

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025359.D
 Acq On : 12 Jul 2018 23:36
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:19 AM

Quant Time: Jul 13 04:43:47 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	162489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	249018	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	233911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141757	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	122756	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	4.89	113	100504	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	7.57	98	328261	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
62) 4-Bromofluorobenzene	10.31	95	137109	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	74131	44.083	ug/l	100
3) Chloromethane	1.33	50	73421	43.891	ug/l	99
4) Vinyl Chloride	1.40	62	82173	44.468	ug/l	100
5) Bromomethane	1.62	94	49612	52.902	ug/l	97
6) Chloroethane	1.69	64	55872	47.558	ug/l	99
7) Trichlorofluoromethane	1.88	101	137334	47.288	ug/l	99
8) Diethyl Ether	2.10	74	54097	49.638	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	85590	47.557	ug/l	99
10) Methyl Iodide	2.41	142	100184	49.776	ug/l	99
11) Tert butyl alcohol	2.83	59	142438	258.641	ug/l	100
12) 1,1-Dichloroethene	2.28	96	77375	46.977	ug/l	95
13) Acrolein	2.19	56	42769	117.391	ug/l	100
14) Allyl chloride	2.59	41	134398	44.993	ug/l	98
15) Acrylonitrile	2.94	53	289756	255.913	ug/l	99
16) Acetone	2.32	43	269960	210.351	ug/l	99
17) Carbon Disulfide	2.48	76	184265	38.735	ug/l	99
18) Methyl Acetate	2.62	43	147860	57.206	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	326306	52.083	ug/l	100
20) Methylene Chloride	2.70	84	96486	49.412	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	85273	45.304	ug/l	98
22) Diisopropyl ether	3.57	45	318036	52.134	ug/l	96
23) Vinyl Acetate	3.53	43	1358680	253.892	ug/l	99
24) 1,1-Dichloroethane	3.45	63	177306	51.536	ug/l	100
25) 2-Butanone	4.26	43	422233	241.309	ug/l	99
26) 2,2-Dichloropropane	4.23	77	134459	40.647	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	105027	48.226	ug/l	100
28) Bromochloromethane	4.55	49	83440	50.225	ug/l	99
29) Tetrahydrofuran	4.63	42	264028	251.568	ug/l	100
30) Chloroform	4.68	83	188023	51.606	ug/l	99
31) Cyclohexane	5.00	56	148652	46.673	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	169836	51.436	ug/l	100
36) 1,1-Dichloropropene	5.14	75	128662	46.475	ug/l	99
37) Ethyl Acetate	4.38	43	155743	50.444	ug/l	100
38) Carbon Tetrachloride	5.14	117	145929	48.974	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	151105	43.758	ug/l	99
40) Benzene	5.39	78	383857	48.114	ug/l	98
41) Methacrylonitrile	4.54	41	86494	50.529	ug/l	98
42) 1,2-Dichloroethane	5.41	62	158338	49.928	ug/l	100
43) Isopropyl Acetate	5.55	43	248529	50.267	ug/l	100
44) Trichloroethene	6.19	130	104484	45.611	ug/l	99
45) 1,2-Dichloropropane	6.44	63	106346	50.893	ug/l	99
46) Dibromomethane	6.56	93	74351	48.893	ug/l	100
47) Bromodichloromethane	6.76	83	142796	50.549	ug/l	99
48) Methyl methacrylate	6.62	41	125909	51.083	ug/l	99
49) 1,4-Dioxane	6.62	88	60604	1021.848	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	820516	255.334	ug/l	100
52) Toluene	7.64	92	247224	48.707	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	146995	47.360	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	159117	48.169	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	107470	50.840	ug/l	97
56) Ethyl methacrylate	8.02	69	164931	49.954	ug/l	98
57) 1,3-Dichloropropane	8.25	76	175657	50.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	300833	203.365	ug/l	100
59) 2-Hexanone	8.36	43	644287	247.178	ug/l	99
60) Dibromochloromethane	8.48	129	117605	51.515	ug/l	100
61) 1,2-Dibromoethane	8.59	107	114926	50.810	ug/l	99
64) Tetrachloroethene	8.23	164	97364	45.663	ug/l	99
65) Chlorobenzene	9.12	112	285072	48.786	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	108998	52.146	ug/l	99
67) Ethyl Benzene	9.25	91	484972	48.682	ug/l	99
68) m/p-Xylenes	9.38	106	372323	96.672	ug/l	97
69) o-Xylene	9.78	106	187902	48.731	ug/l	96
70) Styrene	9.80	104	307988	50.285	ug/l	100
71) Bromoform	9.96	173	88993	44.587	ug/l #	97
73) Isopropylbenzene	10.17	105	512473	47.315	ug/l	100
74) N-amyl acetate	10.01	43	222236	50.126	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	178082	50.256	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	159705m	54.473	ug/l	
77) Bromobenzene	10.45	156	132147	47.691	ug/l	99
78) n-propylbenzene	10.59	91	574357	47.788	ug/l	100
79) 2-Chlorotoluene	10.66	91	354529	51.370	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	441270	48.418	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	52507m	46.493	ug/l	
82) 4-Chlorotoluene	10.78	91	399471	46.939	ug/l	100
83) tert-Butylbenzene	11.10	119	446301	48.460	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	447244	47.882	ug/l	99
85) sec-Butylbenzene	11.33	105	529429	48.823	ug/l	100
86) p-Isopropyltoluene	11.48	119	464318	48.358	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	240593	47.510	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	241328	48.825	ug/l	99
89) n-Butylbenzene	11.89	91	372982	47.255	ug/l	99
90) Hexachloroethane	12.15	117	78728	48.424	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	254238	49.711	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	45230	52.627	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	157303	46.200	ug/l	99
94) Hexachlorobutadiene	13.70	225	85382	46.679	ug/l	99
95) Naphthalene	13.74	128	517929	49.773	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	169104	48.703	ug/l	99

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

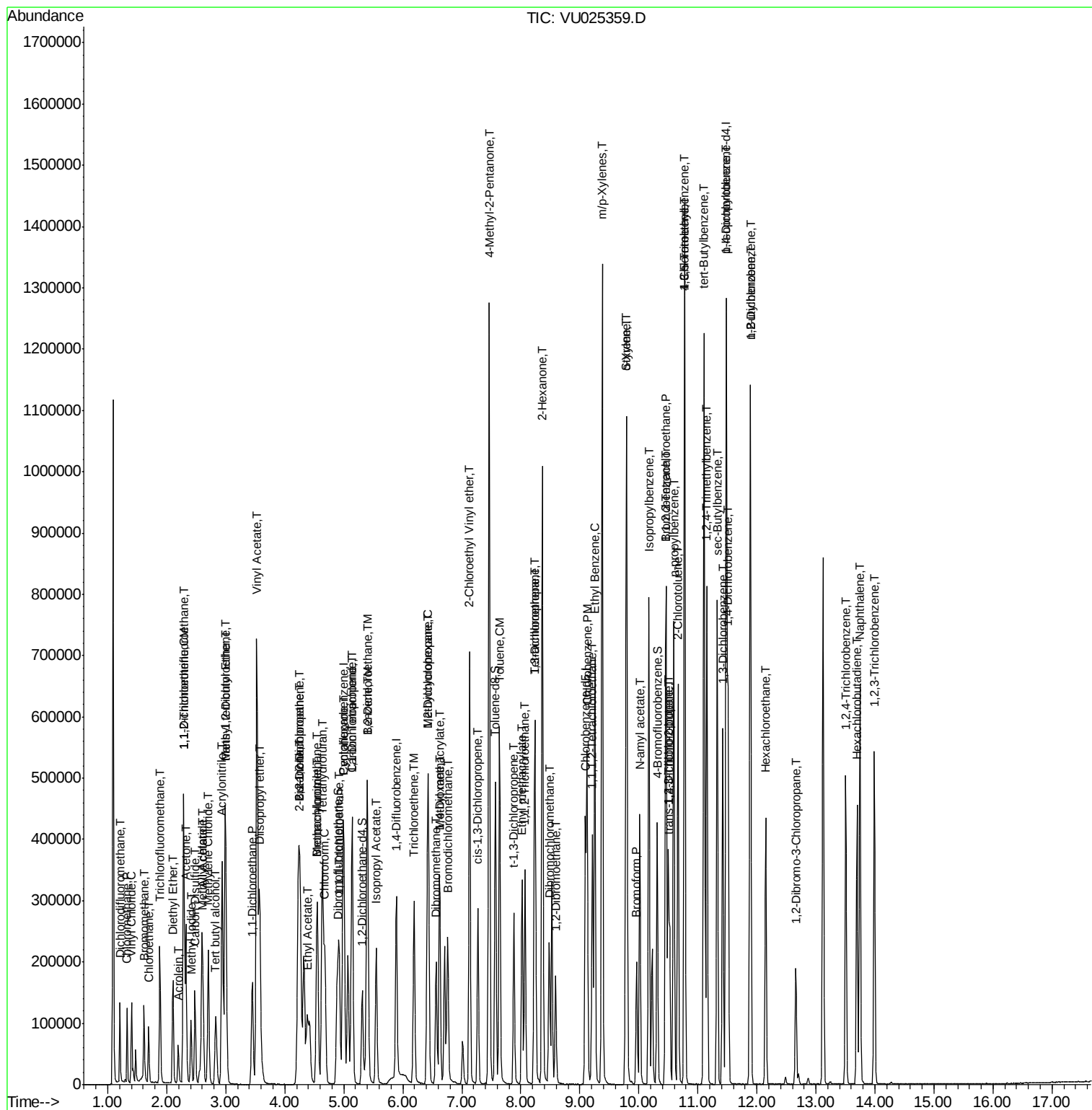
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071218\
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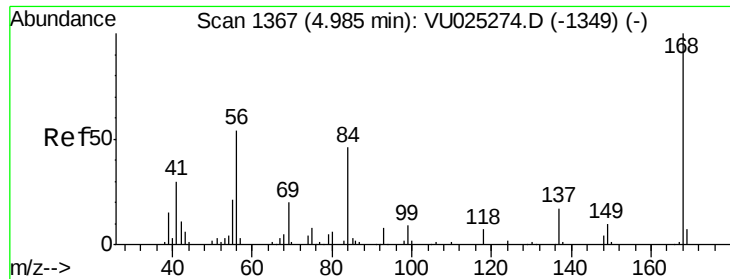
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 162489

Ion Ratio Lower Upper

168 100

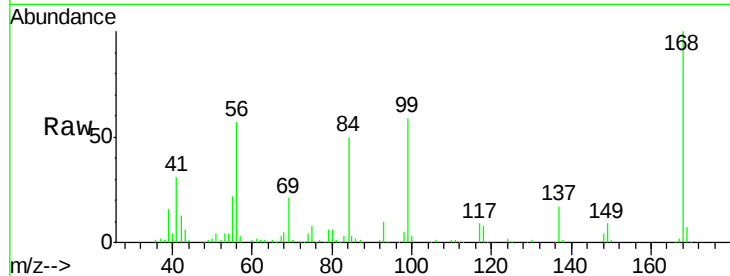
99 58.8 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

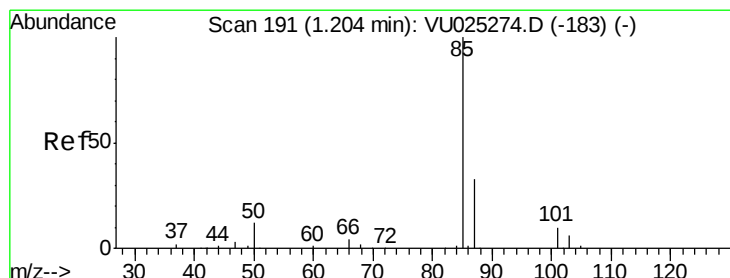
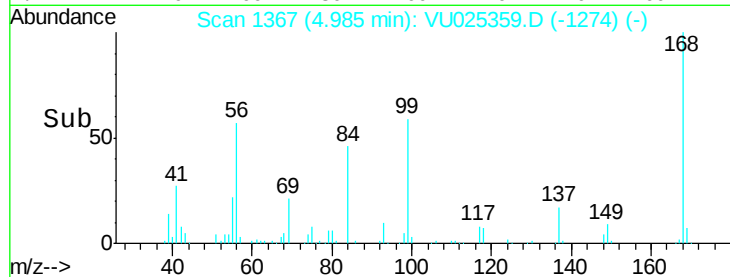
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.083 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025359.D

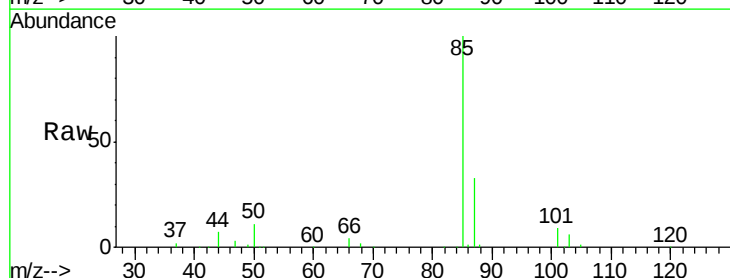
Acq: 12 Jul 2018 23:36

Tgt Ion: 85 Resp: 74131

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.20

80000

60000

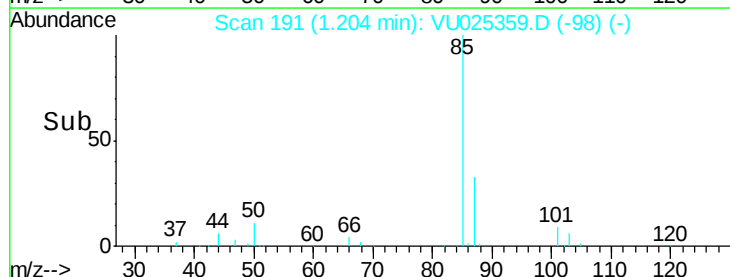
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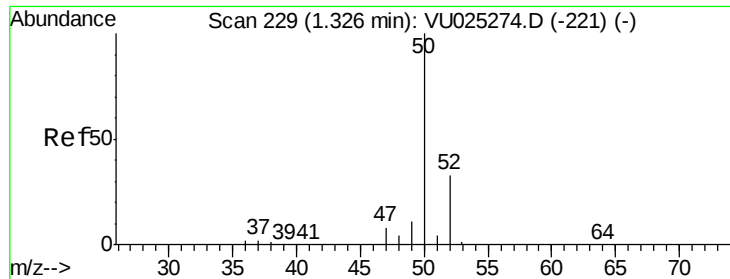
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.891 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 73421

Ion Ratio Lower Upper

50 100

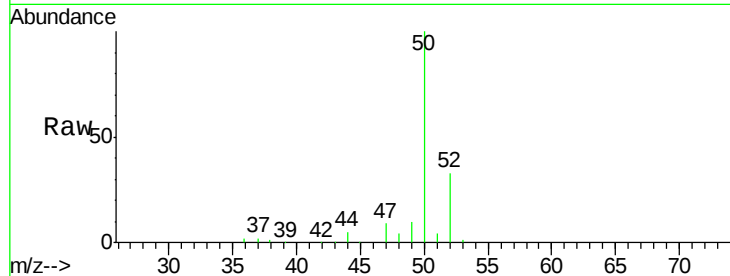
52 32.8 26.5 39.7

Manual Integrations

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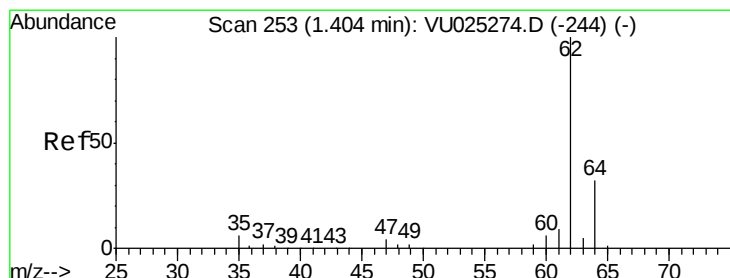
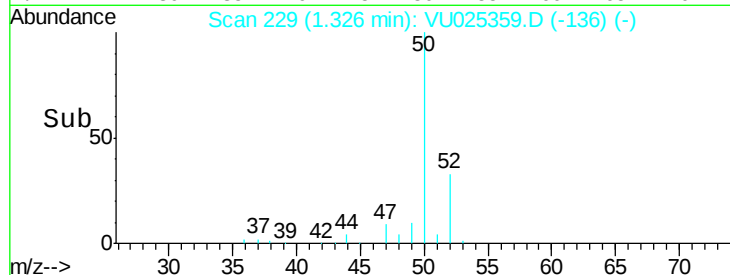
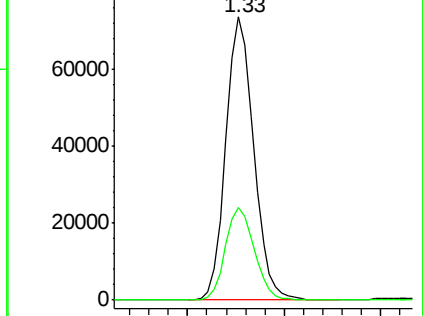
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 44.468 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025359.D

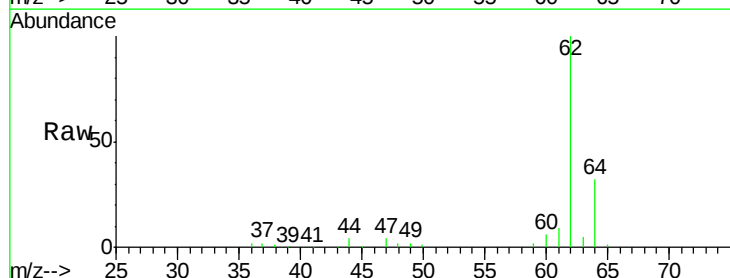
Acq: 12 Jul 2018 23:36

Tgt Ion: 62 Resp: 82173

Ion Ratio Lower Upper

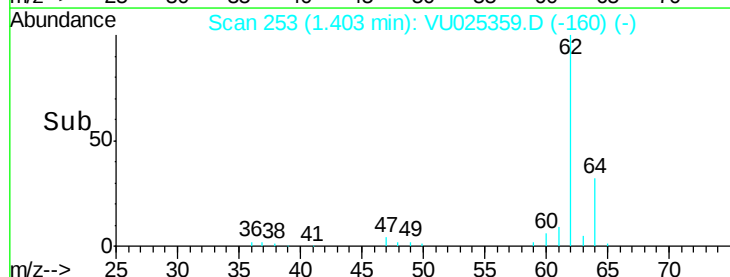
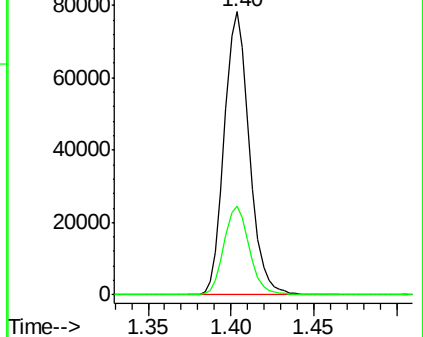
62 100

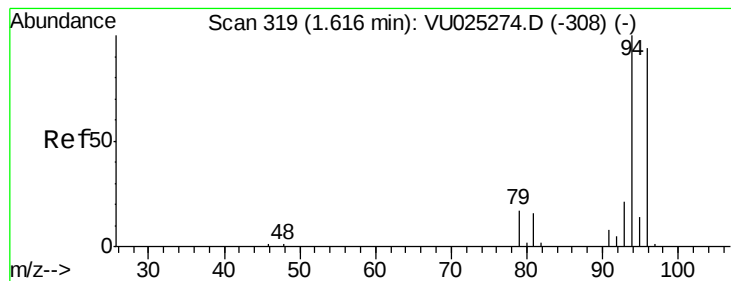
64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 52.902 ug/l

RT: 1.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 49612

Ion Ratio Lower Upper

94 100

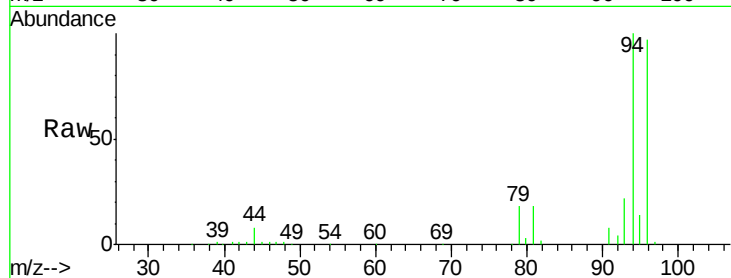
96 96.9 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

40000

30000

20000

10000

0

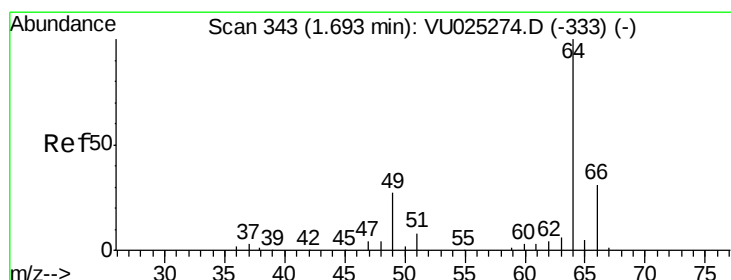
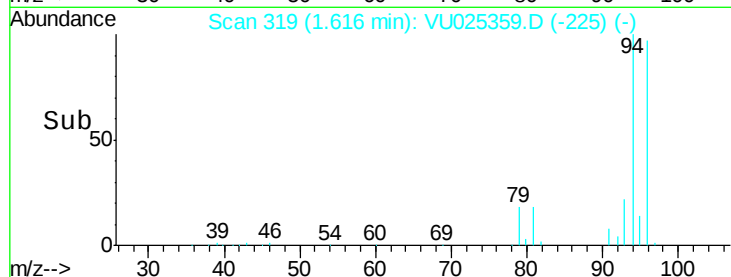
Time-->

1.55

1.60

1.65

1.70



#6

Chloroethane

Concen: 47.558 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025359.D

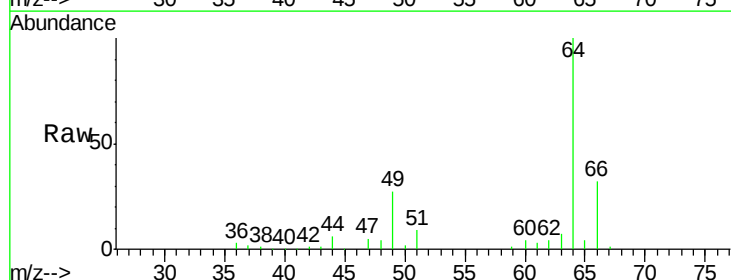
Acq: 12 Jul 2018 23:36

Tgt Ion: 64 Resp: 55872

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

40000

30000

20000

10000

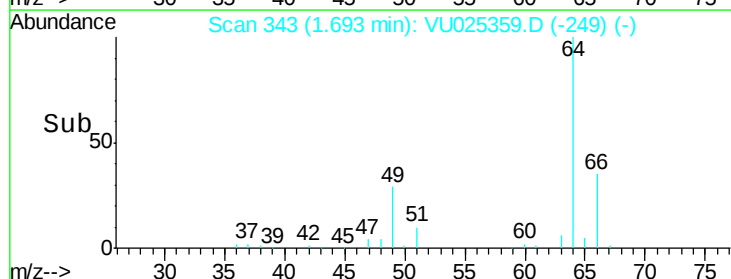
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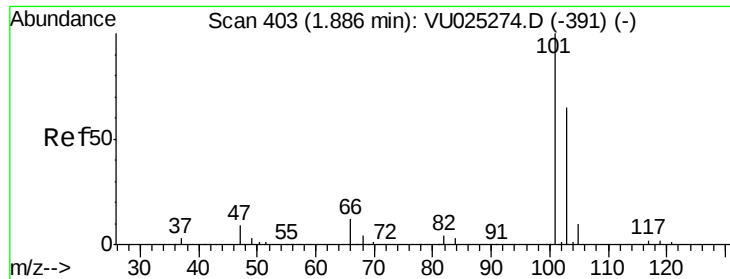
Time-->

1.65

1.70

1.75





#7

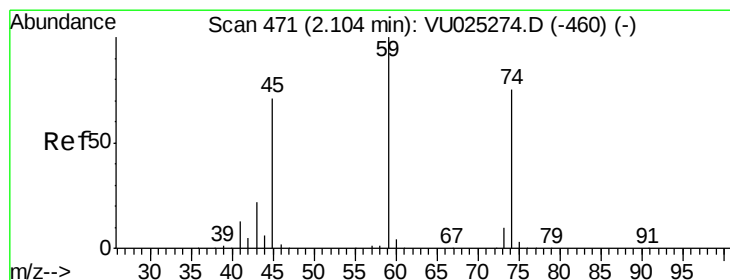
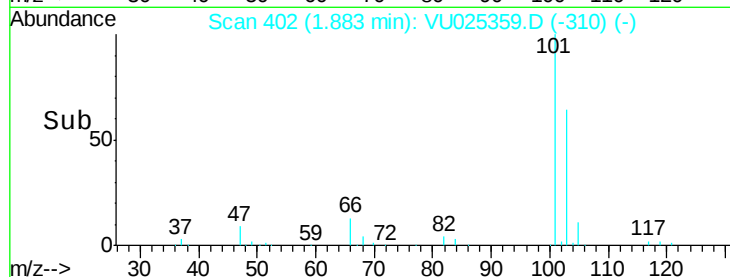
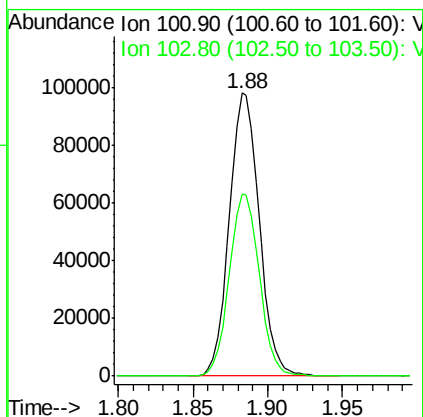
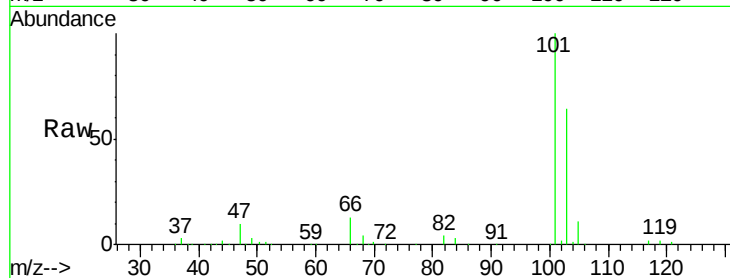
Trichlorofluoromethane
 Concen: 47.288 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

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Tot Ion	101	Resp	137334
Ion Ratio	Lower	Upper	
101	100		
103	64.2	52.2	78.2

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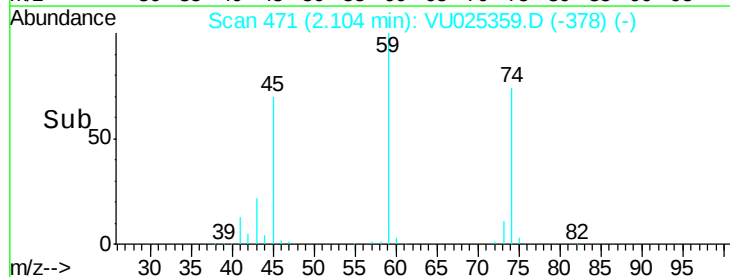
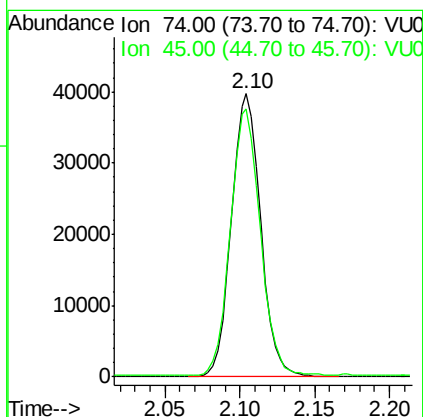
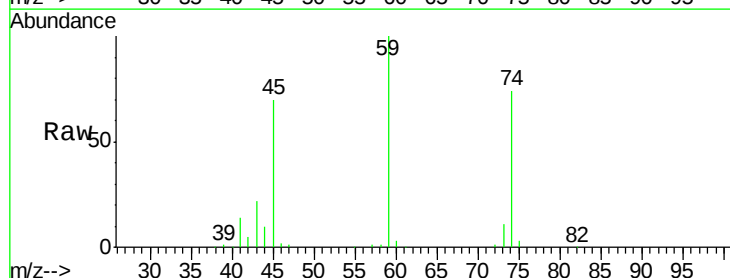
MMDadoda
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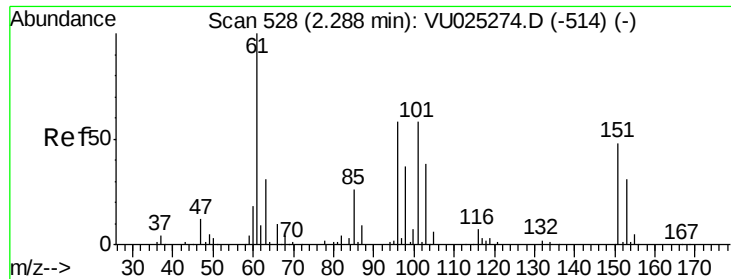


#8

Diethyl Ether
 Concen: 49.638 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. -0.00 min
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Tgt Ion	74	Resp	54097
Ion Ratio	Lower	Upper	
74	100		
45	95.8	48.3	144.9





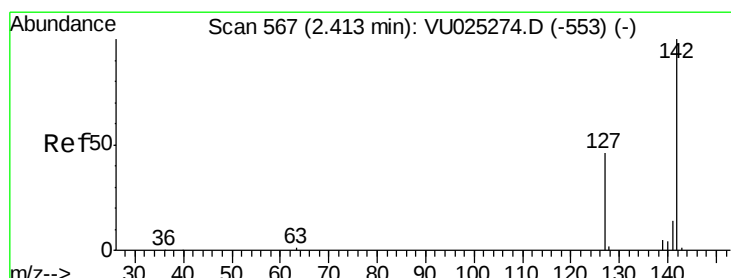
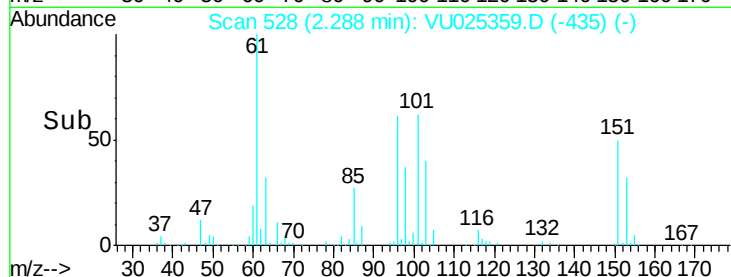
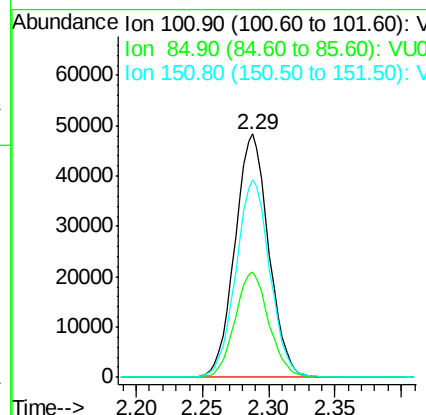
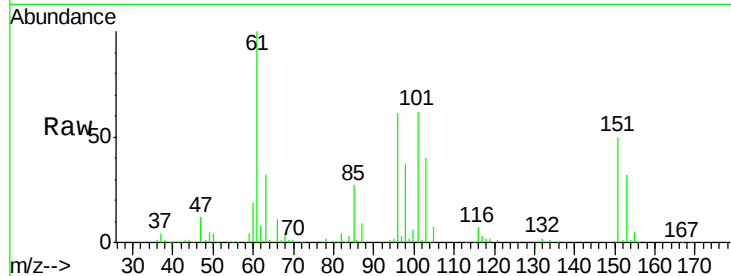
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.557 ug/l
RT: 2.29 min Scan# 528
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	85590		
85	43.2	36.0	54.0	
151	81.7	65.6	98.4	

