	156	105118	20.244	ug/l	98
78) n-propylbenzene	10.57	91	434683	20.268	ug/l	100
79) 2-Chlorotoluene	10.64	91	265998	20.327	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	325369	20.949	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	35557m	19.197	ug/l	
82) 4-Chlorotoluene	10.75	91	305206	20.267	ug/l	99
83) tert-Butylbenzene	11.08	119	320661	20.638	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	326608	20.891	ug/l	99
85) sec-Butylbenzene	11.30	105	379875	20.710	ug/l	99
86) p-Isopropyltoluene	11.45	119	348893	20.608	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	190399	20.094	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	194961	19.727	ug/l	99
89) n-Butylbenzene	11.87	91	295147	20.061	ug/l	99
90) Hexachloroethane	12.12	117	50477	18.636	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	189031	20.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	26728	19.350	ug/l	94

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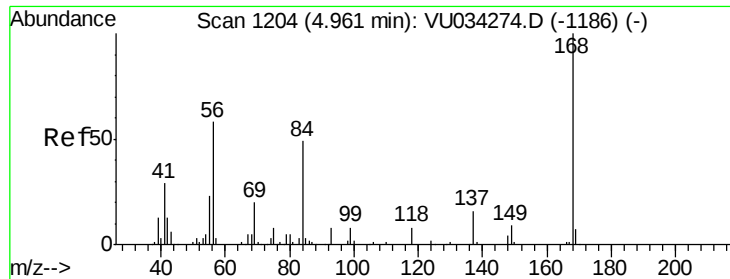
Manual Integrations
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QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	120524	20.065	ug/l	99
94) Hexachlorobutadiene	13.67	225	57496	17.651	ug/l	98
95) Naphthalene	13.72	128	344665	20.651	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	121762	20.319	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion:168 Resp: 295798

Ion Ratio Lower Upper

168 100

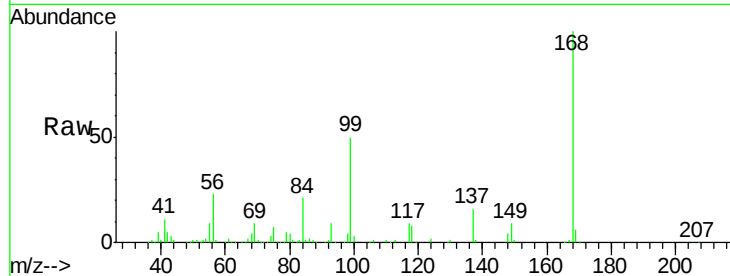
99 50.1 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

150000

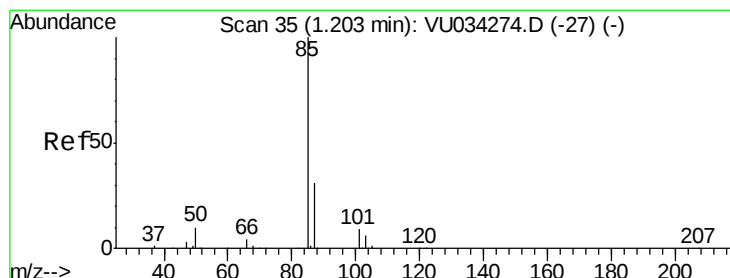
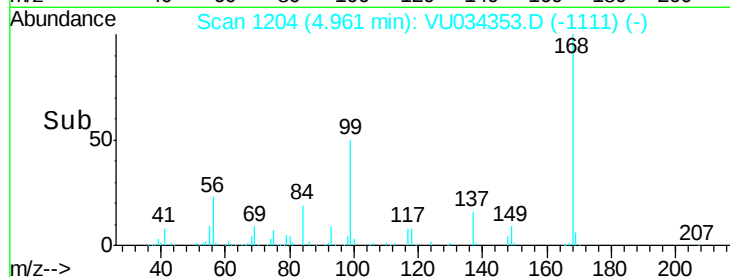
100000

50000

0

4.90 4.96 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.124 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034353.D

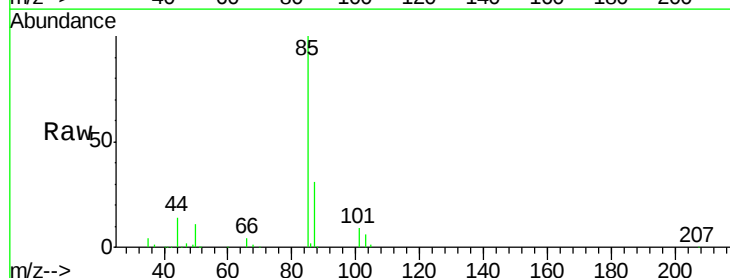
Acq: 07 Sep 2019 00:41

Tgt Ion: 85 Resp: 56068

Ion Ratio Lower Upper

85 100

87 31.1 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

60000

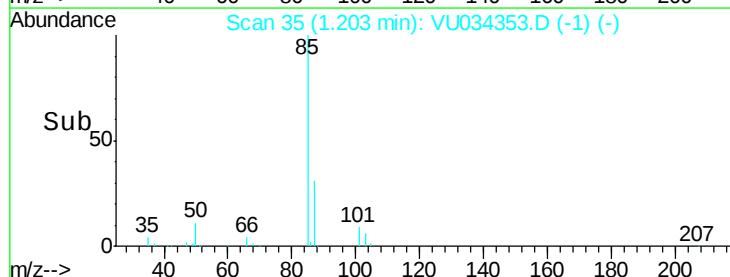
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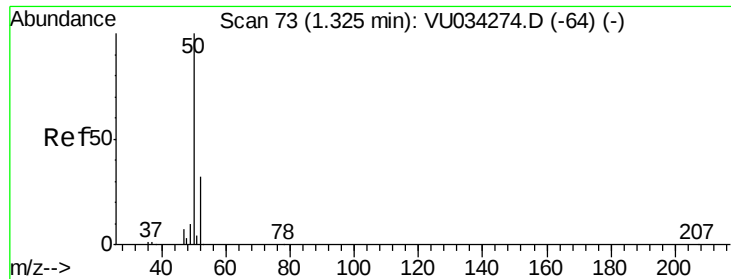
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.721 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion: 50 Resp: 66085

Ion Ratio Lower Upper

50 100

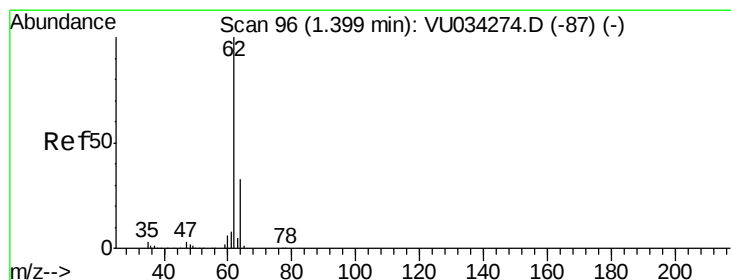
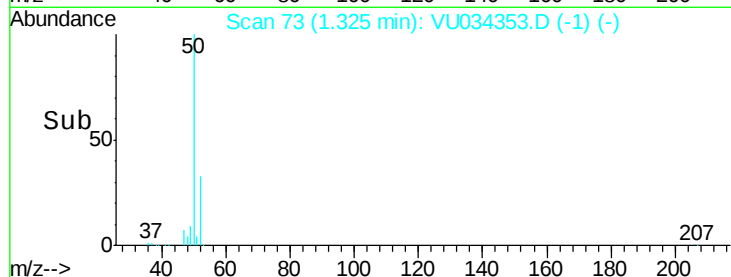
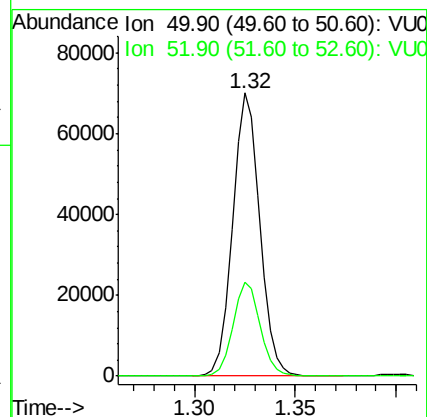
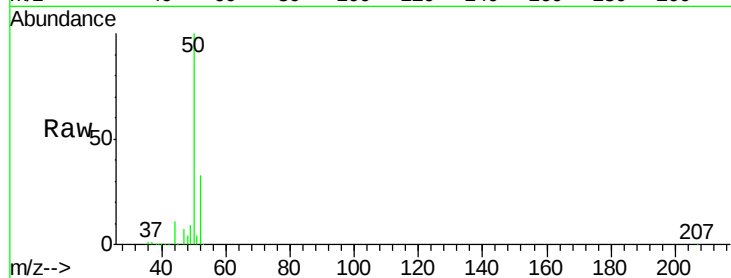
52 33.4 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.096 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034353.D

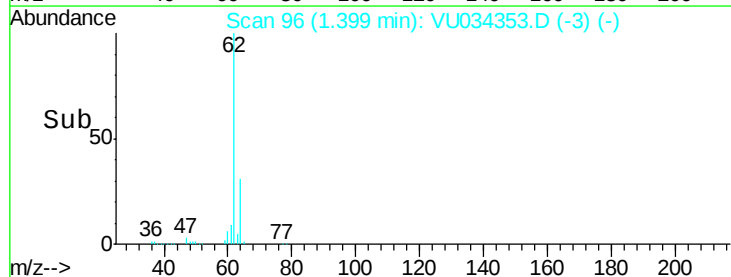
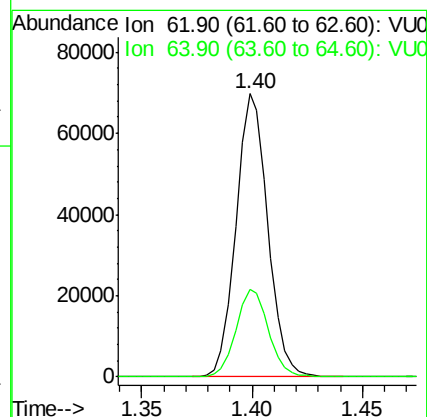
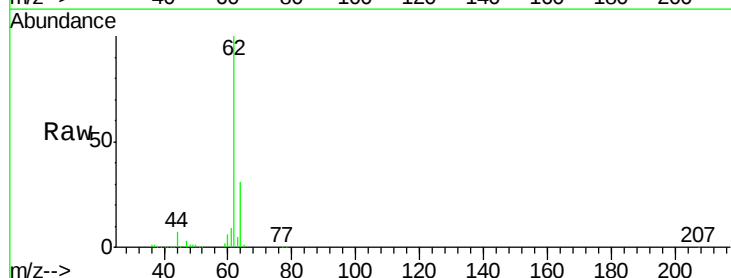
Acq: 07 Sep 2019 00:41

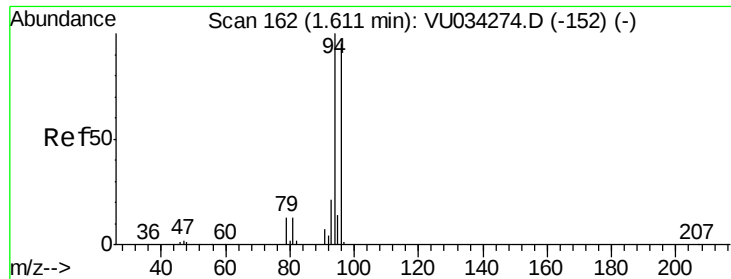
Tgt Ion: 62 Resp: 69762

Ion Ratio Lower Upper

62 100

64 30.8 26.2 39.4





#5

Bromomethane

Concen: 20.598 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

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ClientSampleId :

VU0907WBSD02

Tot Ion: 94 Resp: 45196

Ion Ratio Lower Upper

94 100

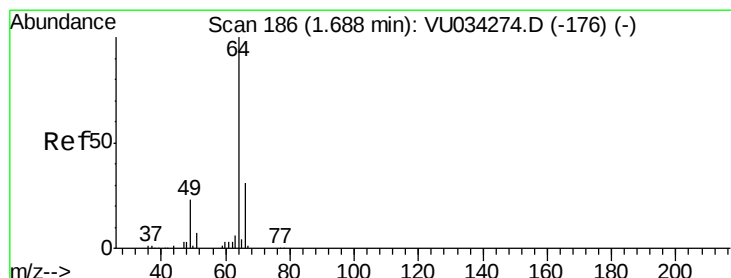
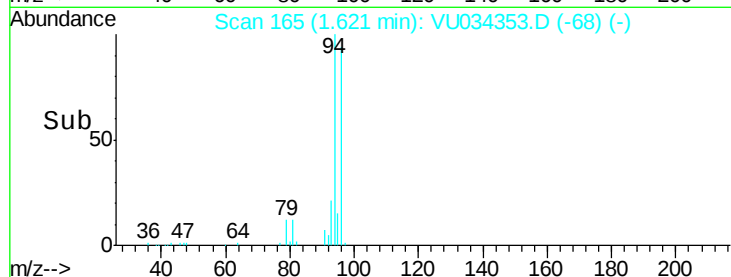
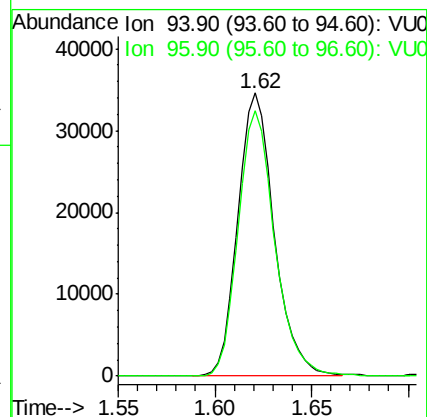
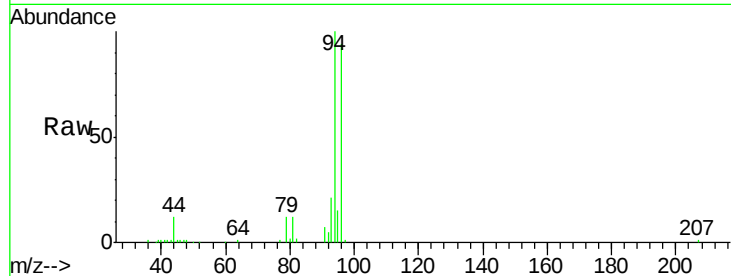
96 93.9 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 19.985 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034353.D

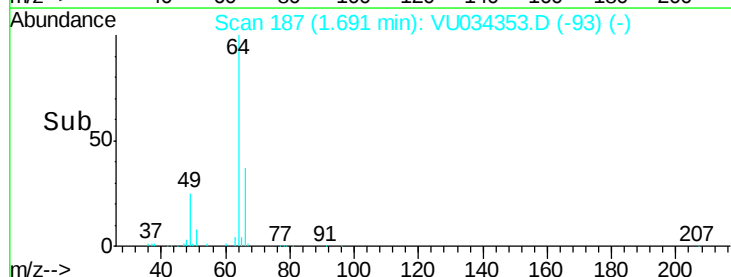
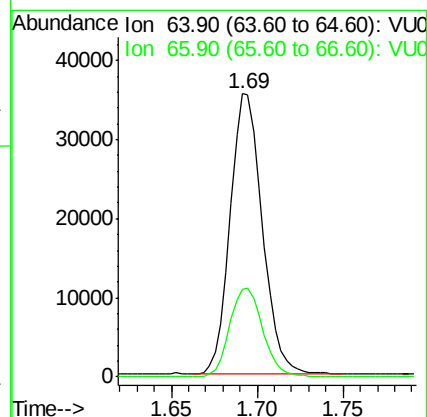
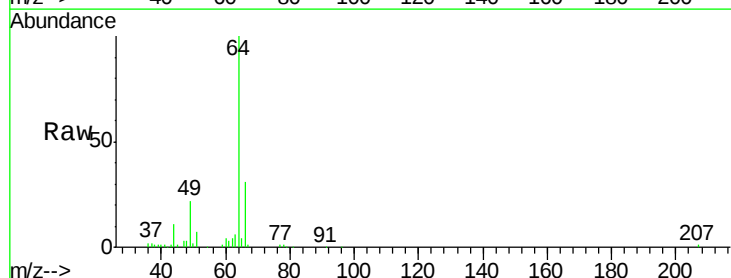
Acq: 07 Sep 2019 00:41

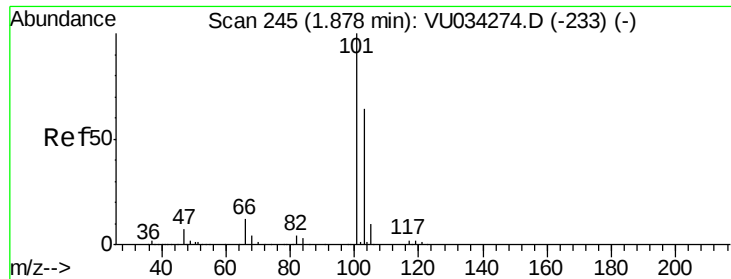
Tgt Ion: 64 Resp: 46126

Ion Ratio Lower Upper

64 100

66 31.4 25.0 37.6





#7

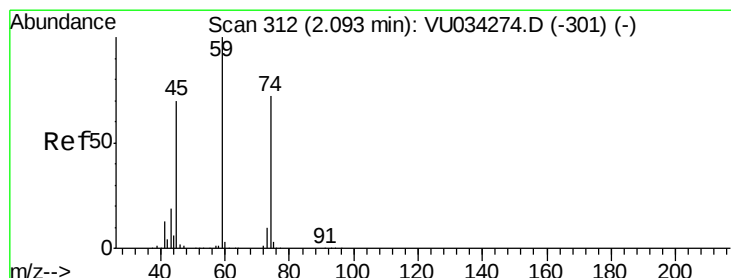
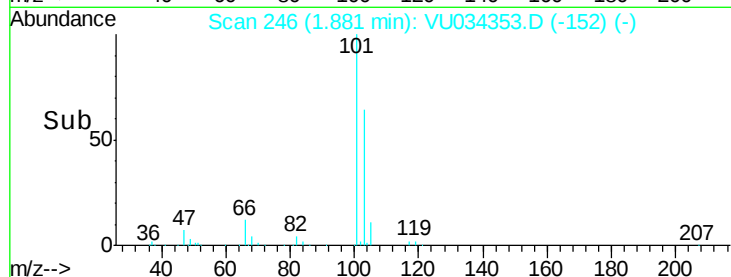
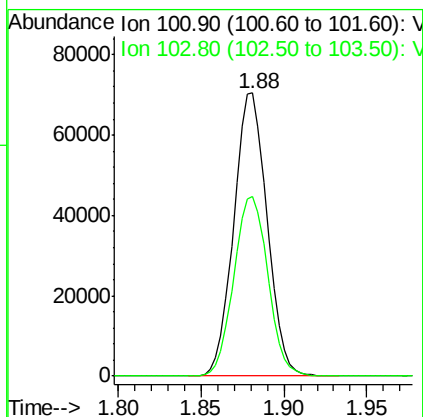
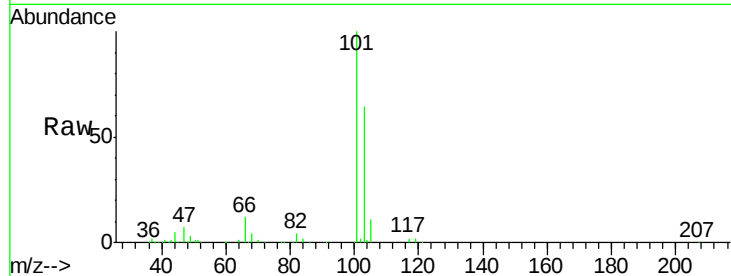
Trichlorofluoromethane
 Concen: 19.111 ug/l
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
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 VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.6

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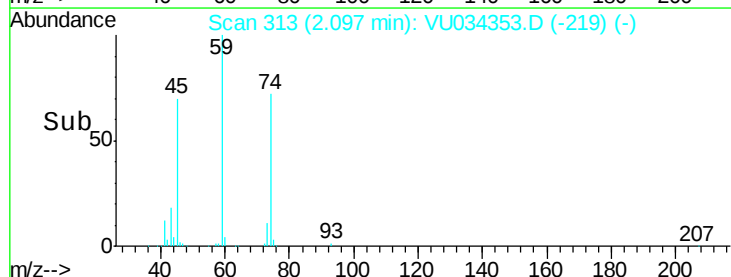
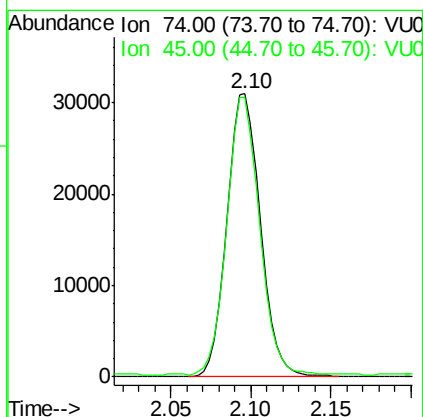
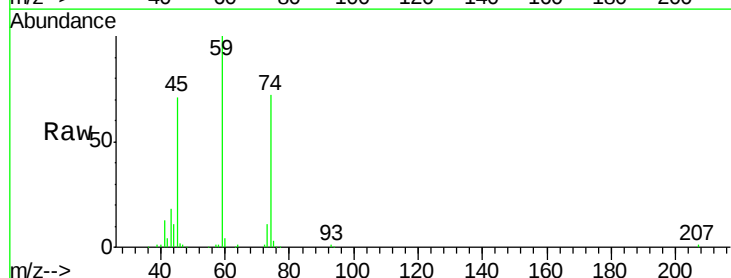
MMDadoda
 9/10/2019 1:30:53 PM



#8

Diethyl Ether
 Concen: 19.366 ug/l
 RT: 2.10 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.886 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

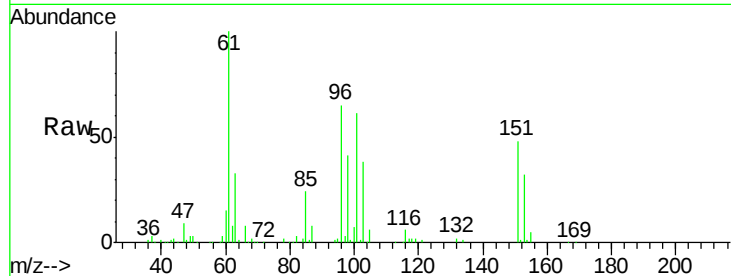
ClientSampleId :

VU0907WBSD02

Tot Ion:	101	Resp:	64656
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.4	51.6
151	81.4	64.4	96.6

Manual Integrations
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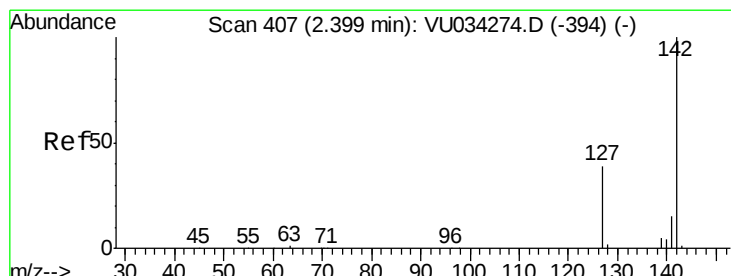
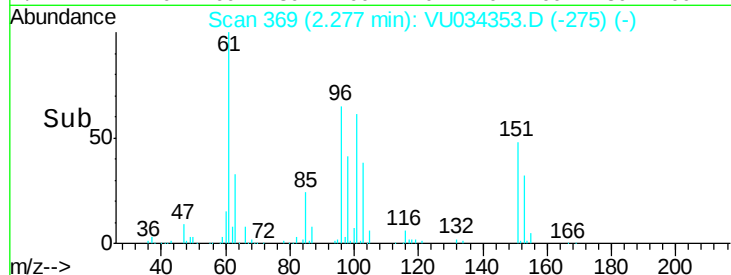
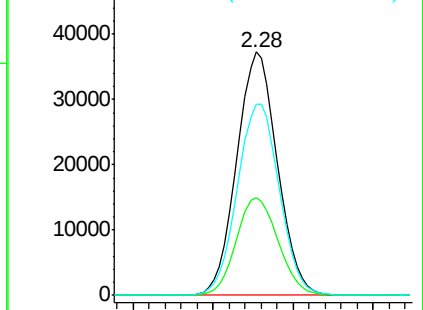
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.860 ug/l

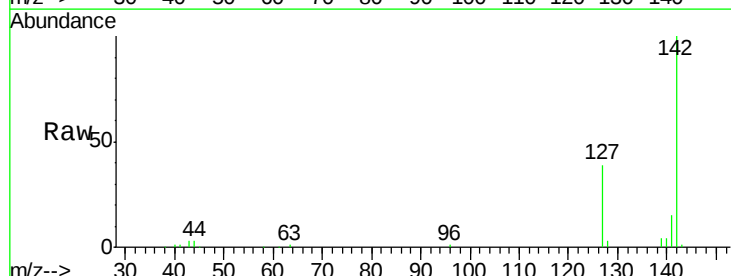
RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

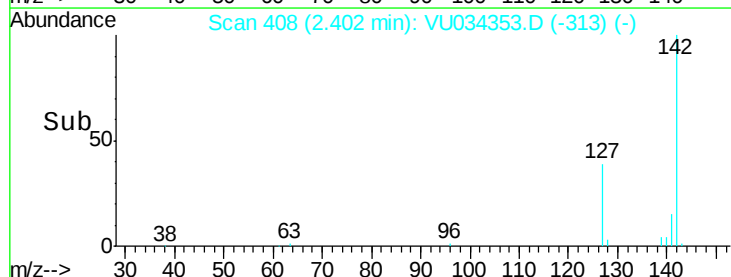
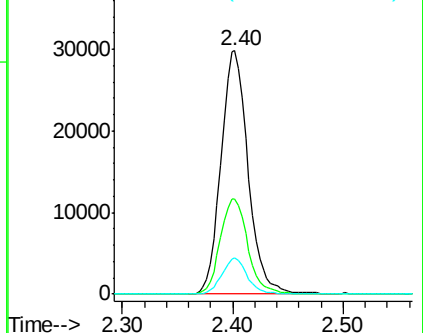
Tgt Ion:	142	Resp:	50945
Ion Ratio	Lower	Upper	
142	100		
127	39.6	32.1	48.1
141	13.8	11.5	17.3

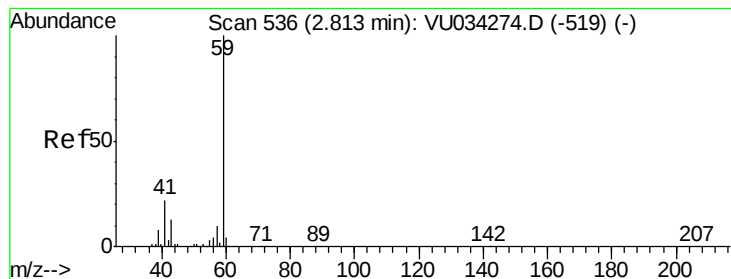


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

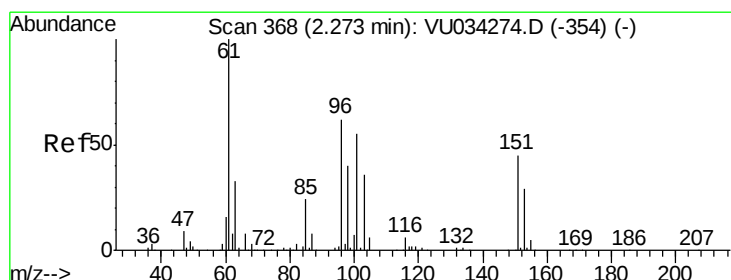
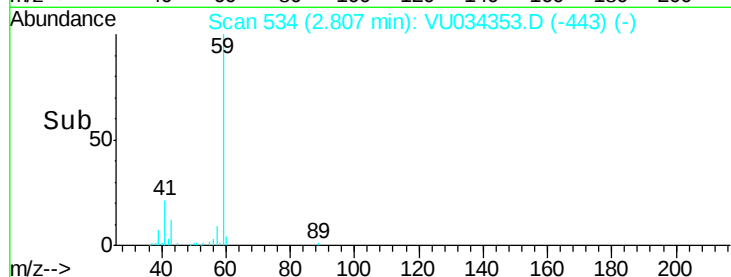
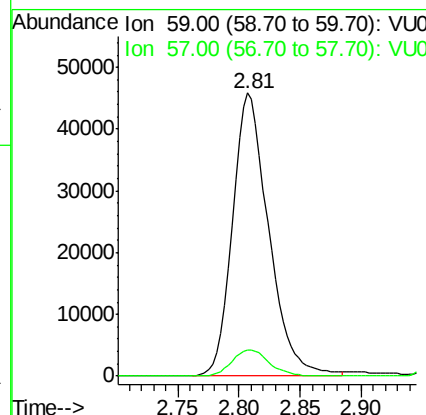
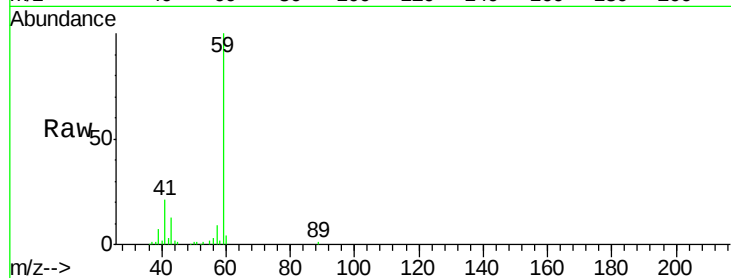
Tert butyl alcohol
Concen: 100.237 ug/l
RT: 2.81 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.9	11.9

Manual Integrations
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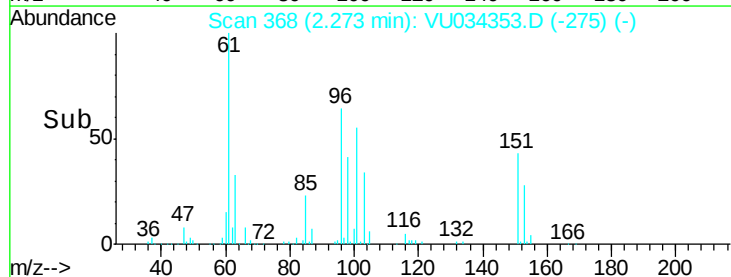
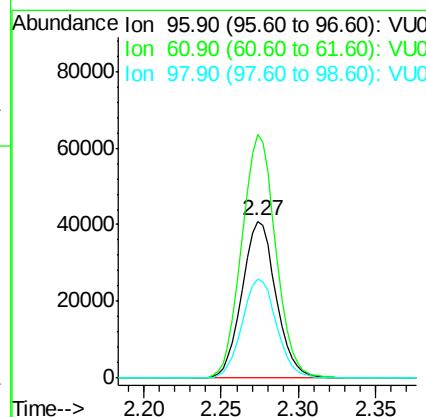
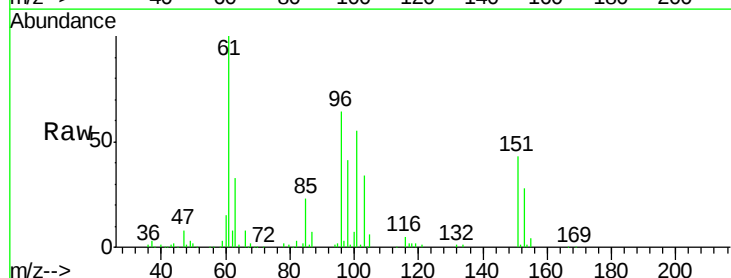
MMDadoda
9/10/2019 1:30:53 PM

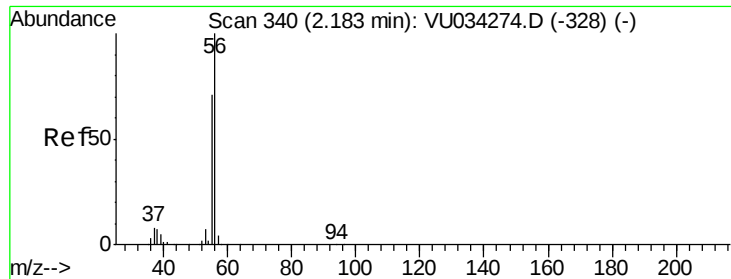


#12

1,1-Dichloroethene
Concen: 19.464 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	130.0	195.0
98	63.4	52.2	78.4





