

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025784.D
 Acq On : 01 Aug 2018 18:16
 Operator : MD/SY
 Sample : J4262-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MS

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:45:11 AM

Quant Time: Aug 02 05:12:30 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	188893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	289620	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175232	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	145683	49.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.00%	
35) Dibromofluoromethane	4.89	113	121365	48.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.36%	
50) Toluene-d8	7.57	98	429046	48.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	10.31	95	169153	49.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	136370	47.766	ug/l	99
3) Chloromethane	1.33	50	115001	42.144	ug/l	99
4) Vinyl Chloride	1.40	62	118229	46.040	ug/l	98
5) Bromomethane	1.62	94	38690	30.847	ug/l	95
6) Chloroethane	1.70	64	72166	48.060	ug/l	97
7) Trichlorofluoromethane	1.88	101	175652	47.309	ug/l	98
8) Diethyl Ether	2.10	74	62727	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	103489	48.165	ug/l	98
10) Methyl Iodide	2.41	142	59035	32.989	ug/l	100
11) Tert butyl alcohol	2.83	59	173822	269.755	ug/l	99
12) 1,1-Dichloroethene	2.28	96	97801	48.221	ug/l	96
13) Acrolein	2.19	56	30066	127.846	ug/l	99
14) Allyl chloride	2.59	41	164895	45.241	ug/l	98
15) Acrylonitrile	2.94	53	330713	257.056	ug/l	100
16) Acetone	2.32	43	321823	224.281	ug/l	97
17) Carbon Disulfide	2.48	76	306716	46.728	ug/l	100
18) Methyl Acetate	2.62	43	200639	58.095	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	373607	50.833	ug/l	98
20) Methylene Chloride	2.70	84	116343	45.750	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	110197	47.002	ug/l	99
22) Diisopropyl ether	3.57	45	352535	49.084	ug/l	96
23) Vinyl Acetate	3.53	43	1450349	231.712	ug/l	99
24) 1,1-Dichloroethane	3.45	63	209675	48.632	ug/l	99
25) 2-Butanone	4.27	43	487212	249.429	ug/l	99
26) 2,2-Dichloropropane	4.23	77	179479	45.800	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	128779	48.719	ug/l	98
28) Bromochloromethane	4.55	49	95599	49.592	ug/l	96
29) Tetrahydrofuran	4.64	42	300875	257.103	ug/l	100
30) Chloroform	4.68	83	216681	47.613	ug/l	100
31) Cyclohexane	5.00	56	175543	46.718	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	199886	48.785	ug/l	98
36) 1,1-Dichloropropene	5.14	75	161142	47.609	ug/l	99
37) Ethyl Acetate	4.38	43	165604	47.186	ug/l	98
38) Carbon Tetrachloride	5.14	117	180411	47.060	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	171944	44.337	ug/l	99
40) Benzene	5.39	78	493808	49.912	ug/l	98
41) Methacrylonitrile	4.54	41	97755	50.149	ug/l	98
42) 1,2-Dichloroethane	5.41	62	177416	46.571	ug/l	99
43) Isopropyl Acetate	5.55	43	277847	47.909	ug/l	99
44) Trichloroethene	6.19	130	129122	46.864	ug/l	100
45) 1,2-Dichloropropane	6.44	63	120539	46.716	ug/l	99
46) Dibromomethane	6.56	93	87949	47.041	ug/l	98
47) Bromodichloromethane	6.76	83	169187	47.440	ug/l	99
48) Methyl methacrylate	6.63	41	144684	50.902	ug/l	97
49) 1,4-Dioxane	6.62	88	72036	1041.444	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	927831	255.541	ug/l	100
52) Toluene	7.64	92	297705	48.435	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	193910	48.425	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	198940	48.364	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	121231	47.461	ug/l	99
56) Ethyl methacrylate	8.02	69	187585	51.399	ug/l	96
57) 1,3-Dichloropropane	8.25	76	205545	47.850	ug/l	100
59) 2-Hexanone	8.36	43	729068	256.160	ug/l	97
60) Dibromochloromethane	8.48	129	145152	48.188	ug/l	100
61) 1,2-Dibromoethane	8.59	107	136779	48.149	ug/l	100
64) Tetrachloroethene	8.23	164	111909	45.749	ug/l	98
65) Chlorobenzene	9.12	112	343847	47.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	128510	49.579	ug/l	98
67) Ethyl Benzene	9.25	91	581725	49.013	ug/l	100
68) m/p-Xylenes	9.38	106	451036	98.984	ug/l	99
69) o-Xylene	9.78	106	223484	50.183	ug/l	100
70) Stvrene	9.80	104	361402	50.241	ug/l	98
71) Bromoform	9.96	173	115850	51.545	ug/l #	99
73) Isopropylbenzene	10.17	105	592642	49.552	ug/l	100
74) N-amyl acetate	10.01	43	245847	50.352	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	201252	48.660	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	179709m	46.546	ug/l	
77) Bromobenzene	10.45	156	160914	48.778	ug/l	98
78) n-propylbenzene	10.59	91	680264	48.732	ug/l	99
79) 2-Chlorotoluene	10.66	91	398909	48.789	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	500188	49.244	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	50641m	32.889	ug/l	
82) 4-Chlorotoluene	10.78	91	479990	49.802	ug/l	99
83) tert-Butylbenzene	11.10	119	489673	48.521	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	524258	50.934	ug/l	99
85) sec-Butylbenzene	11.33	105	577267	46.851	ug/l	100
86) p-Isopropyltoluene	11.48	119	525953	47.671	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	294991	48.175	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	301899	47.298	ug/l	99
89) n-Butylbenzene	11.89	91	458502	45.034	ug/l	100
90) Hexachloroethane	12.15	117	88025	44.874	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	294229	49.022	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51543	52.567	ug/l	96
93) 1,2,4-Trichlorobenzene	13.51	180	204762	50.548	ug/l	99

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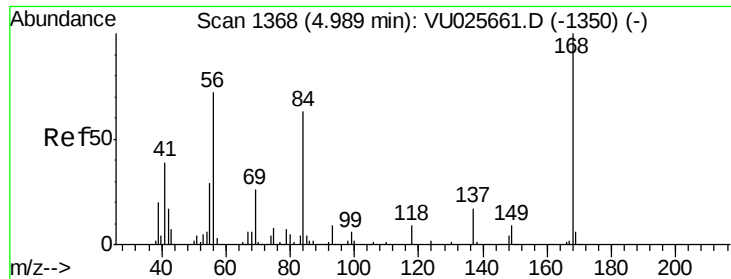
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	80807	37.842	ug/l	97
95) Naphthalene	13.74	128	1165154	88.557	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	207345	51.311	ug/l	100

(#) = 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: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

GW-03MS

Tot Ion:168 Resp: 188893

Ion Ratio Lower Upper

168 100

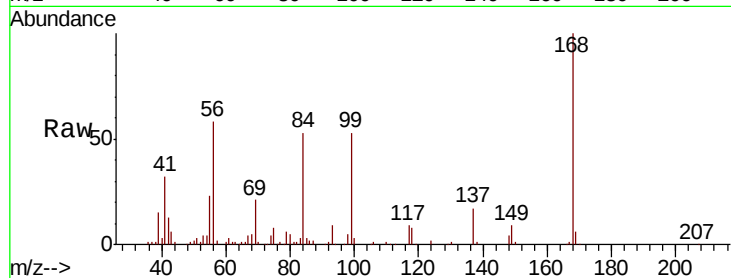
99 53.0 42.8 64.2

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) (-)

100000

80000

60000

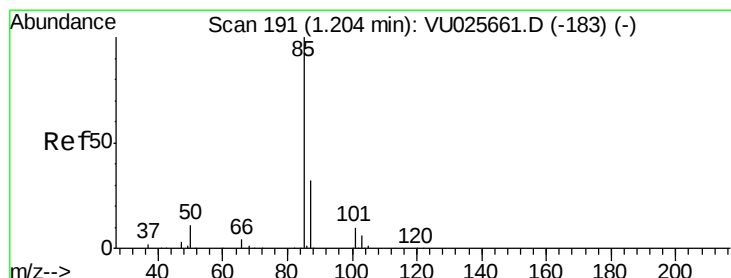
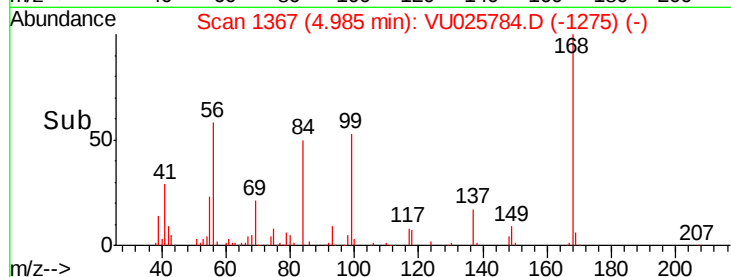
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.766 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025784.D

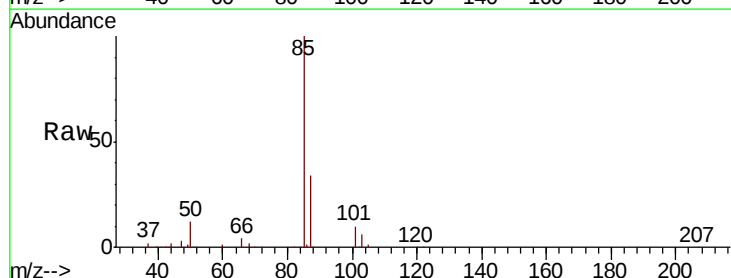
Acq: 01 Aug 2018 18:16

Tgt Ion: 85 Resp: 136370

Ion Ratio Lower Upper

85 100

87 33.7 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

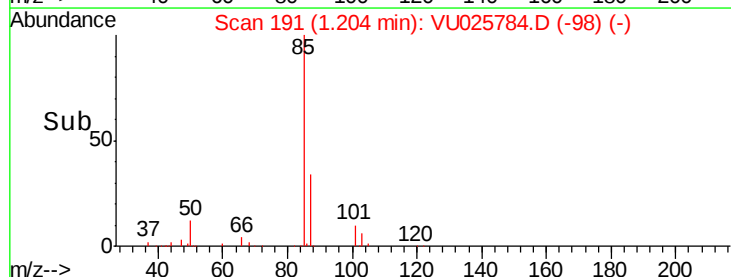
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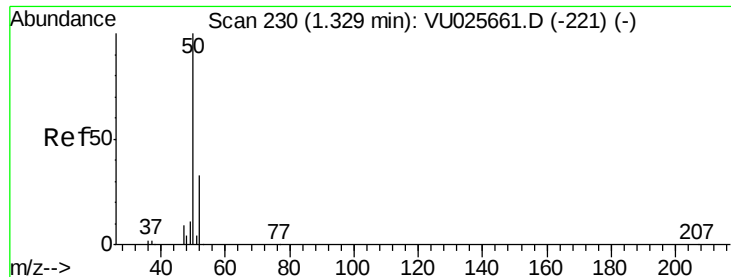
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1.15 1.20 1.25 1.30

Time-->





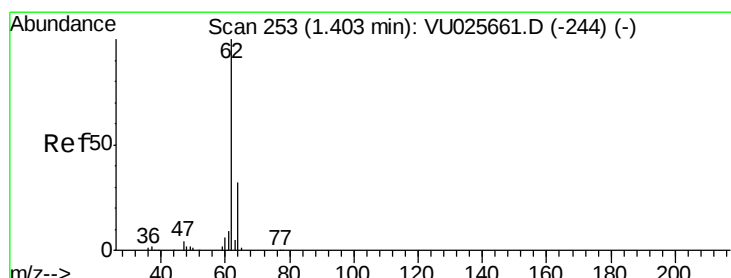
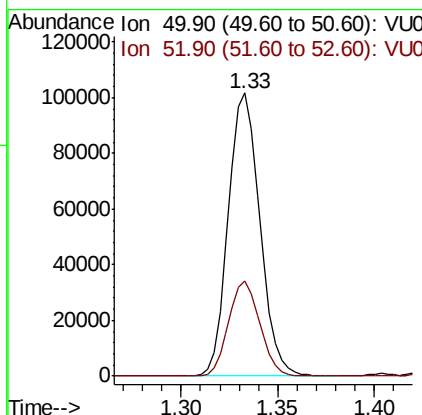
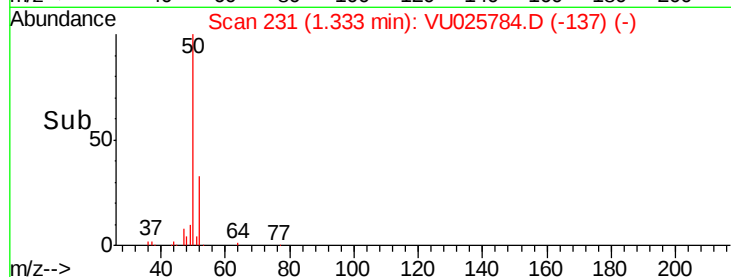
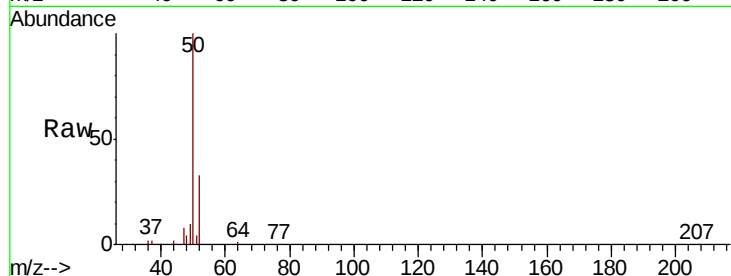
#3
Chloromethane
Concen: 42.144 ug/l
RT: 1.33 min Scan# 231
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
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Tot Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.5	39.7

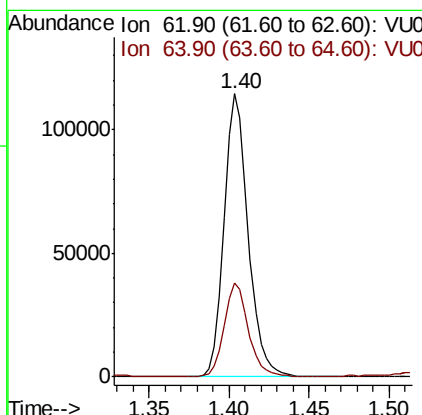
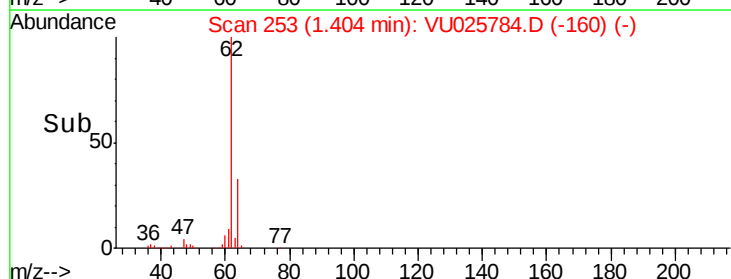
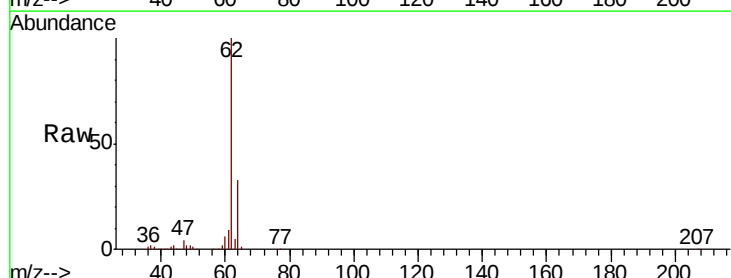
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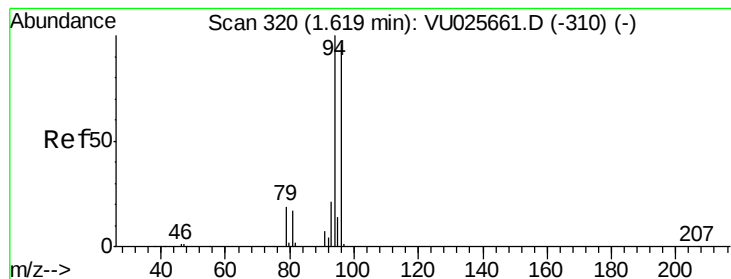
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#4
Vinyl Chloride
Concen: 46.040 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.8	25.4	38.0





#5

Bromomethane

Concen: 30.847 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

GW-03MS

Tot Ion: 94 Resp: 38690

Ion Ratio Lower Upper

94 100

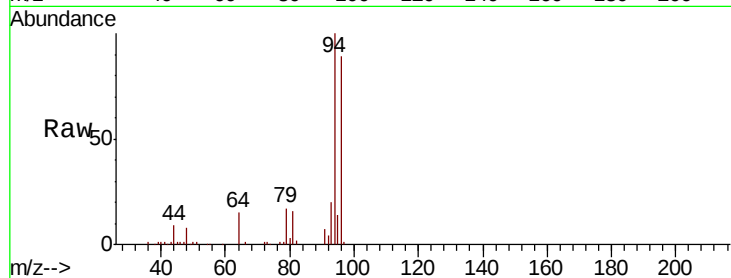
96 89.0 75.0 112.4

Manual Integrations

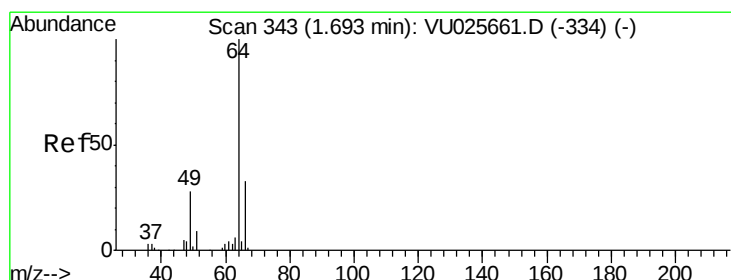
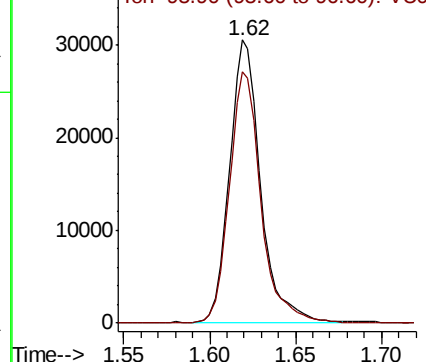
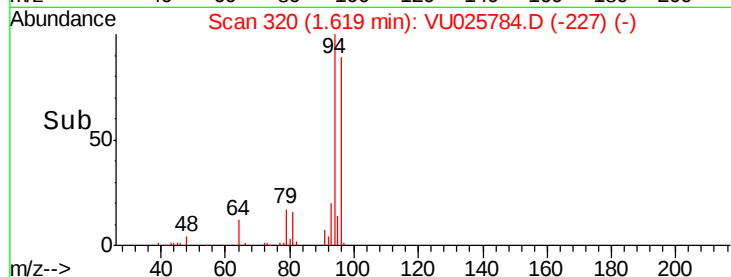
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Abundance Ion 93.90 (93.60 to 94.60): VU025784.D (-227) (-)



#6

Chloroethane

Concen: 48.060 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025784.D

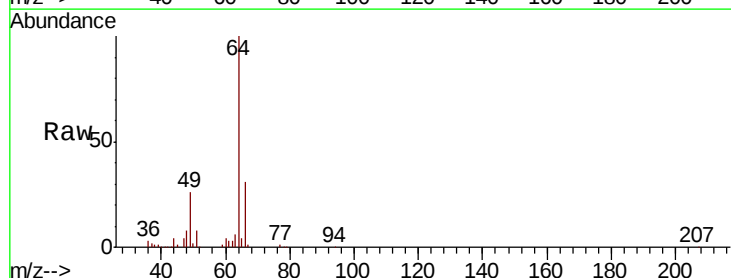
Acq: 01 Aug 2018 18:16

Tgt Ion: 64 Resp: 72166

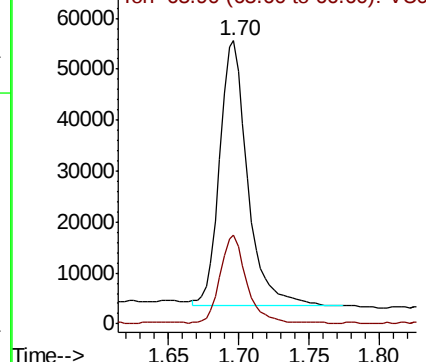
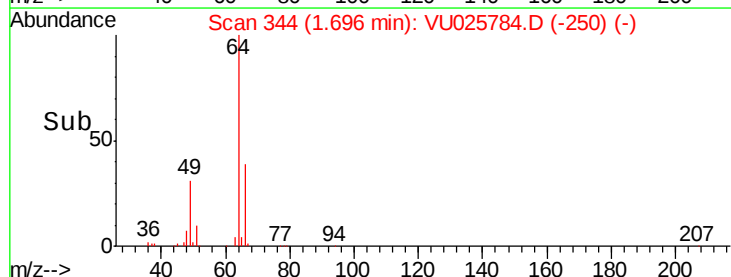
Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025784.D (-250) (-)





#7

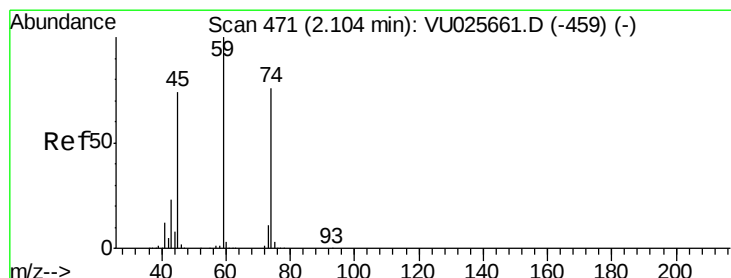
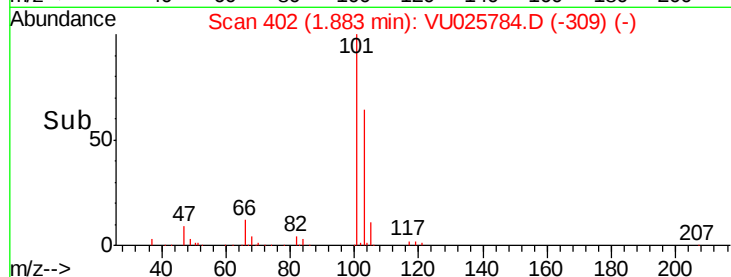
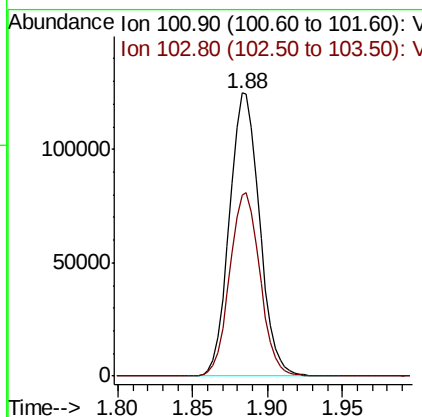
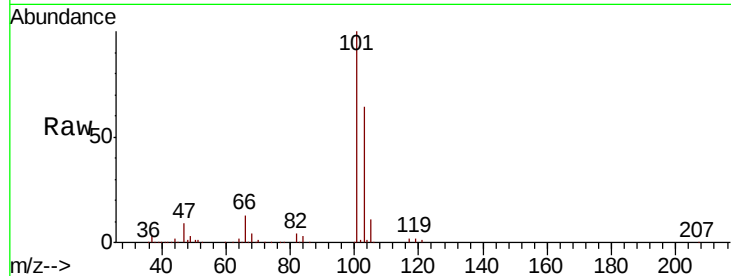
Trichlorofluoromethane
 Concen: 47.309 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampled :
 GW-03MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	175652		
103	64.0	52.2	78.2	

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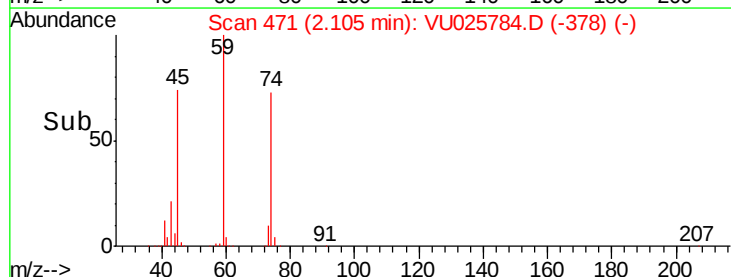
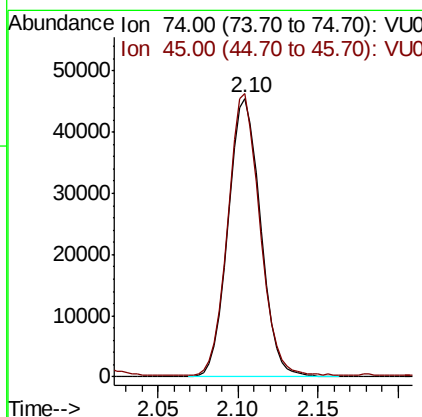
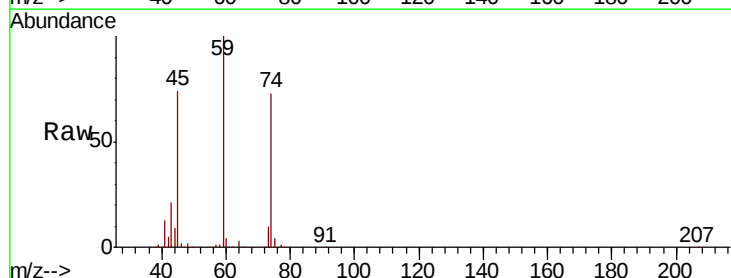
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 8/2/2018 9:45:11 AM

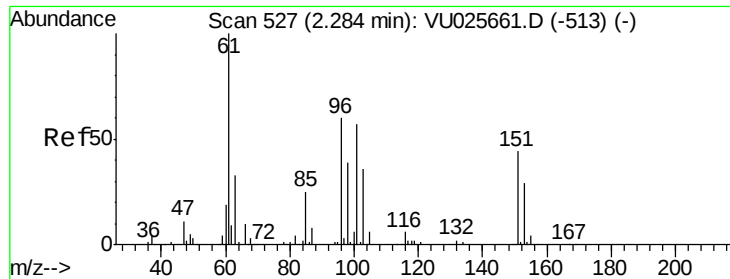


#8

Diethyl Ether
 Concen: 46.693 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62727		
45	99.5	48.3	144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.165 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

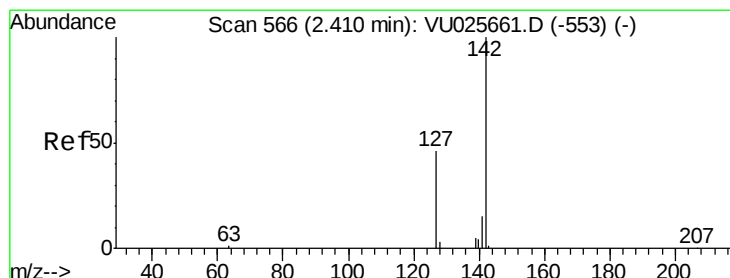
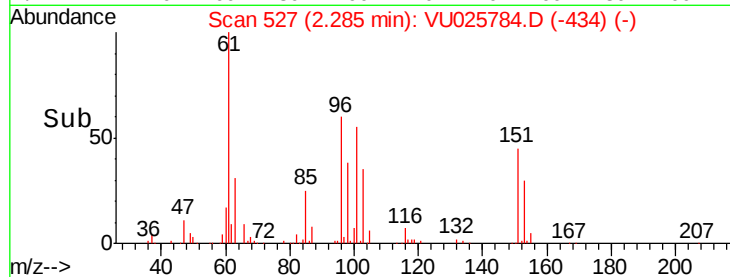
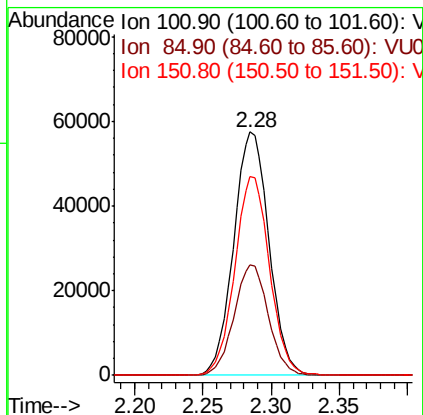
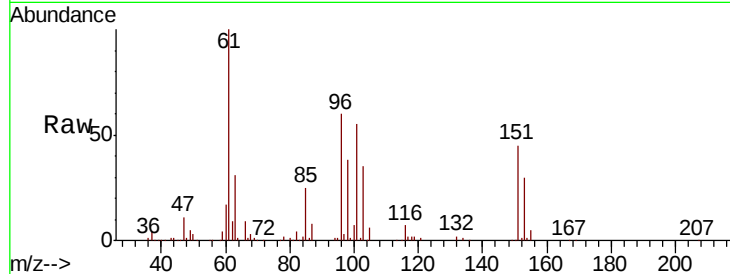
ClientSampleId :

GW-03MS

Tot Ion:	101	Resp:	103489
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.0	54.0
151	80.2	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 32.989 ug/l

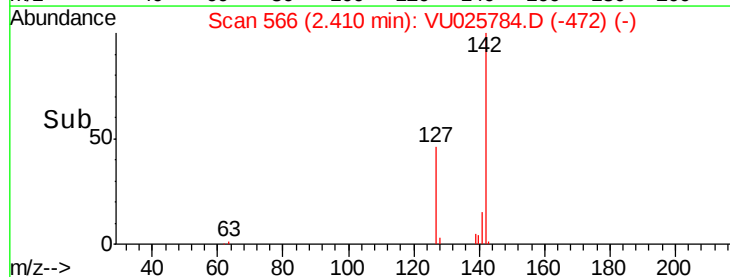
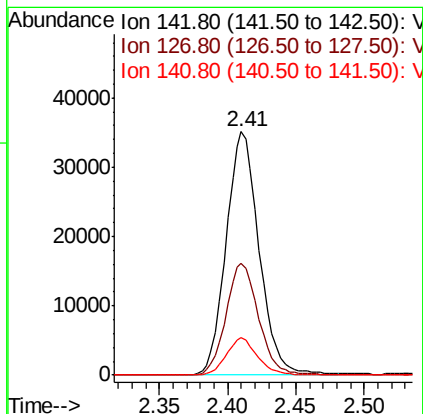
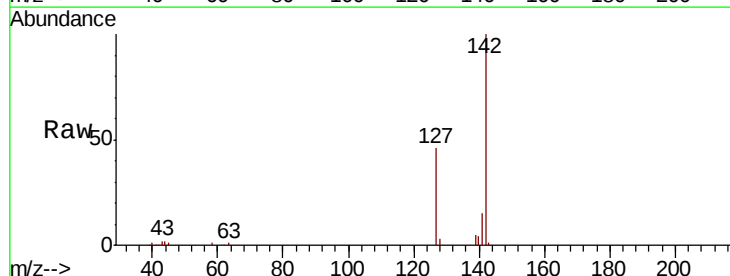
RT: 2.41 min Scan# 566

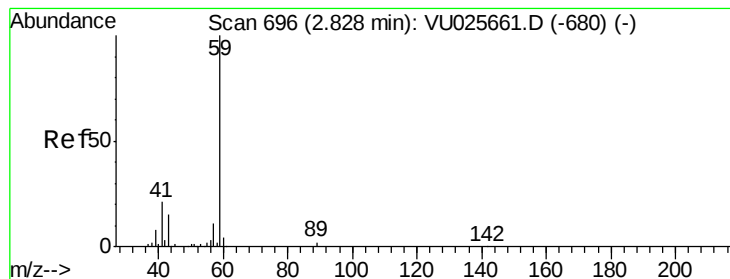
Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Tgt Ion:	142	Resp:	59035
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.5	54.7
141	14.4	11.4	17.2