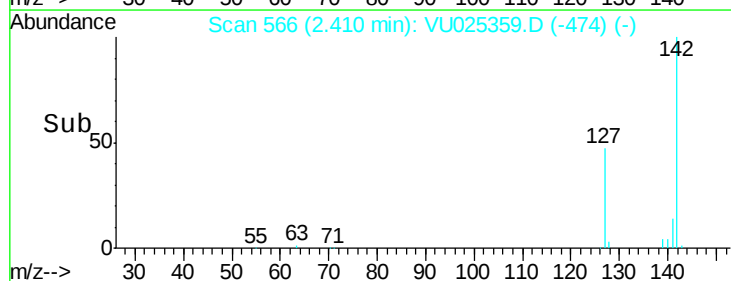
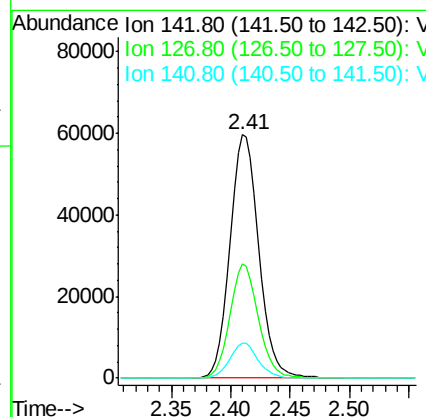
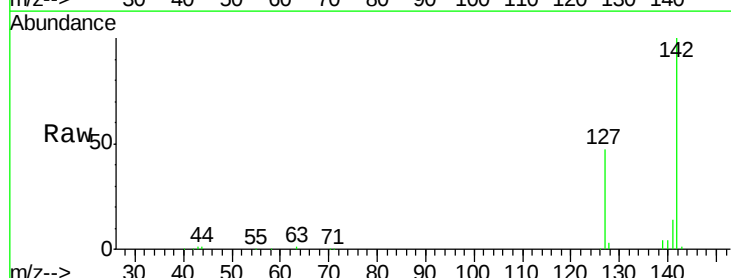
Manual Integrations
APPROVED

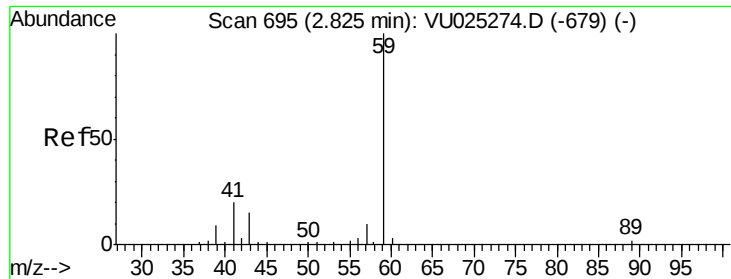
MMDadoda
7/13/2018 11:44:19 AM



#10
Methyl Iodide
Concen: 49.776 ug/l
RT: 2.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	100184		
127	46.1	36.5	54.7	
141	14.2	11.4	17.2	





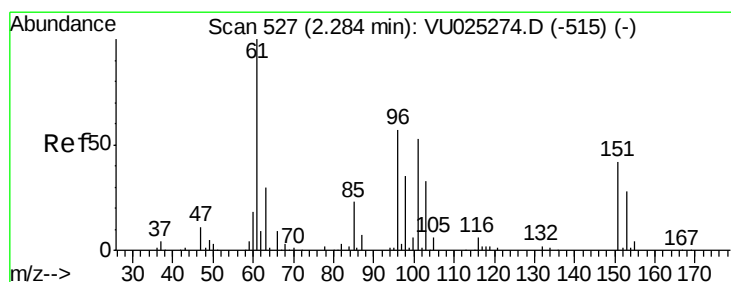
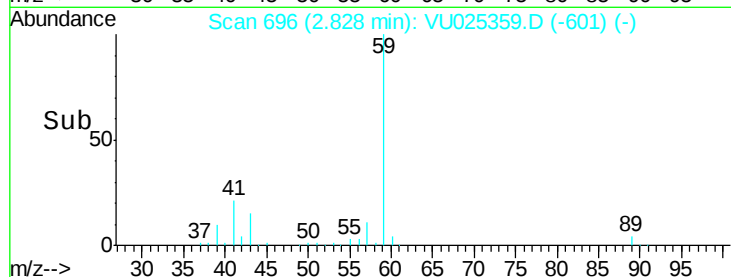
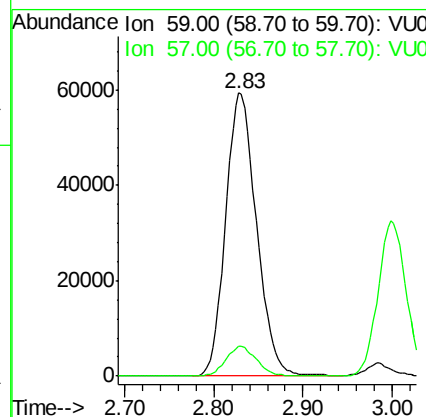
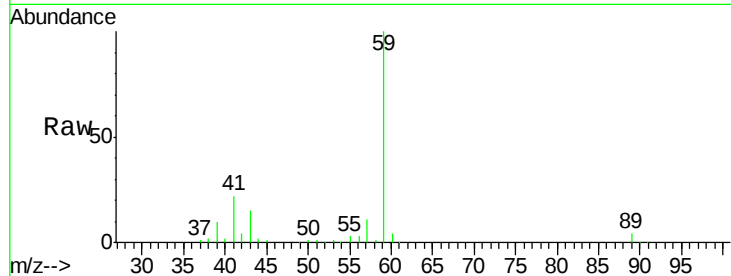
#11
Tert butyl alcohol
Concen: 258.641 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

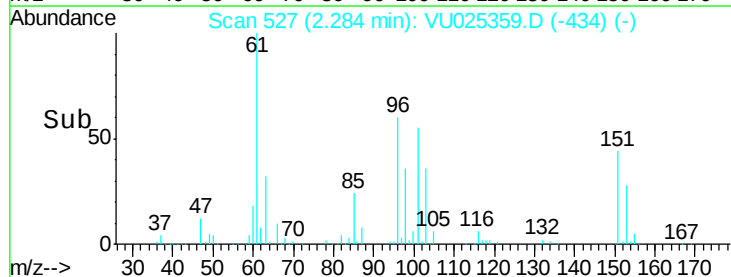
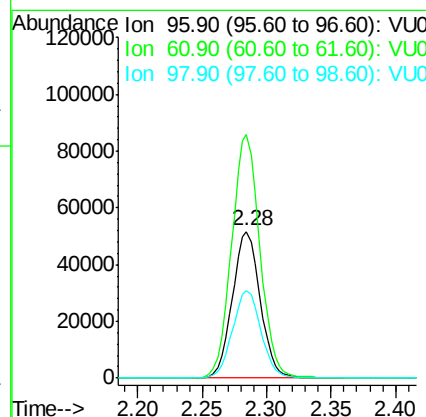
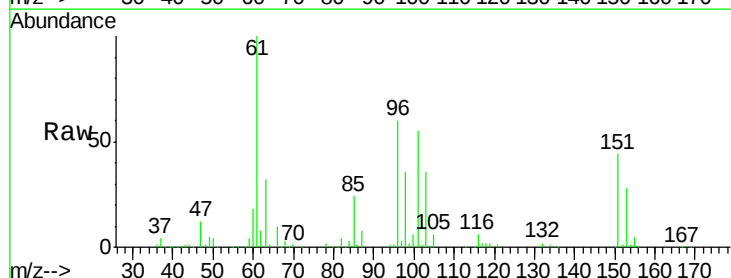
Manual Integrations
APPROVED

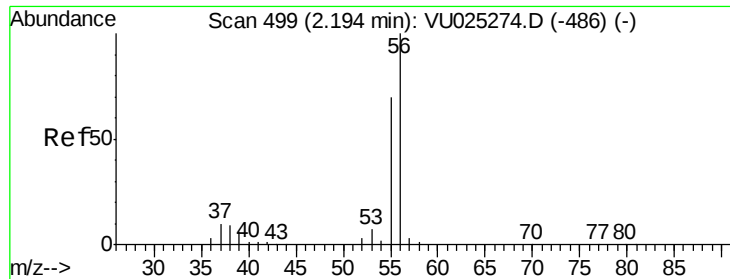
MMDadoda
7/13/2018 11:44:19 AM



#12
1,1-Dichloroethene
Concen: 46.977 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.4	140.2	210.4
98	60.0	49.3	73.9





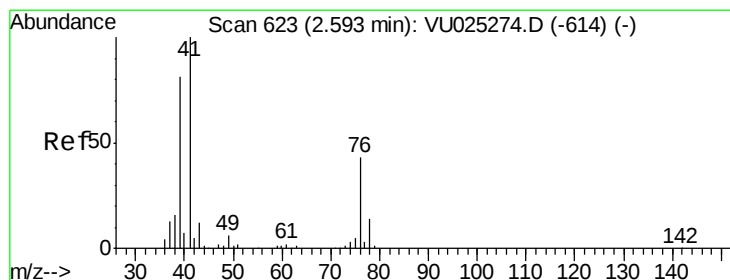
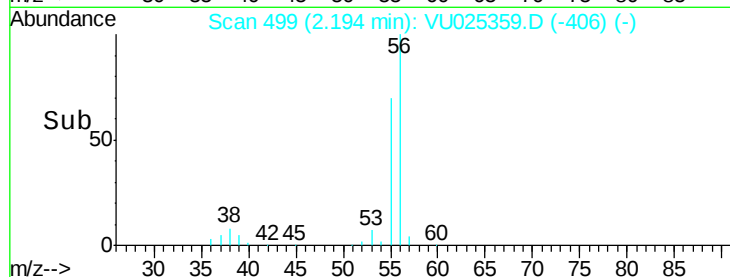
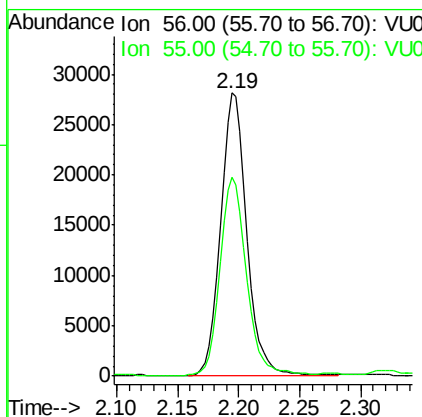
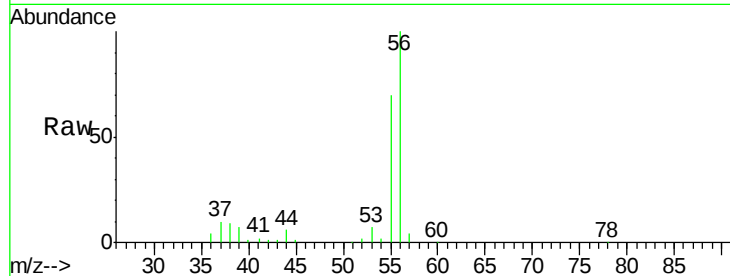
#13
Acrolein
Concen: 117.391 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	71.6	Resp	42769	Lower	57.2	Upper	85.8
Ion	56	55	Ratio	100	71.6	Resp	42769	Lower	57.2	Upper	85.8

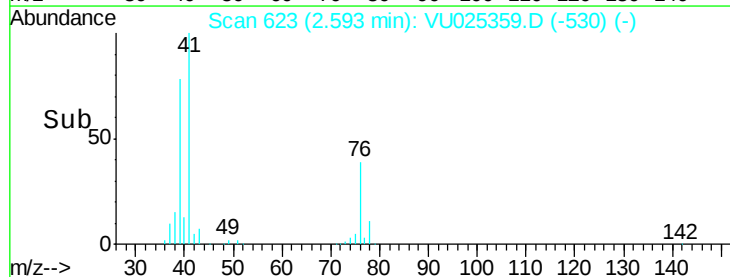
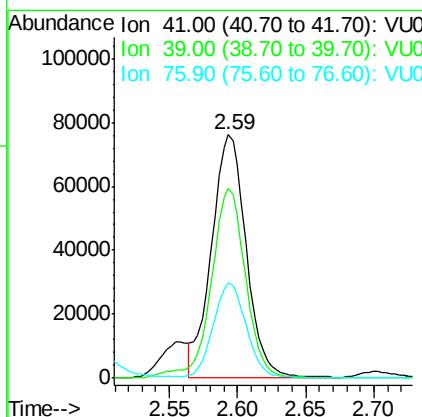
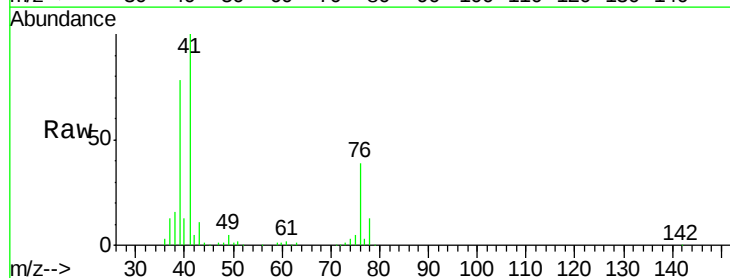
Manual Integrations
APPROVED

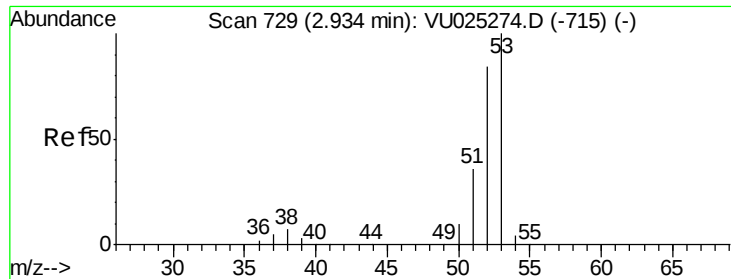
MMDadoda
7/13/2018 11:44:19 AM



#14
Allyl chloride
Concen: 44.993 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	41	39	76	Ratio	100	77.4	36.9	Resp	134398	Lower	60.6	30.5	Upper	91.0	45.7
Ion	41	39	76	Ratio	100	77.4	36.9	Resp	134398	Lower	60.6	30.5	Upper	91.0	45.7





#15

Acrylonitrile

Concen: 255.913 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

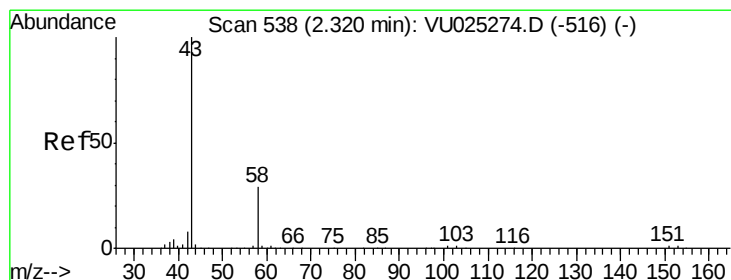
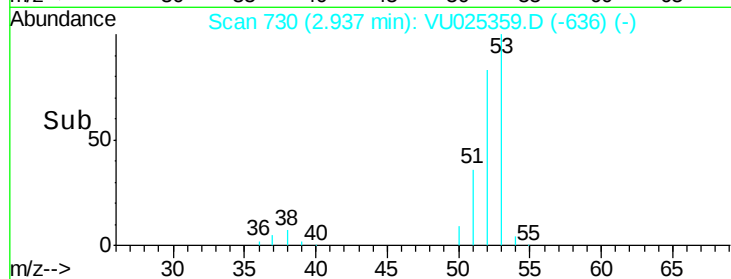
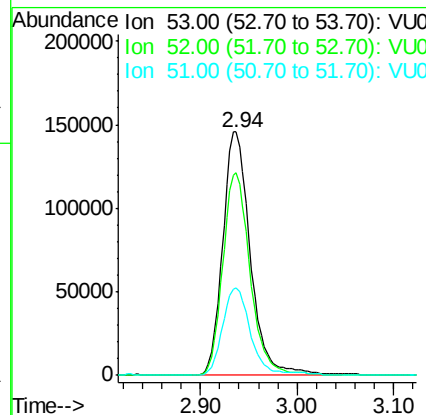
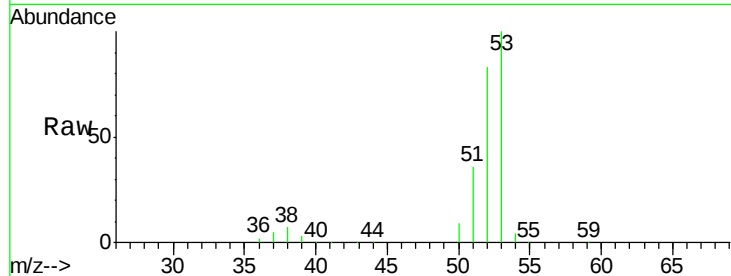
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	289756
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.6	99.8
51	36.9	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 210.351 ug/l

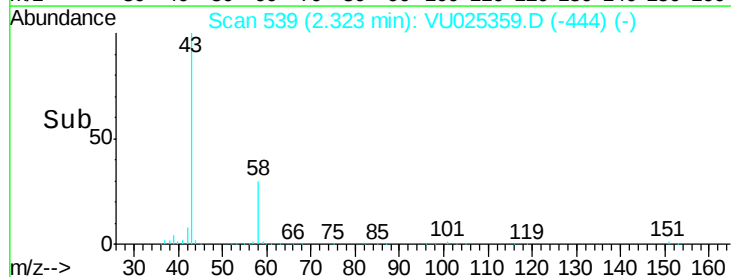
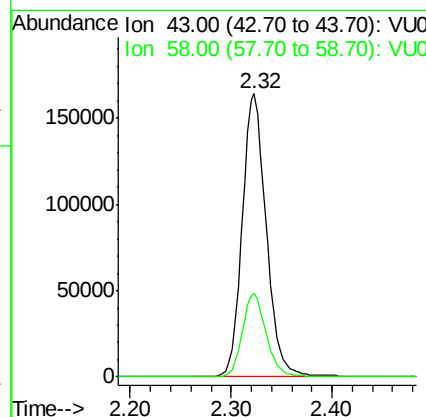
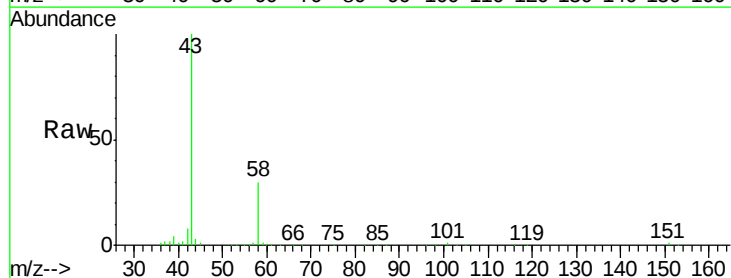
RT: 2.32 min Scan# 539

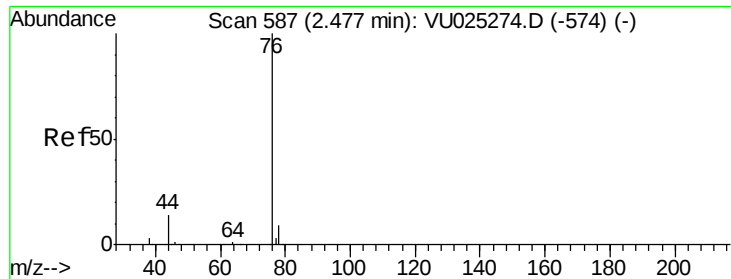
Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Tgt Ion:	43	Resp:	269960
Ion Ratio	Lower	Upper	
43	100		
58	29.6	23.1	34.7





#17

Carbon Disulfide

Concen: 38.735 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 184265

Ion Ratio Lower Upper

76 100

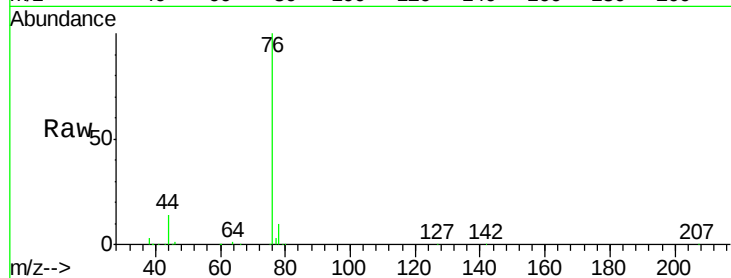
78 9.8 7.4 11.2

Manual Integrations

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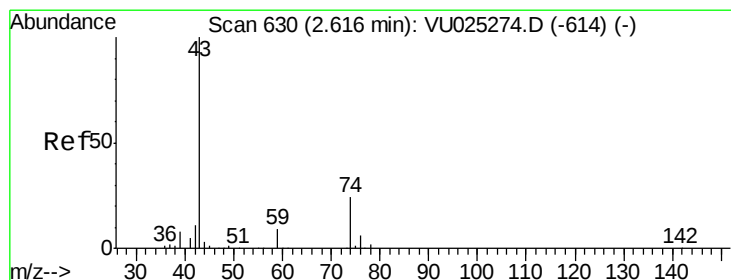
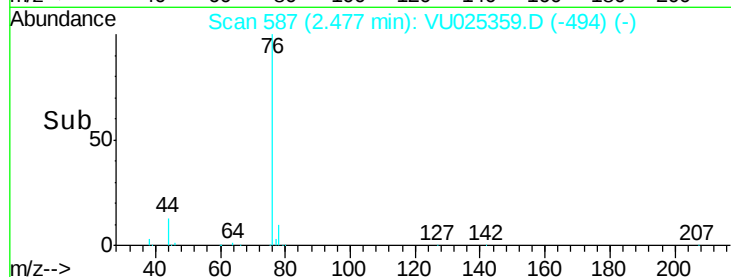
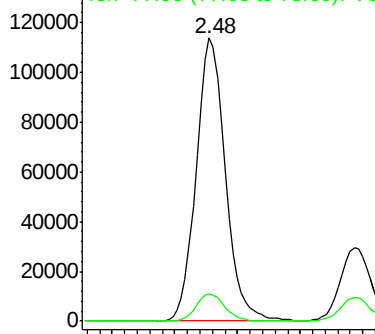
MMDadoda

7/13/2018 11:44:19 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 57.206 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025359.D

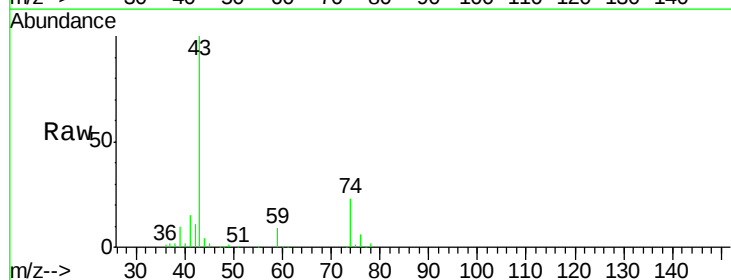
Acq: 12 Jul 2018 23:36

Tgt Ion: 43 Resp: 147860

Ion Ratio Lower Upper

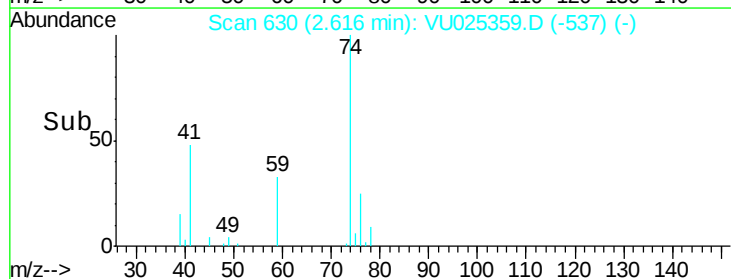
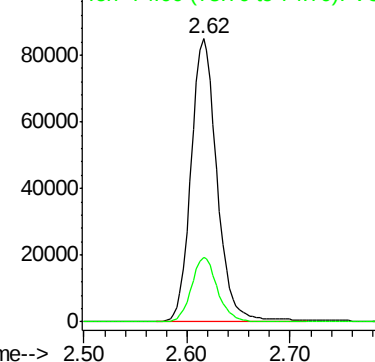
43 100

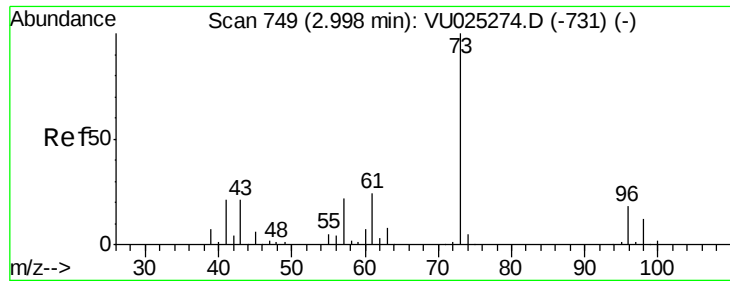
74 22.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





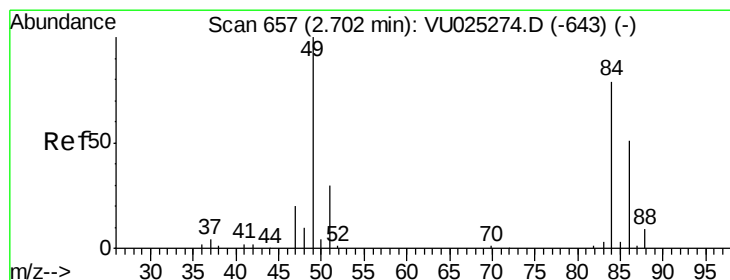
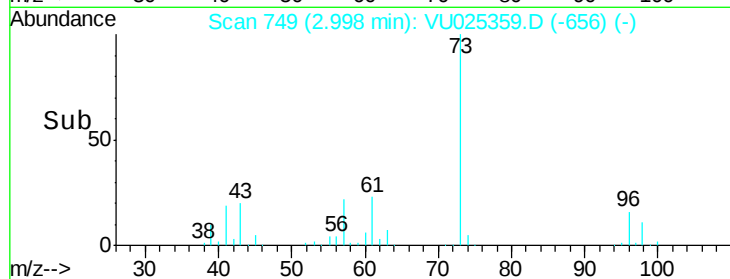
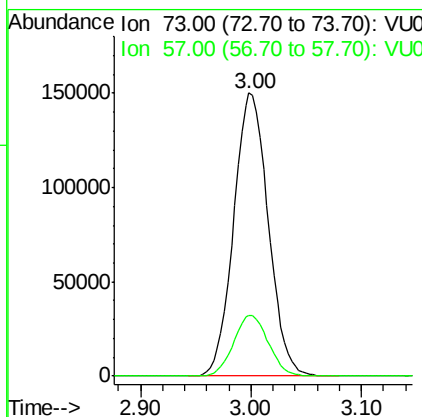
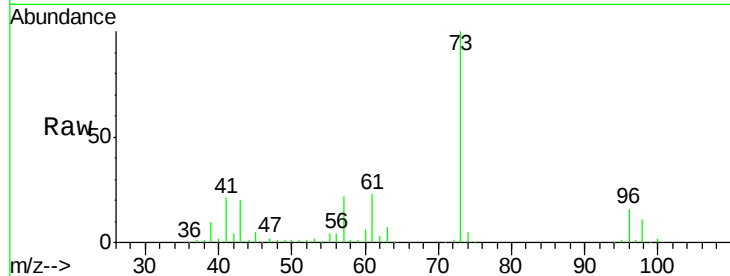
#19
Methvl tert-butvl Ether
Concen: 52.083 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 326306
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2

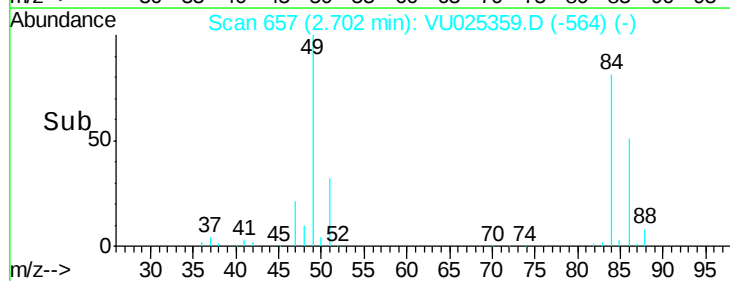
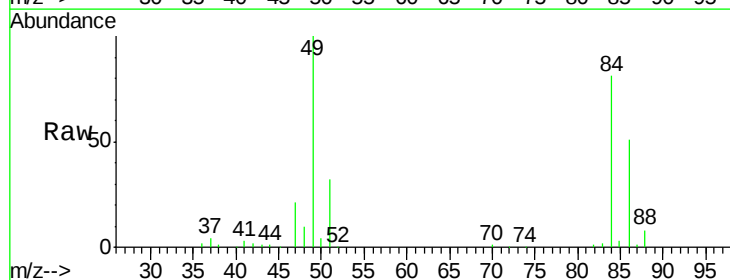
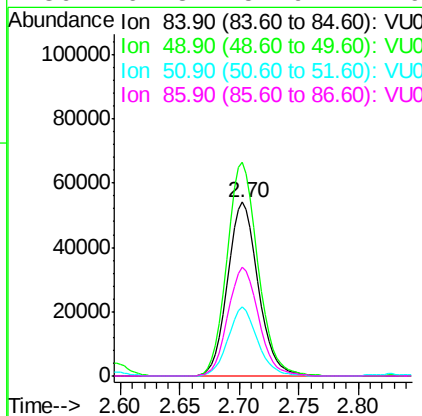
Manual Integrations
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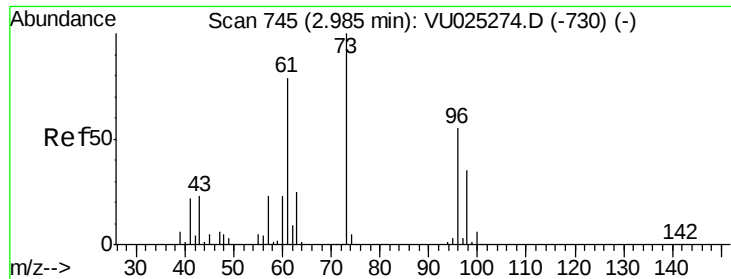
MMDadoda
7/13/2018 11:44:19 AM



#20
Methylene Chloride
Concen: 49.412 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 84 Resp: 96486
Ion Ratio Lower Upper
84 100
49 123.1 101.8 152.6
51 39.8 30.8 46.2
86 62.8 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.304 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 85273

Ion Ratio Lower Upper

96 100

61 146.0 114.5 171.7

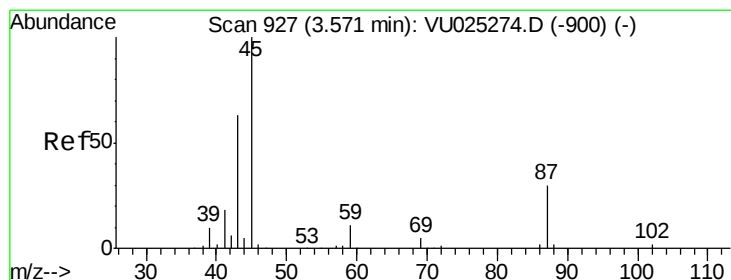
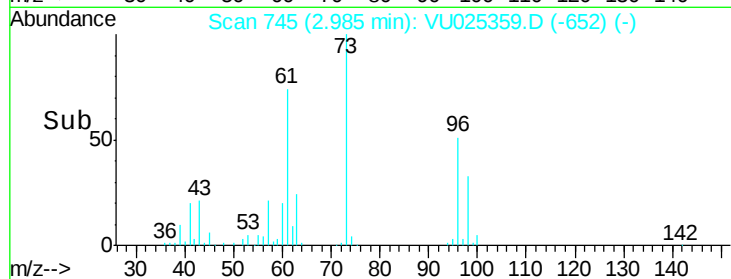
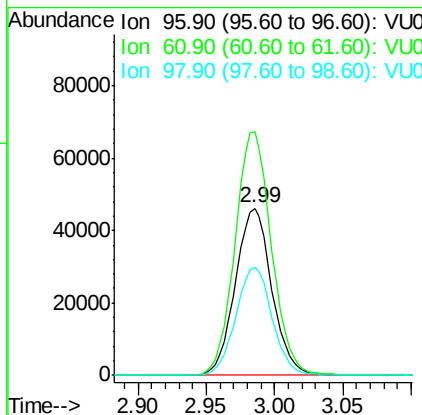
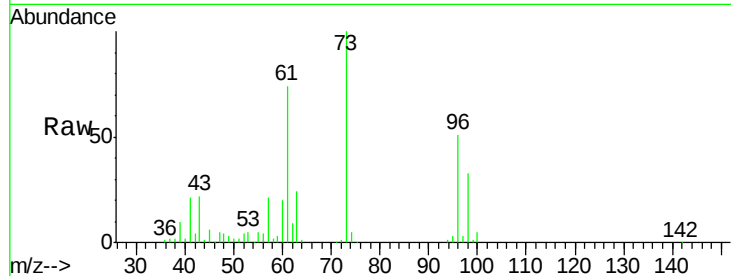
98 64.8 50.5 75.7