#13

Acrolein

Concen: 54.650 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion: 56 Resp: 43430

Ion Ratio Lower Upper

56 100

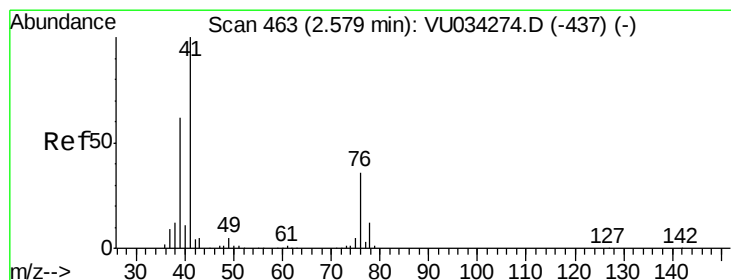
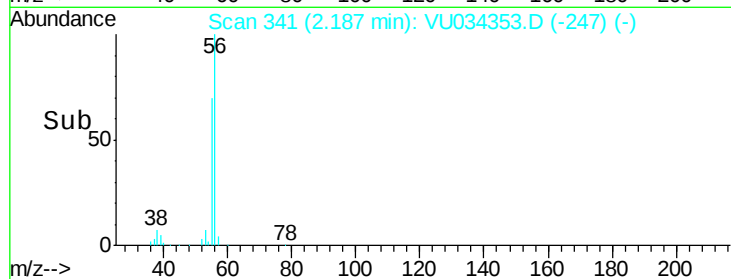
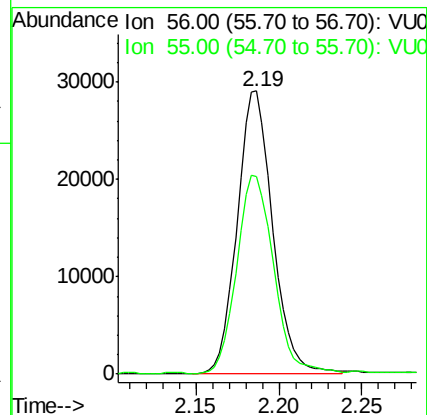
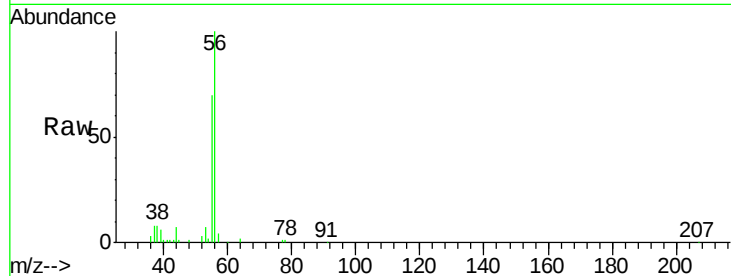
55 73.3 57.4 86.2

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 18.458 ug/l m

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

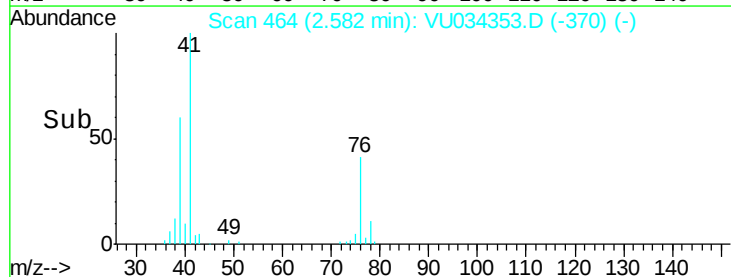
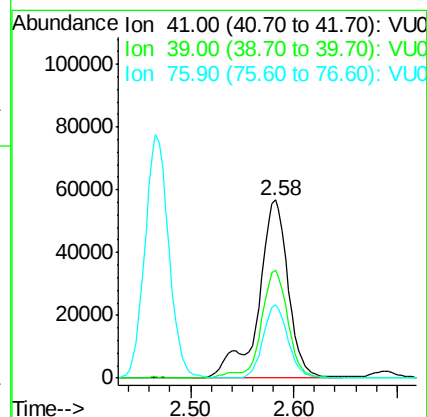
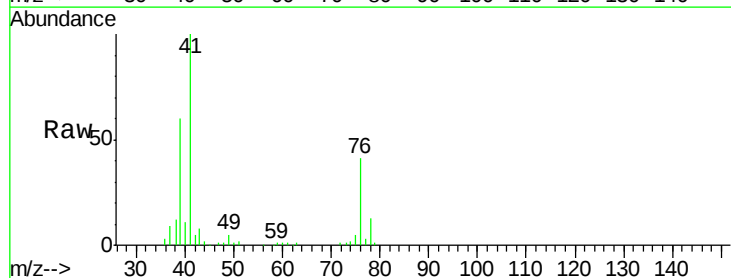
Tgt Ion: 41 Resp: 113566

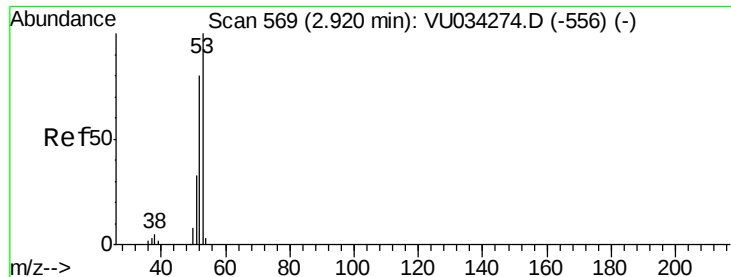
Ion Ratio Lower Upper

41 100

39 54.7 43.5 65.3

76 34.0 27.0 40.6





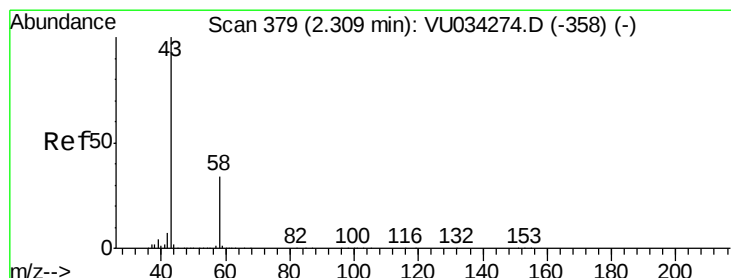
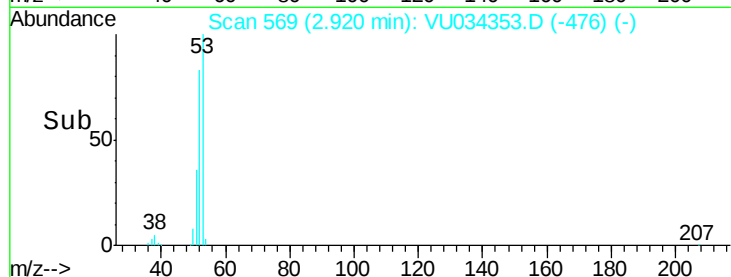
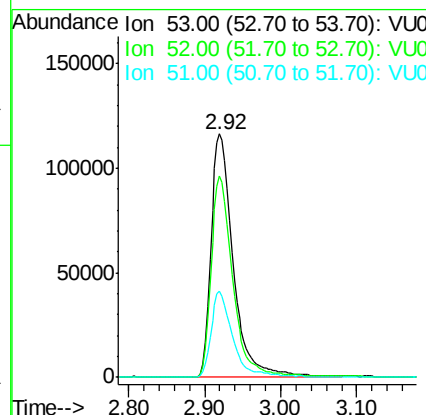
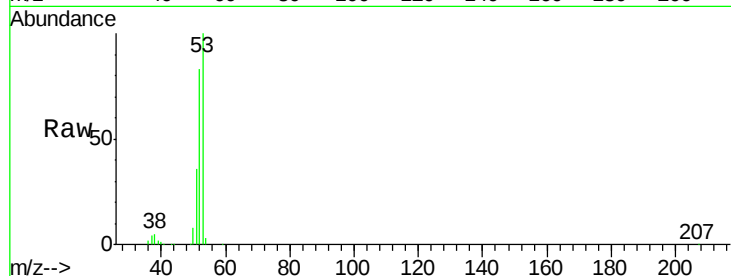
#15
 Acrylonitrile
 Concen: 101.076 ug/l
 RT: 2.92 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.1	96.1
51	34.3	27.4	41.0

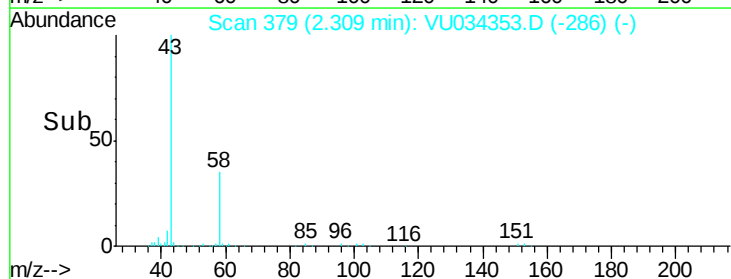
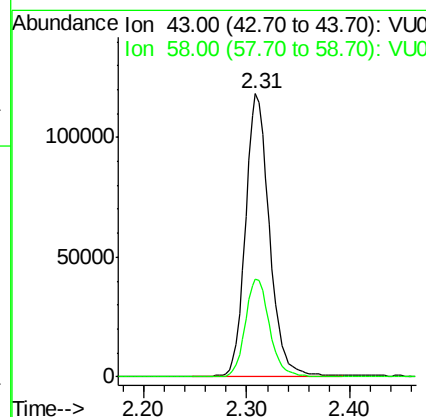
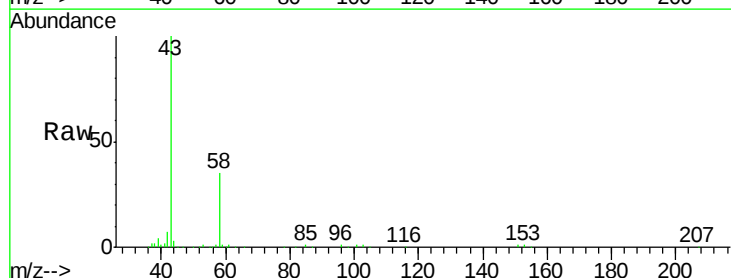
Manual Integrations
 APPROVED

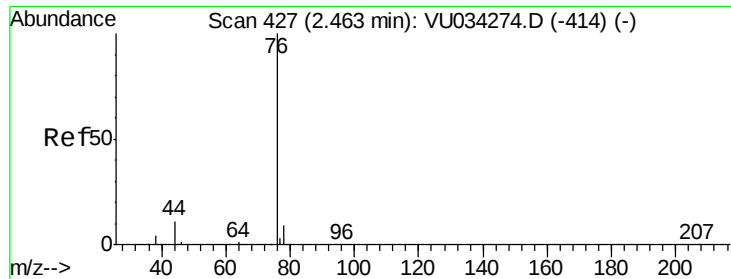
MMDadoda
 9/10/2019 1:30:53 PM



#16
 Acetone
 Concen: 82.181 ug/l
 RT: 2.31 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.6	41.4





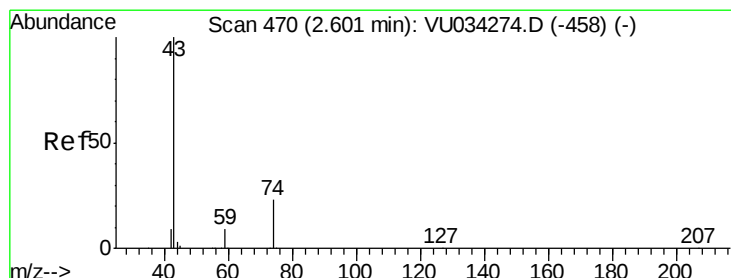
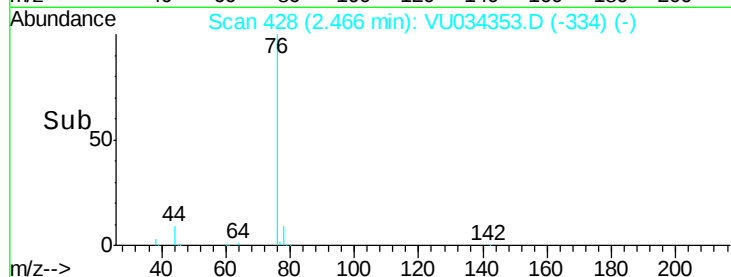
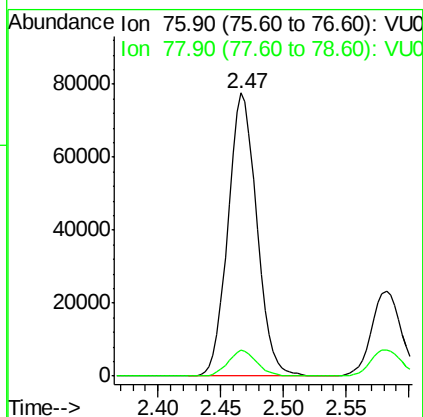
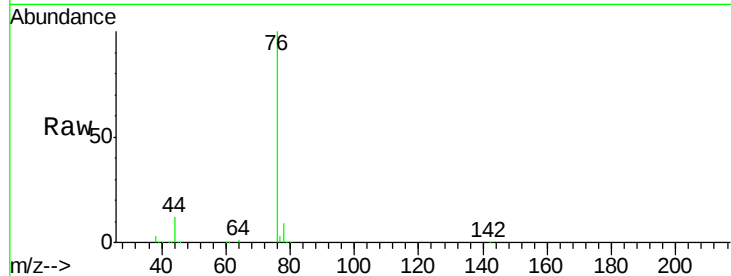
#17
Carbon Disulfide
Concen: 17.210 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

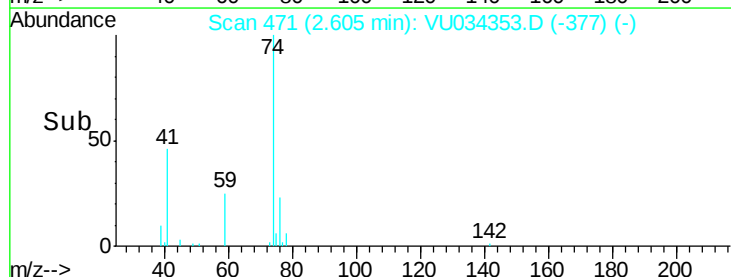
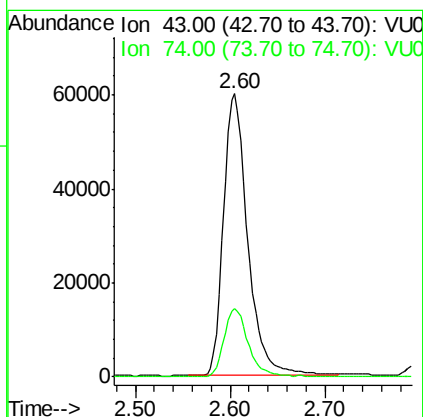
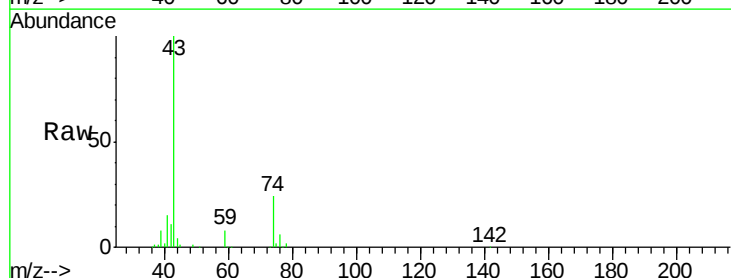
Manual Integrations
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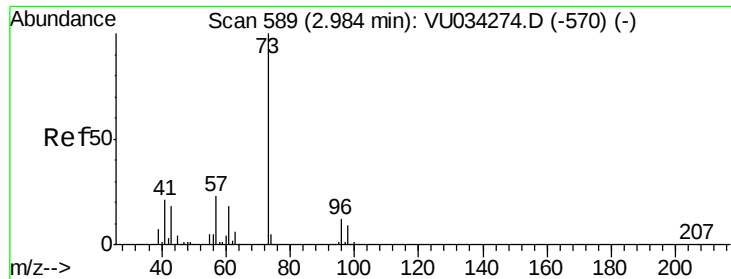
MMDadoda
9/10/2019 1:30:53 PM



#18
Methyl Acetate
Concen: 19.117 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.9	28.3





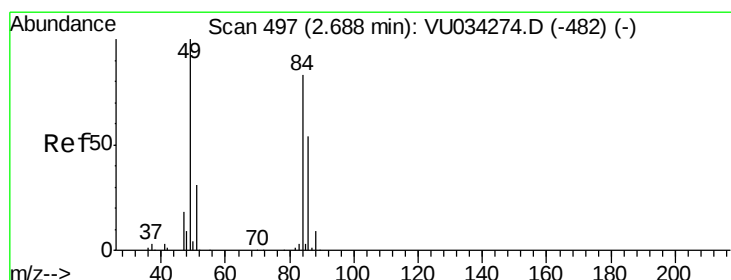
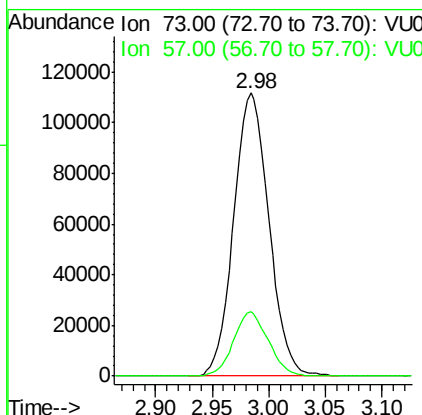
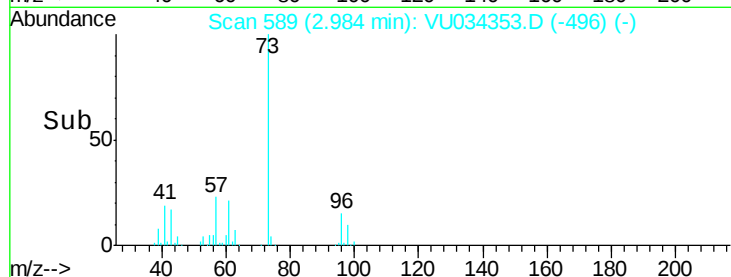
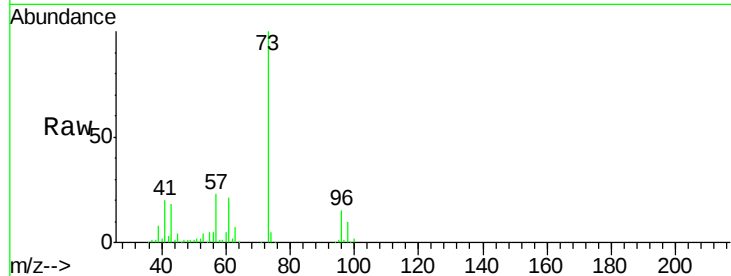
#19
Methvl tert-butvl Ether
Concen: 20.680 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion: 73 Resp: 242582
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4

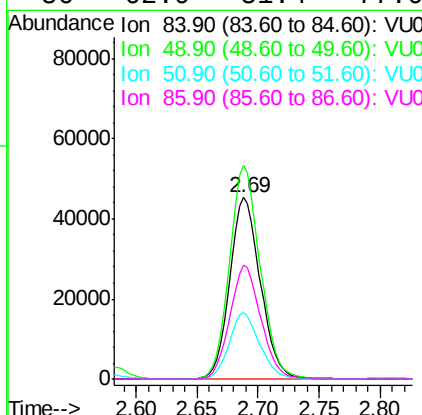
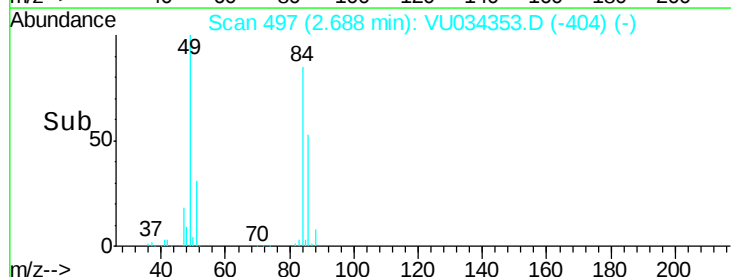
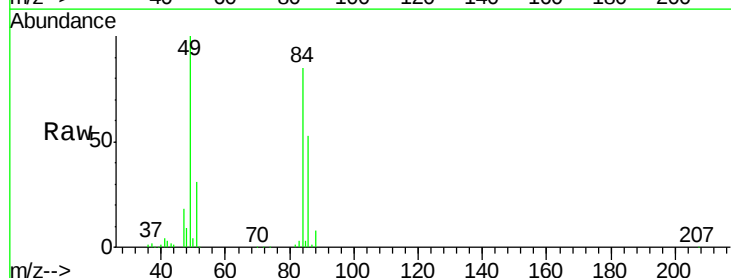
Manual Integrations
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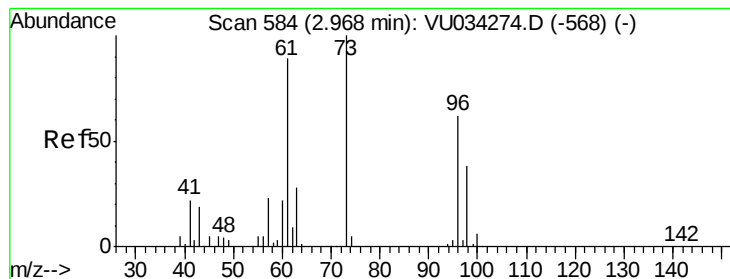
MMDadoda
9/10/2019 1:30:53 PM



#20
Methylene Chloride
Concen: 20.708 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion: 84 Resp: 79445
Ion Ratio Lower Upper
84 100
49 117.9 96.0 144.0
51 36.5 30.0 45.0
86 62.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.173 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion: 96 Resp: 65023

Ion Ratio Lower Upper

96 100

61 139.4 114.8 172.2

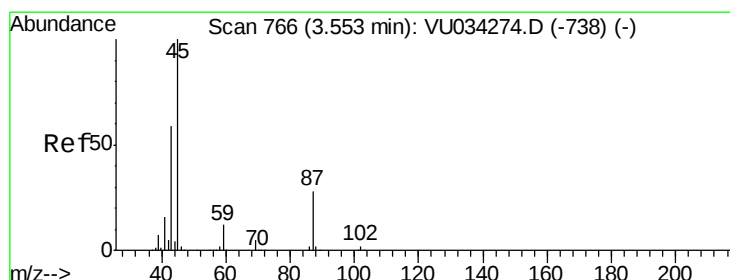
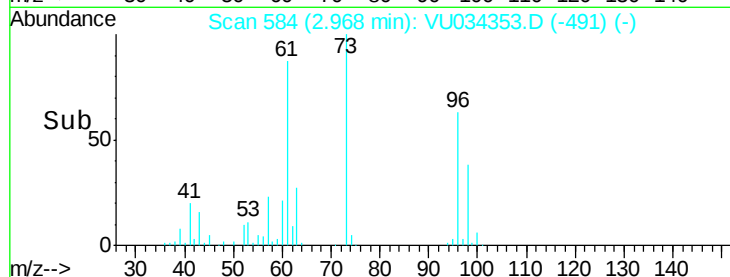
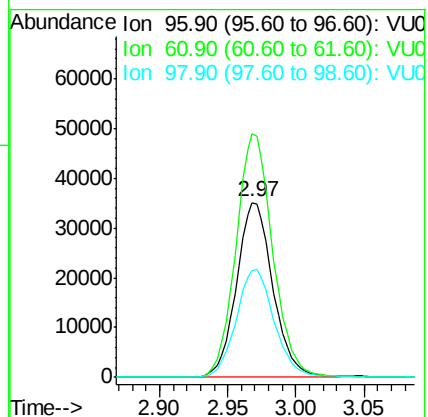
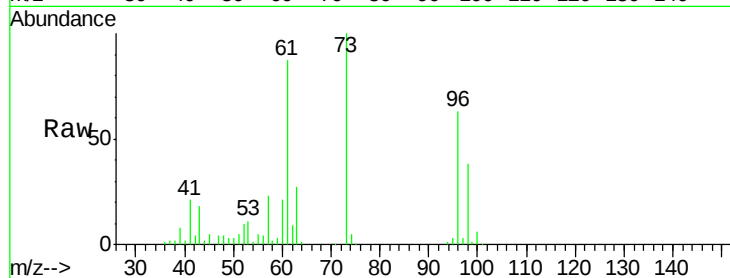
98 61.1 49.8 74.8

Manual Integrations

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9/10/2019 1:30:53 PM



#22

Diisopropyl ether

Concen: 20.324 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Tgt Ion: 45 Resp: 243858

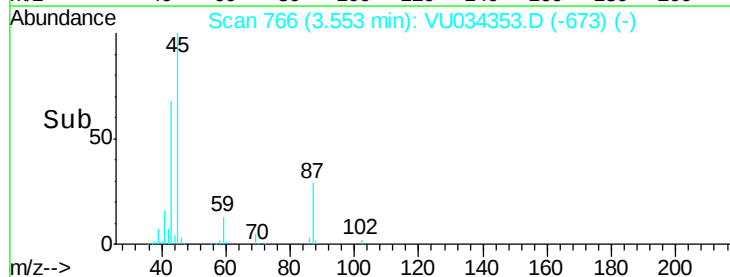
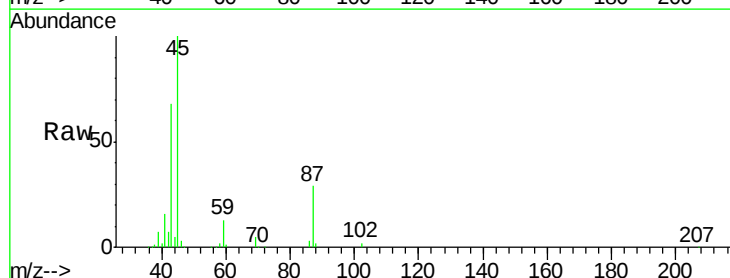
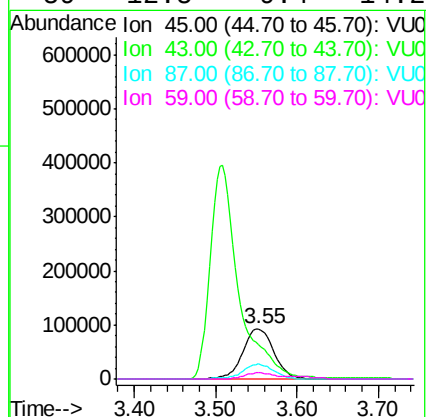
Ion Ratio Lower Upper

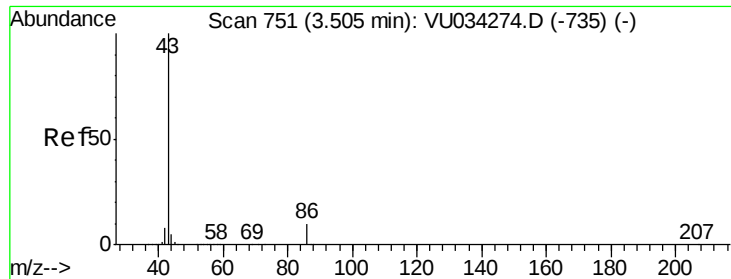
45 100

43 68.1 47.5 71.3

87 29.2 22.2 33.4

59 12.5 9.4 14.2





#23

Vinyl Acetate

Concen: 100.139 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion: 43 Resp: 978732

Ion Ratio Lower Upper

43 100

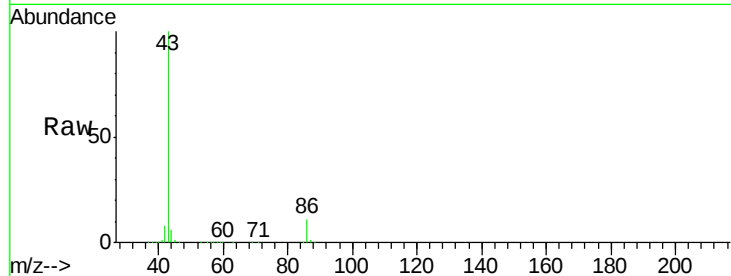
86 10.7 8.3 12.5

Manual Integrations

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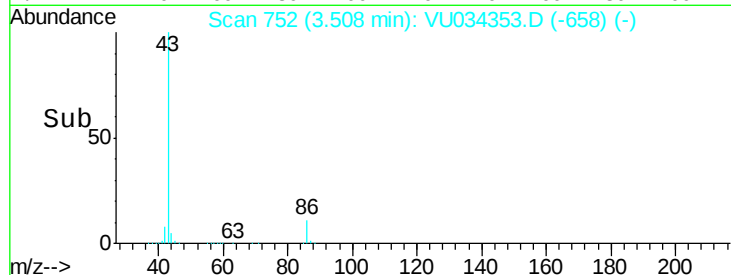
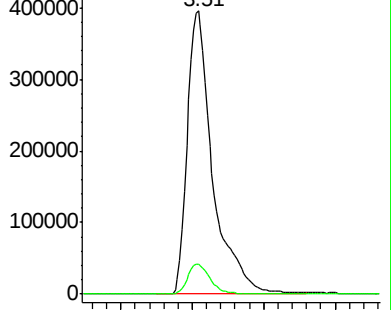
MMDadoda

9/10/2019 1:30:53 PM

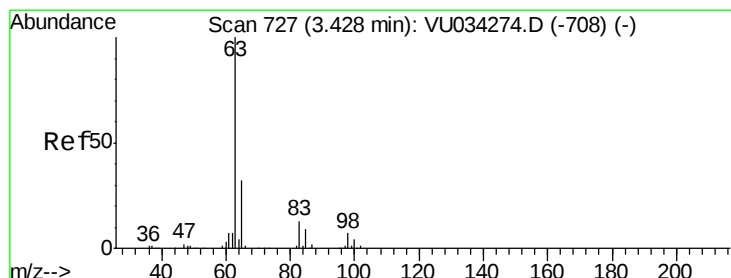


Abundance Ion 43.00 (42.70 to 43.70): VU034353.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034353.D (-658) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 19.157 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

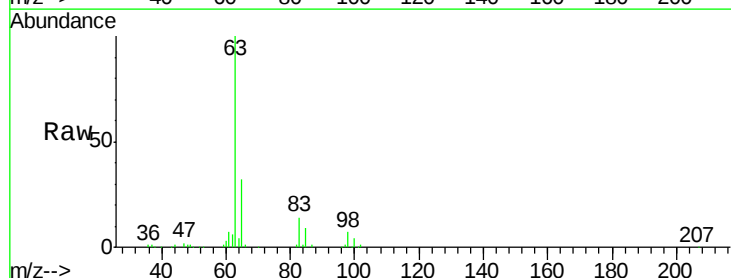
Tgt Ion: 63 Resp: 137270

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

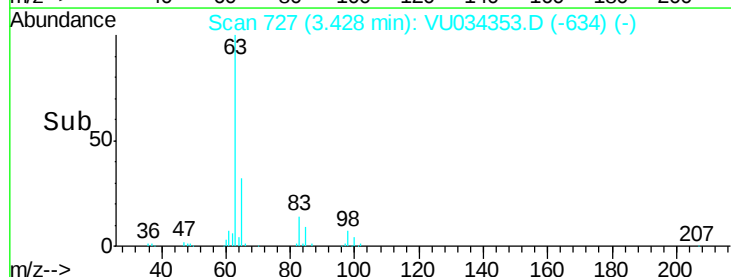
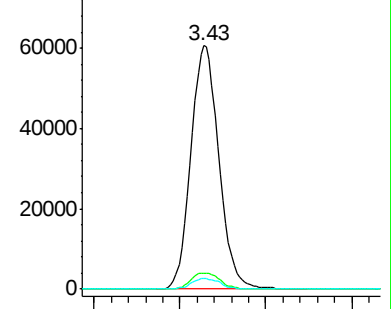
100 4.4 2.1 6.5



