

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034351.D
 Acq On : 06 Sep 2019 23:55
 Operator : JC/SP
 Sample : VU0907WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:30:47 PM

Quant Time: Sep 07 05:04:33 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	291221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	425351	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	426854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	280083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	223121	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	4.86	113	199391	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	7.55	98	786787	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	10.29	95	289474	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56778	18.642	ug/l	99
3) Chloromethane	1.32	50	67381	20.426	ug/l	99
4) Vinyl Chloride	1.40	62	70217	18.501	ug/l	98
5) Bromomethane	1.62	94	46765	21.885	ug/l	97
6) Chloroethane	1.69	64	45441	19.998	ug/l	98
7) Trichlorofluoromethane	1.88	101	96705	19.003	ug/l	99
8) Diethyl Ether	2.10	74	44426	19.847	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	64486	19.132	ug/l	99
10) Methyl Iodide	2.40	142	45187	17.373	ug/l	99
11) Tert butyl alcohol	2.81	59	92875	99.771	ug/l	100
12) 1,1-Dichloroethene	2.27	96	62725	19.796	ug/l	96
13) Acrolein	2.19	56	44137	56.413	ug/l	97
14) Allyl chloride	2.58	41	113809m	18.788	ug/l	
15) Acrylonitrile	2.92	53	239058	103.126	ug/l	99
16) Acetone	2.31	43	188339	82.597	ug/l	99
17) Carbon Disulfide	2.47	76	124576	17.494	ug/l	100
18) Methyl Acetate	2.60	43	107271	19.334	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	240008	20.782	ug/l	99
20) Methylene Chloride	2.69	84	79260	20.990	ug/l	97
21) trans-1,2-Dichloroethene	2.97	96	64882	19.432	ug/l	98
22) Diisopropyl ether	3.55	45	244981	20.738	ug/l	92
23) Vinyl Acetate	3.51	43	977785	101.614	ug/l	98
24) 1,1-Dichloroethane	3.43	63	136926	19.409	ug/l	99
25) 2-Butanone	4.24	43	302760	99.468	ug/l	98
26) 2,2-Dichloropropane	4.21	77	92792	16.354	ug/l	97
27) cis-1,2-Dichloroethene	4.21	96	83898	20.689	ug/l	96
28) Bromochloromethane	4.53	49	65478	20.179	ug/l	94
29) Tetrahydrofuran	4.62	42	191910	103.614	ug/l	98
30) Chloroform	4.65	83	140789	19.633	ug/l	97
31) Cyclohexane	4.97	56	100677	19.507	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	113419	19.783	ug/l	99
36) 1,1-Dichloropropene	5.12	75	89678	19.440	ug/l	99
37) Ethyl Acetate	4.36	43	108843	19.956	ug/l	99
38) Carbon Tetrachloride	5.11	117	96769	19.647	ug/l	98

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 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)
39) Methylcyclohexane	6.40	83	96439	19.557	ug/l	94
40) Benzene	5.37	78	297469	19.985	ug/l	100
41) Methacrylonitrile	4.52	41	60105	20.689	ug/l	97
42) 1,2-Dichloroethane	5.38	62	101344	19.610	ug/l	99
43) Isopropyl Acetate	5.53	43	170175	20.001	ug/l	98
44) Trichloroethene	6.17	130	84425	20.497	ug/l	98
45) 1,2-Dichloropropane	6.41	63	86509	19.880	ug/l	99
46) Dibromomethane	6.54	93	54079	19.799	ug/l	98
47) Bromodichloromethane	6.74	83	111128	19.765	ug/l	99
48) Methyl methacrylate	6.60	41	78656	19.464	ug/l	97
49) 1,4-Dioxane	6.59	88	38788	439.563	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	582235	98.862	ug/l	99
52) Toluene	7.62	92	191009	20.456	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	109989	18.871	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	125026	19.545	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	83768	19.757	ug/l	98
56) Ethyl methacrylate	8.00	69	119458	20.480	ug/l	99
57) 1,3-Dichloropropane	8.22	76	136802	19.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	182158	94.645	ug/l	99
59) 2-Hexanone	8.34	43	436266	99.159	ug/l	99
60) Dibromochloromethane	8.46	129	89572	19.696	ug/l	97
61) 1,2-Dibromoethane	8.57	107	83043	20.011	ug/l	98
64) Tetrachloroethene	8.21	164	74934	20.235	ug/l	99
65) Chlorobenzene	9.10	112	219348	20.255	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	81176	19.641	ug/l	98
67) Ethyl Benzene	9.23	91	363756	20.543	ug/l	99
68) m/p-Xylenes	9.35	106	281337	42.194	ug/l	99
69) o-Xylene	9.76	106	136927	20.999	ug/l	100
70) Styrene	9.77	104	243036	21.258	ug/l	98
71) Bromoform	9.94	173	69234	19.329	ug/l #	99
73) Isopropylbenzene	10.14	105	379305	20.810	ug/l	99
74) N-amyl acetate	9.99	43	148614	20.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	145773	19.758	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	118111m	19.319	ug/l	
77) Bromobenzene	10.43	156	105059	20.614	ug/l	97
78) n-propylbenzene	10.57	91	429606	20.408	ug/l	99
79) 2-Chlorotoluene	10.64	91	264707	20.609	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	321443	21.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	34360m	18.900	ug/l	
82) 4-Chlorotoluene	10.75	91	301973	20.430	ug/l	99
83) tert-Butylbenzene	11.08	119	315521	20.690	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	323514	21.083	ug/l	100
85) sec-Butylbenzene	11.30	105	379465	21.077	ug/l	100
86) p-Isopropyltoluene	11.45	119	346074	20.826	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	189117	20.335	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	190682	19.657	ug/l	99
89) n-Butylbenzene	11.87	91	285814	19.792	ug/l	99
90) Hexachloroethane	12.12	117	48409	18.209	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	185105	20.252	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	27265	20.111	ug/l	98

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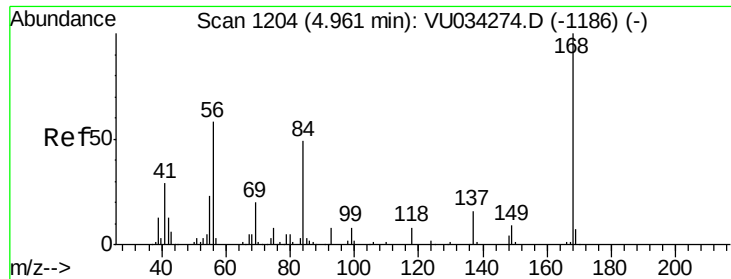
Manual Integrations
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9/10/2019 1:30:47 PM

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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)
93) 1,2,4-Trichlorobenzene	13.49	180	118119	20.041	ug/l	99
94) Hexachlorobutadiene	13.67	225	59097	18.484	ug/l	97
95) Naphthalene	13.72	128	338822	20.677	ug/l	98
96) 1,2,3-Trichlorobenzene	13.97	180	119133	20.264	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampled :

VU0907WBS02

Tot Ion:168 Resp: 291221

Ion Ratio Lower Upper

168 100

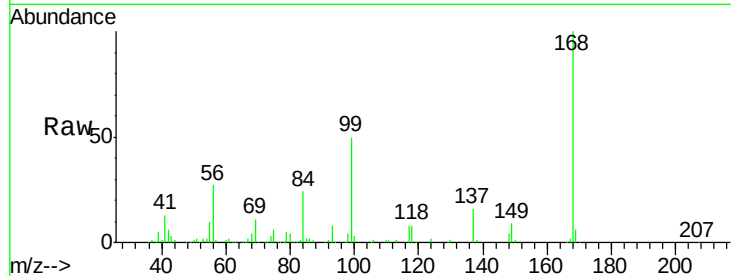
99 49.0 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

150000

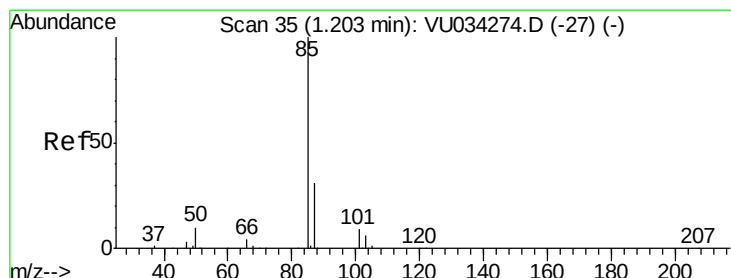
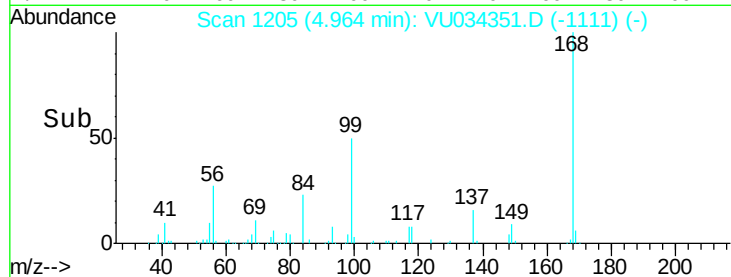
100000

50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.642 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034351.D

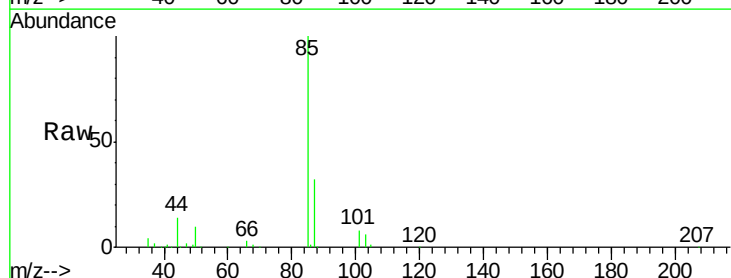
Acq: 06 Sep 2019 23:55

Tgt Ion: 85 Resp: 56778

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

60000

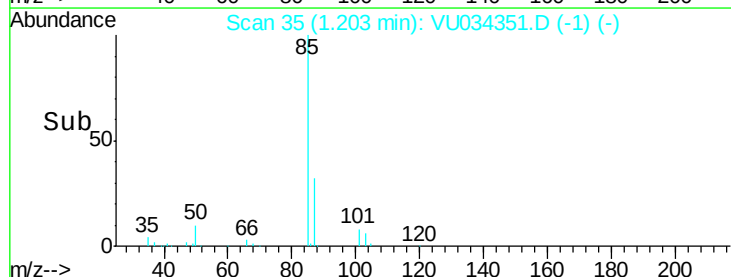
40000

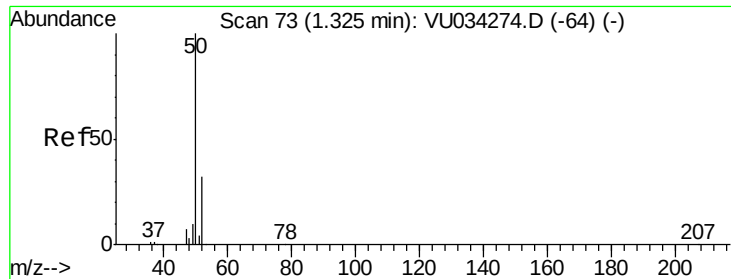
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.426 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tot Ion: 50 Resp: 67381

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.6

Instrument :

MSVOA_U

ClientSampleId :

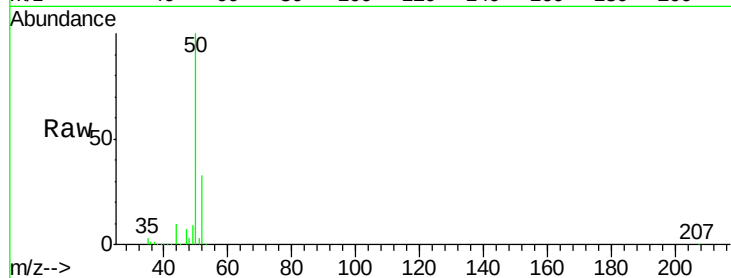
VU0907WBS02

Manual Integrations

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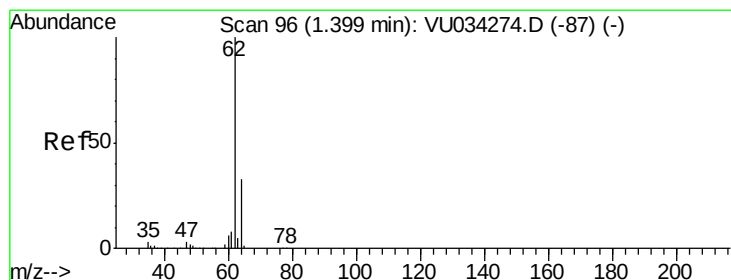
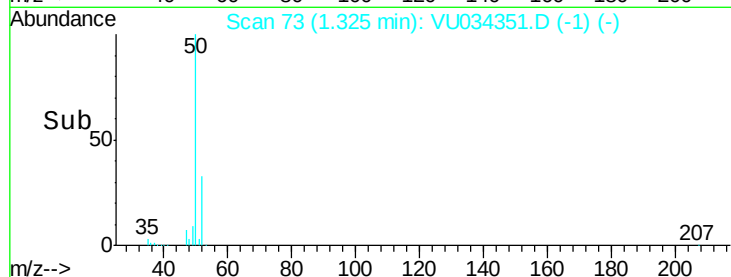
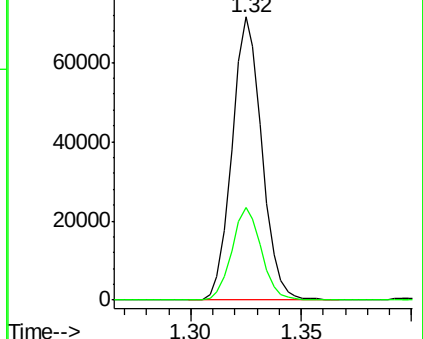
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.501 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034351.D

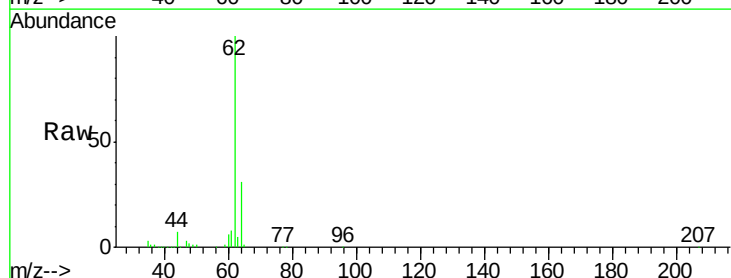
Acq: 06 Sep 2019 23:55

Tgt Ion: 62 Resp: 70217

Ion Ratio Lower Upper

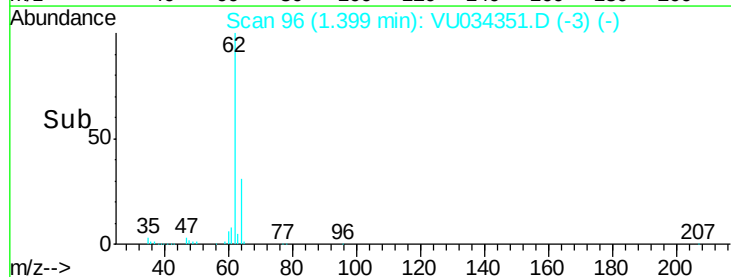
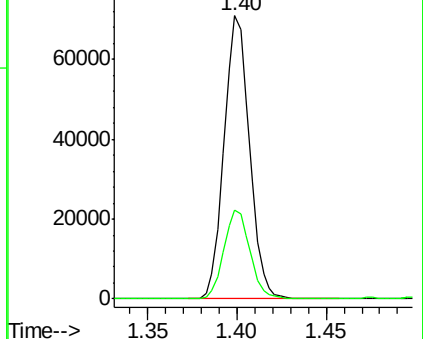
62 100

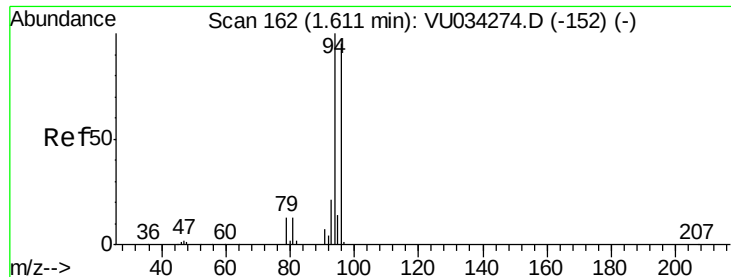
64 31.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 21.885 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

Tot Ion: 94 Resp: 46765

Ion Ratio Lower Upper

94 100

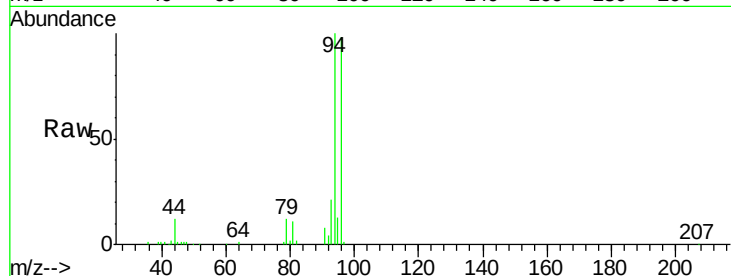
96 97.5 75.7 113.5

Manual Integrations

APPROVED

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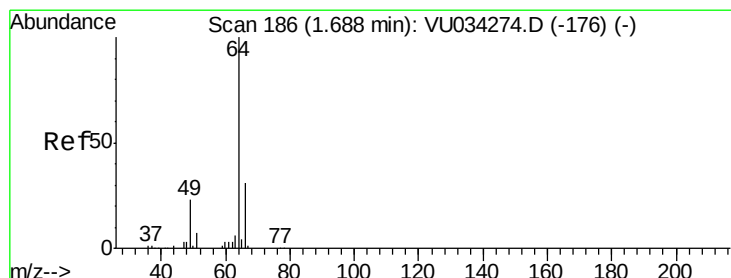
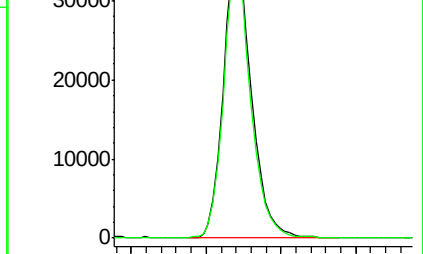
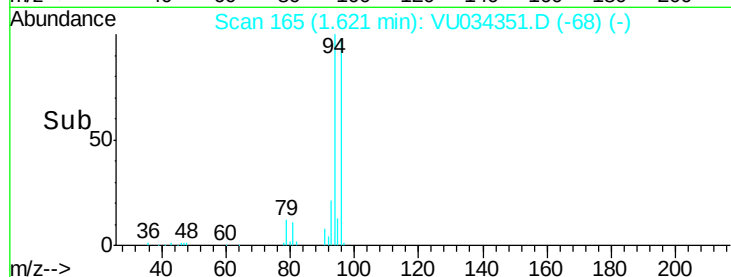


Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.62

Time-->



#6

Chloroethane

Concen: 19.998 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034351.D

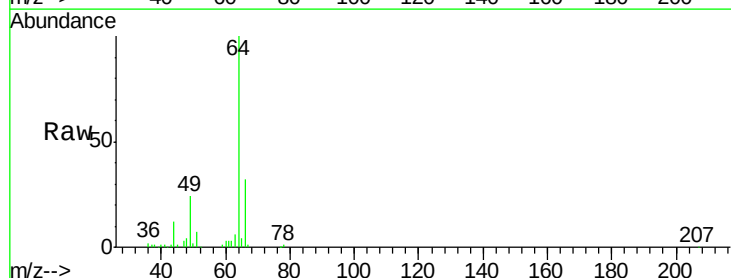
Acq: 06 Sep 2019 23:55

Tgt Ion: 64 Resp: 45441

Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.6

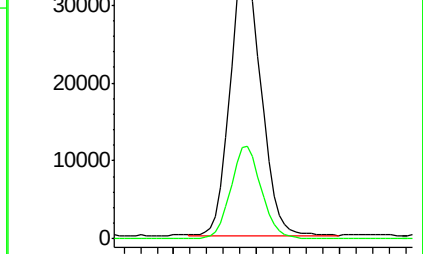
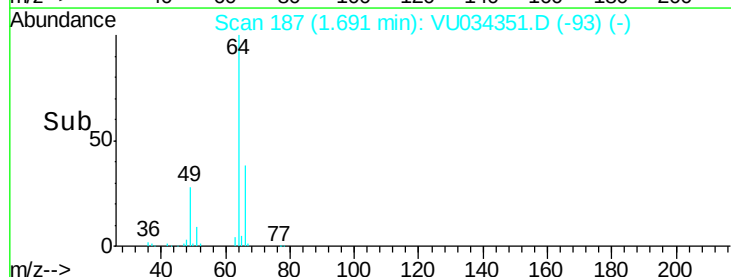


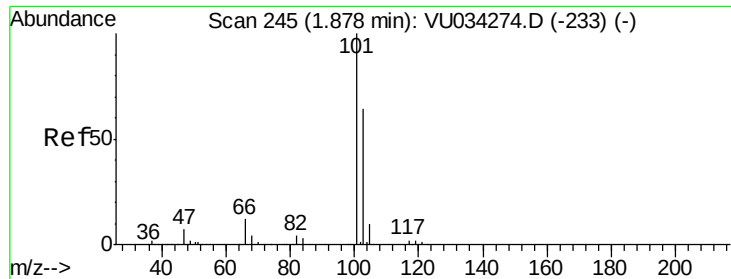
Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)

1.69

Time-->





#7

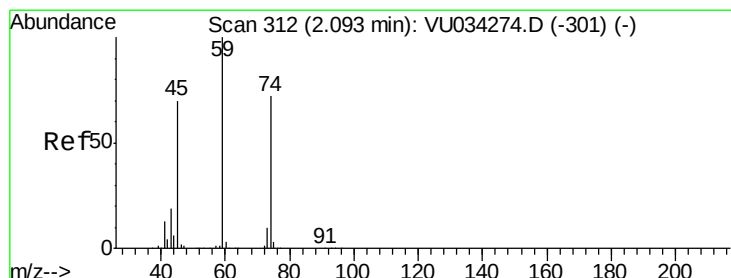
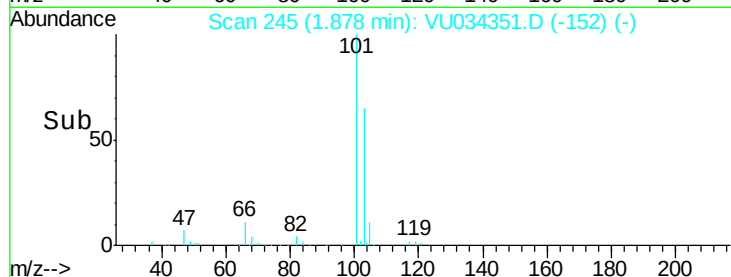
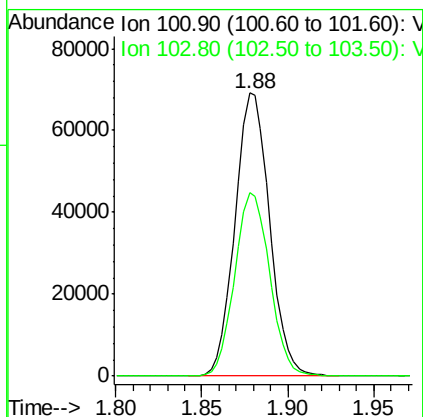
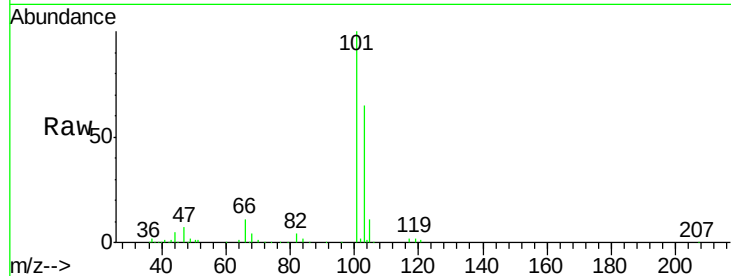
Trichlorofluoromethane
Concen: 19.003 ug/l
RT: 1.88 min Scan# 245
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
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ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.6

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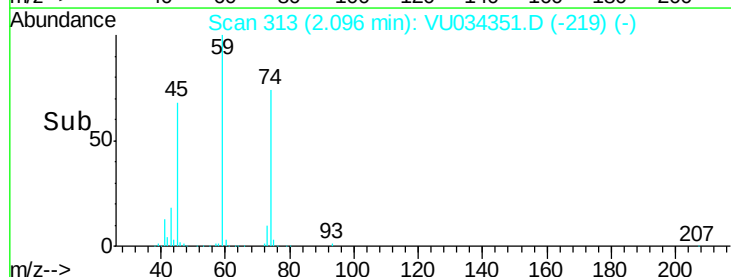
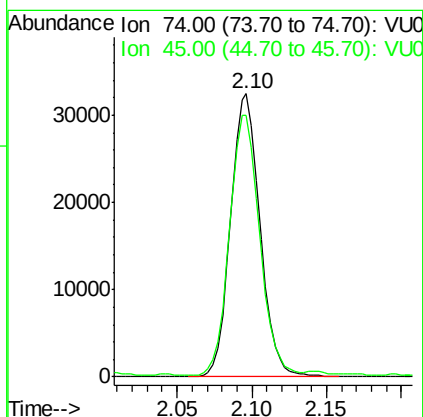
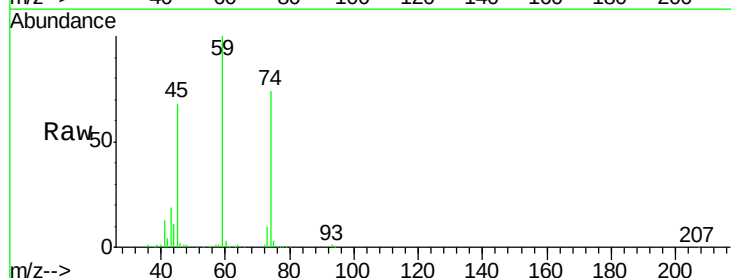
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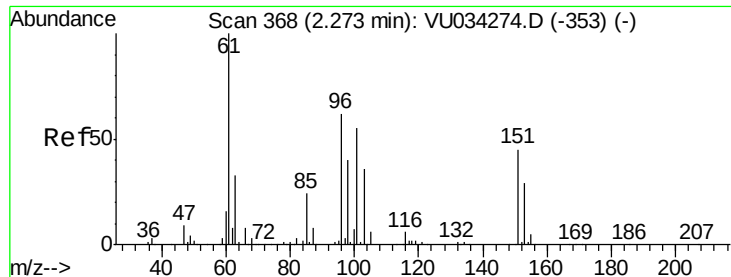


#8

Diethyl Ether
Concen: 19.847 ug/l
RT: 2.10 min Scan# 313
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.132 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

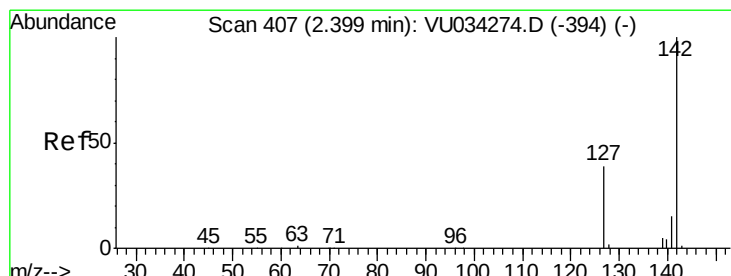
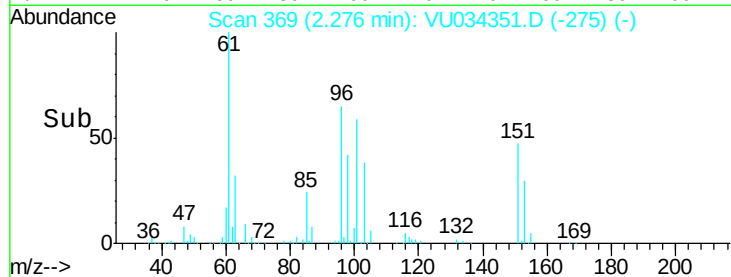
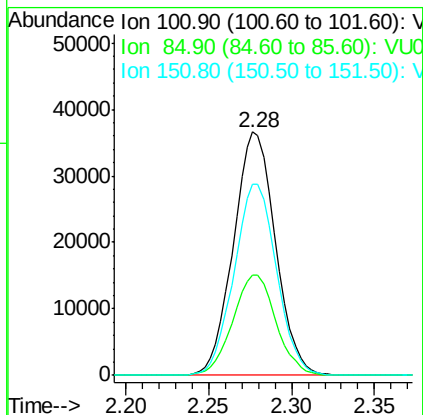
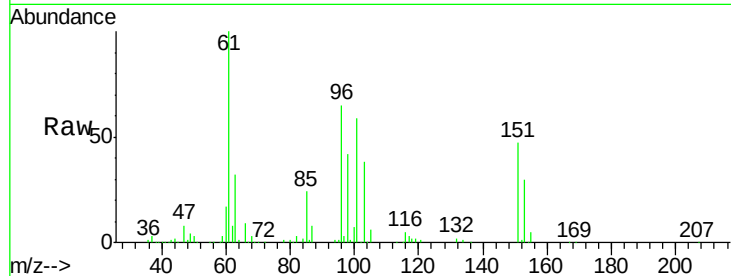
ClientSampleId :

VU0907WBS02

Tot Ion:	101	Resp:	64486
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.4	51.6
151	79.6	64.4	96.6

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#10

Methyl Iodide

Concen: 17.373 ug/l

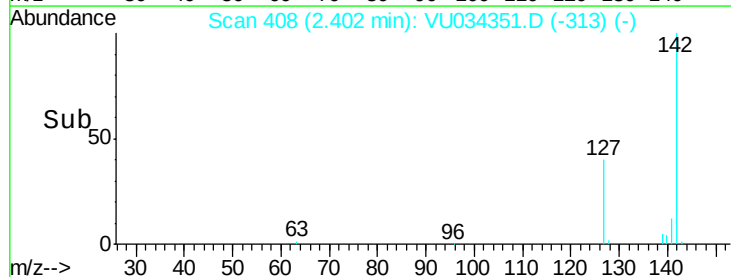
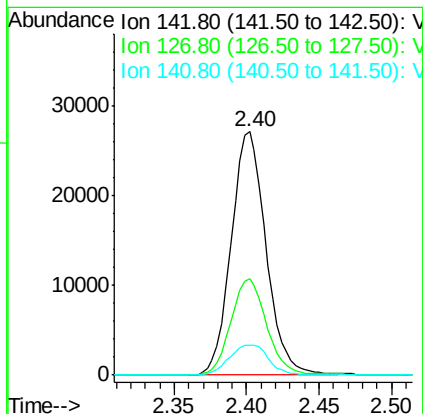
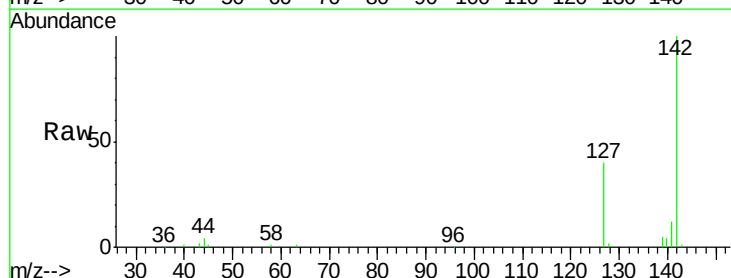
RT: 2.40 min Scan# 408

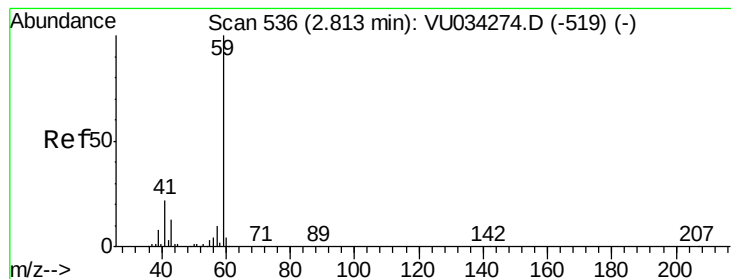
Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tgt Ion:	142	Resp:	45187
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.1	48.1
141	13.9	11.5	17.3





