

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025758.D
 Acq On : 31 Jul 2018 22:48
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:41:10 AM

Quant Time: Aug 01 06:05:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	182204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274732	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	141036	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	4.89	113	117106	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	7.57	98	420436	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	10.31	95	166077	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	144152	52.346	ug/l	99
3) Chloromethane	1.33	50	117976	44.821	ug/l	100
4) Vinyl Chloride	1.40	62	122095	49.291	ug/l	99
5) Bromomethane	1.62	94	63432	52.431	ug/l	100
6) Chloroethane	1.69	64	69873	48.242	ug/l	99
7) Trichlorofluoromethane	1.88	101	179701	50.177	ug/l	99
8) Diethyl Ether	2.10	74	63230	48.795	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	104804	50.567	ug/l	99
10) Methyl Iodide	2.41	142	93860	48.802	ug/l	100
11) Tert butyl alcohol	2.83	59	140286	225.703	ug/l	100
12) 1,1-Dichloroethene	2.28	96	98742	50.473	ug/l	95
13) Acrolein	2.19	56	70090	311.880	ug/l	100
14) Allyl chloride	2.59	41	164982	46.927	ug/l	97
15) Acrylonitrile	2.94	53	310036	249.832	ug/l	99
16) Acetone	2.32	43	276563	199.815	ug/l	97
17) Carbon Disulfide	2.48	76	299207	47.257	ug/l	99
18) Methyl Acetate	2.62	43	190699	57.244	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	363604	51.288	ug/l	99
20) Methylene Chloride	2.70	84	116117	47.338	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	110911	49.043	ug/l	99
22) Diisopropyl ether	3.57	45	355570	51.324	ug/l	94
23) Vinyl Acetate	3.53	43	1487034	246.295	ug/l	100
24) 1,1-Dichloroethane	3.45	63	209855	50.461	ug/l	99
25) 2-Butanone	4.26	43	439390	233.204	ug/l	100
26) 2,2-Dichloropropane	4.23	77	159201	42.116	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	125181	49.096	ug/l	98
28) Bromochloromethane	4.55	49	93856	50.476	ug/l	98
29) Tetrahydrofuran	4.64	42	276120	244.611	ug/l	99
30) Chloroform	4.68	83	218800	49.844	ug/l	100
31) Cyclohexane	5.00	56	179164	49.513	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	199924	50.586	ug/l	98
36) 1,1-Dichloropropene	5.14	75	161891	50.422	ug/l	99
37) Ethyl Acetate	4.38	43	163848	49.216	ug/l	99
38) Carbon Tetrachloride	5.14	117	181763	49.982	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	180044	48.942	ug/l	99
40) Benzene	5.39	78	464559	49.500	ug/l	98
41) Methacrylonitrile	4.54	41	93132	50.366	ug/l	99
42) 1,2-Dichloroethane	5.41	62	178329	49.347	ug/l	99
43) Isopropyl Acetate	5.55	43	271509	49.353	ug/l	99
44) Trichloroethene	6.19	130	131070	50.149	ug/l	99
45) 1,2-Dichloropropane	6.44	63	120548	49.251	ug/l	99
46) Dibromomethane	6.56	93	87603	49.395	ug/l	99
47) Bromodichloromethane	6.76	83	169538	50.115	ug/l	99
48) Methyl methacrylate	6.63	41	139419	51.707	ug/l	98
49) 1,4-Dioxane	6.62	88	60246	918.193	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	863502	250.711	ug/l	100
52) Toluene	7.64	92	297222	50.977	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	190226	50.079	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	198169	50.788	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	122025	50.361	ug/l	98
56) Ethyl methacrylate	8.02	69	179857	51.952	ug/l	97
57) 1,3-Dichloropropane	8.25	76	203199	49.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	356938	228.313	ug/l	99
59) 2-Hexanone	8.36	43	667431	247.211	ug/l	98
60) Dibromochloromethane	8.48	129	142693	49.939	ug/l	99
61) 1,2-Dibromoethane	8.59	107	134872	50.051	ug/l	100
64) Tetrachloroethene	8.23	164	119072	50.612	ug/l	97
65) Chlorobenzene	9.12	112	343600	49.860	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	128184	51.419	ug/l	99
67) Ethyl Benzene	9.25	91	581158	50.912	ug/l	100
68) m/p-Xylenes	9.38	106	459119	104.764	ug/l	98
69) o-Xylene	9.78	106	218828	51.091	ug/l	97
70) Styrene	9.80	104	365962	52.898	ug/l	98
71) Bromoform	9.96	173	113457	52.487	ug/l #	99
73) Isopropylbenzene	10.17	105	597149	51.437	ug/l	100
74) N-amyl acetate	10.01	43	243771	51.435	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	196962	49.060	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	179883m	47.997	ug/l	
77) Bromobenzene	10.45	156	162116	50.627	ug/l	98
78) n-propylbenzene	10.59	91	701811	51.793	ug/l	99
79) 2-Chlorotoluene	10.66	91	409962	51.655	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	515771	52.312	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	62561m	41.857	ug/l	
82) 4-Chlorotoluene	10.77	91	487418	52.100	ug/l	99
83) tert-Butylbenzene	11.10	119	500244	51.066	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	523544	52.400	ug/l	98
85) sec-Butylbenzene	11.33	105	613011	51.254	ug/l	100
86) p-Isopropyltoluene	11.48	119	554754	51.800	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	300441	50.547	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	304530	49.151	ug/l	99
89) n-Butylbenzene	11.89	91	495193	50.107	ug/l	100
90) Hexachloroethane	12.15	117	92415	48.534	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	297127	50.999	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48156	50.596	ug/l	98

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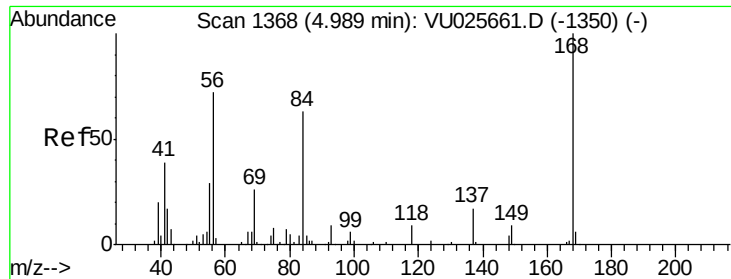
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	207898	52.871	ug/l	98
94) Hexachlorobutadiene	13.70	225	93904	45.304	ug/l	99
95) Naphthalene	13.74	128	634270	50.213	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	207642	52.936	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 182204

Ion Ratio Lower Upper

168 100

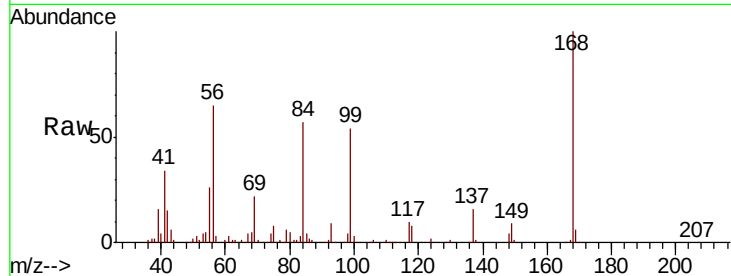
99 54.4 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

80000

60000

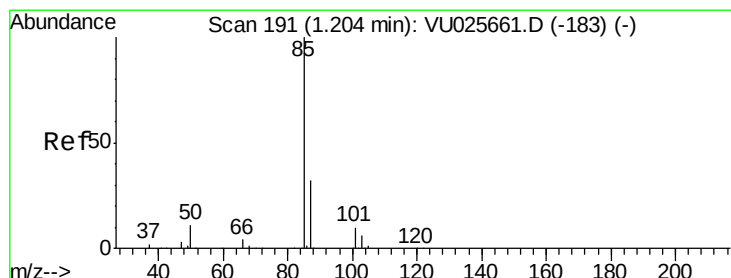
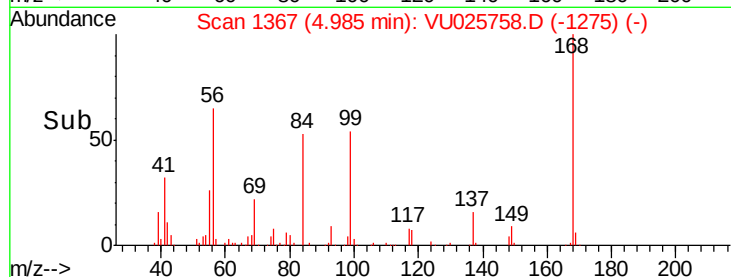
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.346 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025758.D

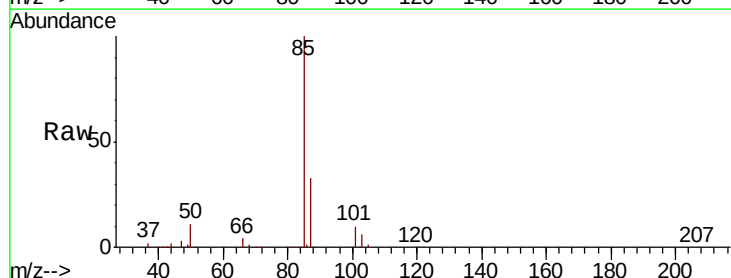
Acq: 31 Jul 2018 22:48

Tgt Ion: 85 Resp: 144152

Ion Ratio Lower Upper

85 100

87 32.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

150000

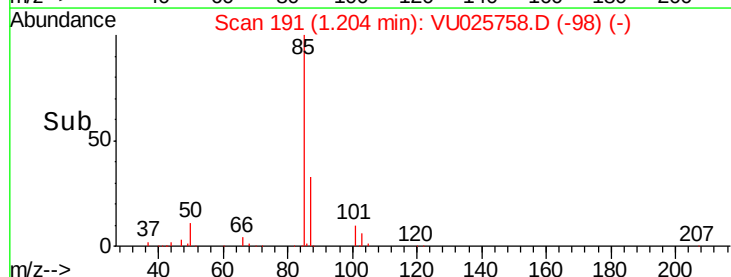
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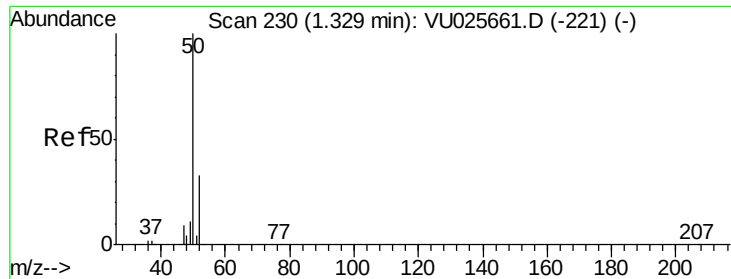
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.821 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 117976

Ion Ratio Lower Upper

50 100

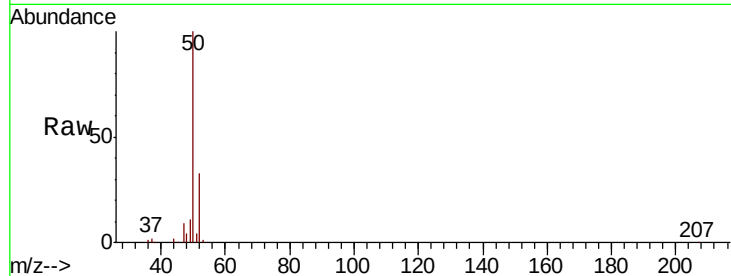
52 33.2 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU025661.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025758.D (-137) (-)

1.33

120000

100000

80000

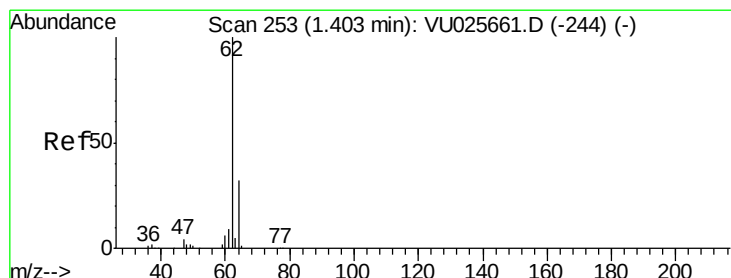
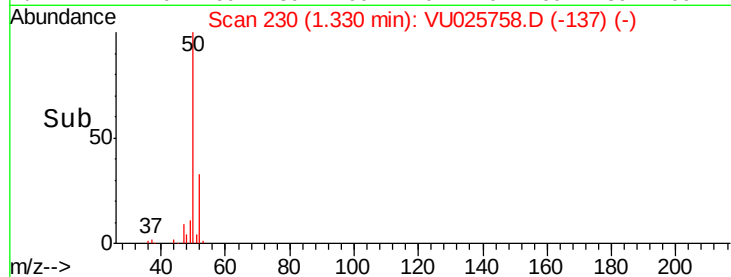
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.291 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025758.D

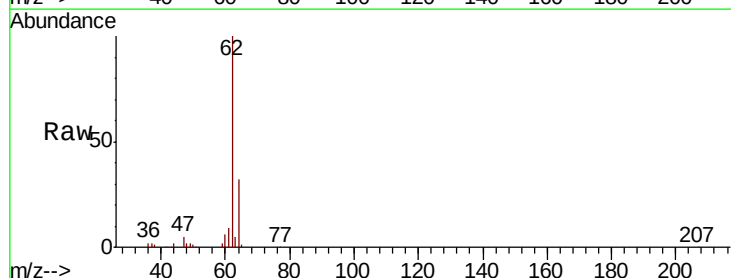
Acq: 31 Jul 2018 22:48

Tgt Ion: 62 Resp: 122095

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU025661.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU025758.D (-160) (-)

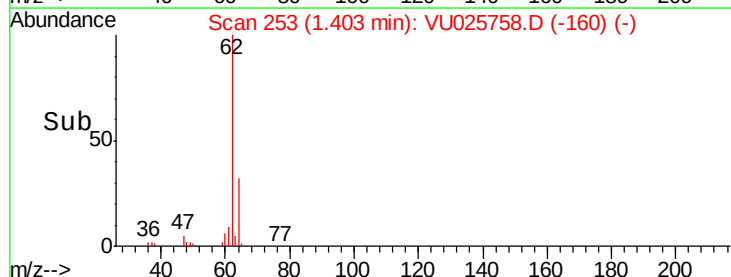
1.40

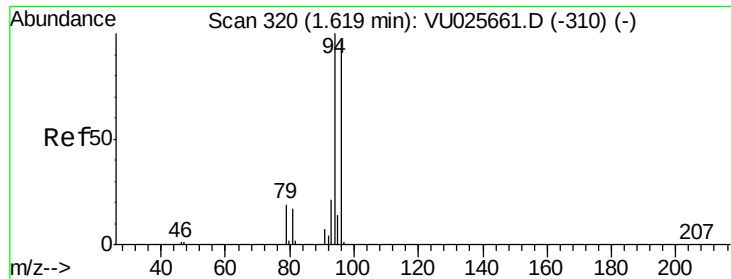
100000

50000

0

Time-->





#5

Bromomethane

Concen: 52.431 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 63432

Ion Ratio Lower Upper

94 100

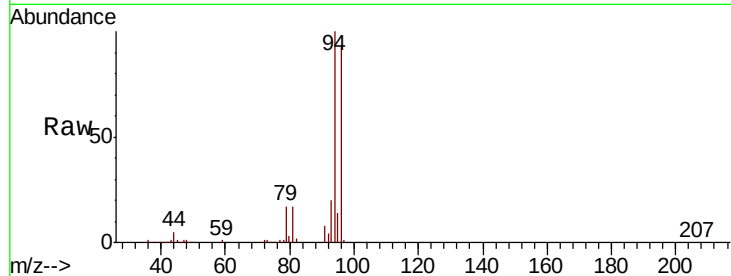
96 93.3 75.0 112.4

Manual Integrations

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8/2/2018 9:41:10 AM

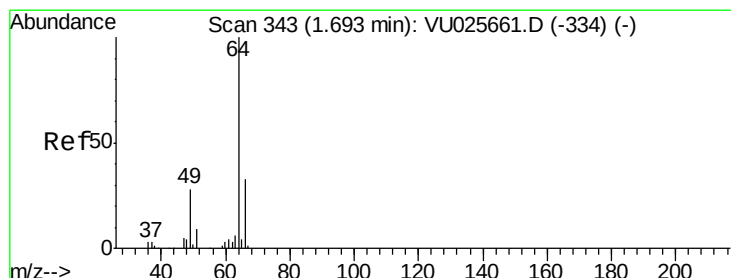
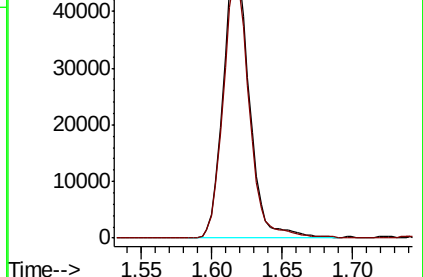
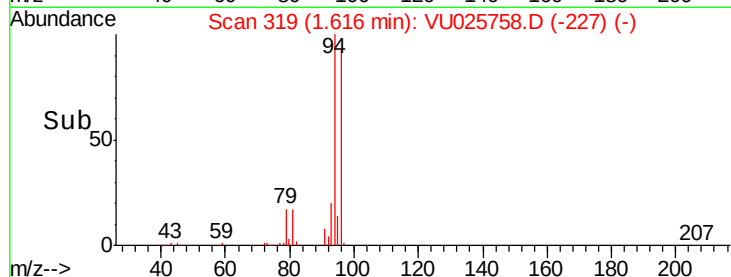


Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

1.62

Time-->



#6

Chloroethane

Concen: 48.242 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025758.D

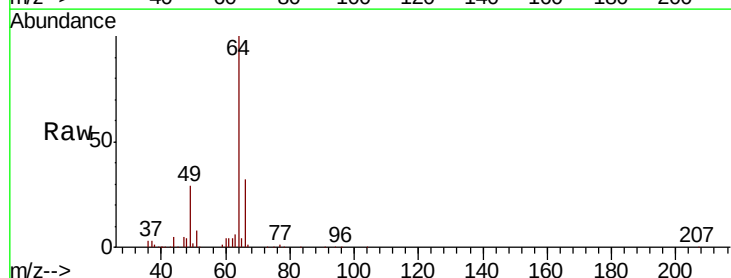
Acq: 31 Jul 2018 22:48

Tgt Ion: 64 Resp: 69873

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.4

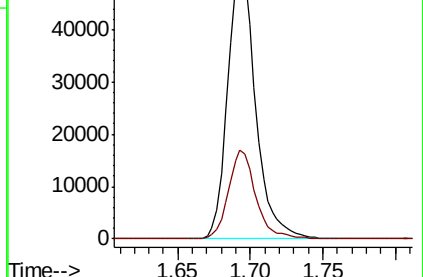
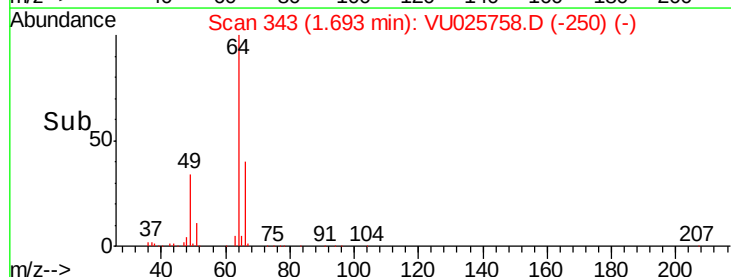


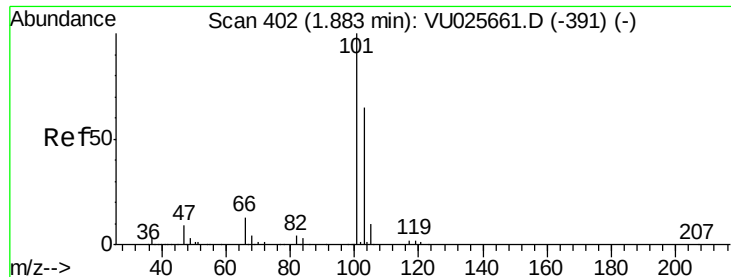
Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

1.69

Time-->





#7

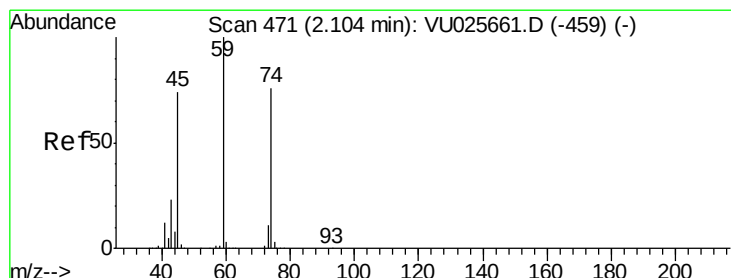
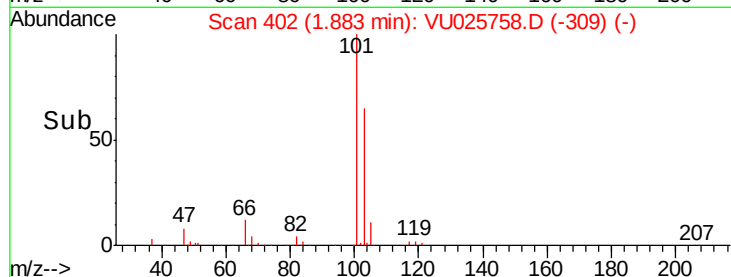
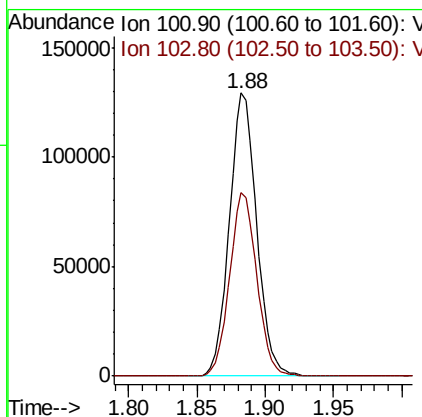
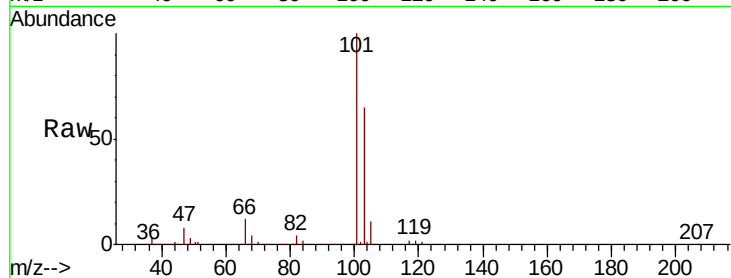
Trichlorofluoromethane
 Concen: 50.177 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.2

Manual Integrations
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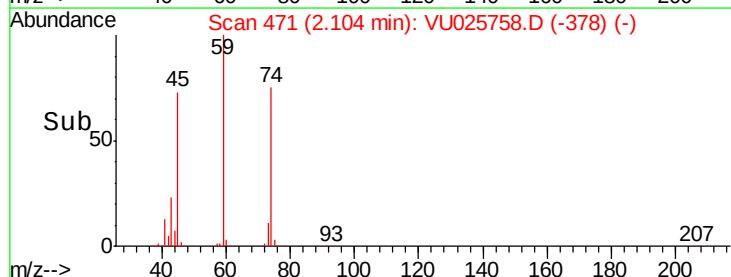
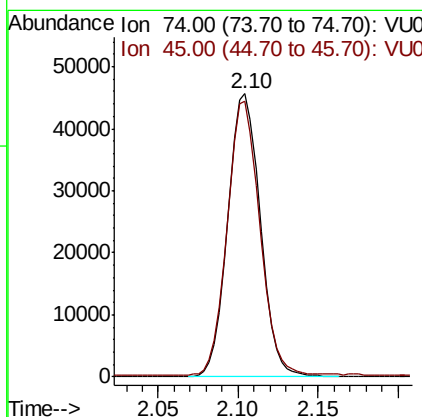
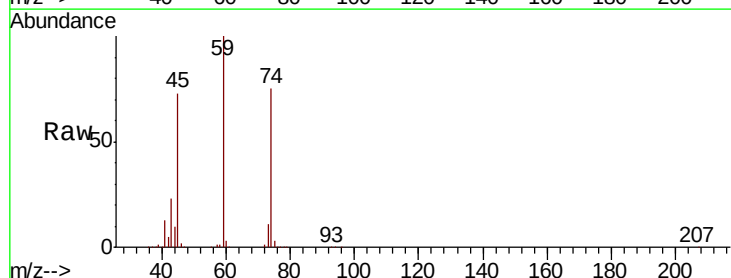
MMDadoda
 8/2/2018 9:41:10 AM

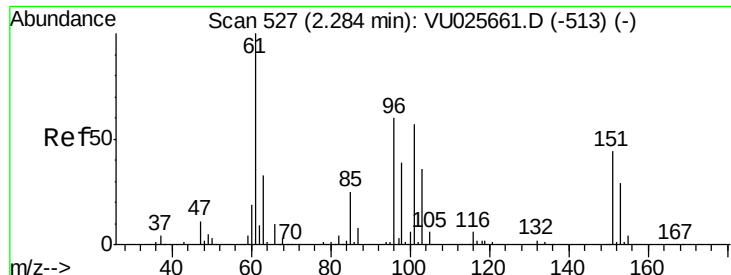


#8

Diethyl Ether
 Concen: 48.795 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.567 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

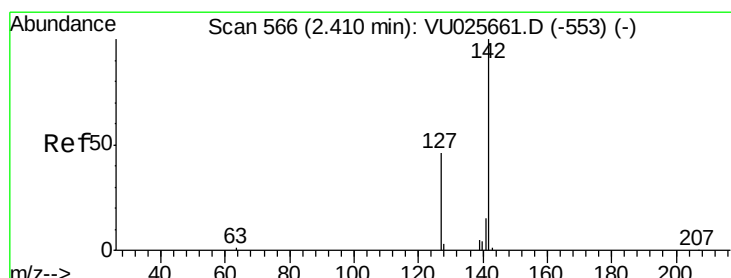
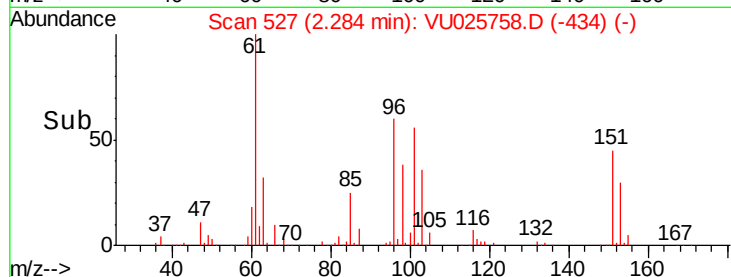
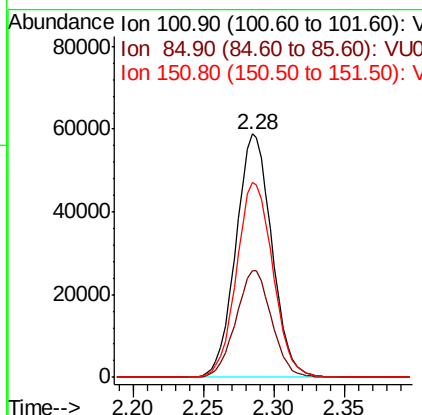
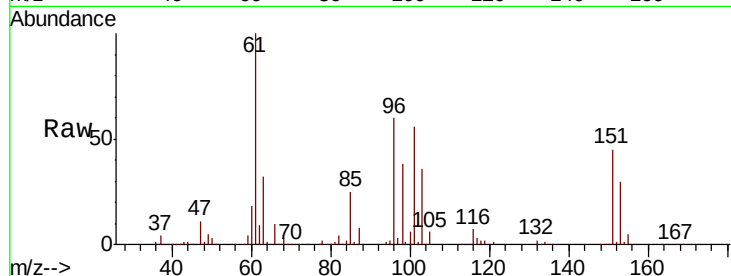
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	104804
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.0	54.0
151	81.4	65.6	98.4

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#10

Methyl Iodide

Concen: 48.802 ug/l

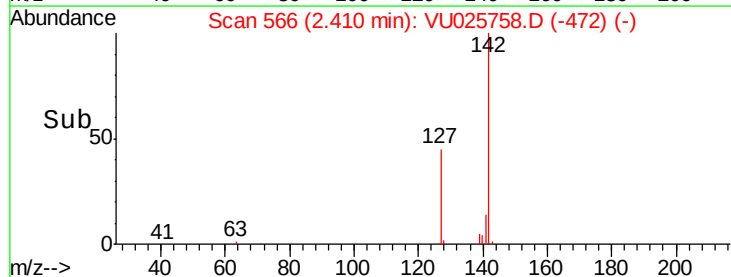
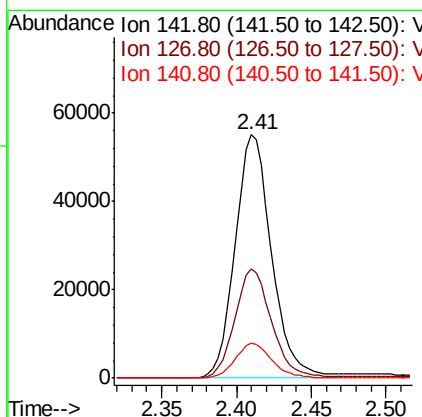
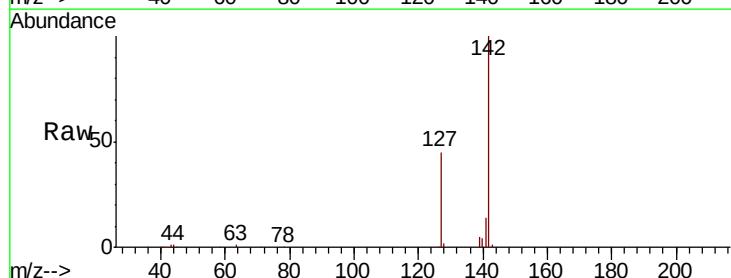
RT: 2.41 min Scan# 566

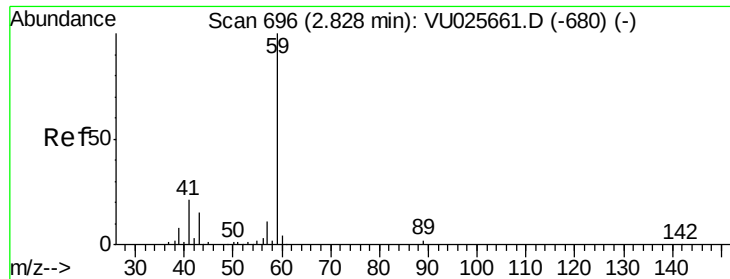
Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Tgt Ion:	142	Resp:	93860
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.5	54.7
141	14.5	11.4	17.2





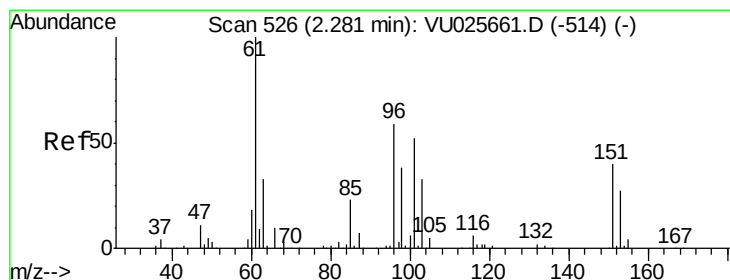
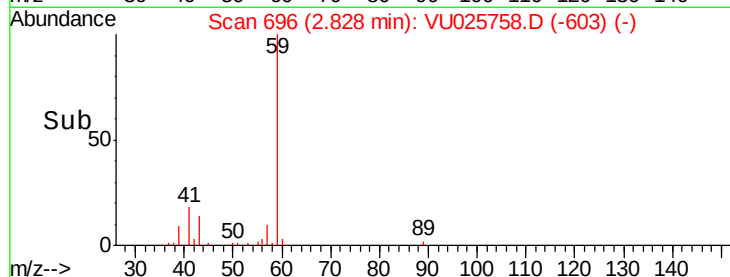
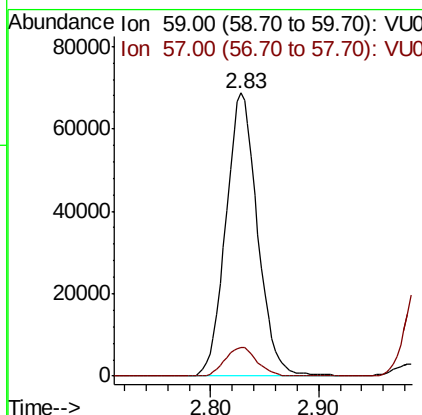
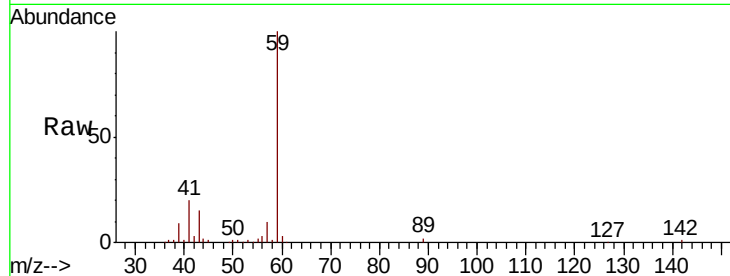
#11
Tert butyl alcohol
Concen: 225.703 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

