

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092018\
 Data File : VU026922.D
 Acq On : 20 Sep 2018 01:05
 Operator : MD/SY
 Sample : J4934-11MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 4:12:32 PM

Quant Time: Sep 20 08:09:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	92625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	137467	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82968	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	66462	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
35) Dibromofluoromethane	4.88	113	56485	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	7.57	98	206757	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	10.31	95	74567	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	51649	51.612	ug/l	100
3) Chloromethane	1.33	50	60366	43.176	ug/l	100
4) Vinyl Chloride	1.40	62	65434	45.161	ug/l	99
5) Bromomethane	1.61	94	30969	34.126	ug/l	98
6) Chloroethane	1.69	64	43582	47.264	ug/l	98
7) Trichlorofluoromethane	1.88	101	87181	46.028	ug/l	99
8) Diethyl Ether	2.10	74	38342	46.195	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	53325	47.406	ug/l	99
10) Methyl Iodide	2.41	142	27976	31.439	ug/l	98
11) Tert butyl alcohol	2.83	59	66480	194.112	ug/l	100
12) 1,1-Dichloroethene	2.28	96	53511	50.321	ug/l	97
13) Acrolein	2.19	56	54126	234.516	ug/l	99
14) Allyl chloride	2.59	41	84969	44.365	ug/l	95
15) Acrylonitrile	2.94	53	178768	243.394	ug/l	99
16) Acetone	2.32	43	154661	194.418	ug/l	98
17) Carbon Disulfide	2.48	76	153242	45.292	ug/l	99
18) Methyl Acetate	2.61	43	77819	45.337	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	178936	48.871	ug/l	99
20) Methylene Chloride	2.70	84	61979	48.033	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	55229	49.301	ug/l	95
22) Diisopropyl ether	3.57	45	188821	47.238	ug/l	99
23) Vinyl Acetate	3.52	43	690070	203.233	ug/l	98
24) 1,1-Dichloroethane	3.45	63	185545	82.287	ug/l	98
25) 2-Butanone	4.26	43	232029	216.530	ug/l	98
26) 2,2-Dichloropropane	4.23	77	69057	37.259	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	62504	48.411	ug/l	95
28) Bromochloromethane	4.55	49	48763	45.225	ug/l	92
29) Tetrahydrofuran	4.64	42	150990	233.712	ug/l	98
30) Chloroform	4.67	83	105120	47.408	ug/l	98
31) Cyclohexane	5.00	56	94116	45.684	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	90298	49.185	ug/l	98
36) 1,1-Dichloropropene	5.14	75	77489	50.206	ug/l	98
37) Ethyl Acetate	4.38	43	76049	40.975	ug/l	99
38) Carbon Tetrachloride	5.13	117	79918	49.010	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	89444	48.809	ug/l	97
40) Benzene	5.39	78	239345	49.935	ug/l	99
41) Methacrylonitrile	4.54	41	48718	46.631	ug/l	98
42) 1,2-Dichloroethane	5.40	62	82745	48.413	ug/l	96
43) Isopropyl Acetate	5.55	43	123458	43.686	ug/l	98
44) Trichloroethene	6.19	130	60714	51.180	ug/l	96
45) 1,2-Dichloropropane	6.43	63	63127	48.448	ug/l	98
46) Dibromomethane	6.56	93	41277	49.090	ug/l	91
47) Bromodichloromethane	6.76	83	81260	49.078	ug/l	99
48) Methyl methacrylate	6.62	41	68028	44.214	ug/l	96
49) 1,4-Dioxane	6.61	88	30742	872.123	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	436992	231.176	ug/l	97
52) Toluene	7.64	92	149251	52.275	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	84972	46.267	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	90612	45.947	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	61478	50.257	ug/l	98
56) Ethyl methacrylate	8.02	69	88053	43.143	ug/l	95
57) 1,3-Dichloropropane	8.24	76	105526	50.612	ug/l	98
59) 2-Hexanone	8.36	43	332829	223.725	ug/l	95
60) Dibromochloromethane	8.48	129	67046	50.607	ug/l	100
61) 1,2-Dibromoethane	8.59	107	64503	48.598	ug/l	100
64) Tetrachloroethene	8.23	164	54964	52.574	ug/l	95
65) Chlorobenzene	9.12	112	164451	50.393	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	61531	51.245	ug/l	98
67) Ethyl Benzene	9.25	91	274064	50.982	ug/l	100
68) m/p-Xylenes	9.38	106	220540	107.845	ug/l	96
69) o-Xylene	9.78	106	104730	47.985	ug/l	96
70) Styrene	9.79	104	178541	48.564	ug/l	97
71) Bromoform	9.96	173	53324	51.062	ug/l #	99
73) Isopropylbenzene	10.17	105	283271	50.103	ug/l	99
74) N-amyl acetate	10.02	43	101260	37.936	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.46	83	101280	43.955	ug/l	99
76) 1,2,3-Trichloropropane	10.51	75	24067m	12.949	ug/l	
77) Bromobenzene	10.45	156	76282	49.643	ug/l	94
78) n-propylbenzene	10.59	91	325797	49.545	ug/l	99
79) 2-Chlorotoluene	10.66	91	193058	47.361	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	238530	50.193	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	19762m	37.180	ug/l	
82) 4-Chlorotoluene	10.77	91	220696	48.188	ug/l	97
83) tert-Butylbenzene	11.10	119	238679	49.490	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	245261	51.168	ug/l	99
85) sec-Butylbenzene	11.32	105	285699	49.883	ug/l	99
86) p-Isopropyltoluene	11.48	119	258933	47.090	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	139010	48.492	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	142044	47.712	ug/l	98
89) n-Butylbenzene	11.89	91	211451	42.202	ug/l	96
90) Hexachloroethane	12.15	117	44786	44.315	ug/l	92
91) 1,2-Dichlorobenzene	11.88	146	139878	48.507	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20780	44.982	ug/l	90
93) 1,2,4-Trichlorobenzene	13.50	180	95401	49.819	ug/l	99

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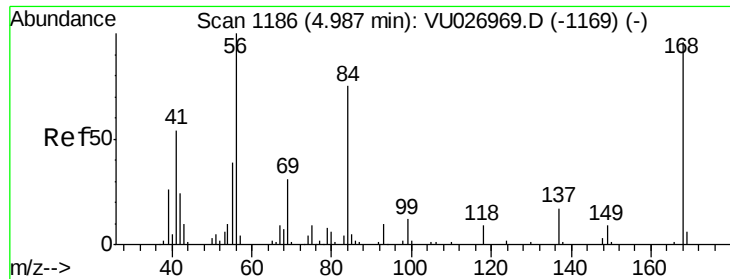
Manual Integrations
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9/21/2018 4:12:32 PM

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 05:32:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	51082	51.853	ug/l	99
95) Naphthalene	13.74	128	304482	47.321	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	104093	52.048	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion:168 Resp: 92625

Ion Ratio Lower Upper

168 100

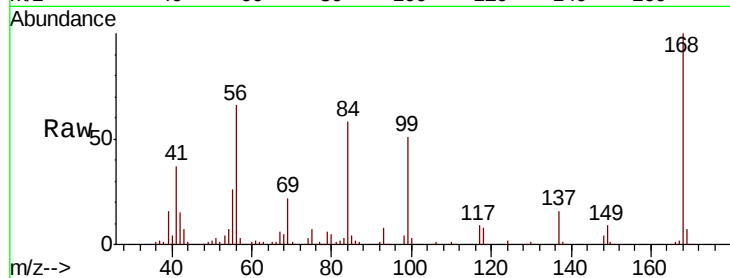
99 50.9 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

40000

30000

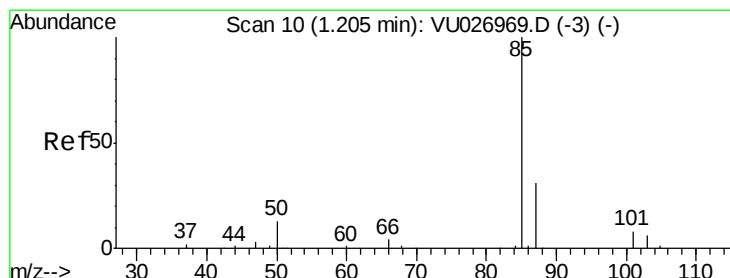
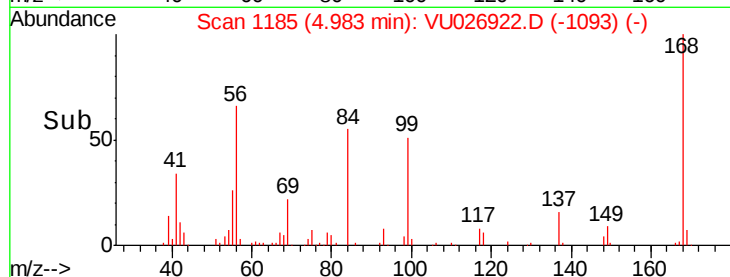
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.612 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026922.D

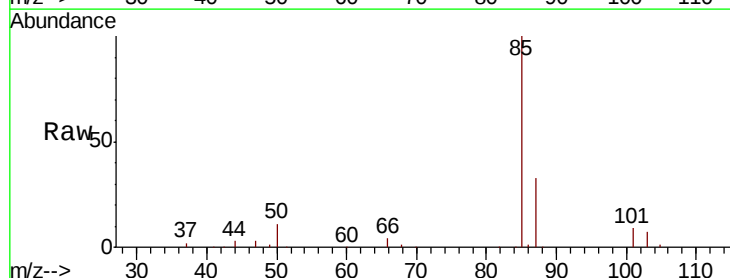
Acq: 20 Sep 2018 01:05

Tgt Ion: 85 Resp: 51649

Ion Ratio Lower Upper

85 100

87 33.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.20

60000

50000

40000

30000

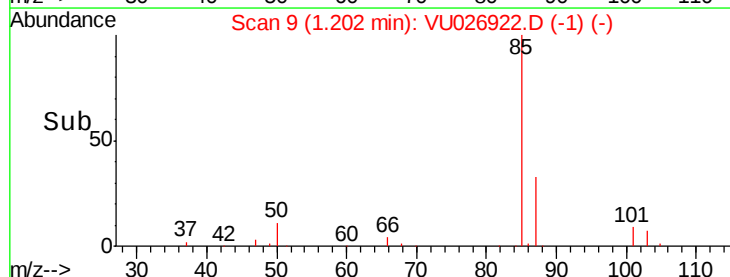
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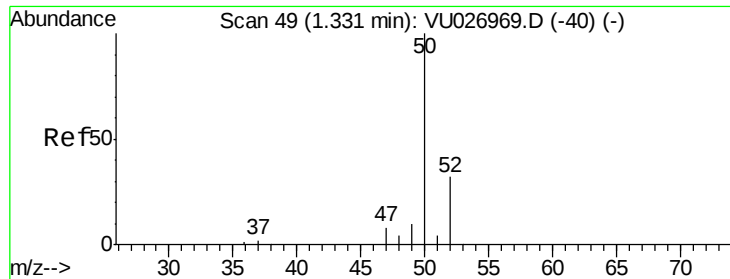
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.176 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion: 50 Resp: 60366

Ion Ratio Lower Upper

50 100

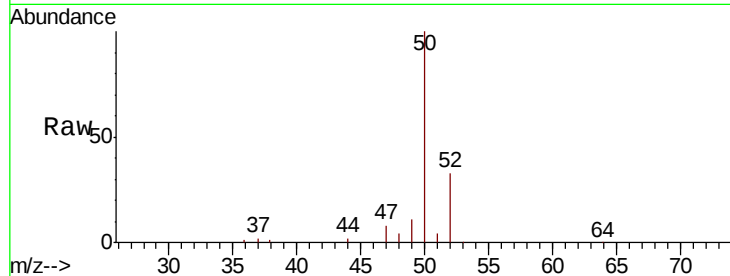
52 33.0 26.3 39.5

Manual Integrations

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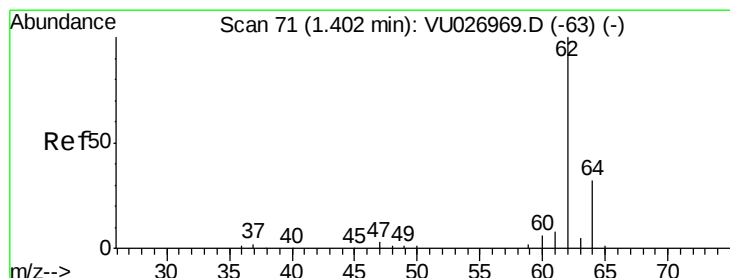
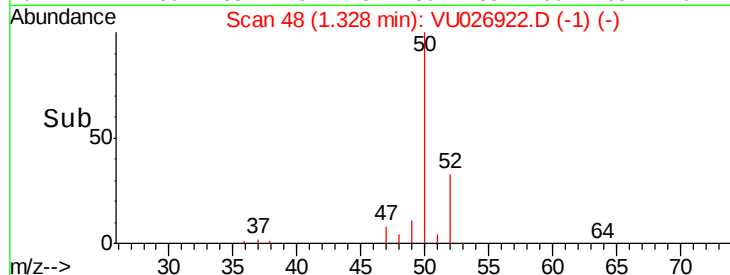
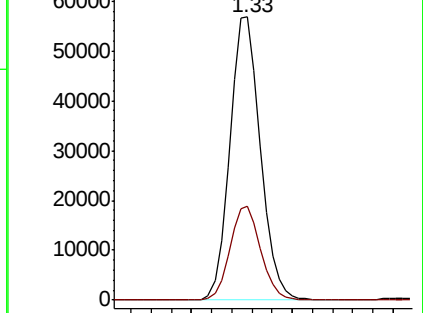
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Abundance Ion 49.90 (49.60 to 50.60): VU026922.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU026922.D (-1) (-)



#4

Vinyl Chloride

Concen: 45.161 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026922.D

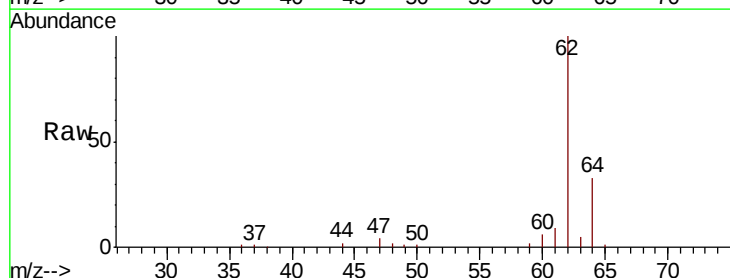
Acq: 20 Sep 2018 01:05

Tgt Ion: 62 Resp: 65434

Ion Ratio Lower Upper

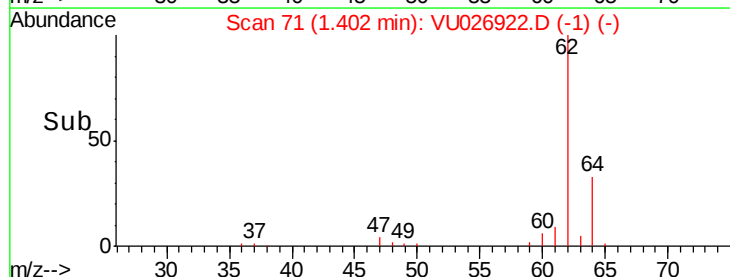
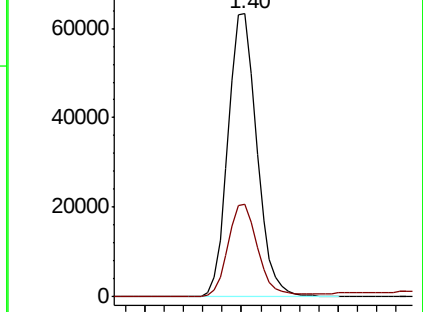
62 100

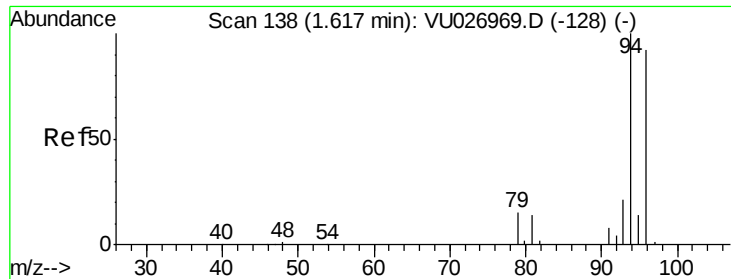
64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VU026922.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU026922.D (-1) (-)





#5

Bromomethane

Concen: 34.126 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion: 94 Resp: 30969

Ion Ratio Lower Upper

94 100

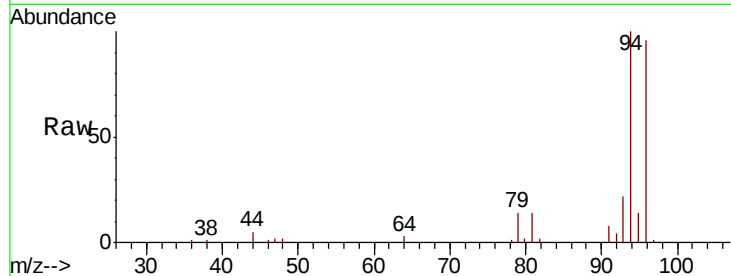
96 96.5 75.8 113.6

Manual Integrations

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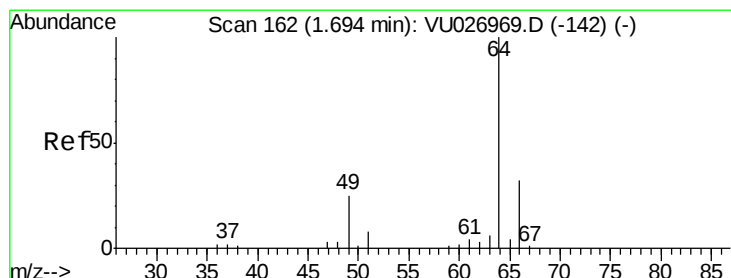
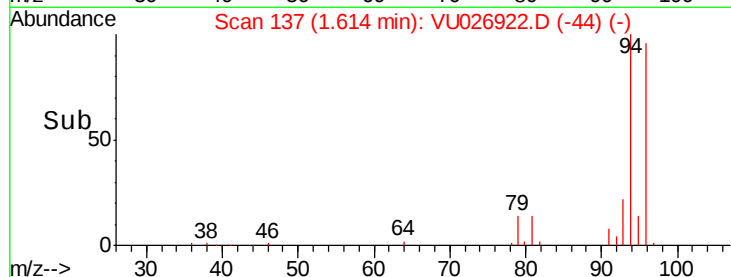
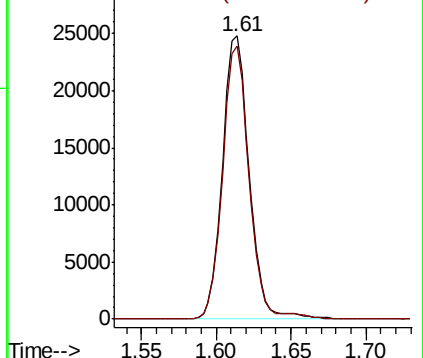
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Abundance Ion 93.90 (93.60 to 94.60): VU026969.D

Ion 95.90 (95.60 to 96.60): VU026969.D



#6

Chloroethane

Concen: 47.264 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.00 min

Lab File: VU026922.D

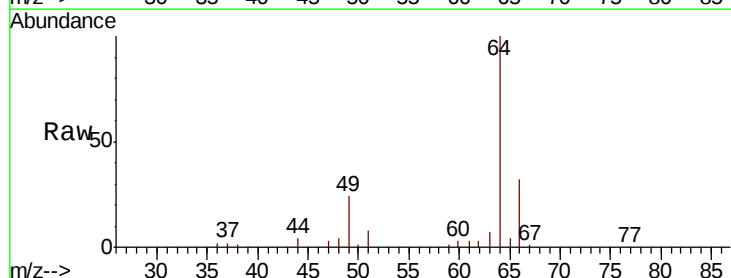
Acq: 20 Sep 2018 01:05

Tgt Ion: 64 Resp: 43582

Ion Ratio Lower Upper

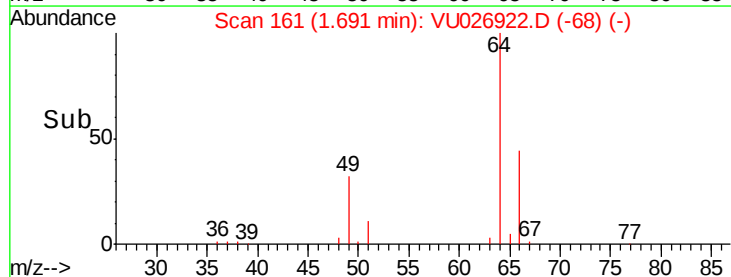
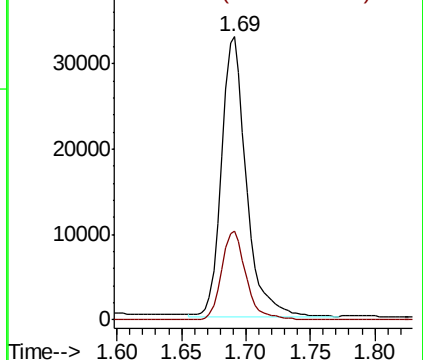
64 100

66 32.0 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D

Ion 65.90 (65.60 to 66.60): VU026969.D





#7

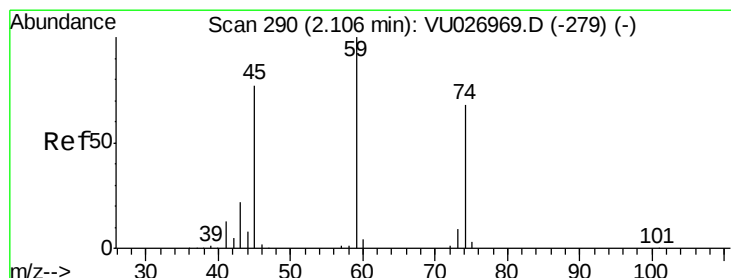
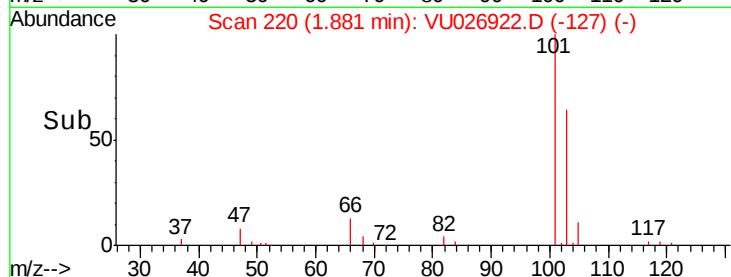
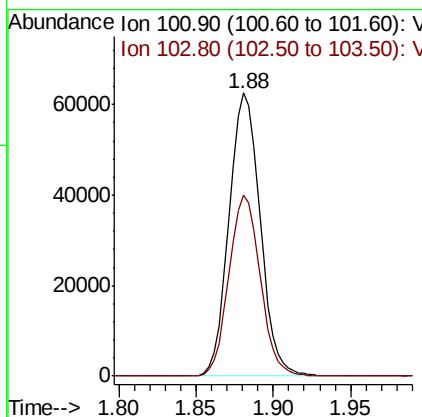
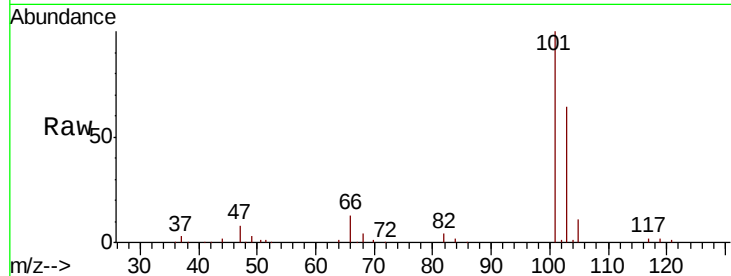
Trichlorofluoromethane
 Concen: 46.028 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.7	77.5

Manual Integrations
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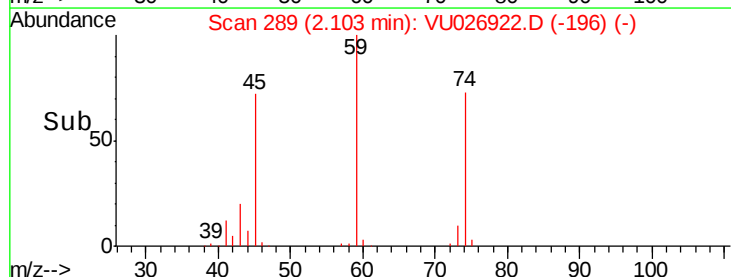
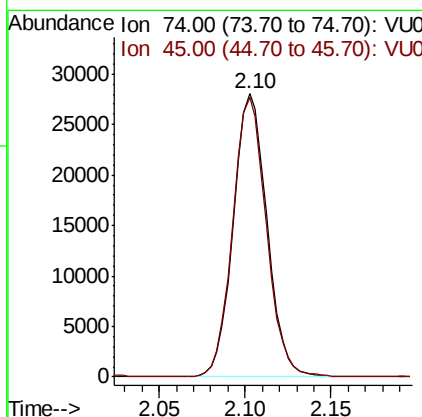
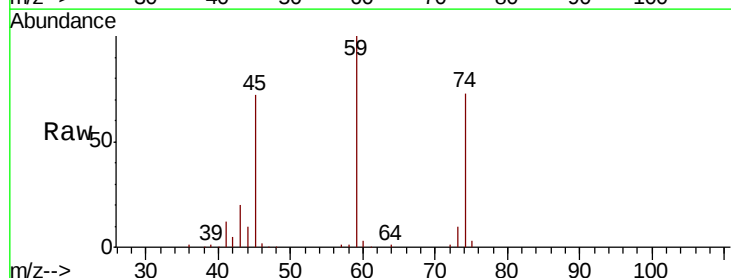
MMDadoda
 9/21/2018 4:12:32 PM

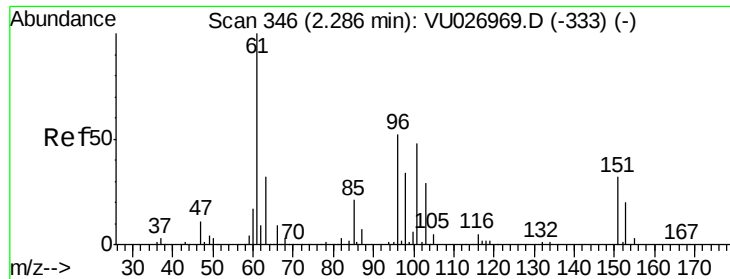


#8

Diethyl Ether
 Concen: 46.195 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	53.6	160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.406 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

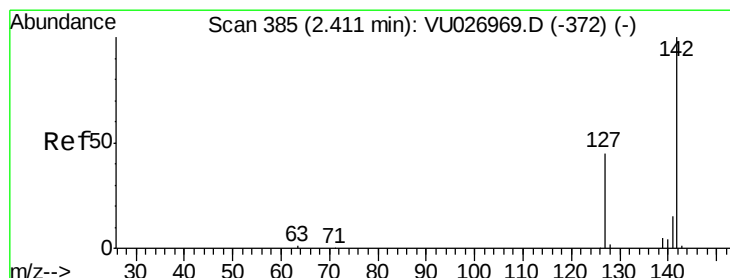
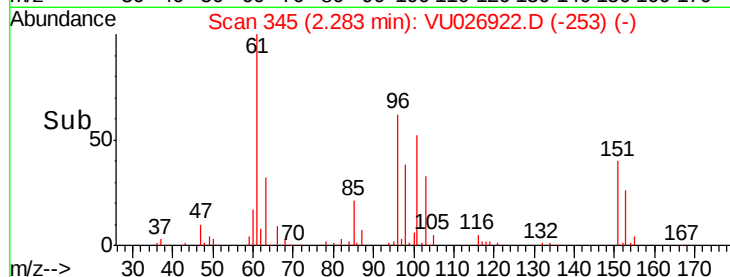
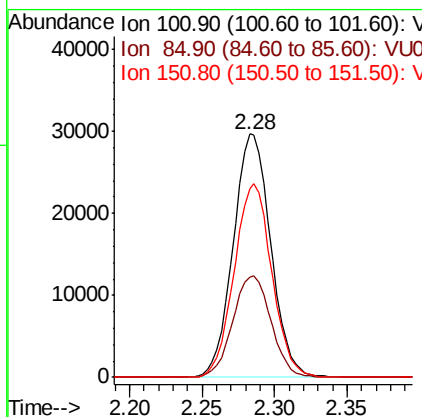
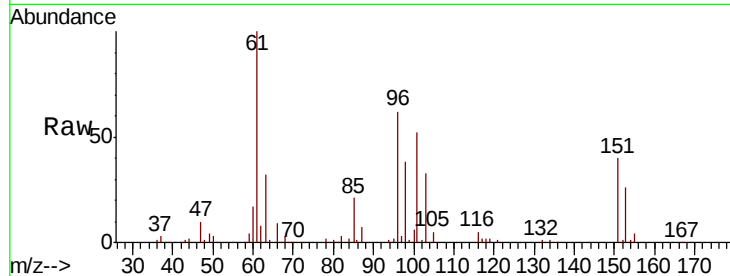
ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion:	101	Resp:	53325
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.6	52.0
151	79.6	62.7	94.1

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#10

Methyl Iodide

Concen: 31.439 ug/l

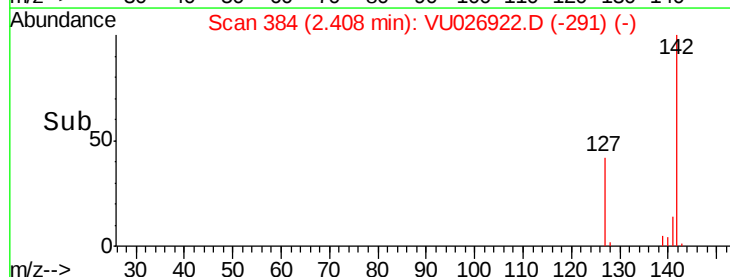
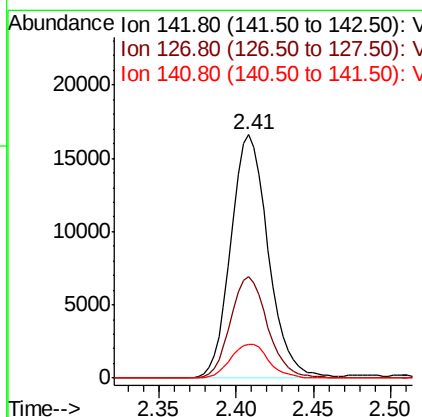
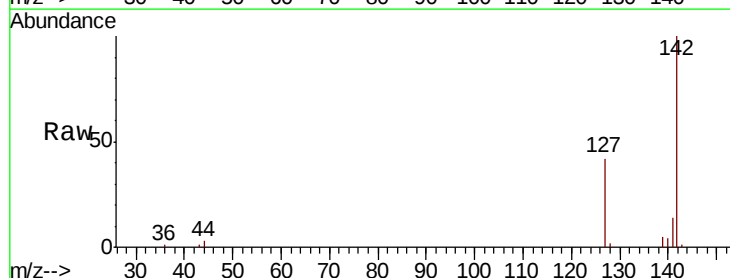
RT: 2.41 min Scan# 384