#11

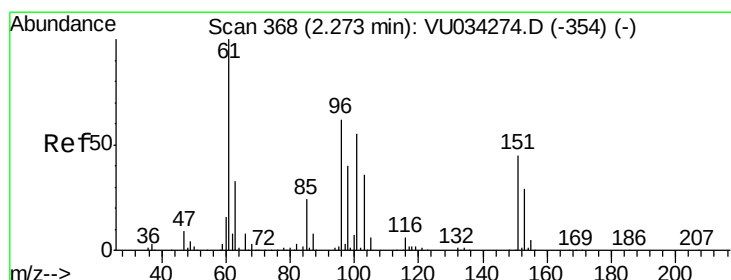
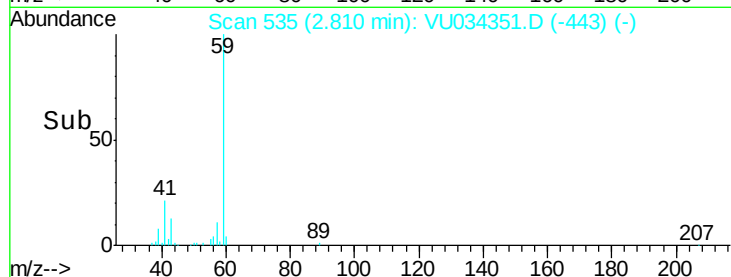
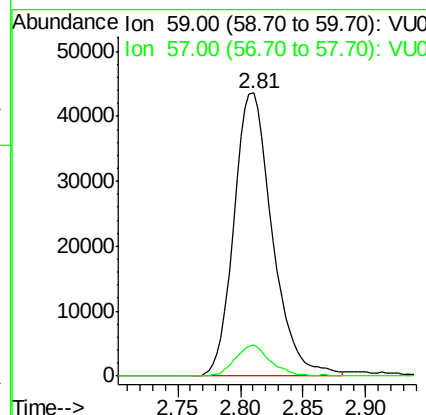
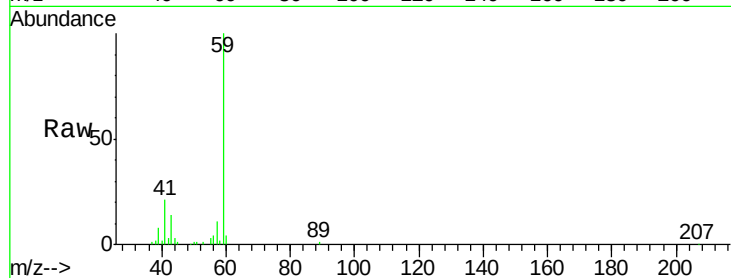
Tert butyl alcohol
 Concen: 99.771 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion	59.00	Resp	92875
Ion Ratio	100	Lower	Upper
59	100		
57	10.0	7.9	11.9

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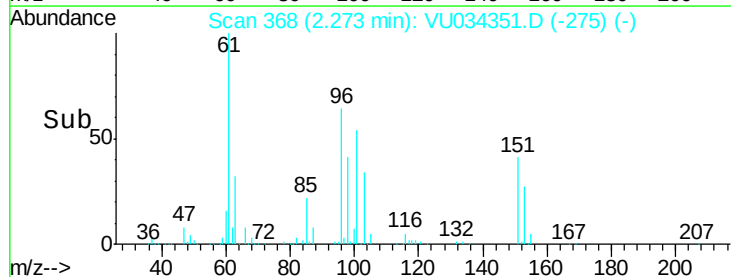
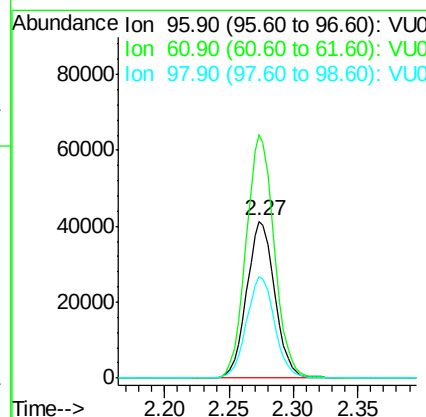
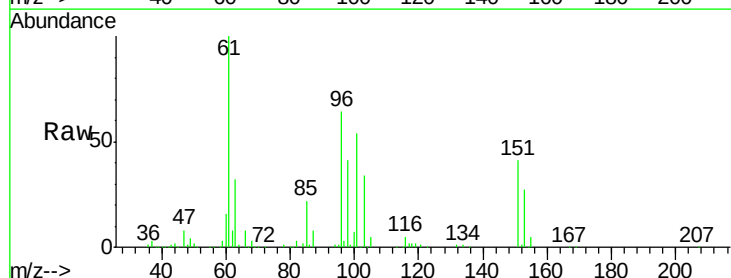
MMDadoda
 9/10/2019 1:30:47 PM

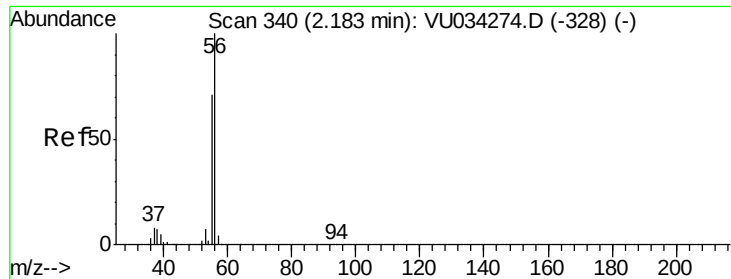


#12

1,1-Dichloroethene
 Concen: 19.796 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	96	Resp	62725
Ion Ratio	100	Lower	Upper
96	100		
61	155.4	130.0	195.0
98	64.5	52.2	78.4





#13

Acrolein

Concen: 56.413 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

Tot Ion: 56 Resp: 44137

Ion Ratio Lower Upper

56 100

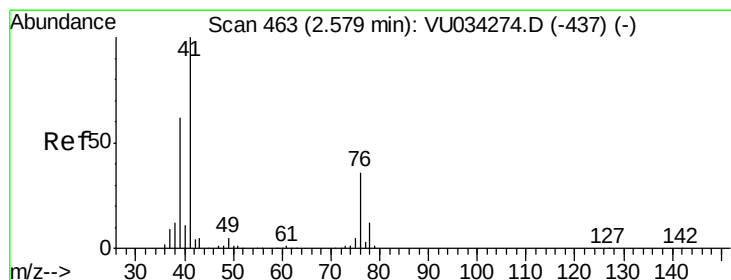
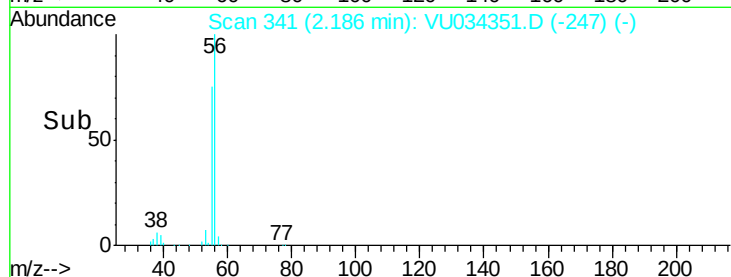
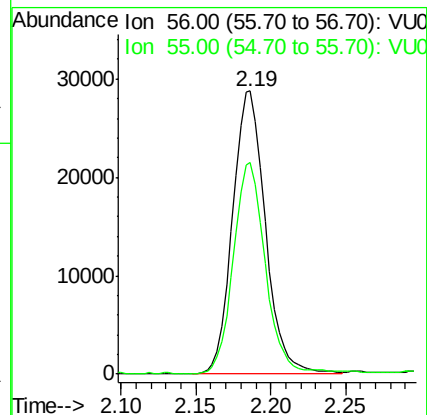
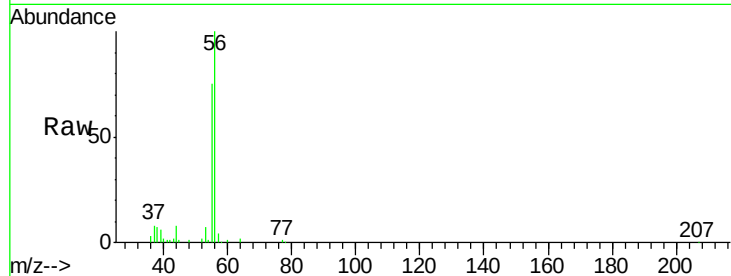
55 74.3 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 18.788 ug/l m

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

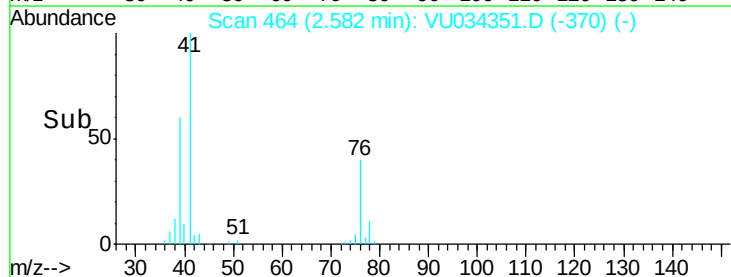
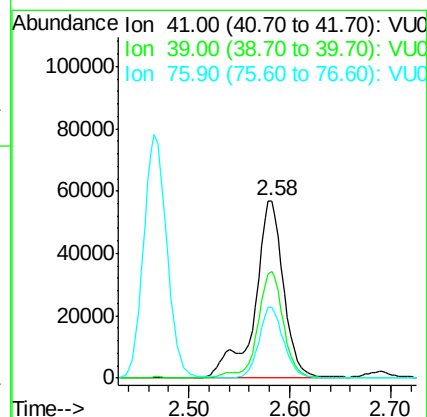
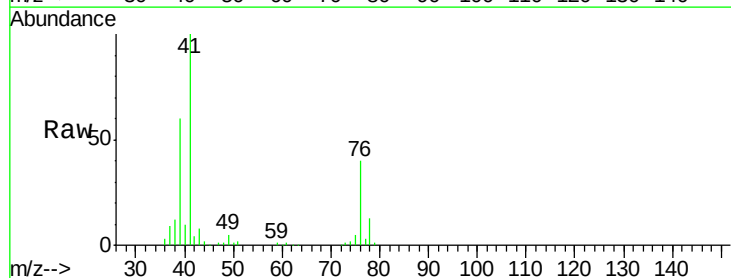
Tgt Ion: 41 Resp: 113809

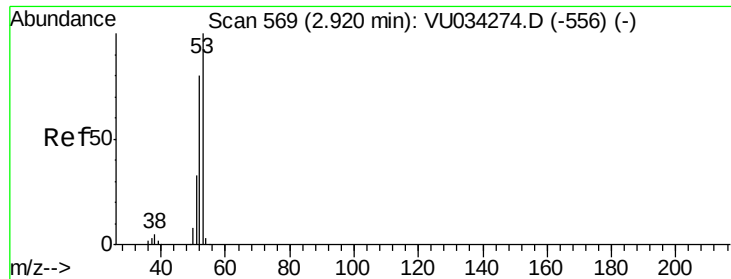
Ion Ratio Lower Upper

41 100

39 53.4 43.5 65.3

76 33.4 27.0 40.6





#15

Acrylonitrile

Concen: 103.126 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

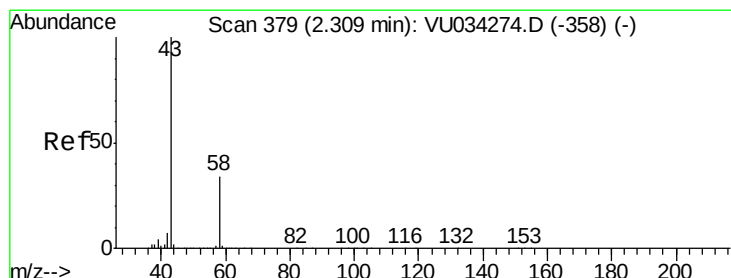
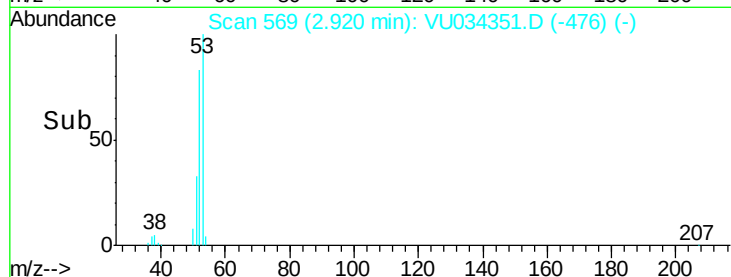
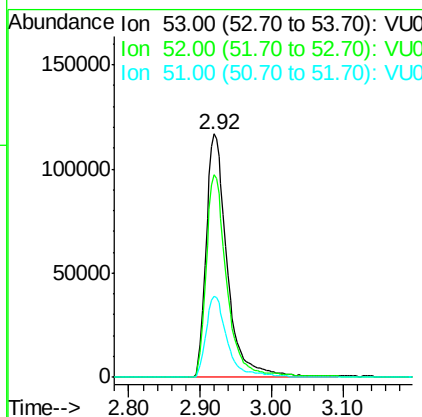
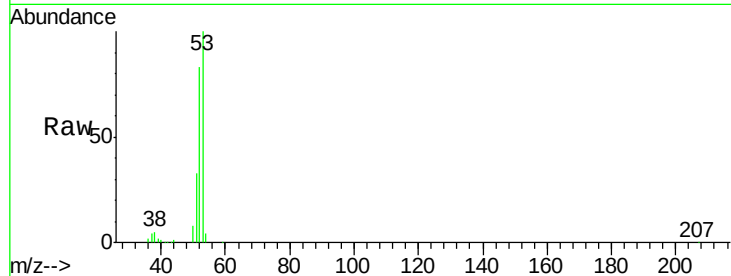
ClientSampleId :

VU0907WBS02

Tot Ion	53	Resp	239058
Ion	Ratio	Lower	Upper
53	100		
52	81.0	64.1	96.1
51	33.8	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 82.597 ug/l

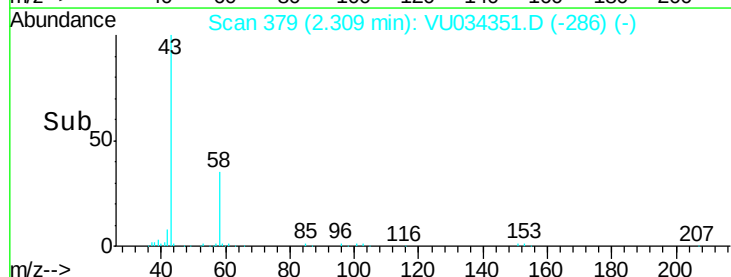
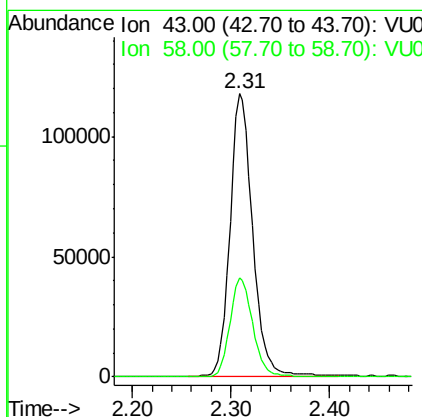
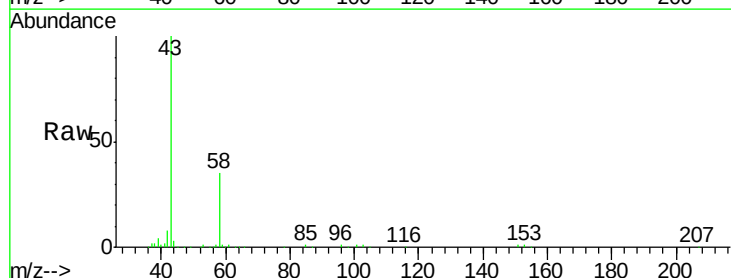
RT: 2.31 min Scan# 379

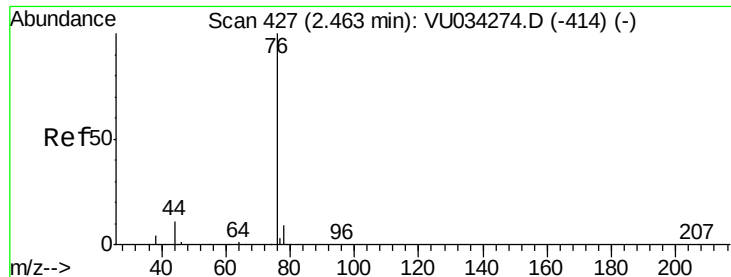
Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tgt Ion	43	Resp	188339
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.6	41.4





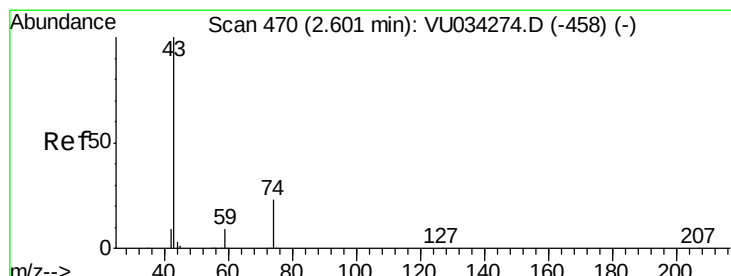
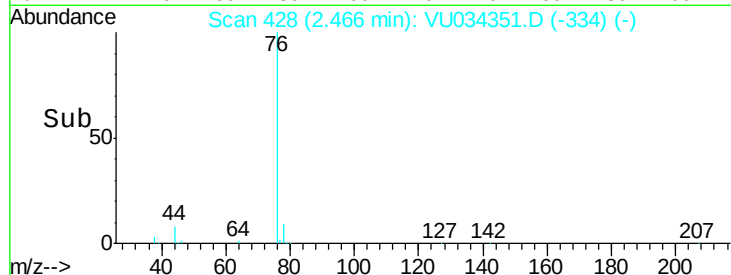
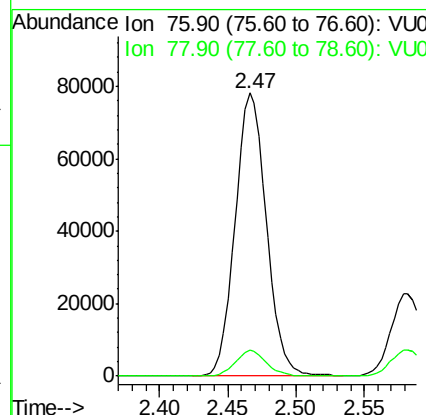
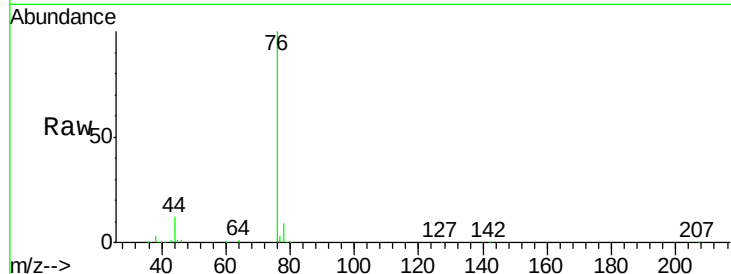
#17
Carbon Disulfide
Concen: 17.494 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

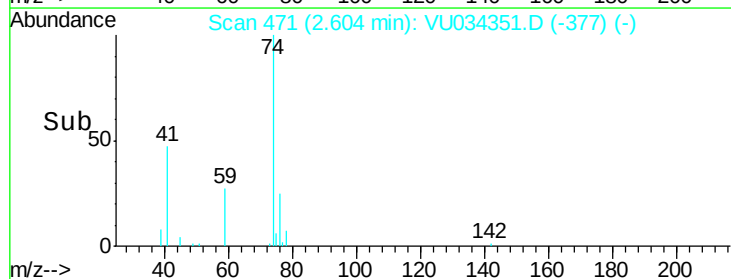
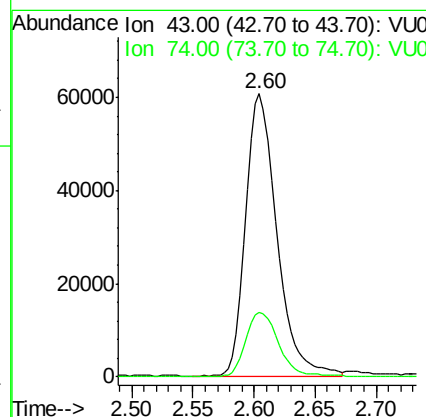
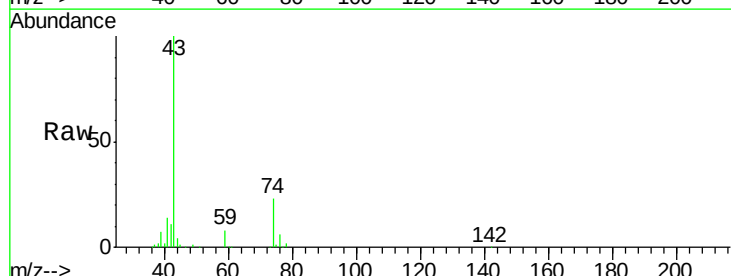
Manual Integrations
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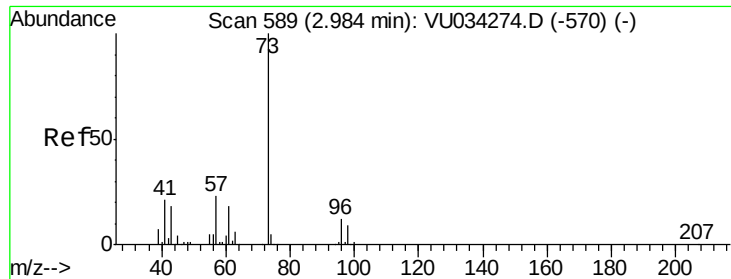
MMDadoda
9/10/2019 1:30:47 PM



#18
Methyl Acetate
Concen: 19.334 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.9	28.3





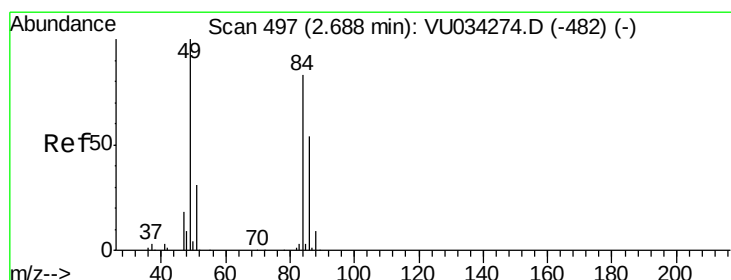
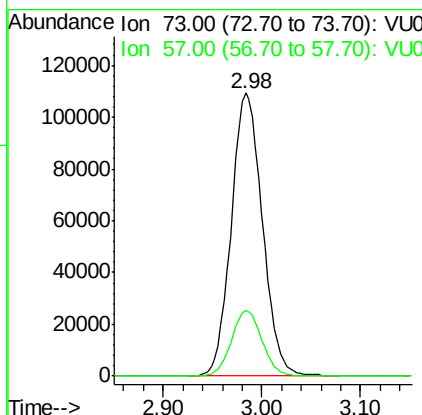
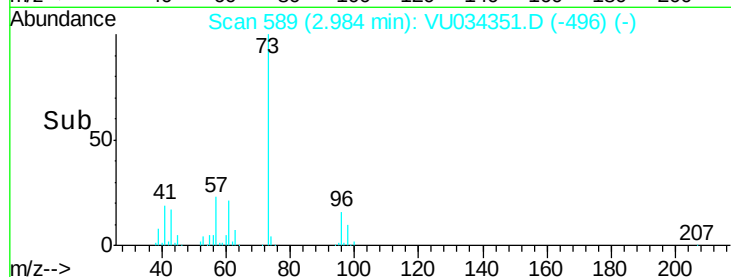
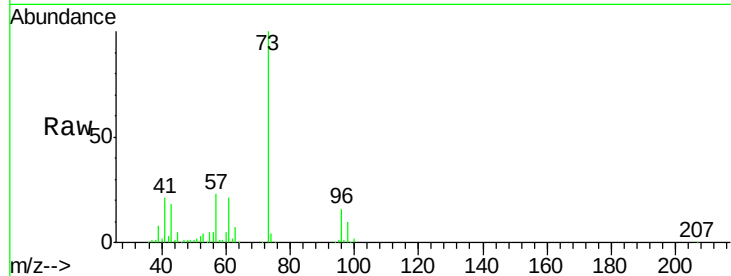
#19
Methyl tert-butyl Ether
Concen: 20.782 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion: 73 Resp: 240008
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.4

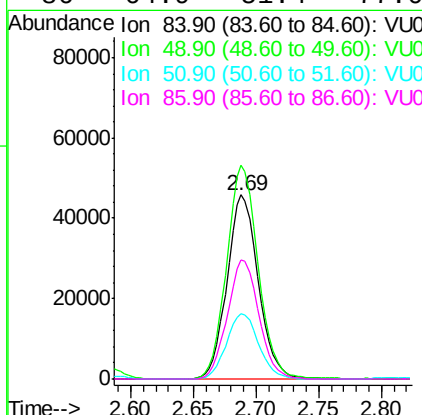
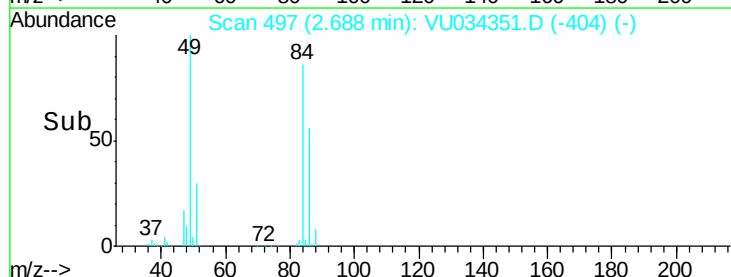
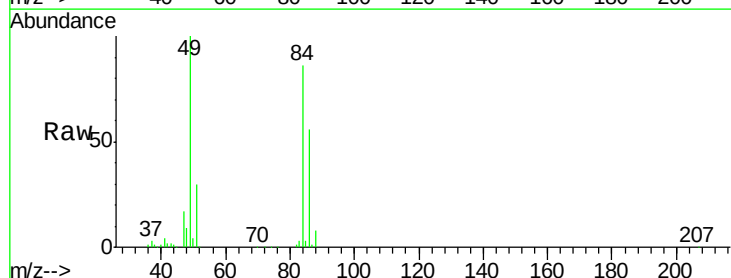
Manual Integrations
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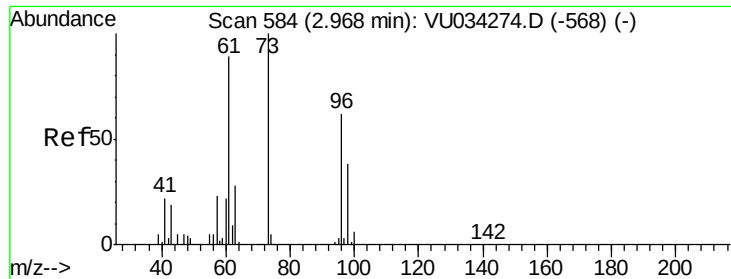
MMDadoda
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#20
Methylene Chloride
Concen: 20.990 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion: 84 Resp: 79260
Ion Ratio Lower Upper
84 100
49 116.1 96.0 144.0
51 35.3 30.0 45.0
86 64.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.432 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

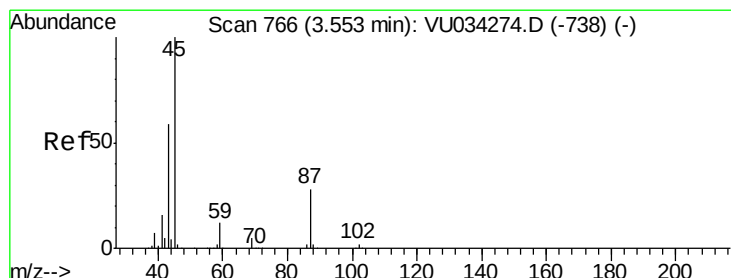
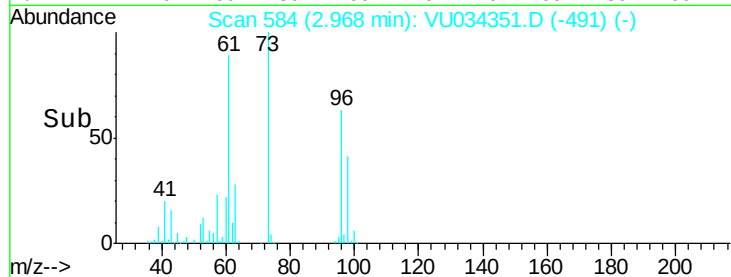
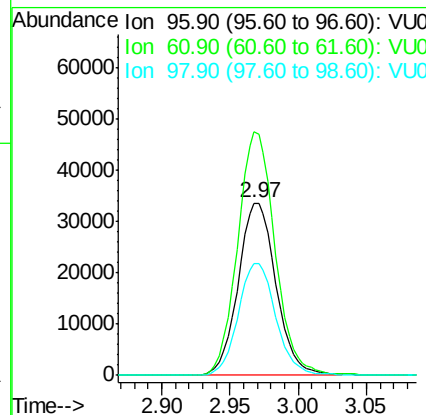
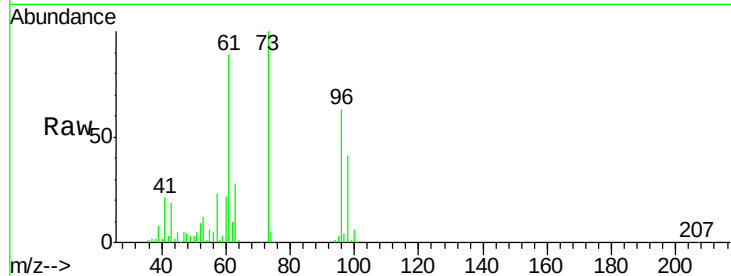
ClientSampleId :

VU0907WBS02

Tot Ion:	96	Resp:	64882
Ion	Ratio	Lower	Upper
96	100		
61	141.3	114.8	172.2
98	65.1	49.8	74.8

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#22

Diisopropyl ether

Concen: 20.738 ug/l

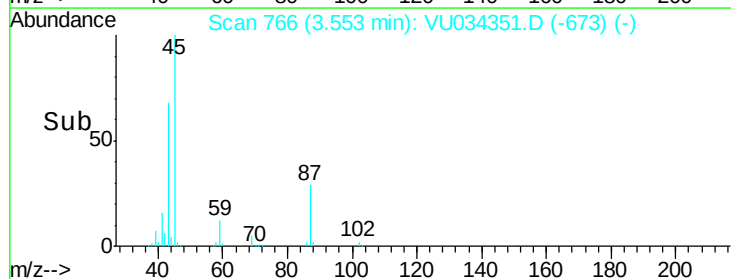
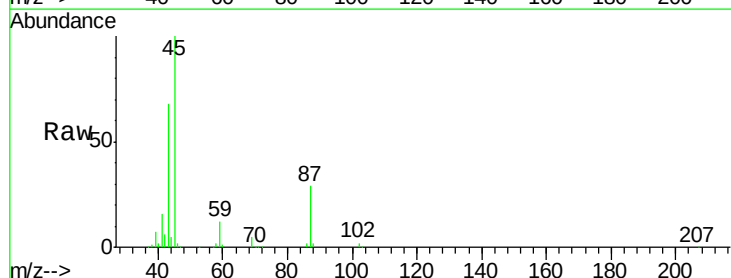
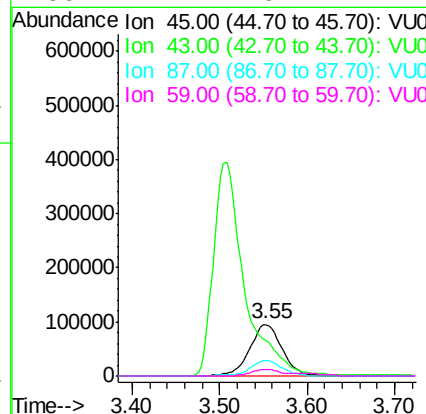
RT: 3.55 min Scan# 766

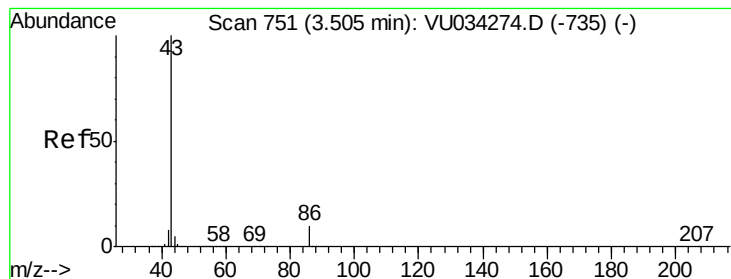
Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tgt Ion:	45	Resp:	244981
Ion	Ratio	Lower	Upper
45	100		
43	67.8	47.5	71.3
87	29.5	22.2	33.4
59	12.4	9.4	14.2