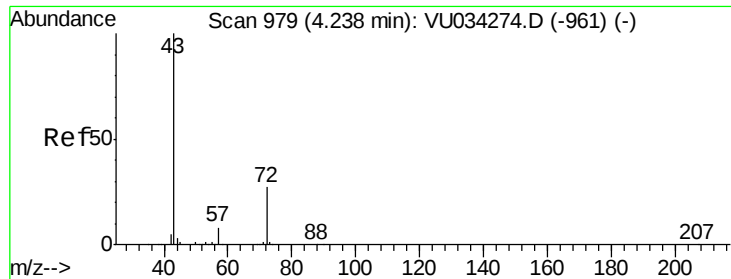
Abundance Ion 62.90 (62.60 to 63.60): VU034353.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034353.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034353.D (-634) (-)



Time-->



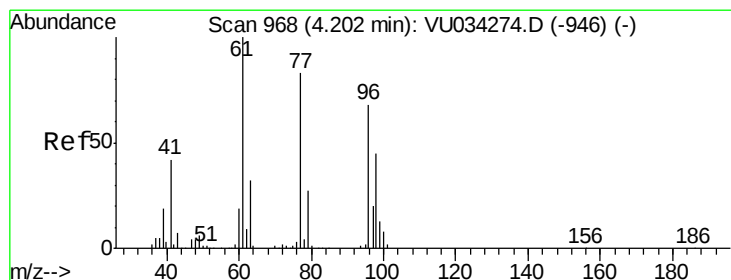
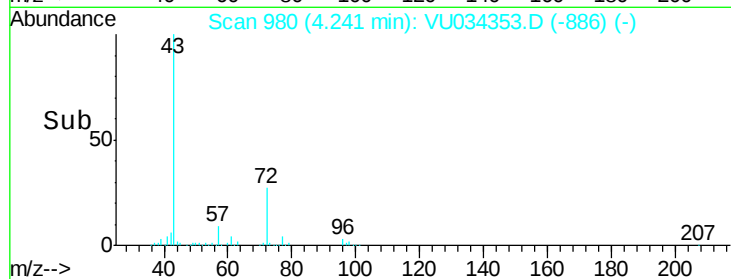
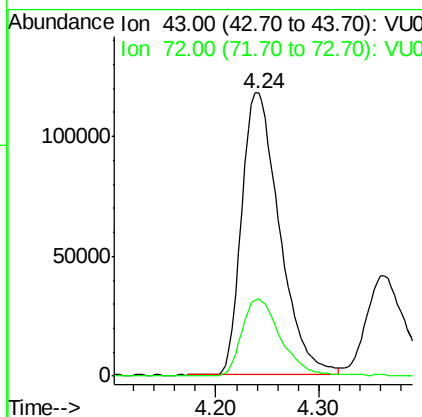
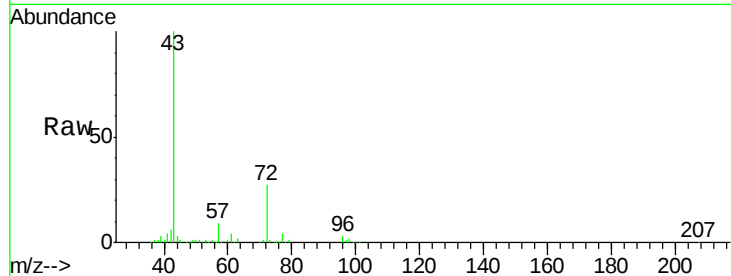
#25
2-Butanone
Concen: 97.293 ug/l
RT: 4.24 min Scan# 980
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion: 43 Resp: 300795
Ion Ratio Lower Upper
43 100
72 27.3 21.8 32.6

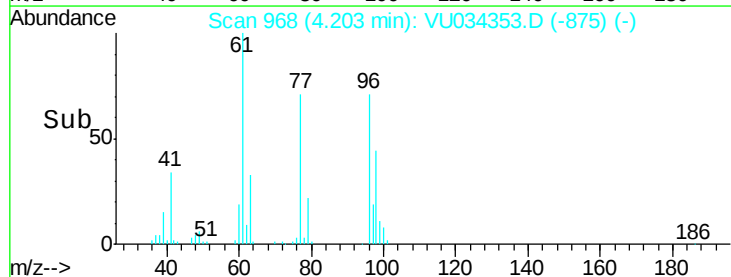
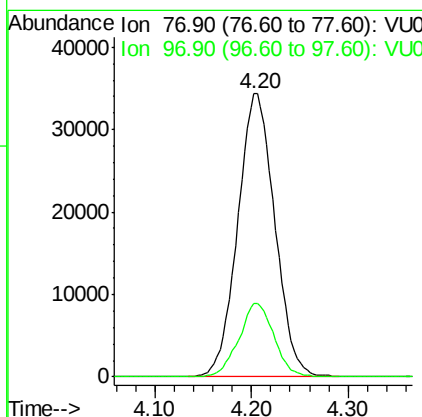
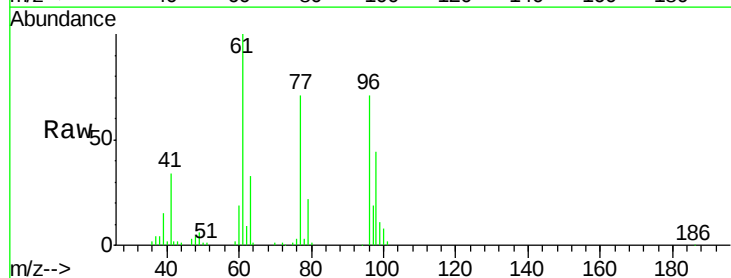
Manual Integrations
APPROVED

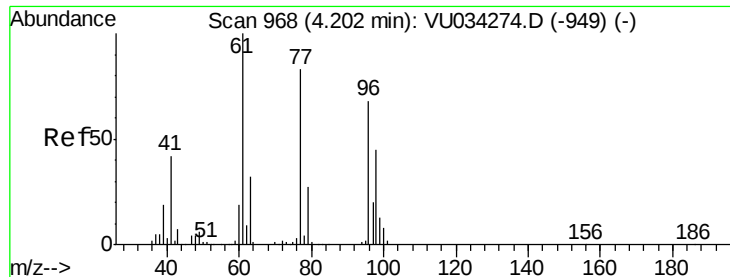
MMDadoda
9/10/2019 1:30:53 PM



#26
2,2-Dichloropropane
Concen: 15.858 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion: 77 Resp: 91392
Ion Ratio Lower Upper
77 100
97 24.6 11.8 35.3





#27

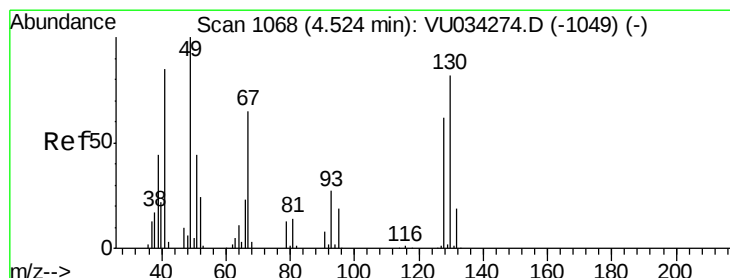
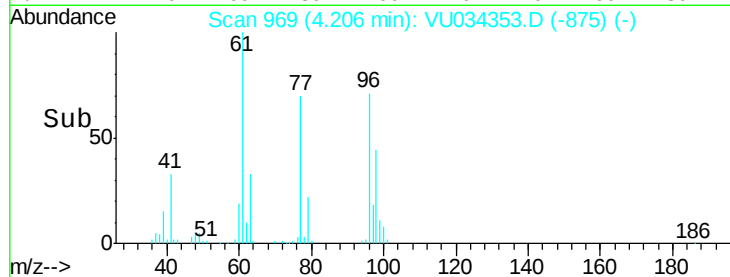
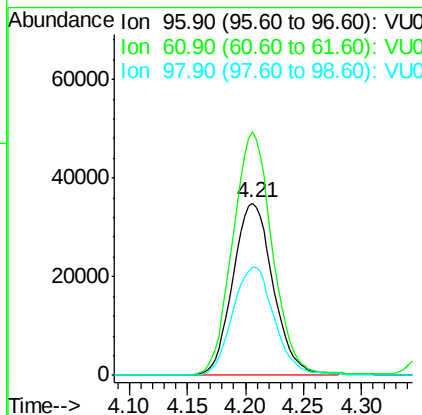
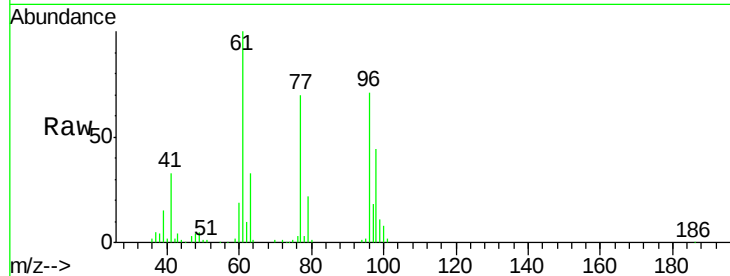
cis-1,2-Dichloroethene
 Concen: 20.428 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	297.4
98	65.6	0.0	130.0

Manual Integrations
 APPROVED

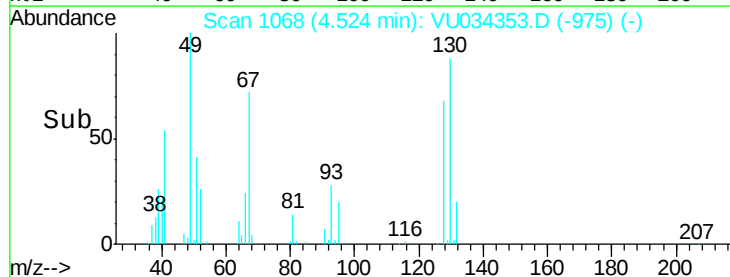
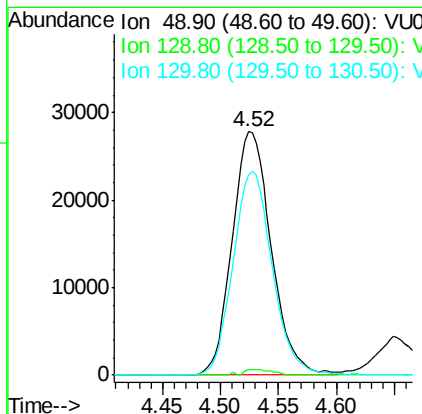
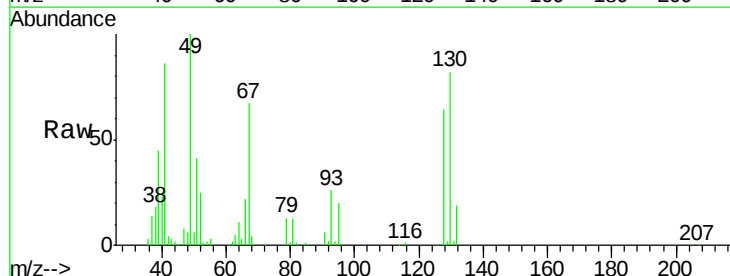
MMDadoda
 9/10/2019 1:30:53 PM

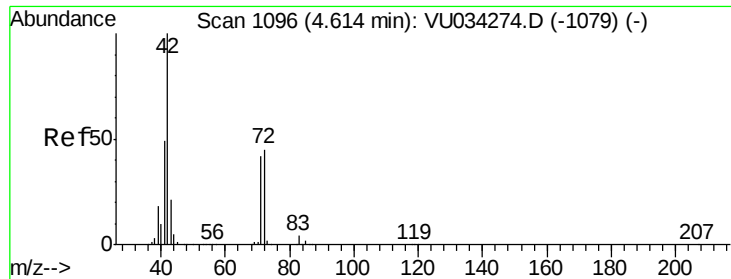


#28

Bromochloromethane
 Concen: 19.738 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	84.0	65.2	97.8





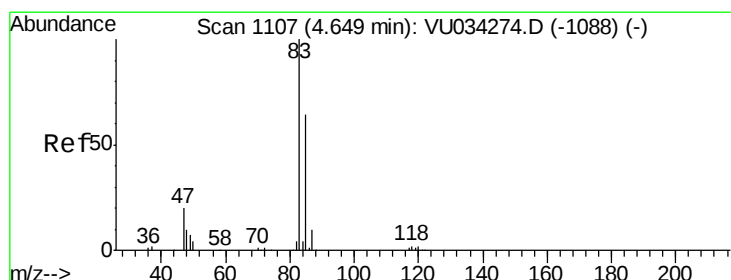
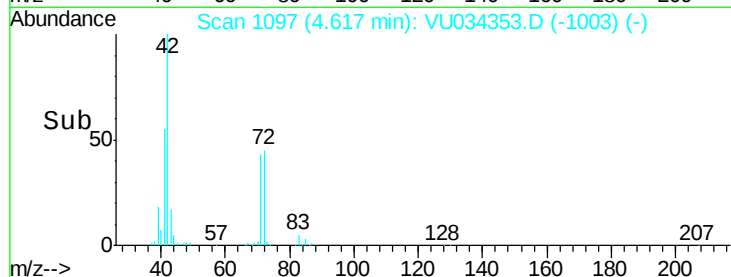
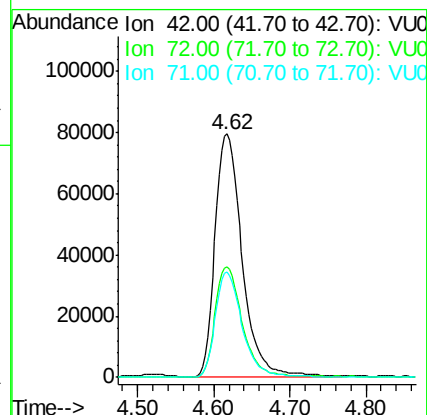
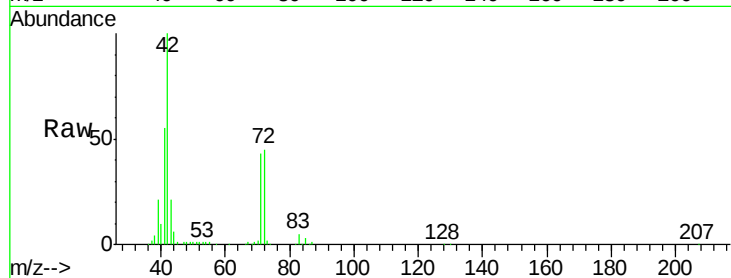
#29
Tetrahydrofuran
Concen: 104.634 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.6	54.8
71	42.9	34.3	51.5

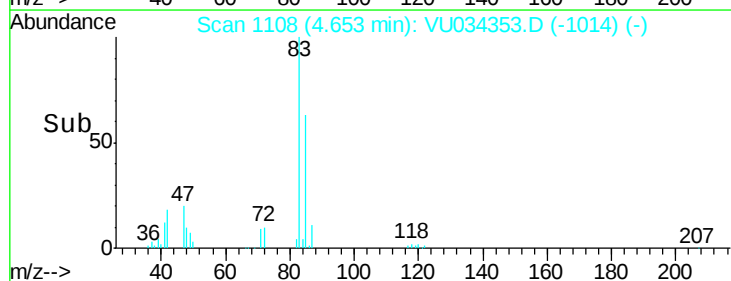
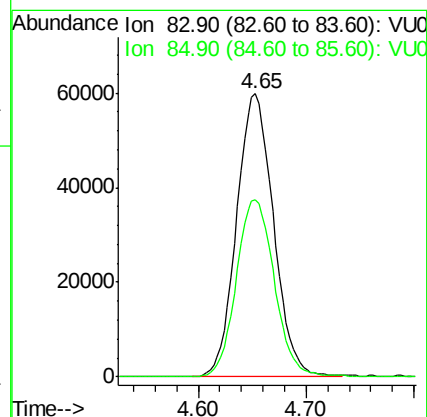
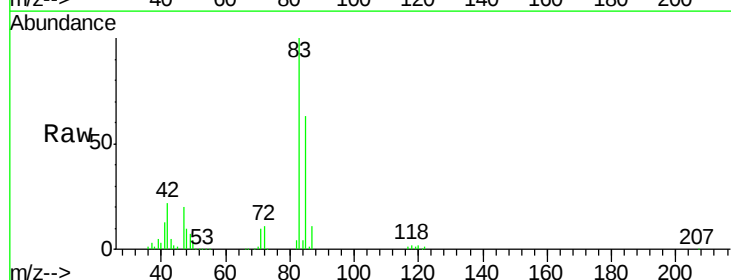
Manual Integrations
APPROVED

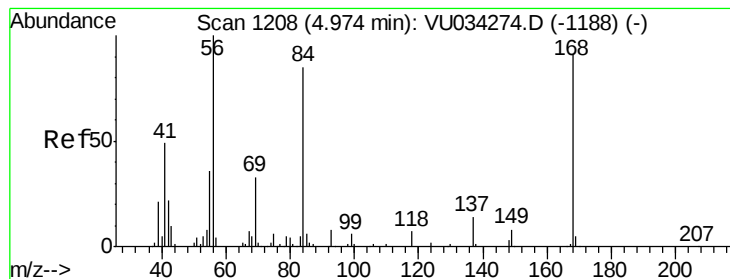
MMDadoda
9/10/2019 1:30:53 PM



#30
Chloroform
Concen: 19.524 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.5	77.3





#31

Cyclohexane

Concen: 19.620 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion: 56 Resp: 102852

Ion Ratio Lower Upper

56 100

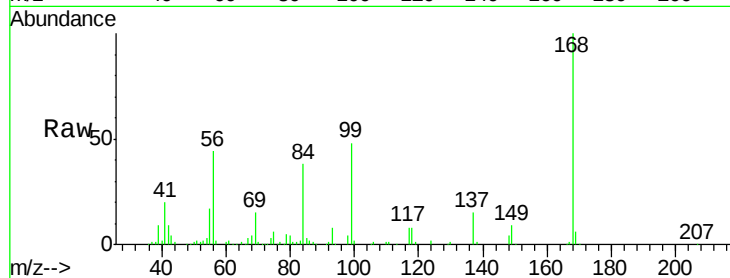
69 35.2 26.7 40.1

84 85.5 68.2 102.4

Manual Integrations
APPROVED

MMDadoda

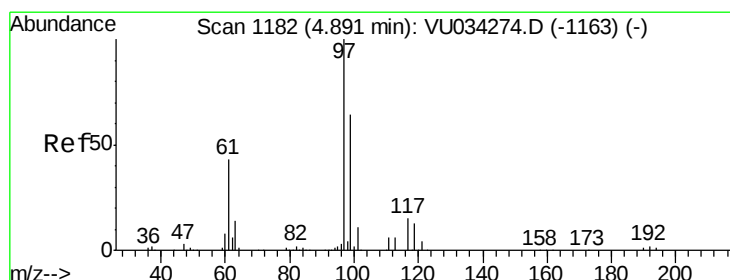
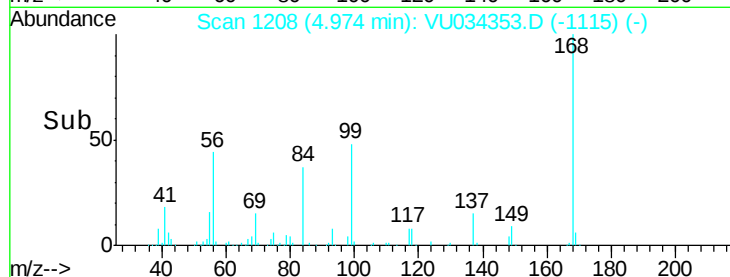
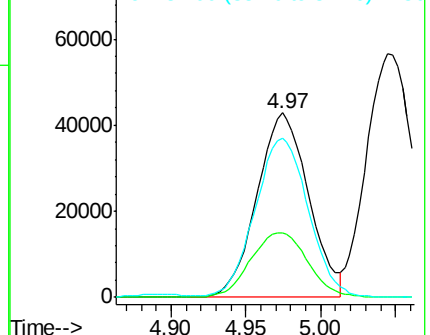
9/10/2019 1:30:53 PM



Abundance Ion 56.00 (55.70 to 56.70): VU034353.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034353.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034353.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 19.495 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

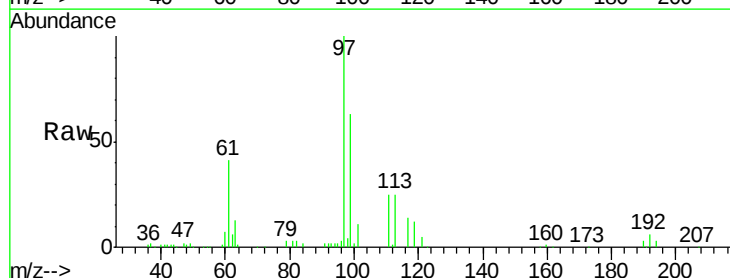
Tgt Ion: 97 Resp: 113526

Ion Ratio Lower Upper

97 100

99 63.2 50.9 76.3

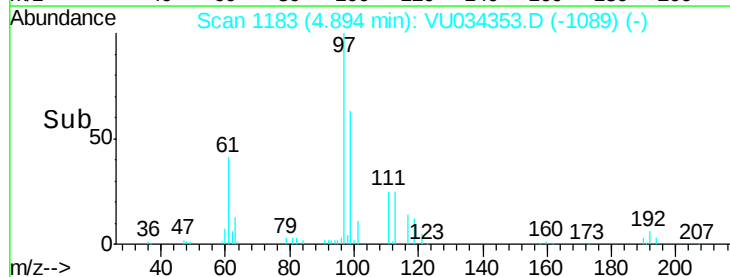
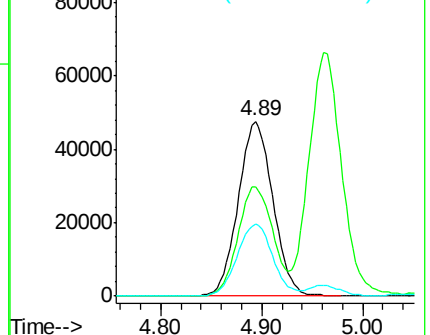
61 42.4 34.7 52.1

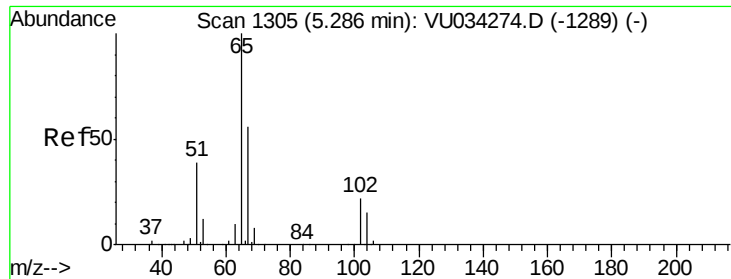


Abundance Ion 96.90 (96.60 to 97.60): VU034353.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034353.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034353.D (-1089) (-)





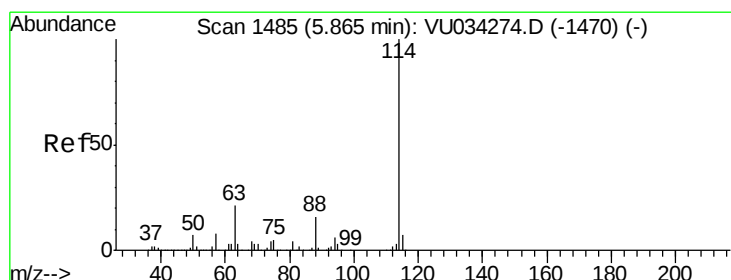
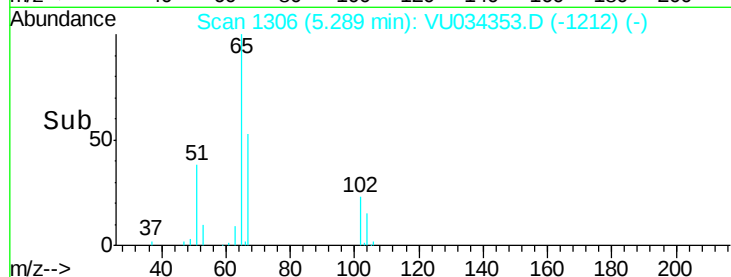
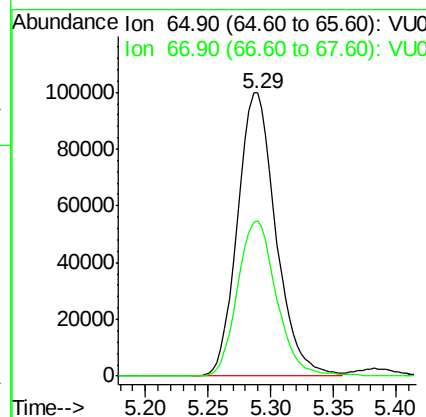
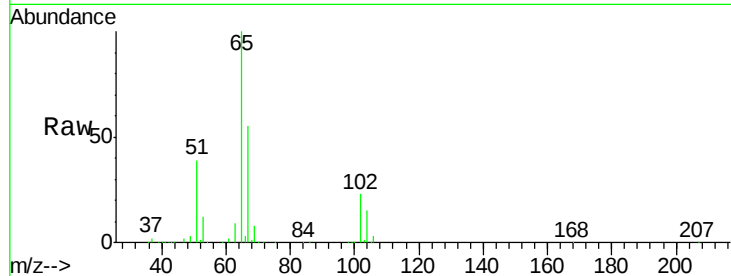
#33
 1,2-Dichloroethane-d4
 Concen: 47.512 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212642		
67	56.0	0.0	112.4	

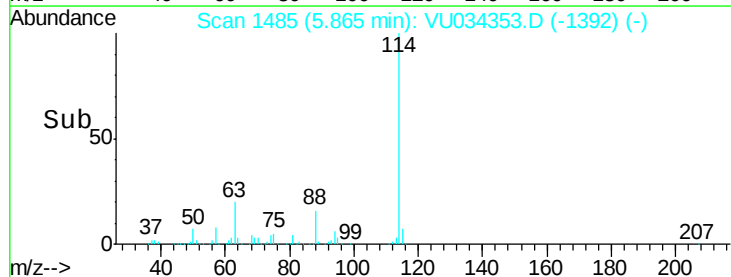
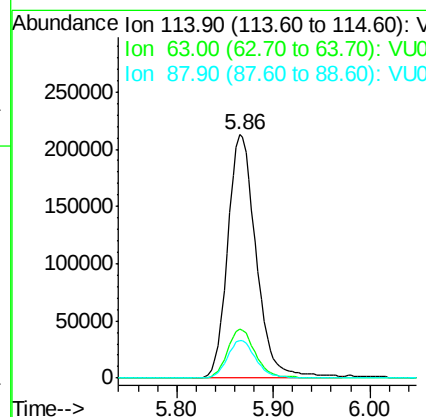
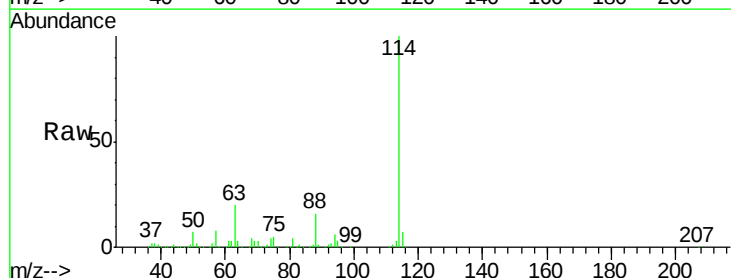
Manual Integrations
 APPROVED

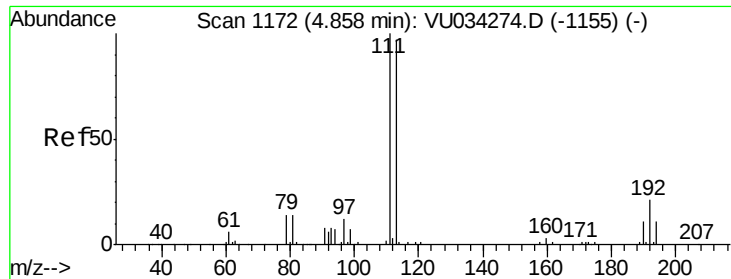
MMDadoda
 9/10/2019 1:30:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	435608		
63	20.0	0.0	42.4	
88	15.6	0.0	32.4	





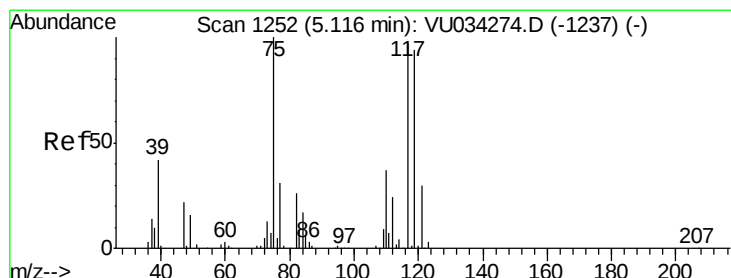
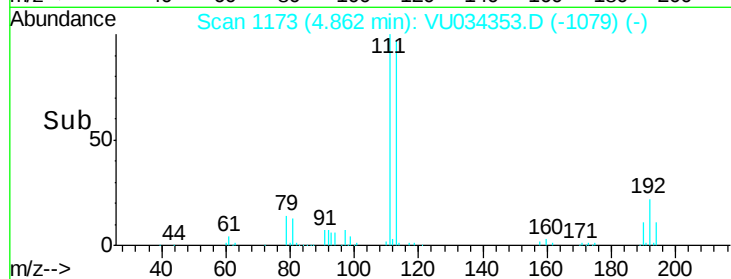
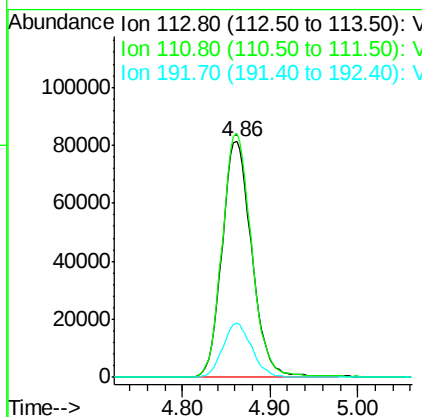
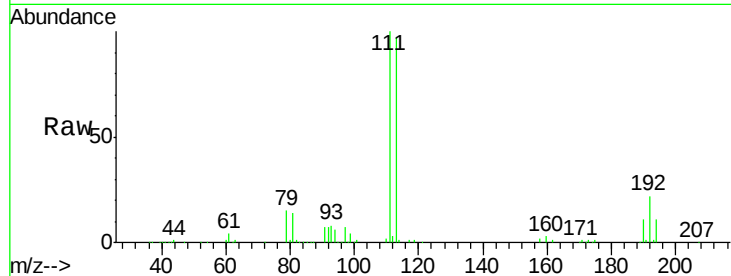
#35
 Dibromofluoromethane
 Concen: 47.345 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191905		
111	102.4	81.5	122.3	
192	22.5	17.8	26.8	