#11

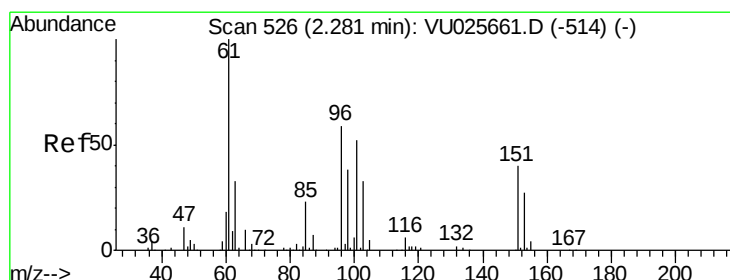
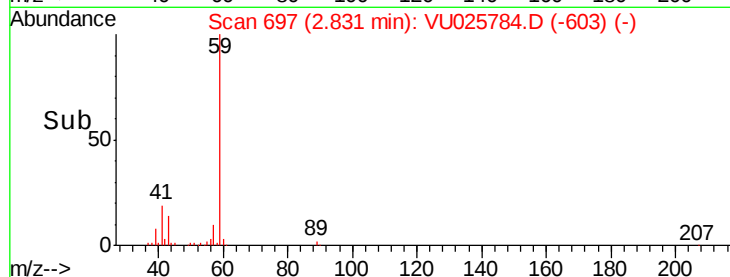
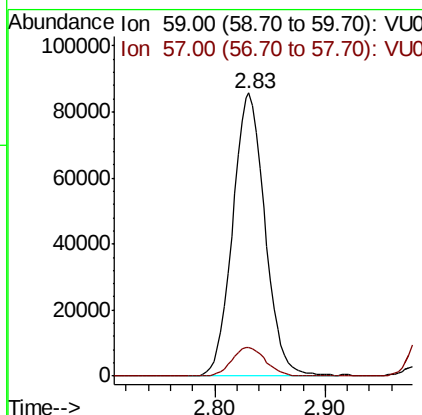
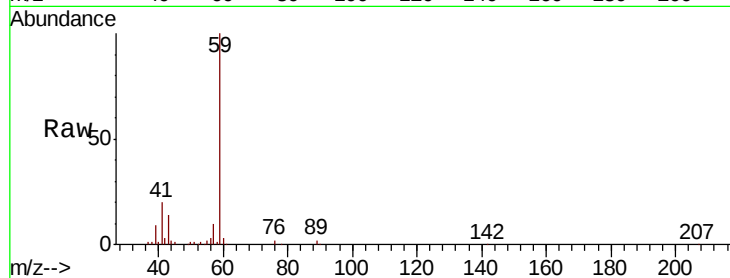
Tert butyl alcohol
 Concen: 269.755 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleID :
 GW-03MS

Tot Ion	59	Resp	173822
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.2

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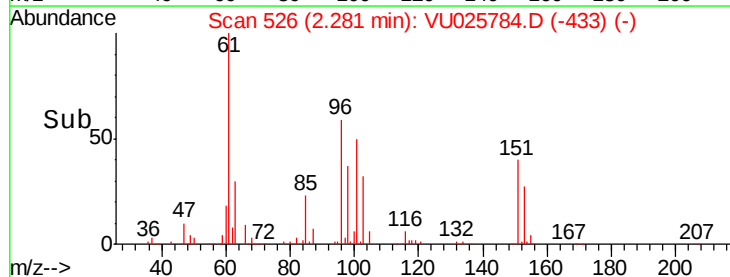
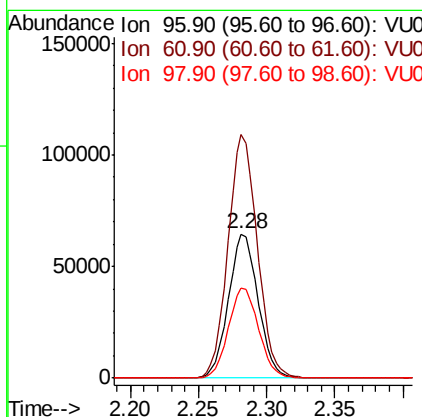
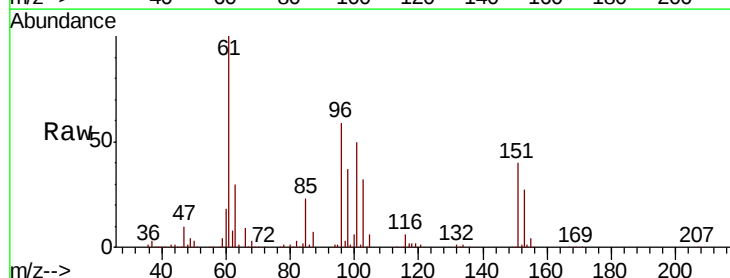
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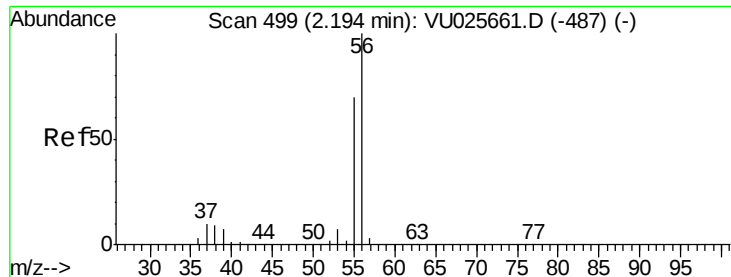


#12

1,1-Dichloroethene
 Concen: 48.221 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	96	Resp	97801
Ion Ratio	100	Lower	Upper
61	168.7	140.2	210.4
98	62.3	49.3	73.9





#13

Acrolein

Concen: 127.846 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

GW-03MS

Tot Ion: 56 Resp: 30066

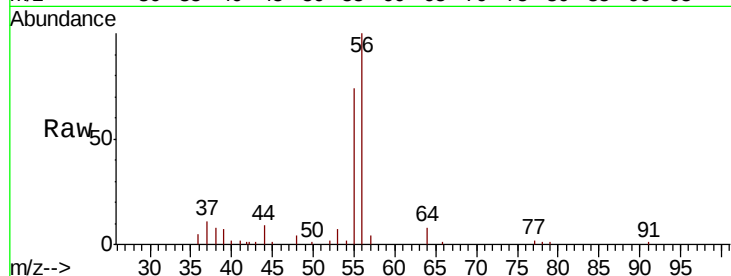
Ion Ratio Lower Upper

56 100

55 72.5 57.2 85.8

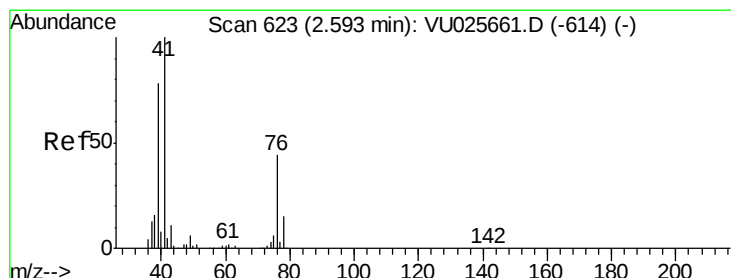
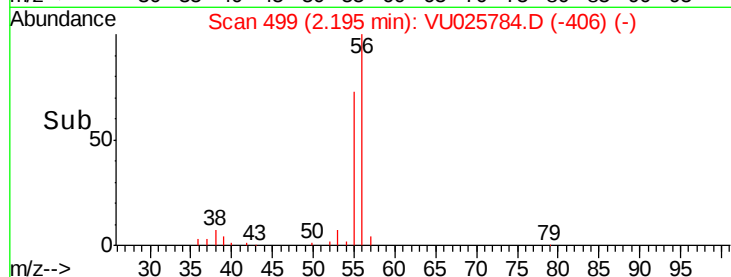
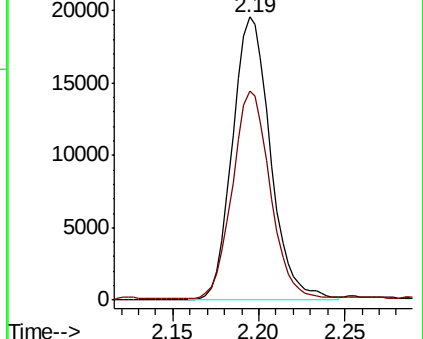
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Abundance Ion 56.00 (55.70 to 56.70): VU025661.D (-487) (-)

Ion 55.00 (54.70 to 55.70): VU025661.D (-487) (-)



#14

Allyl chloride

Concen: 45.241 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

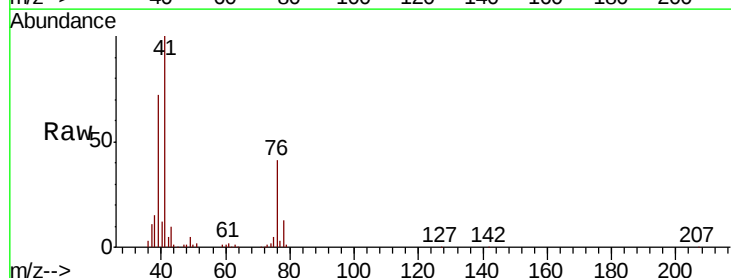
Tgt Ion: 41 Resp: 164895

Ion Ratio Lower Upper

41 100

39 74.0 60.6 91.0

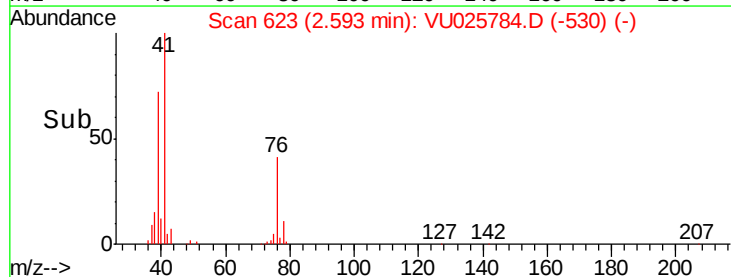
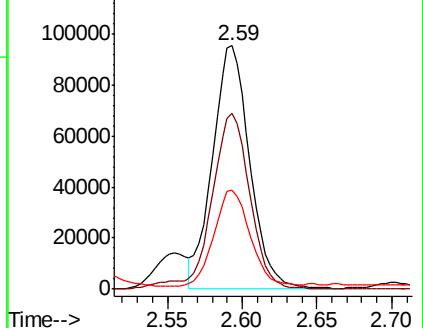
76 38.4 30.5 45.7

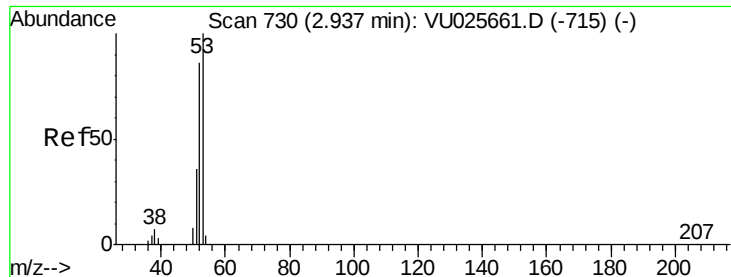


Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-614) (-)

Ion 39.00 (38.70 to 39.70): VU025661.D (-614) (-)

Ion 75.90 (75.60 to 76.60): VU025661.D (-614) (-)





#15

Acrylonitrile

Concen: 257.056 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

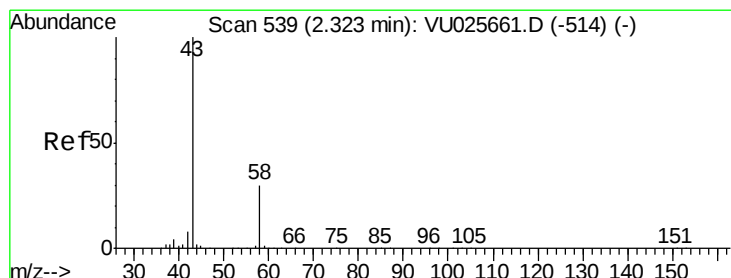
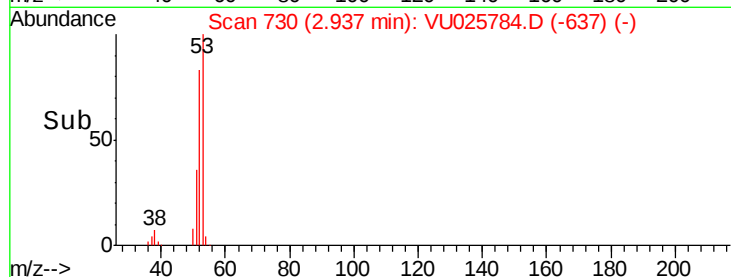
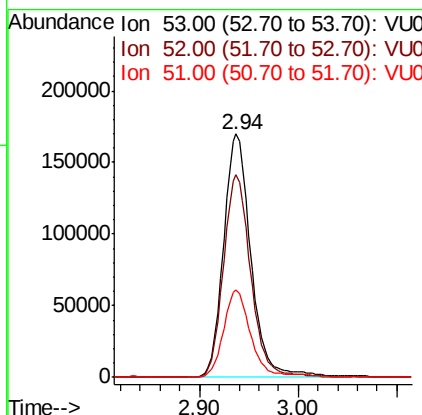
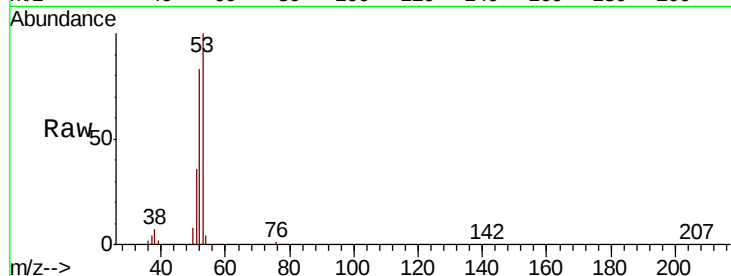
ClientSampleId :

GW-03MS

Tot Ion:	53	Resp:	330713
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	99.8
51	36.2	29.4	44.2

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#16

Acetone

Concen: 224.281 ug/l

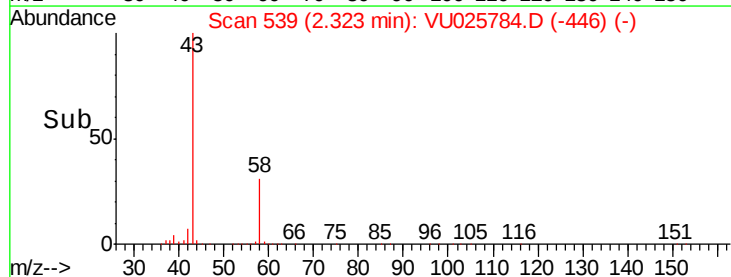
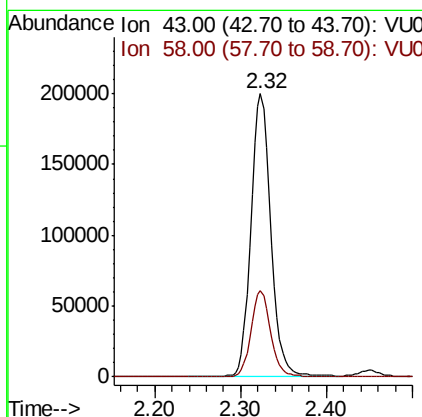
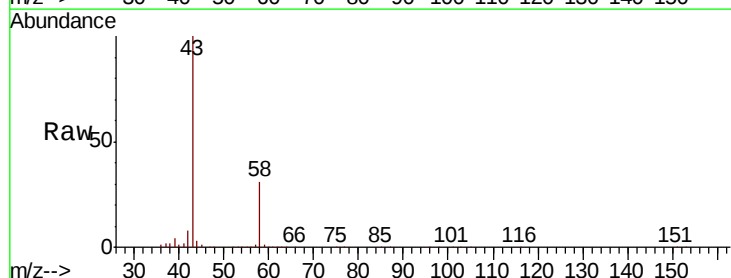
RT: 2.32 min Scan# 539

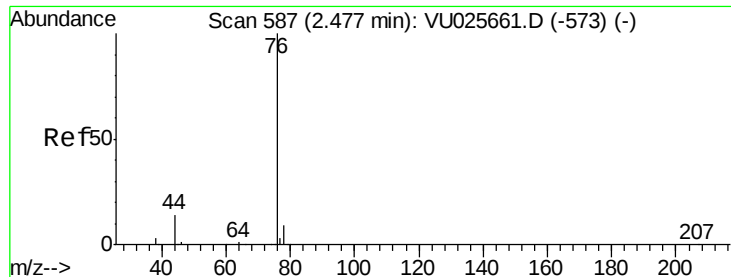
Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Tgt Ion:	43	Resp:	321823
Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.1	34.7





#17

Carbon Disulfide

Concen: 46.728 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

GW-03MS

Tot Ion: 76 Resp: 306716

Ion Ratio Lower Upper

76 100

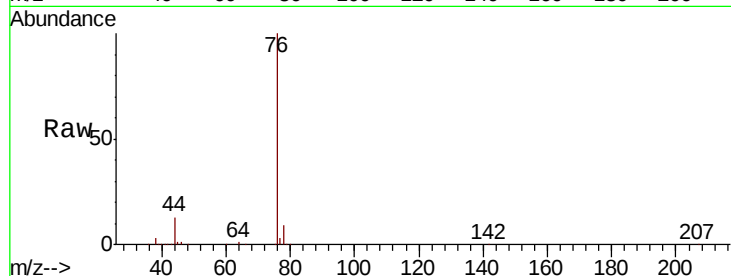
78 9.1 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VU025784.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025784.D (-494) (-)

2.48

200000

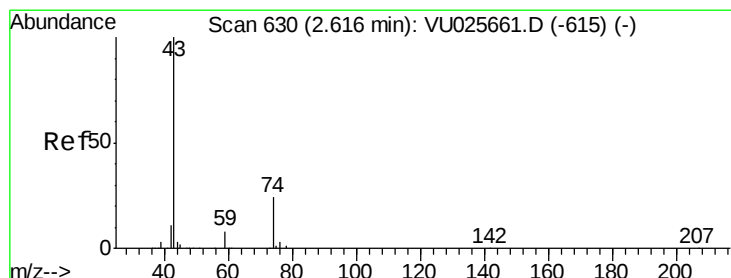
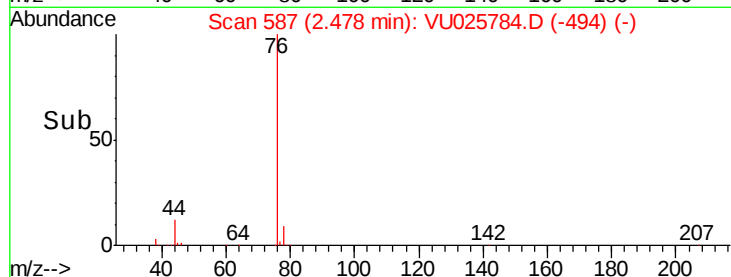
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 58.095 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025784.D

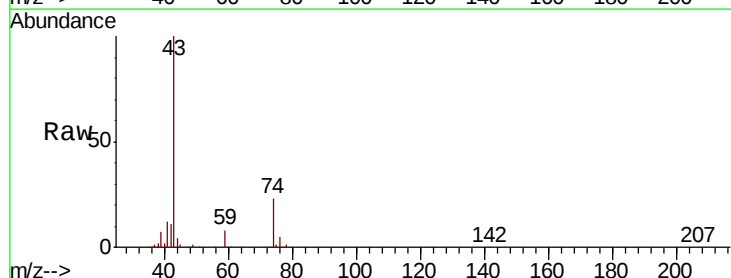
Acq: 01 Aug 2018 18:16

Tgt Ion: 43 Resp: 200639

Ion Ratio Lower Upper

43 100

74 23.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025784.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025784.D (-537) (-)

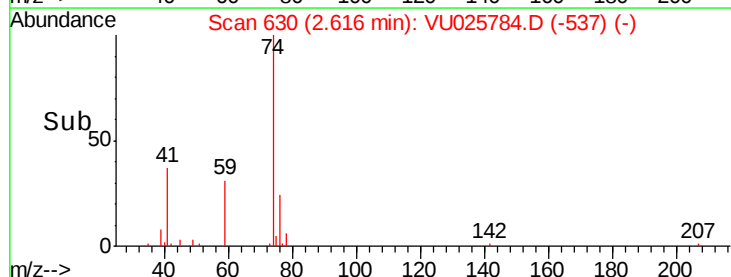
2.62

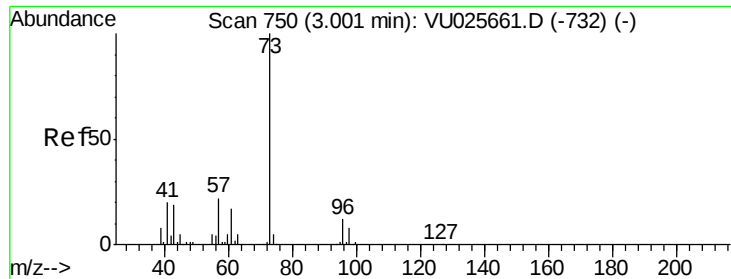
100000

50000

0

Time-->





#19

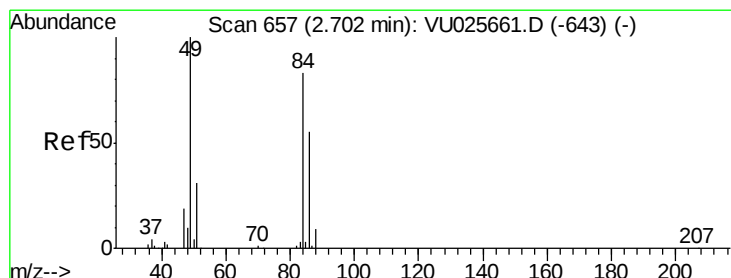
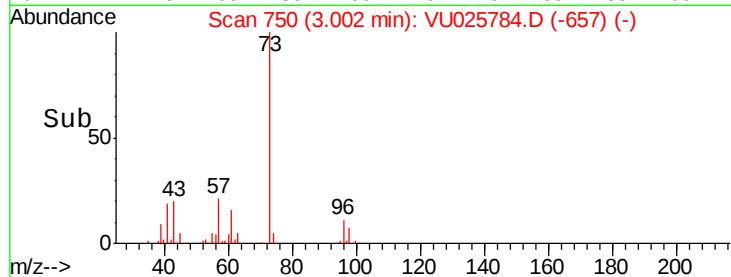
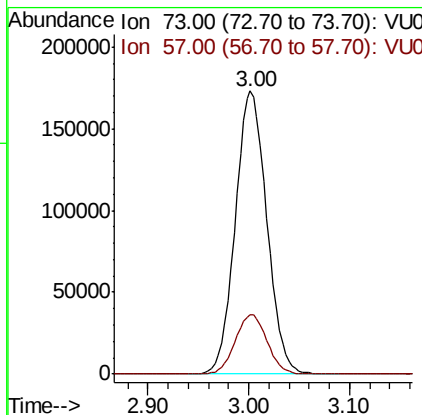
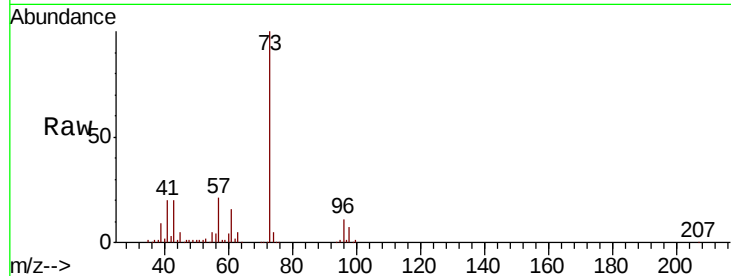
Methyl tert-butyl Ether
 Concen: 50.833 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MS

Tot Ion	73	Resp	373607
Ion Ratio	Lower	Upper	
73	100		
57	20.9	17.4	26.2

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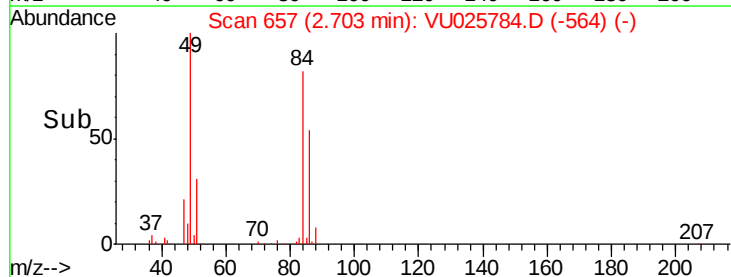
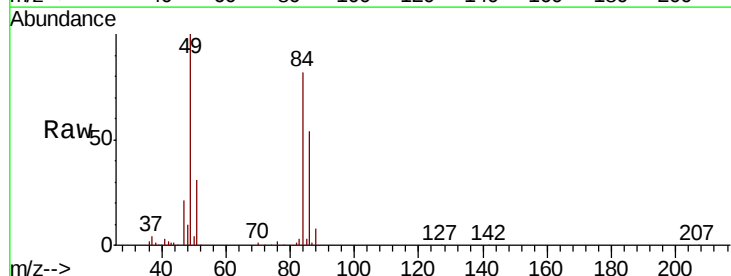
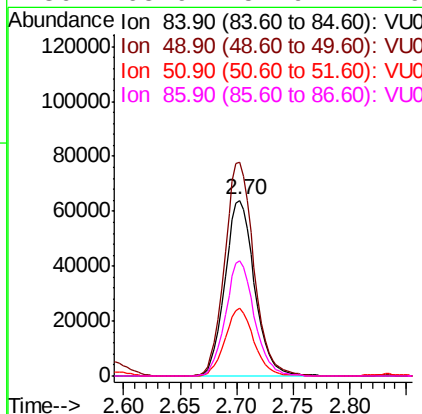
MMDadoda
 8/2/2018 9:45:11 AM

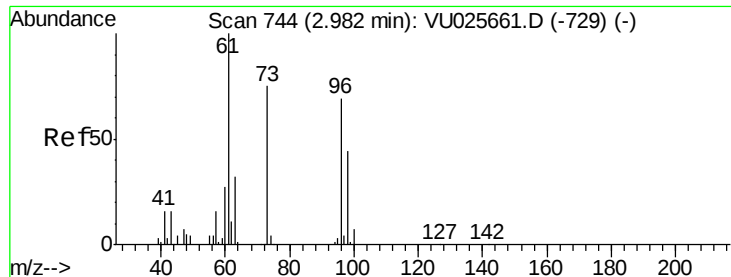


#20

Methylene Chloride
 Concen: 45.750 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	84	Resp	116343
Ion Ratio	Lower	Upper	
84	100		
49	121.6	101.8	152.6
51	38.3	30.8	46.2
86	65.9	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 47.002 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

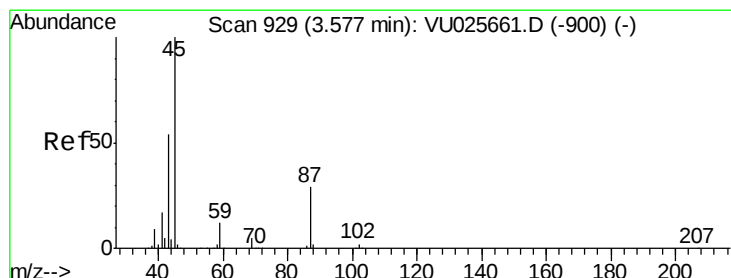
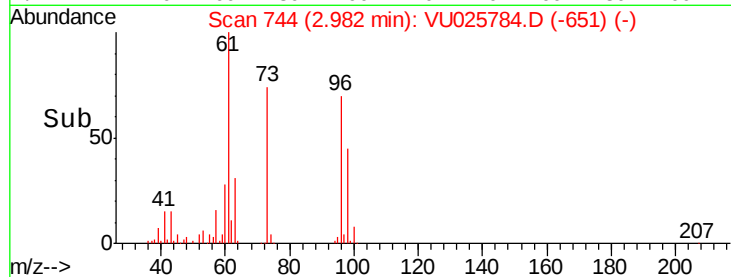
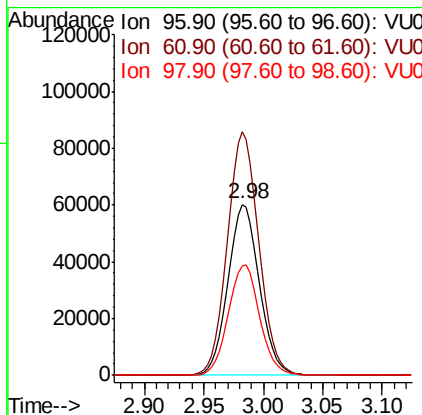
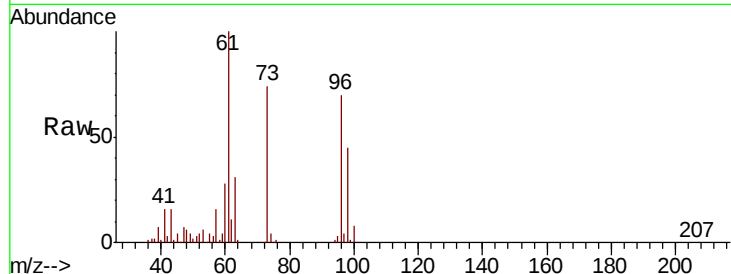
ClientSampled :

GW-03MS

Tot Ion:	96	Resp:	110197
Ion	Ratio	Lower	Upper
96	100		
61	142.4	114.5	171.7
98	64.1	50.5	75.7

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#22

Diisopropyl ether

Concen: 49.084 ug/l

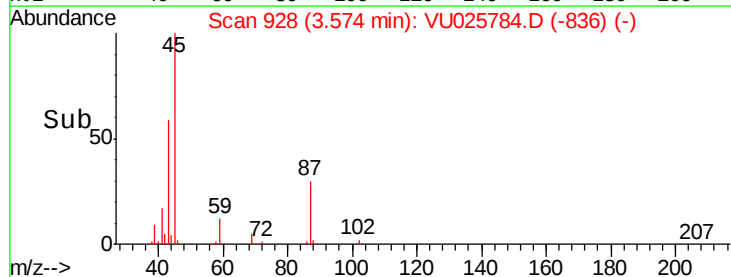
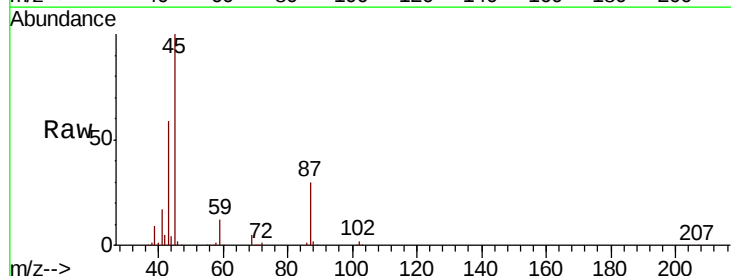
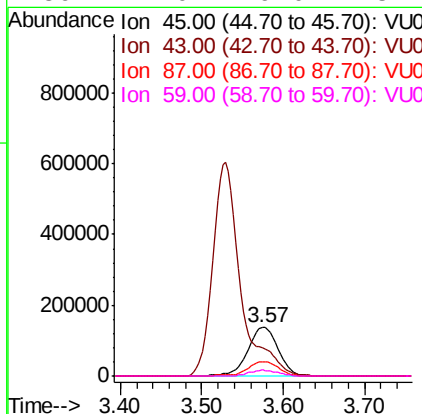
RT: 3.57 min Scan# 928

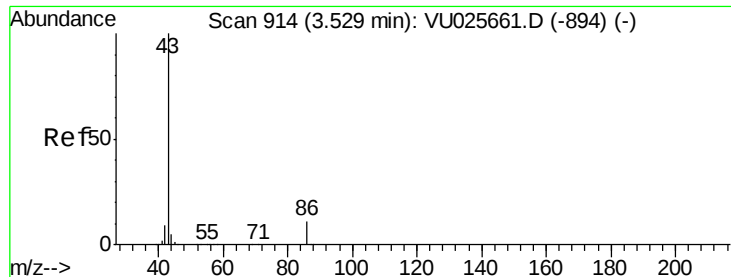
Delta R.T. -0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Tgt Ion:	45	Resp:	352535
Ion	Ratio	Lower	Upper
45	100		
43	58.2	50.9	76.3
87	29.8	23.8	35.8
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 231.712 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