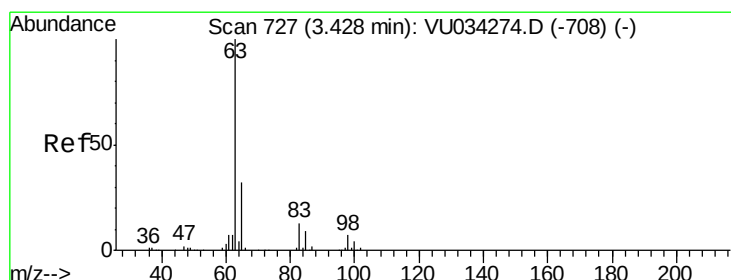
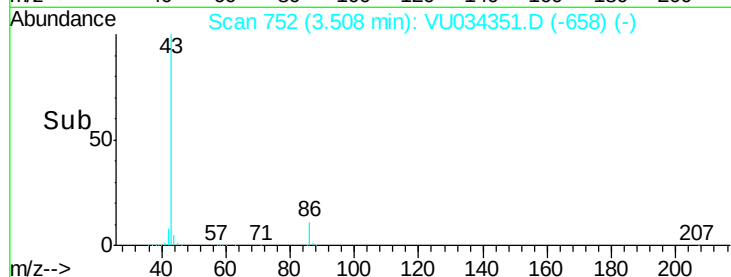
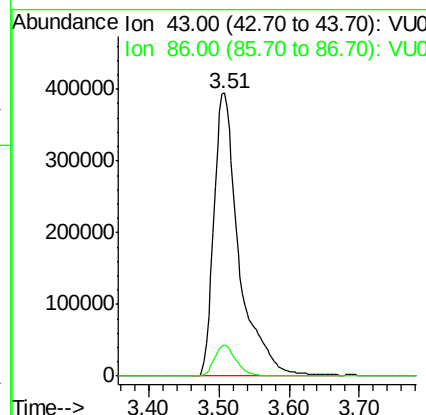
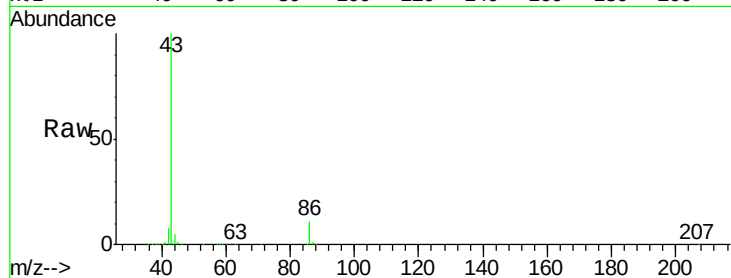
#23
 Vinyl Acetate
 Concen: 101.614 ug/l
 RT: 3.51 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion	43	Resp	977785
Ion Ratio	100	Lower	Upper
43	100		
86	11.0	8.3	12.5

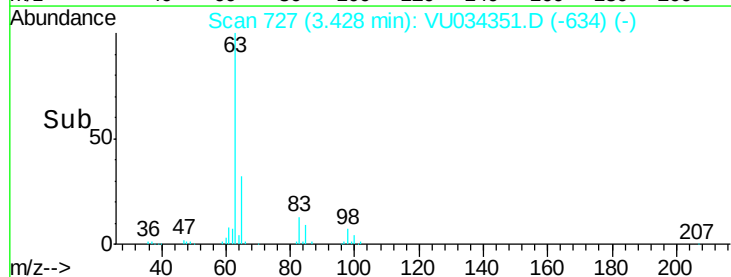
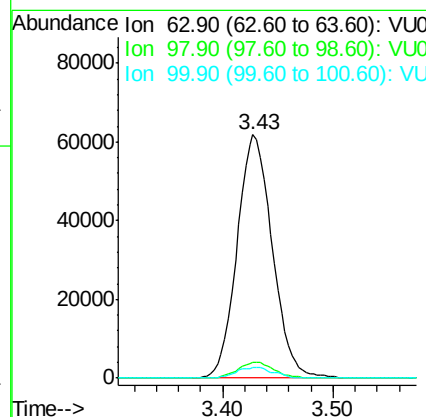
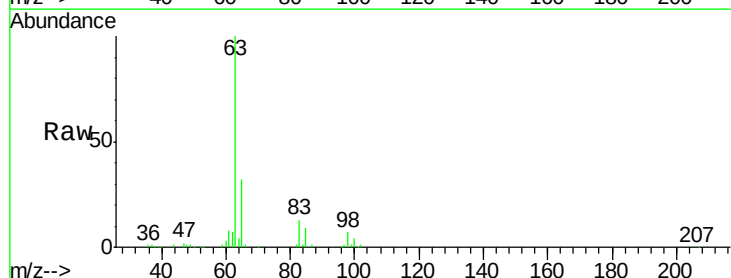
Manual Integrations
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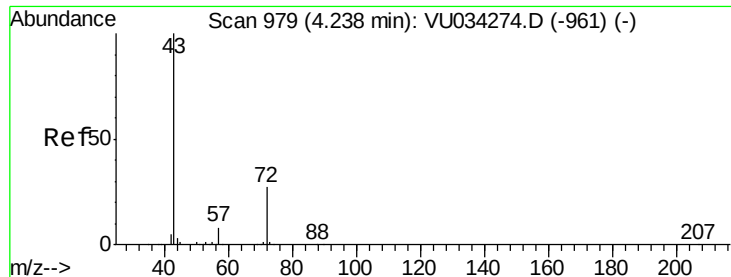
MMDadoda
 9/10/2019 1:30:47 PM



#24
 1,1-Dichloroethane
 Concen: 19.409 ug/l
 RT: 3.43 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	63	Resp	136926
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	3.5	10.4
100	4.2	2.1	6.5





#25

2-Butanone

Concen: 99.468 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

Tot Ion: 43 Resp: 302760

Ion Ratio Lower Upper

43 100

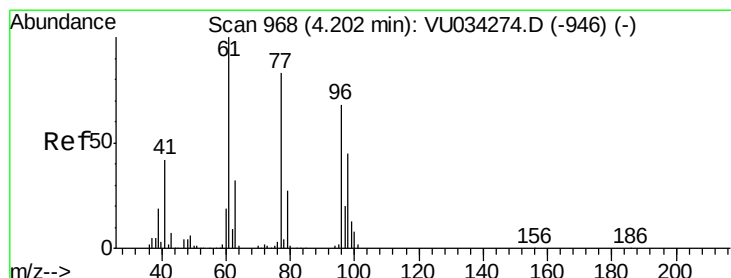
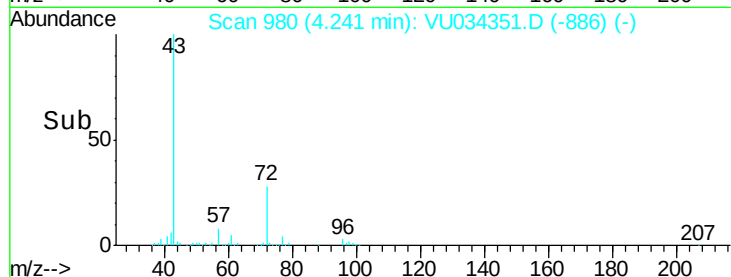
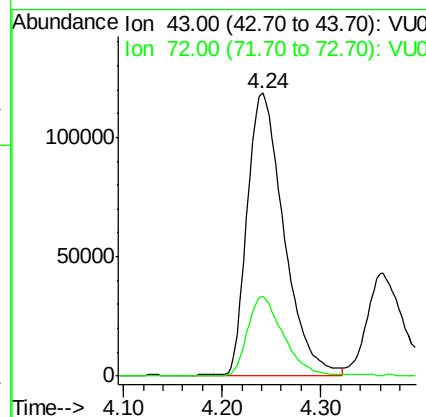
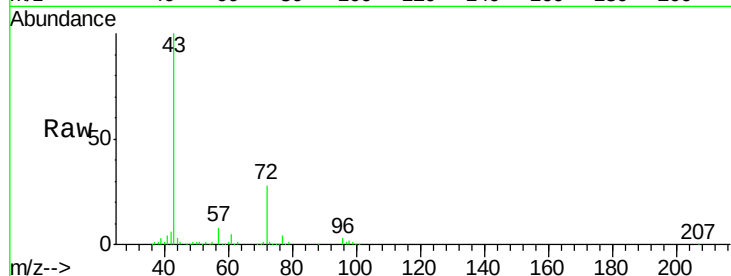
72 28.3 21.8 32.6

Manual Integrations

APPROVED

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9/10/2019 1:30:47 PM



#26

2,2-Dichloropropane

Concen: 16.354 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034351.D

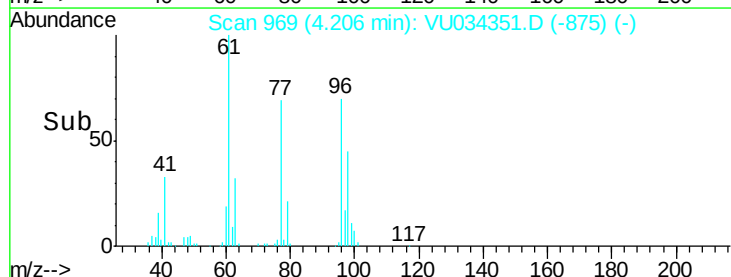
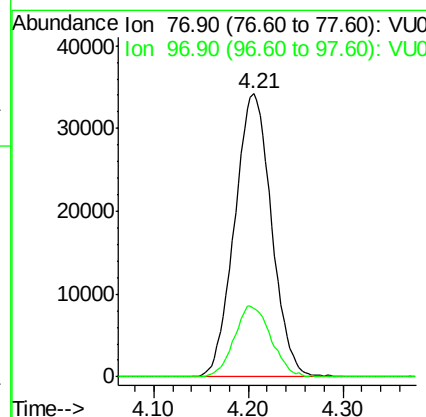
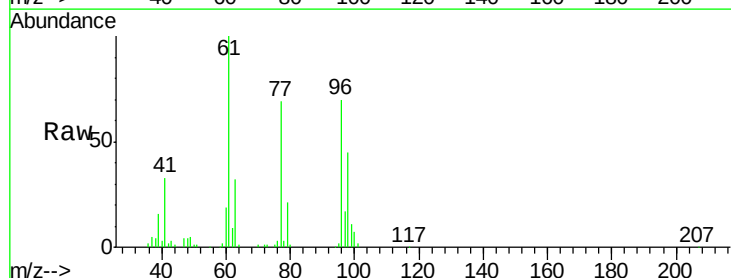
Acq: 06 Sep 2019 23:55

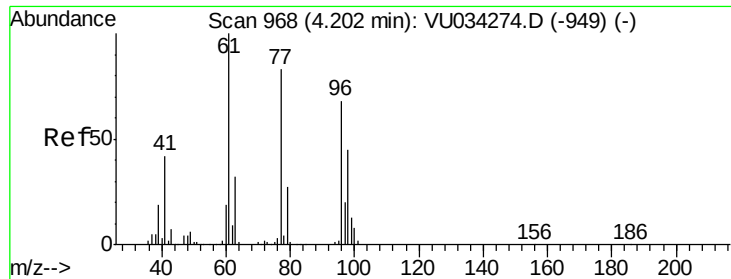
Tgt Ion: 77 Resp: 92792

Ion Ratio Lower Upper

77 100

97 24.9 11.8 35.3





#27

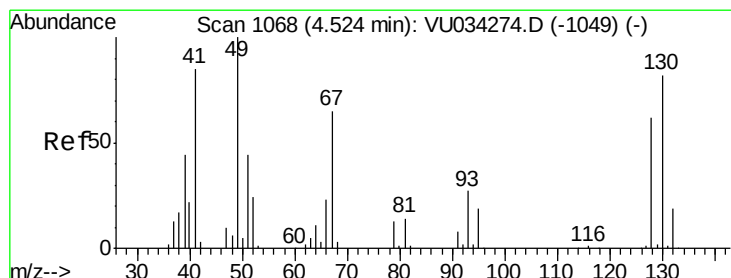
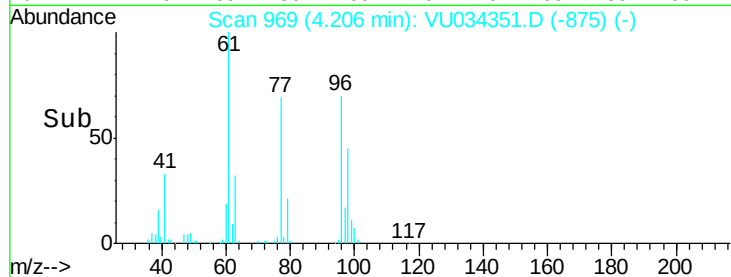
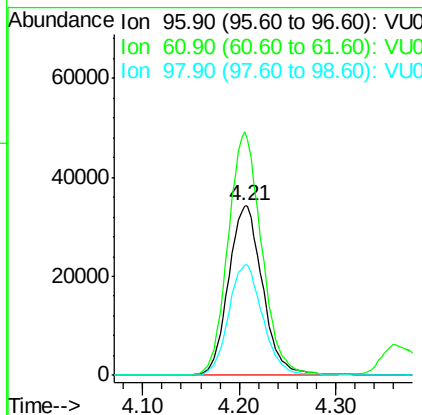
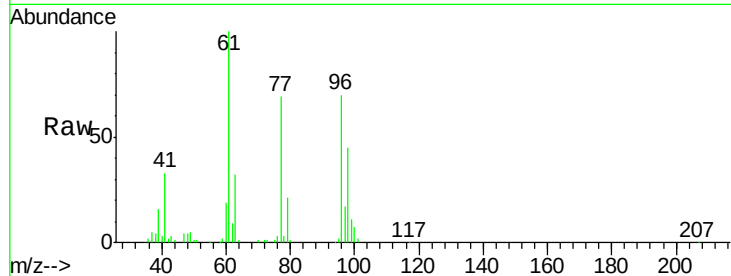
cis-1,2-Dichloroethene
Concen: 20.689 ug/l
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.6	0.0	297.4	
98	64.8	0.0	130.0	

Manual Integrations
APPROVED

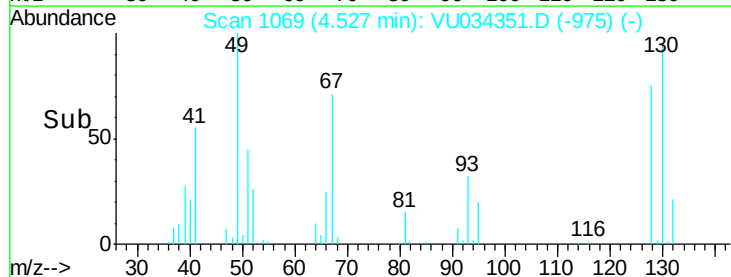
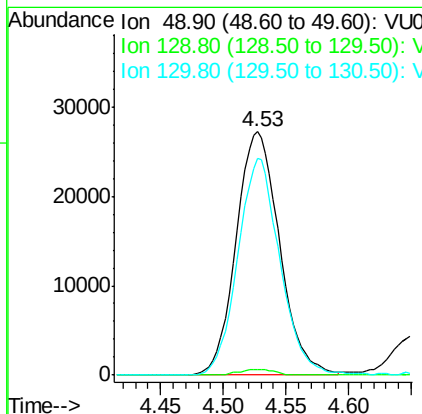
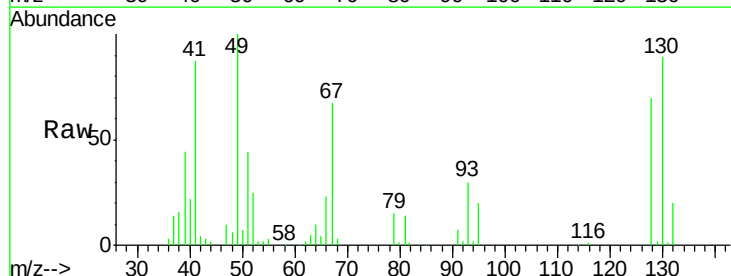
MMDadoda
9/10/2019 1:30:47 PM

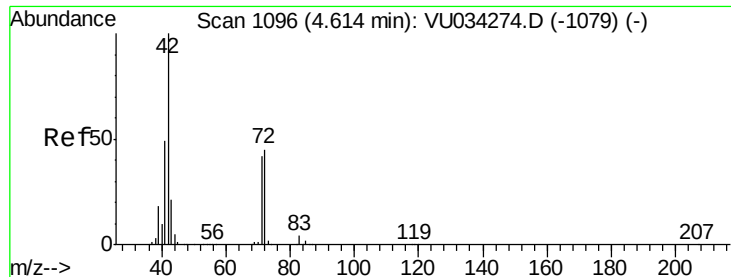


#28

Bromochloromethane
Concen: 20.179 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.8	
130	86.5	65.2	97.8	





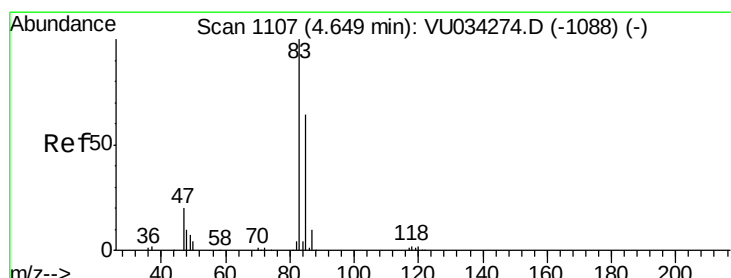
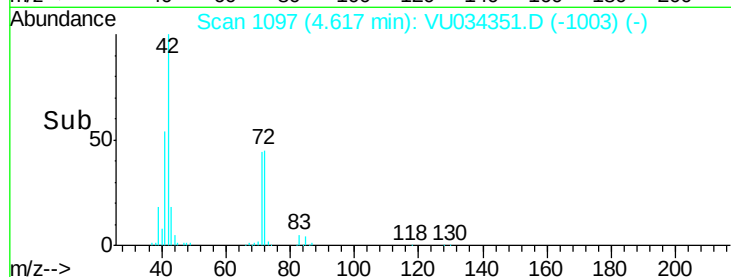
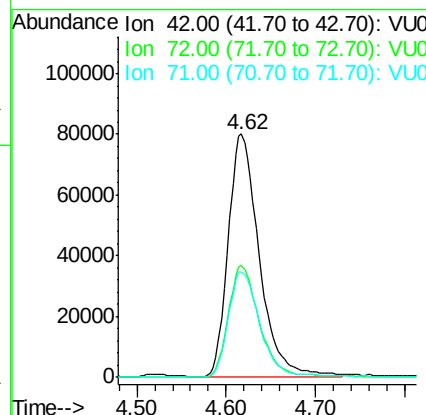
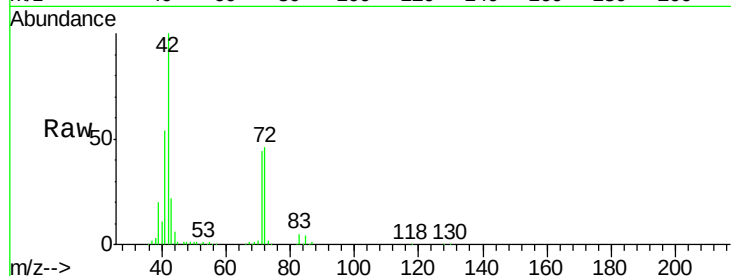
#29
Tetrahydrofuran
Concen: 103.614 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	54.8
71	44.7	34.3	51.5

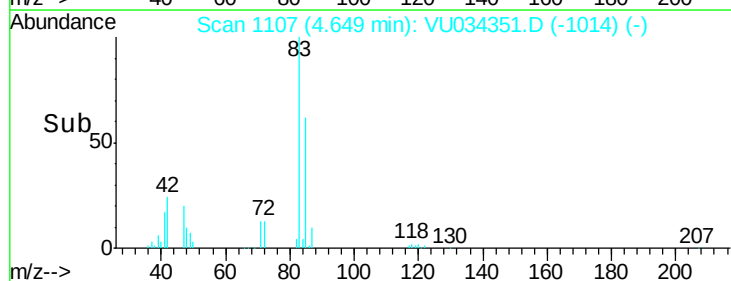
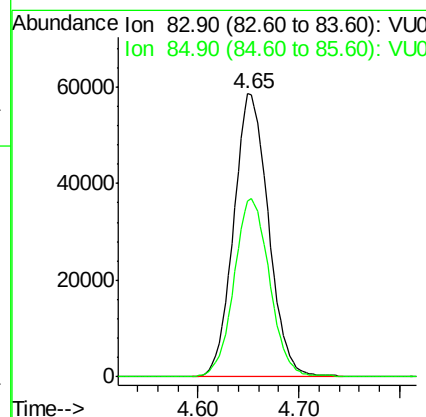
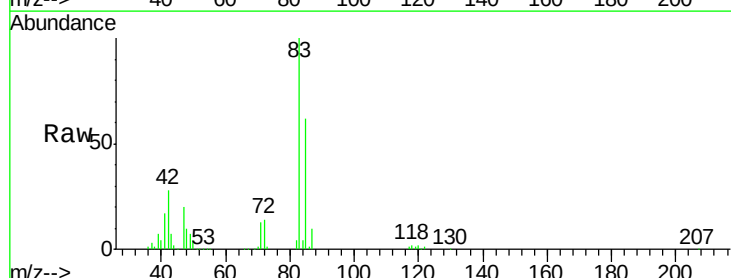
Manual Integrations
APPROVED

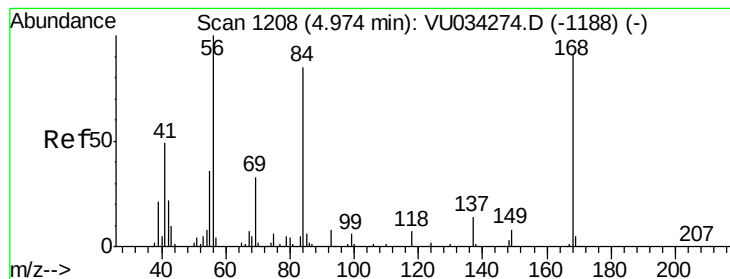
MMDadoda
9/10/2019 1:30:47 PM



#30
Chloroform
Concen: 19.633 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.5	77.3





#31

Cyclohexane

Concen: 19.507 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

Tot Ion: 56 Resp: 100677

Ion Ratio Lower Upper

56 100

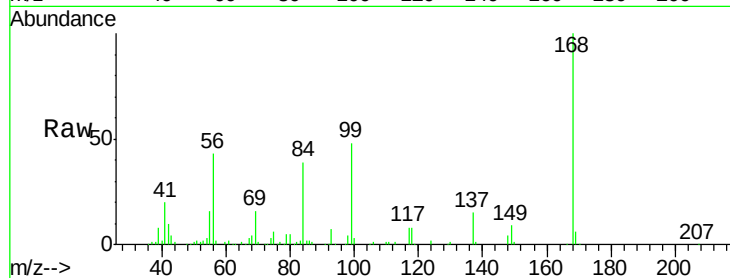
69 37.0 26.7 40.1

84 88.4 68.2 102.4

Manual Integrations
APPROVED

MMDadoda

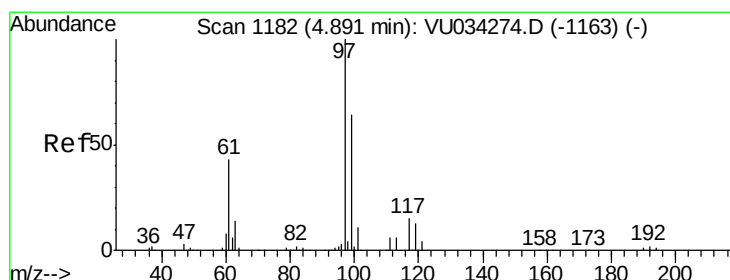
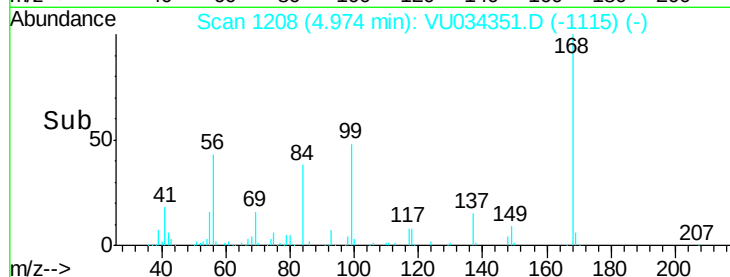
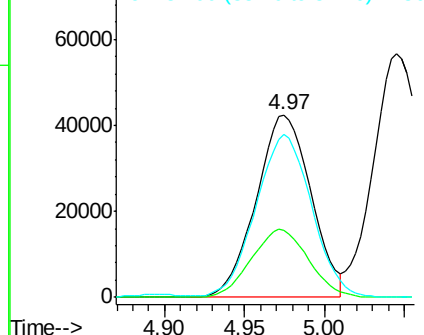
9/10/2019 1:30:47 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 19.783 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

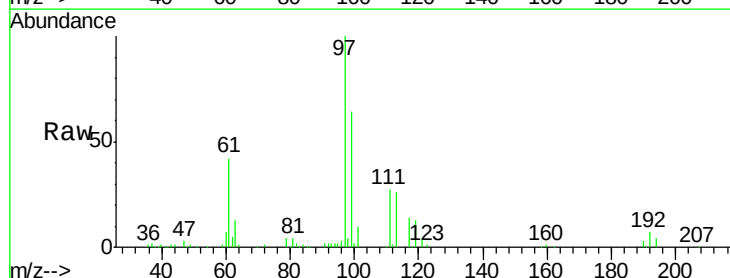
Tgt Ion: 97 Resp: 113419

Ion Ratio Lower Upper

97 100

99 63.0 50.9 76.3

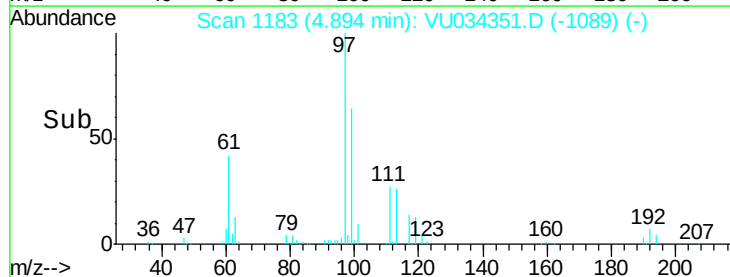
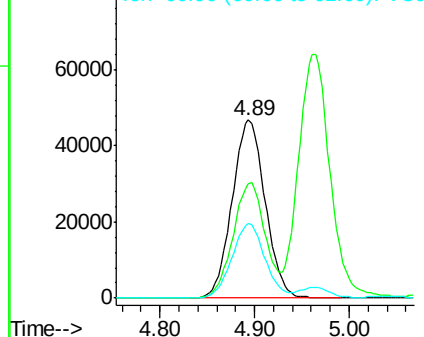
61 41.8 34.7 52.1

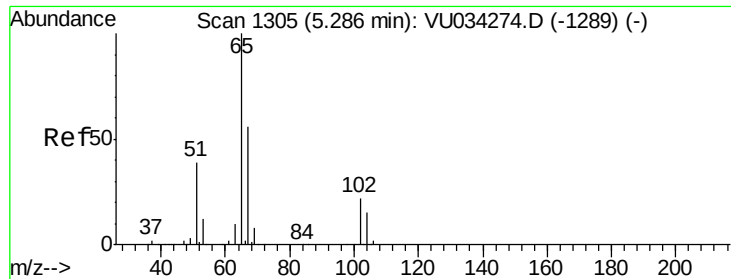


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





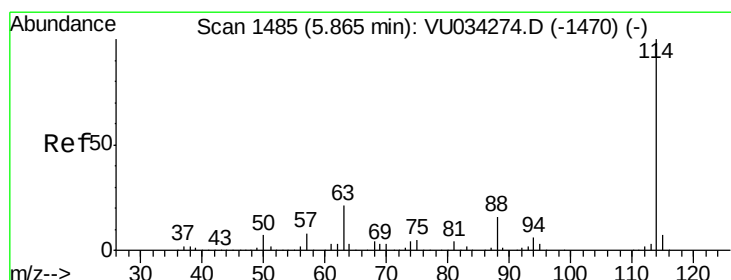
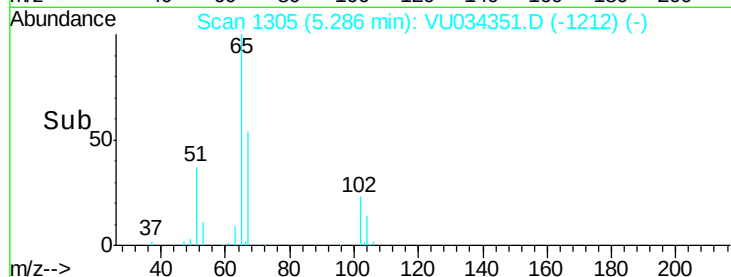
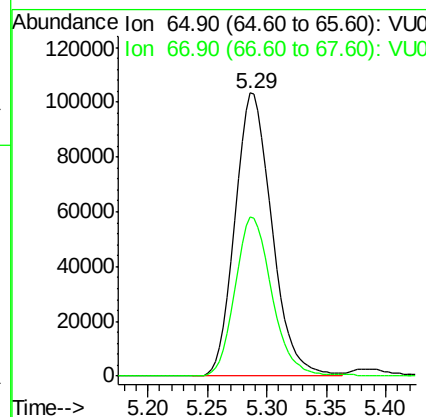
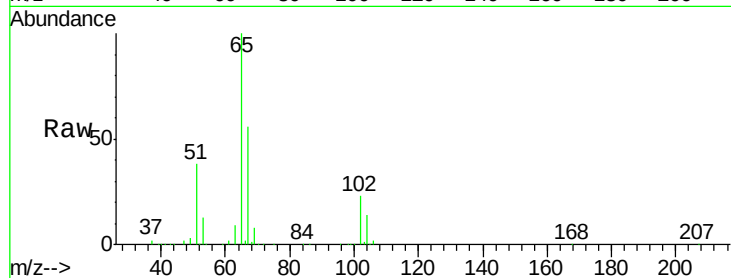
#33
 1,2-Dichloroethane-d4
 Concen: 50.637 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	223121		
67	56.0	0.0	112.4	

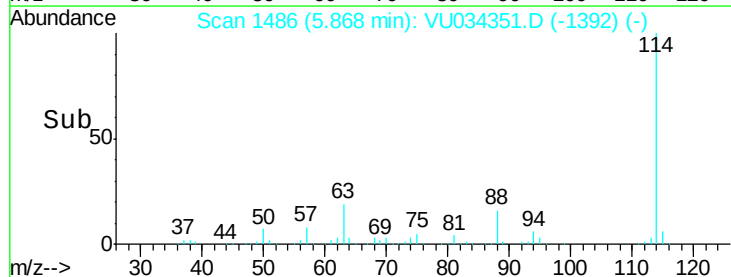
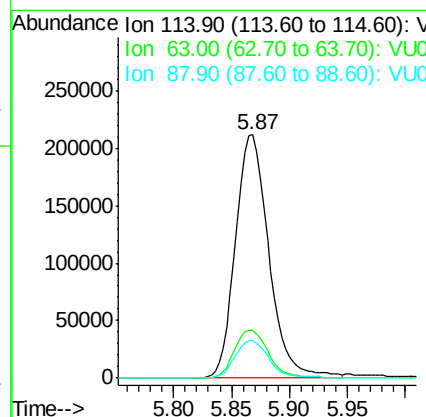
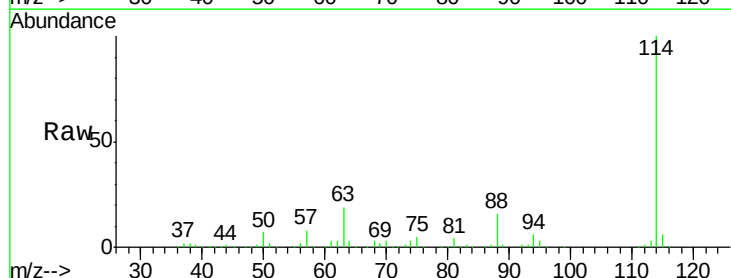
Manual Integrations
 APPROVED

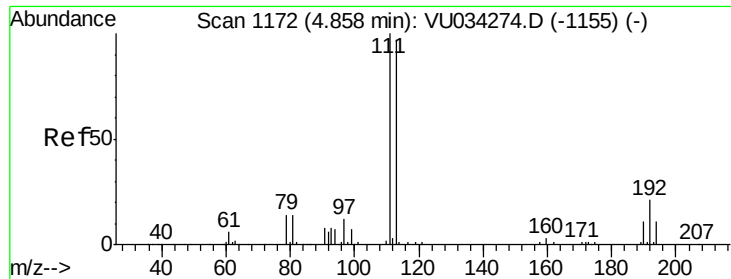
MMDadoda
 9/10/2019 1:30:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	425351		
63	19.4	0.0	42.4	
88	15.6	0.0	32.4	