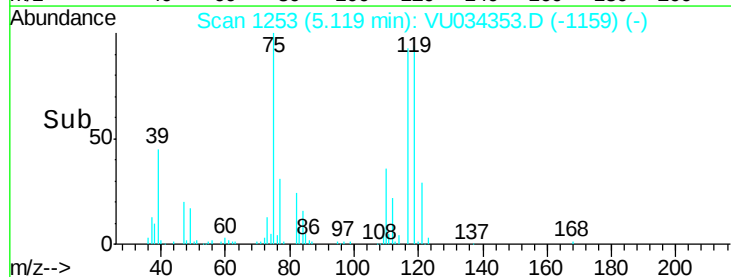
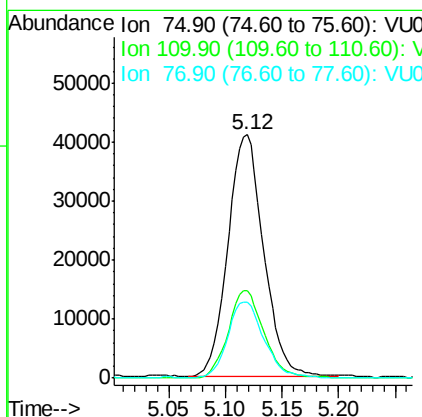
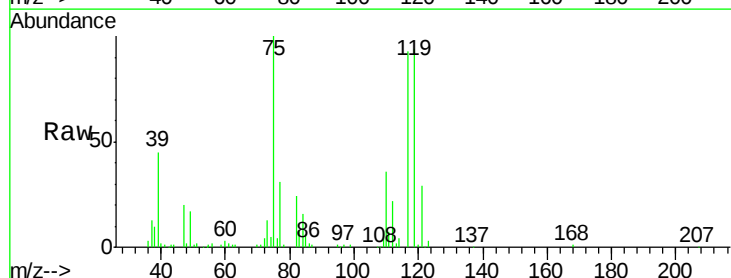
Manual Integrations
 APPROVED

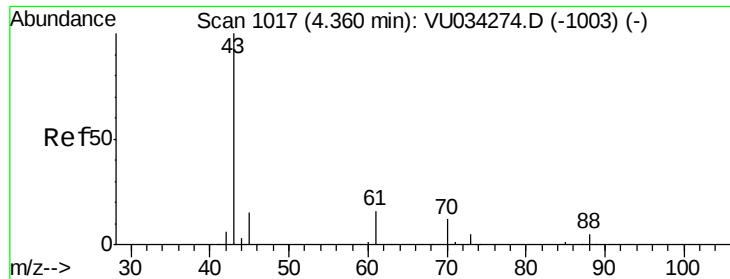
MMDadoda
 9/10/2019 1:30:53 PM



#36
 1,1-Dichloropropene
 Concen: 19.196 ug/l
 RT: 5.12 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90685		
110	36.2	18.3	54.9	
77	32.0	24.9	37.3	





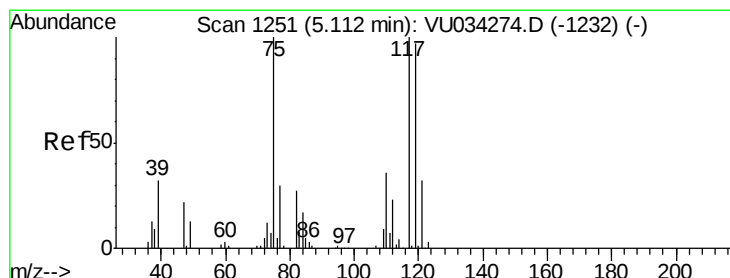
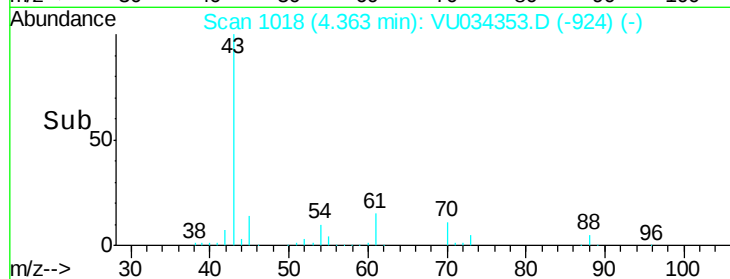
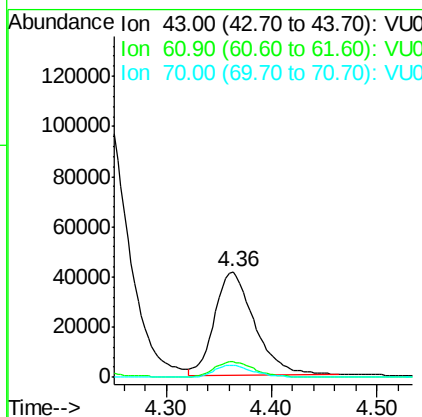
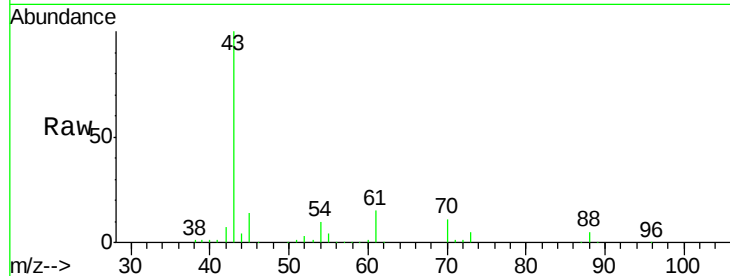
#37
Ethyl Acetate
Concen: 19.281 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.3	18.5
70	11.5	9.1	13.7

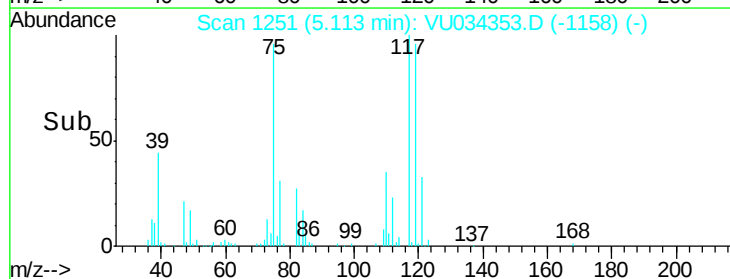
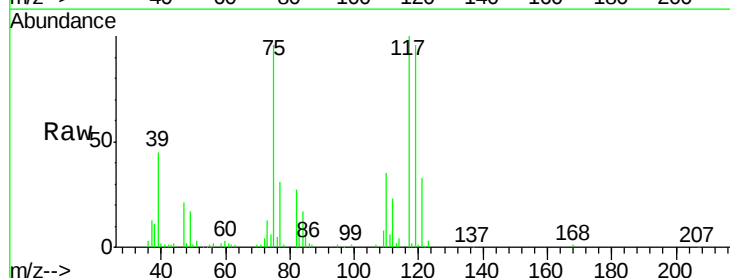
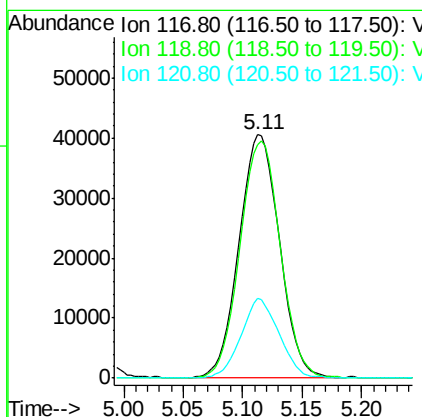
Manual Integrations
APPROVED

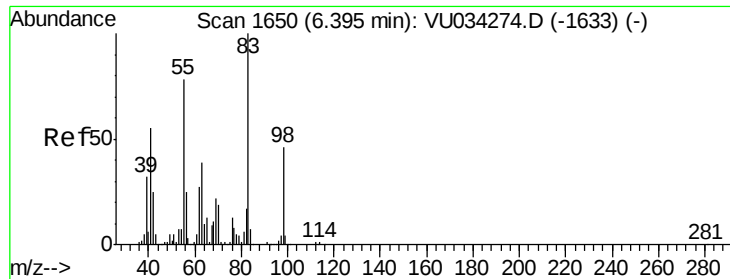
MMDadoda
9/10/2019 1:30:53 PM



#38
Carbon Tetrachloride
Concen: 18.788 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.8	116.6
121	32.8	25.2	37.8





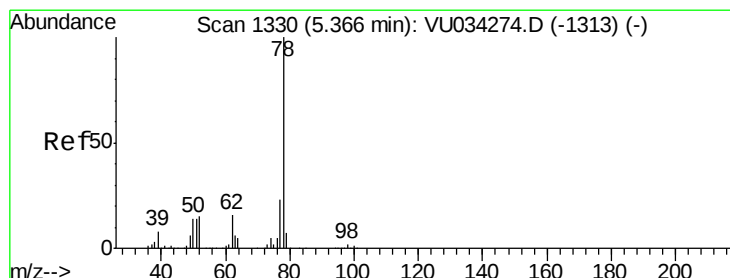
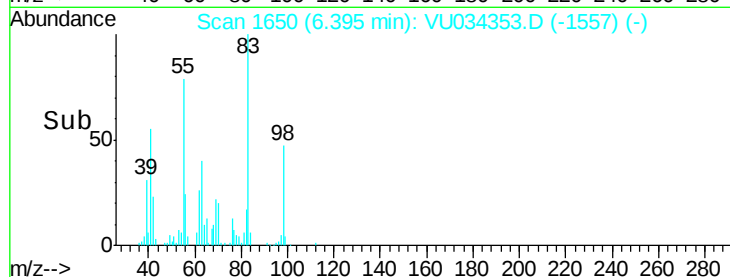
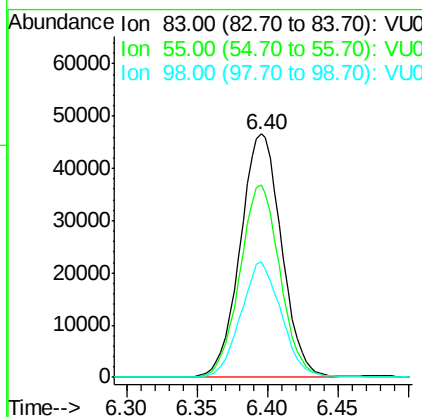
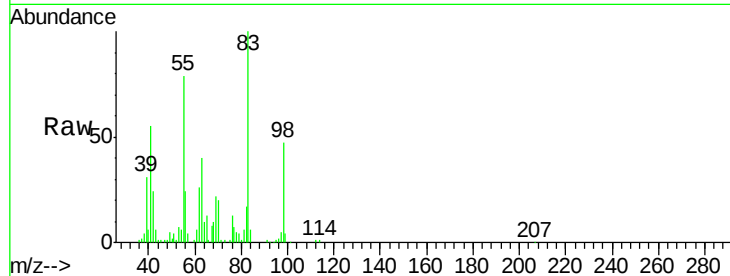
#39
Methvlcvclohexane
Concen: 18.922 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.1	93.1
98	47.5	37.0	55.6

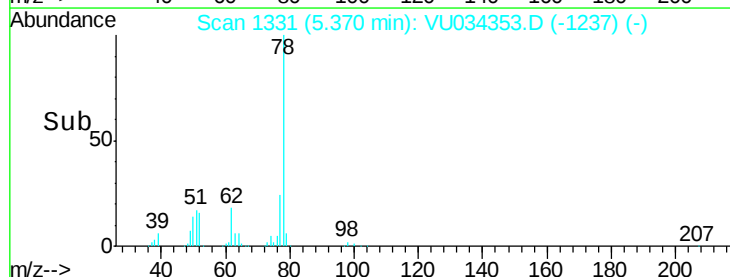
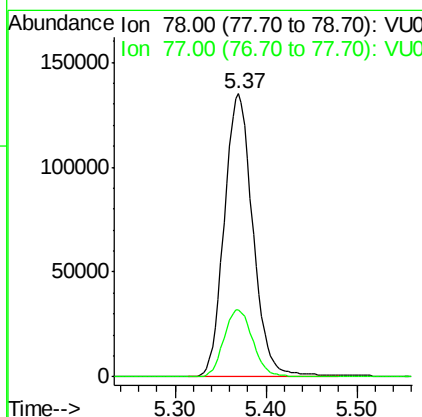
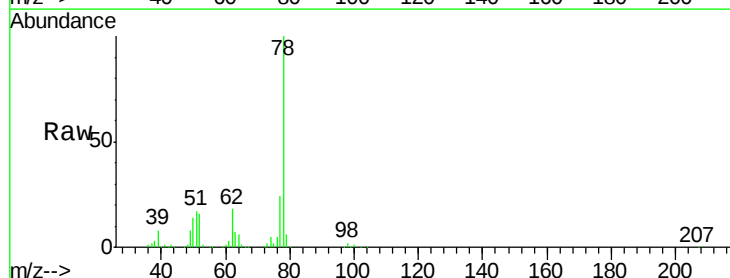
Manual Integrations
APPROVED

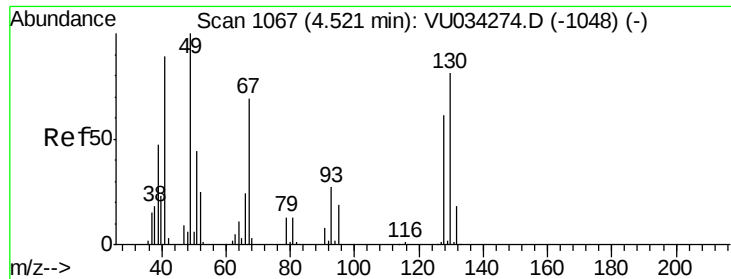
MMDadoda
9/10/2019 1:30:53 PM



#40
Benzene
Concen: 19.440 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





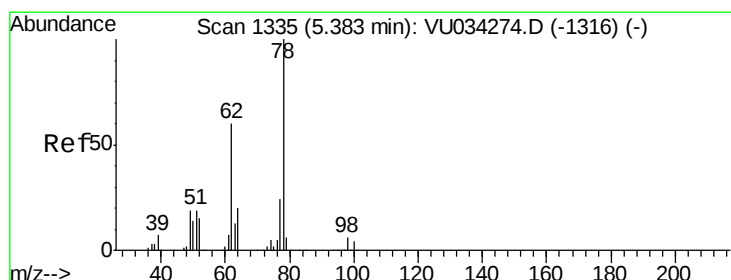
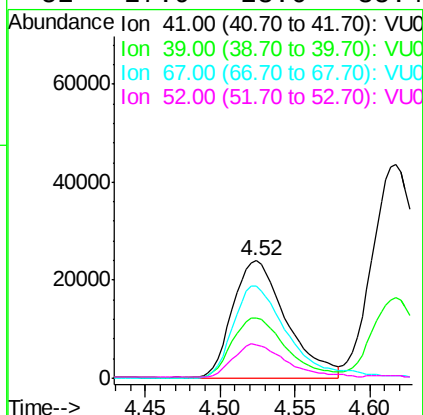
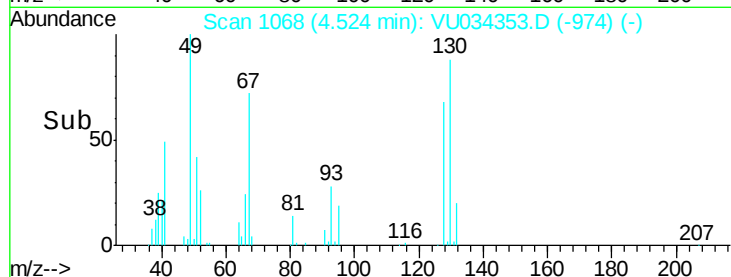
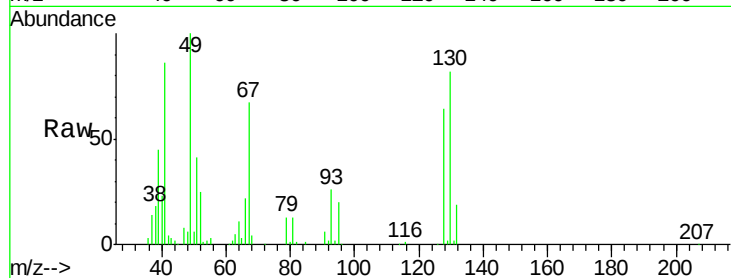
#41
Methacrylonitrile
Concen: 19.989 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	41.0	61.4	
67	81.9	62.4	93.6	
52	27.9	23.6	35.4	

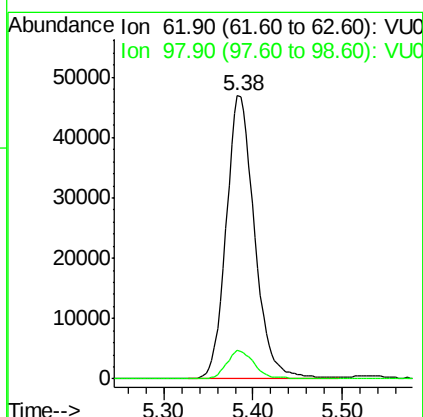
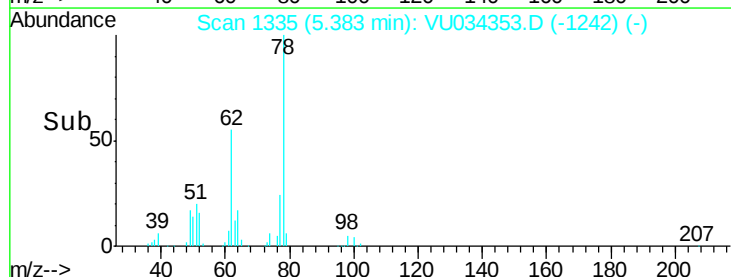
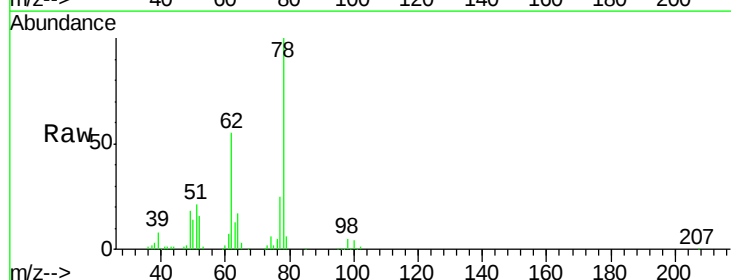
Manual Integrations
APPROVED

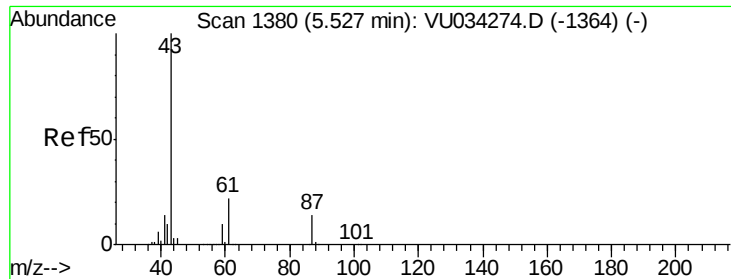
MMDadoda
9/10/2019 1:30:53 PM



#42
1,2-Dichloroethane
Concen: 19.574 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.0	





#43

Isopropyl Acetate

Concen: 19.655 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

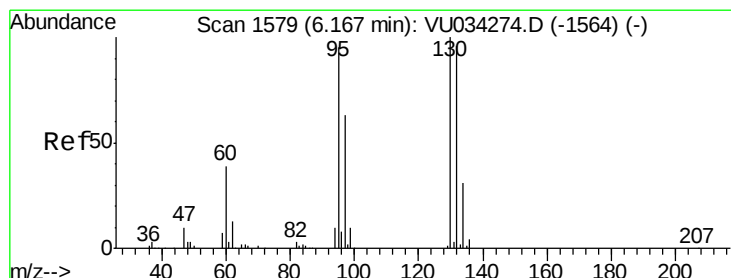
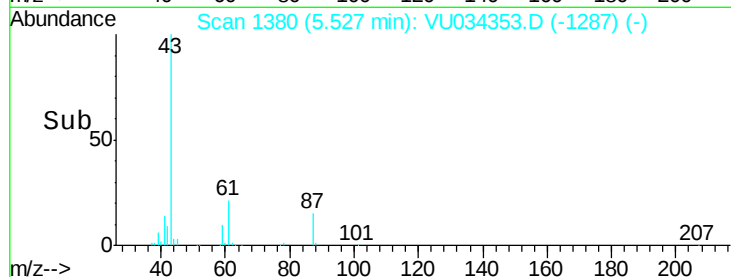
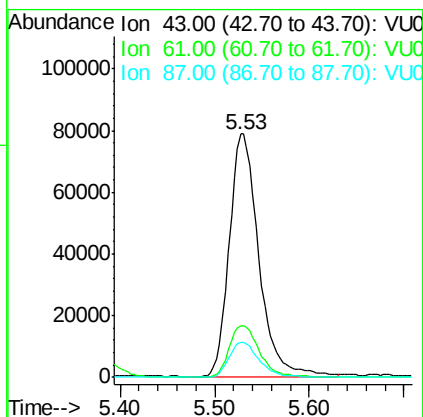
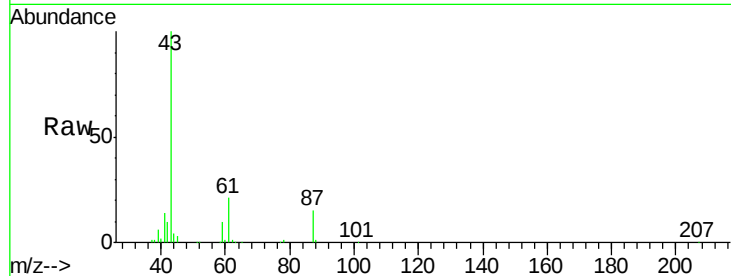
ClientSampleId :

VU0907WBSD02

Tot Ion:	43	Resp:	171259
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.1	25.7
87	14.7	11.1	16.7

Manual Integrations
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#44

Trichloroethene

Concen: 19.801 ug/l

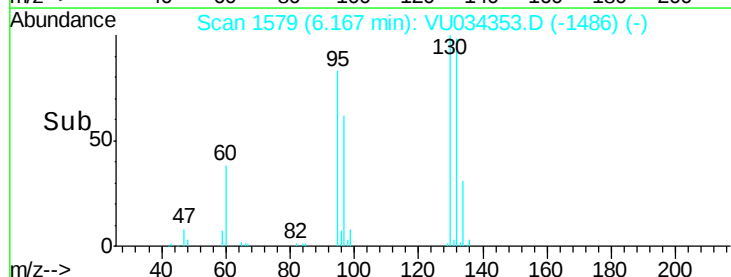
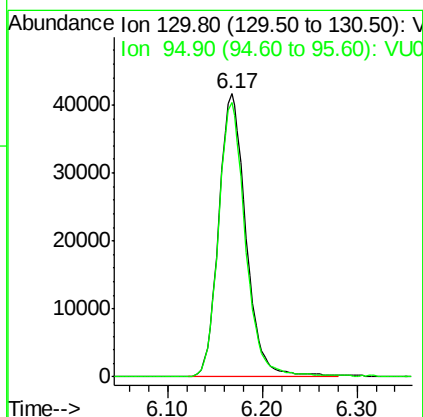
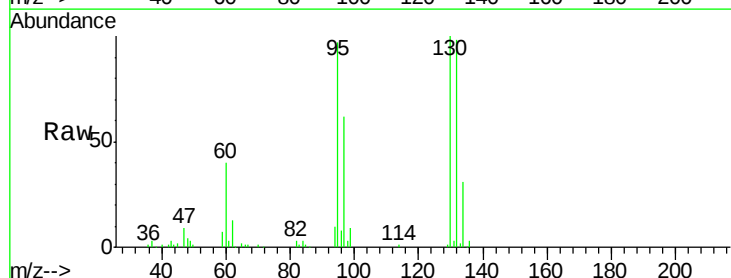
RT: 6.17 min Scan# 1579

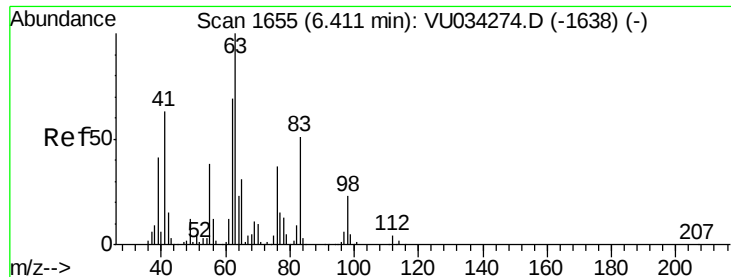
Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Tgt Ion:	130	Resp:	83527
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	189.2





#45

1,2-Dichloropropane

Concen: 19.340 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion: 63 Resp: 86187

Ion Ratio Lower Upper

63 100

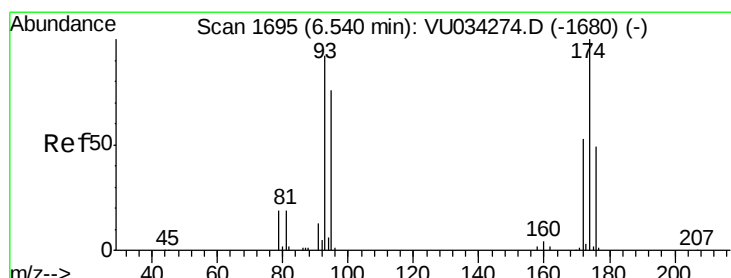
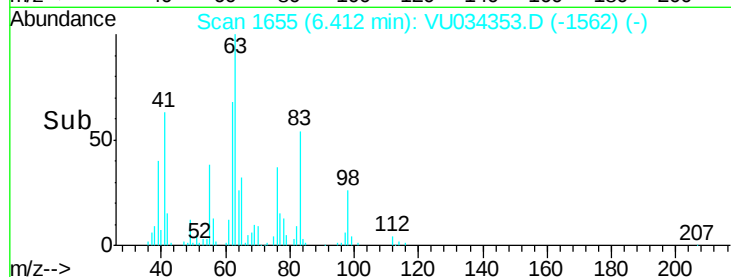
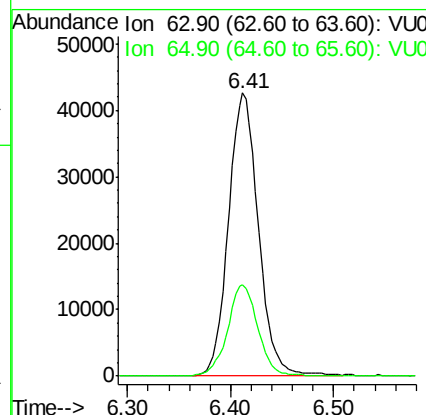
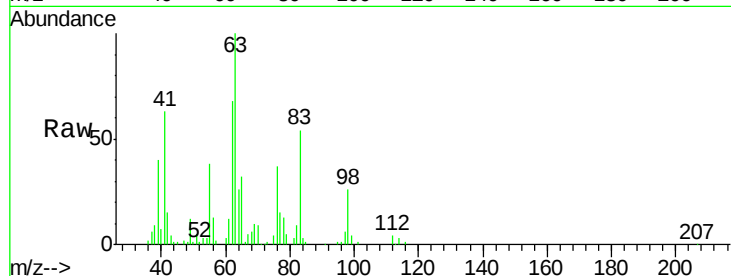
65 32.3 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.471 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

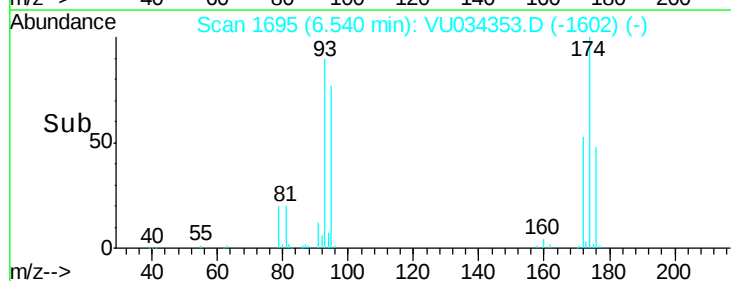
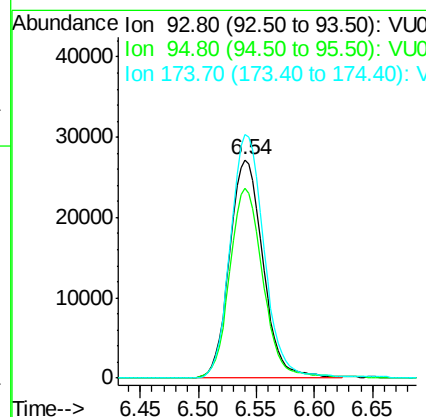
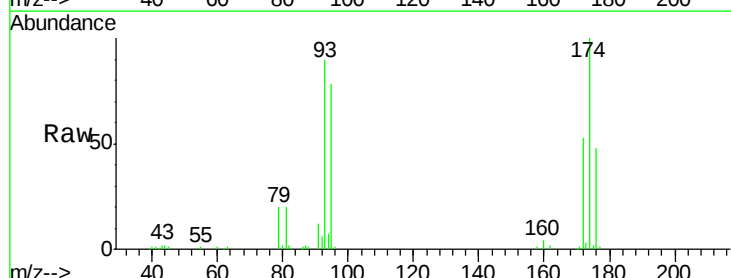
Tgt Ion: 93 Resp: 54466

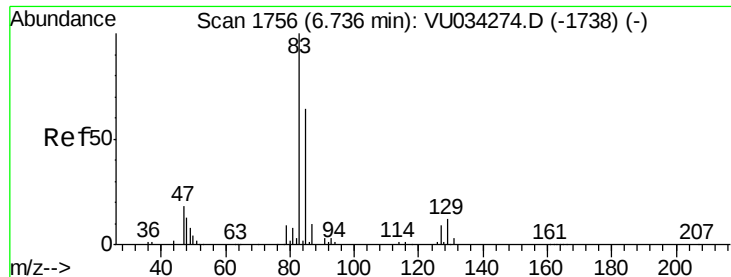
Ion Ratio Lower Upper

93 100

95 85.2 66.5 99.7

174 111.5 87.8 131.6





#47

Bromodichloromethane

Concen: 19.205 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

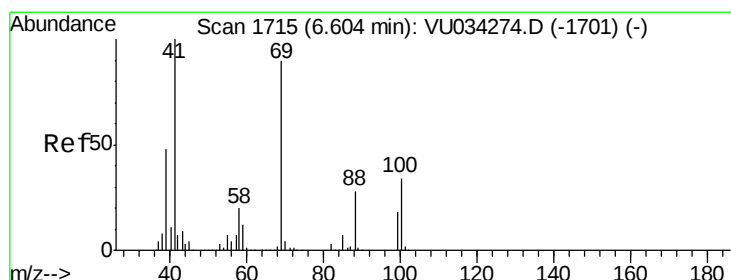
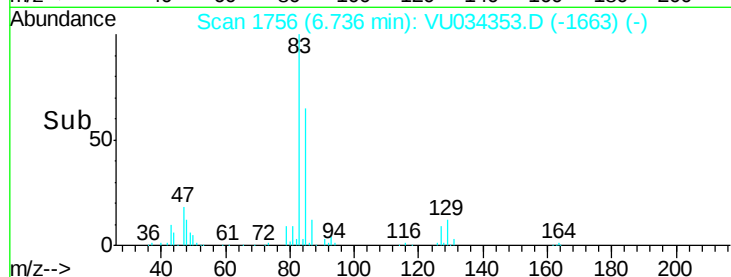
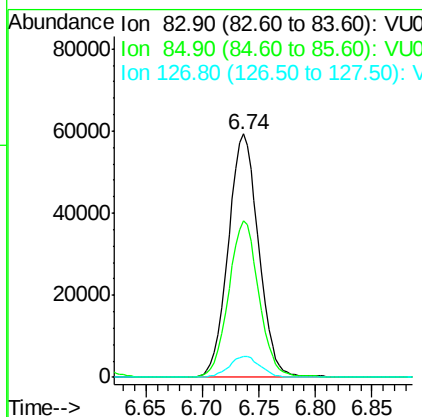
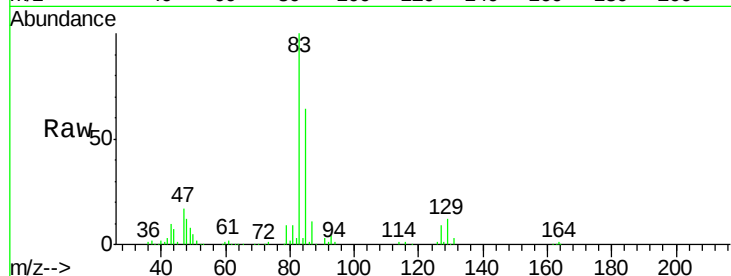
ClientSampleId :

VU0907WBSD02

Tot Ion:	83	Resp:	110584
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	8.6	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.808 ug/l