Manual Integrations

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MMDadoda

7/13/2018 11:44:19 AM



#22

Diisopropyl ether

Concen: 52.134 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Tgt Ion: 45 Resp: 318036

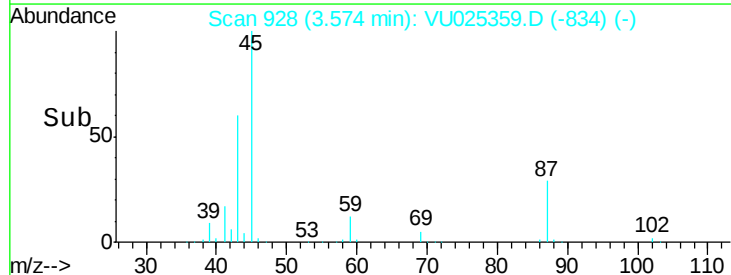
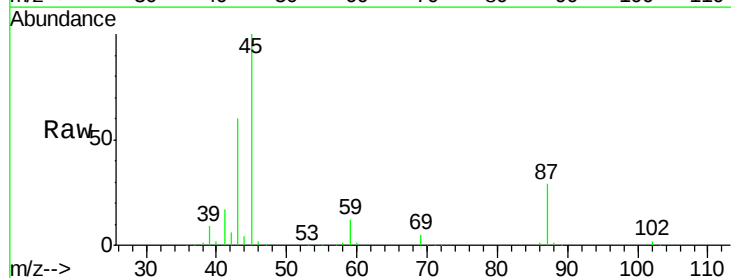
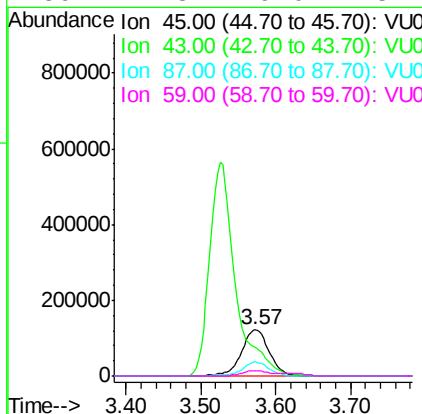
Ion Ratio Lower Upper

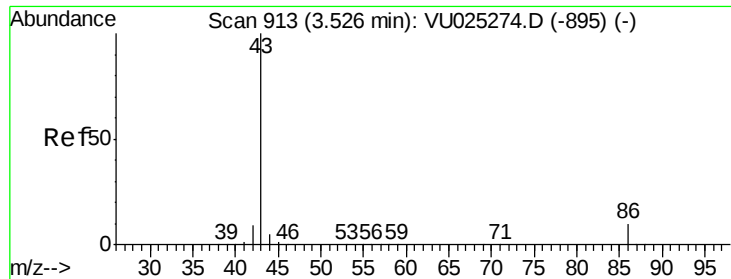
45 100

43 59.4 50.9 76.3

87 29.3 23.8 35.8

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 253.892 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1358680

Ion Ratio Lower Upper

43 100

86 10.4

8.2

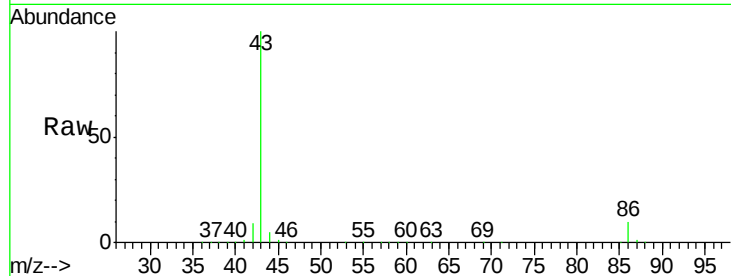
12.2

Manual Integrations

APPROVED

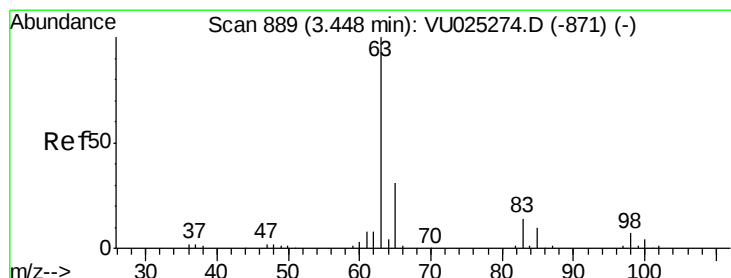
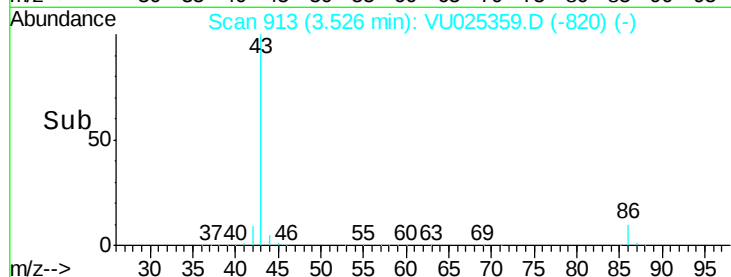
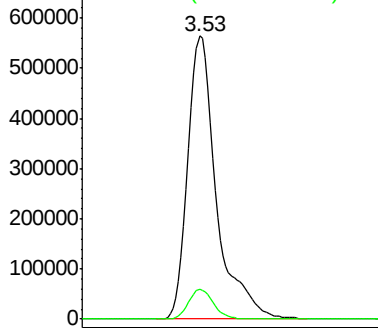
MMDadoda

7/13/2018 11:44:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 51.536 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Tgt Ion: 63 Resp: 177306

Ion Ratio Lower Upper

63 100

98 6.7

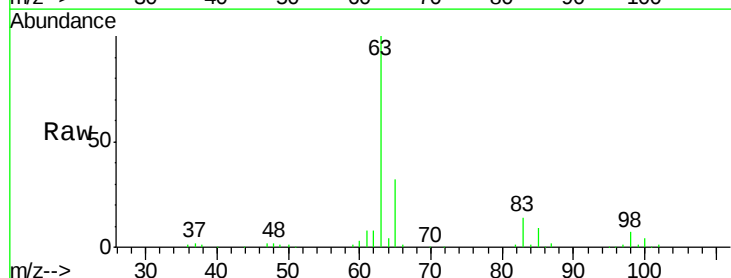
3.4

10.1

100 4.2

2.0

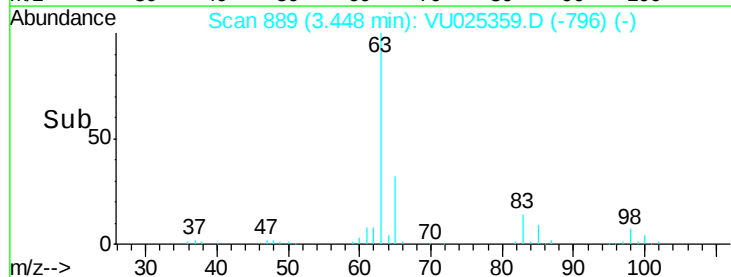
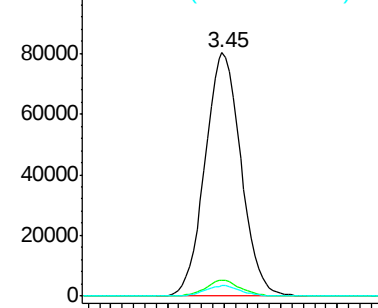
6.0

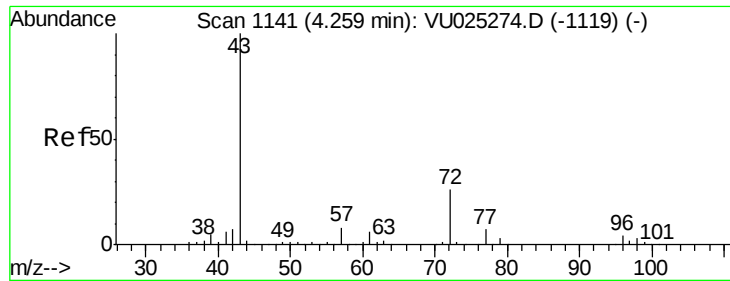


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 241.309 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 422233

Ion Ratio Lower Upper

43 100

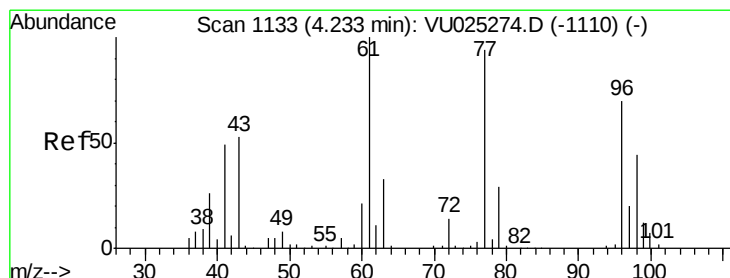
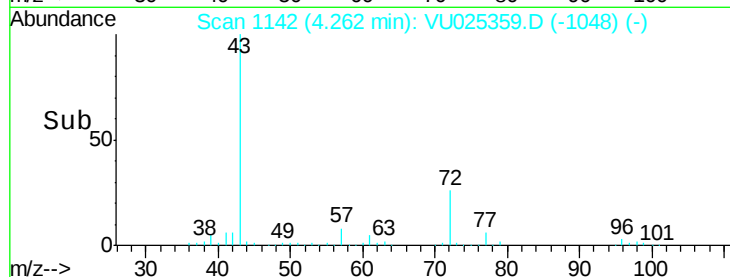
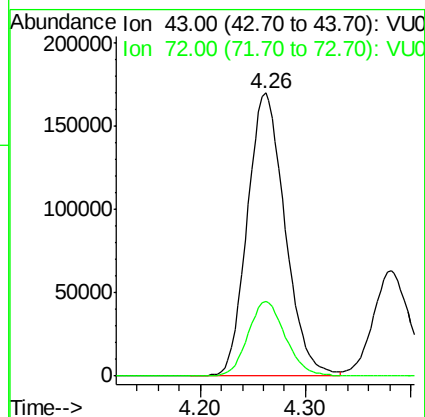
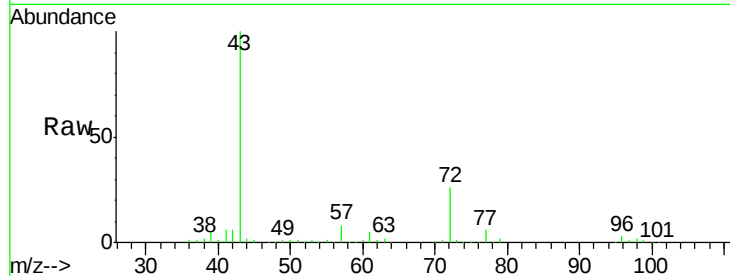
72 26.5 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 40.647 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025359.D

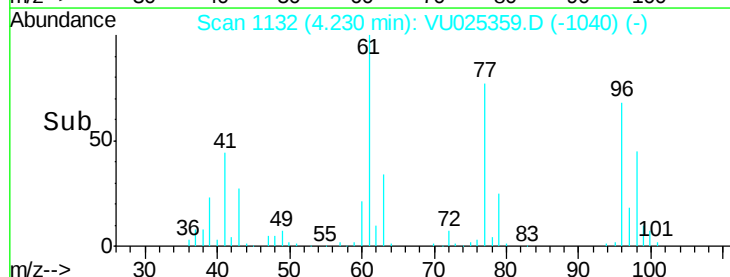
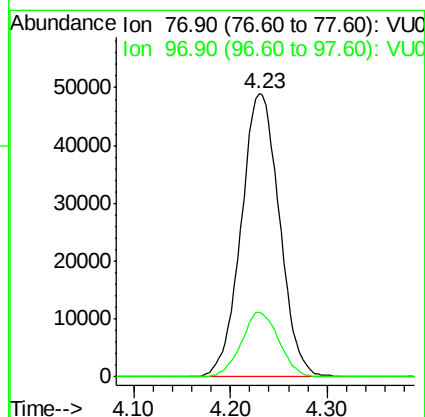
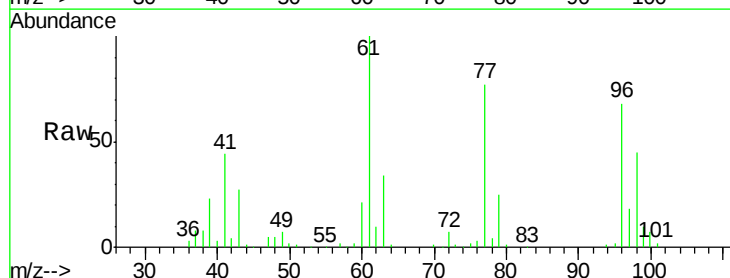
Acq: 12 Jul 2018 23:36

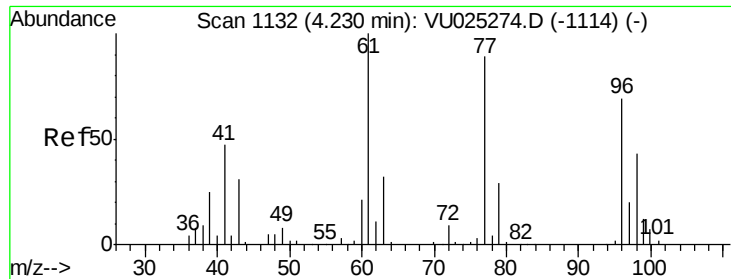
Tgt Ion: 77 Resp: 134459

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5





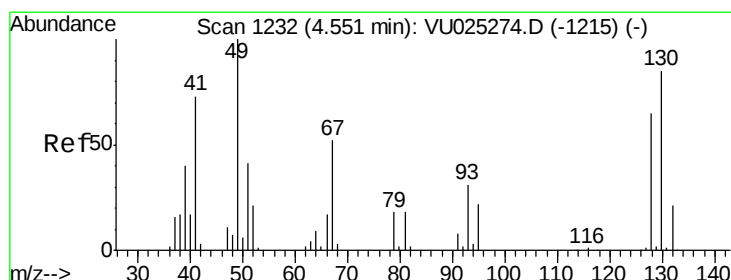
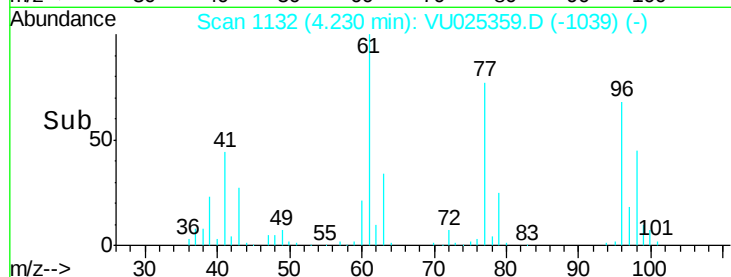
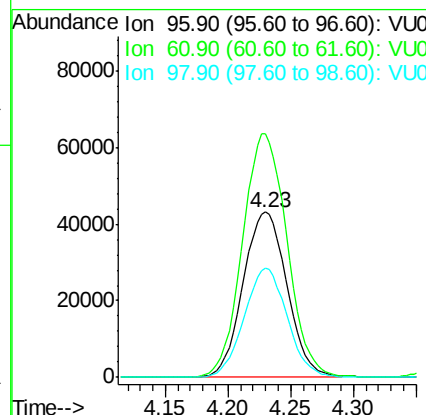
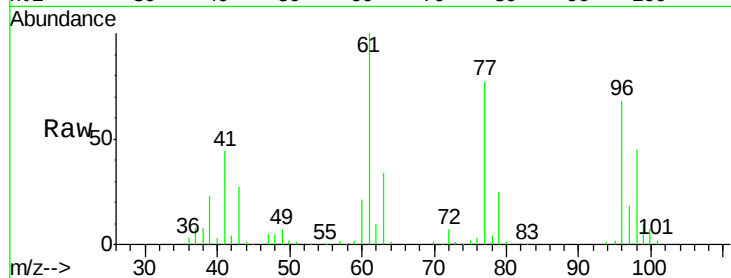
#27
 cis-1,2-Dichloroethene
 Concen: 48.226 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	299.8
98	65.0	0.0	128.6

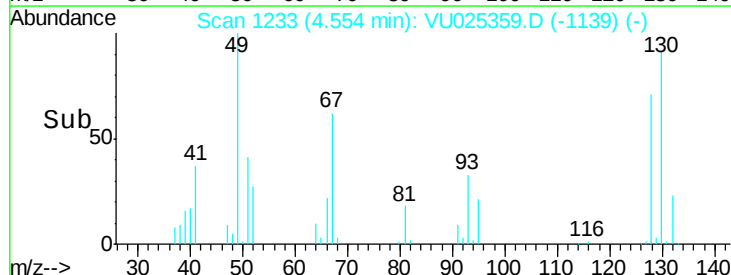
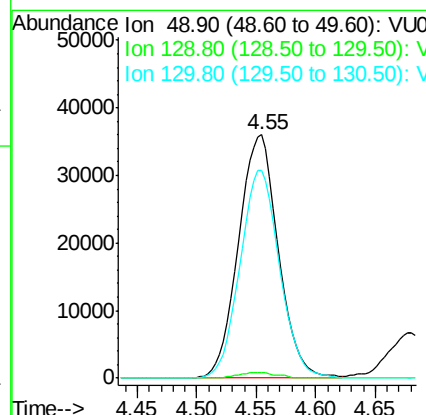
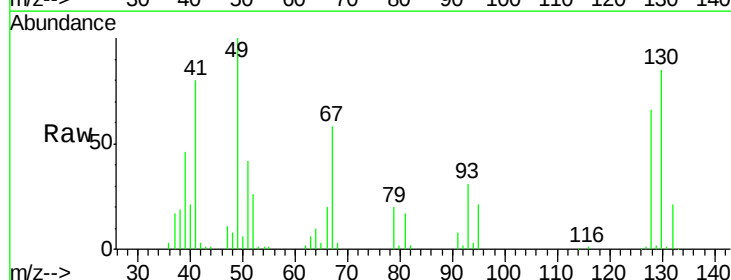
Manual Integrations
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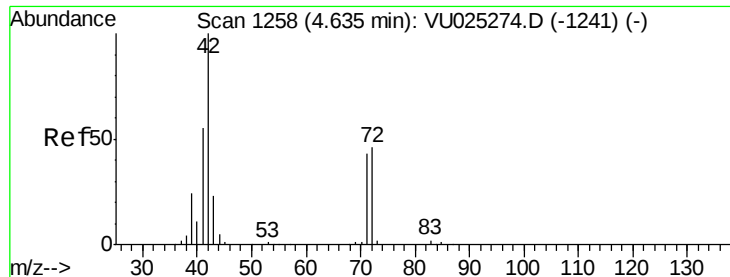
MMDadoda
 7/13/2018 11:44:19 AM



#28
 Bromochloromethane
 Concen: 50.225 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	84.8	68.6	102.8





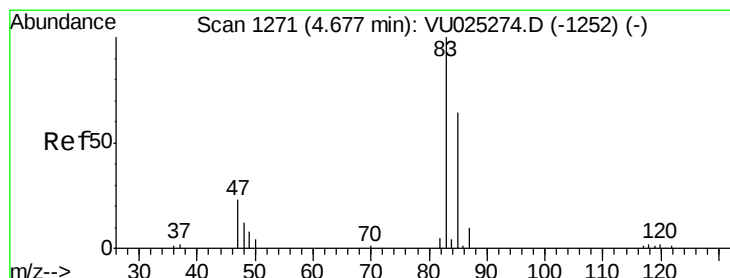
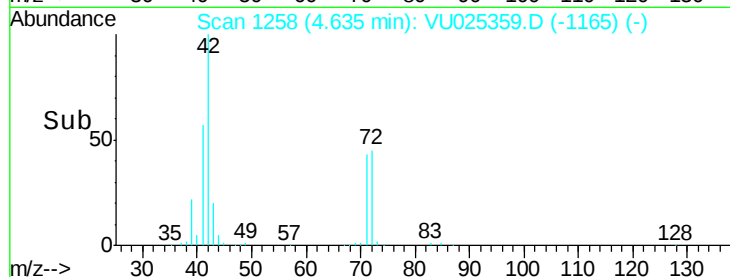
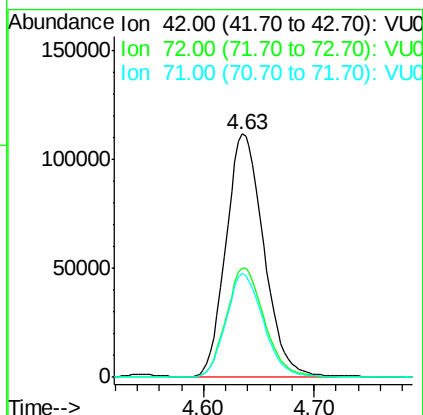
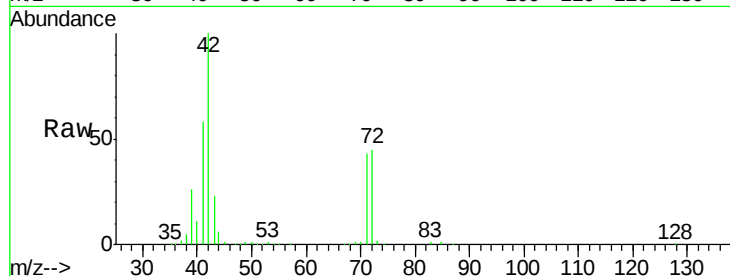
#29
Tetrahydrofuran
Concen: 251.568 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.7	55.1
71	42.4	33.9	50.9

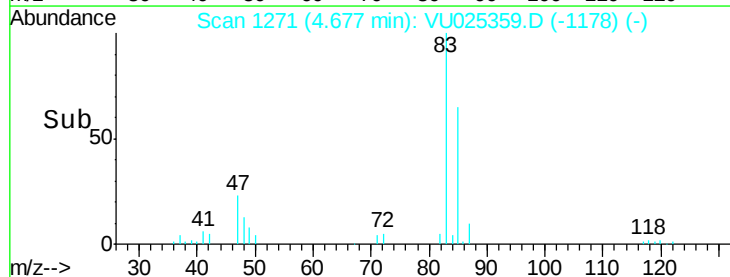
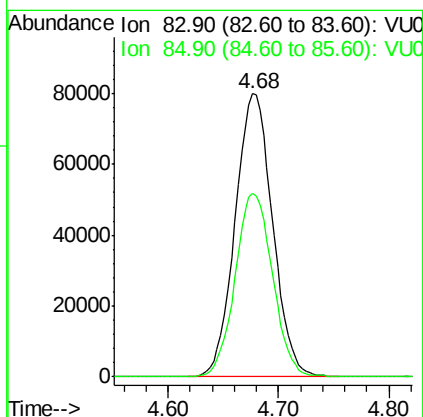
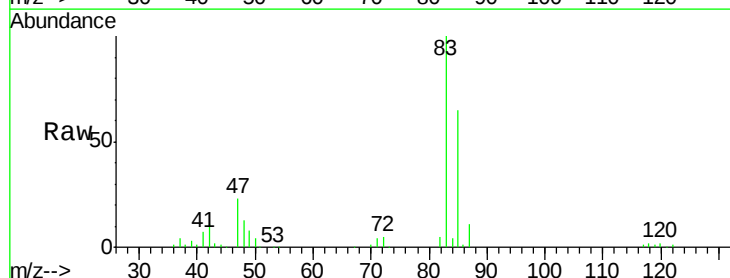
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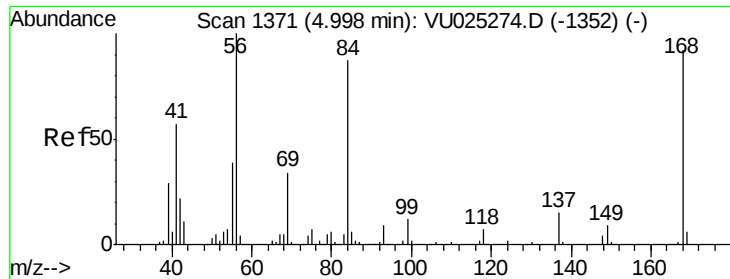
MMDadoda
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#30
Chloroform
Concen: 51.606 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3





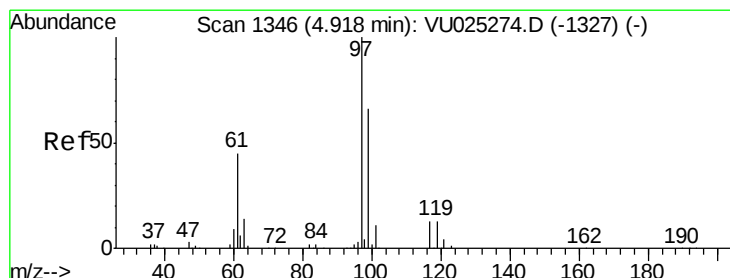
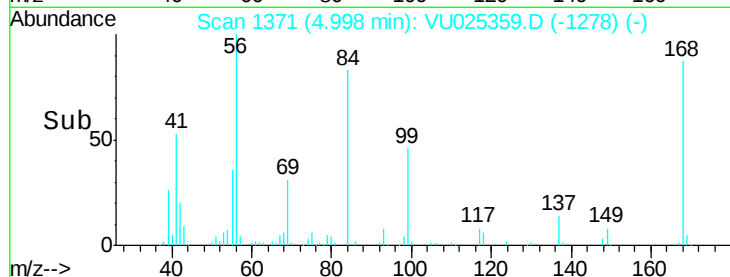
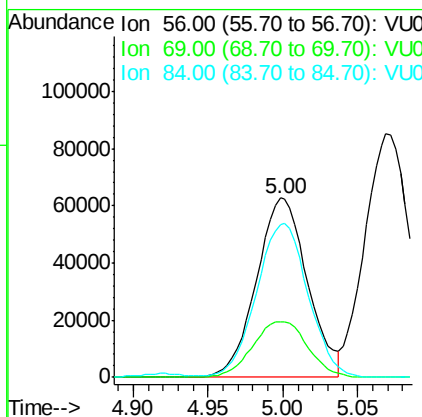
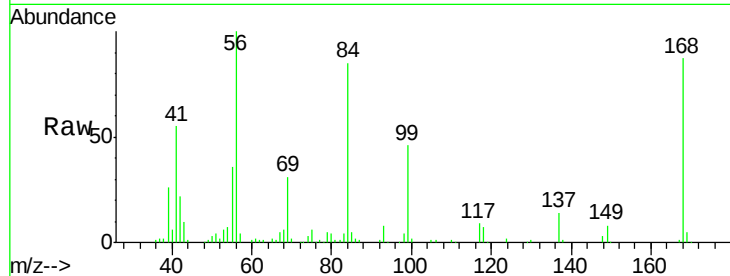
#31
Cyclohexane
Concen: 46.673 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	26.8	40.2
84	84.0	69.7	104.5

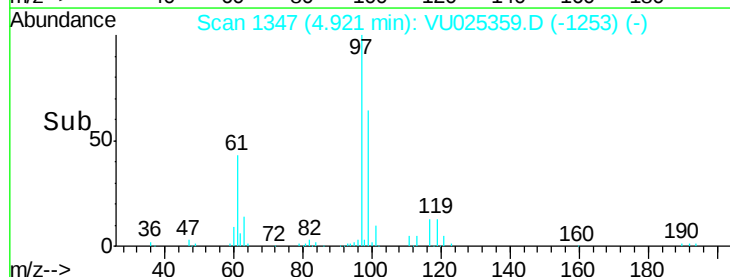
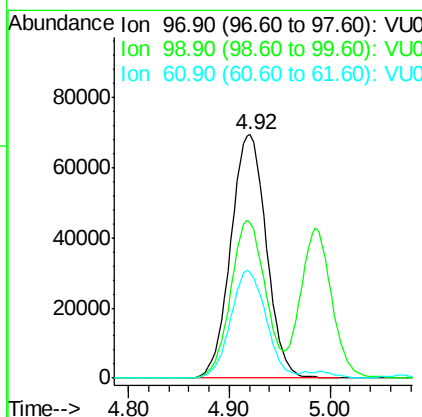
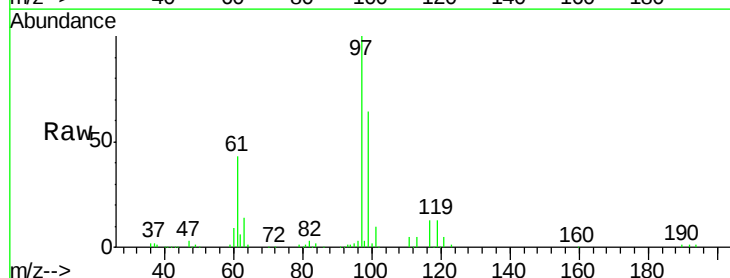
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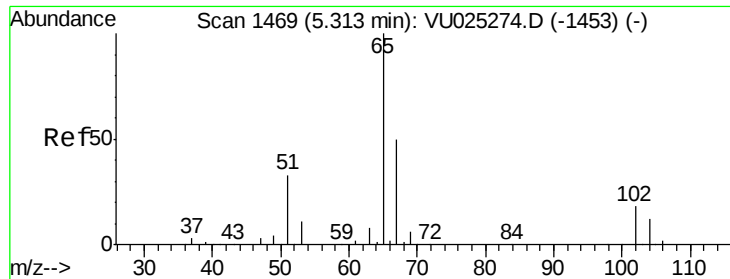
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.436 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.8	76.2
61	44.0	35.2	52.8





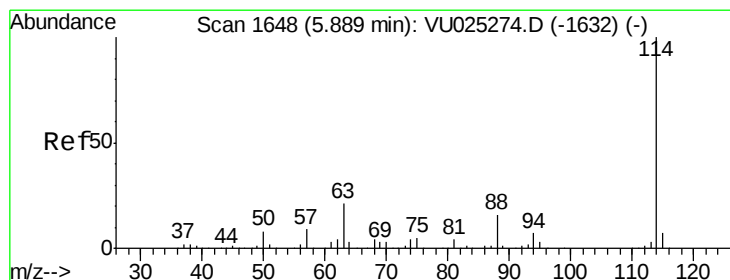
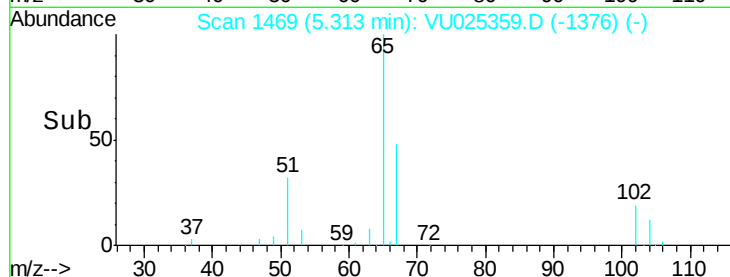
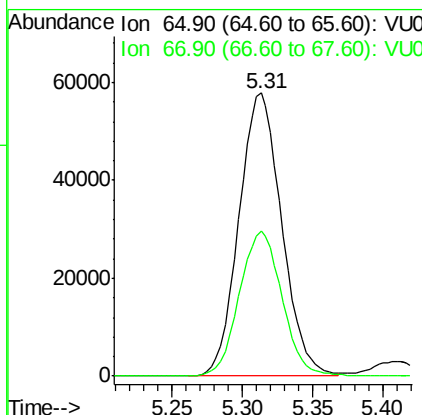
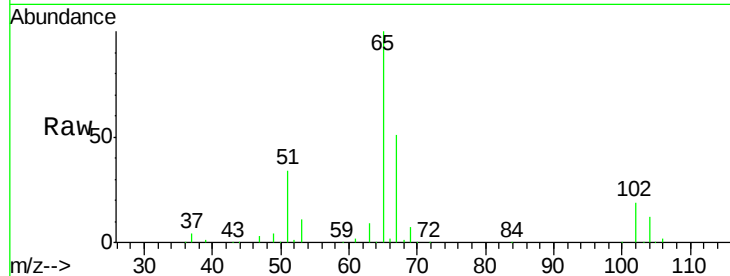
#33
 1,2-Dichloroethane-d4
 Concen: 48.626 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.6