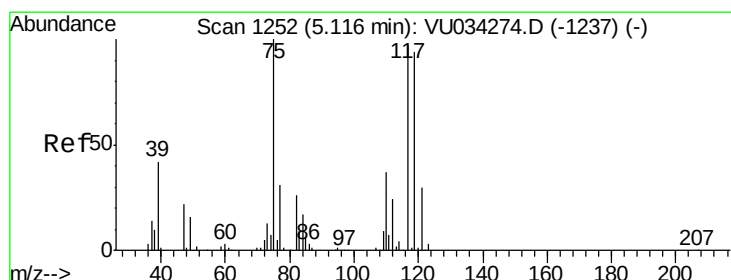
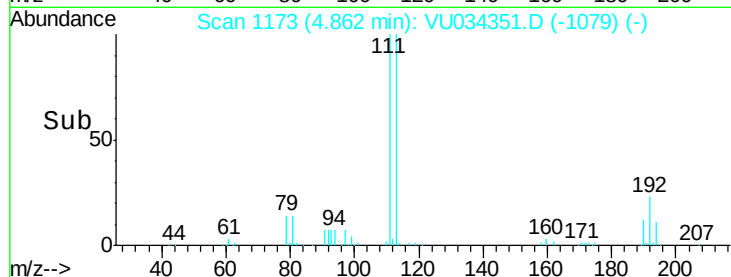
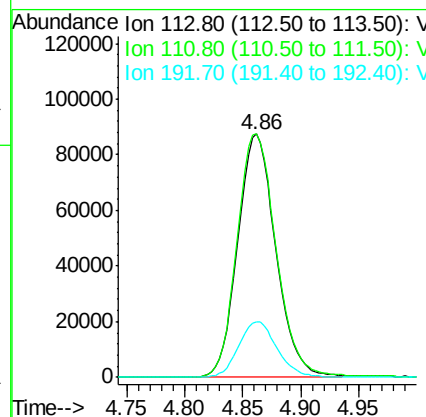
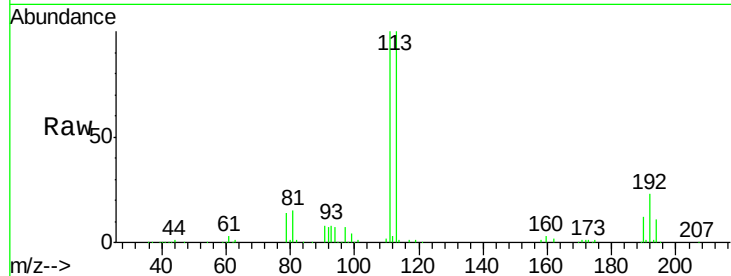
#35
 Dibromofluoromethane
 Concen: 50.378 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	199391		
111	102.9	81.5	122.3	
192	23.2	17.8	26.8	

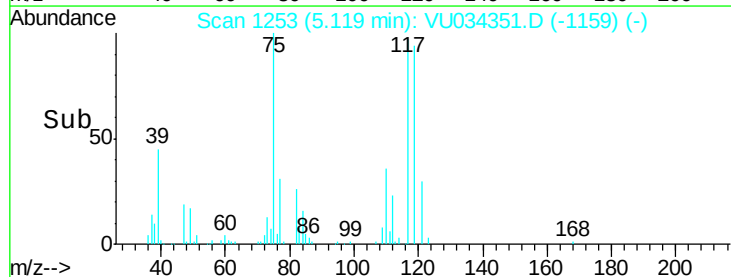
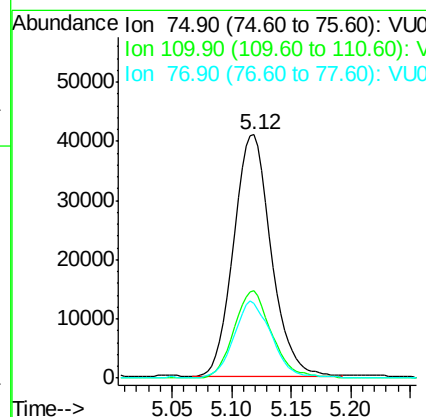
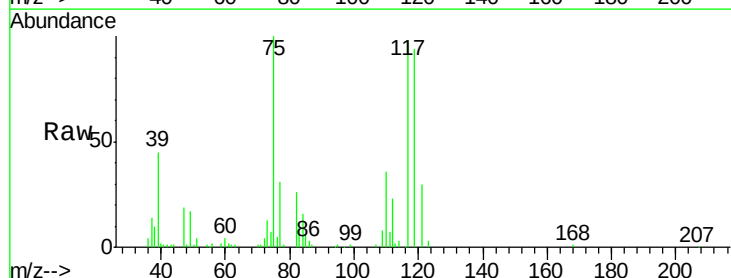
Manual Integrations
 APPROVED

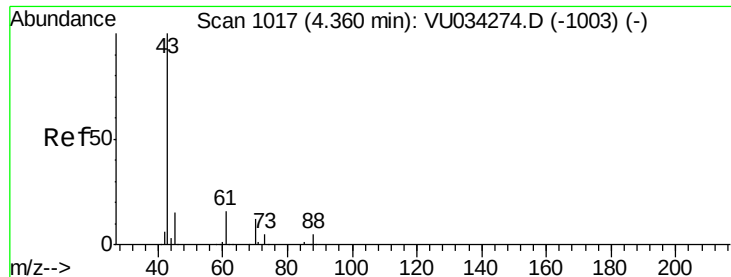
MMDadoda
 9/10/2019 1:30:47 PM



#36
 1,1-Dichloropropene
 Concen: 19.440 ug/l
 RT: 5.12 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89678		
110	36.2	18.3	54.9	
77	32.1	24.9	37.3	





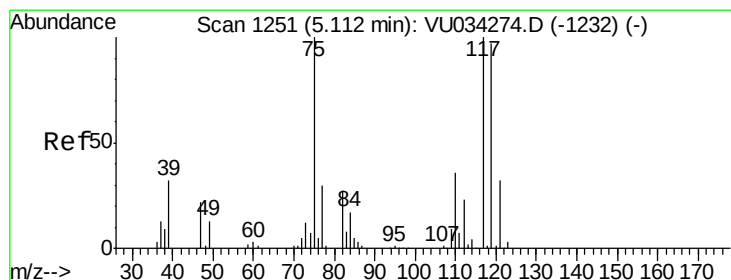
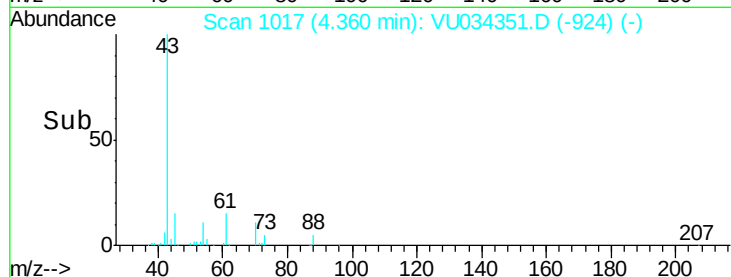
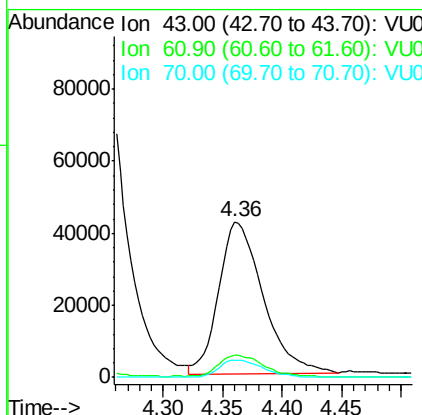
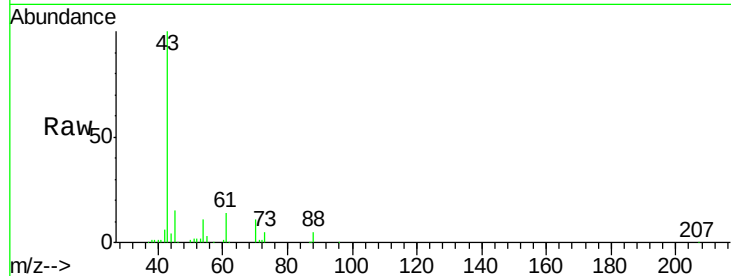
#37
Ethyl Acetate
Concen: 19.956 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.3	18.5
70	11.4	9.1	13.7

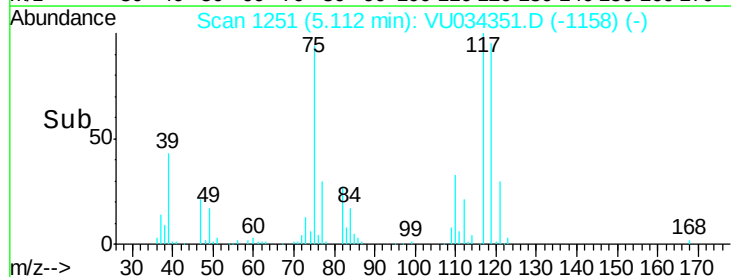
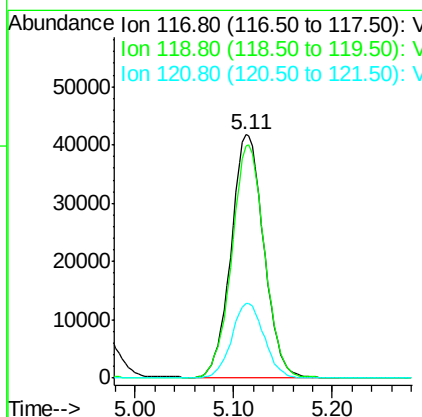
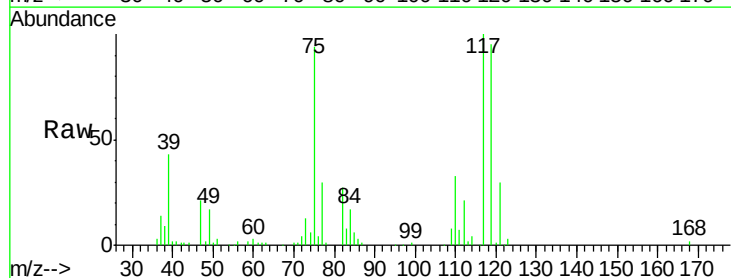
Manual Integrations
APPROVED

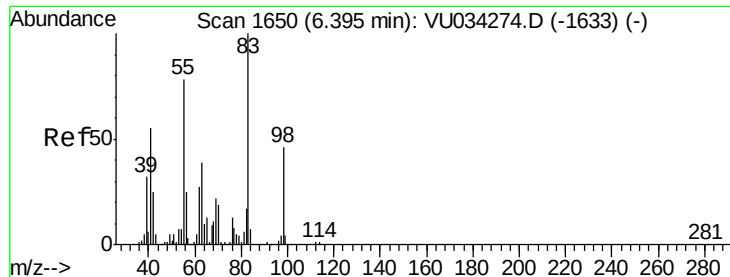
MMDadoda
9/10/2019 1:30:47 PM



#38
Carbon Tetrachloride
Concen: 19.647 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.8	116.6
121	30.4	25.2	37.8





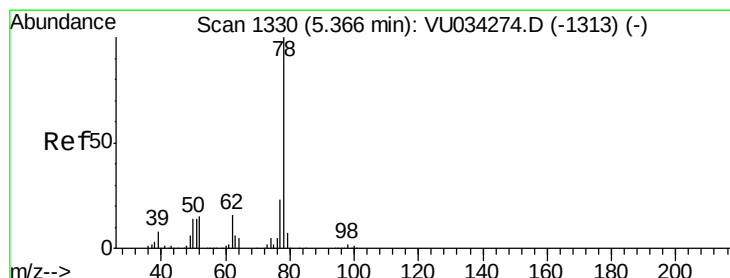
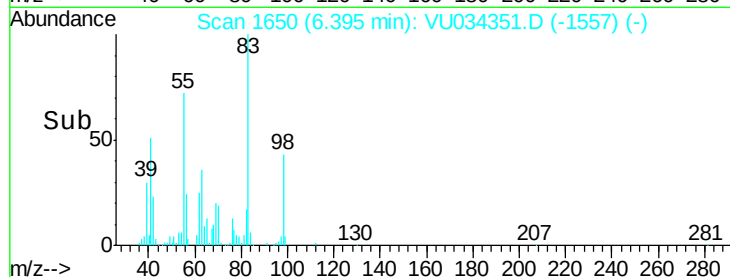
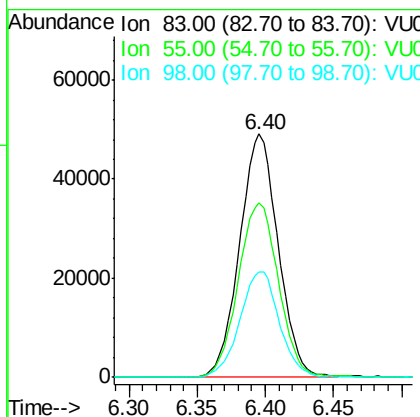
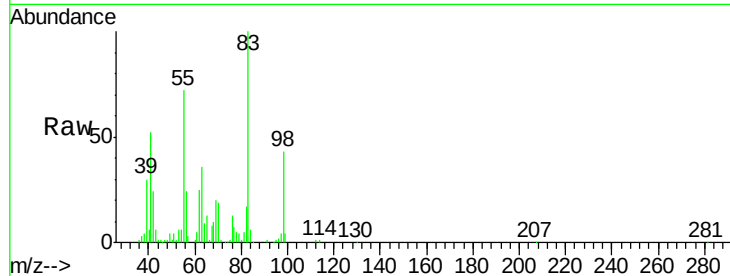
#39
Methylcyclohexane
Concen: 19.557 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	62.1	93.1
98	43.2	37.0	55.6

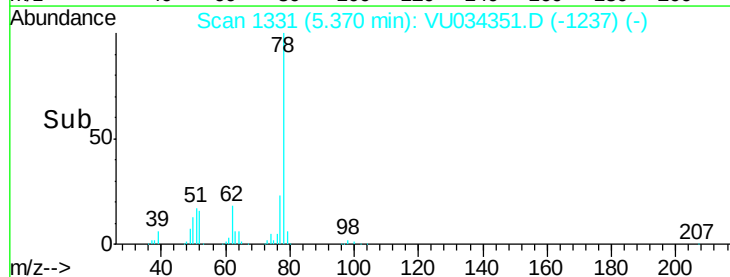
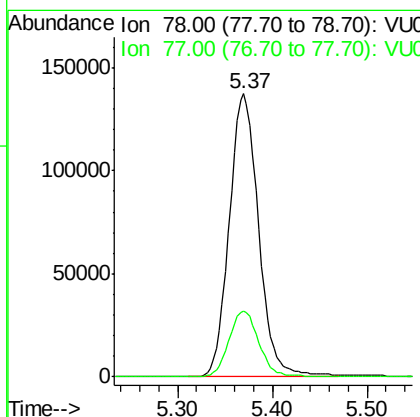
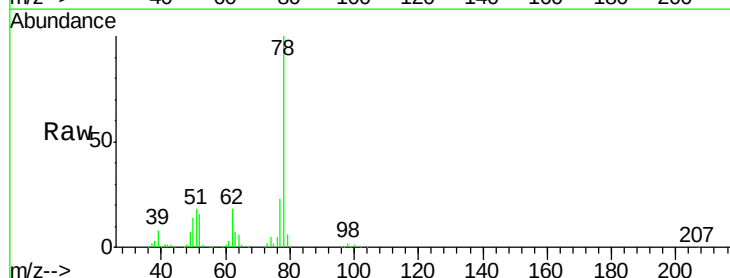
Manual Integrations
APPROVED

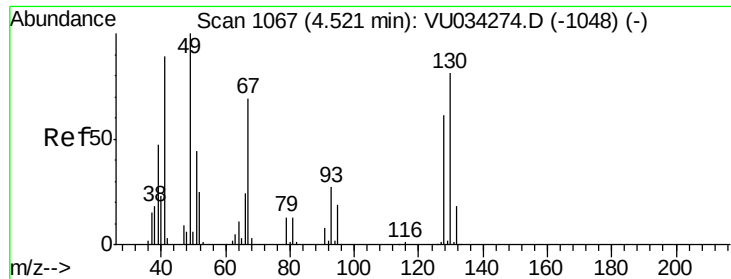
MMDadoda
9/10/2019 1:30:47 PM



#40
Benzene
Concen: 19.985 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





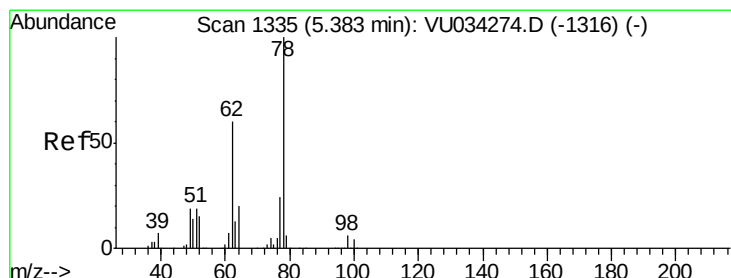
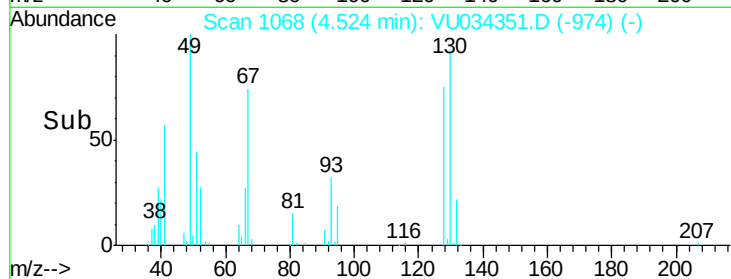
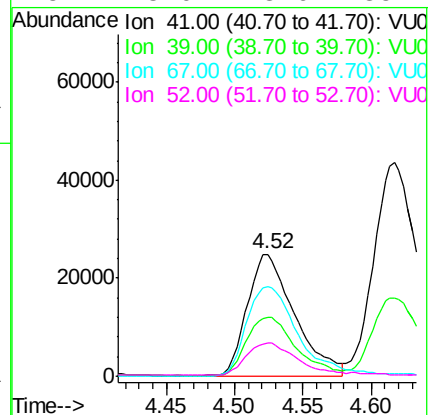
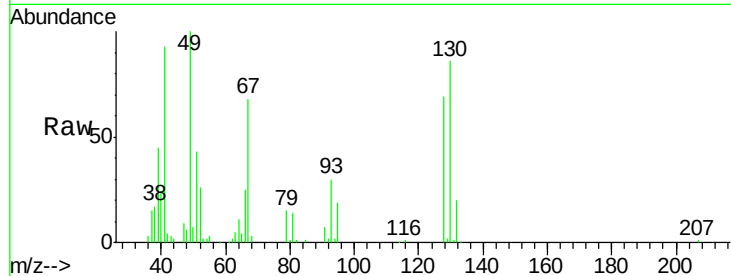
#41
Methacrylonitrile
Concen: 20.689 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.1	41.0	61.4	
67	81.6	62.4	93.6	
52	28.0	23.6	35.4	

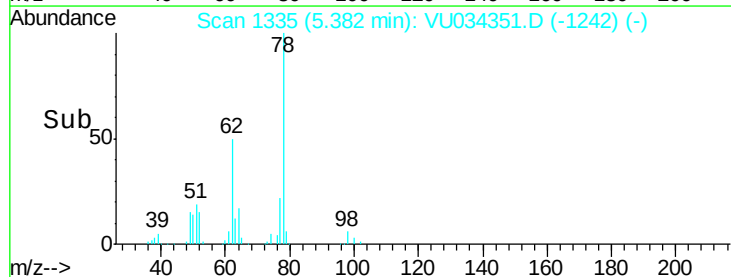
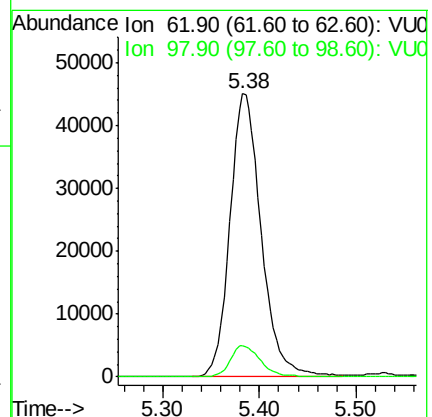
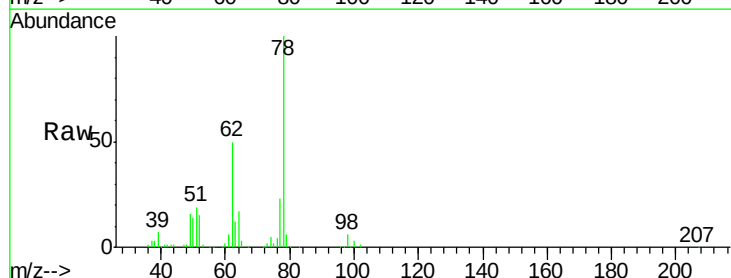
Manual Integrations
APPROVED

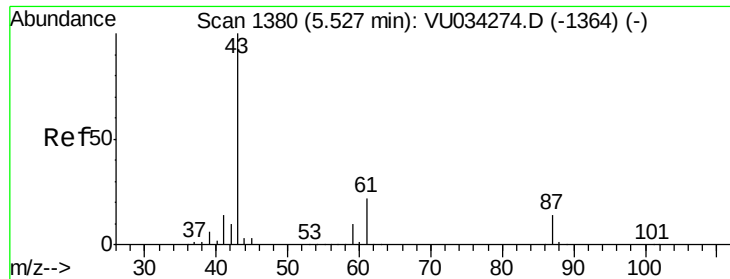
MMDadoda
9/10/2019 1:30:47 PM



#42
1,2-Dichloroethane
Concen: 19.610 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.0	





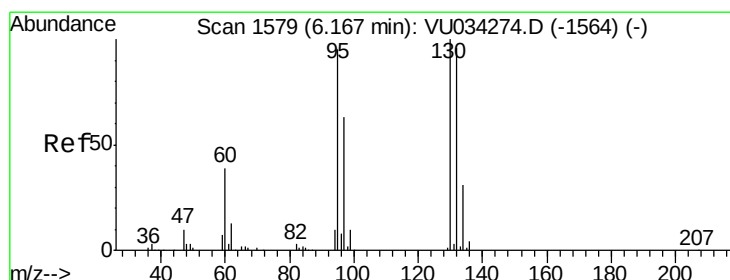
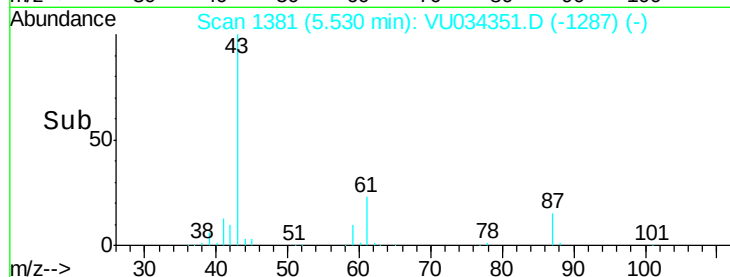
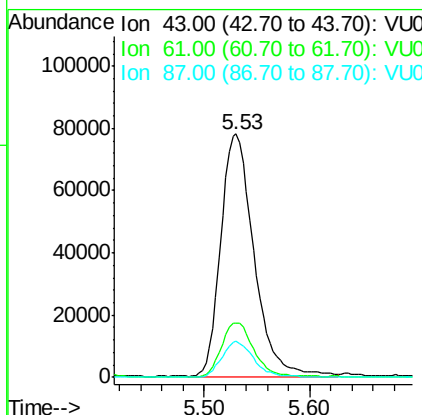
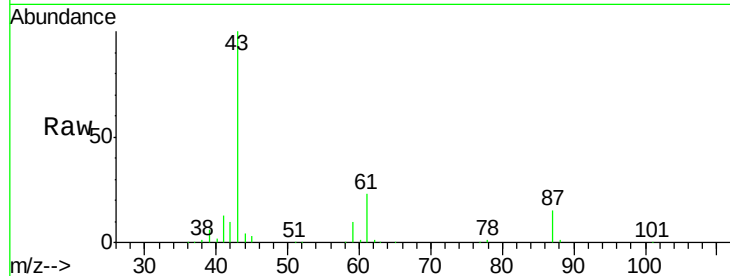
#43
Isopropyl Acetate
Concen: 20.001 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	17.1	25.7
87	14.4	11.1	16.7

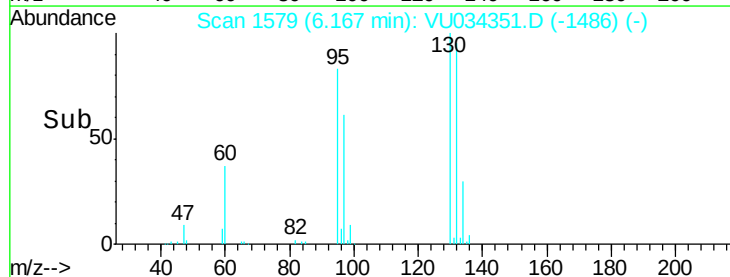
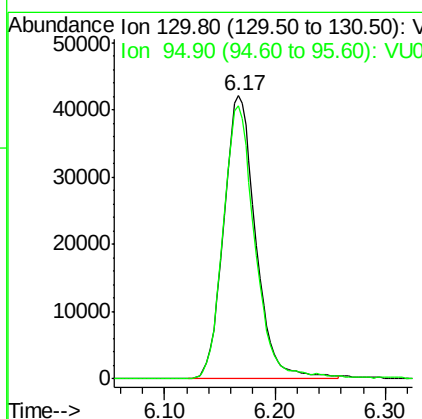
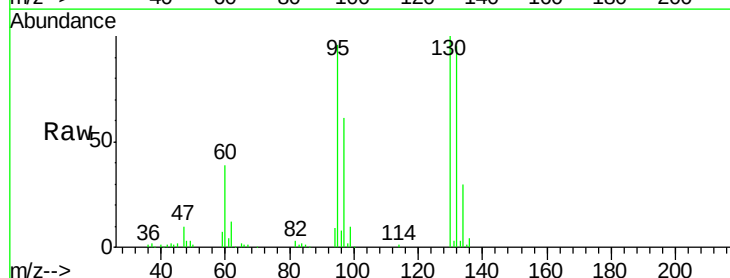
Manual Integrations
APPROVED

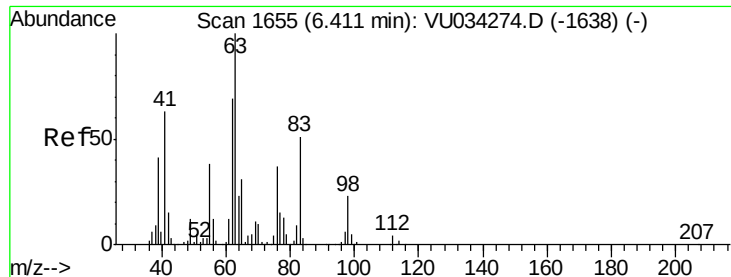
MMDadoda
9/10/2019 1:30:47 PM



#44
Trichloroethene
Concen: 20.497 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	189.2





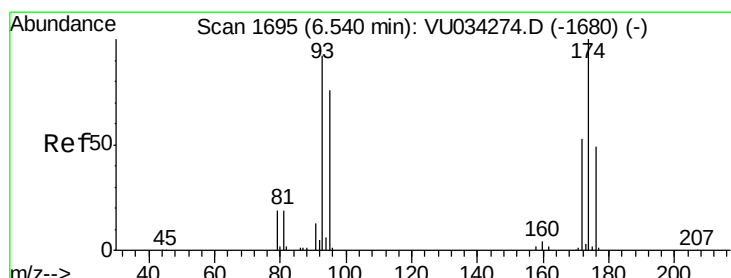
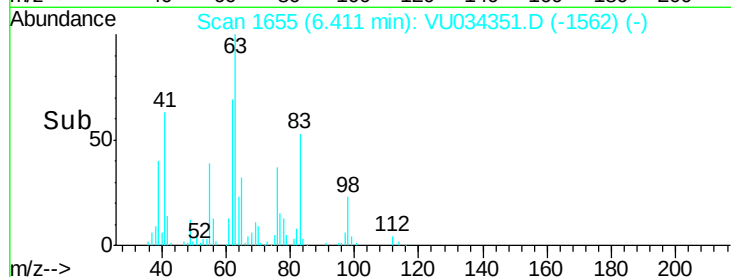
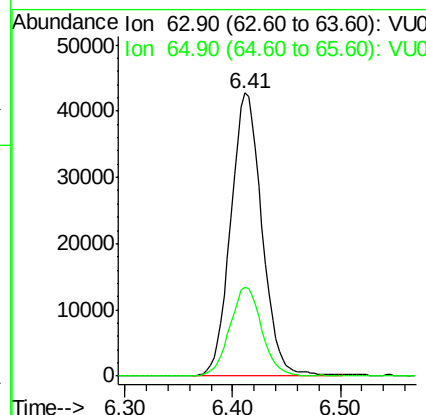
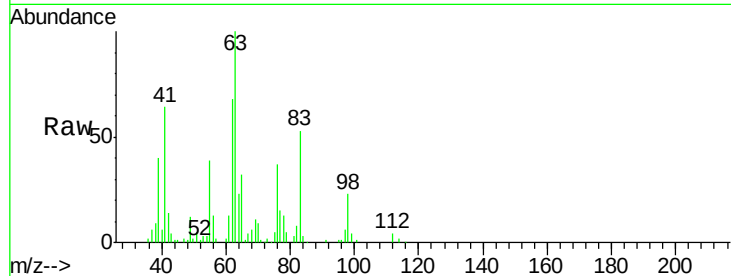
#45
 1,2-Dichloropropane
 Concen: 19.880 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion: 63 Resp: 86509
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 37.0

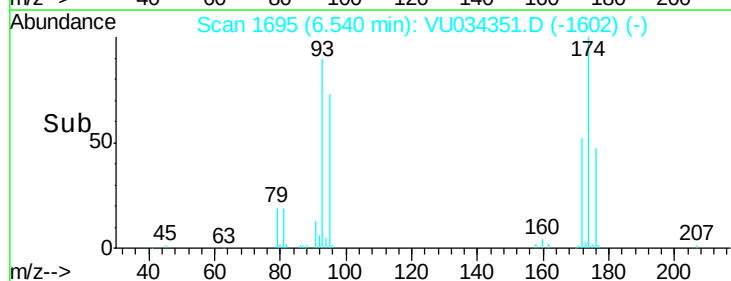
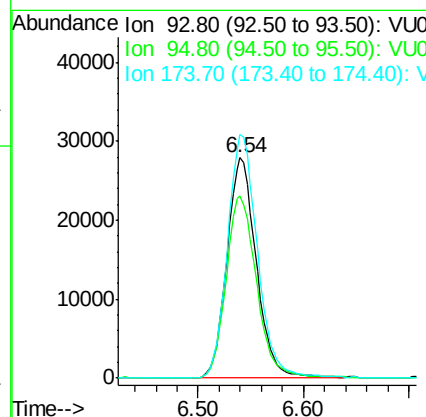
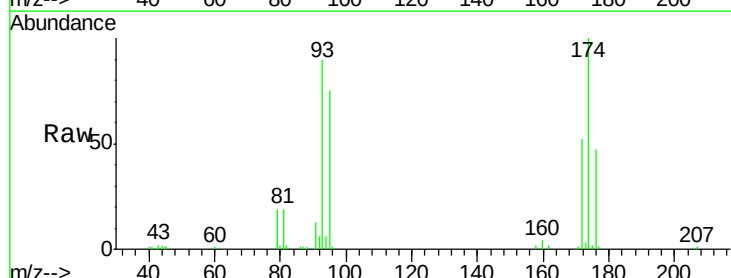
Manual Integrations
 APPROVED

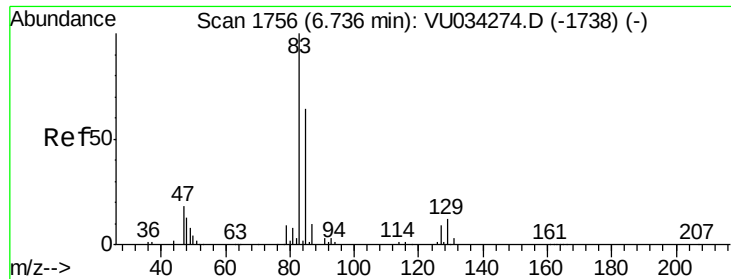
MMDadoda
 9/10/2019 1:30:47 PM



#46
 Dibromomethane
 Concen: 19.799 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion: 93 Resp: 54079
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.5 99.7
 174 112.6 87.8 131.6