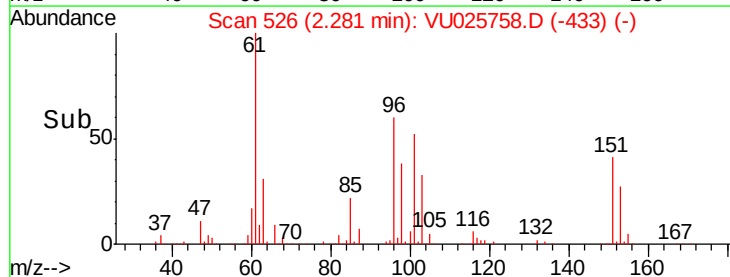
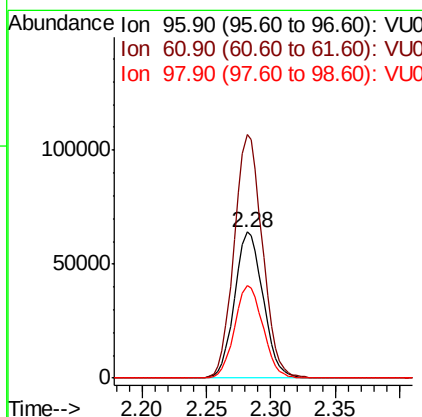
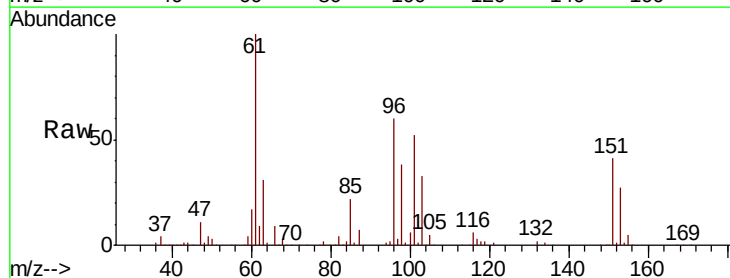
Manual Integrations
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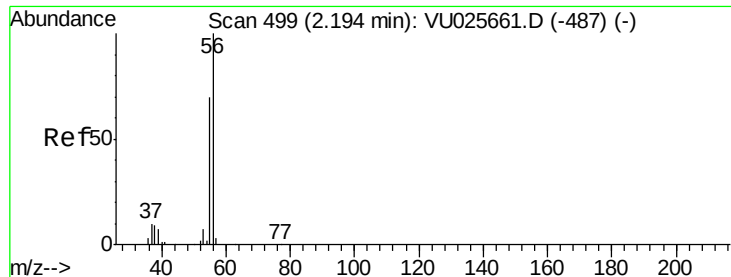
MMDadoda
8/2/2018 9:41:10 AM



#12
1,1-Dichloroethene
Concen: 50.473 ug/l
RT: 2.28 min Scan# 526
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	140.2	210.4
98	63.4	49.3	73.9





#13

Acrolein

Concen: 311.880 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 70090

Ion Ratio Lower Upper

56 100

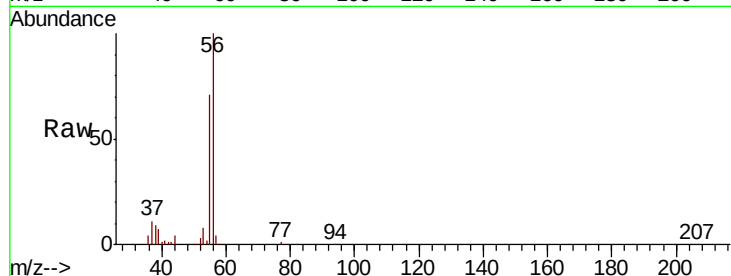
55 71.5 57.2 85.8

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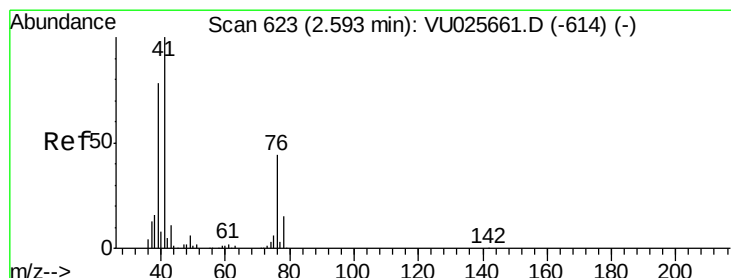
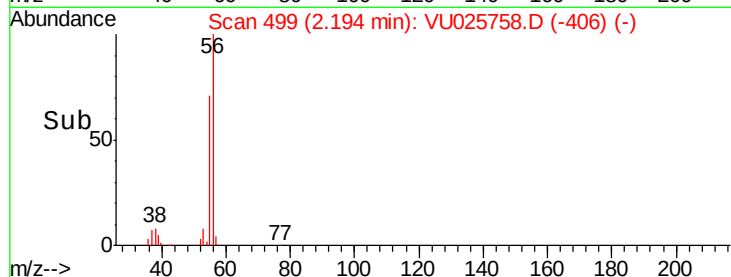
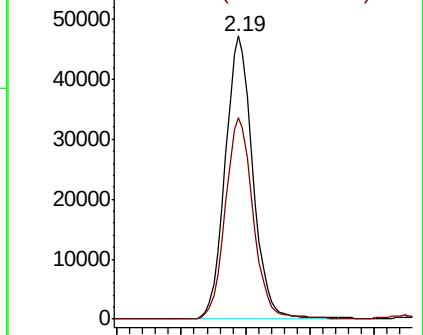
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 46.927 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

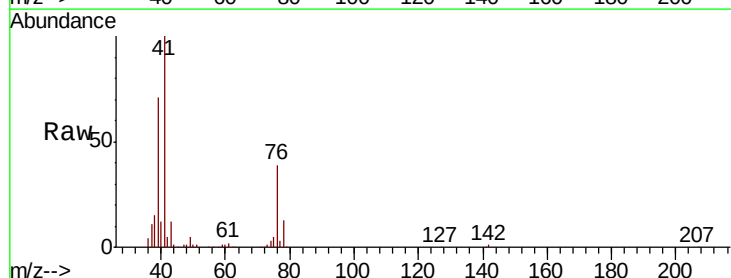
Tgt Ion: 41 Resp: 164982

Ion Ratio Lower Upper

41 100

39 72.5 60.6 91.0

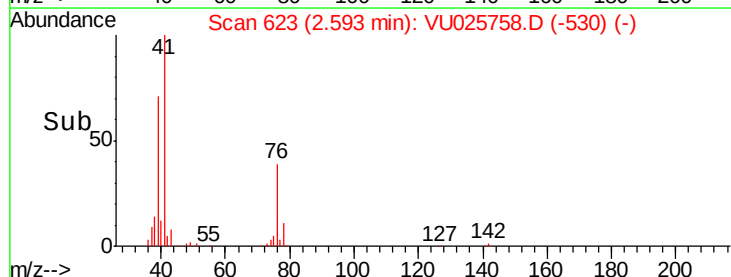
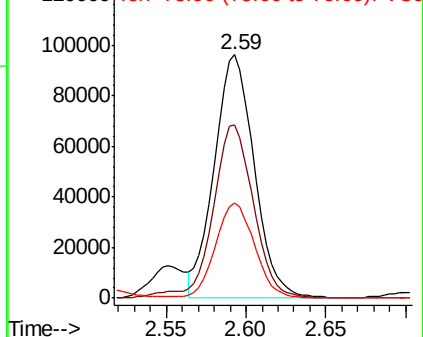
76 38.2 30.5 45.7

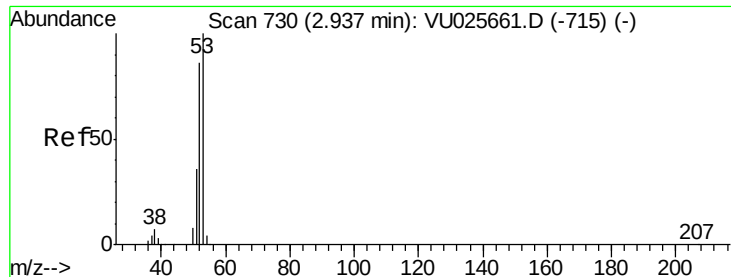


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 249.832 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

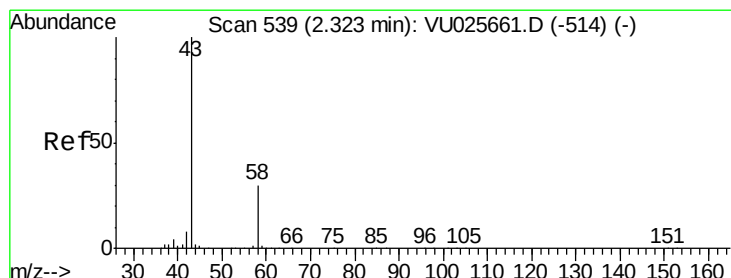
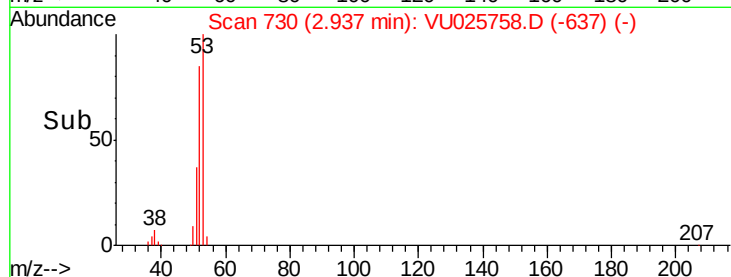
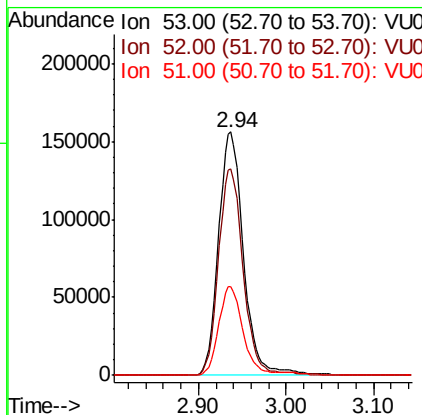
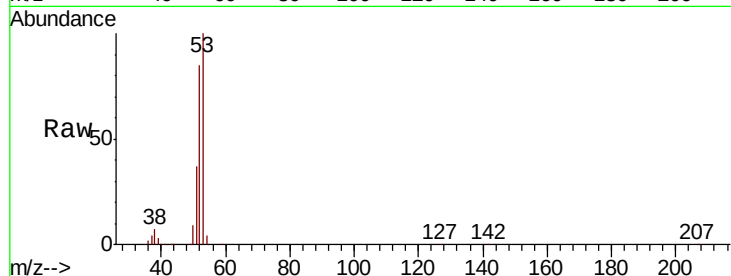
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	310036
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.6	99.8
51	35.0	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 199.815 ug/l

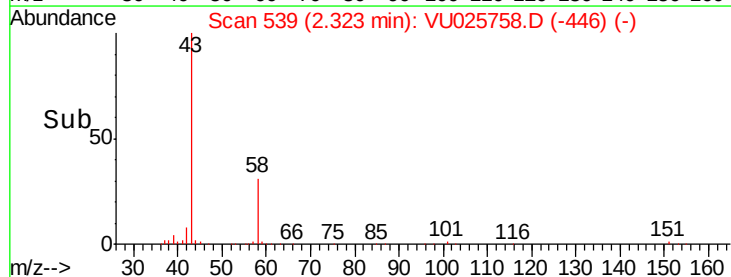
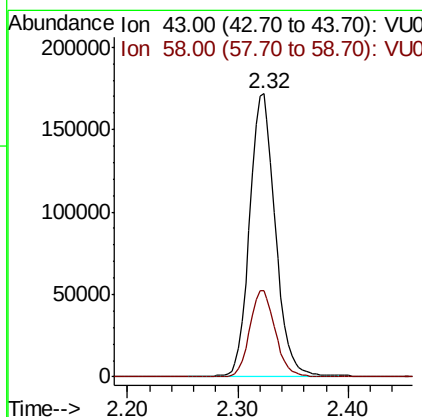
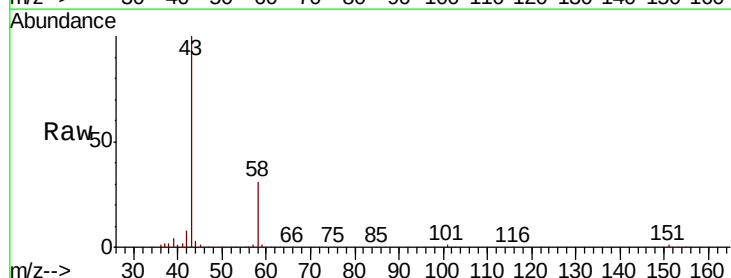
RT: 2.32 min Scan# 539

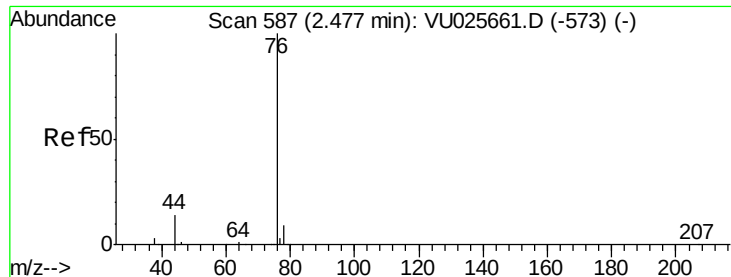
Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Tgt Ion:	43	Resp:	276563
Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.1	34.7





#17

Carbon Disulfide

Concen: 47.257 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 299207

Ion Ratio Lower Upper

76 100

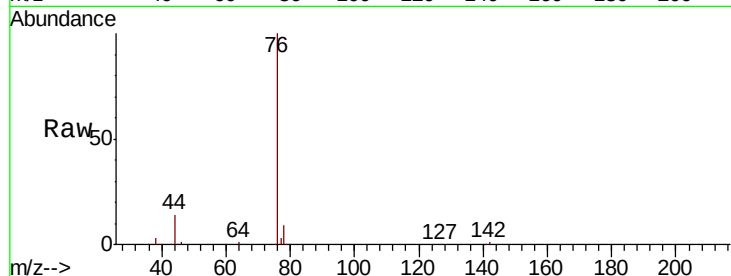
78 9.5 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU025661.D (-573) (-)

Ion 77.90 (77.60 to 78.60): VU025661.D (-573) (-)

2.48

200000

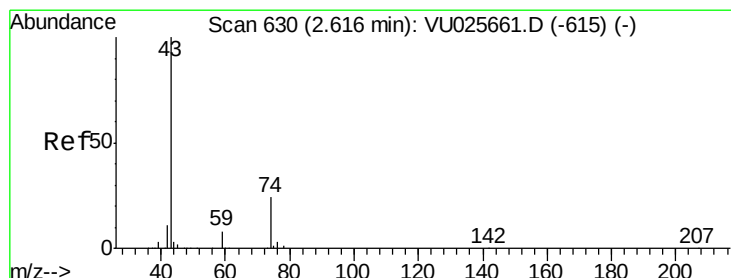
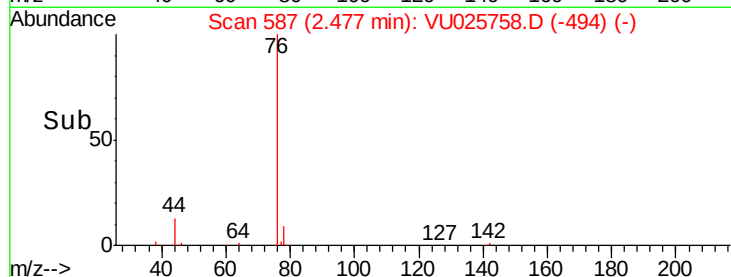
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 57.244 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025758.D

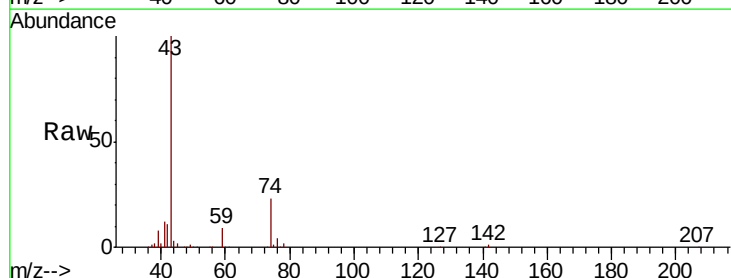
Acq: 31 Jul 2018 22:48

Tgt Ion: 43 Resp: 190699

Ion Ratio Lower Upper

43 100

74 23.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-615) (-)

Ion 74.00 (73.70 to 74.70): VU025661.D (-615) (-)

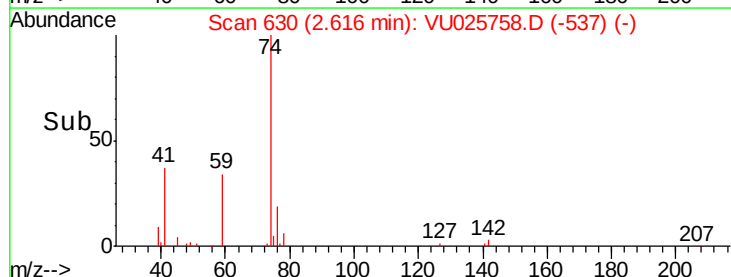
2.62

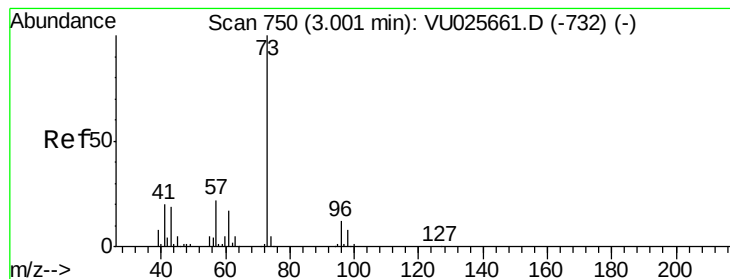
100000

50000

0

Time-->





#19

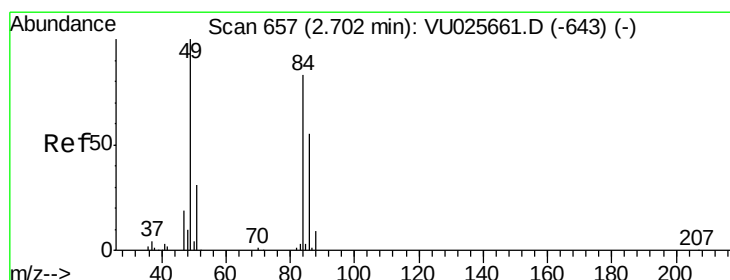
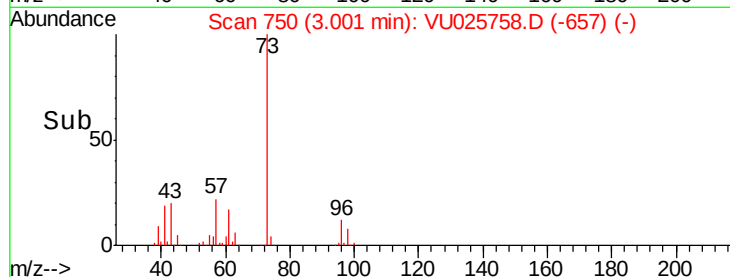
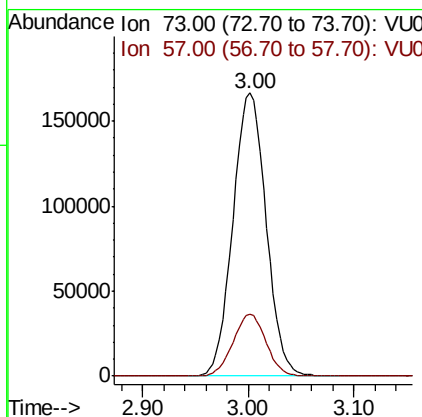
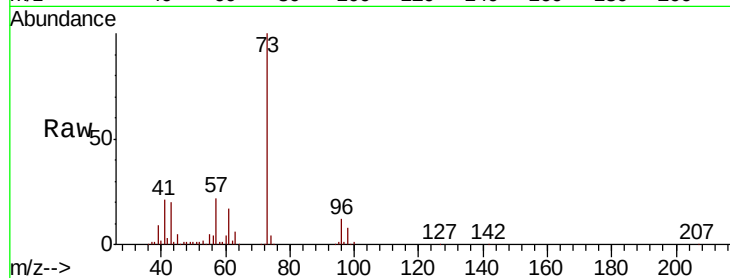
Methyl tert-butyl Ether
 Concen: 51.288 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2

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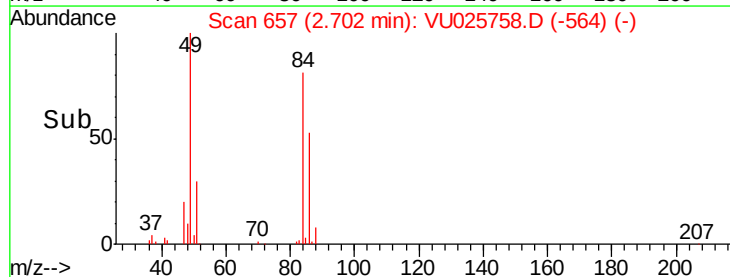
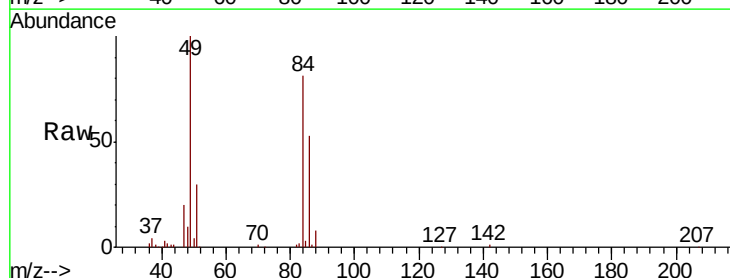
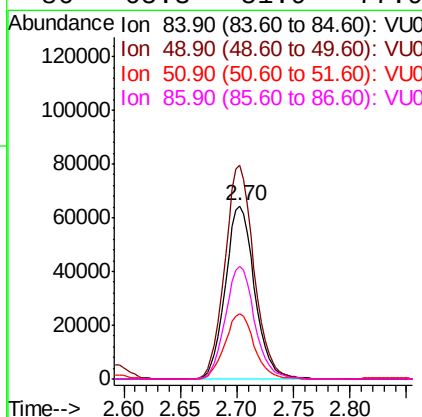
MMDadoda
 8/2/2018 9:41:10 AM

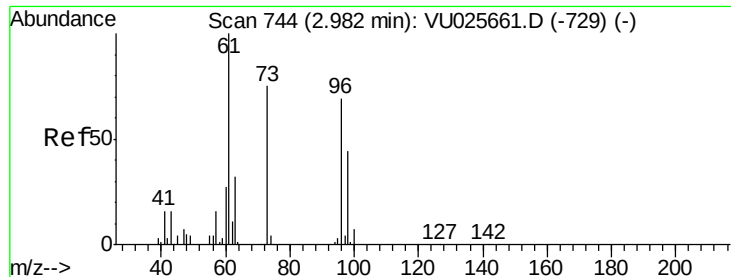


#20

Methylene Chloride
 Concen: 47.338 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	101.8	152.6
51	37.3	30.8	46.2
86	65.3	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 49.043 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

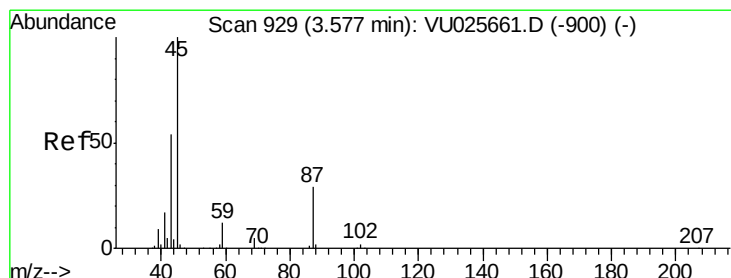
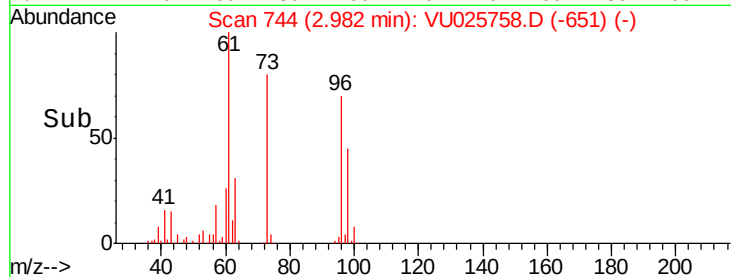
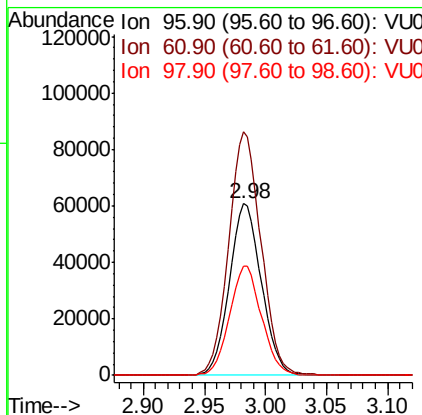
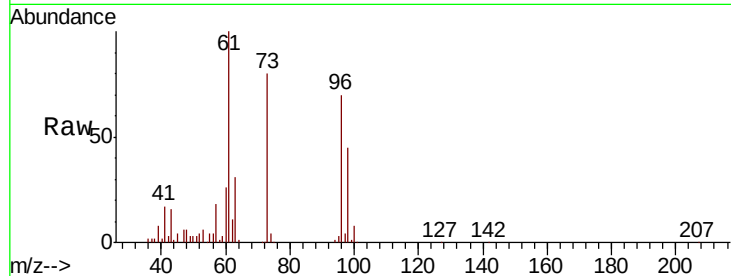
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	110911
Ion	Ratio	Lower	Upper
96	100		
61	142.1	114.5	171.7
98	63.4	50.5	75.7

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#22

Diisopropyl ether

Concen: 51.324 ug/l

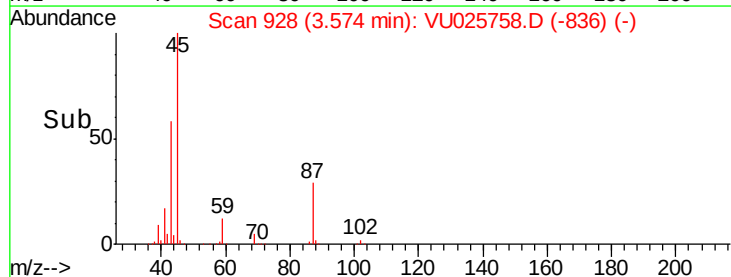
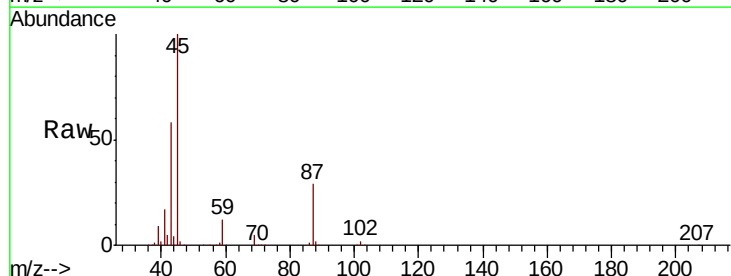
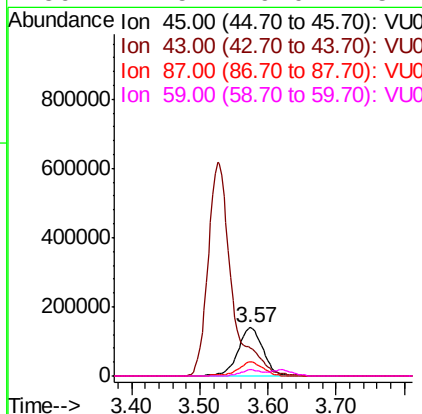
RT: 3.57 min Scan# 928

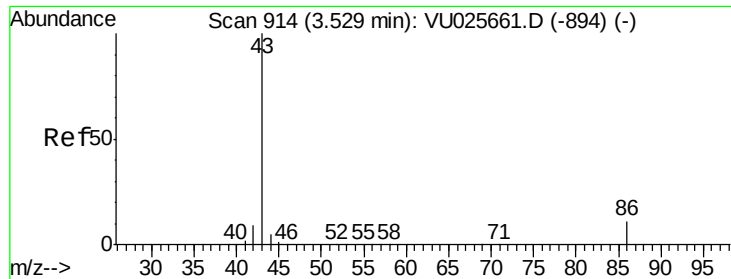
Delta R.T. -0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Tgt Ion:	45	Resp:	355570
Ion	Ratio	Lower	Upper
45	100		
43	57.2	50.9	76.3
87	29.2	23.8	35.8
59	12.5	9.0	13.4





#23

Vinyl Acetate

Concen: 246.295 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1487034

Ion Ratio Lower Upper

43 100

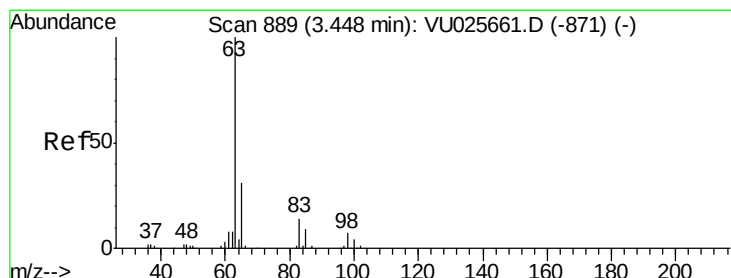
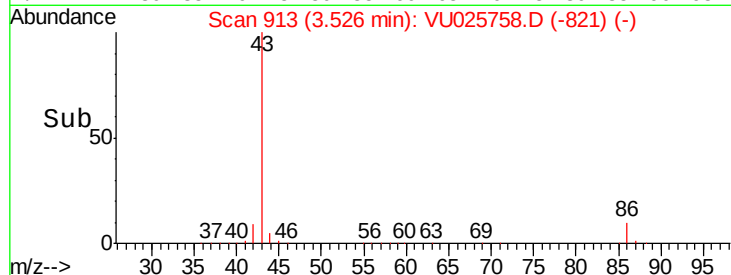
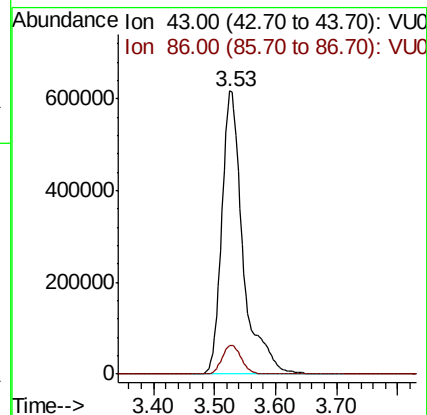
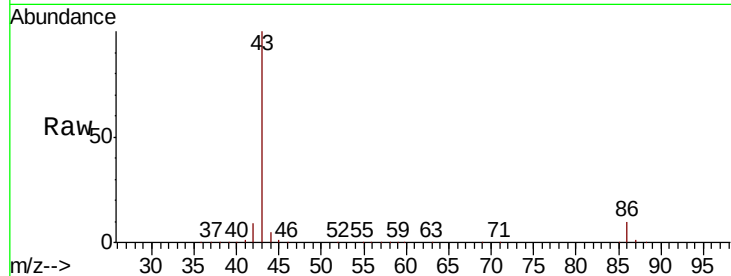
86 10.3 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.461 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