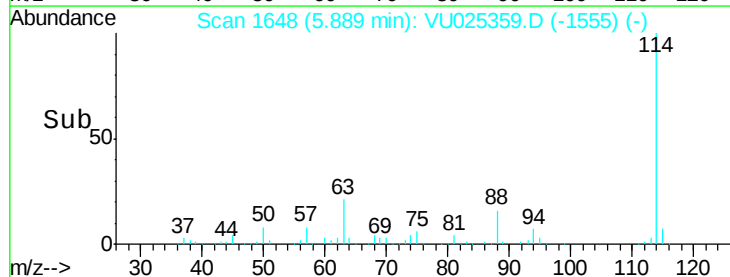
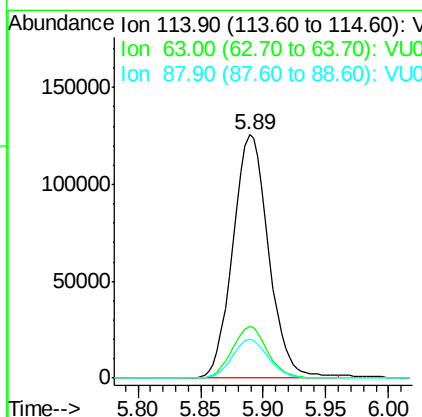
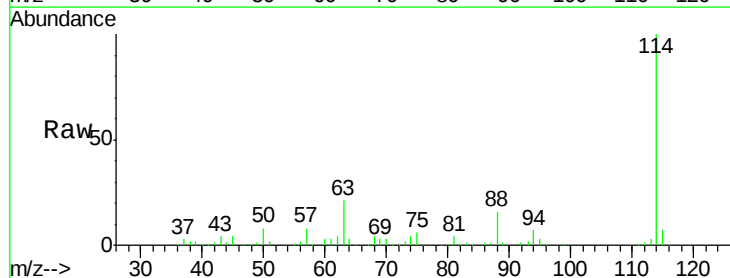
Manual Integrations
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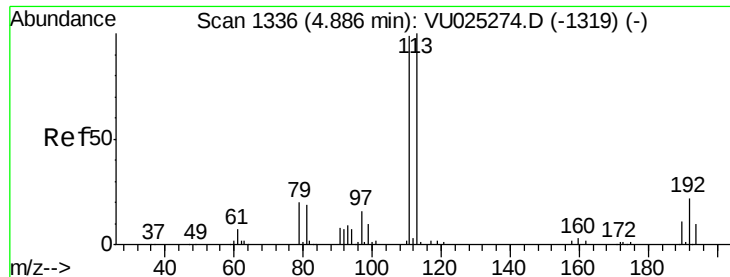
MMDadoda
 7/13/2018 11:44:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.6
88	16.0	0.0	32.4





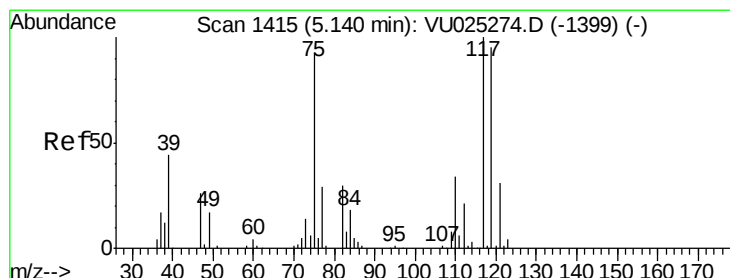
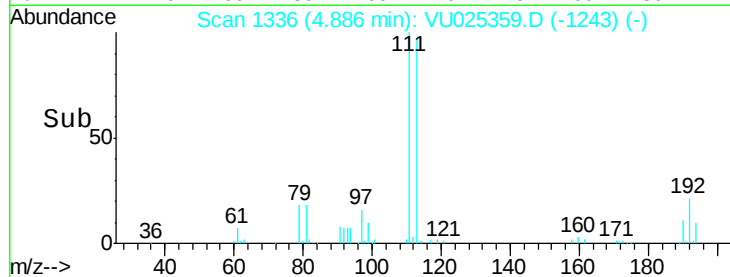
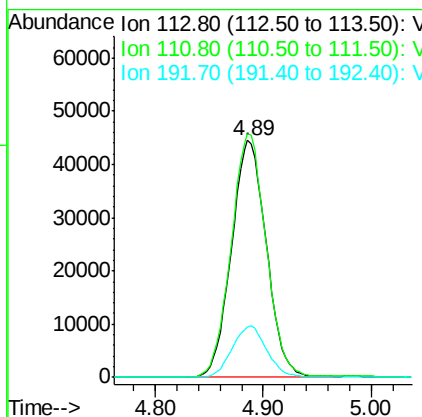
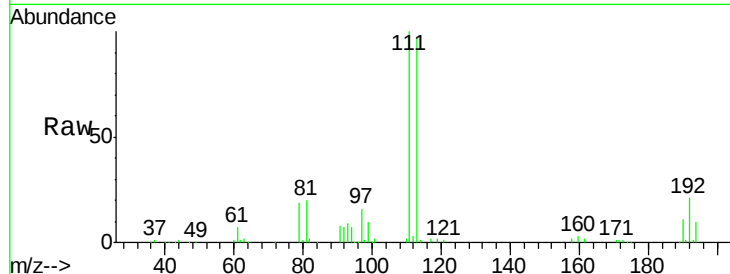
#35
 Dibromofluoromethane
 Concen: 47.843 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.7	122.5
192	21.5	17.1	25.7

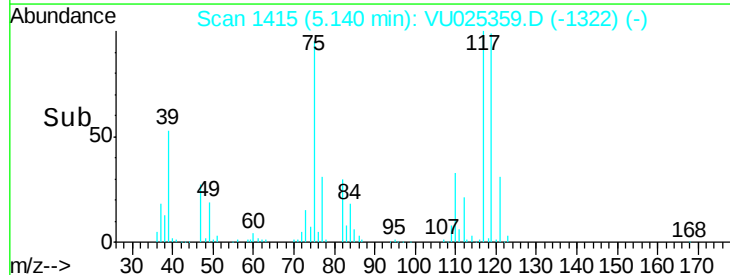
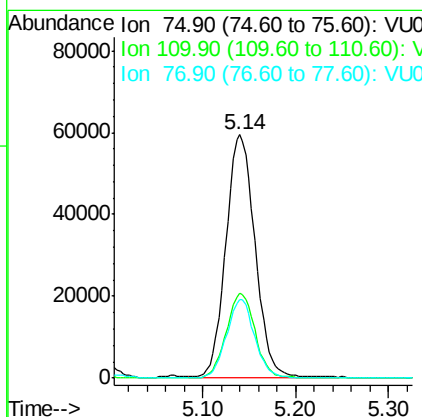
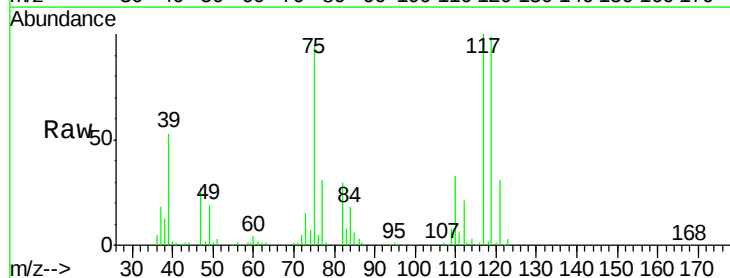
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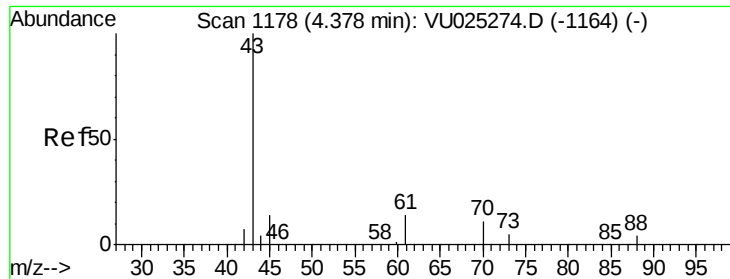
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#36
 1,1-Dichloropropene
 Concen: 46.475 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.6	52.9
77	31.0	24.4	36.6





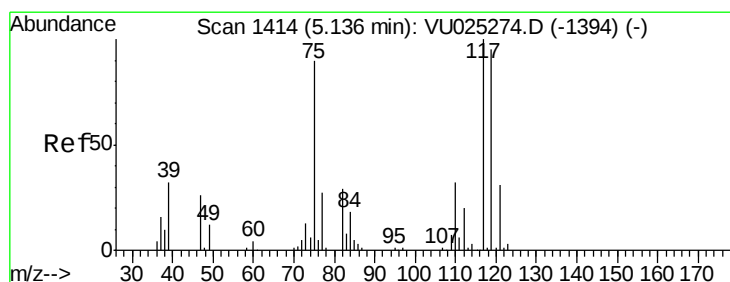
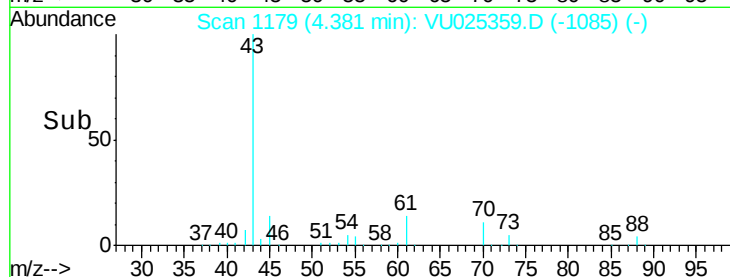
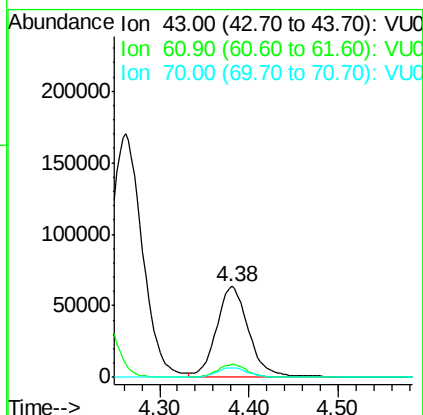
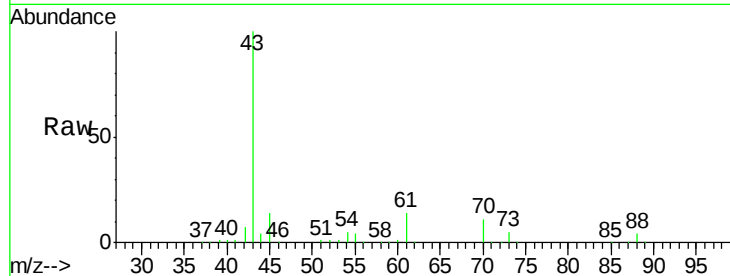
#37
Ethyl Acetate
Concen: 50.444 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.6	8.4	12.6

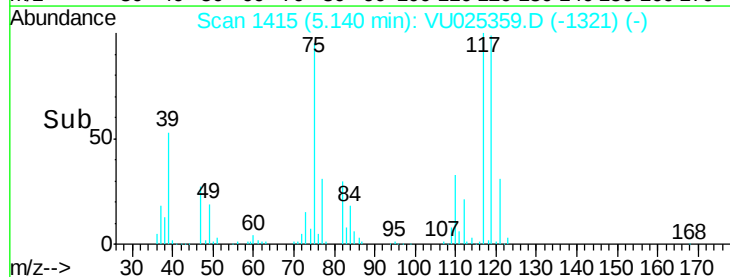
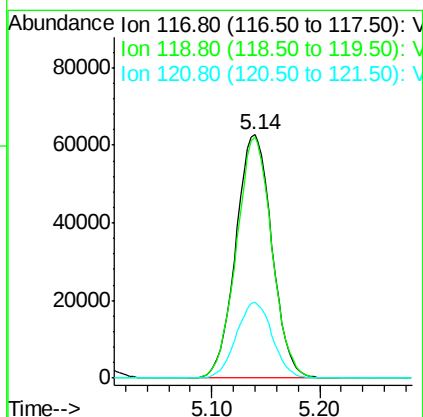
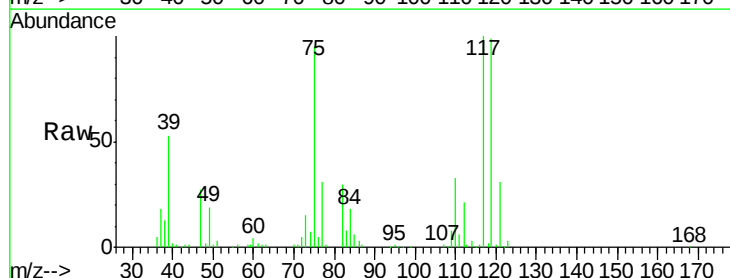
Manual Integrations
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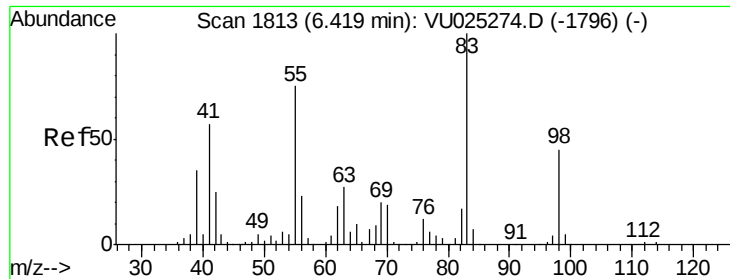
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#38
Carbon Tetrachloride
Concen: 48.974 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	75.7	113.5
121	31.1	24.6	36.8





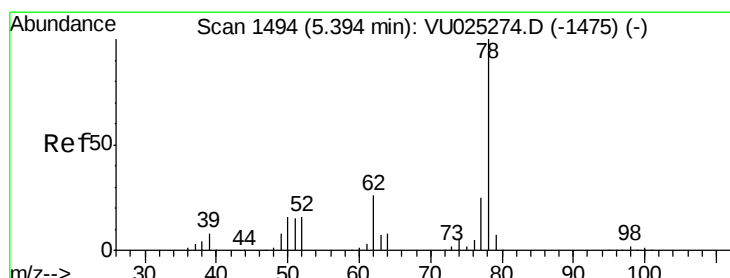
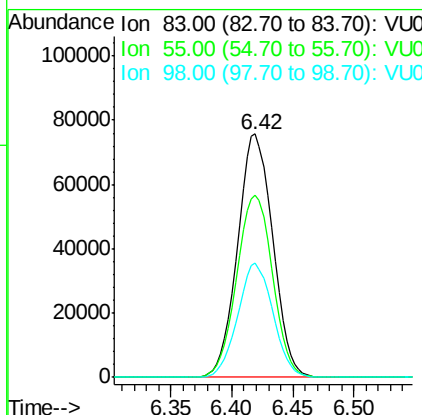
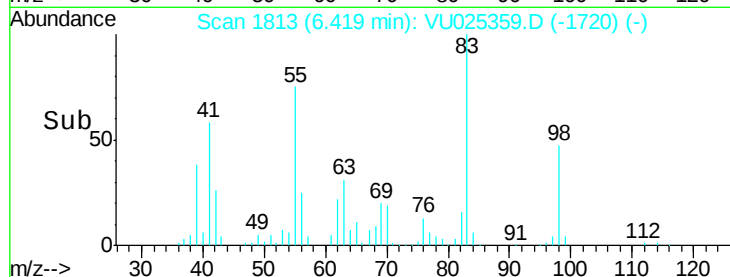
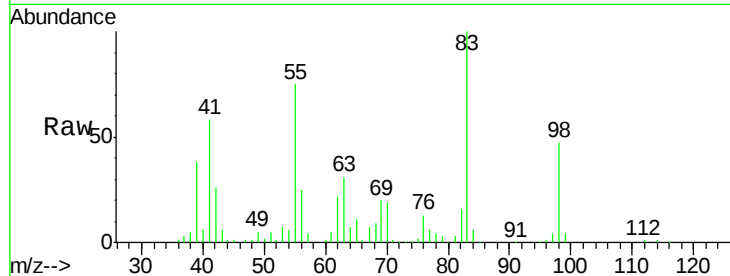
#39
Methvlcvclohexane
Concen: 43.758 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	151105
Ion Ratio	100	Lower	Upper
83	100		
55	74.9	60.0	90.0
98	46.8	36.1	54.1

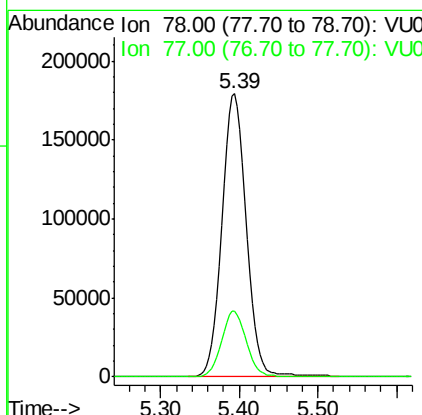
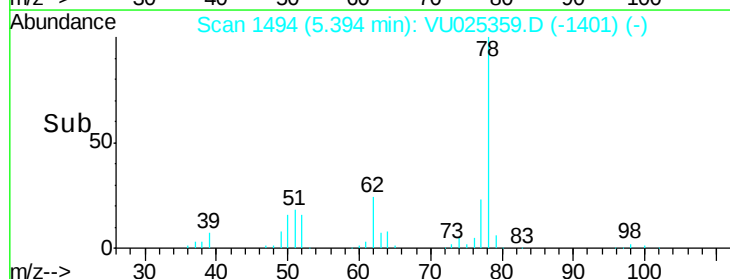
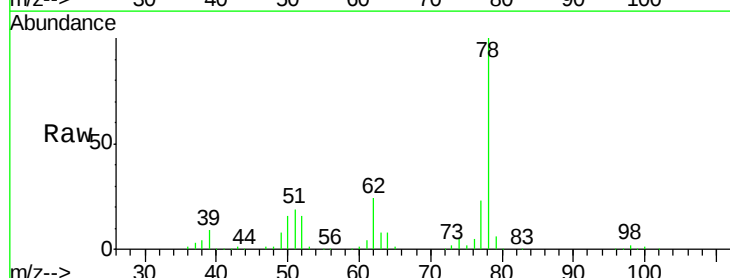
Manual Integrations
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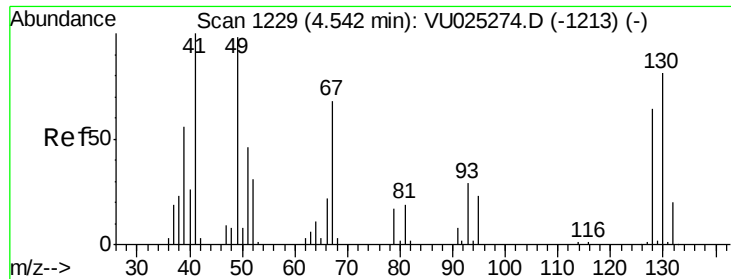
MMDadoda
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#40
Benzene
Concen: 48.114 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	78	Resp	383857
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.8	29.6





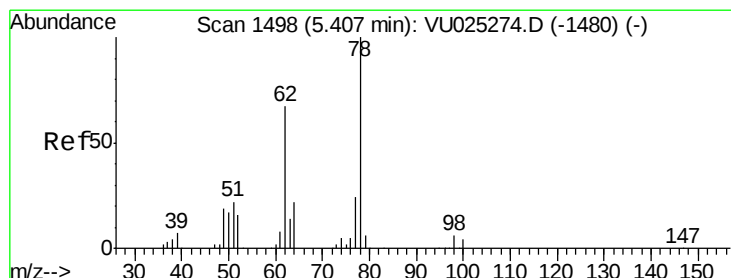
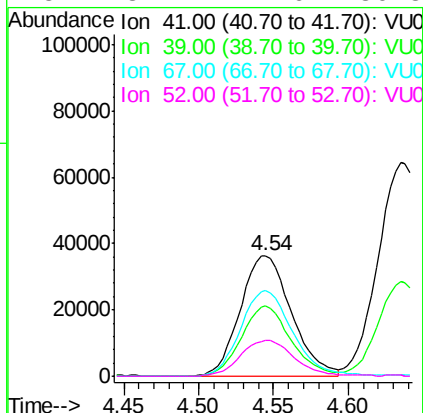
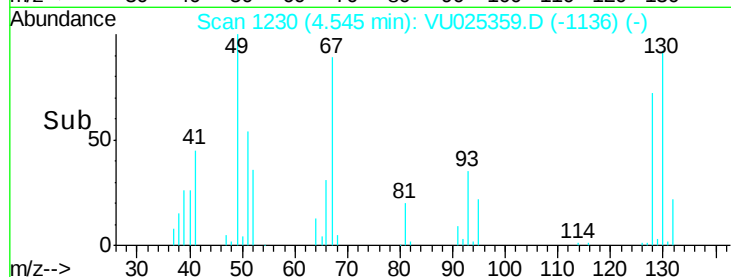
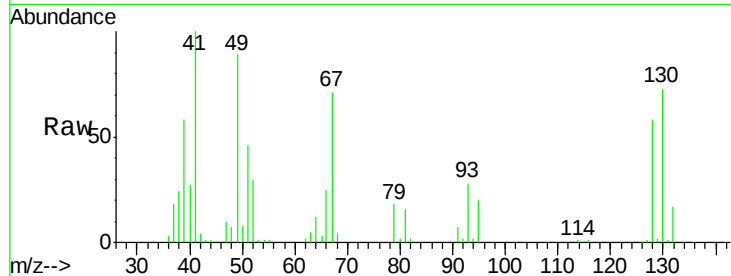
#41
Methacrylonitrile
Concen: 50.529 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.6	44.4	66.6	
67	73.2	56.0	84.0	
52	31.1	24.6	36.8	

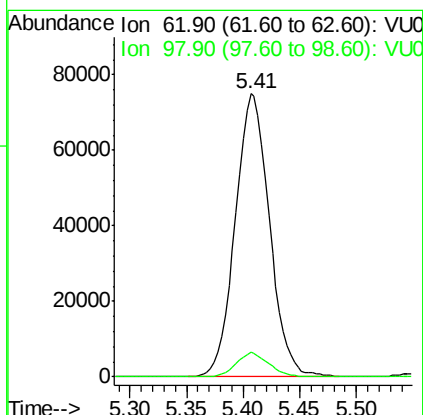
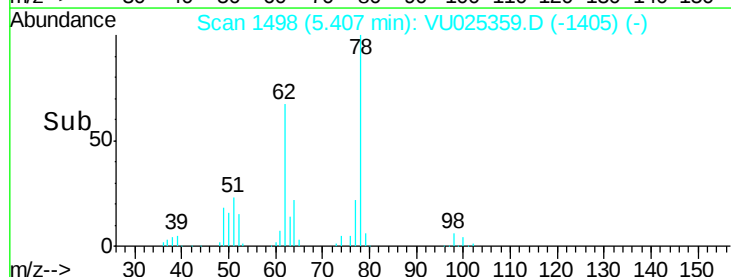
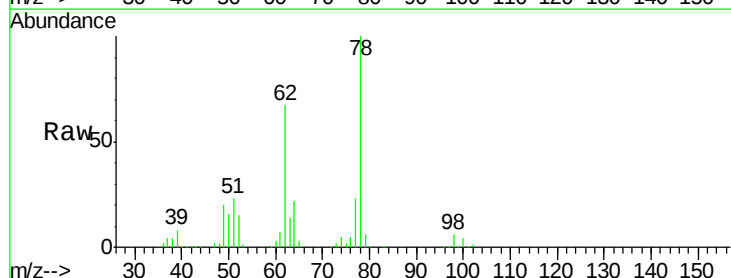
Manual Integrations
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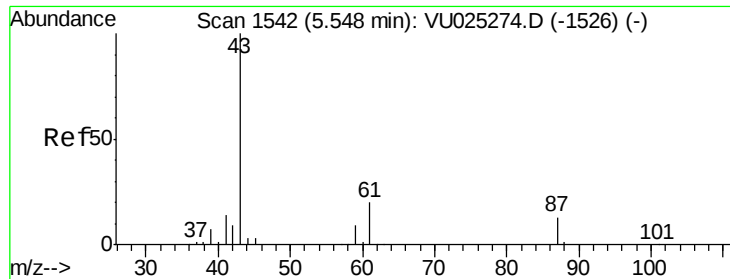
MMDadoda
7/13/2018 11:44:19 AM



#42
1,2-Dichloroethane
Concen: 49.928 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.4	





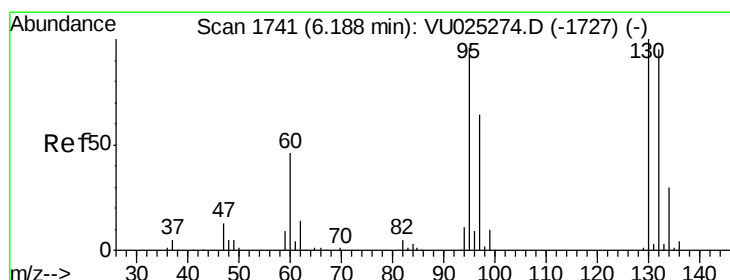
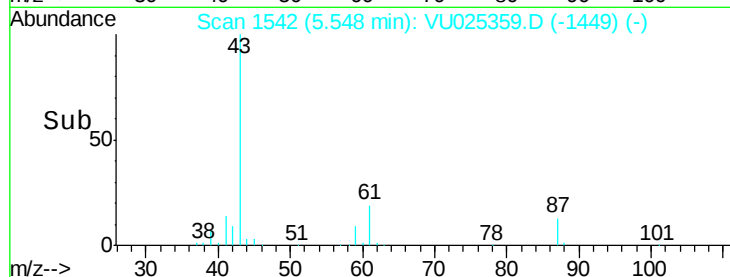
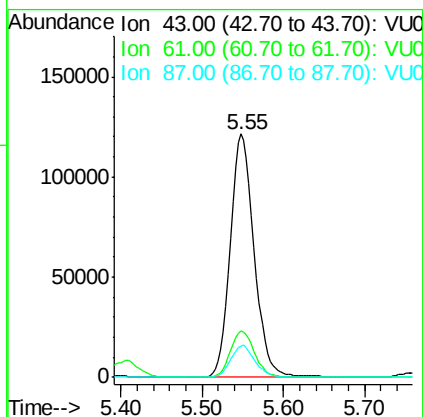
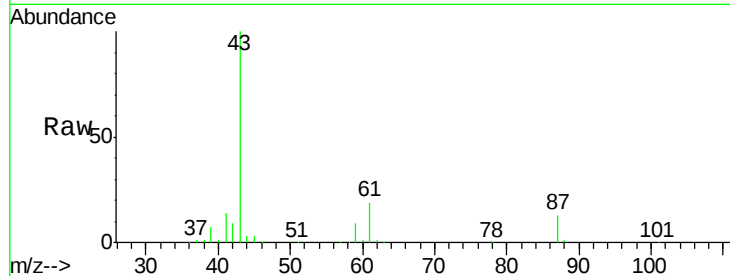
#43
Isopropyl Acetate
Concen: 50.267 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.5	23.3
87	13.3	10.6	16.0

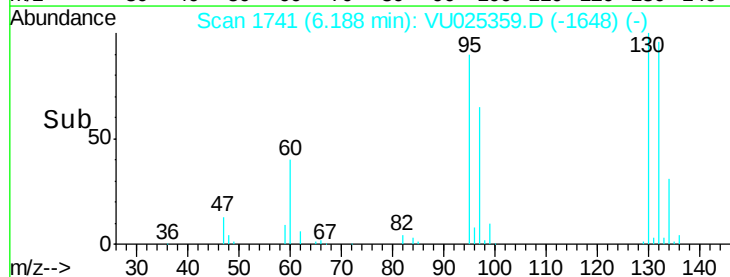
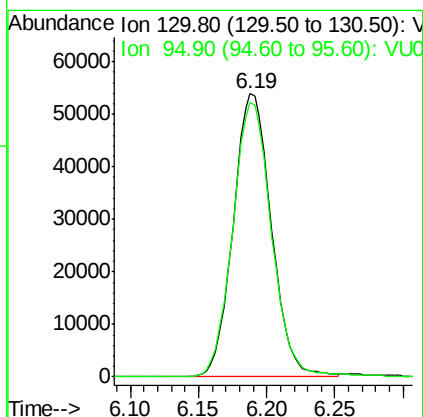
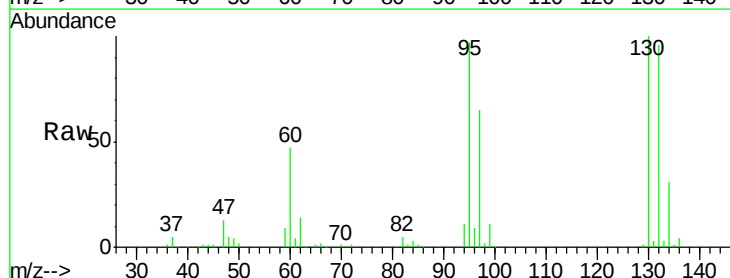
Manual Integrations
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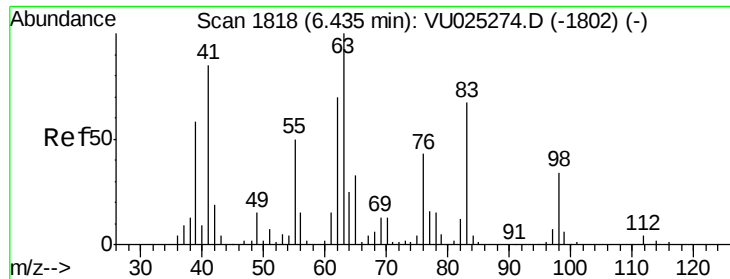
MMDadoda
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#44
Trichloroethene
Concen: 45.611 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	192.2





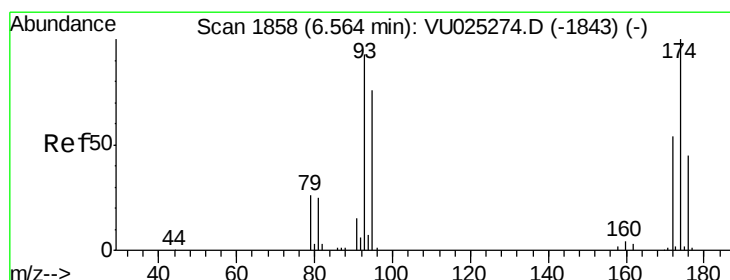
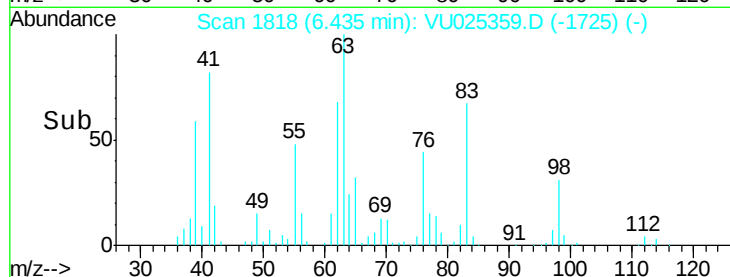
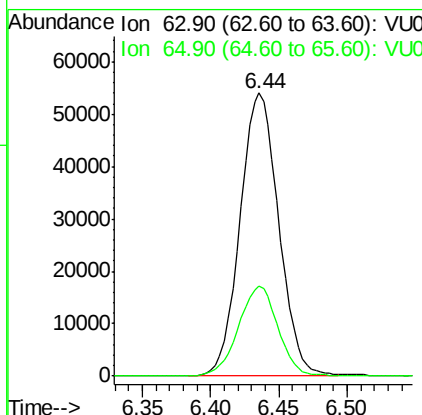
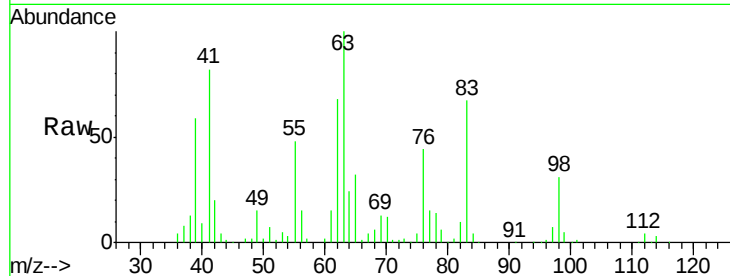
#45
 1,2-Dichloropropane
 Concen: 50.893 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 106346
 Ion Ratio Lower Upper
 63 100
 65 31.9 26.1 39.1