GW-03MS

Tot Ion: 43 Resp: 1450349

Ion Ratio Lower Upper

43 100

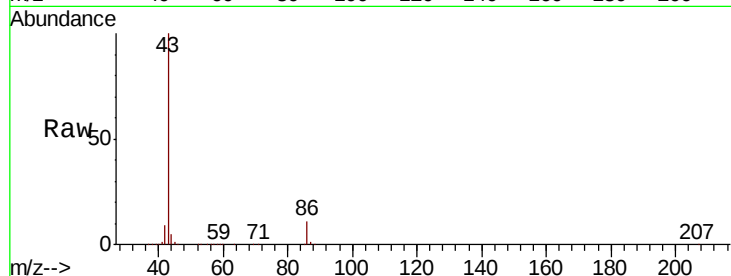
86 10.6 8.2 12.2

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

600000

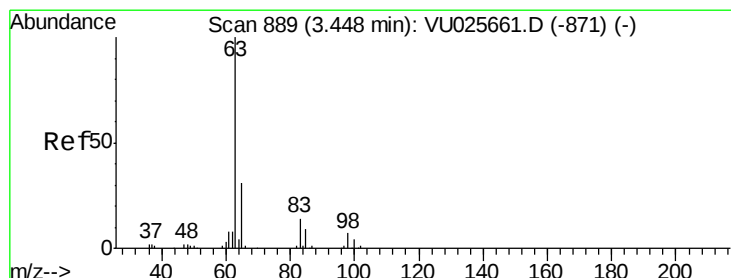
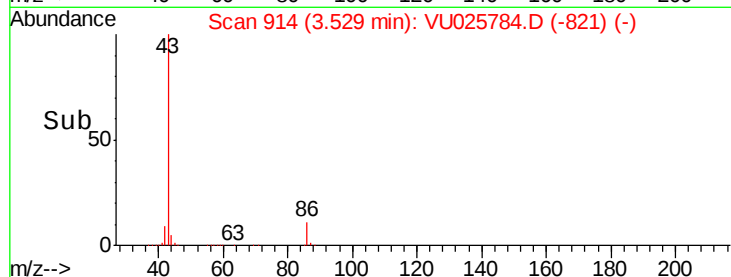
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 48.632 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

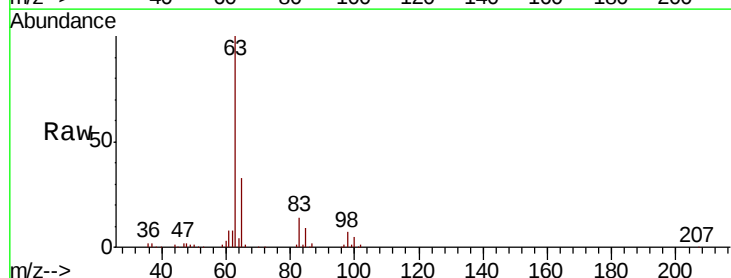
Tgt Ion: 63 Resp: 209675

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

120000

100000

80000

60000

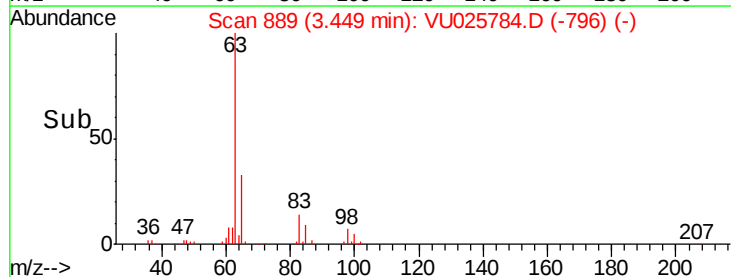
40000

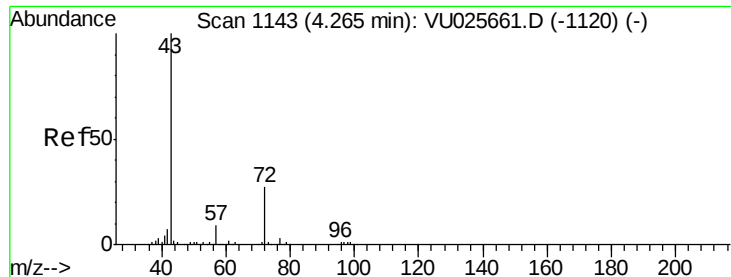
20000

0

3.40 3.50

Time-->





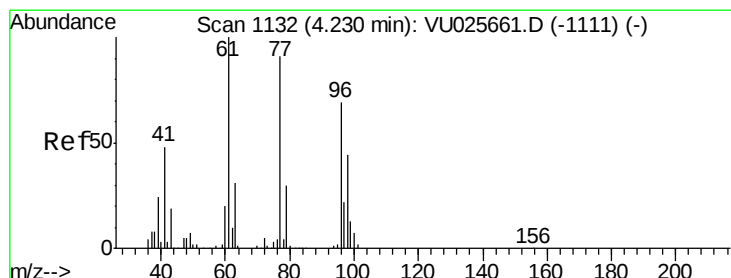
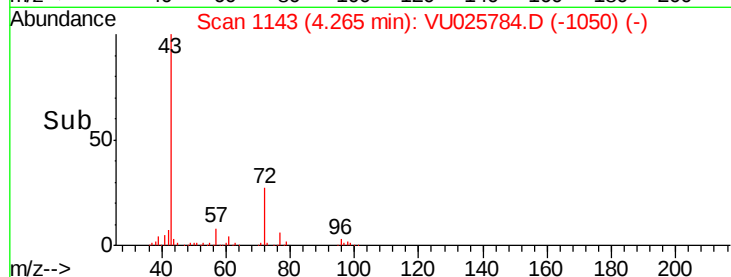
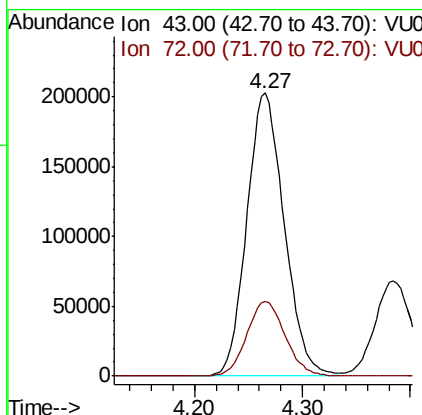
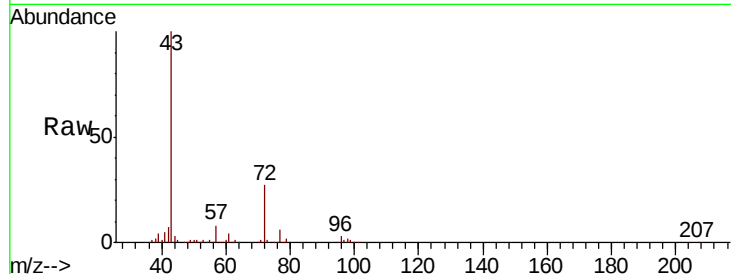
#25
2-Butanone
Concen: 249.429 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion: 43 Resp: 487212
Ion Ratio Lower Upper
43 100
72 26.6 21.0 31.4

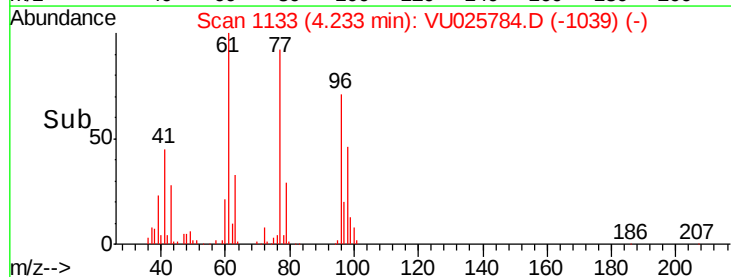
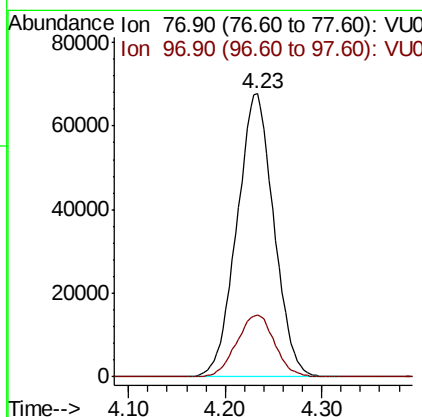
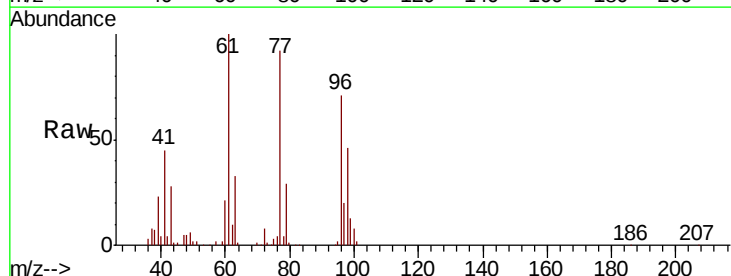
Manual Integrations
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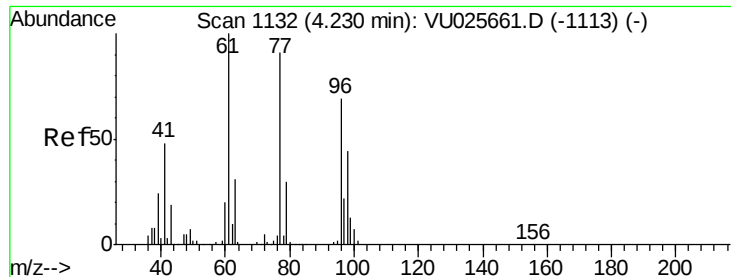
MMDadoda
8/2/2018 9:45:11 AM



#26
2,2-Dichloropropane
Concen: 45.800 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion: 77 Resp: 179479
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.5





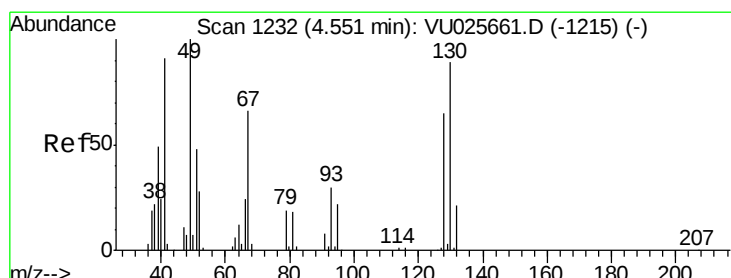
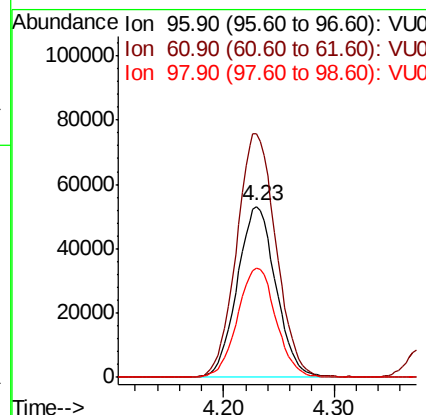
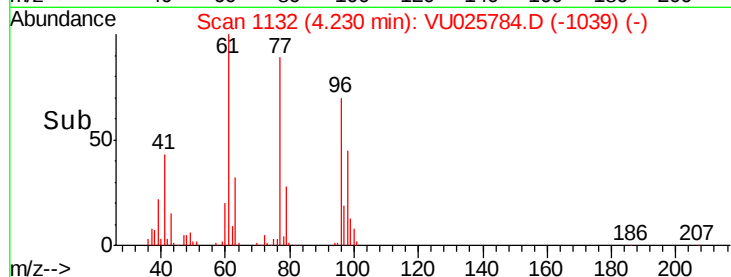
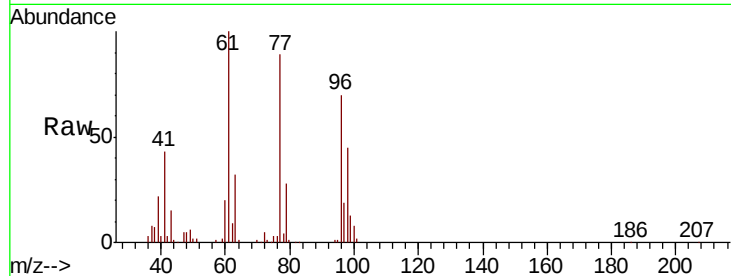
#27
 cis-1,2-Dichloroethene
 Concen: 48.719 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleID :
 GW-03MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	128779		
61	145.8		0.0	299.8
98	64.1		0.0	128.6

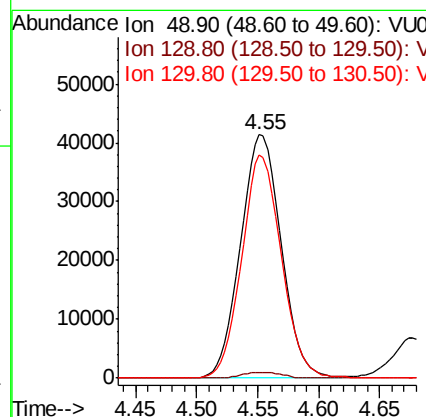
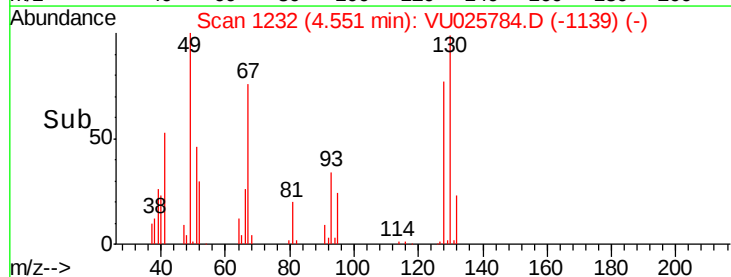
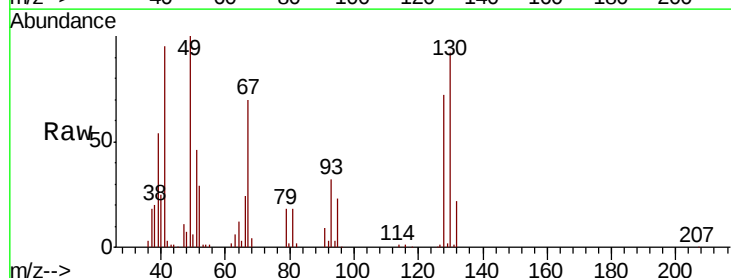
Manual Integrations
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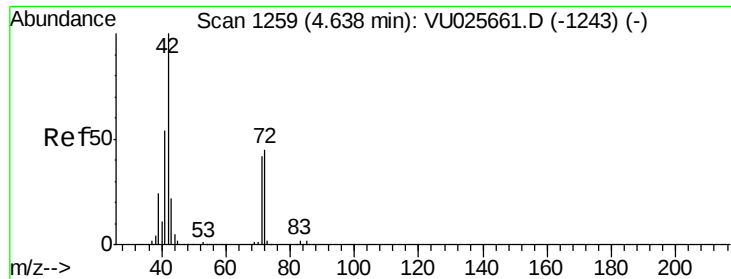
MMDadoda
 8/2/2018 9:45:11 AM



#28
 Bromochloromethane
 Concen: 49.592 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95599		
129	2.2		0.0	4.6
130	89.2		68.6	102.8





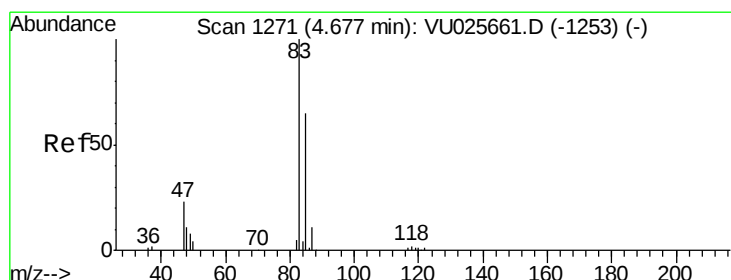
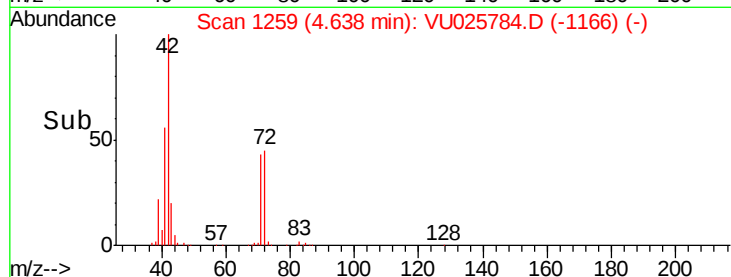
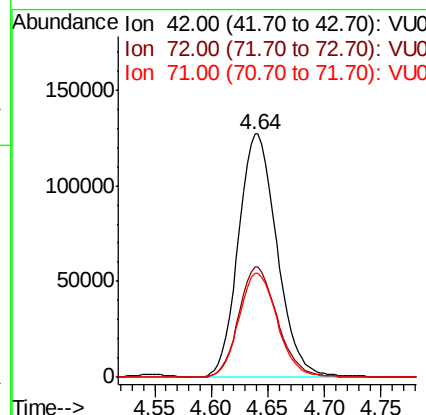
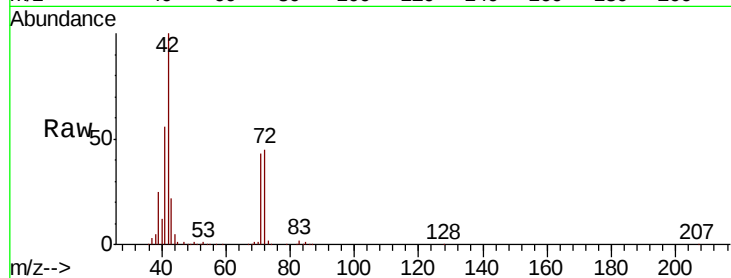
#29
Tetrahydrofuran
Concen: 257.103 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.7	55.1
71	42.8	33.9	50.9

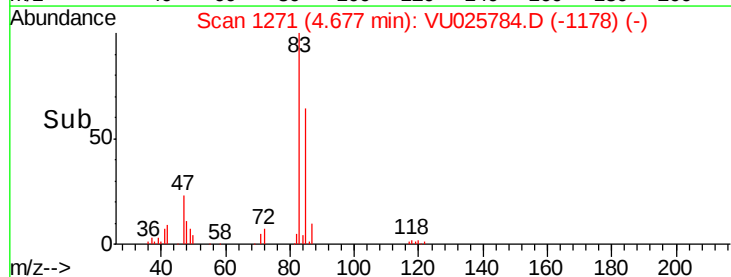
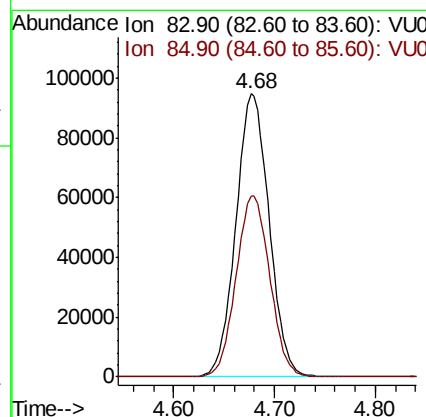
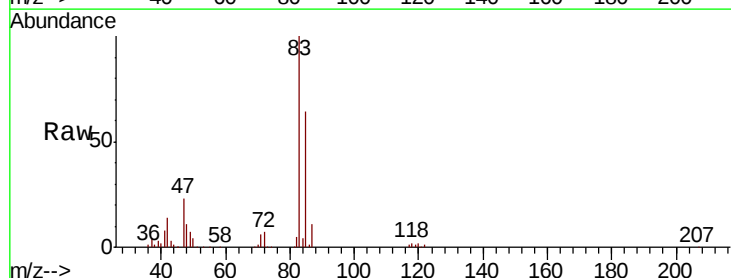
Manual Integrations
APPROVED

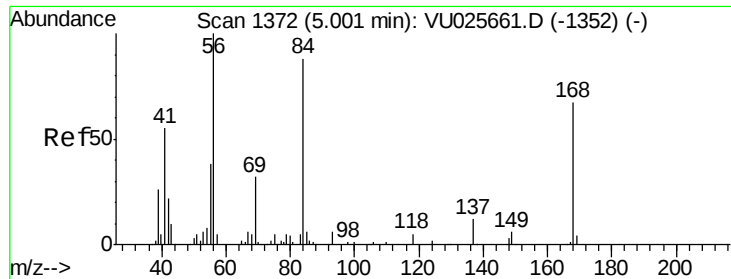
MMDadoda
8/2/2018 9:45:11 AM



#30
Chloroform
Concen: 47.613 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3





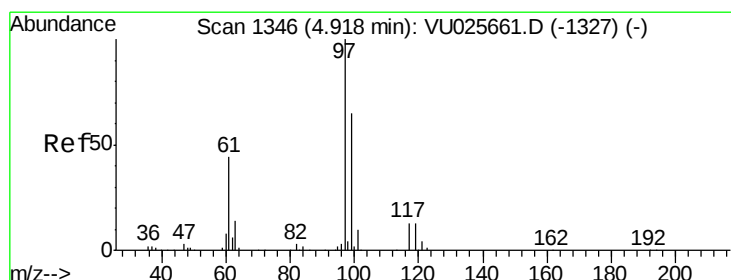
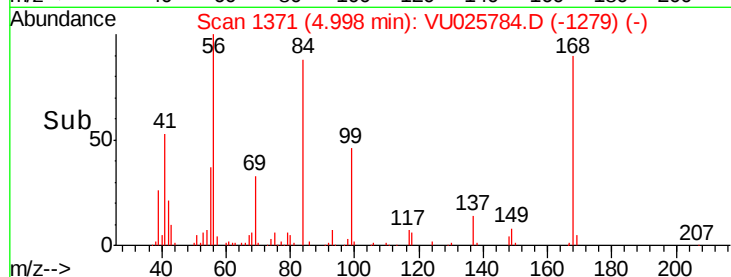
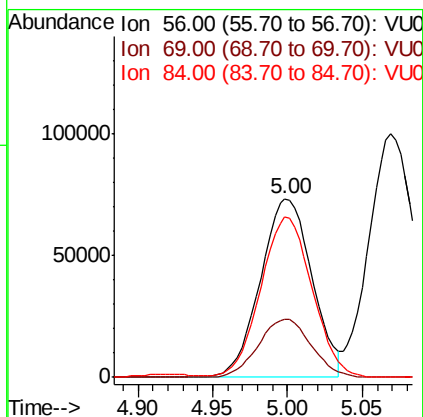
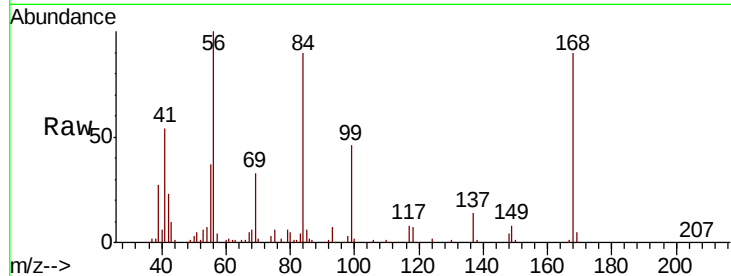
#31
Cyclohexane
Concen: 46.718 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.8	40.2
84	88.5	69.7	104.5

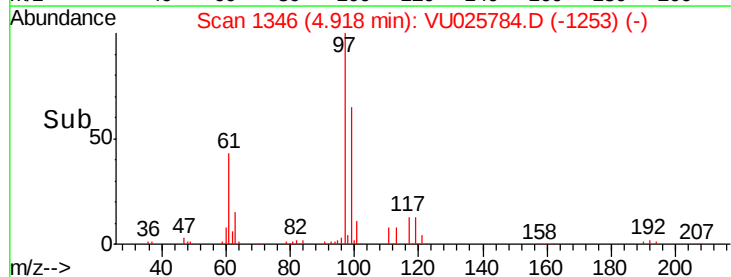
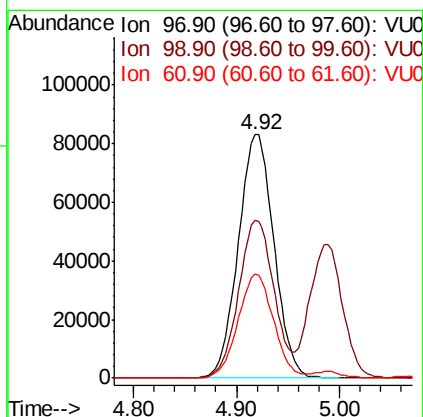
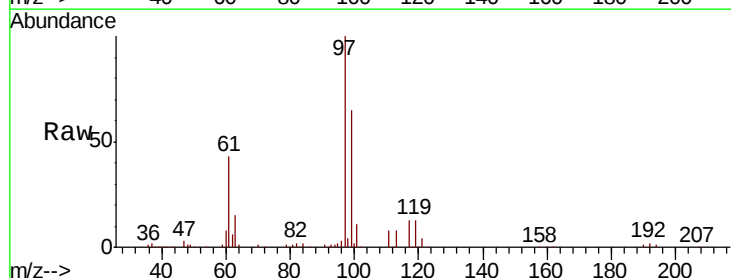
Manual Integrations
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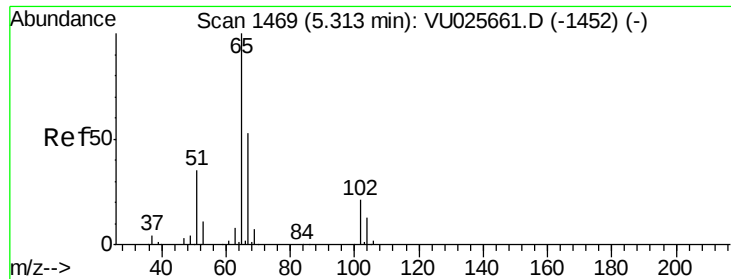
MMDadoda
8/2/2018 9:45:11 AM



#32
1,1,1-Trichloroethane
Concen: 48.785 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	42.4	35.2	52.8





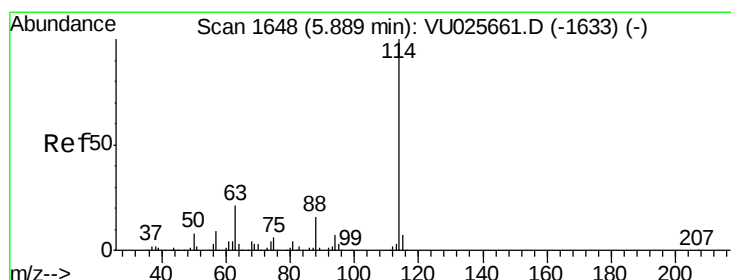
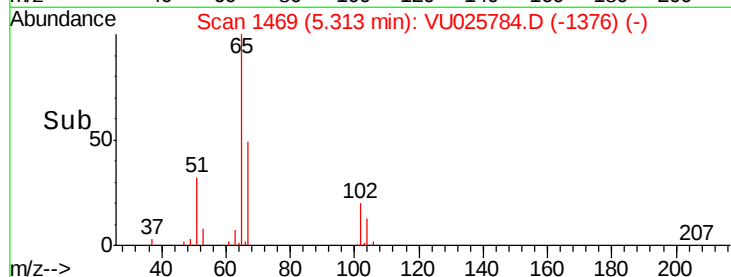
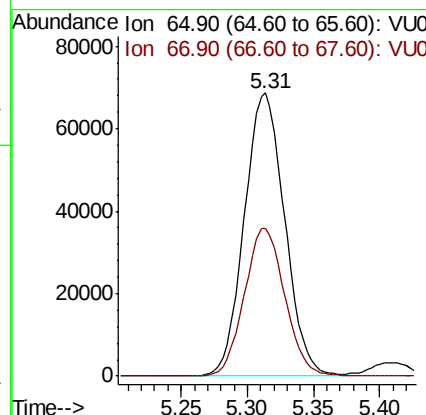
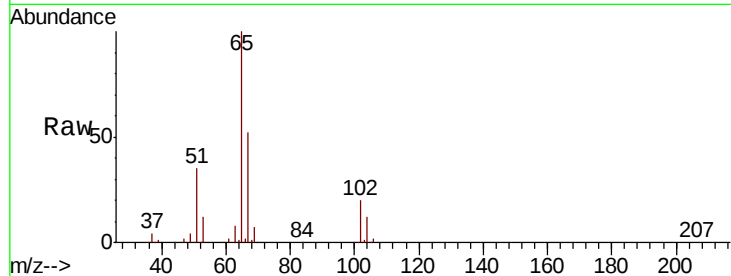
#33
 1,2-Dichloroethane-d4
 Concen: 49.499 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145683		
67	52.2	0.0	103.6	

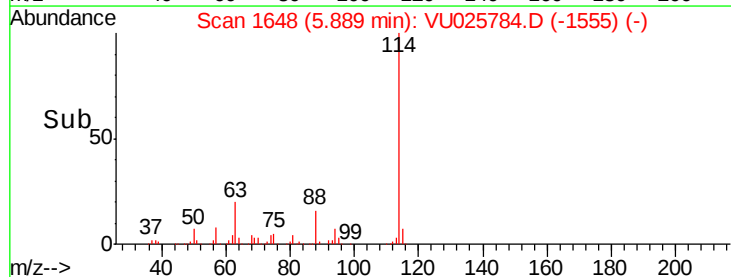
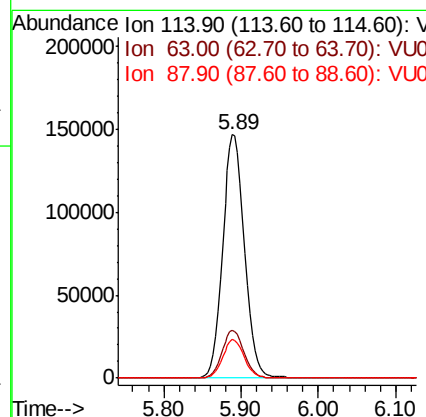
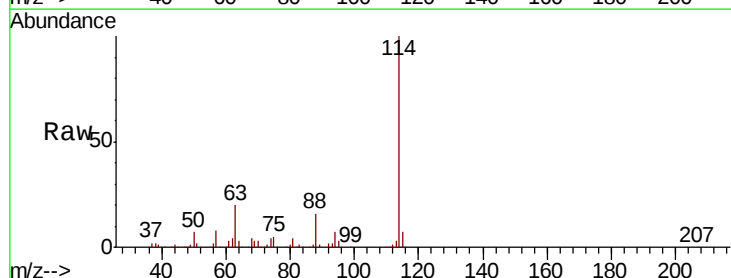
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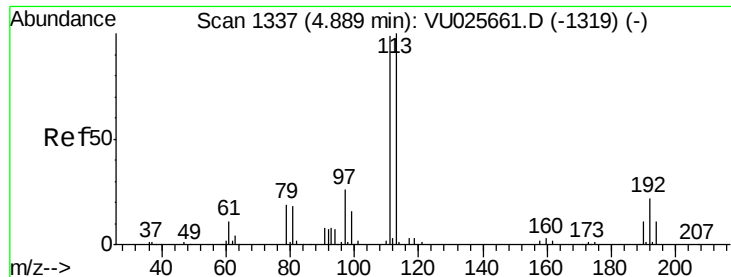
MMDadoda
 8/2/2018 9:45:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	289620		
63	19.7	0.0	41.6	
88	15.7	0.0	32.4	





#35

Dibromofluoromethane

Concen: 48.180 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

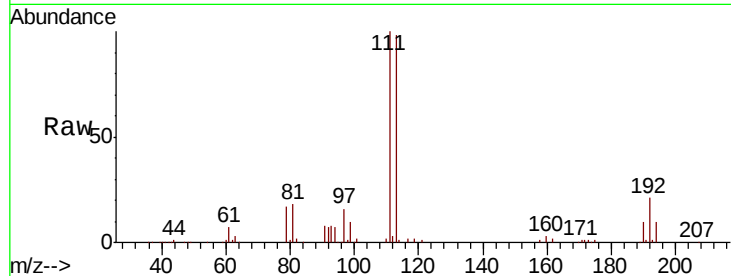
ClientSampleId :