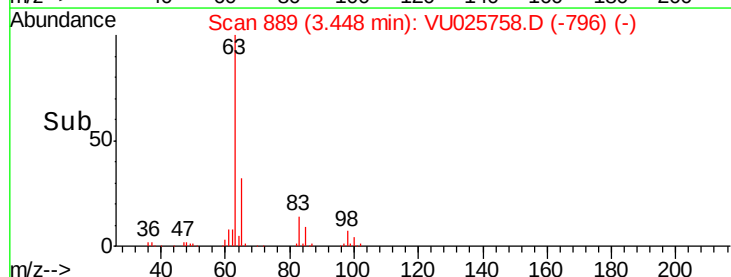
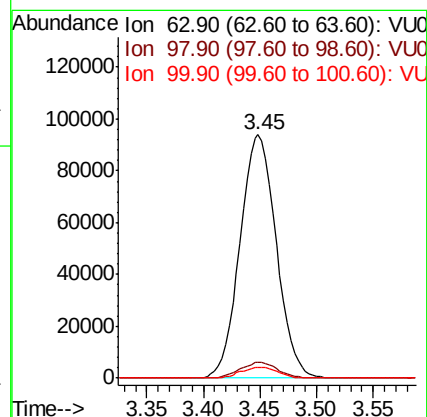
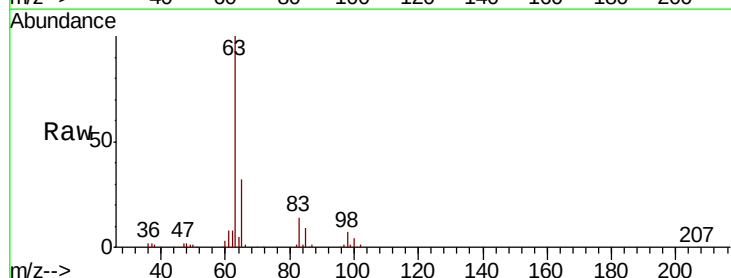
Tgt Ion: 63 Resp: 209855

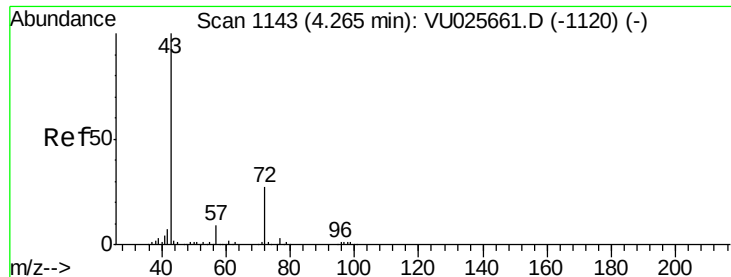
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 233.204 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 439390

Ion Ratio Lower Upper

43 100

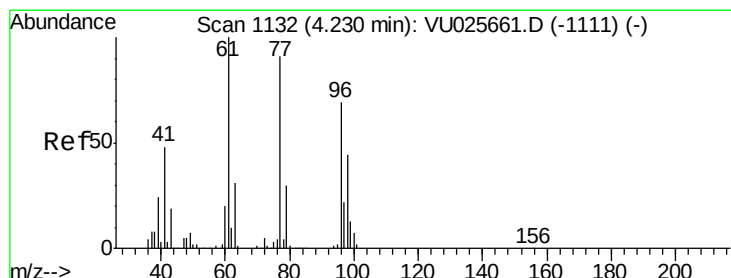
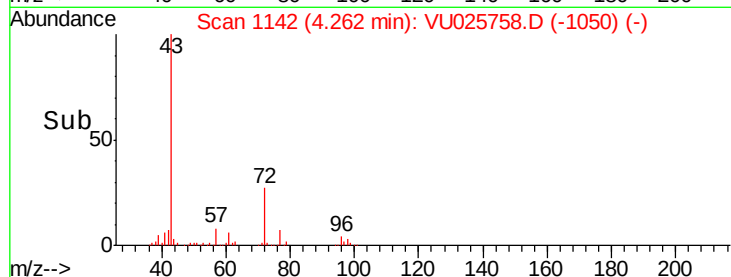
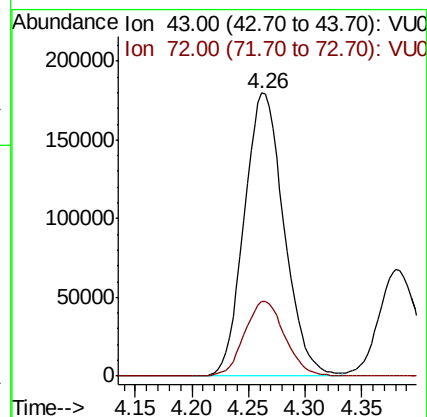
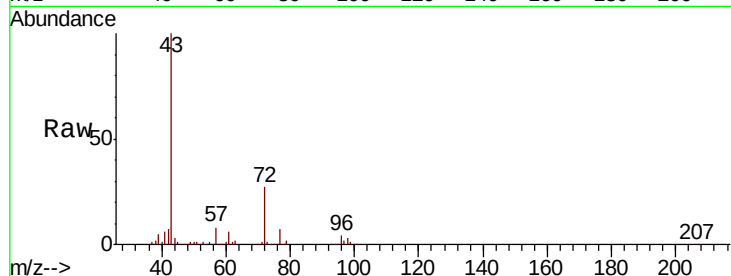
72 26.4 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.116 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025758.D

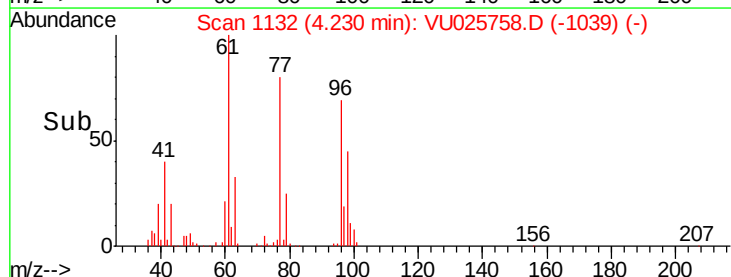
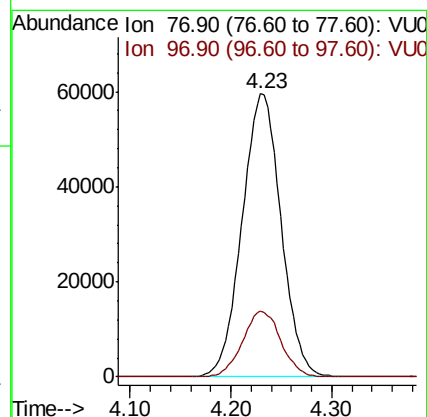
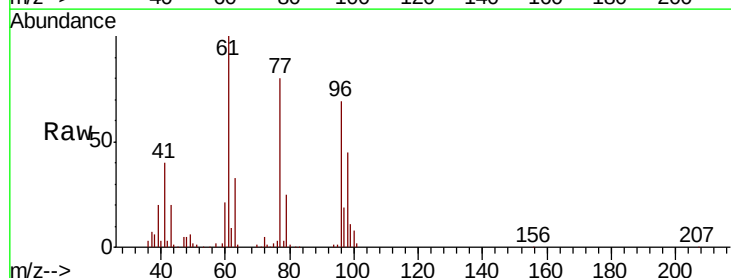
Acq: 31 Jul 2018 22:48

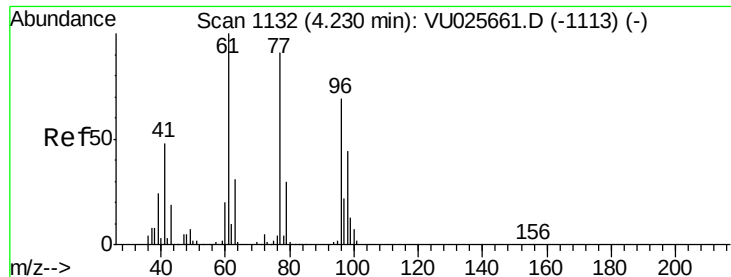
Tgt Ion: 77 Resp: 159201

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 49.096 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

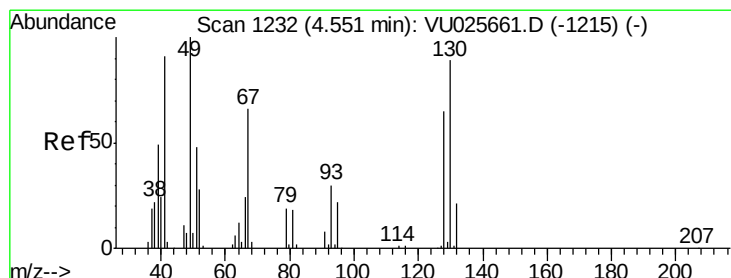
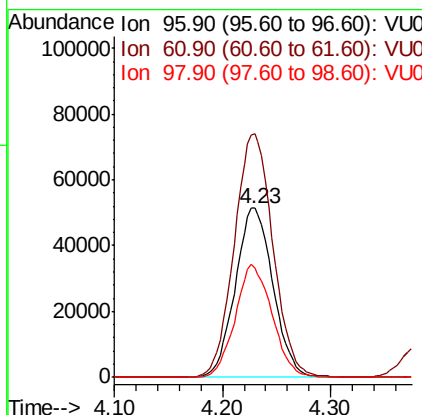
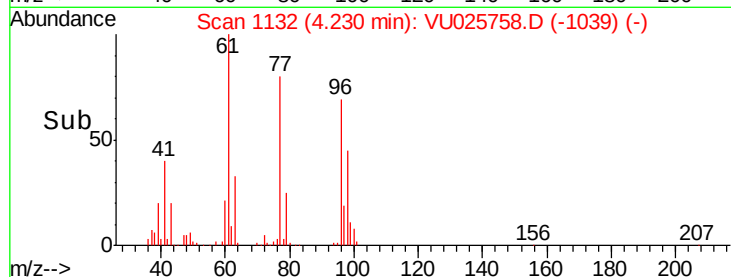
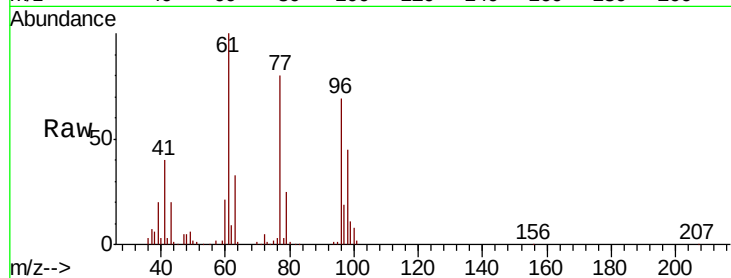
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	125181
Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	299.8
98	65.2	0.0	128.6

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#28

Bromochloromethane

Concen: 50.476 ug/l

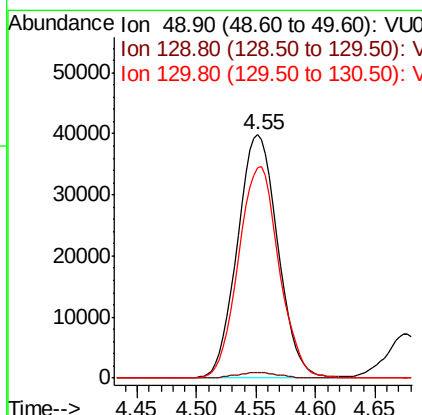
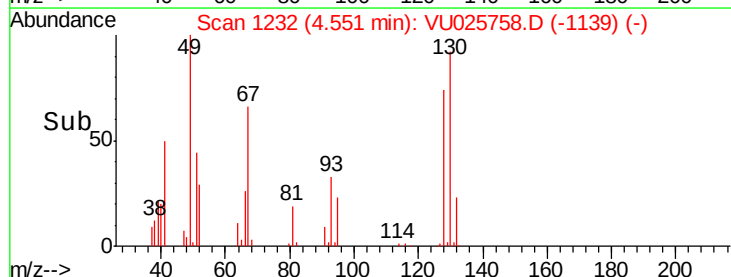
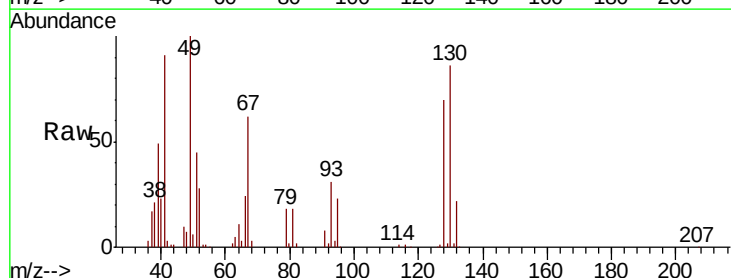
RT: 4.55 min Scan# 1232

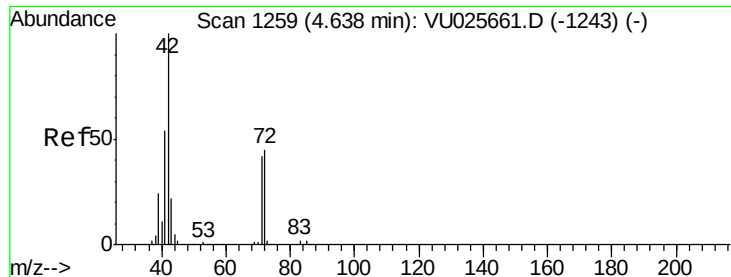
Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Tgt Ion:	49	Resp:	93856
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	87.2	68.6	102.8





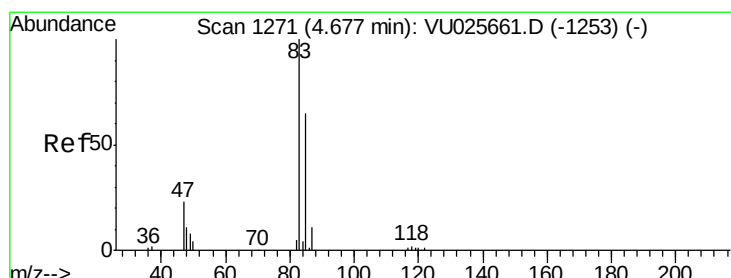
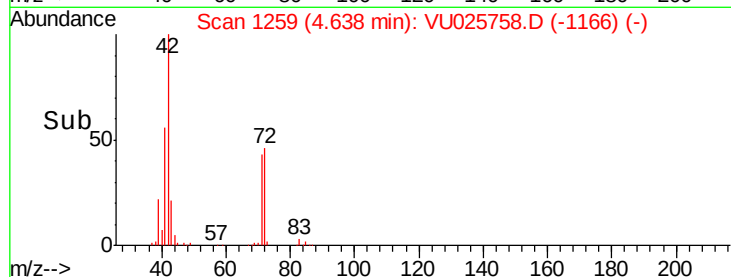
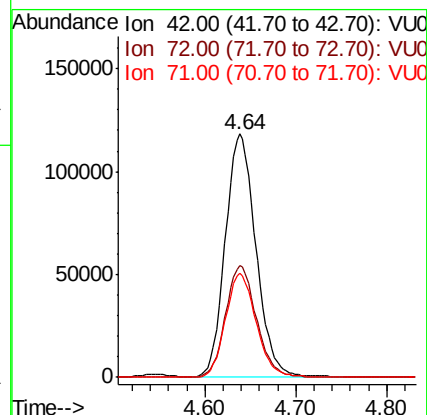
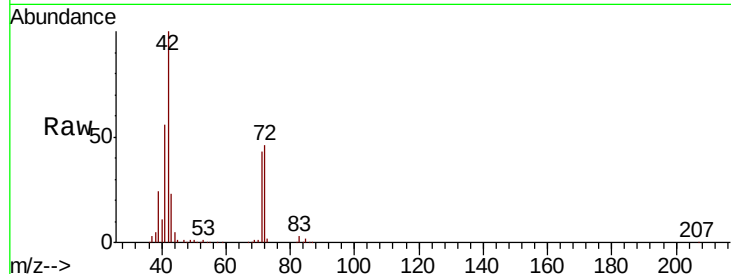
#29
Tetrahydrofuran
Concen: 244.611 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	36.7	55.1
71	43.1	33.9	50.9

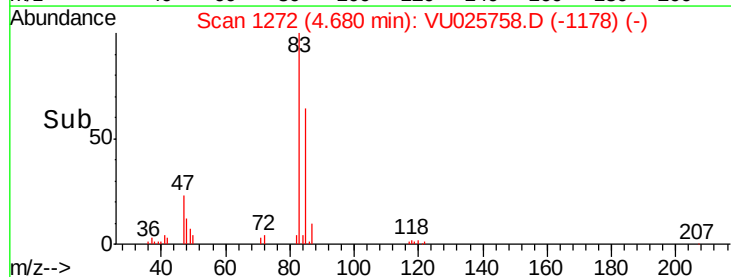
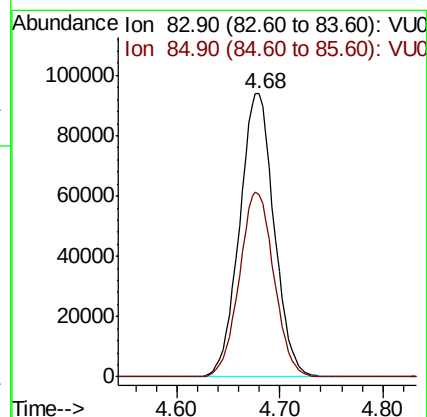
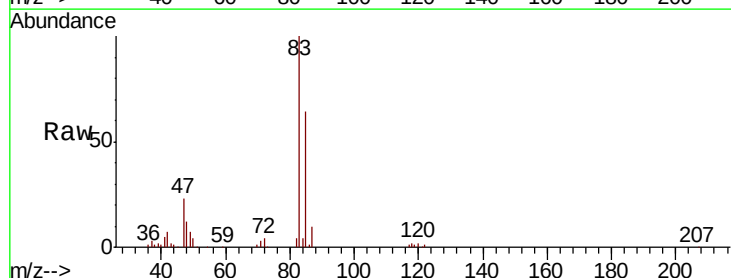
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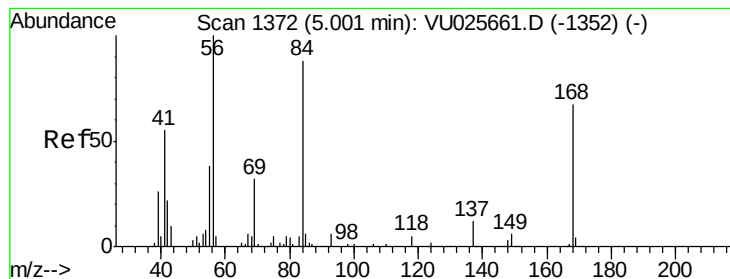
MMDadoda
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#30
Chloroform
Concen: 49.844 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





#31

Cyclohexane

Concen: 49.513 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

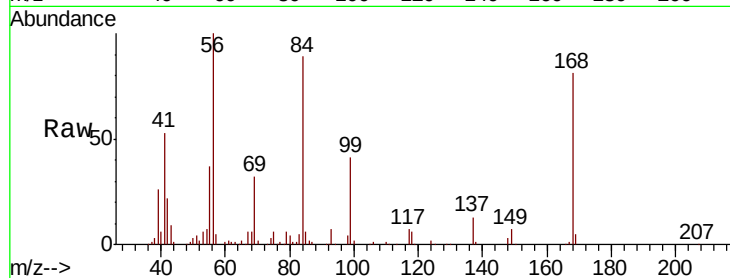
ClientSampleId :

VSTDCCC050EC

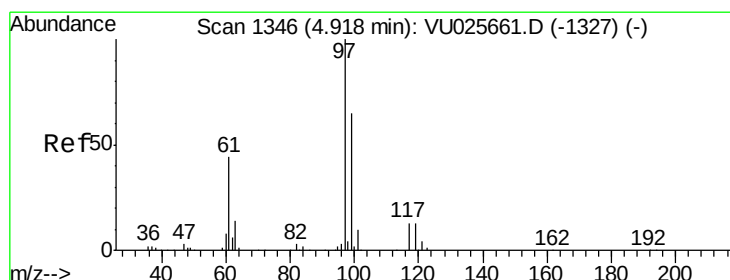
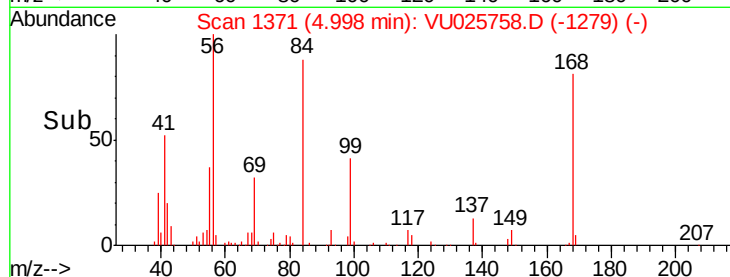
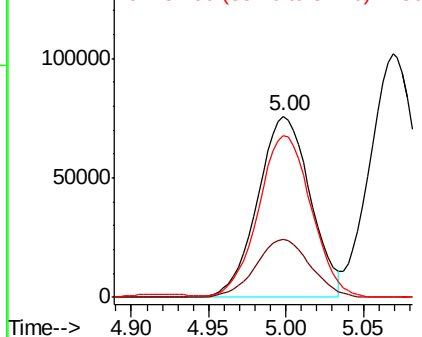
Tot Ion:	56	Resp:	179164
Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.8	40.2
84	88.2	69.7	104.5

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



#32

1,1,1-Trichloroethane

Concen: 50.586 ug/l

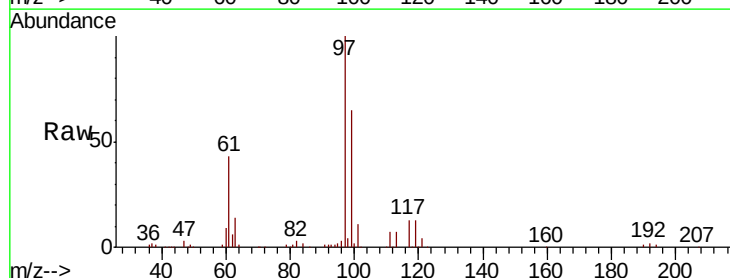
RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

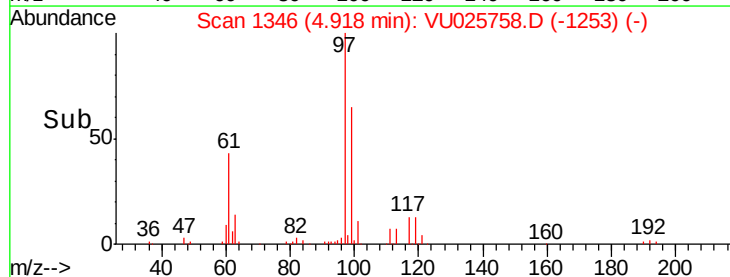
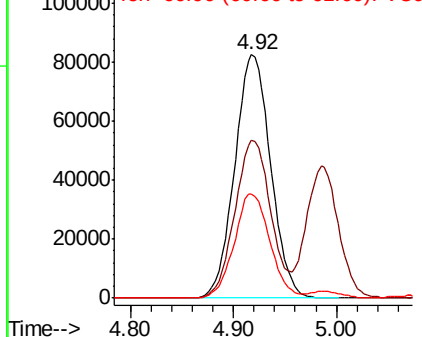
Lab File: VU025758.D

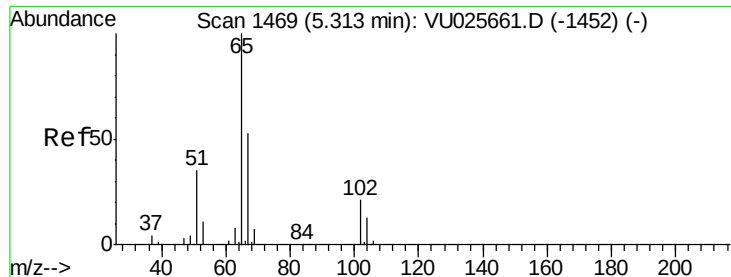
Acq: 31 Jul 2018 22:48

Tgt Ion:	97	Resp:	199924
Ion	Ratio	Lower	Upper
97	100		
99	65.4	50.8	76.2
61	42.5	35.2	52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





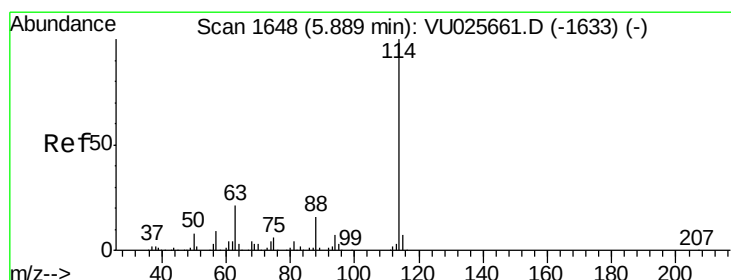
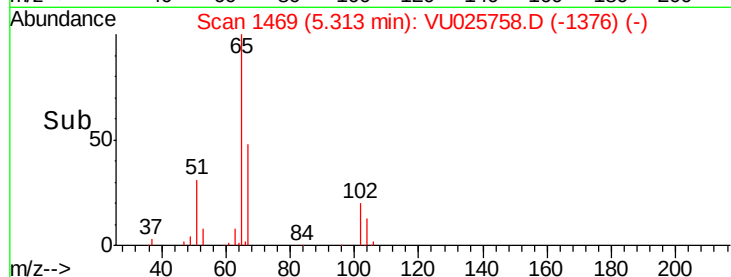
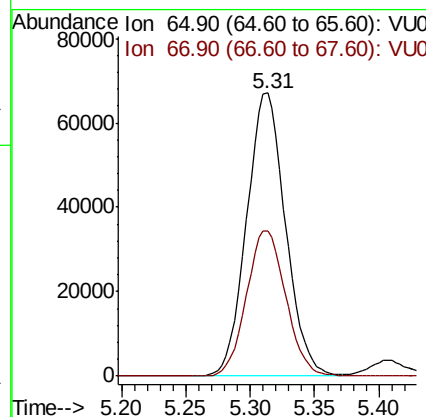
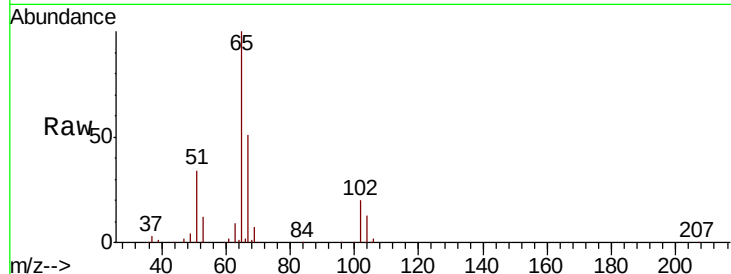
#33
 1,2-Dichloroethane-d4
 Concen: 49.679 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6

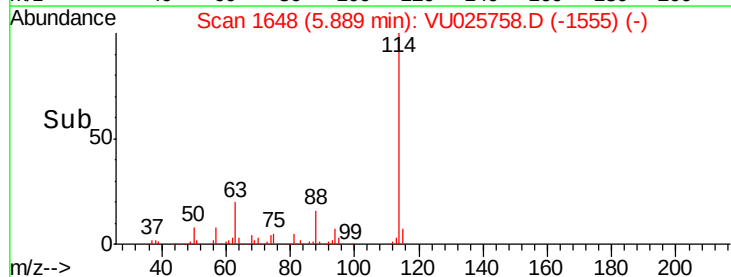
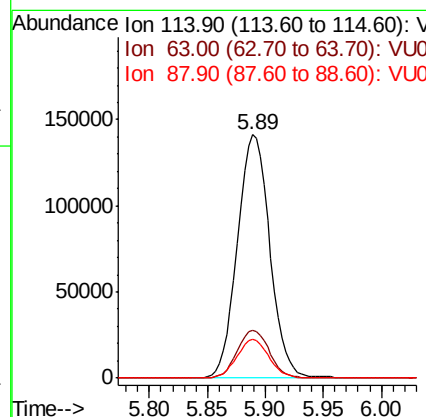
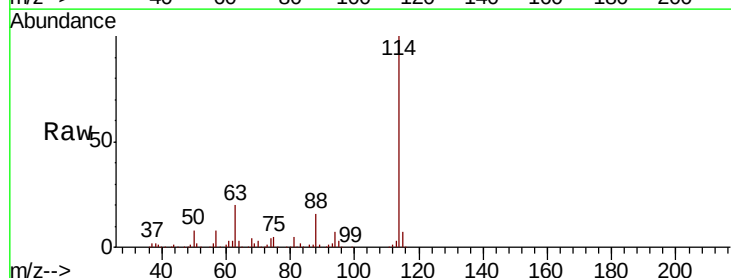
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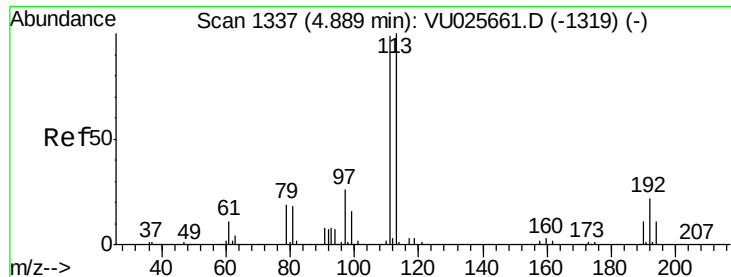
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.6
88	15.9	0.0	32.4





#35

Dibromofluoromethane

Concen: 49.009 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

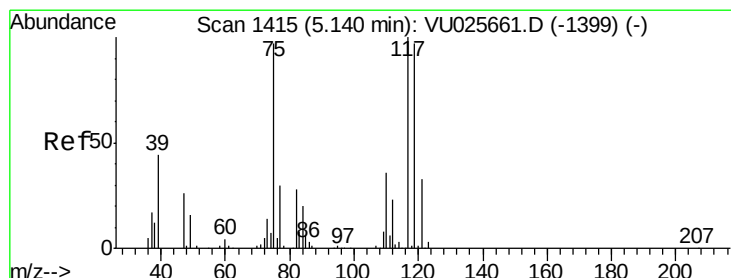
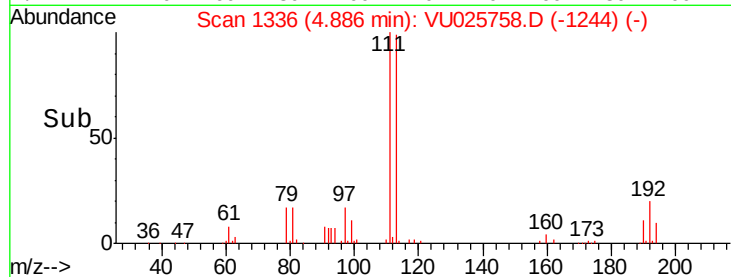
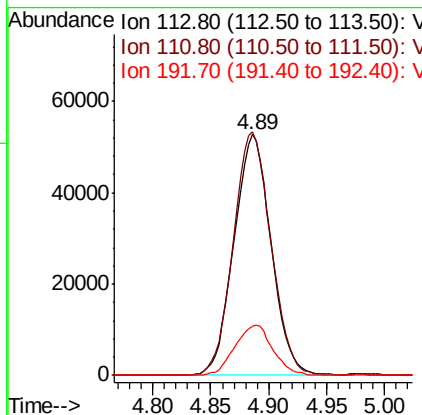
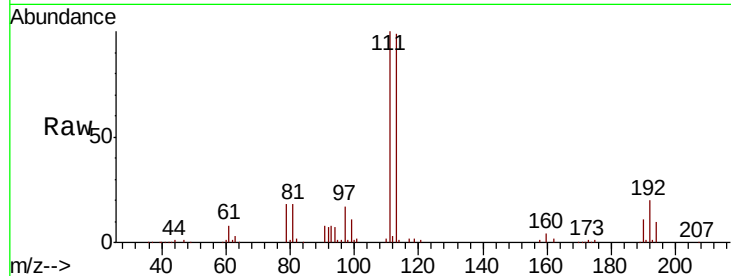
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	117106
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.7	122.5
192	21.3	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 50.422 ug/l