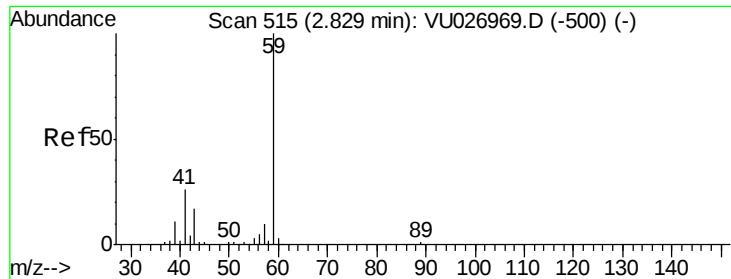
Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Tgt Ion:	142	Resp:	27976
Ion Ratio	Lower	Upper	
142	100		
127	41.2	34.1	51.1
141	14.1	11.2	16.8





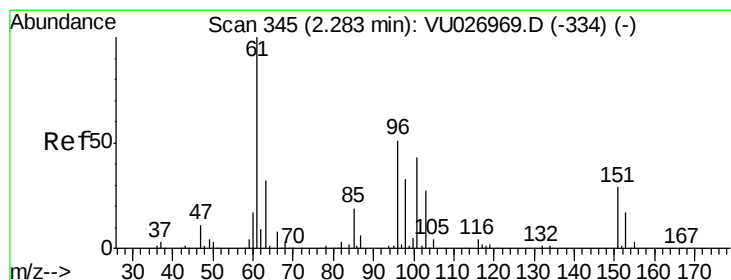
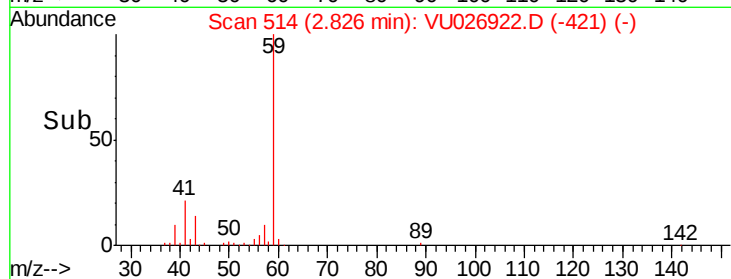
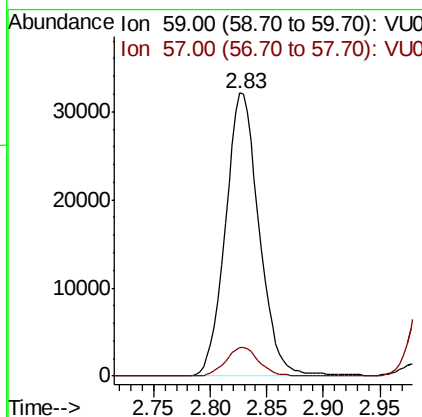
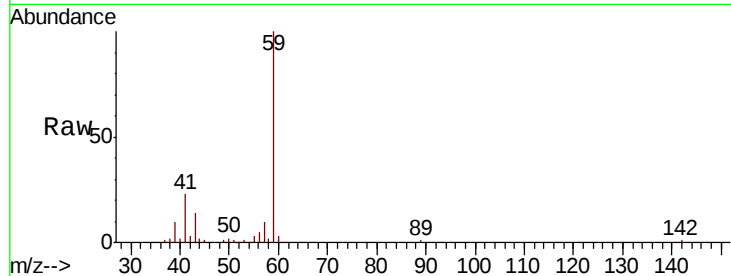
#11
Tert butyl alcohol
Concen: 194.112 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion	59.00	Resp	66480
Ion Ratio	100	Lower	Upper
59	100		
57	10.0	8.0	12.0

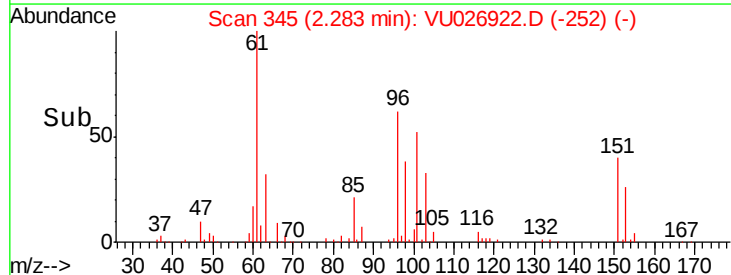
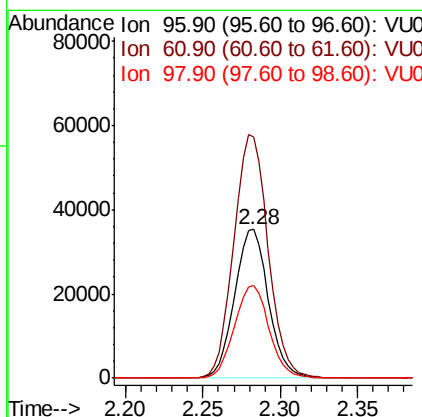
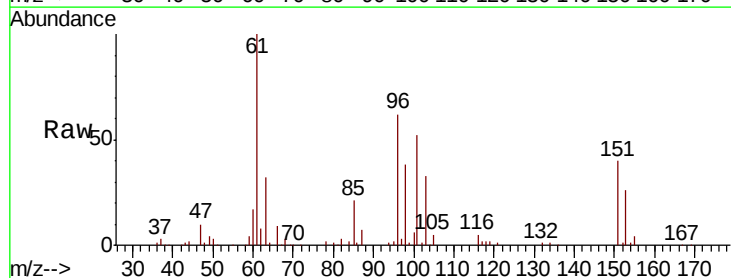
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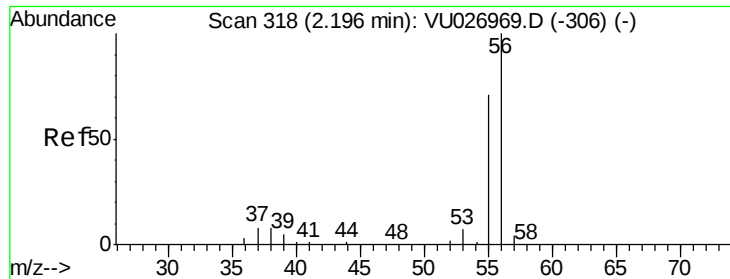
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.321 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion	96	Resp	53511
Ion Ratio	100	Lower	Upper
96	100		
61	162.5	133.0	199.6
98	62.3	51.3	76.9





#13

Acrolein

Concen: 234.516 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion: 56 Resp: 54126

Ion Ratio Lower Upper

56 100

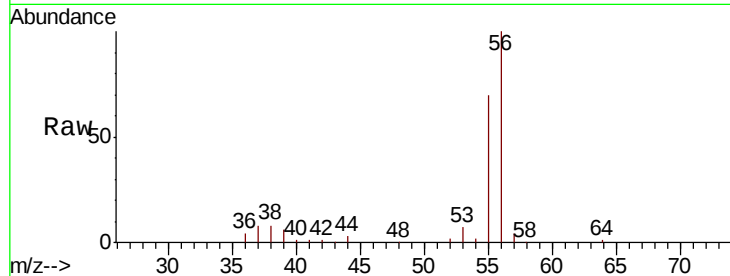
55 70.6 57.4 86.2

Manual Integrations

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MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

40000

30000

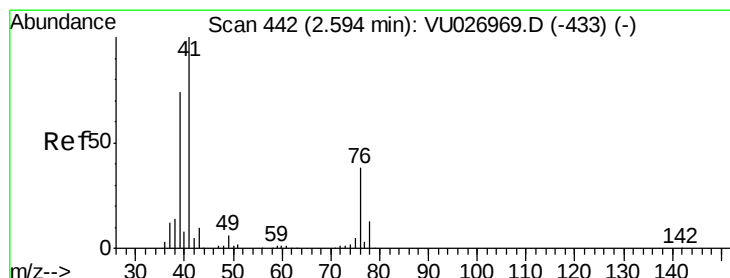
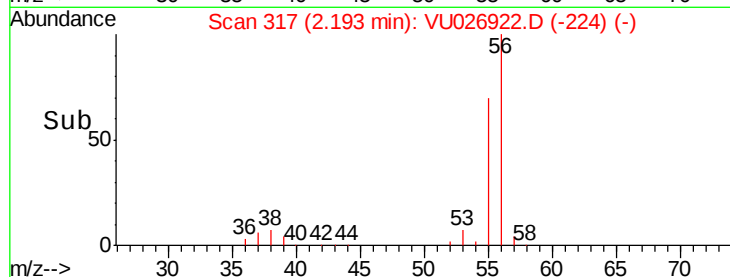
20000

10000

0

Time-->

2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 44.365 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

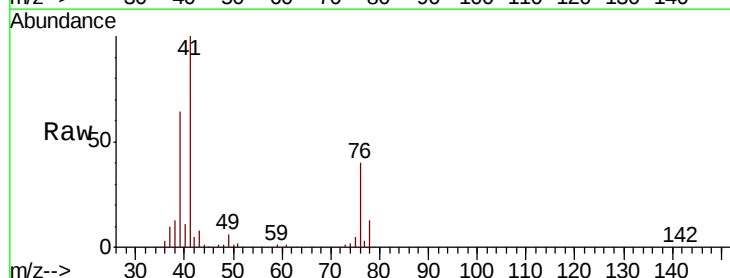
Tgt Ion: 41 Resp: 84969

Ion Ratio Lower Upper

41 100

39 65.0 56.9 85.3

76 37.7 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

60000

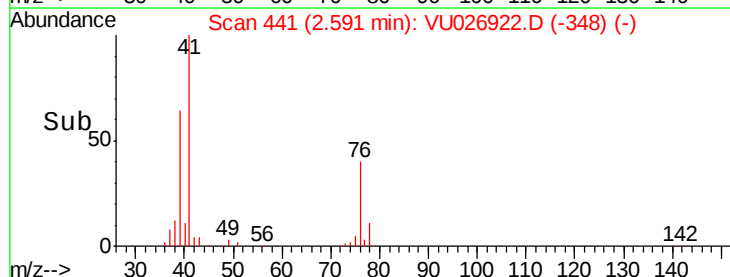
40000

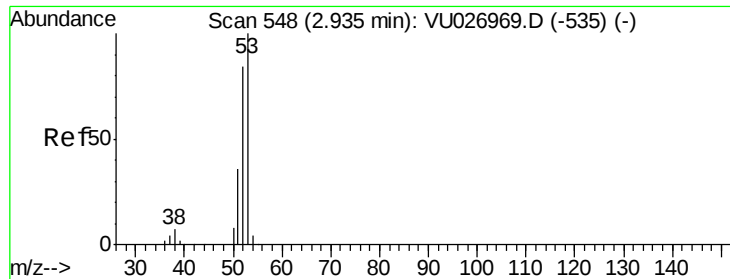
20000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 243.394 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

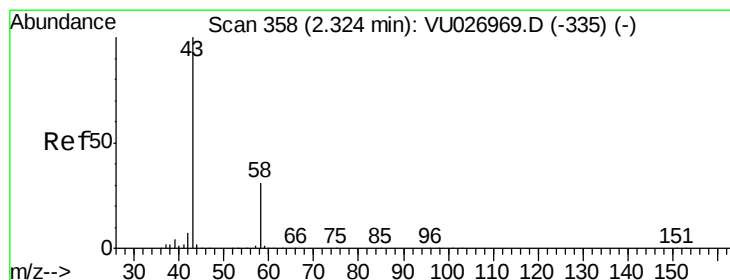
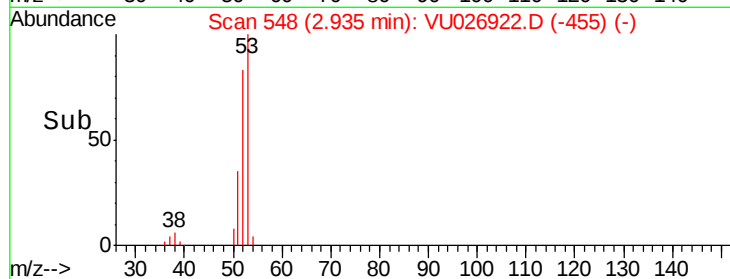
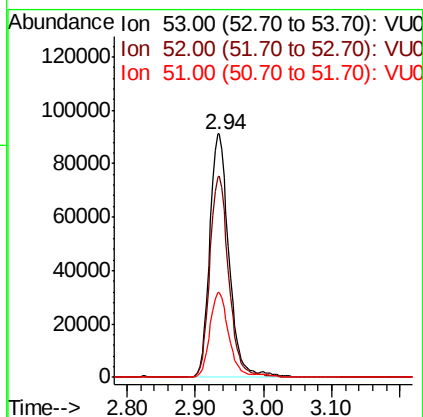
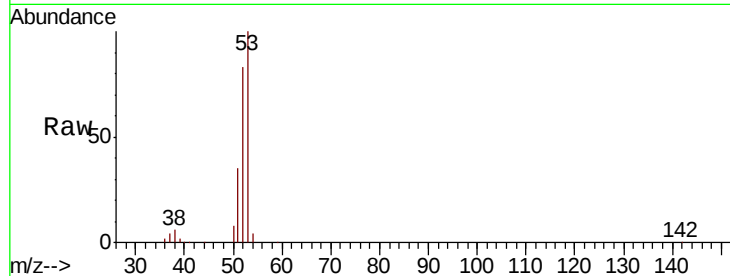
ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion:	53	Resp:	178768
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.8	98.8
51	35.1	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 194.418 ug/l

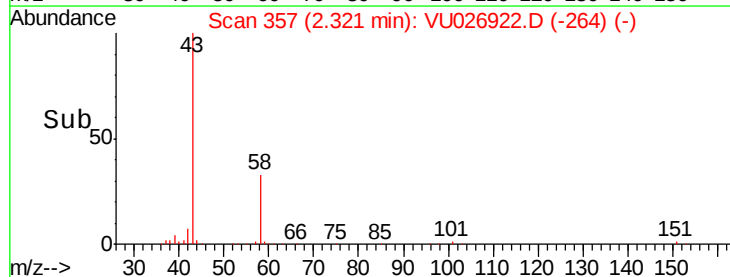
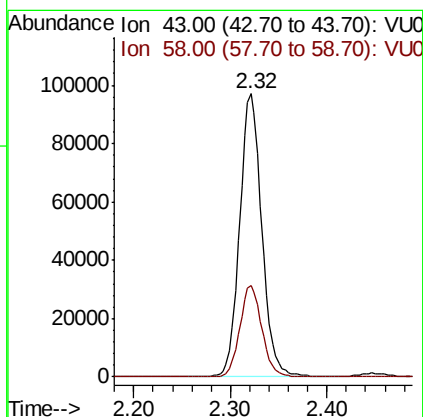
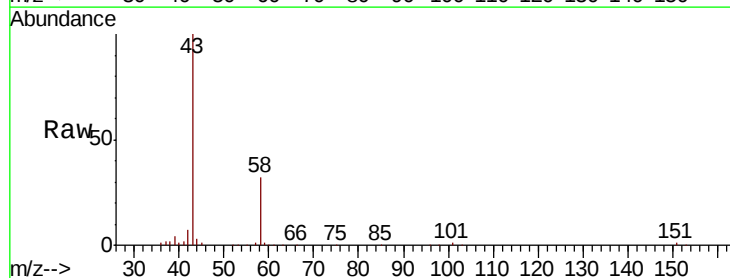
RT: 2.32 min Scan# 357

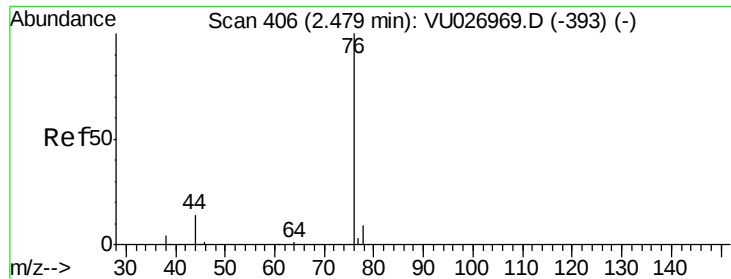
Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Tgt Ion:	43	Resp:	154661
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.1	37.7





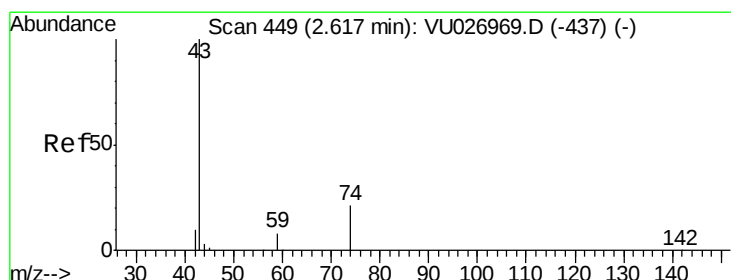
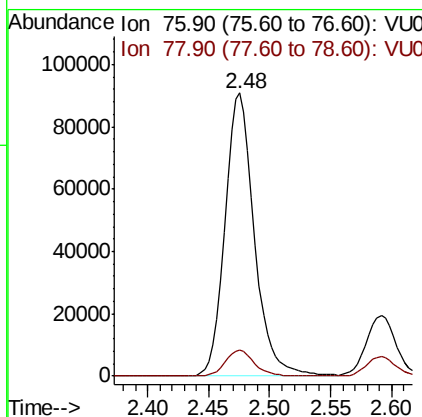
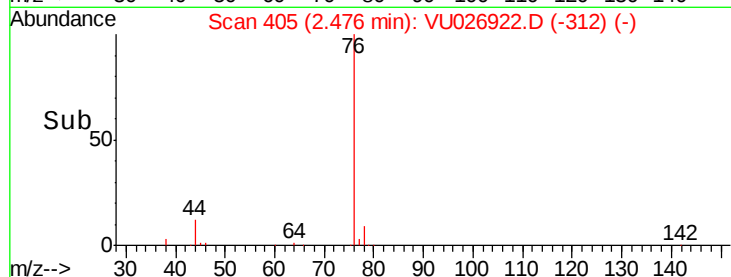
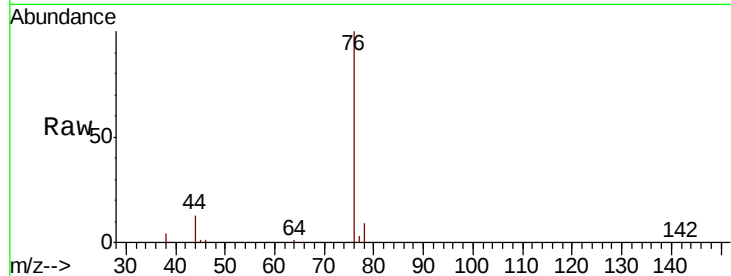
#17
Carbon Disulfide
Concen: 45.292 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion: 76 Resp: 153242
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6

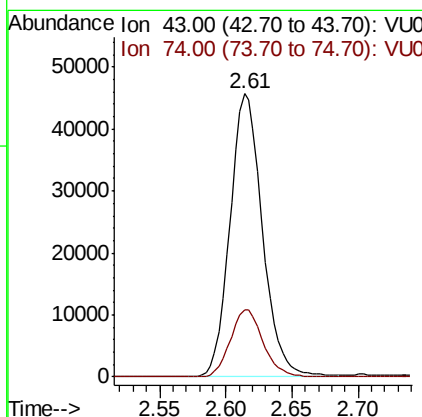
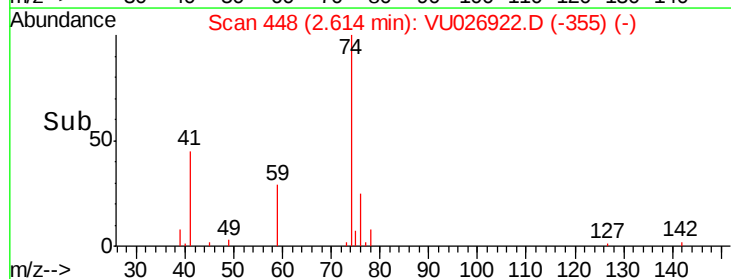
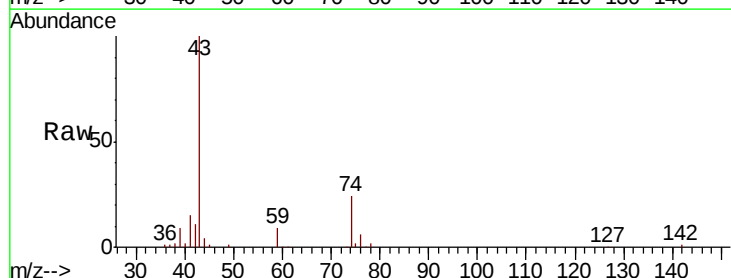
Manual Integrations
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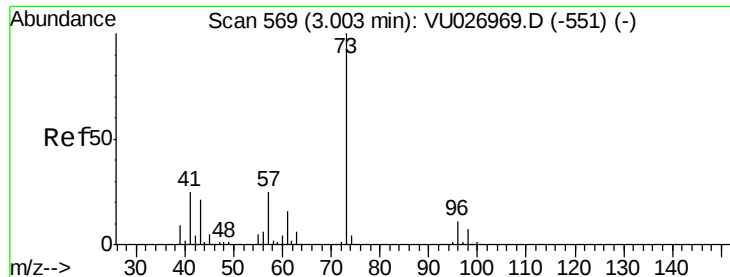
MMDadoda
9/21/2018 4:12:32 PM



#18
Methyl Acetate
Concen: 45.337 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion: 43 Resp: 77819
Ion Ratio Lower Upper
43 100
74 23.8 17.7 26.5





#19

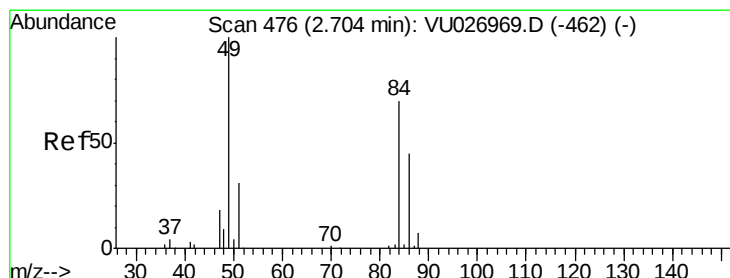
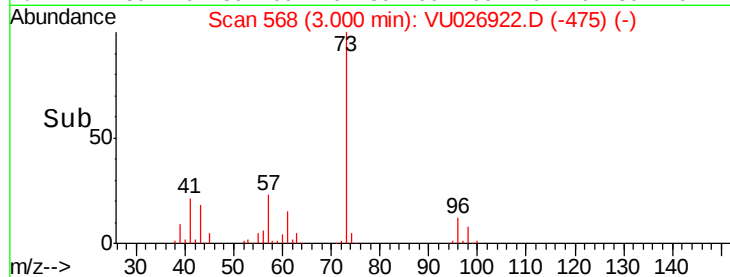
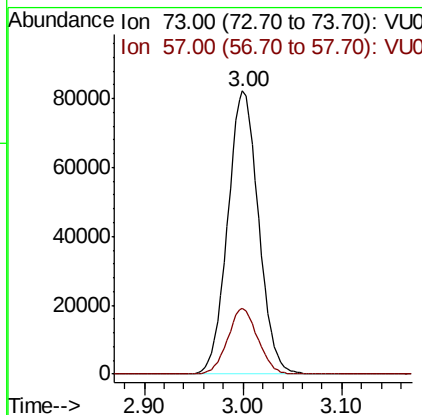
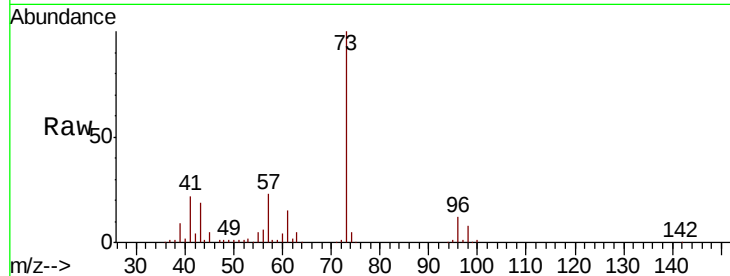
Methyl tert-butyl Ether
 Concen: 48.871 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	73	Resp	178936
Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.9	28.3

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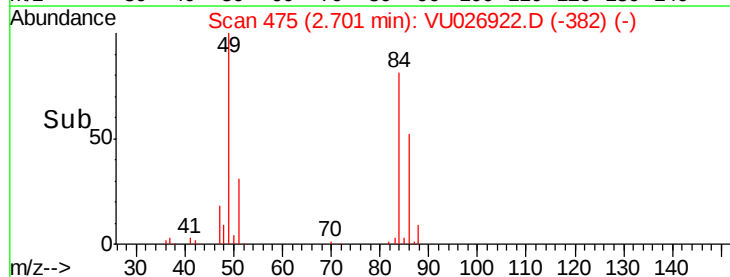
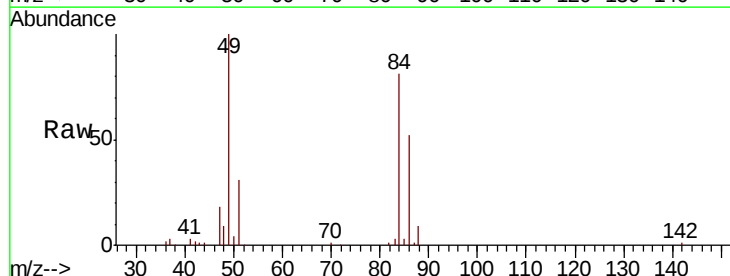
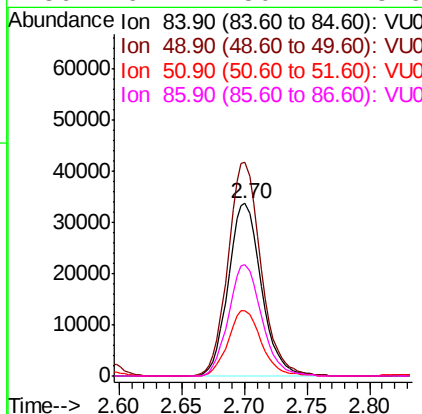
MMDadoda
 9/21/2018 4:12:32 PM

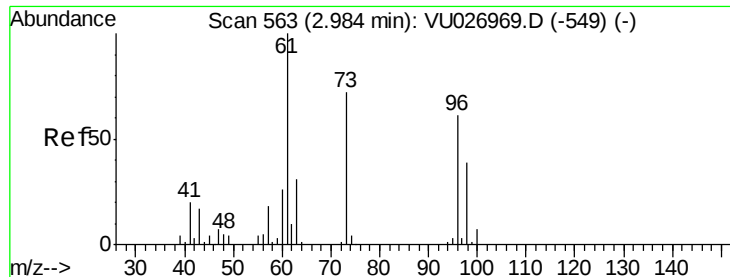


#20

Methylene Chloride
 Concen: 48.033 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	84	Resp	61979
Ion	Ratio	Lower	Upper
84	100		
49	123.9	100.6	151.0
51	38.0	30.9	46.3
86	64.7	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 49.301 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion: 96 Resp: 55229

Ion Ratio Lower Upper

96 100

61 139.5 117.7 176.5

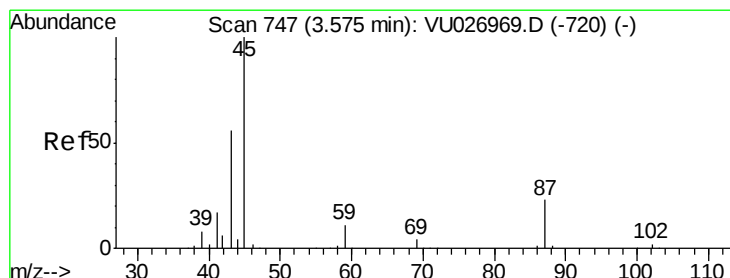
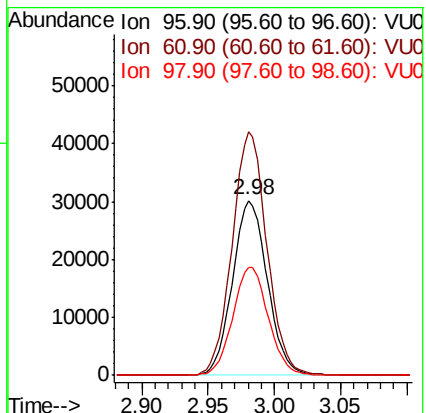
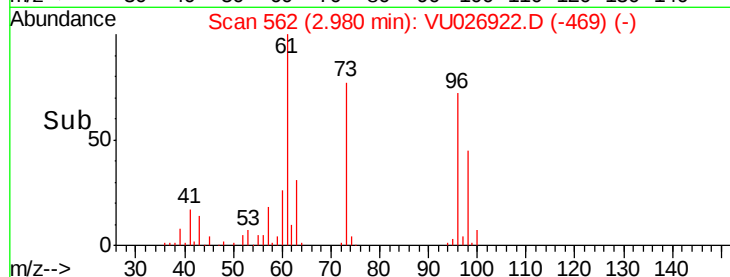
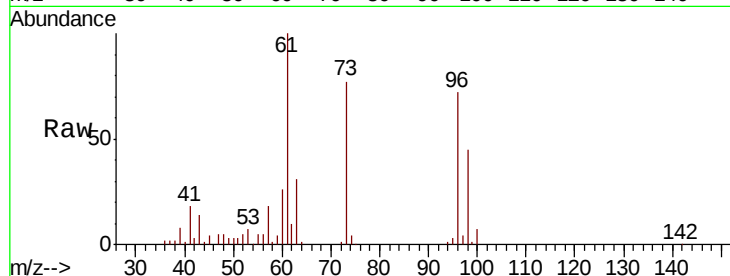
98 62.2 52.0 78.0

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#22

Diisopropyl ether

Concen: 47.238 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Tgt Ion: 45 Resp: 188821

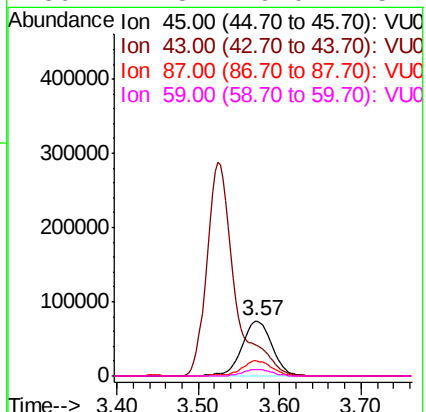
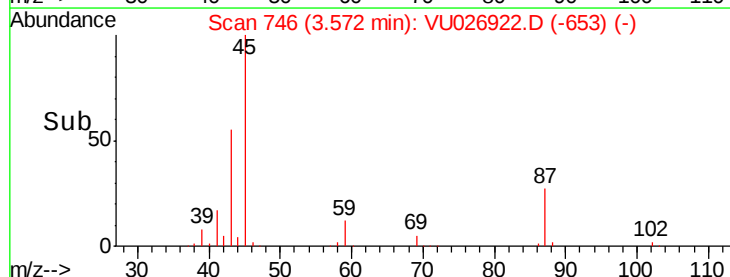
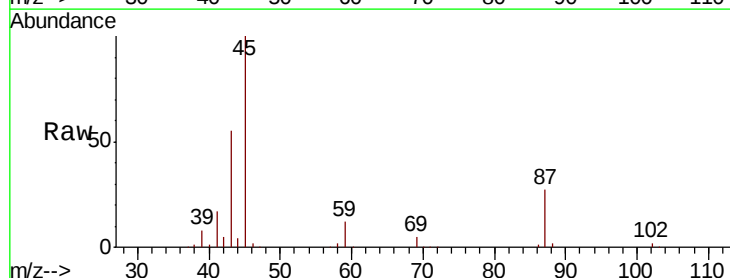
Ion Ratio Lower Upper