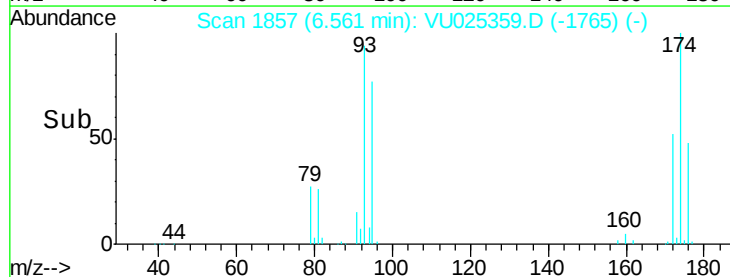
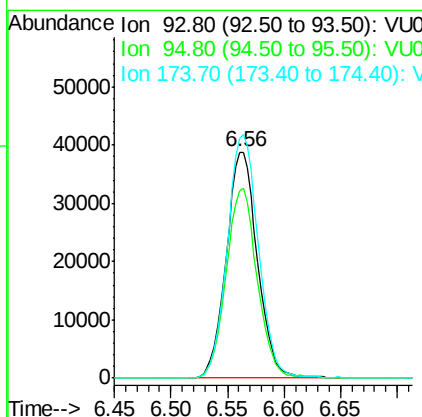
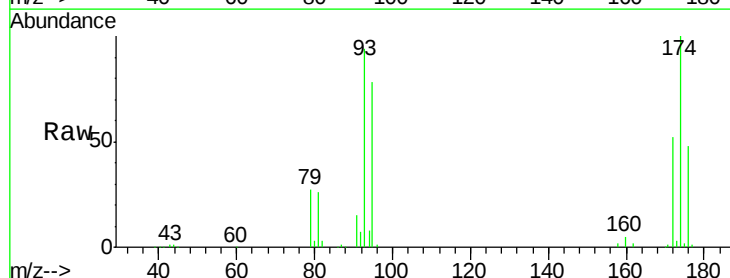
Manual Integrations
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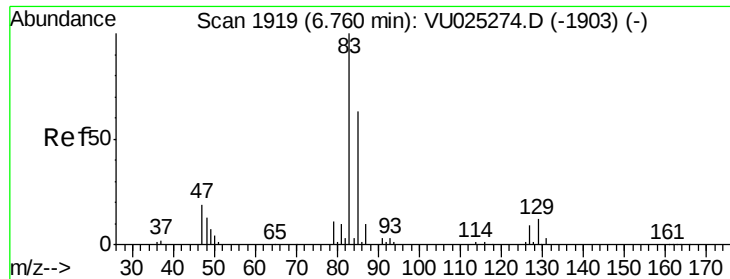
MMDadoda
 7/13/2018 11:44:19 AM



#46
 Dibromomethane
 Concen: 48.893 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion: 93 Resp: 74351
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 100.0
 174 107.5 85.8 128.8





#47

Bromodichloromethane

Concen: 50.549 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

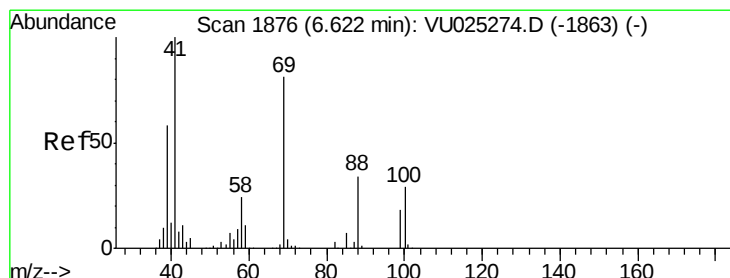
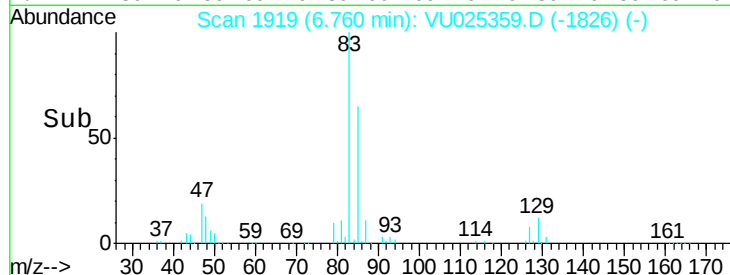
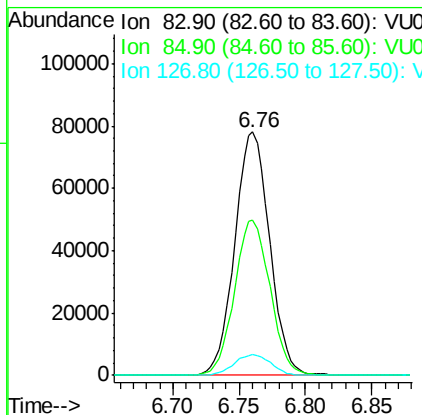
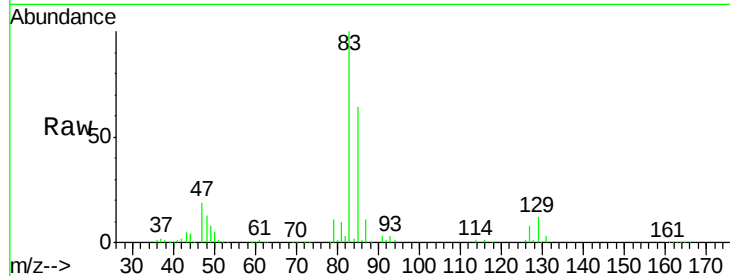
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142796
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.2	75.4
127	8.4	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.083 ug/l

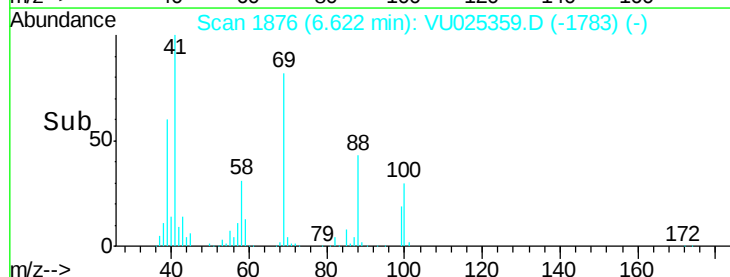
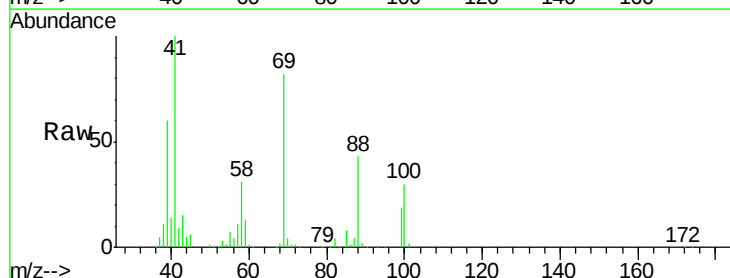
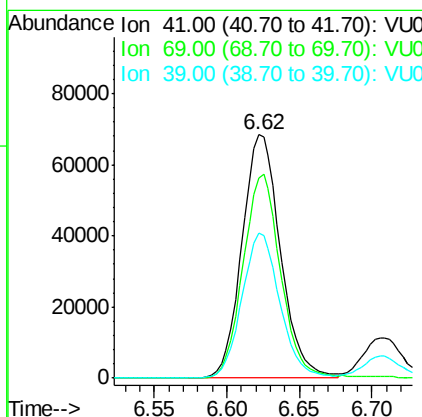
RT: 6.62 min Scan# 1876

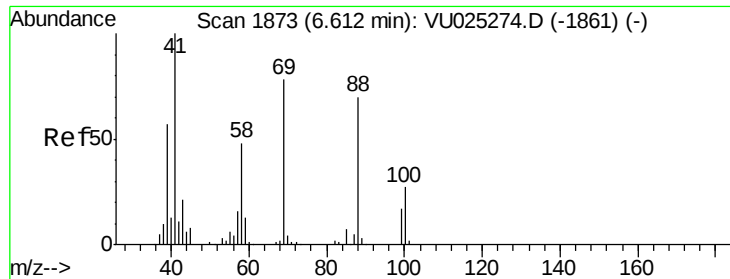
Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Tgt Ion:	41	Resp:	125909
Ion	Ratio	Lower	Upper
41	100		
69	82.5	65.0	97.4
39	59.0	46.4	69.6





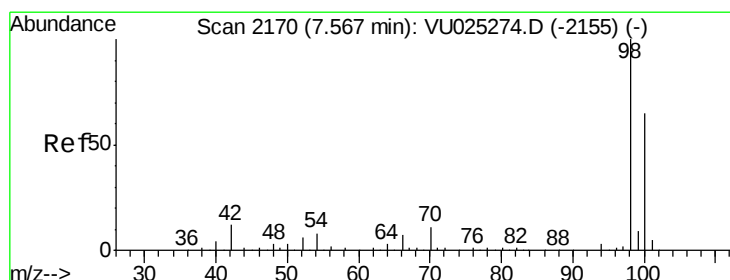
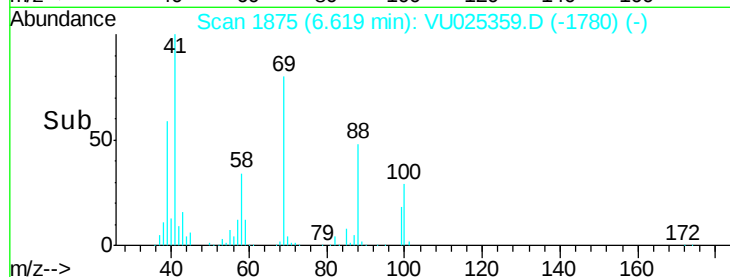
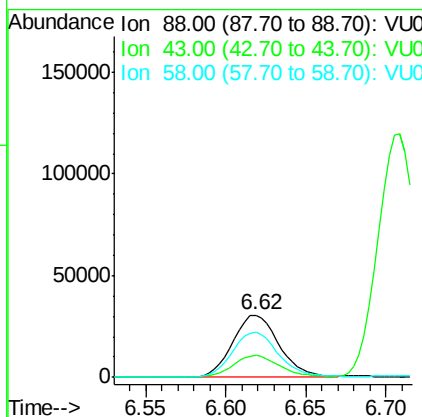
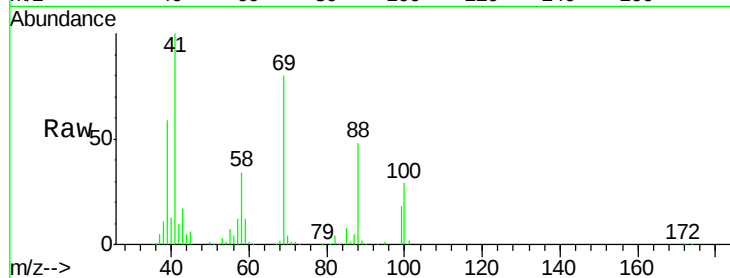
#49
1,4-Dioxane
Concen: 1021.848 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.3	40.9
58	73.1	57.6	86.4

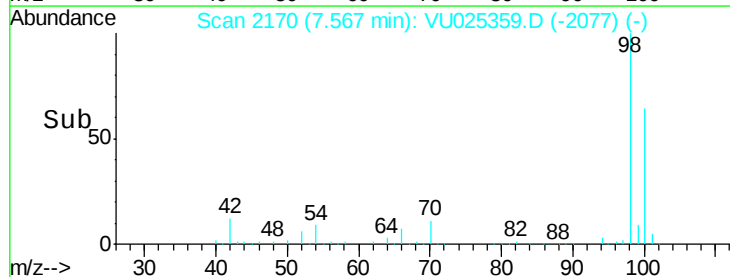
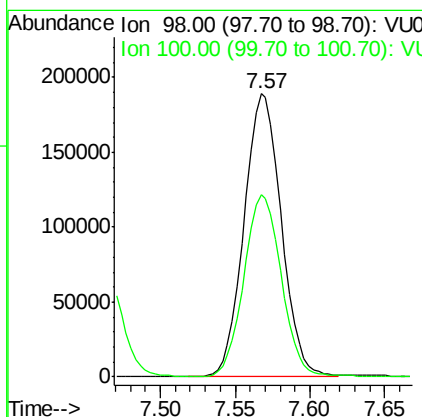
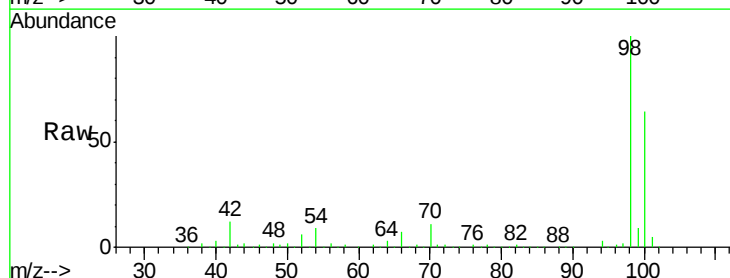
Manual Integrations
APPROVED

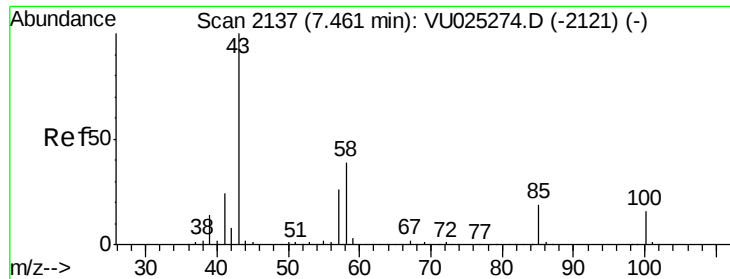
MMDadoda
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#50
Toluene-d8
Concen: 45.633 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 255.334 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 820516

Ion Ratio Lower Upper

43 100

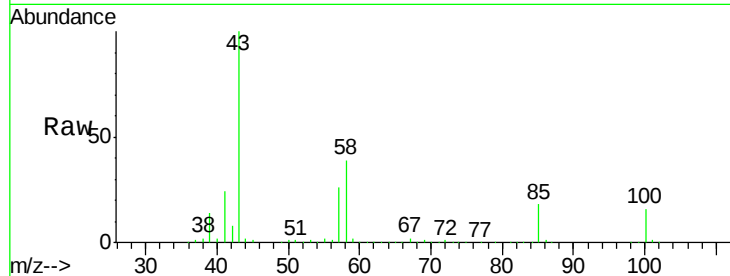
58 38.7 31.0 46.4

Manual Integrations

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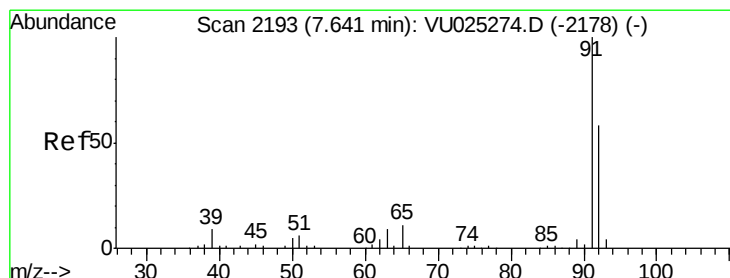
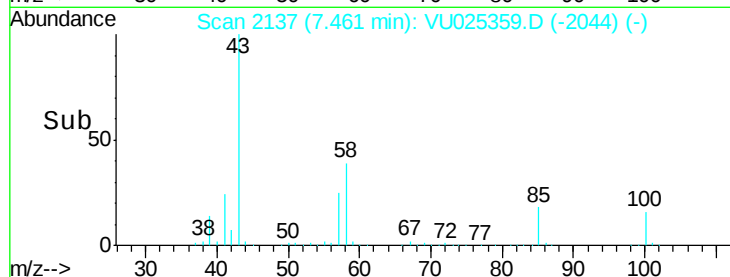
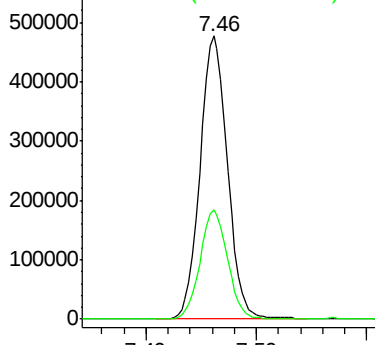
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 48.707 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025359.D

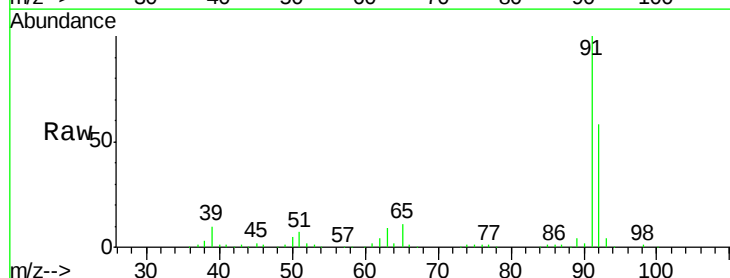
Acq: 12 Jul 2018 23:36

Tgt Ion: 92 Resp: 247224

Ion Ratio Lower Upper

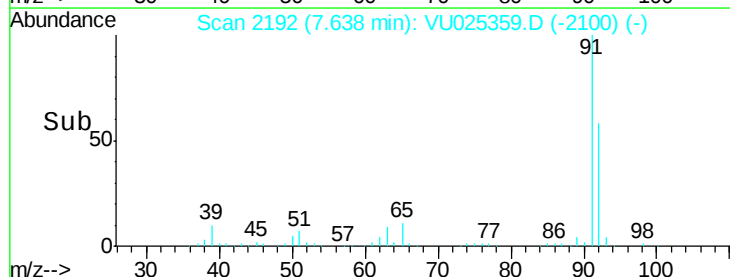
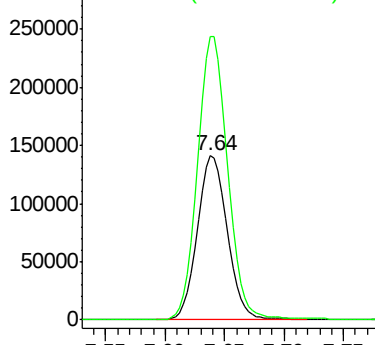
92 100

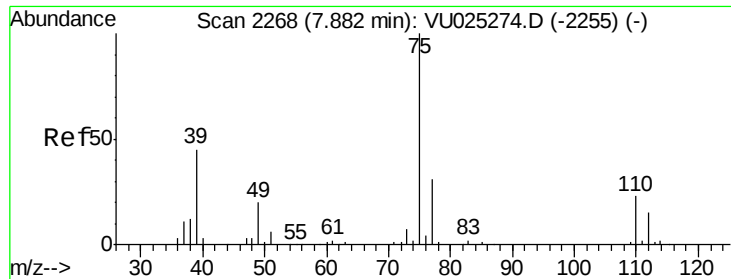
91 173.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





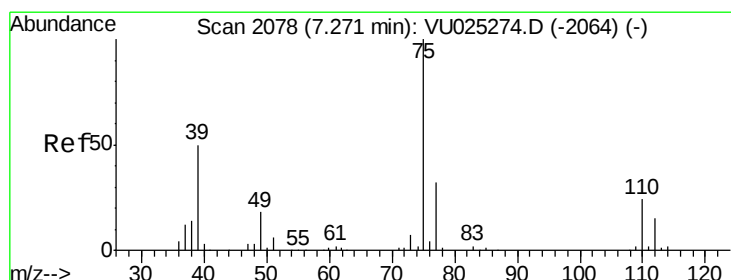
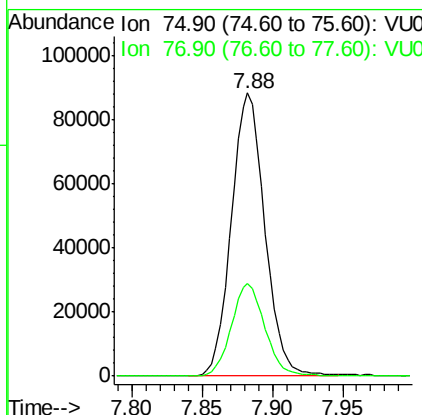
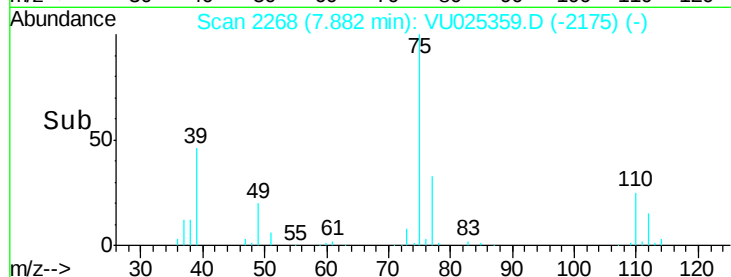
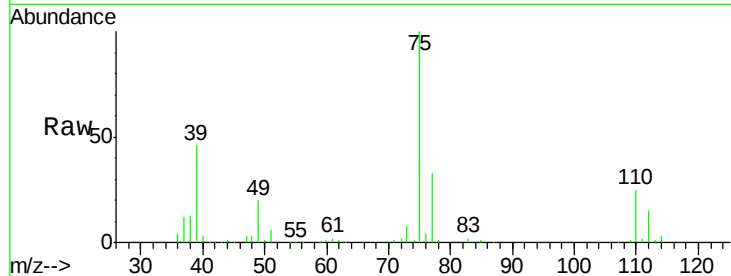
#53
t-1,3-Dichloropropene
Concen: 47.360 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7

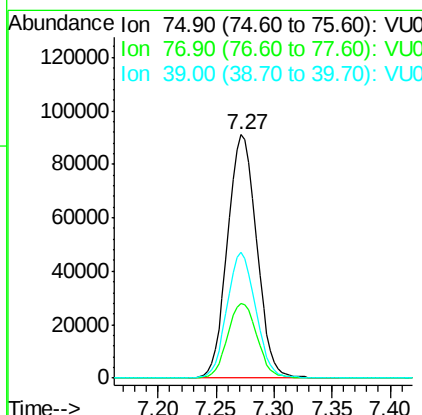
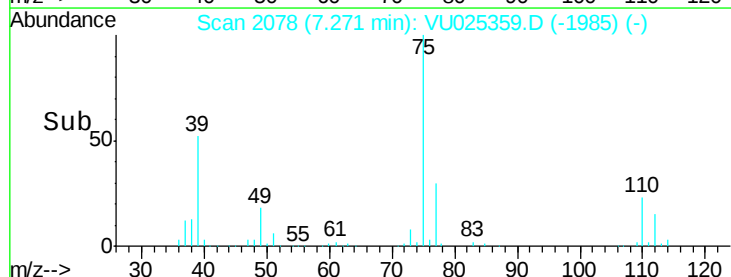
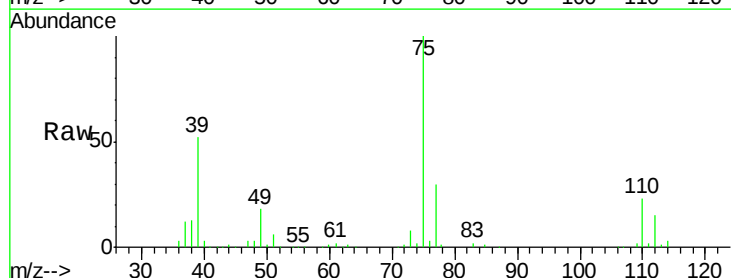
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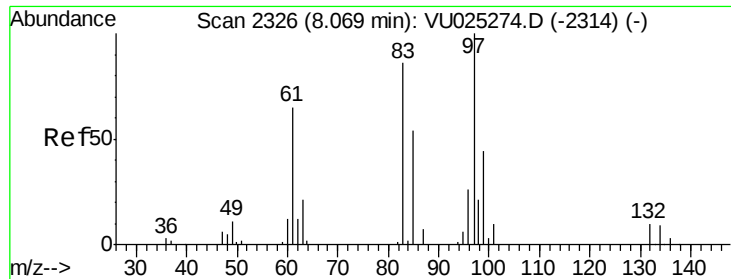
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#54
cis-1,3-Dichloropropene
Concen: 48.169 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.6	38.4
39	51.4	40.0	60.0





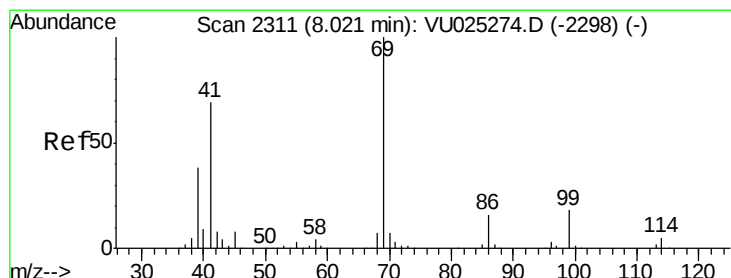
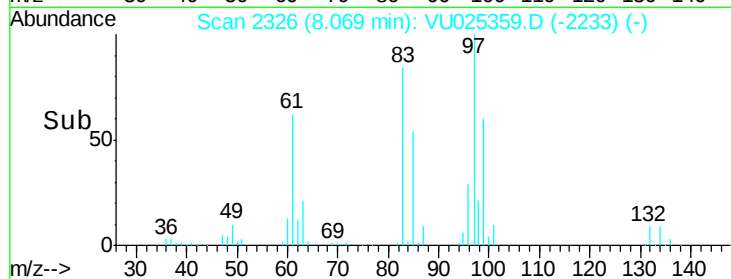
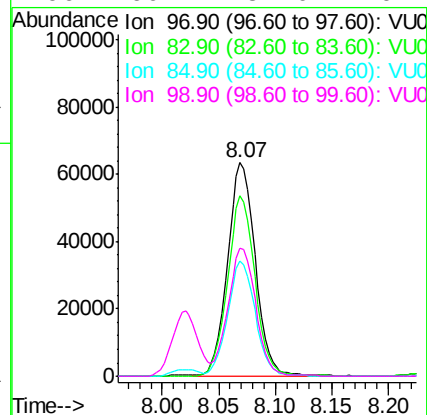
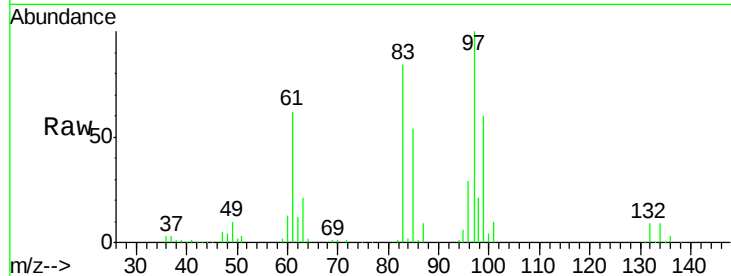
#55
 1,1,2-Trichloroethane
 Concen: 50.840 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	107470
Ion Ratio	Lower	Upper	
97	100		
83	84.4	68.9	103.3
85	53.9	44.4	66.6
99	60.1	51.0	76.4

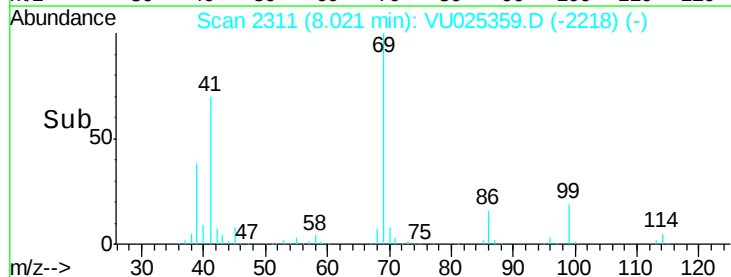
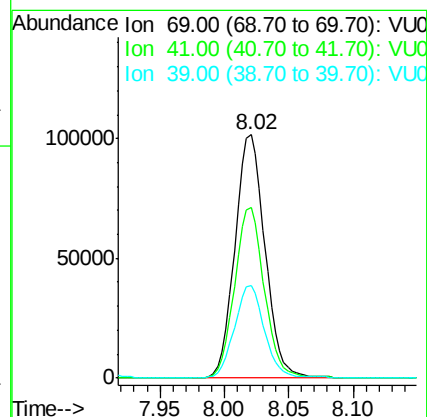
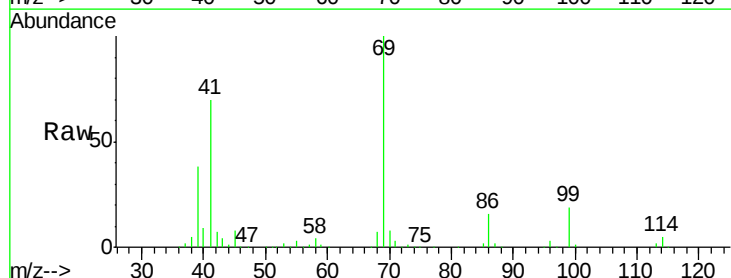
Manual Integrations
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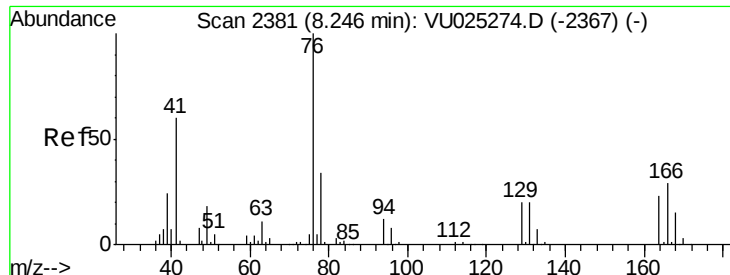
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#56
 Ethyl methacrylate
 Concen: 49.954 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion:	69	Resp:	164931
Ion Ratio	Lower	Upper	
69	100		
41	69.4	54.8	82.2
39	37.3	31.1	46.7





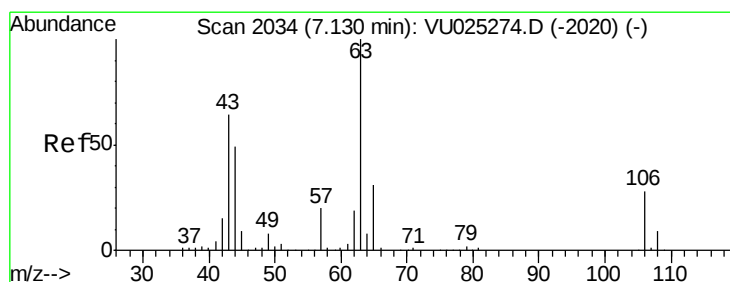
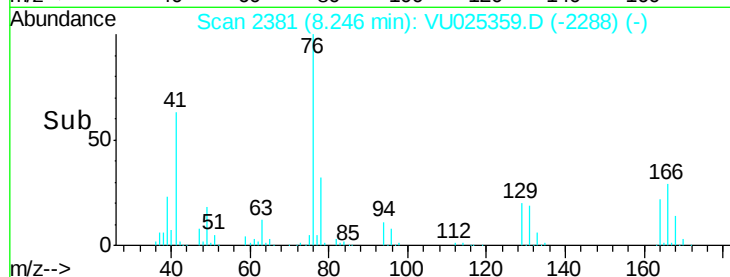
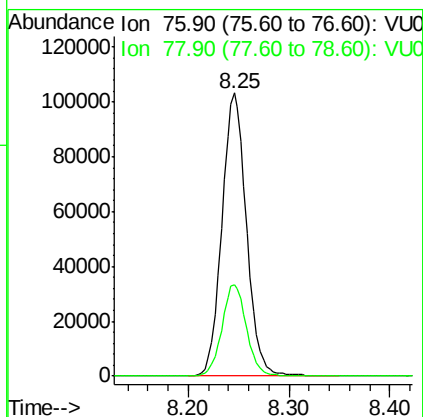
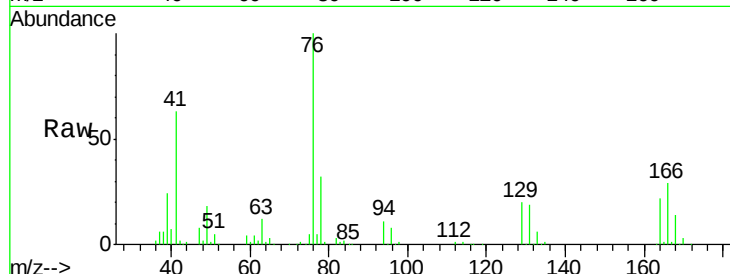
#57
 1,3-Dichloropropane
 Concen: 50.055 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 175657
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