GW-03MS

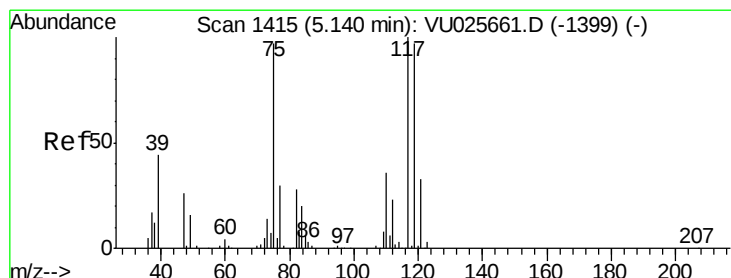
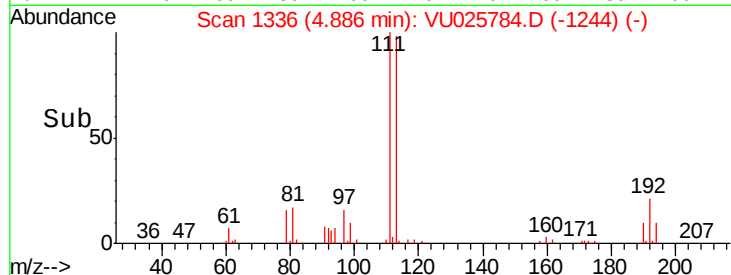
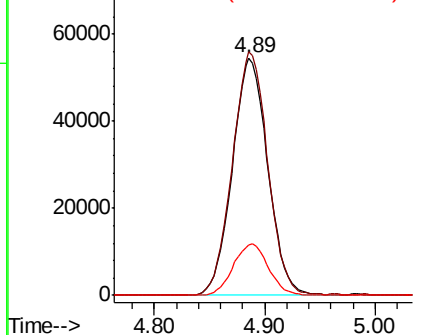
Tot Ion:	113	Resp:	121365
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.7	122.5
192	21.4	17.1	25.7

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.609 ug/l

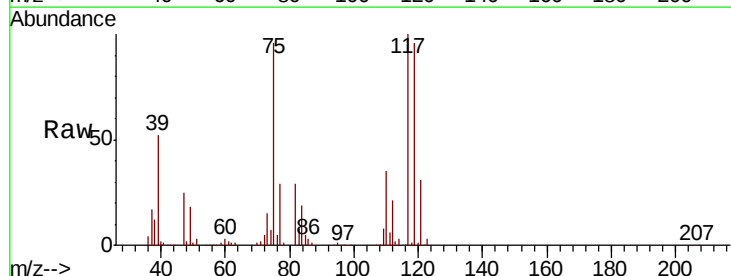
RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

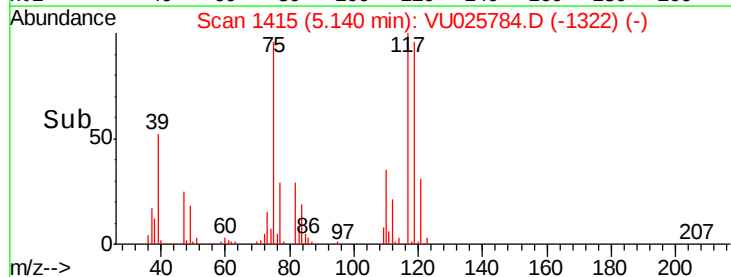
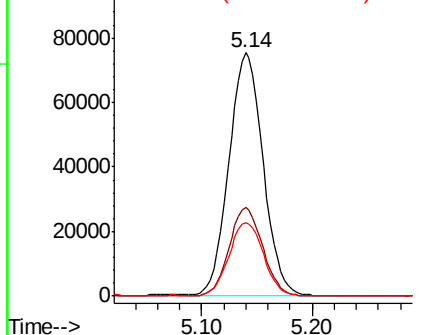
Lab File: VU025784.D

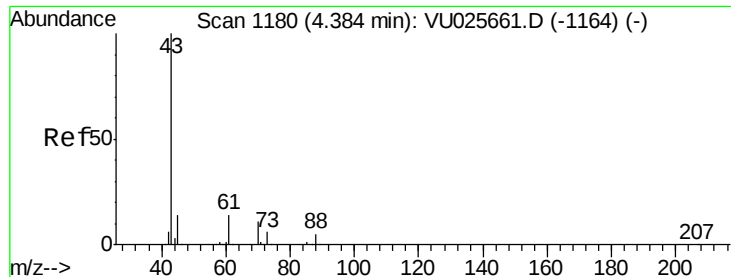
Acq: 01 Aug 2018 18:16

Tgt Ion:	75	Resp:	161142
Ion Ratio	Lower	Upper	
75	100		
110	36.0	17.6	52.9
77	30.8	24.4	36.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





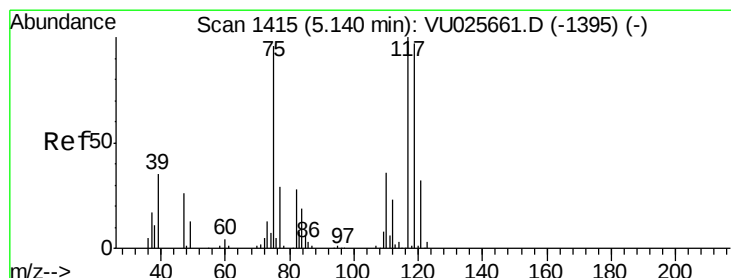
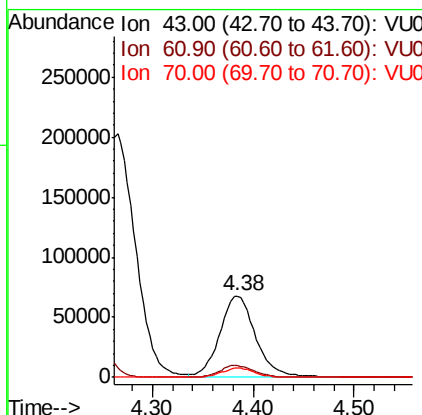
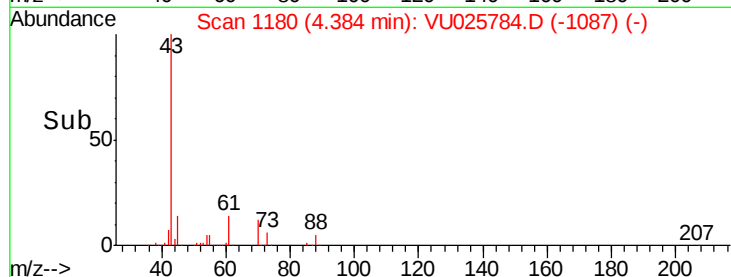
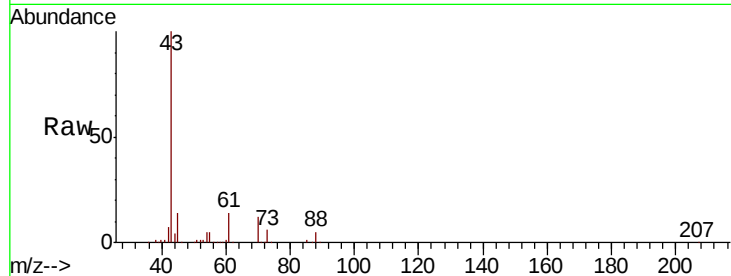
#37
Ethyl Acetate
Concen: 47.186 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampled :
GW-03MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.7	16.1
70	10.7	8.4	12.6

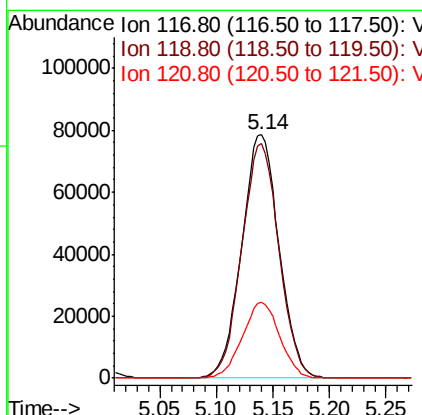
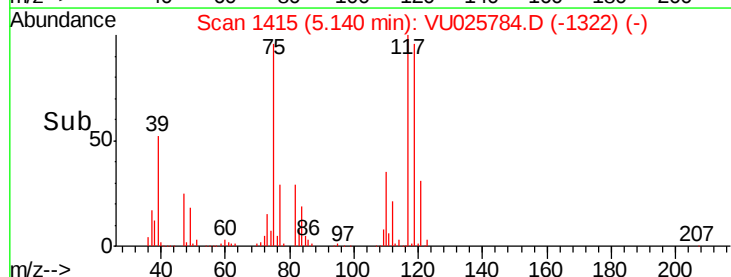
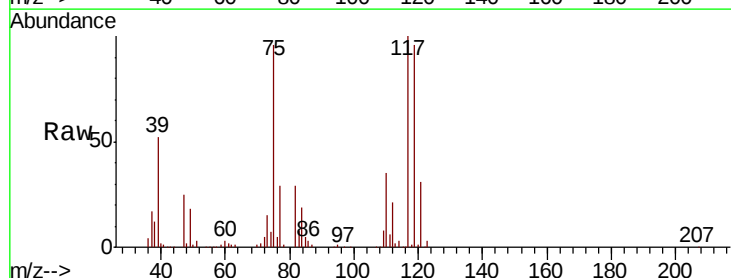
Manual Integrations
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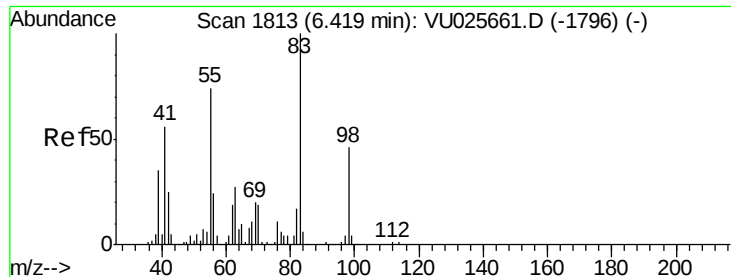
MMDadoda
8/2/2018 9:45:11 AM



#38
Carbon Tetrachloride
Concen: 47.060 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.7	113.5
121	31.2	24.6	36.8





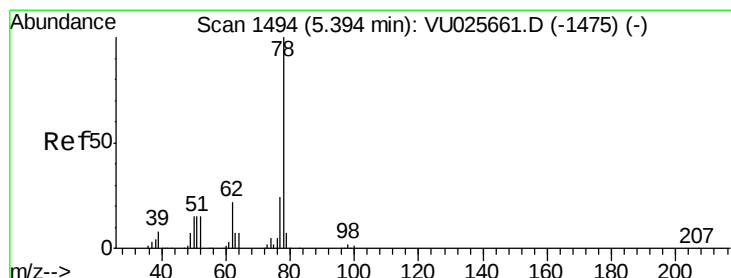
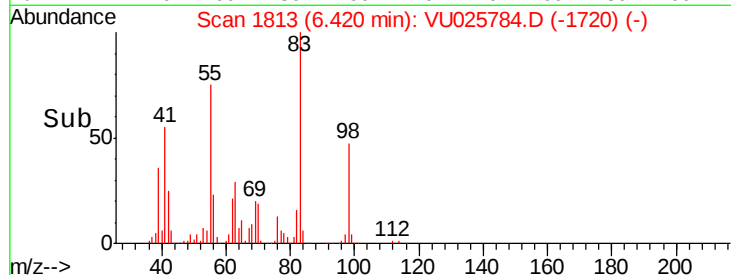
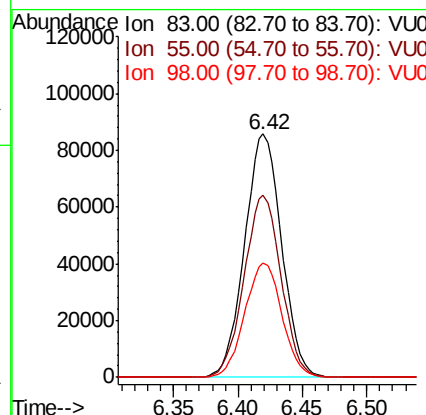
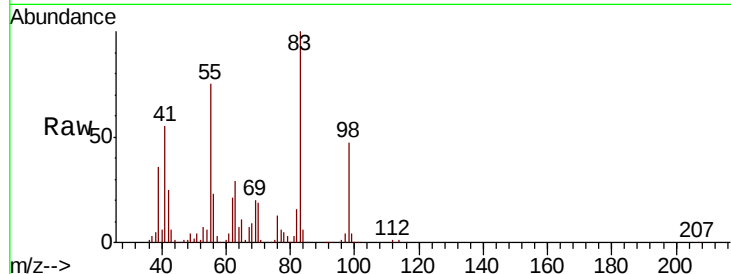
#39
Methvlcvclohexane
Concen: 44.337 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	171944		
55	74.7	60.0	90.0	
98	47.0	36.1	54.1	

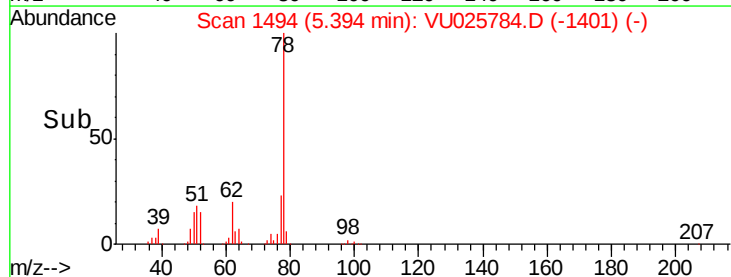
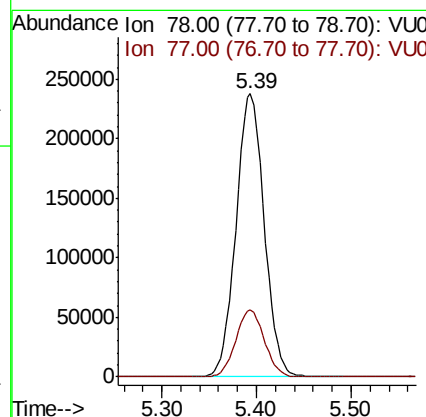
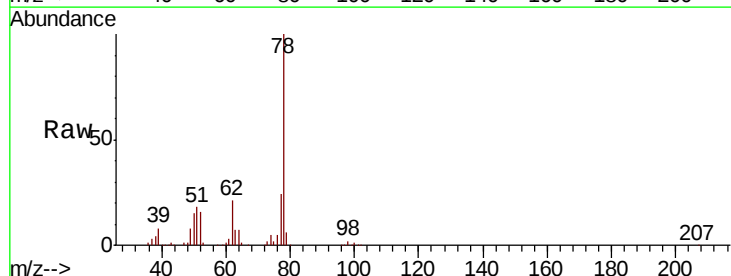
Manual Integrations
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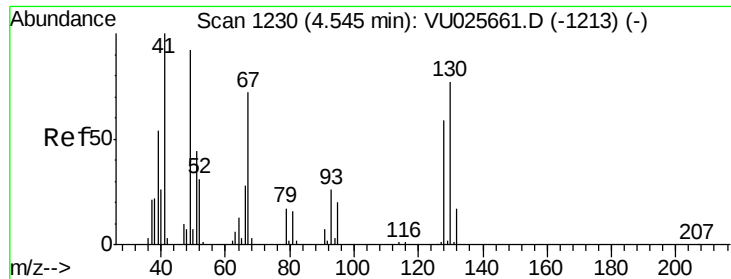
MMDadoda
8/2/2018 9:45:11 AM



#40
Benzene
Concen: 49.912 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	493808		
77	23.5	19.8	29.6	





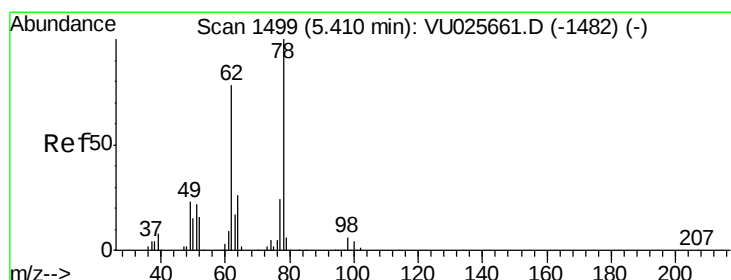
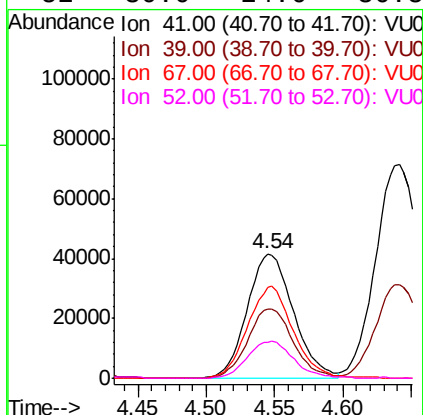
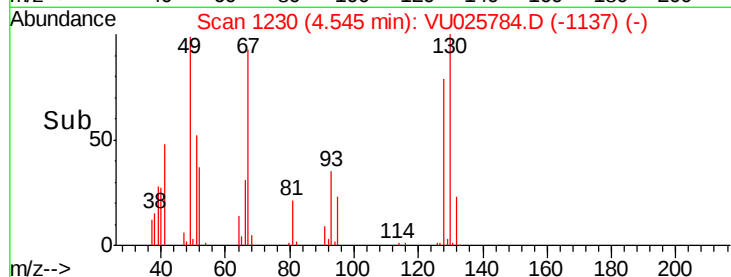
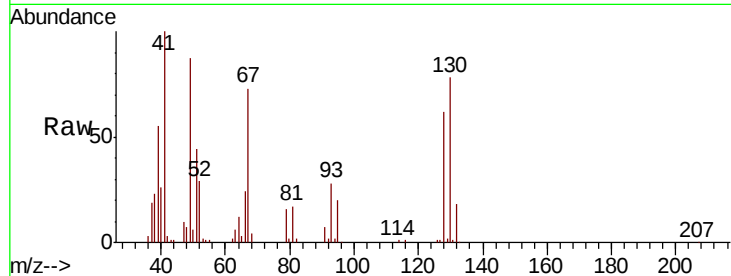
#41
Methacrylonitrile
Concen: 50.149 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		97755		
39	55.3	44.4	66.6		
67	72.4	56.0	84.0		
52	30.0	24.6	36.8		

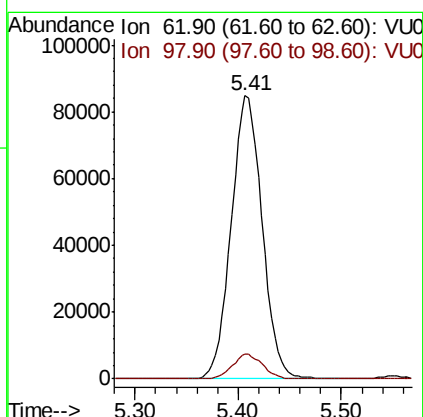
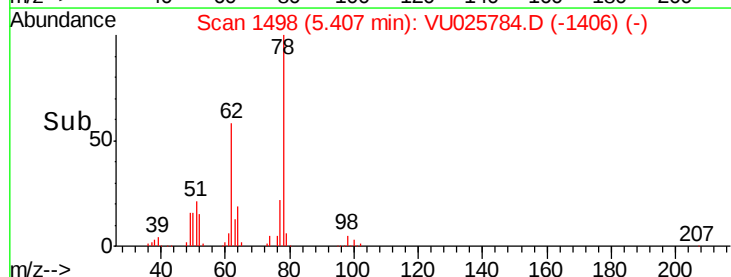
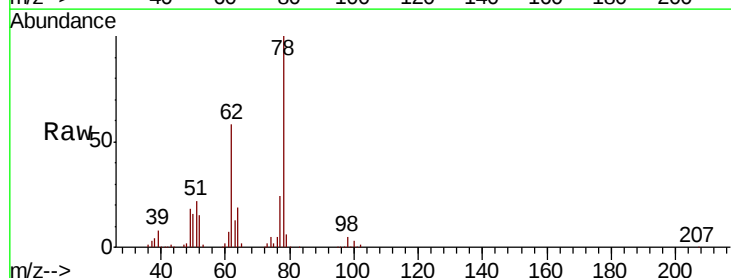
Manual Integrations
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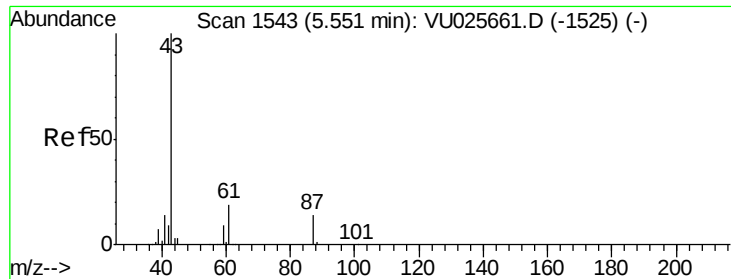
MMDadoda
8/2/2018 9:45:11 AM



#42
1,2-Dichloroethane
Concen: 46.571 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		177416		
98	8.6	0.0	16.4		





#43

Isopropyl Acetate

Concen: 47.909 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

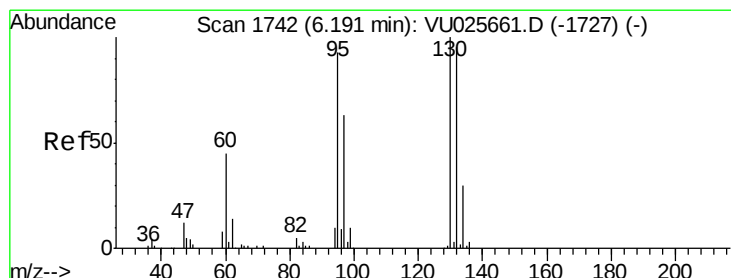
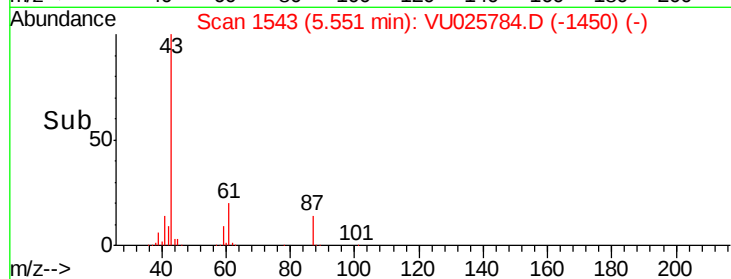
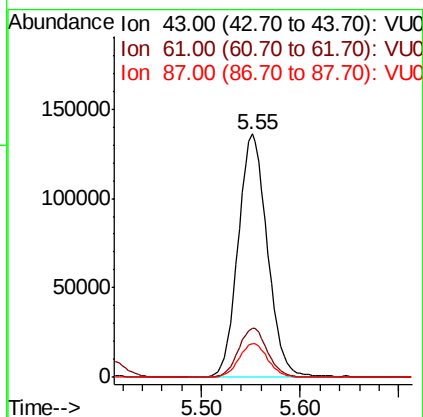
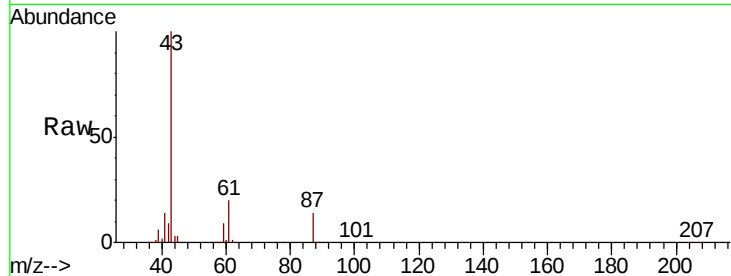
ClientSampleId :

GW-03MS

Tot Ion:	43	Resp:	277847
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.5	23.3
87	13.7	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 46.864 ug/l

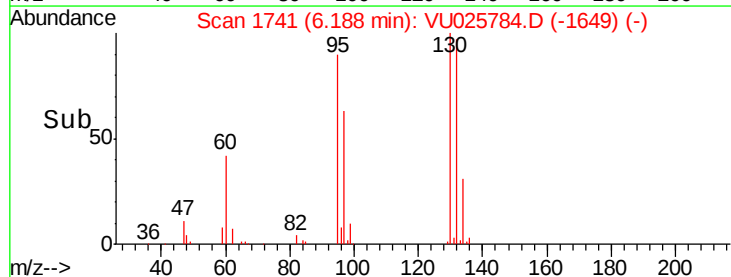
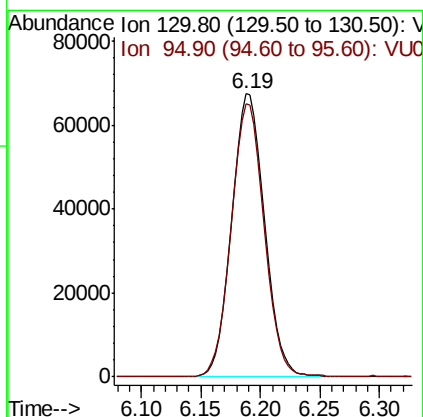
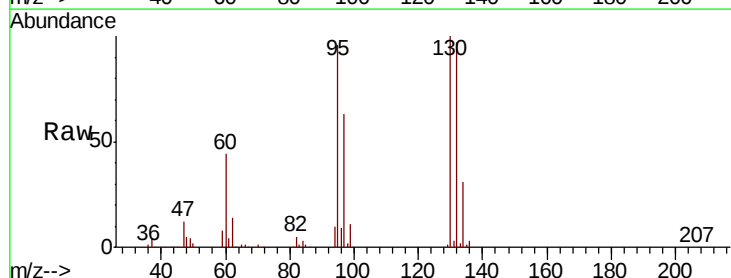
RT: 6.19 min Scan# 1741

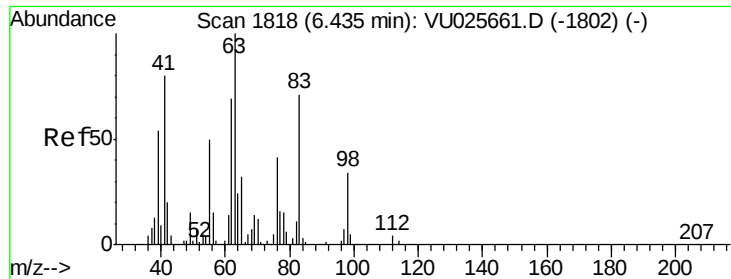
Delta R.T. -0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Tgt Ion:	130	Resp:	129122
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	192.2





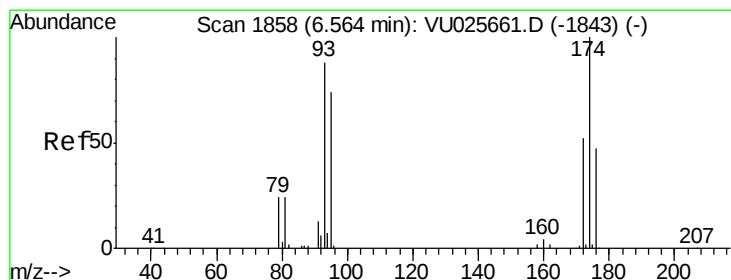
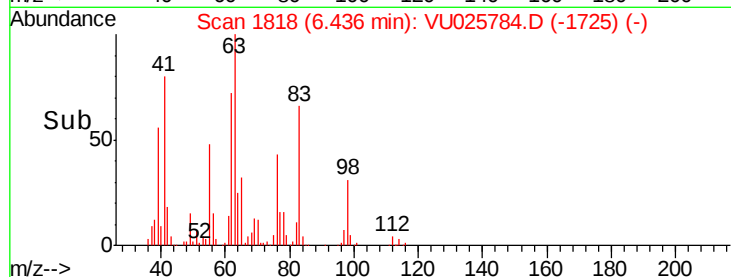
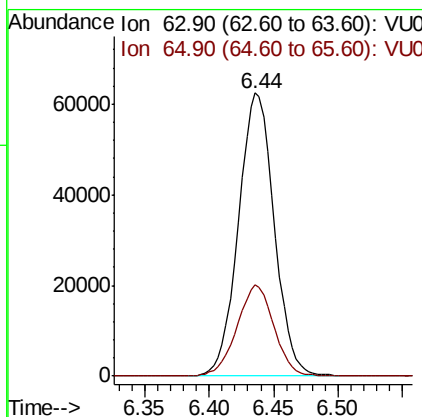
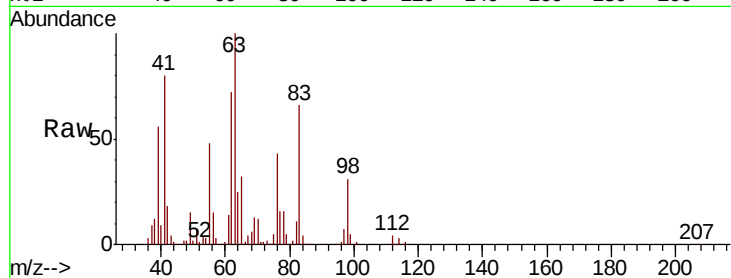
#45
 1,2-Dichloropropane
 Concen: 46.716 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	26.1	39.1

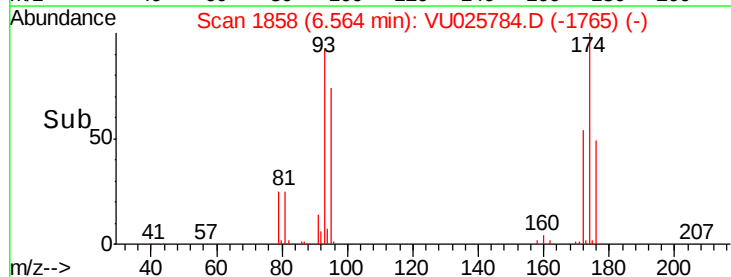
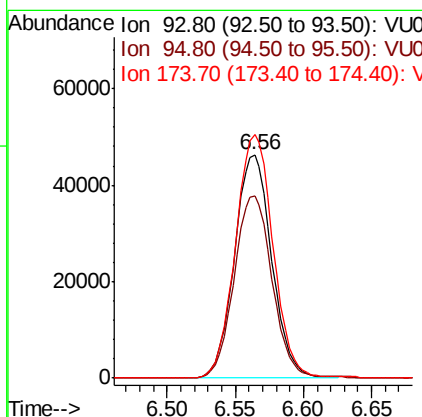
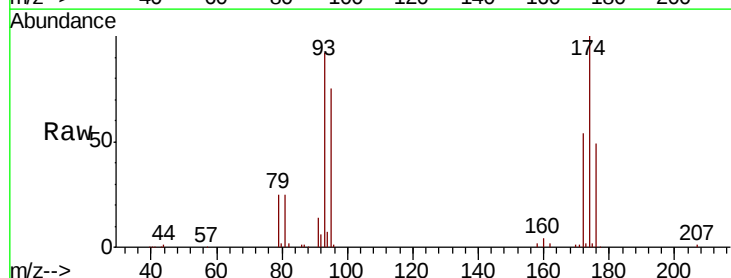
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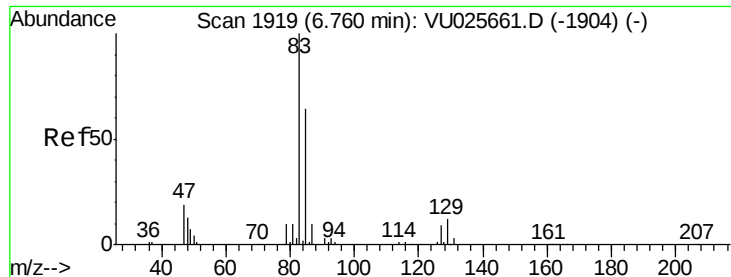
MMDadoda
 8/2/2018 9:45:11 AM



#46
 Dibromomethane
 Concen: 47.041 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.6	100.0
174	110.2	85.8	128.8





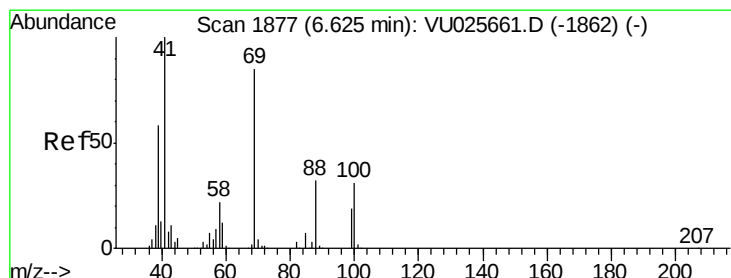
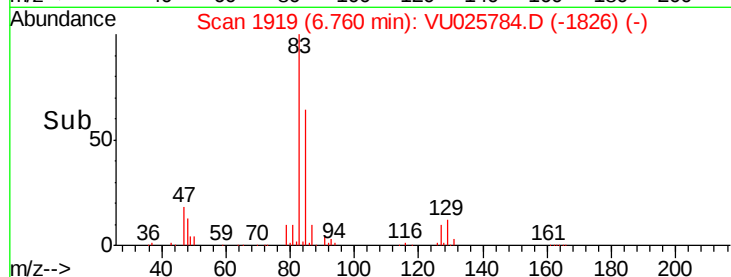
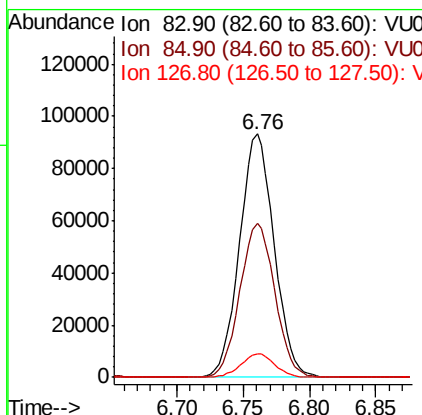
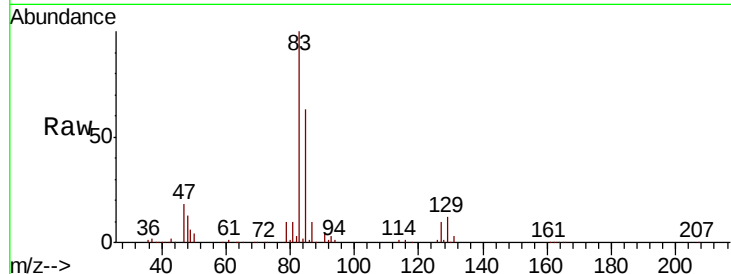
#47
Bromodichloromethane
Concen: 47.440 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.2	75.4
127	9.8	7.2	10.8