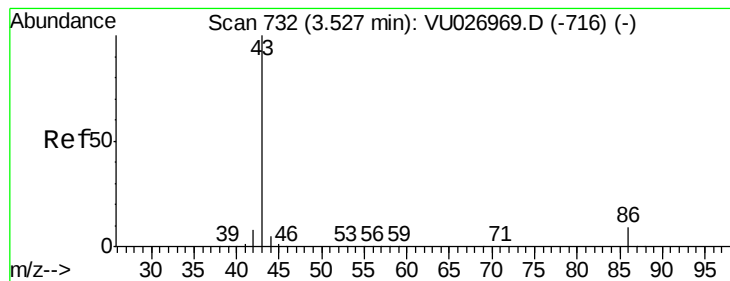
45 100

43 54.8 44.6 67.0

87 27.3 21.4 32.0

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 203.233 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Tot Ion: 43 Resp: 690070

Ion Ratio Lower Upper

43 100

86 10.6 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

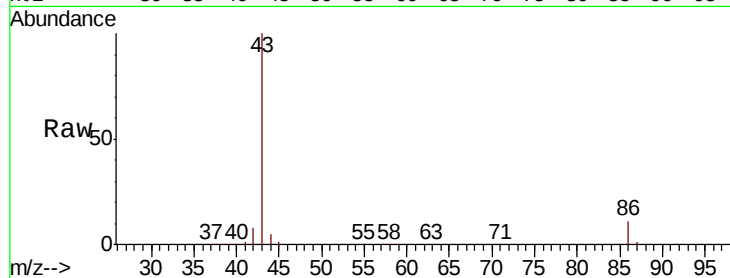
SA-MW131D-20180912MSD

Manual Integrations

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9/21/2018 4:12:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

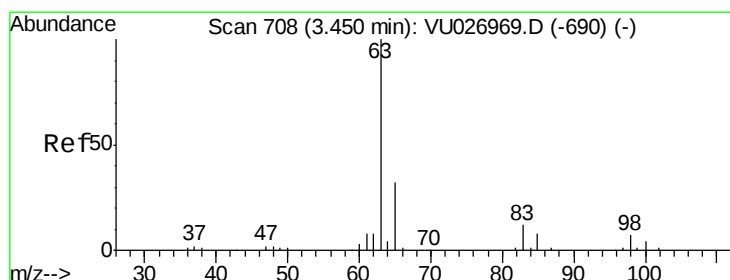
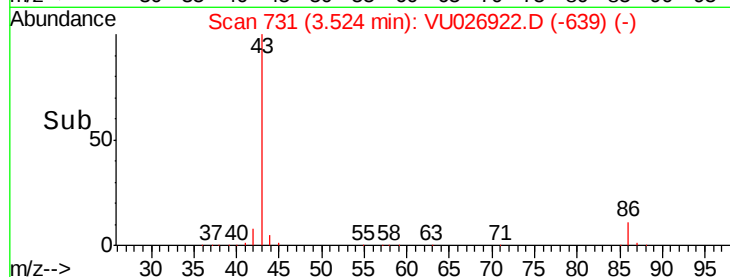
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 82.287 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

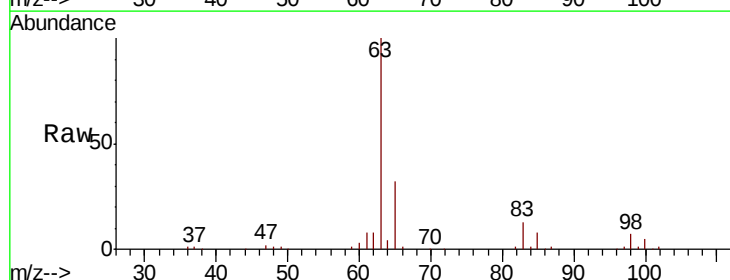
Tgt Ion: 63 Resp: 185545

Ion Ratio Lower Upper

63 100

98 7.3 3.1 9.4

100 4.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

100000

80000

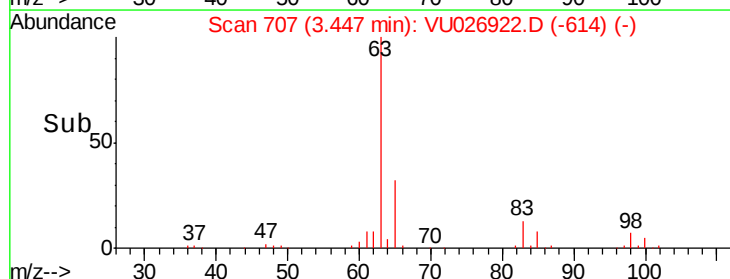
60000

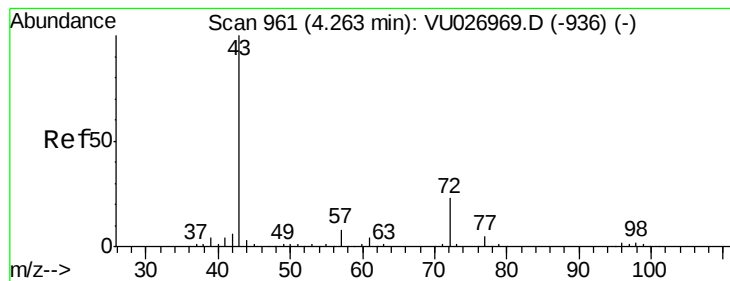
40000

20000

0

Time-->





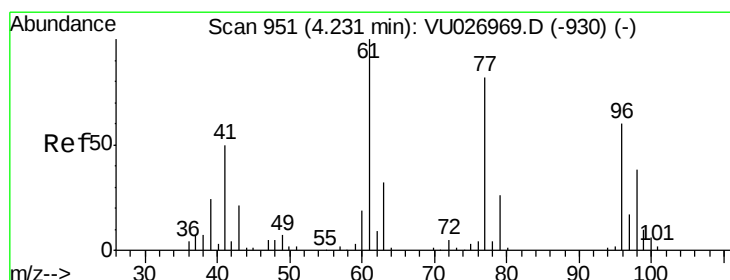
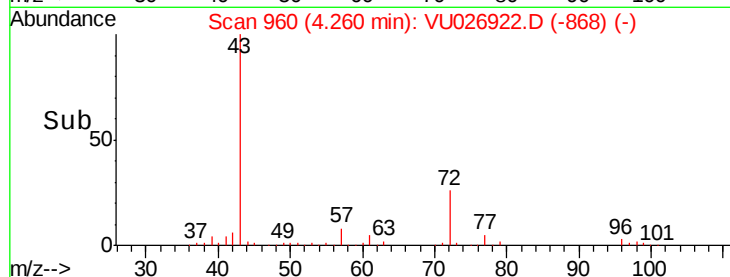
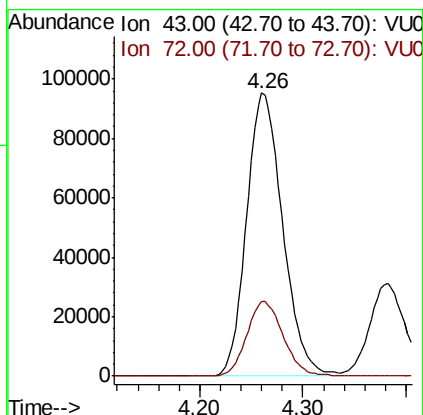
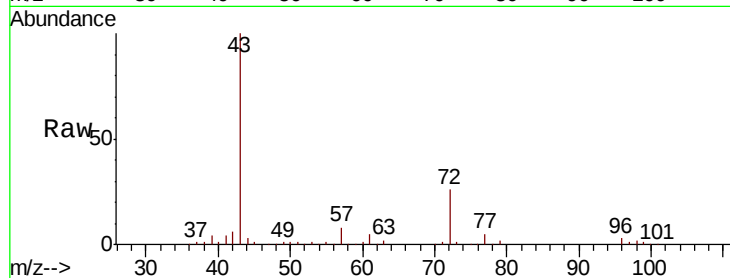
#25
2-Butanone
Concen: 216.530 ug/l
RT: 4.26 min Scan# 960
Delta R.T. -0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion: 43 Resp: 232029
Ion Ratio Lower Upper
43 100
72 26.3 20.3 30.5

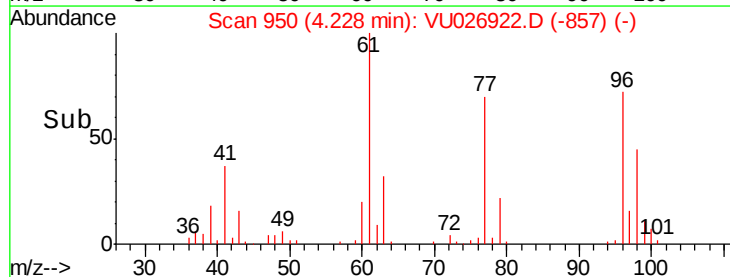
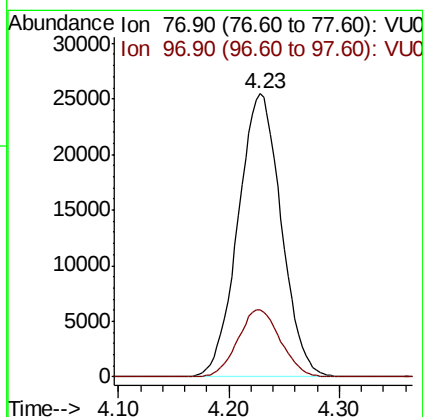
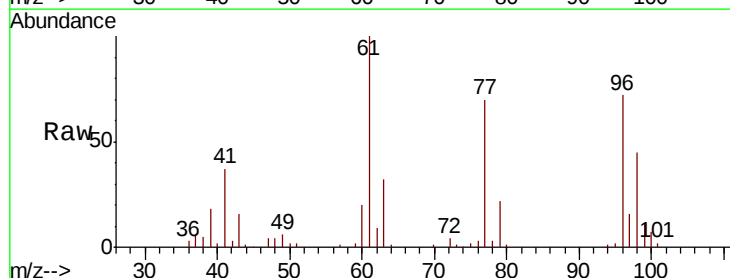
Manual Integrations
APPROVED

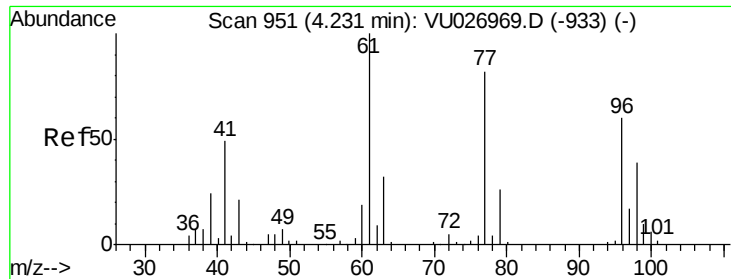
MMDadoda
9/21/2018 4:12:32 PM



#26
2,2-Dichloropropane
Concen: 37.259 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion: 77 Resp: 69057
Ion Ratio Lower Upper
77 100
97 23.5 11.6 34.8





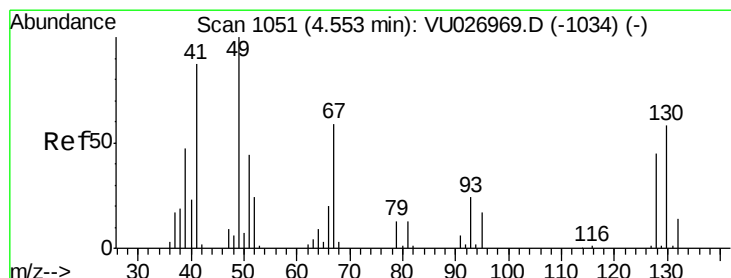
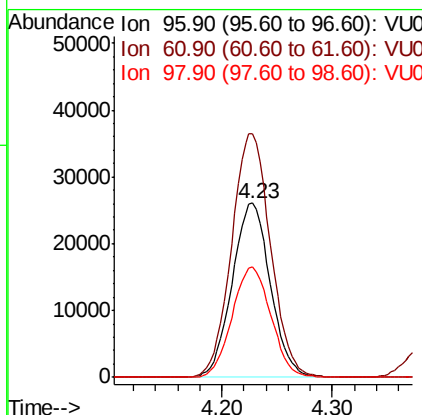
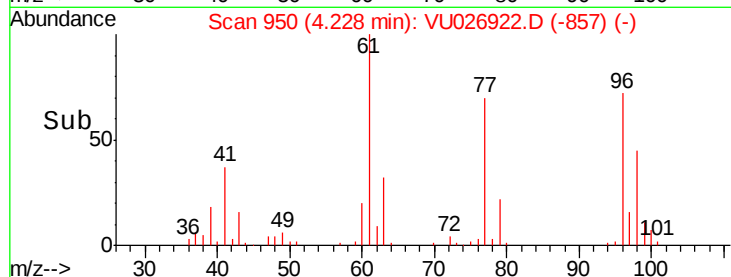
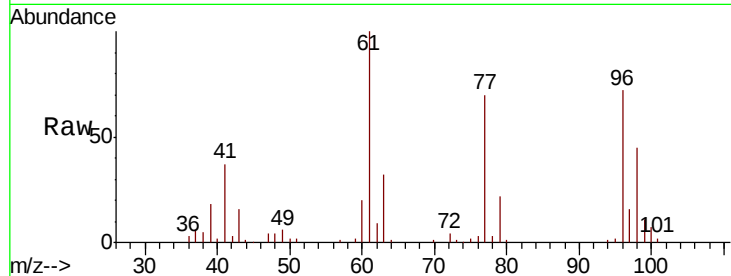
#27
 cis-1,2-Dichloroethene
 Concen: 48.411 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	62504		
61	142.6		0.0	301.8
98	64.3		0.0	127.2

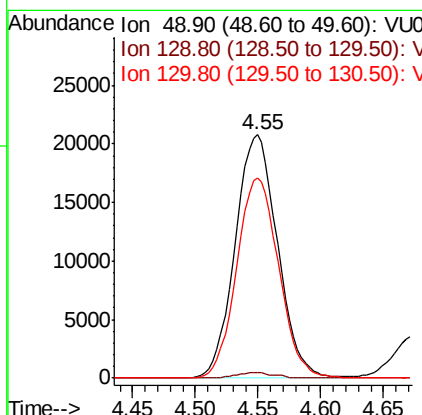
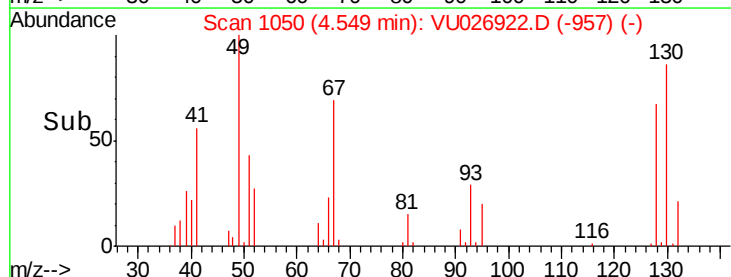
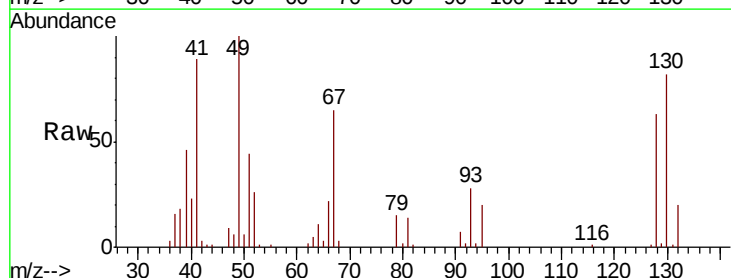
Manual Integrations
 APPROVED

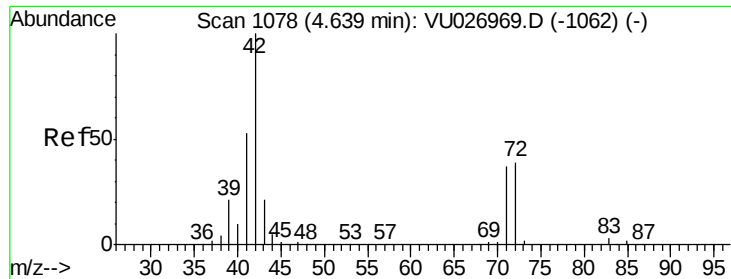
MMDadoda
 9/21/2018 4:12:32 PM



#28
 Bromochloromethane
 Concen: 45.225 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48763		
129	1.9		0.0	3.8
130	81.6		59.8	89.6





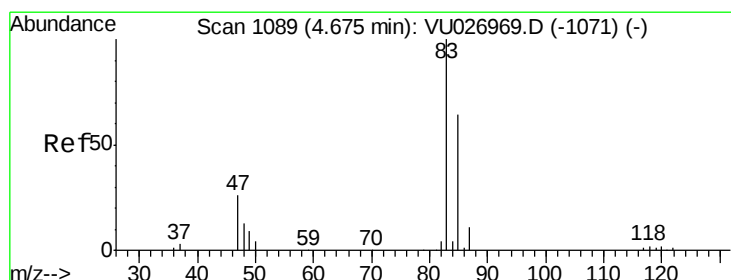
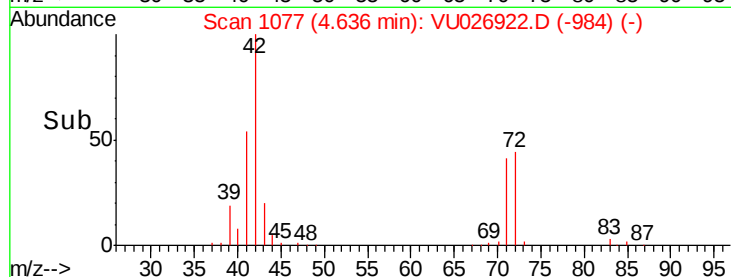
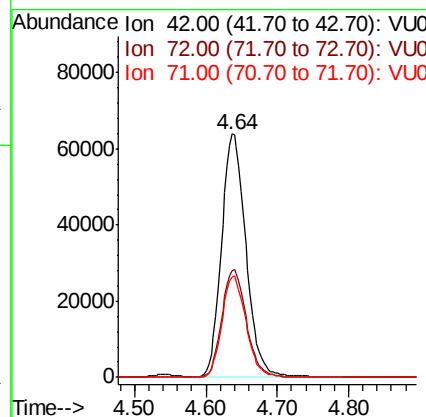
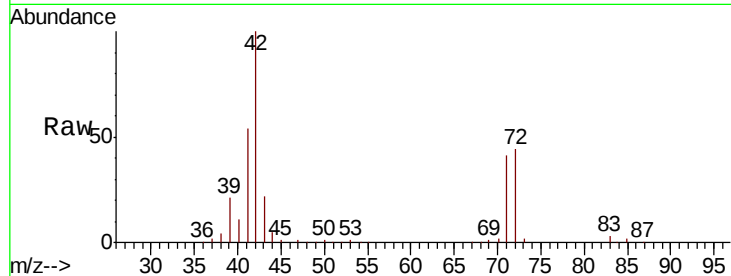
#29
Tetrahydrofuran
Concen: 233.712 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.4	51.6
71	41.2	32.4	48.6

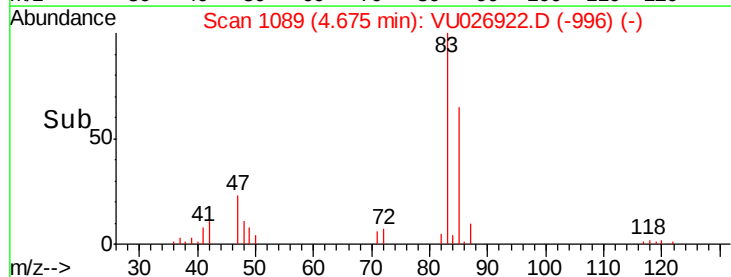
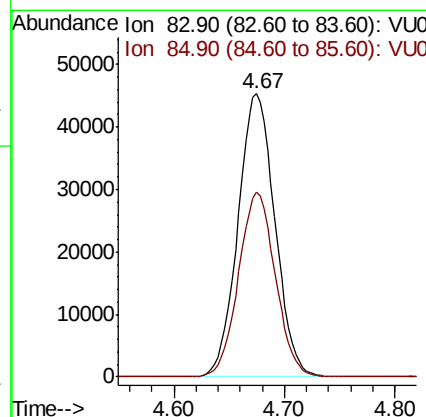
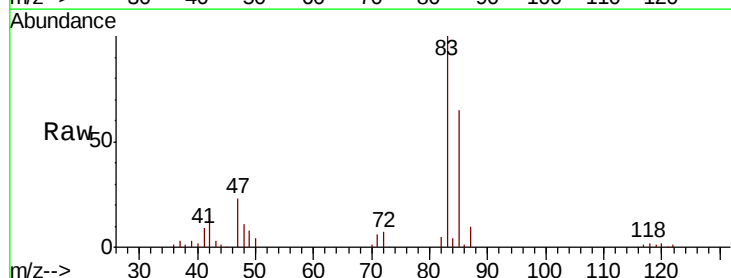
Manual Integrations
APPROVED

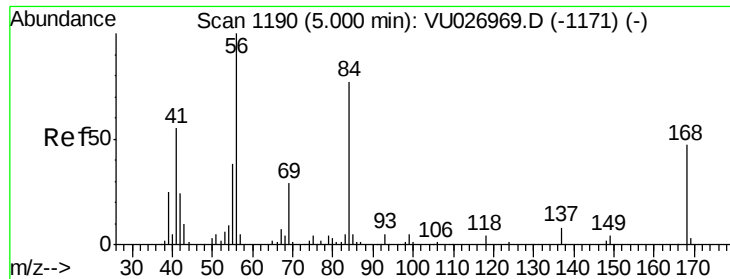
MMDadoda
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#30
Chloroform
Concen: 47.408 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.3	79.9





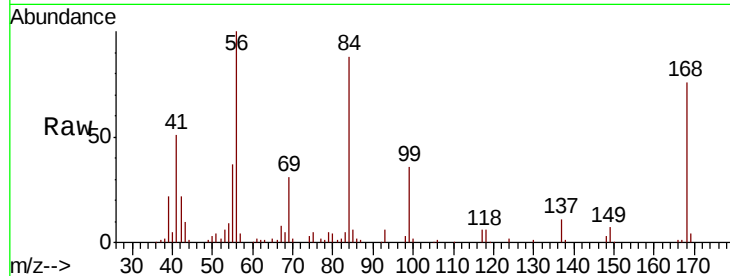
#31
Cyclohexane
Concen: 45.684 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

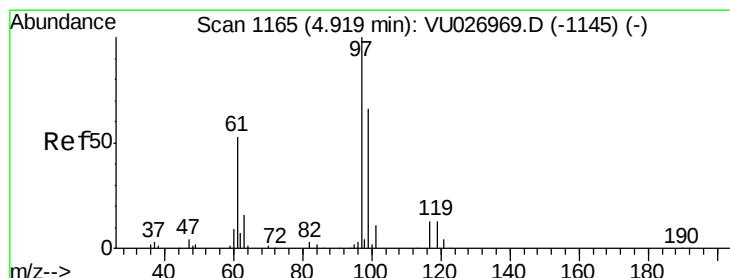
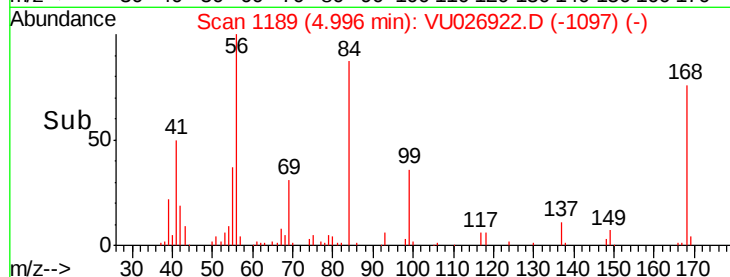
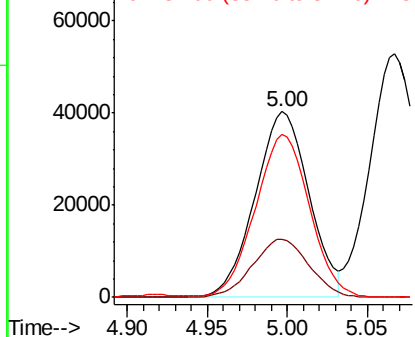
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.9	37.3
84	87.3	66.6	100.0

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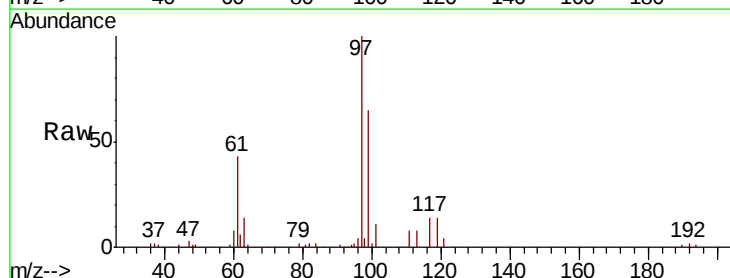


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

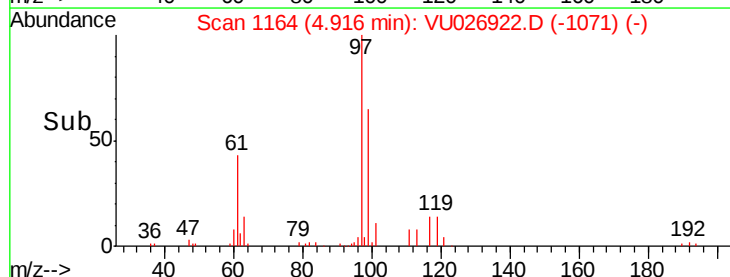
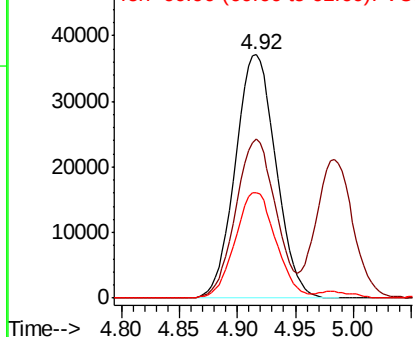


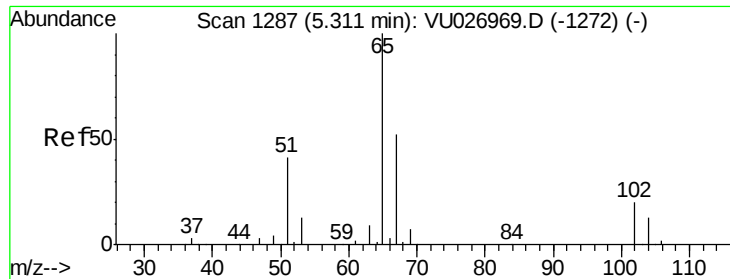
#32
1,1,1-Trichloroethane
Concen: 49.185 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.2
61	43.5	36.8	55.2



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





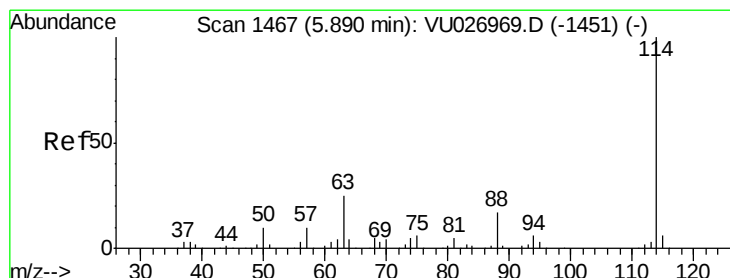
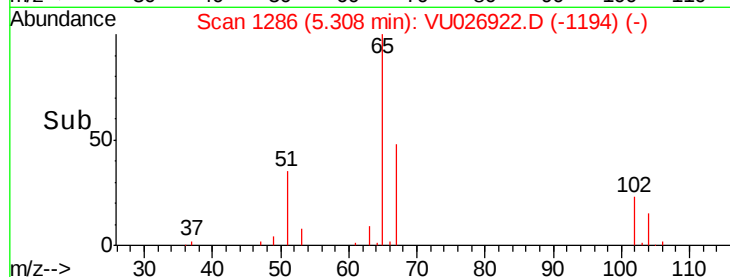
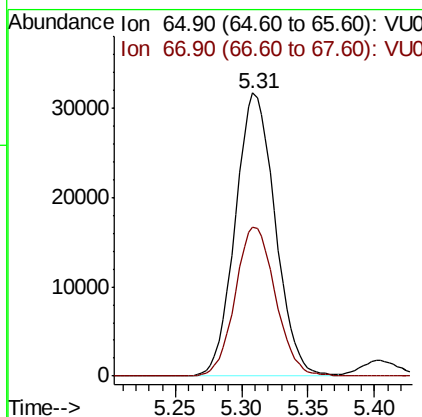
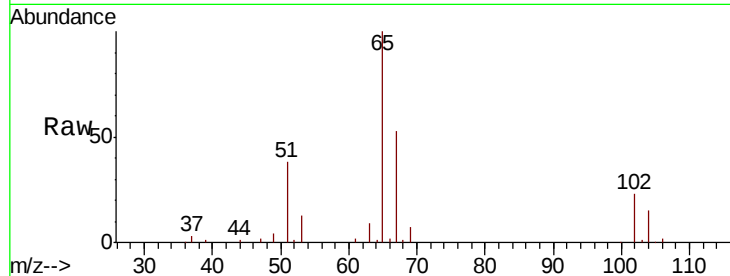
#33
 1,2-Dichloroethane-d4
 Concen: 47.301 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.4

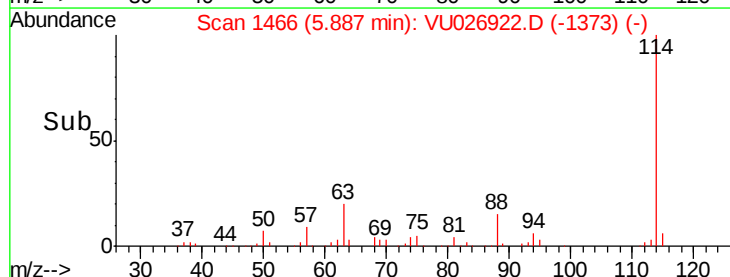
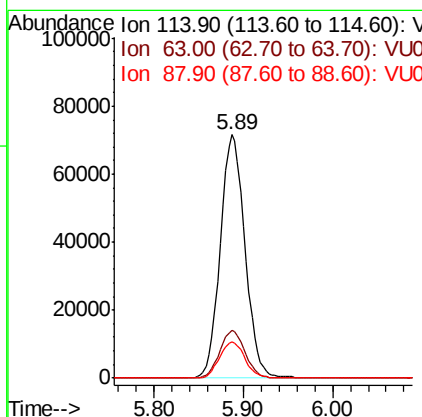
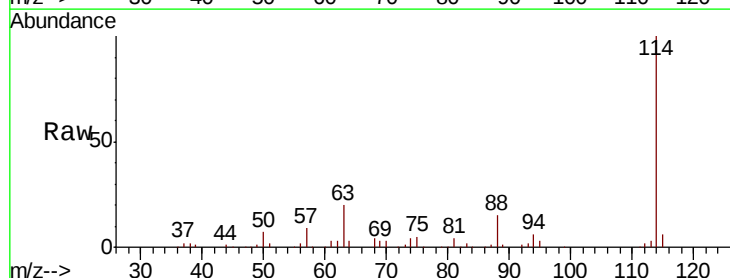
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.4
88	14.9	0.0	30.8