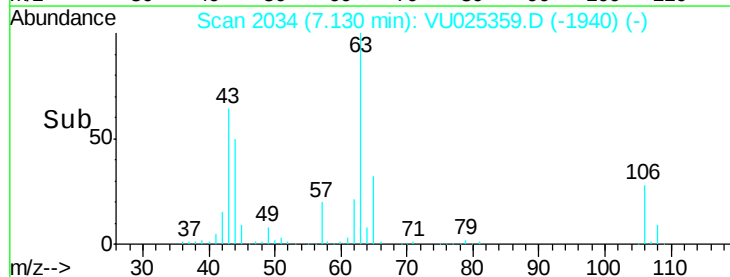
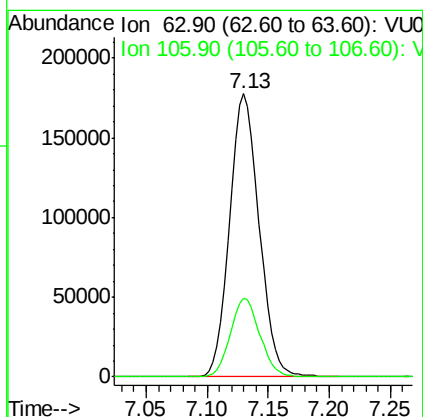
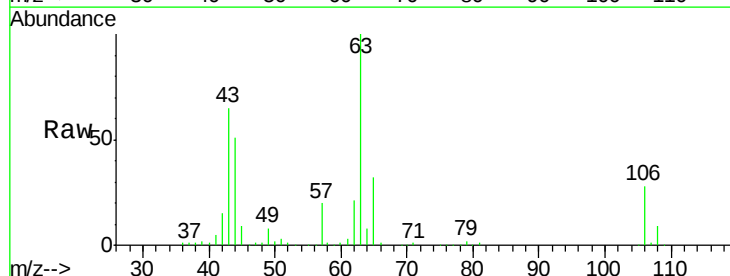
Manual Integrations
 APPROVED

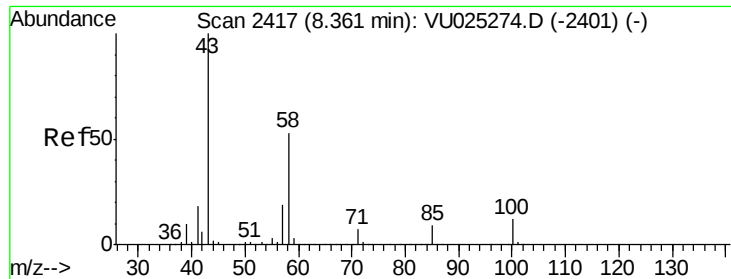
MMDadoda
 7/13/2018 11:44:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 203.365 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion: 63 Resp: 300833
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.3 33.5





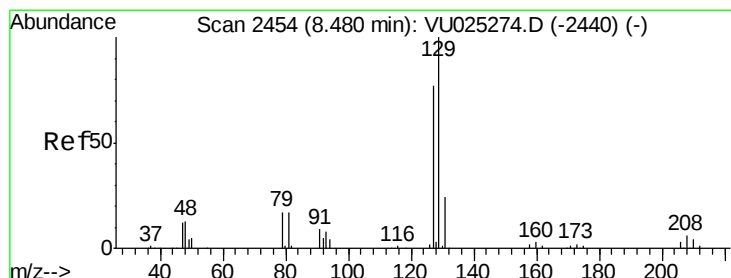
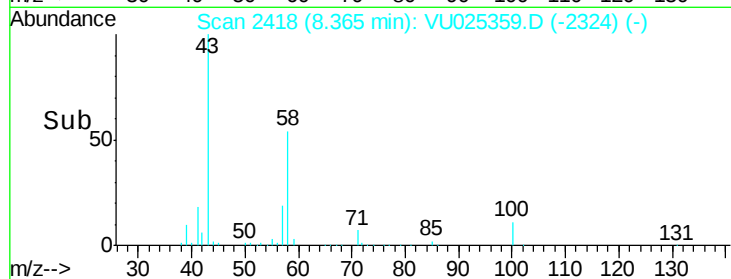
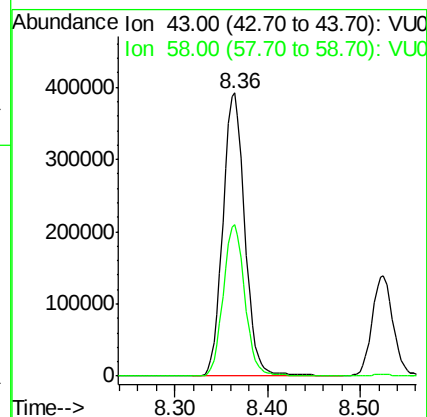
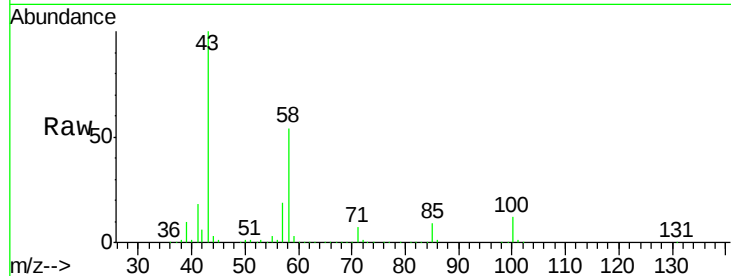
#59
2-Hexanone
Concen: 247.178 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 644287
Ion Ratio Lower Upper
43 100
58 52.8 26.2 78.5

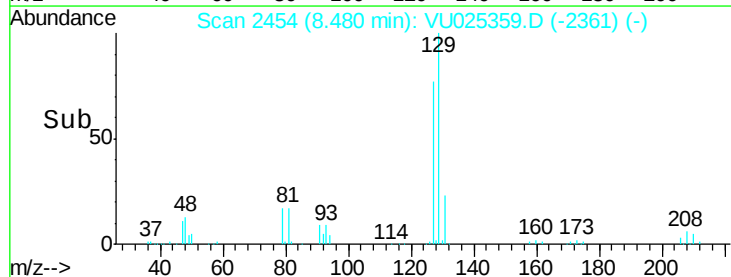
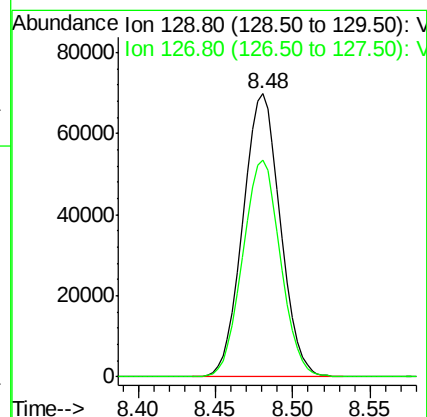
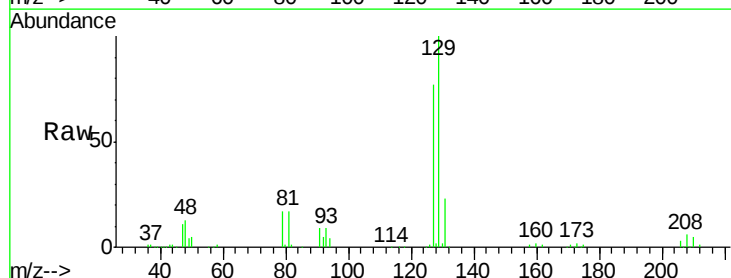
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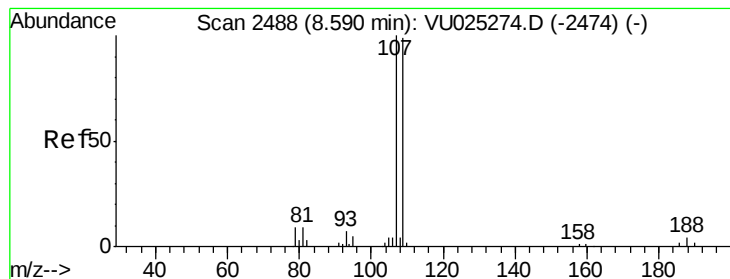
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#60
Dibromochloromethane
Concen: 51.515 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion:129 Resp: 117605
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.810 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 114926

Ion Ratio Lower Upper

107 100

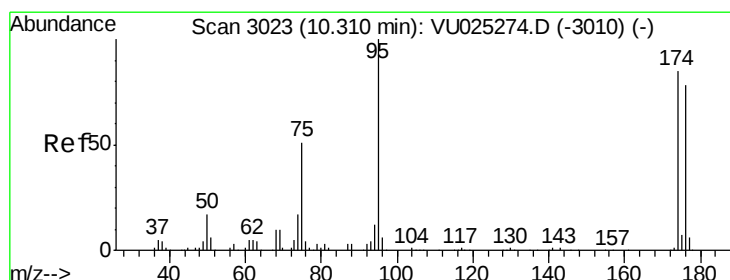
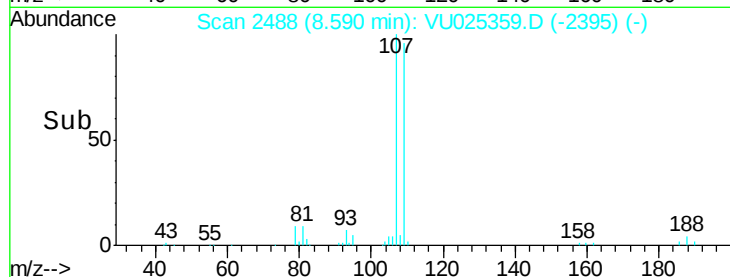
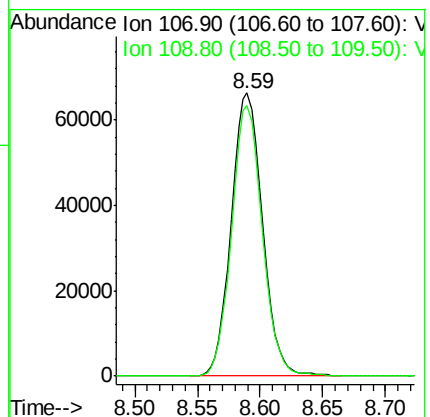
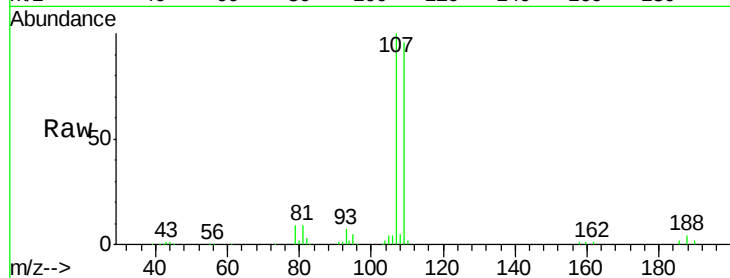
109 94.1 75.8 113.8

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#62

4-Bromofluorobenzene

Concen: 47.342 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

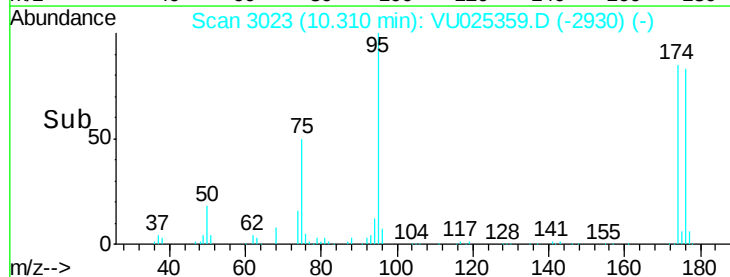
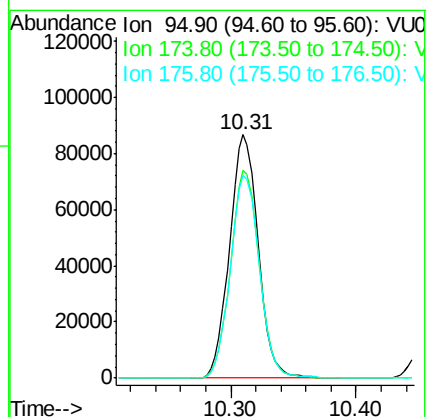
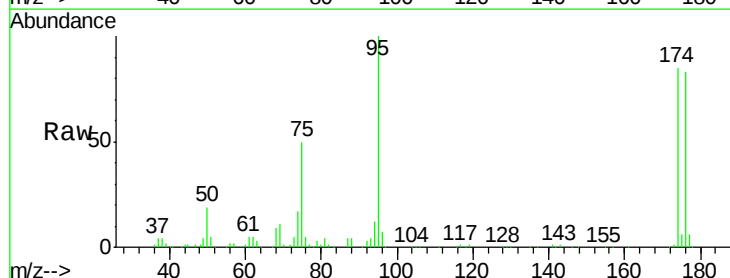
Tgt Ion: 95 Resp: 137109

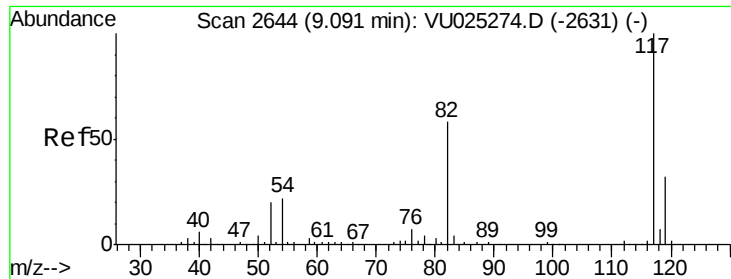
Ion Ratio Lower Upper

95 100

174 85.9 0.0 172.2

176 84.8 0.0 162.6





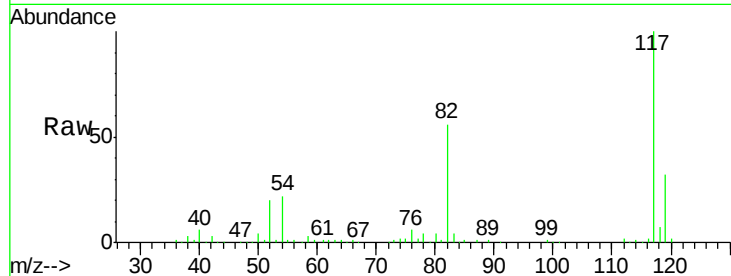
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

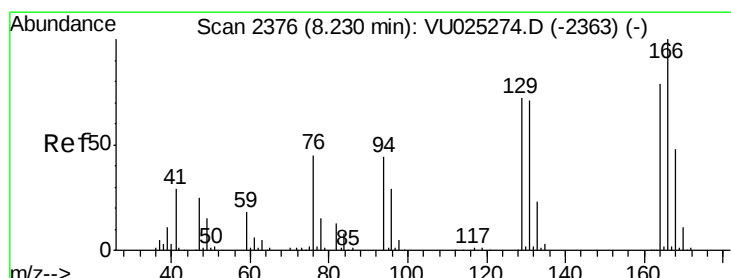
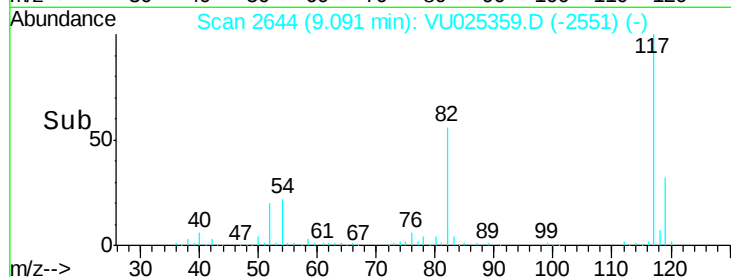
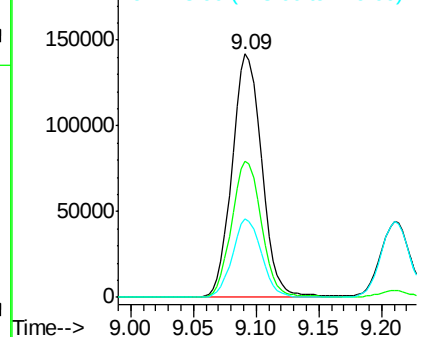
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.0	69.0
119	32.4	26.0	39.0

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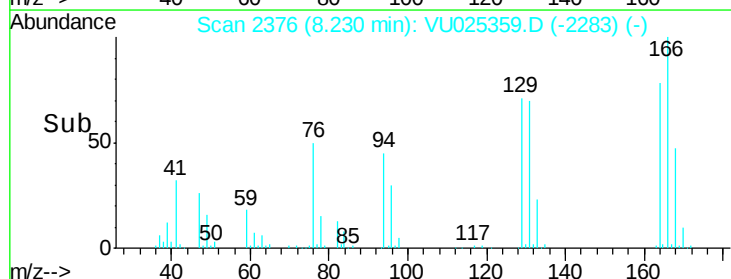
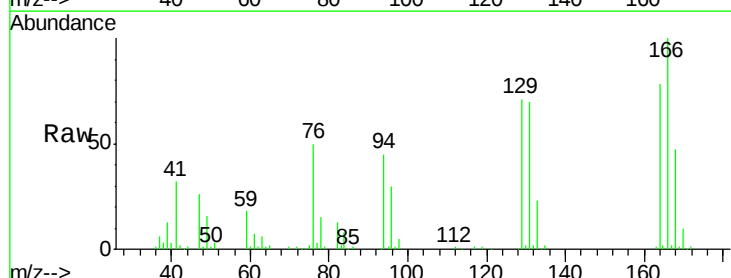
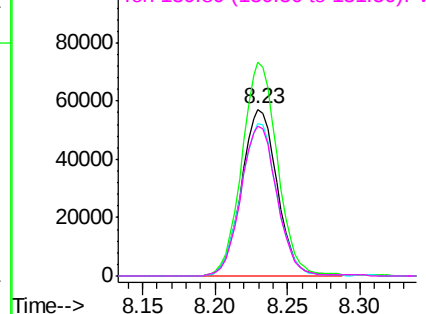
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

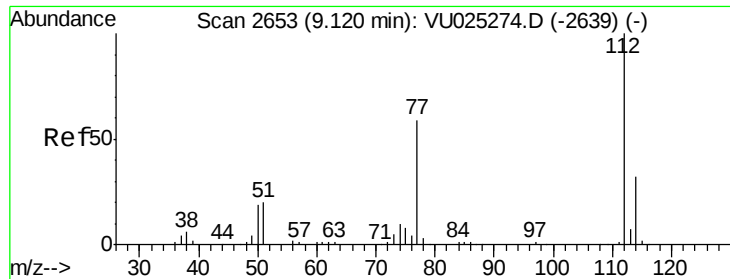


#64
Tetrachloroethene
Concen: 45.663 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.1	151.7
129	91.6	73.0	109.6
131	90.2	72.1	108.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





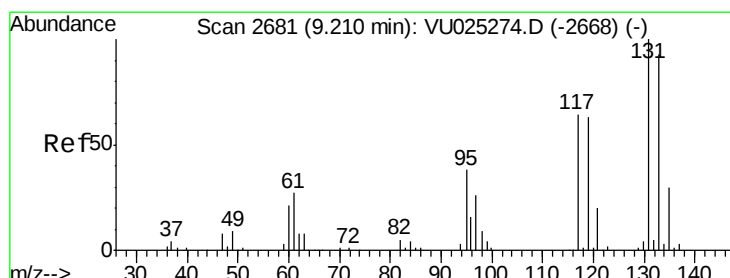
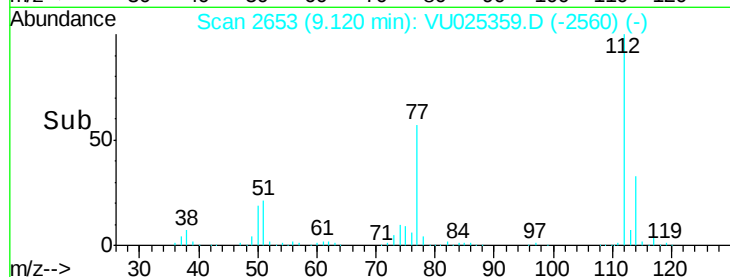
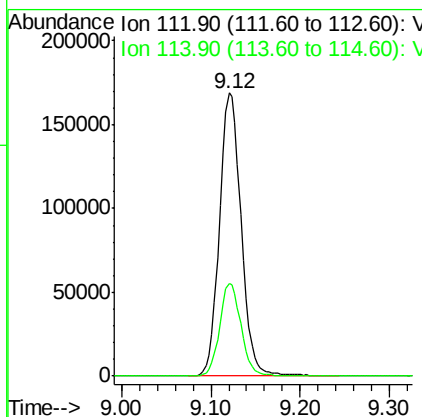
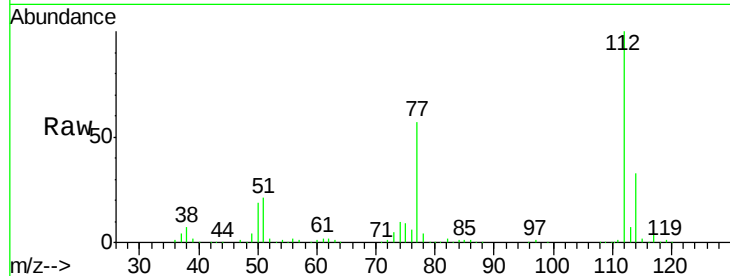
#65
Chlorobenzene
Concen: 48.786 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 285072
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8

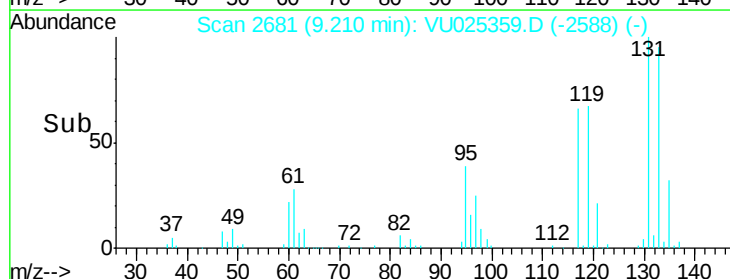
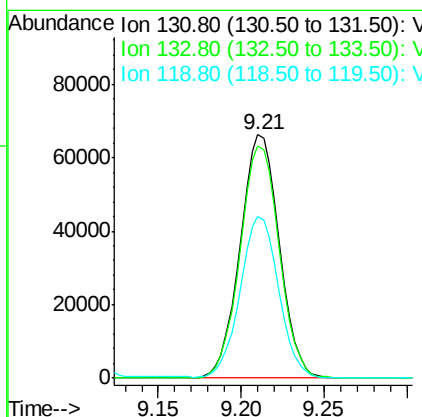
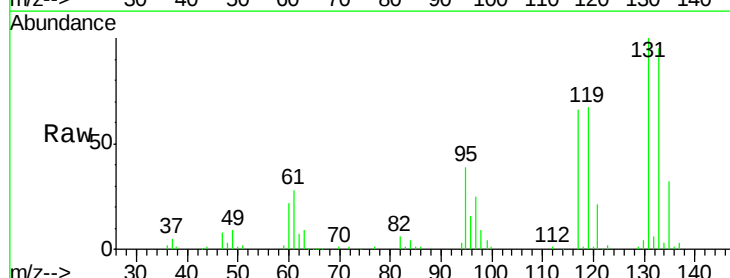
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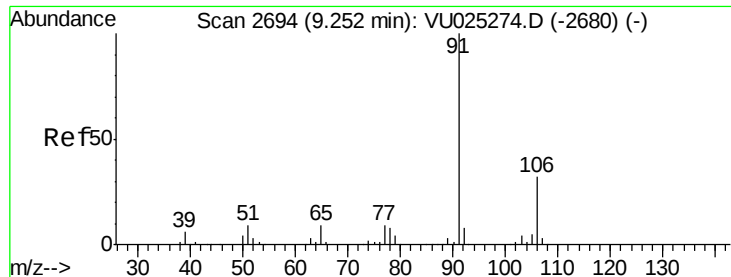
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.146 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion:131 Resp: 108998
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 65.4 31.6 95.0





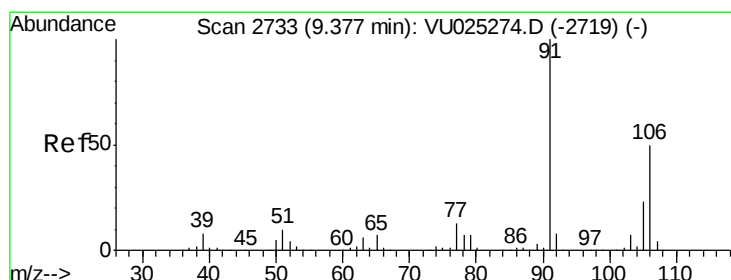
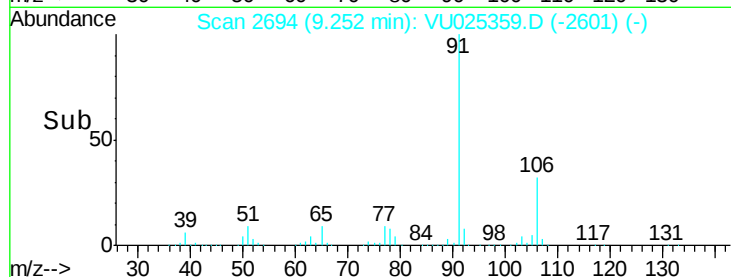
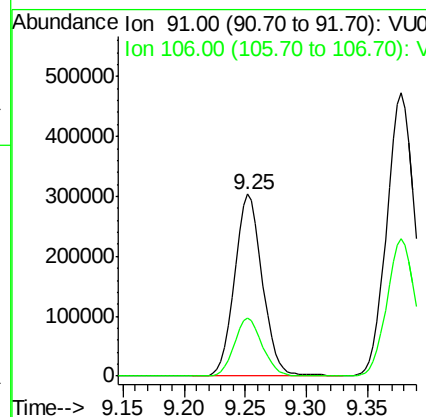
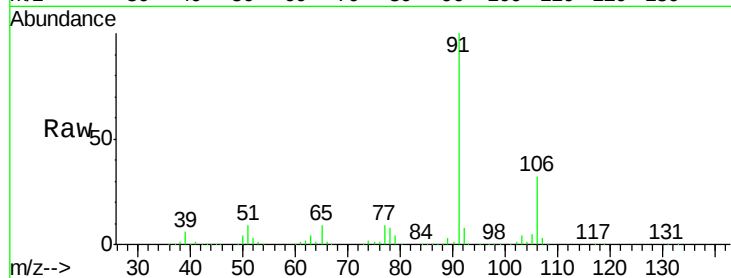
#67
Ethyl Benzene
Concen: 48.682 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 484972
Ion Ratio Lower Upper
91 100
106 32.0 25.3 37.9

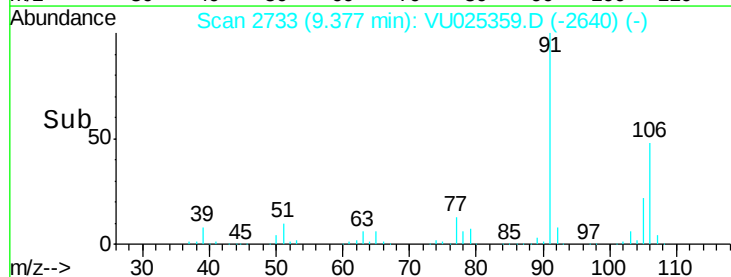
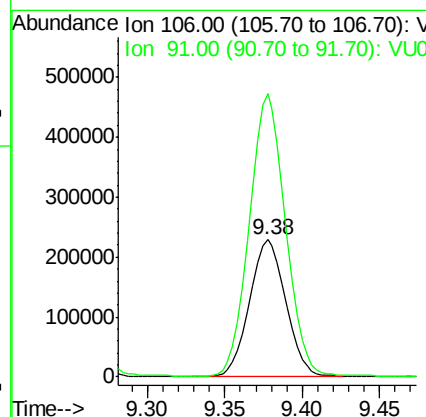
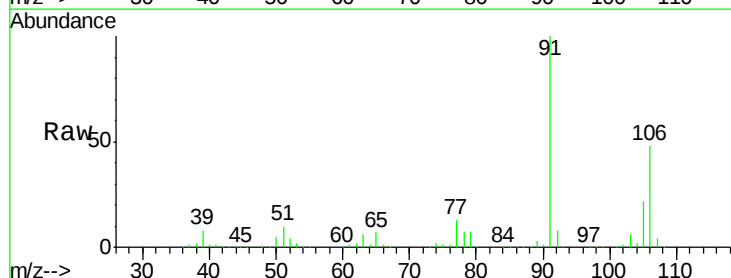
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#68
m/p-Xylenes
Concen: 96.672 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 106 Resp: 372323
Ion Ratio Lower Upper
106 100
91 208.2 162.3 243.5





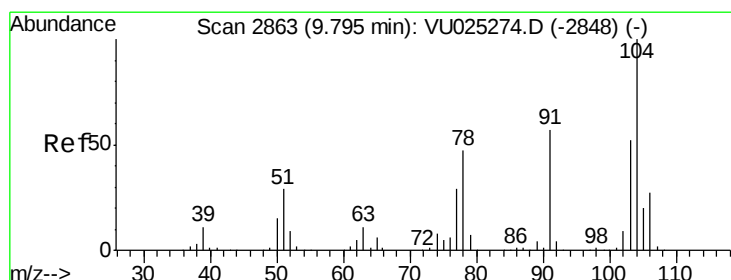
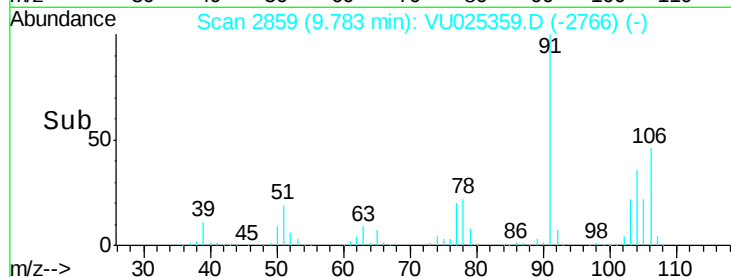
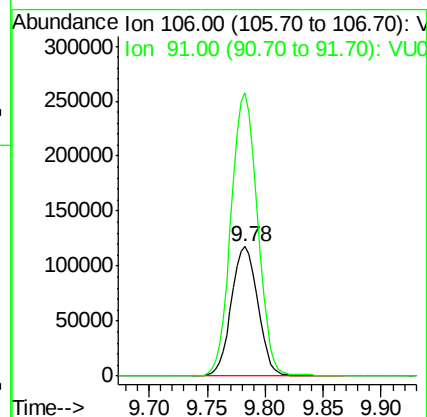
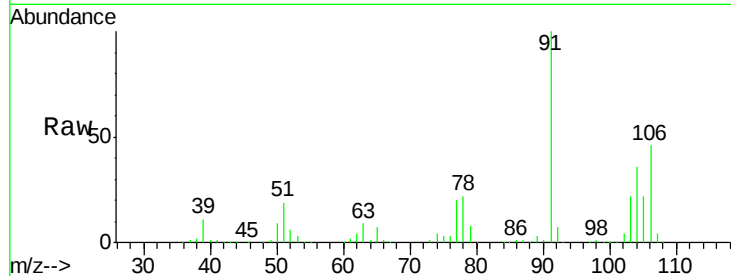
#69
o-Xylene
Concen: 48.731 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 187902
Ion Ratio Lower Upper
106 100
91 217.4 105.3 315.8