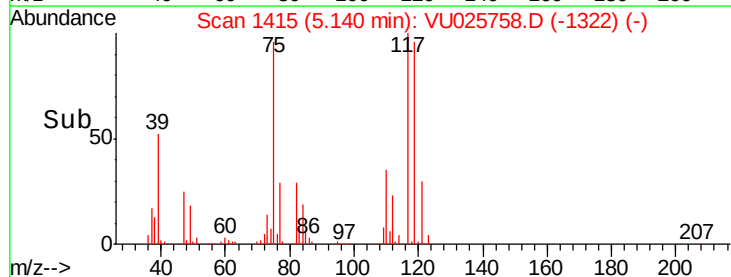
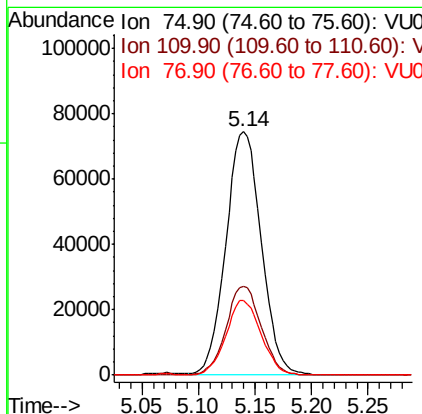
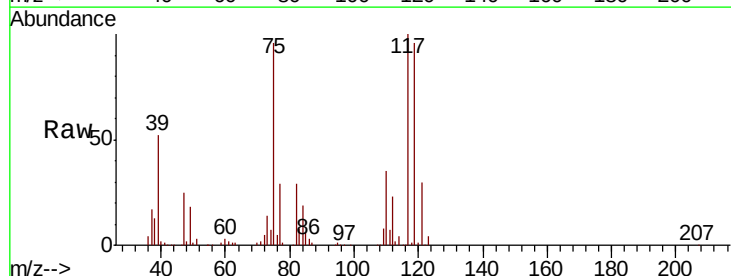
RT: 5.14 min Scan# 1415

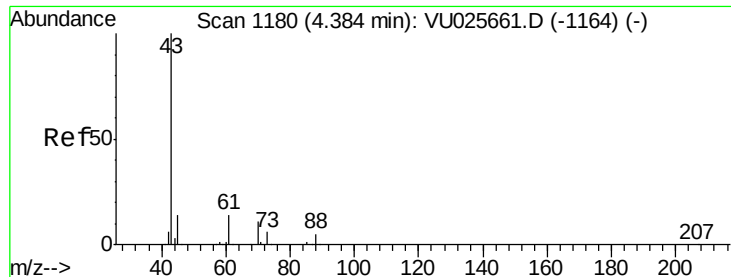
Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Tgt Ion:	75	Resp:	161891
Ion Ratio	Lower	Upper	
75	100		
110	36.4	17.6	52.9
77	30.5	24.4	36.6





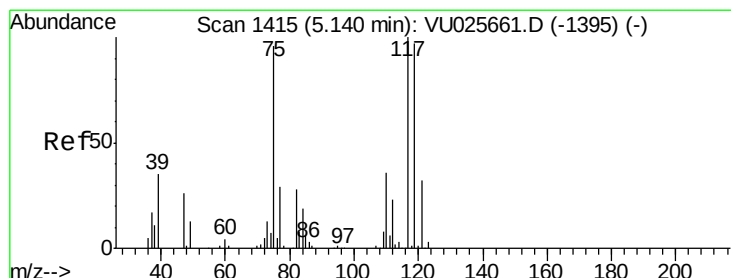
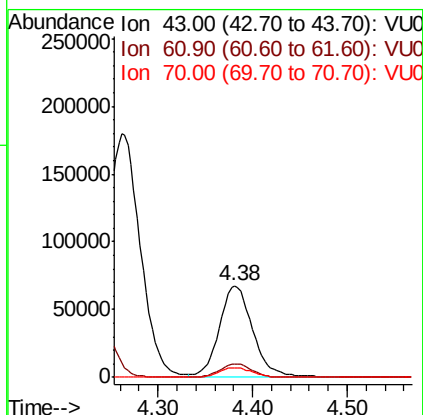
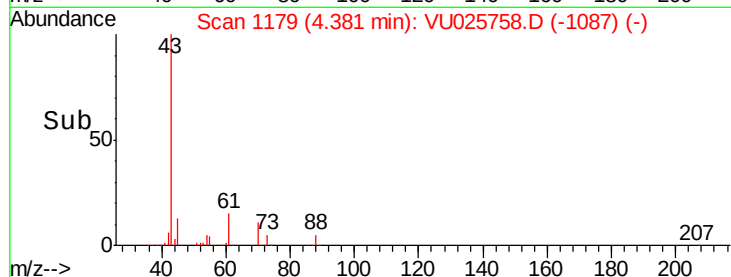
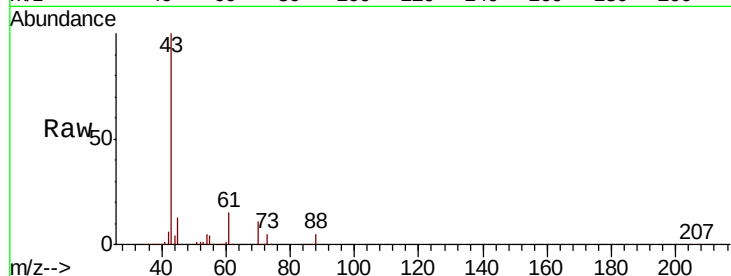
#37
Ethyl Acetate
Concen: 49.216 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	10.5	8.4	12.6

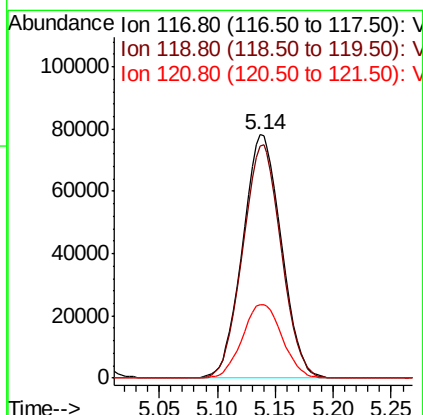
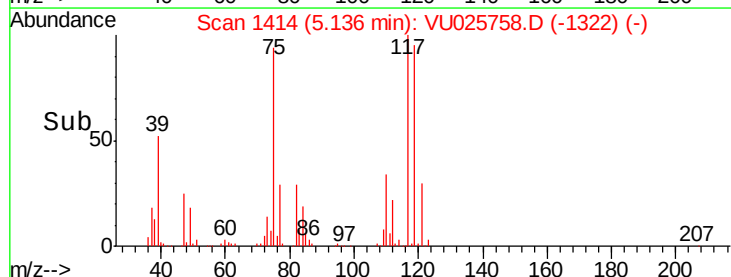
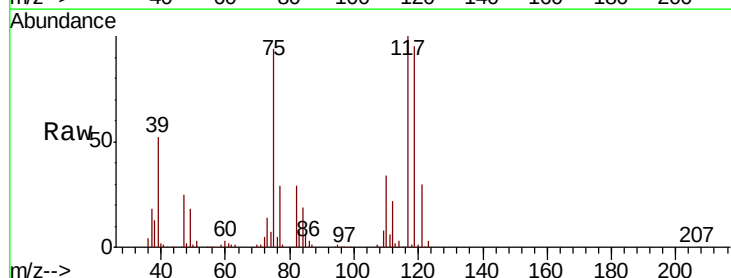
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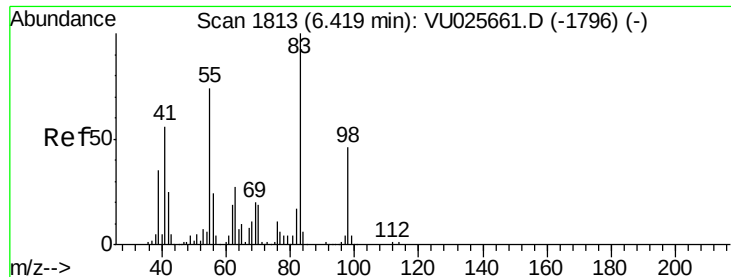
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#38
Carbon Tetrachloride
Concen: 49.982 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.7	113.5
121	30.4	24.6	36.8





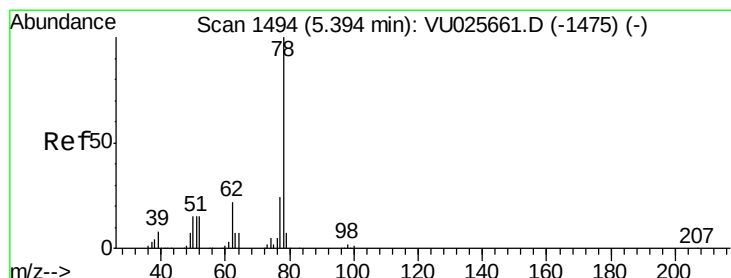
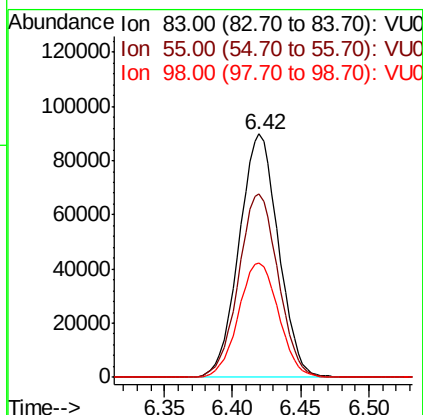
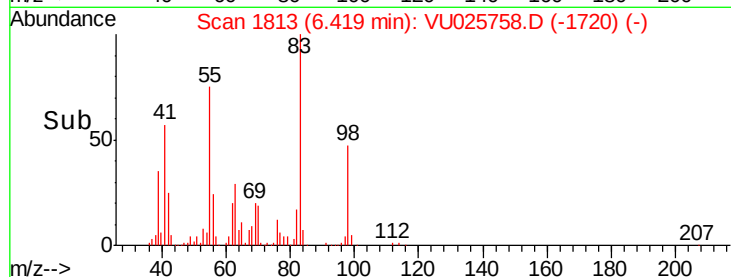
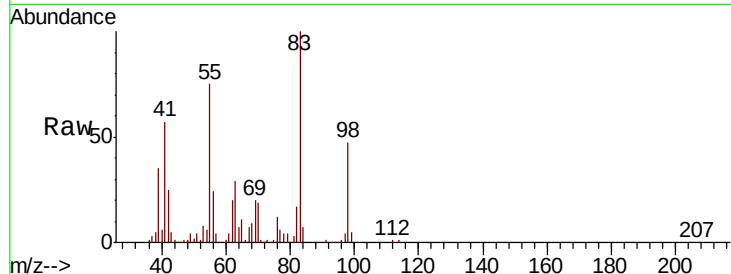
#39
Methylvlcyclohexane
Concen: 48.942 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.0	90.0
98	46.8	36.1	54.1

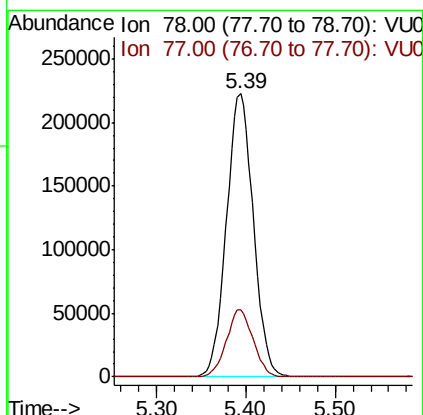
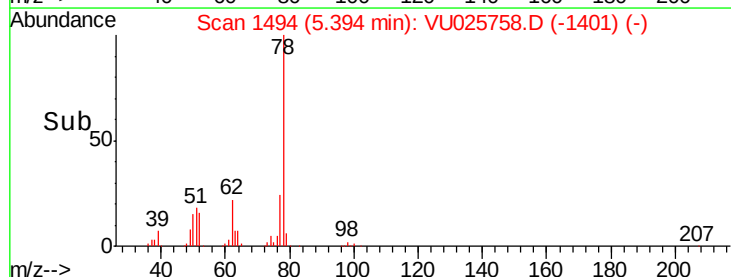
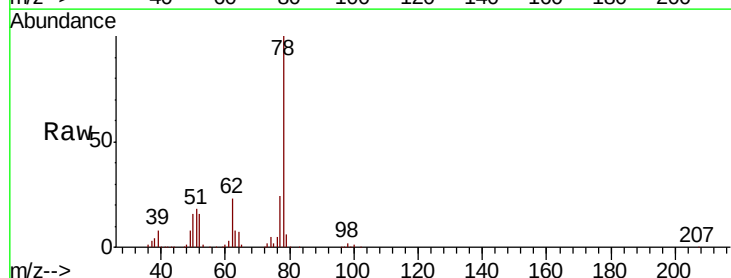
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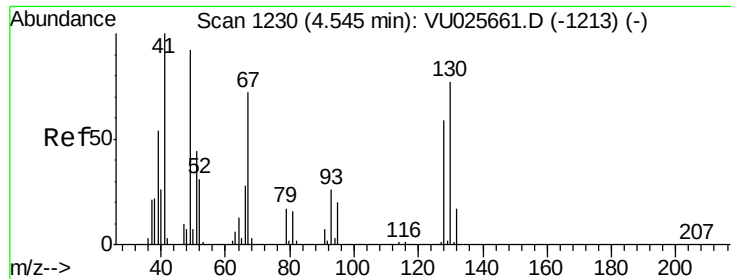
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#40
Benzene
Concen: 49.500 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.8	29.6





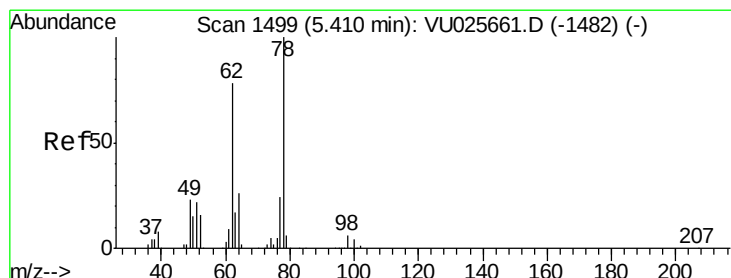
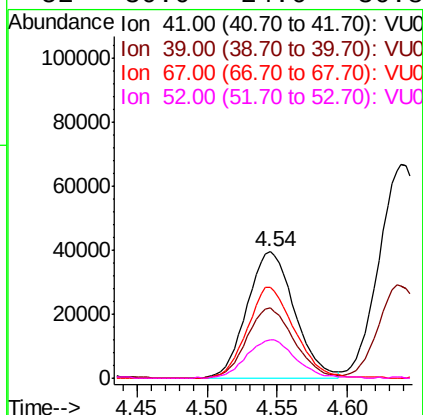
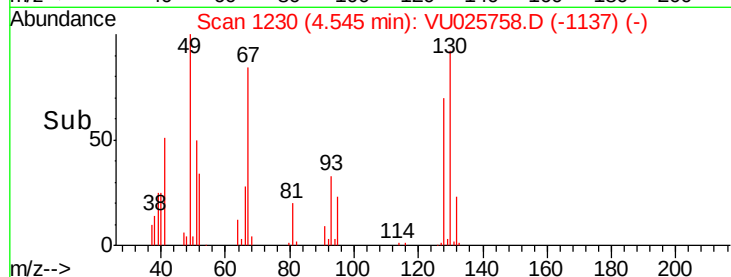
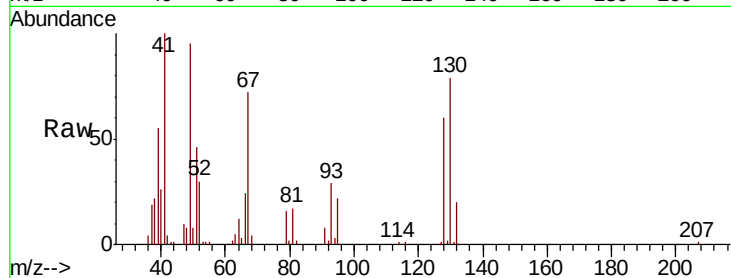
#41
Methacrylonitrile
Concen: 50.366 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	44.4	66.6	
67	71.7	56.0	84.0	
52	30.0	24.6	36.8	

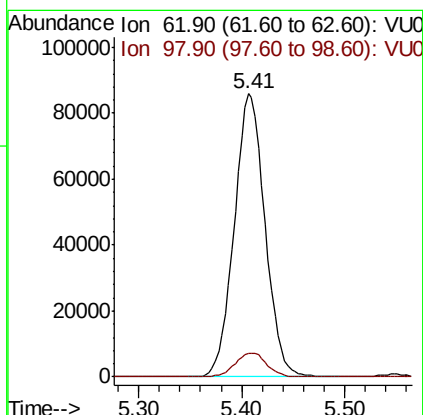
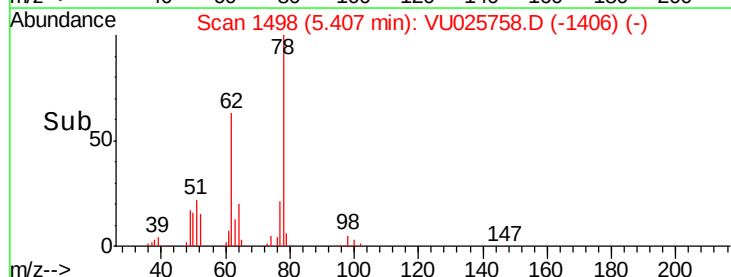
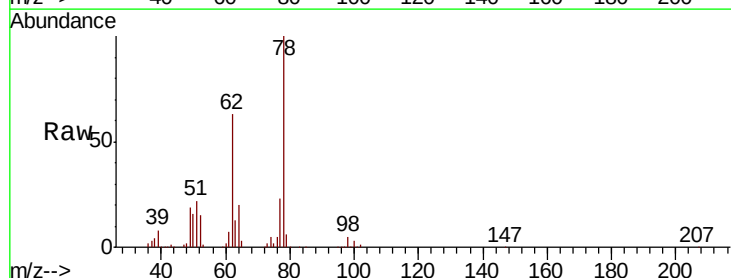
Manual Integrations
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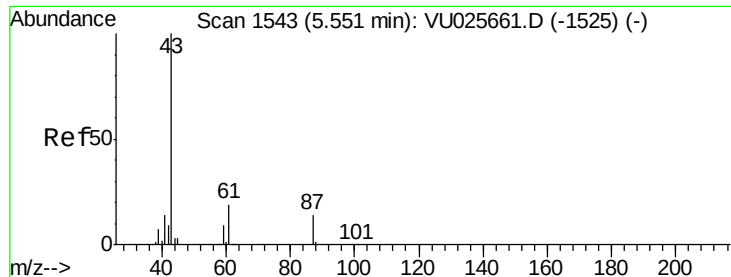
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.347 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.4	





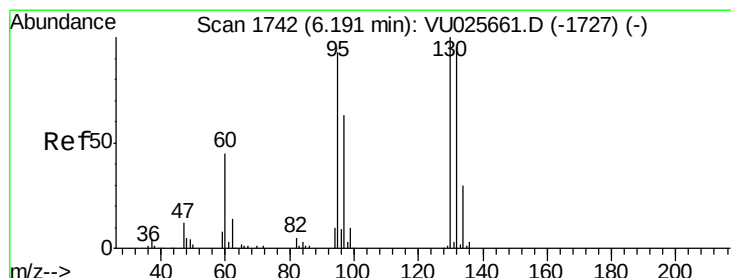
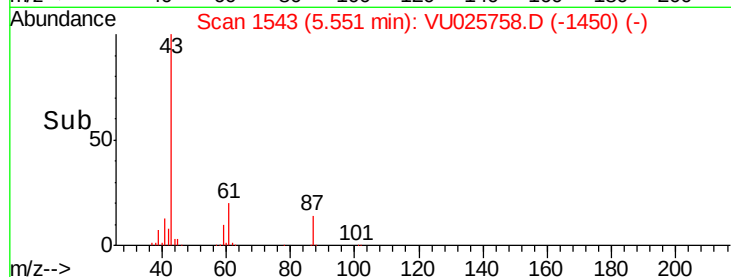
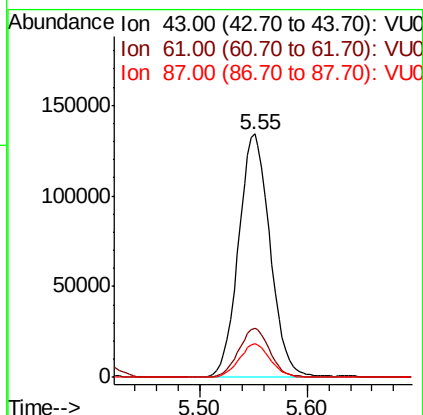
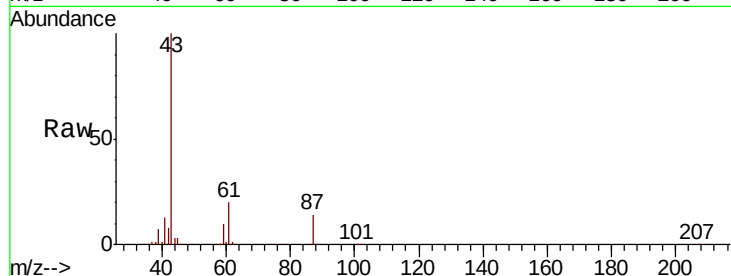
#43
Isopropyl Acetate
Concen: 49.353 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.5	23.3
87	13.7	10.6	16.0

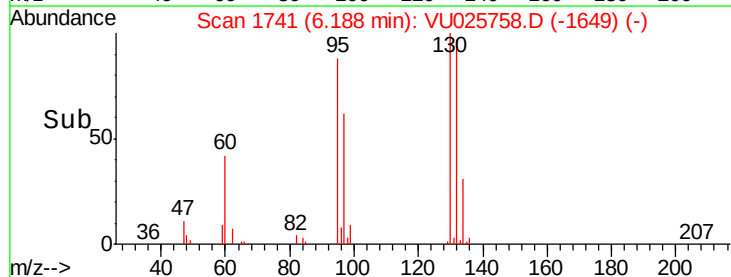
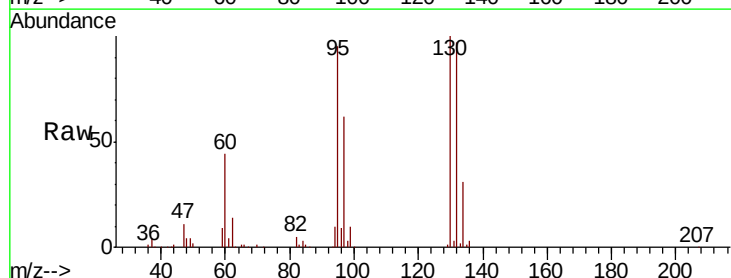
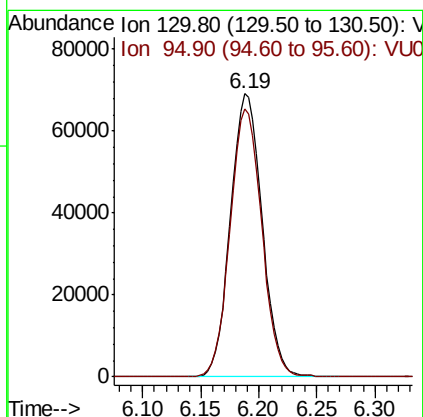
Manual Integrations
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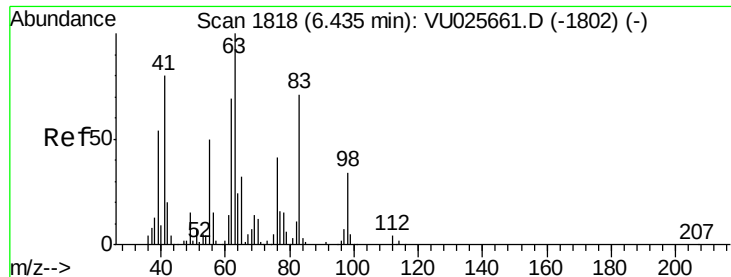
MMDadoda
8/2/2018 9:41:10 AM



#44
Trichloroethene
Concen: 50.149 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	192.2





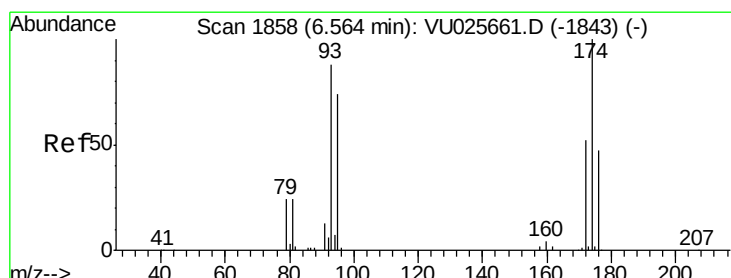
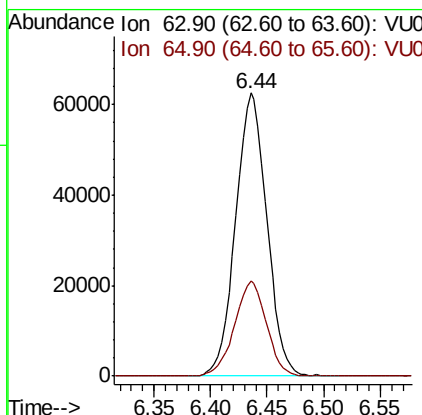
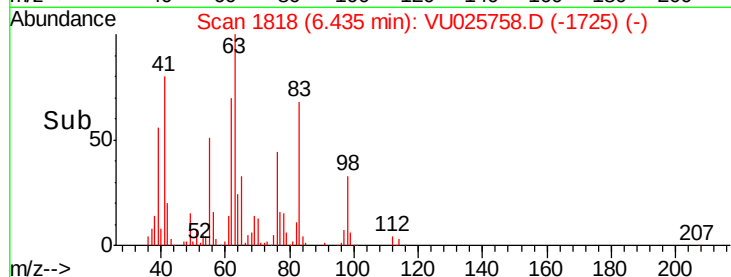
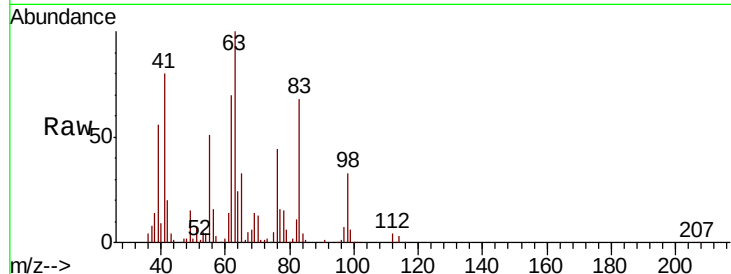
#45
 1,2-Dichloropropane
 Concen: 49.251 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 63 Resp: 120548
 Ion Ratio Lower Upper
 63 100
 65 33.4 26.1 39.1

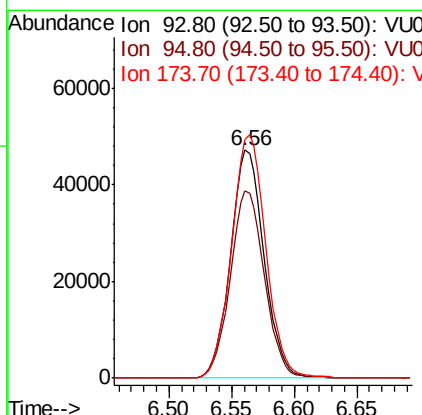
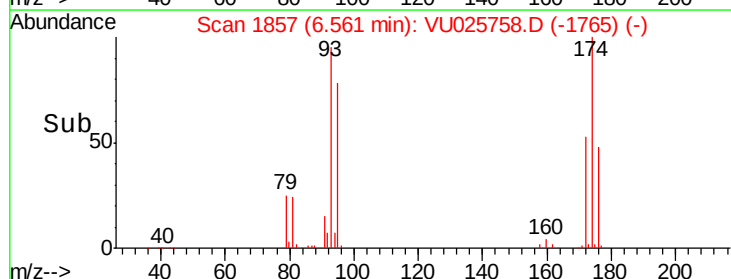
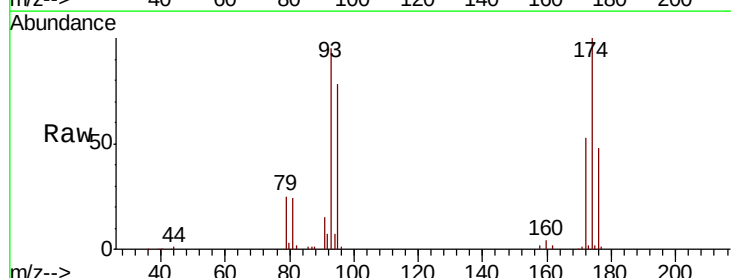
Manual Integrations
 APPROVED

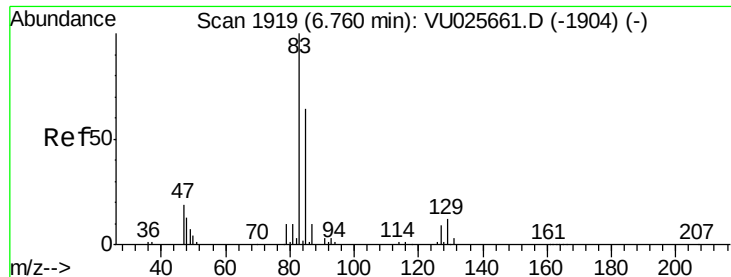
MMDadoda
 8/2/2018 9:41:10 AM



#46
 Dibromomethane
 Concen: 49.395 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion: 93 Resp: 87603
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 100.0
 174 109.3 85.8 128.8





#47

Bromodichloromethane

Concen: 50.115 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

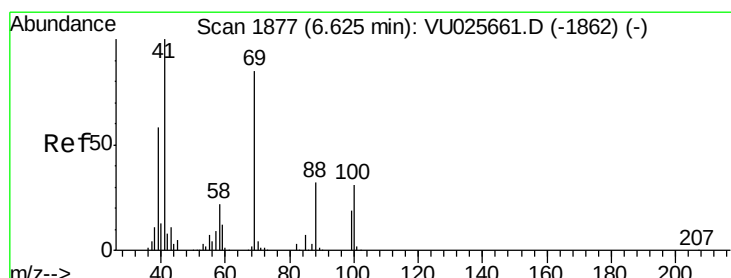
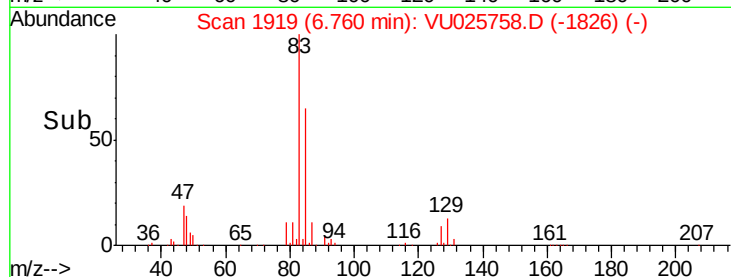
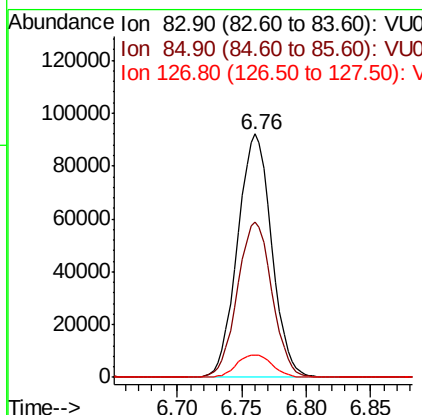
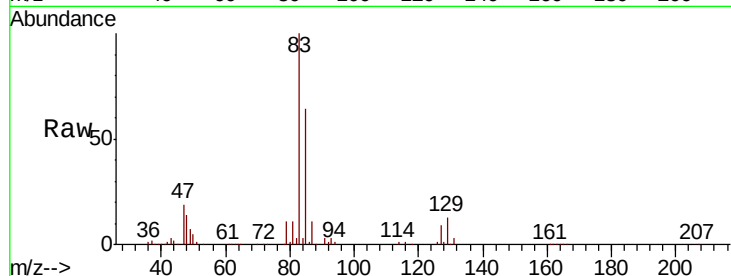
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	169538
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.2	75.4
127	9.4	7.2	10.8