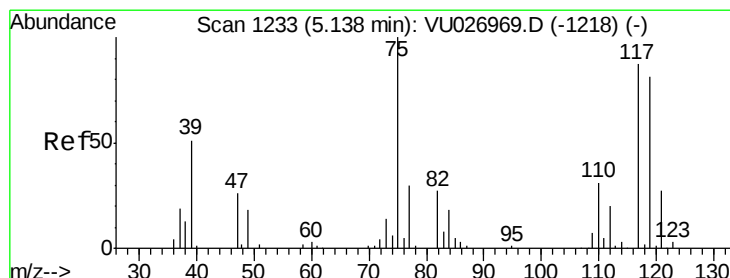
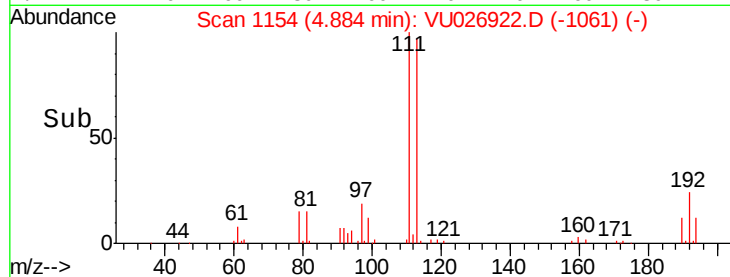
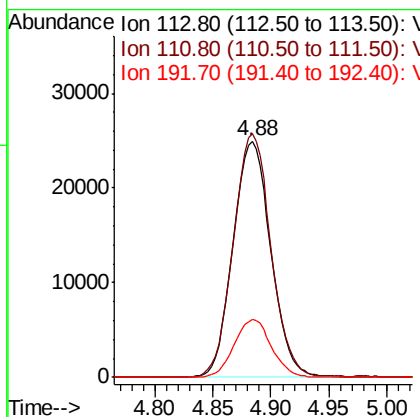
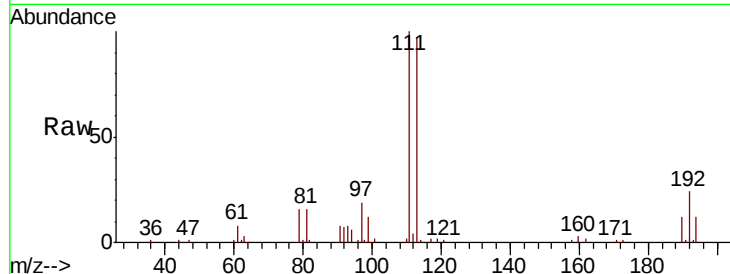
#35
 Dibromofluoromethane
 Concen: 50.374 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.1	124.7
192	24.0	17.4	26.2

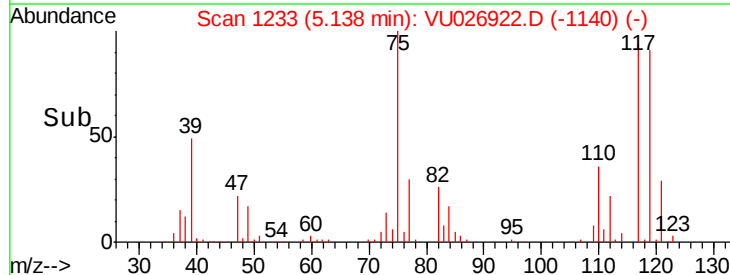
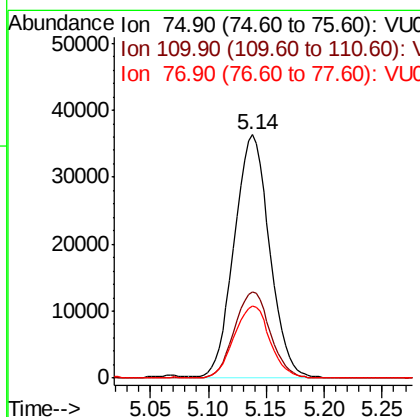
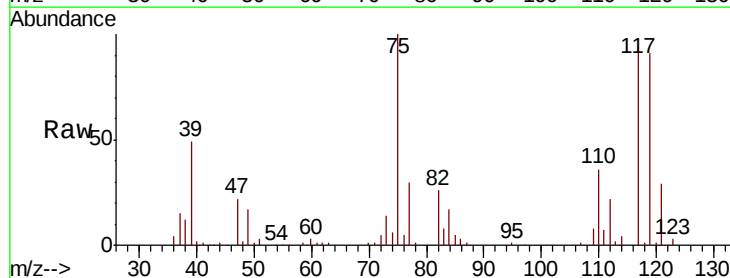
Manual Integrations
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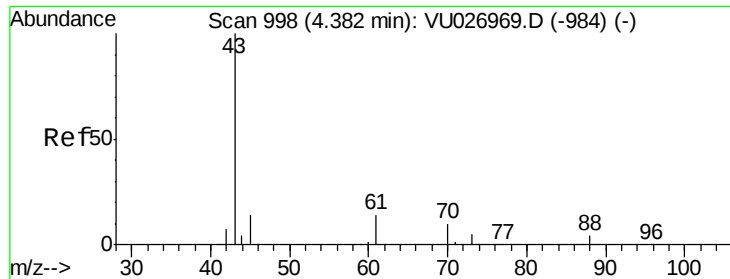
MMDadoda
 9/21/2018 4:12:32 PM



#36
 1,1-Dichloropropene
 Concen: 50.206 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.3	51.9
77	30.0	24.9	37.3





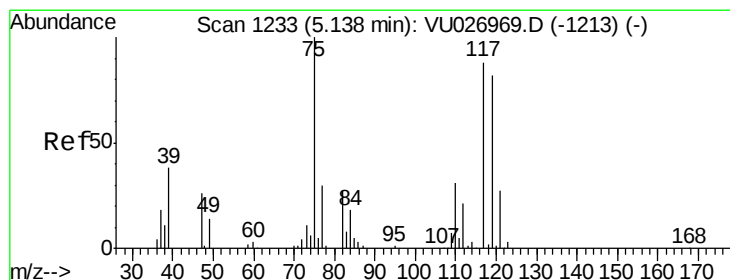
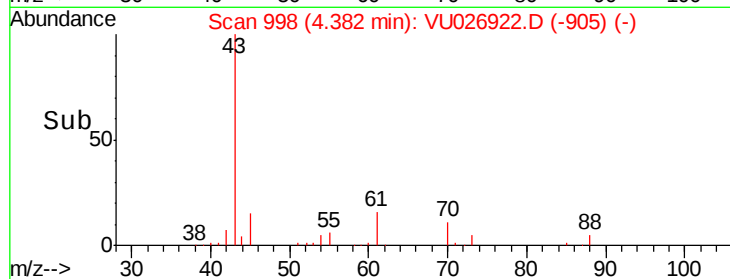
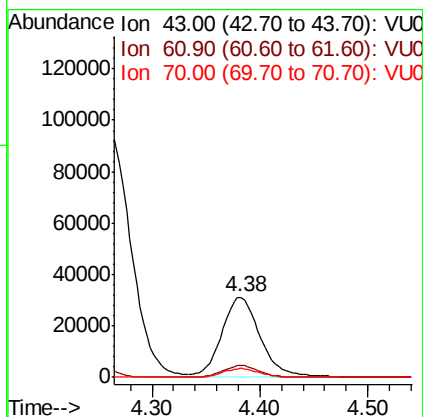
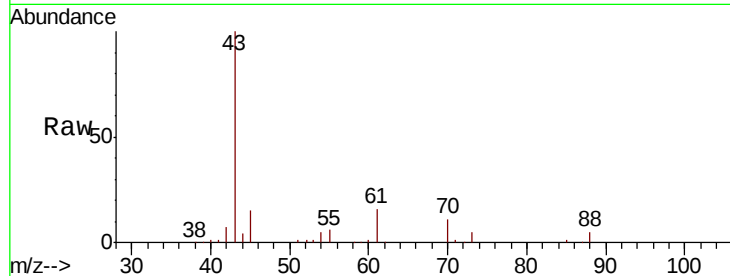
#37
Ethyl Acetate
Concen: 40.975 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	10.6	7.8	11.8

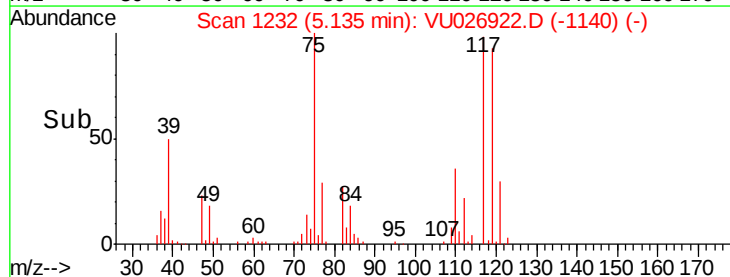
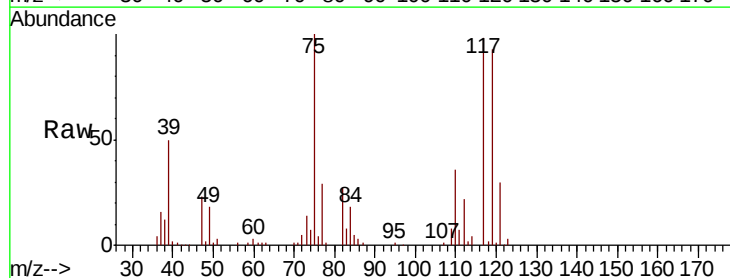
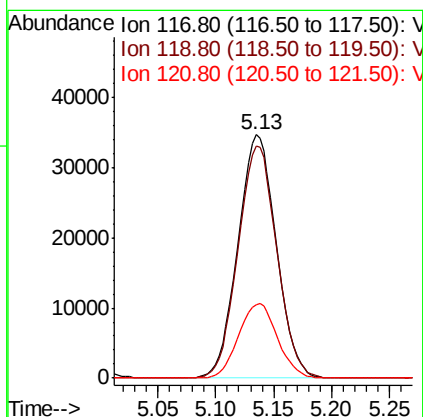
Manual Integrations
APPROVED

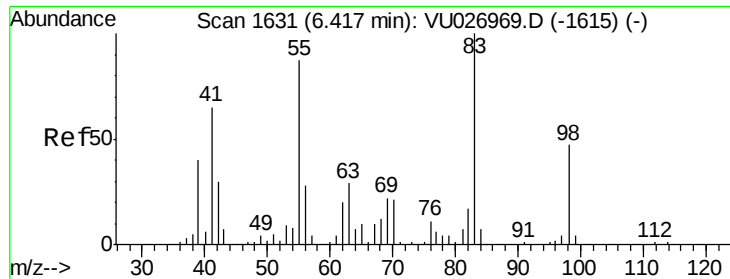
MMDadoda
9/21/2018 4:12:32 PM



#38
Carbon Tetrachloride
Concen: 49.010 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.8	116.8
121	30.3	25.0	37.4





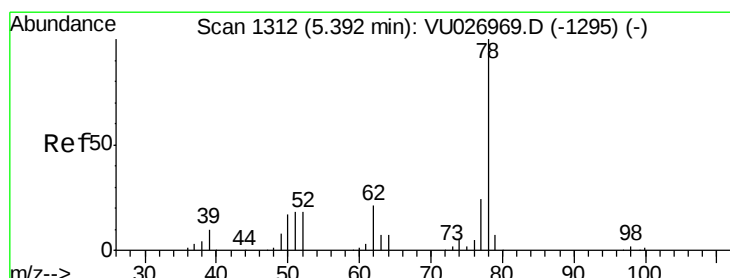
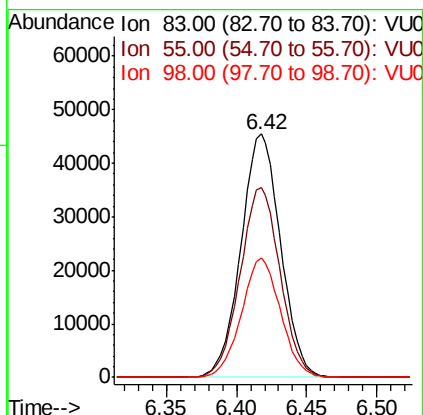
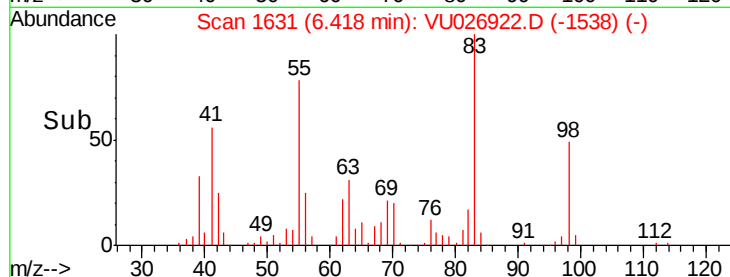
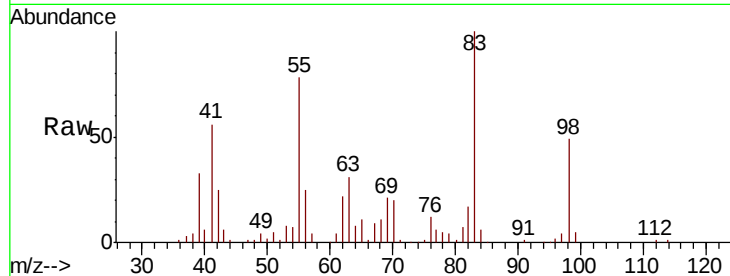
#39
Methvlcvclohexane
Concen: 48.809 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	63.8	95.6
98	48.9	37.2	55.8

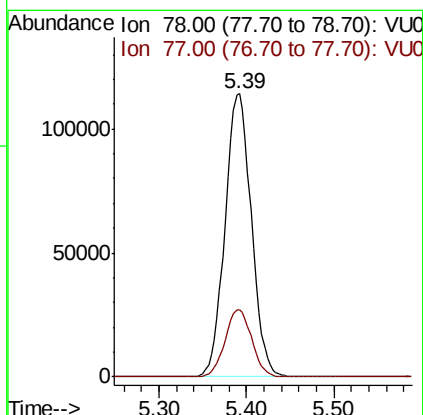
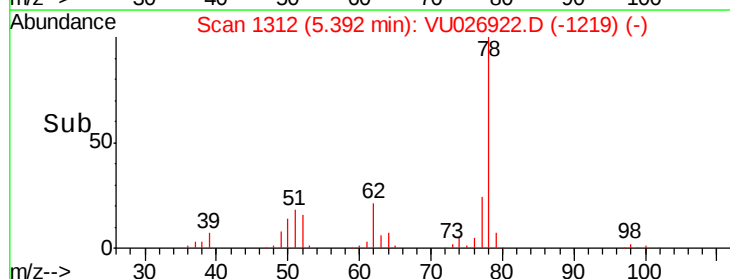
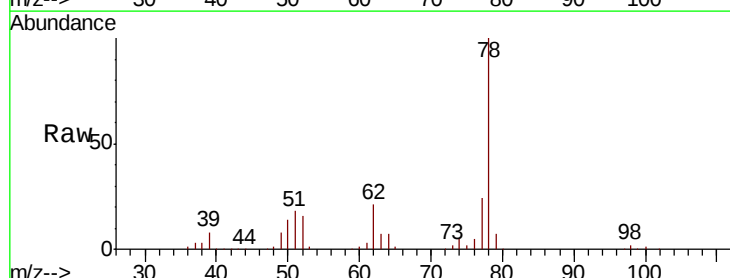
Manual Integrations
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#40
Benzene
Concen: 49.935 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.5	29.3





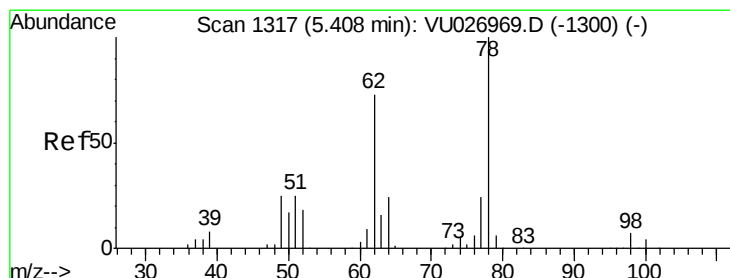
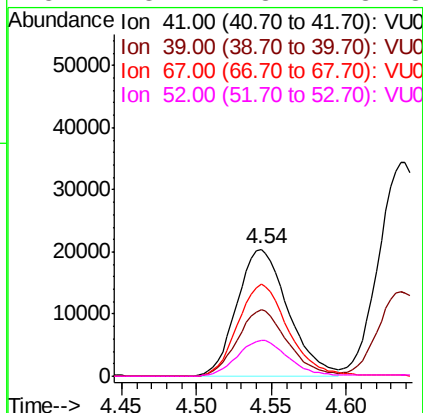
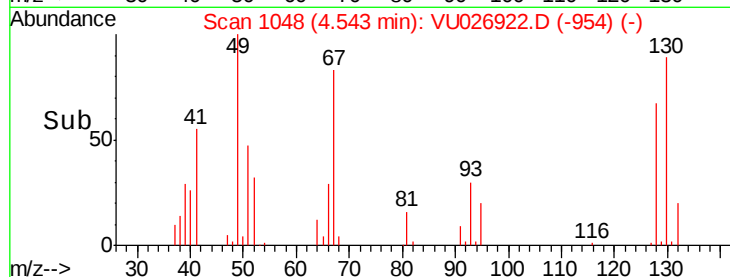
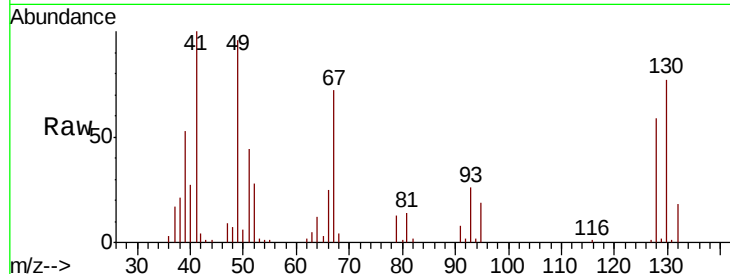
#41
Methacrylonitrile
Concen: 46.631 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.0	42.9	64.3	
67	71.7	56.6	84.8	
52	28.4	23.2	34.8	

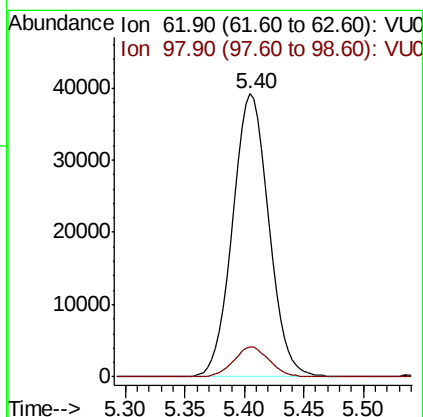
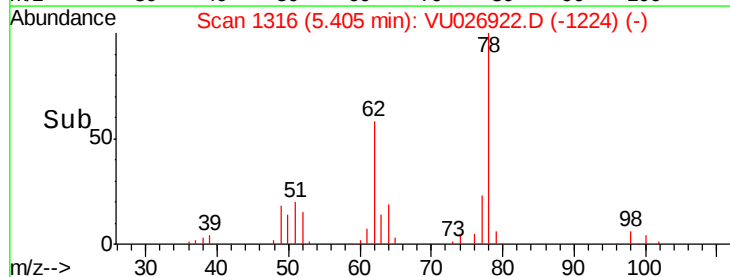
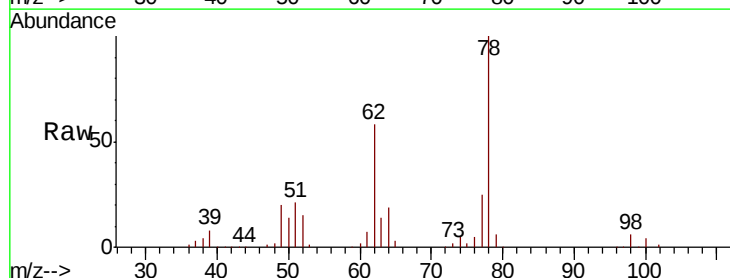
Manual Integrations
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9/21/2018 4:12:32 PM



#42
1,2-Dichloroethane
Concen: 48.413 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	17.8	





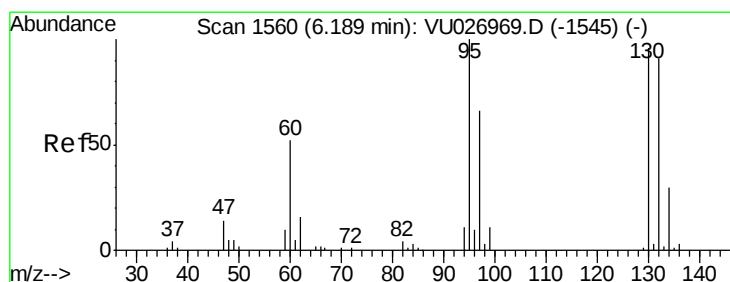
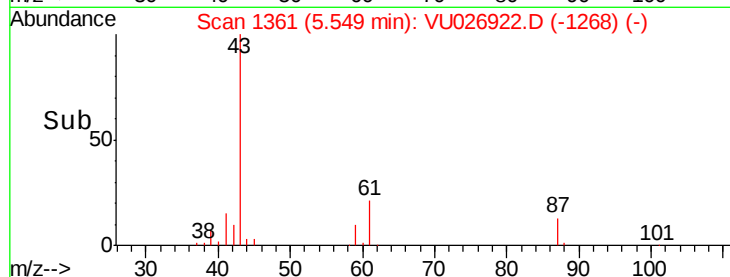
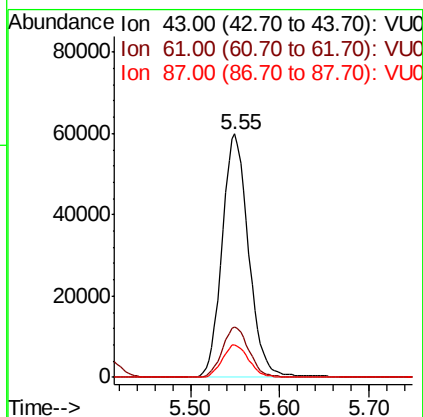
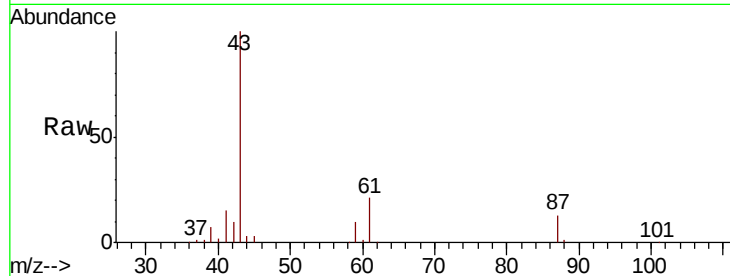
#43
Isopropyl Acetate
Concen: 43.686 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.0	24.0
87	13.2	10.1	15.1

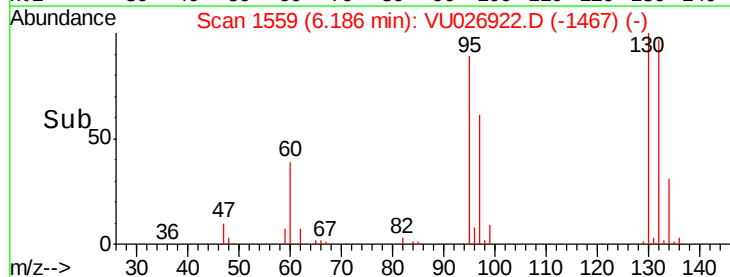
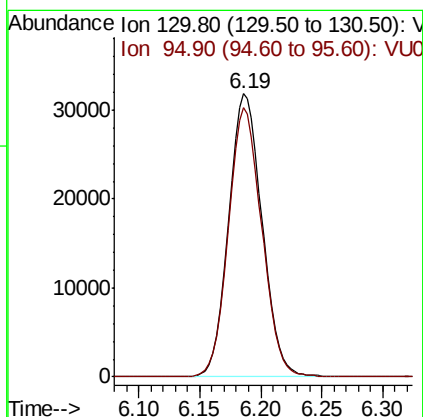
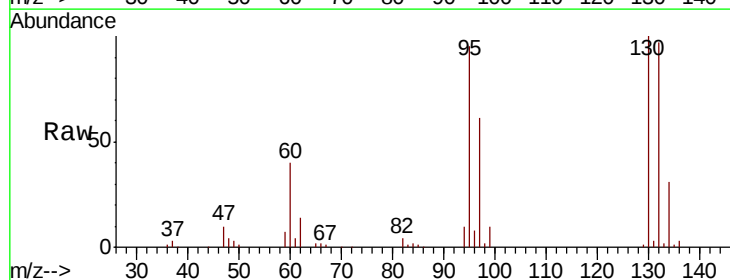
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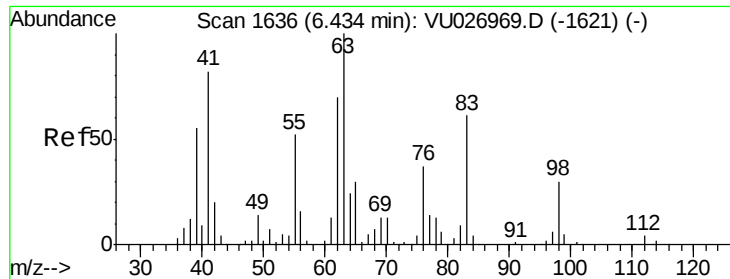
MMDadoda
9/21/2018 4:12:32 PM



#44
Trichloroethene
Concen: 51.180 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	199.4





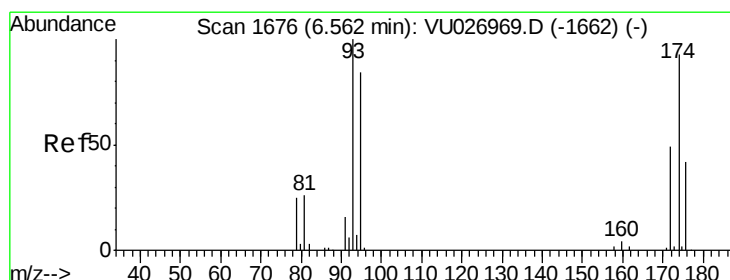
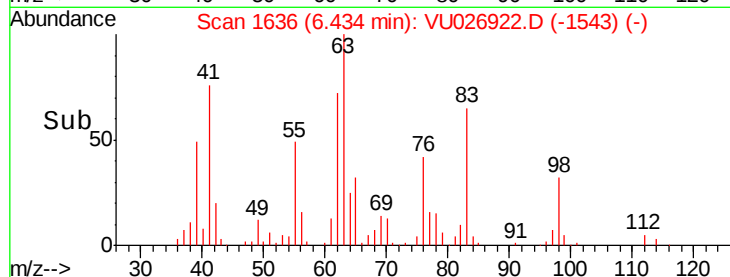
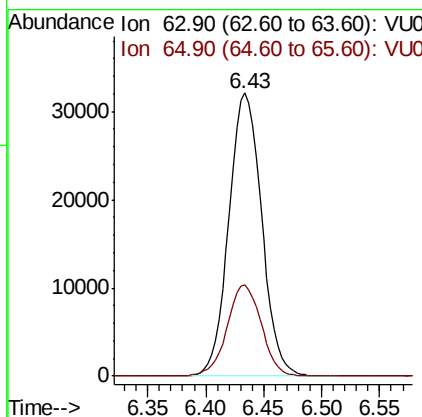
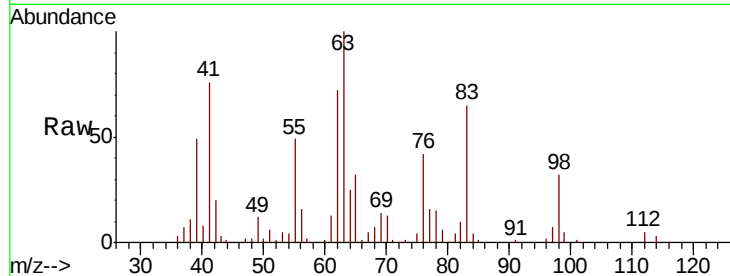
#45
 1,2-Dichloropropane
 Concen: 48.448 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion: 63 Resp: 63127
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.4

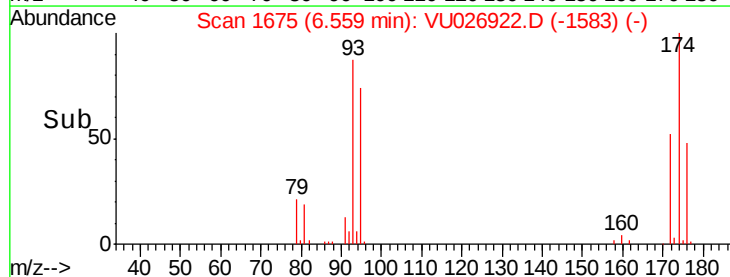
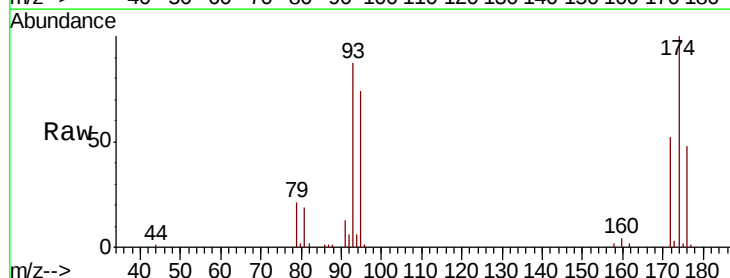
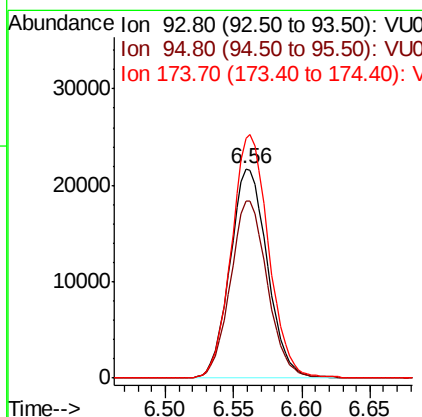
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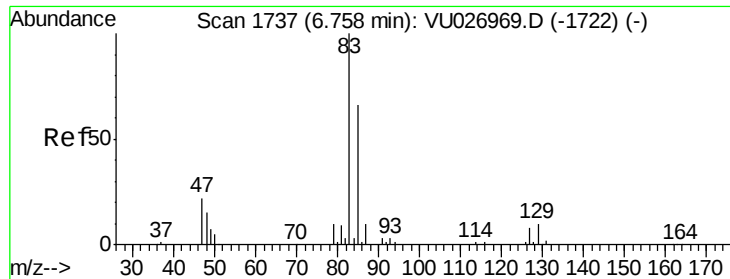
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 9/21/2018 4:12:32 PM



#46
 Dibromomethane
 Concen: 49.090 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion: 93 Resp: 41277
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.4 98.2
 174 115.7 81.6 122.4





