

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025764.D
 Acq On : 01 Aug 2018 10:10
 Operator : MD/SY
 Sample : VU0801WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:41:24 AM

Quant Time: Aug 02 03:26:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	106933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159132	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	153586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	94234	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	133988	80.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.84%	
35) Dibromofluoromethane	4.89	113	109258	78.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.88%	
50) Toluene-d8	7.57	98	376908	77.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.64%	
62) 4-Bromofluorobenzene	10.31	95	143569	76.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	52629	32.564	ug/l	100
3) Chloromethane	1.33	50	48212	31.210	ug/l	100
4) Vinyl Chloride	1.40	62	44353	30.510	ug/l	96
5) Bromomethane	1.63	94	23783	33.496	ug/l	95
6) Chloroethane	1.70	64	25658	30.184	ug/l	99
7) Trichlorofluoromethane	1.89	101	65756	31.285	ug/l	100
8) Diethyl Ether	2.10	74	23460	30.848	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38302	31.489	ug/l	99
10) Methyl Iodide	2.41	142	31537	31.614	ug/l	97
11) Tert butyl alcohol	2.83	59	58659	160.807	ug/l	97
12) 1,1-Dichloroethene	2.28	96	35830	31.207	ug/l	95
13) Acrolein	2.19	56	29791	225.307	ug/l	98
14) Allyl chloride	2.59	41	62375	30.230	ug/l	98
15) Acrylonitrile	2.94	53	121010	166.151	ug/l	98
16) Acetone	2.32	43	122463	150.759	ug/l	99
17) Carbon Disulfide	2.48	76	109680	29.517	ug/l	98
18) Methyl Acetate	2.62	43	75657	38.697	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	135493	32.565	ug/l	98
20) Methylene Chloride	2.70	84	42673	29.642	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	40438	30.468	ug/l	98
22) Diisopropyl ether	3.58	45	132237	32.523	ug/l	92
23) Vinyl Acetate	3.53	43	559627	157.935	ug/l	99
24) 1,1-Dichloroethane	3.45	63	77878	31.908	ug/l	100
25) 2-Butanone	4.27	43	175918	159.090	ug/l	97
26) 2,2-Dichloropropane	4.23	77	69225	31.204	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	46605	31.145	ug/l	99
28) Bromochloromethane	4.55	49	35673	32.689	ug/l	99
29) Tetrahydrofuran	4.64	42	106888	161.344	ug/l	99
30) Chloroform	4.68	83	81093	31.477	ug/l	99
31) Cyclohexane	5.00	56	63671	29.433	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	74343	32.051	ug/l	98
36) 1,1-Dichloropropene	5.14	75	56222	30.231	ug/l	98
37) Ethyl Acetate	4.38	43	63023	32.683	ug/l	98
38) Carbon Tetrachloride	5.14	117	63607	30.197	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	64215	30.136	ug/l	96
40) Benzene	5.39	78	170294	31.327	ug/l	98
41) Methacrylonitrile	4.55	41	35941	33.557	ug/l	98
42) 1,2-Dichloroethane	5.41	62	67435	32.217	ug/l	100
43) Isopropyl Acetate	5.55	43	102634	32.209	ug/l	99
44) Trichloroethene	6.19	130	46869	30.960	ug/l	99
45) 1,2-Dichloropropane	6.44	63	44918	31.683	ug/l	98
46) Dibromomethane	6.56	93	31829	30.984	ug/l	96
47) Bromodichloromethane	6.76	83	63338	32.323	ug/l	99
48) Methyl methacrylate	6.63	41	51210	32.790	ug/l	98
49) 1,4-Dioxane	6.62	88	25076	659.805	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	327106	163.965	ug/l	100
52) Toluene	7.64	92	106848	31.638	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	70146	31.882	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	73356	32.457	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	45357	32.318	ug/l	96
56) Ethyl methacrylate	8.02	69	64251	32.041	ug/l	98
57) 1,3-Dichloropropane	8.25	76	75581	32.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	120576	136.102	ug/l	99
59) 2-Hexanone	8.36	43	252245	161.301	ug/l	99
60) Dibromochloromethane	8.48	129	51022	30.828	ug/l	98
61) 1,2-Dibromoethane	8.59	107	49879	31.956	ug/l	100
64) Tetrachloroethene	8.23	164	41550	30.735	ug/l	96
65) Chlorobenzene	9.12	112	122034	30.818	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	45198	31.552	ug/l	97
67) Ethyl Benzene	9.25	91	199876	30.473	ug/l	99
68) m/p-Xylenes	9.38	106	160220	63.625	ug/l	98
69) o-Xylene	9.78	106	77913	31.658	ug/l	100
70) Styrene	9.80	104	126132	31.728	ug/l	97
71) Bromoform	9.96	173	39067	31.453	ug/l #	100
73) Isopropylbenzene	10.17	105	206395	32.091	ug/l	99
74) N-amyl acetate	10.01	43	86870	33.085	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	74166	33.346	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	66396m	31.978	ug/l	
77) Bromobenzene	10.45	156	57327	32.315	ug/l	97
78) n-propylbenzene	10.59	91	239659	31.925	ug/l	100
79) 2-Chlorotoluene	10.66	91	144431	32.848	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	178262	32.635	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.52	75	18547m	22.399	ug/l	
82) 4-Chlorotoluene	10.78	91	166480	32.121	ug/l	99
83) tert-Butylbenzene	11.10	119	175130	32.270	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	182053	32.890	ug/l	98
85) sec-Butylbenzene	11.33	105	212244	32.032	ug/l	99
86) p-Isopropyltoluene	11.48	119	188946	31.846	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	101897	30.945	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	104025	30.306	ug/l	100
89) n-Butylbenzene	11.89	91	160739	29.358	ug/l	99
90) Hexachloroethane	12.15	117	33984	32.216	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	103945	32.204	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17326	32.859	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	67259	30.875	ug/l	99
94) Hexachlorobutadiene	13.70	225	33014	28.750	ug/l	98
95) Naphthalene	13.75	128	207412	30.151	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	70786	32.574	ug/l	98

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

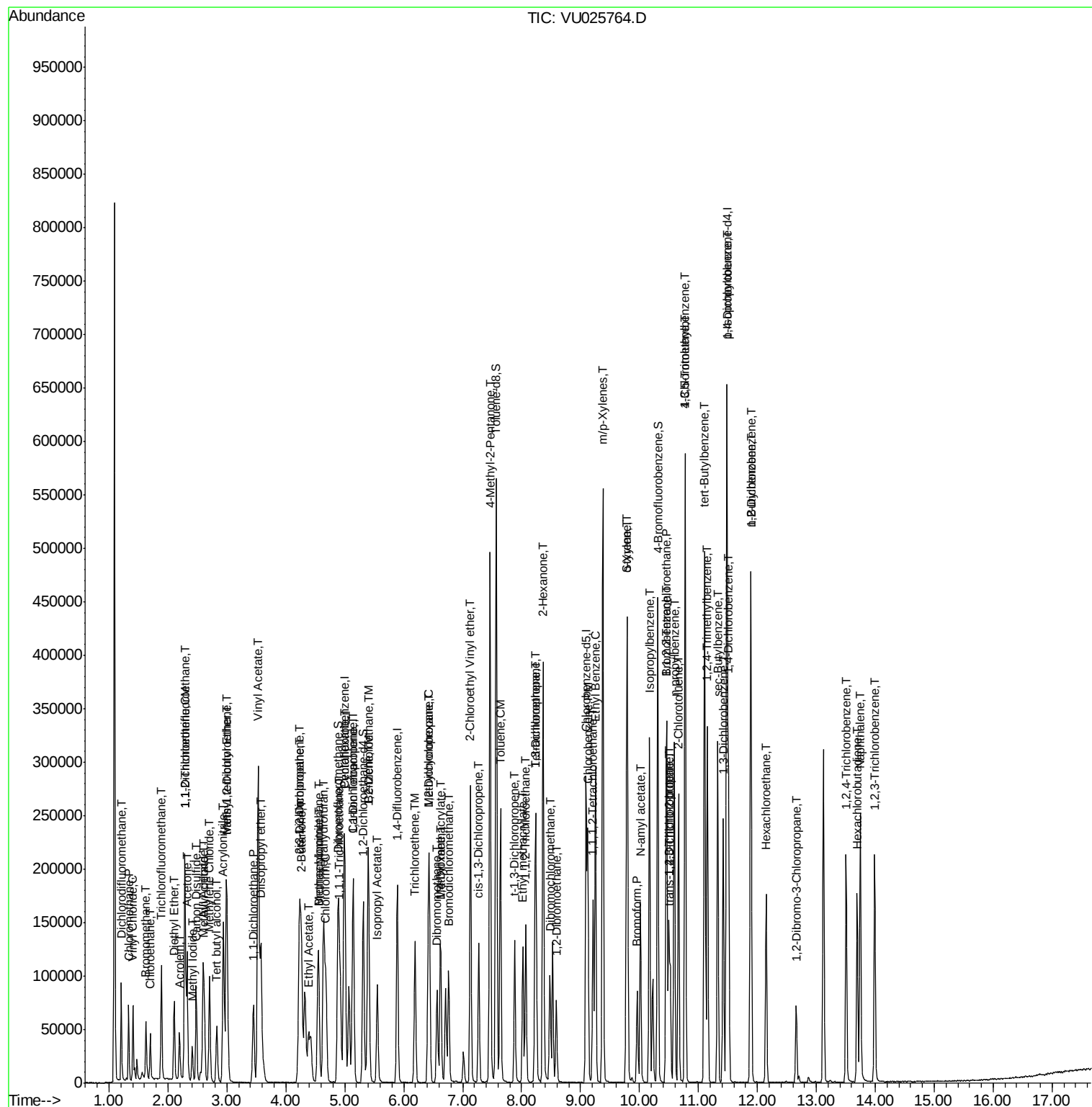
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Data File : VU025764.D
Acq On : 01 Aug 2018 10:10
Operator : MD/SY
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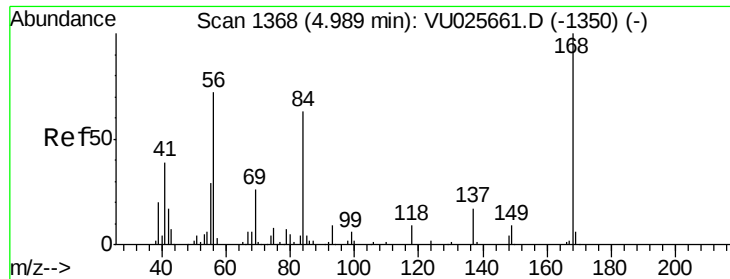
Instrument :
MSVOA_U
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD02

Tot Ion:168 Resp: 106933

Ion Ratio Lower Upper

168 100

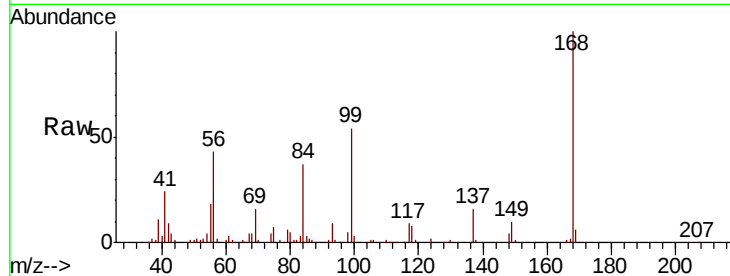
99 54.1 42.8 64.2

Manual Integrations

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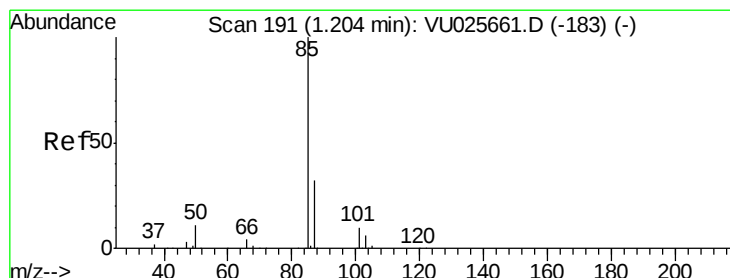
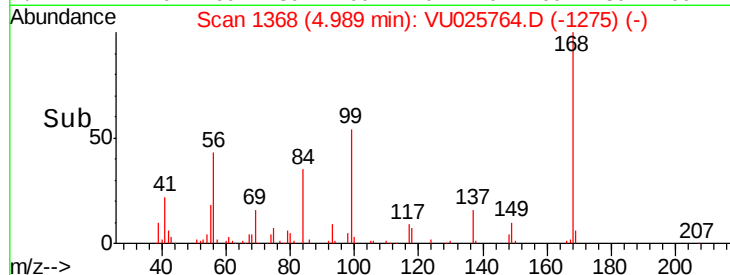
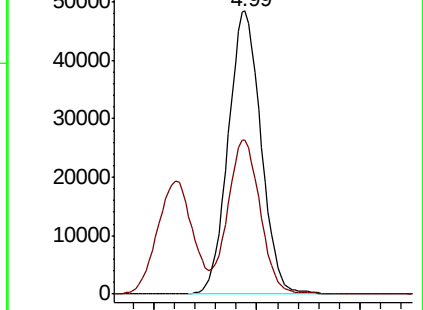
MMDadoda

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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) (-)



#2

Dichlorodifluoromethane

Concen: 32.564 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025764.D

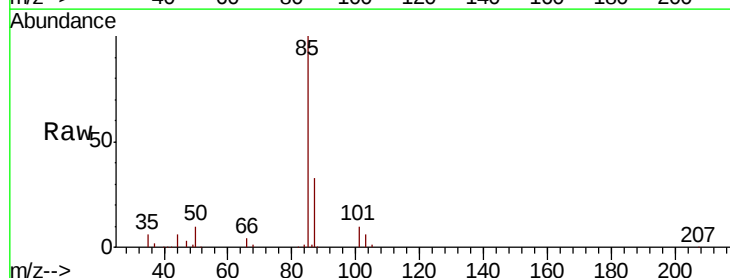
Acq: 01 Aug 2018 10:10

Tgt Ion: 85 Resp: 52629

Ion Ratio Lower Upper

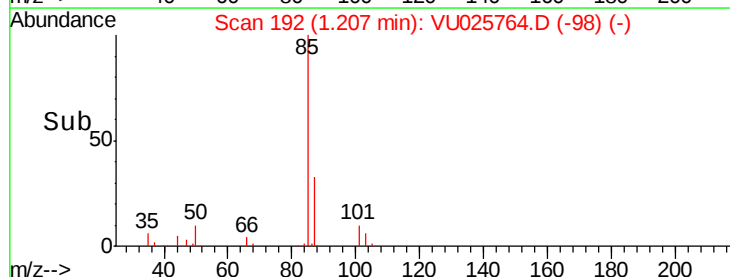
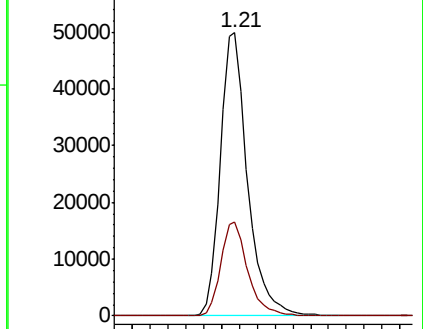
85 100

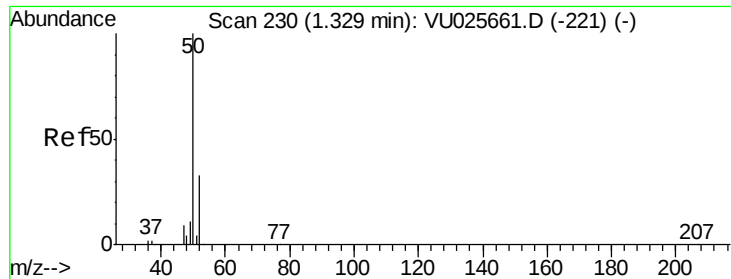
87 33.1 16.5 49.5



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

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





#3

Chloromethane

Concen: 31.210 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleID :

VU0801WBSD02

Tot Ion: 50 Resp: 48212

Ion Ratio Lower Upper

50 100

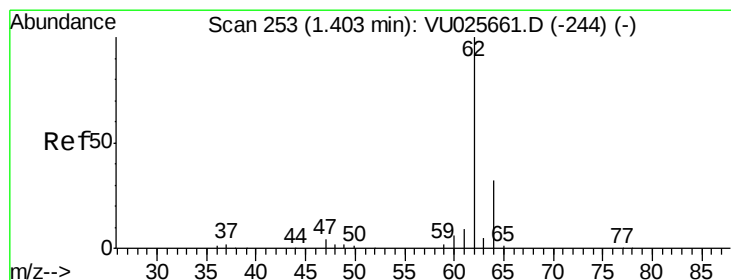
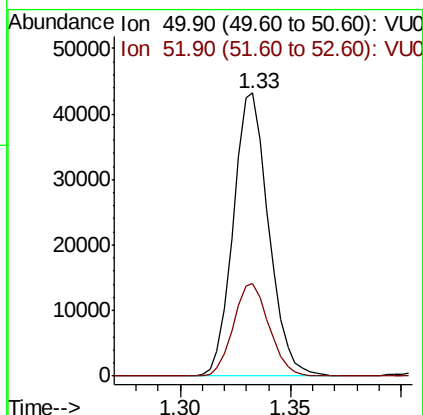
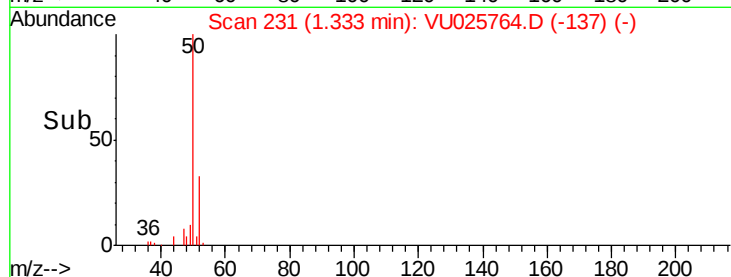
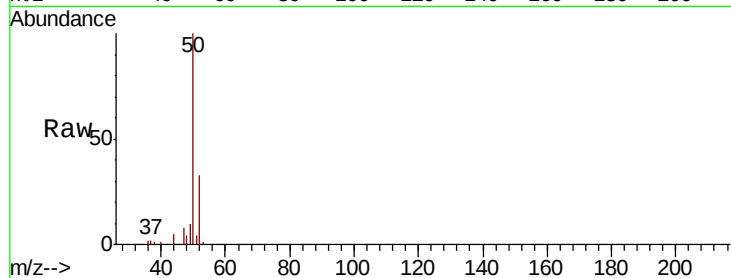
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 30.510 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025764.D

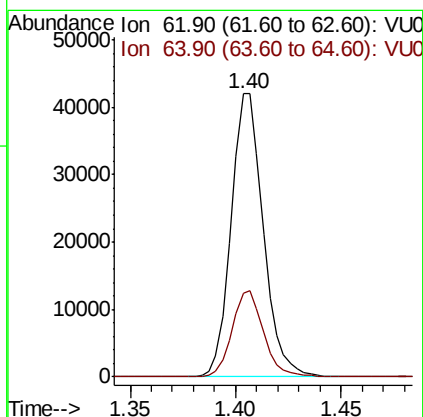
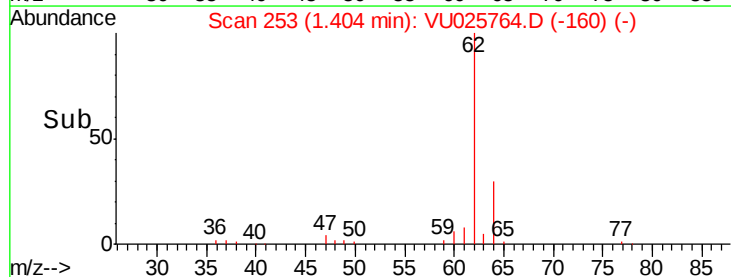
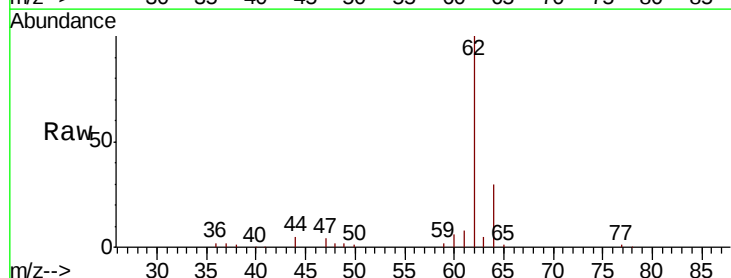
Acq: 01 Aug 2018 10:10

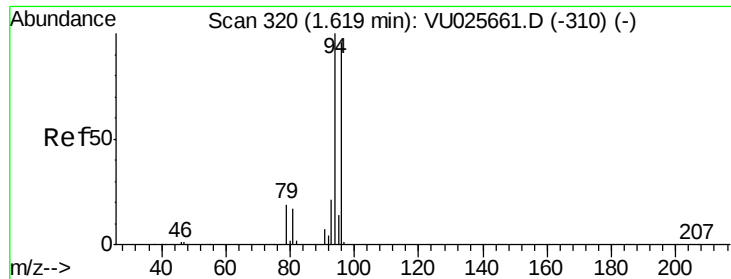
Tgt Ion: 62 Resp: 44353

Ion Ratio Lower Upper

62 100

64 29.7 25.4 38.0





#5

Bromomethane

Concen: 33.496 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

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ClientSampleId :

VU0801WBSD02

Tot Ion: 94 Resp: 23783

Ion Ratio Lower Upper

94 100

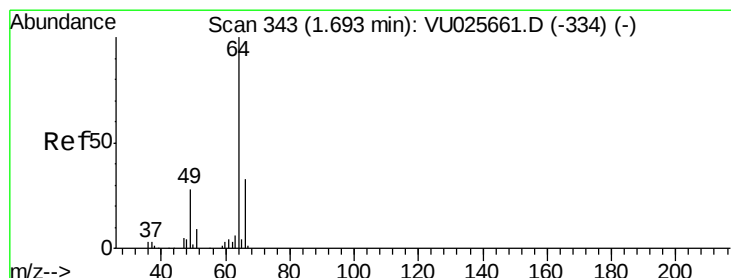
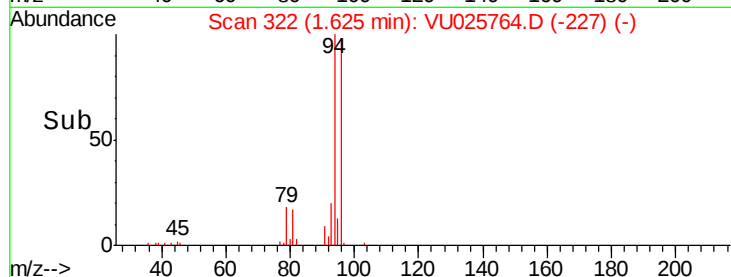
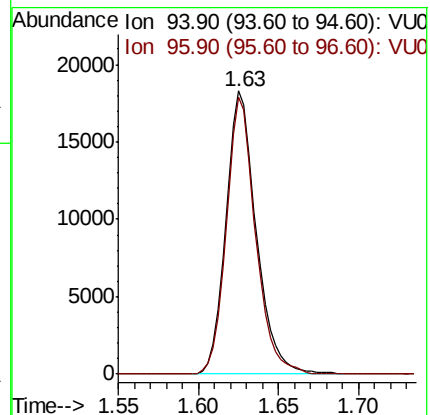
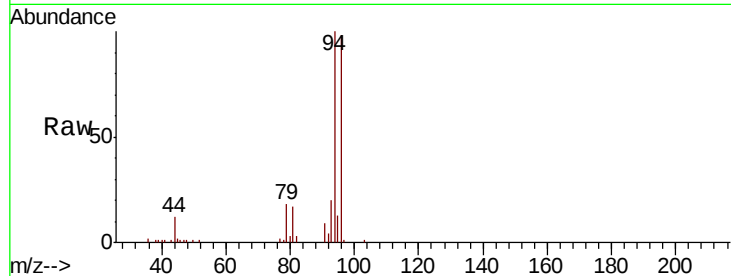
96 98.1 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 30.184 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025764.D

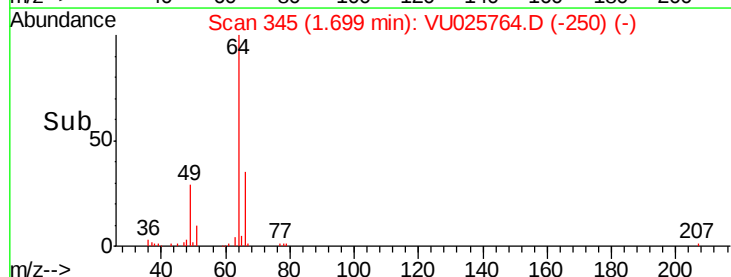
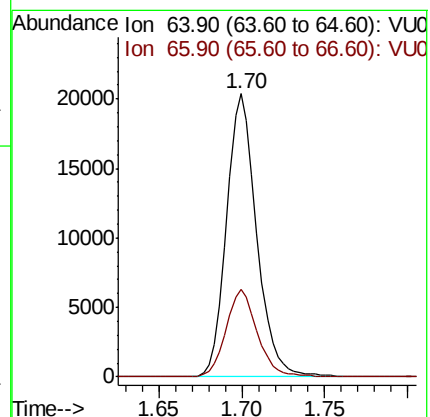
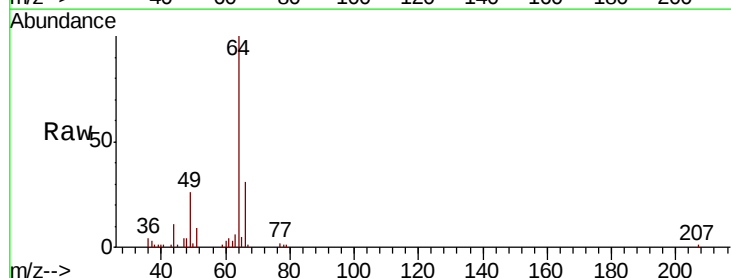
Acq: 01 Aug 2018 10:10

Tgt Ion: 64 Resp: 25658

Ion Ratio Lower Upper

64 100

66 30.7 25.0 37.4





#7

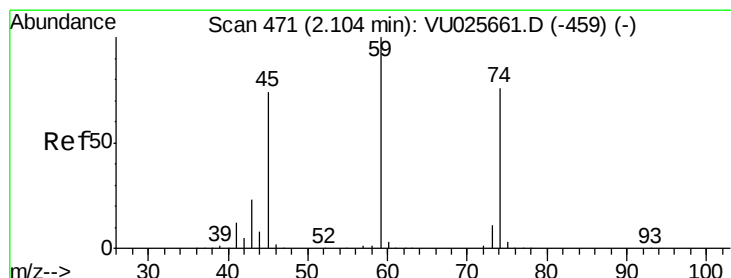
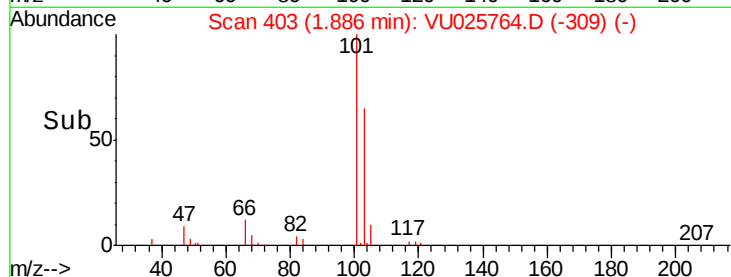
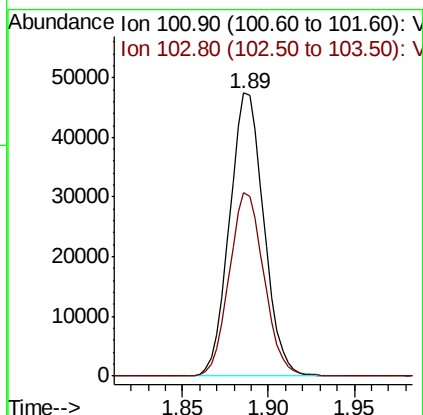
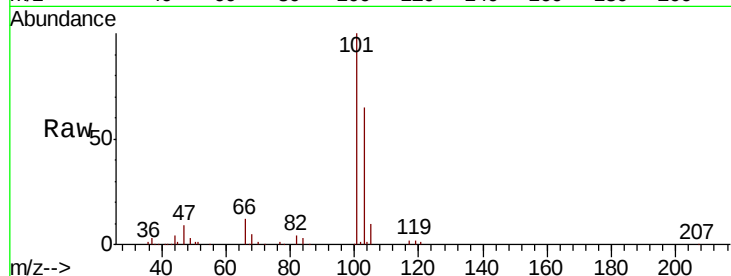
Trichlorofluoromethane
 Concen: 31.285 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.2