Manual Integrations
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MMDadoda
8/2/2018 9:41:10 AM



#48

Methyl methacrylate

Concen: 51.707 ug/l

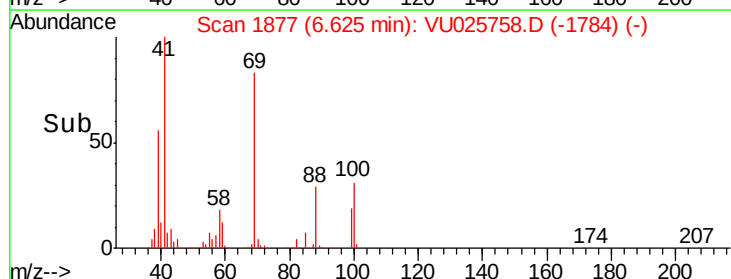
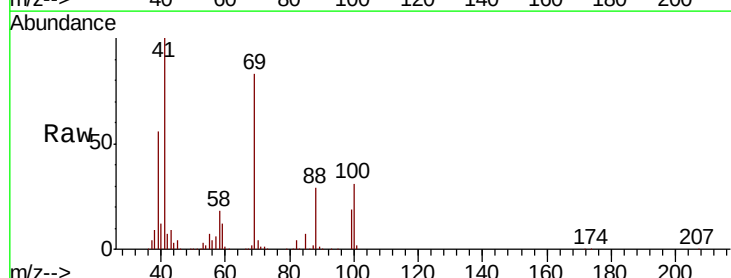
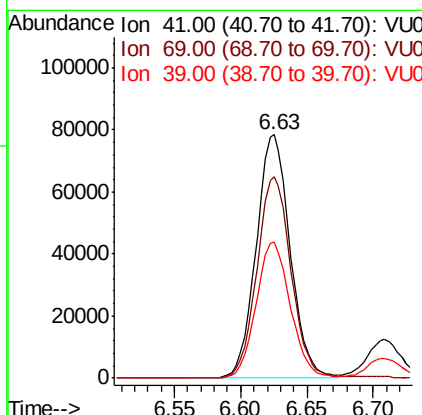
RT: 6.63 min Scan# 1877

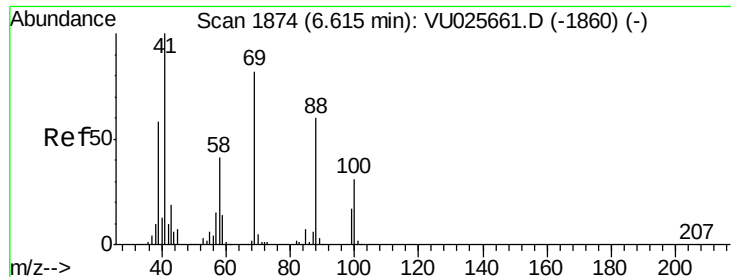
Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Tgt Ion:	41	Resp:	139419
Ion Ratio	Lower	Upper	
41	100		
69	83.5	65.0	97.4
39	56.3	46.4	69.6





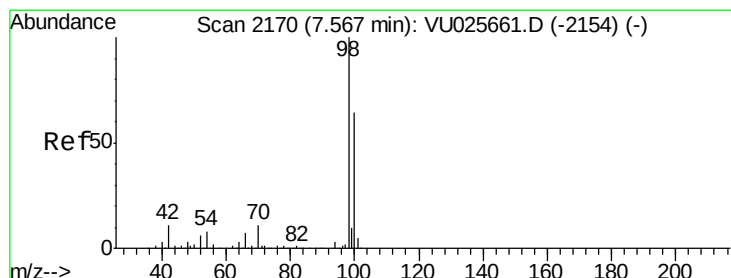
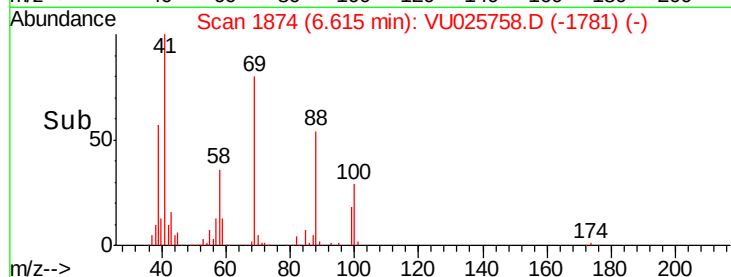
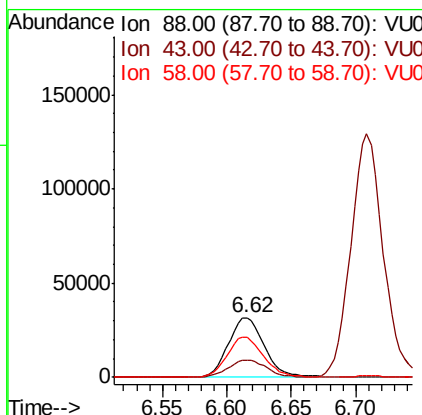
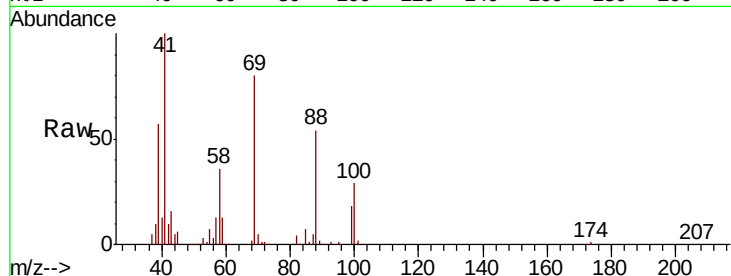
#49
1,4-Dioxane
Concen: 918.193 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	27.3	40.9
58	68.8	57.6	86.4

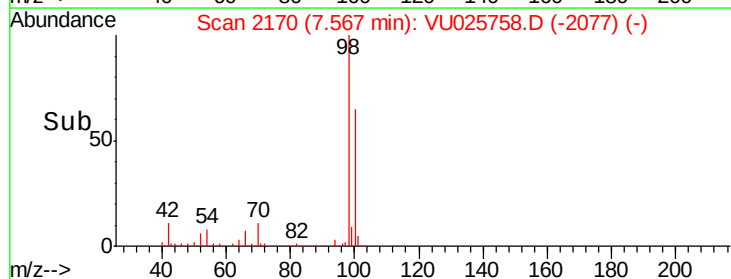
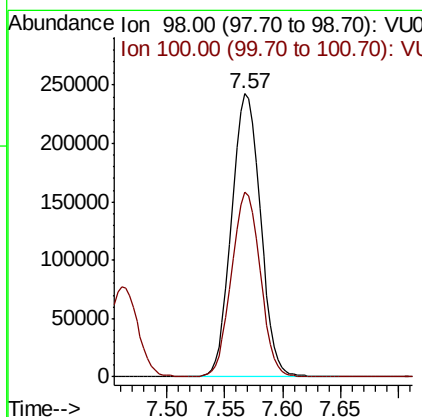
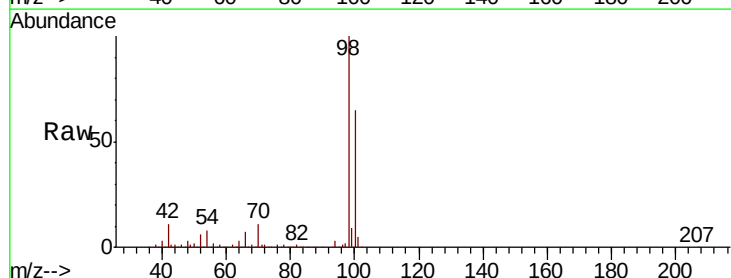
Manual Integrations
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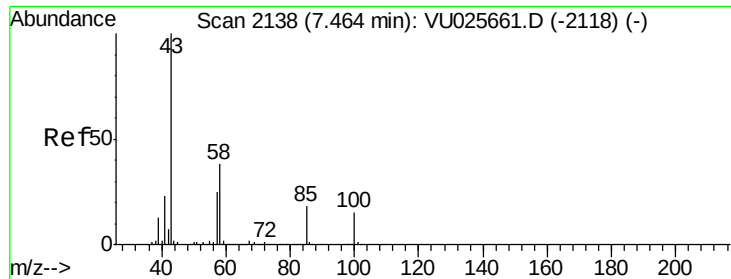
MMDadoda
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#50
Toluene-d8
Concen: 50.282 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 250.711 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 863502

Ion Ratio Lower Upper

43 100

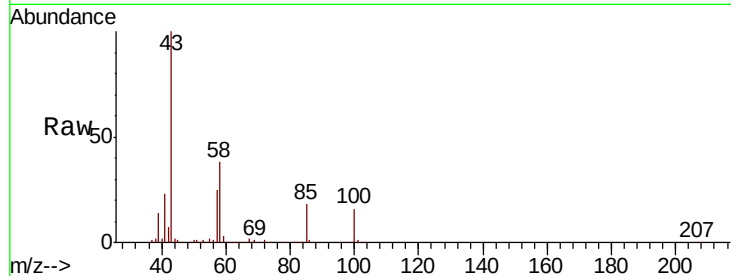
58 38.8 31.0 46.4

Manual Integrations

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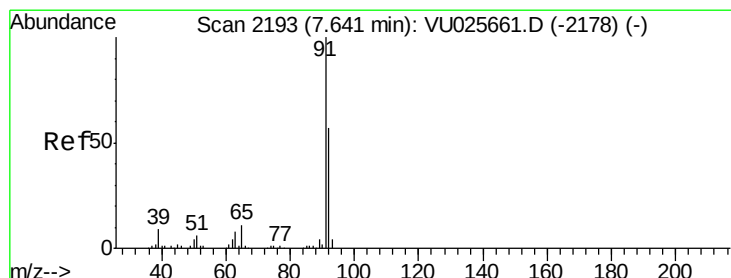
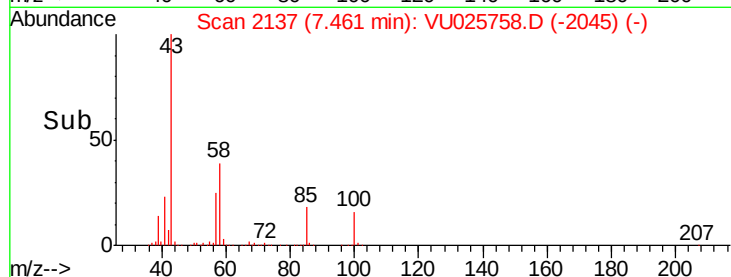
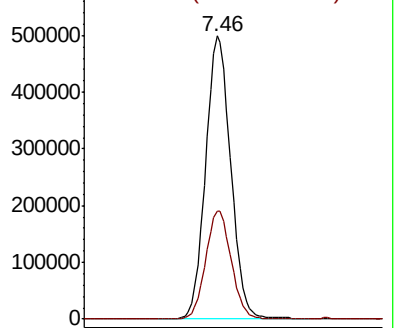
MMDadoda

8/2/2018 9:41:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 50.977 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025758.D

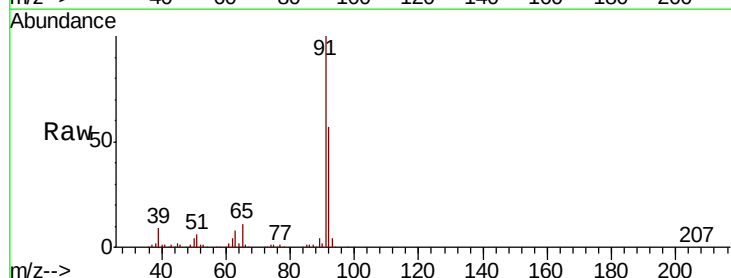
Acq: 31 Jul 2018 22:48

Tgt Ion: 92 Resp: 297222

Ion Ratio Lower Upper

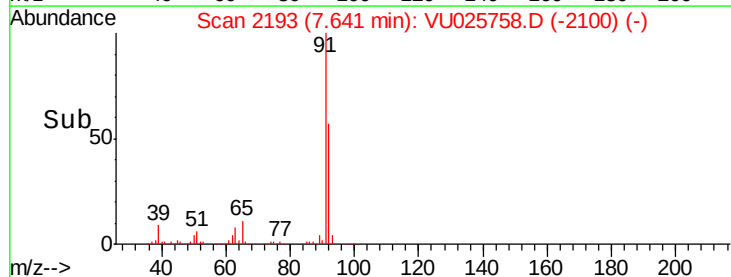
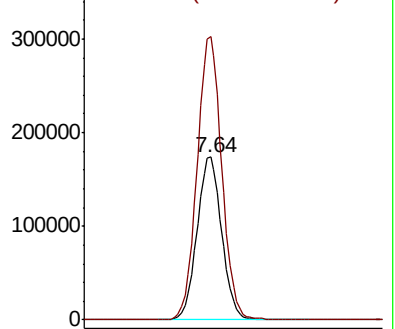
92 100

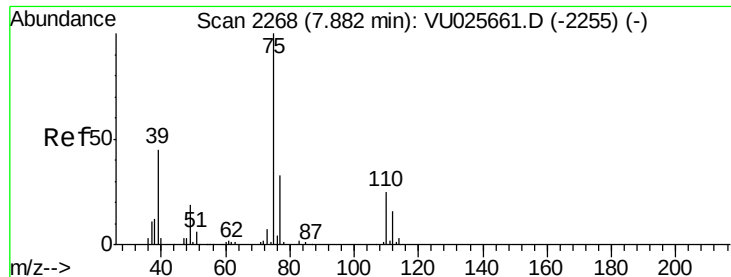
91 173.5 139.2 208.8



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: 50.079 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 190226

Ion Ratio Lower Upper

75 100

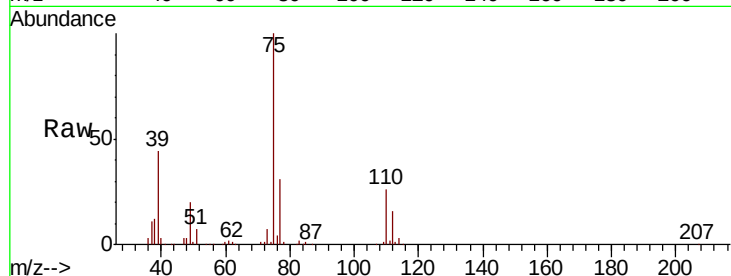
77 31.3 24.5 36.7

Manual Integrations

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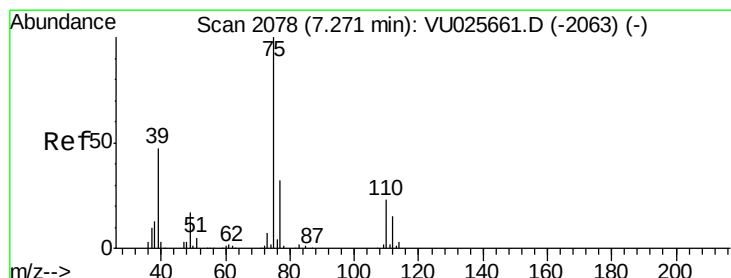
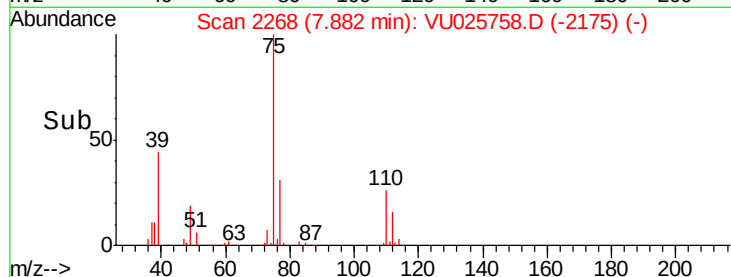
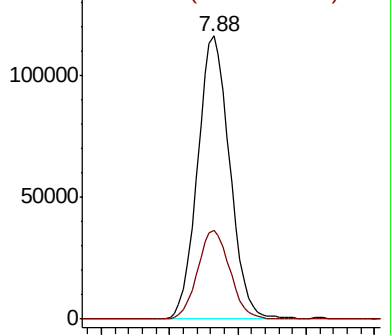
MMDadoda

8/2/2018 9:41:10 AM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 50.788 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

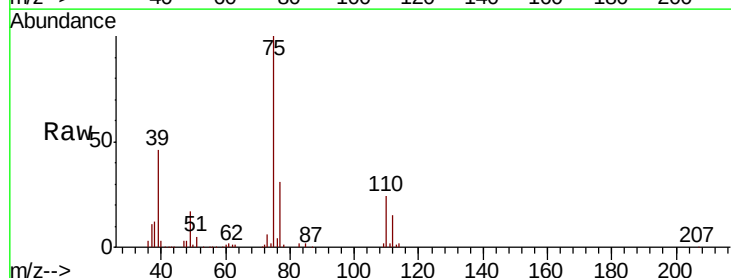
Tgt Ion: 75 Resp: 198169

Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4

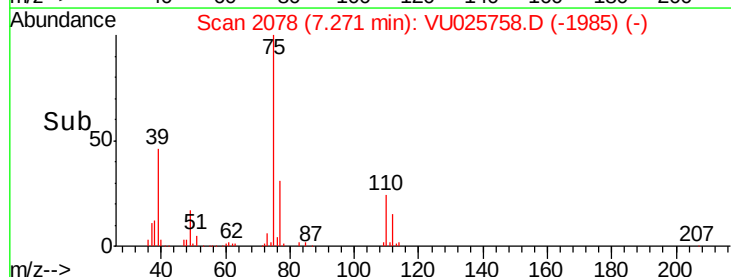
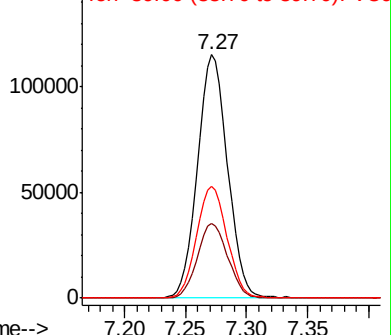
39 46.0 40.0 60.0

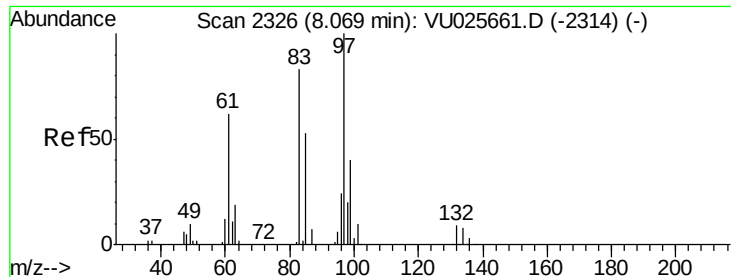


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





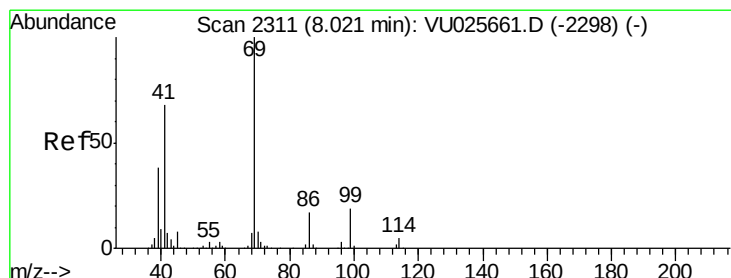
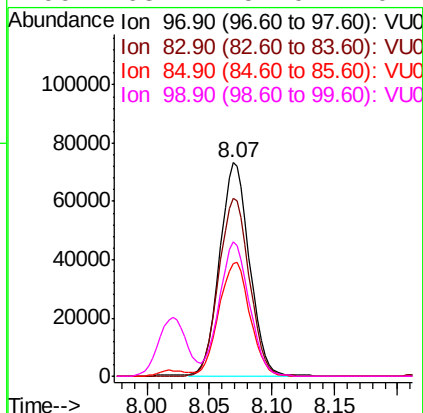
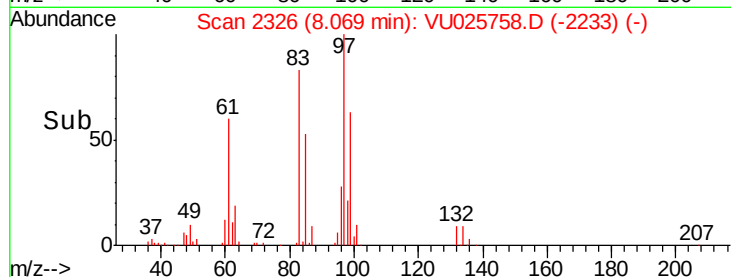
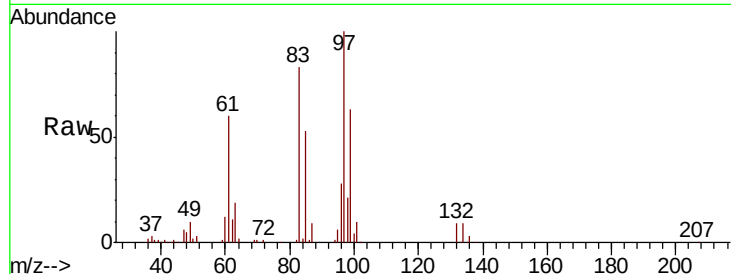
#55
 1,1,2-Trichloroethane
 Concen: 50.361 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	122025		
83	83.2	68.9	103.3	
85	52.9	44.4	66.6	
99	63.2	51.0	76.4	

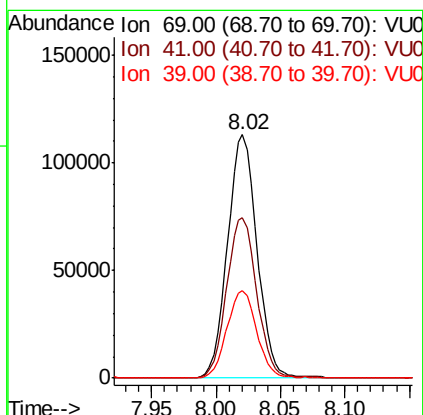
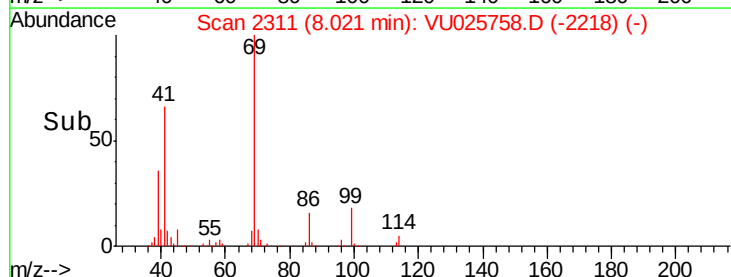
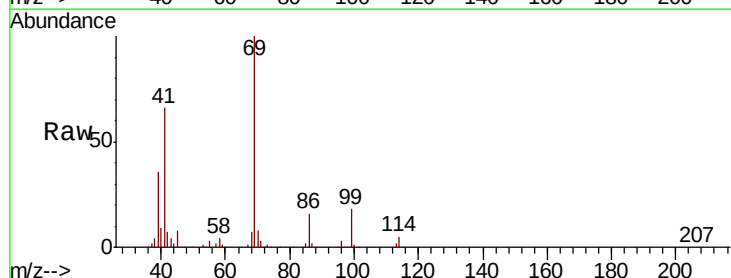
Manual Integrations
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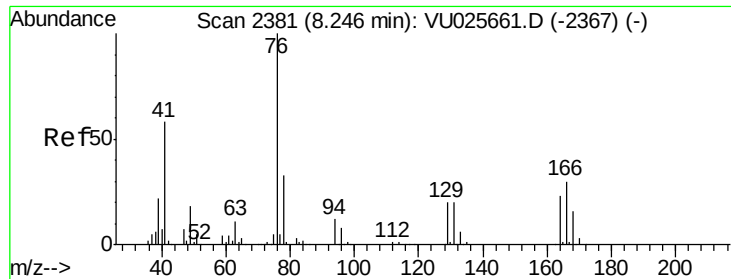
MMDadoda
 8/2/2018 9:41:10 AM



#56
 Ethyl methacrylate
 Concen: 51.952 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	179857		
41	67.0	54.8	82.2	
39	35.7	31.1	46.7	





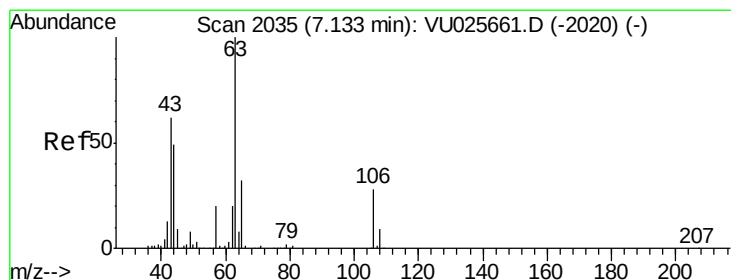
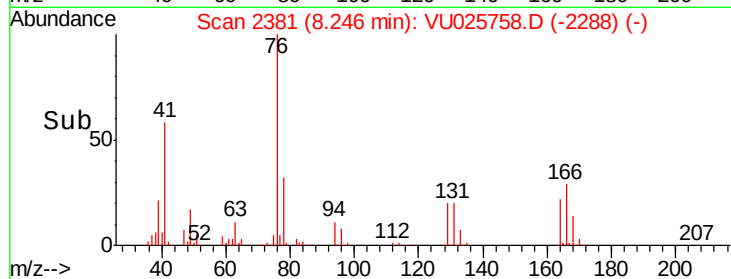
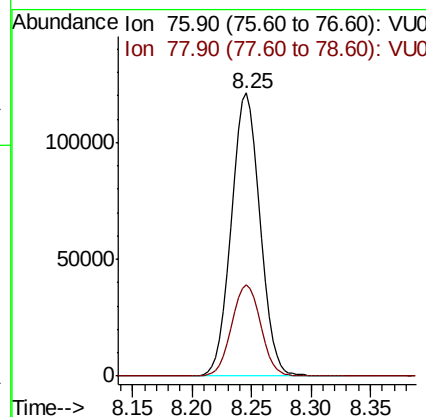
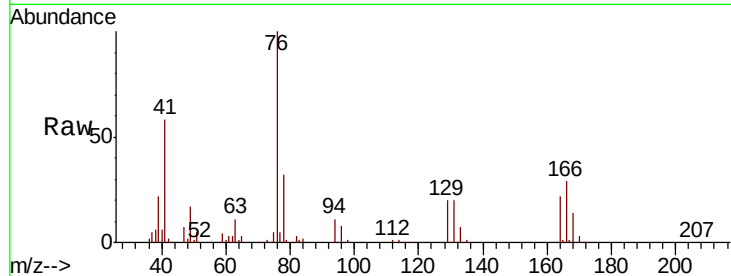
#57
 1,3-Dichloropropane
 Concen: 49.867 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.1	39.1

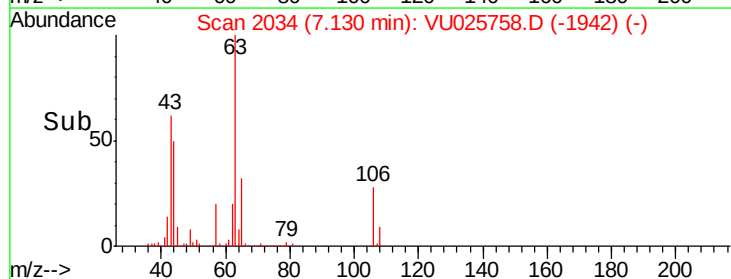
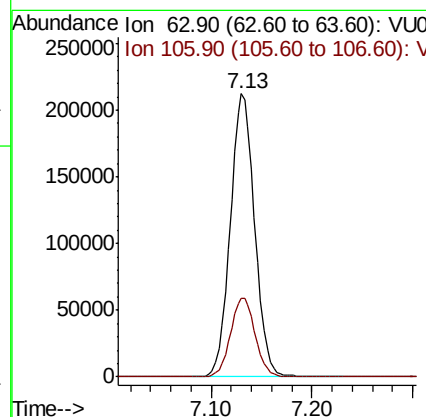
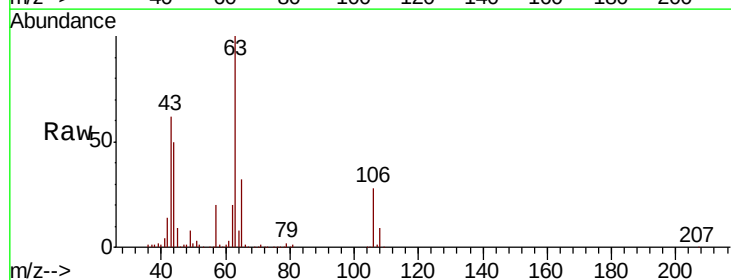
Manual Integrations
 APPROVED

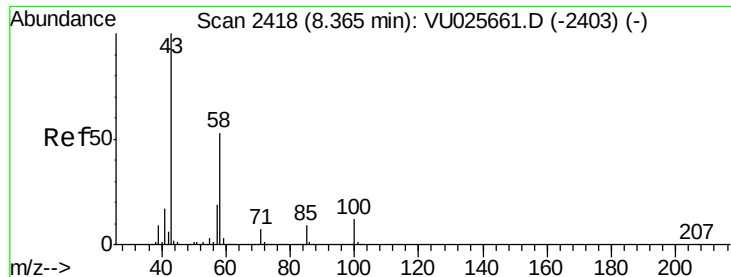
MMDadoda
 8/2/2018 9:41:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.313 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.3	33.5





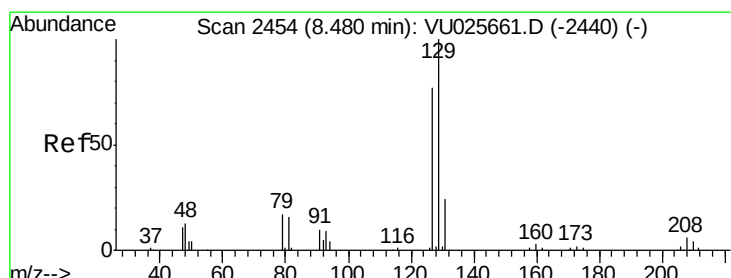
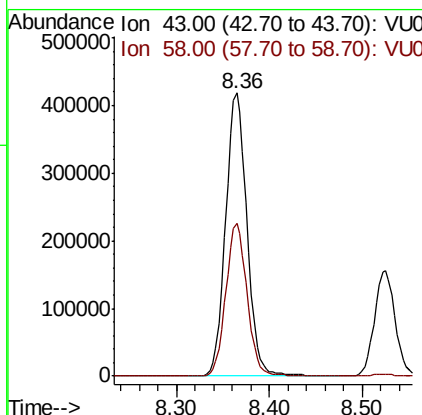
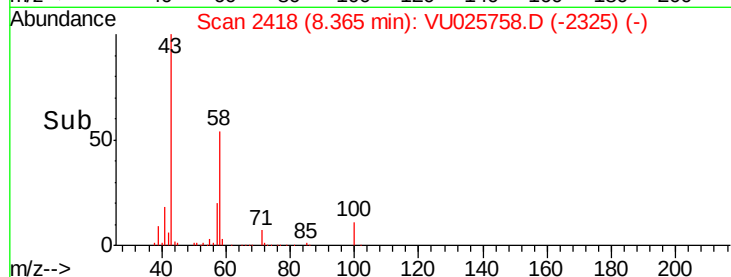
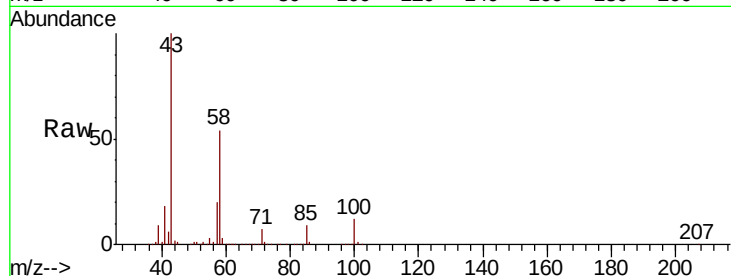
#59
2-Hexanone
Concen: 247.211 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 667431
Ion Ratio Lower Upper
43 100
58 53.8 26.2 78.5