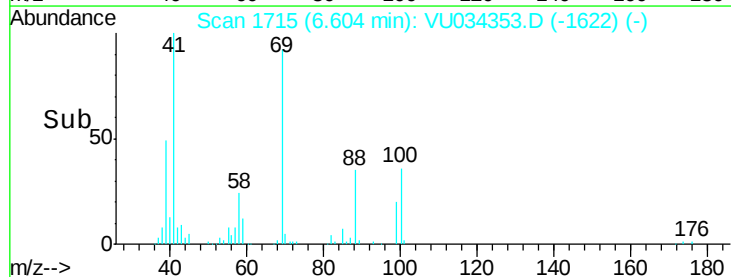
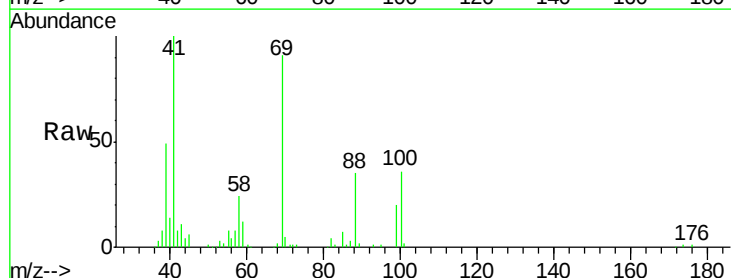
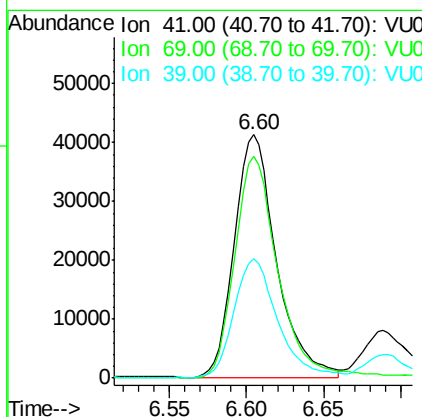
RT: 6.60 min Scan# 1715

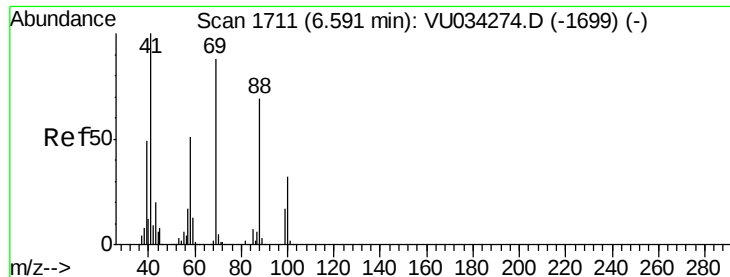
Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Tgt Ion:	41	Resp:	77836
Ion	Ratio	Lower	Upper
41	100		
69	95.5	72.8	109.2
39	50.4	38.6	58.0





#49

1,4-Dioxane

Concen: 430.651 ug/l

RT: 6.59 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

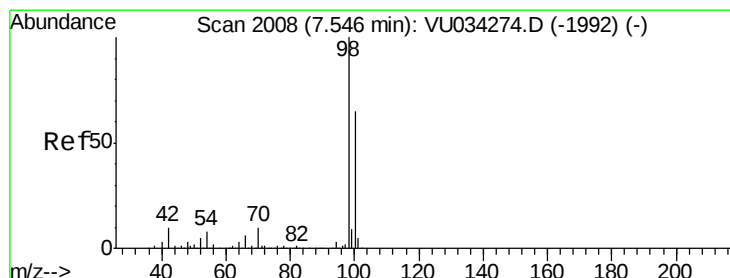
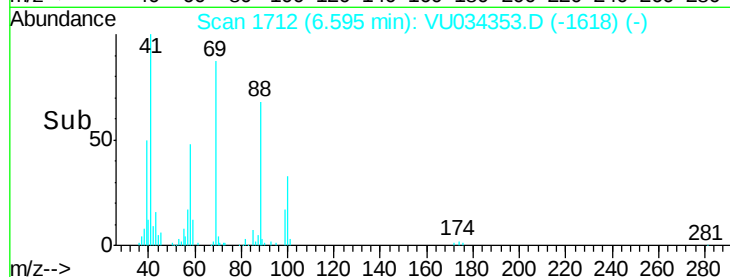
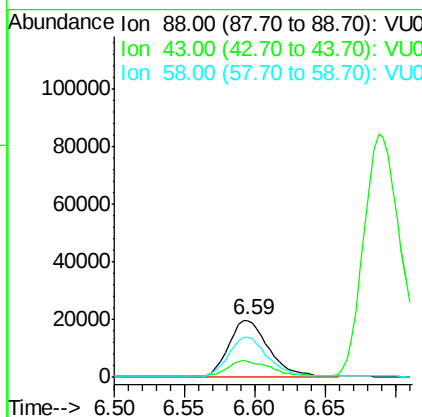
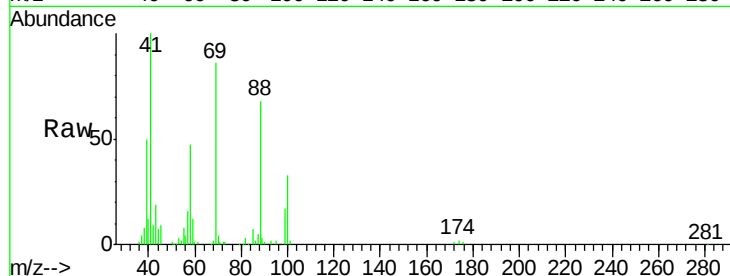
ClientSampleId :

VU0907WBSD02

Tot Ion:	88	Resp:	38918
Ion	Ratio	Lower	Upper
88	100		
43	29.2	23.8	35.6
58	71.5	58.4	87.6

Manual Integrations
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#50

Toluene-d8

Concen: 49.317 ug/l

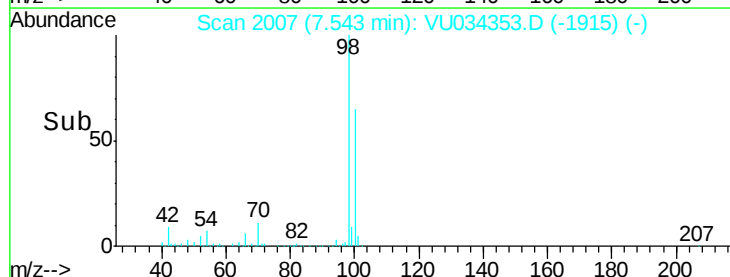
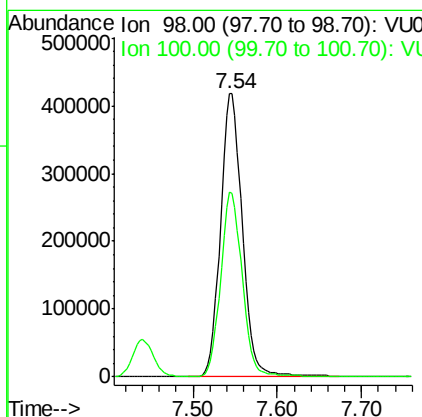
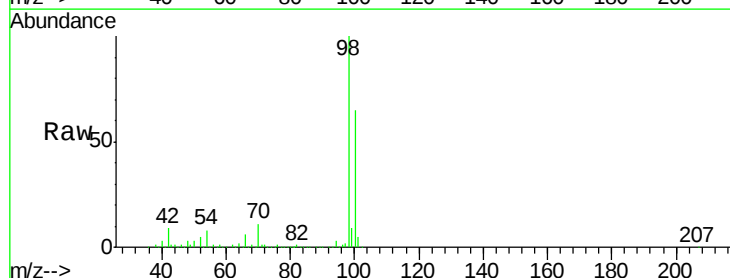
RT: 7.54 min Scan# 2007

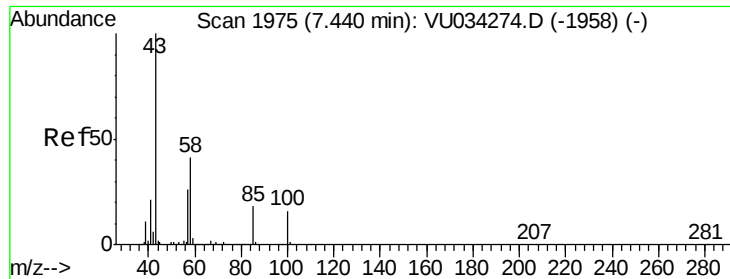
Delta R.T. -0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Tgt Ion:	98	Resp:	751021
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





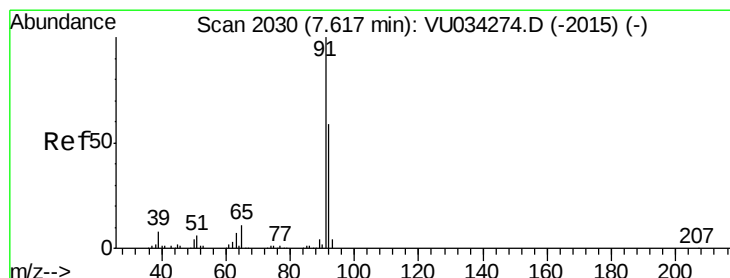
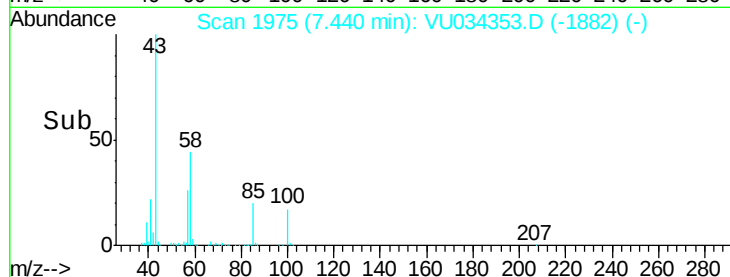
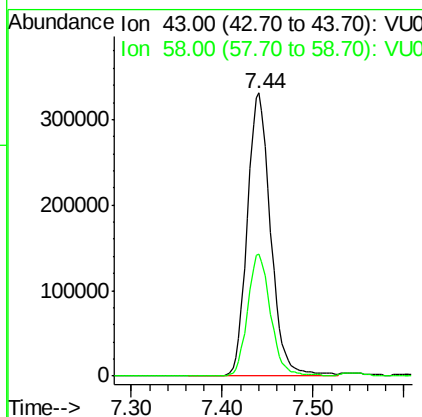
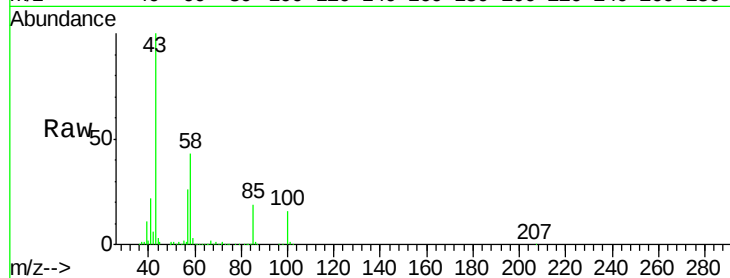
#51
4-Methyl-2-Pentanone
Concen: 97.836 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.5	33.0	49.4

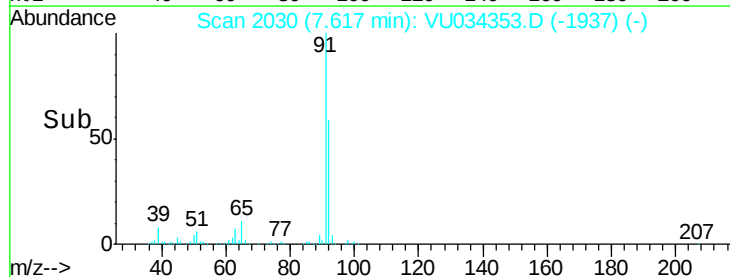
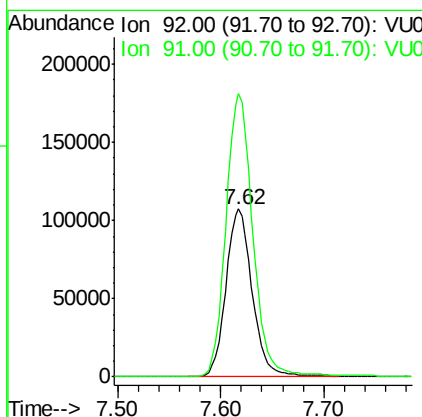
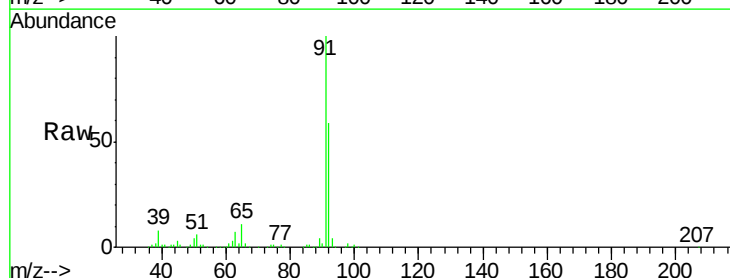
Manual Integrations
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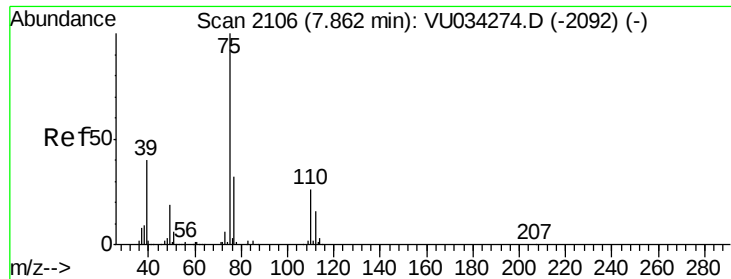
MMDadoda
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#52
Toluene
Concen: 20.038 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 18.780 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Tot Ion: 75 Resp: 112094

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

Instrument :

MSVOA_U

ClientSampleId :

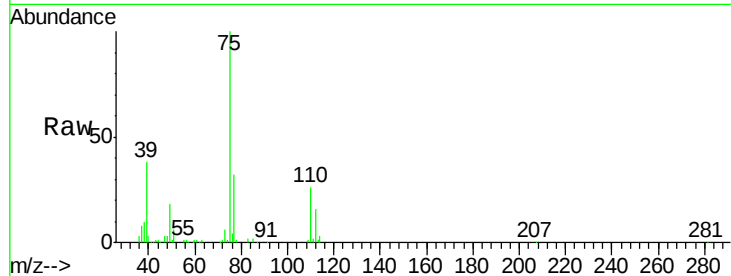
VU0907WBSD02

Manual Integrations

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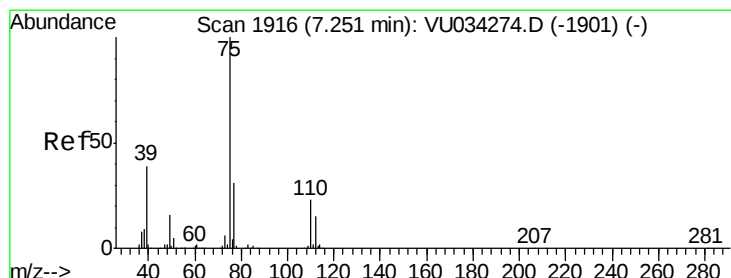
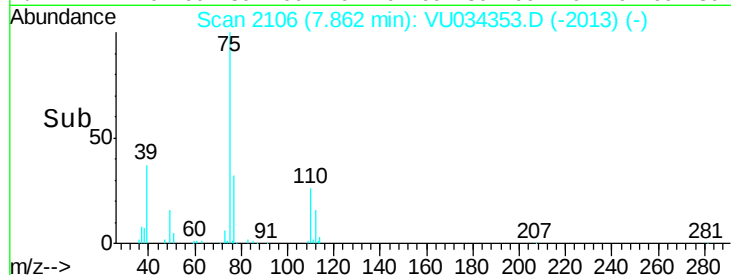
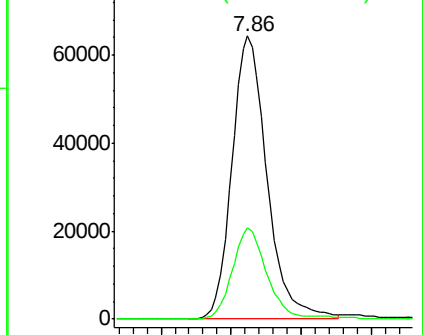
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.026 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

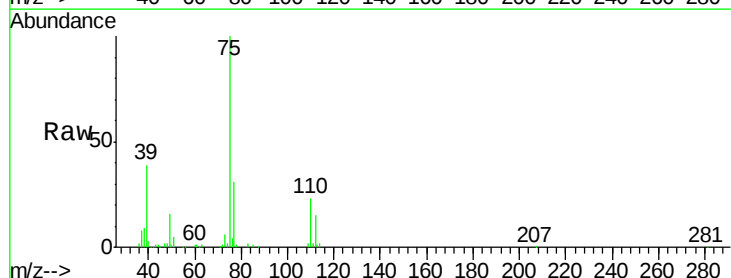
Tgt Ion: 75 Resp: 124644

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7

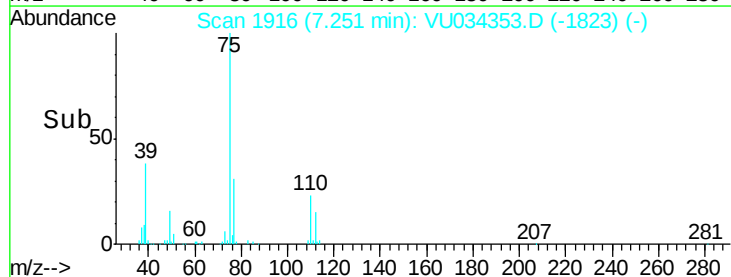
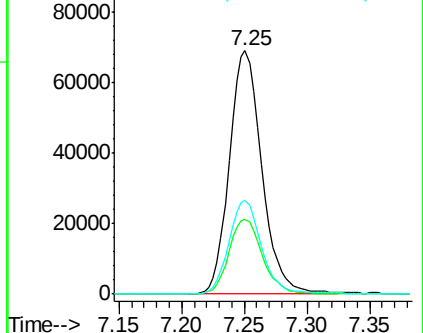
39 38.4 31.2 46.8

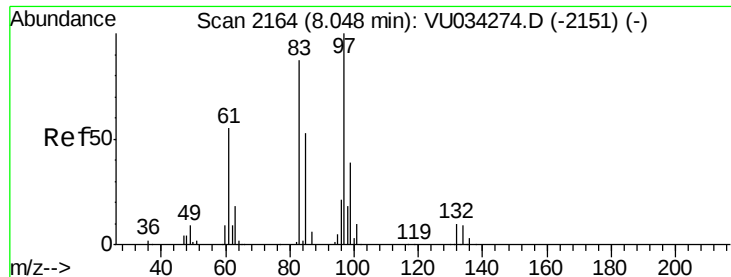


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





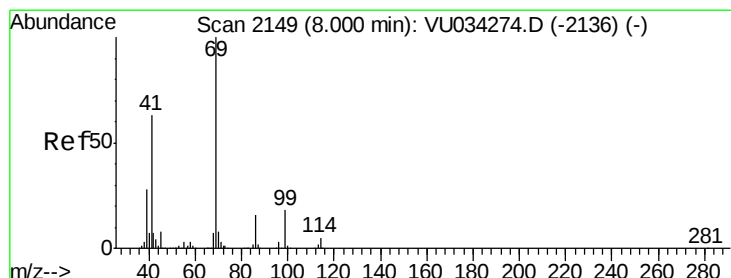
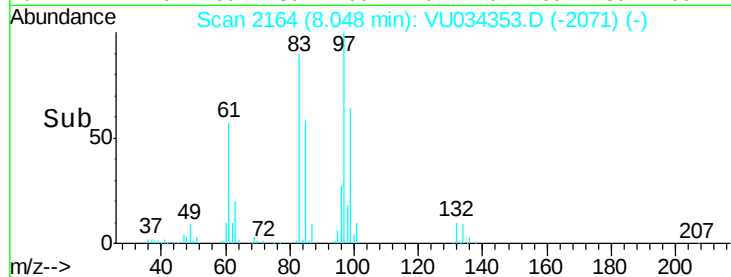
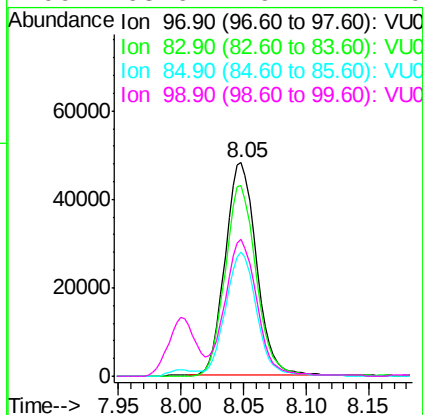
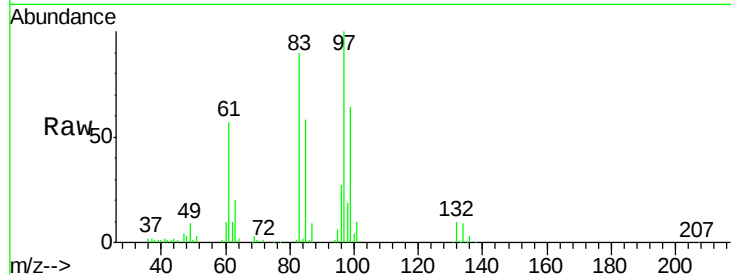
#55
 1,1,2-Trichloroethane
 Concen: 19.211 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD02

Tot Ion:	97	Resp:	83417
Ion	Ratio	Lower	Upper
97	100		
83	89.9	69.0	103.6
85	58.1	44.2	66.2
99	63.6	49.4	74.0

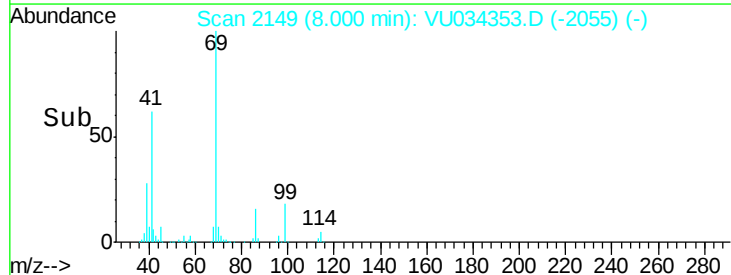
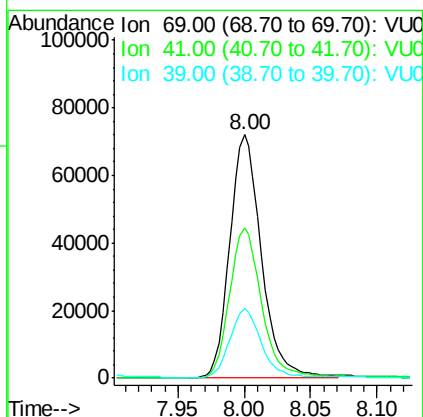
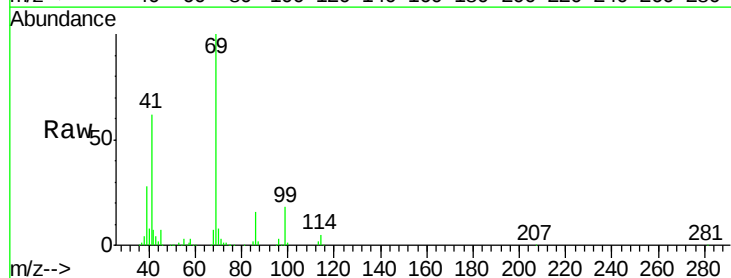
Manual Integrations
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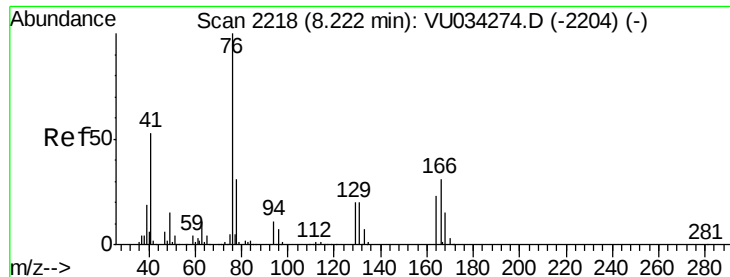
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 9/10/2019 1:30:53 PM



#56
 Ethyl methacrylate
 Concen: 20.141 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion:	69	Resp:	119957
Ion	Ratio	Lower	Upper
69	100		
41	62.3	49.5	74.3
39	27.5	22.5	33.7





#57

1,3-Dichloropropane

Concen: 19.270 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion: 76 Resp: 136250

Ion Ratio Lower Upper

76 100

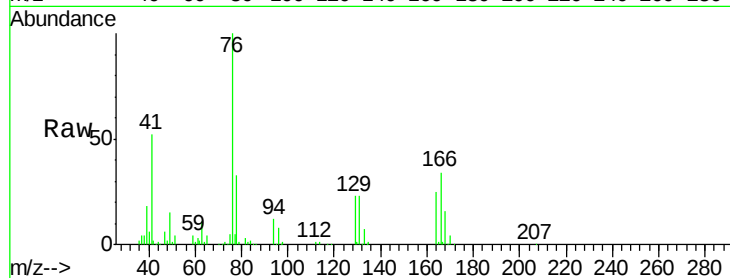
78 32.8 25.4 38.2

Manual Integrations

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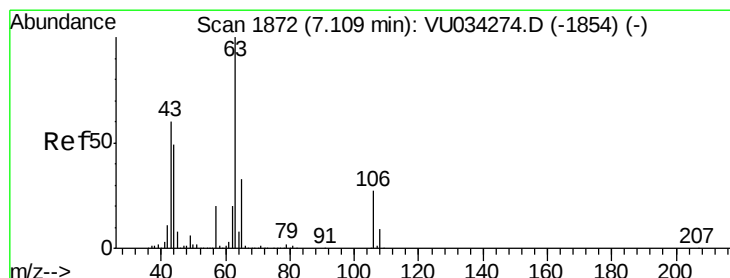
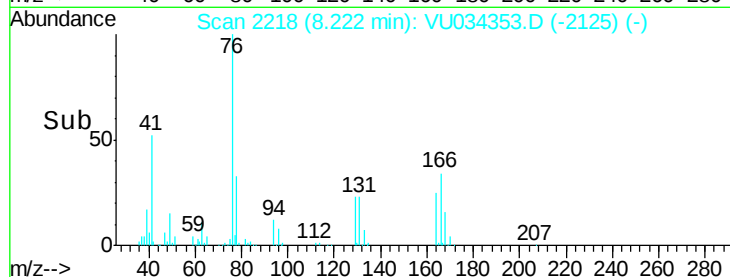
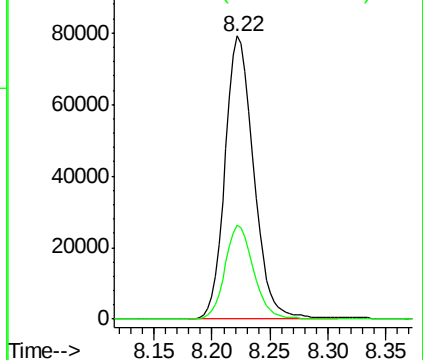
MMDadoda

9/10/2019 1:30:53 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 101.527 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034353.D

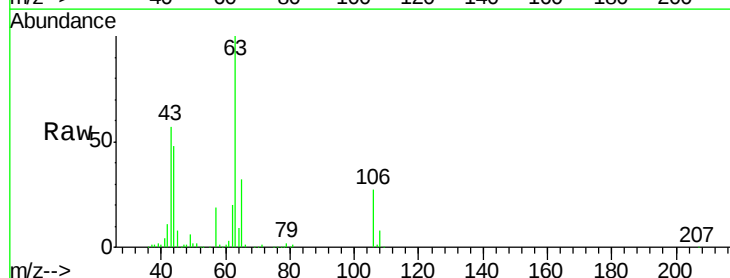
Acq: 07 Sep 2019 00:41

Tgt Ion: 63 Resp: 203004

Ion Ratio Lower Upper

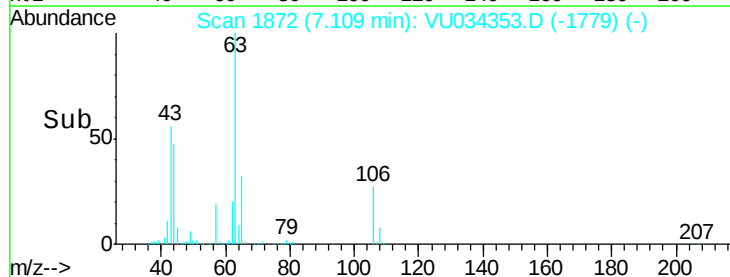
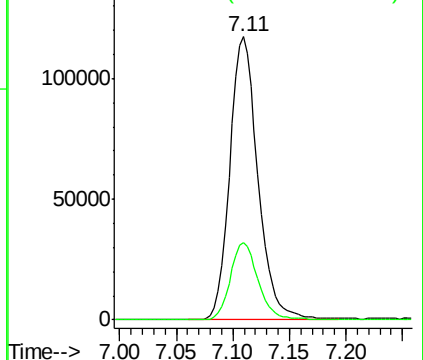
63 100

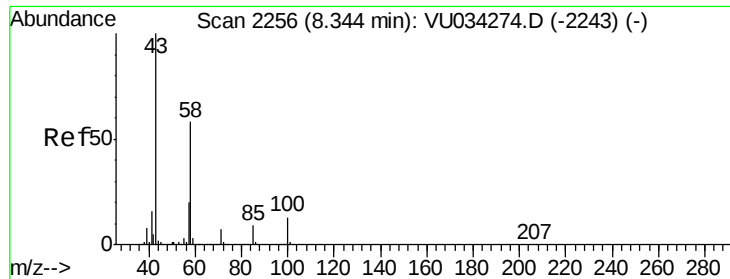
106 27.2 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





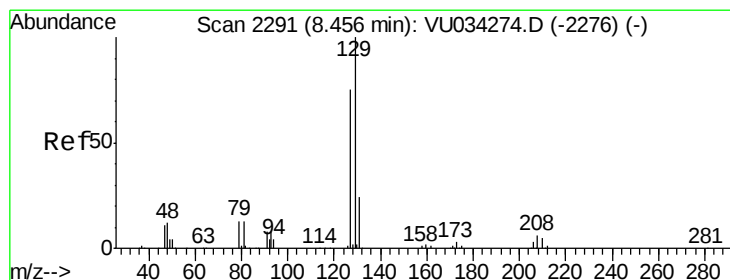
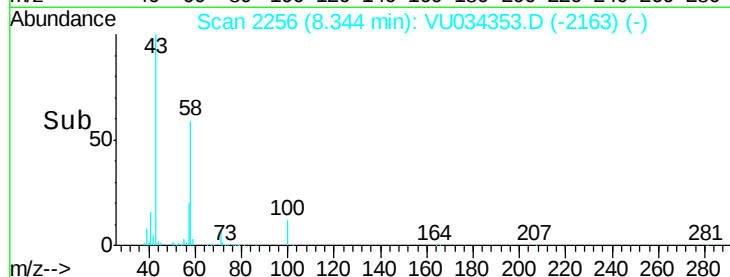
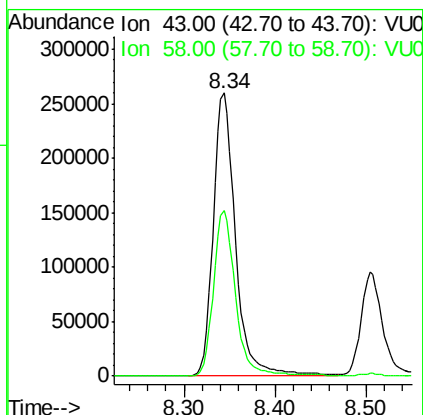
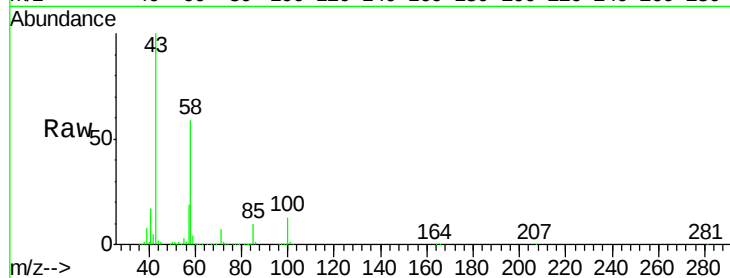
#59
2-Hexanone
Concen: 97.360 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion: 43 Resp: 438680
Ion Ratio Lower Upper
43 100
58 58.7 28.8 86.5