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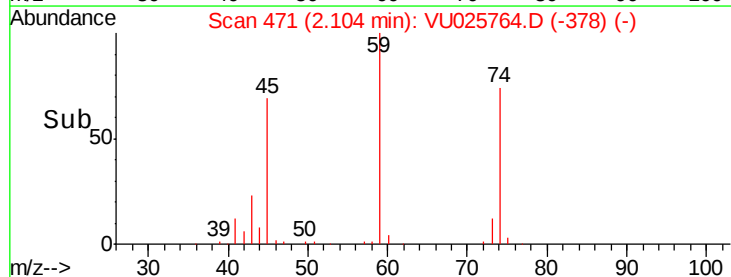
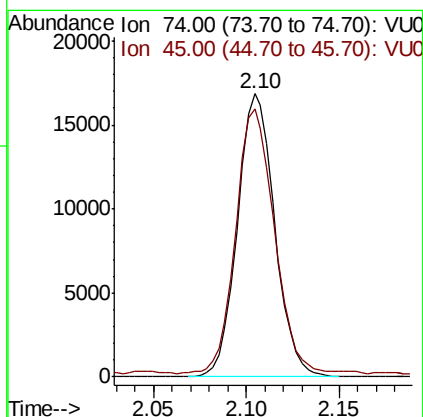
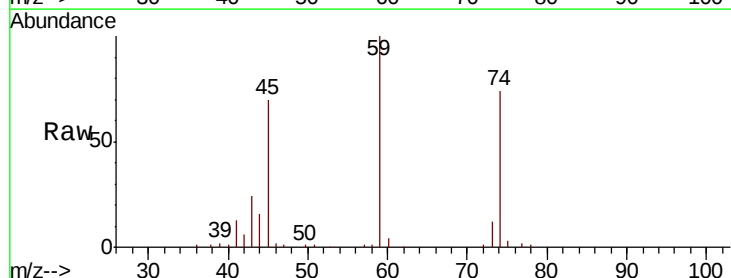
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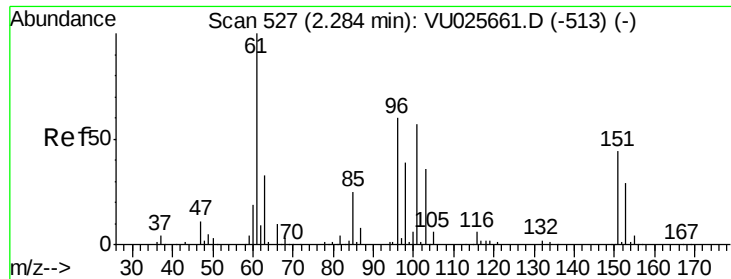


#8

Diethyl Ether
 Concen: 30.848 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025764.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.3	144.9





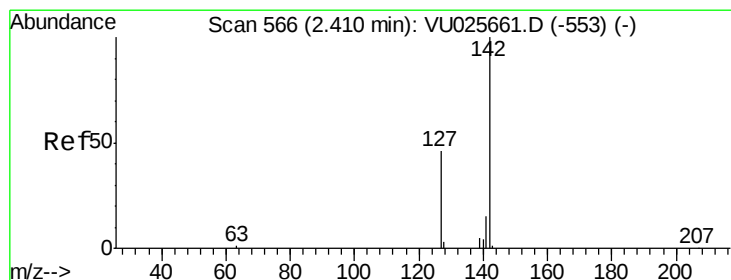
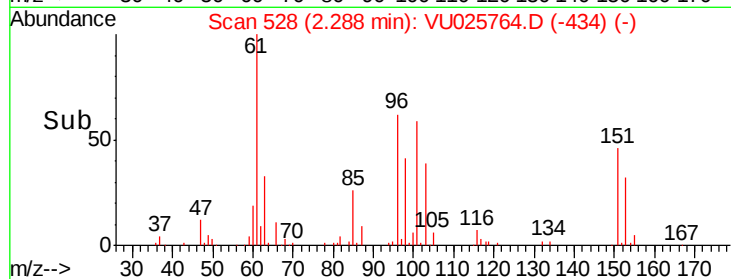
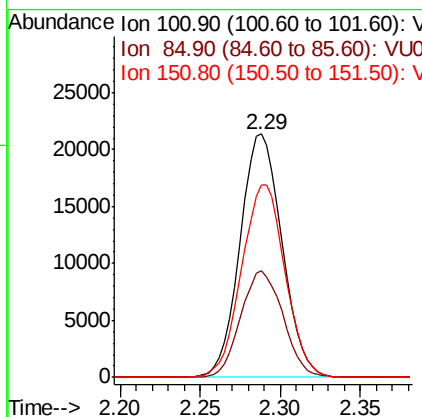
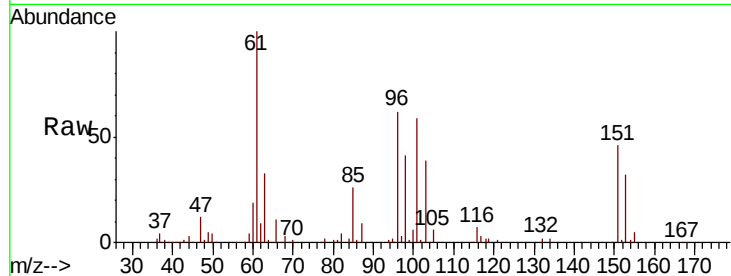
#9
1,1,2-Trichlorotrifluoroethane
Concen: 31.489 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	38302		
85	44.0	36.0	54.0	
151	82.0	65.6	98.4	

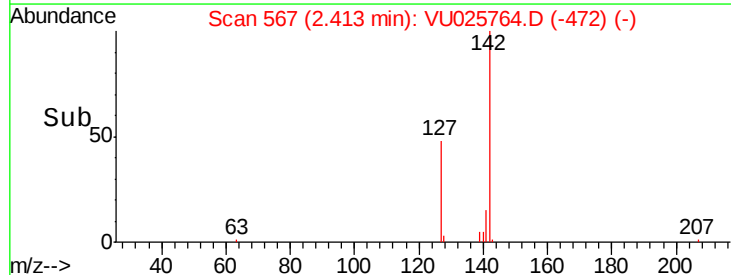
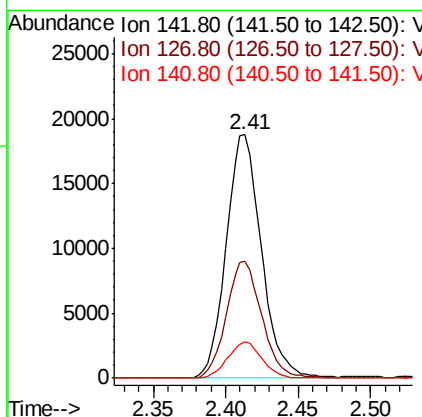
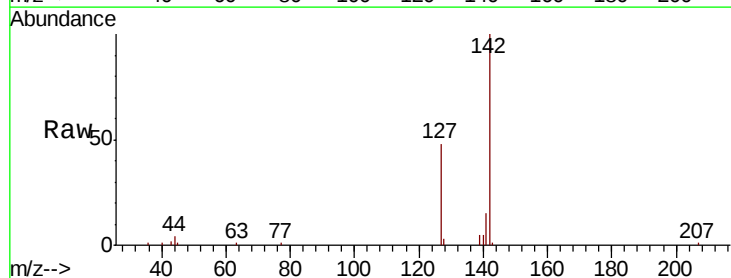
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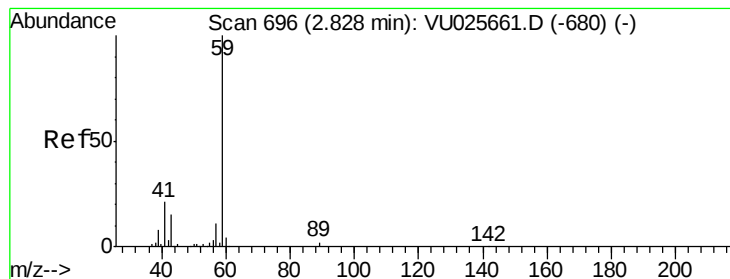
MMDadoda
8/2/2018 9:41:24 AM



#10
Methyl Iodide
Concen: 31.614 ug/l
RT: 2.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	31537		
127	48.1	36.5	54.7	
141	14.3	11.4	17.2	





#11

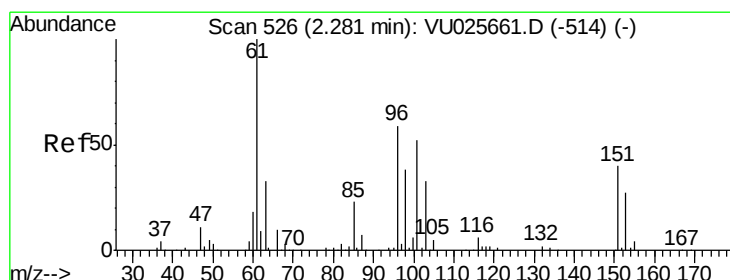
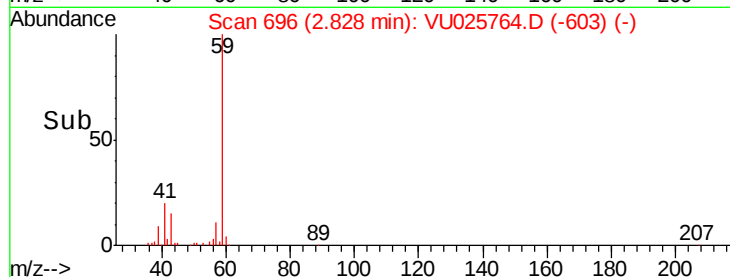
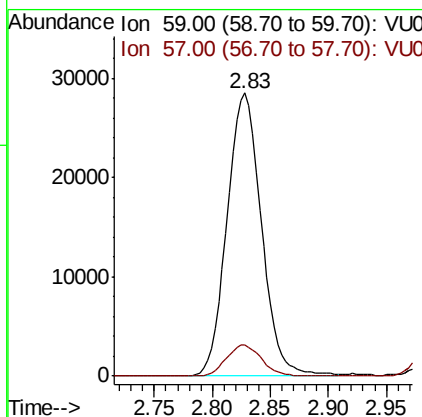
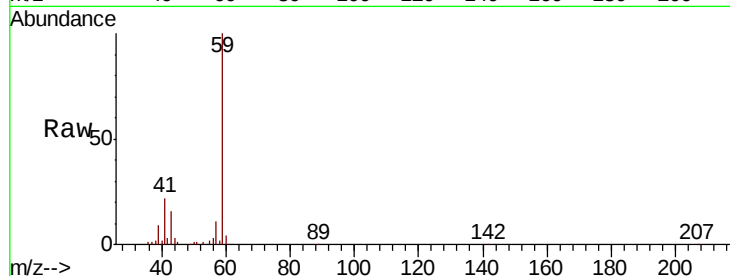
Tert butyl alcohol
 Concen: 160.807 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.2	12.2

Manual Integrations
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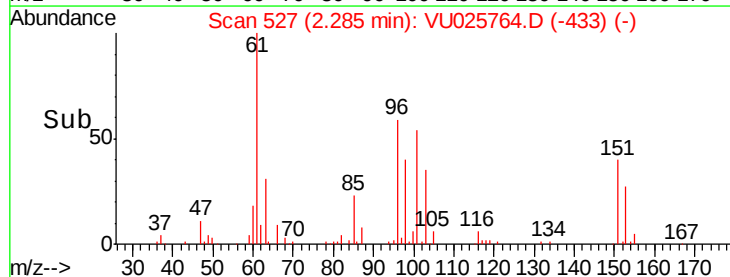
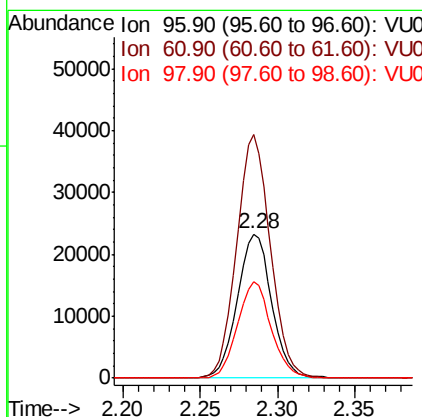
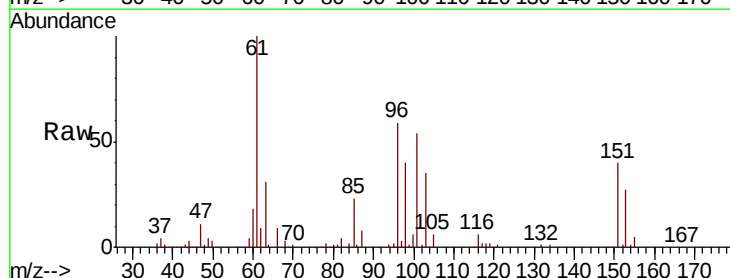
MMDadoda
 8/2/2018 9:41:24 AM

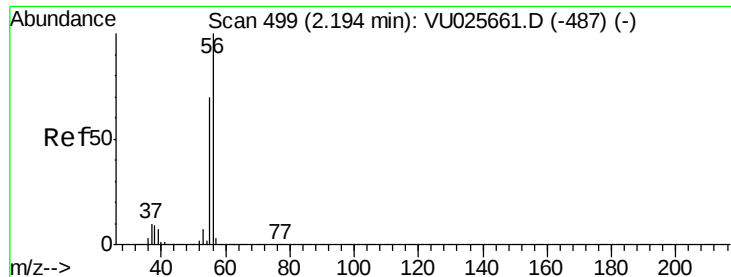


#12

1,1-Dichloroethene
 Concen: 31.207 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.8	140.2	210.4
98	66.7	49.3	73.9





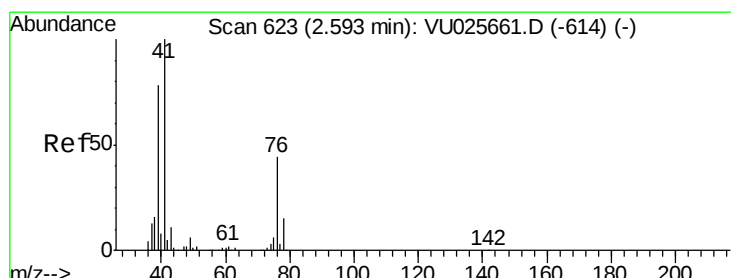
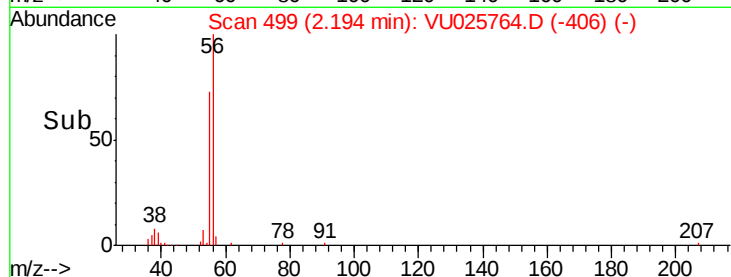
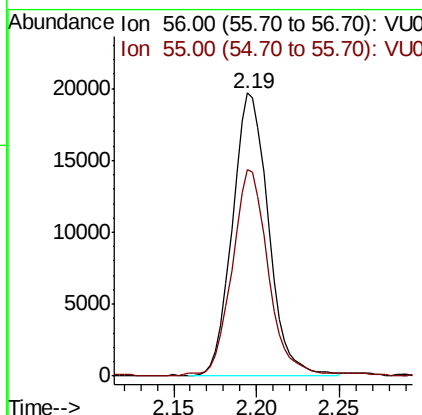
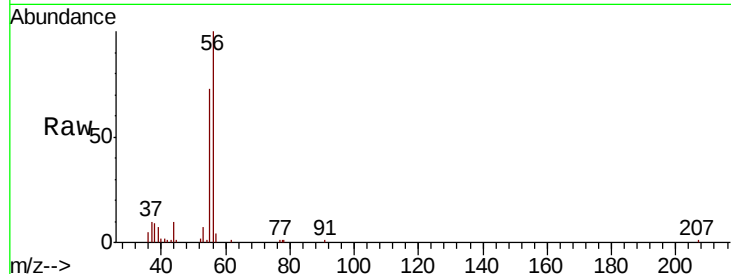
#13
Acrolein
Concen: 225.307 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	56	Resp	29791
Ion Ratio	100	Lower	Upper
55	73.0	57.2	85.8

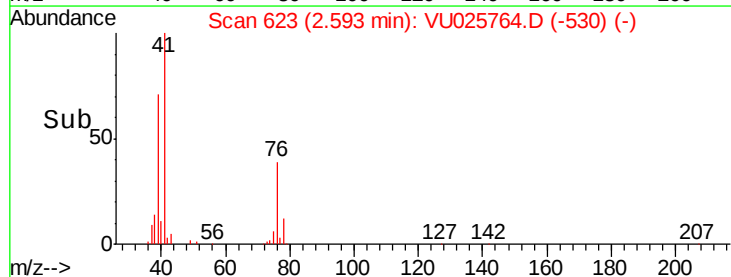
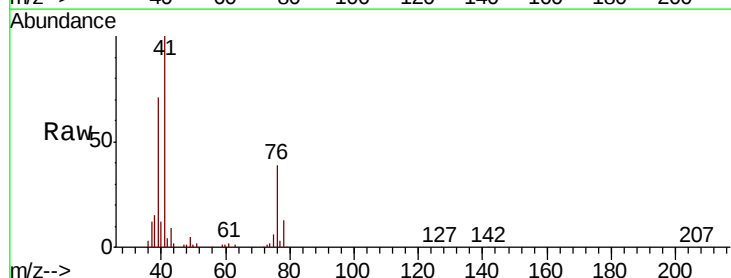
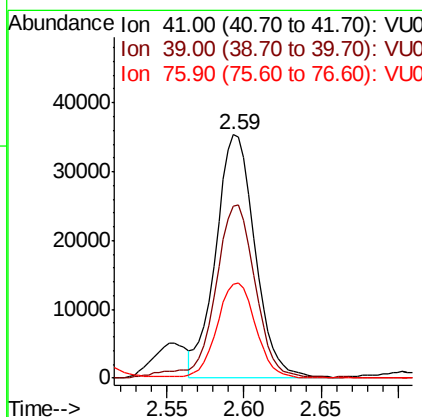
Manual Integrations
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8/2/2018 9:41:24 AM



#14
Allyl chloride
Concen: 30.230 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	41	Resp	62375
Ion Ratio	100	Lower	Upper
39	73.2	60.6	91.0
76	38.5	30.5	45.7





#15

Acrylonitrile

Concen: 166.151 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

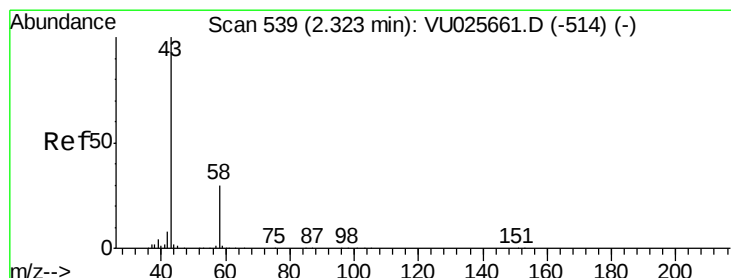
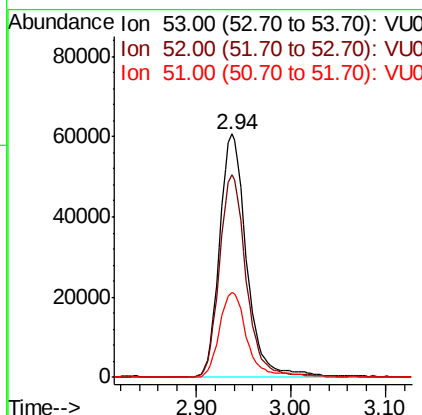
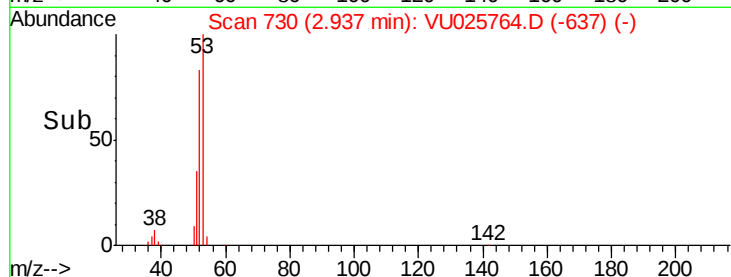
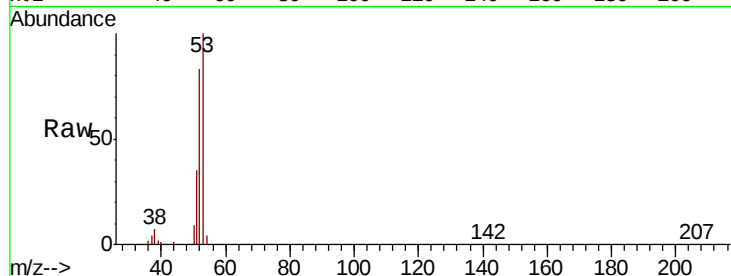
ClientSampleId :

VU0801WBSD02

Tot Ion:	53	Resp:	121010
Ion Ratio	Lower	Upper	
53	100		
52	81.3	66.6	99.8
51	36.2	29.4	44.2

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#16

Acetone

Concen: 150.759 ug/l

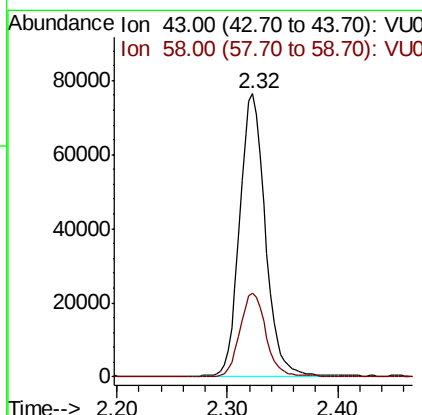
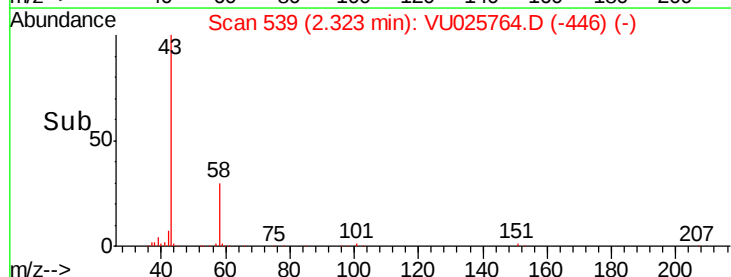
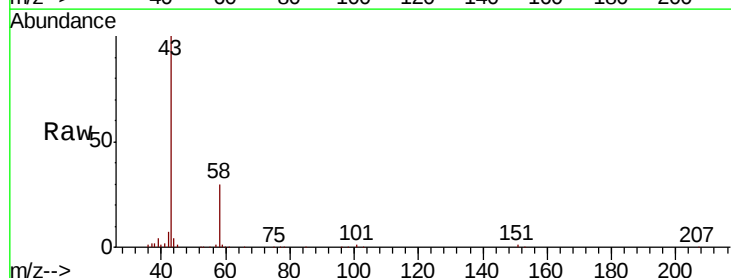
RT: 2.32 min Scan# 539

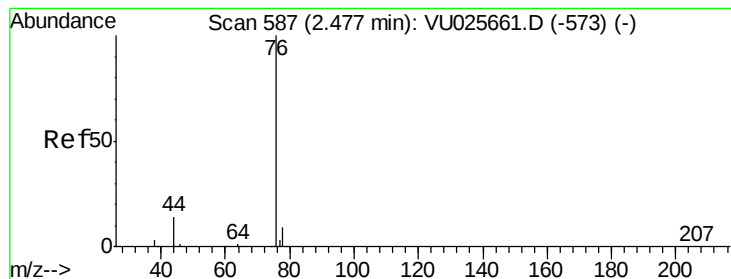
Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Tgt Ion:	43	Resp:	122463
Ion Ratio	Lower	Upper	
43	100		
58	29.7	23.1	34.7





#17

Carbon Disulfide

Concen: 29.517 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD02

Tot Ion: 76 Resp: 109680

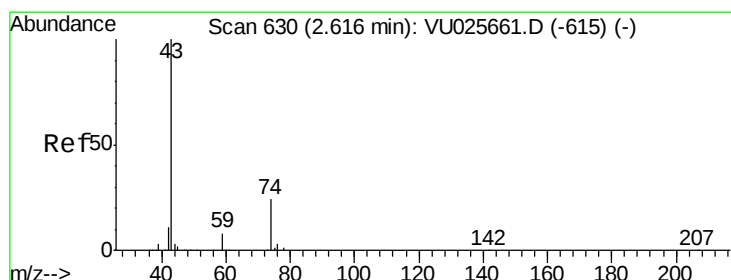
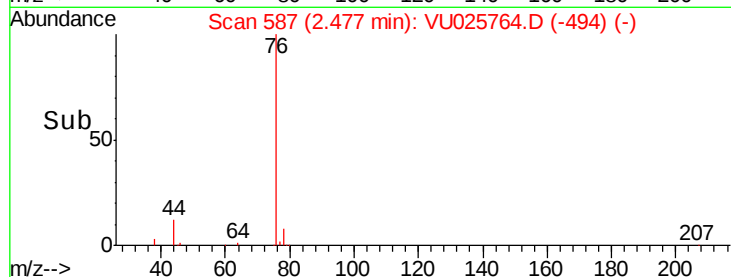
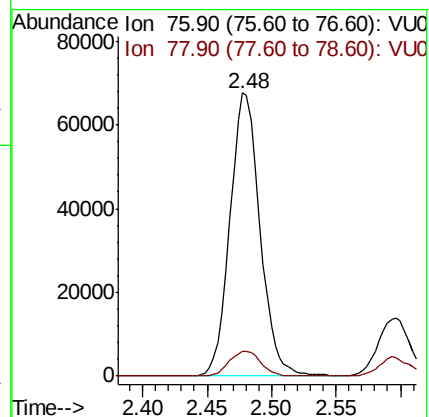
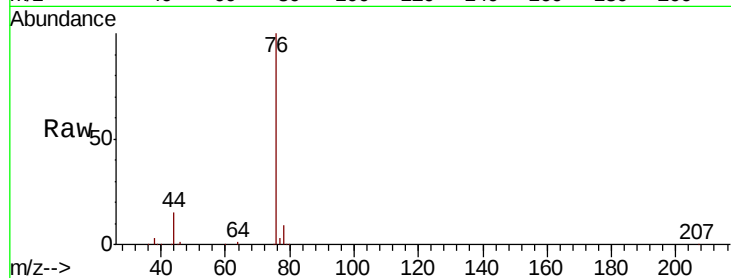
Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