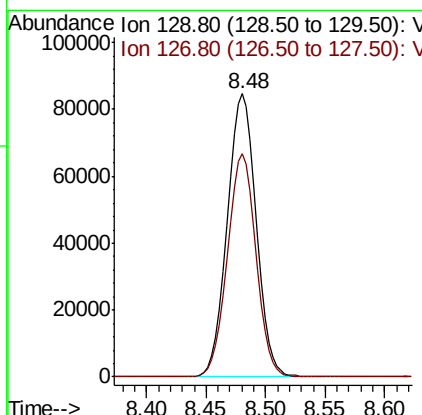
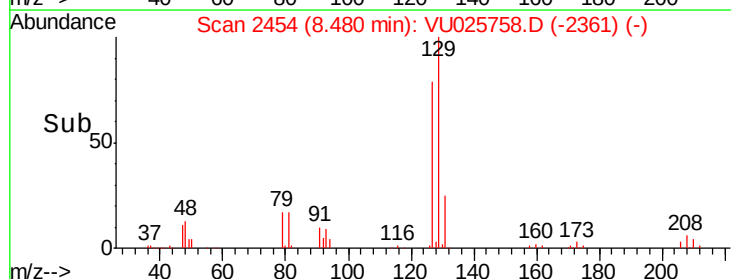
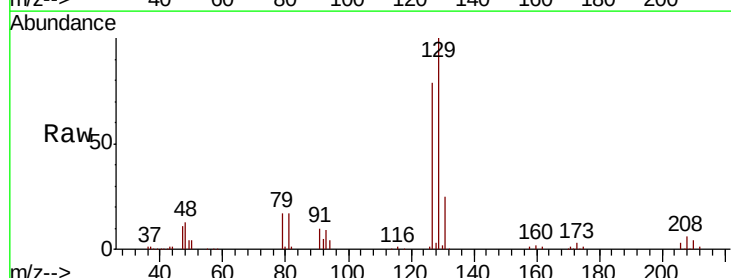
Manual Integrations
APPROVED

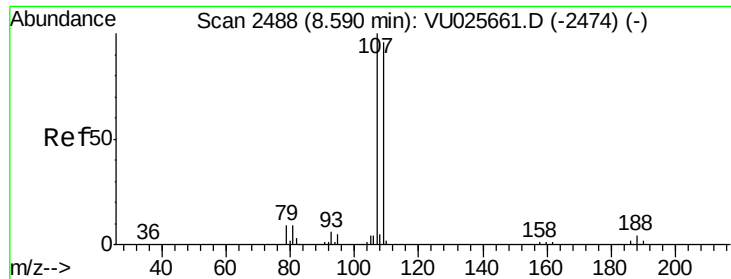
MMDadoda
8/2/2018 9:41:10 AM



#60
Dibromochloromethane
Concen: 49.939 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion: 129 Resp: 142693
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





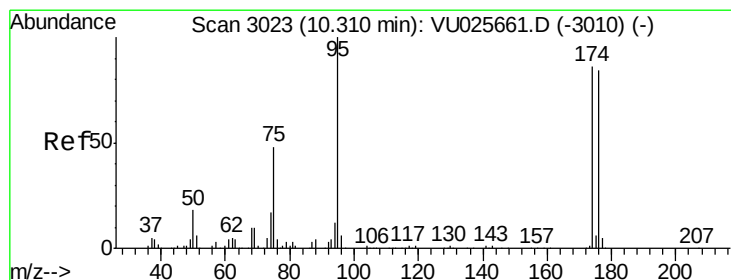
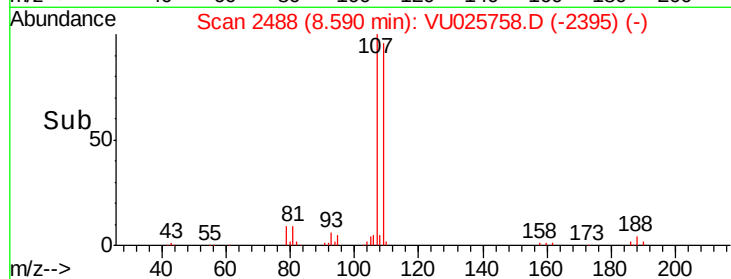
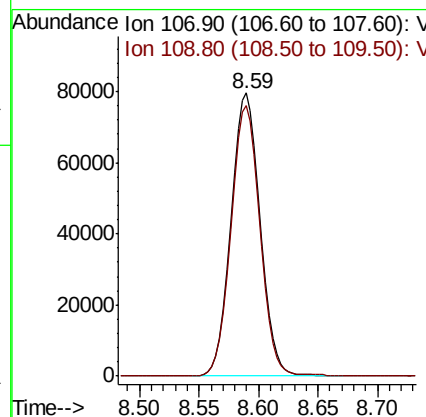
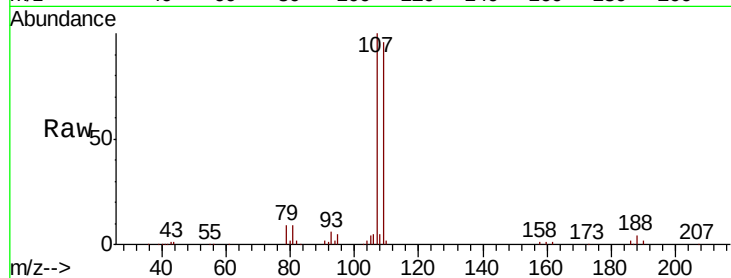
#61
 1,2-Dibromoethane
 Concen: 50.051 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.8	113.8

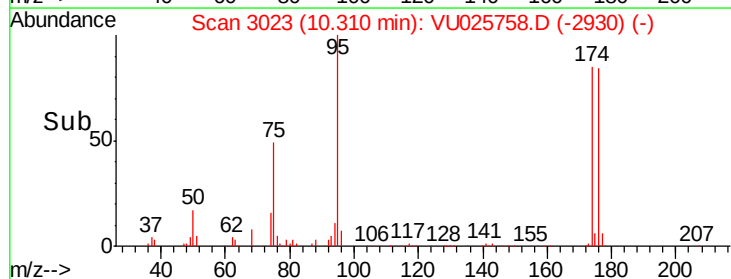
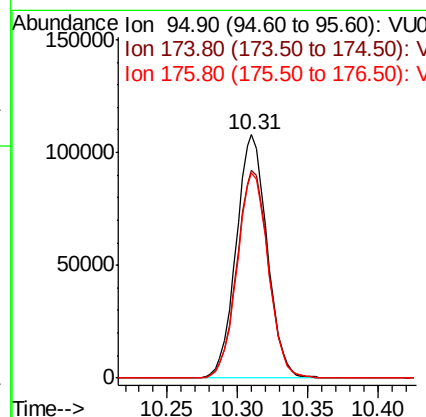
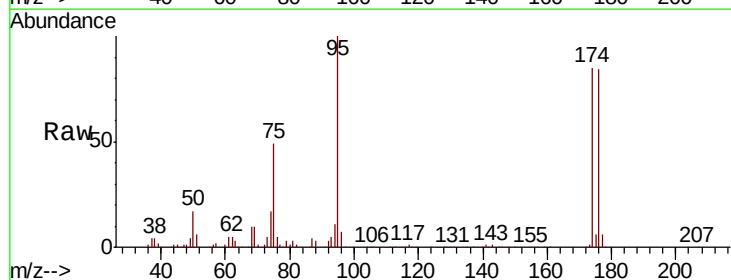
Manual Integrations
 APPROVED

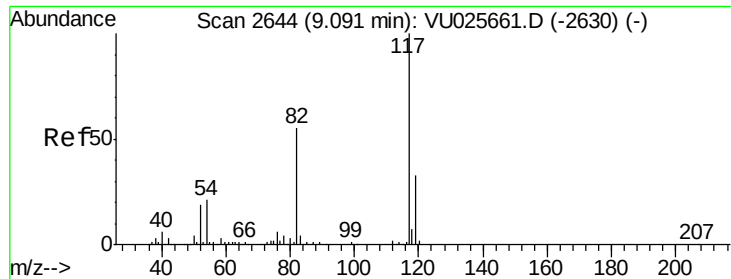
MMDadoda
 8/2/2018 9:41:10 AM



#62
 4-Bromofluorobenzene
 Concen: 51.171 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	172.2
176	84.9	0.0	162.6





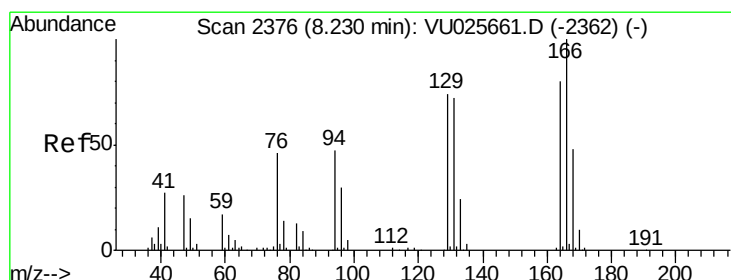
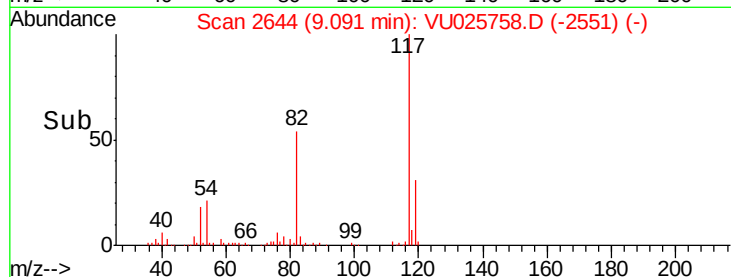
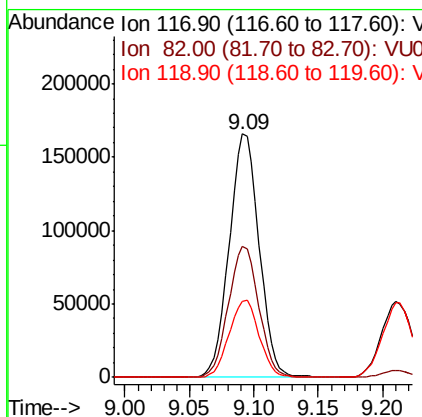
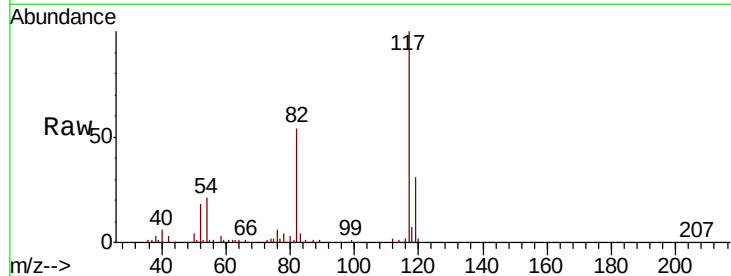
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	267286		
82	53.8	46.0	69.0	
119	31.4	26.0	39.0	

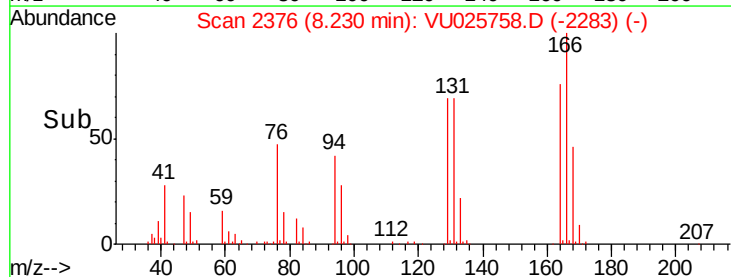
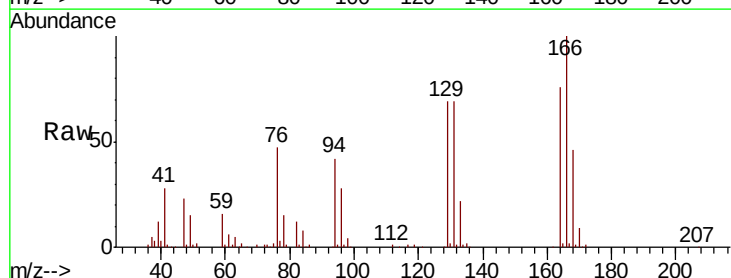
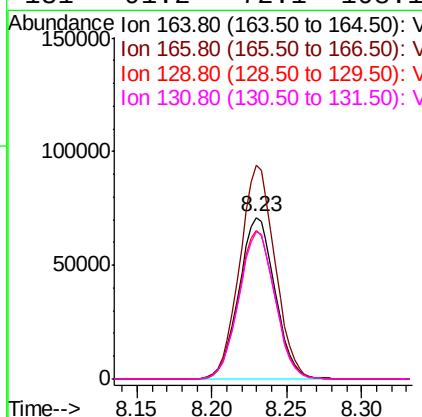
Manual Integrations
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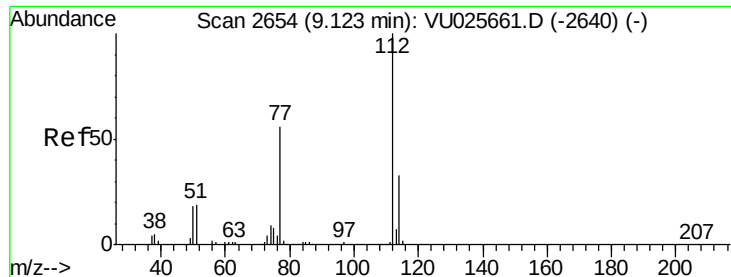
MMDadoda
8/2/2018 9:41:10 AM



#64
Tetrachloroethene
Concen: 50.612 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119072		
166	132.4	101.1	151.7	
129	91.8	73.0	109.6	
131	91.2	72.1	108.1	





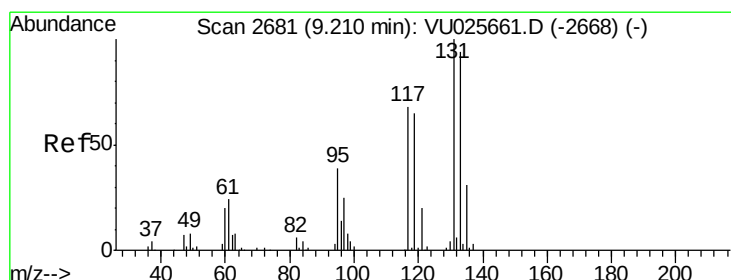
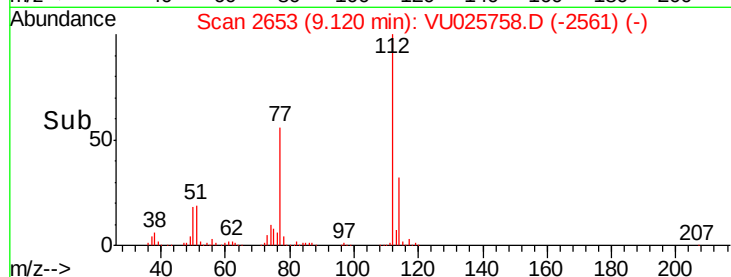
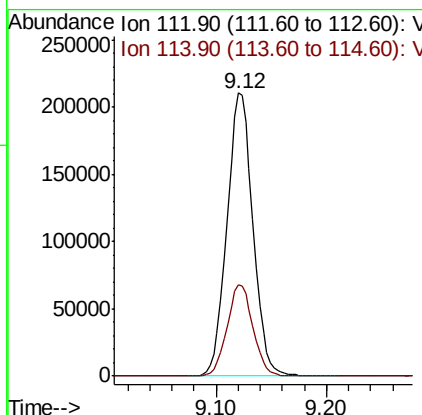
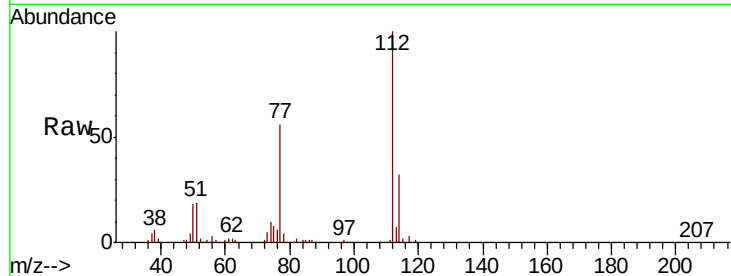
#65
Chlorobenzene
Concen: 49.860 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		343600		
114	32.3		25.8	38.8	

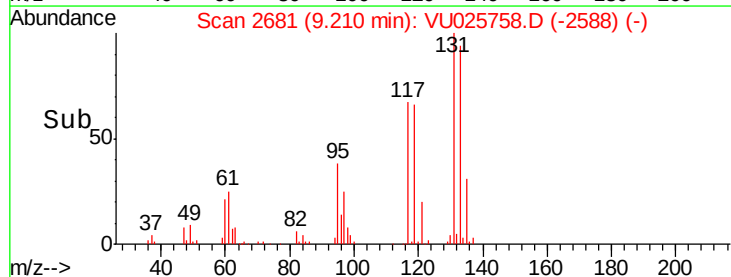
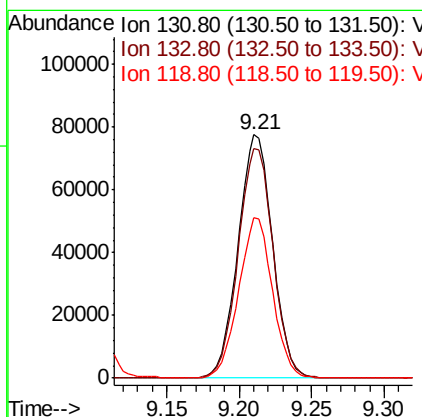
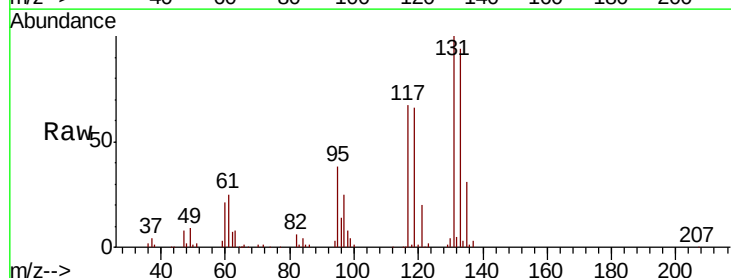
Manual Integrations
APPROVED

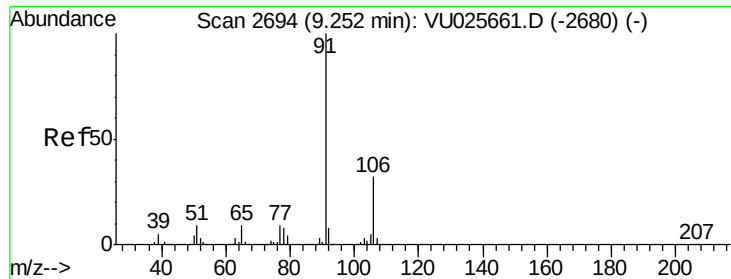
MMDadoda
8/2/2018 9:41:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.419 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
131	100		128184		
133	95.6		47.8	143.3	
119	64.9		31.6	95.0	





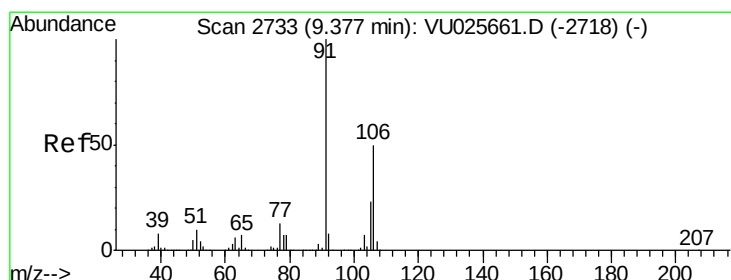
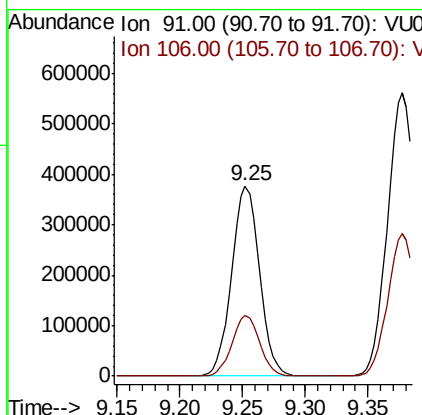
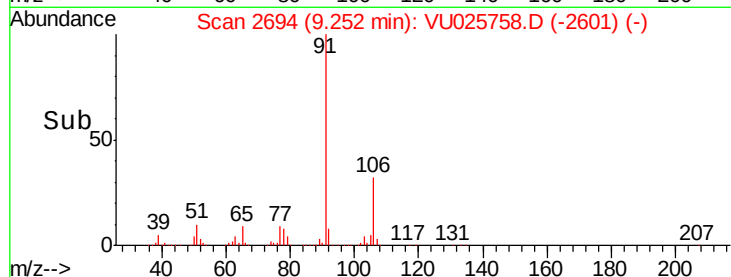
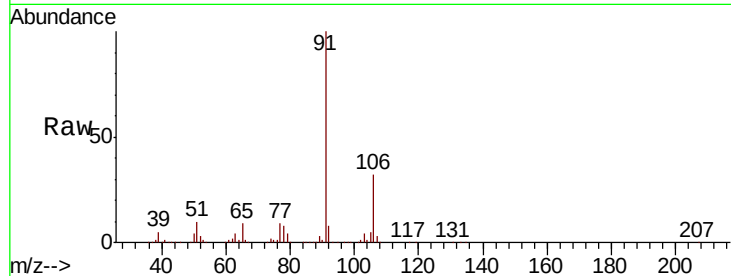
#67
Ethyl Benzene
Concen: 50.912 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 581158
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9

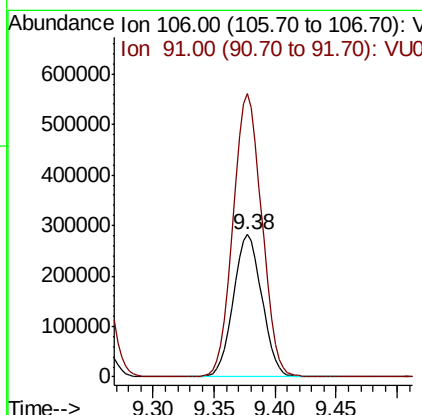
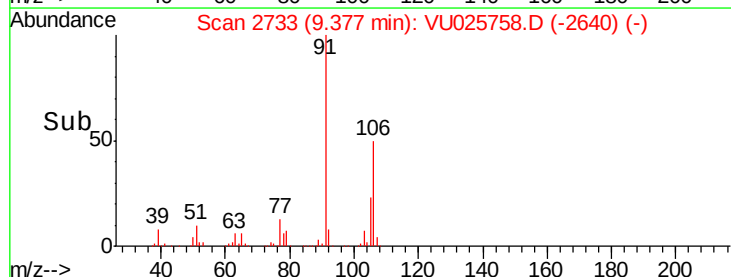
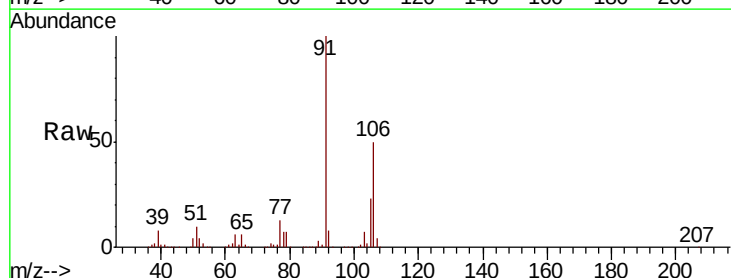
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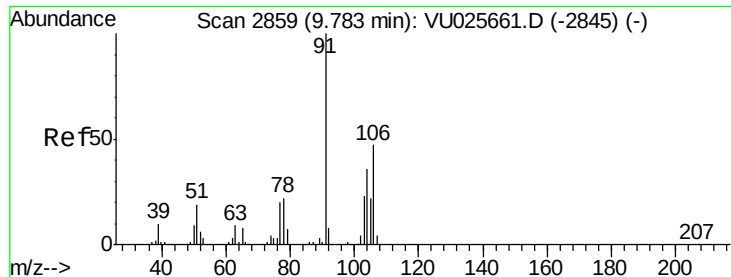
MMDadoda
8/2/2018 9:41:10 AM



#68
m/p-Xylenes
Concen: 104.764 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion: 106 Resp: 459119
Ion Ratio Lower Upper
106 100
91 200.2 162.3 243.5





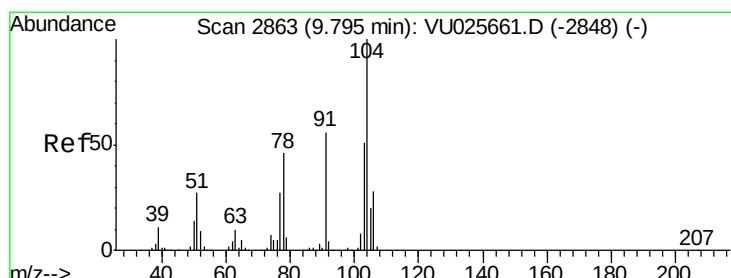
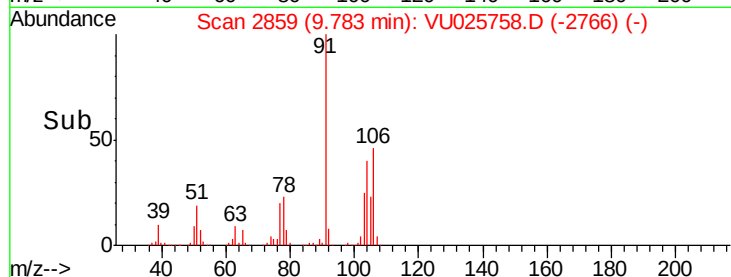
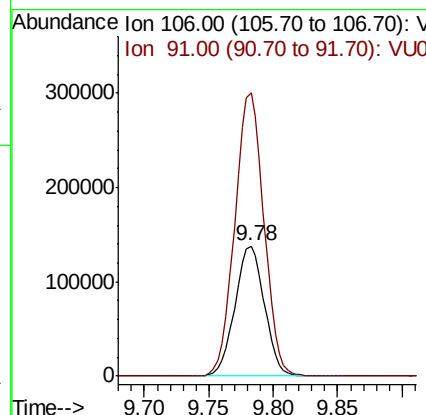
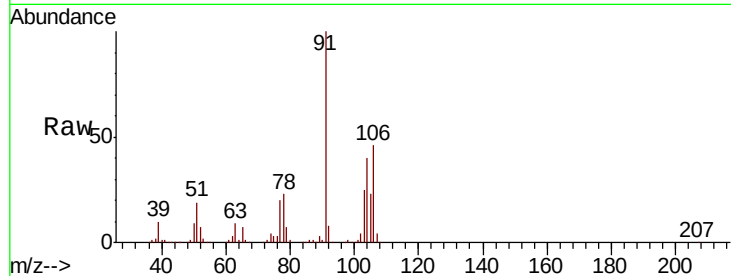
#69
o-Xylene
Concen: 51.091 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.2	105.3	315.8

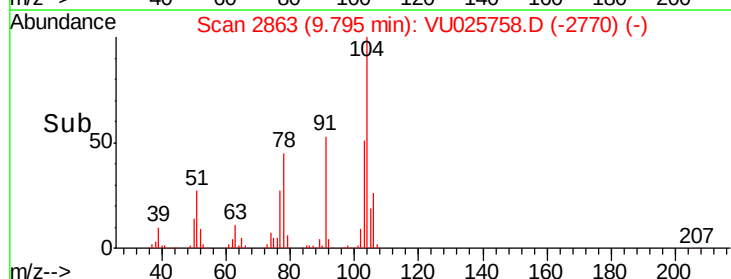
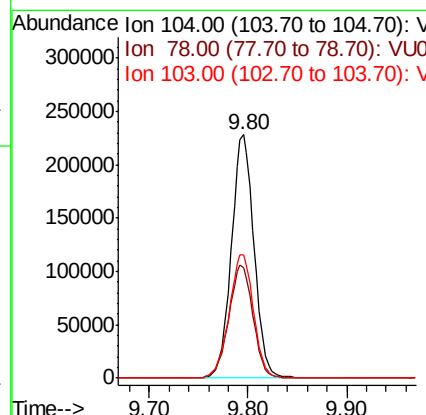
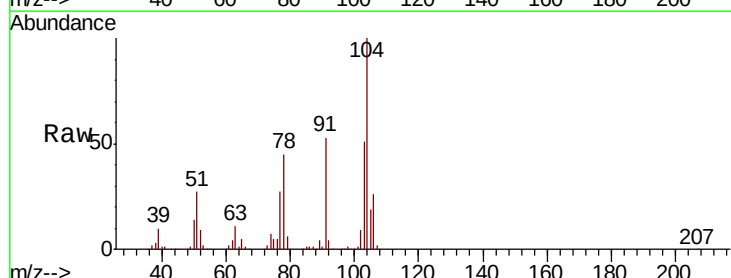
Manual Integrations
APPROVED

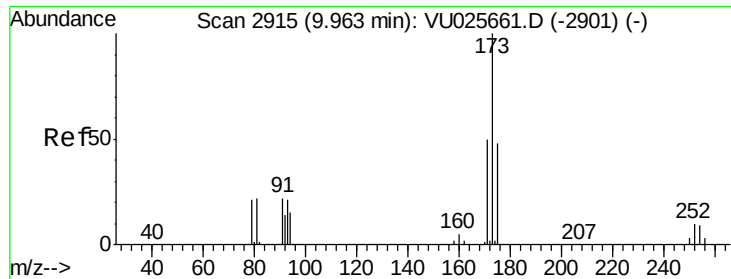
MMDadoda
8/2/2018 9:41:10 AM



#70
Styrene
Concen: 52.898 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	41.6	62.4
103	54.8	44.6	66.8





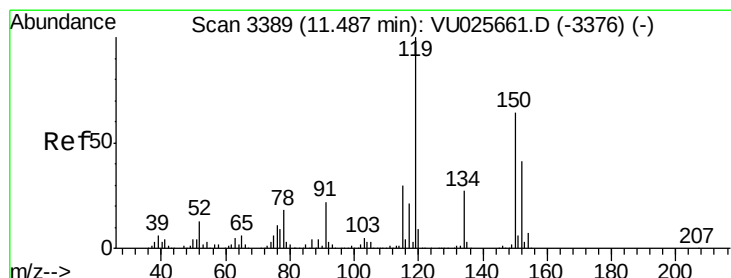
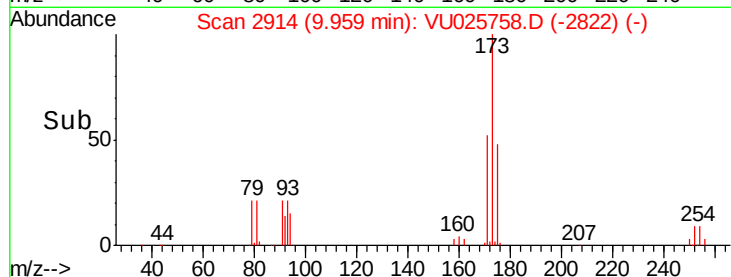
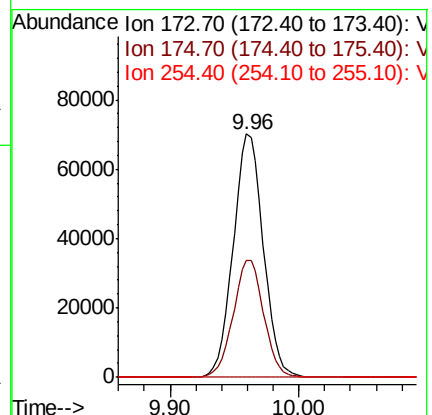
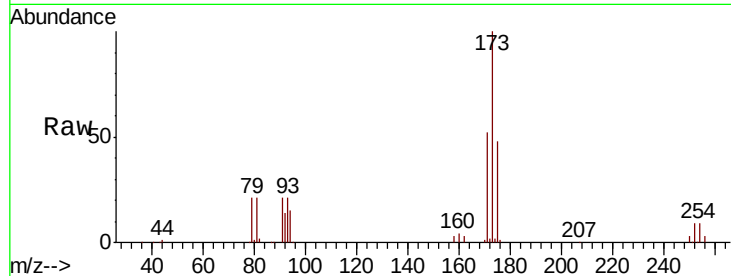
#71
Bromoform
Concen: 52.487 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.0	72.0
254	0.0	0.0	0.0