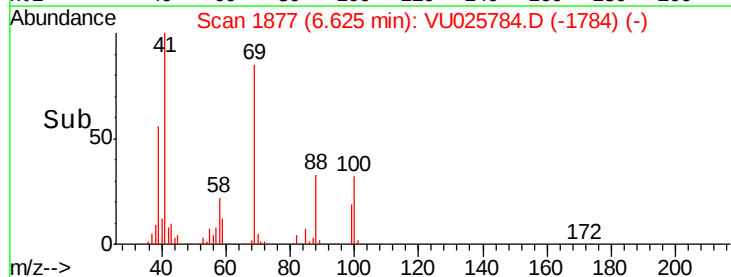
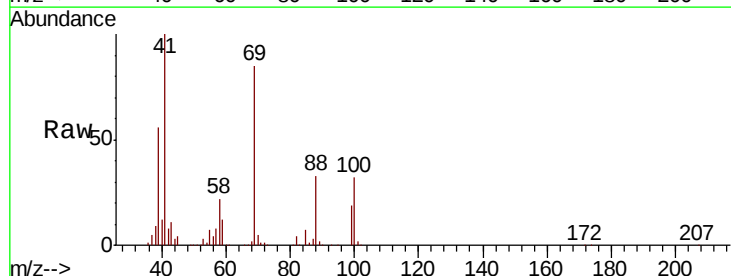
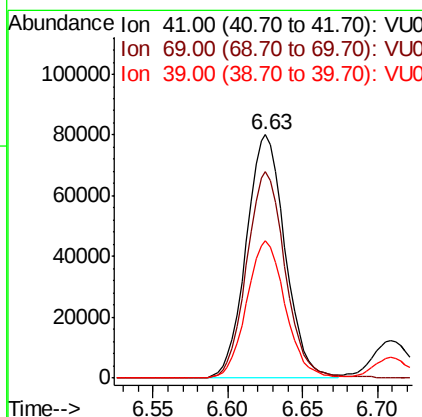
Manual Integrations
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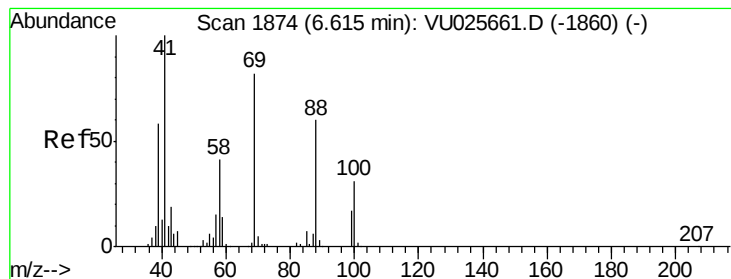
MMDadoda
8/2/2018 9:45:11 AM



#48
Methyl methacrylate
Concen: 50.902 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.2	65.0	97.4
39	55.7	46.4	69.6





#49

1,4-Dioxane

Concen: 1041.444 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

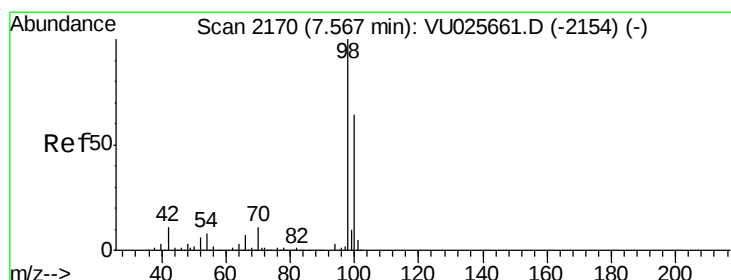
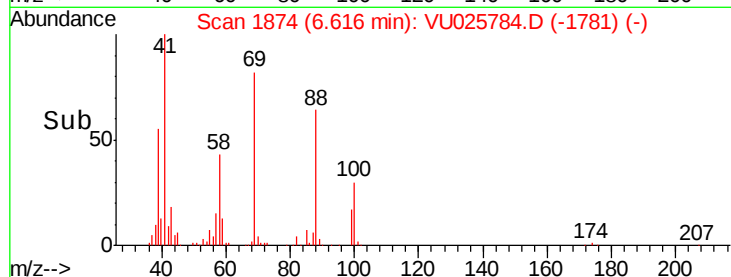
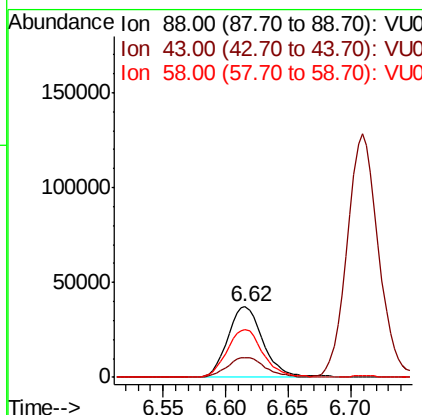
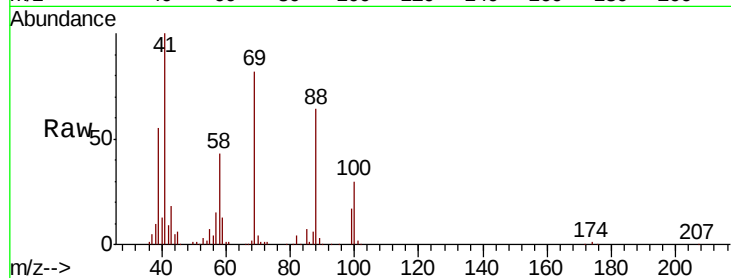
ClientSampleId :

GW-03MS

Tot Ion:	88	Resp:	72036
Ion	Ratio	Lower	Upper
88	100		
43	30.0	27.3	40.9
58	69.8	57.6	86.4

Manual Integrations
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MMDadoda
8/2/2018 9:45:11 AM



#50

Toluene-d8

Concen: 48.674 ug/l

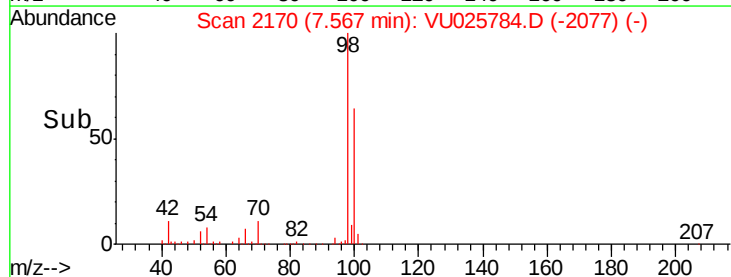
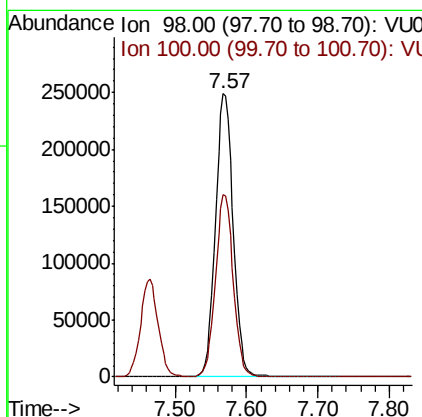
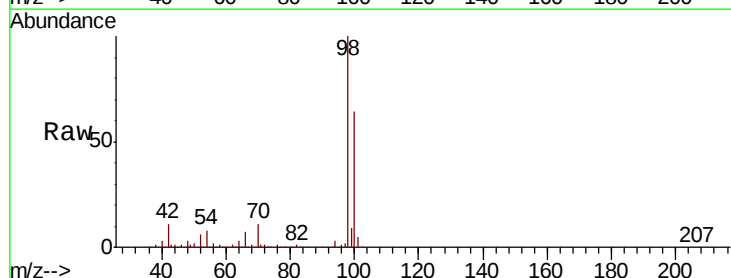
RT: 7.57 min Scan# 2170

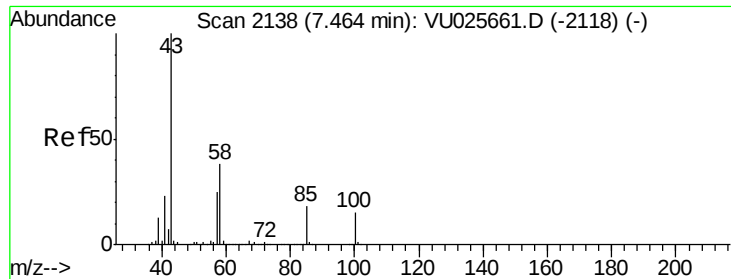
Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Tgt Ion:	98	Resp:	429046
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7





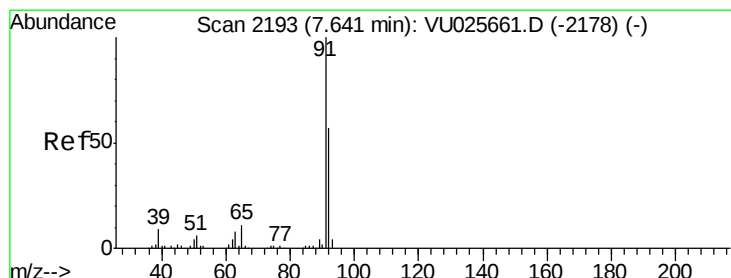
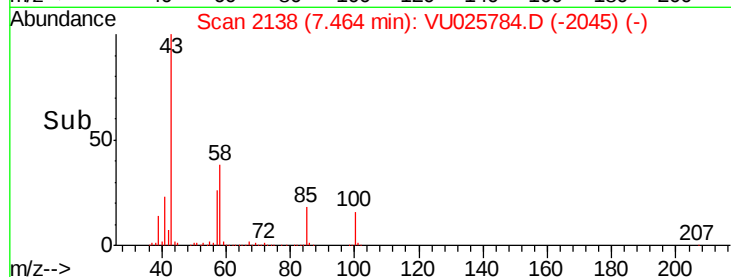
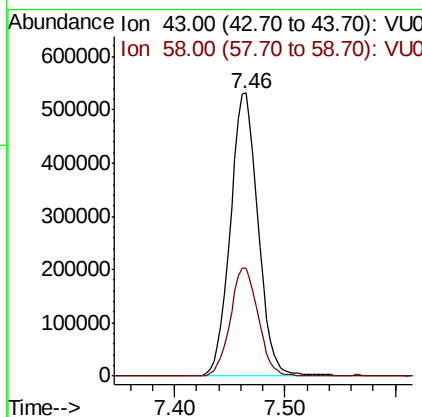
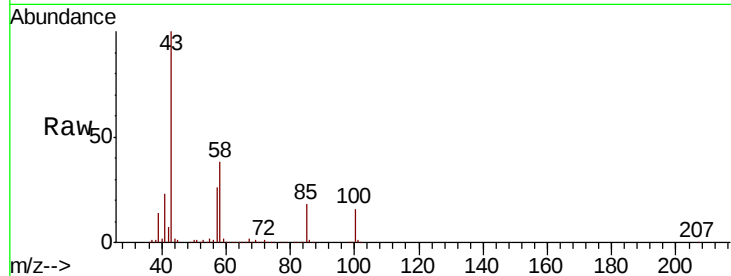
#51
4-Methyl-2-Pentanone
Concen: 255.541 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	43	Resp	927831
Ion Ratio	100	Lower	Upper
43	100		
58	38.7	31.0	46.4

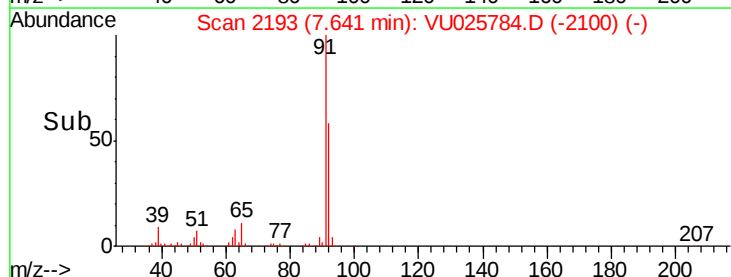
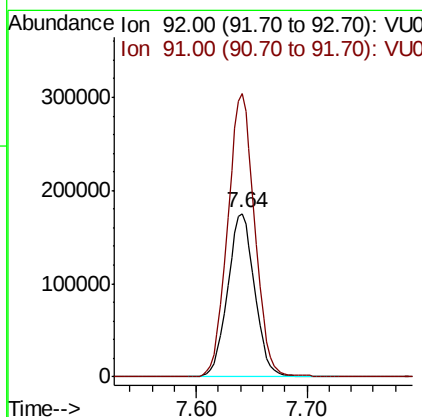
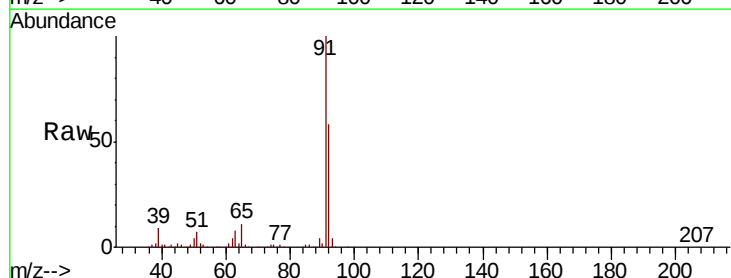
Manual Integrations
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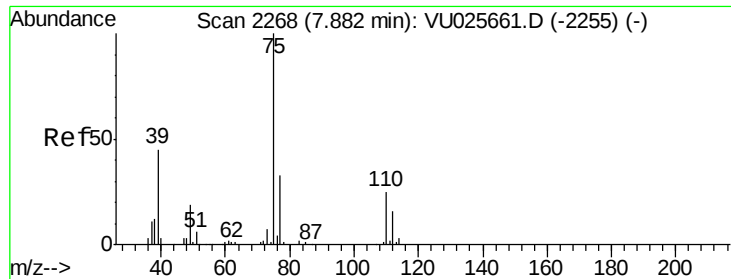
MMDadoda
8/2/2018 9:45:11 AM



#52
Toluene
Concen: 48.435 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	92	Resp	297705
Ion Ratio	100	Lower	Upper
92	100		
91	173.5	139.2	208.8





#53

t-1,3-Dichloropropene

Concen: 48.425 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampled :

GW-03MS

Tot Ion: 75 Resp: 193910

Ion Ratio Lower Upper

75 100

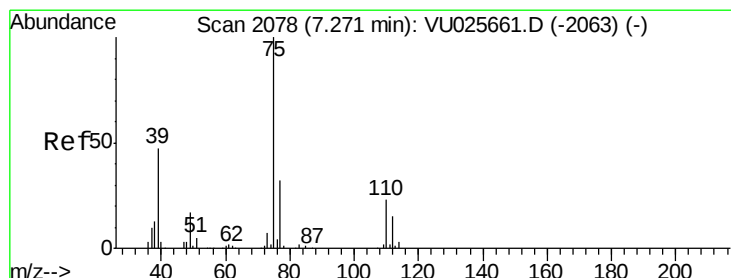
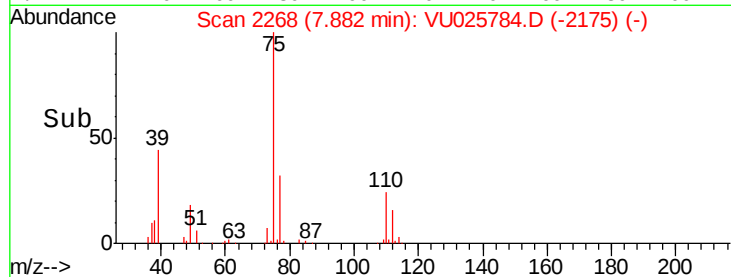
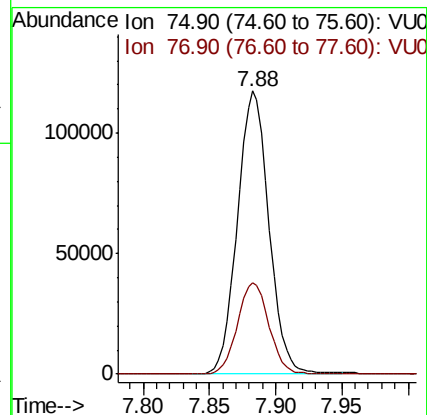
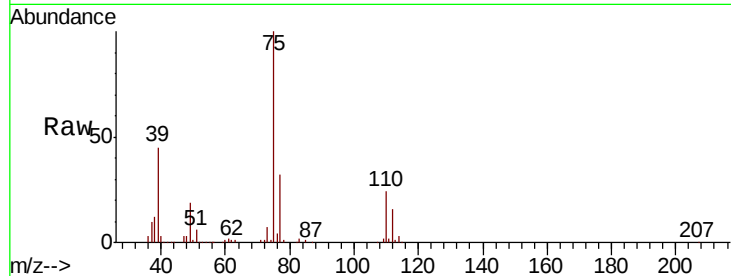
77 32.3 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

8/2/2018 9:45:11 AM



#54

cis-1,3-Dichloropropene

Concen: 48.364 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

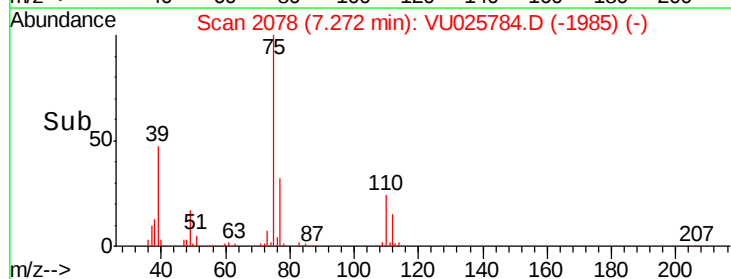
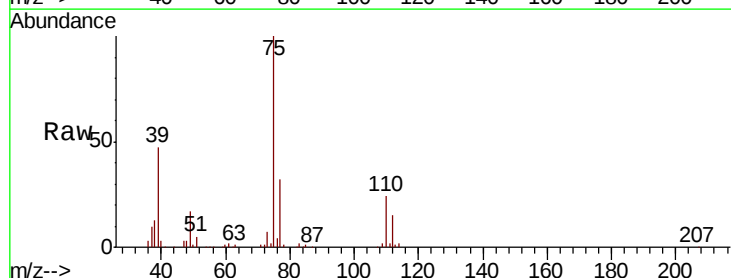
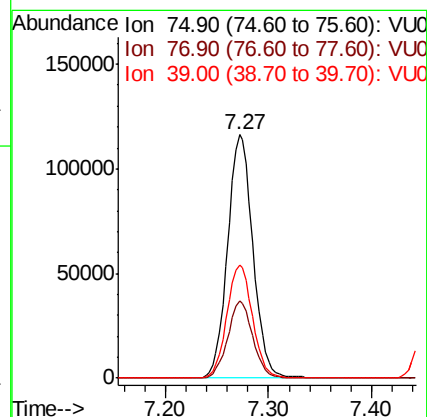
Tgt Ion: 75 Resp: 198940

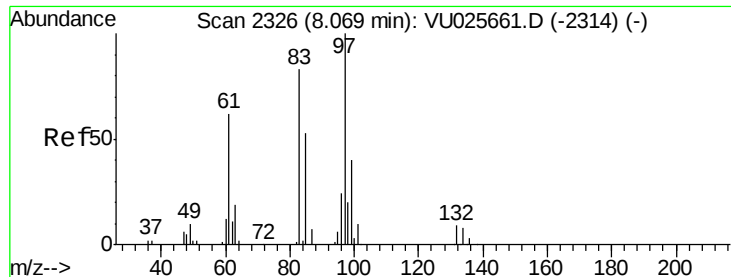
Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 46.5 40.0 60.0





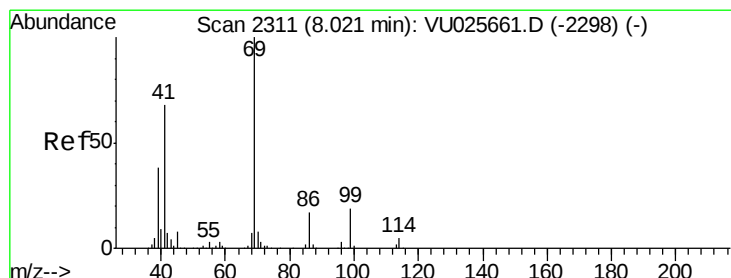
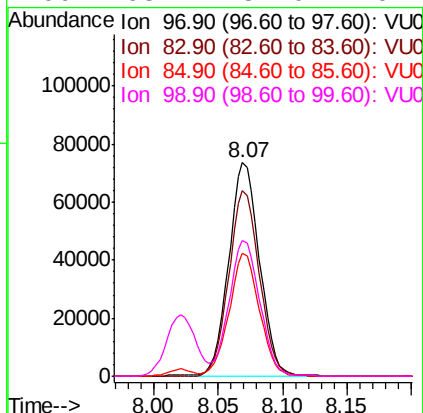
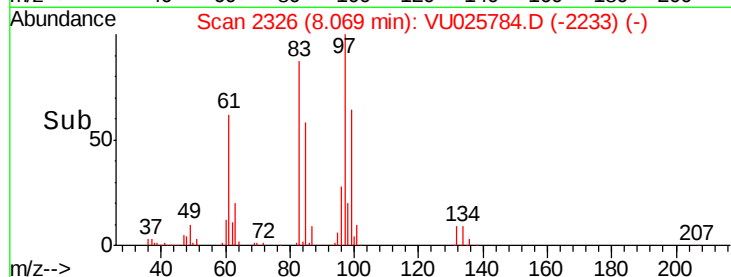
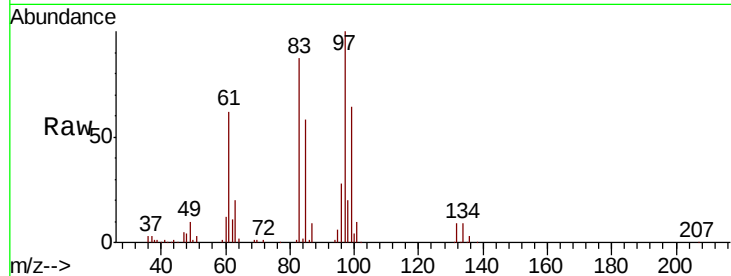
#55
 1,1,2-Trichloroethane
 Concen: 47.461 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampled :
 GW-03MS

Tot Ion	Ratio	Resp	Lower	Upper
97	100	121231		
83	86.9	68.9	103.3	
85	57.7	44.4	66.6	
99	63.7	51.0	76.4	

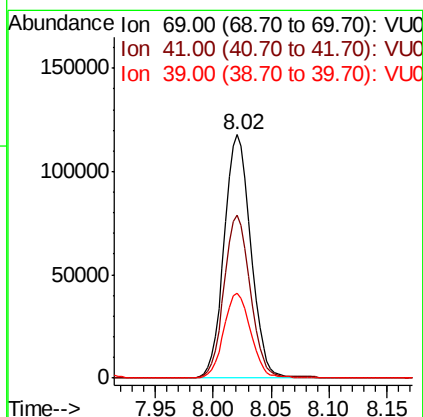
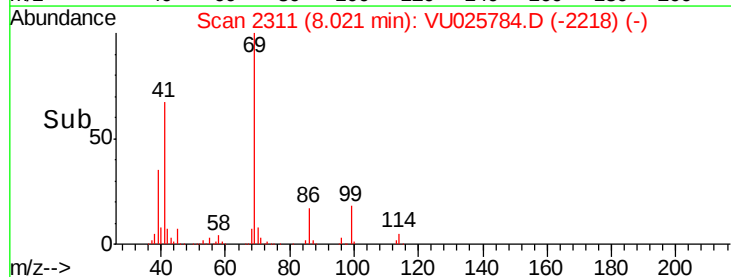
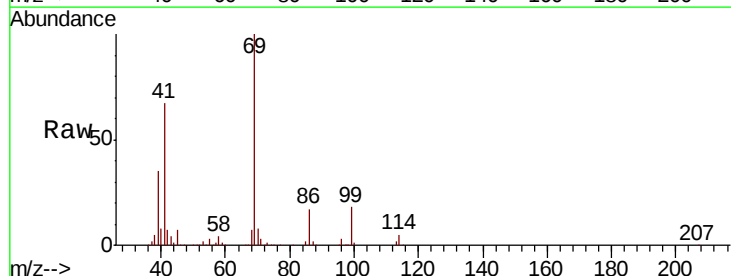
Manual Integrations
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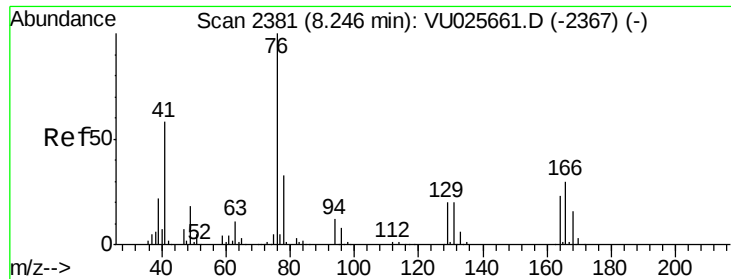
MMDadoda
 8/2/2018 9:45:11 AM



#56
 Ethyl methacrylate
 Concen: 51.399 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	187585		
41	66.1	54.8	82.2	
39	35.4	31.1	46.7	





#57

1,3-Dichloropropane

Concen: 47.850 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampled :

GW-03MS

Tot Ion: 76 Resp: 205545

Ion Ratio Lower Upper

76 100

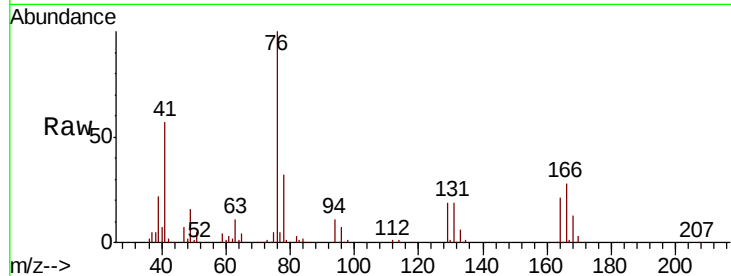
78 32.4 26.1 39.1

Manual Integrations

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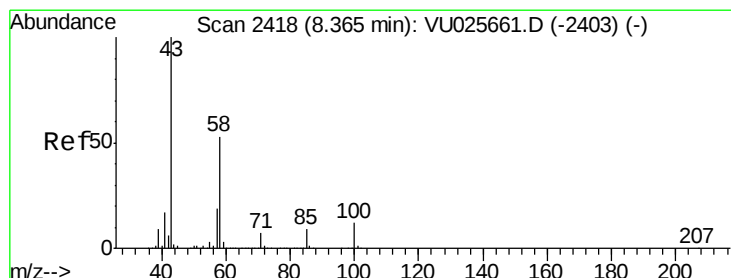
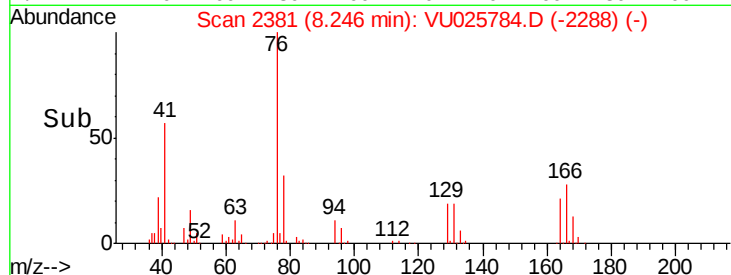
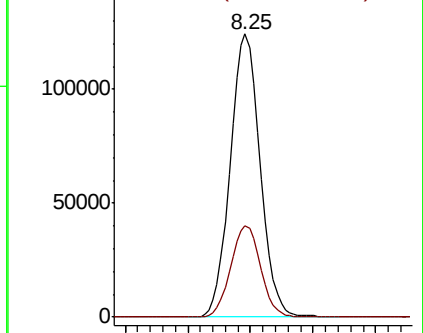
MMDadoda

8/2/2018 9:45:11 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 256.160 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. 0.00 min

Lab File: VU025784.D

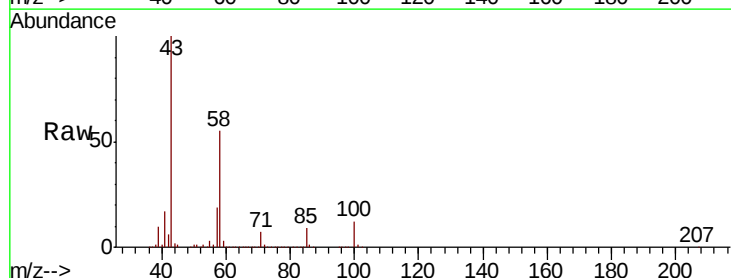
Acq: 01 Aug 2018 18:16

Tgt Ion: 43 Resp: 729068

Ion Ratio Lower Upper

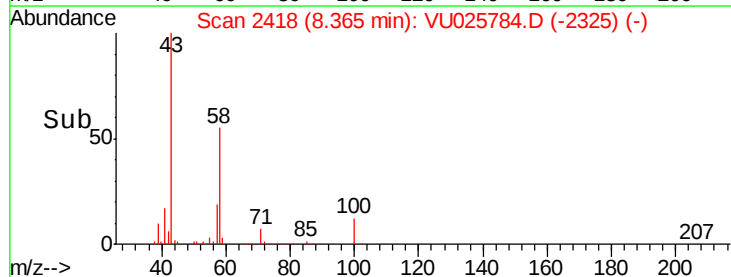
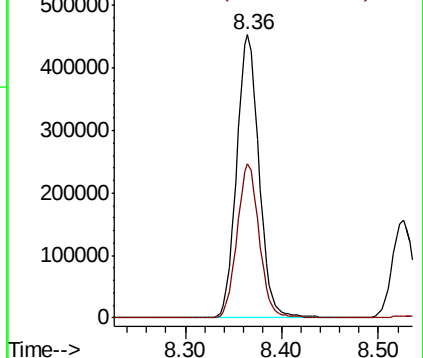
43 100

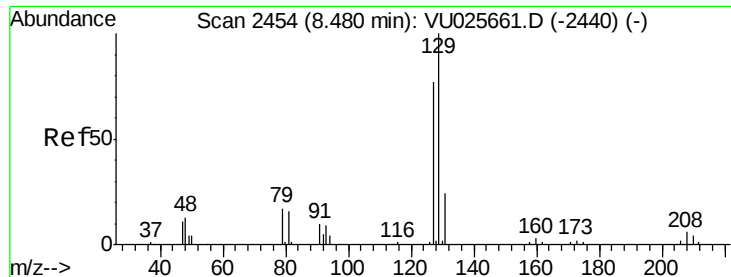
58 54.2 26.2 78.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