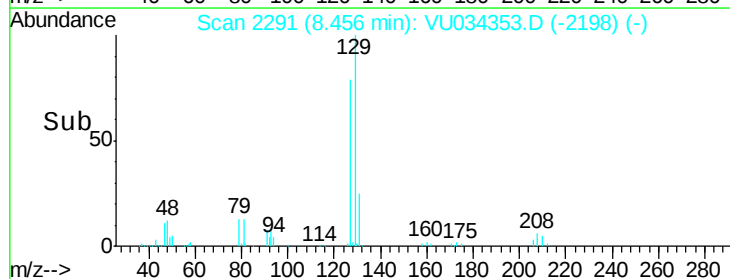
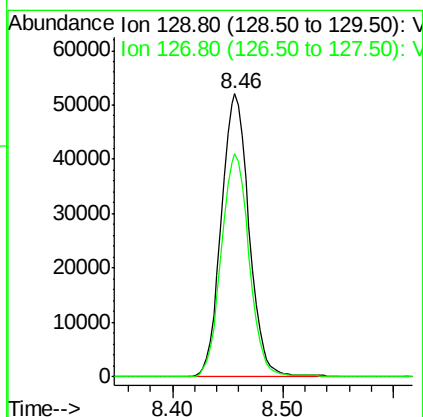
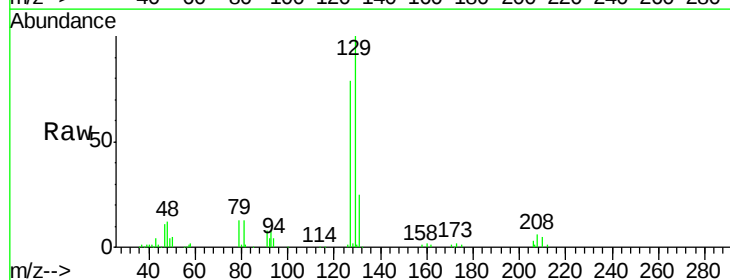
Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:53 PM



#60
Dibromochloromethane
Concen: 19.549 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion: 129 Resp: 91048
Ion Ratio Lower Upper
129 100
127 79.2 37.9 113.7





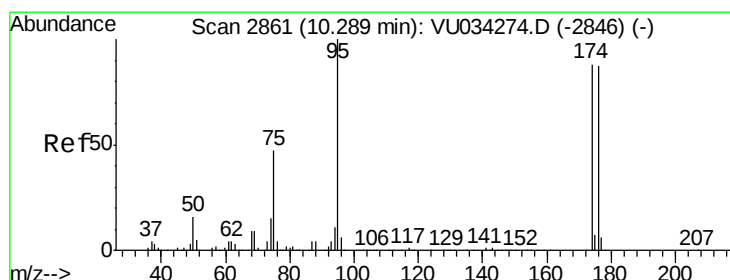
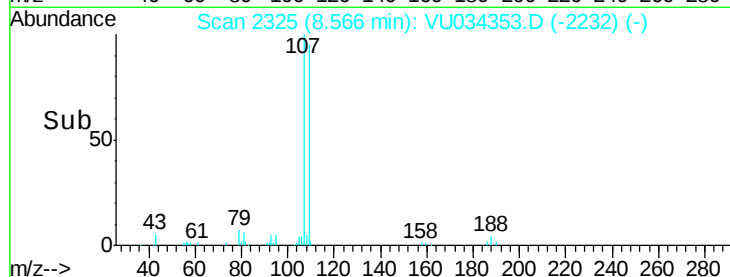
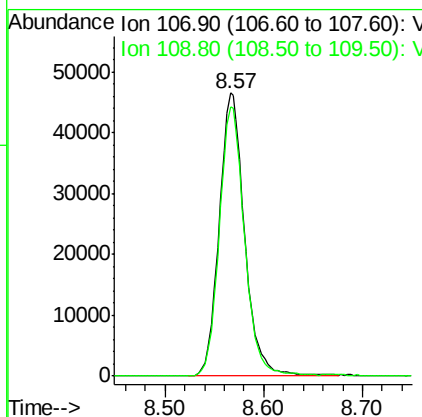
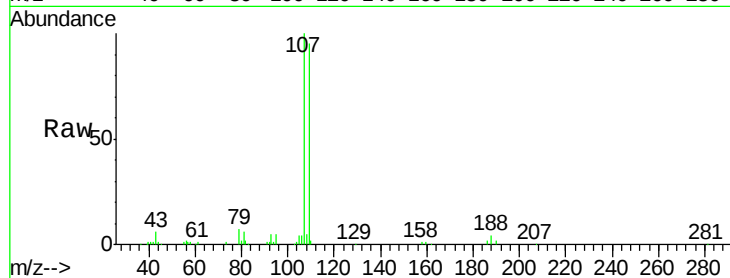
#61
 1,2-Dibromoethane
 Concen: 19.746 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.0	112.6

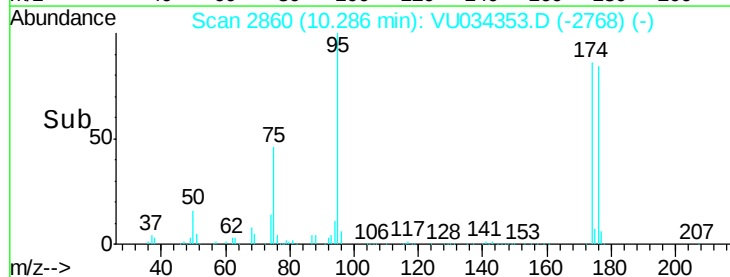
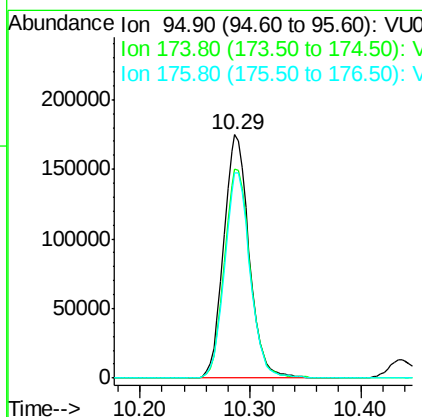
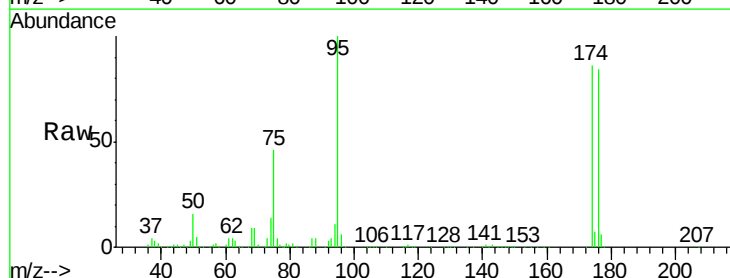
Manual Integrations
 APPROVED

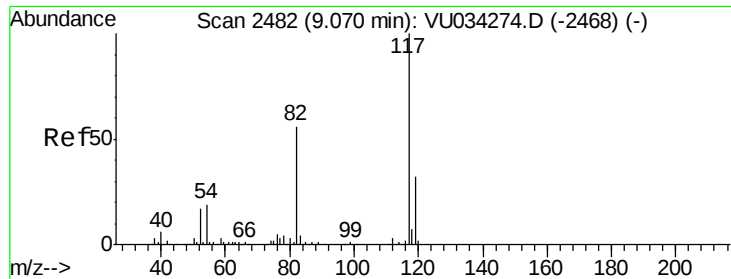
MMDadoda
 9/10/2019 1:30:53 PM



#62
 4-Bromofluorobenzene
 Concen: 47.602 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.4	0.0	175.2
176	84.5	0.0	168.0





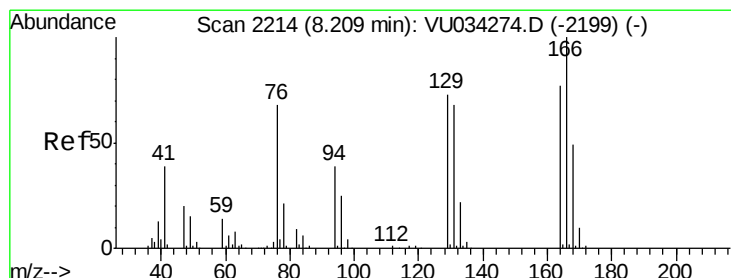
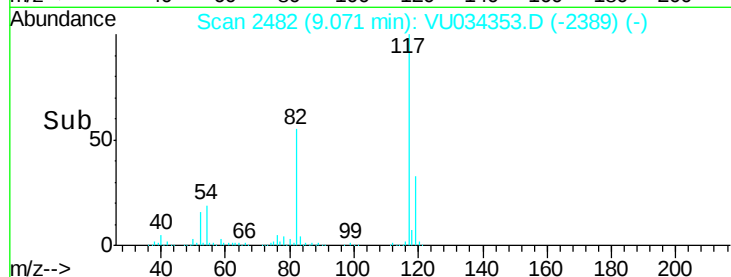
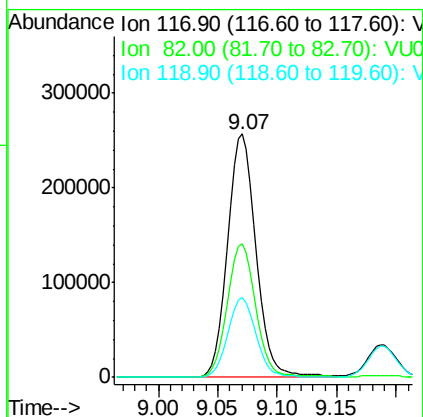
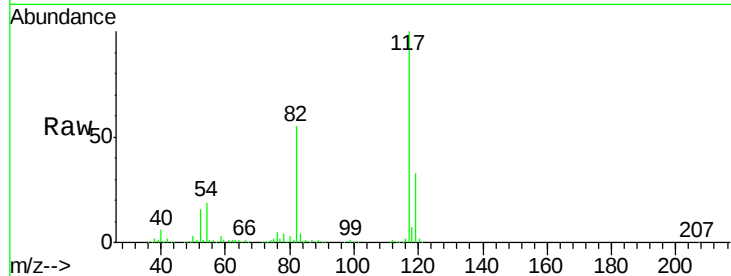
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	32.5	25.9	38.9

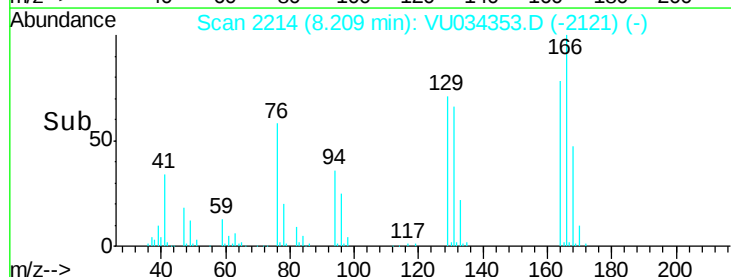
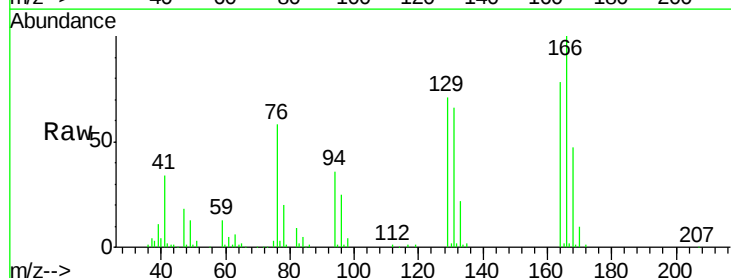
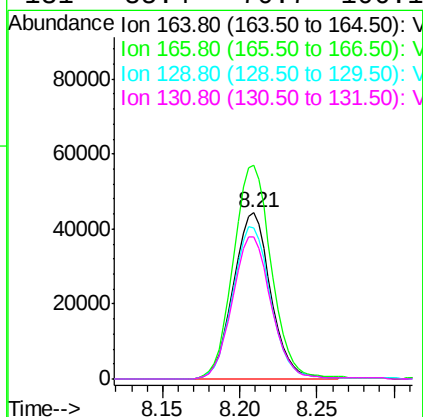
Manual Integrations
APPROVED

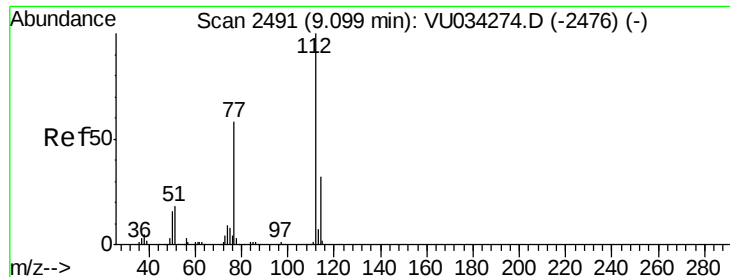
MMDadoda
9/10/2019 1:30:53 PM



#64
Tetrachloroethene
Concen: 20.096 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	103.7	155.5
129	91.3	75.8	113.8
131	85.4	70.7	106.1





#65

Chlorobenzene

Concen: 20.425 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion:112 Resp: 221375

Ion Ratio Lower Upper

112 100

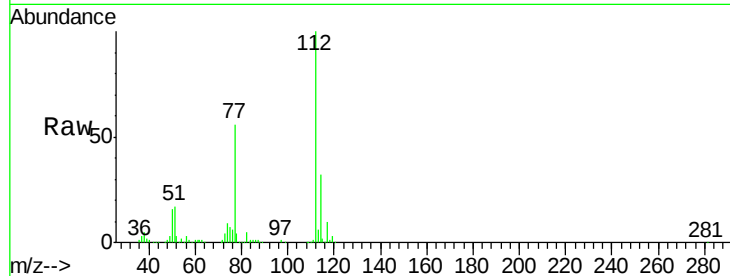
114 32.0 25.9 38.9

Manual Integrations

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9/10/2019 1:30:53 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

150000

100000

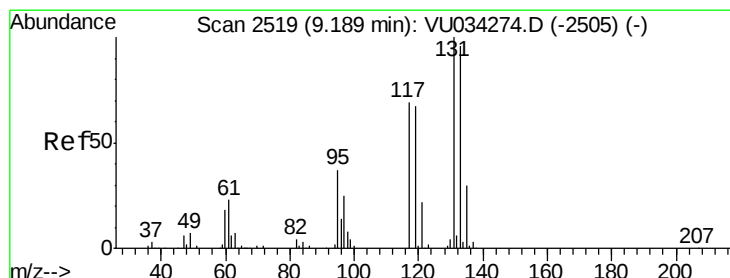
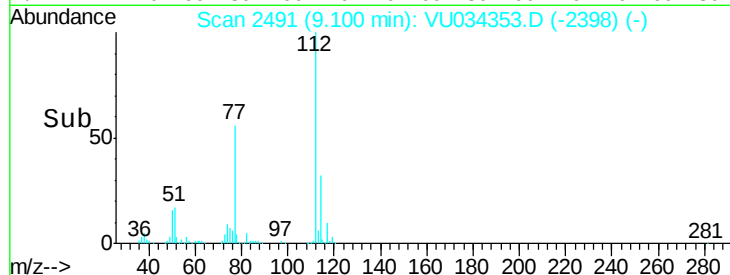
50000

0

9.10

9.05 9.10 9.15 9.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.638 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

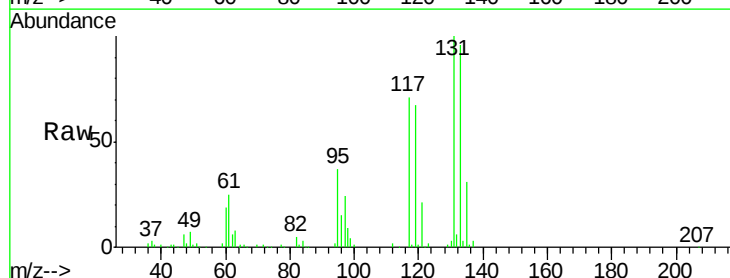
Tgt Ion:131 Resp: 81227

Ion Ratio Lower Upper

131 100

133 97.1 47.9 143.7

119 66.7 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

50000

40000

30000

20000

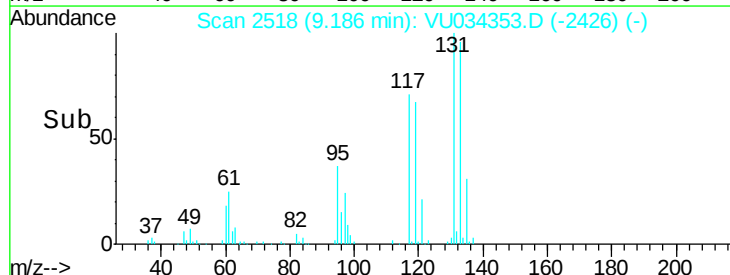
10000

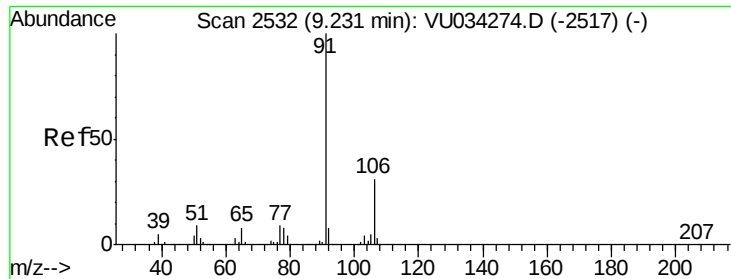
0

9.19

9.10 9.15 9.20 9.25

Time-->





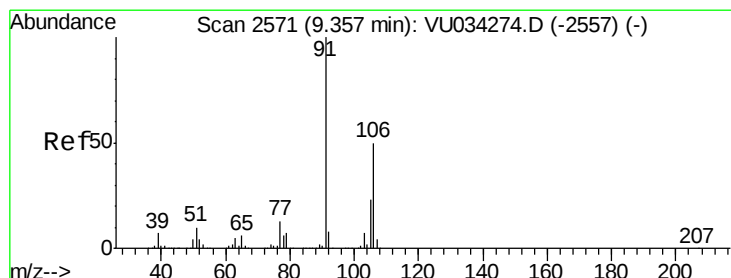
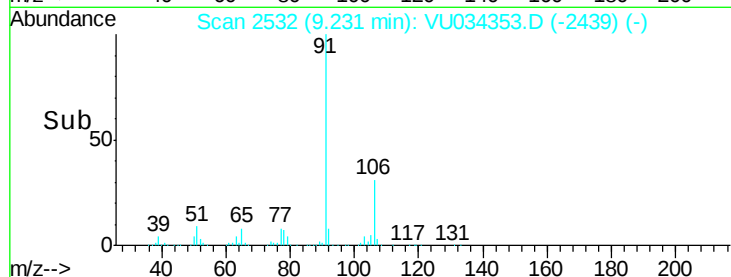
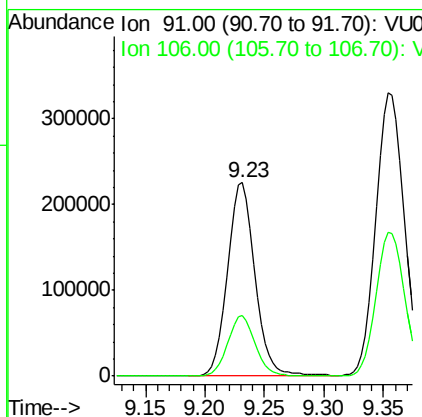
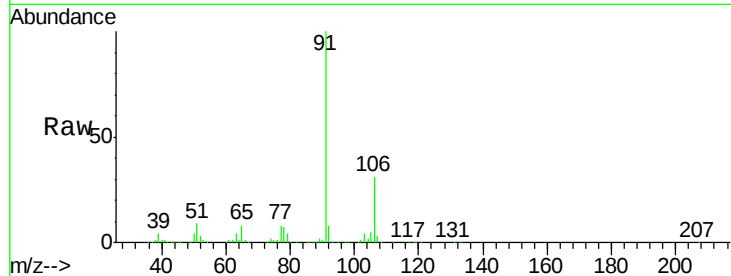
#67
Ethyl Benzene
Concen: 20.509 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	363452		
106	31.2	24.8	37.2	

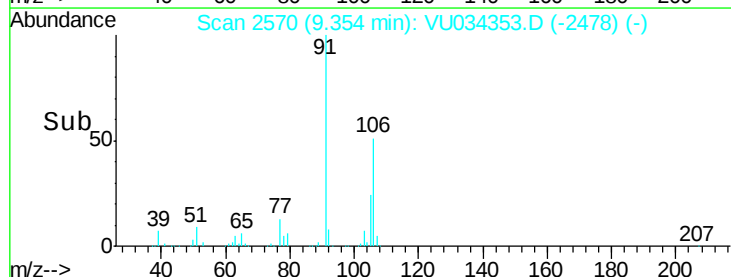
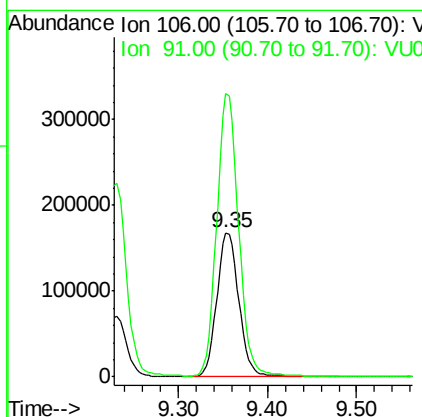
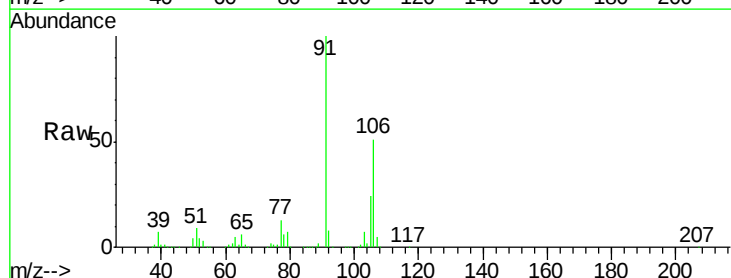
Manual Integrations
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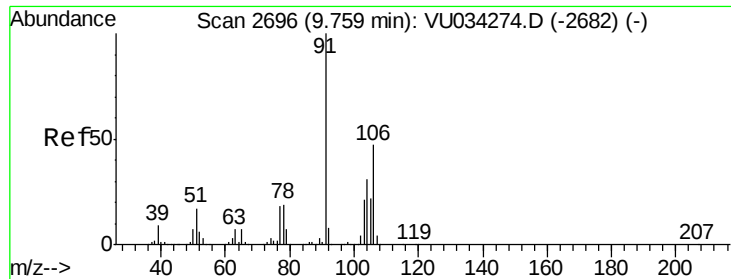
MMDadoda
9/10/2019 1:30:53 PM



#68
m/p-Xylenes
Concen: 43.088 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	287528		
91	195.1	160.1	240.1	





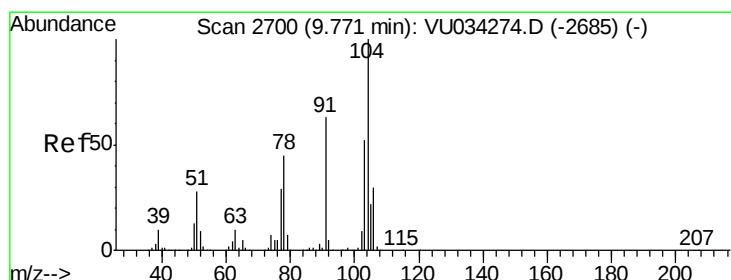
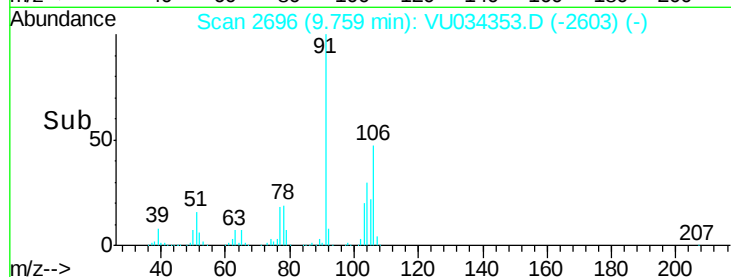
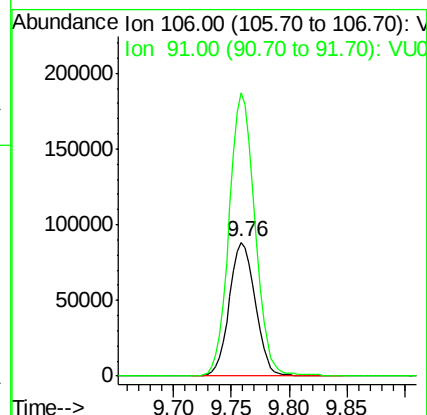
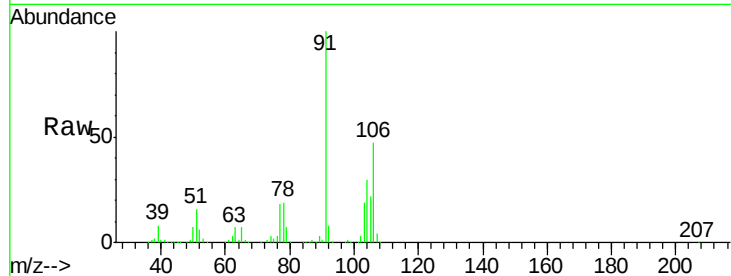
#69
o-Xylene
Concen: 21.240 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	138615		
91	209.5	105.1	315.3	

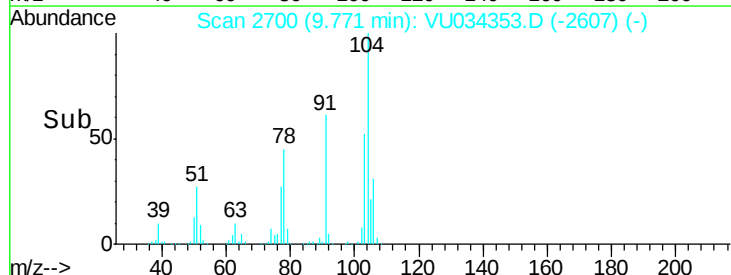
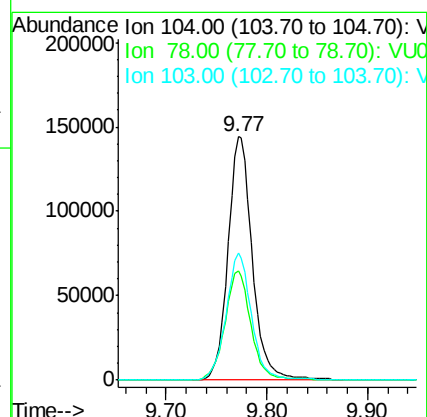
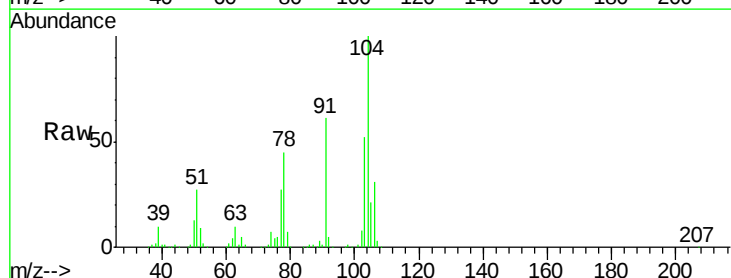
Manual Integrations
APPROVED

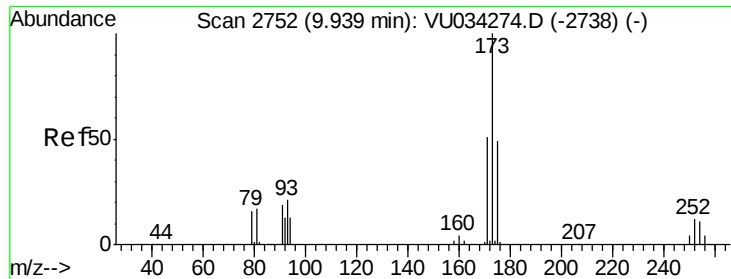
MMDadoda
9/10/2019 1:30:53 PM



#70
Styrene
Concen: 21.255 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	243196		
78	48.1	38.6	57.8	
103	54.7	44.2	66.4	





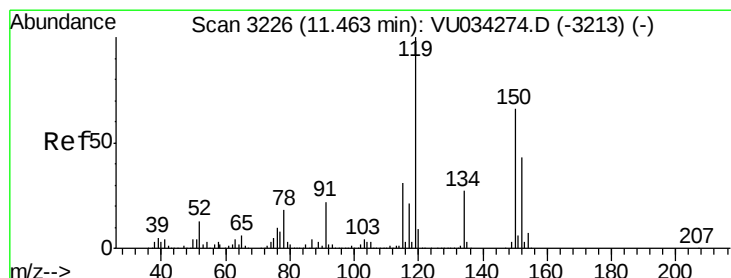
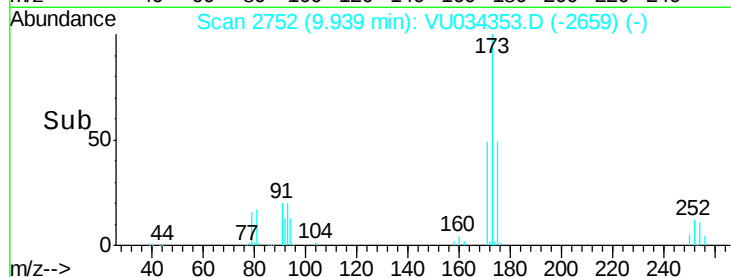
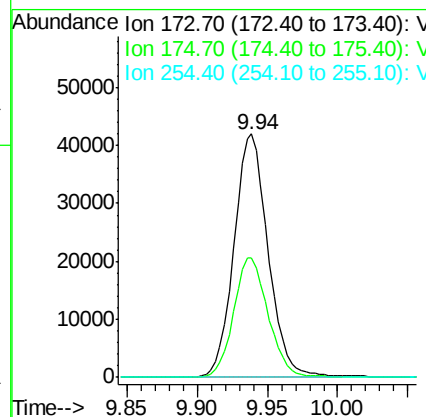
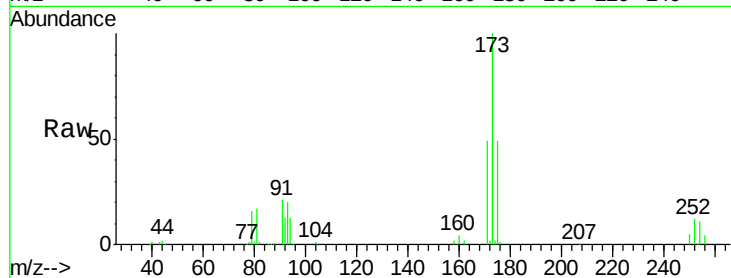
#71
Bromoform
Concen: 19.792 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	50.0	24.4	73.2	
254	0.0	0.0	0.0	