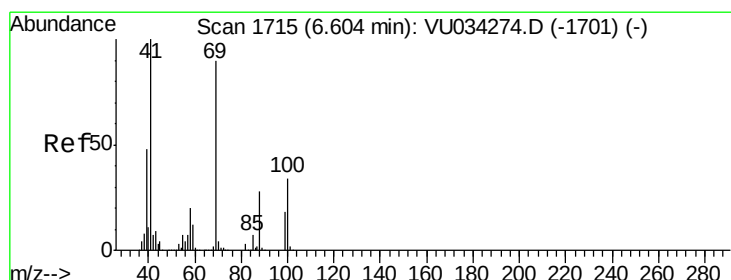
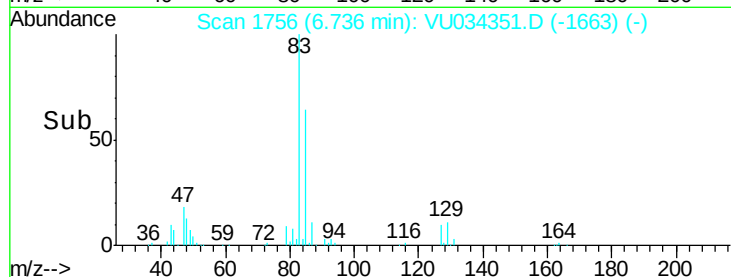
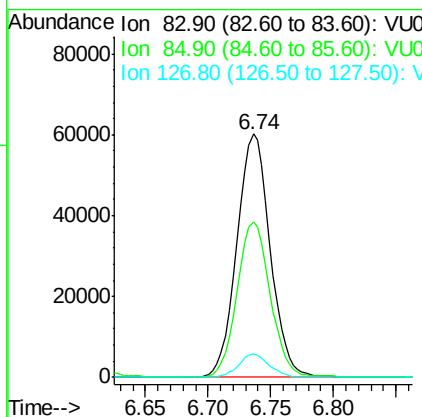
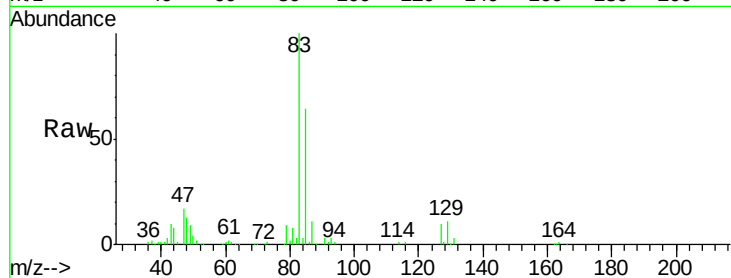
#47
Bromodichloromethane
Concen: 19.765 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	111128		
85	63.6	51.1	76.7	
127	9.6	7.2	10.8	

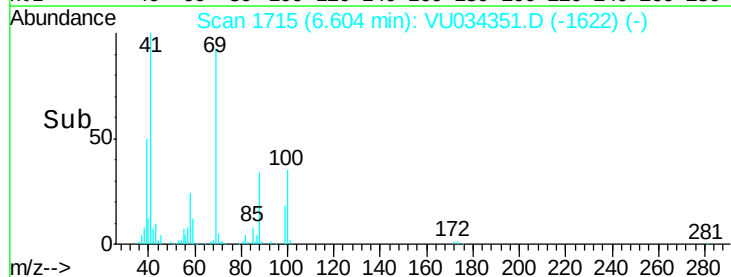
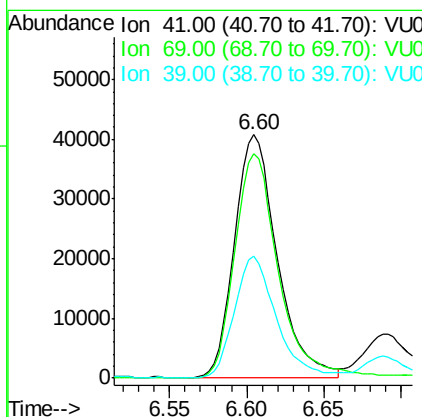
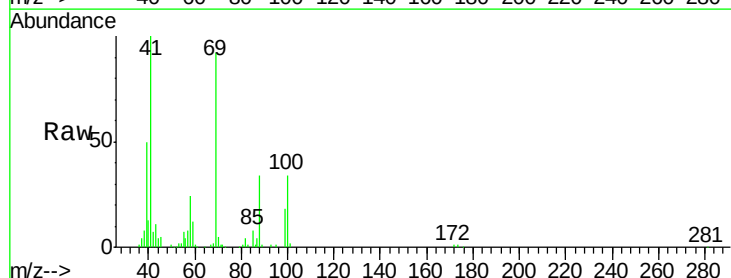
Manual Integrations
APPROVED

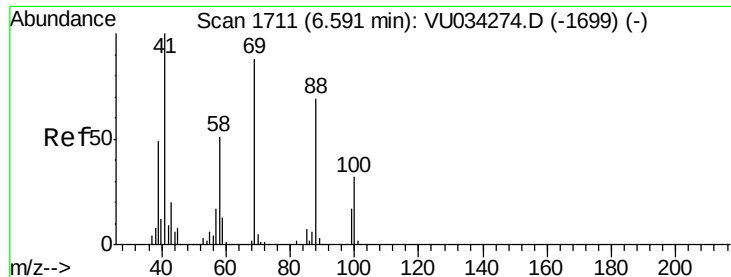
MMDadoda
9/10/2019 1:30:47 PM



#48
Methyl methacrylate
Concen: 19.464 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	78656		
69	95.4	72.8	109.2	
39	48.5	38.6	58.0	





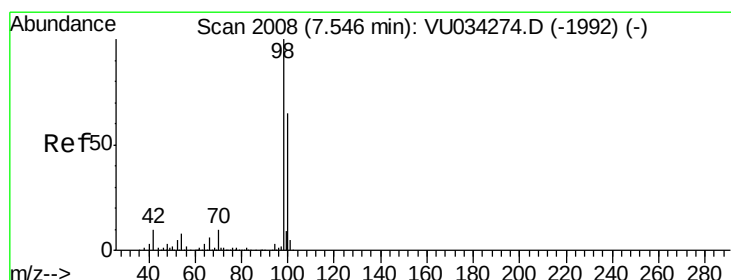
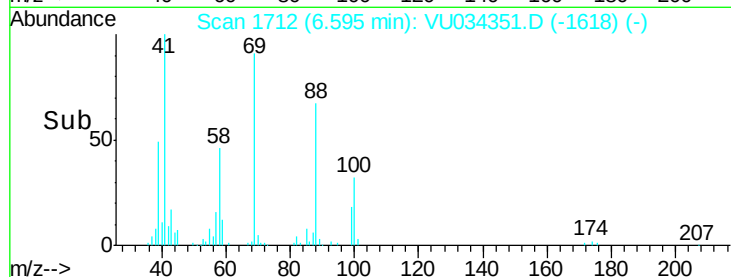
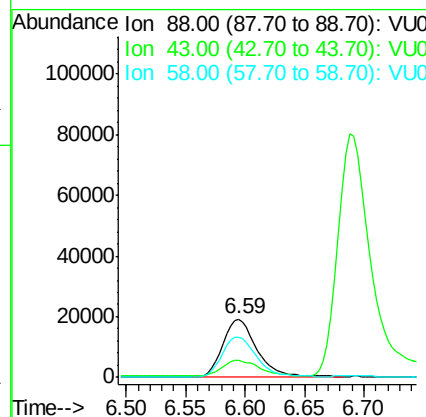
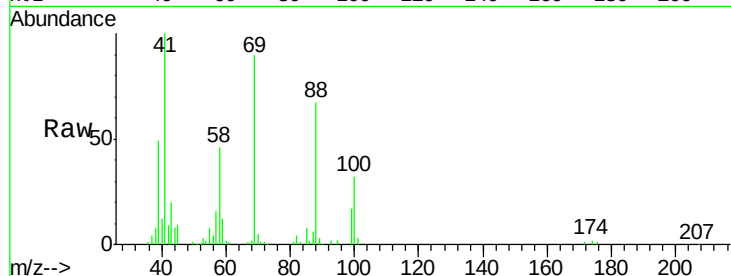
#49
1,4-Dioxane
Concen: 439.563 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	23.8	35.6
58	70.1	58.4	87.6

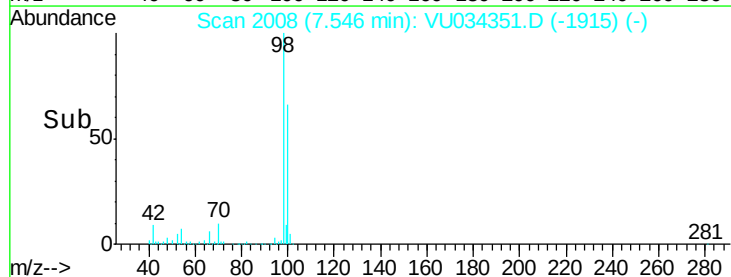
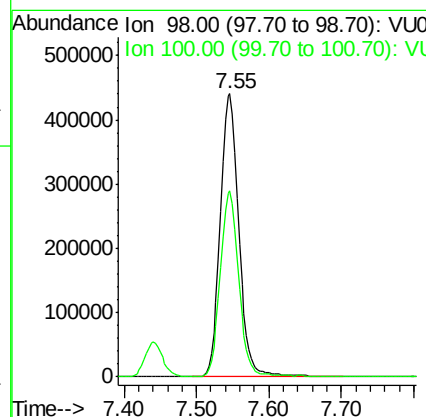
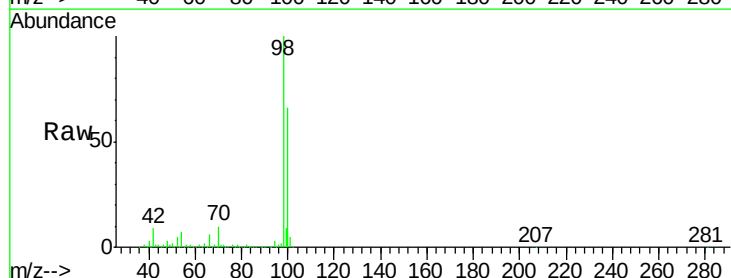
Manual Integrations
APPROVED

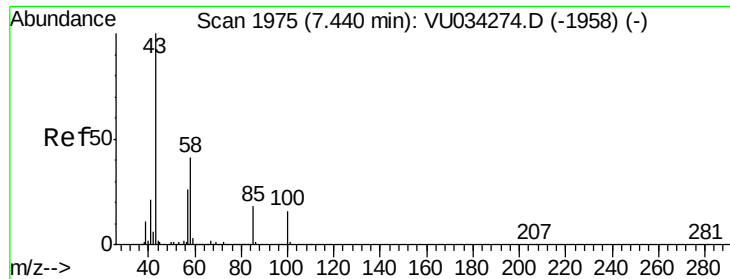
MMDadoda
9/10/2019 1:30:47 PM



#50
Toluene-d8
Concen: 52.911 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 98.862 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

Tot Ion: 43 Resp: 582235

Ion Ratio Lower Upper

43 100

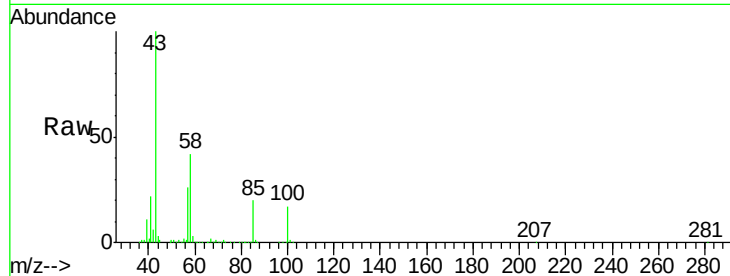
58 42.1 33.0 49.4

Manual Integrations

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9/10/2019 1:30:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.44

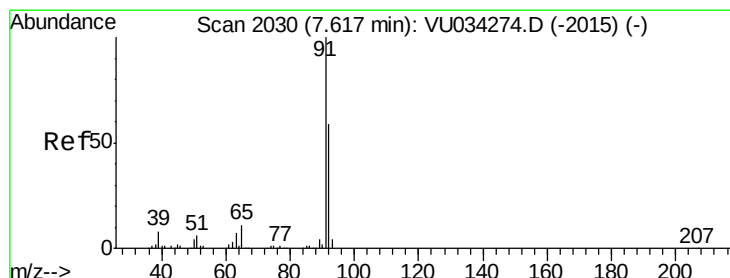
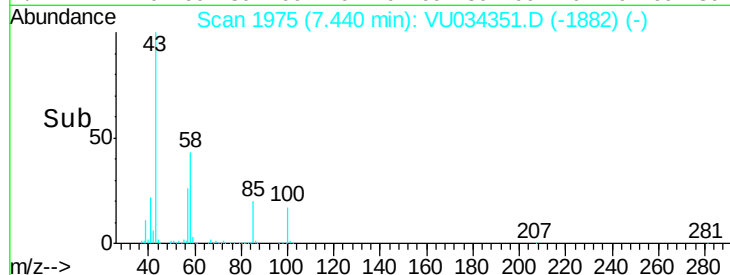
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.456 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034351.D

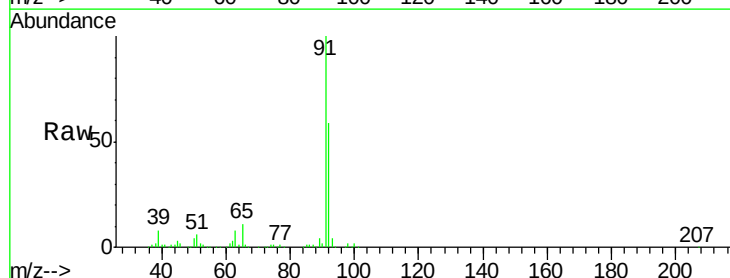
Acq: 06 Sep 2019 23:55

Tgt Ion: 92 Resp: 191009

Ion Ratio Lower Upper

92 100

91 171.2 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.62

200000

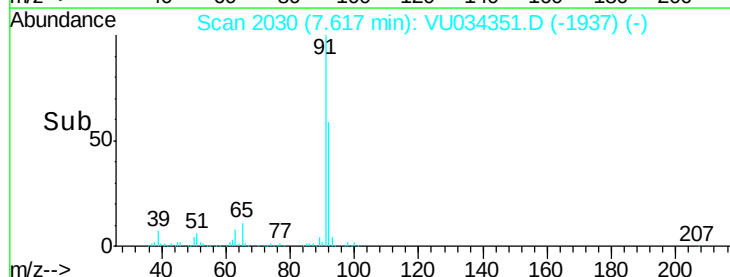
150000

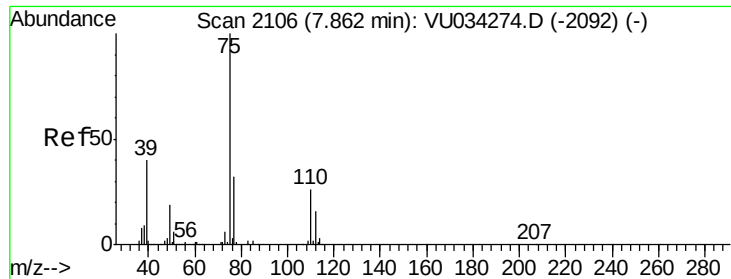
100000

50000

0

Time-->





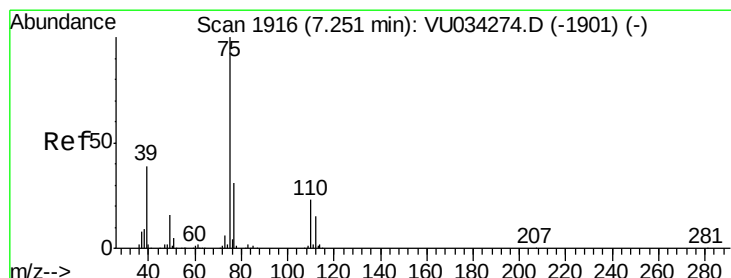
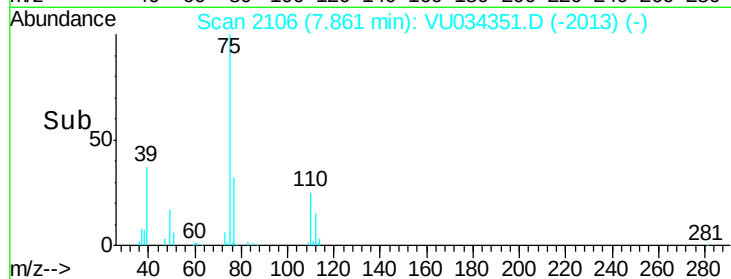
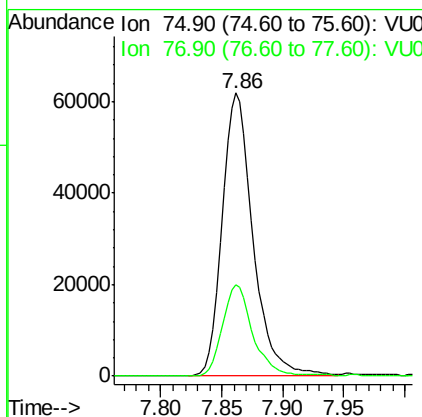
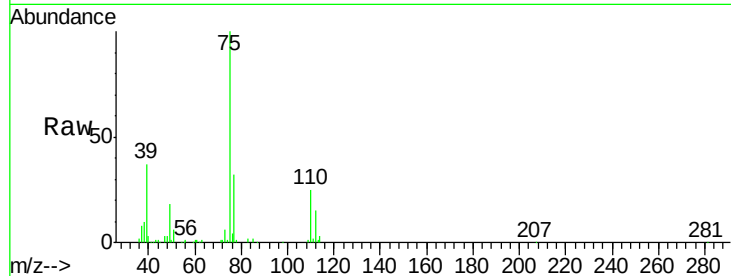
#53
t-1,3-Dichloropropene
Concen: 18.871 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.7	38.5

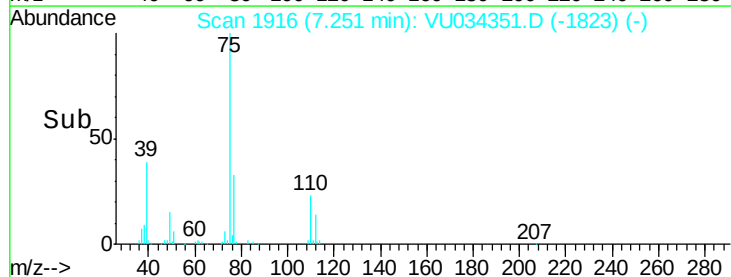
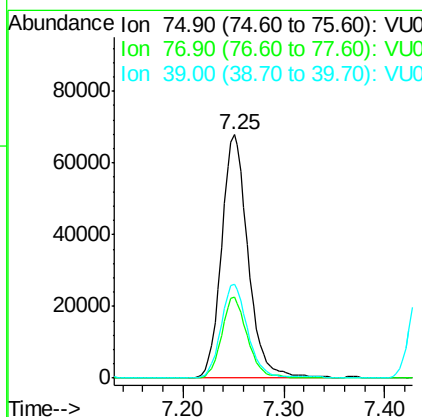
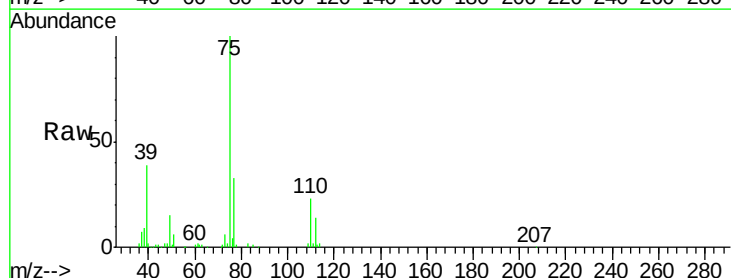
Manual Integrations
APPROVED

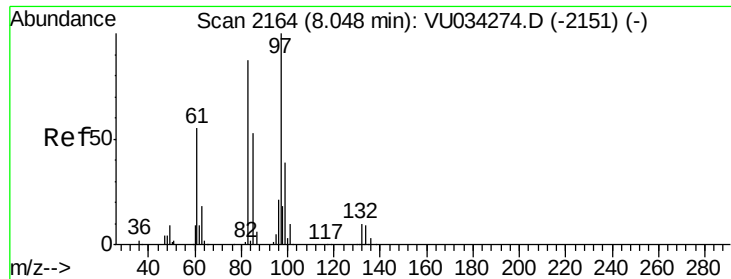
MMDadoda
9/10/2019 1:30:47 PM



#54
cis-1,3-Dichloropropene
Concen: 19.545 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.1	37.7
39	38.6	31.2	46.8





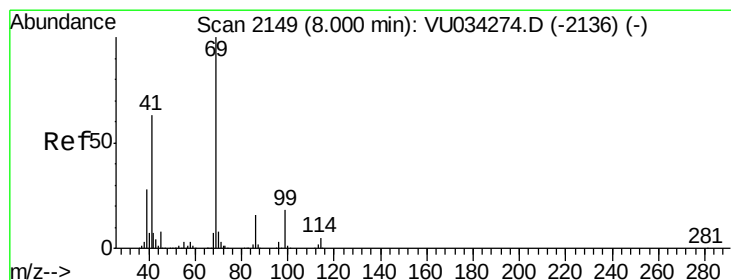
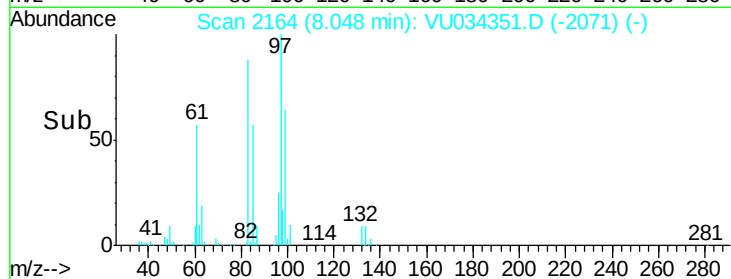
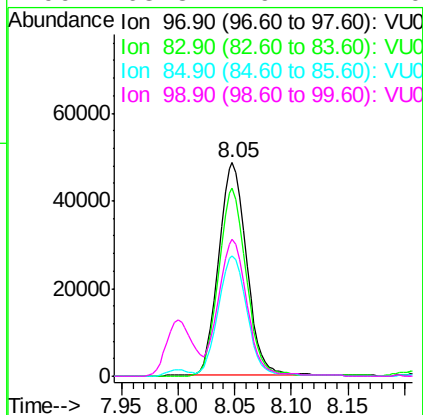
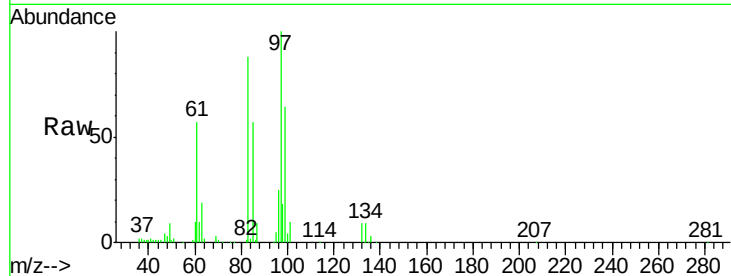
#55
 1,1,2-Trichloroethane
 Concen: 19.757 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion	97	Resp	83768
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.0	103.6
85	56.4	44.2	66.2
99	63.8	49.4	74.0

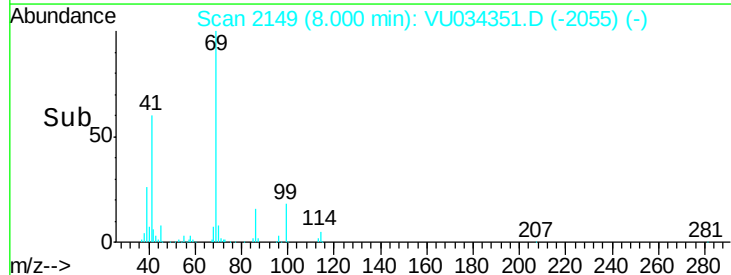
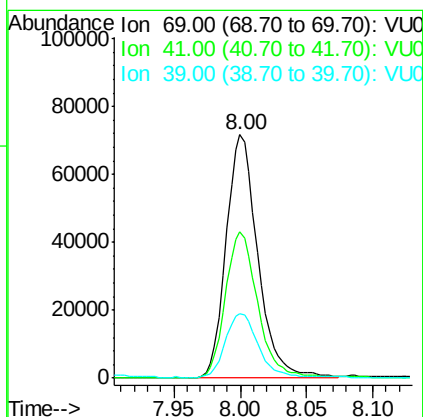
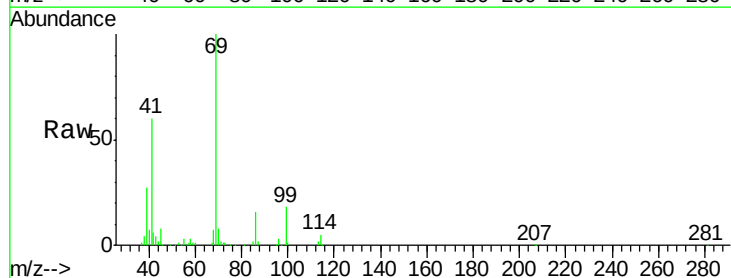
Manual Integrations
 APPROVED

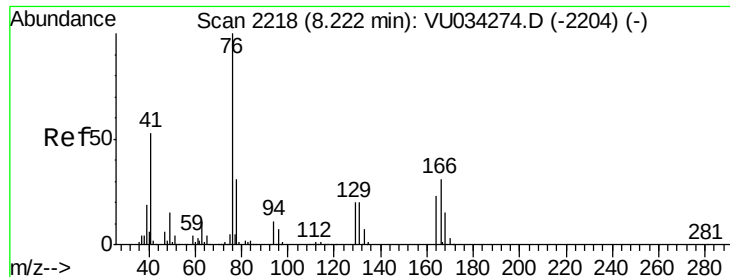
MMDadoda
 9/10/2019 1:30:47 PM



#56
 Ethyl methacrylate
 Concen: 20.480 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	69	Resp	119458
Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.5	74.3
39	26.8	22.5	33.7





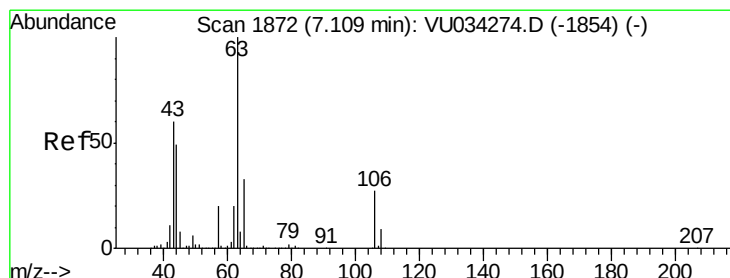
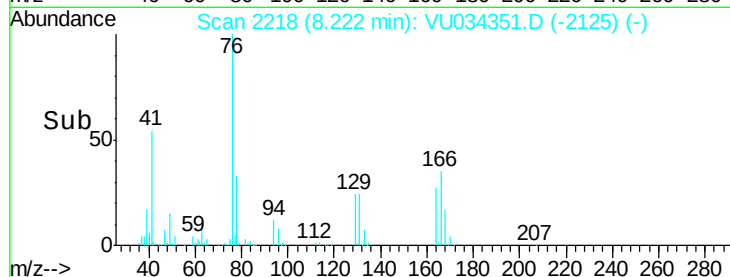
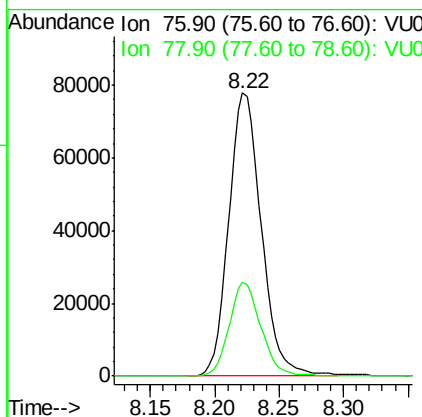
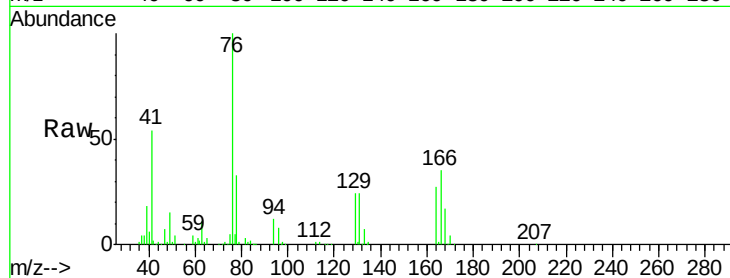
#57
 1,3-Dichloropropane
 Concen: 19.815 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion: 76 Resp: 136802
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.2

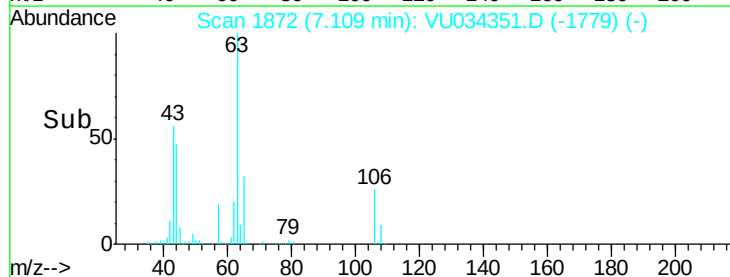
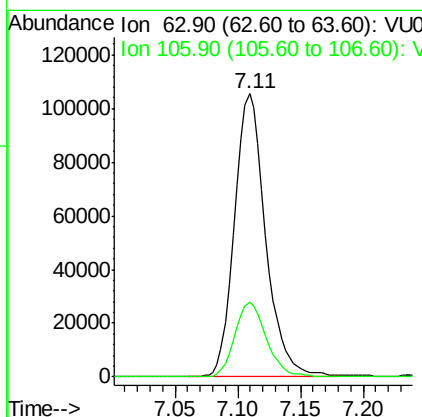
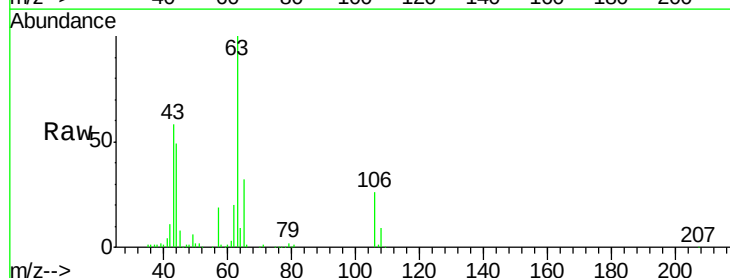
Manual Integrations
 APPROVED

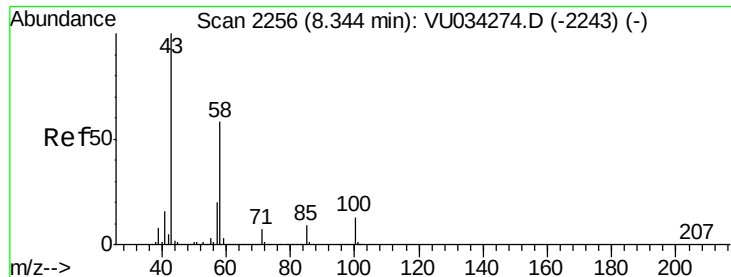
MMDadoda
 9/10/2019 1:30:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.645 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion: 63 Resp: 182158
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.6 32.4





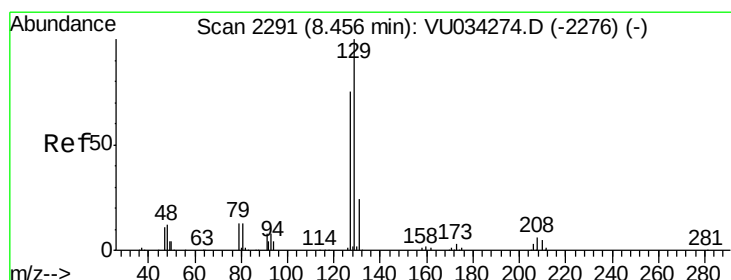
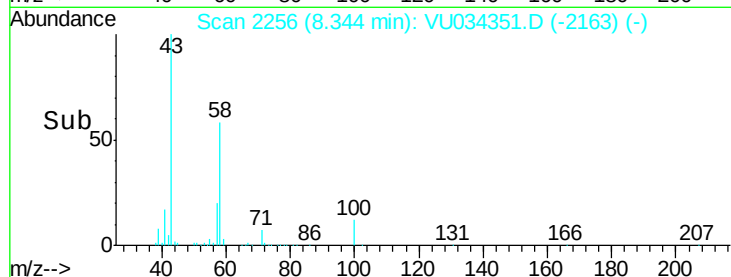
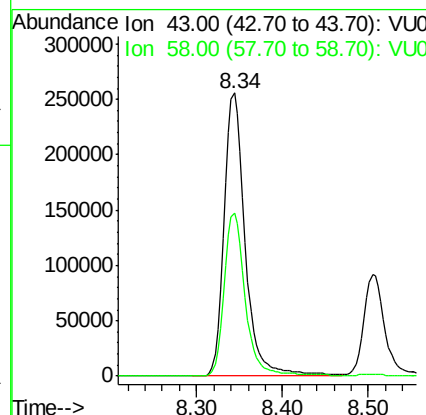
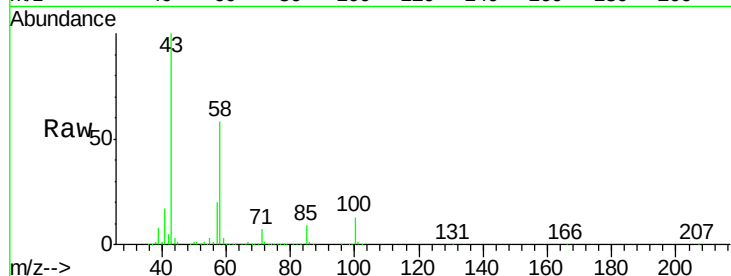
#59
2-Hexanone
Concen: 99.159 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.2	28.8	86.5