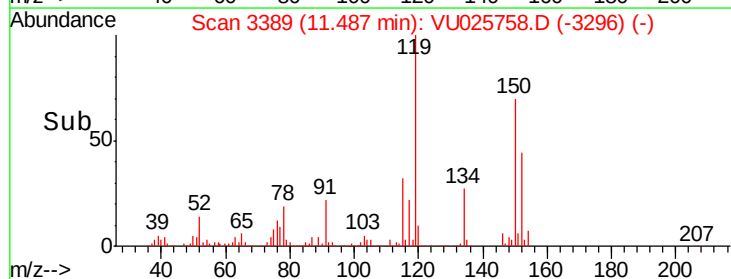
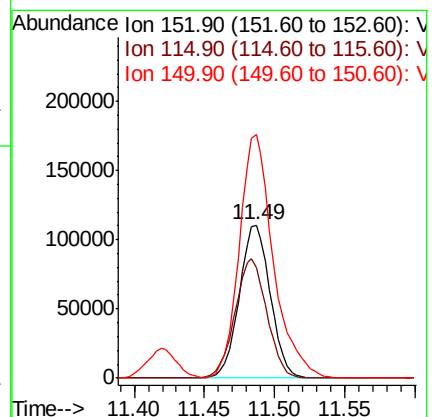
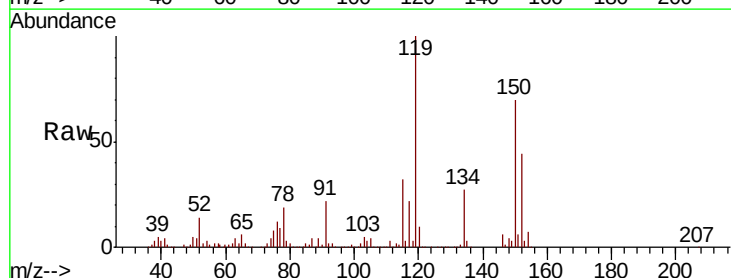
Manual Integrations
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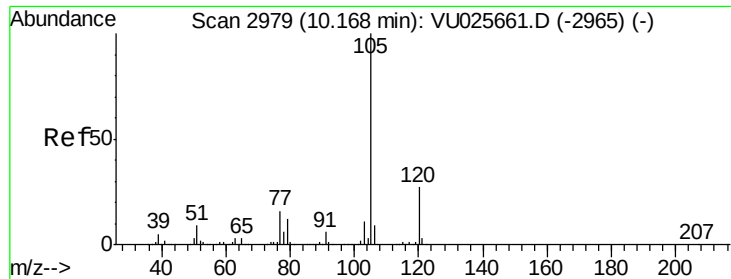
MMDadoda
8/2/2018 9:41:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.0	40.1	120.3
150	174.6	0.0	351.4





#73

Isopropylbenzene

Concen: 51.437 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 597149

Ion Ratio Lower Upper

105 100

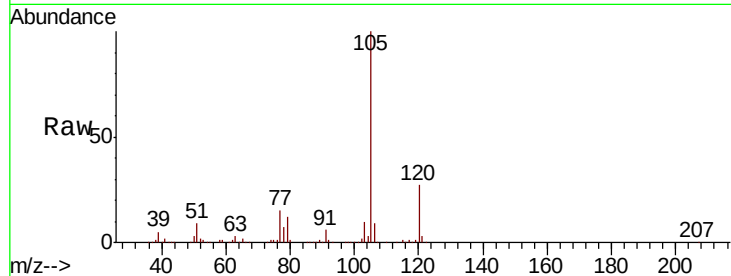
120 27.0 13.5 40.5

Manual Integrations

APPROVED

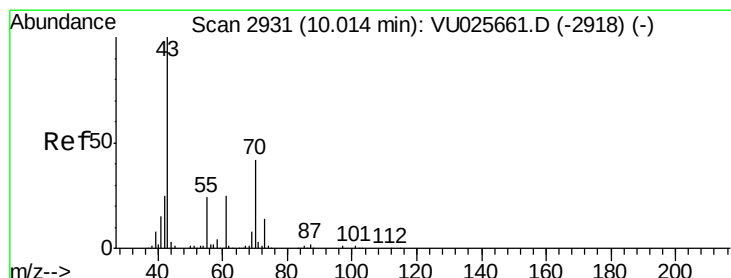
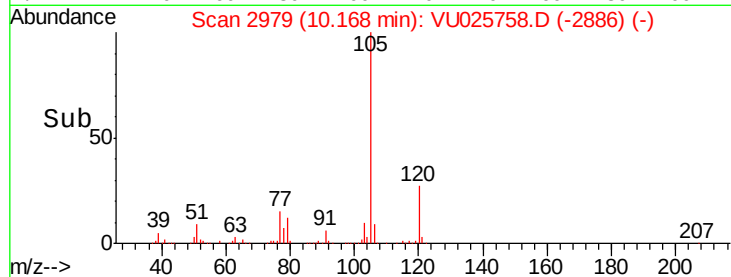
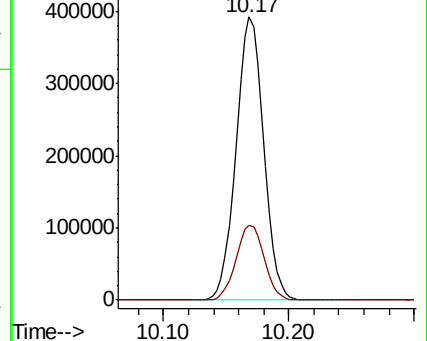
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.435 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Tgt Ion: 43 Resp: 243771

Ion Ratio Lower Upper

43 100

70 42.8 33.4 50.2

55 24.1 19.0 28.6

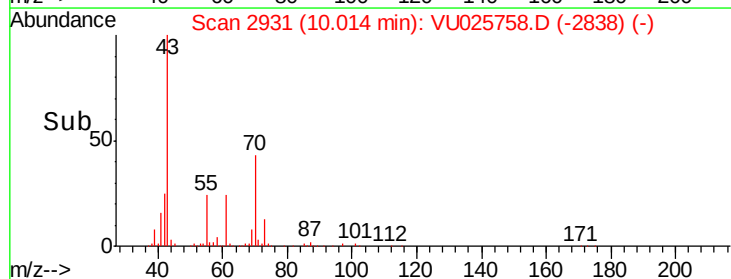
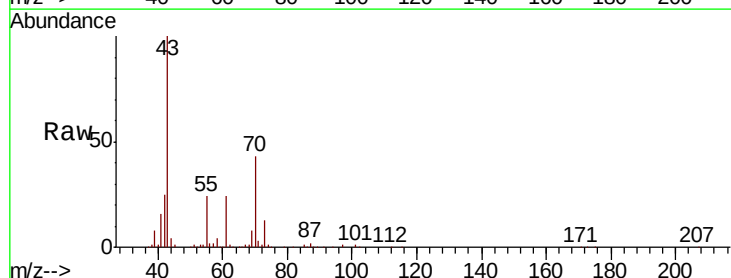
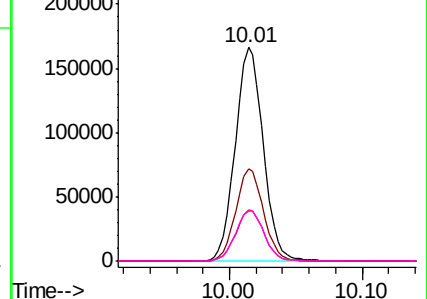
61 24.4 19.3 28.9

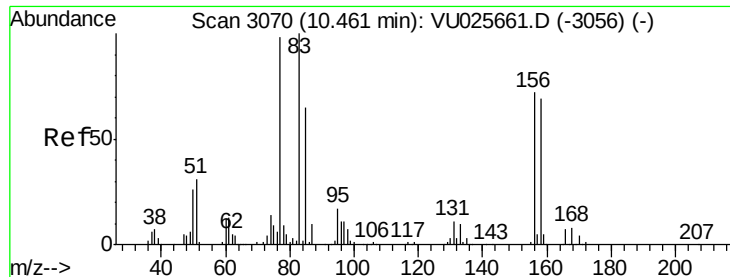
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.060 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

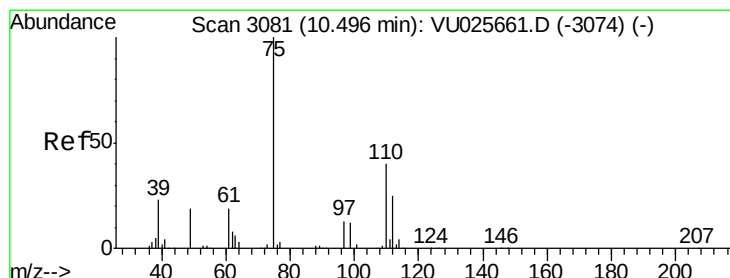
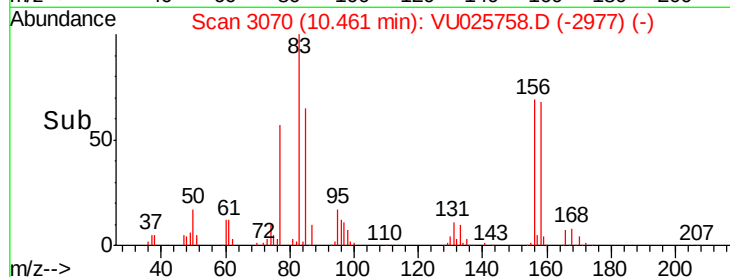
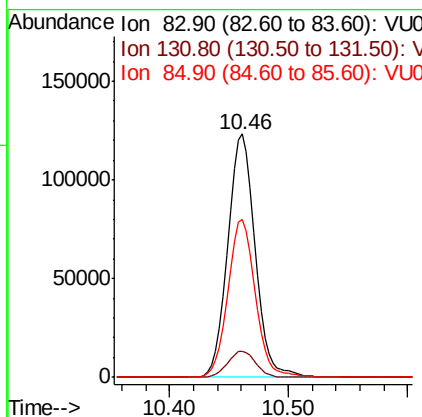
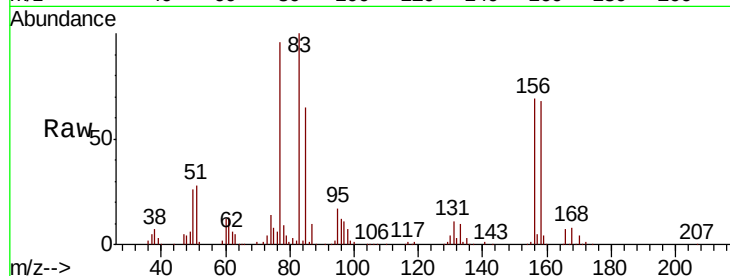
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	196962
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	65.2	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.997 ug/l m

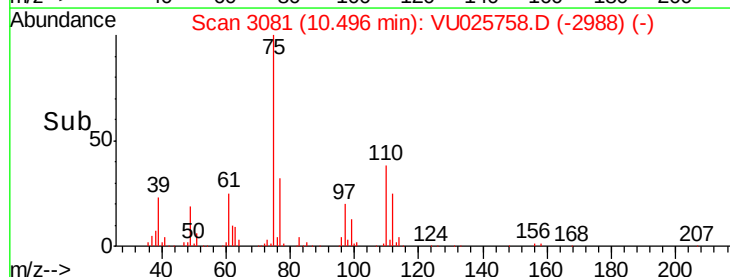
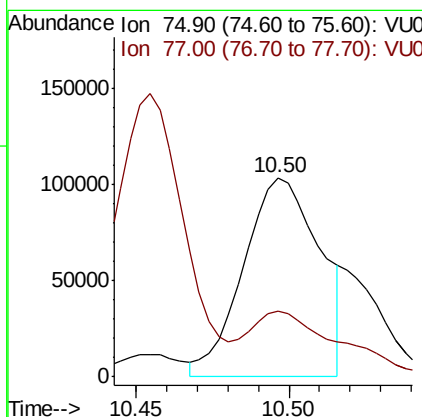
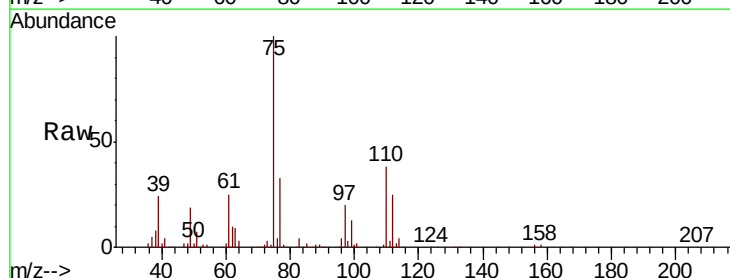
RT: 10.50 min Scan# 3081

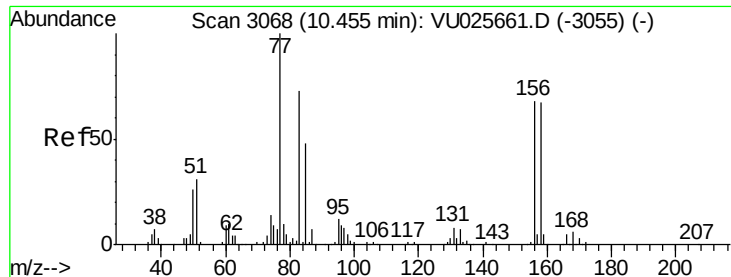
Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Tgt Ion:	75	Resp:	179883
Ion Ratio	Lower	Upper	
75	100		
77	40.2	20.4	61.3





#77

Bromobenzene

Concen: 50.627 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Instrument :

MSVOA_U

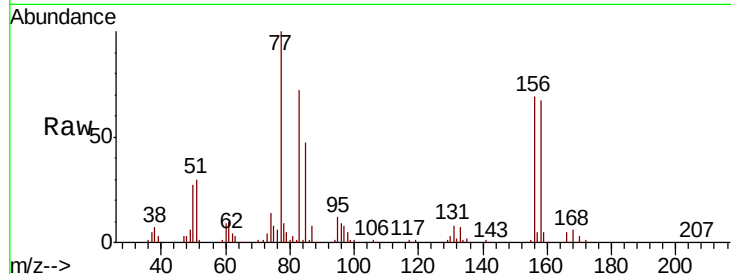
ClientSampleId :

VSTDCCC050EC

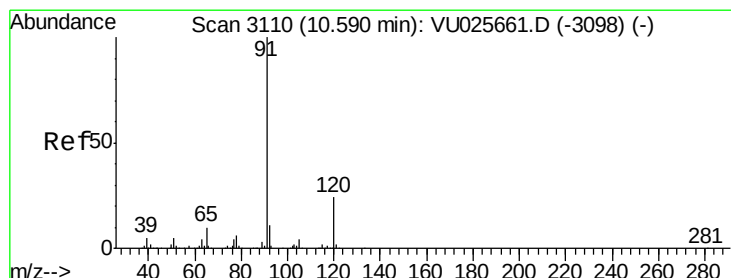
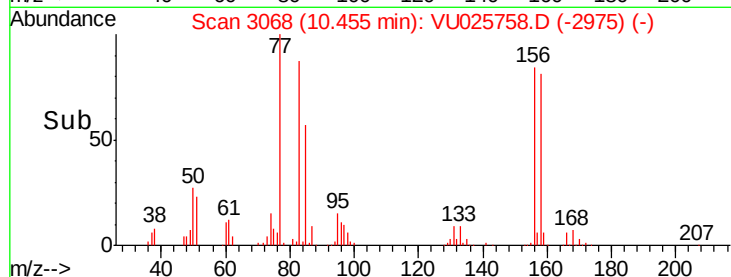
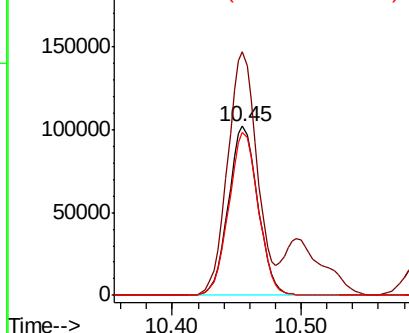
Tot Ion:	156	Resp:	162116
Ion Ratio	Lower	Upper	
156	100		
77	144.0	73.8	221.4
158	96.3	48.0	144.0

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VU0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.793 ug/l

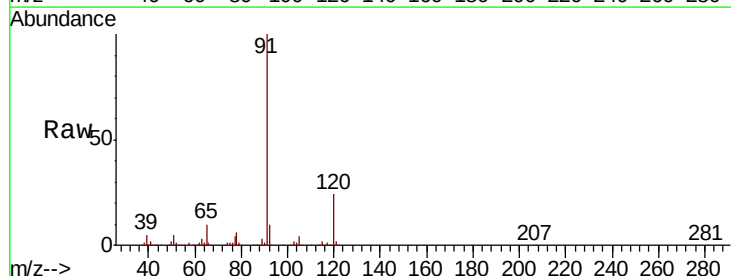
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

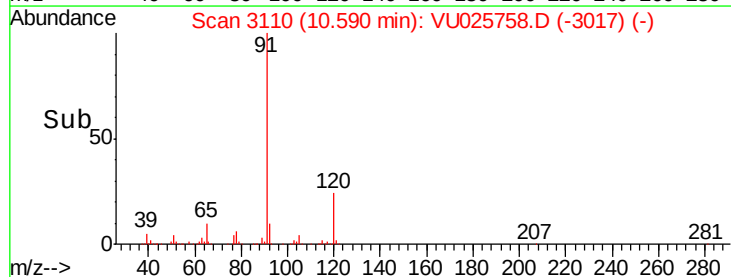
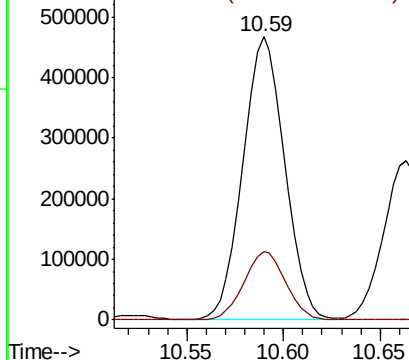
Lab File: VU025758.D

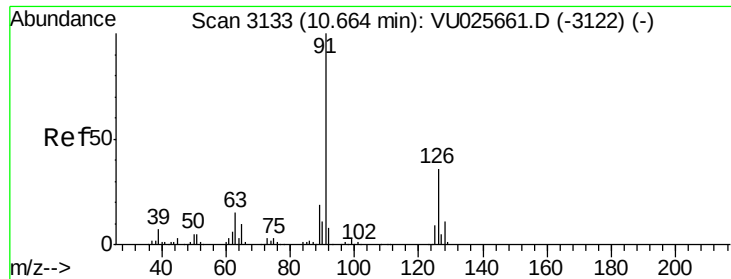
Acq: 31 Jul 2018 22:48

Tgt Ion:	91	Resp:	701811
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V





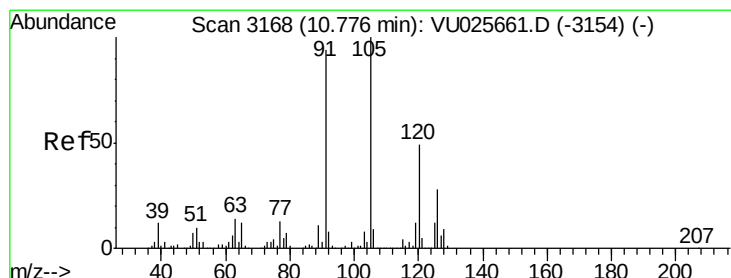
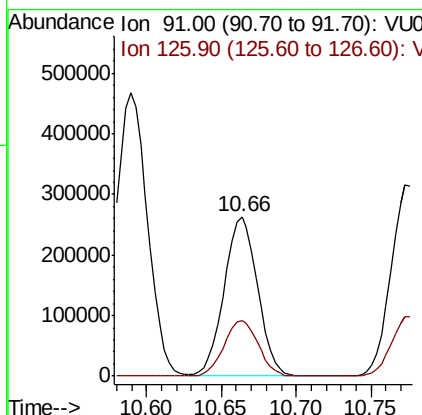
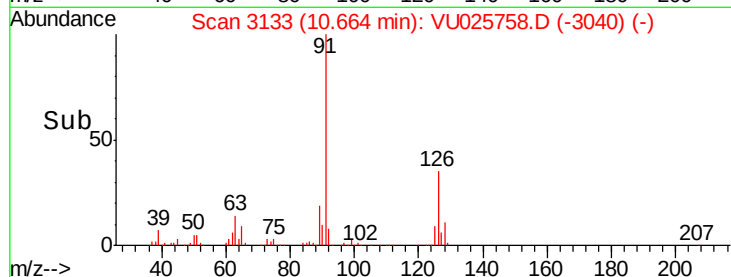
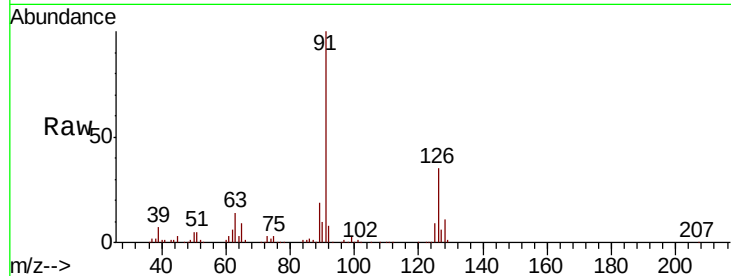
#79
 2-Chlorotoluene
 Concen: 51.655 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		409962		
126	35.6	17.5	52.6		

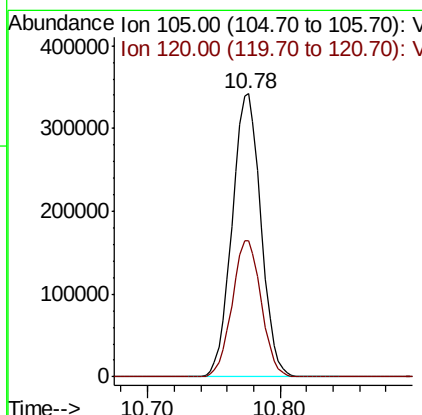
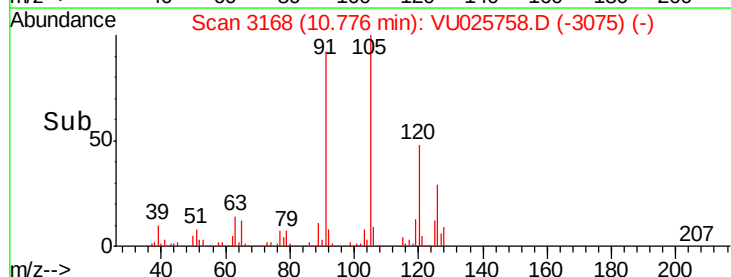
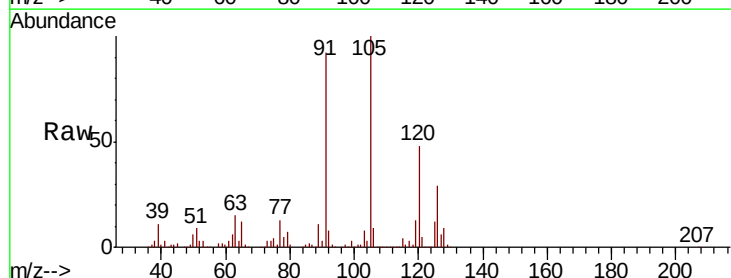
Manual Integrations
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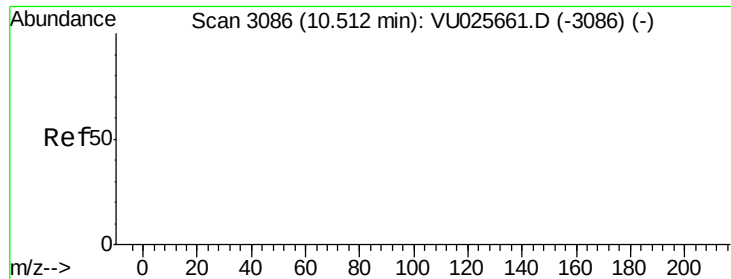
MMDadoda
 8/2/2018 9:41:10 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.312 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		515771		
120	48.6	24.1	72.2		





#81

trans-1,4-Dichloro-2-butene

Concen: 41.857 ug/l

RT: 10.51 min Scan# 3086

Delta R.T. 0.02 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

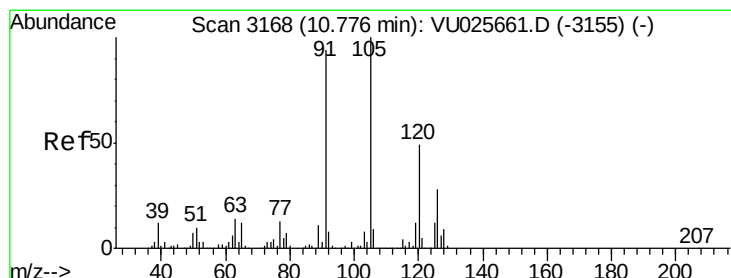
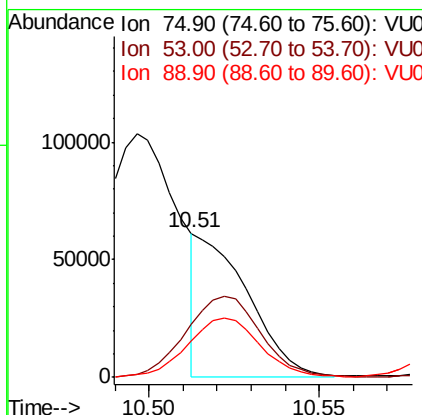
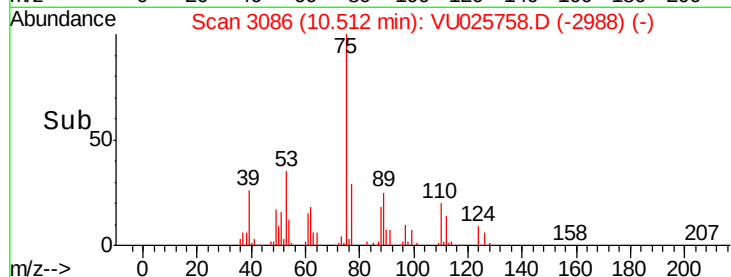
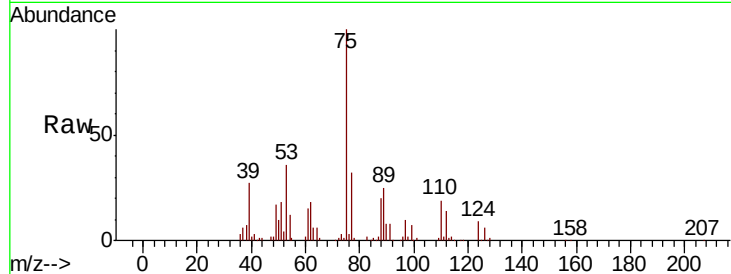
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.100 ug/l

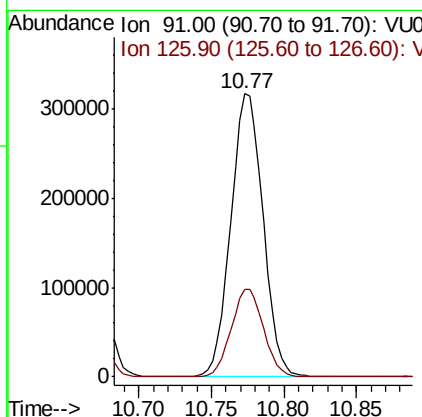
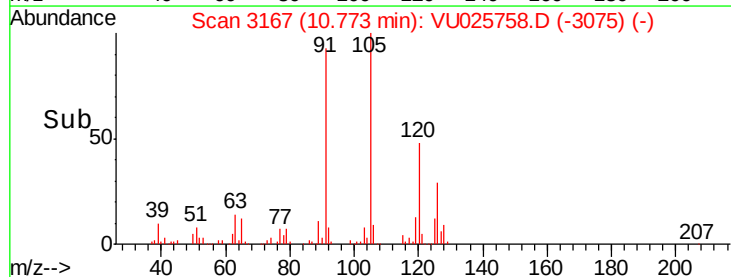
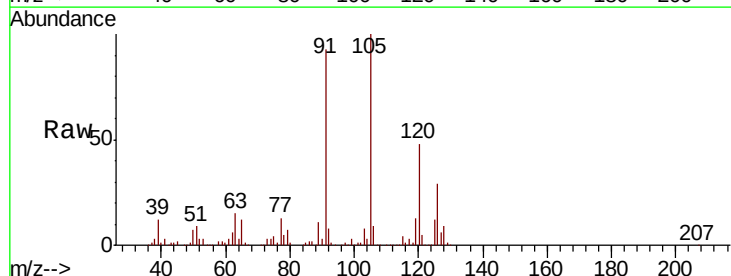
RT: 10.77 min Scan# 3167

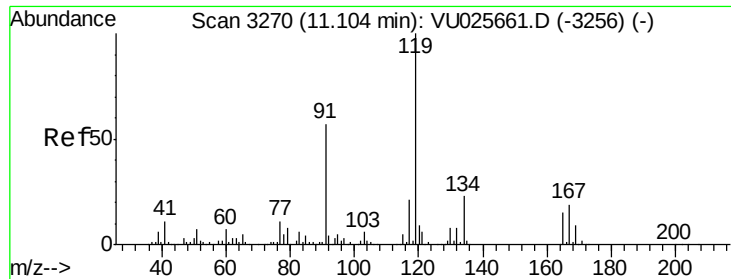
Delta R.T. -0.00 min

Lab File: VU025758.D

Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.9





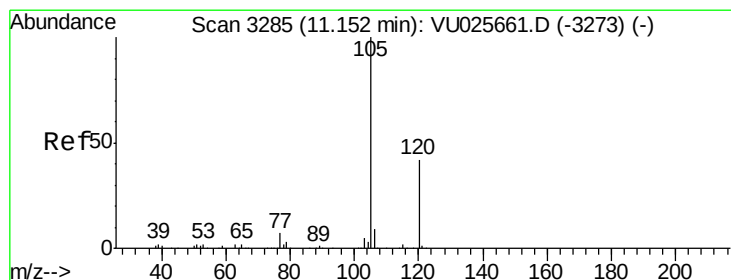
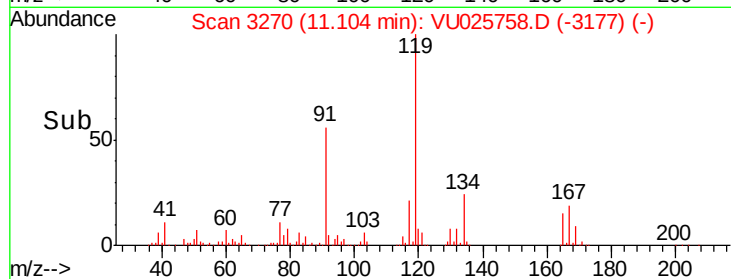
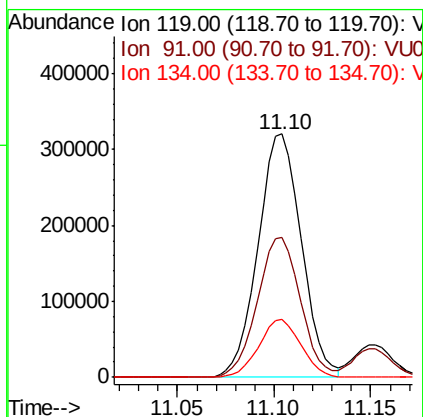
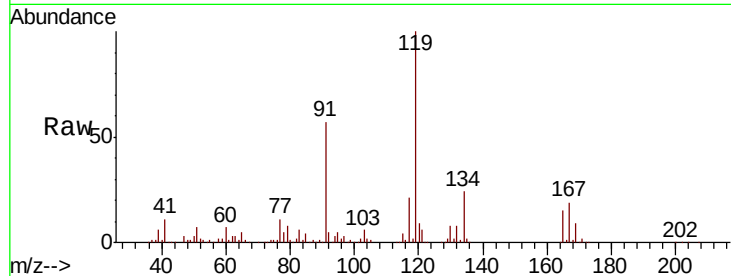
#83
 tert-Butylbenzene
 Concen: 51.066 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.9	29.7	89.1
134	23.0	11.5	34.5