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#18

Methyl Acetate

Concen: 38.697 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025764.D

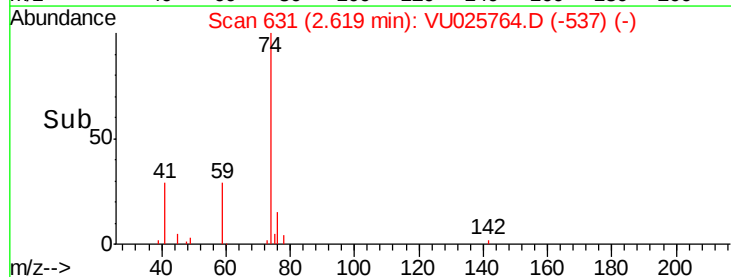
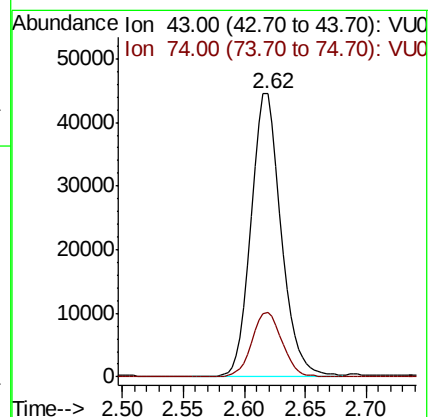
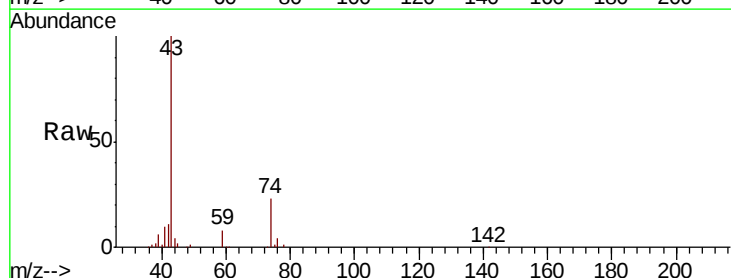
Acq: 01 Aug 2018 10:10

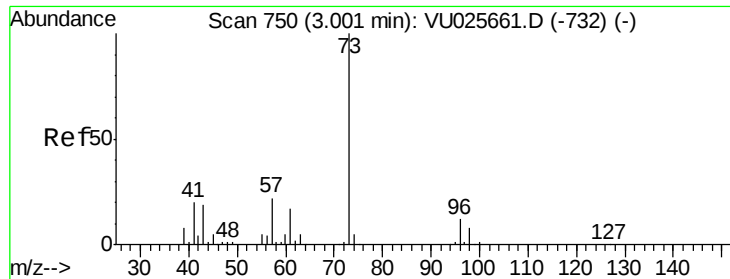
Tgt Ion: 43 Resp: 75657

Ion Ratio Lower Upper

43 100

74 22.9 18.5 27.7





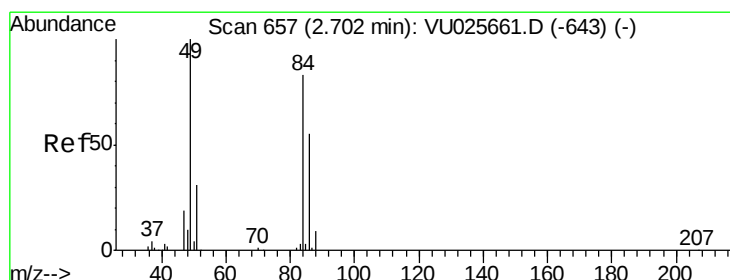
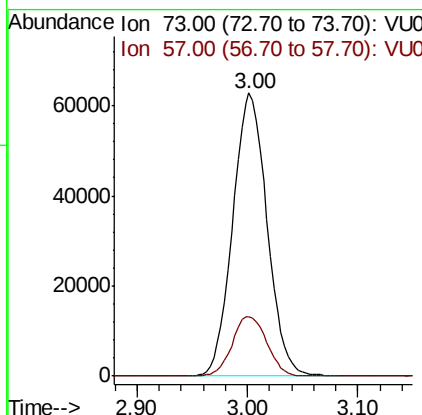
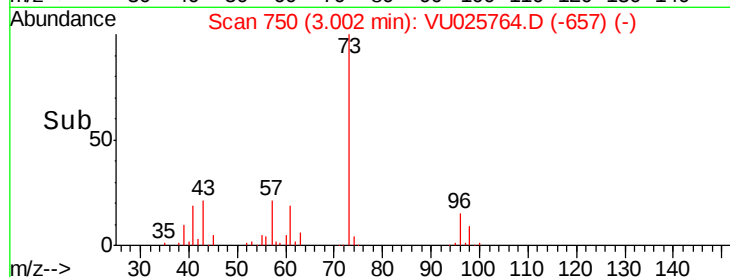
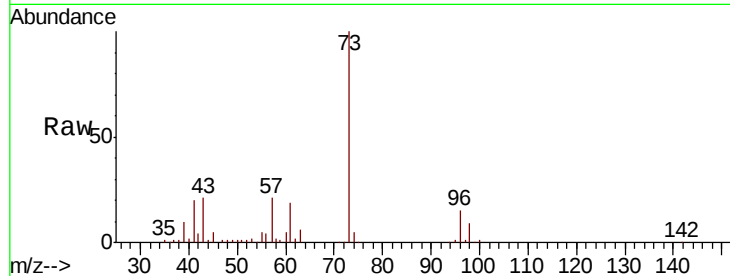
#19
Methvl tert-butvl Ether
Concen: 32.565 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion: 73 Resp: 135493
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2

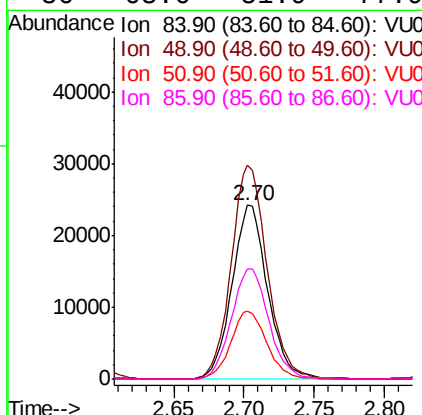
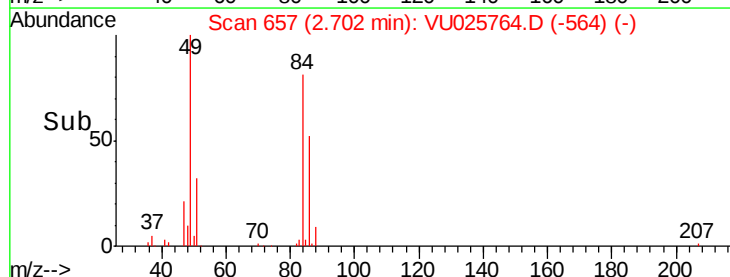
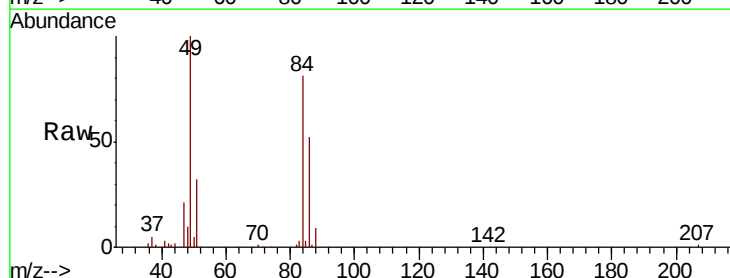
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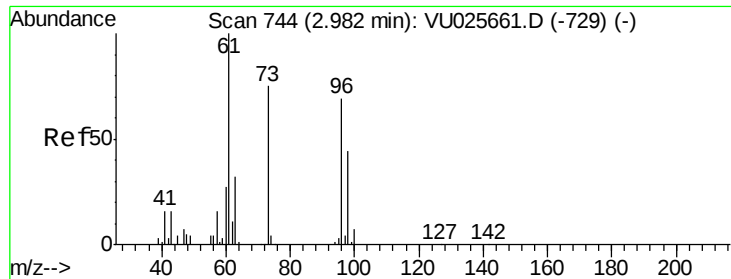
MMDadoda
8/2/2018 9:41:24 AM



#20
Methylene Chloride
Concen: 29.642 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion: 84 Resp: 42673
Ion Ratio Lower Upper
84 100
49 123.0 101.8 152.6
51 39.5 30.8 46.2
86 63.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 30.468 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

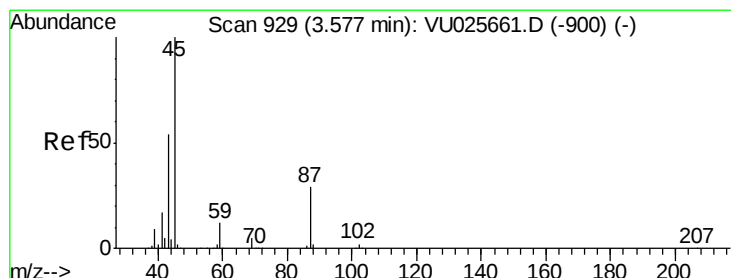
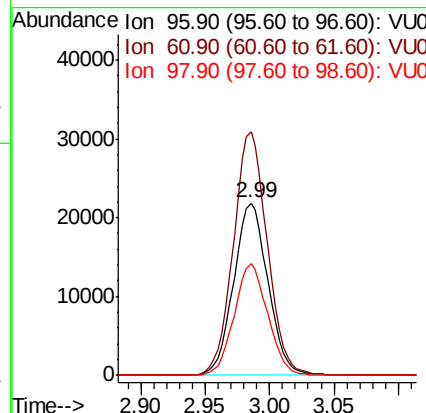
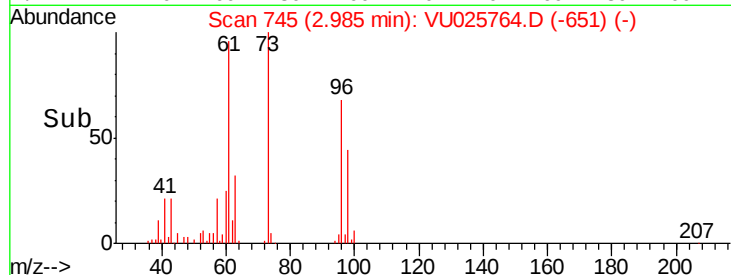
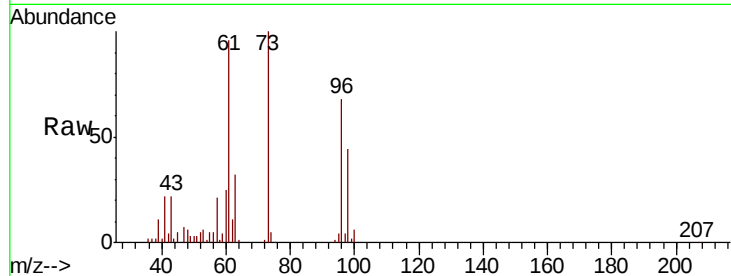
ClientSampleId :

VU0801WBSD02

Tot Ion:	96	Resp:	40438
Ion	Ratio	Lower	Upper
96	100		
61	141.5	114.5	171.7
98	64.8	50.5	75.7

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#22

Diisopropyl ether

Concen: 32.523 ug/l

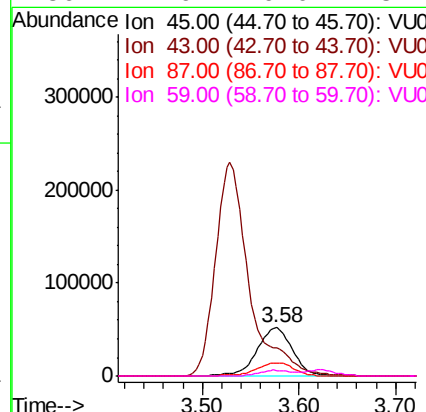
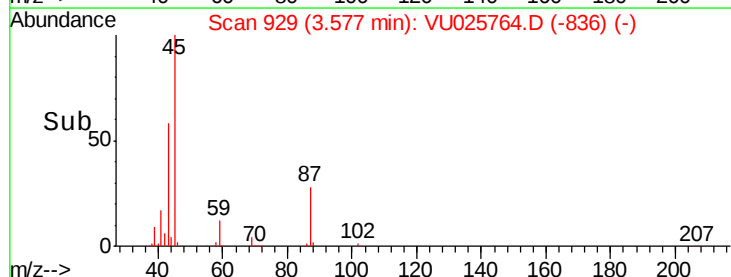
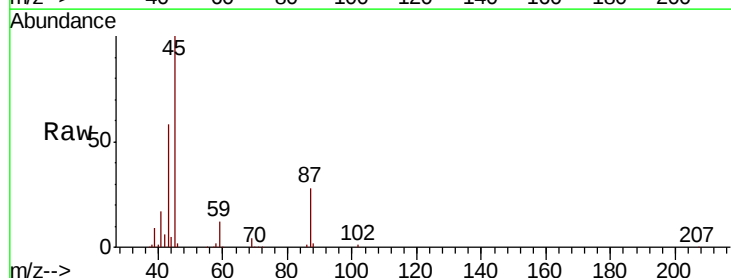
RT: 3.58 min Scan# 929

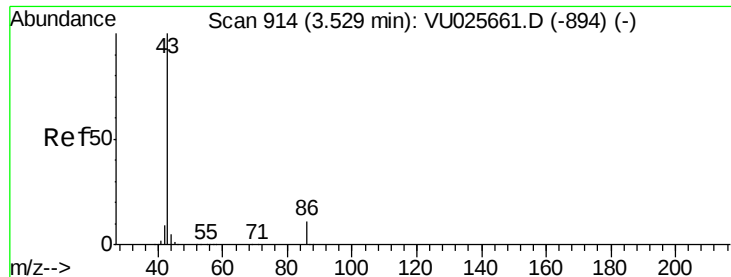
Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Tgt Ion:	45	Resp:	132237
Ion	Ratio	Lower	Upper
45	100		
43	55.4	50.9	76.3
87	27.7	23.8	35.8
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 157.935 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleID :

VU0801WBSD02

Tot Ion: 43 Resp: 559627

Ion Ratio Lower Upper

43 100

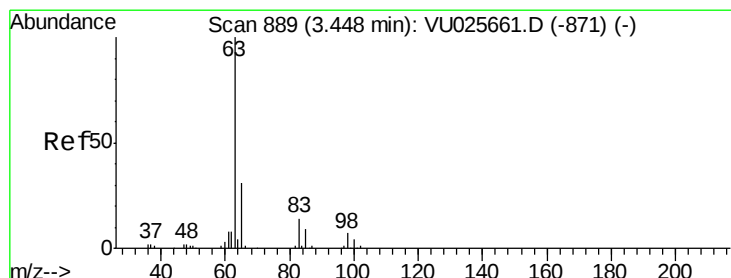
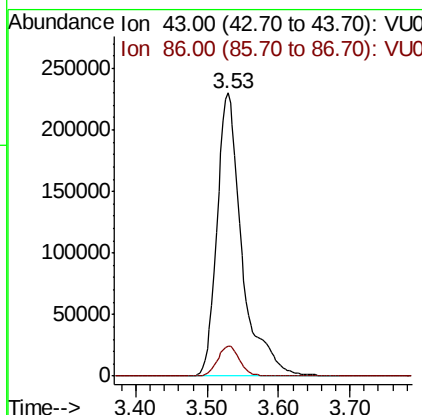
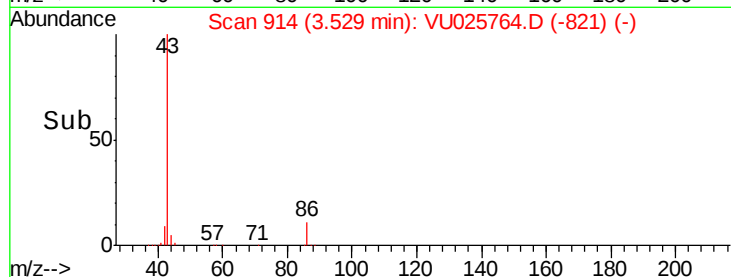
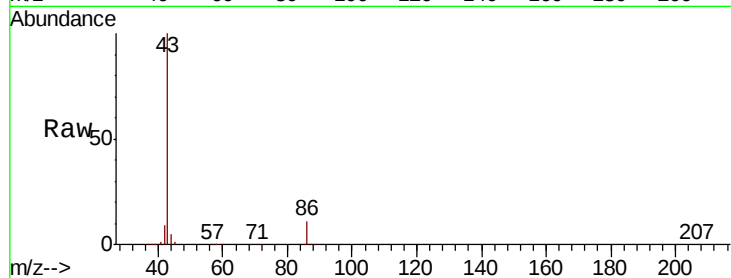
86 10.6 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 31.908 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

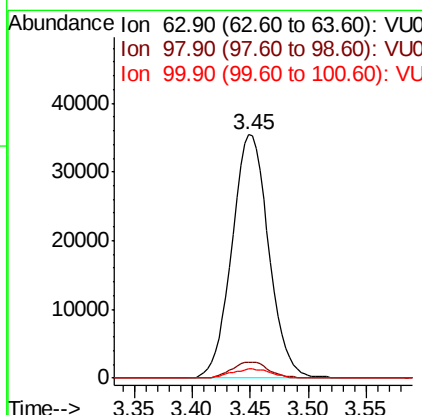
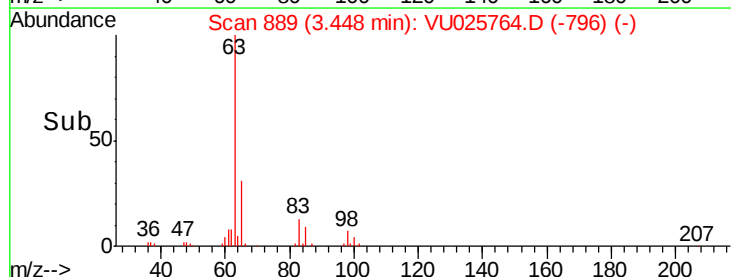
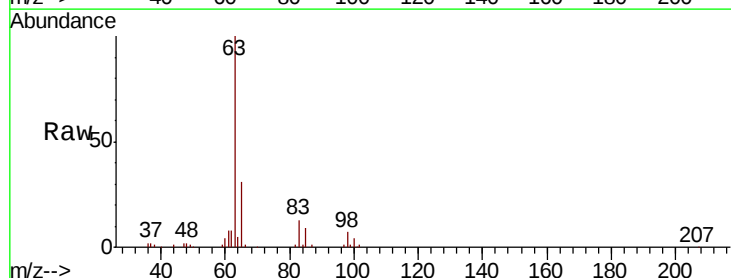
Tgt Ion: 63 Resp: 77878

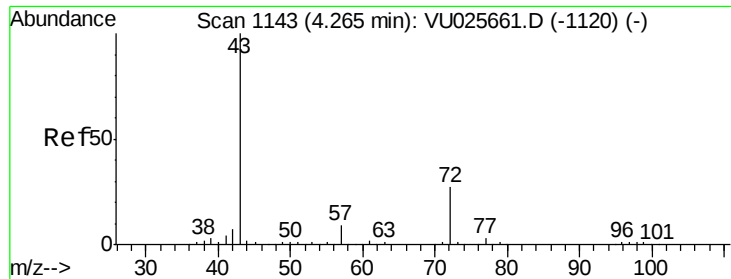
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 3.8 2.0 6.0





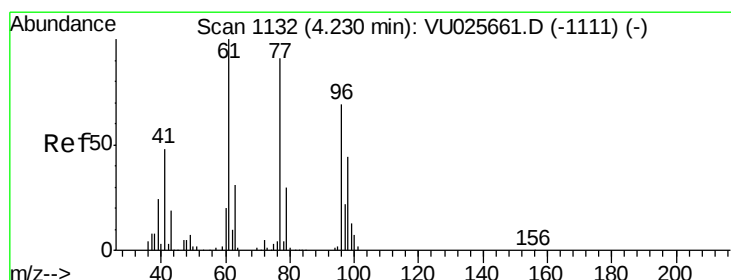
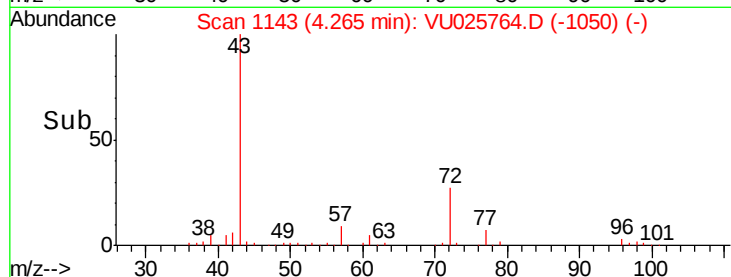
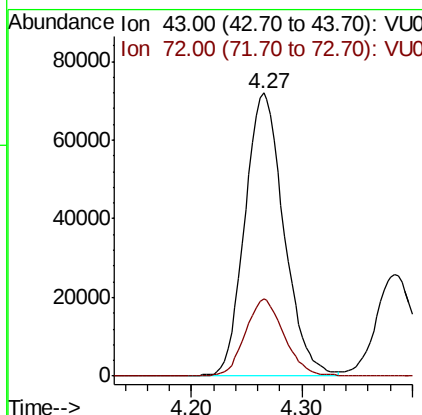
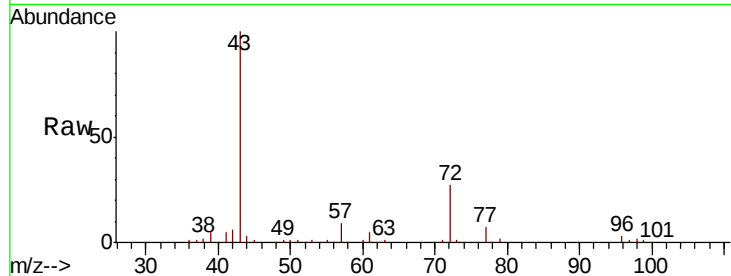
#25
2-Butanone
Concen: 159.090 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion: 43 Resp: 175918
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.4

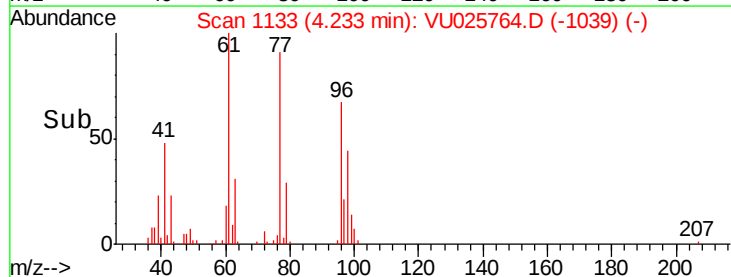
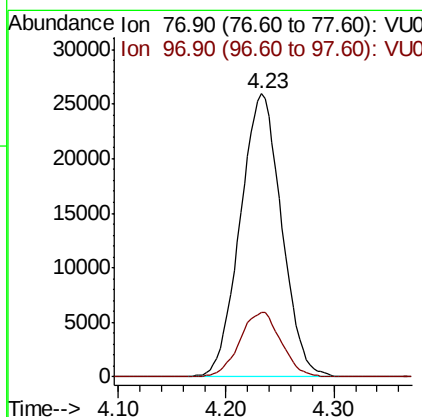
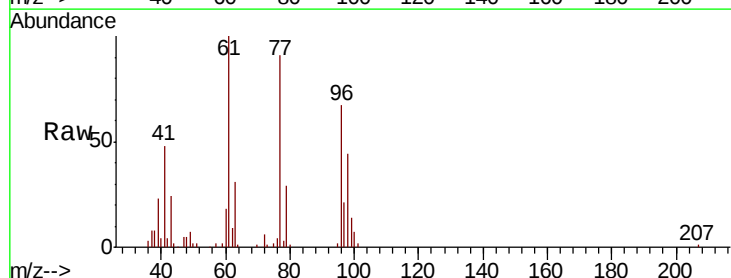
Manual Integrations
APPROVED

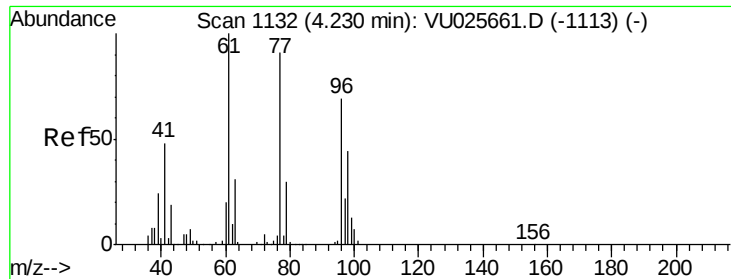
MMDadoda
8/2/2018 9:41:24 AM



#26
2,2-Dichloropropane
Concen: 31.204 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion: 77 Resp: 69225
Ion Ratio Lower Upper
77 100
97 22.8 11.2 33.5





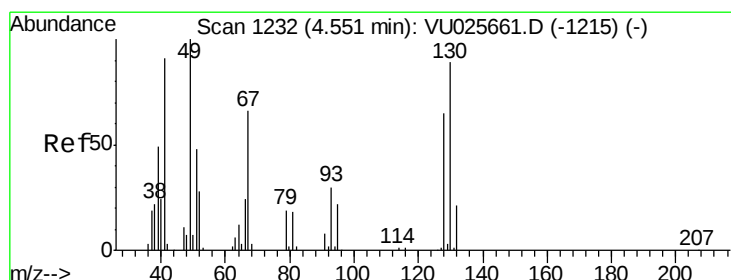
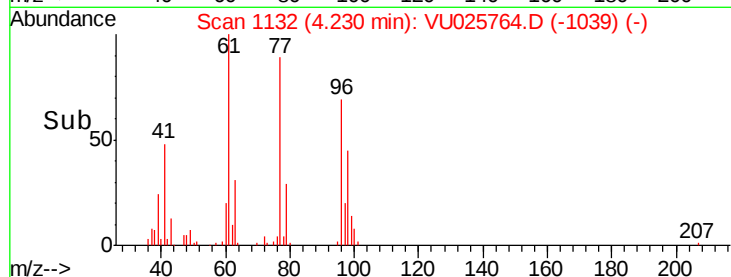
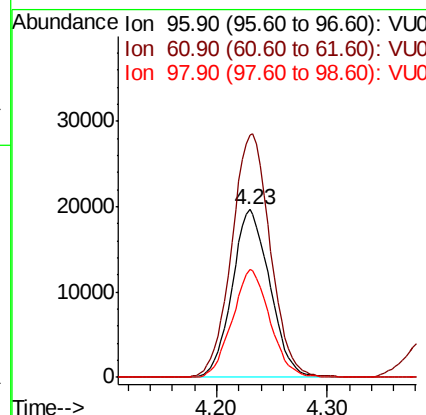
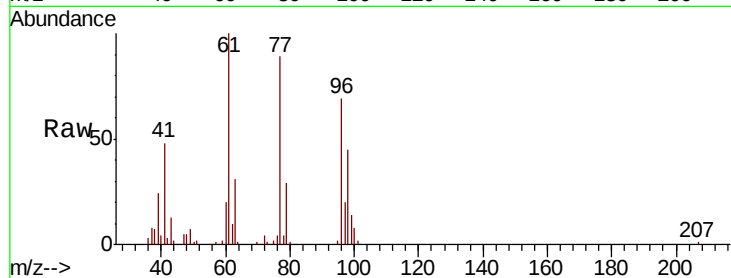
#27
 cis-1,2-Dichloroethene
 Concen: 31.145 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.2	0.0	299.8	
98	63.7	0.0	128.6	

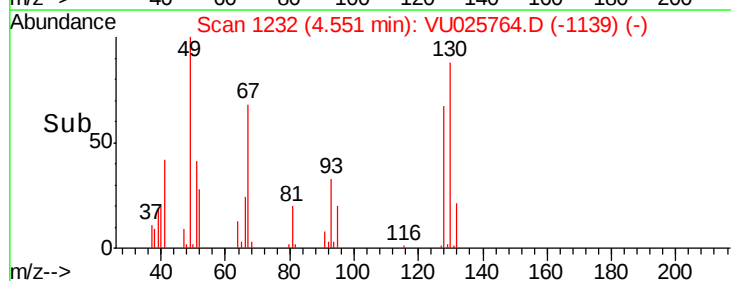
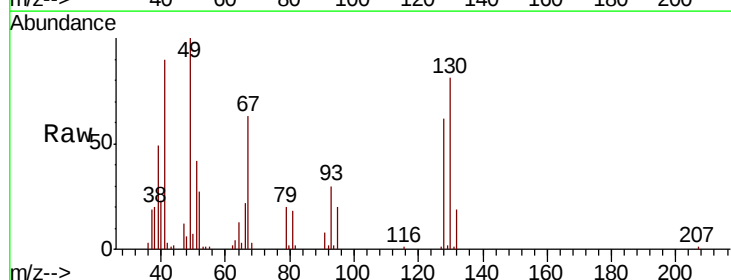
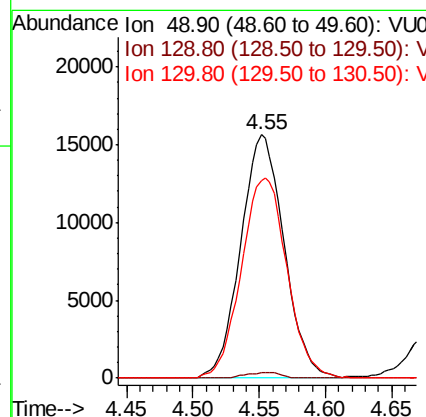
Manual Integrations
 APPROVED