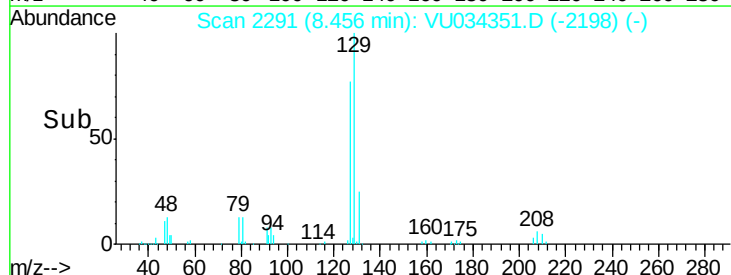
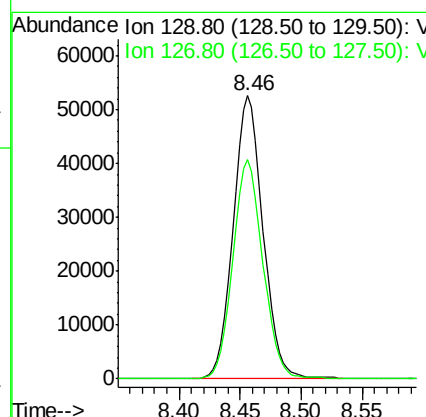
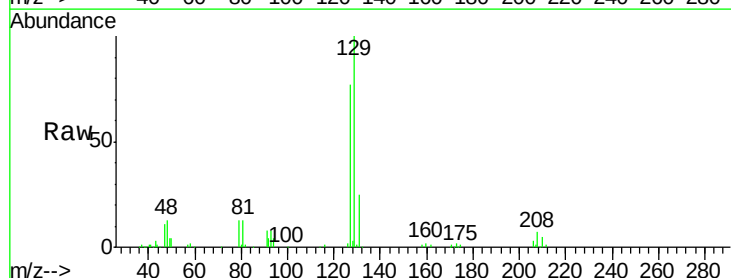
Manual Integrations
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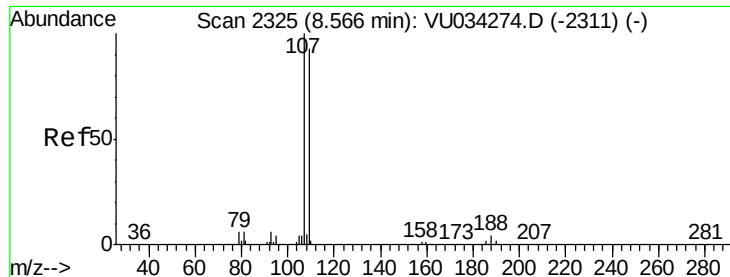
MMDadoda
9/10/2019 1:30:47 PM



#60
Dibromochloromethane
Concen: 19.696 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	37.9	113.7





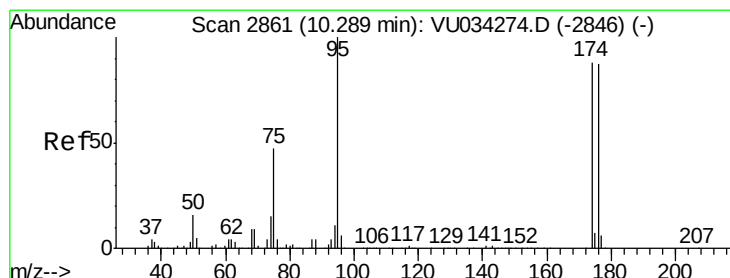
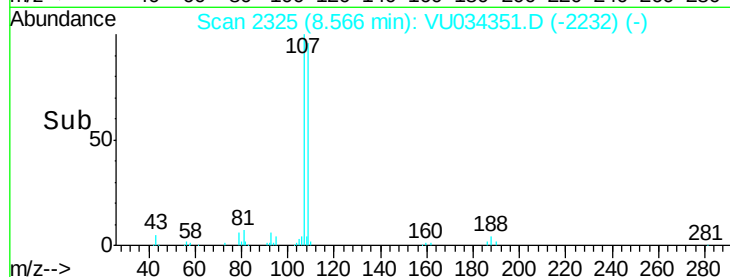
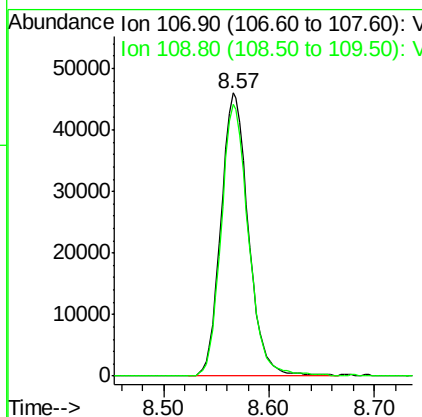
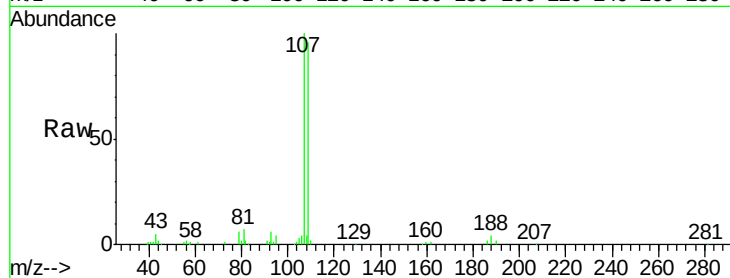
#61
 1,2-Dibromoethane
 Concen: 20.011 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.0	112.6

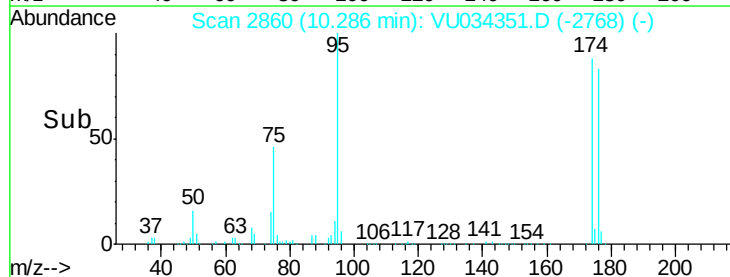
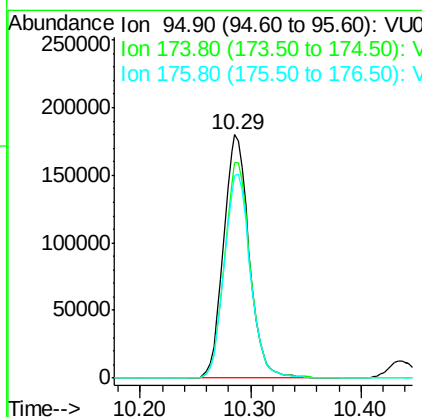
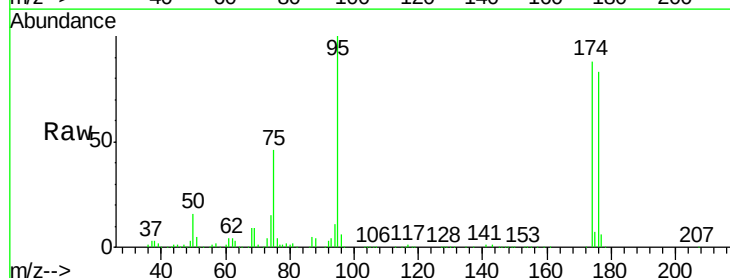
Manual Integrations
 APPROVED

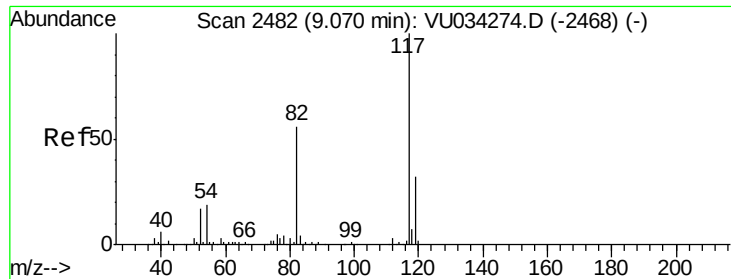
MMDadoda
 9/10/2019 1:30:47 PM



#62
 4-Bromofluorobenzene
 Concen: 50.421 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	175.2
176	85.8	0.0	168.0





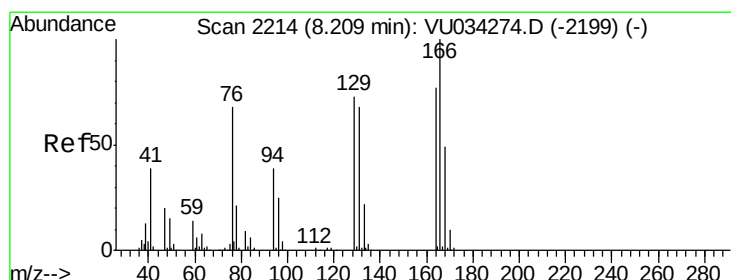
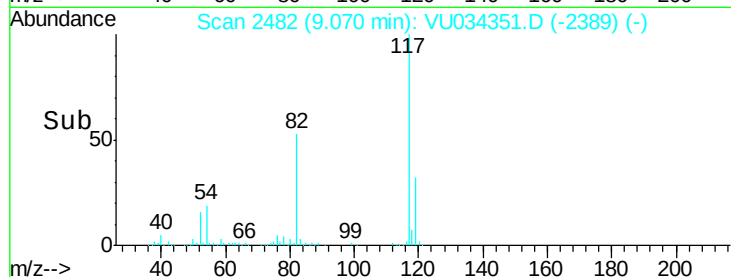
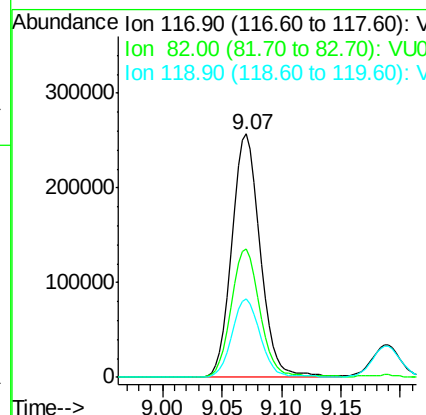
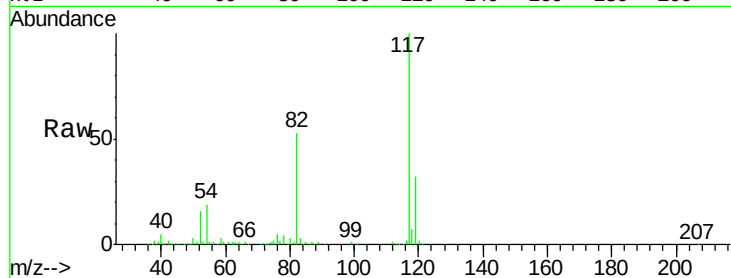
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	426854		
82	52.7		44.6	67.0
119	32.0		25.9	38.9

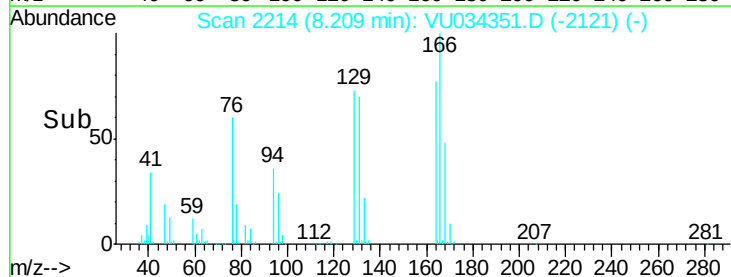
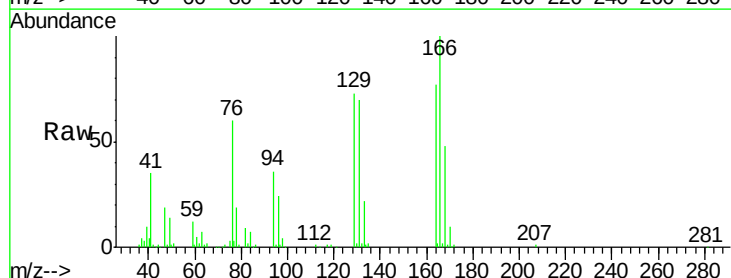
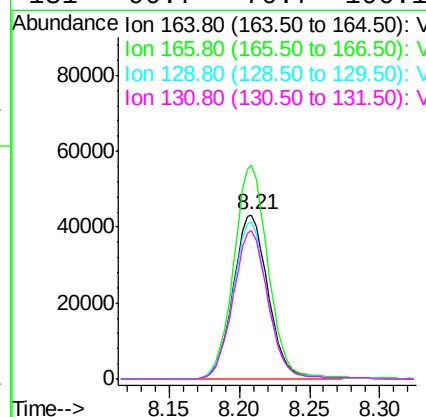
Manual Integrations
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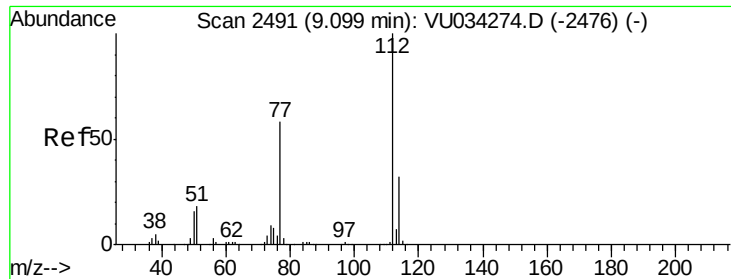
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#64
Tetrachloroethene
Concen: 20.235 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74934		
166	130.2		103.7	155.5
129	95.6		75.8	113.8
131	90.7		70.7	106.1





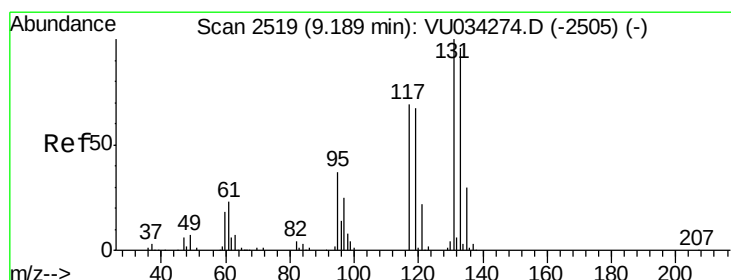
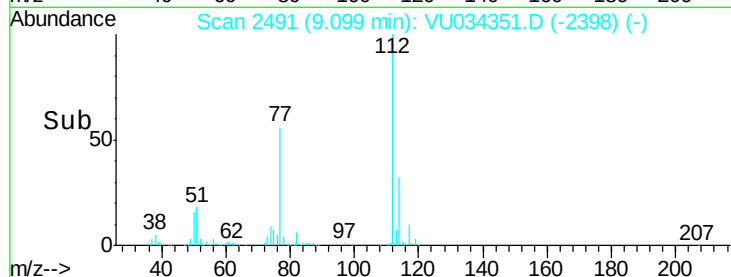
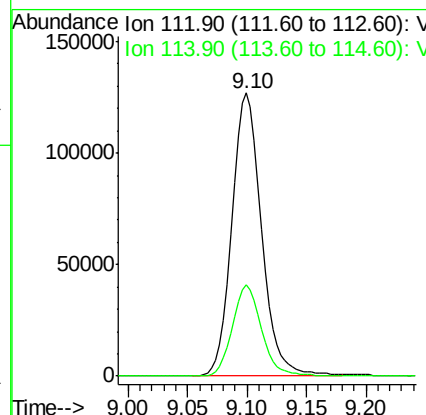
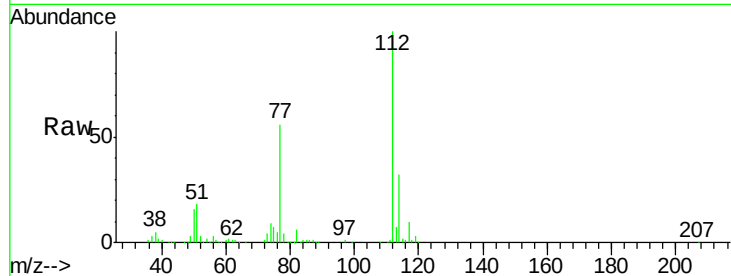
#65
Chlorobenzene
Concen: 20.255 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	219348		
114	32.1	25.9	38.9	

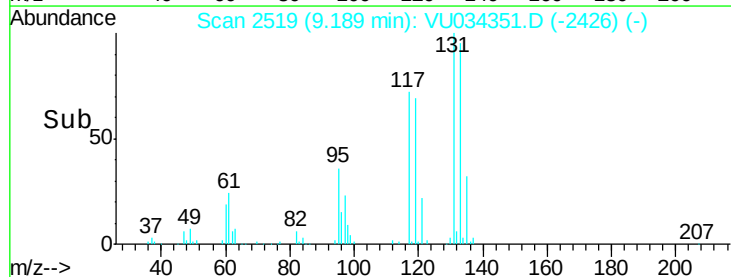
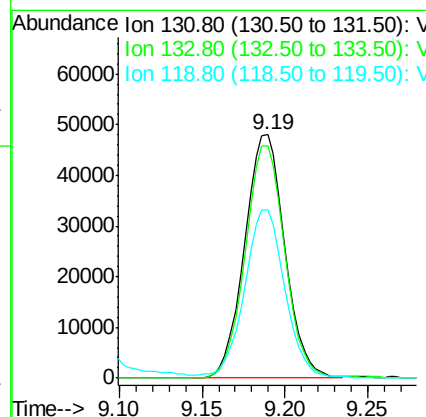
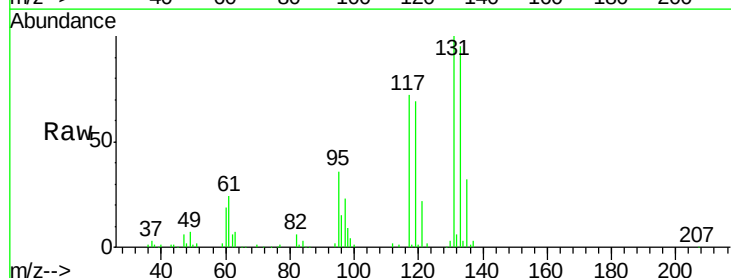
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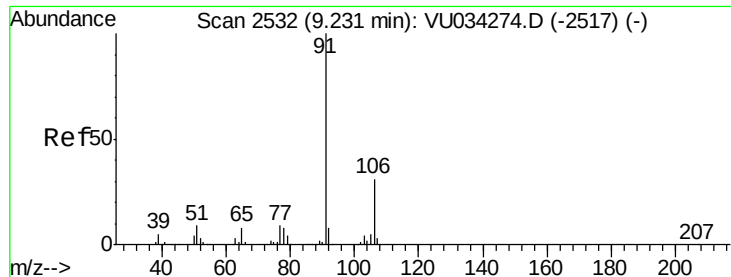
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.641 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	81176		
133	93.9	47.9	143.7	
119	68.8	33.1	99.5	





#67

Ethyl Benzene

Concen: 20.543 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

Tot Ion: 91 Resp: 363756

Ion Ratio Lower Upper

91 100

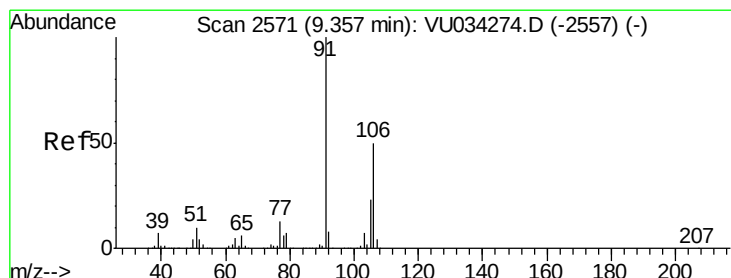
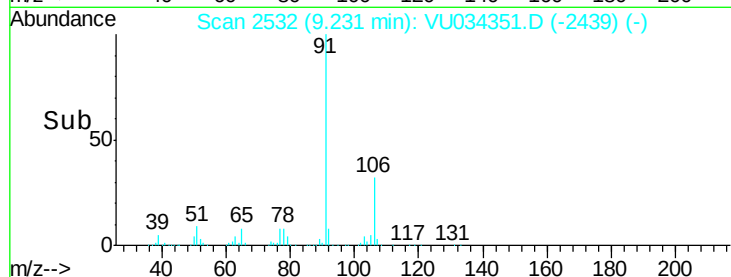
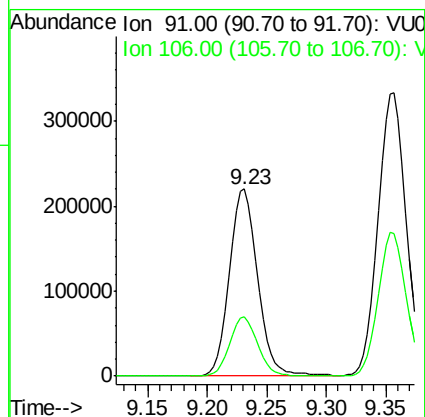
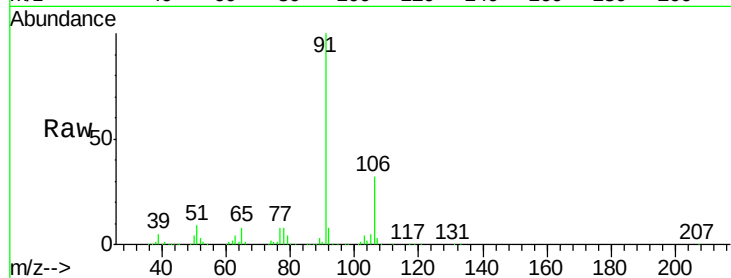
106 31.7 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.194 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034351.D

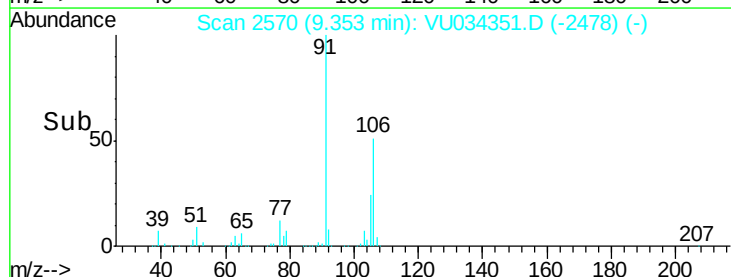
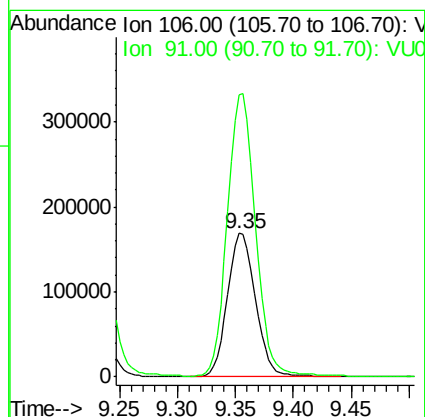
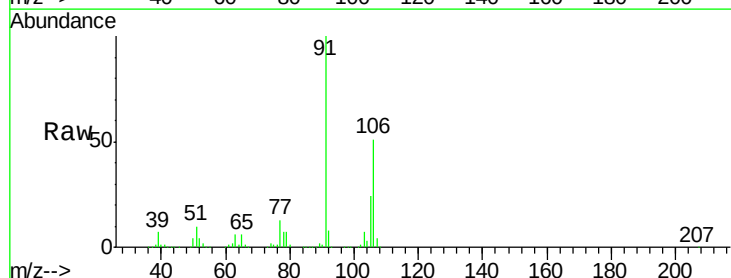
Acq: 06 Sep 2019 23:55

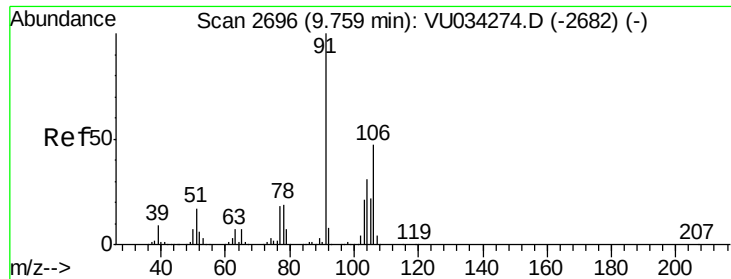
Tgt Ion: 106 Resp: 281337

Ion Ratio Lower Upper

106 100

91 198.8 160.1 240.1





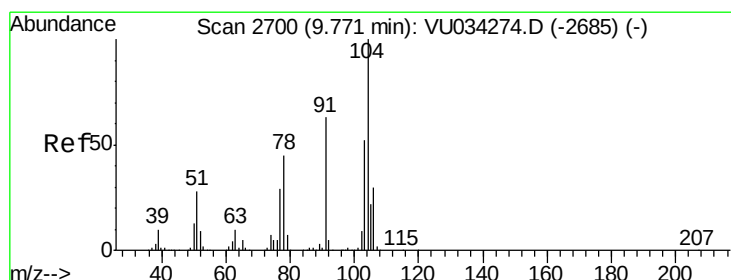
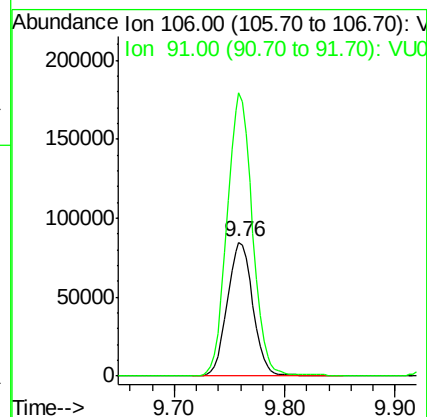
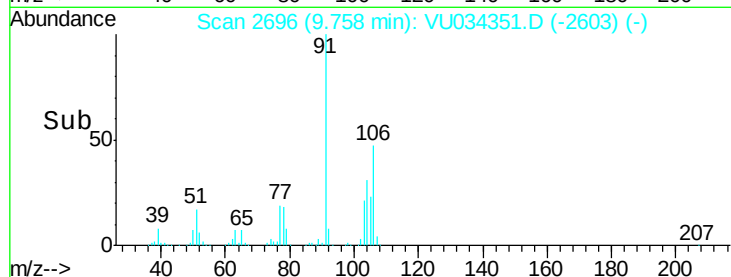
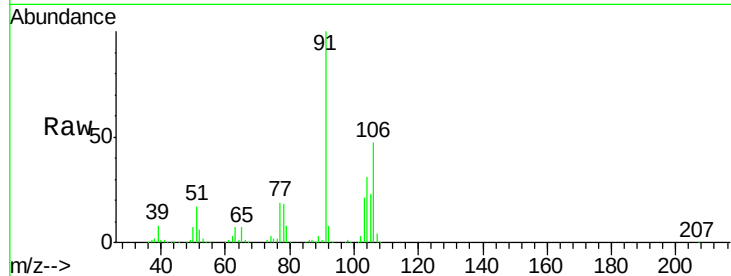
#69
o-Xylene
Concen: 20.999 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.9	105.1	315.3

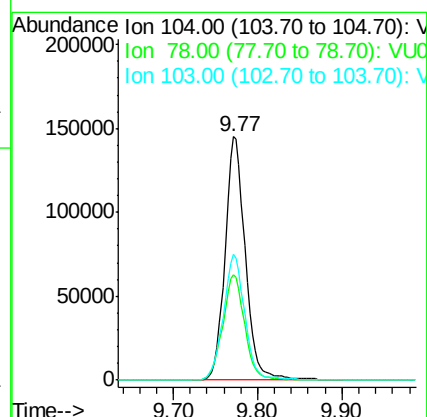
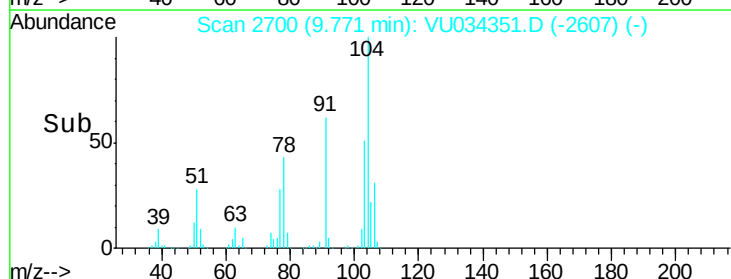
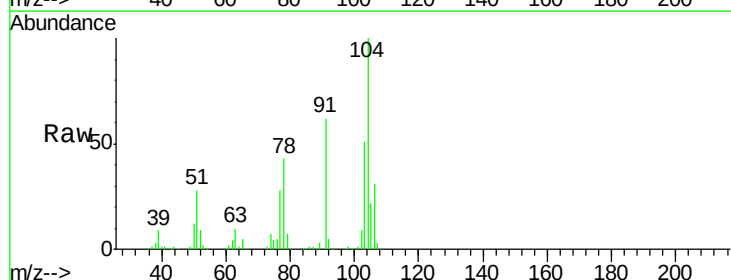
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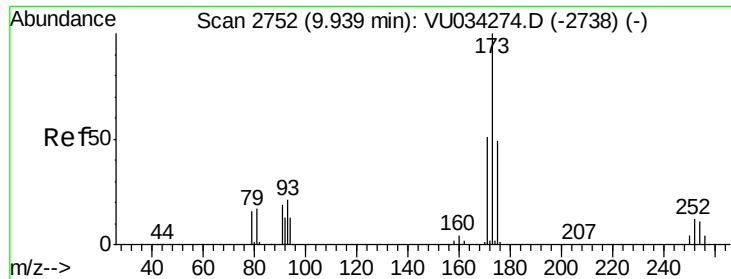
MMDadoda
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#70
Styrene
Concen: 21.258 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.4	38.6	57.8
103	54.8	44.2	66.4





#71

Bromoform

Concen: 19.329 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

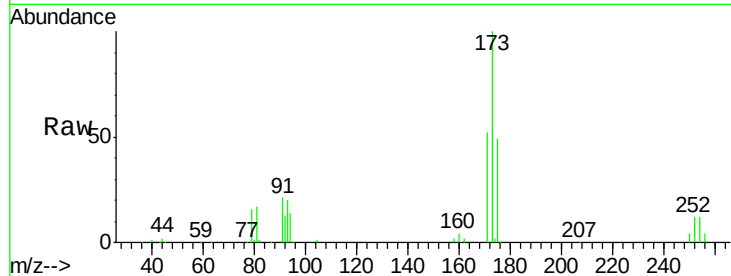
ClientSampleId :

VU0907WBS02

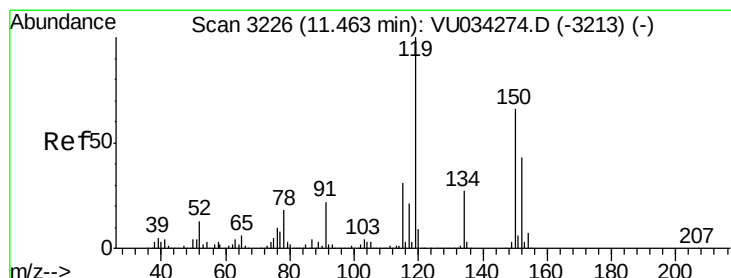
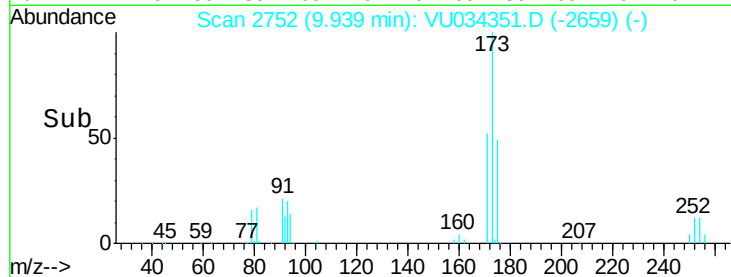
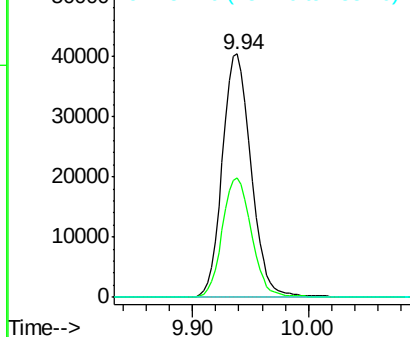
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.2
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