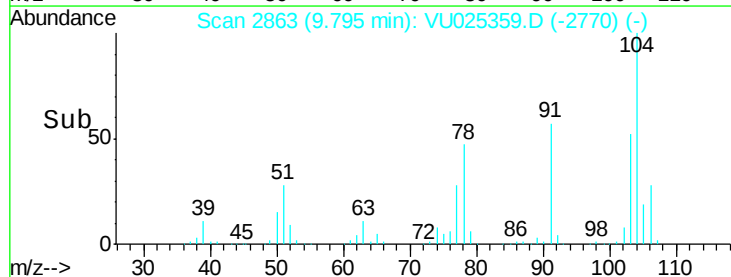
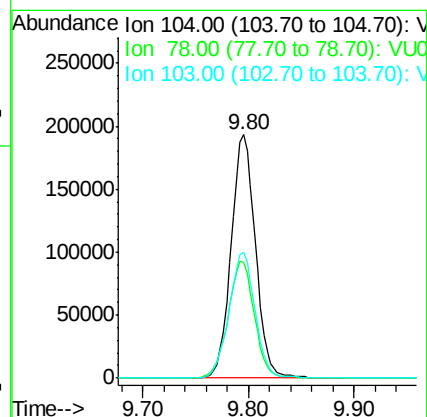
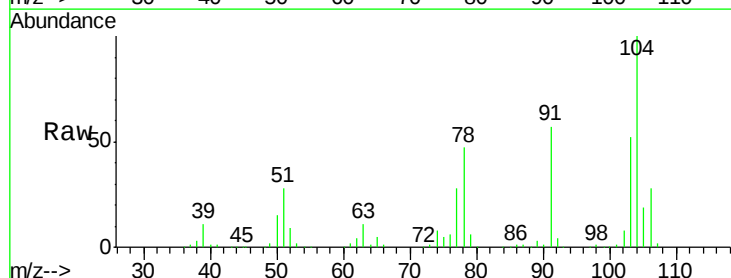
Manual Integrations
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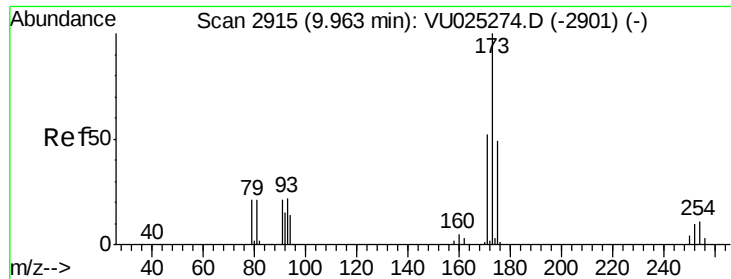
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#70
Styrene
Concen: 50.285 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion:104 Resp: 307988
Ion Ratio Lower Upper
104 100
78 51.9 41.6 62.4
103 55.4 44.6 66.8





#71

Bromoform

Concen: 44.587 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 88993

Ion Ratio Lower Upper

173 100

175 50.1 24.0 72.0

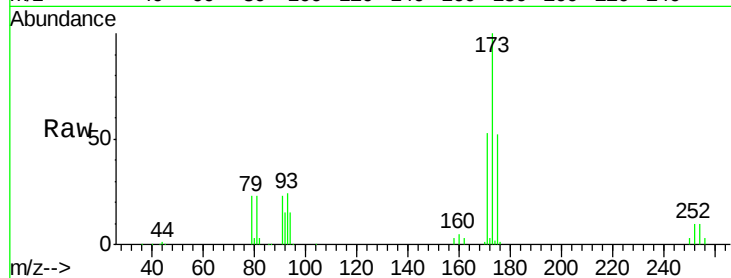
254 0.0 0.0 0.0

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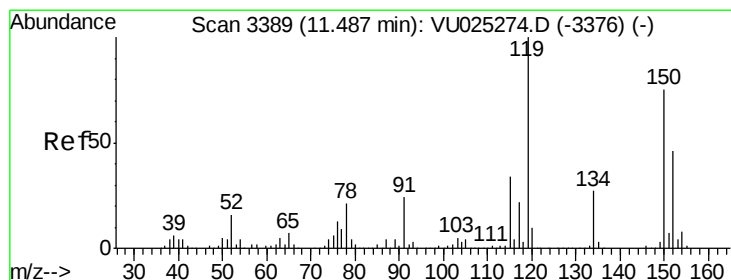
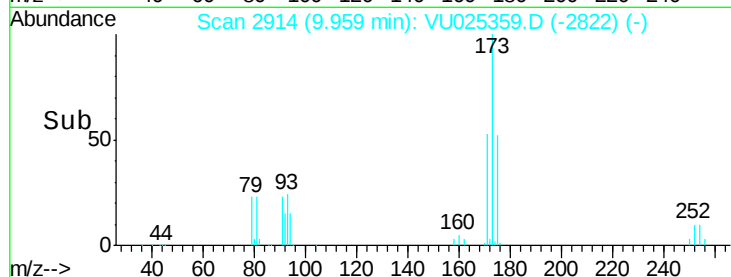
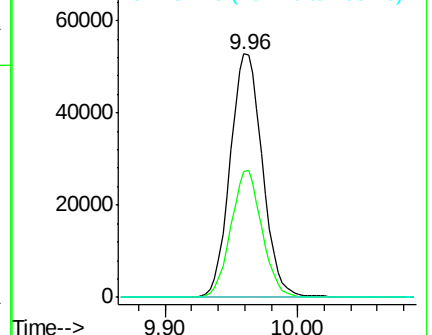
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

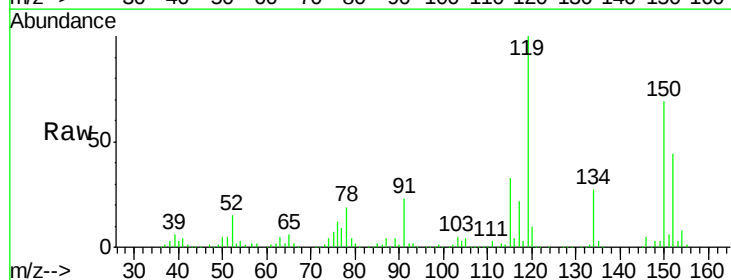
Tgt Ion:152 Resp: 141757

Ion Ratio Lower Upper

152 100

115 82.3 40.1 120.3

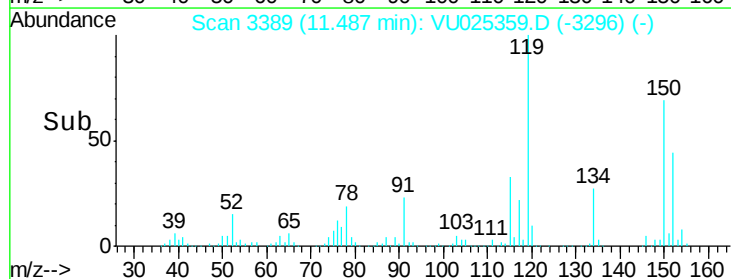
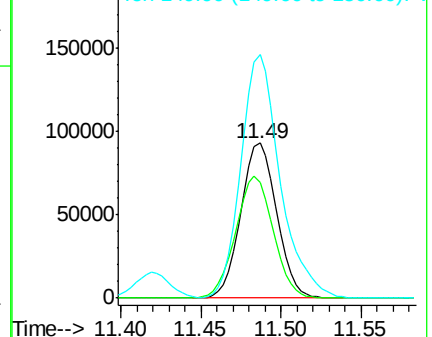
150 172.7 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.315 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 512473

Ion Ratio Lower Upper

105 100

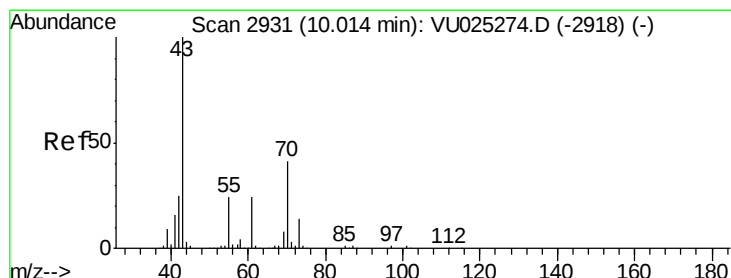
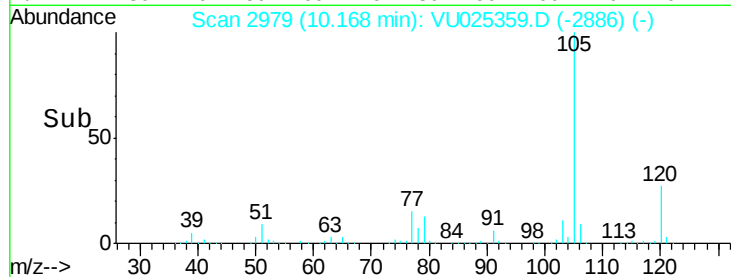
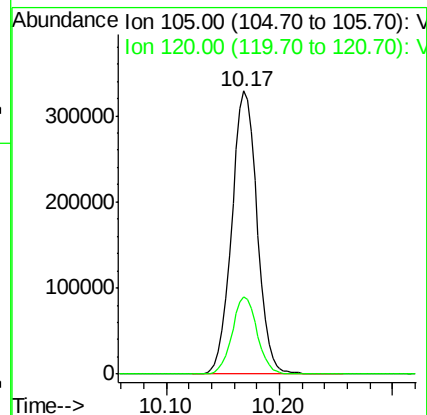
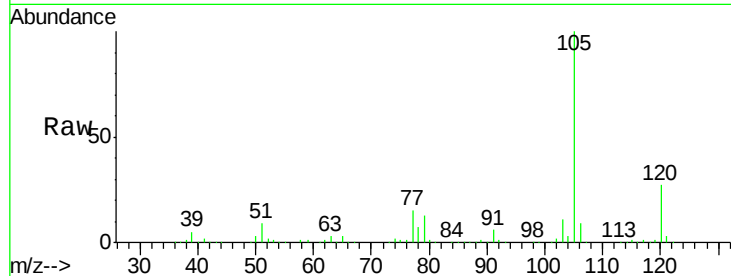
120 27.1 13.5 40.5

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#74

N-ethyl acetate

Concen: 50.126 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Tgt Ion: 43 Resp: 222236

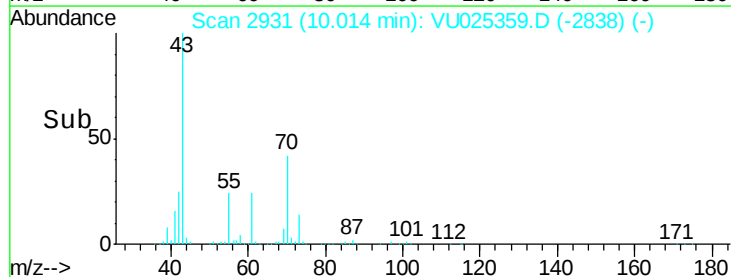
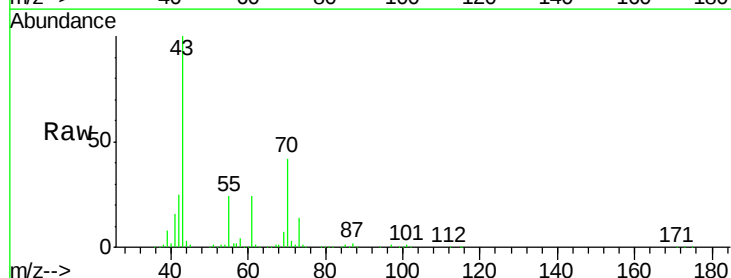
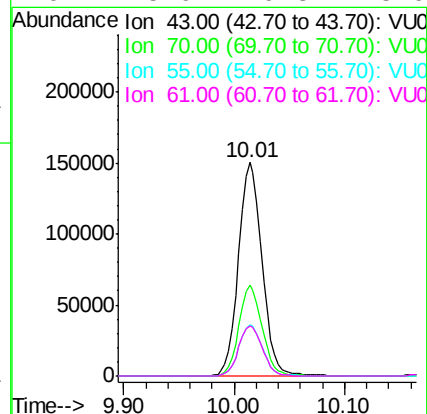
Ion Ratio Lower Upper

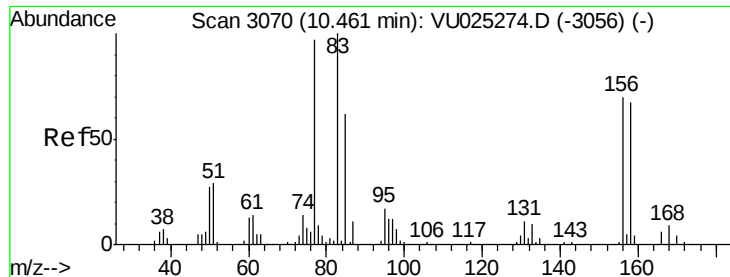
43 100

70 42.1 33.4 50.2

55 24.2 19.0 28.6

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.256 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 178082

Ion Ratio Lower Upper

83 100

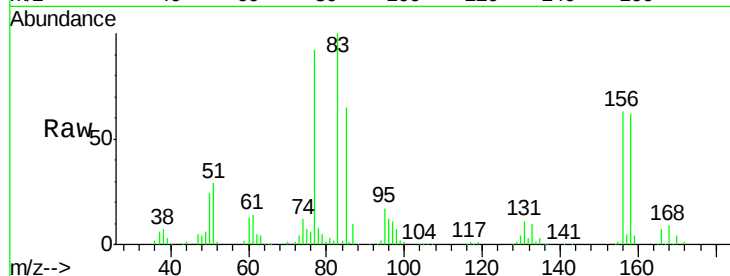
131 10.6 5.5 16.4

85 64.5 31.6 94.8

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Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0

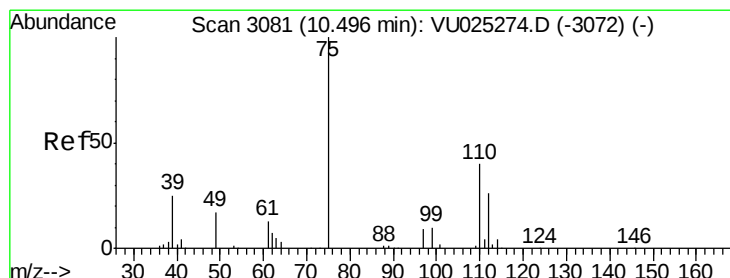
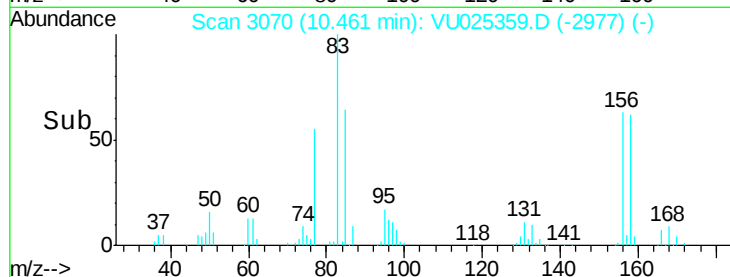
10.46

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 54.473 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025359.D

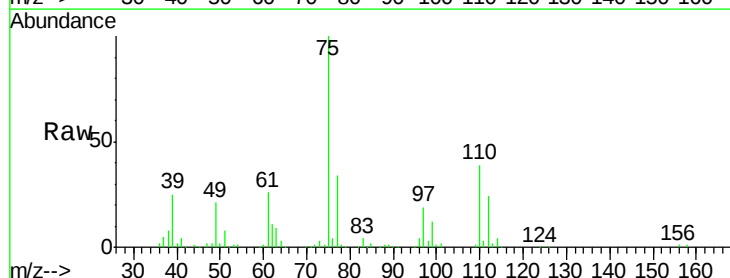
Acq: 12 Jul 2018 23:36

Tgt Ion: 75 Resp: 159705

Ion Ratio Lower Upper

75 100

77 40.8 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

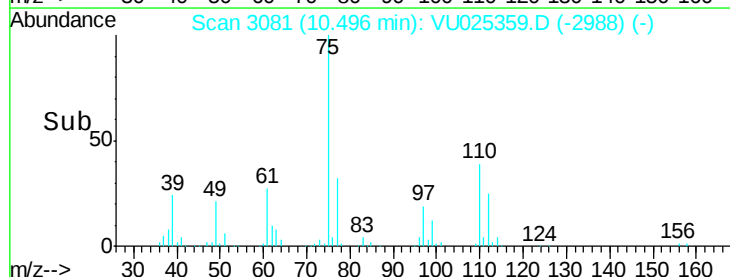
10.50

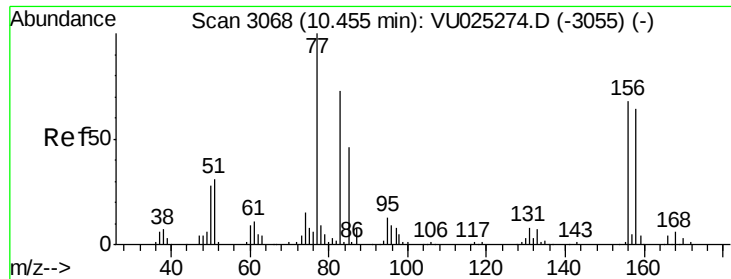
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 47.691 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

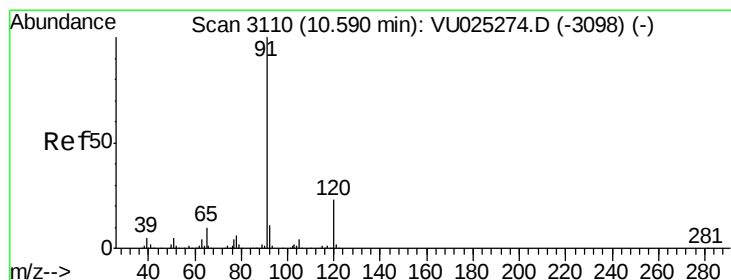
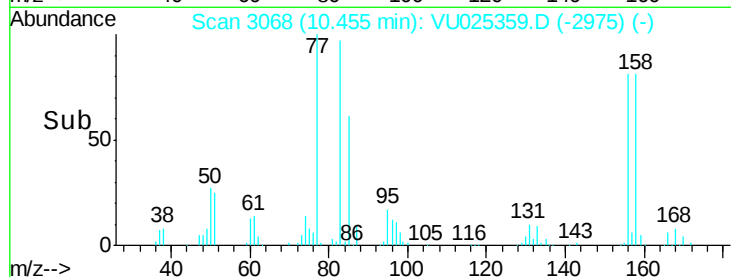
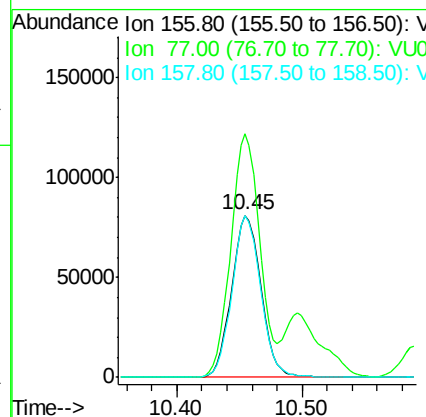
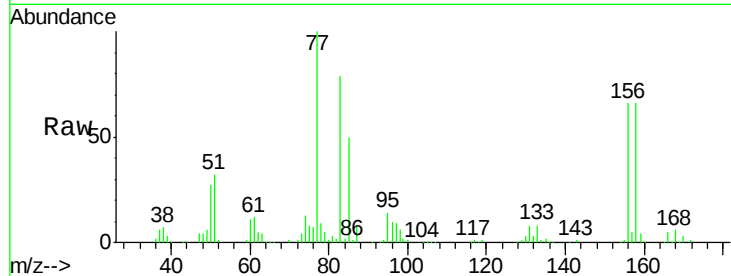
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.7	73.8	221.4
158	97.4	48.0	144.0

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#78

n-propylbenzene

Concen: 47.788 ug/l

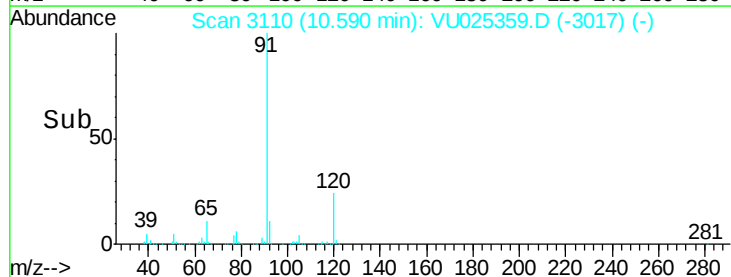
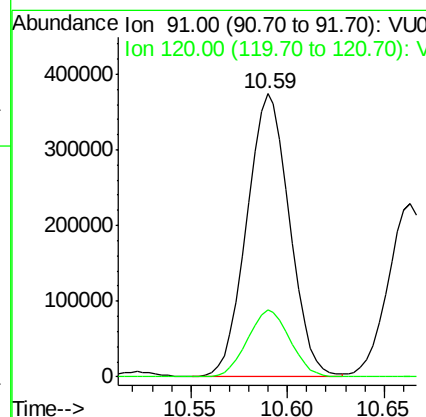
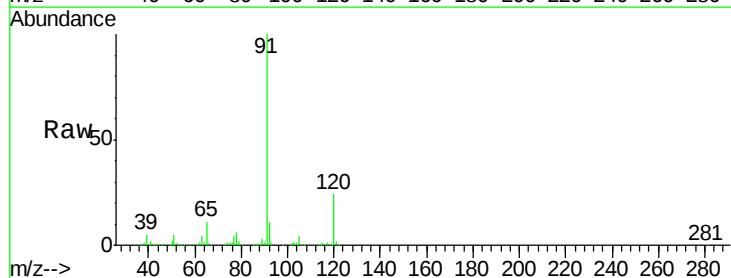
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.8	35.3





#79

2-Chlorotoluene

Concen: 51.370 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 354529

Ion Ratio Lower Upper

91 100

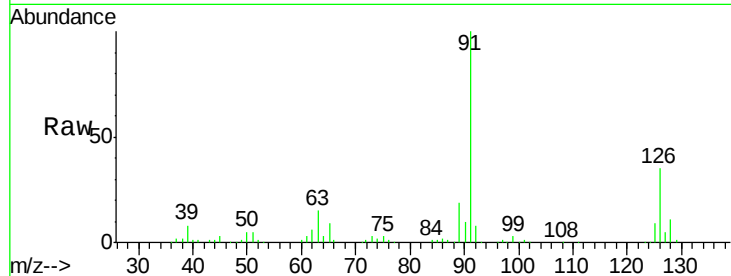
126 34.9 17.5 52.6

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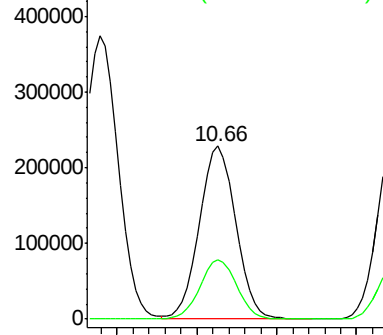
MMDadoda

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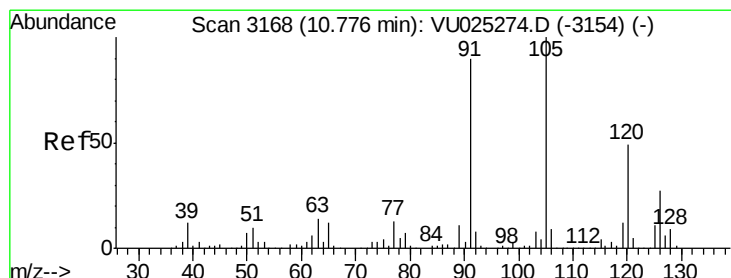
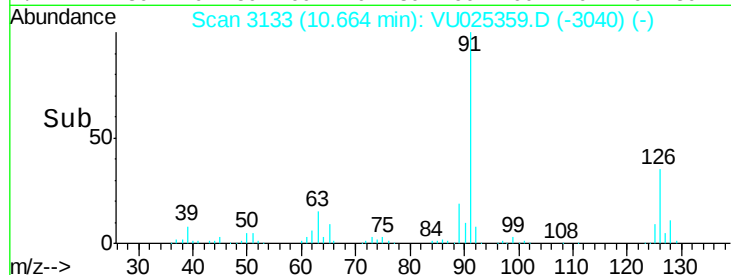


Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.418 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025359.D

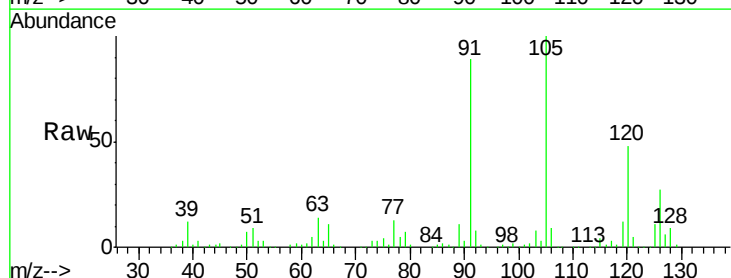
Acq: 12 Jul 2018 23:36

Tgt Ion: 105 Resp: 441270

Ion Ratio Lower Upper

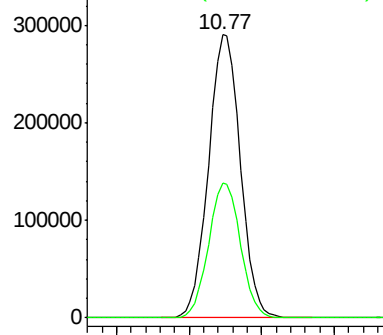
105 100

120 48.0 24.1 72.2

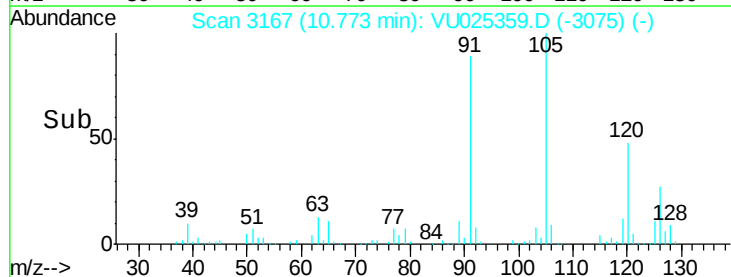


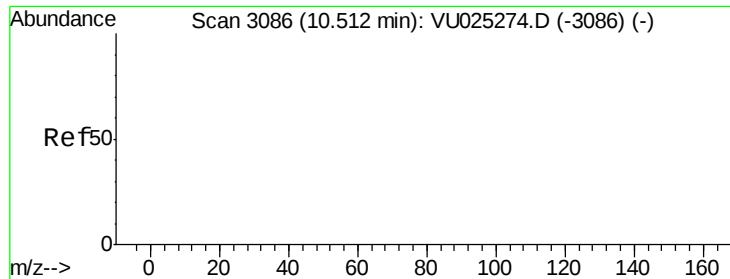
Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3154) (-)



Time-->





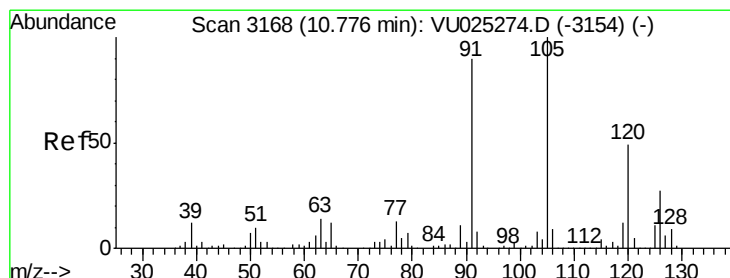
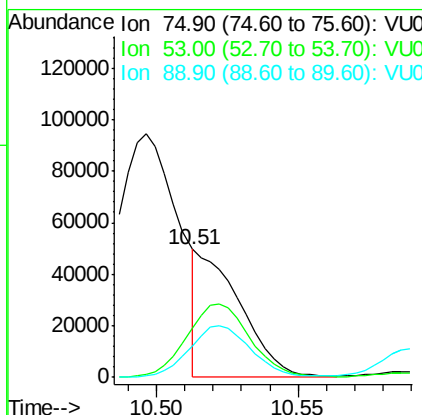
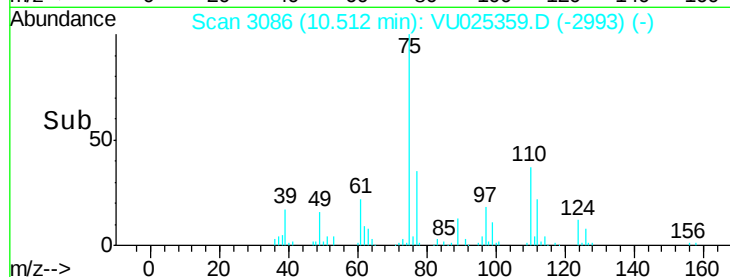
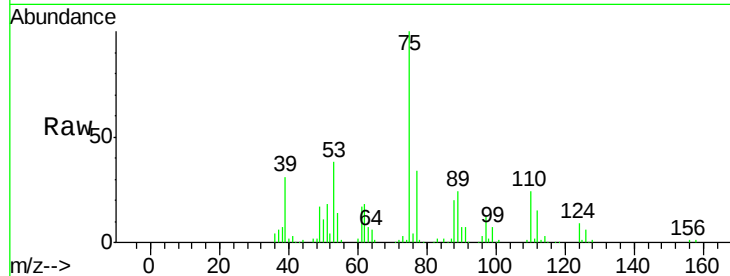
#81
trans-1,4-Dichloro-2-butene
Concen: 46.493 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

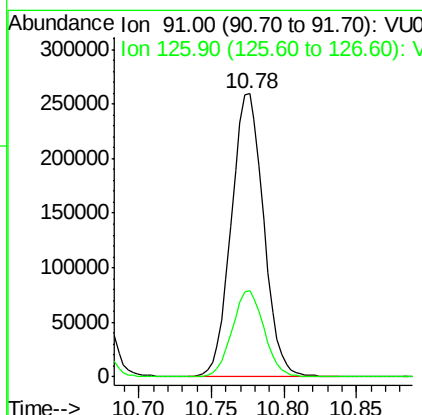
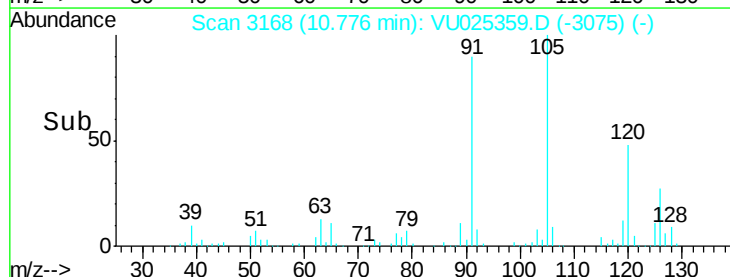
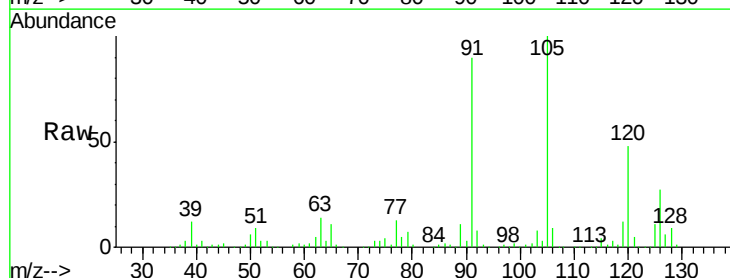
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#82
4-Chlorotoluene
Concen: 46.939 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.9





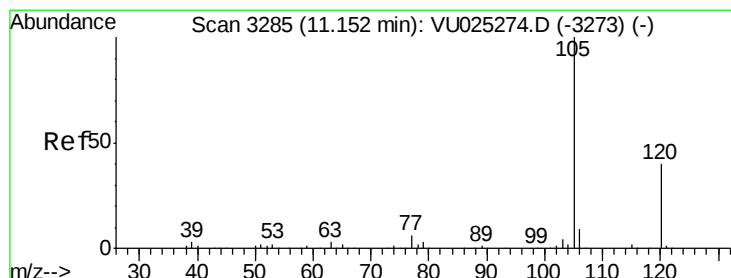
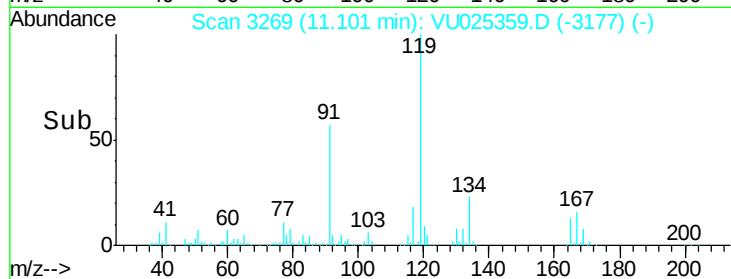
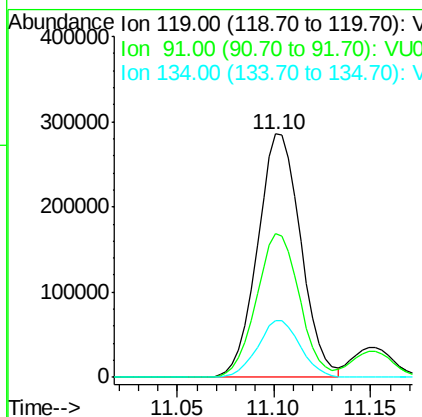
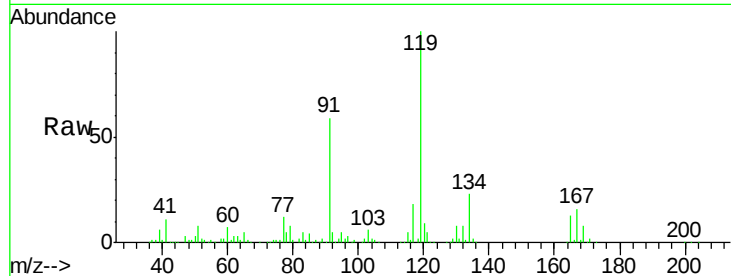
#83
tert-Butylbenzene
Concen: 48.460 ug/l
RT: 11.10 min Scan# 3269
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.7	89.1
134	23.1	11.5	34.5