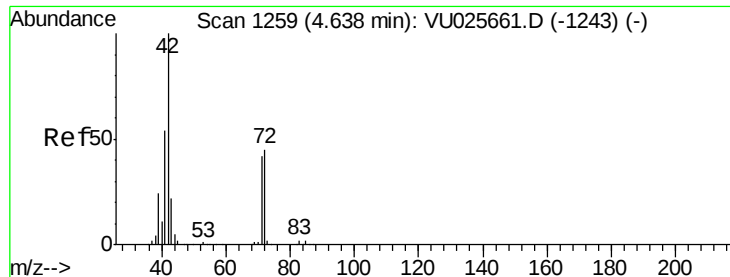
MMDadoda
 8/2/2018 9:41:24 AM



#28
 Bromochloromethane
 Concen: 32.689 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	4.6	
130	86.1	68.6	102.8	





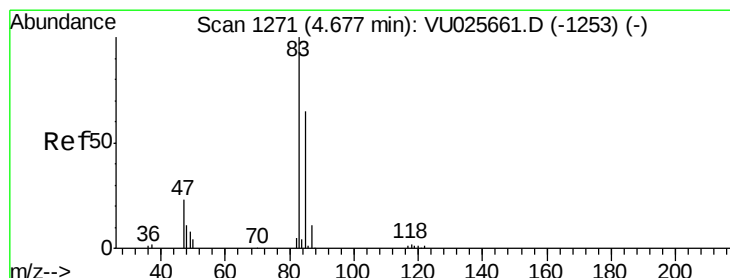
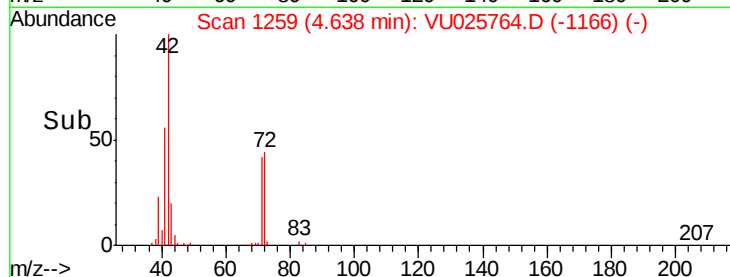
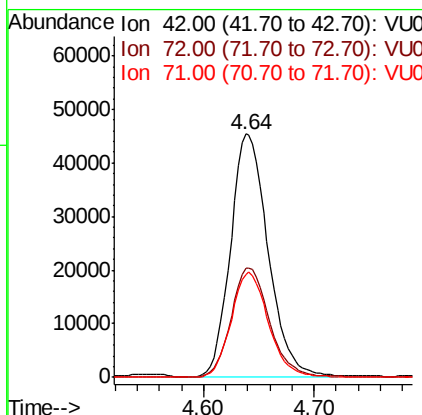
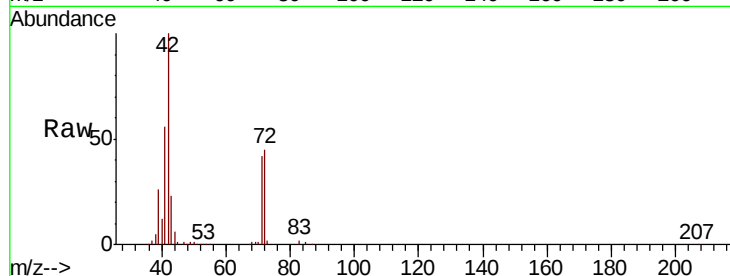
#29
Tetrahydrofuran
Concen: 161.344 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.7	55.1
71	43.0	33.9	50.9

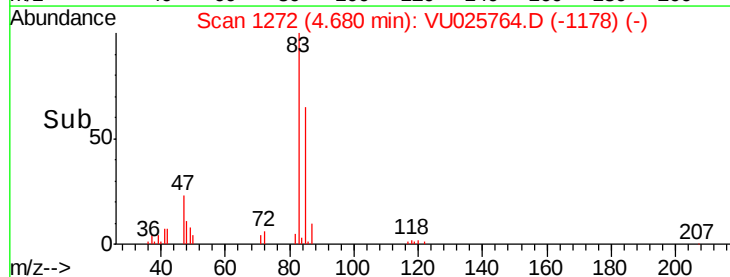
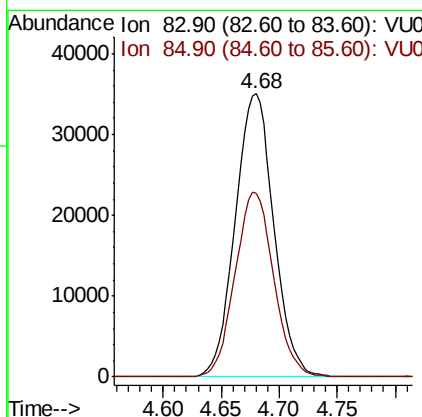
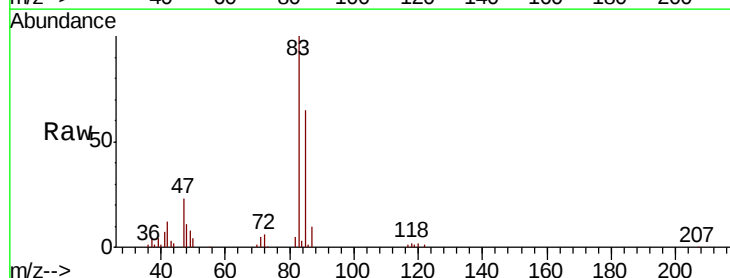
Manual Integrations
APPROVED

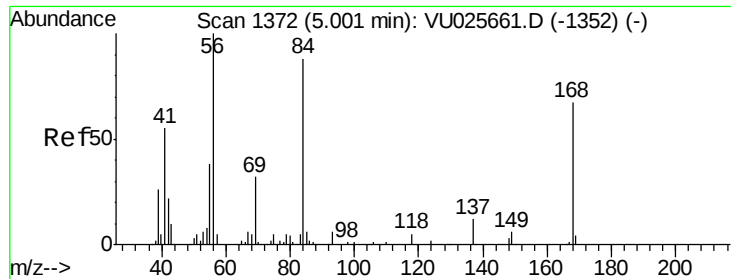
MMDadoda
8/2/2018 9:41:24 AM



#30
Chloroform
Concen: 31.477 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3





#31

Cyclohexane

Concen: 29.433 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

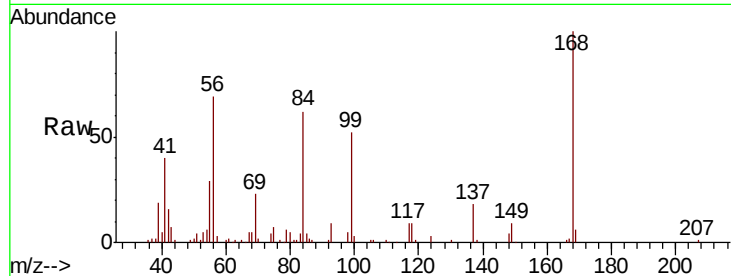
ClientSampleID :

VU0801WBSD02

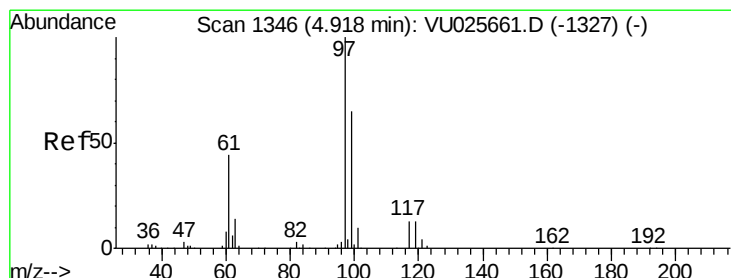
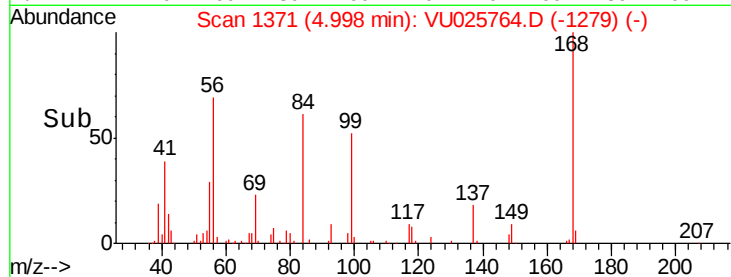
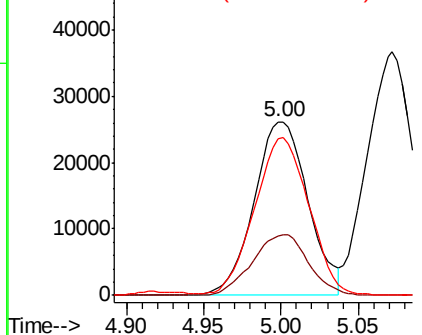
Tot Ion:	56	Resp:	63671
Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.8	40.2
84	88.8	69.7	104.5

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



#32

1,1,1-Trichloroethane

Concen: 32.051 ug/l

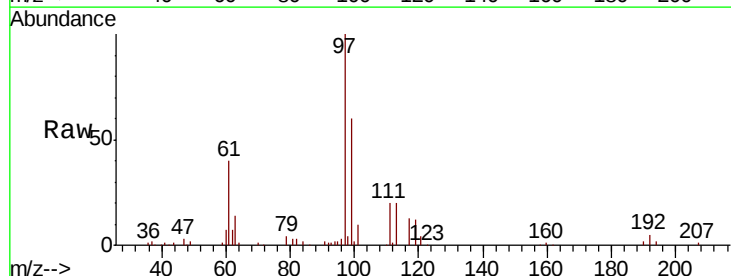
RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

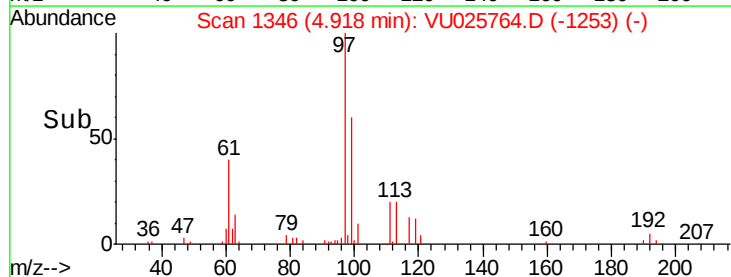
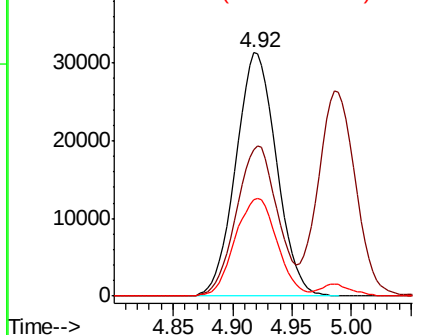
Lab File: VU025764.D

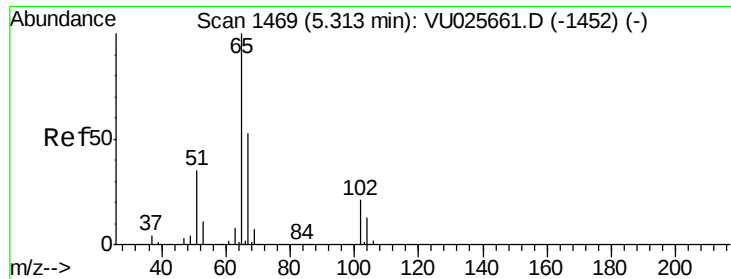
Acq: 01 Aug 2018 10:10

Tgt Ion:	97	Resp:	74343
Ion	Ratio	Lower	Upper
97	100		
99	62.3	50.8	76.2
61	41.6	35.2	52.8



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





#33

1,2-Dichloroethane-d4

Concen: 80.419 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD02

Tot Ion: 65 Resp: 133988

Ion Ratio Lower Upper

65 100

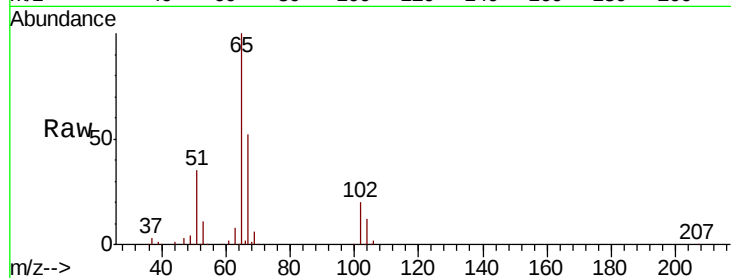
67 51.4 0.0 103.6

Manual Integrations

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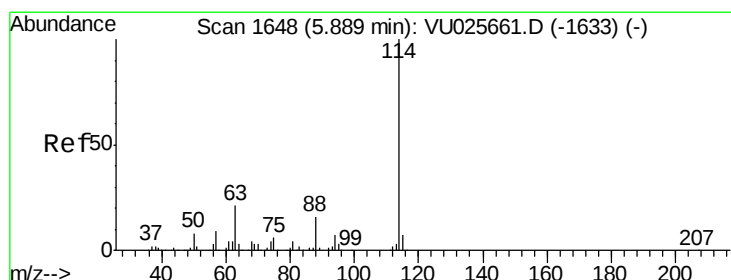
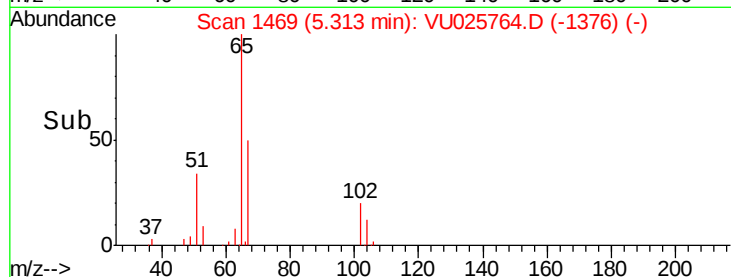
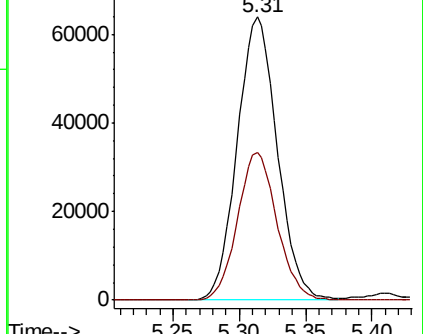
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VU025764.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025764.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

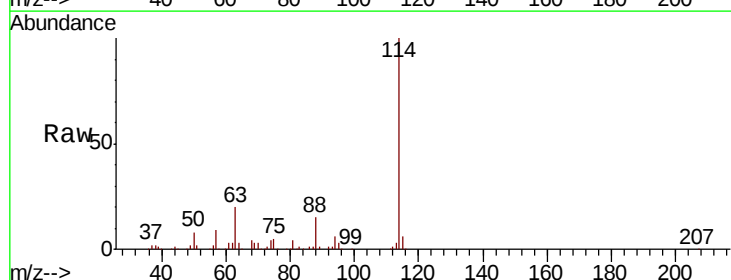
Tgt Ion: 114 Resp: 159132

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

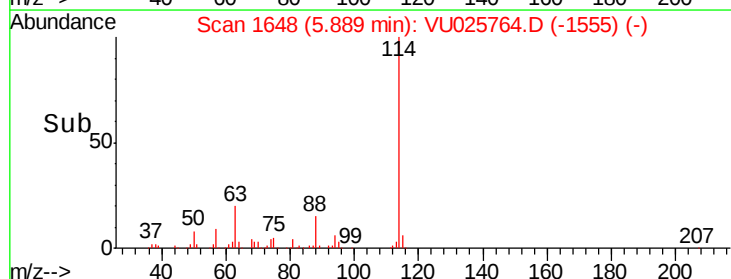
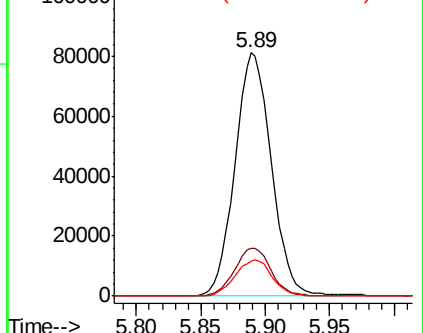
88 14.5 0.0 32.4

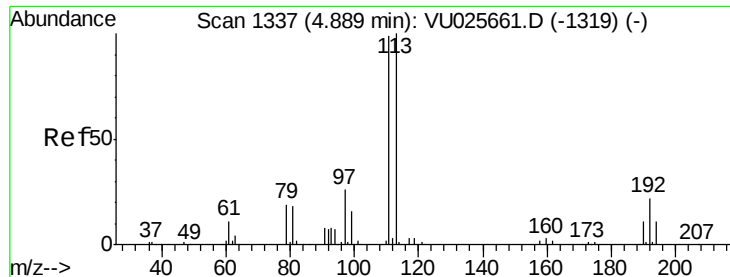


Abundance Ion 113.90 (113.60 to 114.60): VU025764.D (-1555) (-)

Ion 63.00 (62.70 to 63.70): VU025764.D (-1555) (-)

Ion 87.90 (87.60 to 88.60): VU025764.D (-1555) (-)





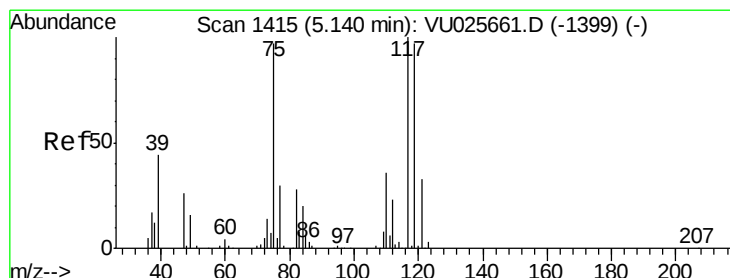
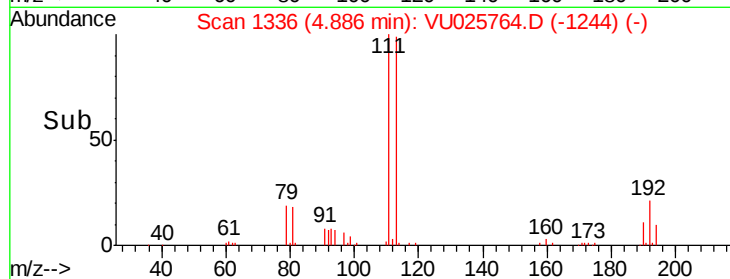
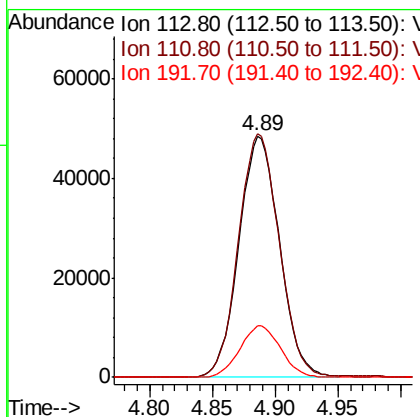
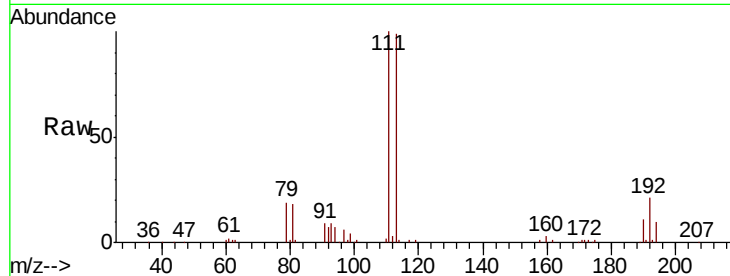
#35
 Dibromofluoromethane
 Concen: 78.941 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.7	122.5
192	21.2	17.1	25.7

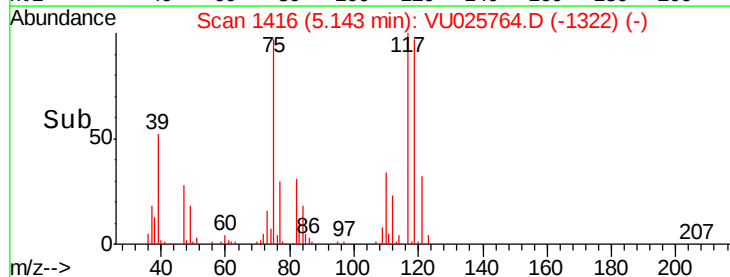
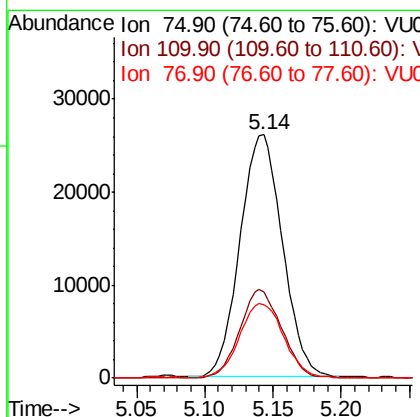
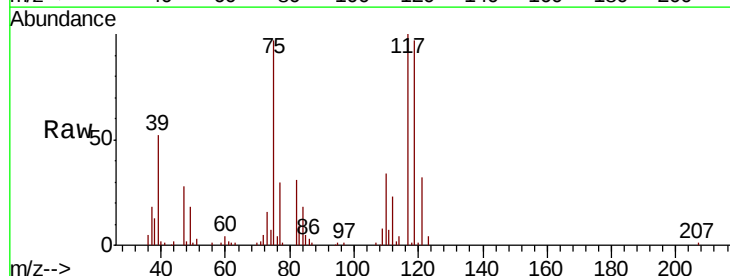
Manual Integrations
 APPROVED

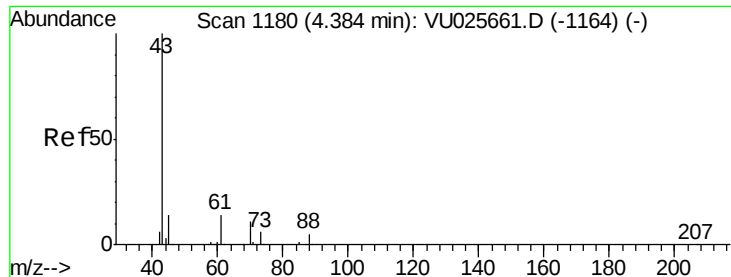
MMDadoda
 8/2/2018 9:41:24 AM



#36
 1,1-Dichloropropene
 Concen: 30.231 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.6	52.9
77	32.2	24.4	36.6





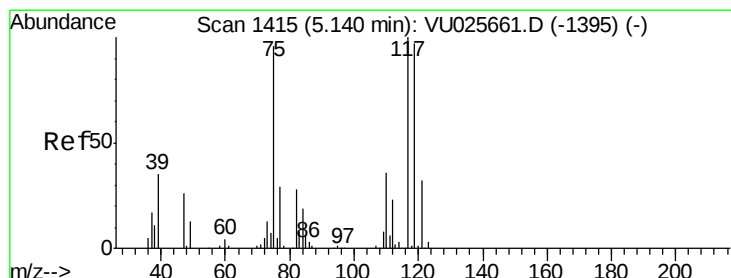
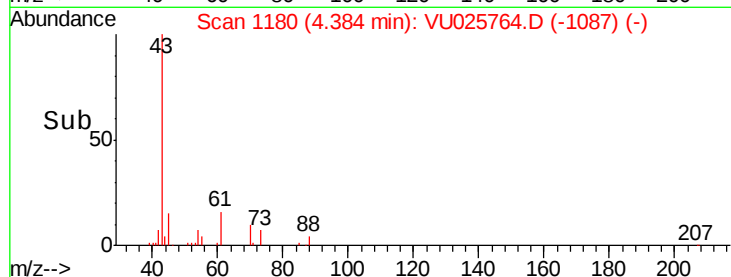
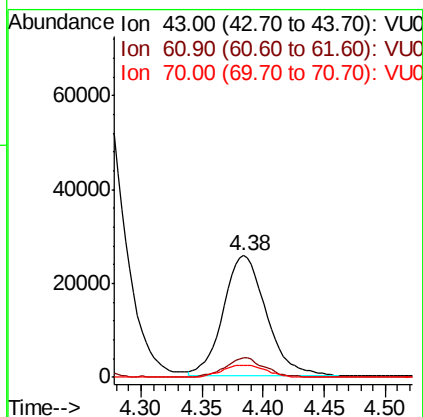
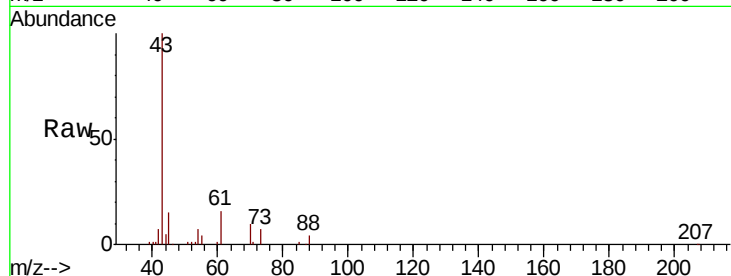
#37
Ethyl Acetate
Concen: 32.683 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.7	16.1
70	10.4	8.4	12.6

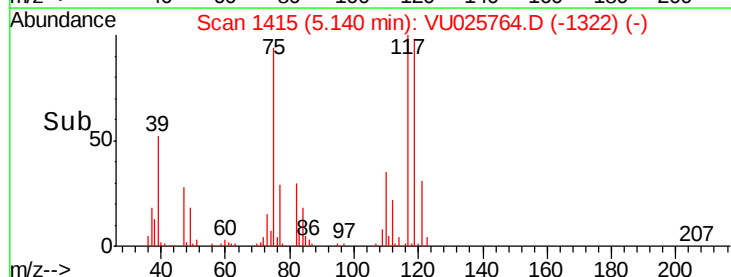
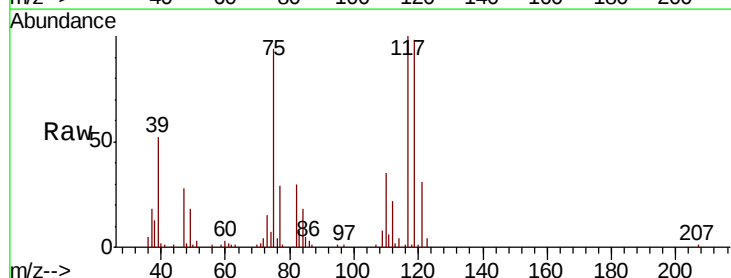
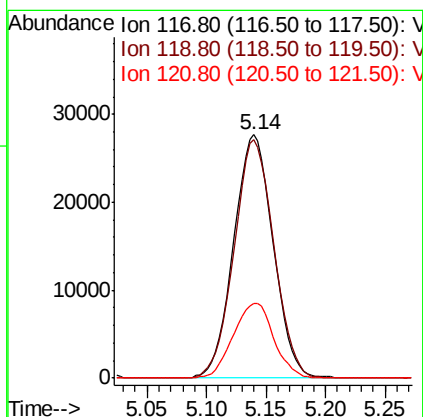
Manual Integrations
APPROVED

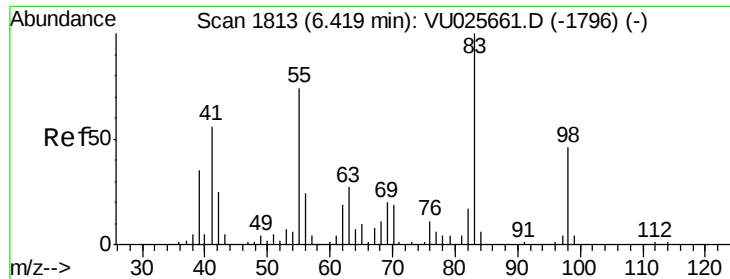
MMDadoda
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#38
Carbon Tetrachloride
Concen: 30.197 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.7	113.5
121	30.6	24.6	36.8