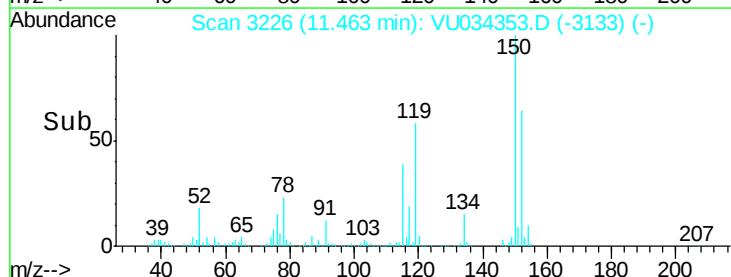
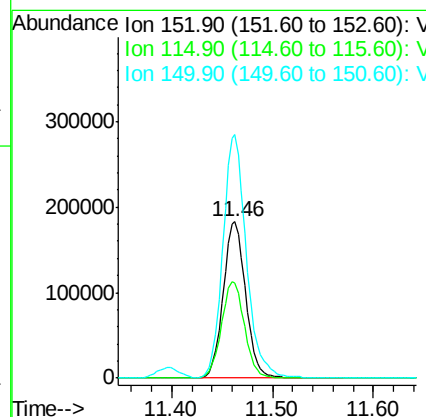
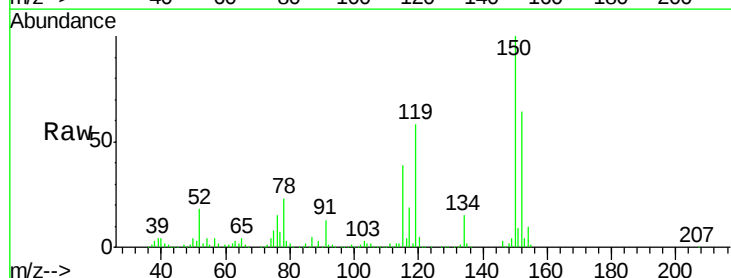
Manual Integrations
APPROVED

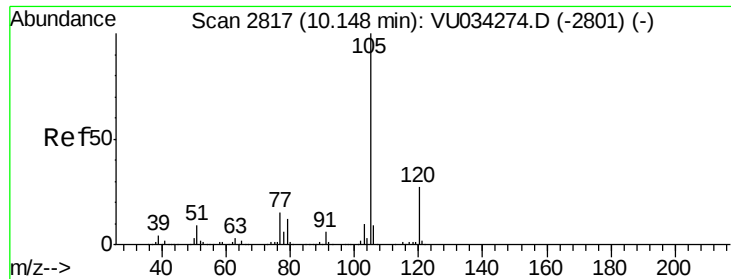
MMDadoda
9/10/2019 1:30:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	63.4	39.1	117.3	
150	161.8	0.0	345.4	





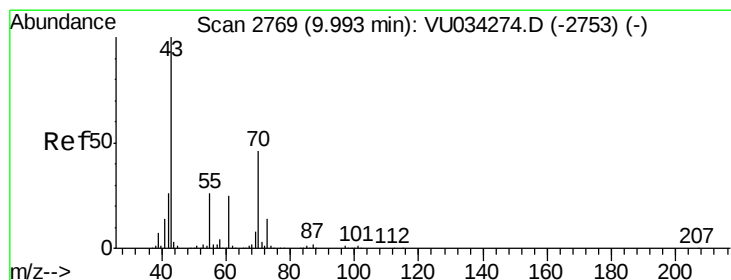
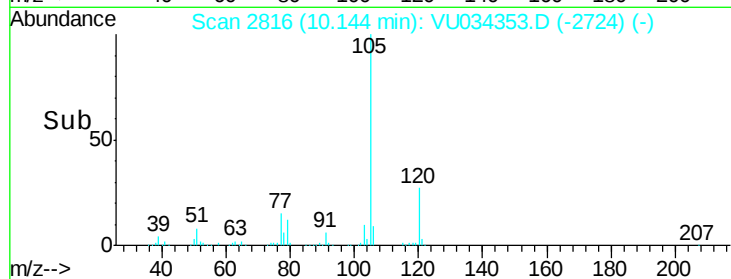
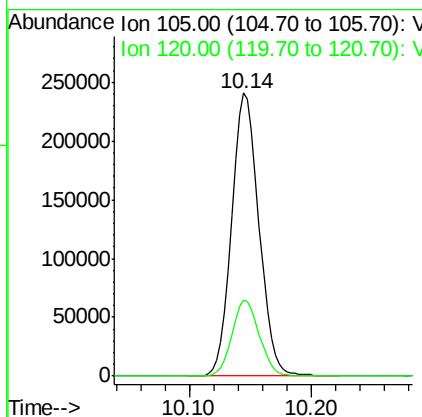
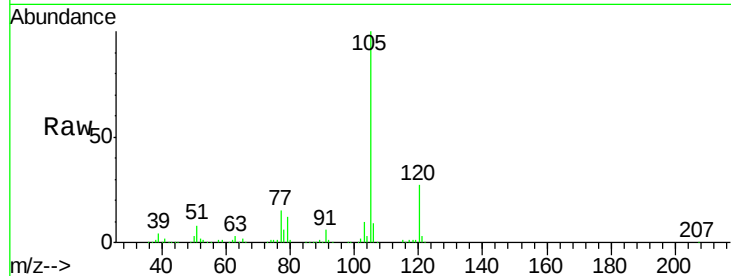
#73
Isopropylbenzene
Concen: 20.255 ug/l
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.4	40.2

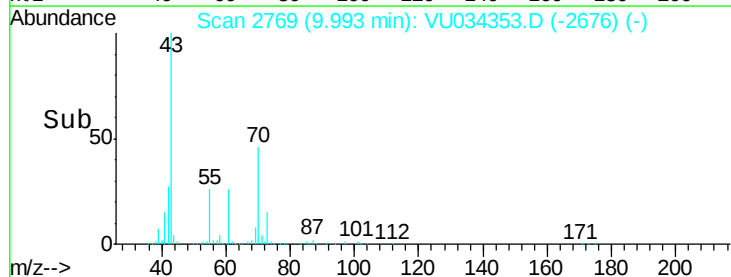
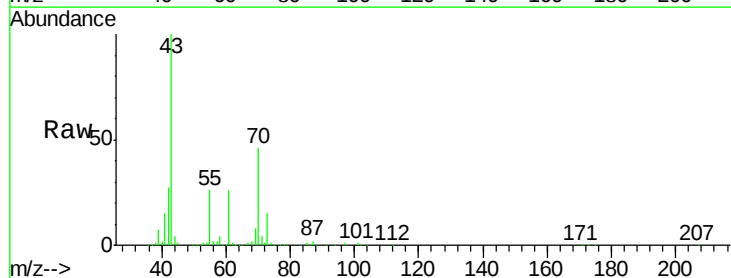
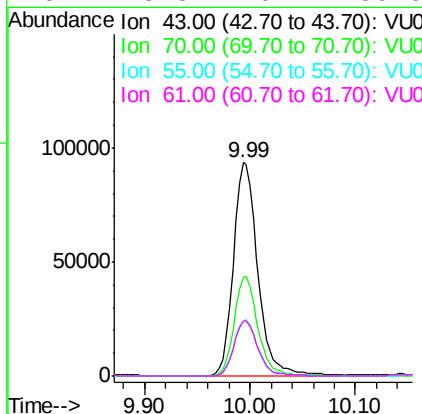
Manual Integrations
APPROVED

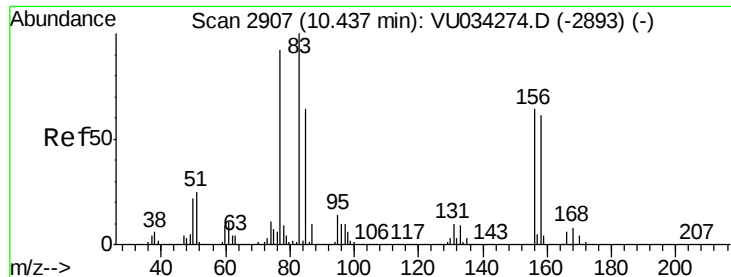
MMDadoda
9/10/2019 1:30:53 PM



#74
N-ethyl acetate
Concen: 19.893 ug/l
RT: 9.99 min Scan# 2769
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.7	36.4	54.6
55	26.4	21.2	31.8
61	25.8	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.351 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion: 83 Resp: 145462

Ion Ratio Lower Upper

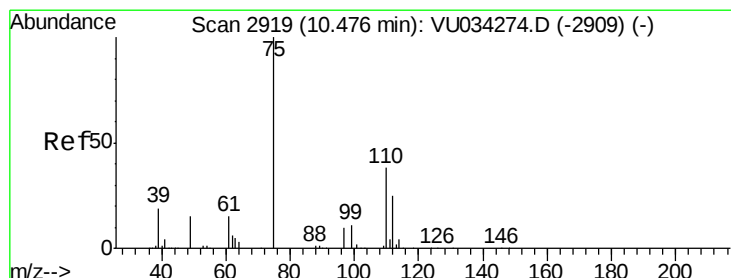
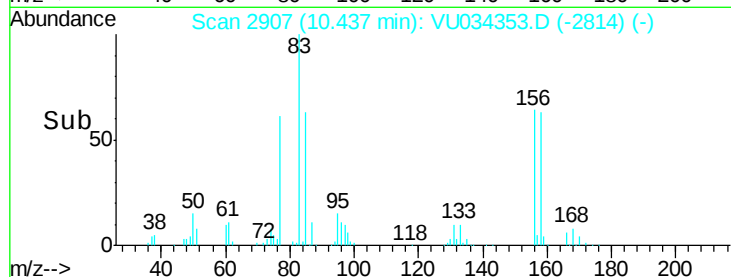
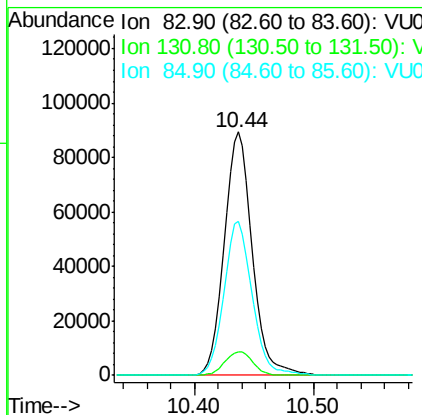
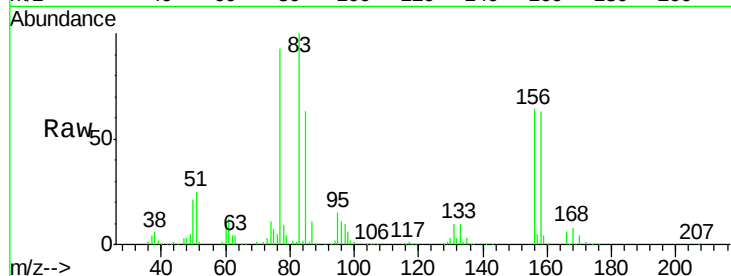
83 100

131 9.8 5.1 15.2

85 63.8 32.0 96.2

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:53 PM



#76

1,2,3-Trichloropropane

Concen: 19.297 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034353.D

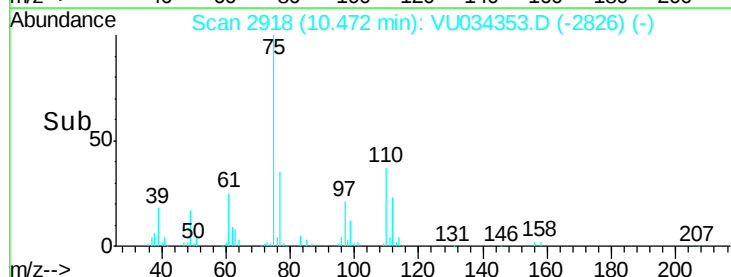
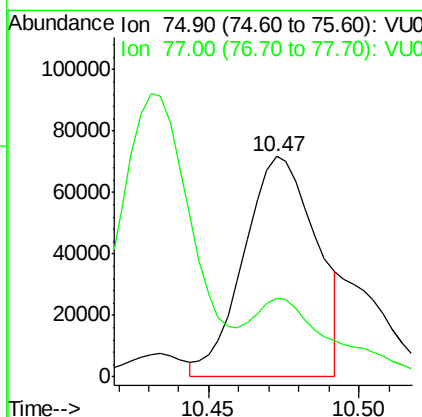
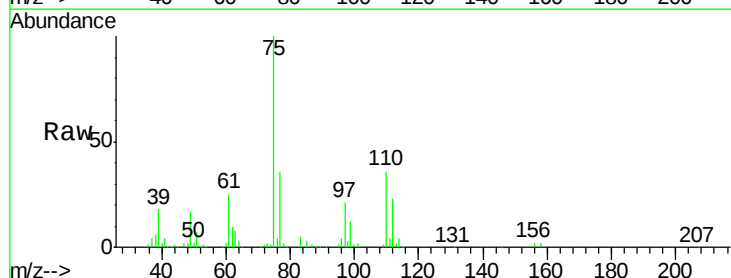
Acq: 07 Sep 2019 00:41

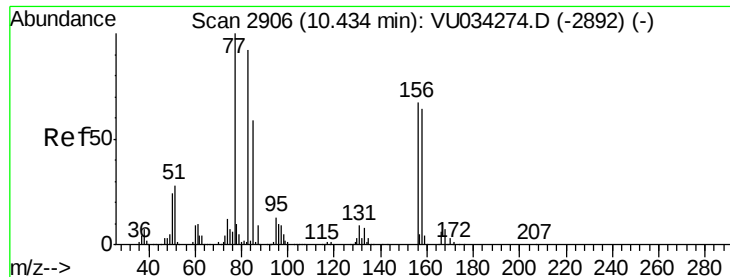
Tgt Ion: 75 Resp: 120197

Ion Ratio Lower Upper

75 100

77 40.7 20.8 62.2





#77

Bromobenzene

Concen: 20.244 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

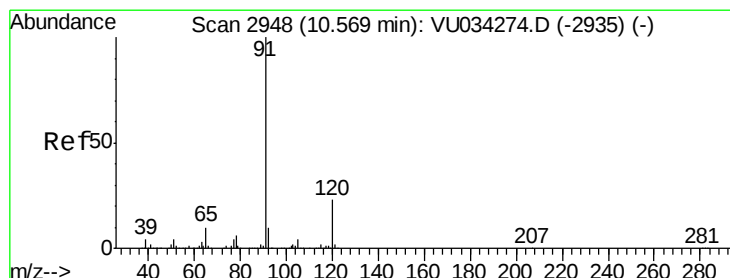
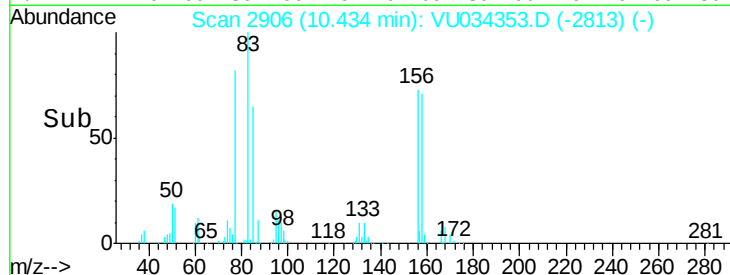
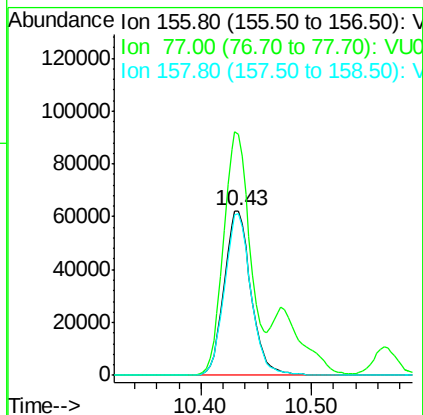
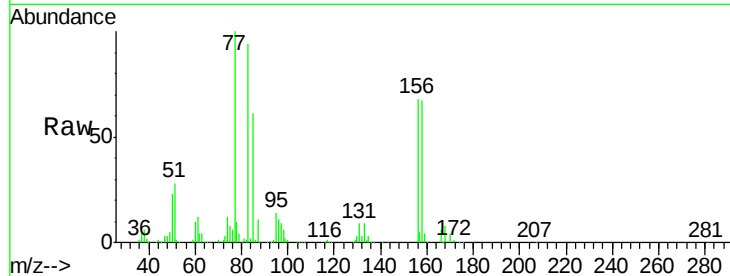
ClientSampleId :

VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.2	75.6	226.9
158	97.0	48.2	144.6

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#78

n-propylbenzene

Concen: 20.268 ug/l

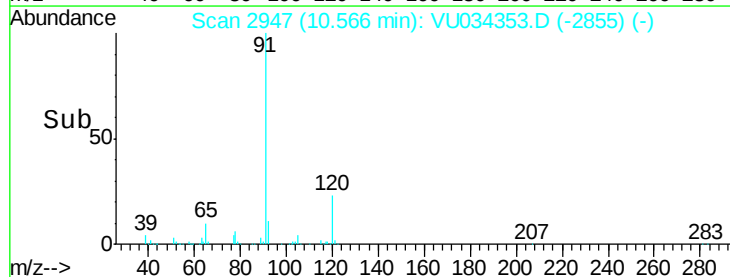
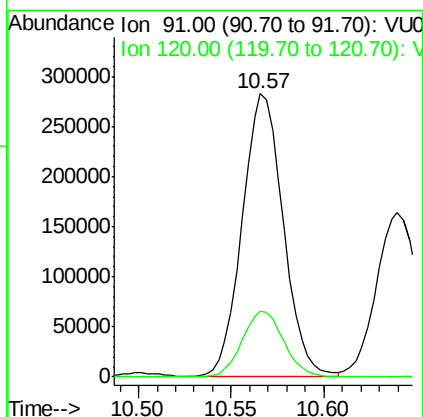
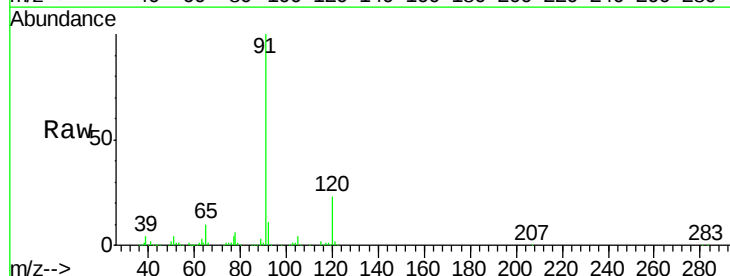
RT: 10.57 min Scan# 2947

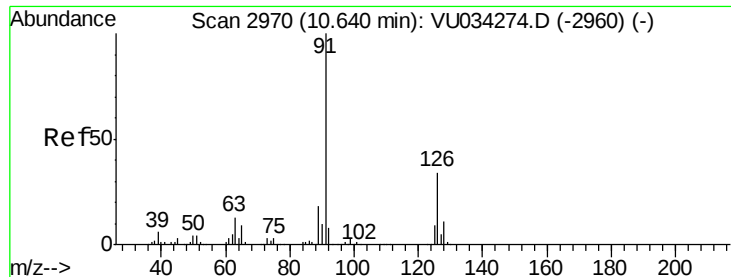
Delta R.T. -0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.327 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion: 91 Resp: 265998

Ion Ratio Lower Upper

91 100

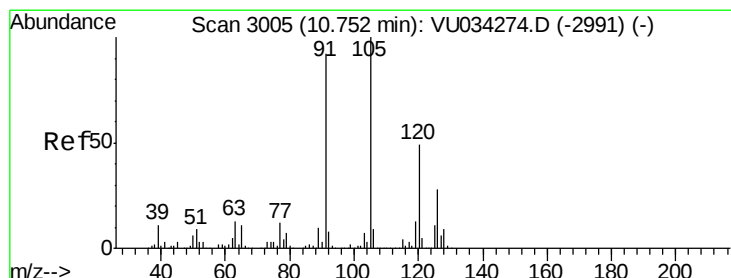
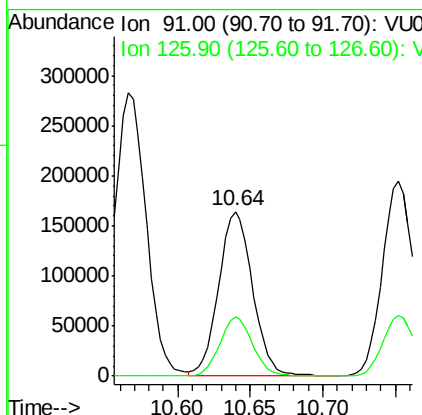
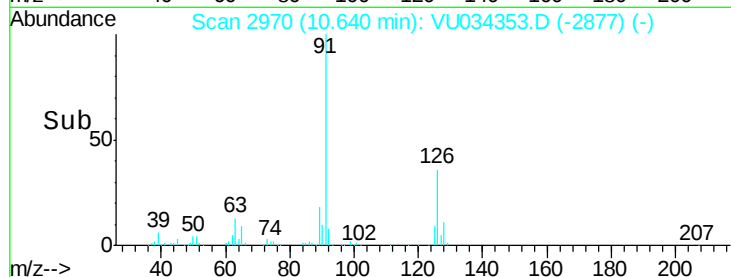
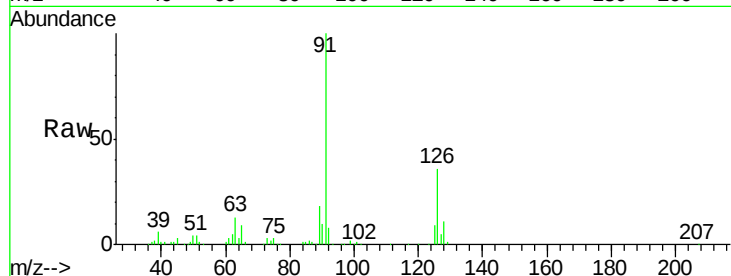
126 34.8 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.949 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034353.D

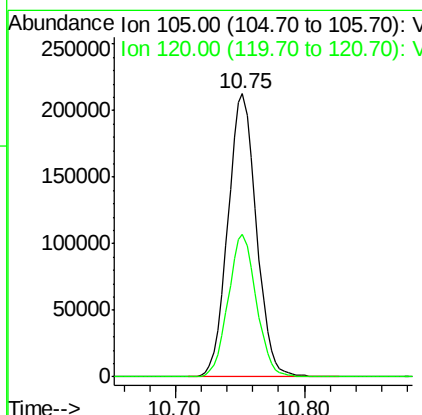
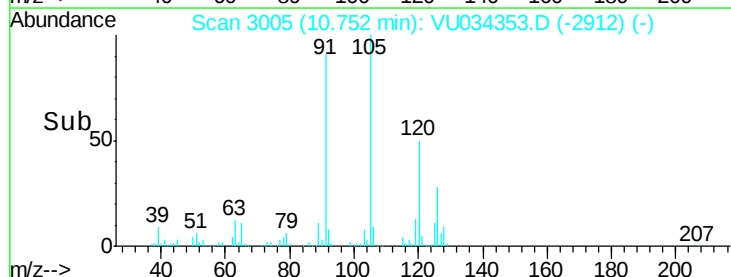
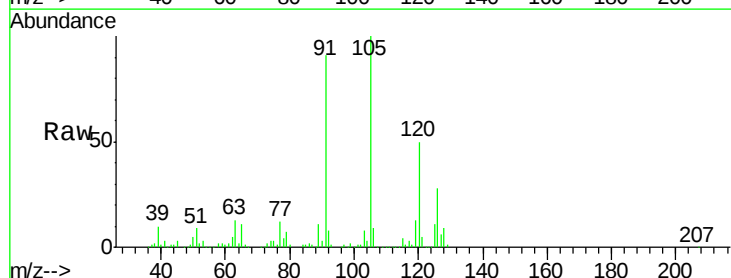
Acq: 07 Sep 2019 00:41

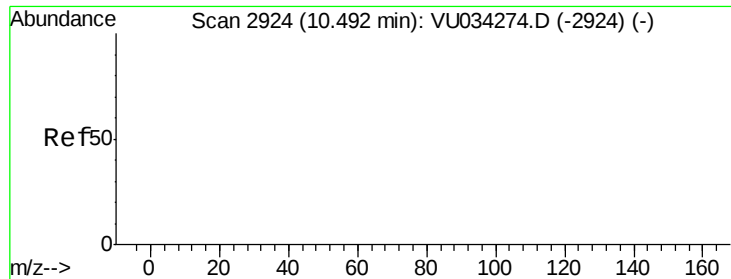
Tgt Ion: 105 Resp: 325369

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.7





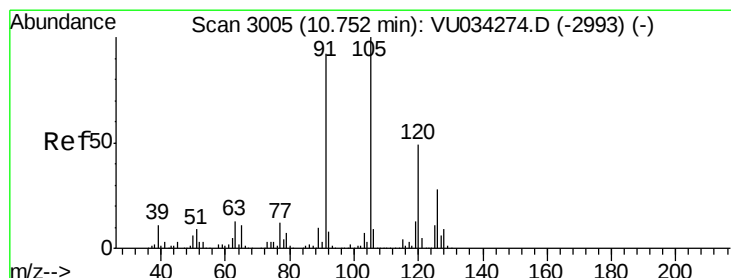
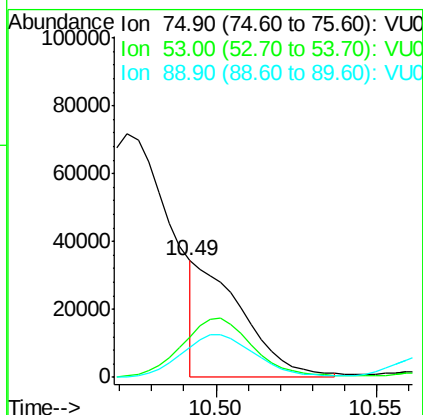
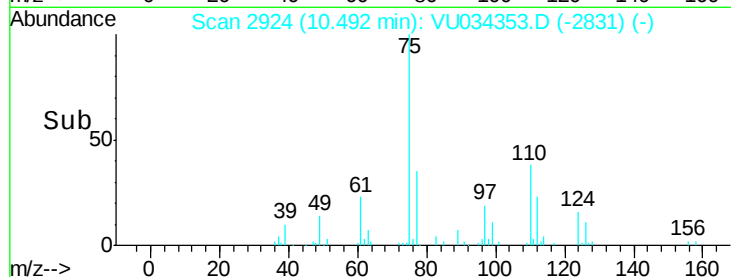
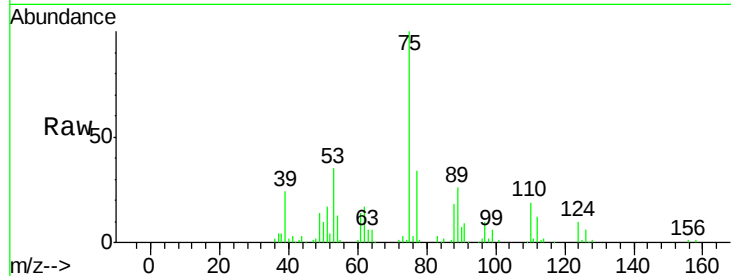
#81
trans-1,4-Dichloro-2-butene
Concen: 19.197 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

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

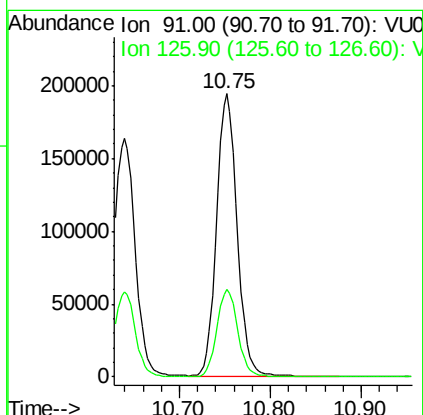
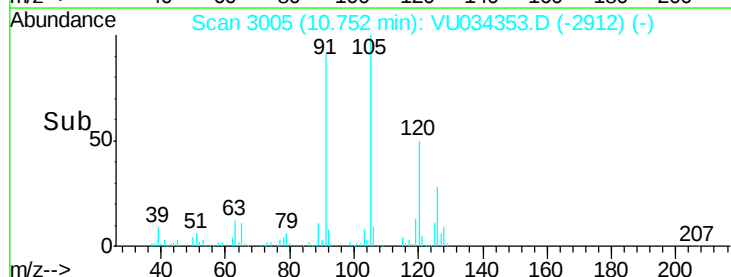
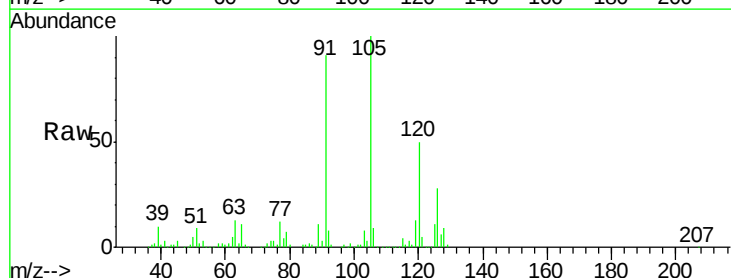
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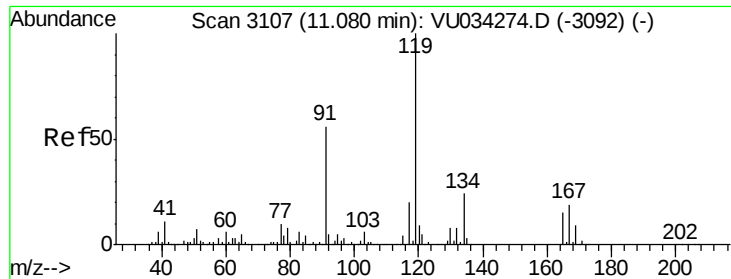
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.267 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.3	45.8





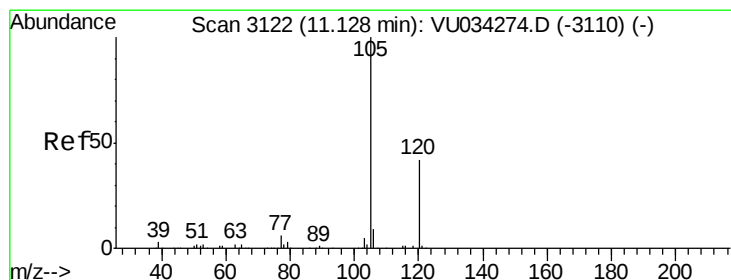
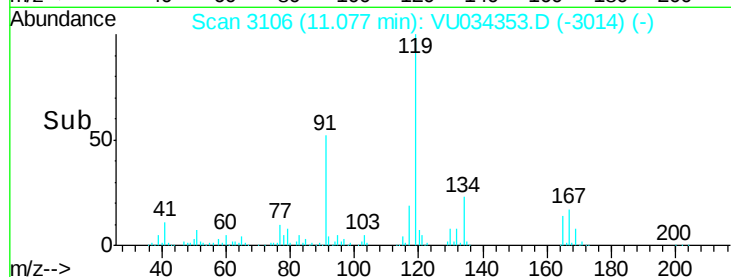
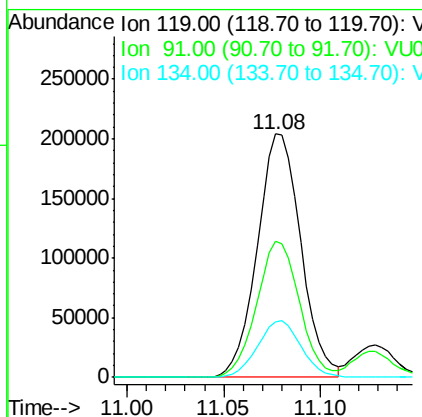
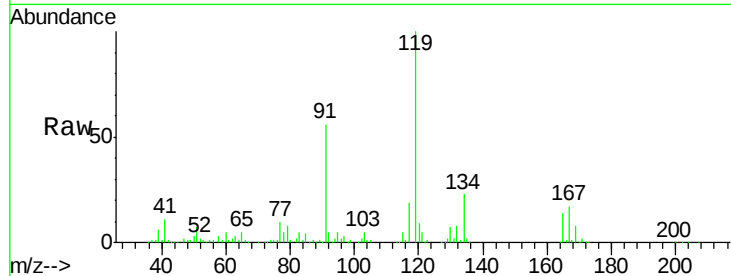
#83
 tert-Butylbenzene
 Concen: 20.638 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.6	27.8	83.4
134	23.2	11.7	35.0