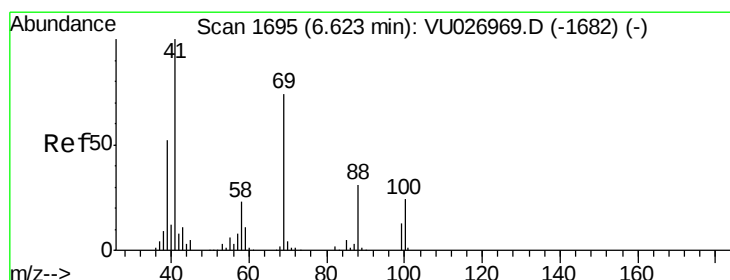
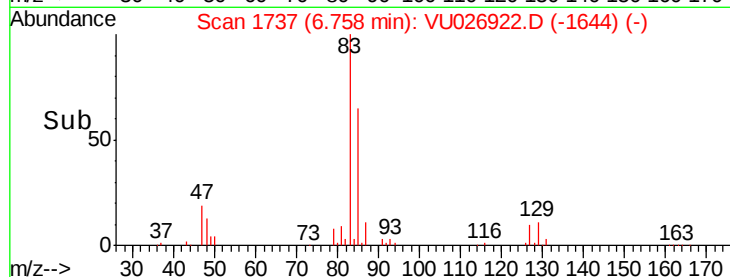
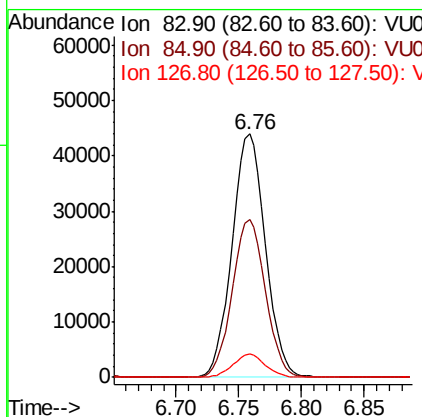
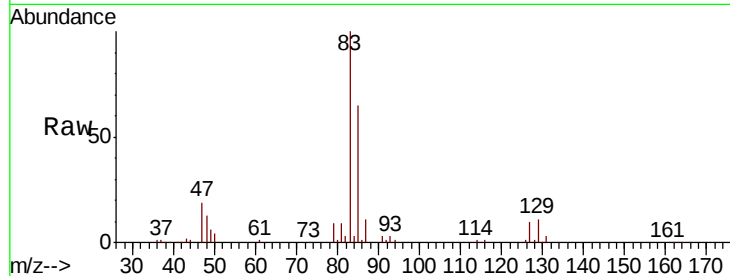
#47
Bromodichloromethane
Concen: 49.078 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion	83	Resp	81260
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	9.5	6.9	10.3

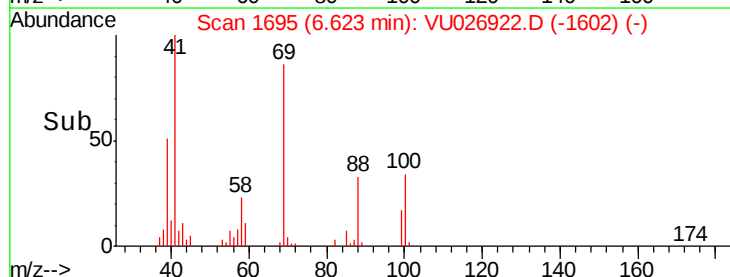
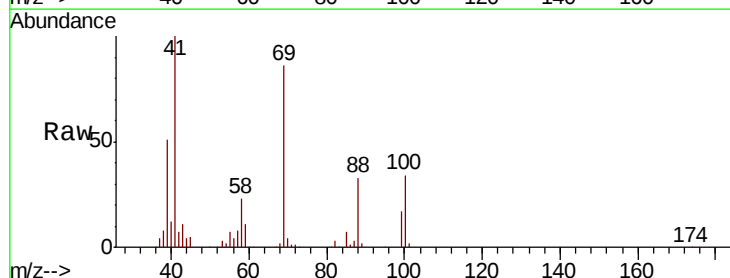
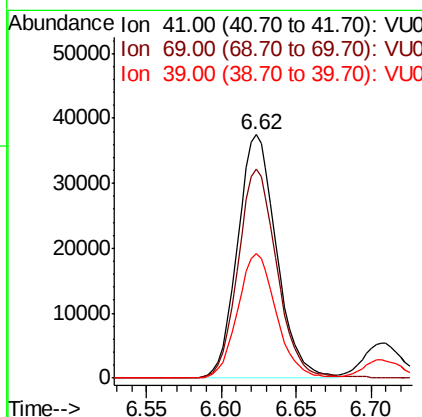
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#48
Methyl methacrylate
Concen: 44.214 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion	41	Resp	68028
Ion Ratio	100	Lower	Upper
41	100		
69	85.6	66.6	99.8
39	50.6	43.6	65.4





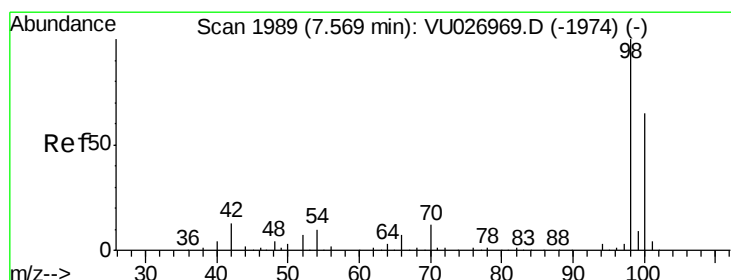
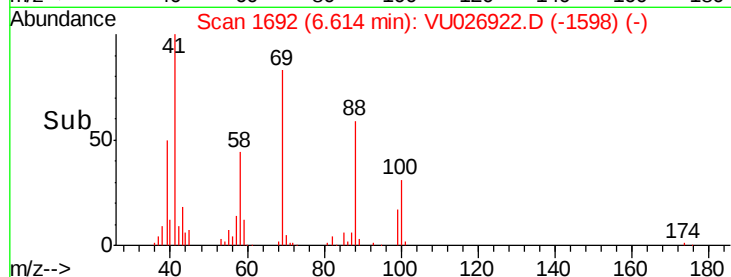
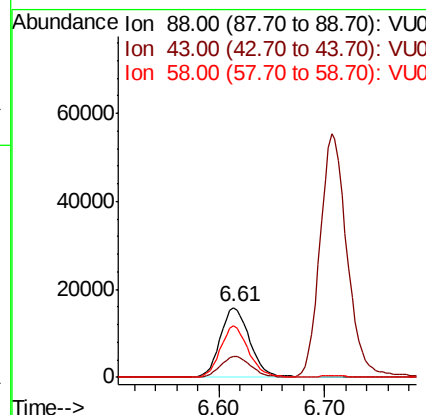
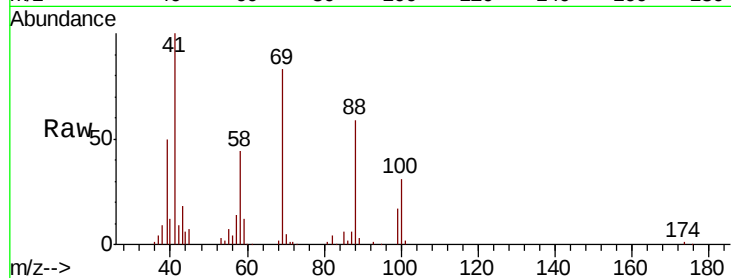
#49
1,4-Dioxane
Concen: 872.123 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.5	38.3
58	70.3	58.2	87.4

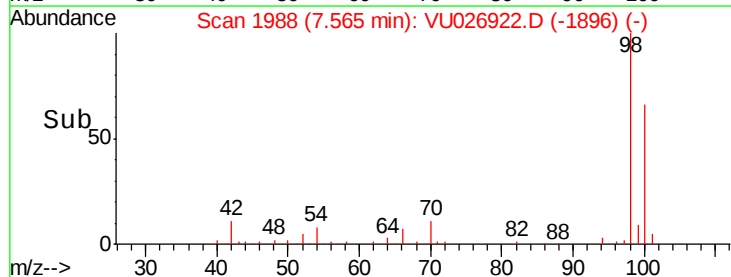
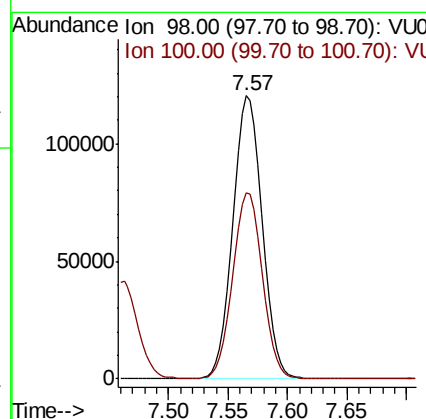
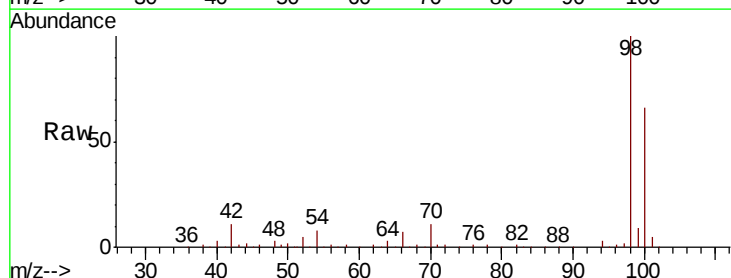
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#50
Toluene-d8
Concen: 49.854 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	51.2	76.8





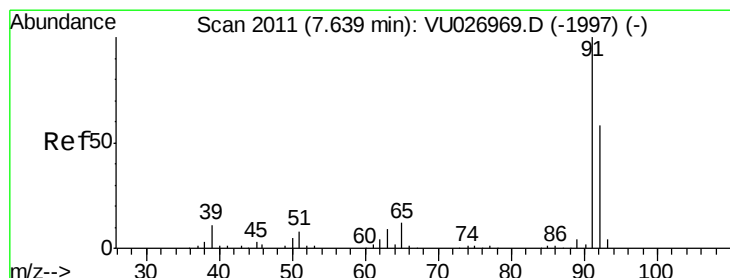
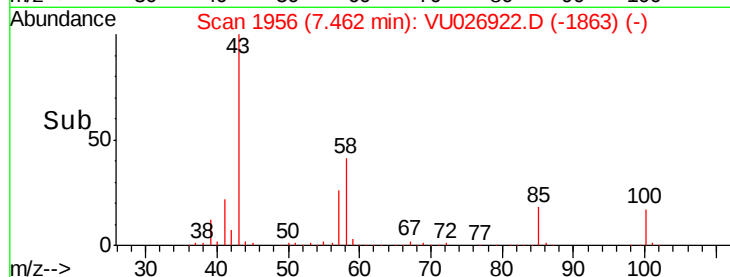
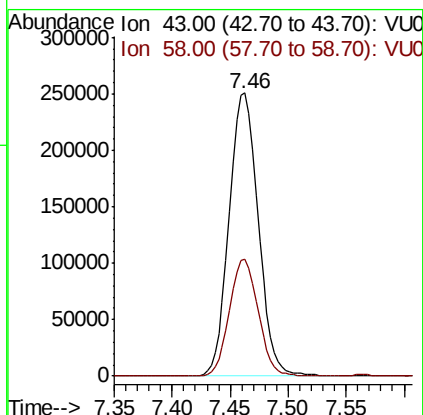
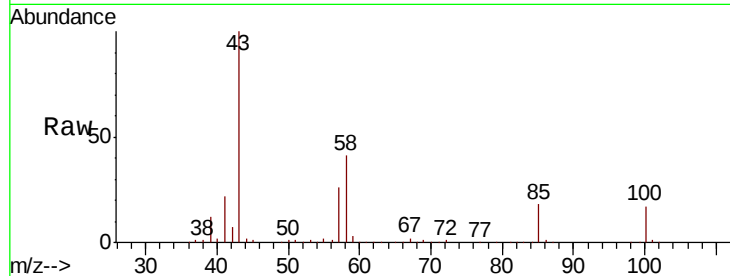
#51
4-Methyl-2-Pentanone
Concen: 231.176 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.1	46.7

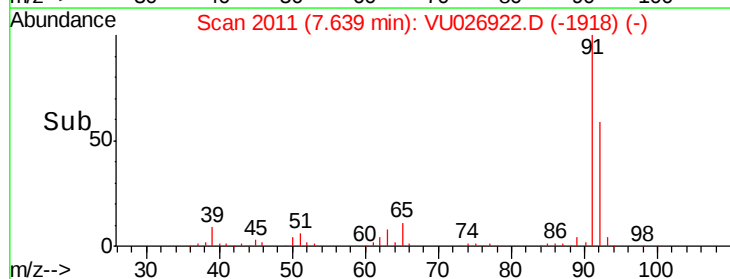
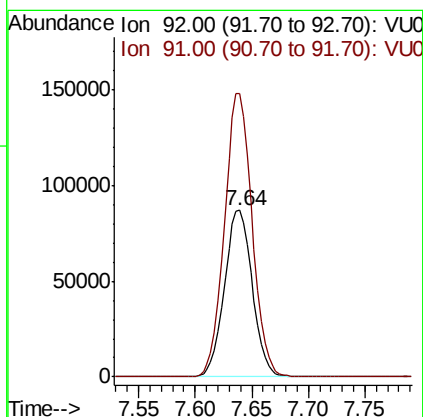
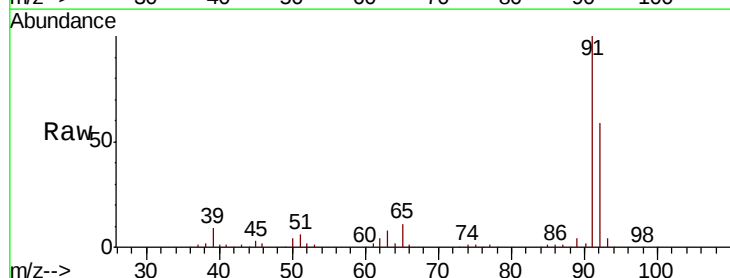
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#52
Toluene
Concen: 52.275 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.0	141.1	211.7





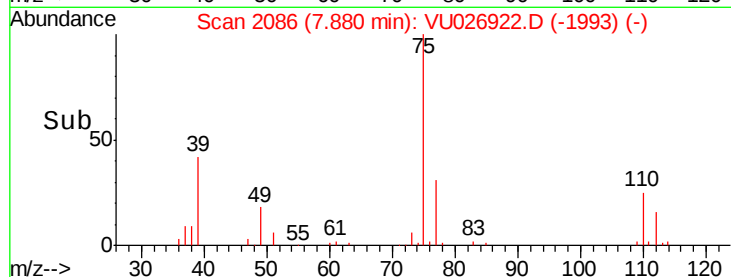
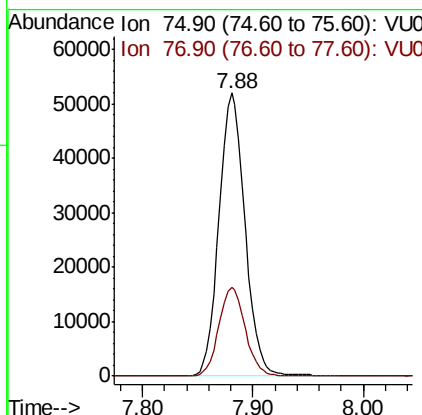
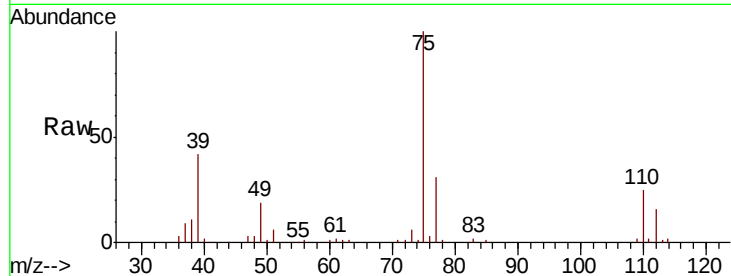
#53
t-1,3-Dichloropropene
Concen: 46.267 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion: 75 Resp: 84972
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

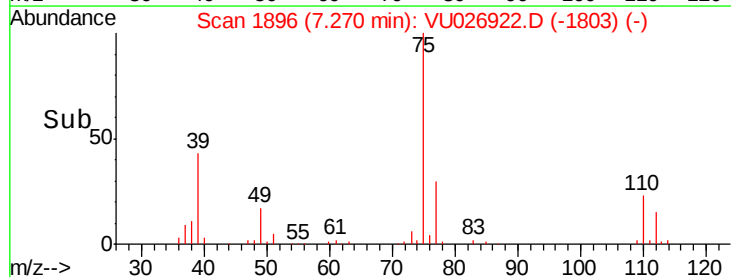
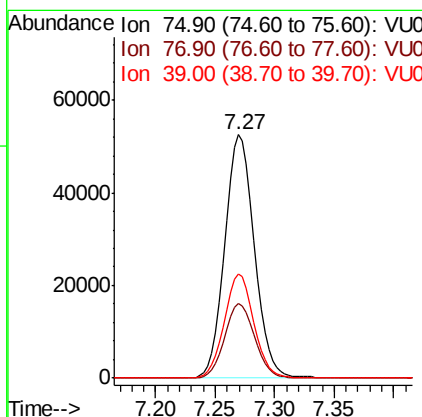
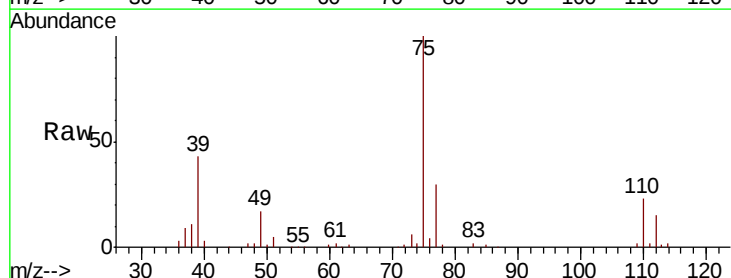
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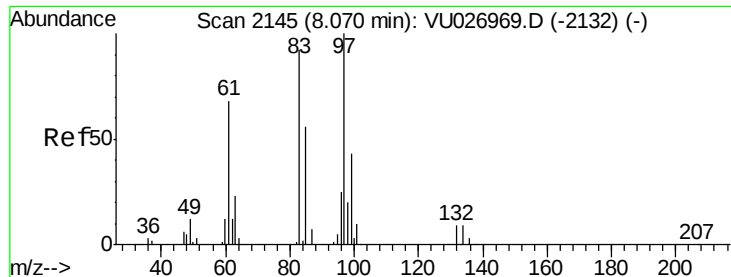
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#54
cis-1,3-Dichloropropene
Concen: 45.947 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion: 75 Resp: 90612
Ion Ratio Lower Upper
75 100
77 30.4 25.5 38.3
39 42.7 37.0 55.6





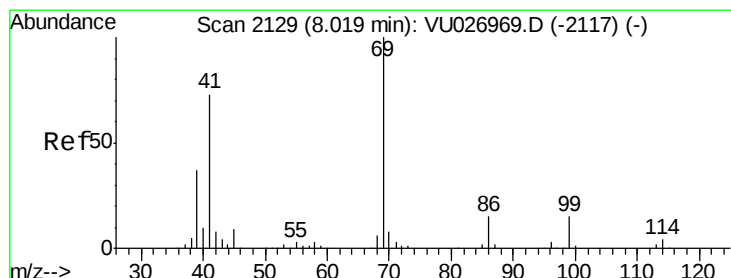
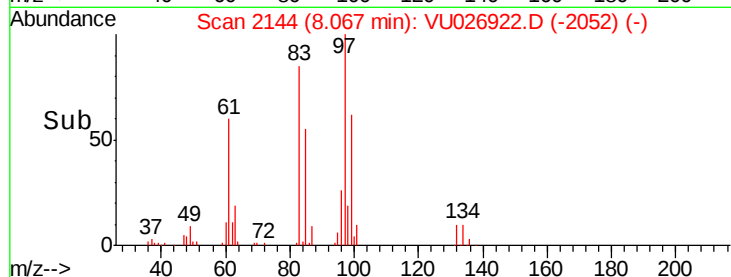
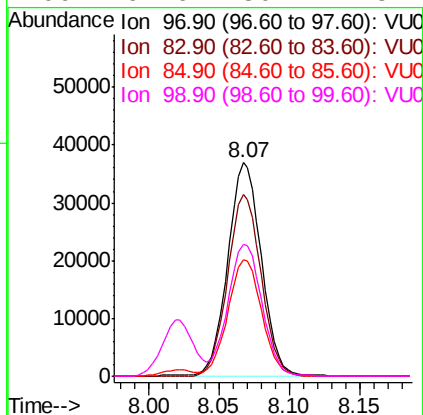
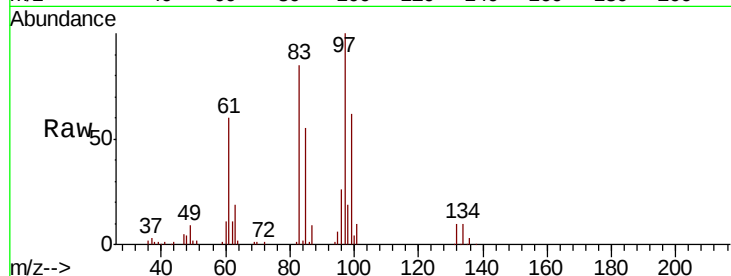
#55
 1,1,2-Trichloroethane
 Concen: 50.257 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion:	97	Resp:	61478
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.3	103.9
85	54.8	45.9	68.9
99	61.6	50.1	75.1

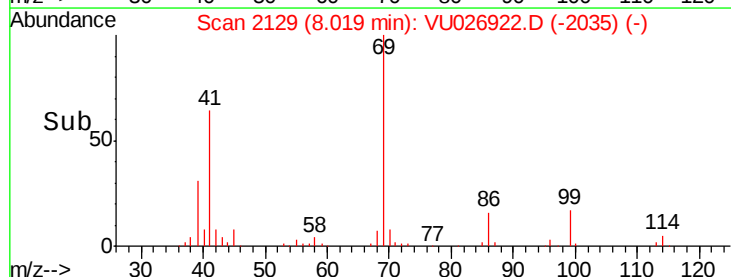
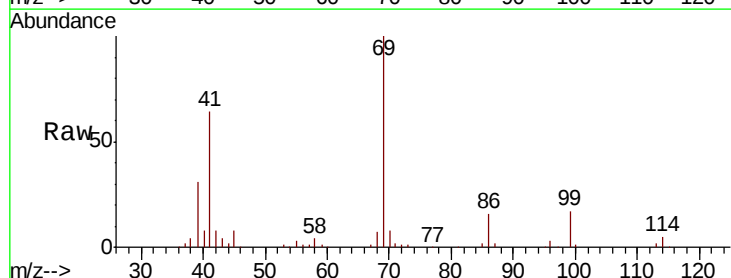
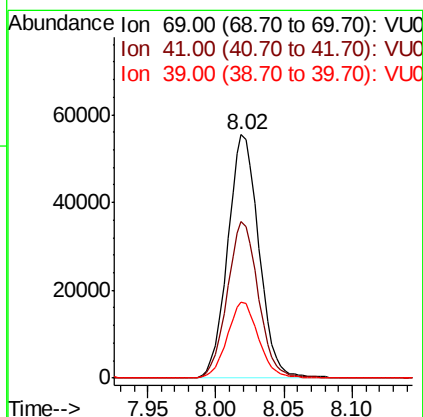
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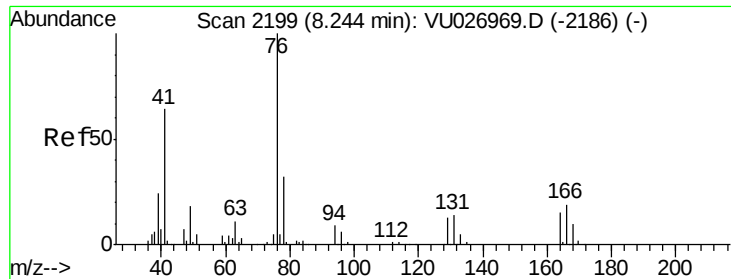
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#56
 Ethyl methacrylate
 Concen: 43.143 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion:	69	Resp:	88053
Ion	Ratio	Lower	Upper
69	100		
41	64.2	54.2	81.2
39	31.4	28.4	42.6





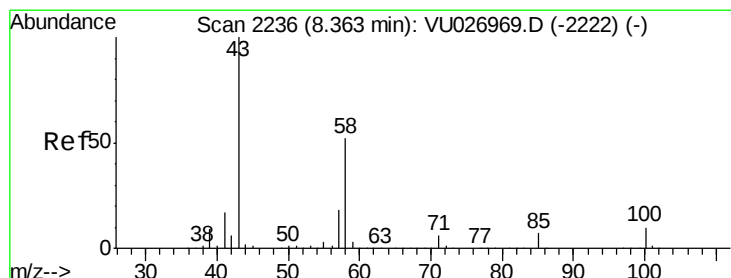
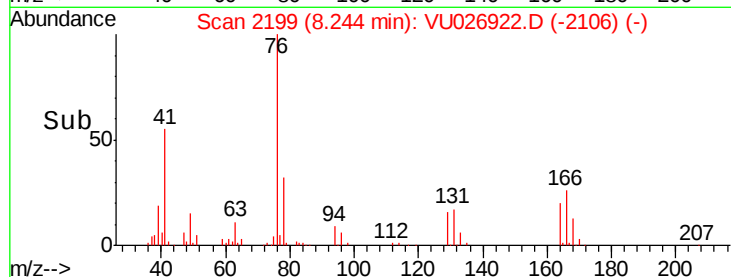
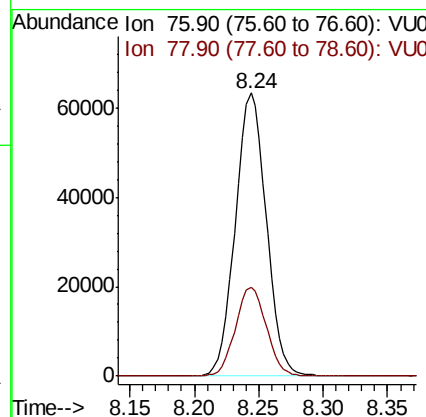
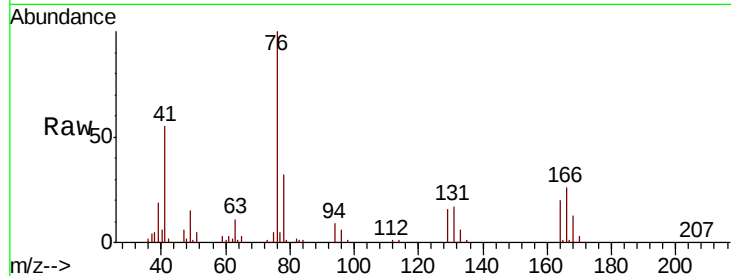
#57
 1,3-Dichloropropane
 Concen: 50.612 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion: 76 Resp: 105526
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.0 39.0

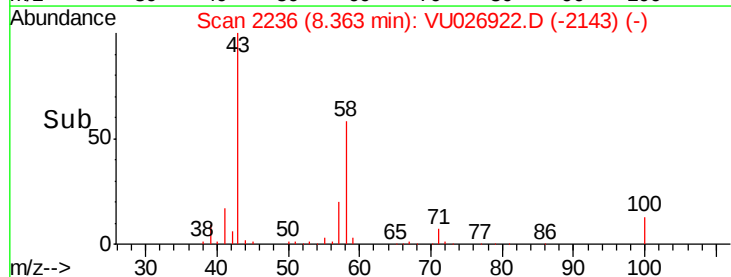
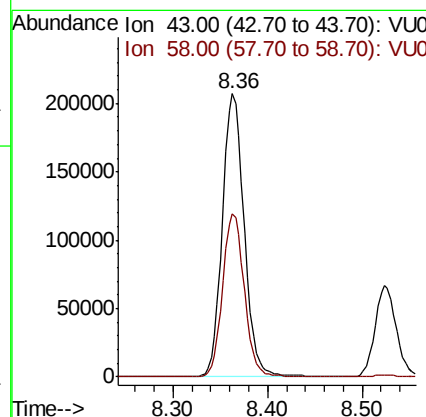
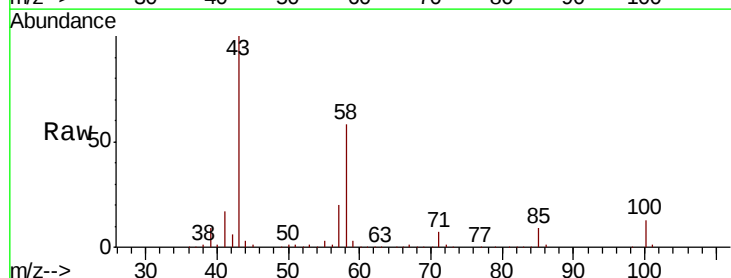
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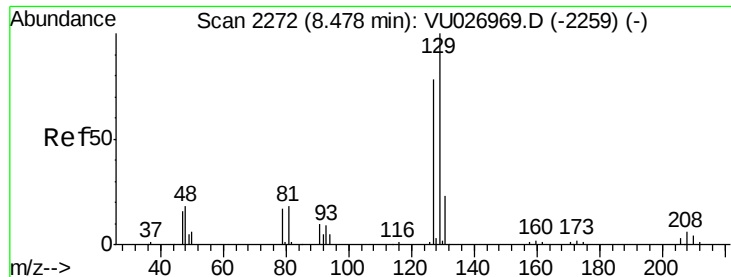
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#59
 2-Hexanone
 Concen: 223.725 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion: 43 Resp: 332829
 Ion Ratio Lower Upper
 43 100
 58 57.3 26.9 80.7





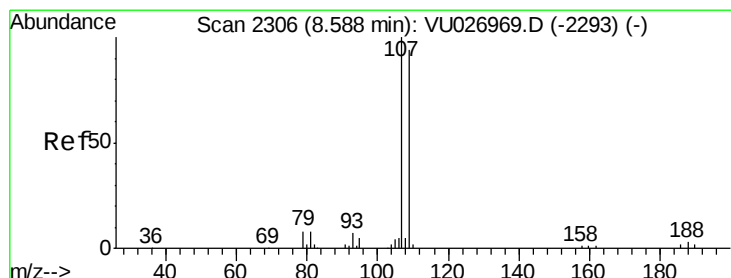
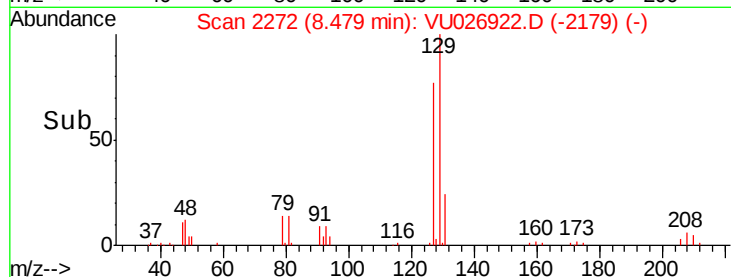
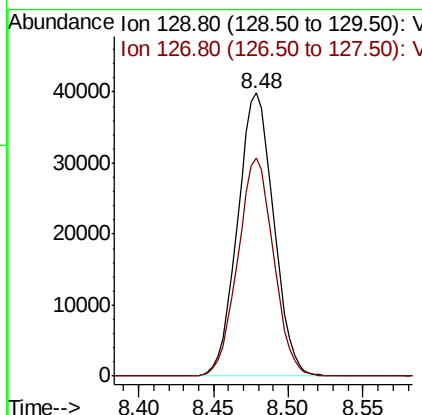
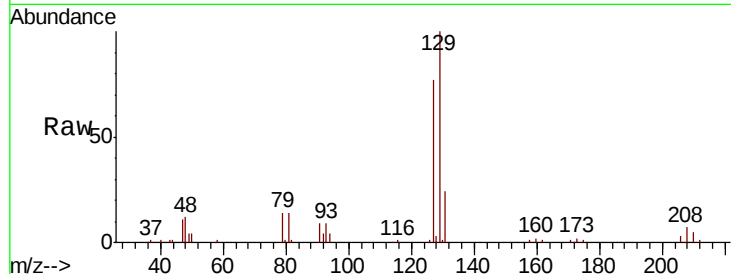
#60
 Dibromochloromethane
 Concen: 50.607 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		67046		
127	76.4	38.3	114.9		