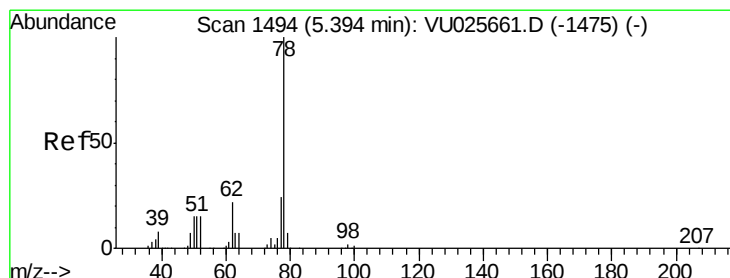
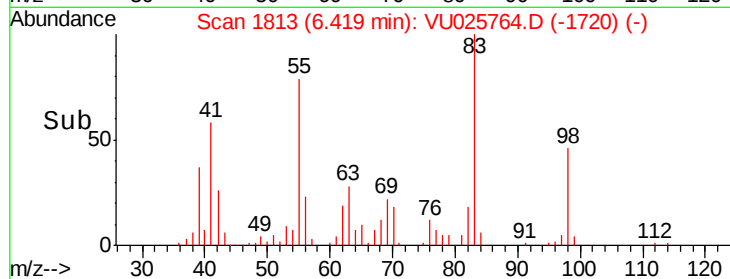
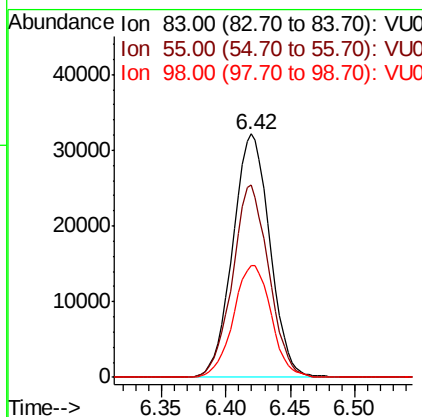
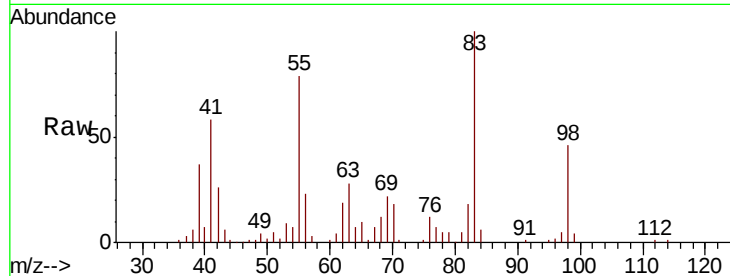
#39
Methvlcvclohexane
Concen: 30.136 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	60.0	90.0
98	46.0	36.1	54.1

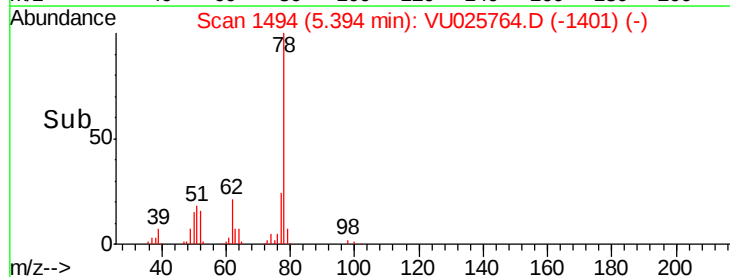
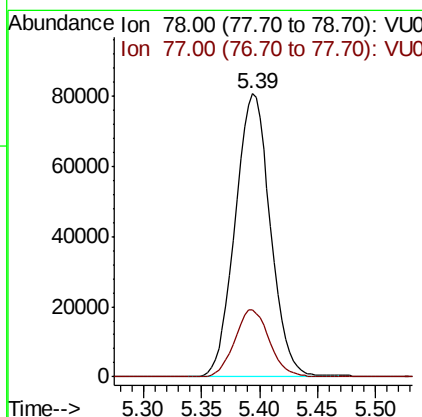
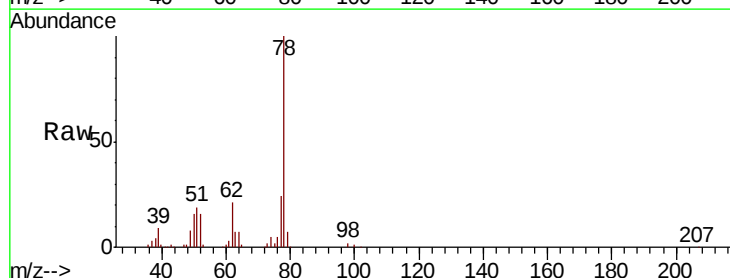
Manual Integrations
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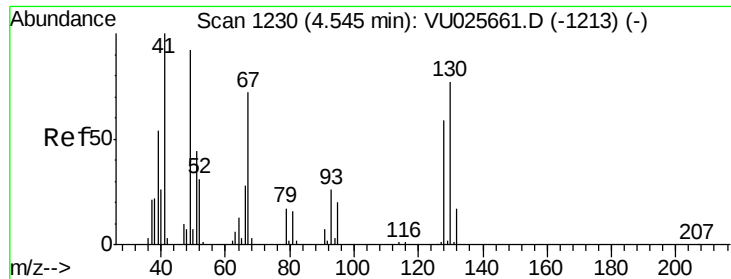
MMDadoda
8/2/2018 9:41:24 AM



#40
Benzene
Concen: 31.327 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.6





#41

Methacrylonitrile

Concen: 33.557 ug/l

RT: 4.55 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

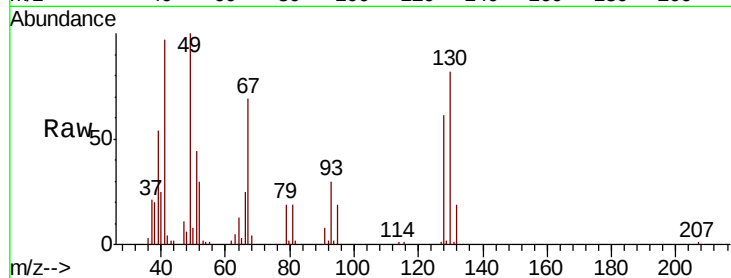
ClientSampleId :

VU0801WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	44.4	66.6	
67	72.2	56.0	84.0	
52	31.9	24.6	36.8	

Manual Integrations
APPROVED

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8/2/2018 9:41:24 AM



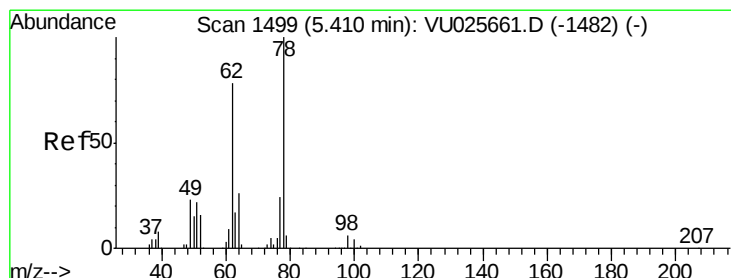
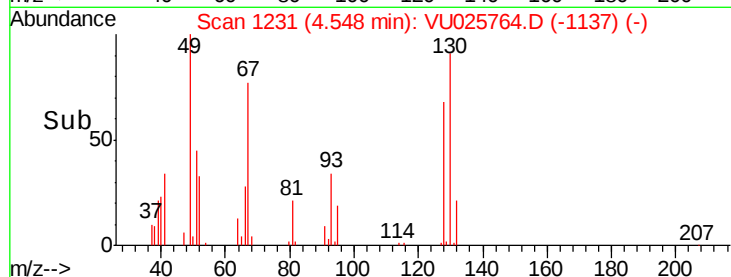
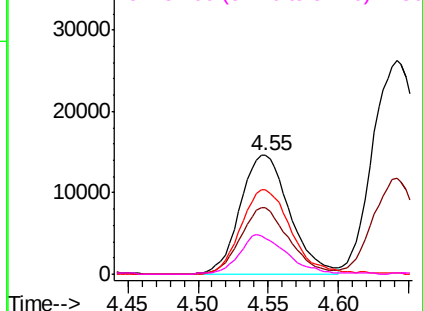
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 32.217 ug/l

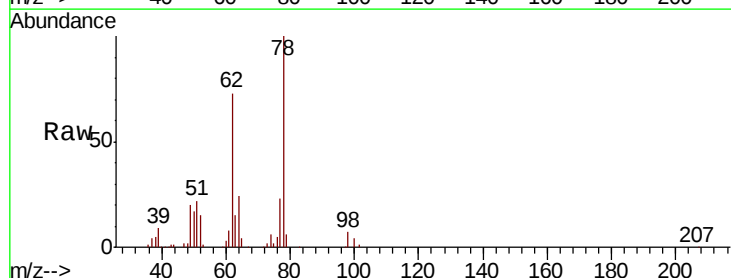
RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

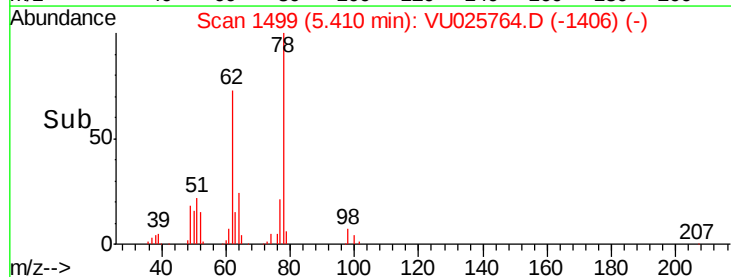
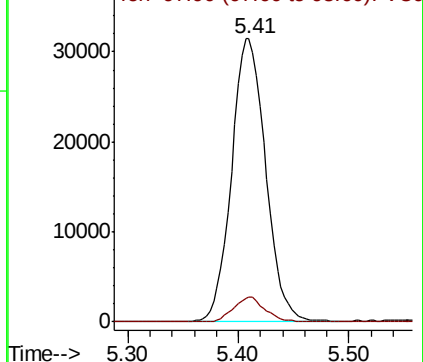
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.4	

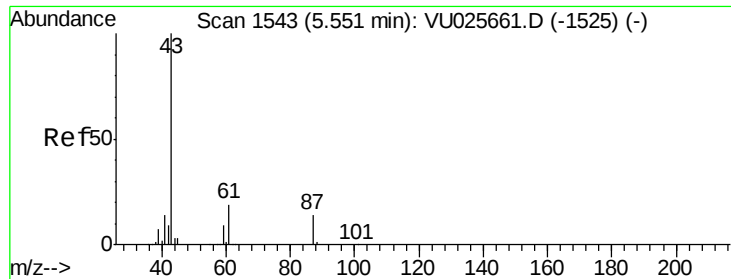


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





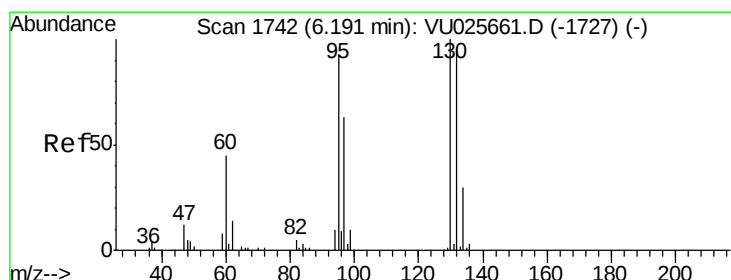
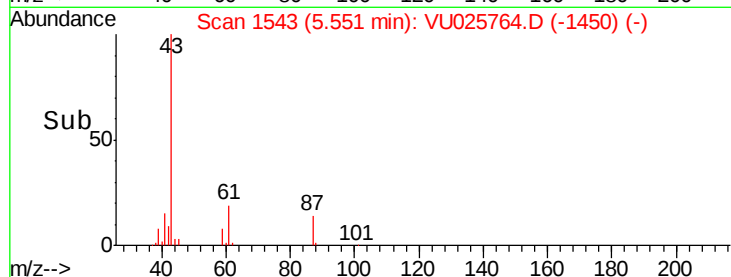
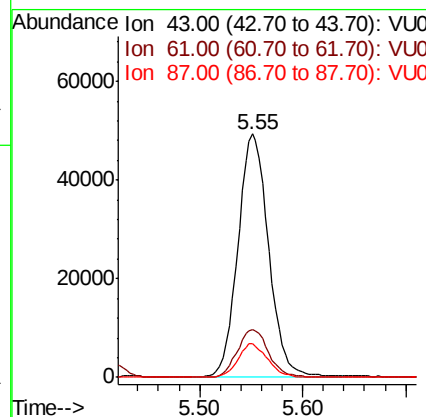
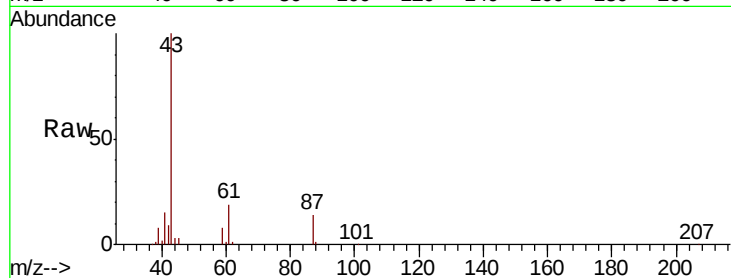
#43
Isopropyl Acetate
Concen: 32.209 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.5	23.3
87	13.2	10.6	16.0

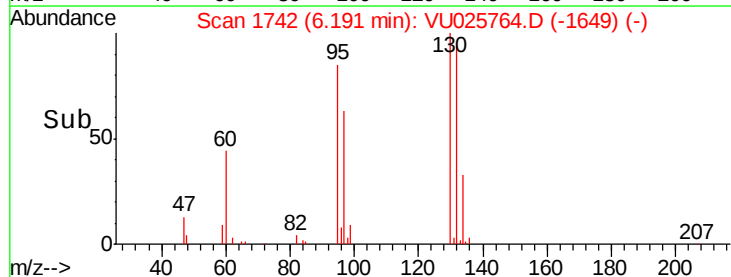
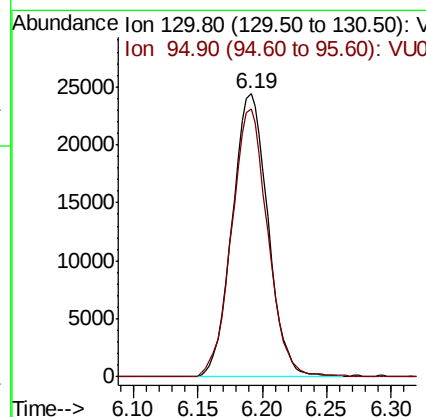
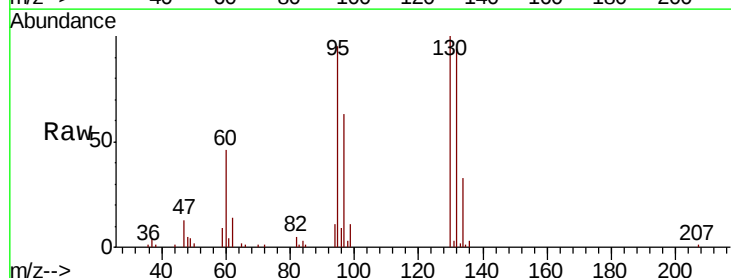
Manual Integrations
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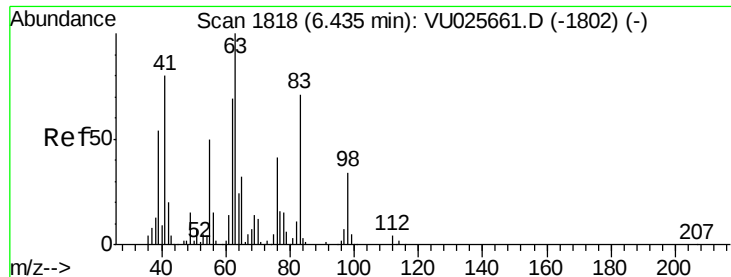
MMDadoda
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#44
Trichloroethene
Concen: 30.960 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	192.2





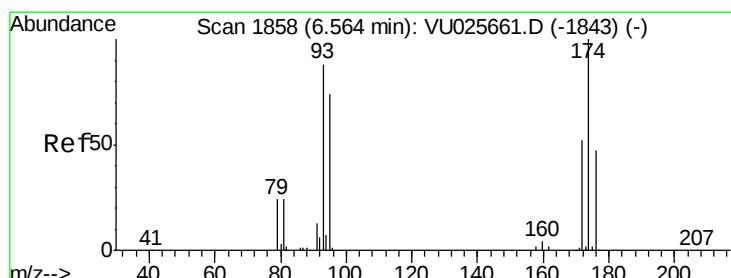
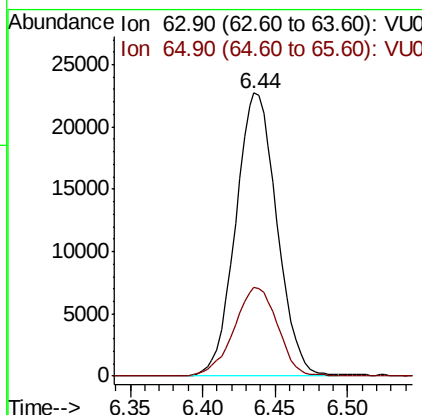
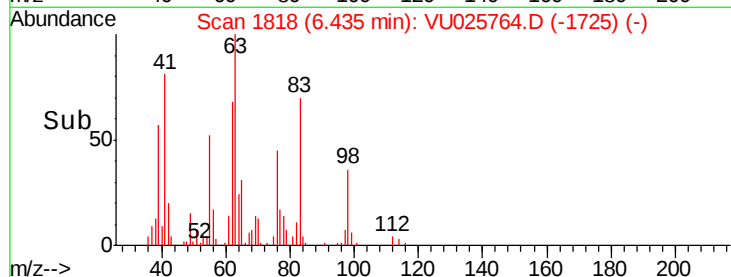
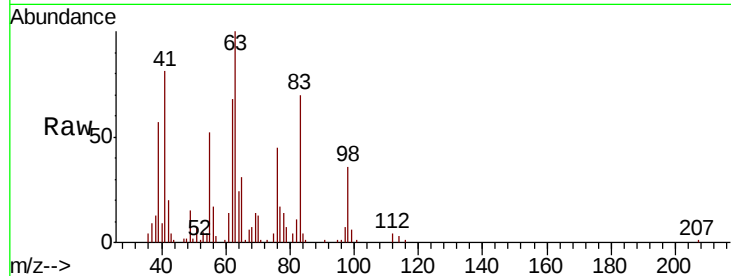
#45
 1,2-Dichloropropane
 Concen: 31.683 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0801WBSD02

Tot Ion: 63 Resp: 44918
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.1 39.1

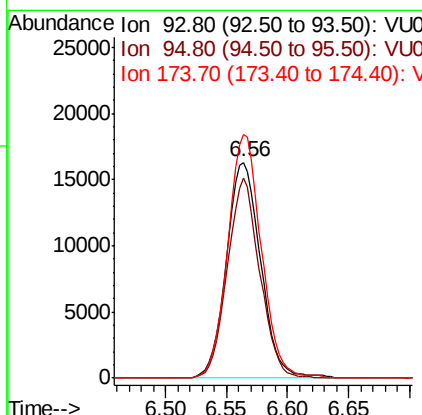
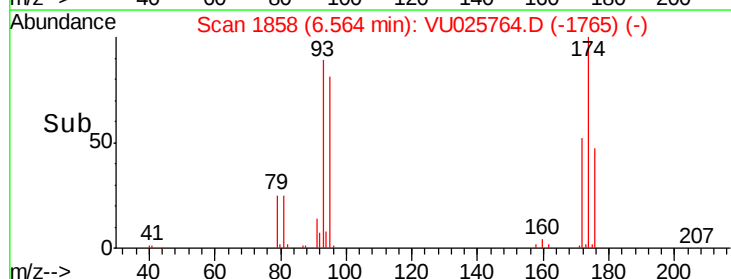
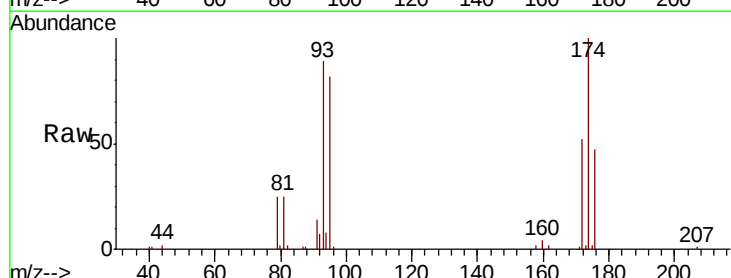
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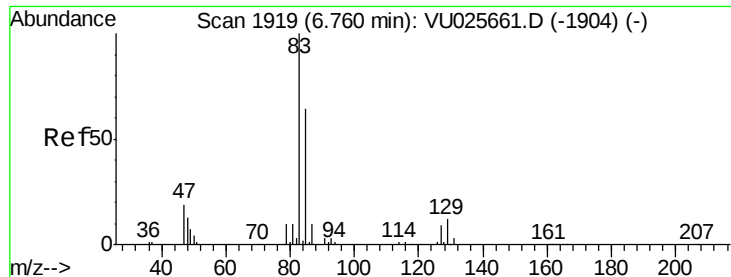
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#46
 Dibromomethane
 Concen: 30.984 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Tgt Ion: 93 Resp: 31829
 Ion Ratio Lower Upper
 93 100
 95 87.4 66.6 100.0
 174 110.7 85.8 128.8





#47

Bromodichloromethane

Concen: 32.323 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

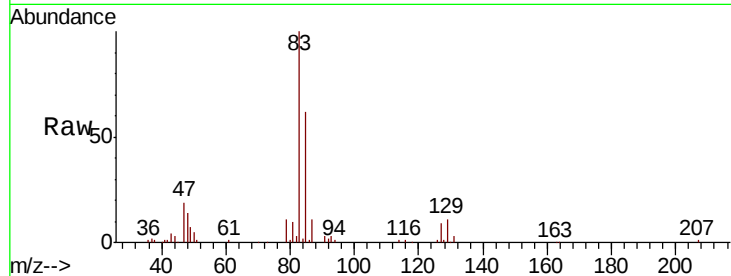
ClientSampleId :

VU0801WBSD02

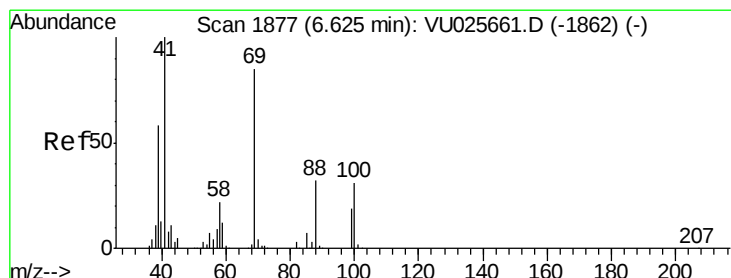
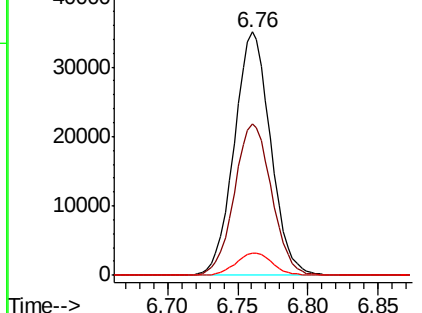
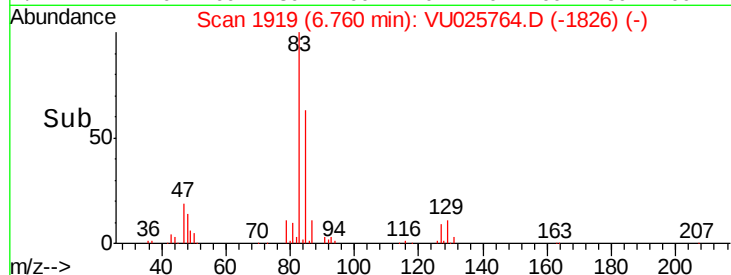
Tot Ion:	83	Resp:	63338
Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.2	75.4
127	9.0	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VU025764.D (-1826) (-)



#48

Methyl methacrylate

Concen: 32.790 ug/l

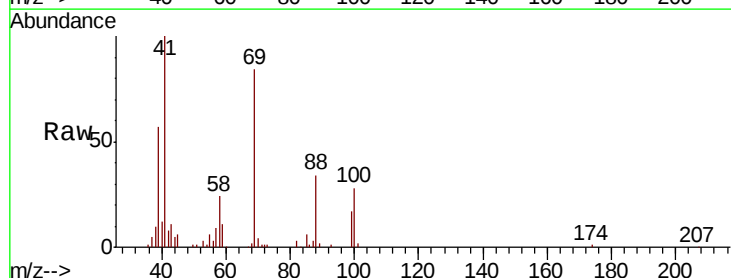
RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

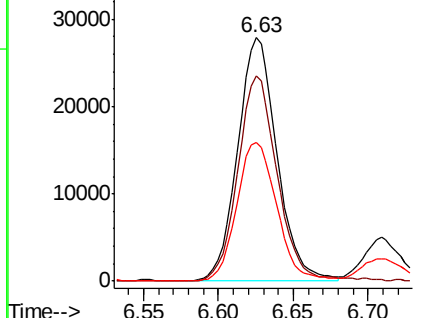
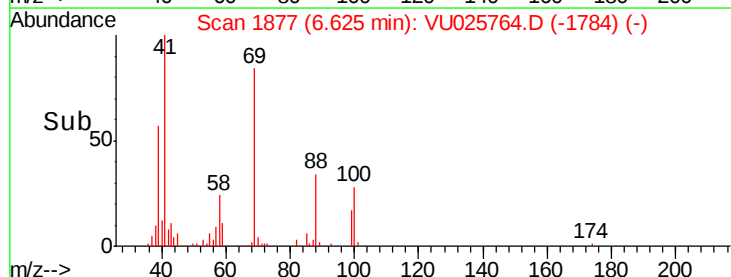
Lab File: VU025764.D

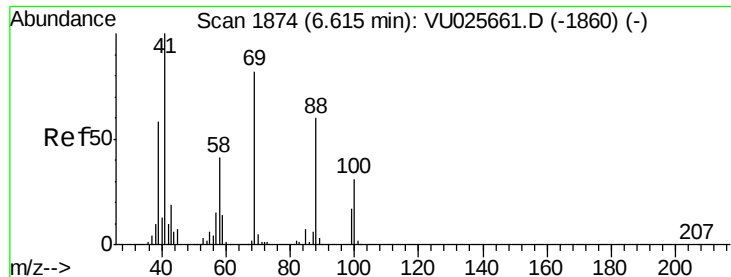
Acq: 01 Aug 2018 10:10

Tgt Ion:	41	Resp:	51210
Ion	Ratio	Lower	Upper
41	100		
69	83.9	65.0	97.4
39	57.6	46.4	69.6



Abundance Ion 41.00 (40.70 to 41.70): VU025764.D (-1784) (-)