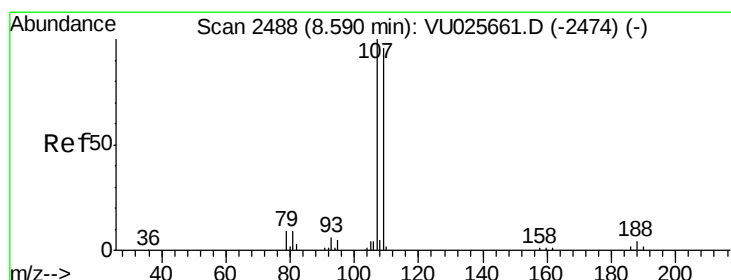
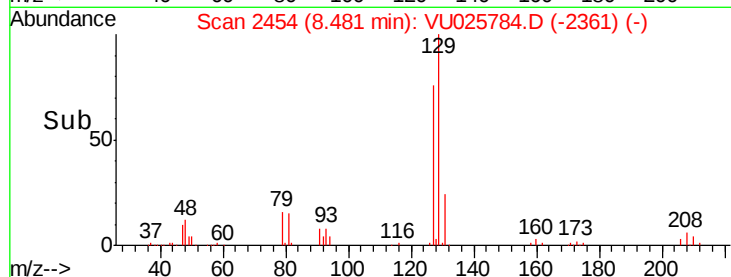
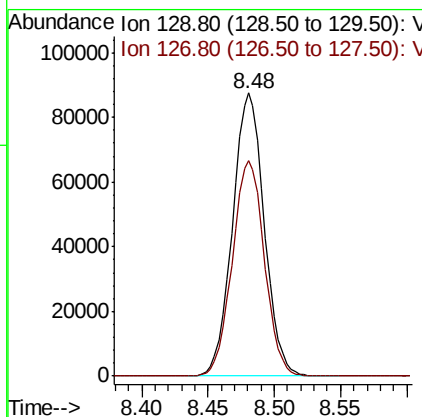
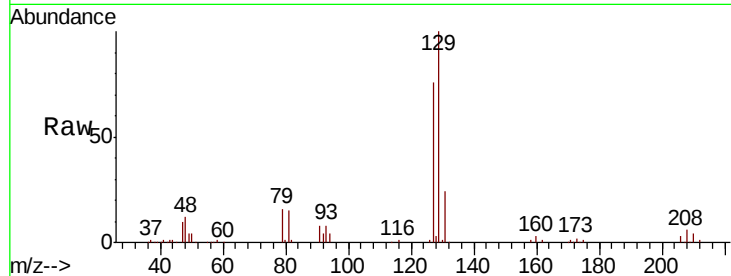
#60
Dibromochloromethane
Concen: 48.188 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.8

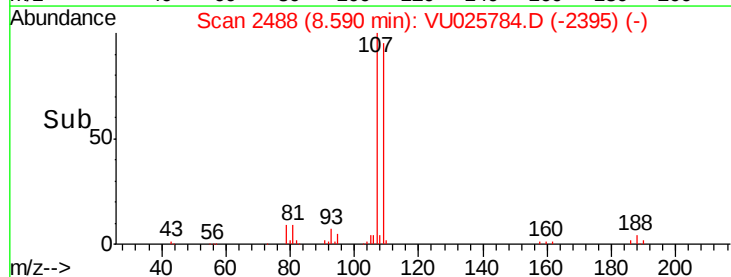
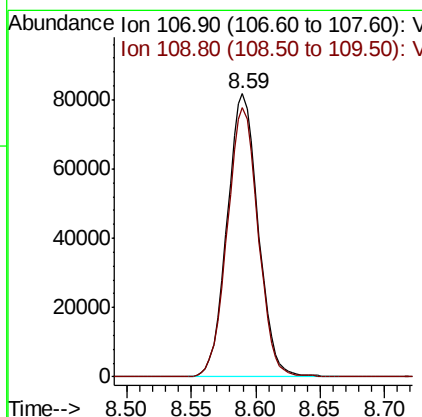
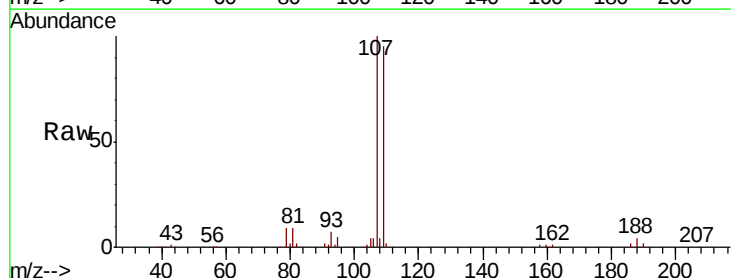
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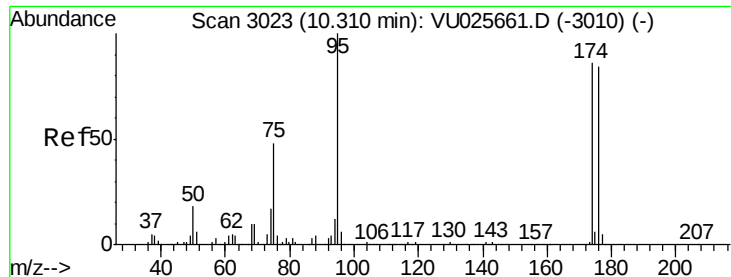
MMDadoda
8/2/2018 9:45:11 AM



#61
1,2-Dibromoethane
Concen: 48.149 ug/l
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.8	113.8





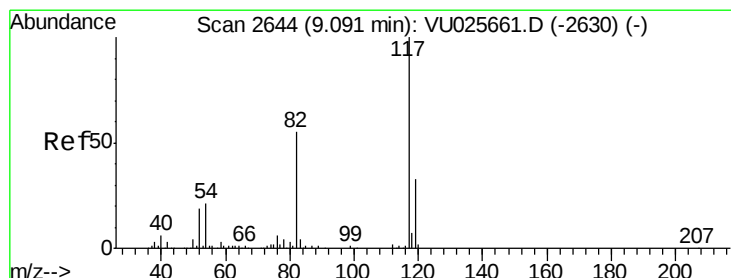
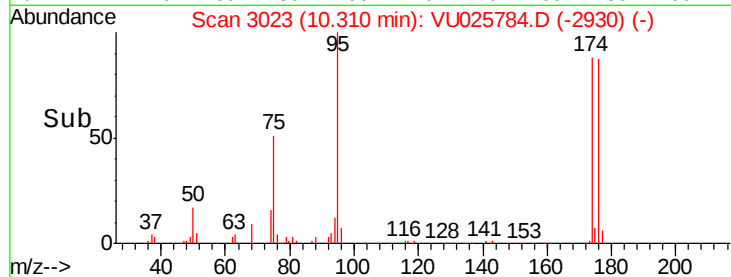
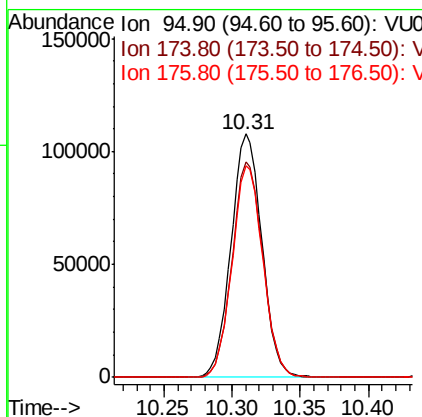
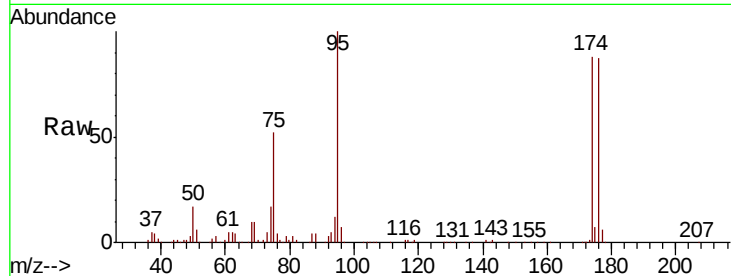
#62
4-Bromofluorobenzene
Concen: 49.440 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	169153		
174	88.4	0.0	172.2	
176	86.6	0.0	162.6	

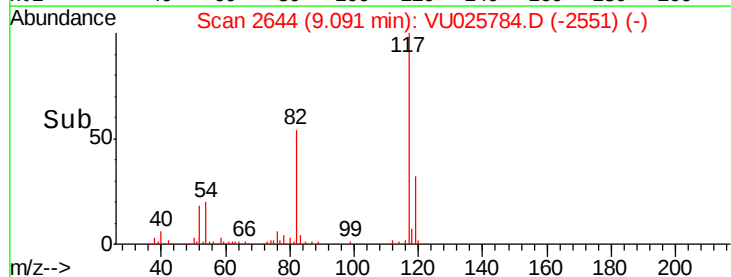
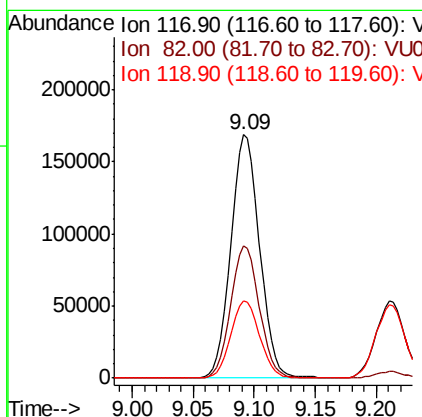
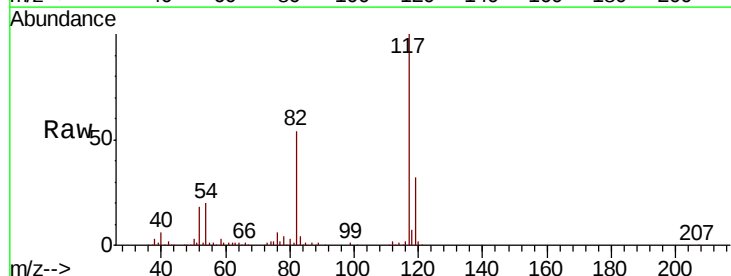
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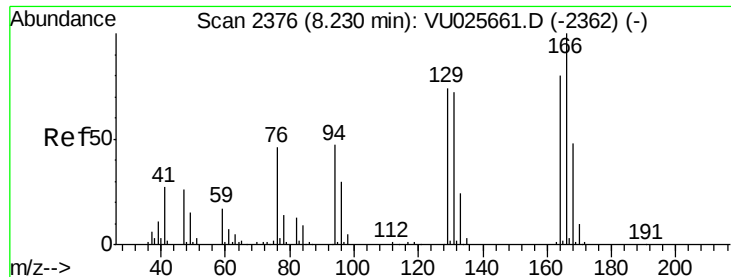
MMDadoda
8/2/2018 9:45:11 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	277911		
82	54.3	46.0	69.0	
119	31.7	26.0	39.0	





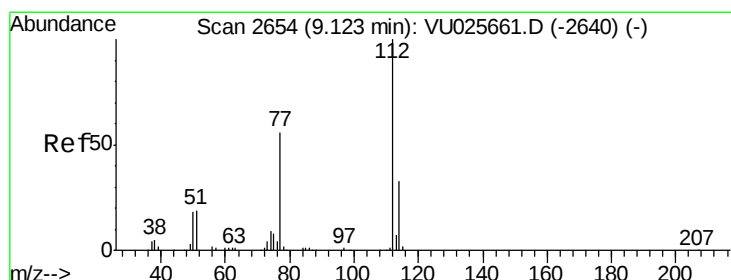
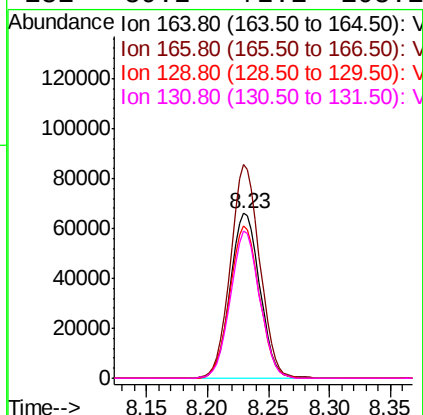
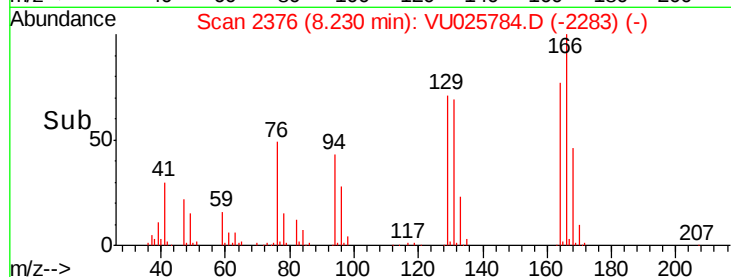
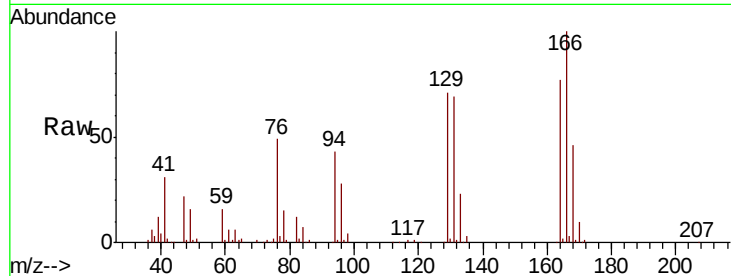
#64
Tetrachloroethene
Concen: 45.749 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.1	151.7
129	92.4	73.0	109.6
131	89.2	72.1	108.1

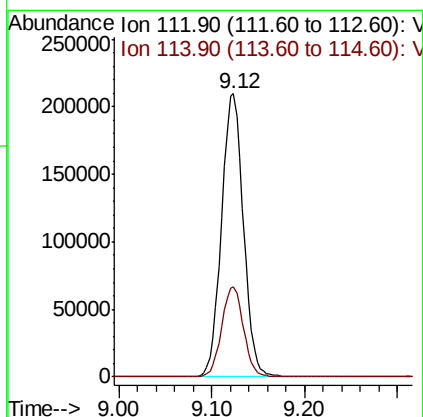
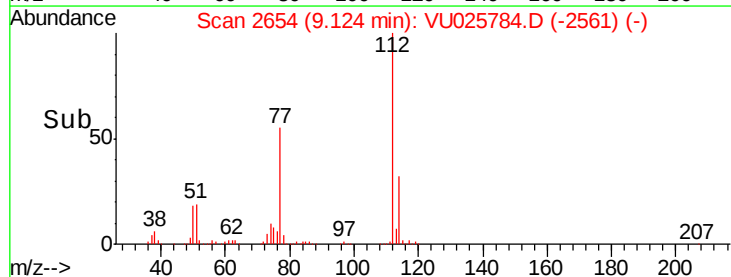
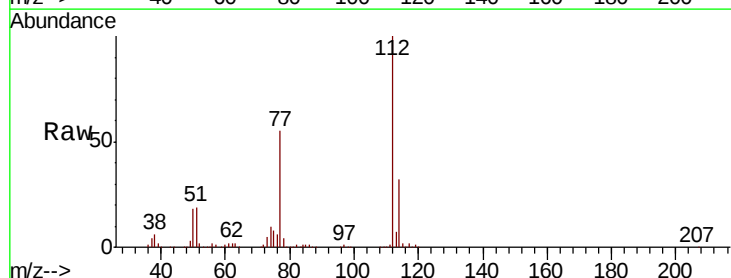
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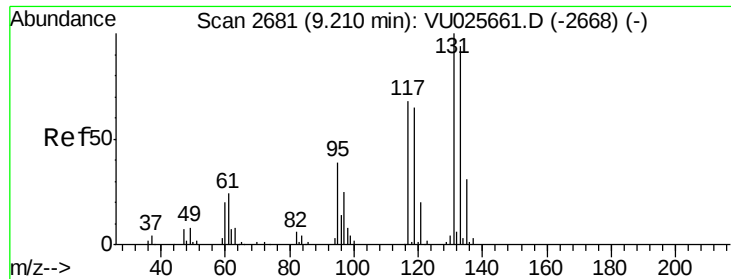
MMDadoda
8/2/2018 9:45:11 AM



#65
Chlorobenzene
Concen: 47.989 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.8





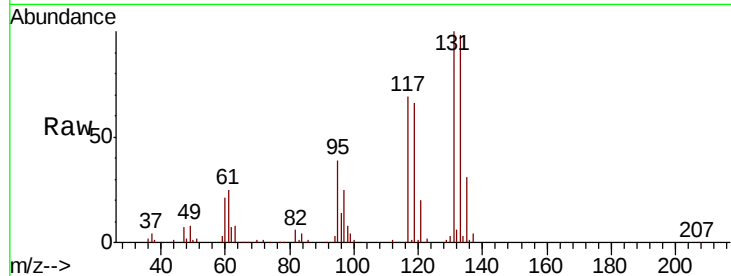
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.579 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampled :
 GW-03MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.8	143.3
119	65.7	31.6	95.0

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MMDadoda
 8/2/2018 9:45:11 AM

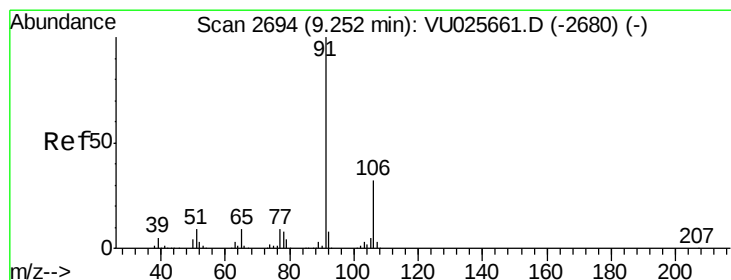
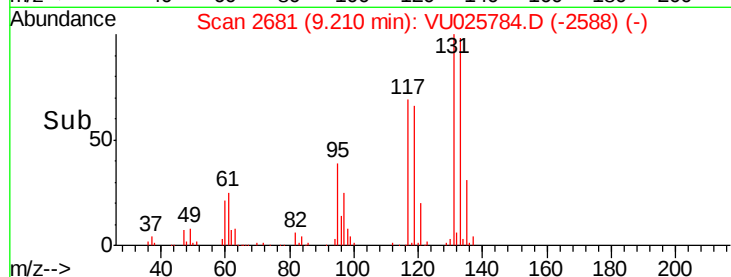
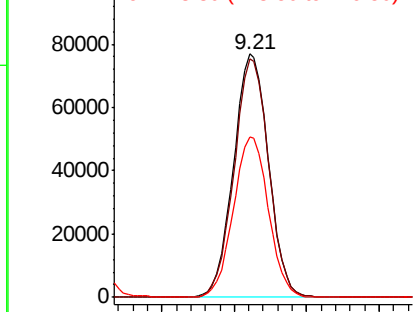


Abundance

Ion 130.80 (130.50 to 131.50): V

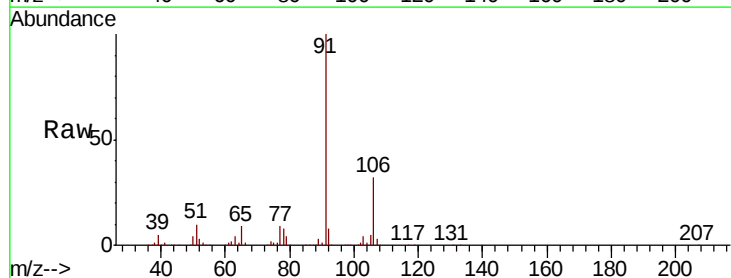
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67
 Ethyl Benzene
 Concen: 49.013 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

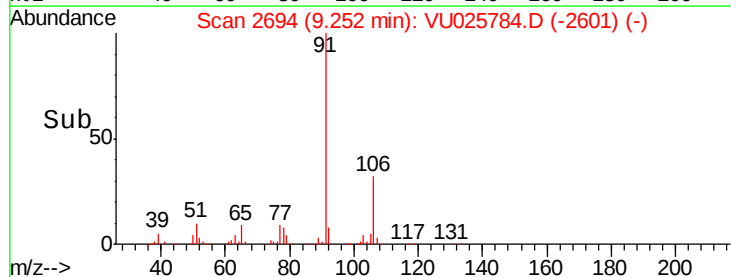
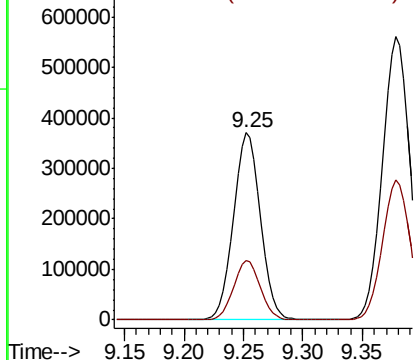
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.3	37.9

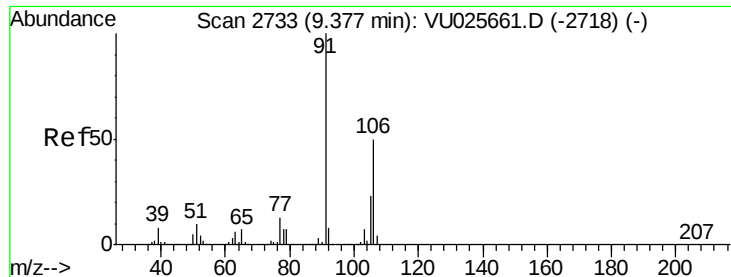


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





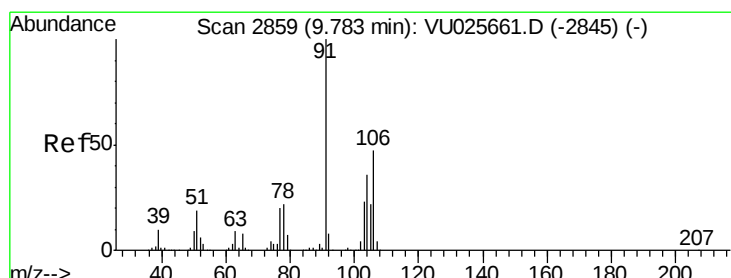
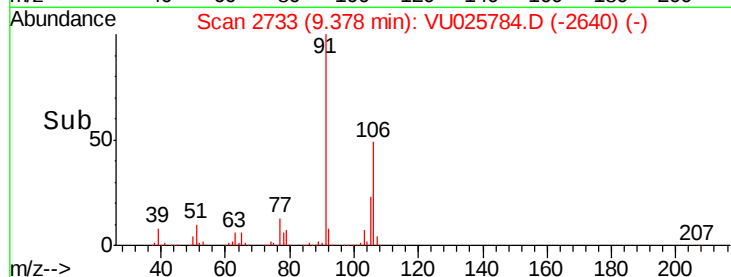
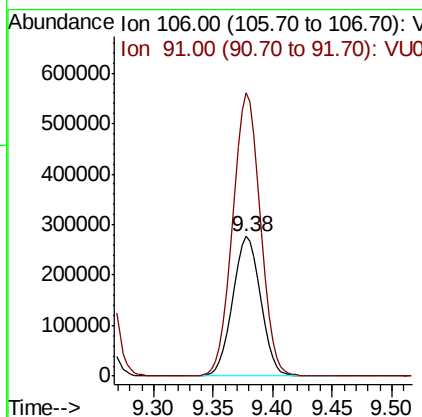
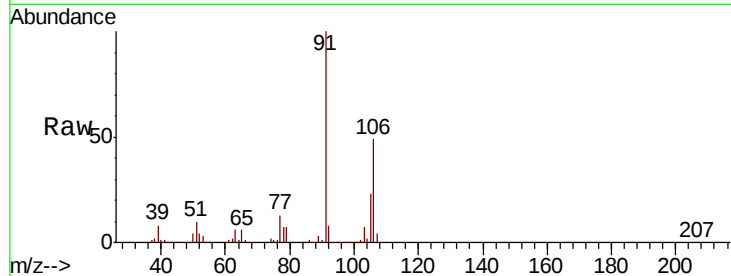
#68
m/p-Xylenes
Concen: 98.984 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		451036		
91	201.5	162.3	243.5		

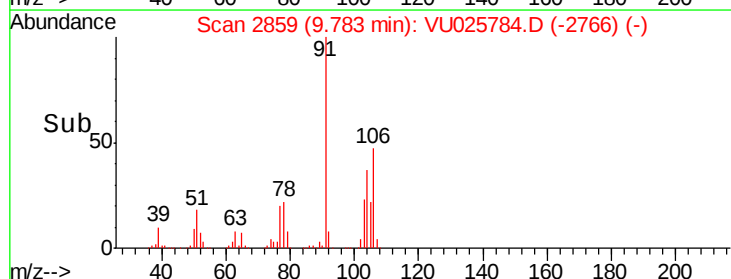
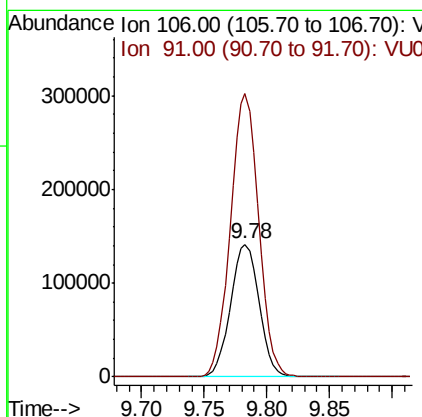
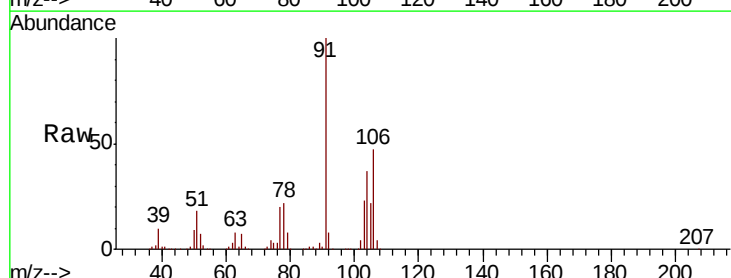
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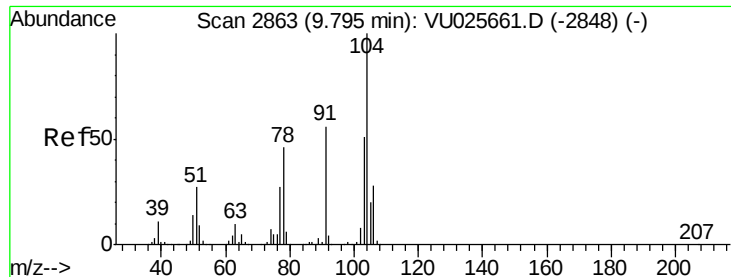
MMDadoda
8/2/2018 9:45:11 AM



#69
o-Xylene
Concen: 50.183 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		223484		
91	210.9	105.3	315.8		





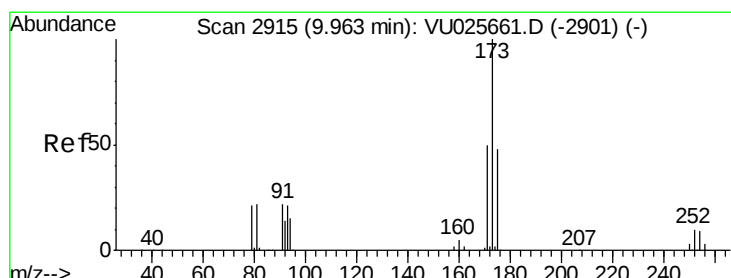
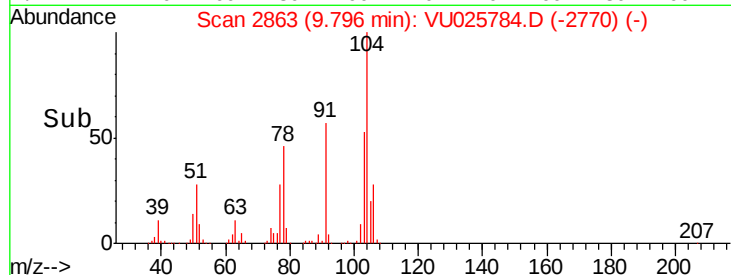
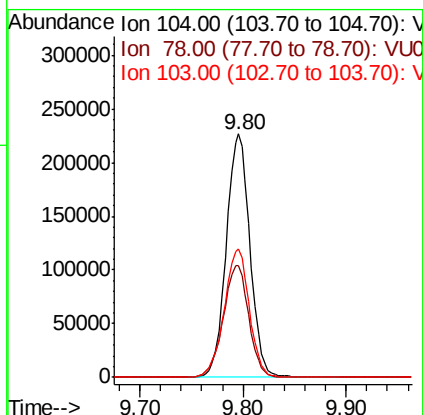
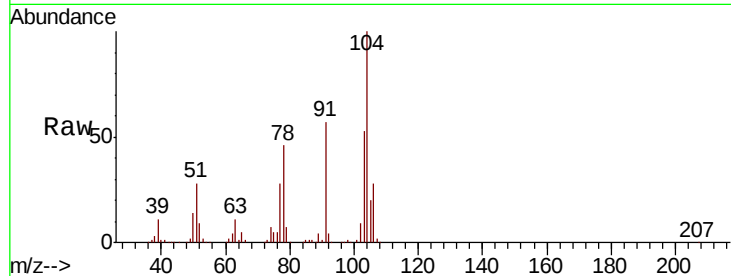
#70
Stvrene
Concen: 50.241 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	361402		
78	49.4		41.6	62.4
103	55.8		44.6	66.8

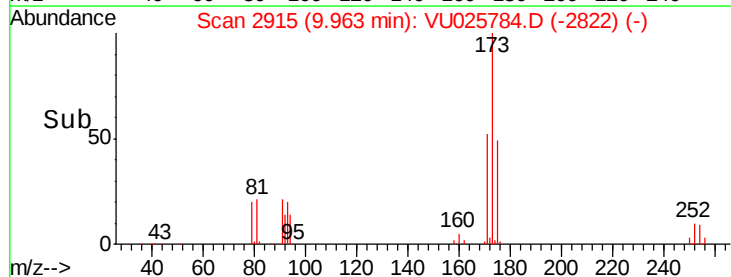
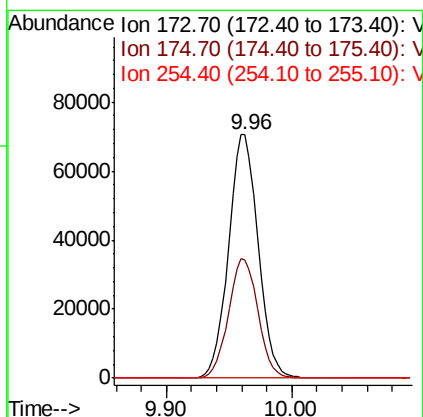
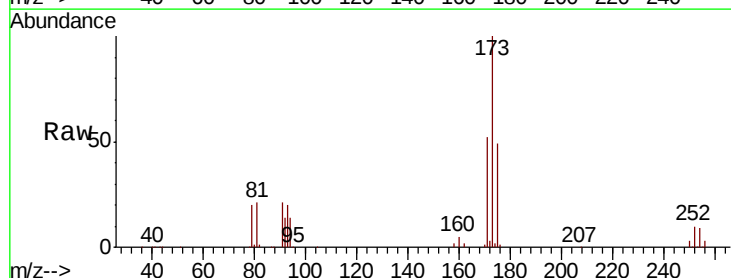
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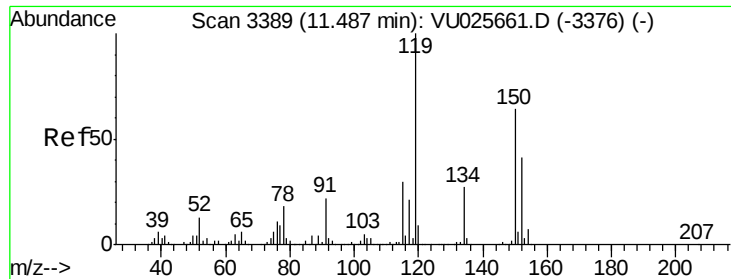
MMDadoda
8/2/2018 9:45:11 AM



#71
Bromoform
Concen: 51.545 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	115850		
175	48.8		24.0	72.0
254	0.1		0.0	0.0#