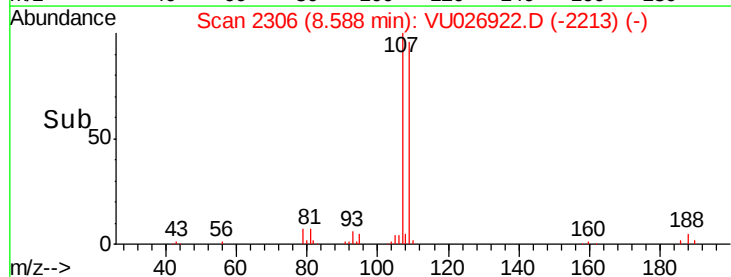
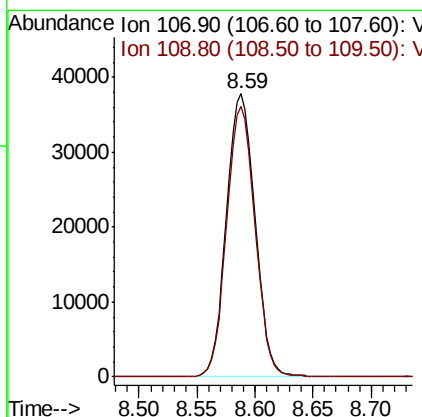
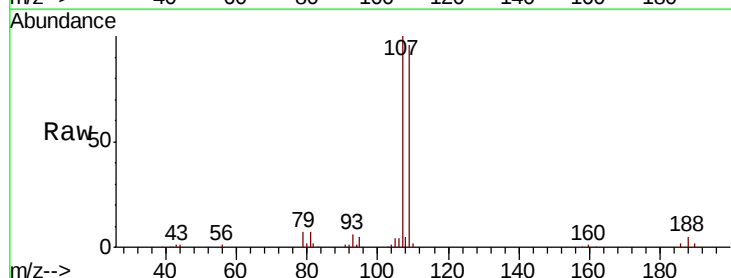
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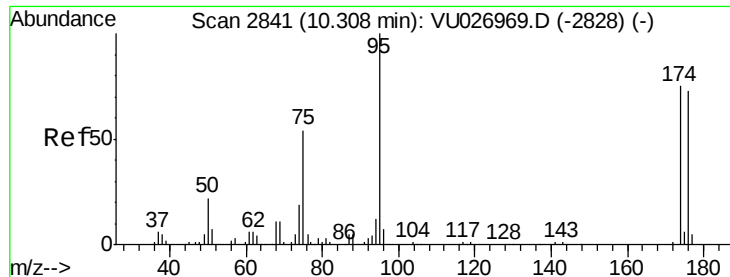
MMDadoda
 9/21/2018 4:12:32 PM



#61
 1,2-Dibromoethane
 Concen: 48.598 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		64503		
109	94.6	75.7	113.5		





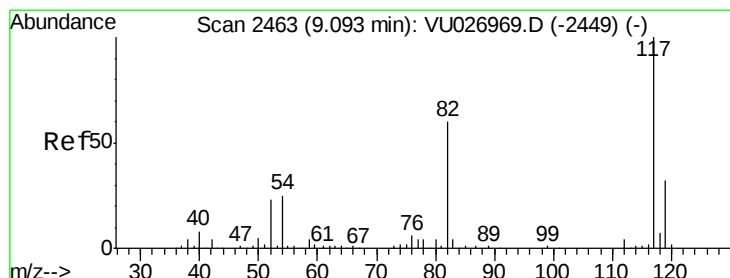
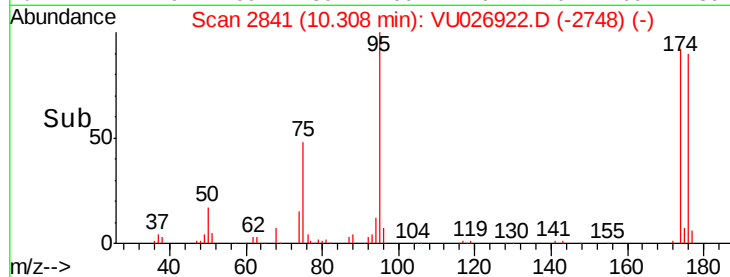
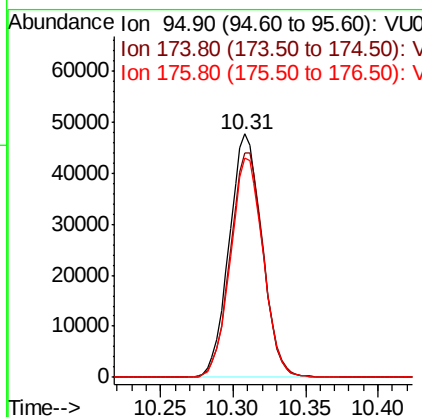
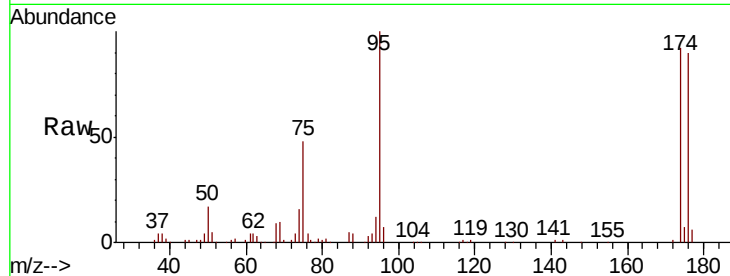
#62
 4-Bromofluorobenzene
 Concen: 49.609 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	74567		
174	93.5	0.0	172.8	
176	89.8	0.0	168.6	

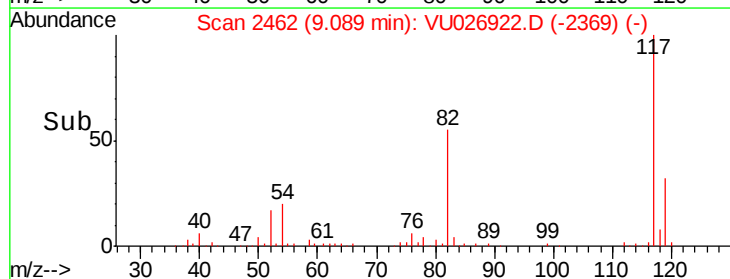
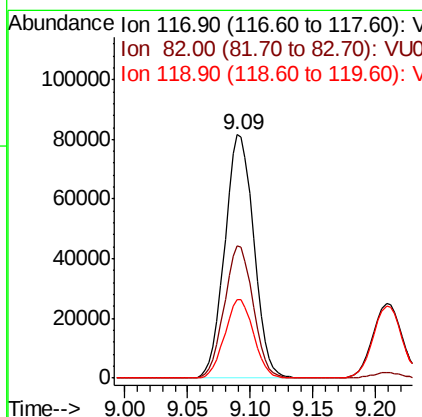
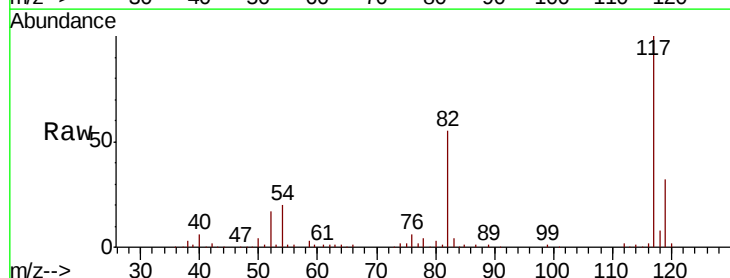
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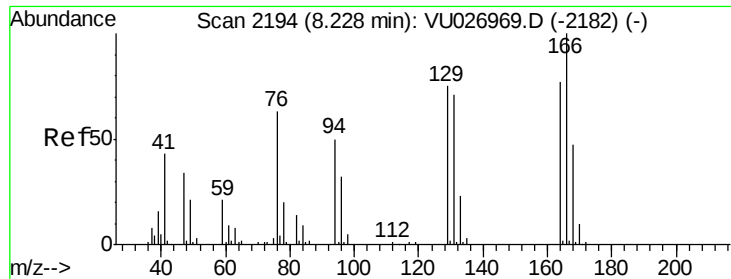
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 9/21/2018 4:12:32 PM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	131353		
82	54.5	44.1	66.1	
119	32.4	25.7	38.5	





#64

Tetrachloroethene

Concen: 52.574 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion:164 Resp: 54964

Ion Ratio Lower Upper

164 100

166 131.0 100.5 150.7

129 87.7 75.3 112.9

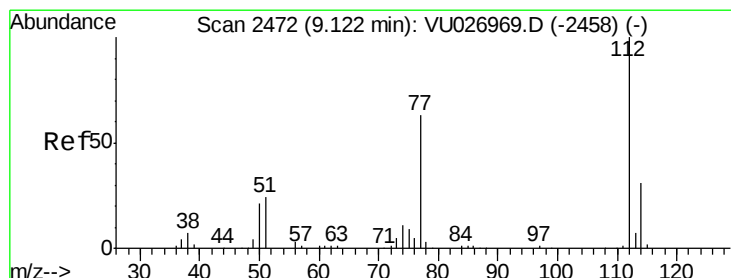
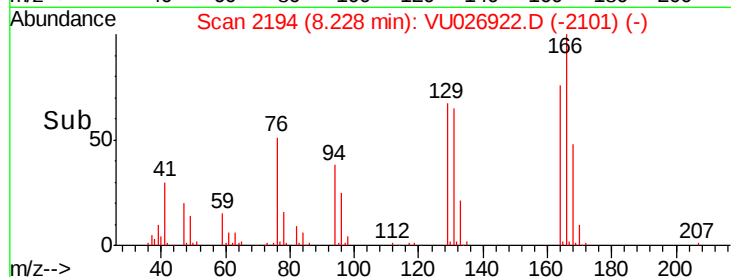
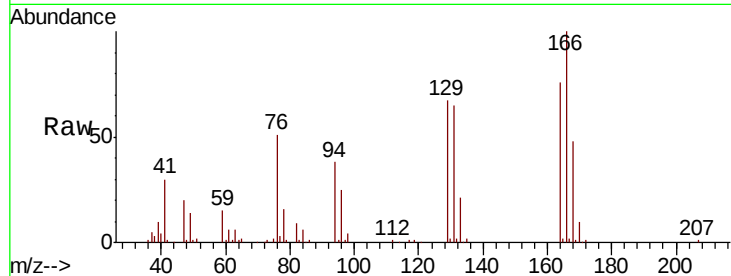
131 85.0 71.4 107.2

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#65

Chlorobenzene

Concen: 50.393 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026922.D

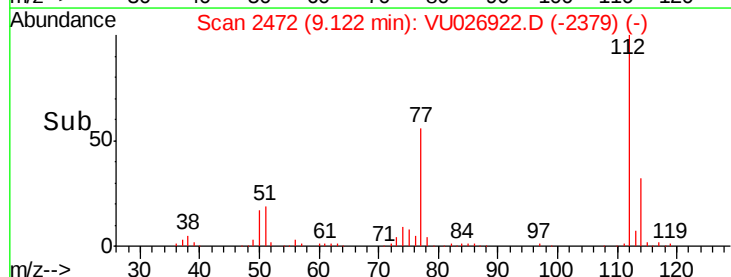
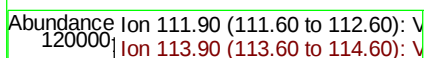
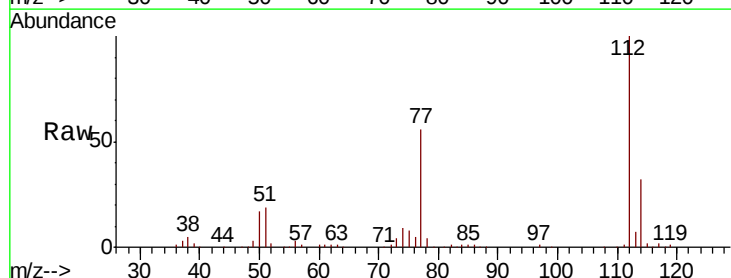
Acq: 20 Sep 2018 01:05

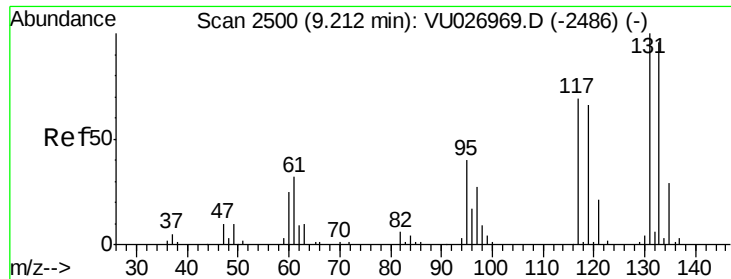
Tgt Ion:112 Resp: 164451

Ion Ratio Lower Upper

112 100

114 31.6 25.5 38.3





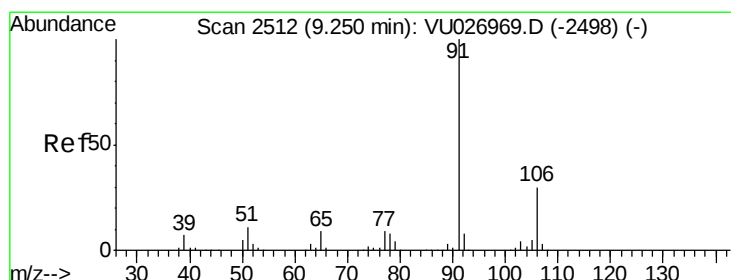
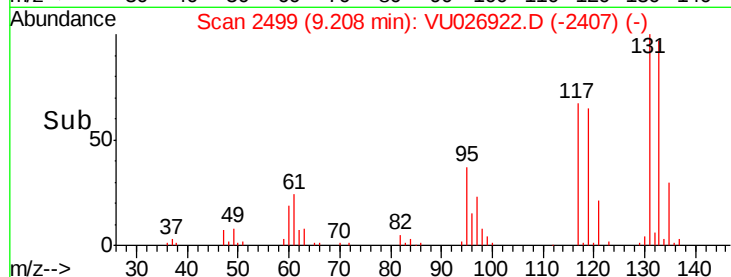
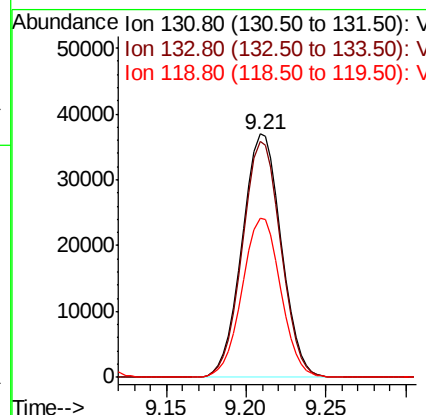
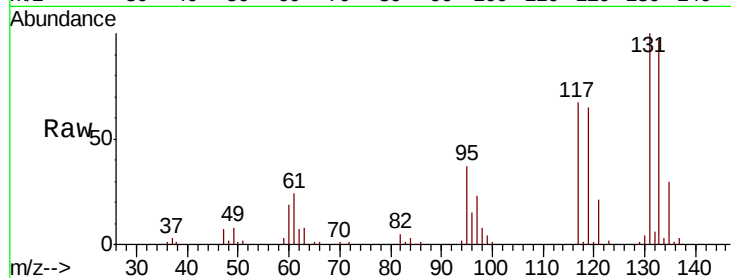
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.245 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.9	146.6
119	64.4	32.7	98.1

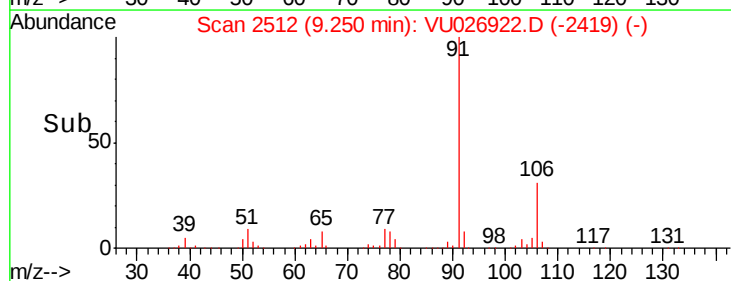
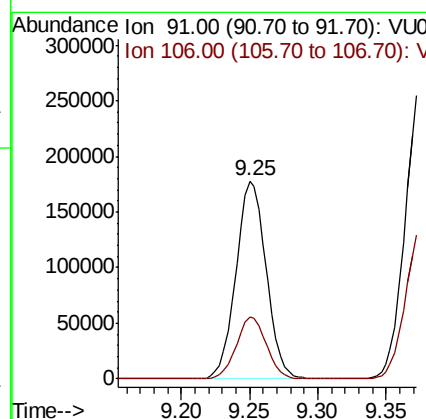
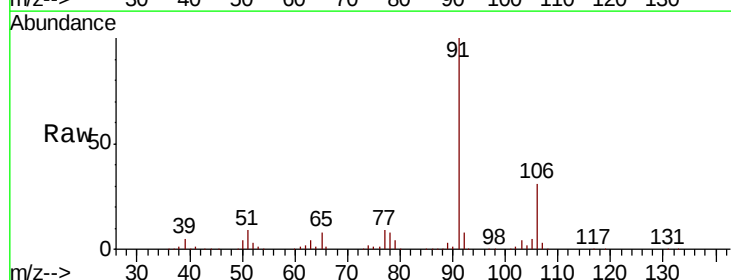
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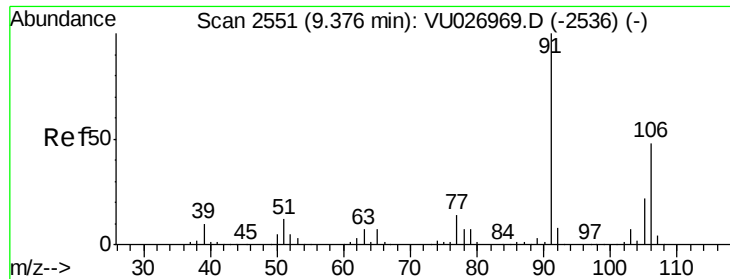
MMDadoda
 9/21/2018 4:12:32 PM



#67
 Ethyl Benzene
 Concen: 50.982 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.4





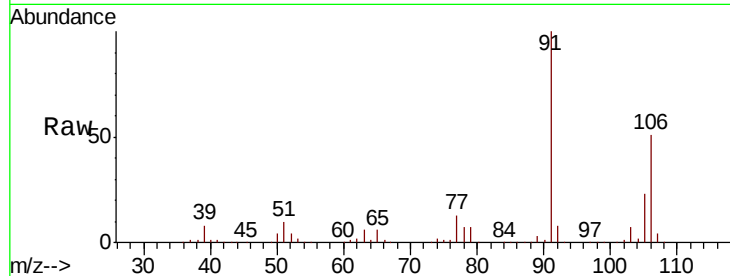
#68
m/p-Xylenes
Concen: 107.845 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

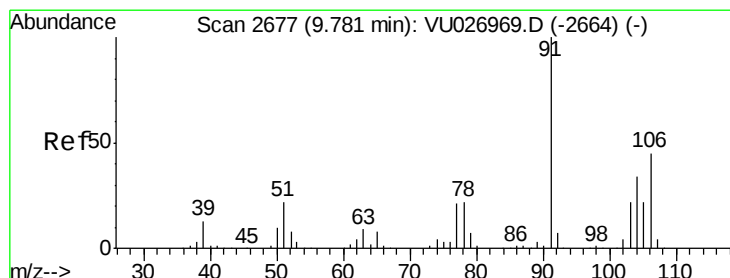
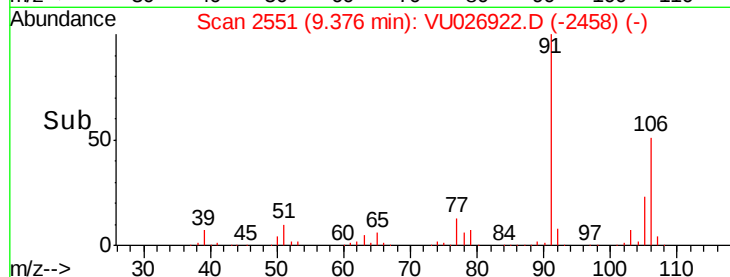
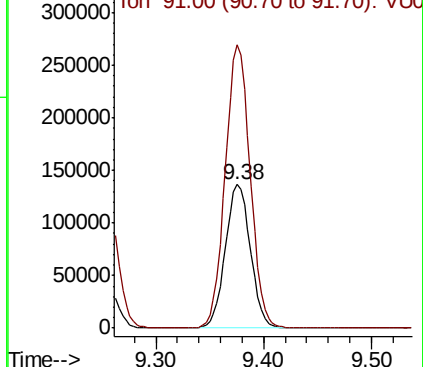
Tot Ion:106 Resp: 220540
Ion Ratio Lower Upper
106 100
91 196.4 162.1 243.1

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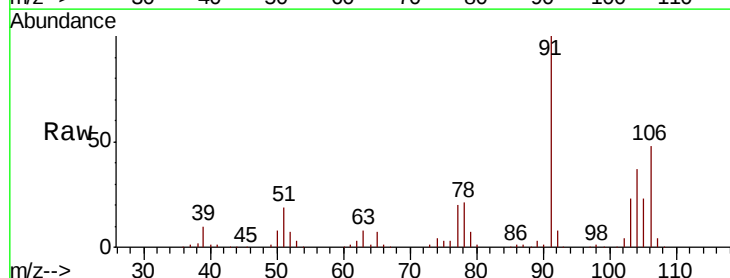


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

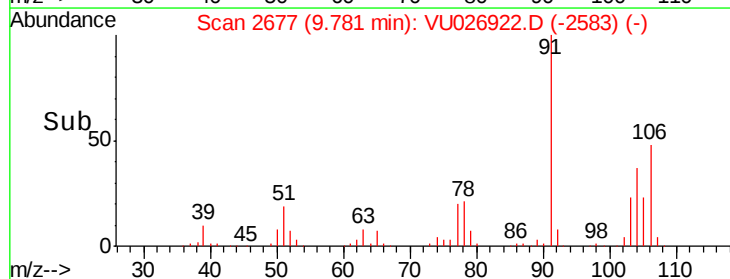
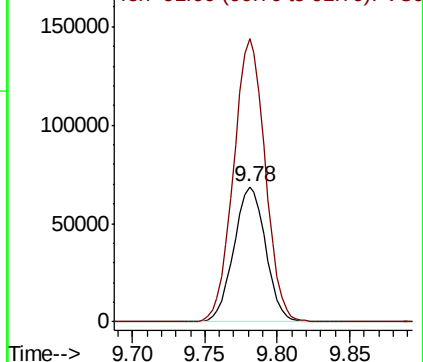


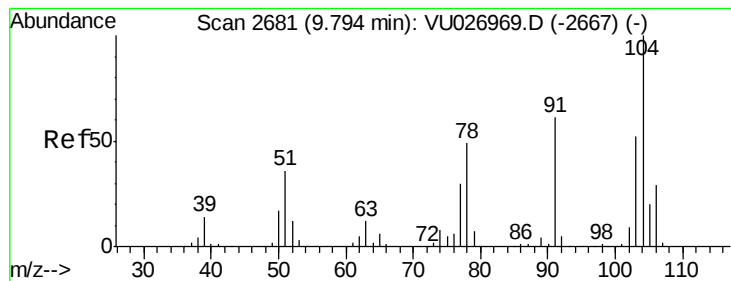
#69
o-Xylene
Concen: 47.985 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion:106 Resp: 104730
Ion Ratio Lower Upper
106 100
91 208.3 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#70

Stvrene

Concen: 48.564 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

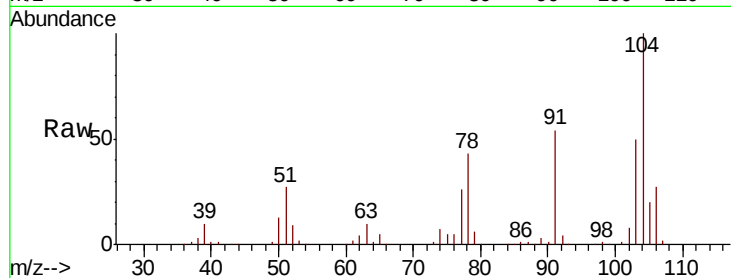
ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion:	104	Resp:	178541
Ion Ratio	Lower	Upper	
104	100		
78	47.3	39.4	59.2
103	53.9	44.5	66.7

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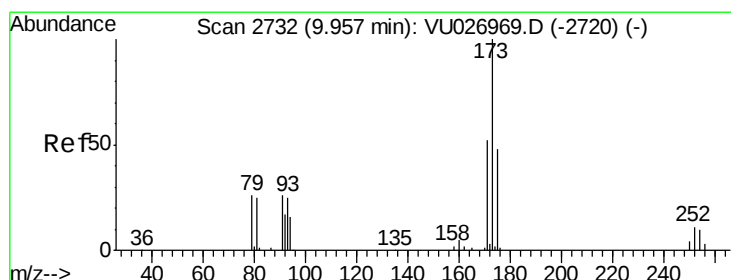
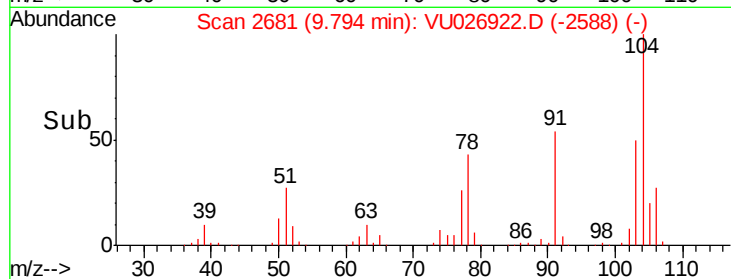
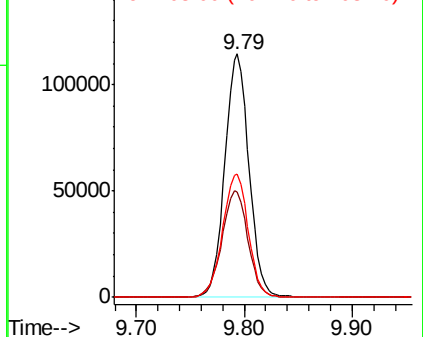


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 51.062 ug/l

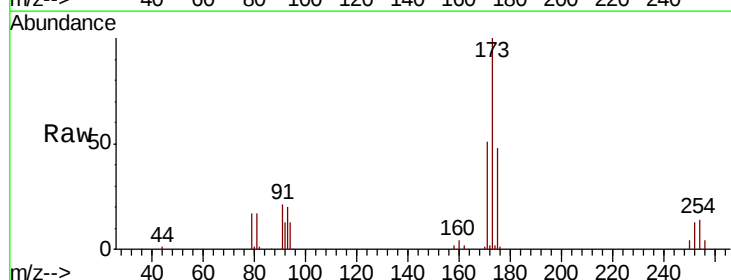
RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Tgt Ion:	173	Resp:	53324
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.7	74.1
254	0.0	0.0	0.0

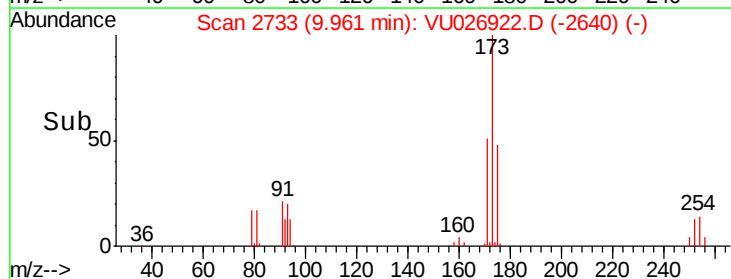
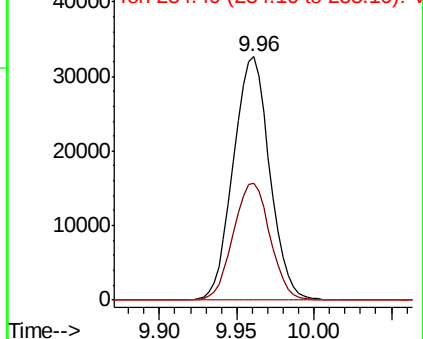


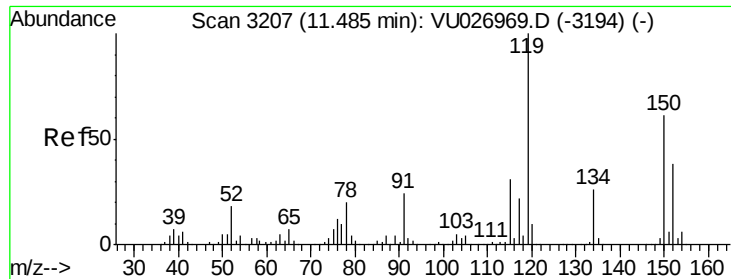
Abundance

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

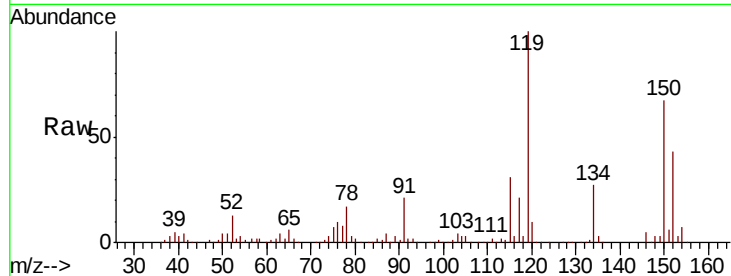
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	76.1	40.4	121.1
150	174.2	0.0	345.2

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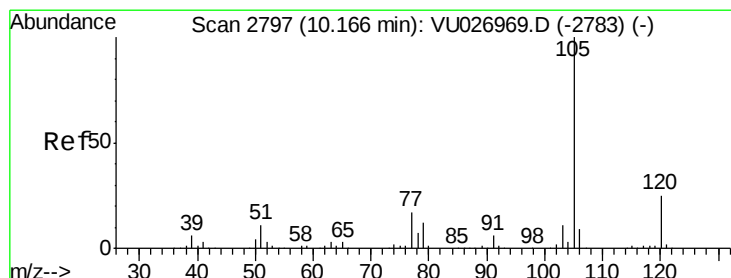
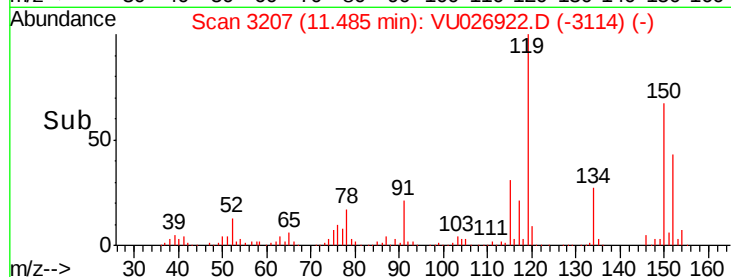
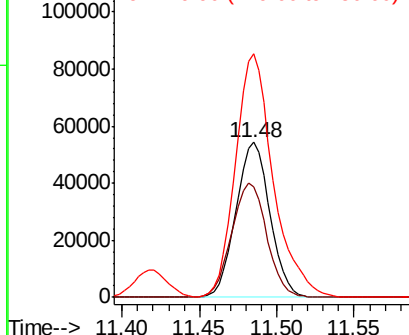