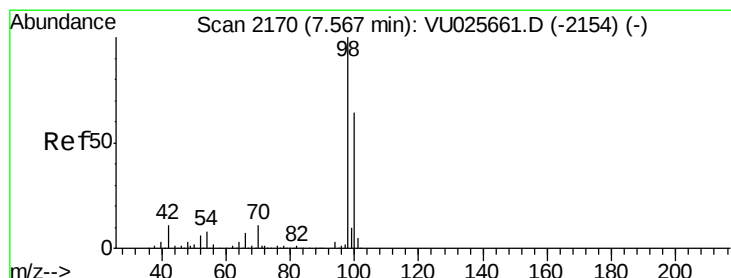
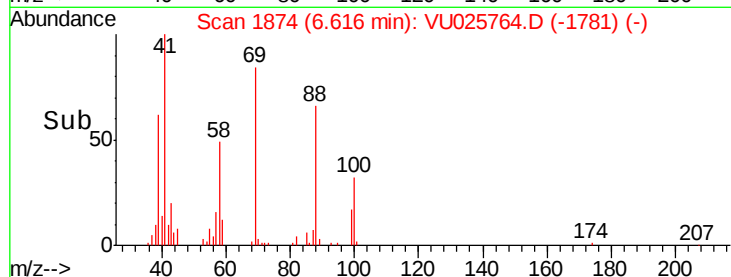
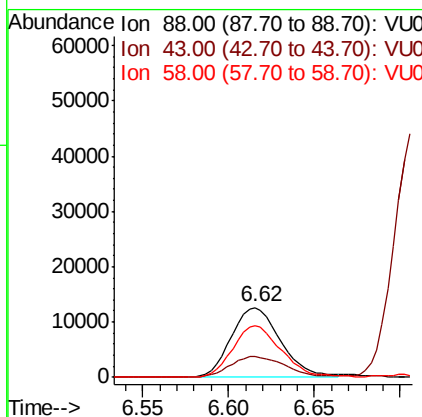
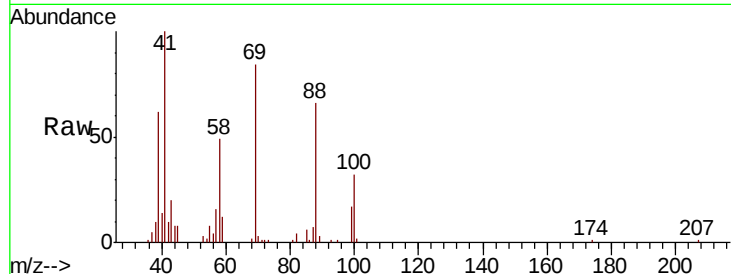
#49
1,4-Dioxane
Concen: 659.805 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	27.3	40.9
58	73.0	57.6	86.4

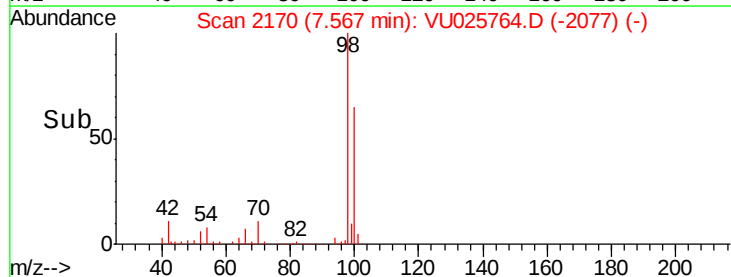
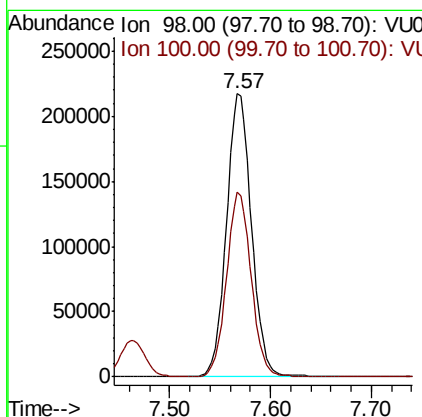
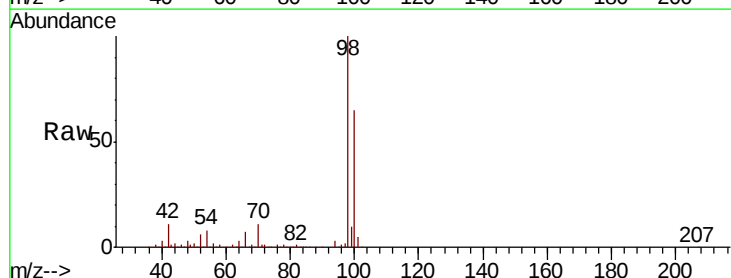
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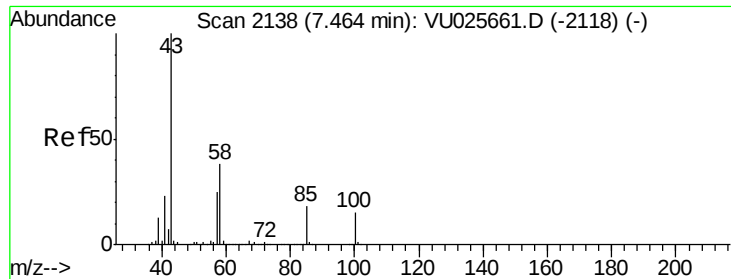
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#50
Toluene-d8
Concen: 77.821 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 163.965 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD02

Tot Ion: 43 Resp: 327106

Ion Ratio Lower Upper

43 100

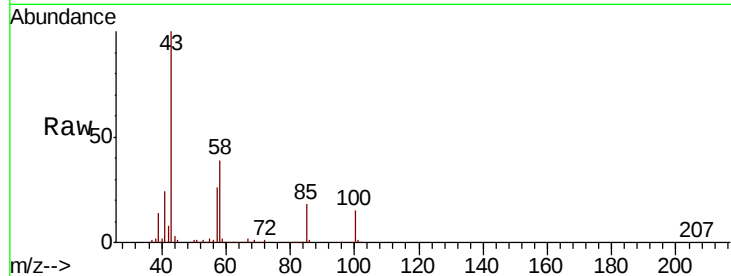
58 38.5 31.0 46.4

Manual Integrations

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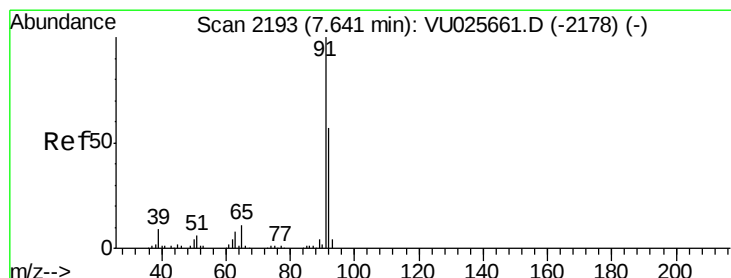
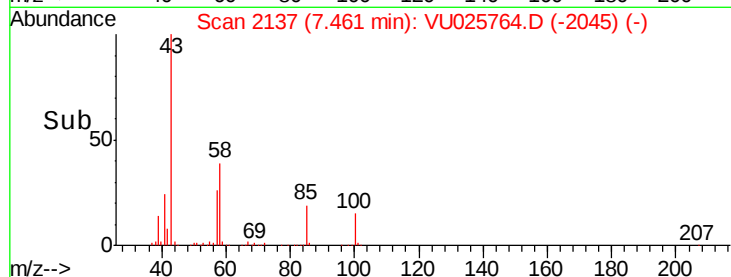
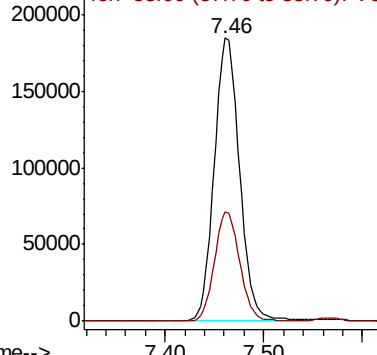
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 31.638 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025764.D

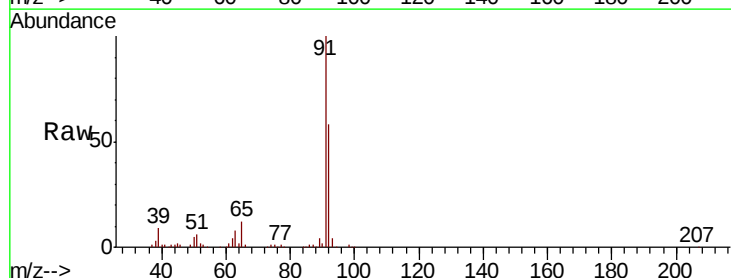
Acq: 01 Aug 2018 10:10

Tgt Ion: 92 Resp: 106848

Ion Ratio Lower Upper

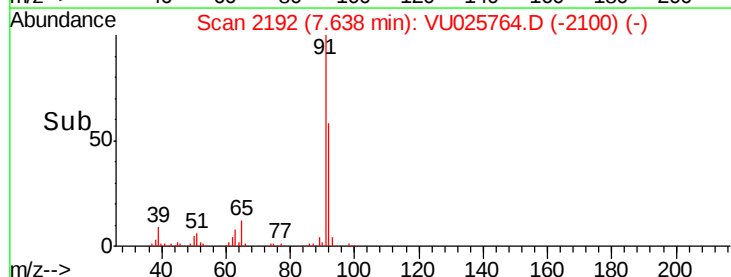
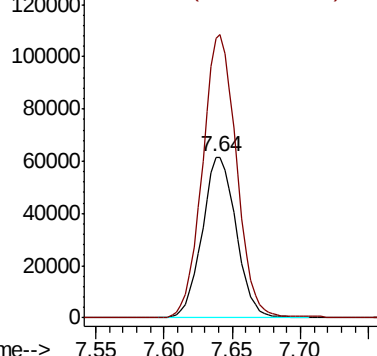
92 100

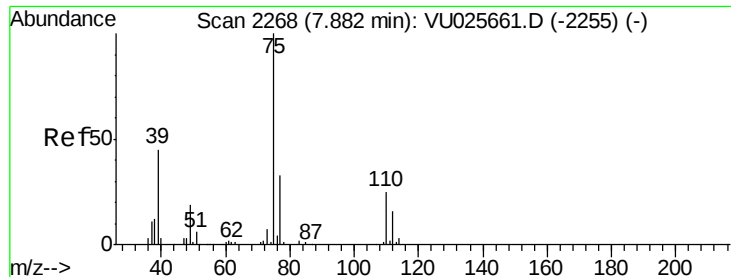
91 175.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 31.882 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD02

Tot Ion: 75 Resp: 70146

Ion Ratio Lower Upper

75 100

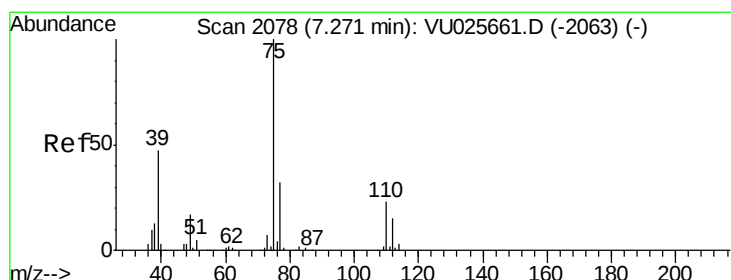
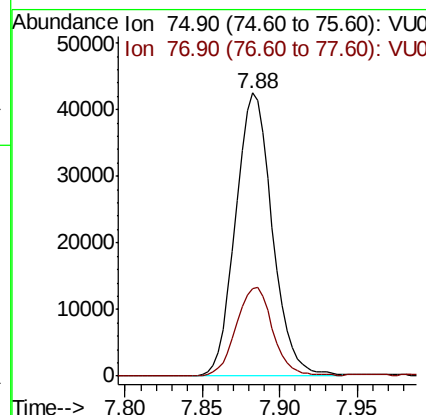
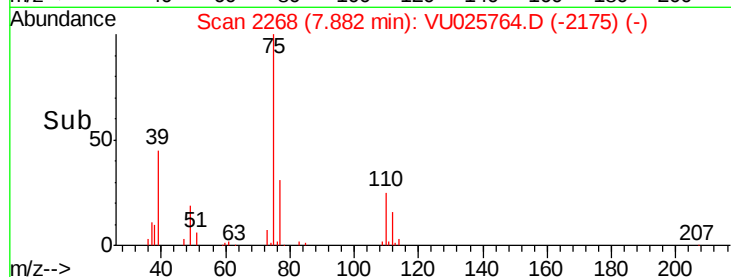
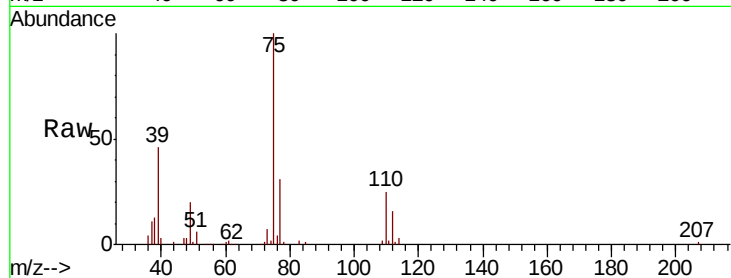
77 31.1 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 32.457 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

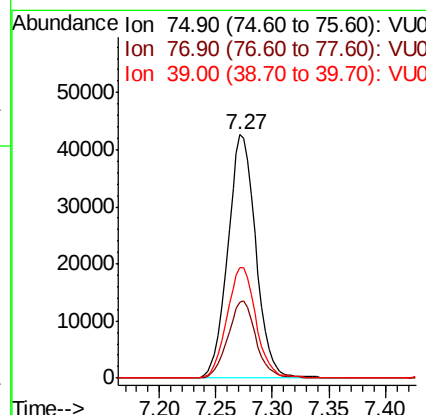
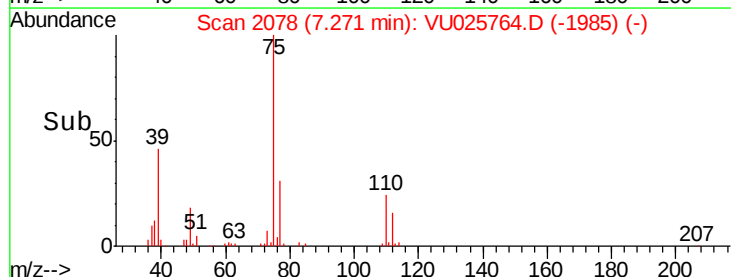
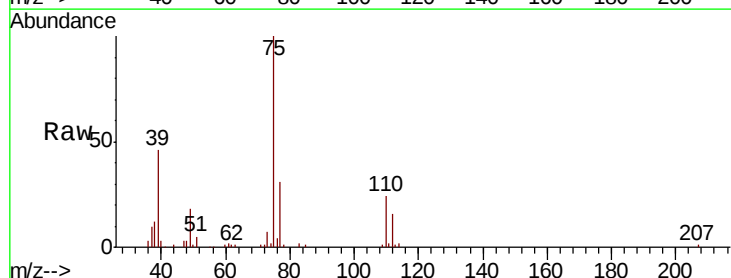
Tgt Ion: 75 Resp: 73356

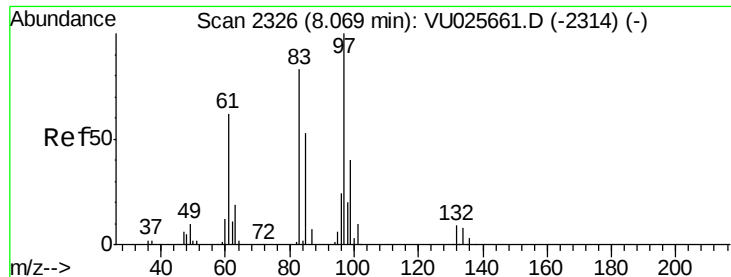
Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

39 45.5 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 32.318 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

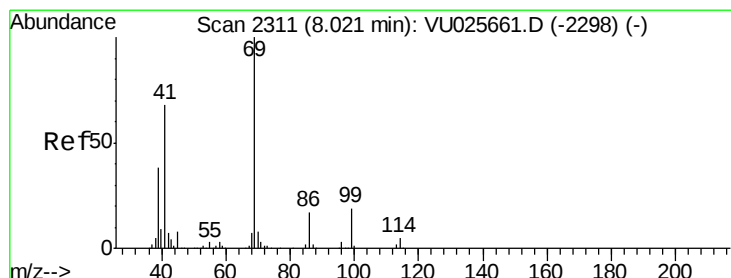
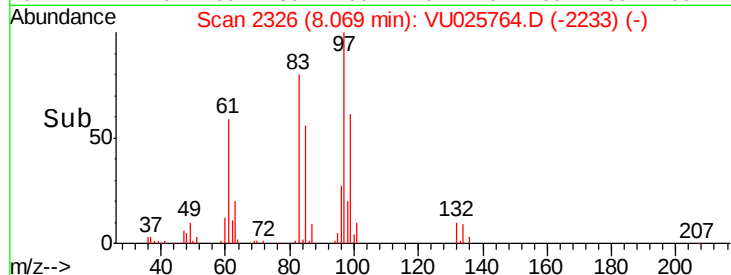
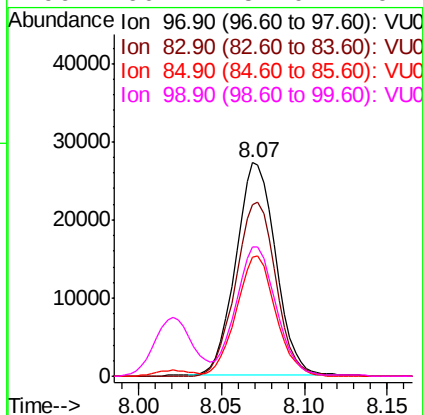
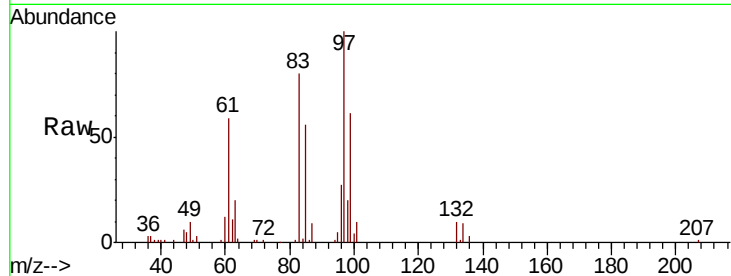
ClientSampleId :

VU0801WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		45357		
83	80.9	68.9	103.3		
85	56.0	44.4	66.6		
99	60.1	51.0	76.4		

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#56

Ethyl methacrylate

Concen: 32.041 ug/l

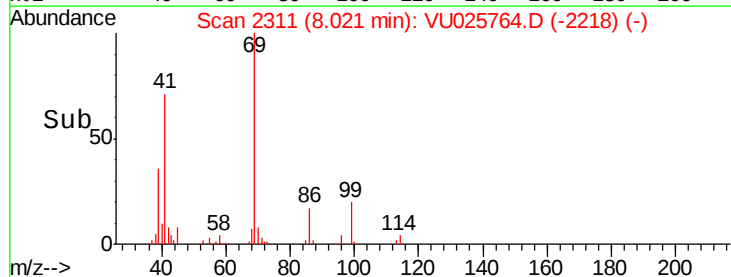
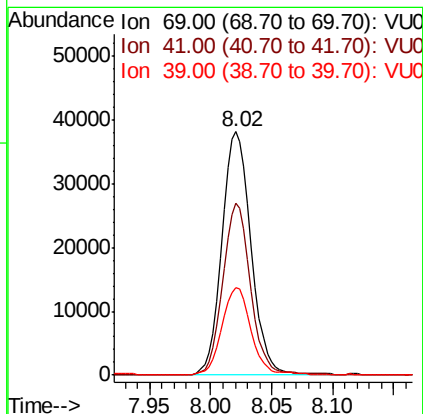
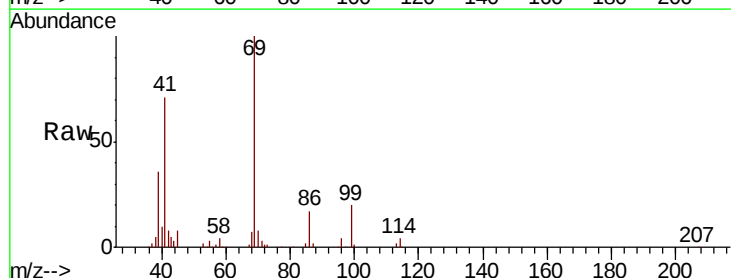
RT: 8.02 min Scan# 2311

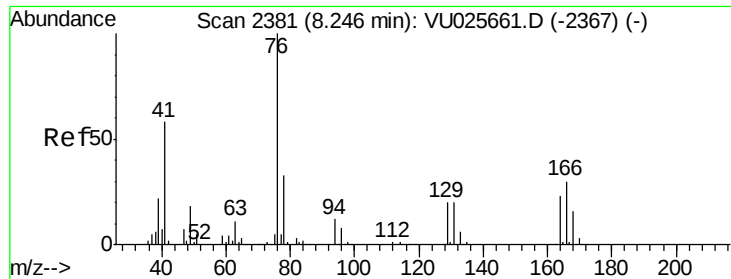
Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		64251		
41	67.6	54.8	82.2		
39	36.3	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 32.023 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Tot Ion: 76 Resp: 75581

Ion Ratio Lower Upper

76 100

78 31.9 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

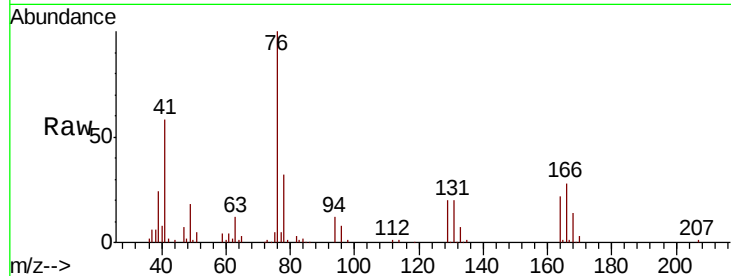
VU0801WBSD02

Manual Integrations

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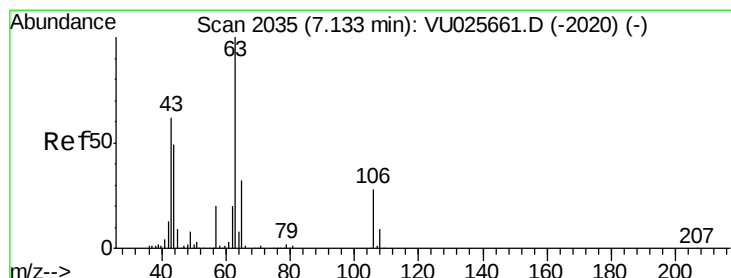
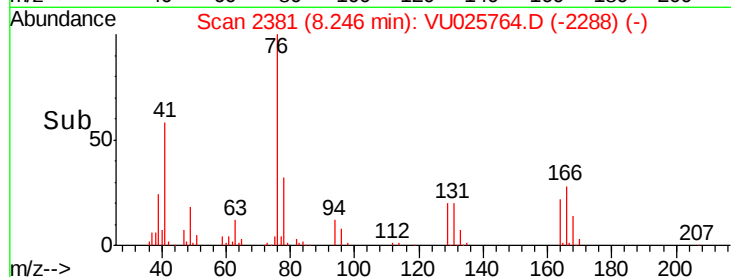


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 136.102 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025764.D

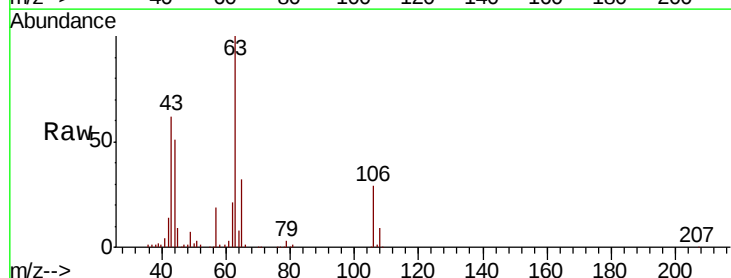
Acq: 01 Aug 2018 10:10

Tgt Ion: 63 Resp: 120576

Ion Ratio Lower Upper

63 100

106 28.5 22.3 33.5

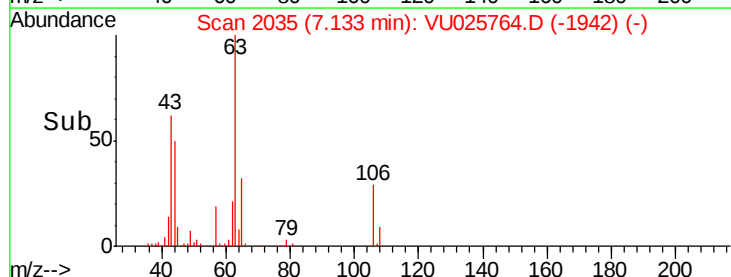


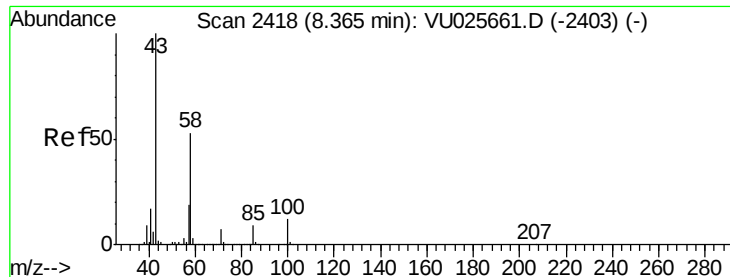
Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

Time-->





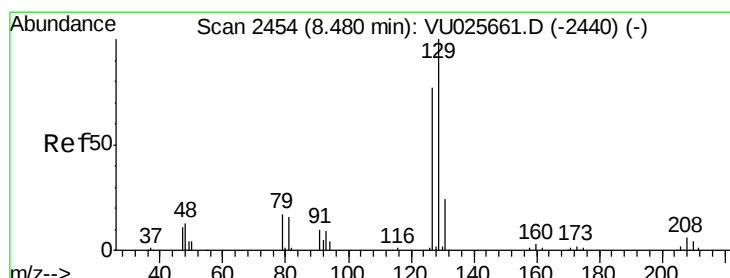
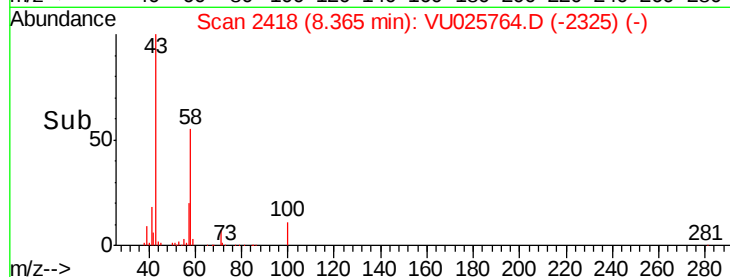
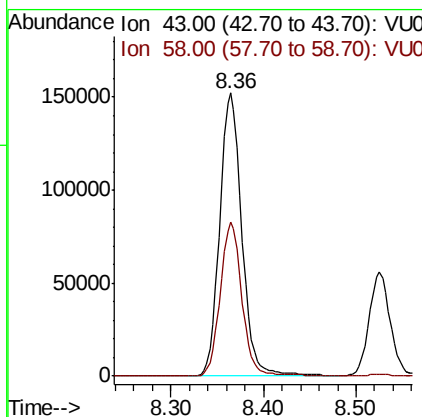
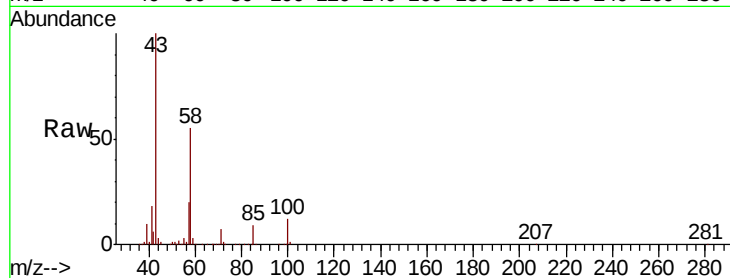
#59
2-Hexanone
Concen: 161.301 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.2	78.5

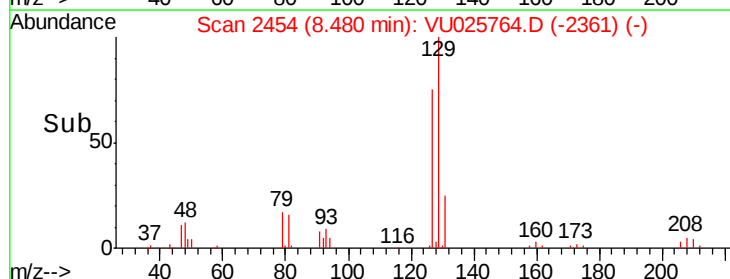
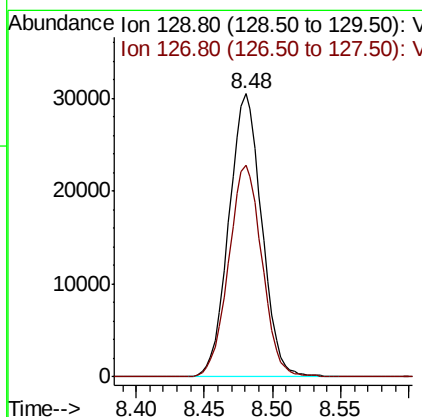
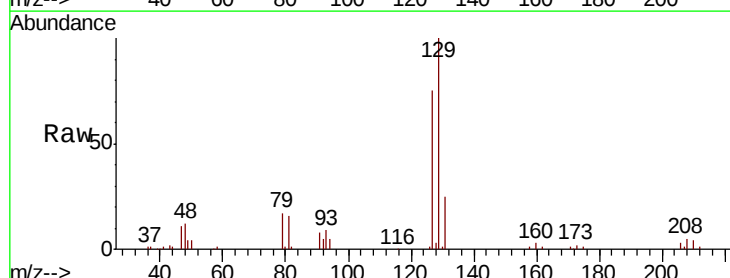
Manual Integrations
APPROVED