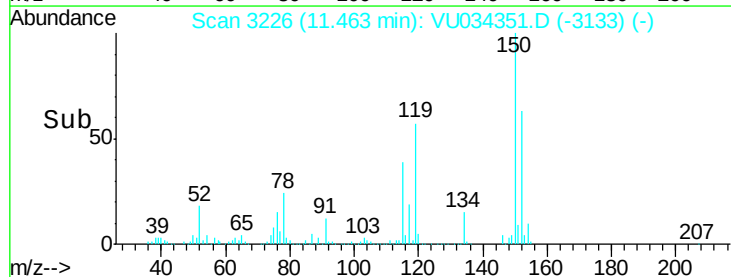
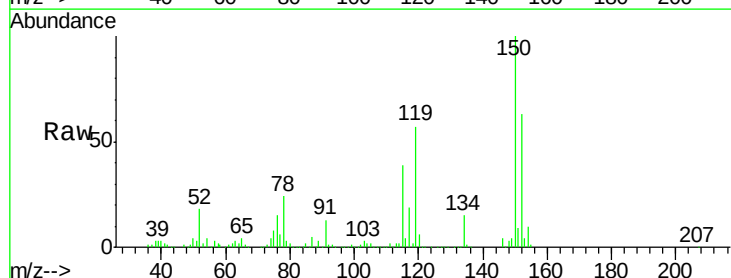
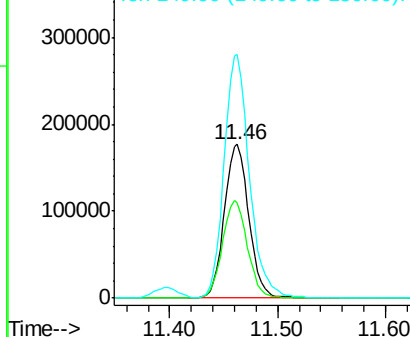
Delta R.T. -0.00 min

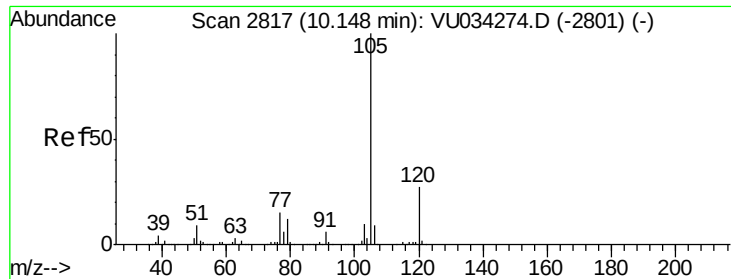
Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	39.1	117.3
150	162.4	0.0	345.4

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.810 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

Tot Ion:105 Resp: 379305

Ion Ratio Lower Upper

105 100

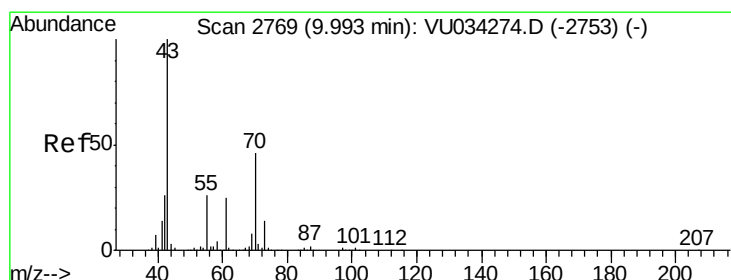
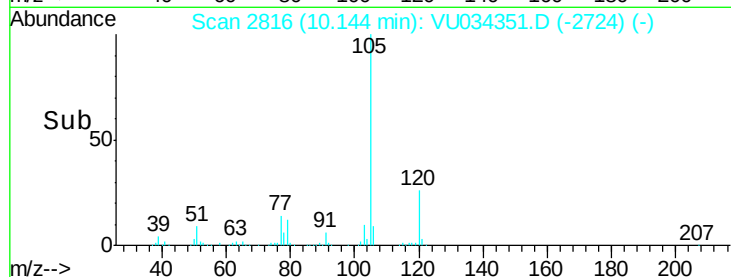
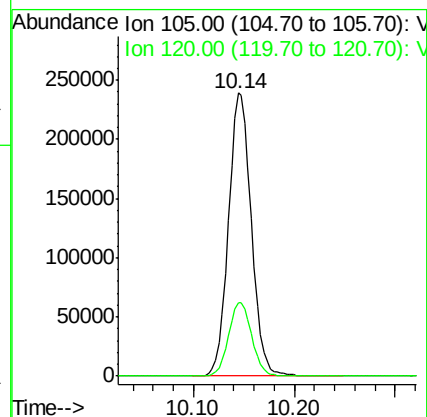
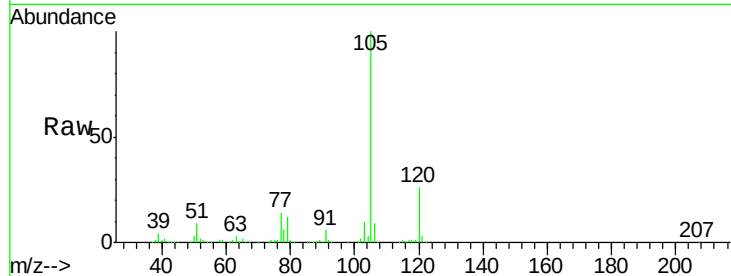
120 26.4 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.256 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tgt Ion: 43 Resp: 148614

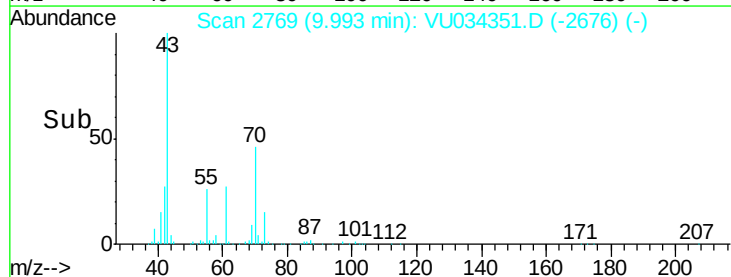
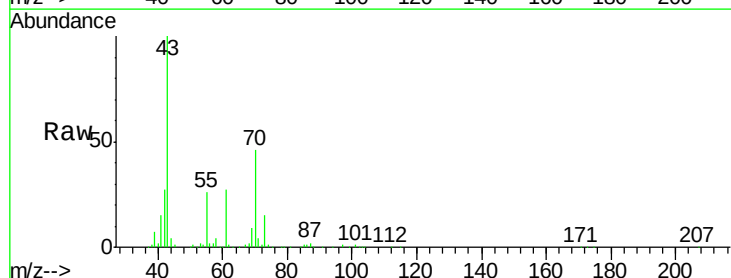
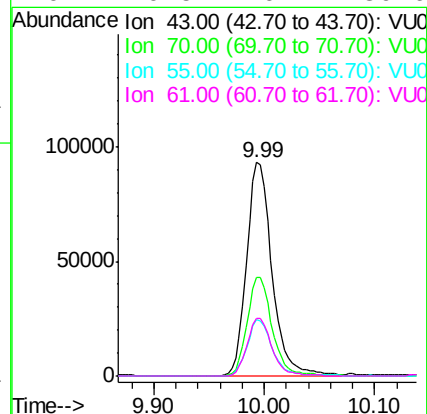
Ion Ratio Lower Upper

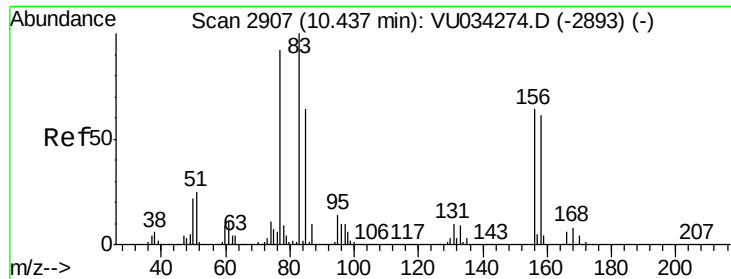
43 100

70 45.7 36.4 54.6

55 26.4 21.2 31.8

61 26.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.758 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

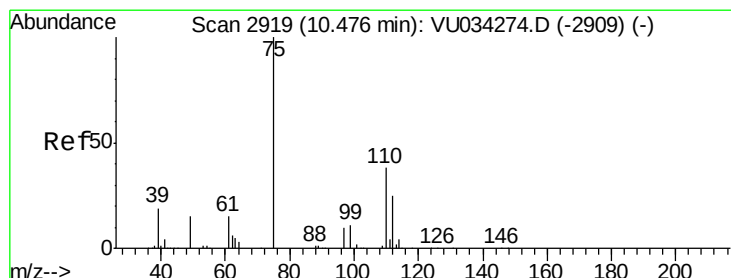
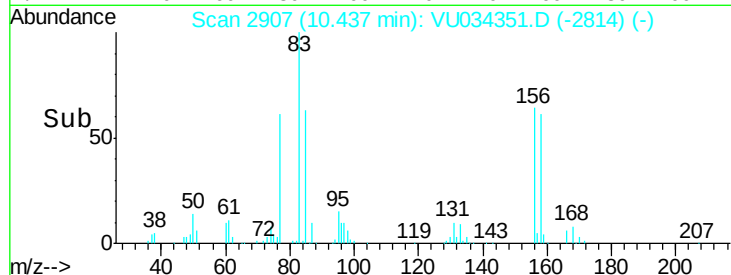
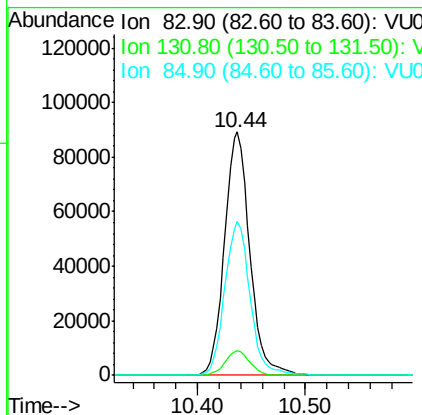
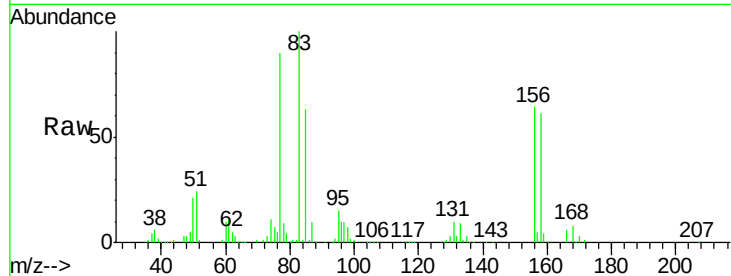
ClientSampleId :

VU0907WBS02

Tot Ion:	83	Resp:	145773
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.2
85	63.4	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.319 ug/l m

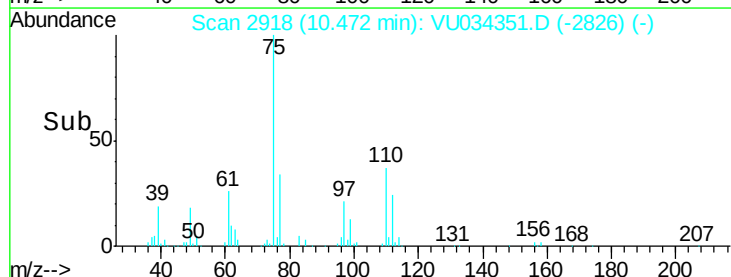
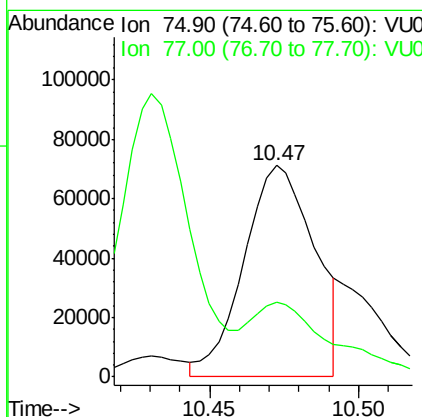
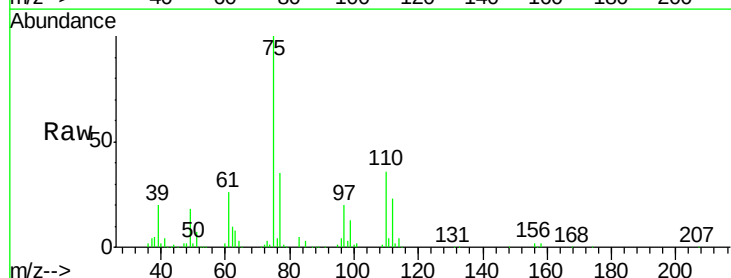
RT: 10.47 min Scan# 2918

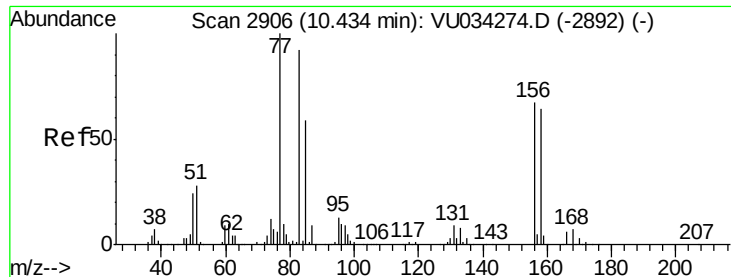
Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tgt Ion:	75	Resp:	118111
Ion Ratio	Lower	Upper	
75	100		
77	41.0	20.8	62.2





#77

Bromobenzene

Concen: 20.614 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

Tot Ion:156 Resp: 105059

Ion Ratio Lower Upper

156 100

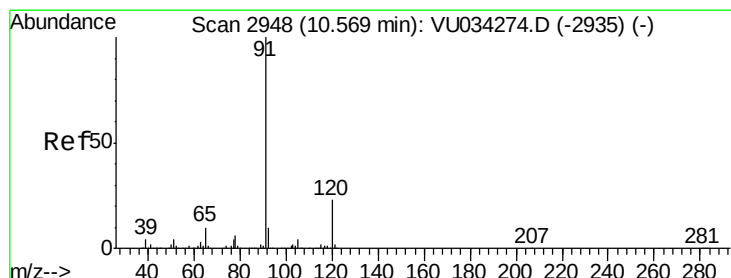
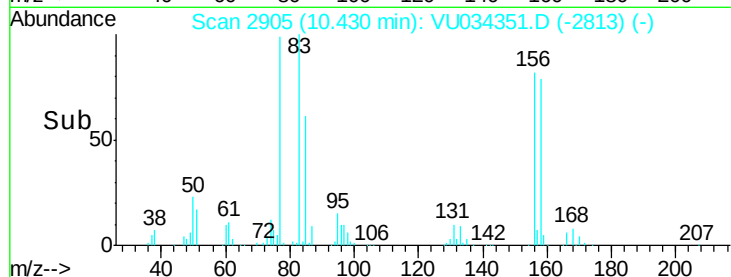
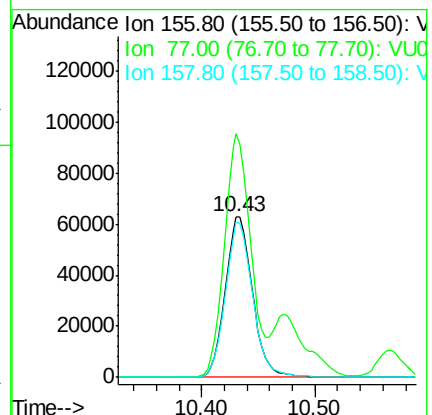
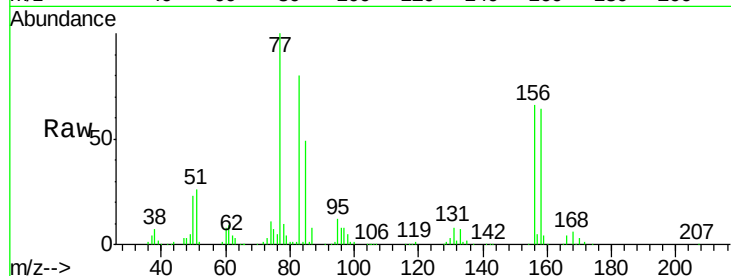
77 145.6 75.6 226.9

158 96.7 48.2 144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.408 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034351.D

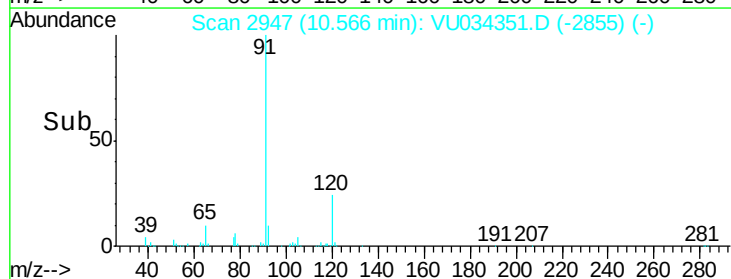
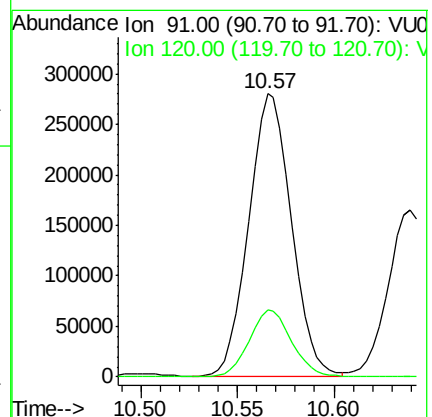
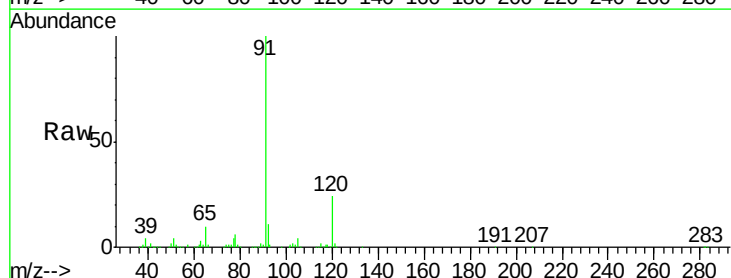
Acq: 06 Sep 2019 23:55

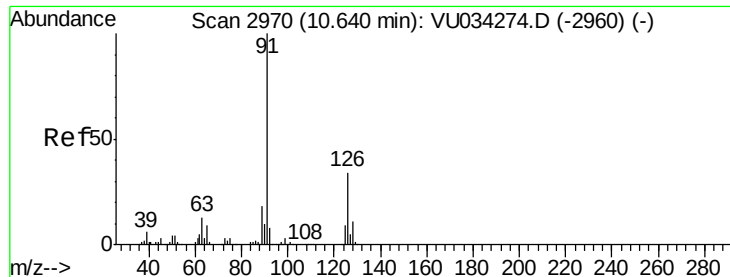
Tgt Ion: 91 Resp: 429606

Ion Ratio Lower Upper

91 100

120 23.6 11.7 35.0





#79

2-Chlorotoluene

Concen: 20.609 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

Tot Ion: 91 Resp: 264707

Ion Ratio Lower Upper

91 100

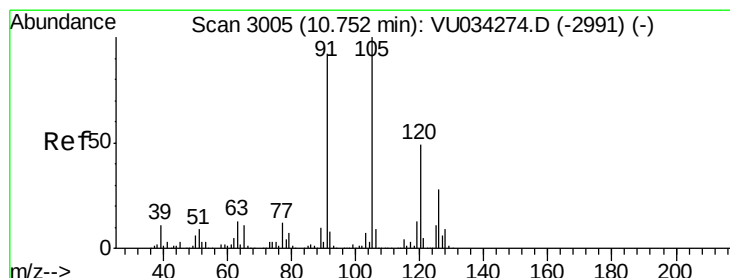
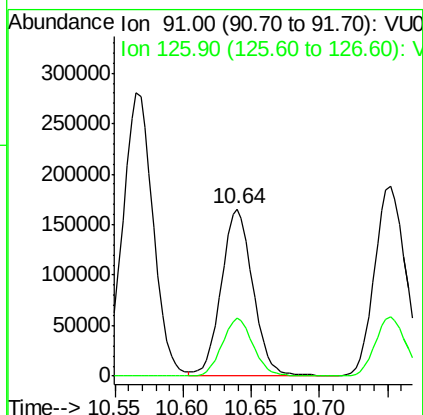
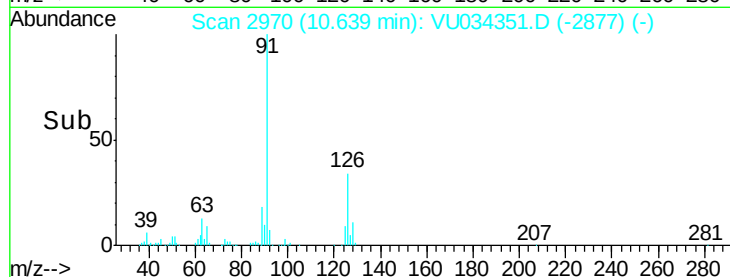
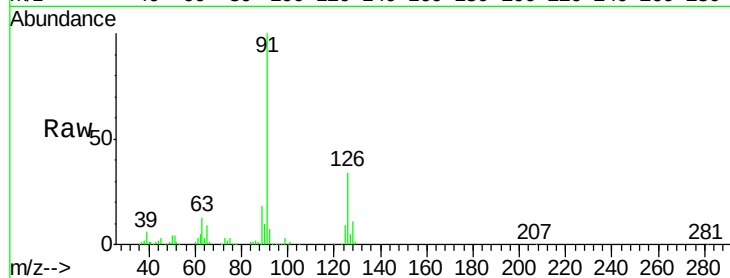
126 34.4 17.3 51.9

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#80

1,3,5-Trimethylbenzene

Concen: 21.086 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034351.D

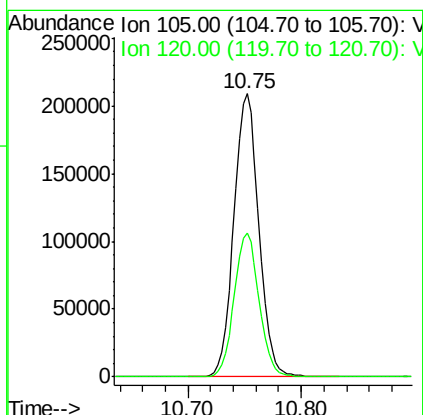
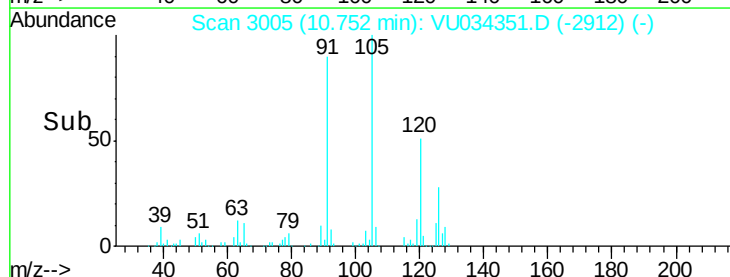
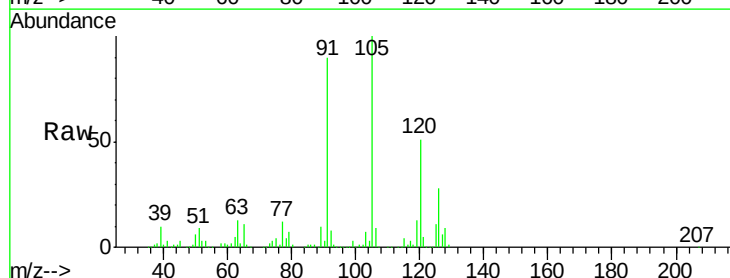
Acq: 06 Sep 2019 23:55

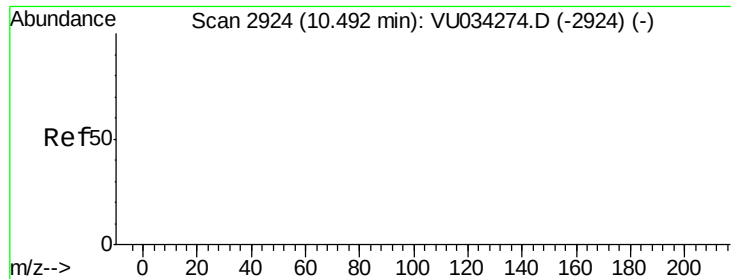
Tgt Ion: 105 Resp: 321443

Ion Ratio Lower Upper

105 100

120 50.7 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.900 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU034351.D

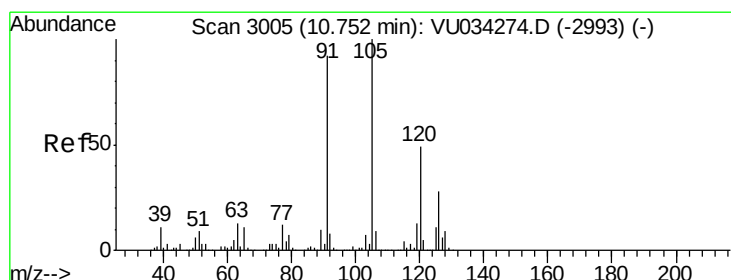
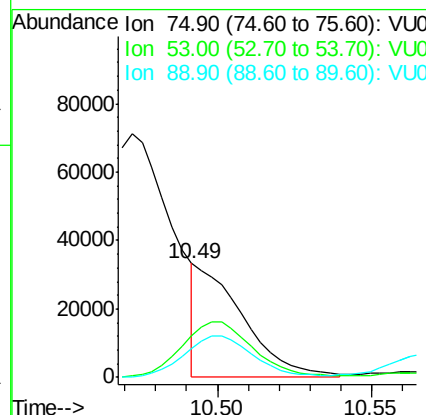
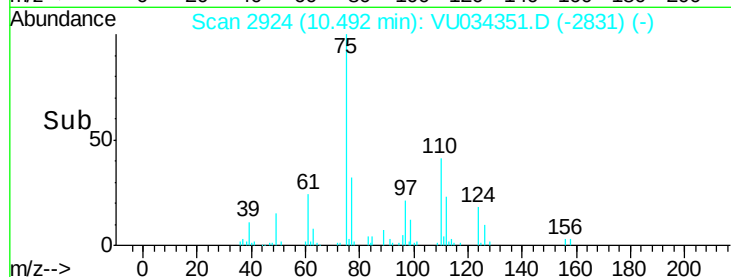
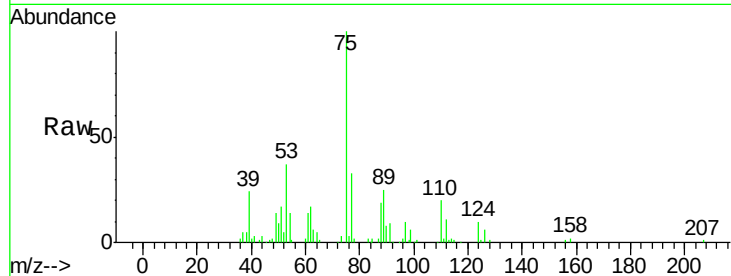
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.430 ug/l

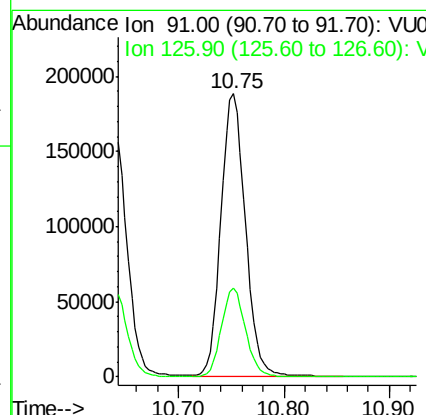
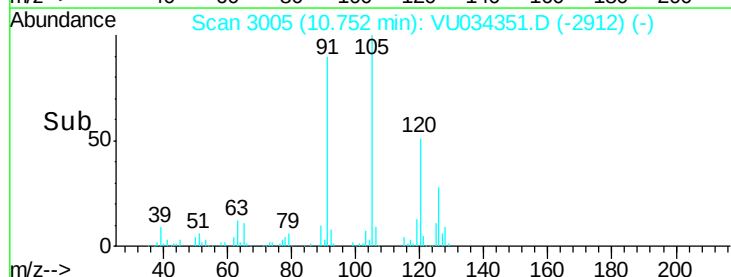
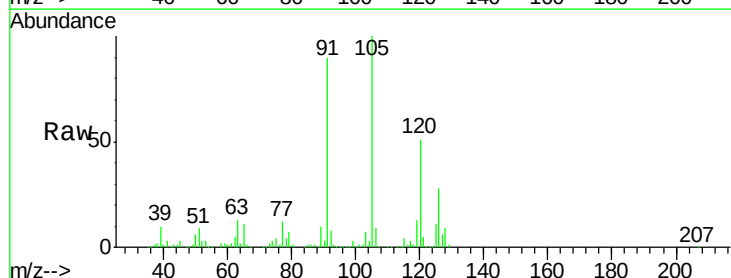
RT: 10.75 min Scan# 3005

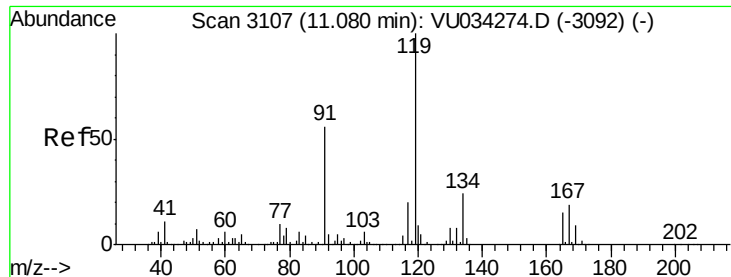
Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8





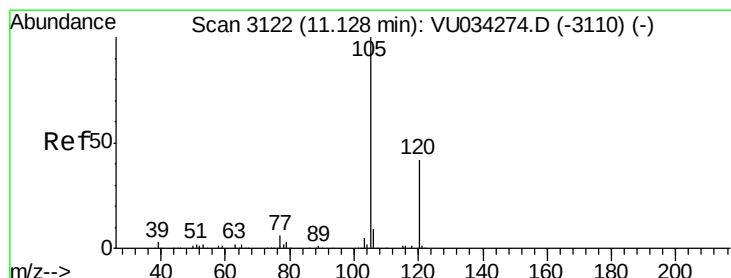
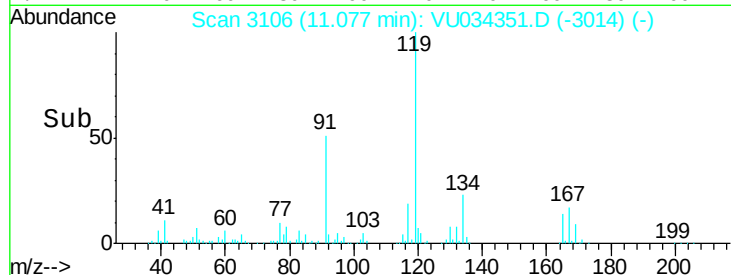
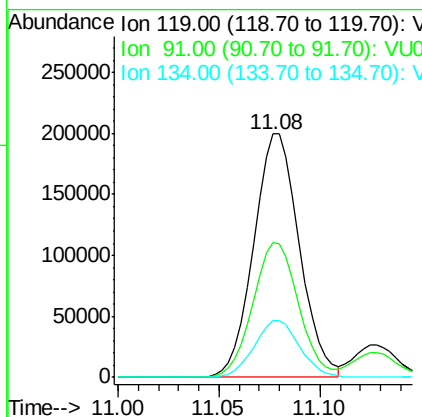
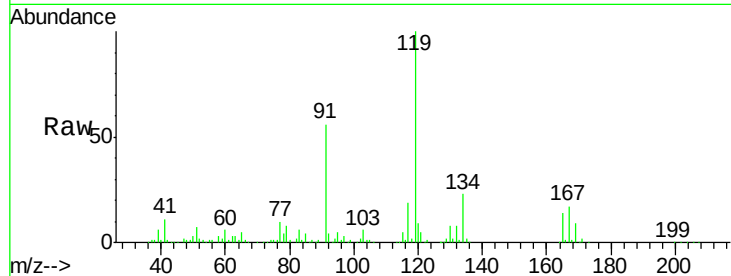
#83
 tert-Butylbenzene
 Concen: 20.690 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	315521		
91	55.1		27.8	83.4
134	23.4		11.7	35.0