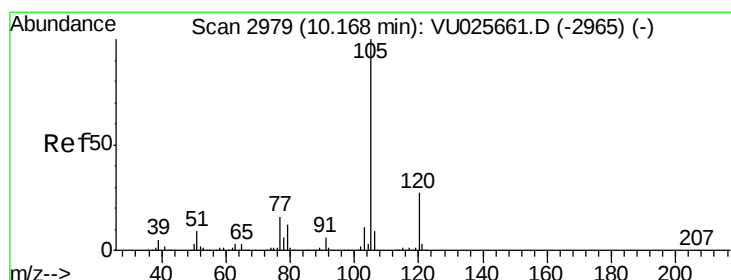
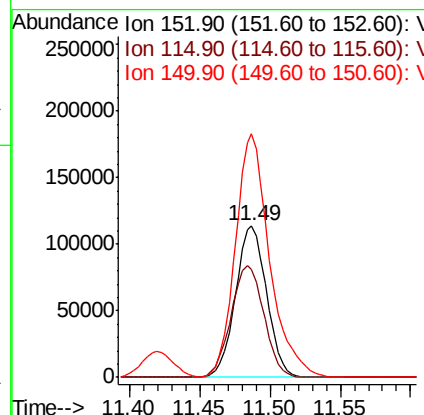
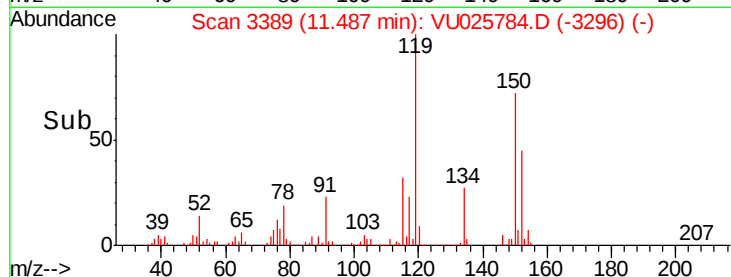
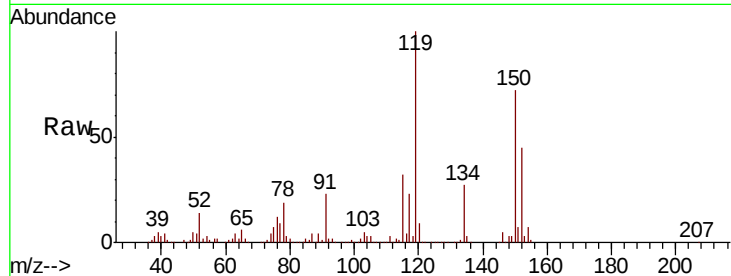
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleID :
 GW-03MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	78.4	40.1	120.3
150	176.7	0.0	351.4

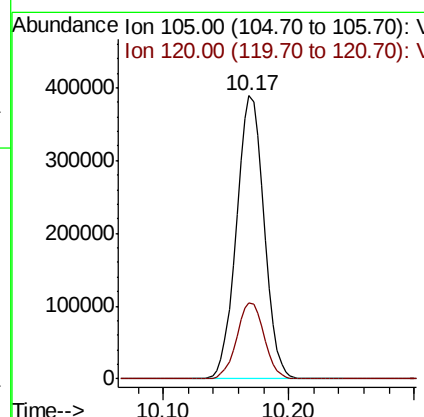
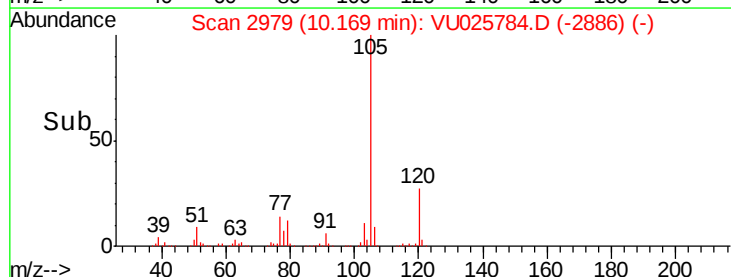
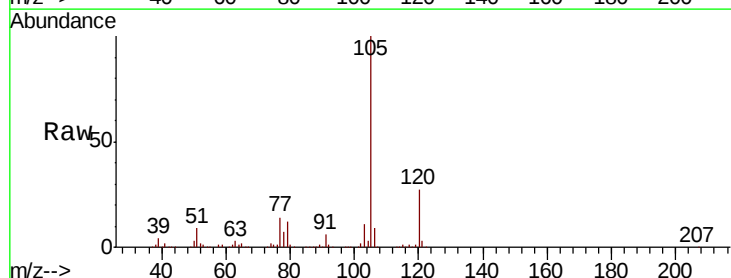
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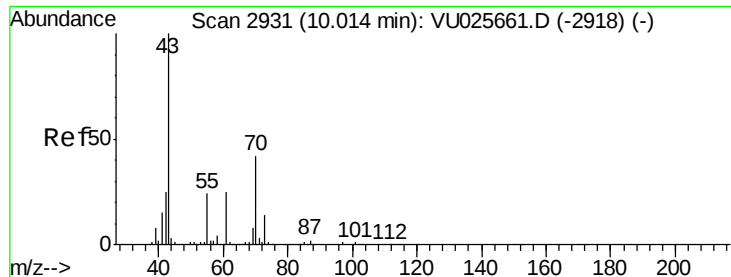
MMDadoda
 8/2/2018 9:45:11 AM



#73
 Isopropylbenzene
 Concen: 49.552 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.5





#74

N-amvl acetate

Concen: 50.352 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

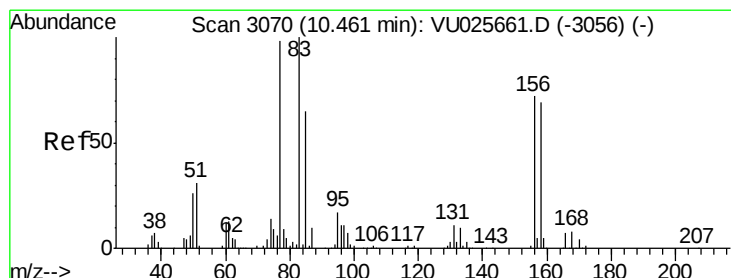
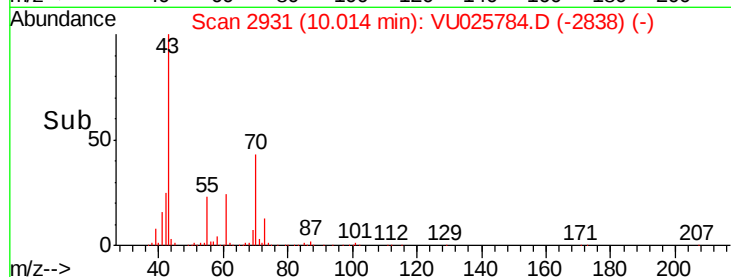
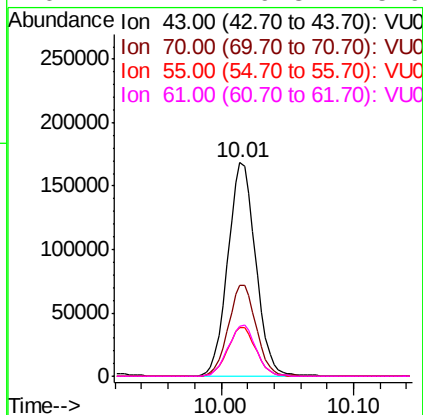
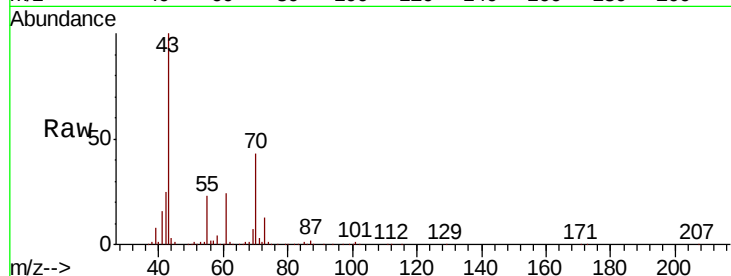
ClientSampleId :

GW-03MS

Tot Ion:	43	Resp:	245847
Ion	Ratio	Lower	Upper
43	100		
70	42.8	33.4	50.2
55	23.5	19.0	28.6
61	24.1	19.3	28.9

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.660 ug/l

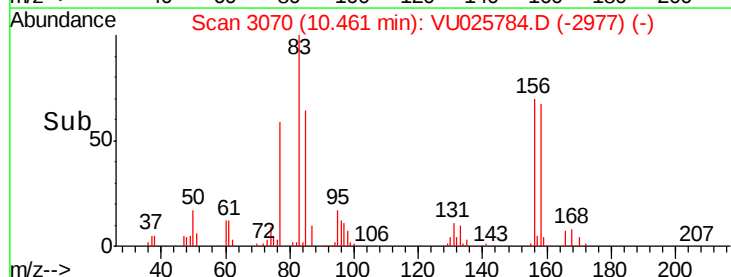
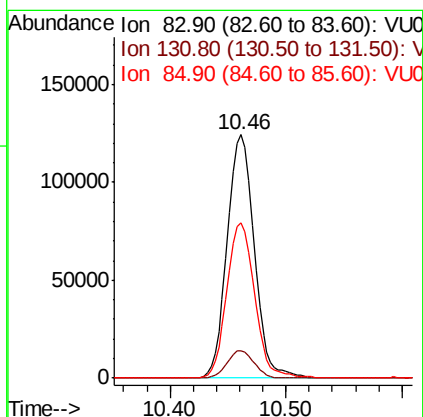
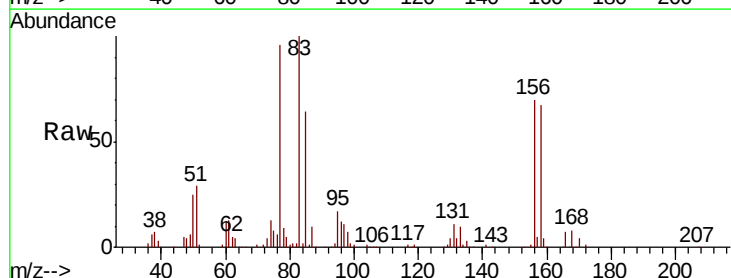
RT: 10.46 min Scan# 3070

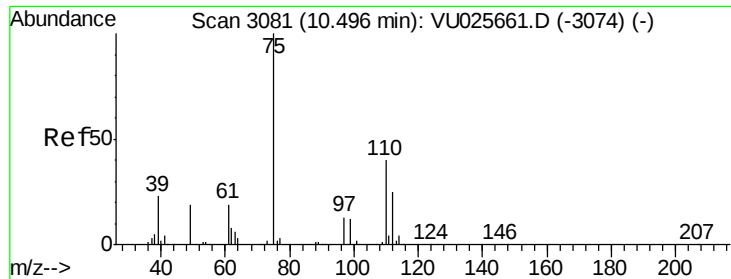
Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Tgt Ion:	83	Resp:	201252
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	65.4	31.6	94.8





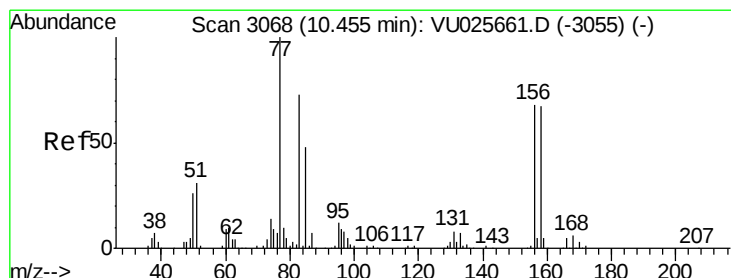
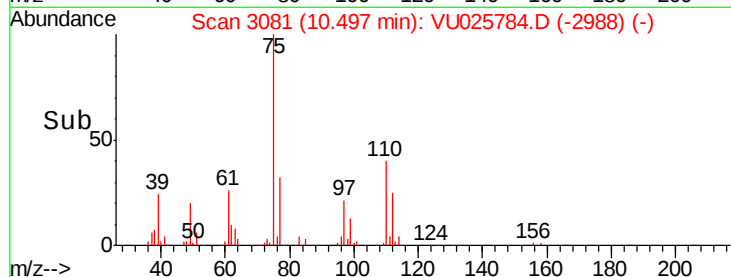
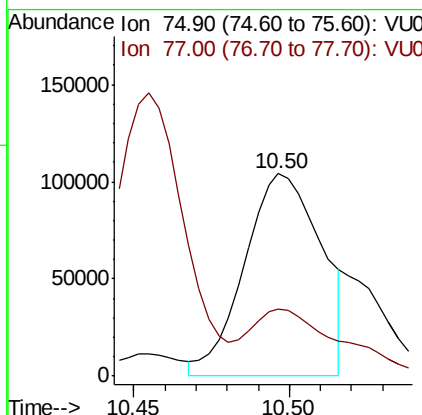
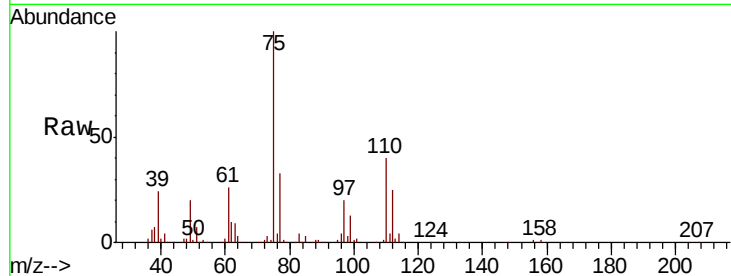
#76
 1,2,3-Trichloropropane
 Concen: 46.546 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MS

Tot Ion: 75 Resp: 179709
 Ion Ratio Lower Upper
 75 100
 77 40.3 20.4 61.3

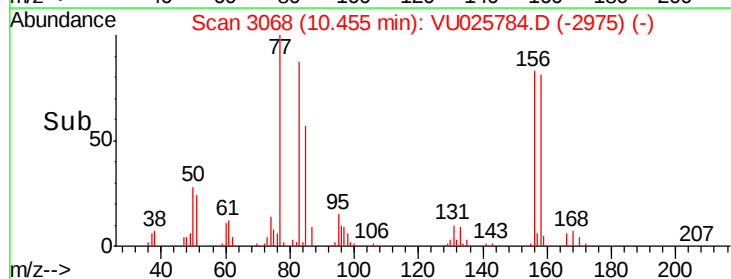
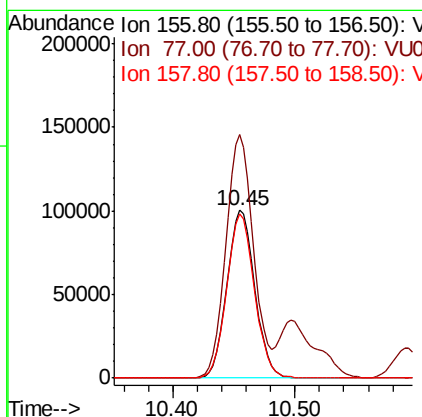
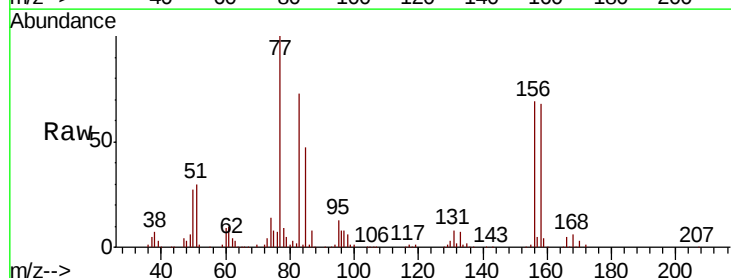
Manual Integrations
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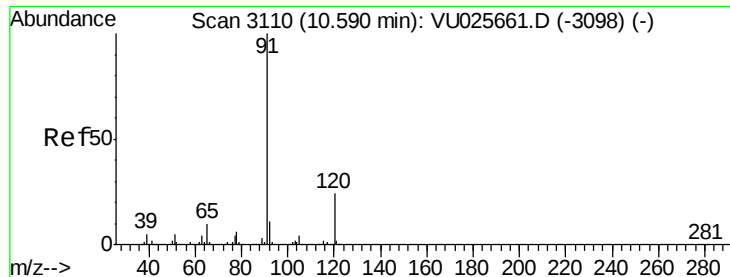
MMDadoda
 8/2/2018 9:45:11 AM



#77
 Bromobenzene
 Concen: 48.778 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion: 156 Resp: 160914
 Ion Ratio Lower Upper
 156 100
 77 143.9 73.8 221.4
 158 97.3 48.0 144.0





#78

n-propylbenzene

Concen: 48.732 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampled :

GW-03MS

Tot Ion: 91 Resp: 680264

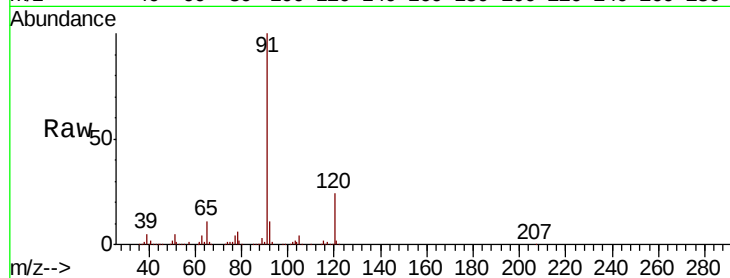
Ion Ratio Lower Upper

91 100

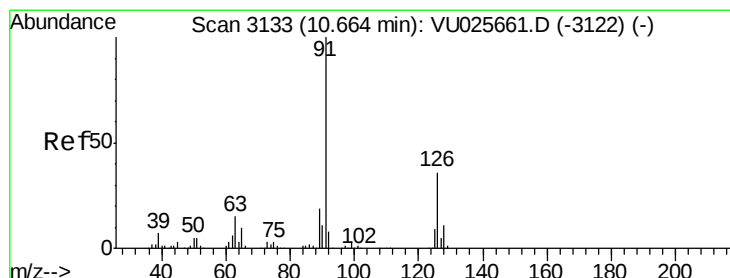
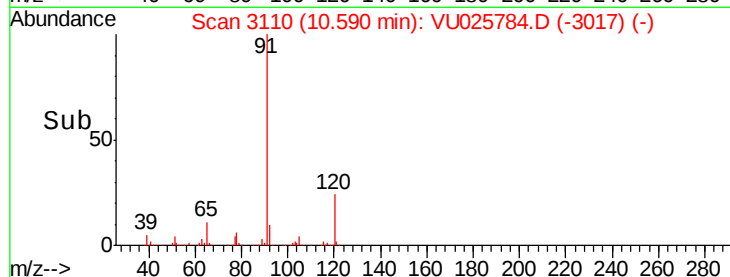
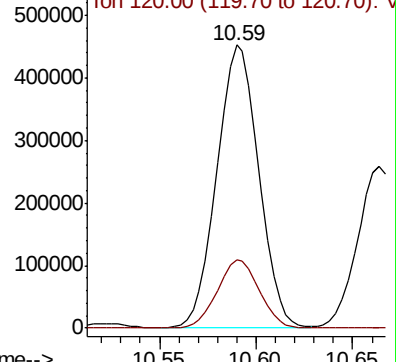
120 24.1 11.8 35.3

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8/2/2018 9:45:11 AM



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3098) (-)



#79

2-Chlorotoluene

Concen: 48.789 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025784.D

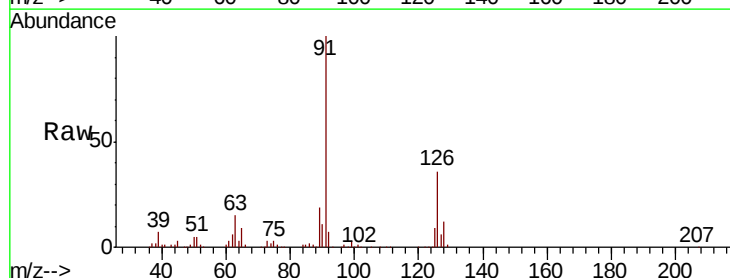
Acq: 01 Aug 2018 18:16

Tgt Ion: 91 Resp: 398909

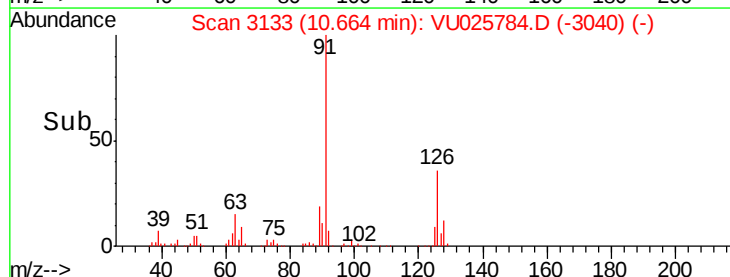
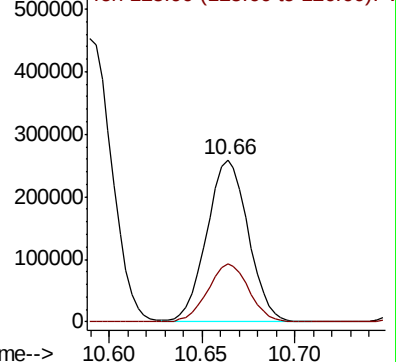
Ion Ratio Lower Upper

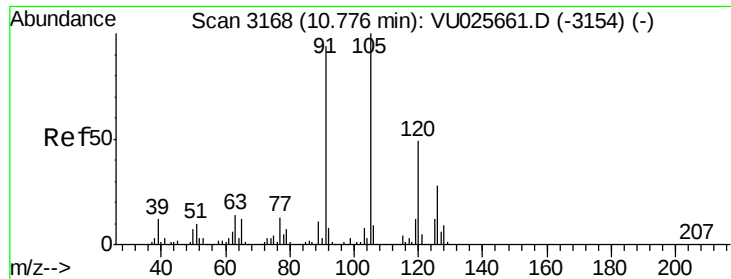
91 100

126 35.8 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3122) (-)





#80

1,3,5-Trimethylbenzene

Concen: 49.244 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

GW-03MS

Tot Ion:105 Resp: 500188

Ion Ratio Lower Upper

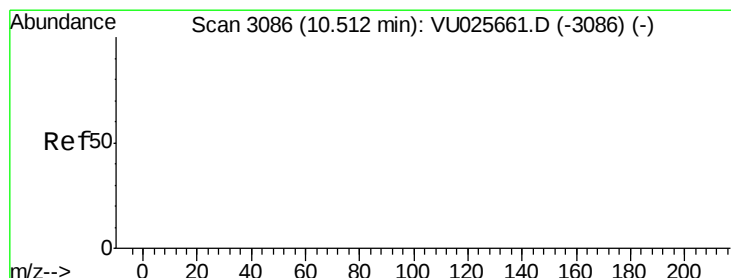
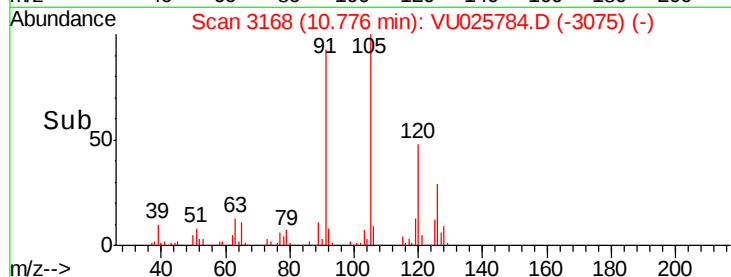
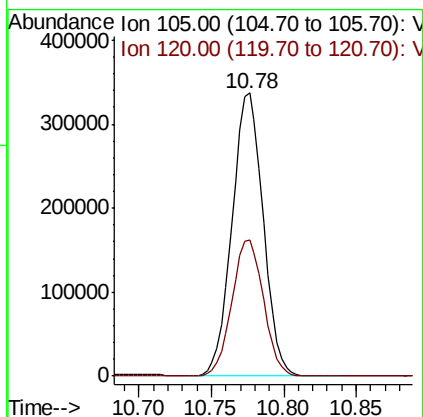
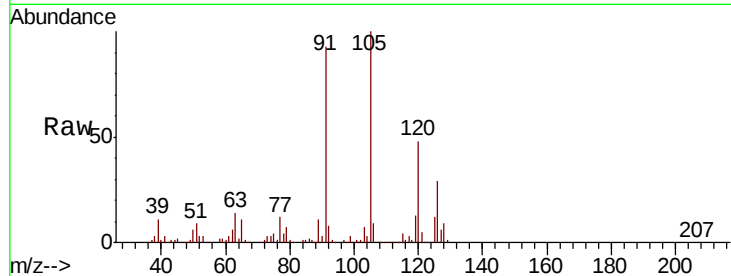
105 100

120 48.9 24.1 72.2

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8/2/2018 9:45:11 AM



#81

trans-1,4-Dichloro-2-butene

Concen: 32.889 ug/l m

RT: 10.52 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

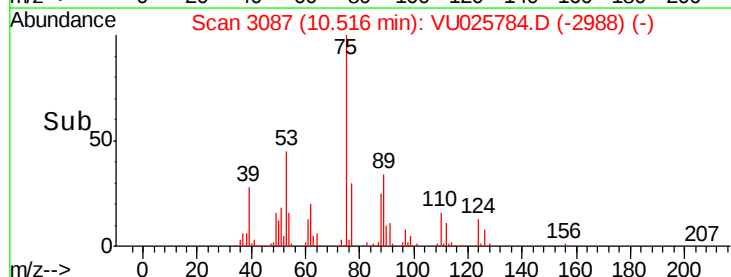
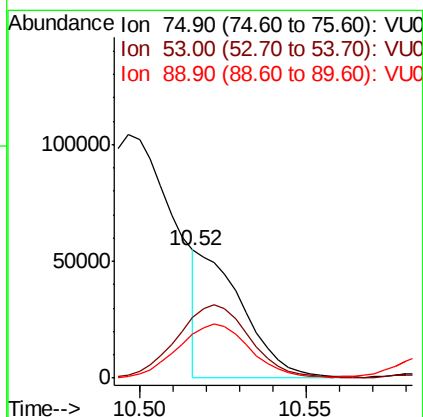
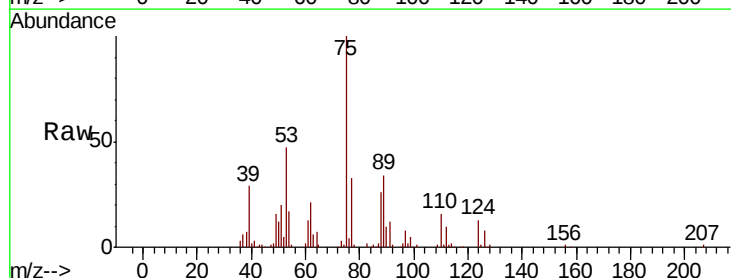
Tgt Ion: 75 Resp: 50641

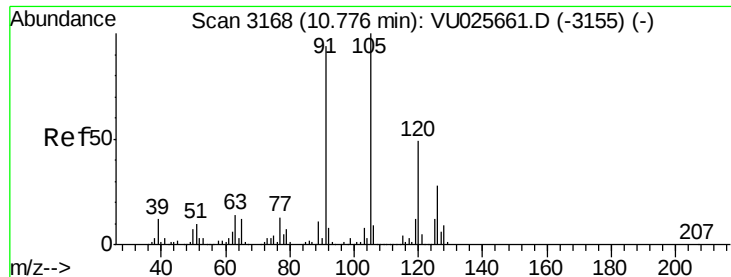
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





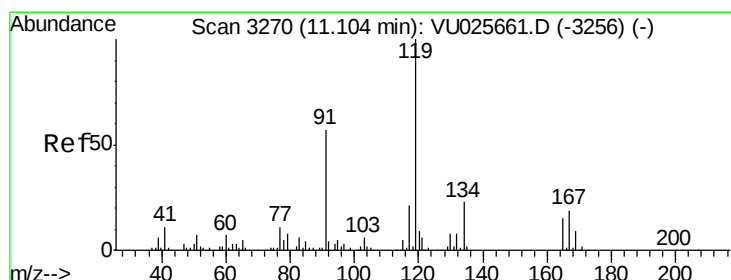
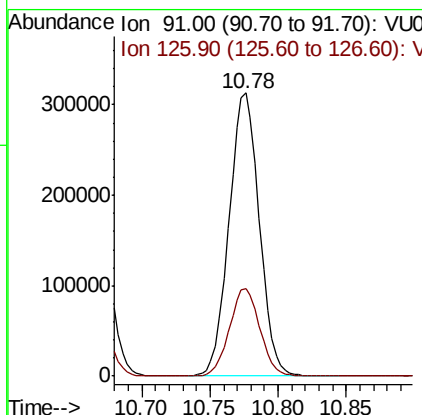
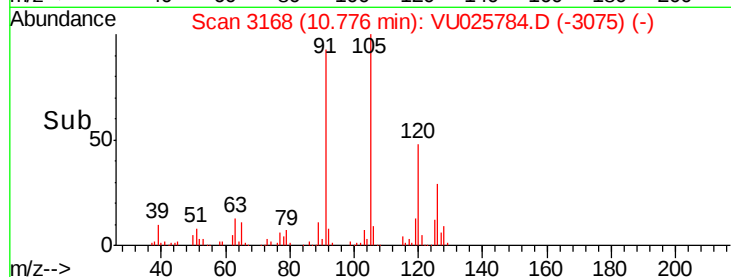
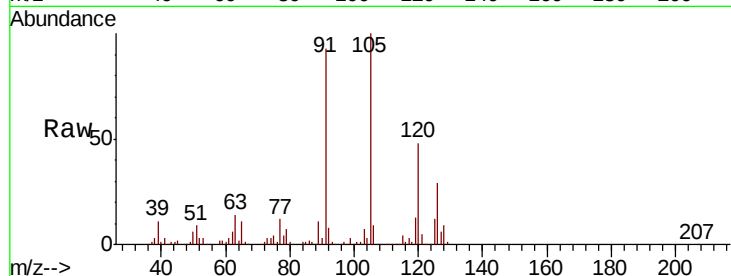
#82
4-Chlorotoluene
Concen: 49.802 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100	479990		
126	31.4	15.3	45.9	

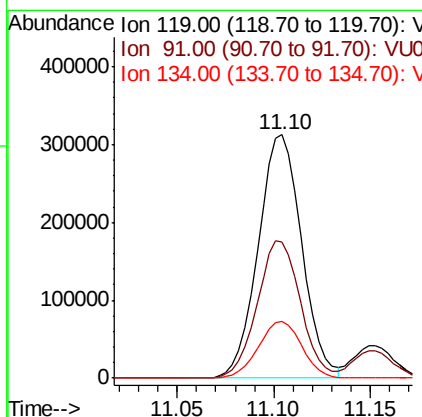
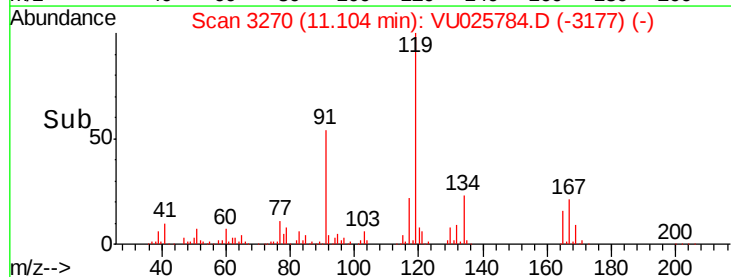
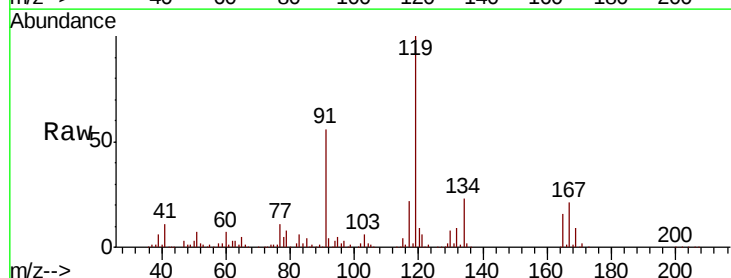
Manual Integrations
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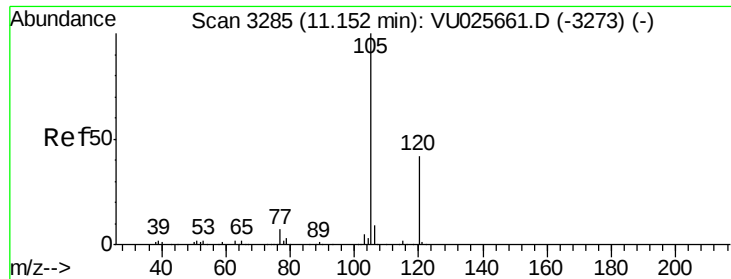
MMDadoda
8/2/2018 9:45:11 AM



#83
tert-Butylbenzene
Concen: 48.521 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	489673		
91	55.9	29.7	89.1	
134	23.4	11.5	34.5	