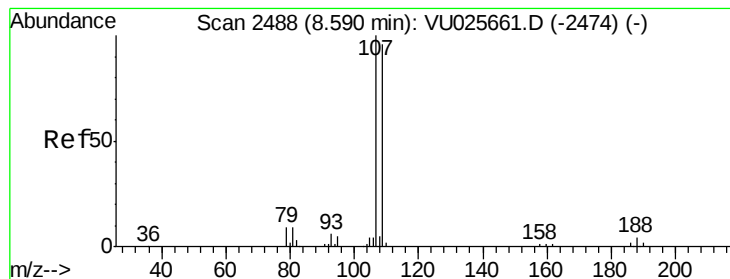
MMDadoda
8/2/2018 9:41:24 AM



#60
Dibromochloromethane
Concen: 30.828 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.6	115.8





#61

1,2-Dibromoethane

Concen: 31.956 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD02

Tot Ion: 107 Resp: 49879

Ion Ratio Lower Upper

107 100

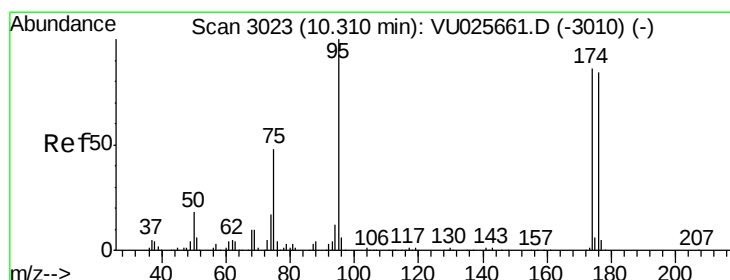
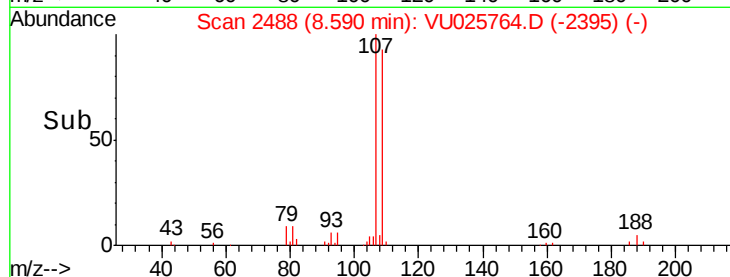
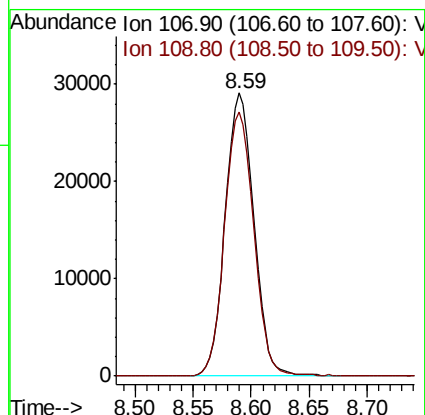
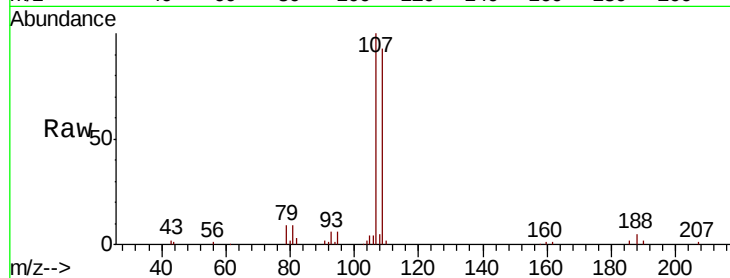
109 94.6 75.8 113.8

Manual Integrations

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MMDadoda

8/2/2018 9:41:24 AM



#62

4-Bromofluorobenzene

Concen: 76.371 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

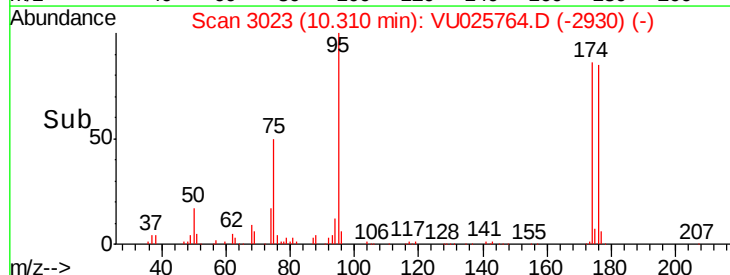
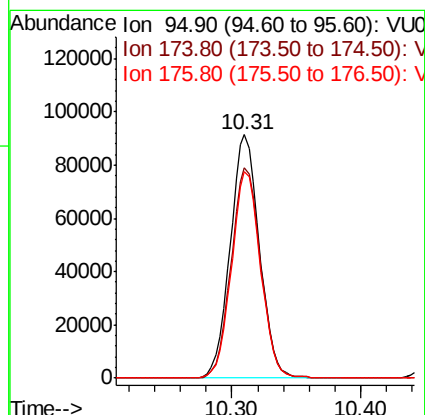
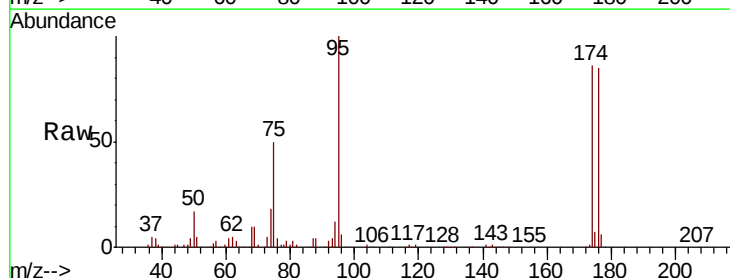
Tgt Ion: 95 Resp: 143569

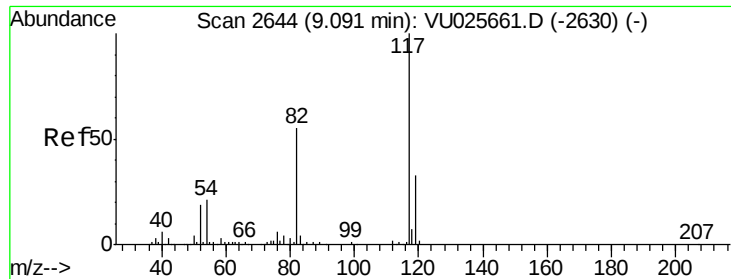
Ion Ratio Lower Upper

95 100

174 87.3 0.0 172.2

176 84.3 0.0 162.6





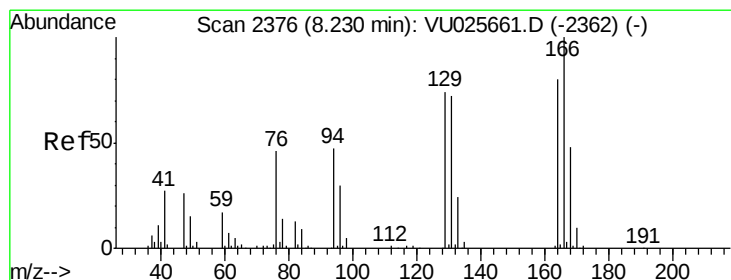
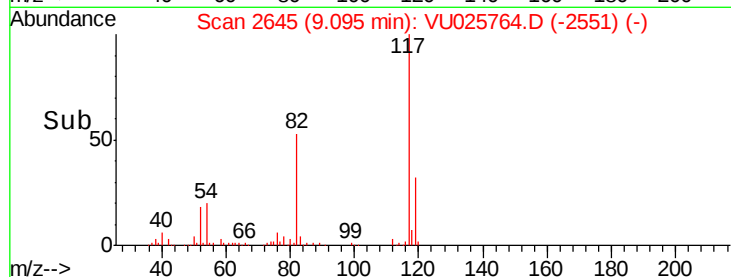
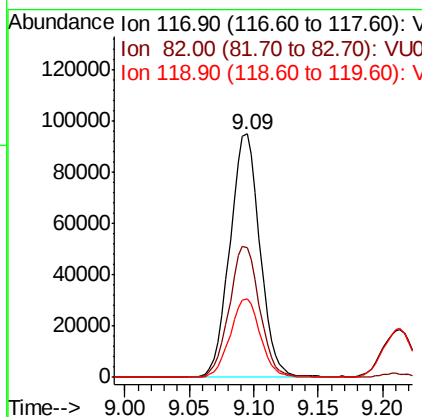
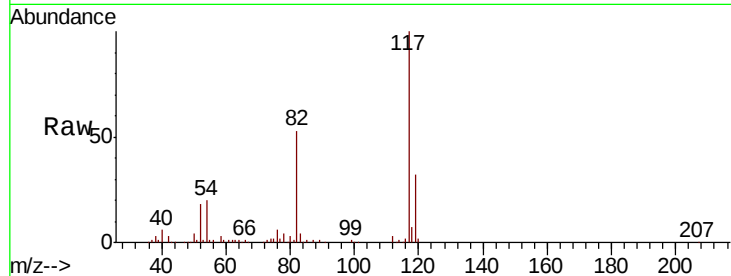
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	153586		
82	53.5	46.0	69.0	
119	32.4	26.0	39.0	

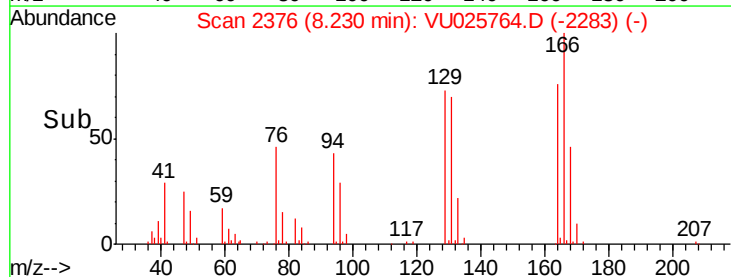
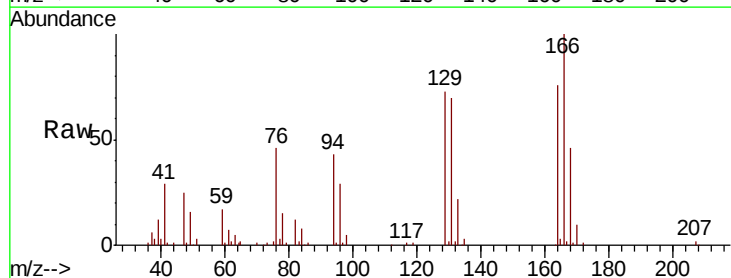
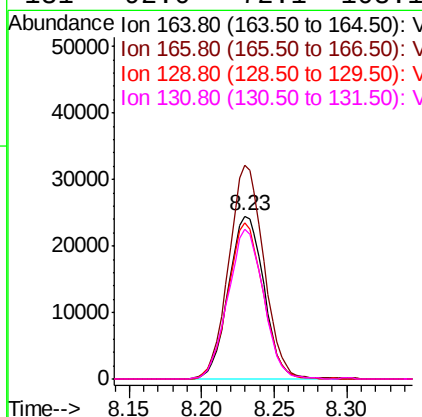
Manual Integrations
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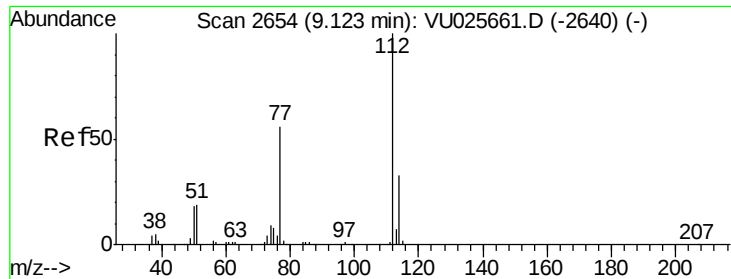
MMDadoda
8/2/2018 9:41:24 AM



#64
Tetrachloroethene
Concen: 30.735 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41550		
166	130.9	101.1	151.7	
129	95.8	73.0	109.6	
131	92.0	72.1	108.1	





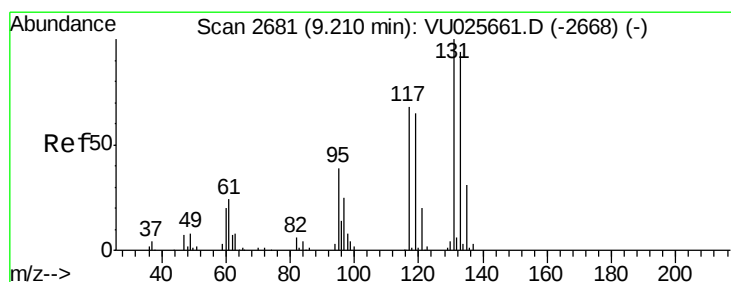
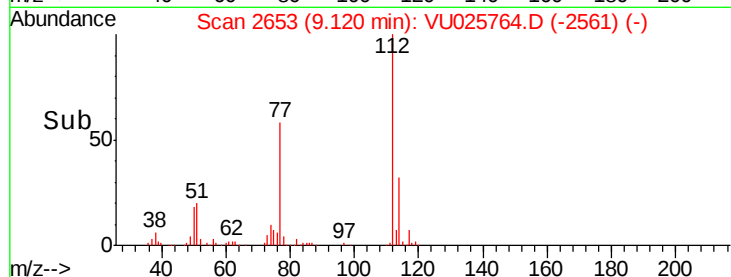
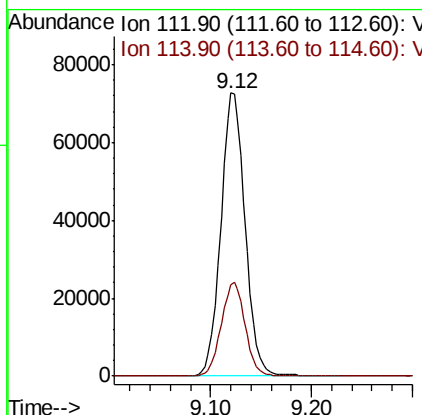
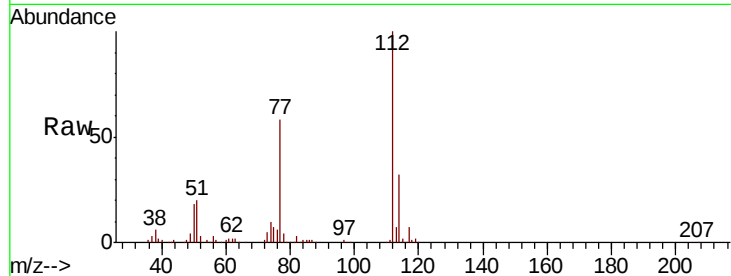
#65
Chlorobenzene
Concen: 30.818 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.8

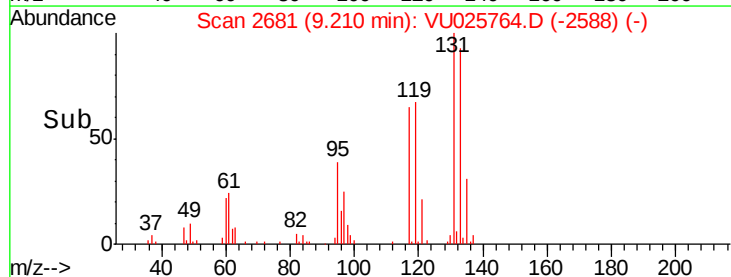
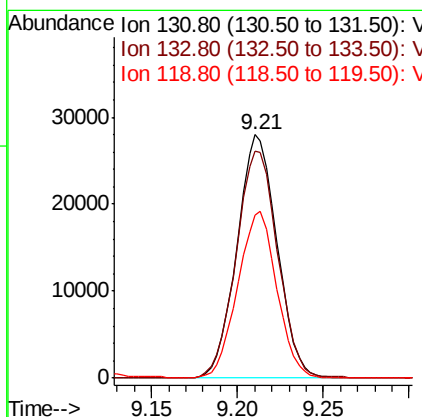
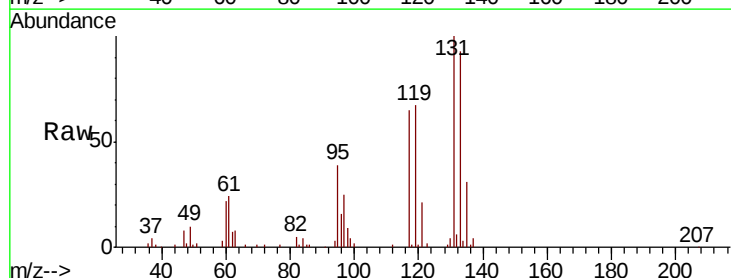
Manual Integrations
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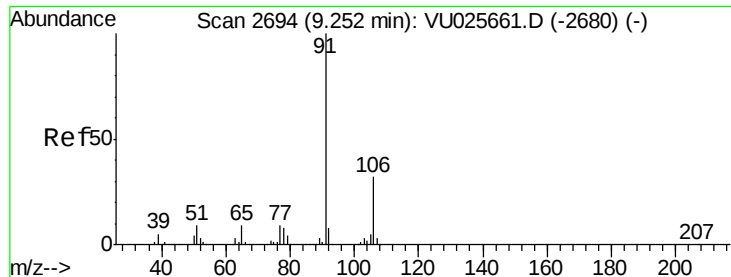
MMDadoda
8/2/2018 9:41:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 31.552 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.8	143.3
119	67.1	31.6	95.0





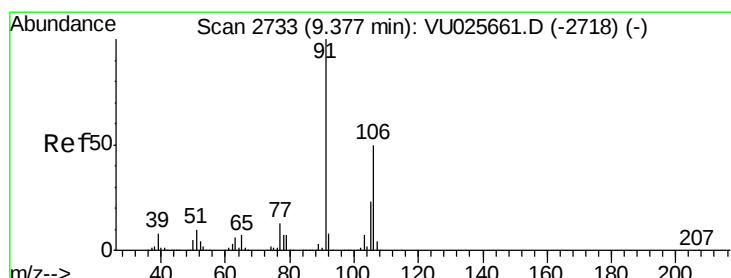
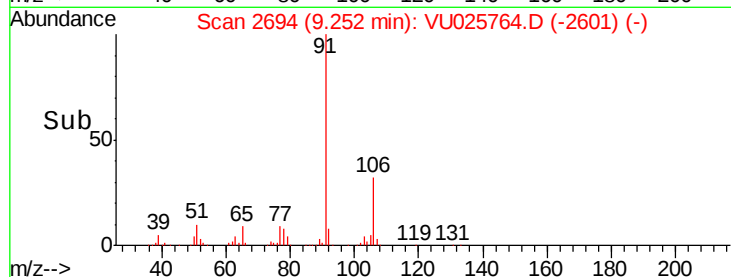
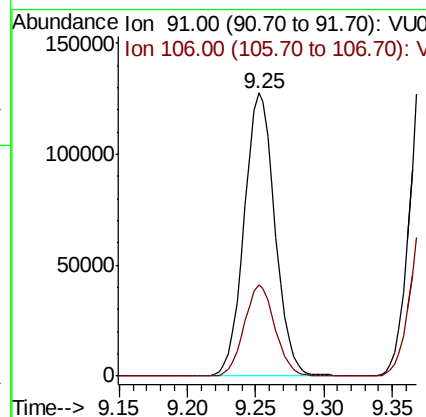
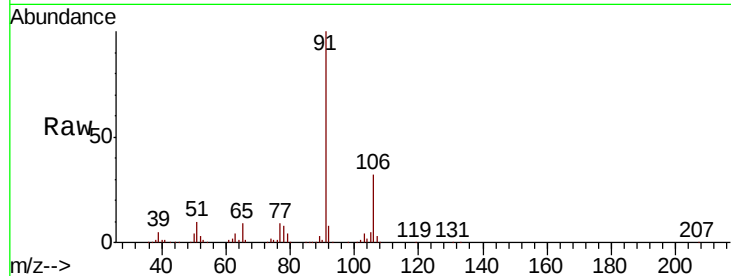
#67
Ethyl Benzene
Concen: 30.473 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion: 91 Resp: 199876
Ion Ratio Lower Upper
91 100
106 32.2 25.3 37.9

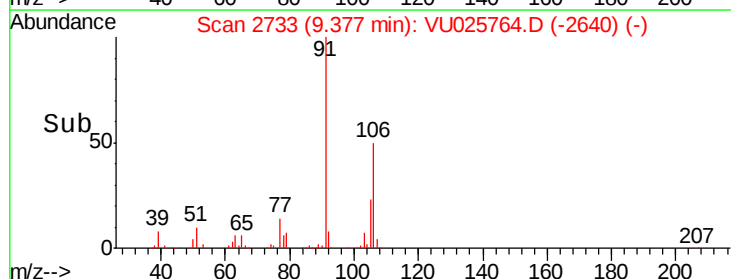
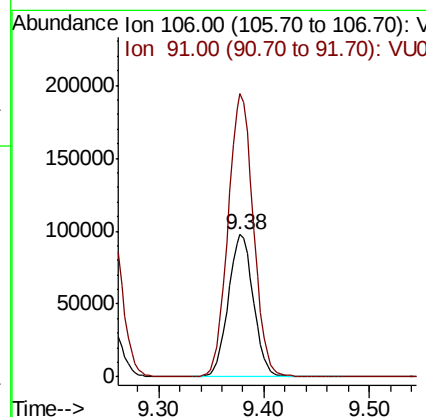
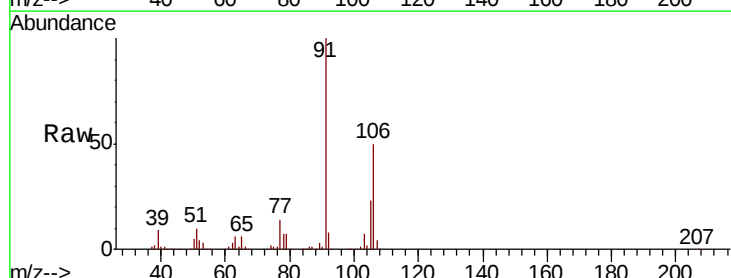
Manual Integrations
APPROVED

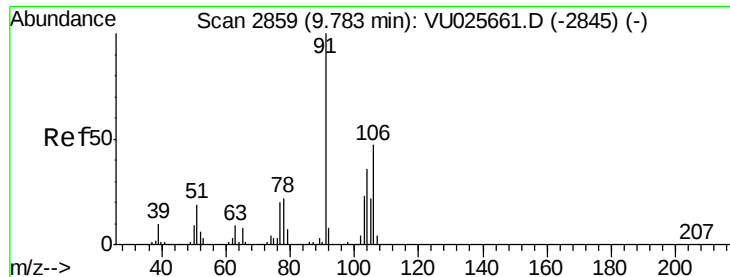
MMDadoda
8/2/2018 9:41:24 AM



#68
m/p-Xylenes
Concen: 63.625 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion: 106 Resp: 160220
Ion Ratio Lower Upper
106 100
91 200.2 162.3 243.5





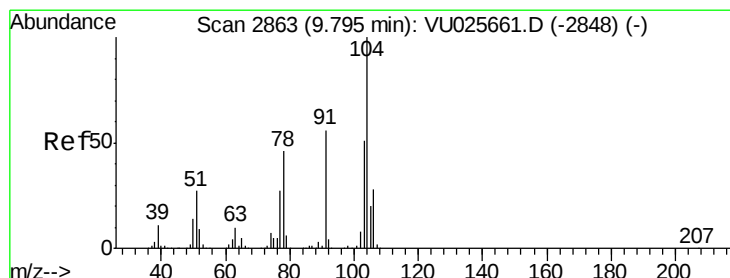
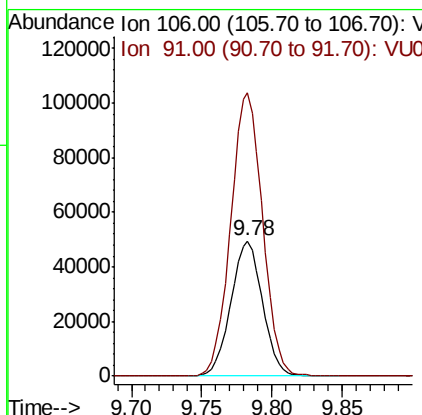
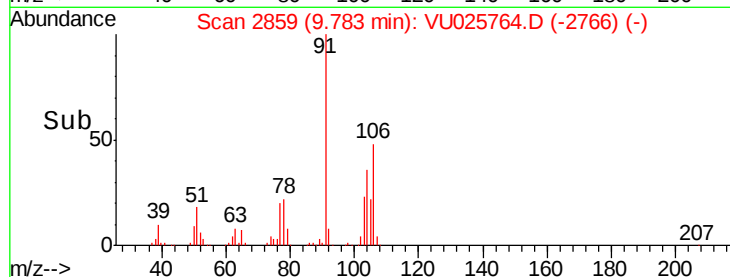
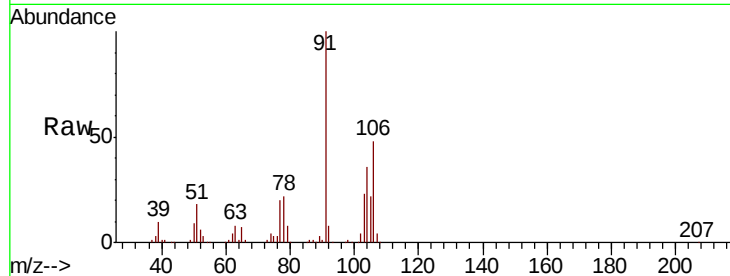
#69
o-Xylene
Concen: 31.658 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		77913		
91	210.4	105.3	315.8		

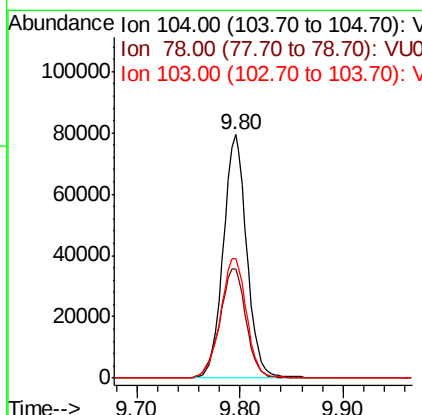
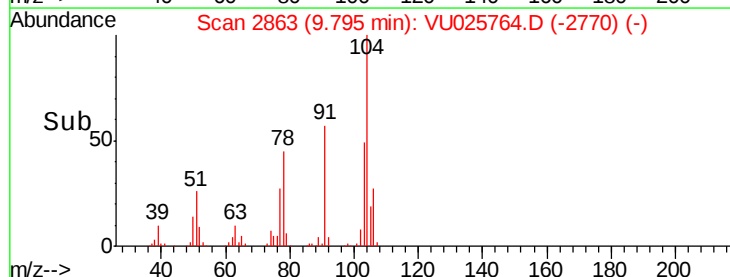
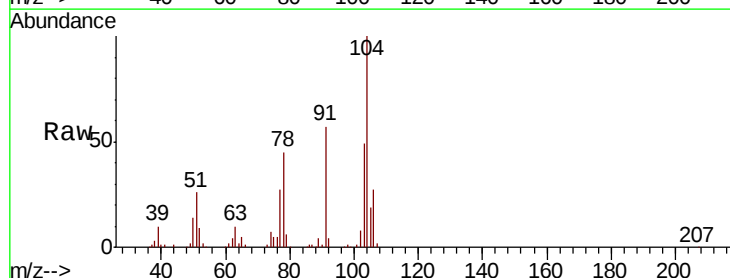
Manual Integrations
APPROVED