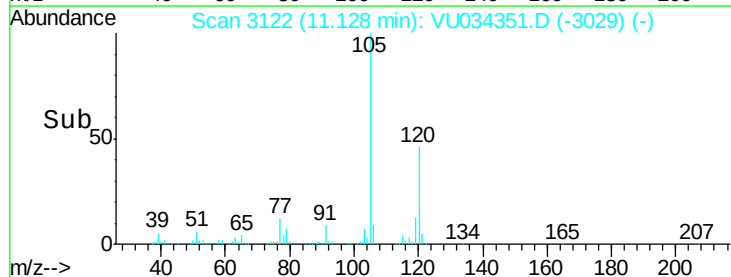
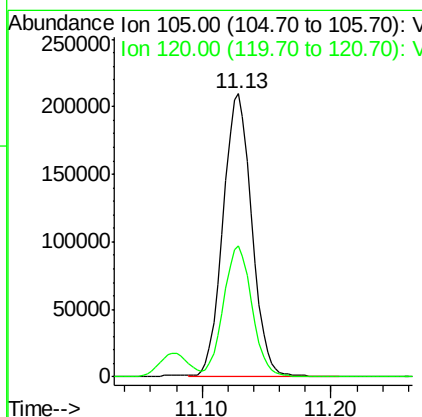
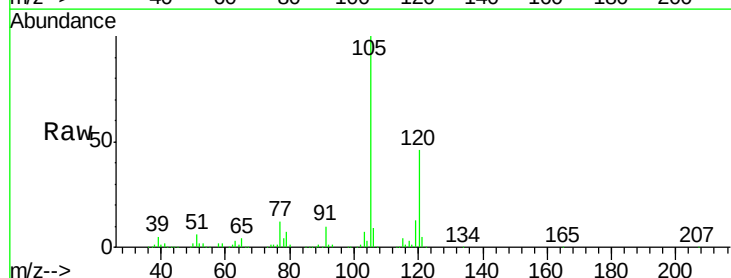
Manual Integrations
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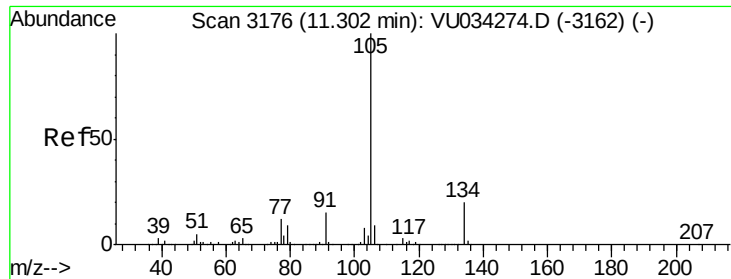
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.083 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	323514		
120	45.8		22.9	68.8





#85

sec-Butylbenzene

Concen: 21.077 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

Tot Ion:105 Resp: 379465

Ion Ratio Lower Upper

105 100

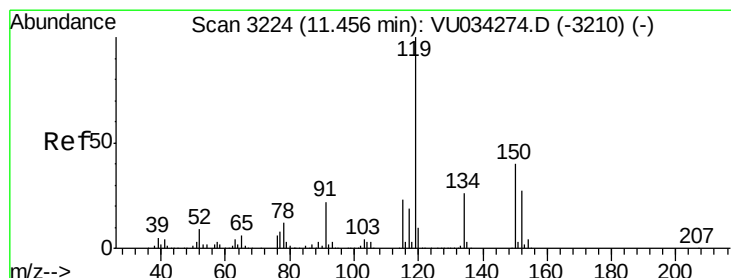
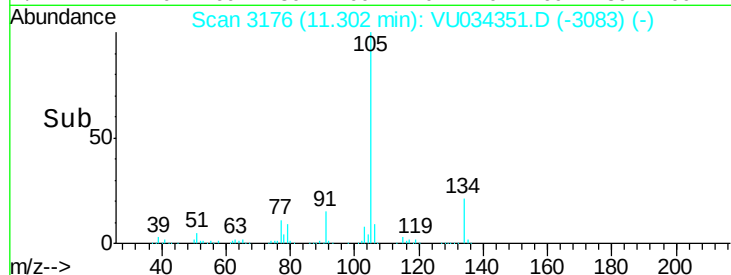
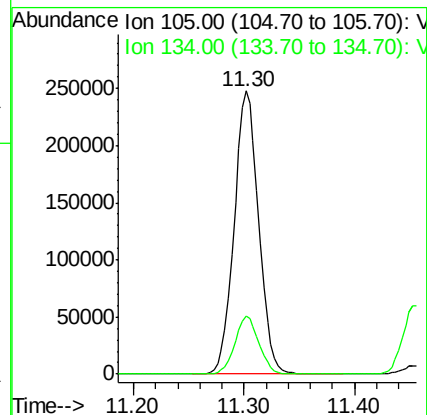
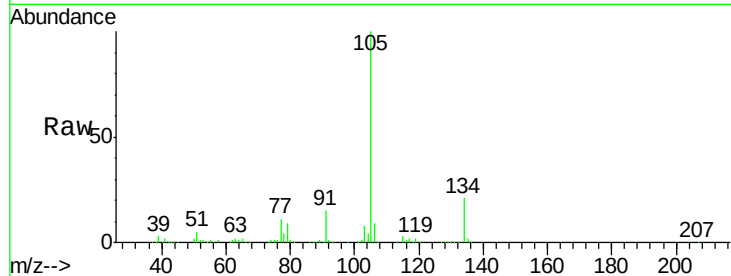
134 20.3 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 20.826 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

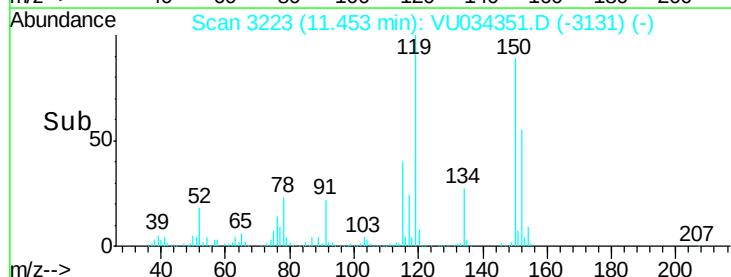
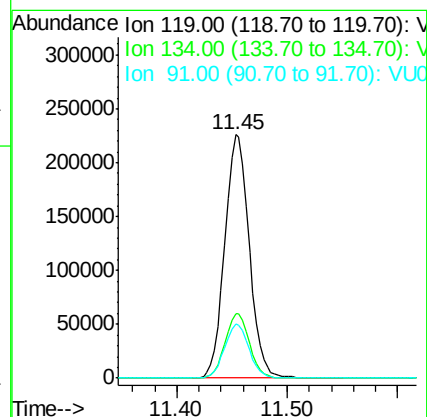
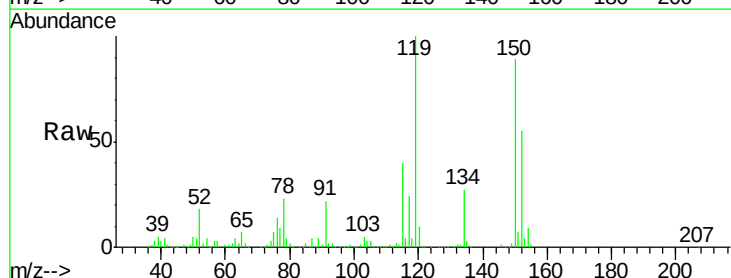
Tgt Ion:119 Resp: 346074

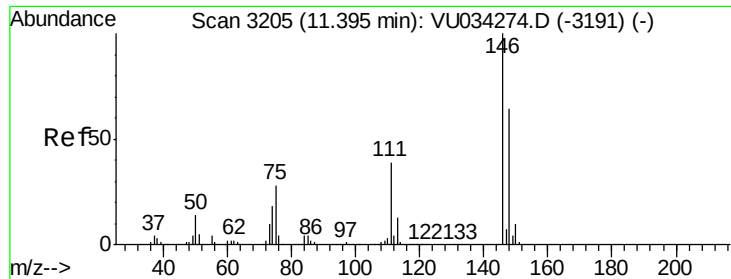
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.1 11.2 33.6





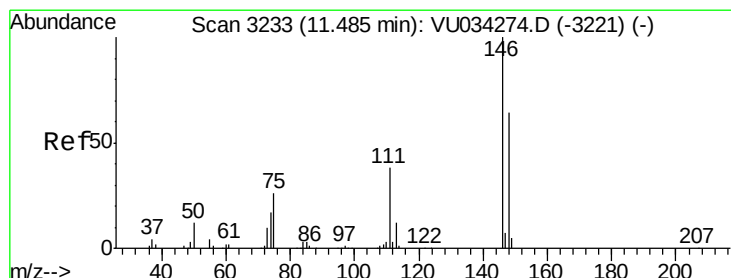
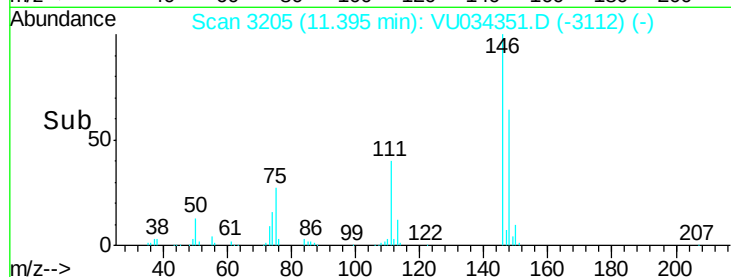
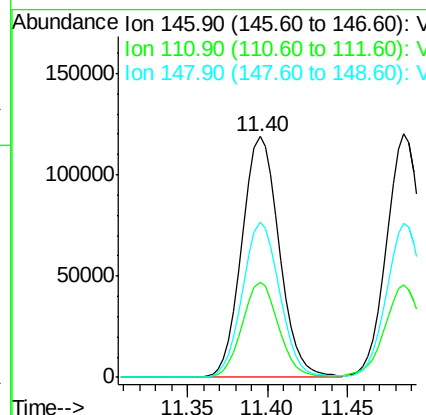
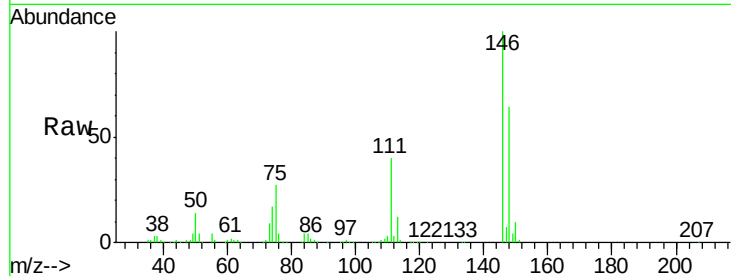
#87
 1,3-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.4	32.1	96.3

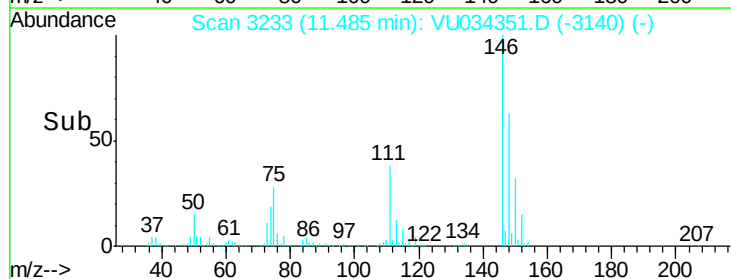
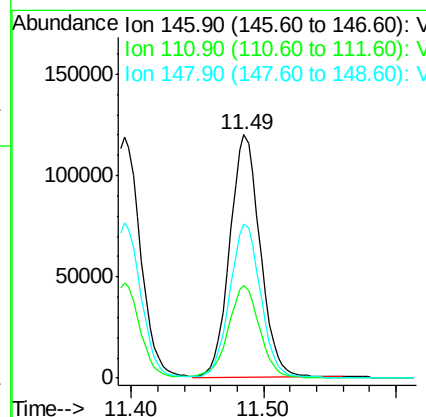
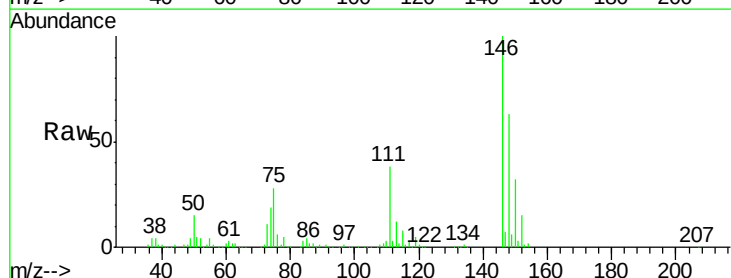
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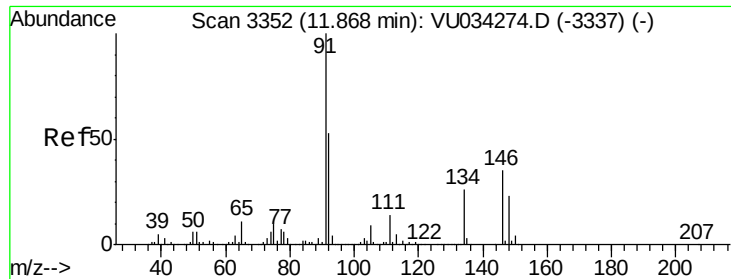
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#88
 1,4-Dichlorobenzene
 Concen: 19.657 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.3
148	64.5	32.0	96.0





#89

n-Butylbenzene

Concen: 19.792 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

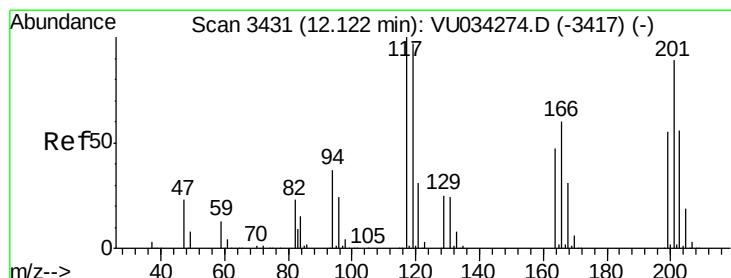
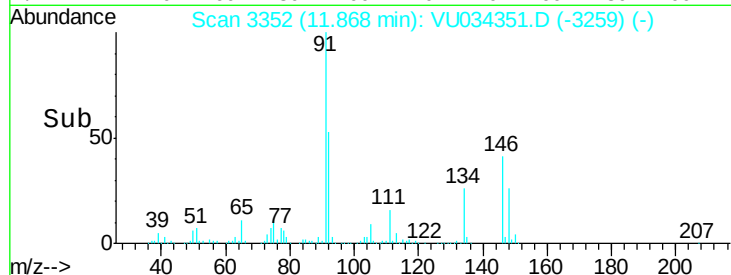
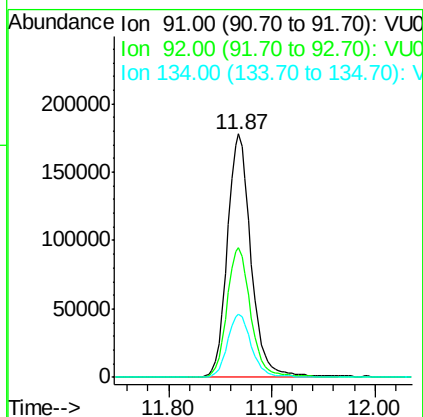
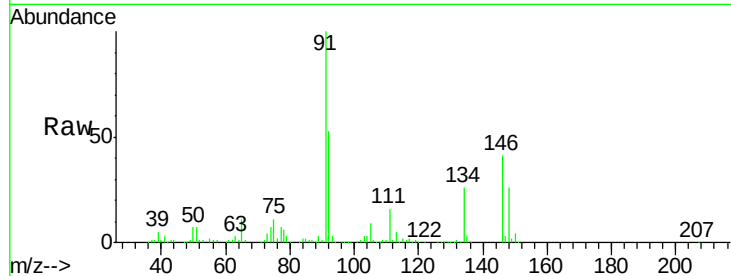
ClientSampleId :

VU0907WBS02

Tot Ion:	91	Resp:	285814
Ion Ratio	Lower	Upper	
91	100		
92	53.5	26.5	79.4
134	26.4	13.2	39.6

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#90

Hexachloroethane

Concen: 18.209 ug/l

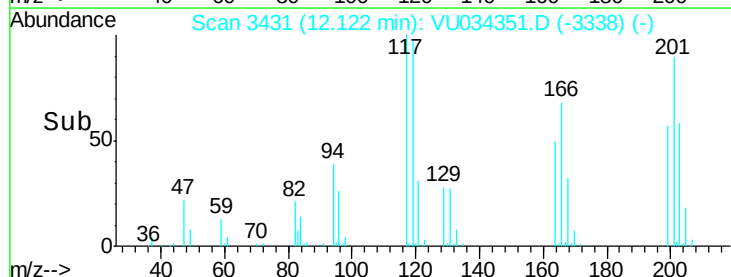
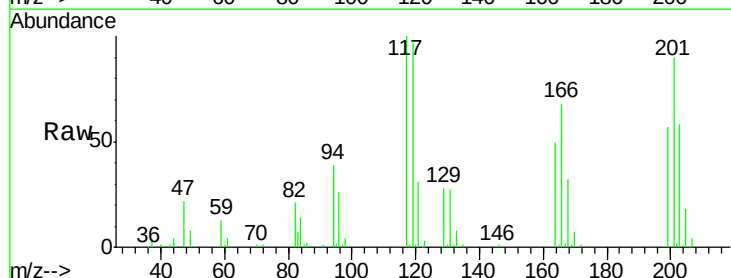
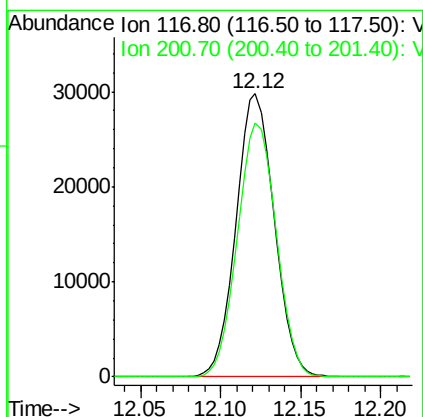
RT: 12.12 min Scan# 3431

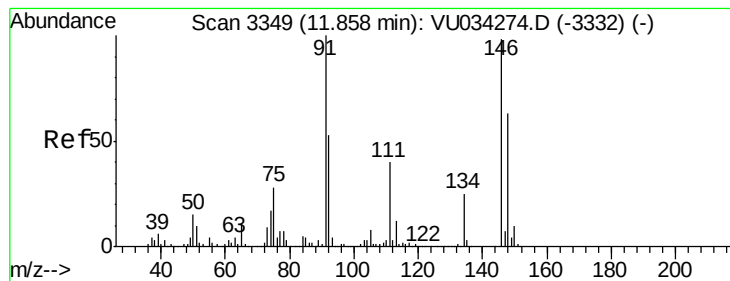
Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tgt Ion:	117	Resp:	48409
Ion Ratio	Lower	Upper	
117	100		
201	91.1	44.1	132.4





#91

1,2-Dichlorobenzene

Concen: 20.252 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

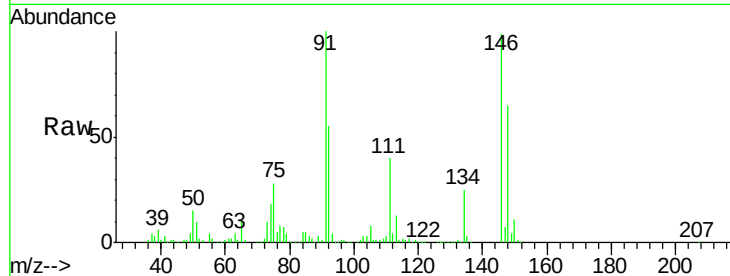
ClientSampled :

VU0907WBS02

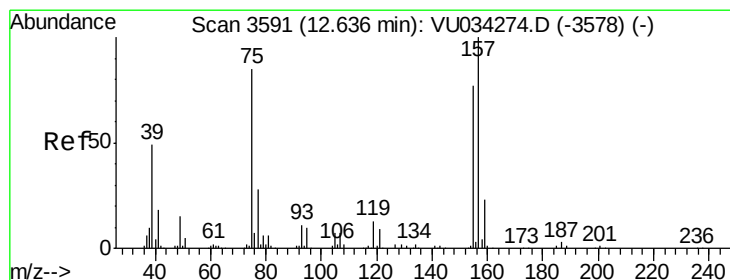
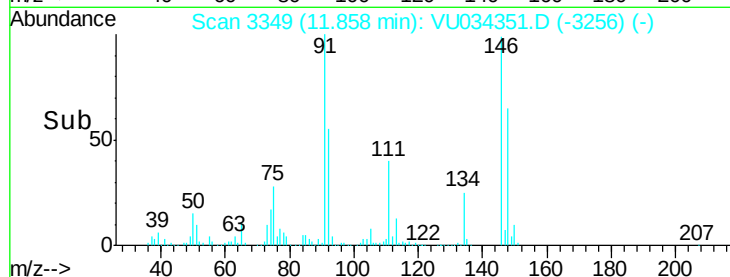
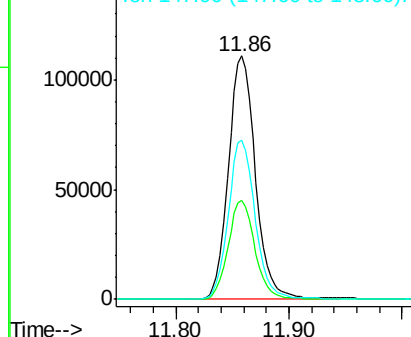
Tot Ion:	146	Resp:	185105
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.0	60.0
148	65.2	31.6	94.8

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.111 ug/l

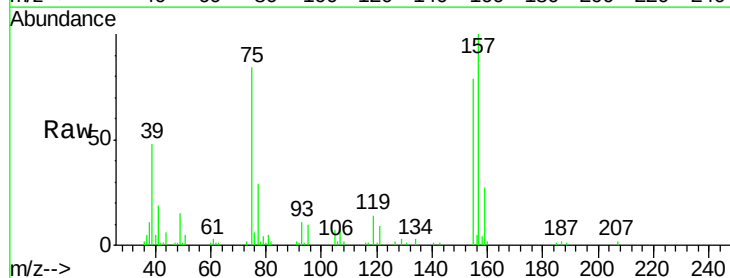
RT: 12.64 min Scan# 3591

Delta R.T. -0.00 min

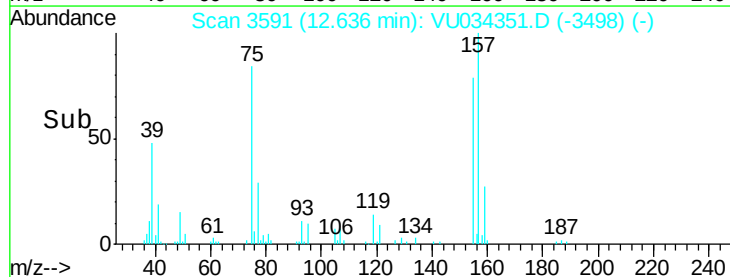
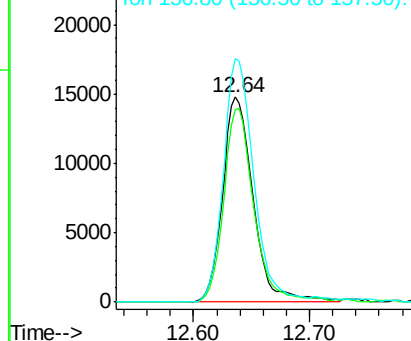
Lab File: VU034351.D

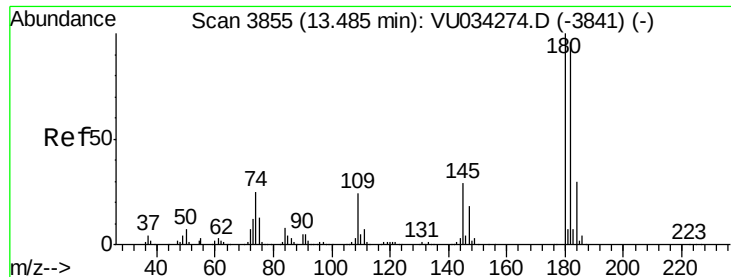
Acq: 06 Sep 2019 23:55

Tgt Ion:	75	Resp:	27265
Ion Ratio	Lower	Upper	
75	100		
155	92.6	44.6	134.0
157	116.8	58.2	174.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





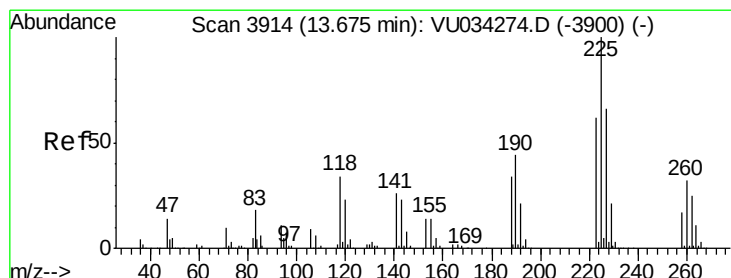
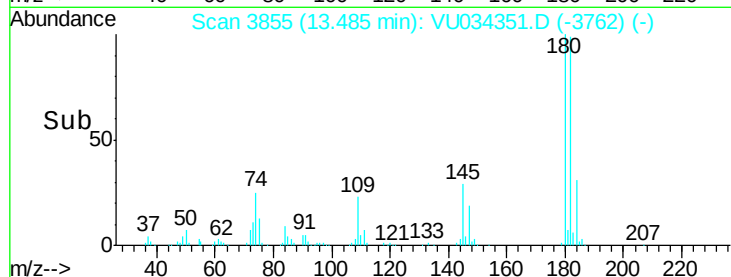
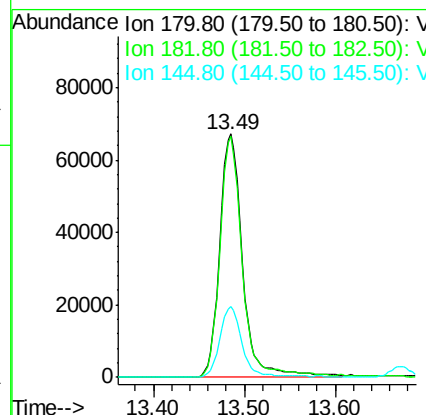
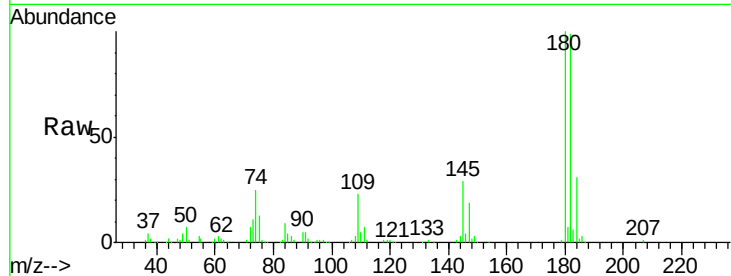
#93
 1,2,4-Trichlorobenzene
 Concen: 20.041 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118119		
182	96.5	47.9	143.8	
145	27.9	14.4	43.0	

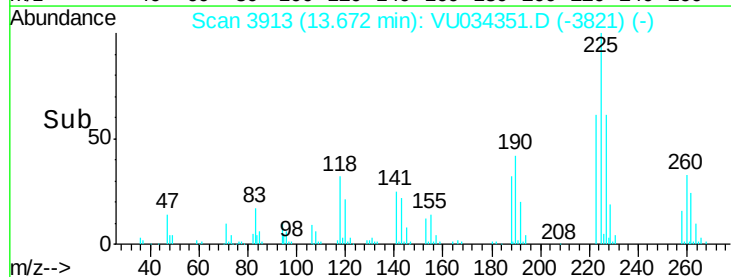
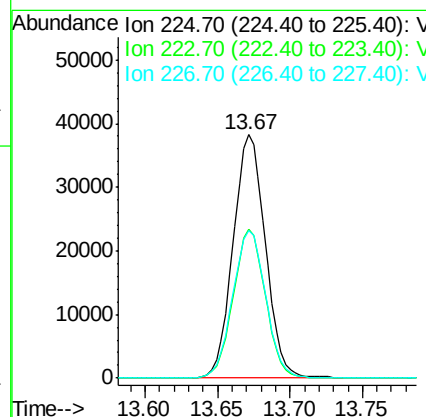
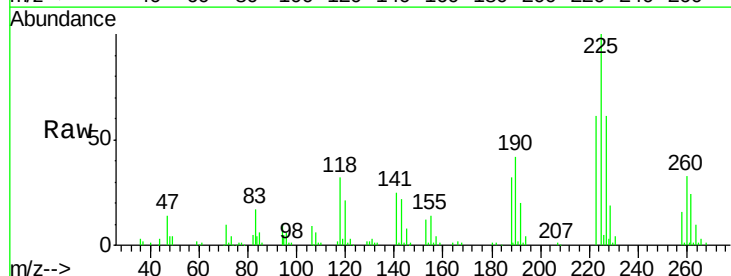
Manual Integrations
 APPROVED

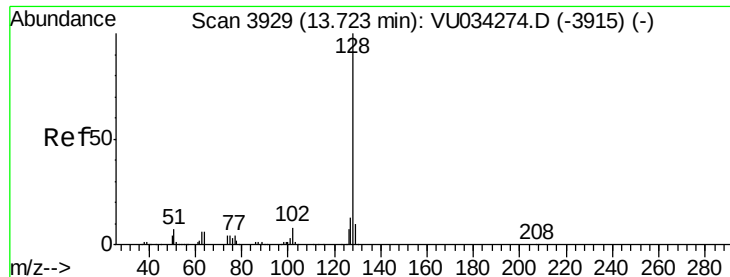
MMDadoda
 9/10/2019 1:30:47 PM



#94
 Hexachlorobutadiene
 Concen: 18.484 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59097		
223	60.9	31.6	94.7	
227	62.2	32.3	96.8	





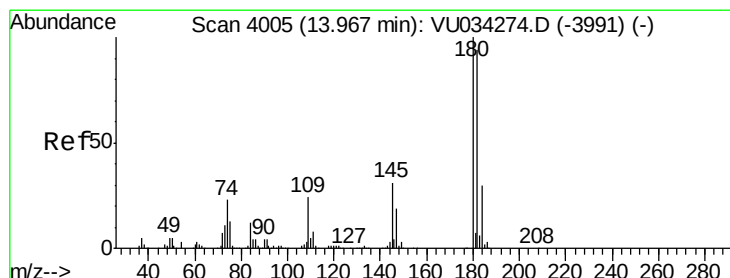
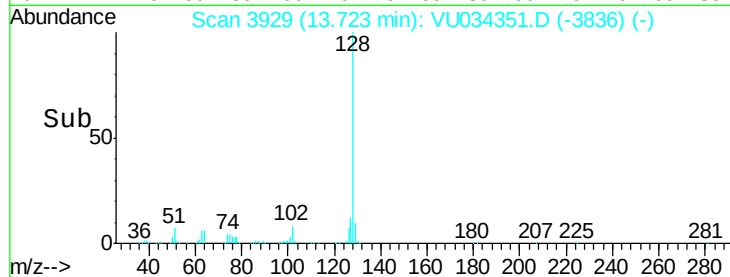
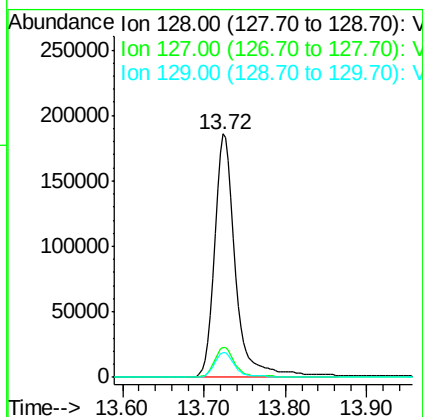
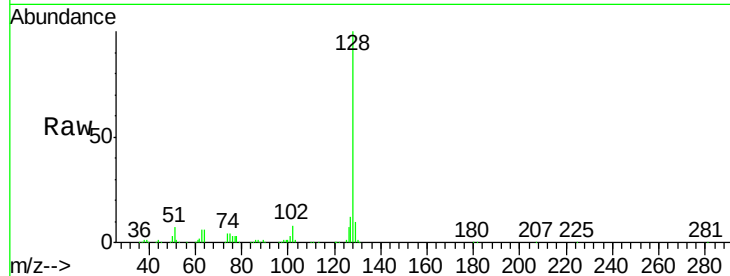
#95
Naphthalene
Concen: 20.677 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	9.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.264 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.4	145.0
145	30.7	15.4	46.4