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

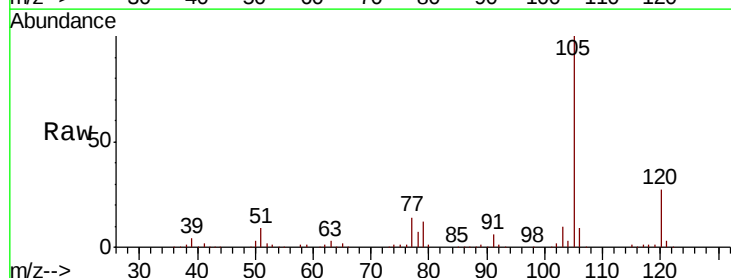
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 50.103 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

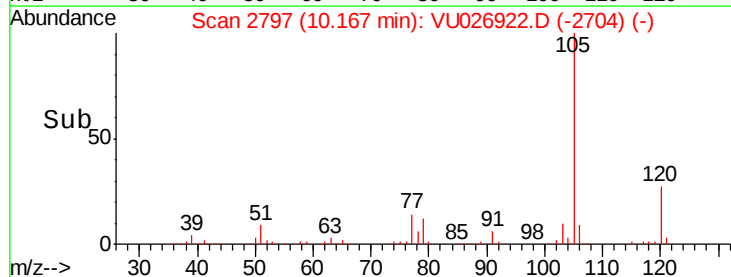
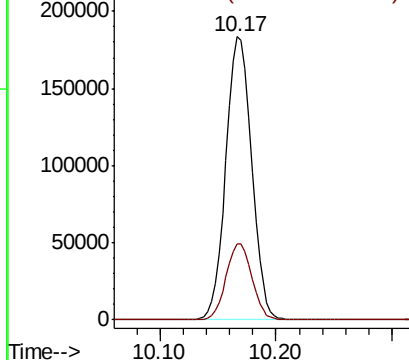
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

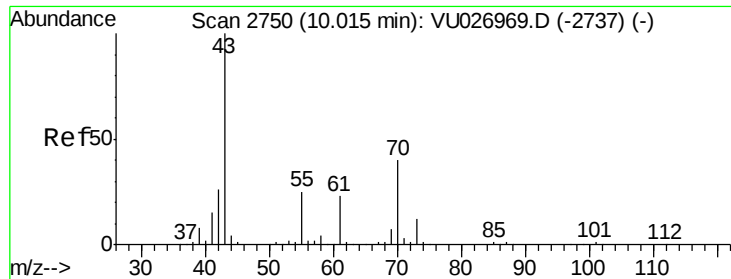


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 37.936 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

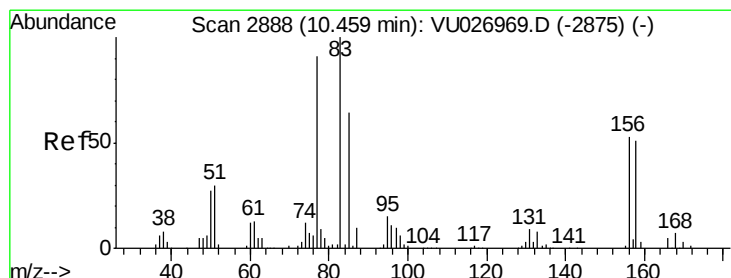
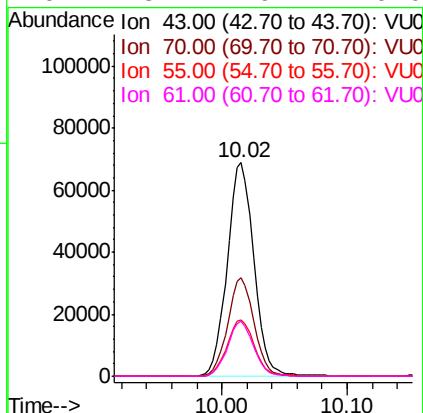
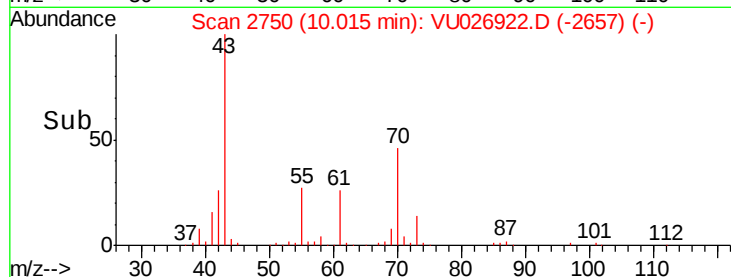
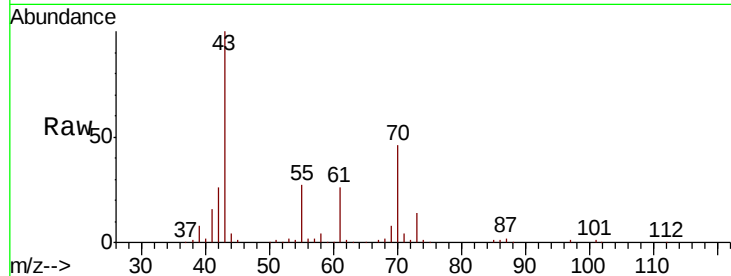
ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion:	43	Resp:	101260
Ion	Ratio	Lower	Upper
43	100		
70	45.8	32.6	48.8
55	27.0	19.1	28.7
61	25.2	19.4	29.0

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#75

1,1,2,2-Tetrachloroethane

Concen: 43.955 ug/l

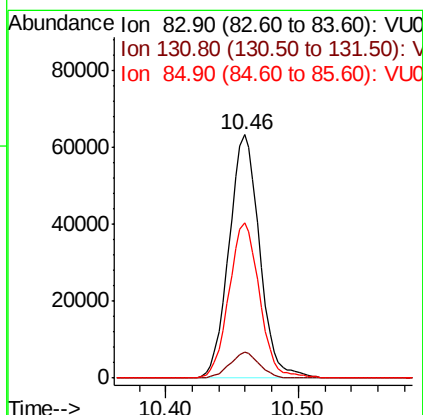
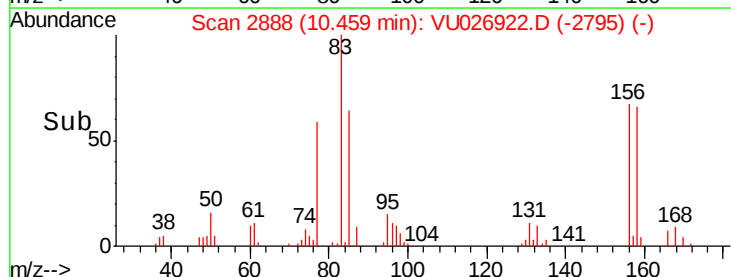
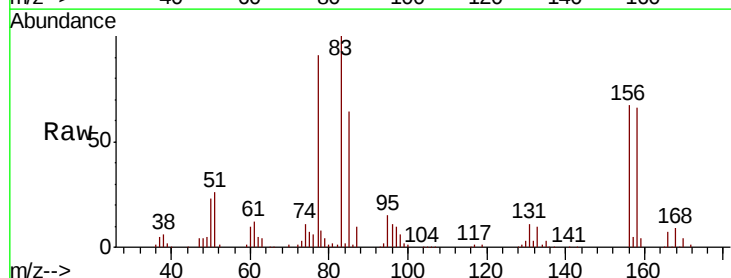
RT: 10.46 min Scan# 2888

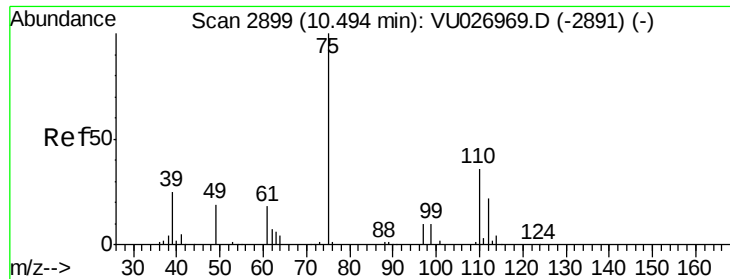
Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Tgt Ion:	83	Resp:	101280
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.6
85	63.8	32.3	96.9





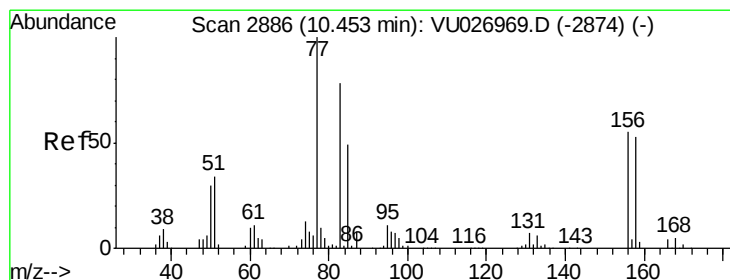
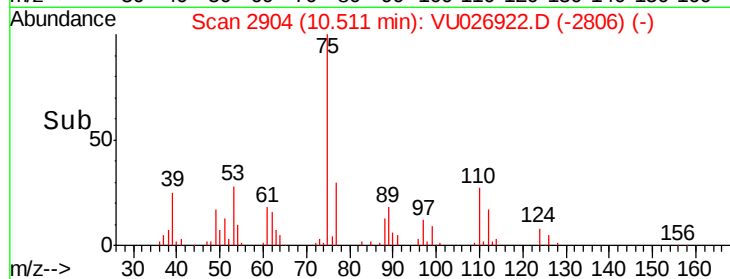
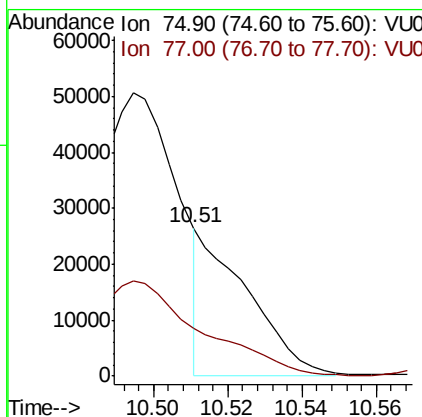
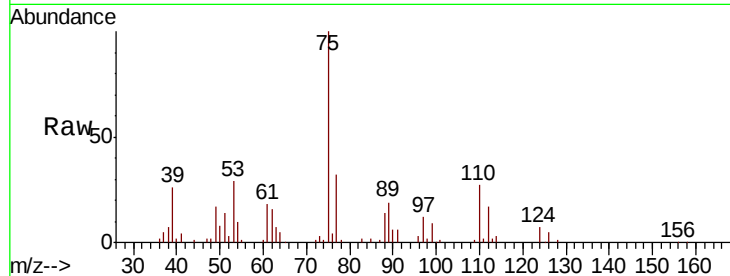
#76
 1,2,3-Trichloropropane
 Concen: 12.949 ug/l m
 RT: 10.51 min Scan# 2904
 Delta R.T. 0.02 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion: 75 Resp: 24067
 Ion Ratio Lower Upper
 75 100
 77 137.7 21.1 63.1#

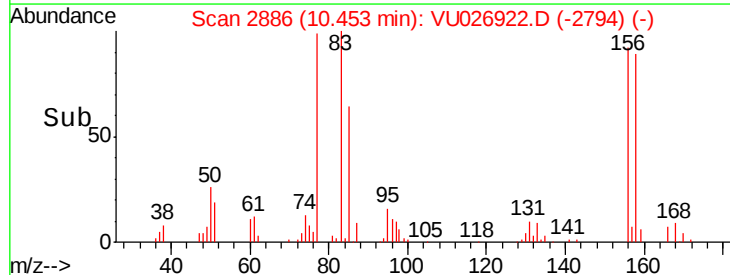
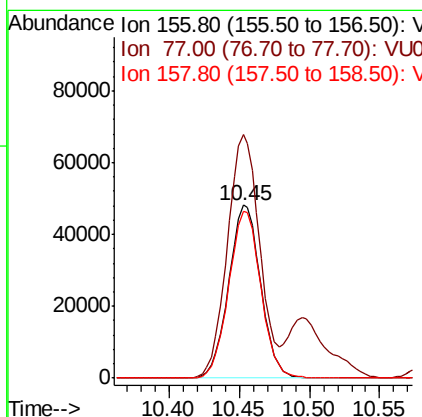
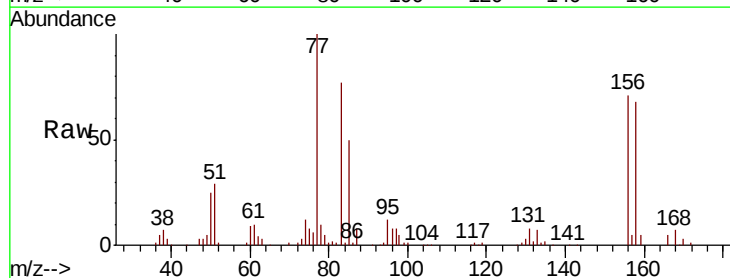
Manual Integrations
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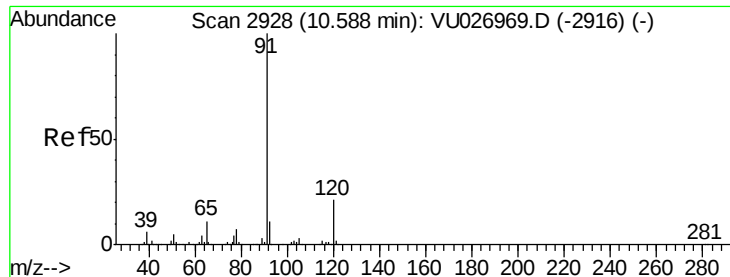
MMDadoda
 9/21/2018 4:12:32 PM



#77
 Bromobenzene
 Concen: 49.643 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion: 156 Resp: 76282
 Ion Ratio Lower Upper
 156 100
 77 142.7 77.6 232.9
 158 97.0 48.9 146.6





#78

n-propylbenzene

Concen: 49.545 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion: 91 Resp: 325797

Ion Ratio Lower Upper

91 100

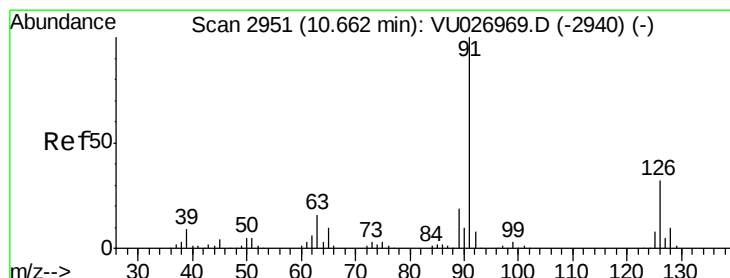
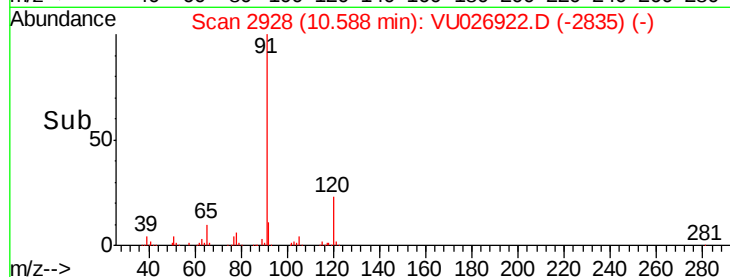
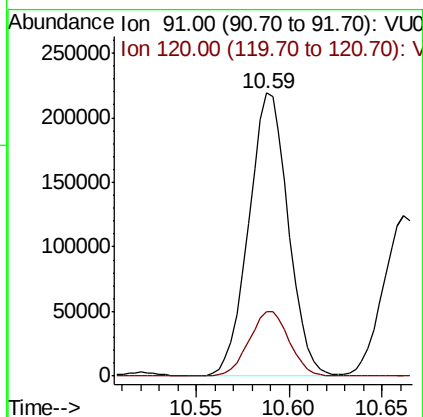
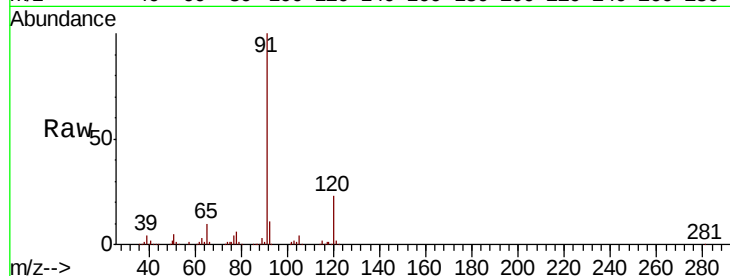
120 23.2 11.4 34.1

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#79

2-Chlorotoluene

Concen: 47.361 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026922.D

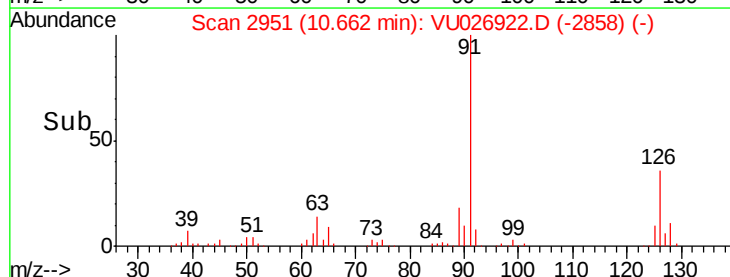
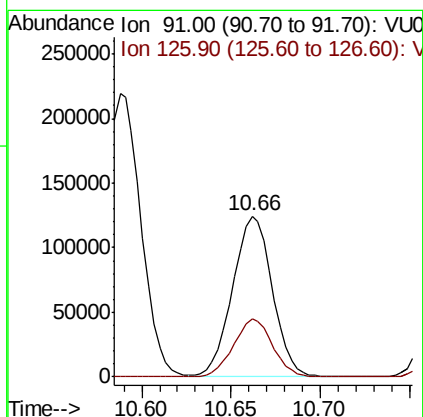
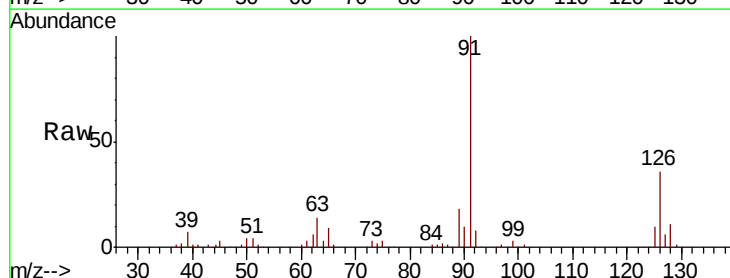
Acq: 20 Sep 2018 01:05

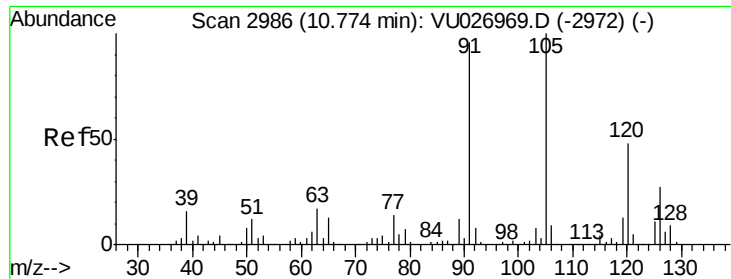
Tgt Ion: 91 Resp: 193058

Ion Ratio Lower Upper

91 100

126 35.5 17.3 51.7





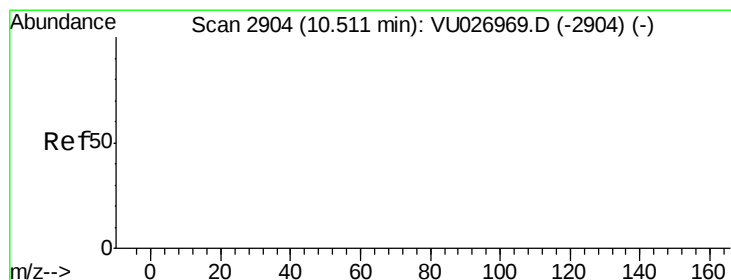
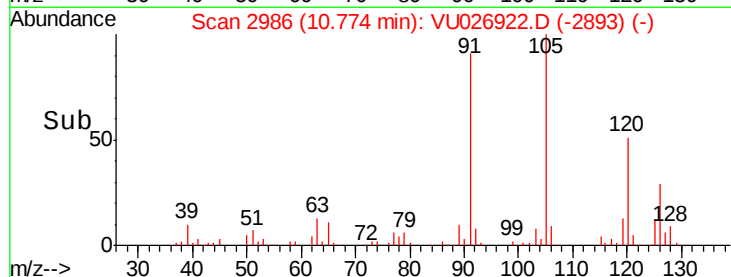
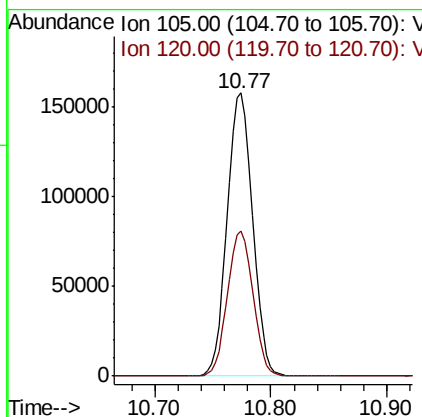
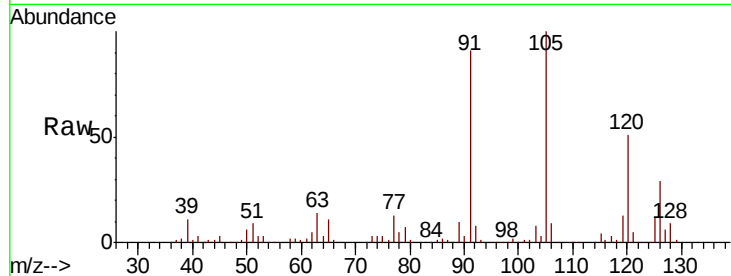
#80
 1,3,5-Trimethylbenzene
 Concen: 50.193 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion:105 Resp: 238530
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.6 74.0

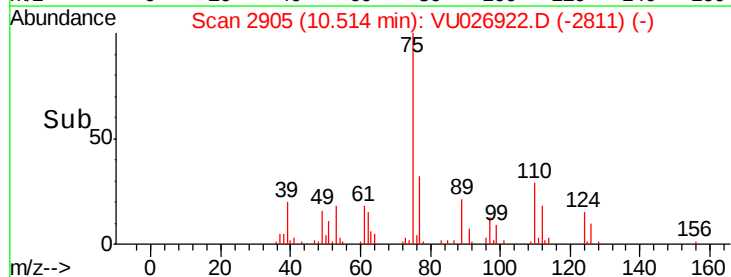
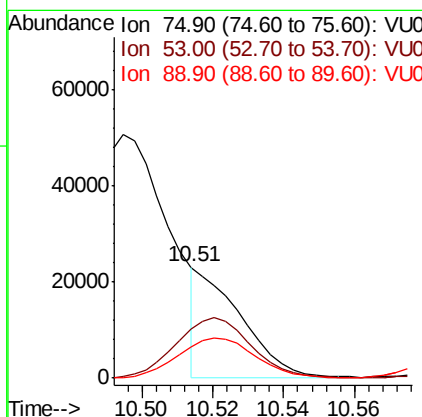
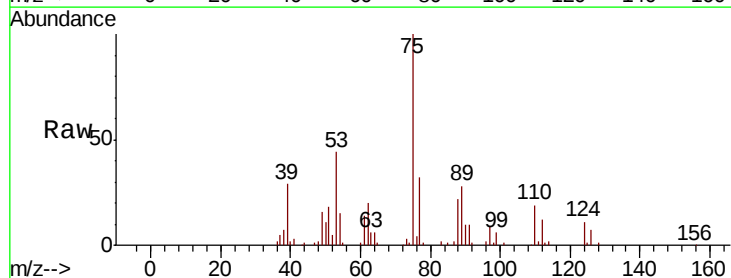
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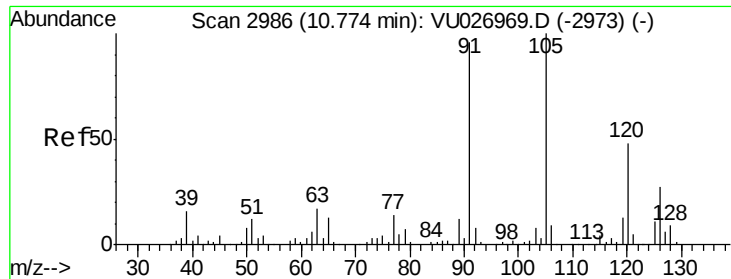
MMDadoda
 9/21/2018 4:12:32 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 37.180 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion: 75 Resp: 19762
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 48.188 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MSD

Tot Ion: 91 Resp: 220696

Ion Ratio Lower Upper

91 100

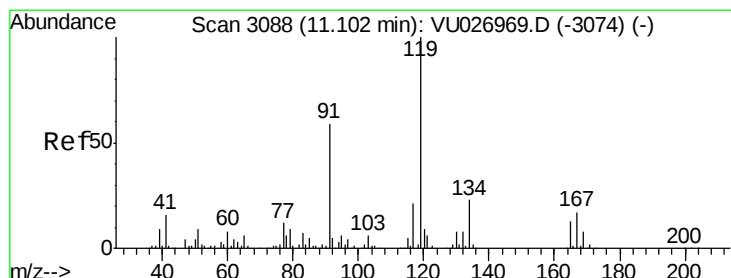
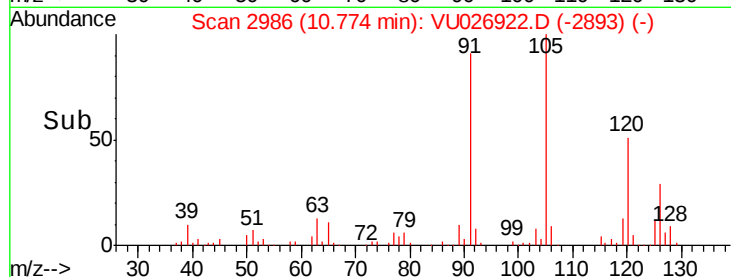
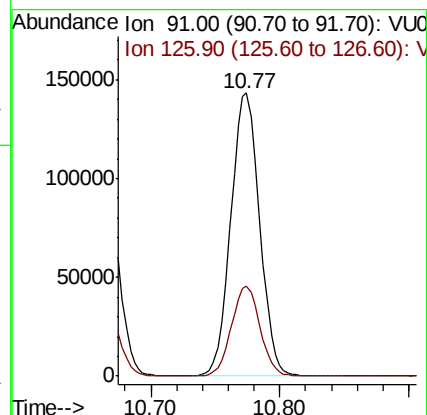
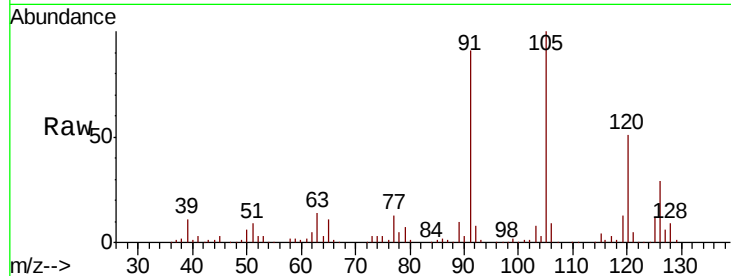
126 31.7 15.2 45.5

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#83

tert-Butylbenzene

Concen: 49.490 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

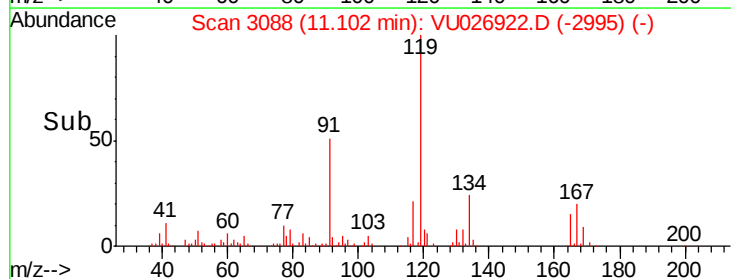
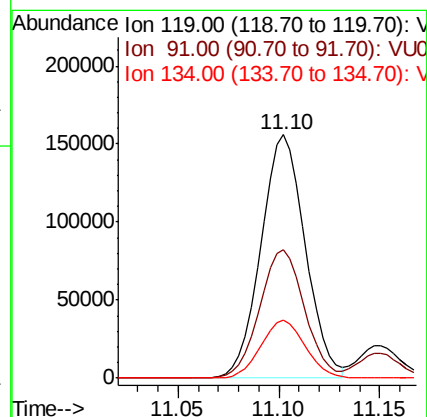
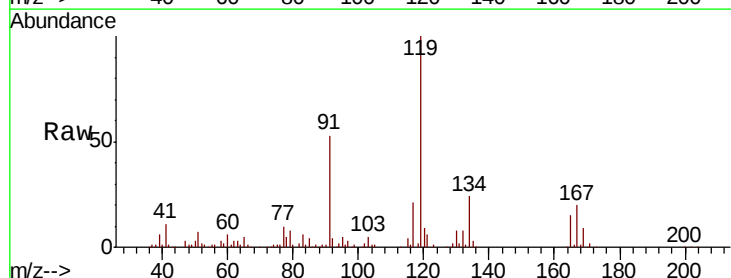
Tgt Ion: 119 Resp: 238679

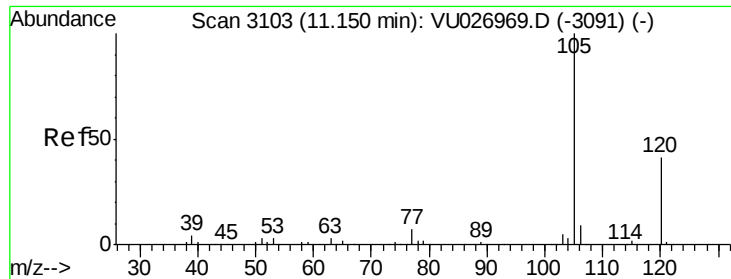
Ion Ratio Lower Upper

119 100

91 53.6 28.3 85.0

134 23.8 11.2 33.5





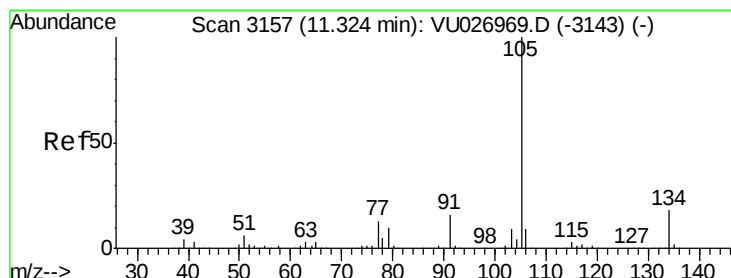
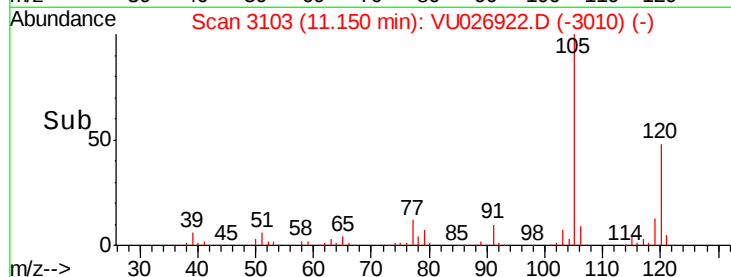
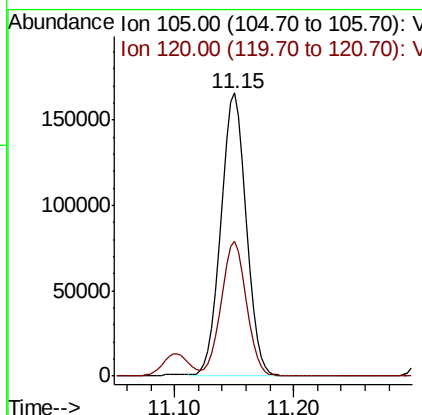
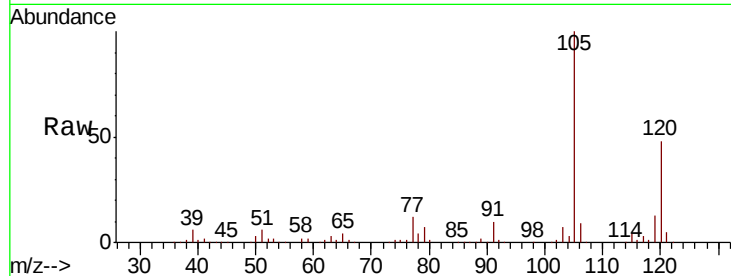
#84
 1,2,4-Trimethylbenzene
 Concen: 51.168 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion:105 Resp: 245261
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.3 69.8