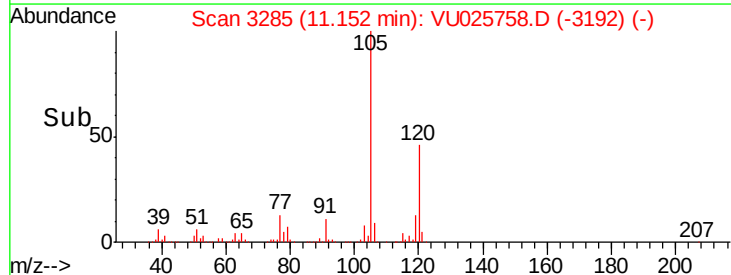
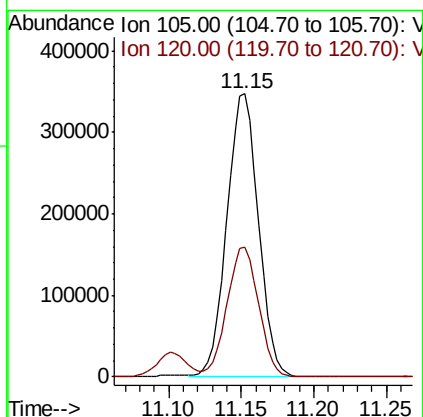
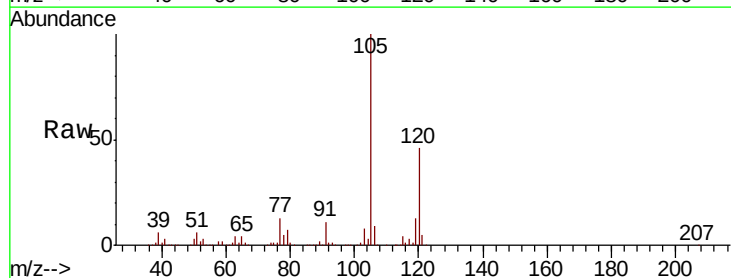
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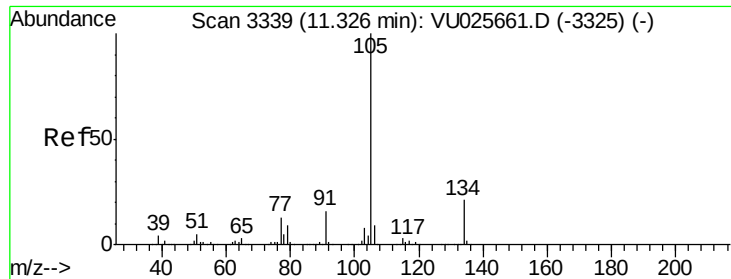
MMDadoda
 8/2/2018 9:41:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.400 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.8





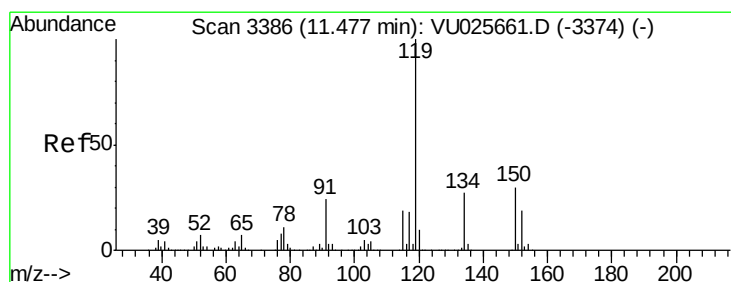
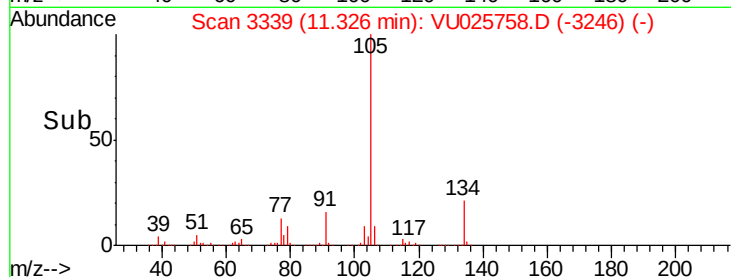
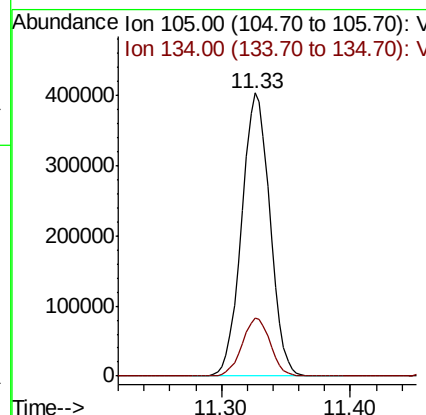
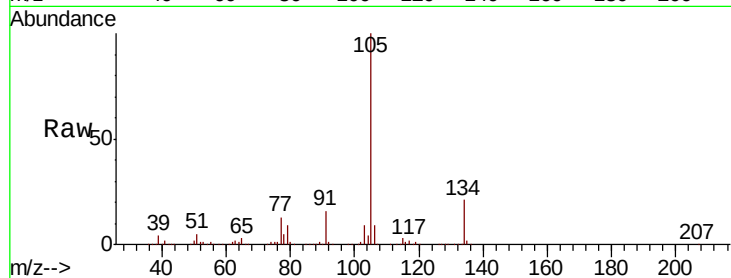
#85
 sec-Butylbenzene
 Concen: 51.254 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.8

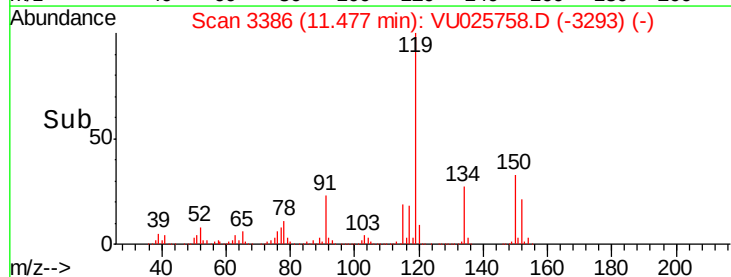
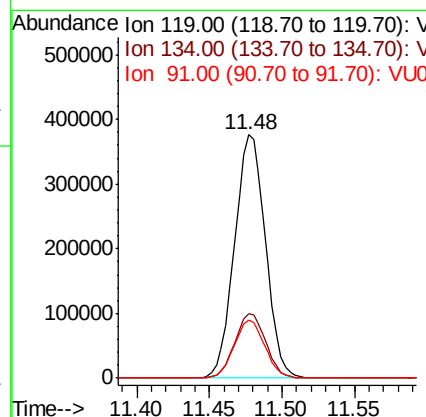
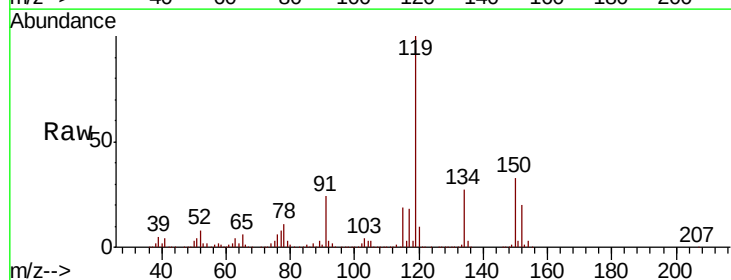
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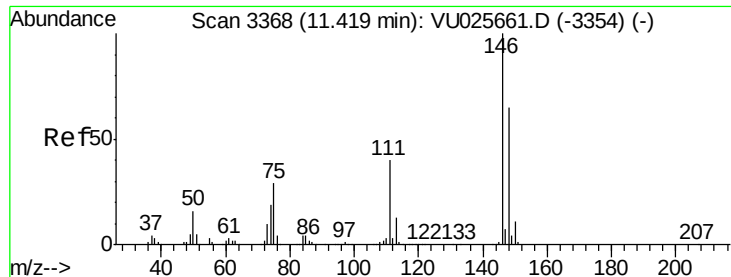
MMDadoda
 8/2/2018 9:41:10 AM



#86
 p-Isopropyltoluene
 Concen: 51.800 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.2	39.5
91	23.5	12.0	36.1





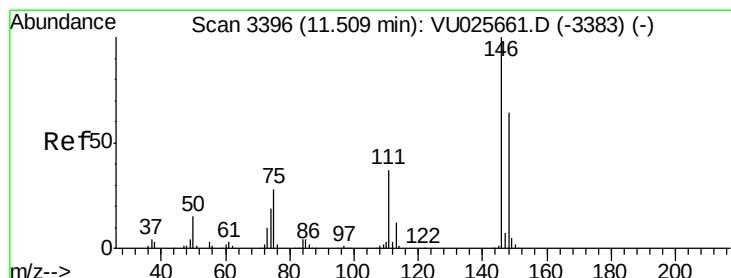
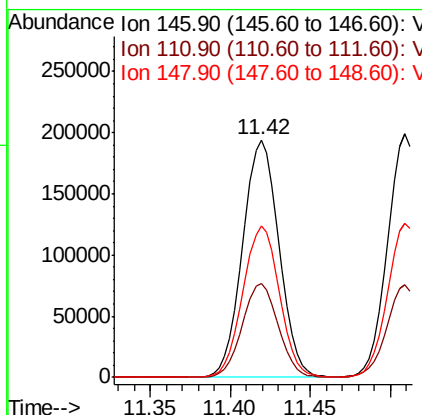
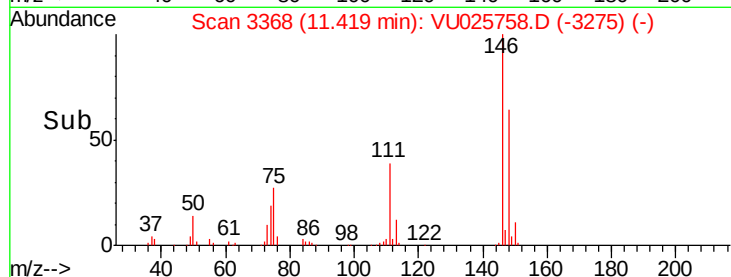
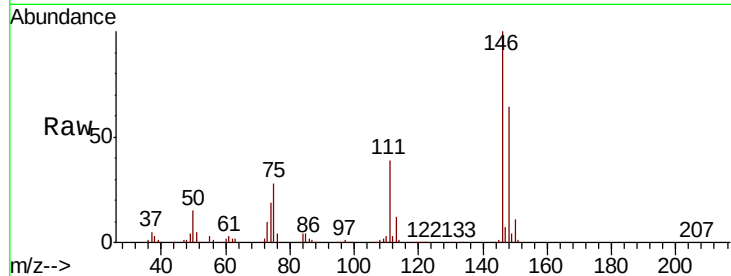
#87
 1,3-Dichlorobenzene
 Concen: 50.547 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.1	32.1	96.3

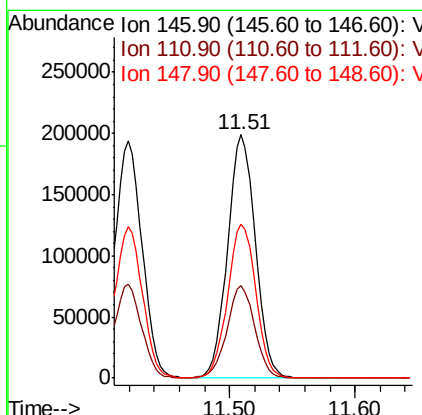
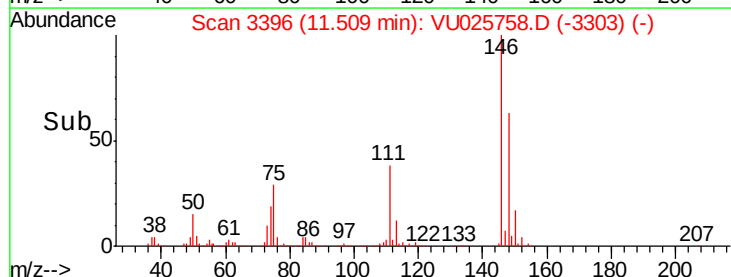
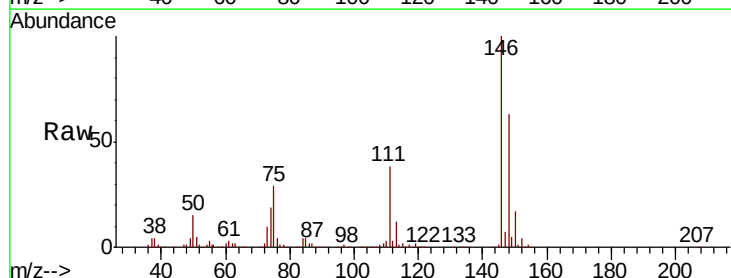
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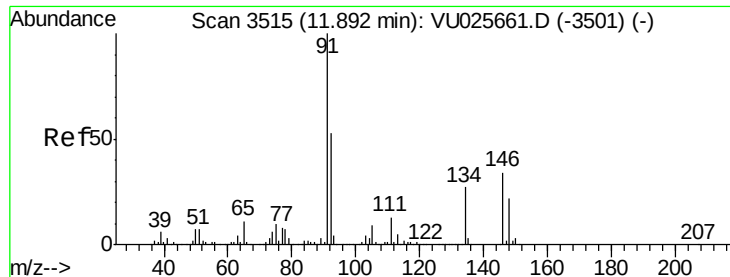
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.151 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.3	31.7	95.1





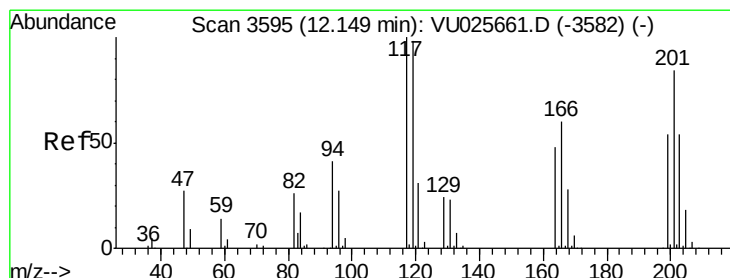
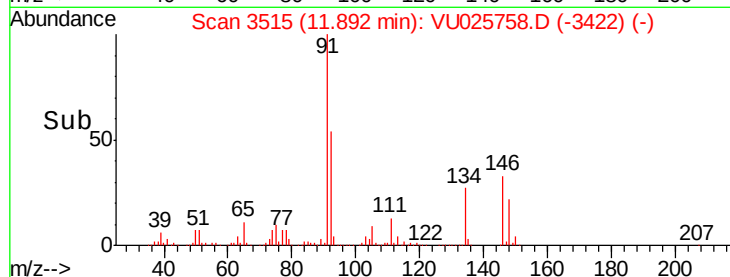
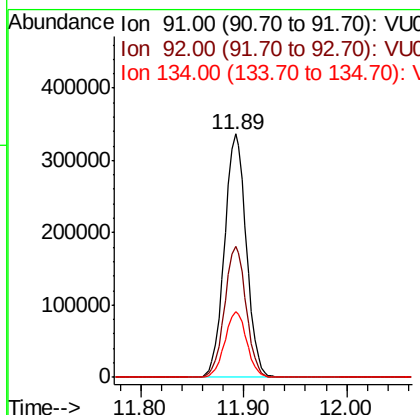
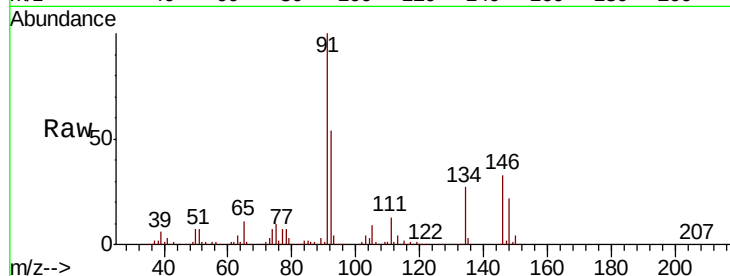
#89
n-Butylbenzene
Concen: 50.107 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	27.1	13.6	40.7

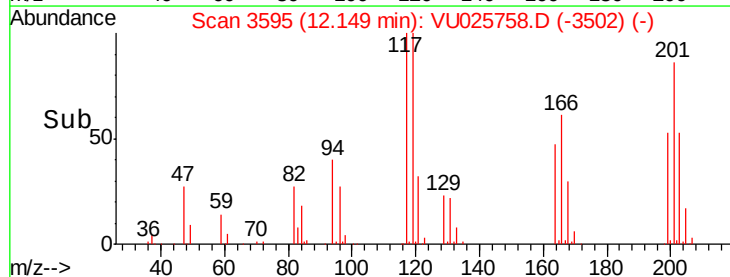
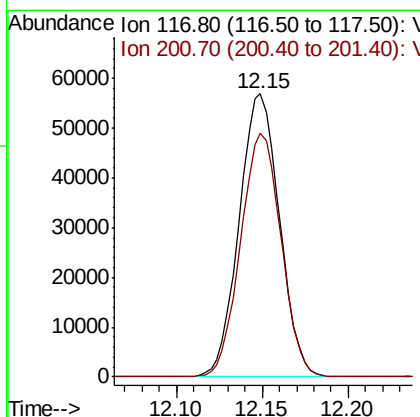
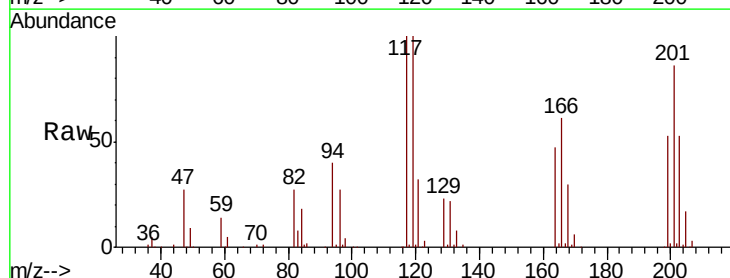
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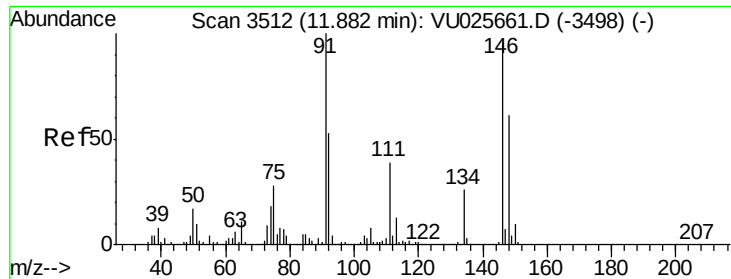
MMDadoda
8/2/2018 9:41:10 AM



#90
Hexachloroethane
Concen: 48.534 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	42.5	127.6





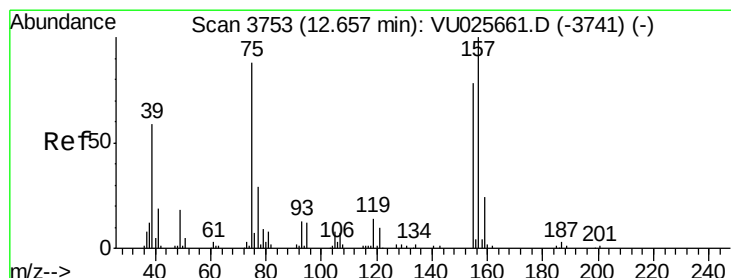
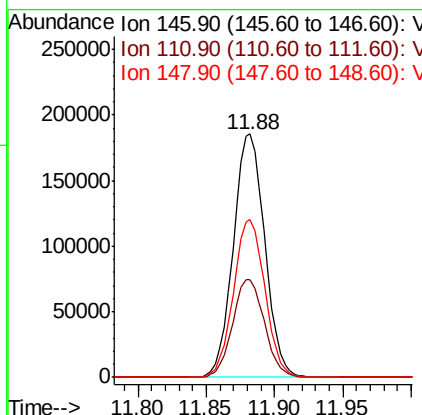
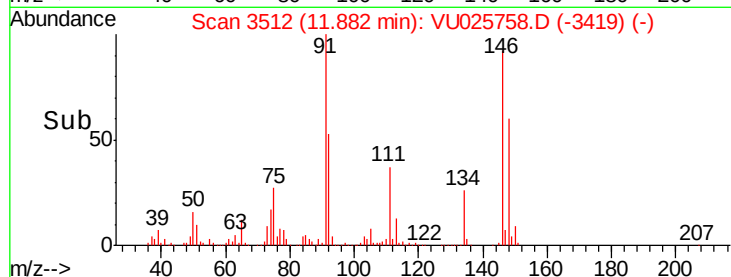
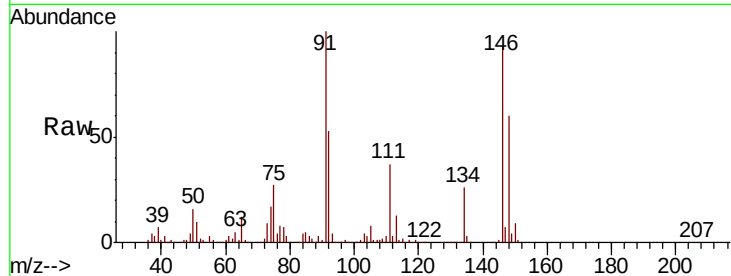
#91
 1,2-Dichlorobenzene
 Concen: 50.999 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	64.7	31.5	94.5

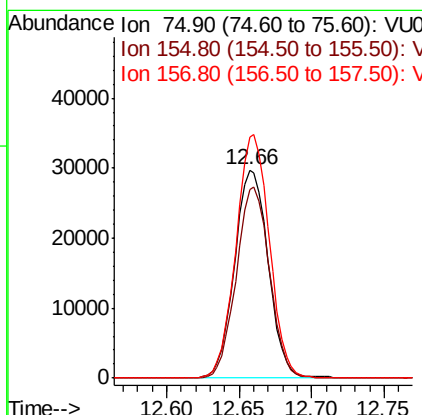
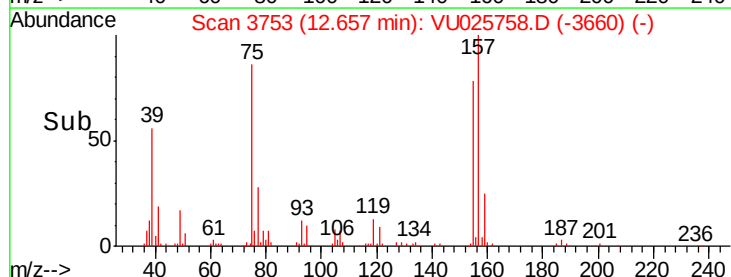
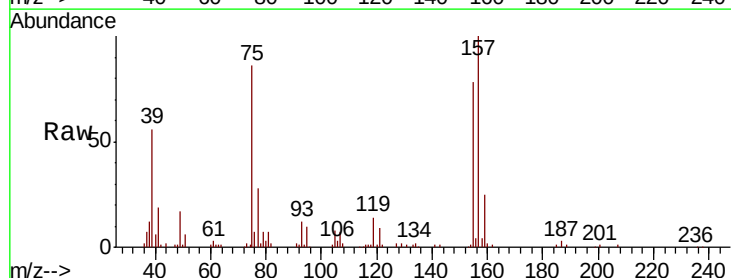
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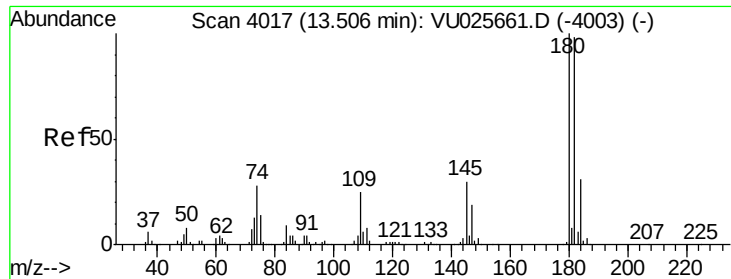
MMDadoda
 8/2/2018 9:41:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.596 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	44.5	133.3
157	115.7	57.0	170.8





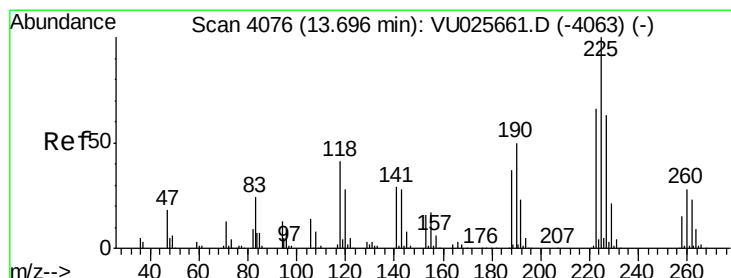
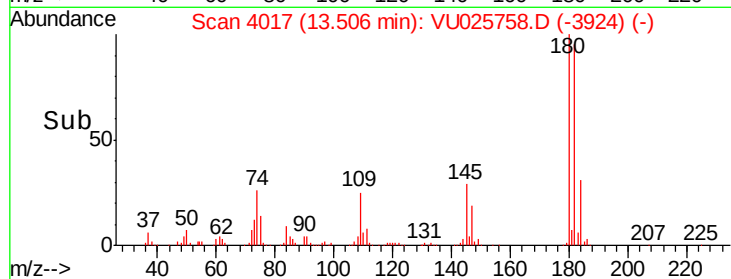
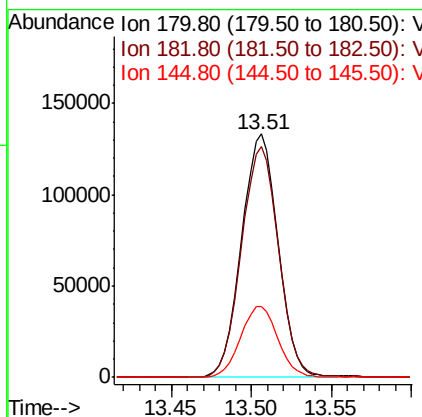
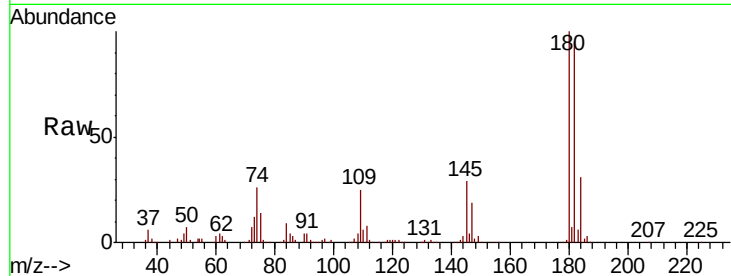
#93
 1,2,4-Trichlorobenzene
 Concen: 52.871 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	207898		
182	96.6	47.3	141.9	
145	29.7	14.9	44.7	

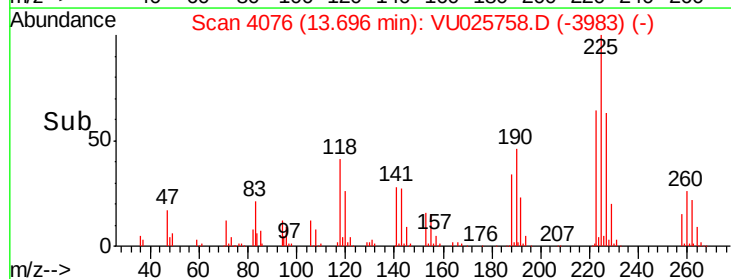
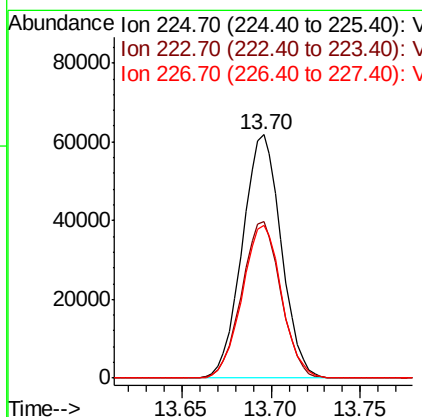
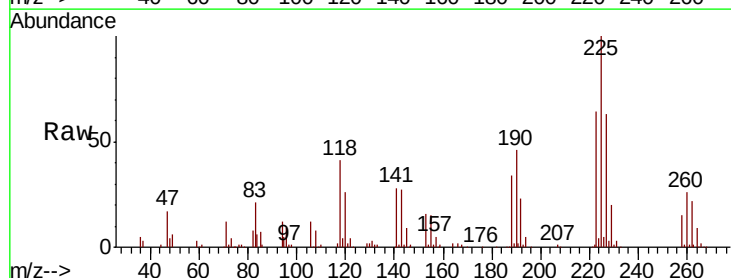
Manual Integrations
 APPROVED

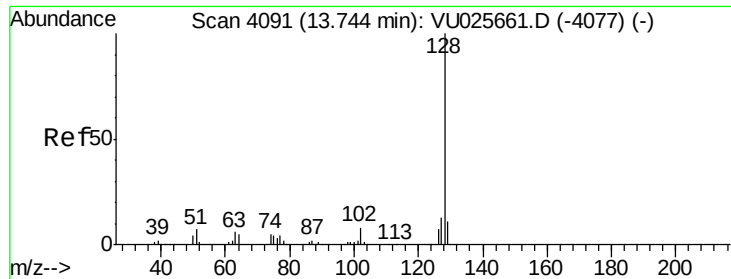
MMDadoda
 8/2/2018 9:41:10 AM



#94
 Hexachlorobutadiene
 Concen: 45.304 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025758.D
 Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93904		
223	64.5	31.9	95.7	
227	63.6	32.3	96.9	





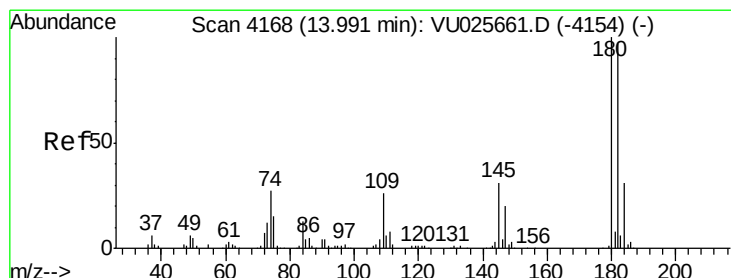
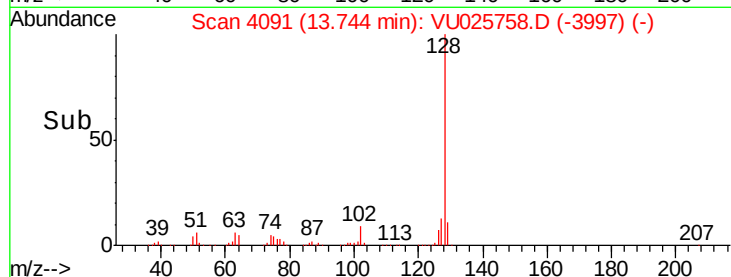
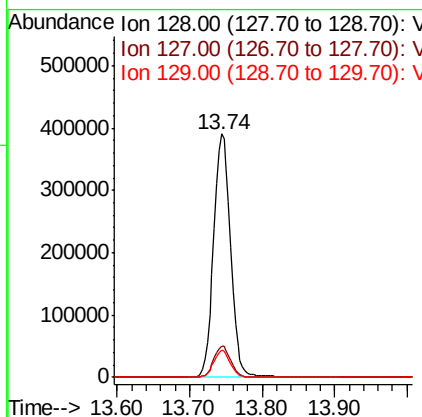
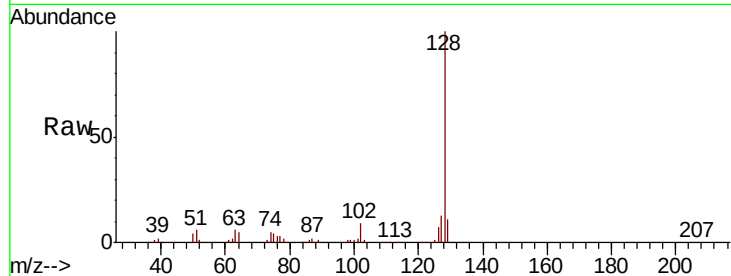
#95
Naphthalene
Concen: 50.213 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:41:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.936 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025758.D
Acq: 31 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	31.7	15.6	46.8