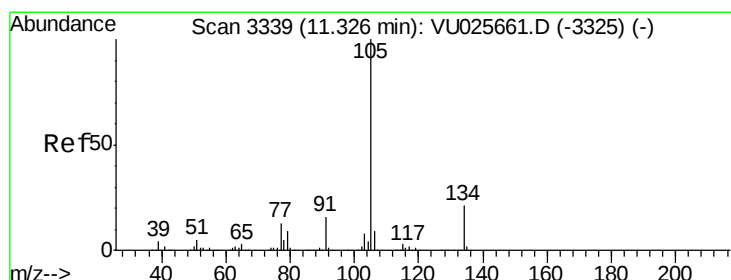
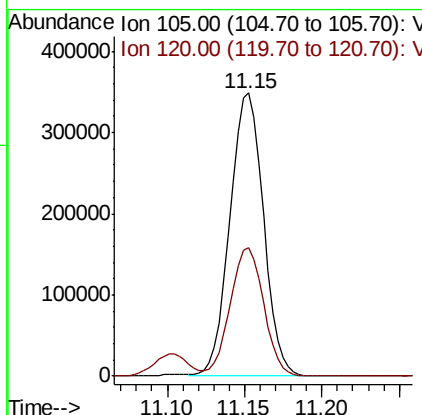
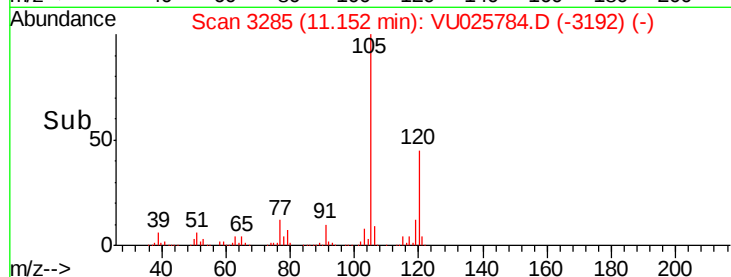
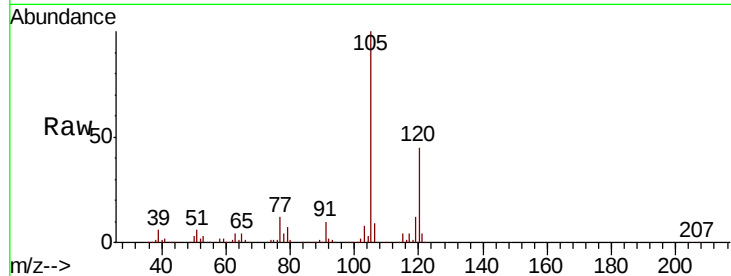
#84
 1,2,4-Trimethylbenzene
 Concen: 50.934 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.3	66.8

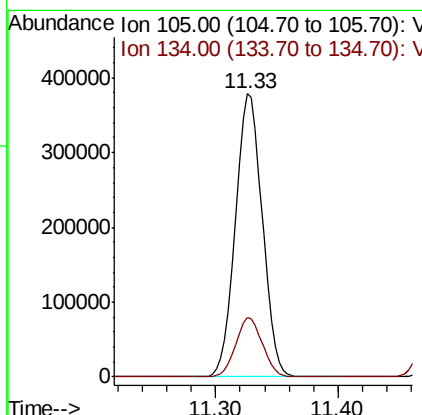
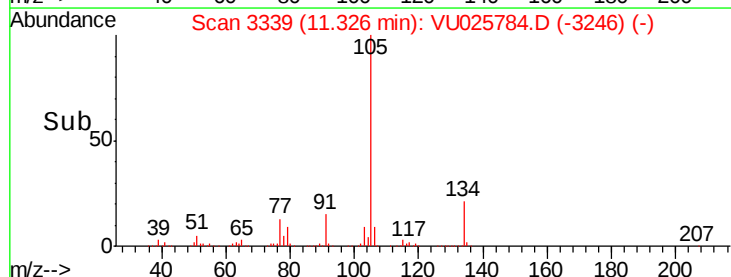
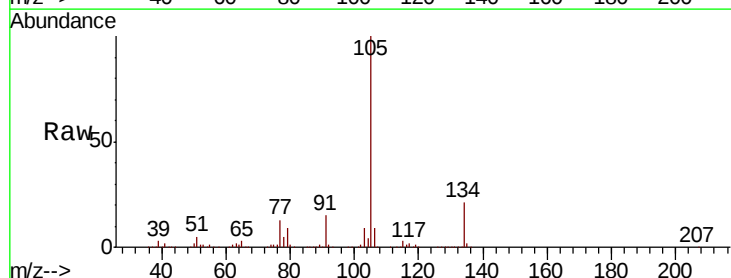
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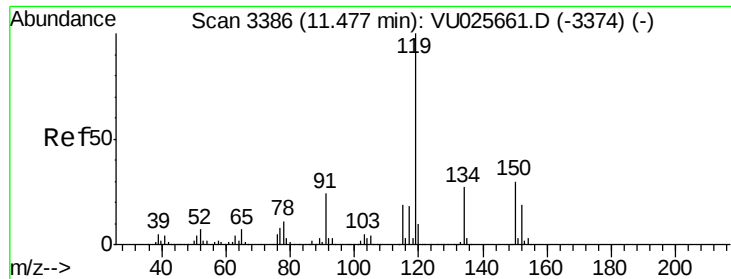
MMDadoda
 8/2/2018 9:45:11 AM



#85
 sec-Butylbenzene
 Concen: 46.851 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.8





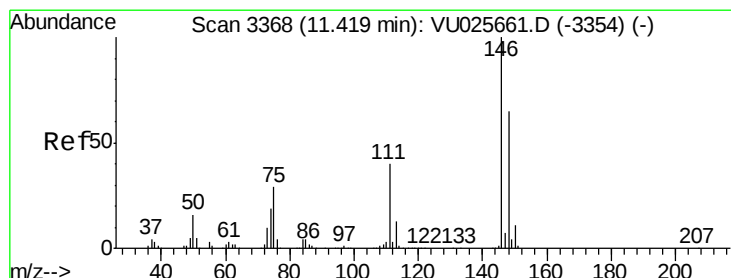
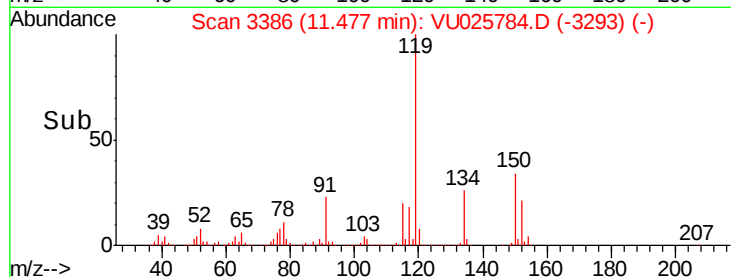
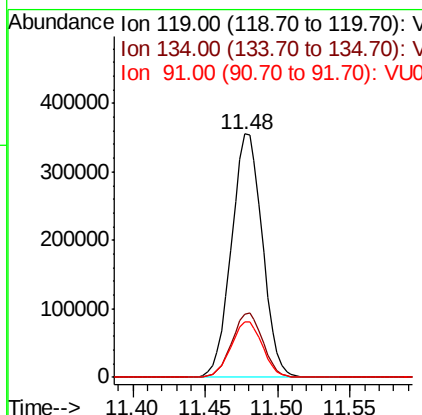
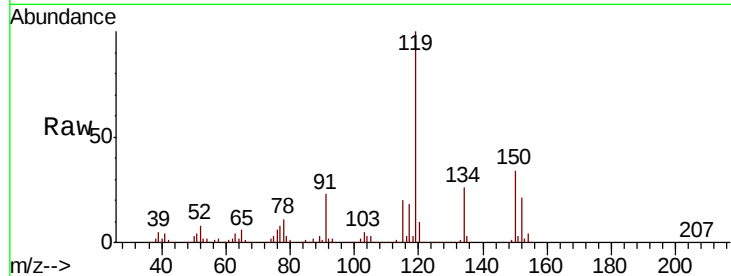
#86
 p-Isopropyltoluene
 Concen: 47.671 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	525953		
134	26.4		13.2	39.5
91	23.2		12.0	36.1

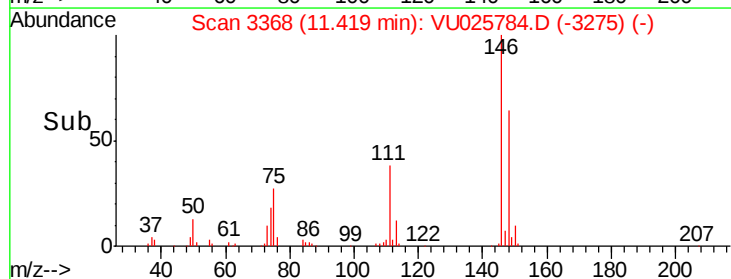
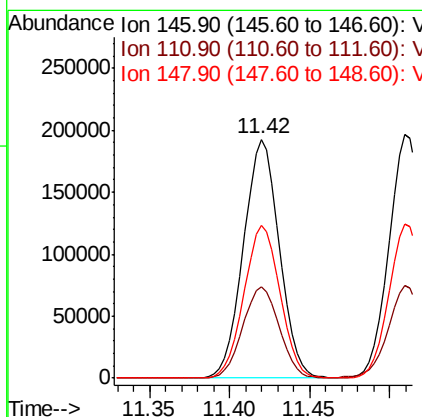
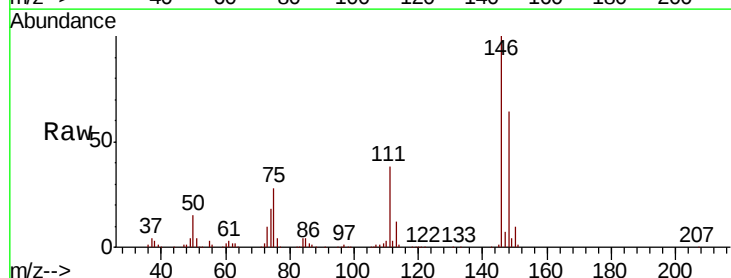
Manual Integrations
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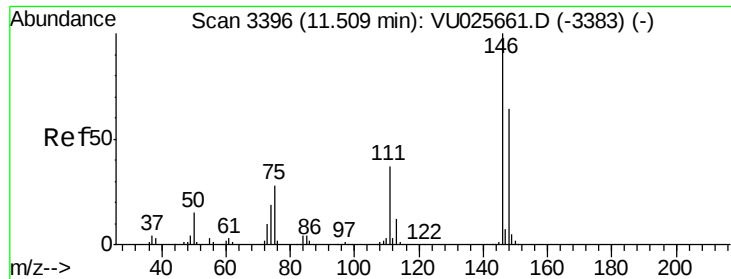
MMDadoda
 8/2/2018 9:45:11 AM



#87
 1,3-Dichlorobenzene
 Concen: 48.175 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	294991		
111	38.9		19.7	59.1
148	64.4		32.1	96.3





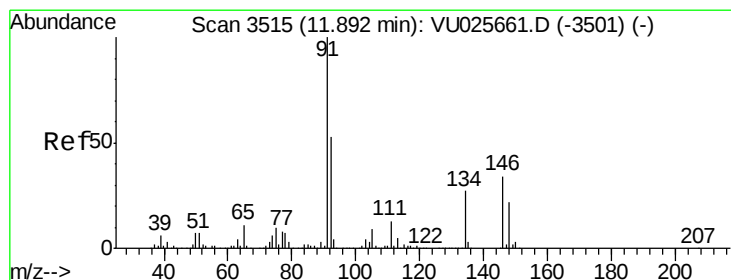
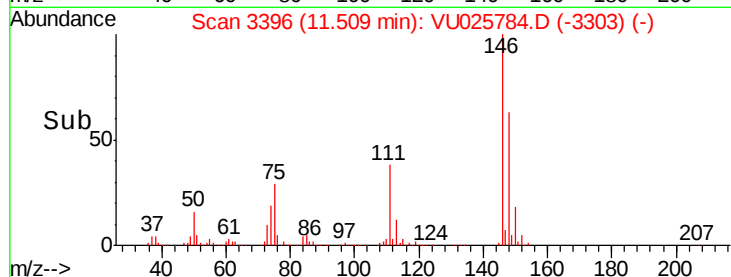
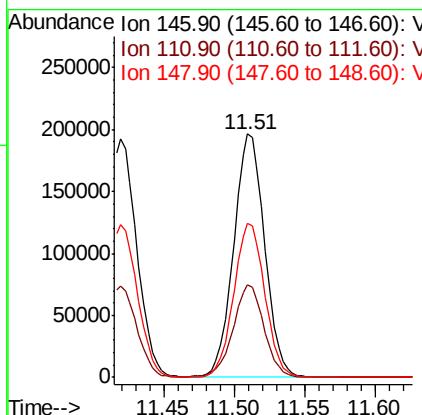
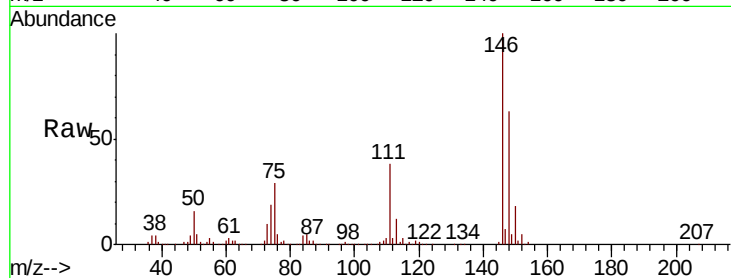
#88
 1,4-Dichlorobenzene
 Concen: 47.298 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampled :
 GW-03MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	63.7	31.7	95.1

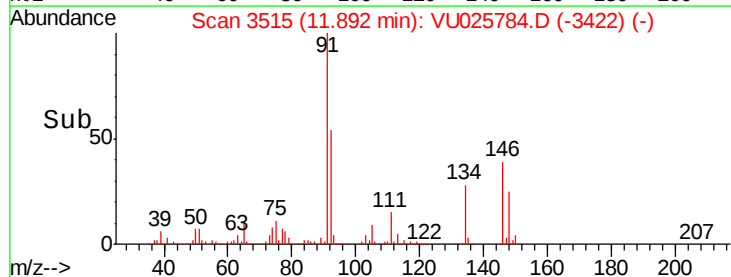
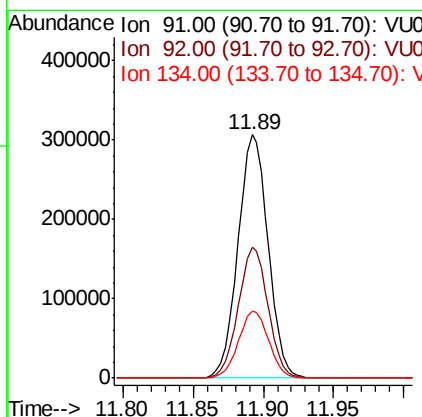
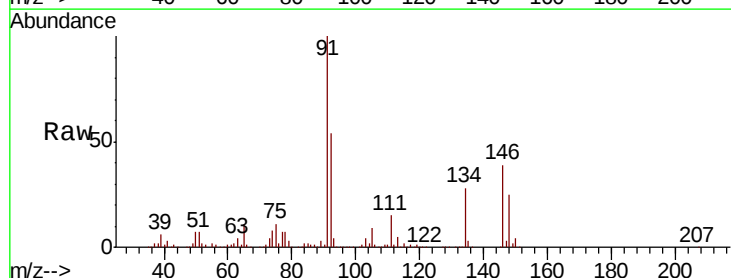
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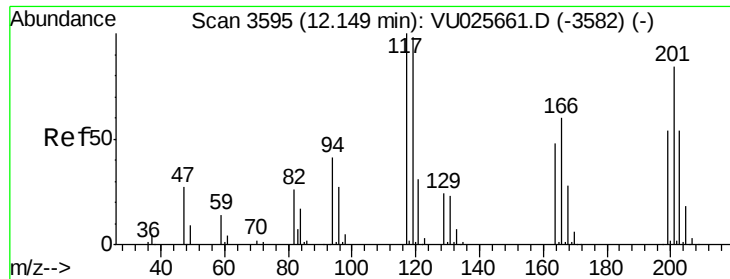
MMDadoda
 8/2/2018 9:45:11 AM



#89
 n-Butylbenzene
 Concen: 45.034 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	27.6	13.6	40.7





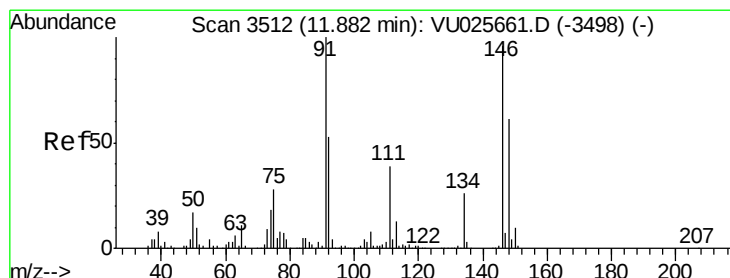
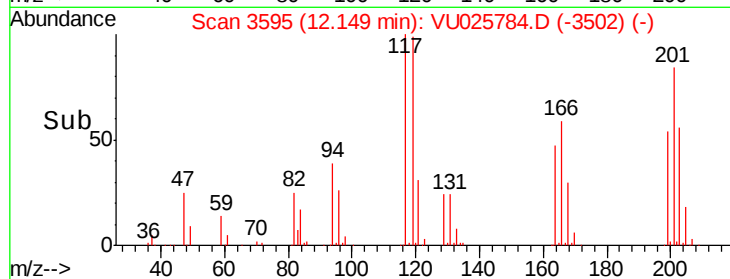
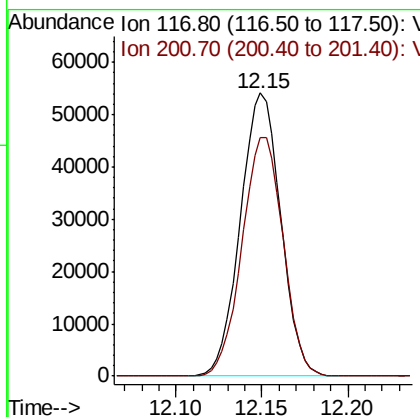
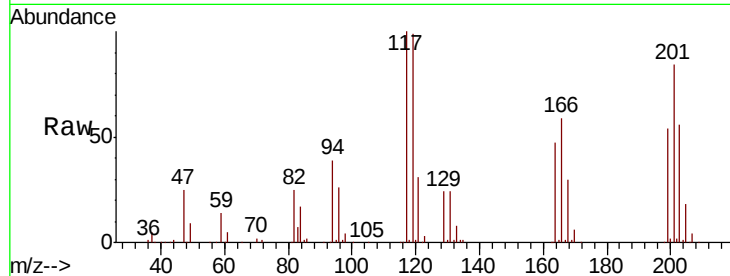
#90
Hexachloroethane
Concen: 44.874 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Instrument :
MSVOA_U
ClientSampleId :
GW-03MS

Tot Ion:117 Resp: 88025
Ion Ratio Lower Upper
117 100
201 85.8 42.5 127.6

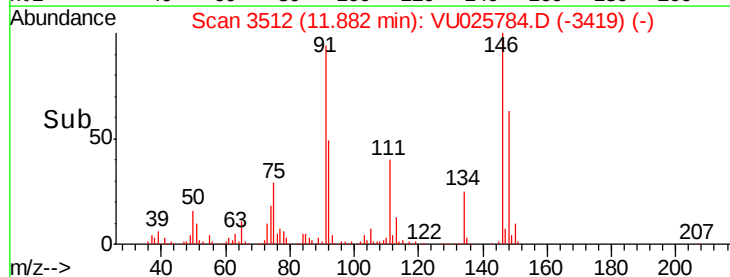
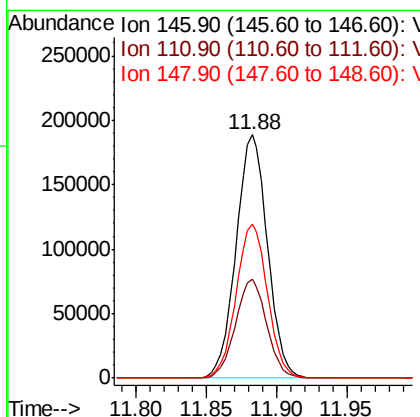
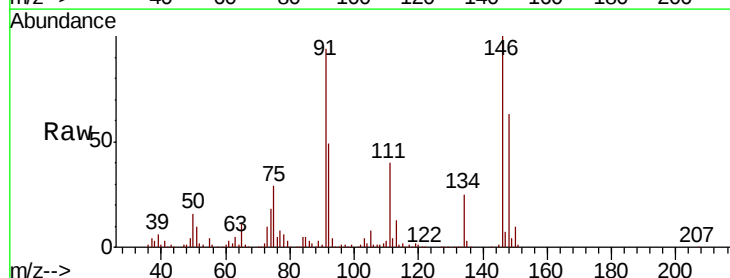
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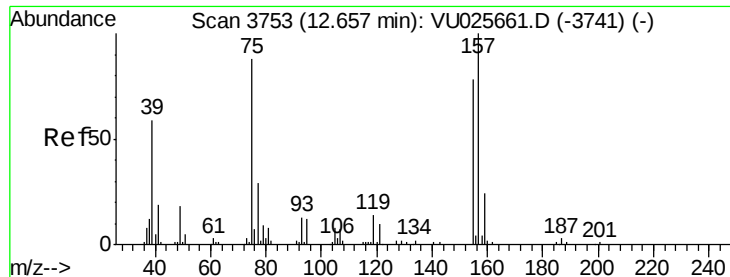
MMDadoda
8/2/2018 9:45:11 AM



#91
1,2-Dichlorobenzene
Concen: 49.022 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025784.D
Acq: 01 Aug 2018 18:16

Tgt Ion:146 Resp: 294229
Ion Ratio Lower Upper
146 100
111 40.4 20.6 61.8
148 63.4 31.5 94.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.567 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

GW-03MS

Tot Ion: 75 Resp: 51543

Ion Ratio Lower Upper

75 100

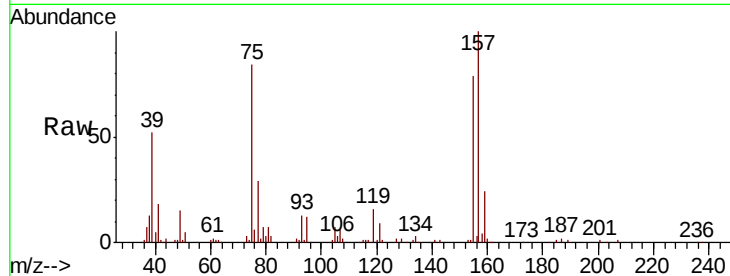
155 92.1 44.5 133.3

157 118.5 57.0 170.8

Manual Integrations
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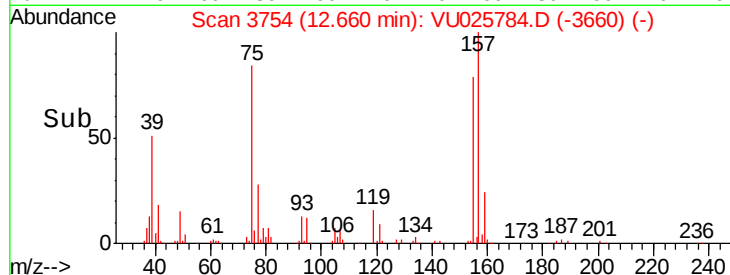


Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3741) (-)

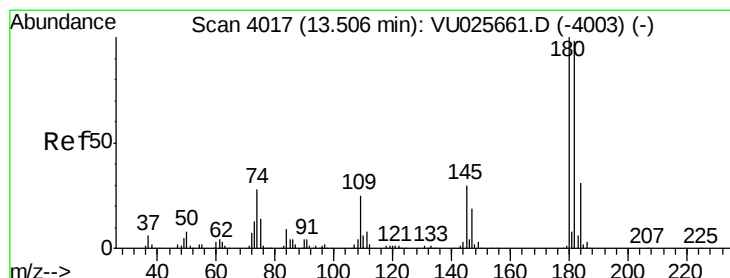
Ion 154.80 (154.50 to 155.50): VU025661.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU025661.D (-3741) (-)

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 50.548 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

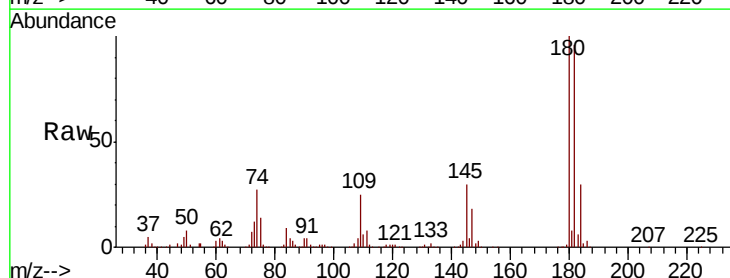
Tgt Ion: 180 Resp: 204762

Ion Ratio Lower Upper

180 100

182 95.8 47.3 141.9

145 29.8 14.9 44.7

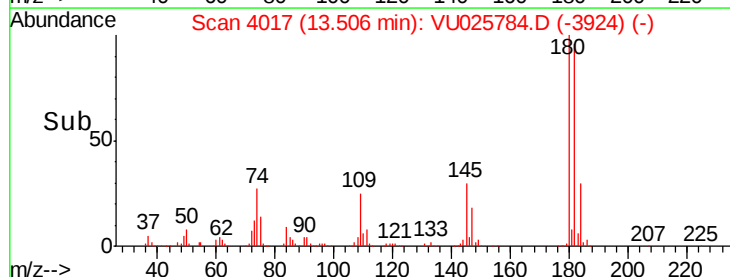


Abundance Ion 179.80 (179.50 to 180.50): VU025661.D (-4003) (-)

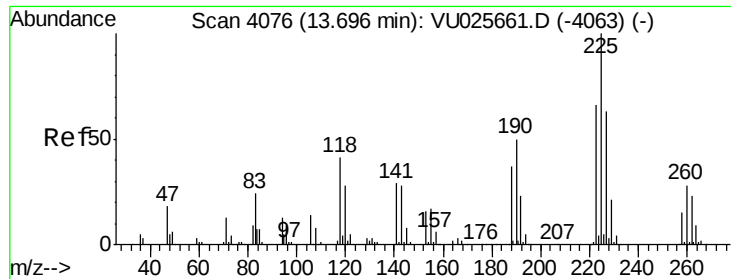
Ion 181.80 (181.50 to 182.50): VU025661.D (-4003) (-)

Ion 144.80 (144.50 to 145.50): VU025661.D (-4003) (-)

Time-->



Time-->



#94

Hexachlorobutadiene

Concen: 37.842 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025784.D

Acq: 01 Aug 2018 18:16

Instrument :

MSVOA_U

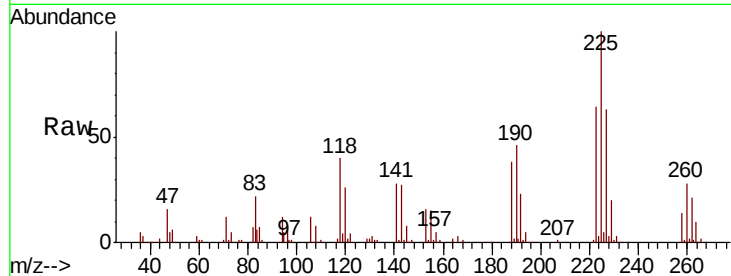
ClientSampleId :

GW-03MS

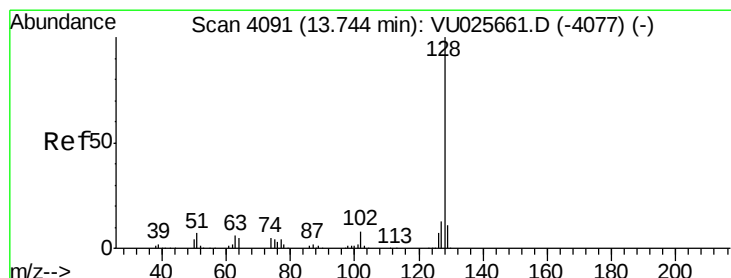
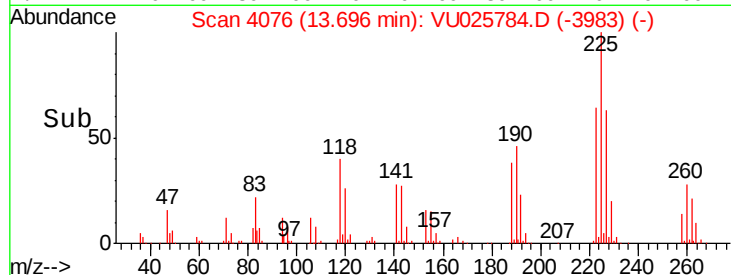
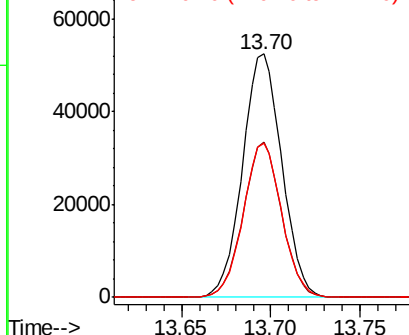
Tot Ion:	225	Resp:	80807
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.9	95.7
227	61.8	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:45:11 AM



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



#95

Naphthalene

Concen: 88.557 ug/l

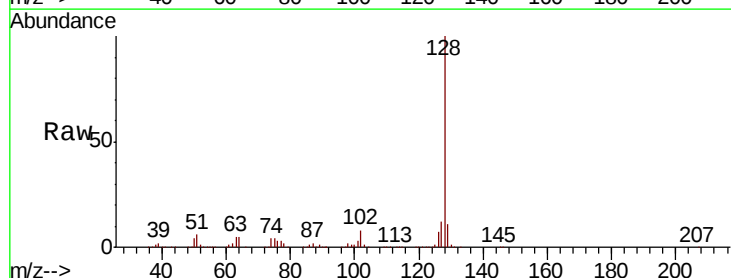
RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

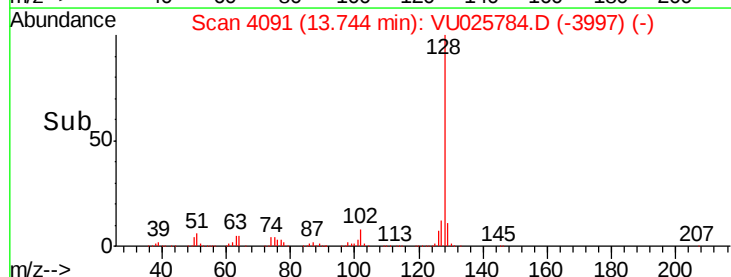
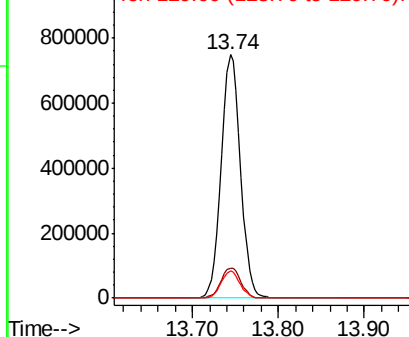
Lab File: VU025784.D

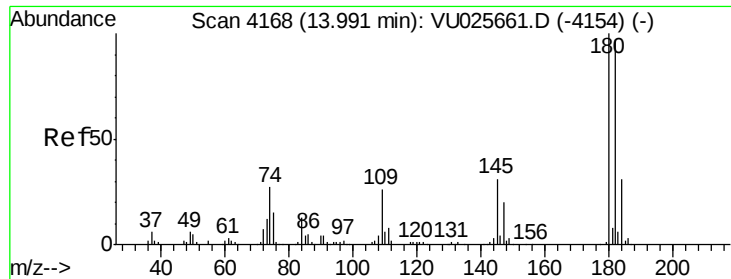
Acq: 01 Aug 2018 18:16

Tgt Ion:	128	Resp:	1165154
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.9	8.3	12.5



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





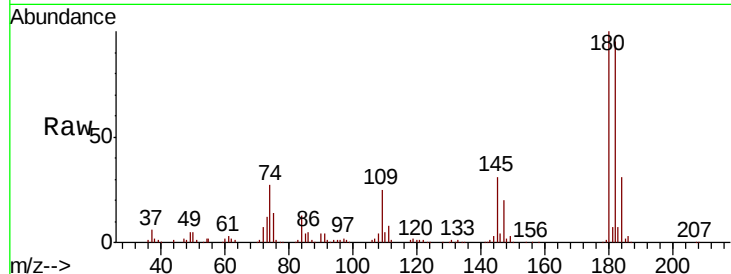
#96
 1,2,3-Trichlorobenzene
 Concen: 51.311 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU025784.D
 Acq: 01 Aug 2018 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.3	47.8	143.3
145	31.5	15.6	46.8

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:45:11 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