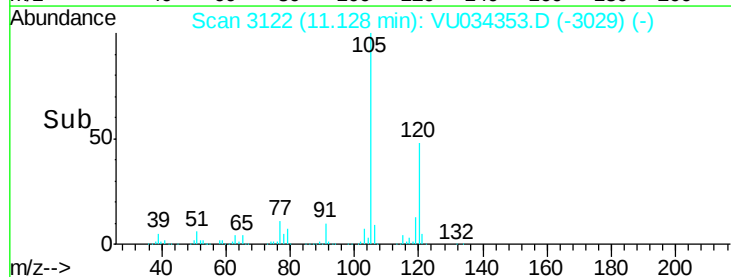
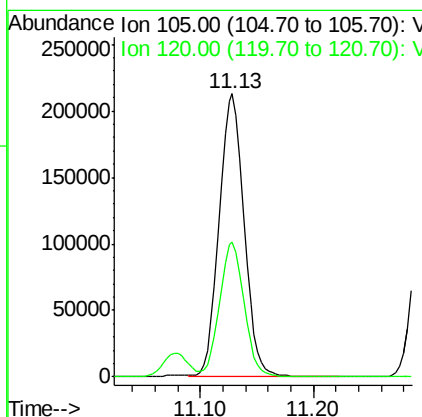
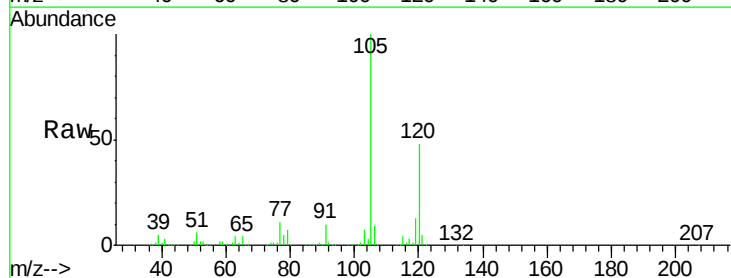
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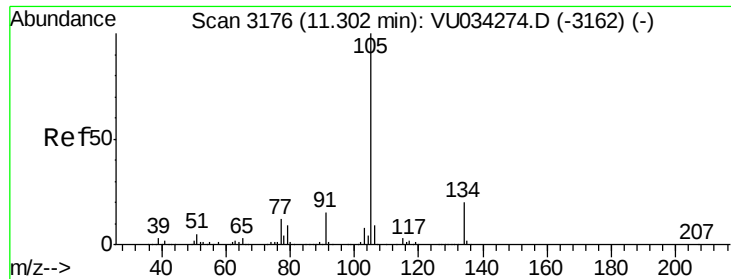
MMDadoda
 9/10/2019 1:30:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.891 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.710 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD02

Tot Ion:105 Resp: 379875

Ion Ratio Lower Upper

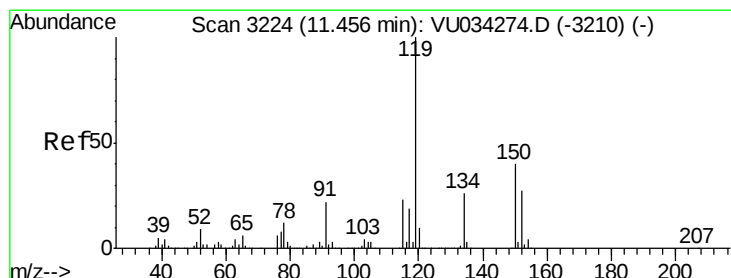
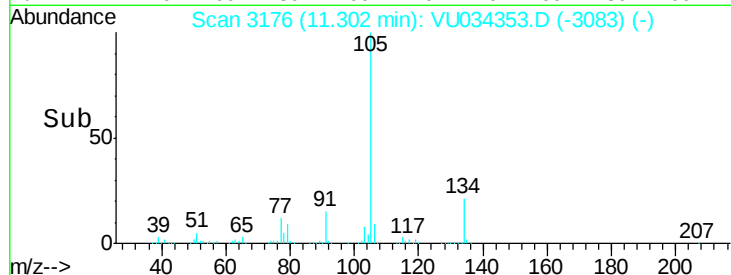
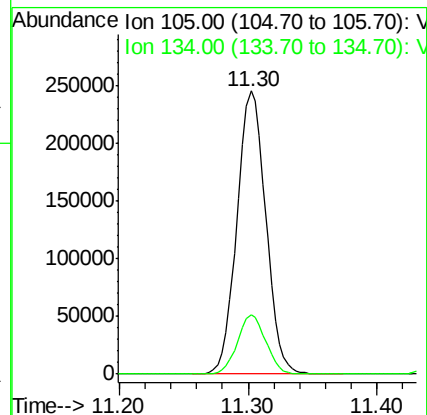
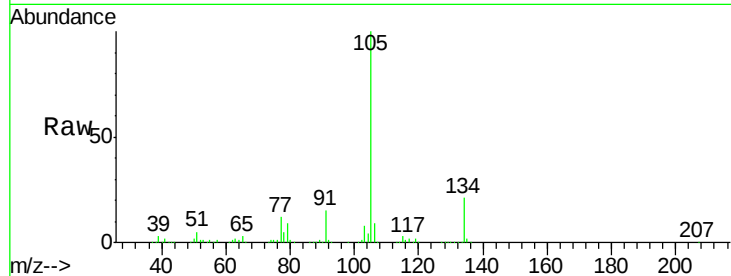
105 100

134 20.5 10.1 30.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.608 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

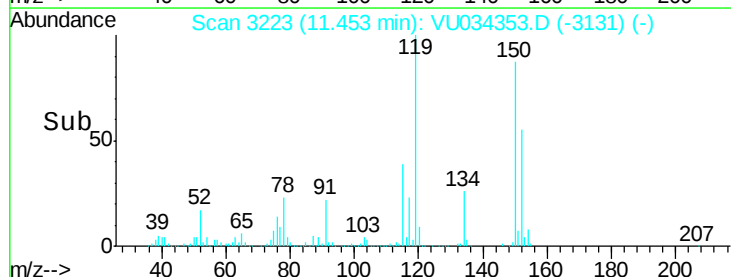
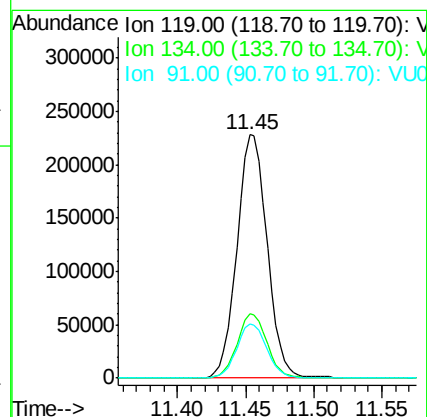
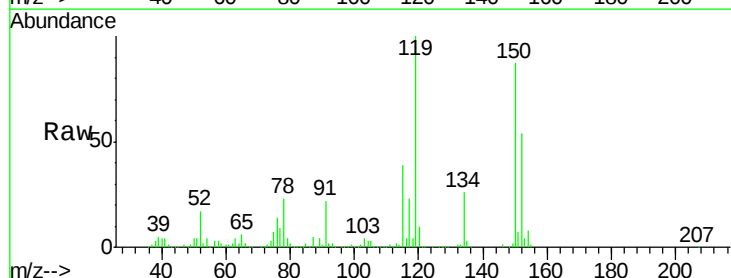
Tgt Ion:119 Resp: 348893

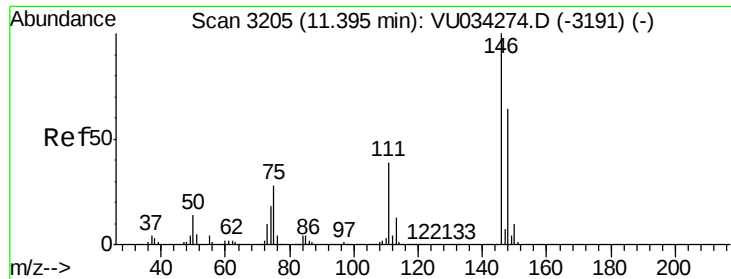
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.1 11.2 33.6





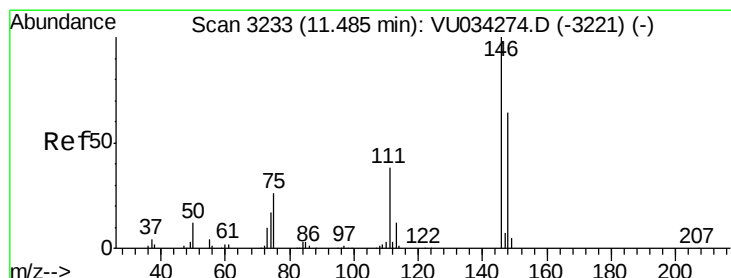
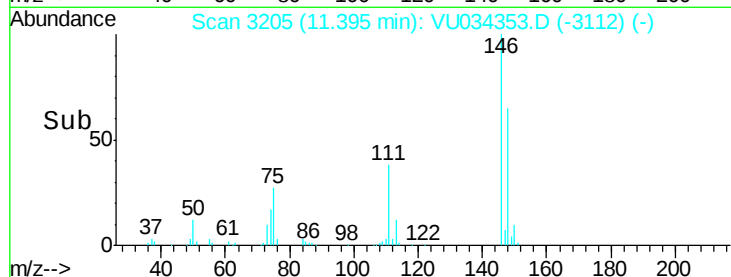
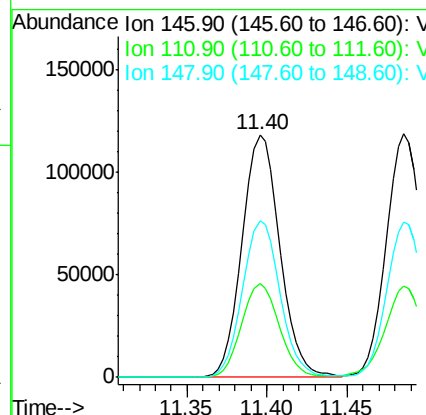
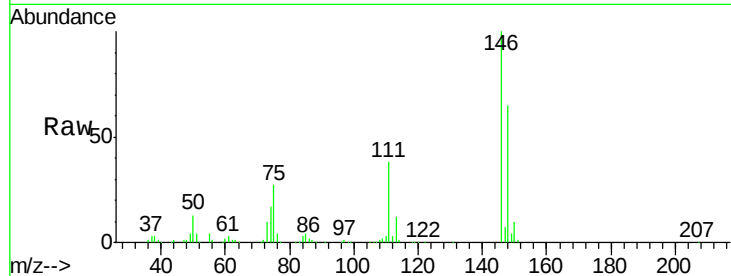
#87
 1,3-Dichlorobenzene
 Concen: 20.094 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	64.2	32.1	96.3

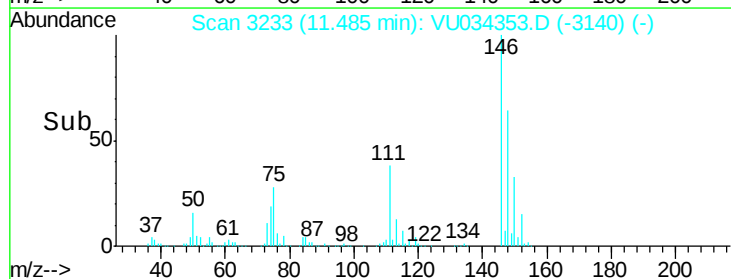
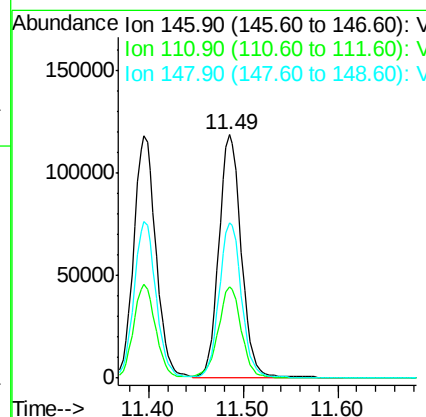
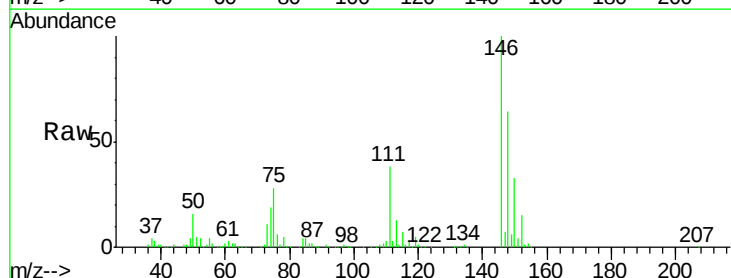
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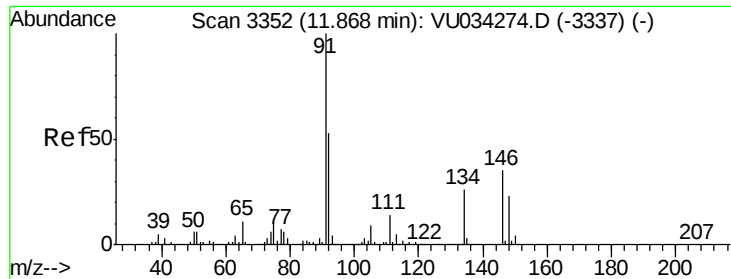
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#88
 1,4-Dichlorobenzene
 Concen: 19.727 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.3
148	63.2	32.0	96.0





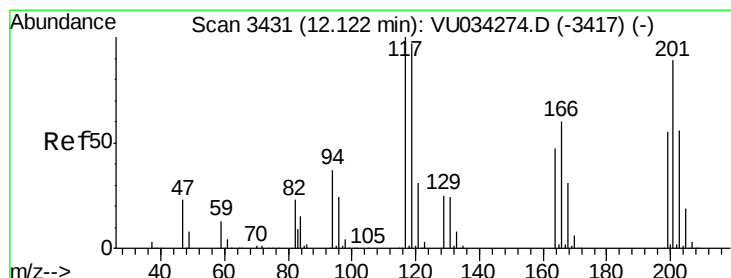
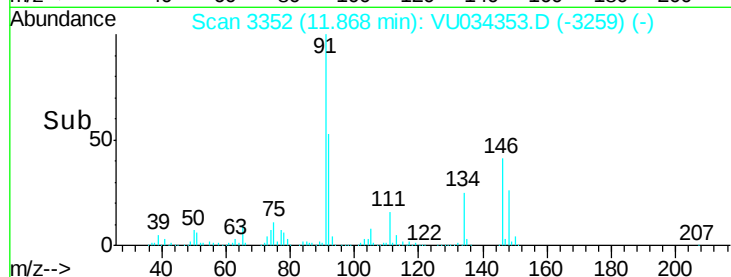
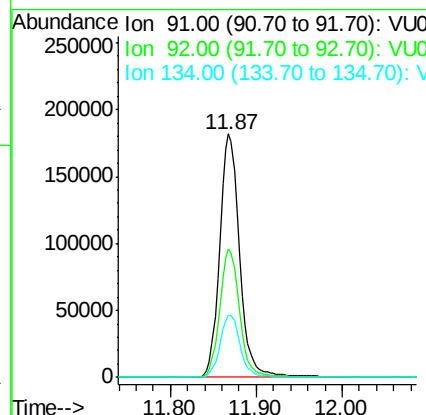
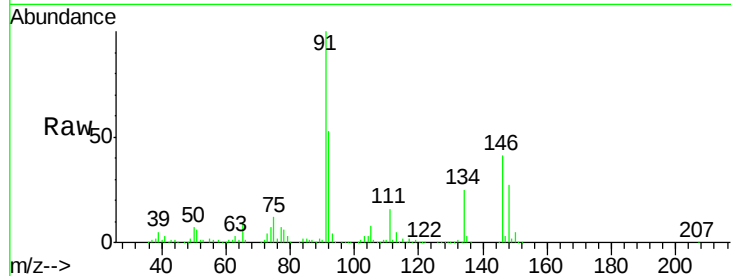
#89
n-Butylbenzene
Concen: 20.061 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.4
134	25.6	13.2	39.6

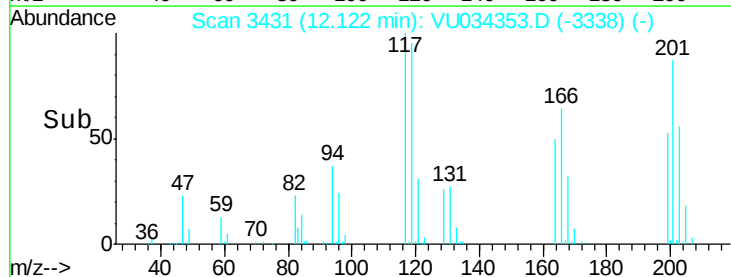
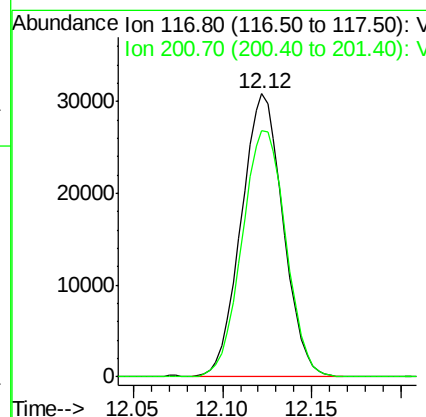
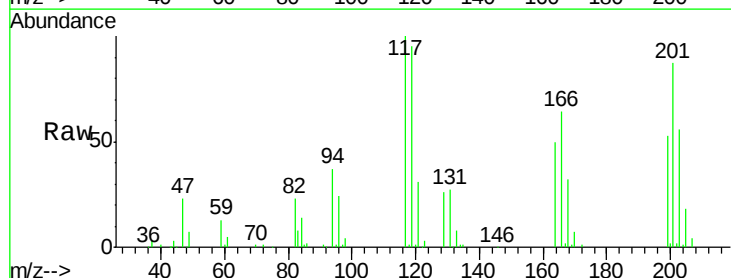
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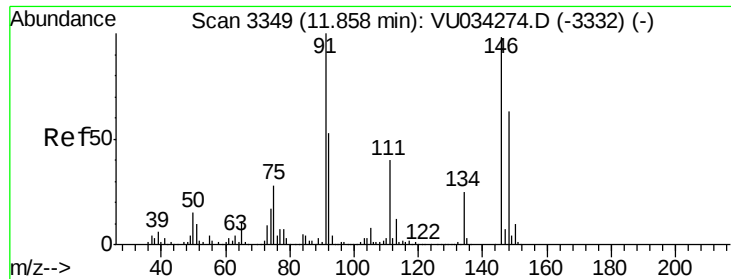
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#90
Hexachloroethane
Concen: 18.636 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034353.D
Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	44.1	132.4





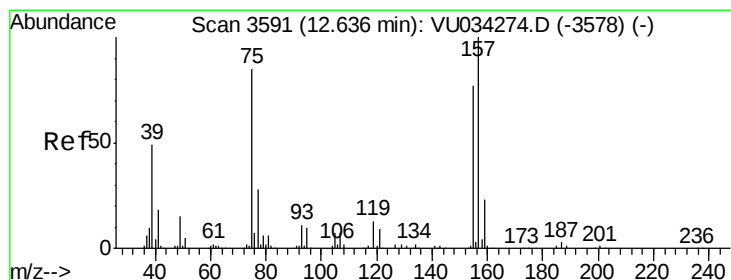
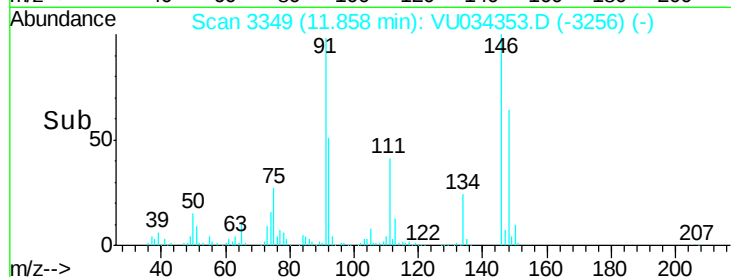
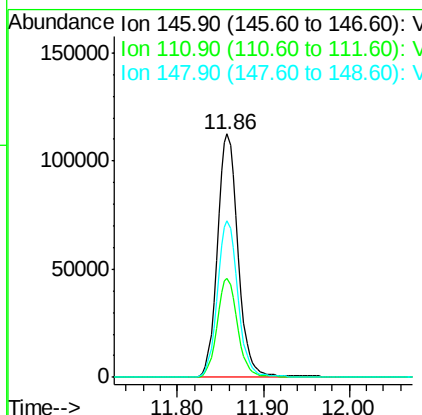
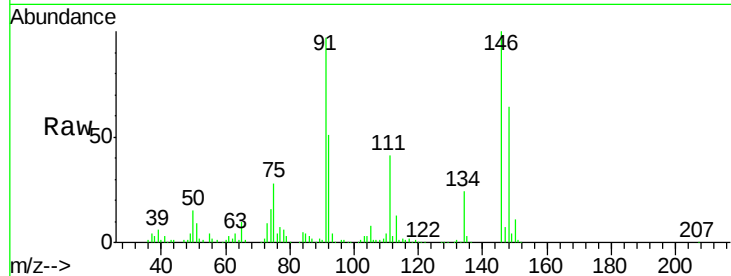
#91
 1,2-Dichlorobenzene
 Concen: 20.299 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.1	31.6	94.8

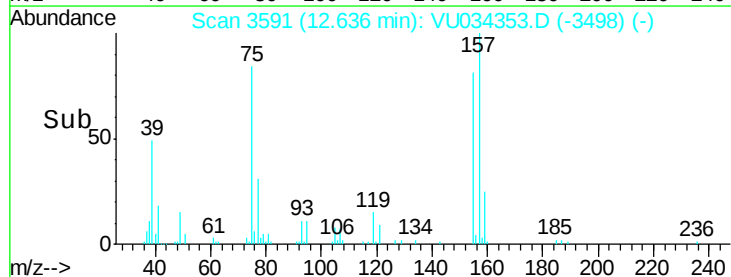
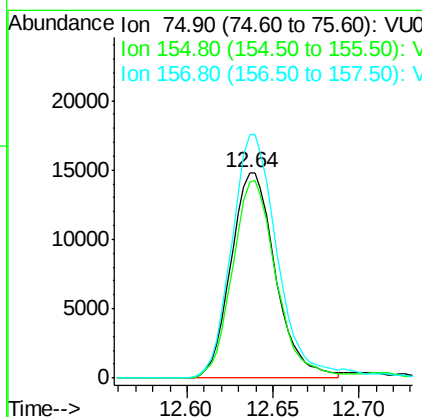
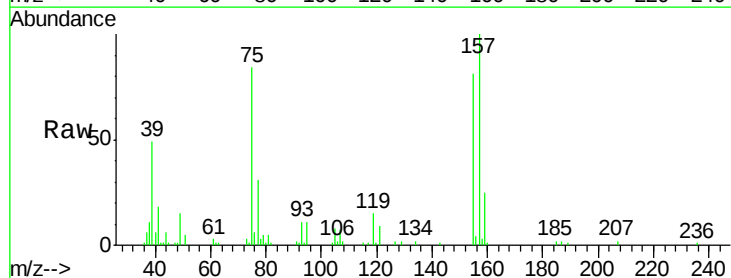
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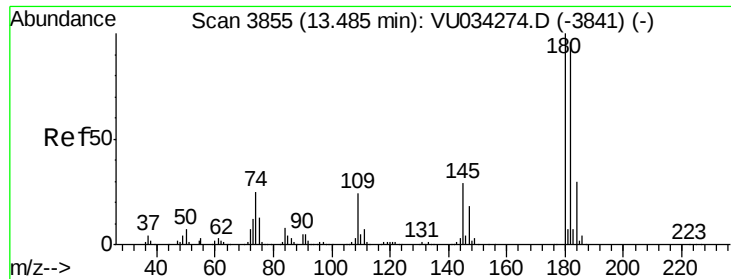
MMDadoda
 9/10/2019 1:30:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.350 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	44.6	134.0
157	123.3	58.2	174.6





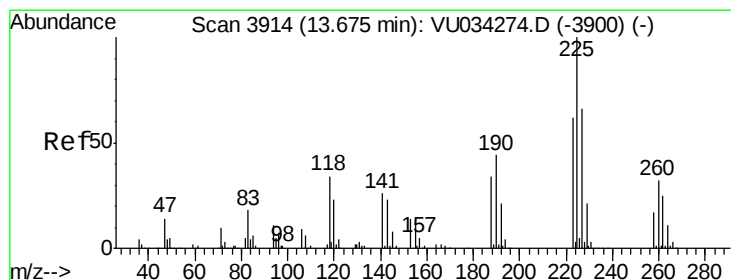
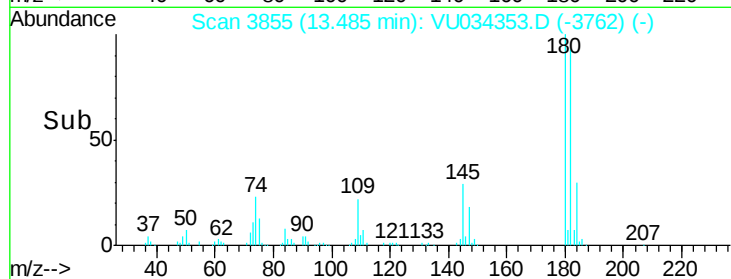
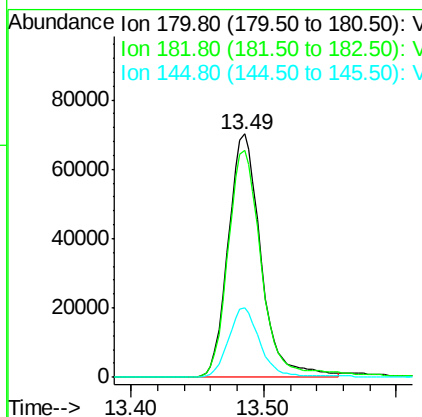
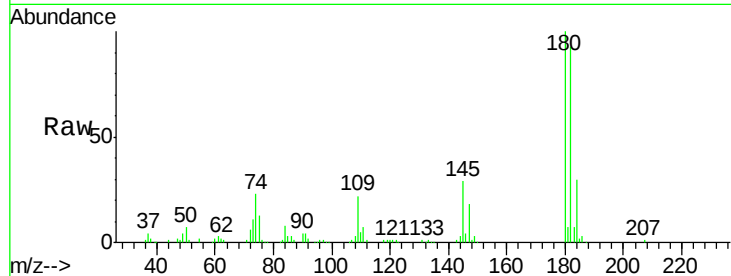
#93
 1,2,4-Trichlorobenzene
 Concen: 20.065 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.8
145	27.8	14.4	43.0

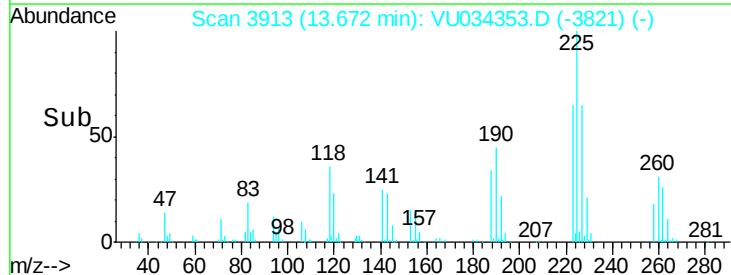
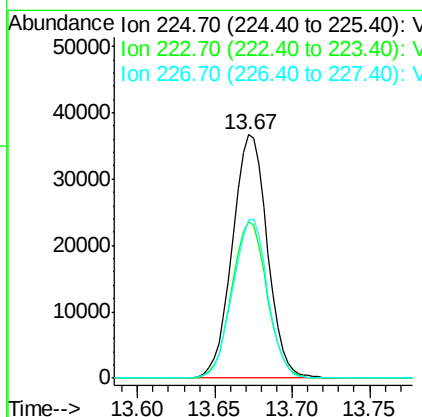
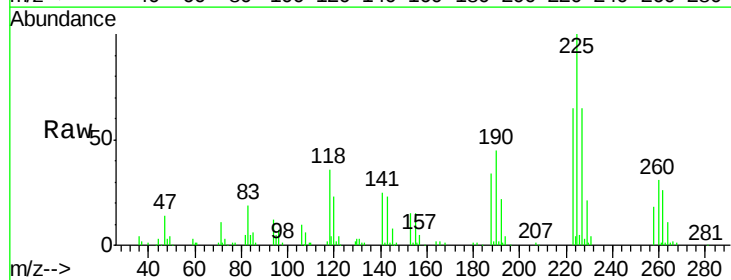
Manual Integrations
 APPROVED

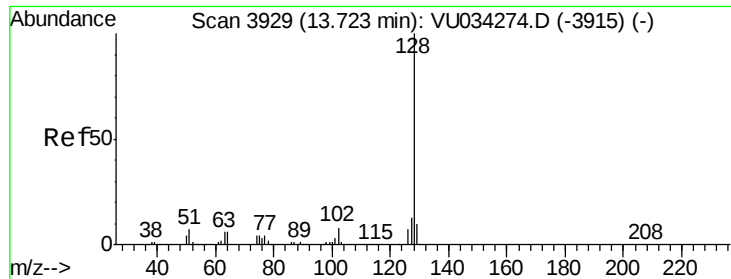
MMDadoda
 9/10/2019 1:30:53 PM



#94
 Hexachlorobutadiene
 Concen: 17.651 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034353.D
 Acq: 07 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.6	94.7
227	65.2	32.3	96.8





#95

Naphthalene

Concen: 20.651 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Instrument :

MSVOA_U

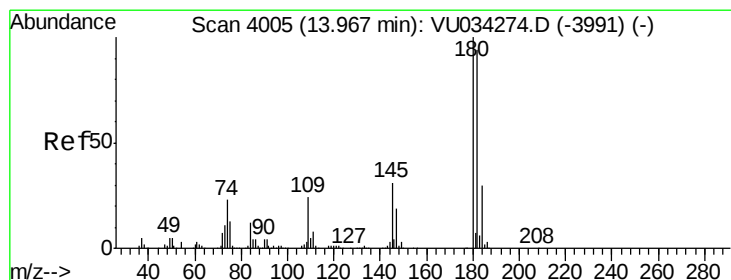
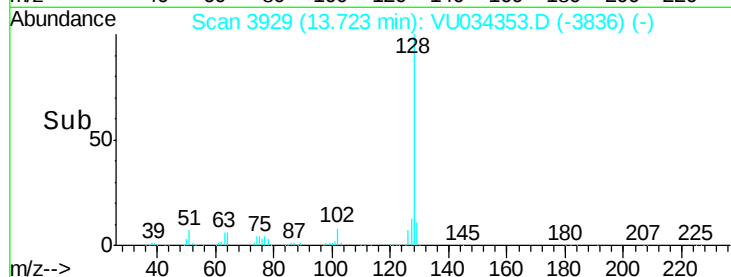
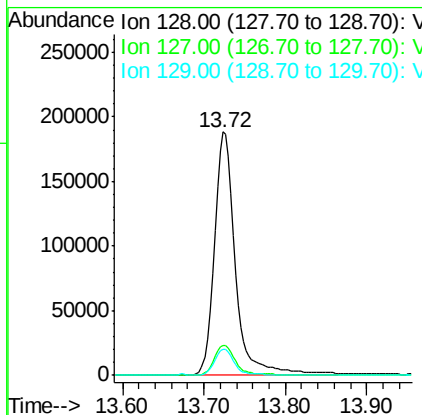
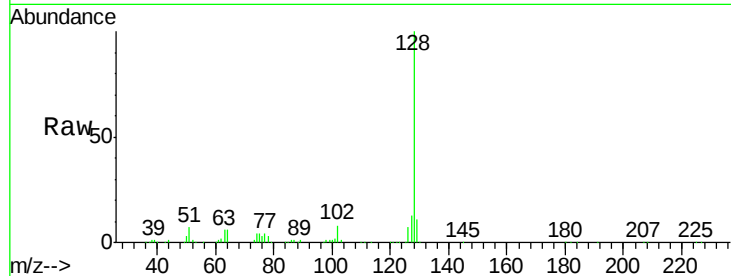
ClientSampleId :

VU0907WBSD02

Tot Ion:	128	Resp:	344665
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	10.2	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.319 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034353.D

Acq: 07 Sep 2019 00:41

Tgt Ion:	180	Resp:	121762
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.4	145.0
145	30.3	15.4	46.4