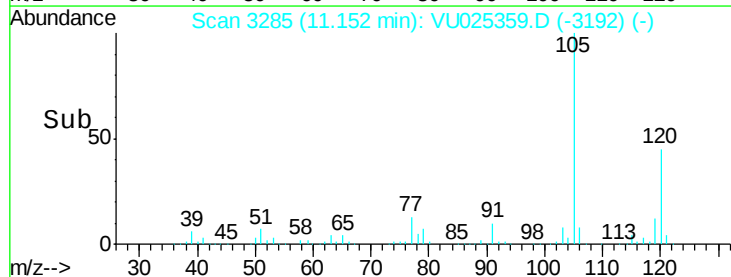
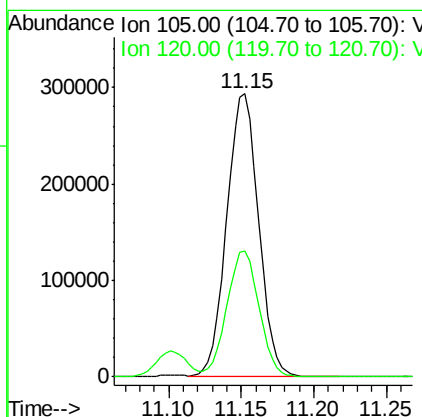
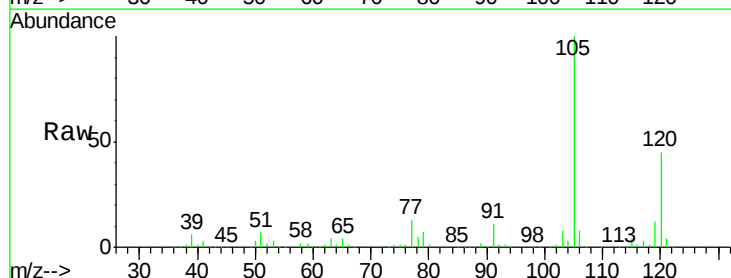
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 47.882 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.8





#85

sec-Butylbenzene

Concen: 48.823 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 529429

Ion Ratio Lower Upper

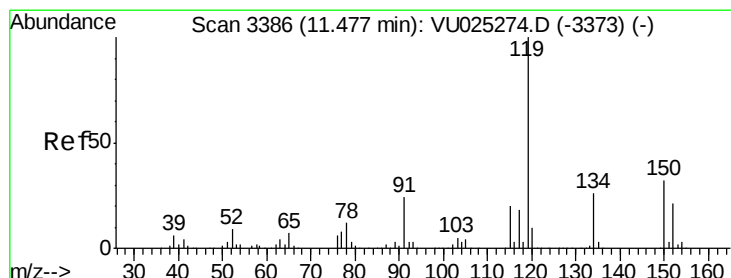
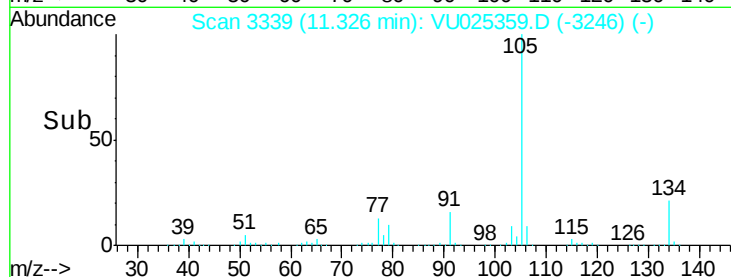
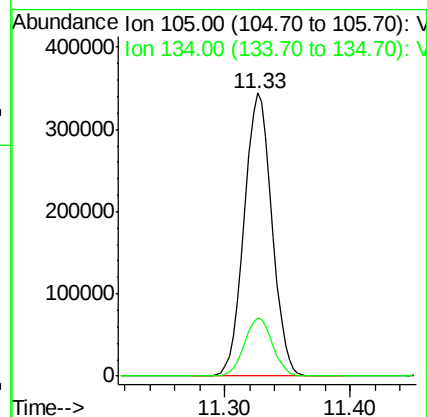
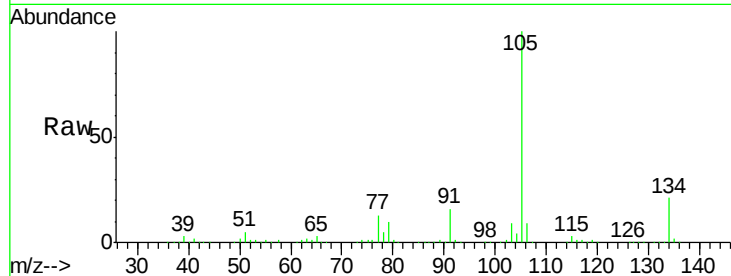
105 100

134 20.7 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 48.358 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

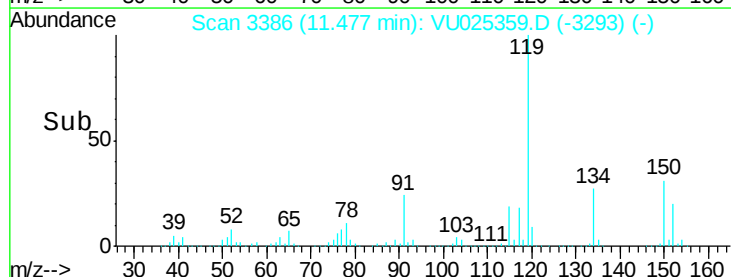
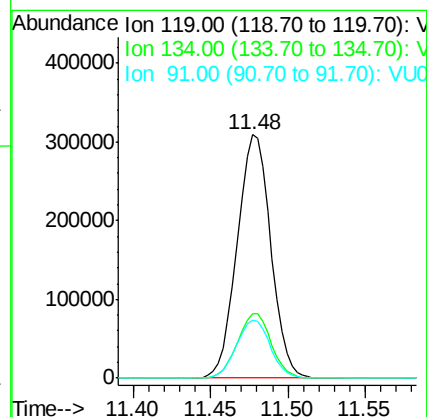
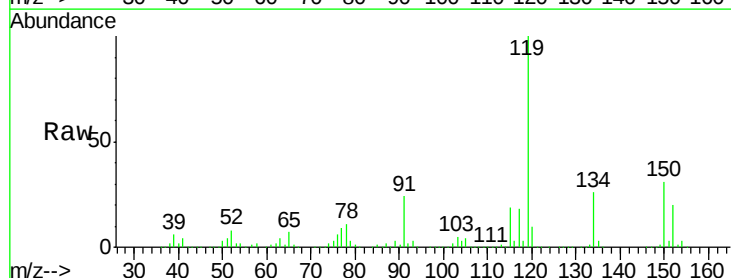
Tgt Ion:119 Resp: 464318

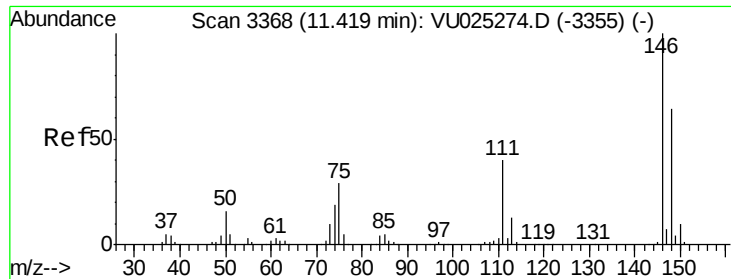
Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

91 24.0 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 47.510 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

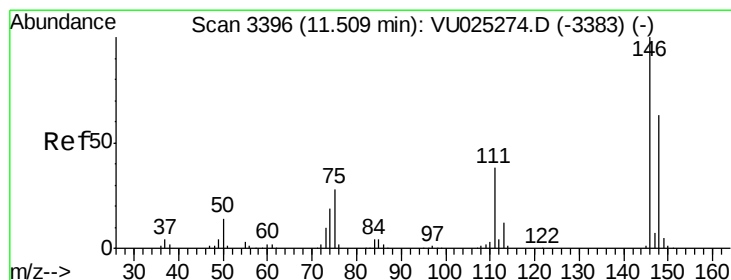
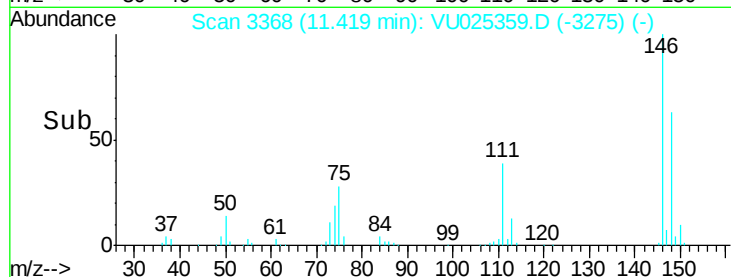
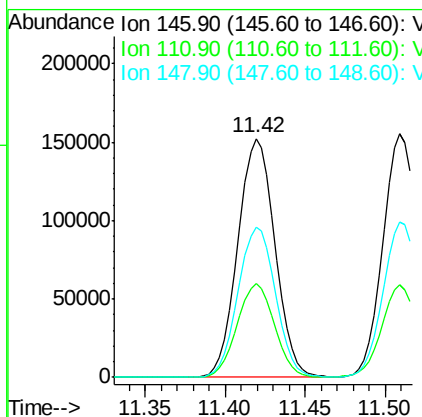
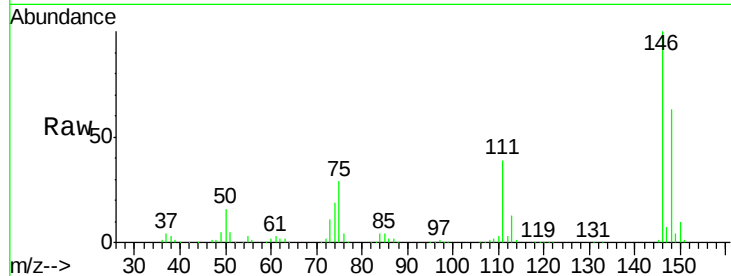
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	240593
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.7	59.1
148	63.7	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 48.825 ug/l

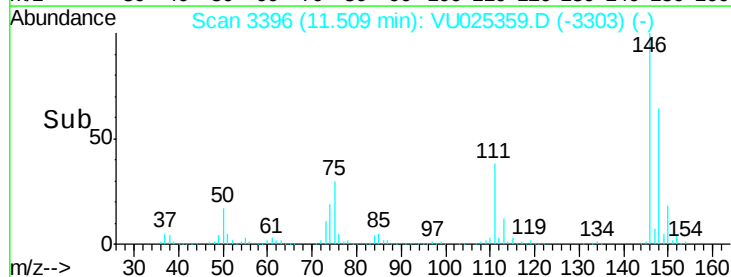
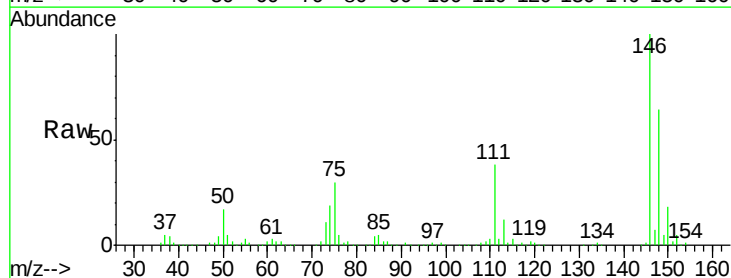
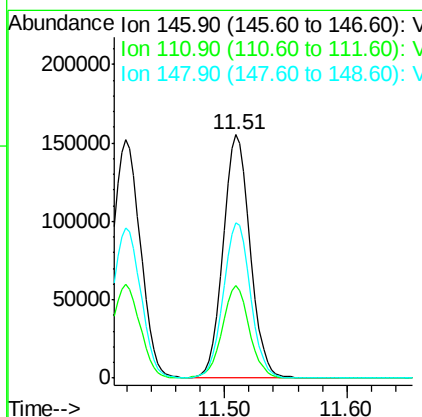
RT: 11.51 min Scan# 3396

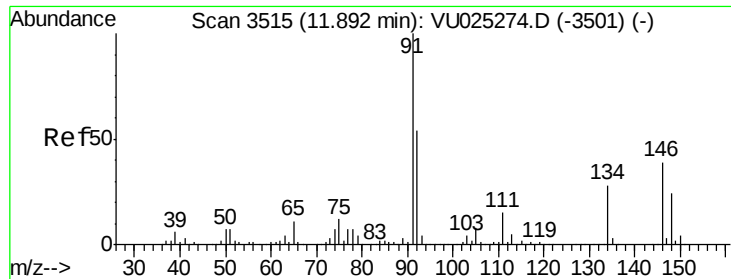
Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Tgt Ion:	146	Resp:	241328
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.4	58.1
148	64.1	31.7	95.1





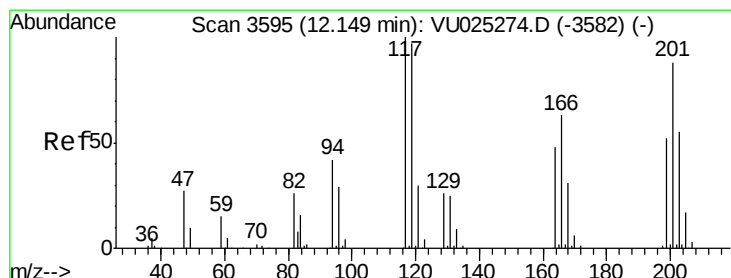
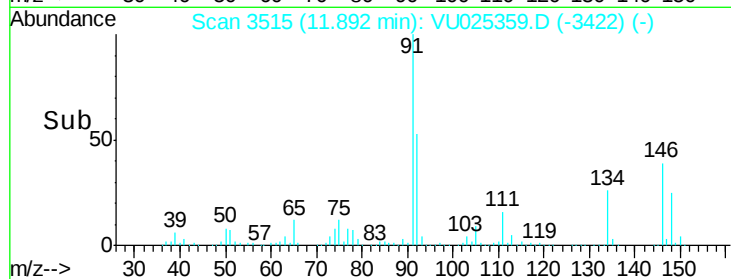
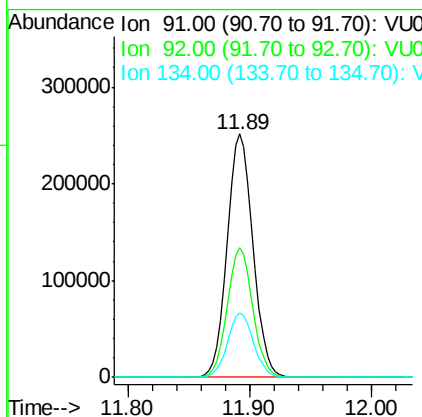
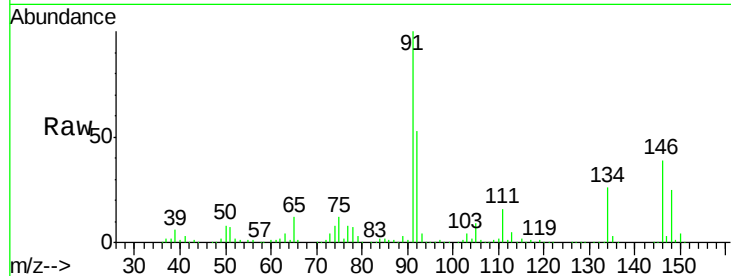
#89
n-Butylbenzene
Concen: 47.255 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	26.5	13.6	40.7

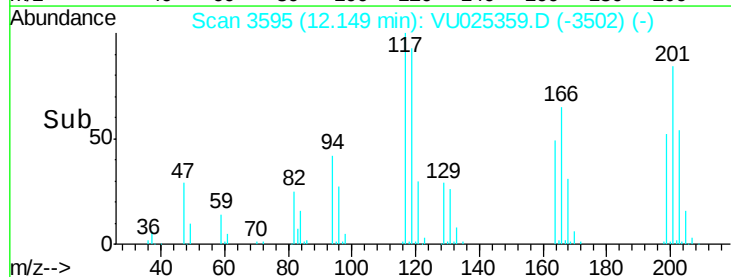
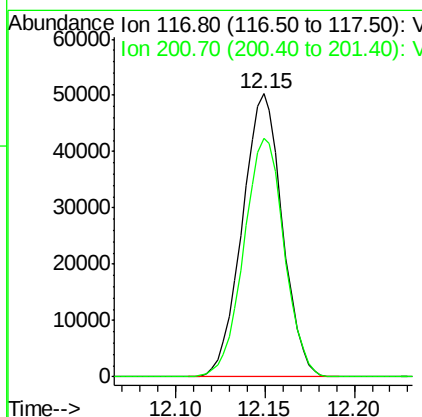
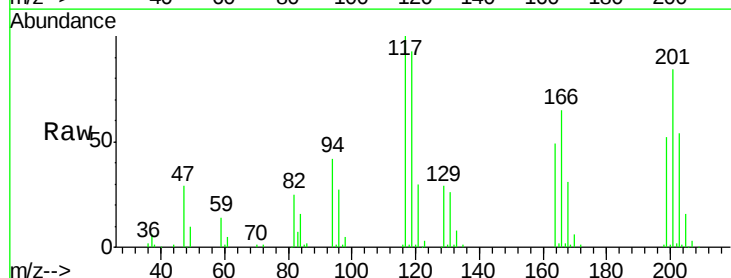
Manual Integrations
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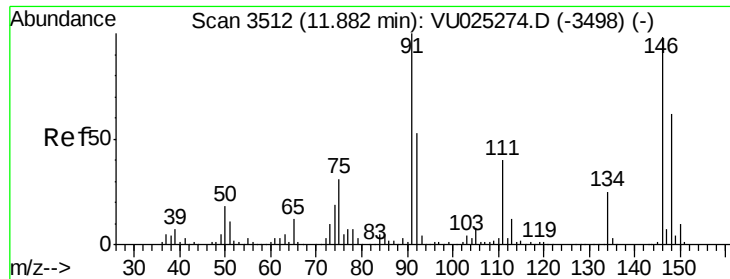
MMDadoda
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#90
Hexachloroethane
Concen: 48.424 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	42.5	127.6





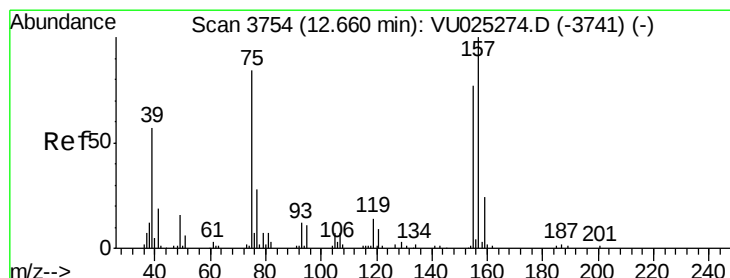
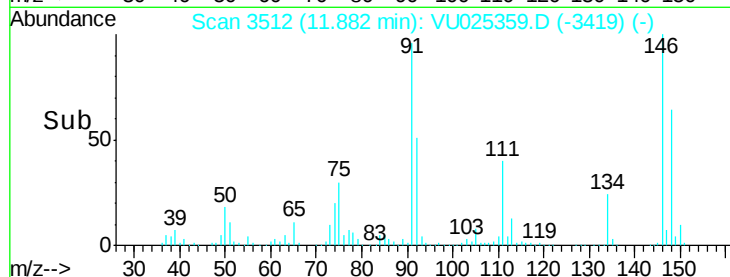
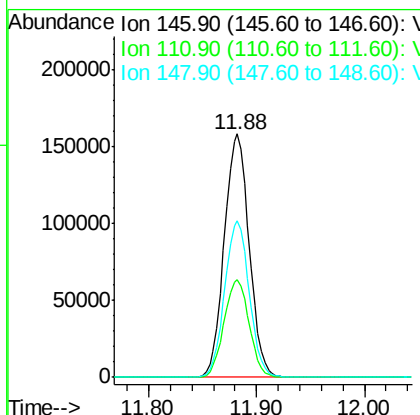
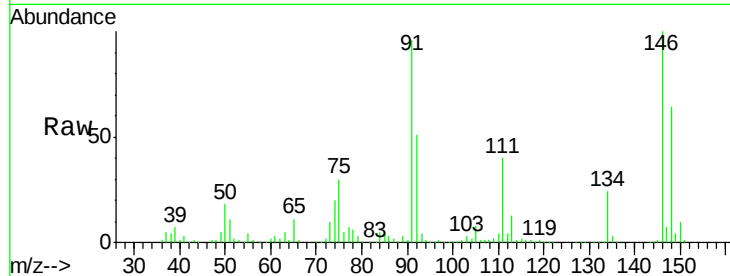
#91
 1,2-Dichlorobenzene
 Concen: 49.711 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	63.7	31.5	94.5

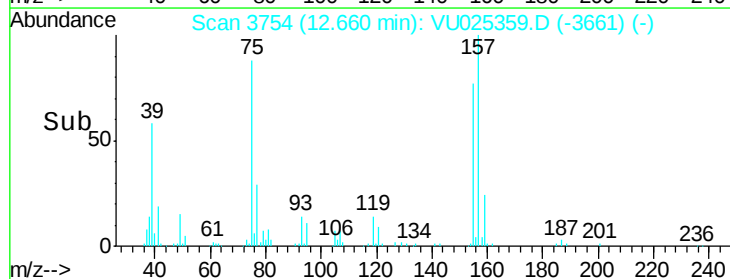
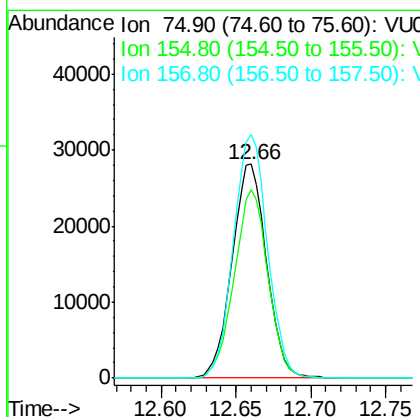
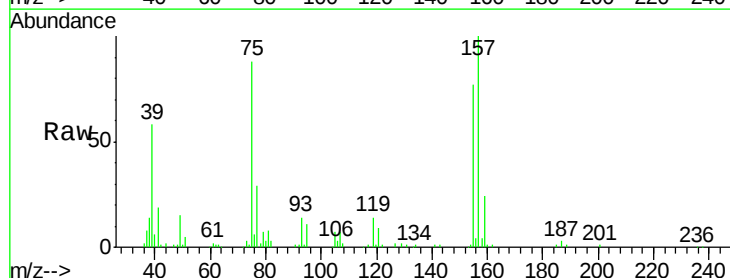
Manual Integrations
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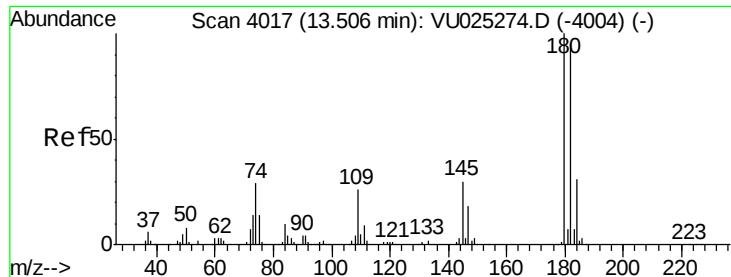
MMDadoda
 7/13/2018 11:44:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.627 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	44.5	133.3
157	111.9	57.0	170.8





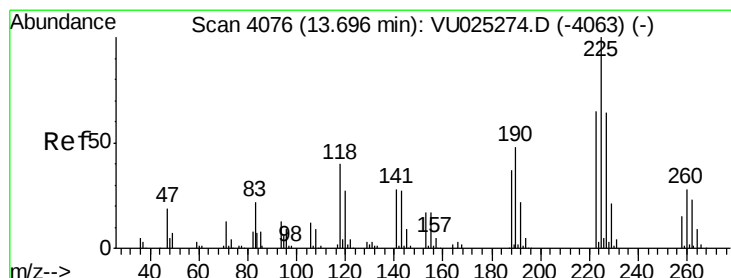
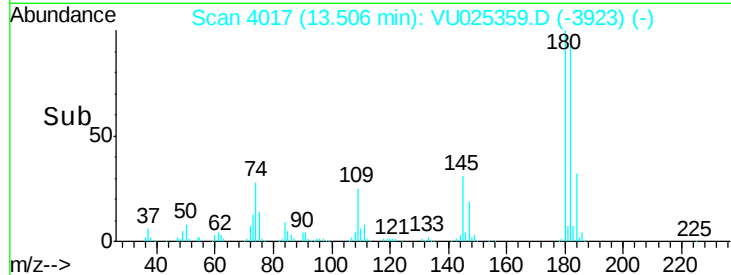
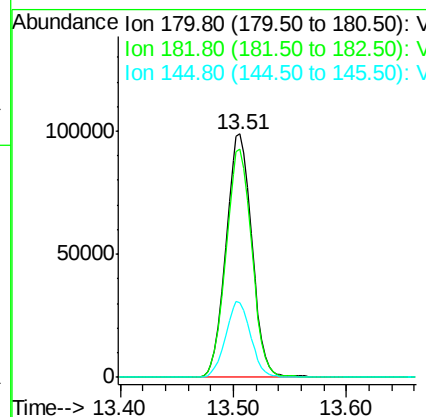
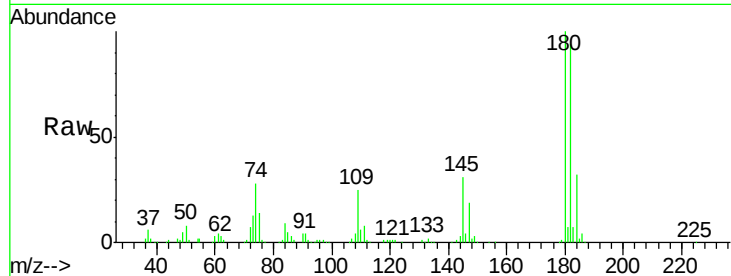
#93
 1,2,4-Trichlorobenzene
 Concen: 46.200 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	157303		
182	93.7	47.3	141.9	
145	30.1	14.9	44.7	

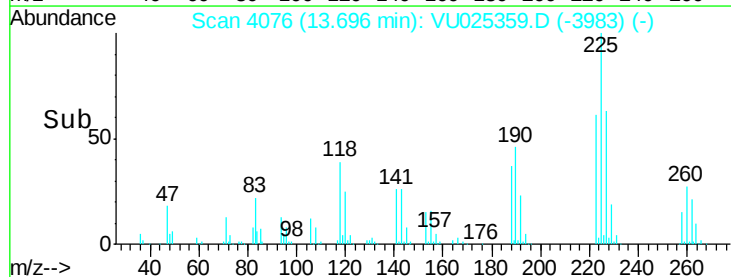
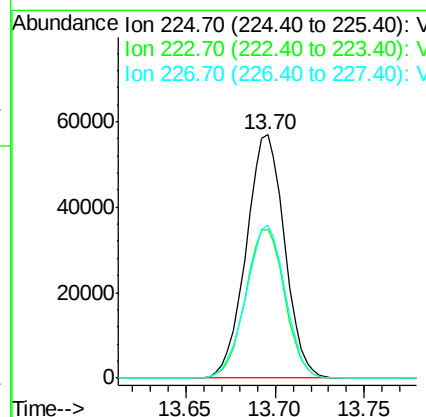
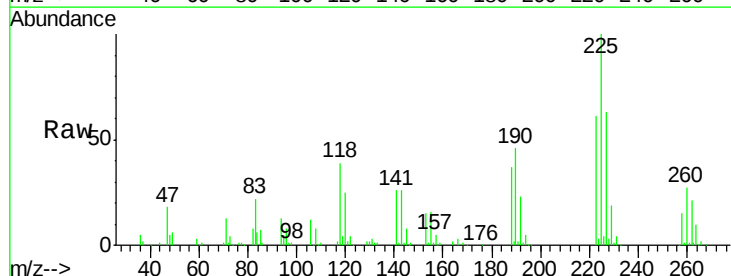
Manual Integrations
 APPROVED

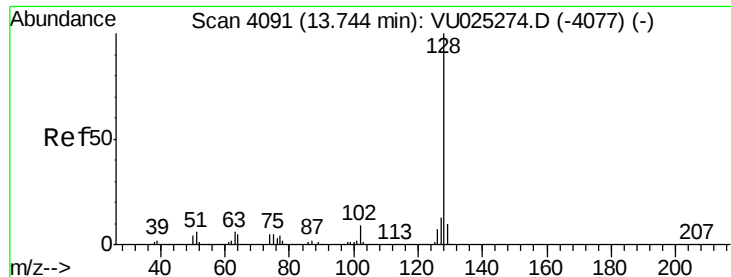
MMDadoda
 7/13/2018 11:44:19 AM



#94
 Hexachlorobutadiene
 Concen: 46.679 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85382		
223	62.9	31.9	95.7	
227	64.1	32.3	96.9	





#95

Naphthalene

Concen: 49.773 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

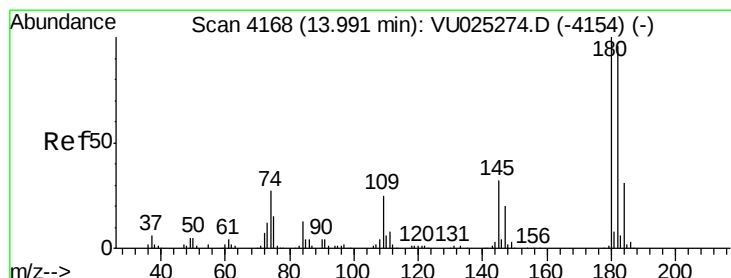
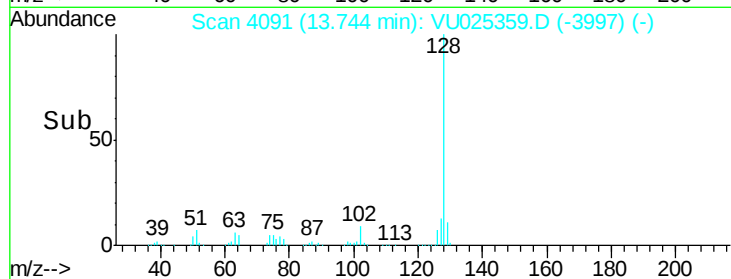
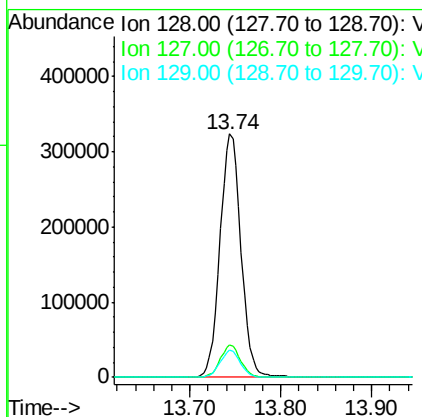
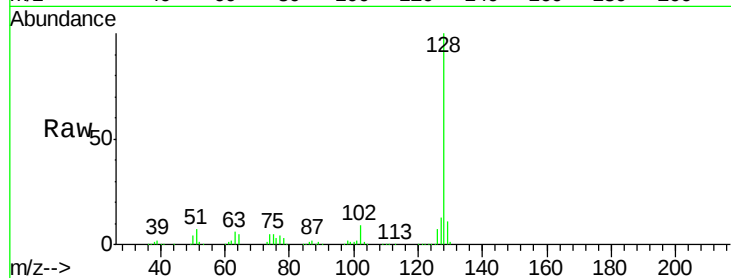
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	517929
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.703 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Tgt Ion:	180	Resp:	169104
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.8	143.3
145	31.9	15.6	46.8