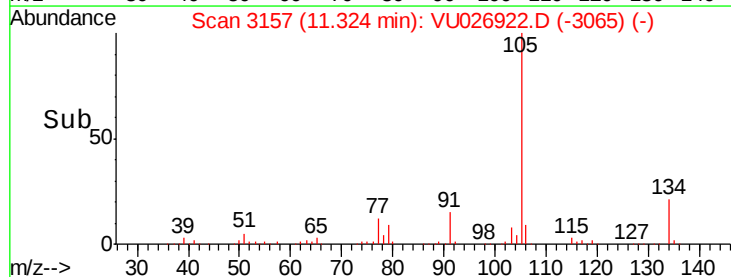
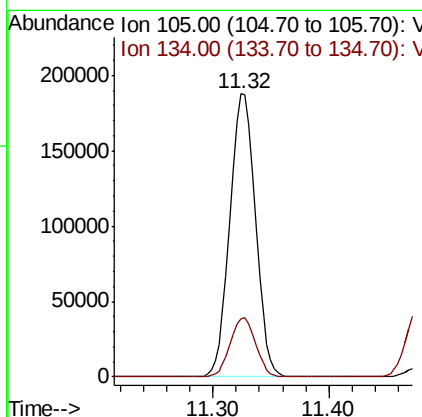
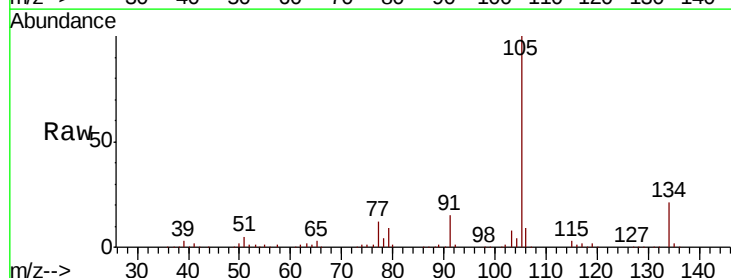
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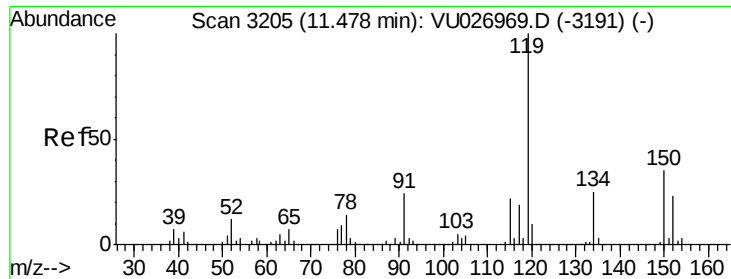
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 49.883 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion:105 Resp: 285699
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.1 30.1





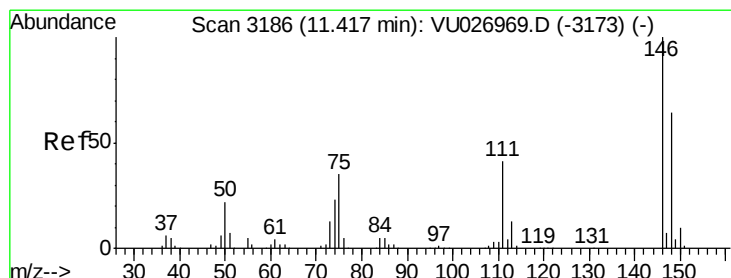
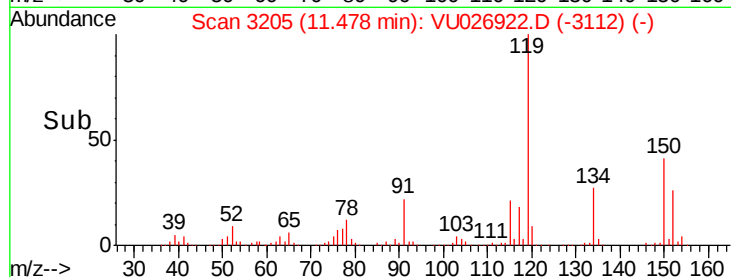
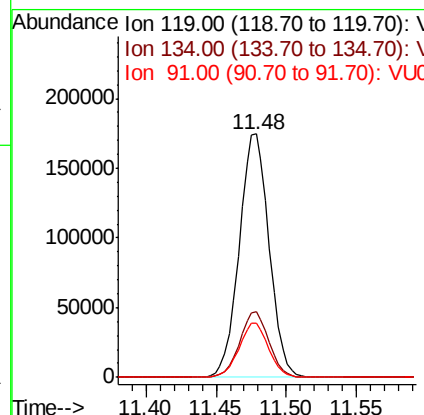
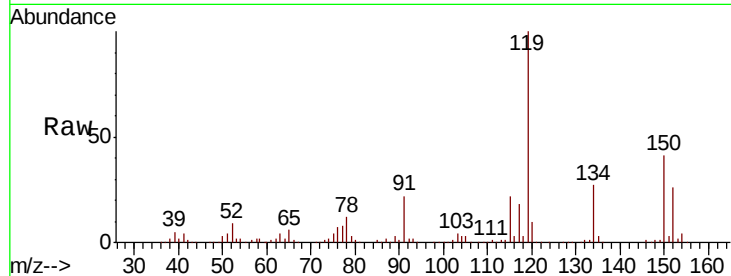
#86
 p-Isopropyltoluene
 Concen: 47.090 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258933		
134	26.5		13.2	39.5
91	21.9		11.6	34.8

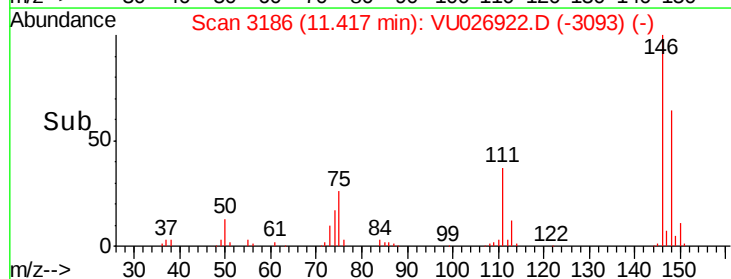
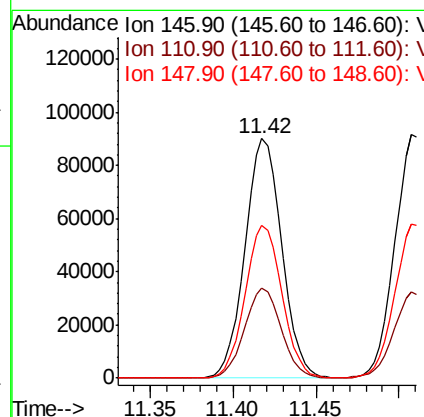
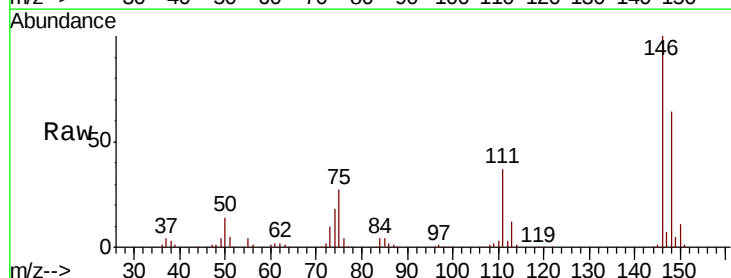
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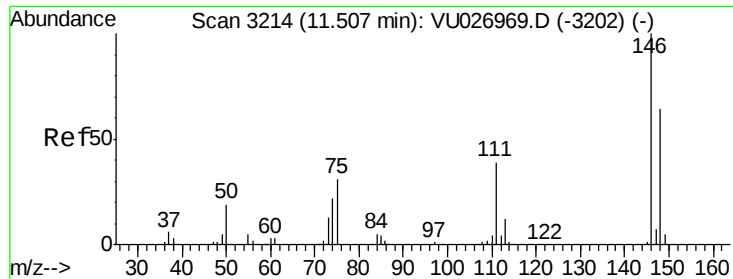
MMDadoda
 9/21/2018 4:12:32 PM



#87
 1,3-Dichlorobenzene
 Concen: 48.492 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	139010		
111	37.5		19.7	59.1
148	64.0		32.1	96.3





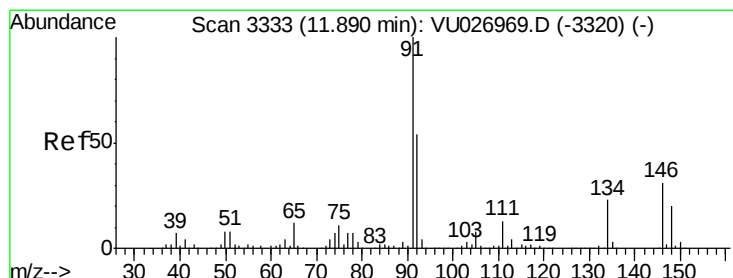
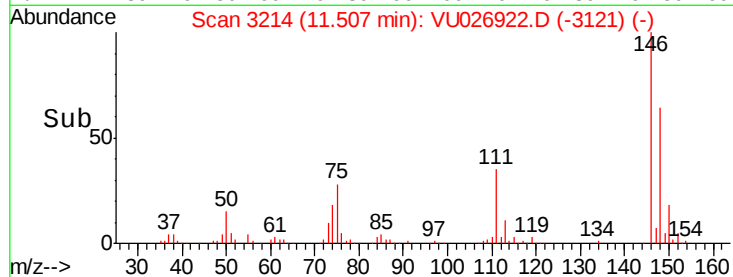
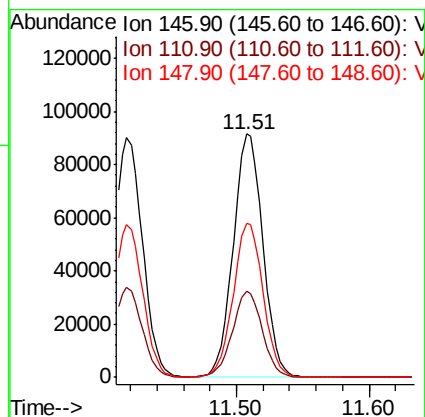
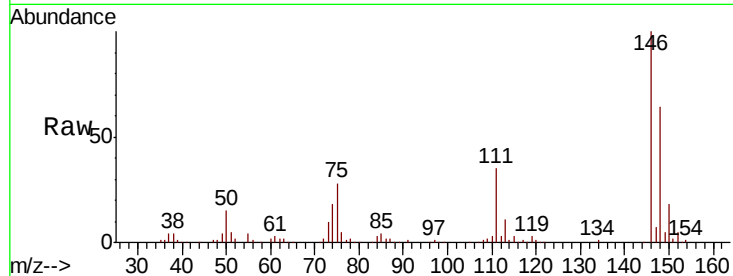
#88
 1,4-Dichlorobenzene
 Concen: 47.712 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	19.2	57.6
148	63.7	32.1	96.3

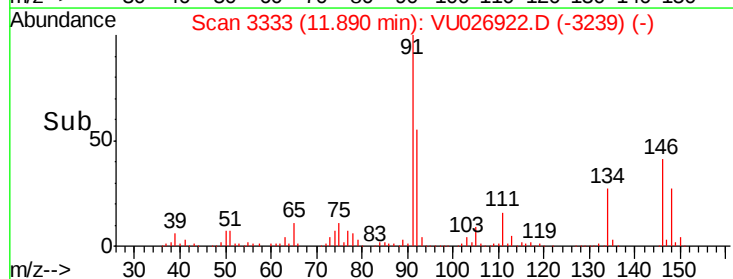
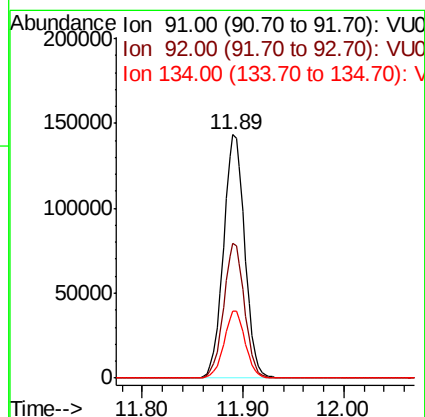
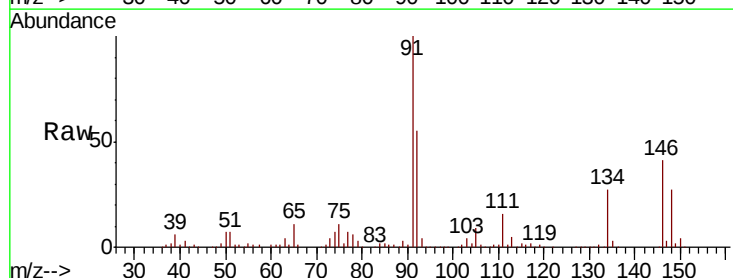
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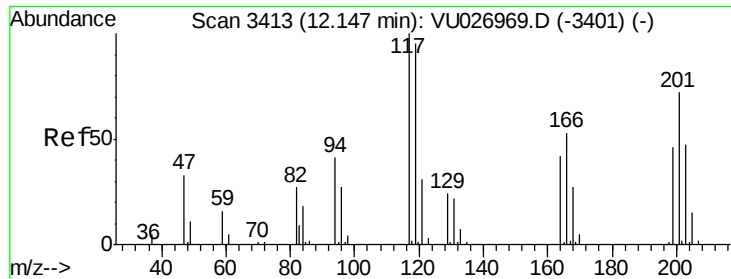
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#89
 n-Butylbenzene
 Concen: 42.202 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	25.8	77.3
134	27.2	12.6	37.8





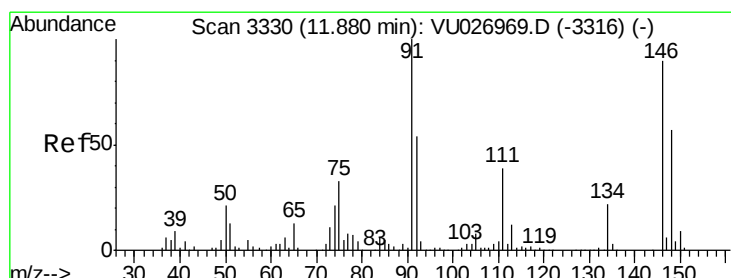
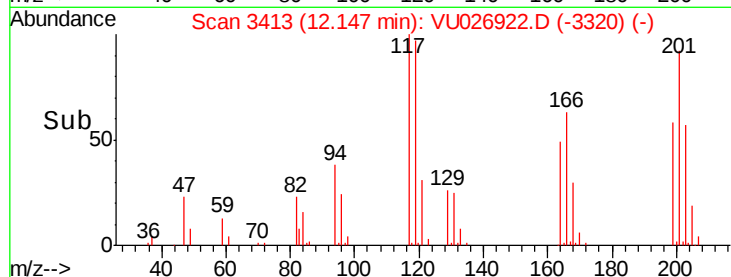
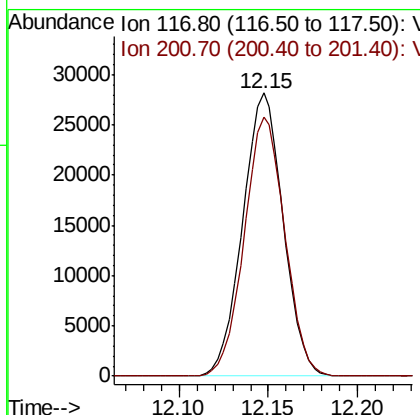
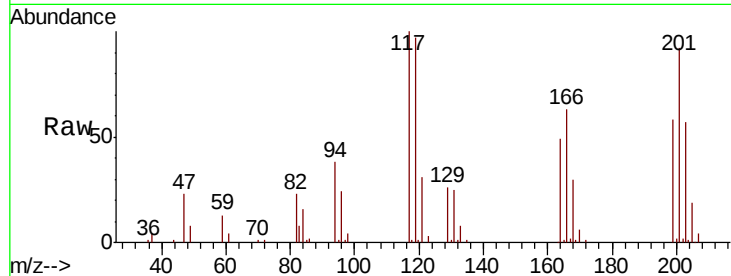
#90
Hexachloroethane
Concen: 44.315 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MSD

Tot Ion:117 Resp: 44786
Ion Ratio Lower Upper
117 100
201 91.5 42.4 127.1

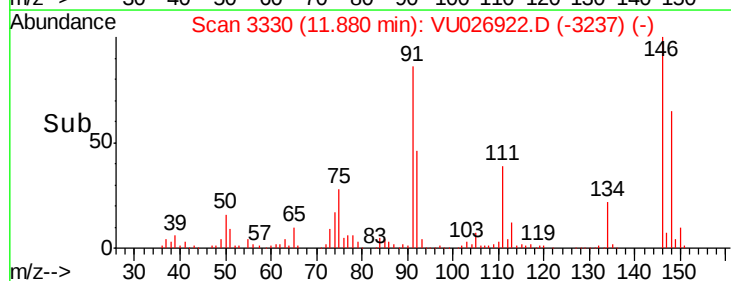
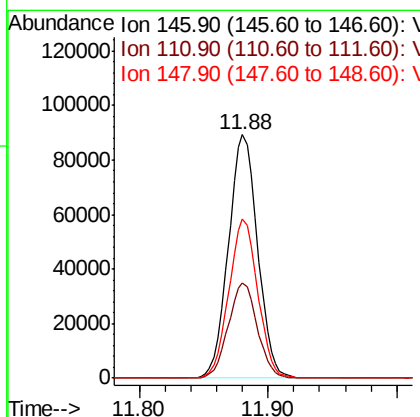
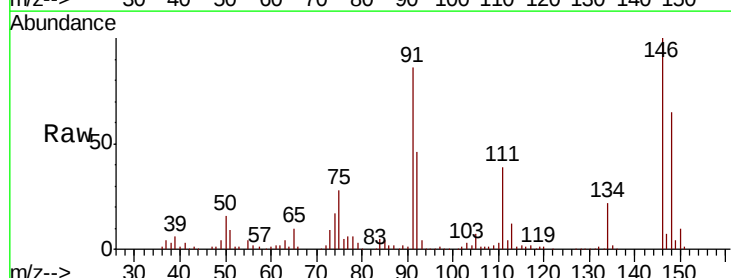
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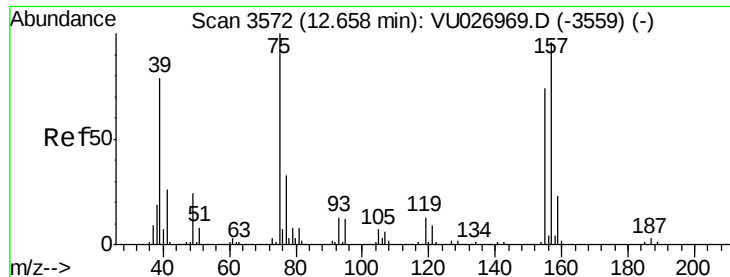
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 48.507 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU026922.D
Acq: 20 Sep 2018 01:05

Tgt Ion:146 Resp: 139878
Ion Ratio Lower Upper
146 100
111 38.9 20.3 60.8
148 64.6 32.1 96.3





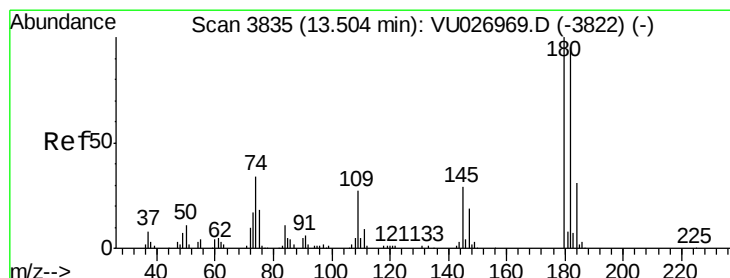
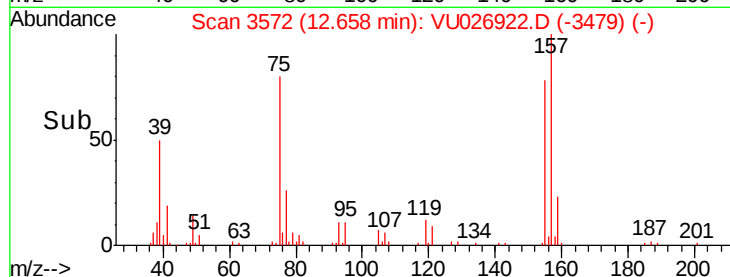
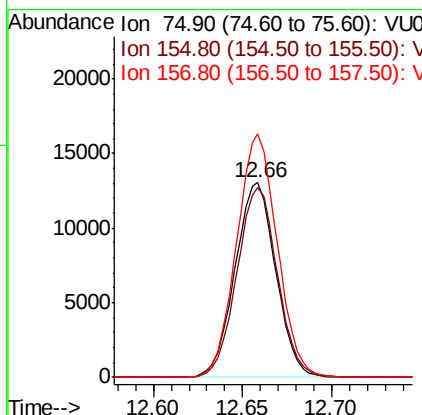
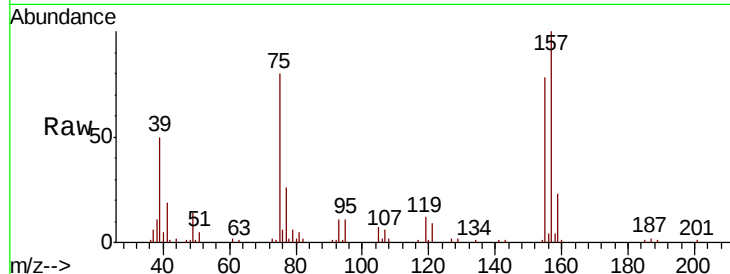
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.982 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	97.0	44.1	132.4
157	124.9	57.2	171.6

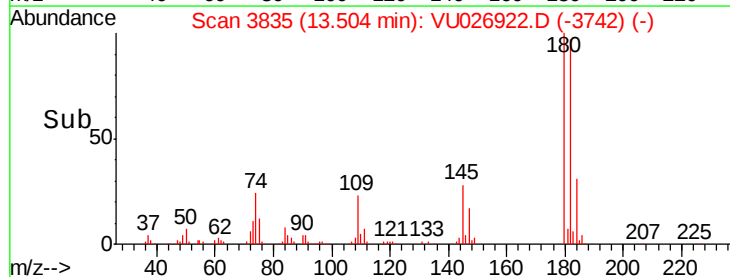
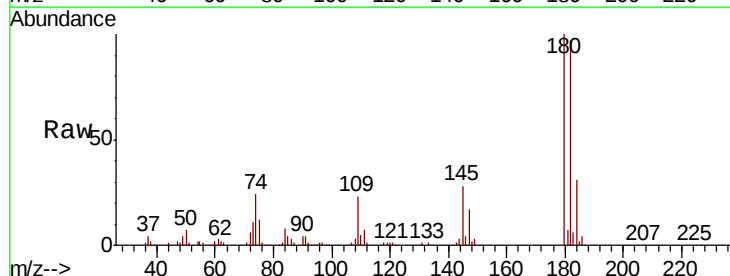
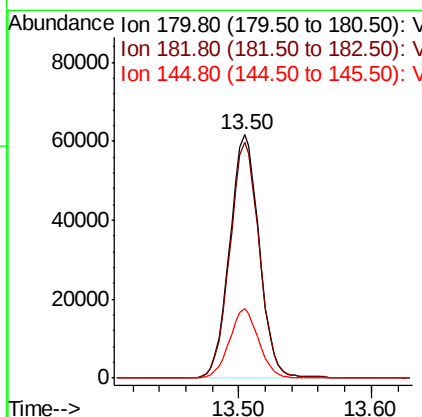
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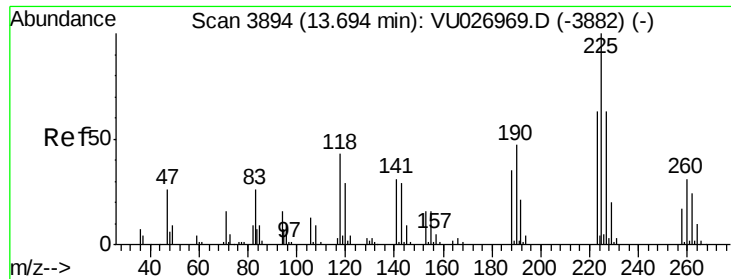
MMDadoda
 9/21/2018 4:12:32 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.819 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.7
145	28.1	14.0	42.0





#94

Hexachlorobutadiene

Concen: 51.853 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU026922.D

Acq: 20 Sep 2018 01:05

Instrument :

MSVOA_U

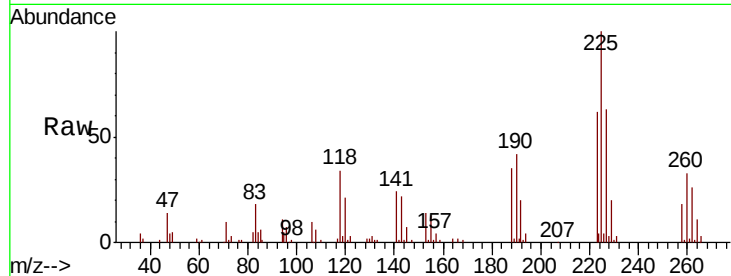
ClientSampleId :

SA-MW131D-20180912MSD

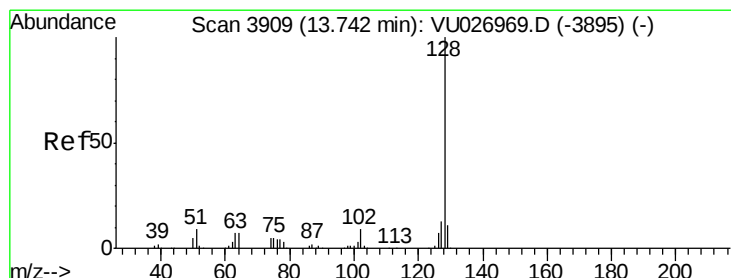
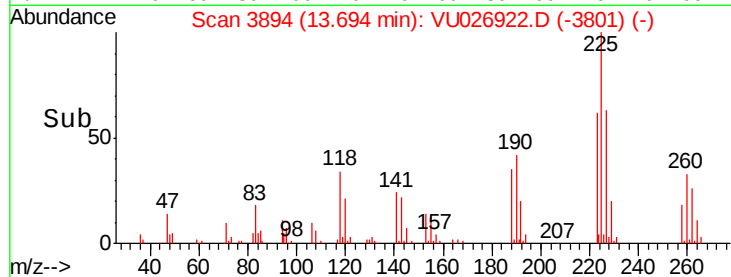
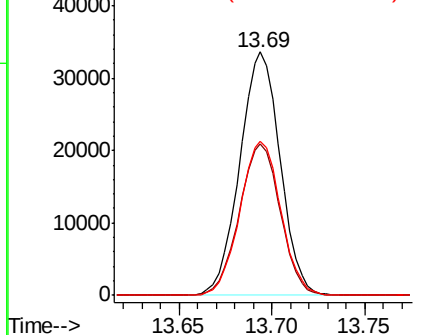
Tot Ion:	225	Resp:	51082
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.6	92.0
227	63.9	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
9/21/2018 4:12:32 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 47.321 ug/l

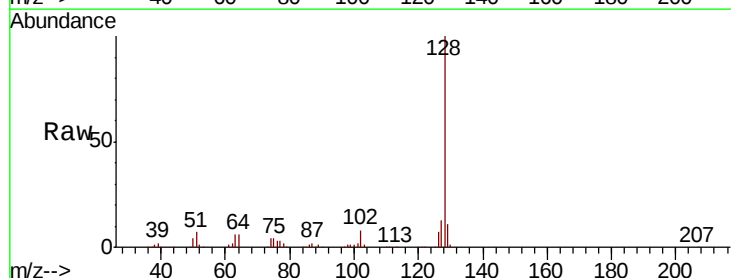
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

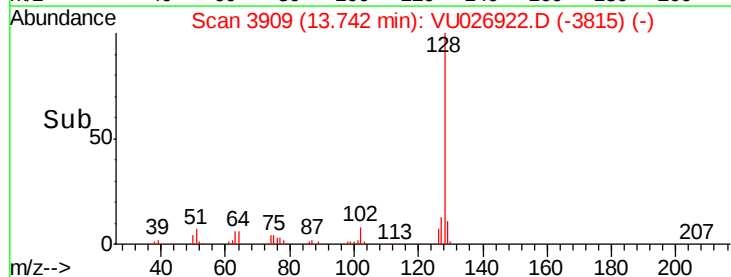
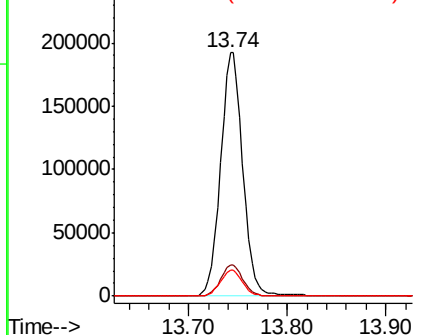
Lab File: VU026922.D

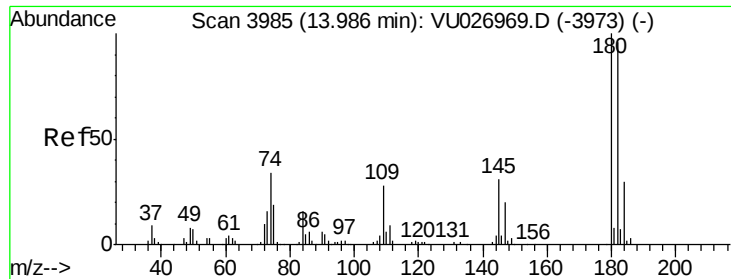
Acq: 20 Sep 2018 01:05

Tgt Ion:	128	Resp:	304482
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.5	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 52.048 ug/l
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026922.D
 Acq: 20 Sep 2018 01:05

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	28.8	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 4:12:32 PM