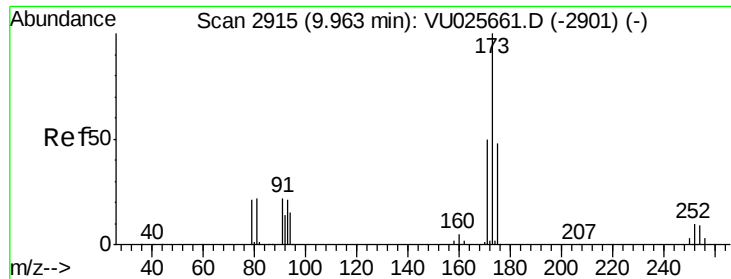
MMDadoda
8/2/2018 9:41:24 AM



#70
Styrene
Concen: 31.728 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		126132		
78	49.5	41.6	62.4		
103	54.3	44.6	66.8		





#71

Bromoform

Concen: 31.453 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

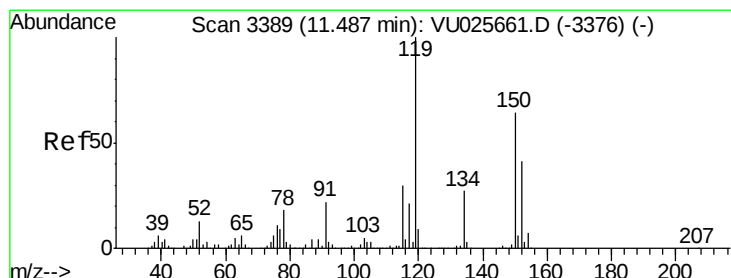
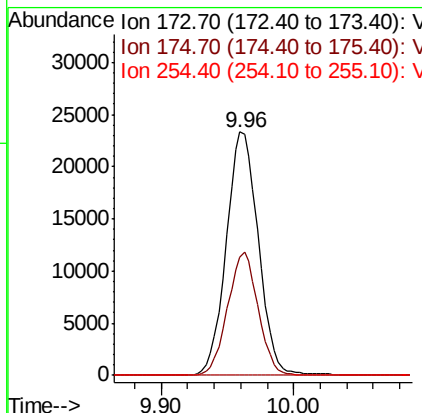
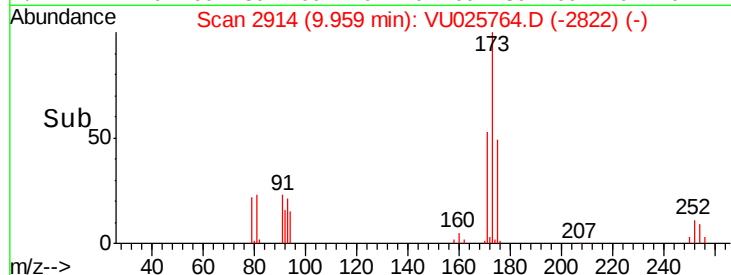
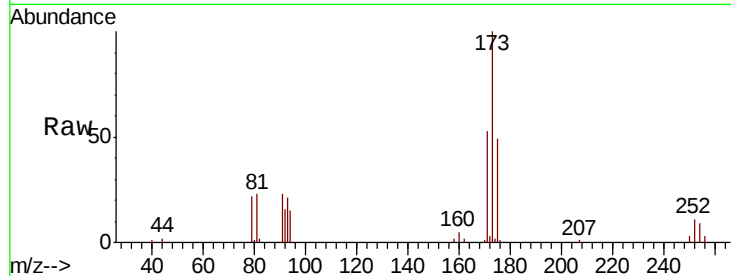
ClientSampleId :

VU0801WBSD02

Tot Ion:	173	Resp:	39067
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:41:24 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

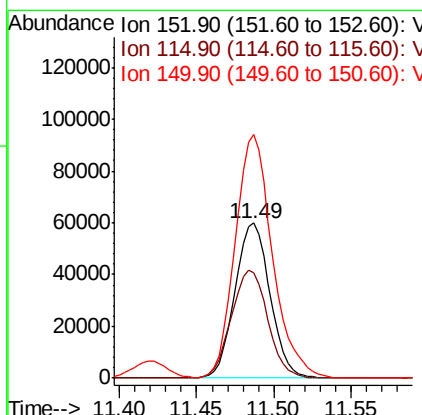
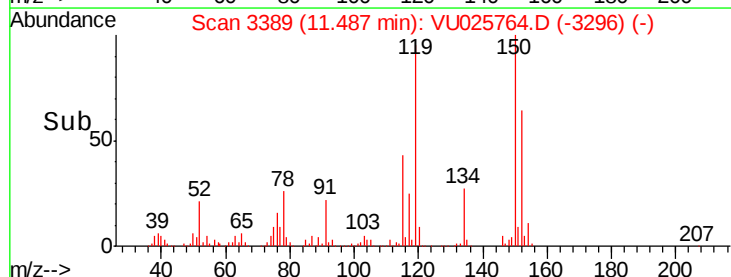
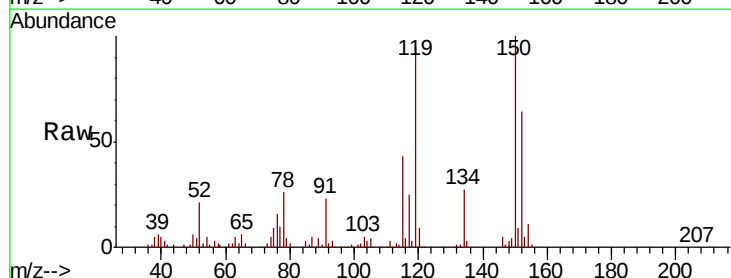
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Tgt Ion:	152	Resp:	94234
Ion Ratio	Lower	Upper	
152	100		
115	72.2	40.1	120.3
150	166.5	0.0	351.4





#73

Isopropylbenzene

Concen: 32.091 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD02

Tot Ion:105 Resp: 206395

Ion Ratio Lower Upper

105 100

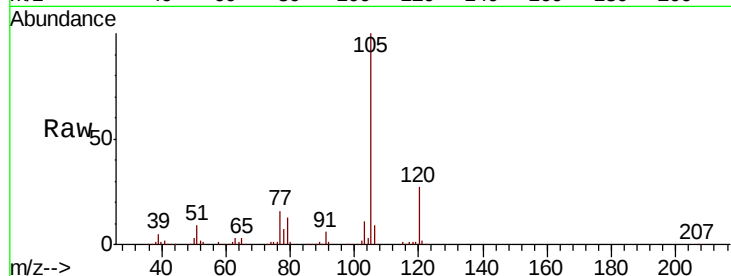
120 26.5 13.5 40.5

Manual Integrations

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MMDadoda

8/2/2018 9:41:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

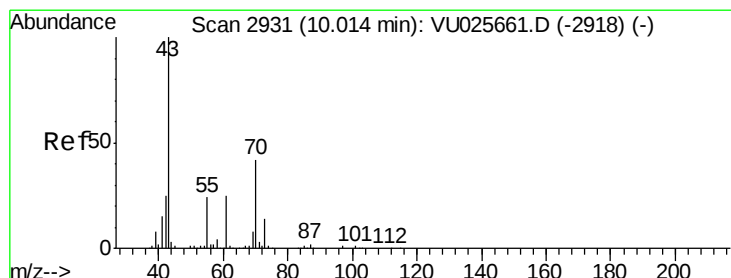
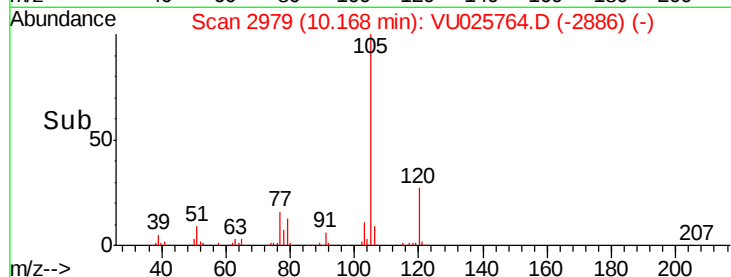
10.17

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 33.085 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Tgt Ion: 43 Resp: 86870

Ion Ratio Lower Upper

43 100

70 41.1 33.4 50.2

55 24.4 19.0 28.6

61 23.4 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

80000

10.01

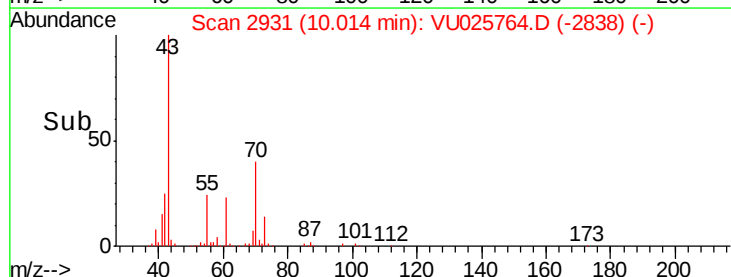
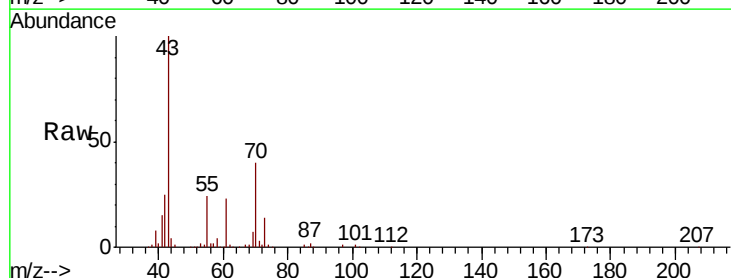
60000

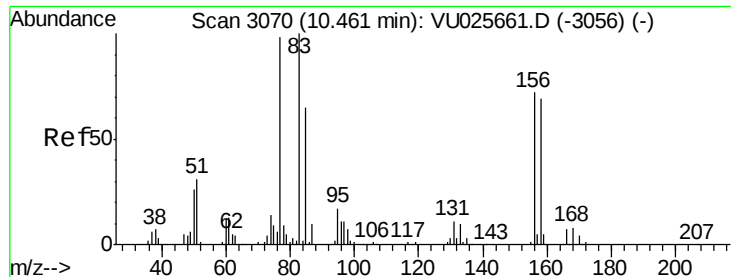
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 33.346 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD02

Tot Ion: 83 Resp: 74166

Ion Ratio Lower Upper

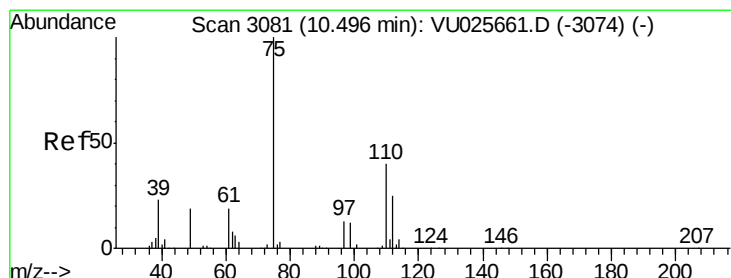
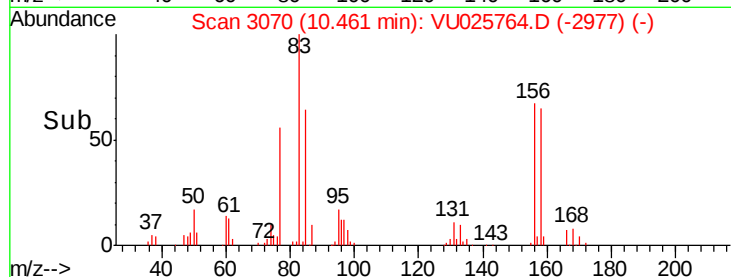
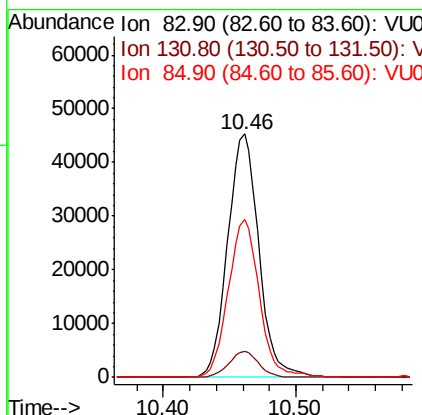
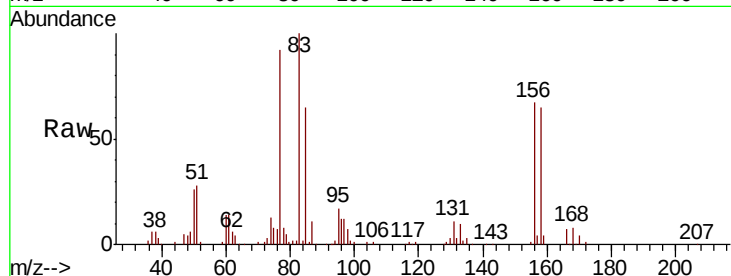
83 100

131 10.1 5.5 16.4

85 64.5 31.6 94.8

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#76

1,2,3-Trichloropropane

Concen: 31.978 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025764.D

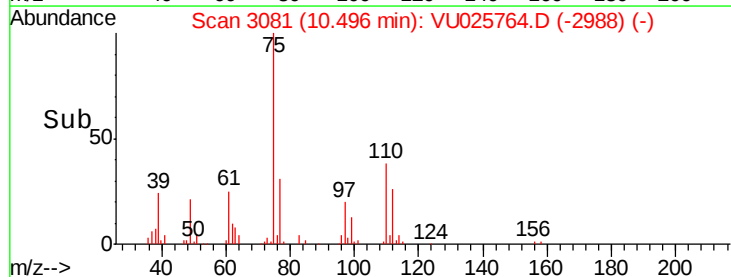
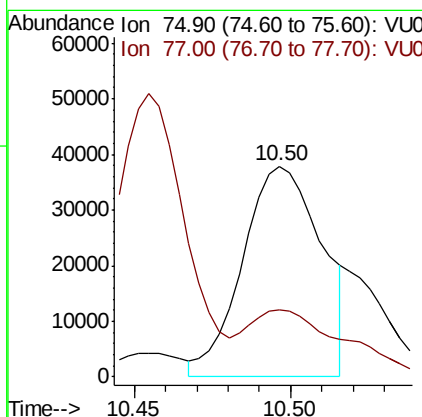
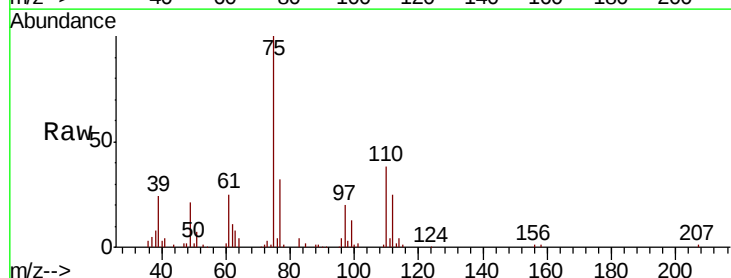
Acq: 01 Aug 2018 10:10

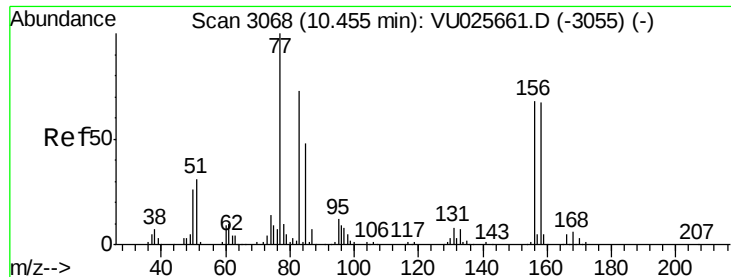
Tgt Ion: 75 Resp: 66396

Ion Ratio Lower Upper

75 100

77 40.3 20.4 61.3





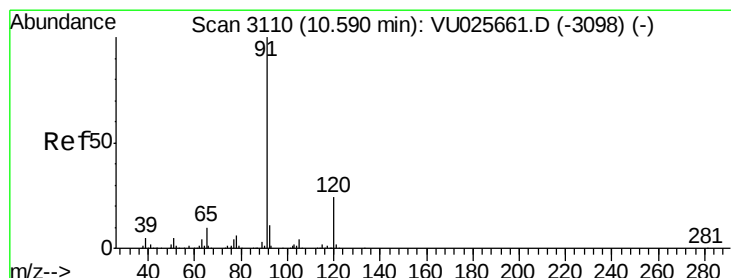
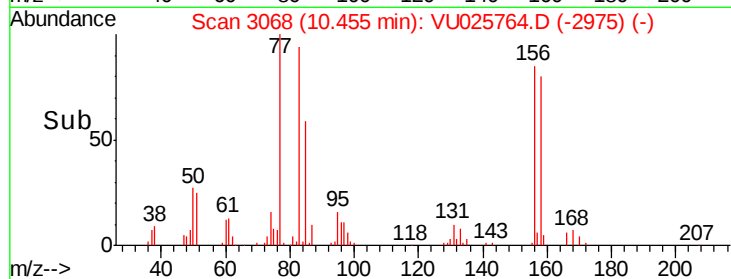
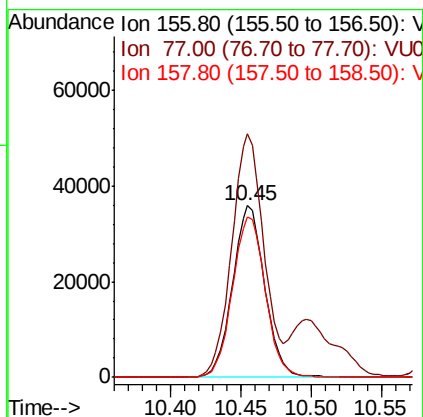
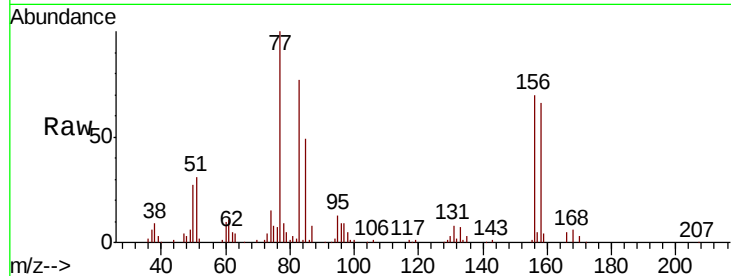
#77
Bromobenzene
Concen: 32.315 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.0	73.8	221.4
158	95.6	48.0	144.0

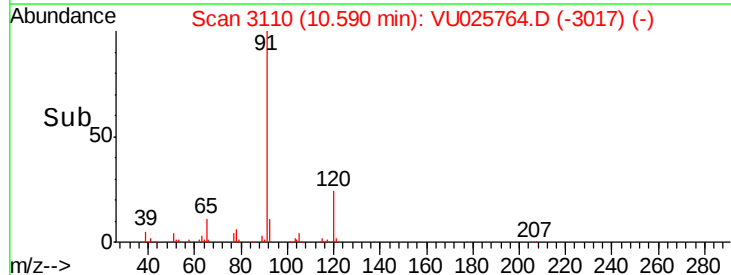
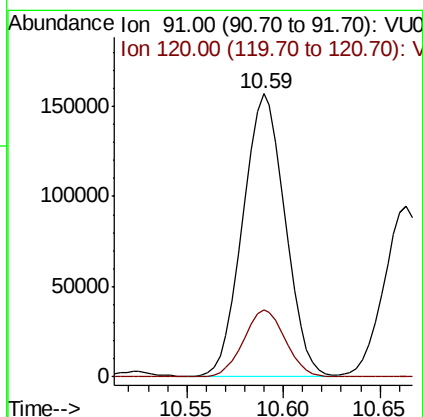
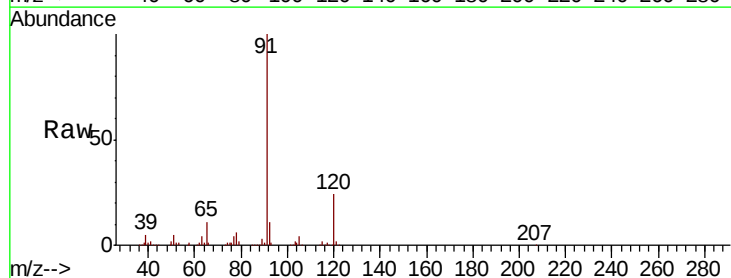
Manual Integrations
APPROVED

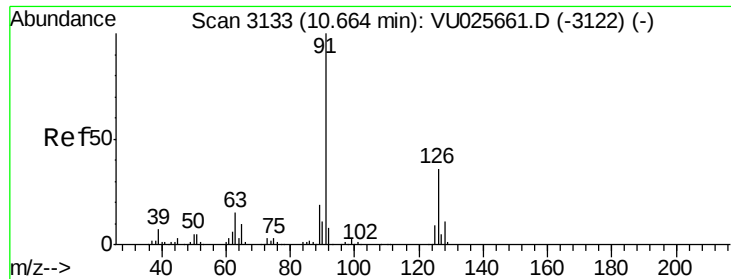
MMDadoda
8/2/2018 9:41:24 AM



#78
n-propylbenzene
Concen: 31.925 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 32.848 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampled :

VU0801WBSD02

Tot Ion: 91 Resp: 144431

Ion Ratio Lower Upper

91 100

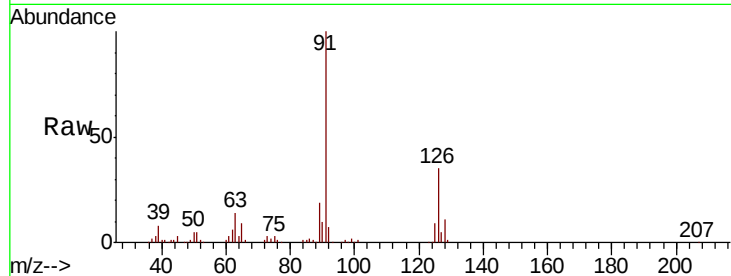
126 35.0 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU025764.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025764.D (-3122) (-)

150000

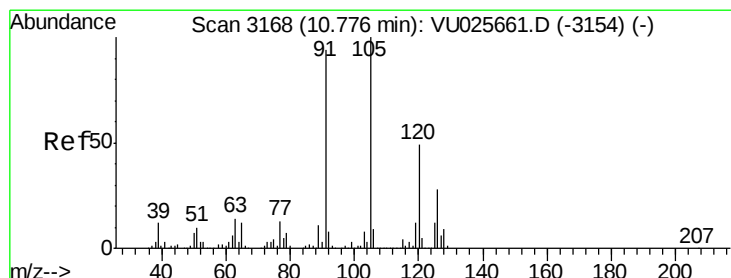
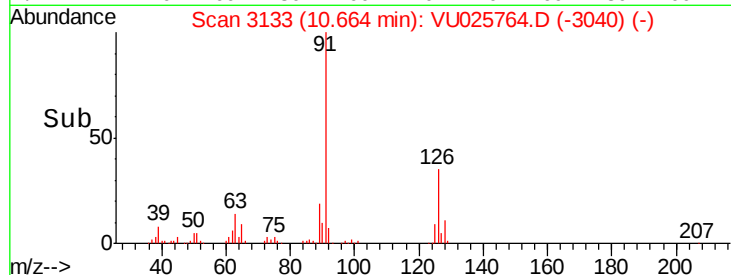
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 32.635 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025764.D

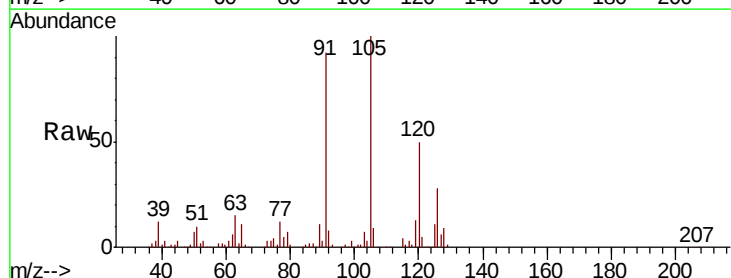
Acq: 01 Aug 2018 10:10

Tgt Ion:105 Resp: 178262

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025764.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025764.D (-3154) (-)

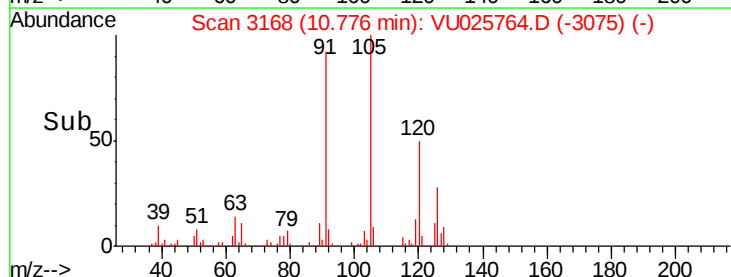
100000

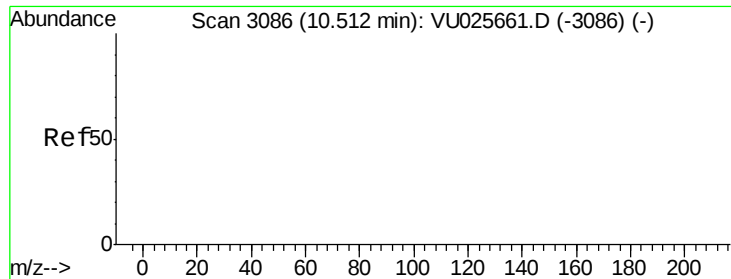
50000

0

10.70 10.75 10.80 10.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.399 ug/l m

RT: 10.52 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VU025764.D

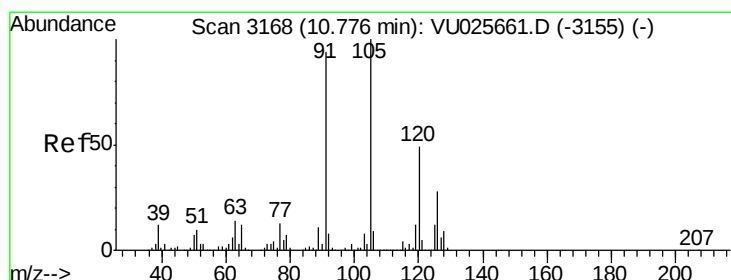
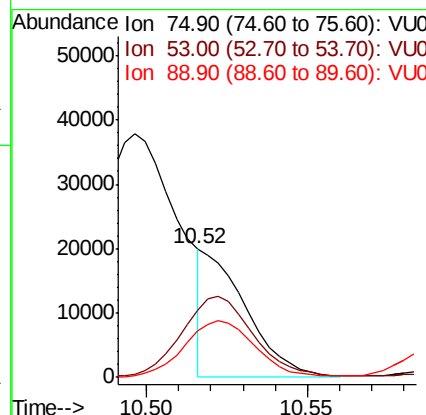
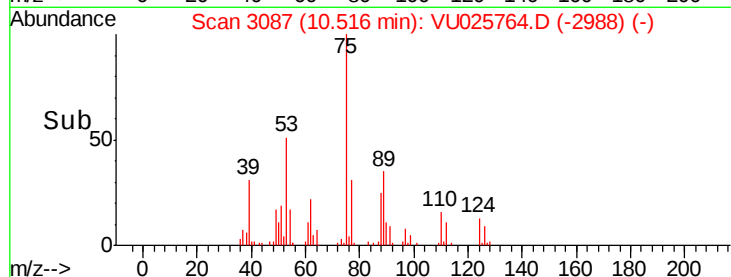
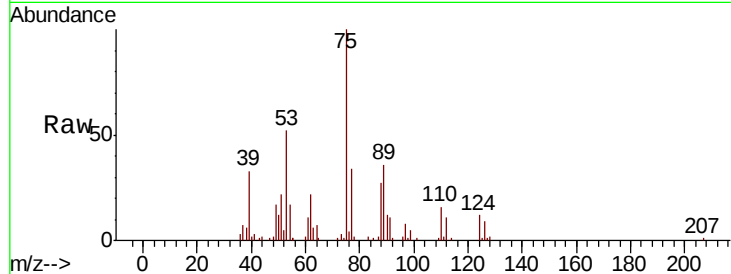
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 32.121 ug/l

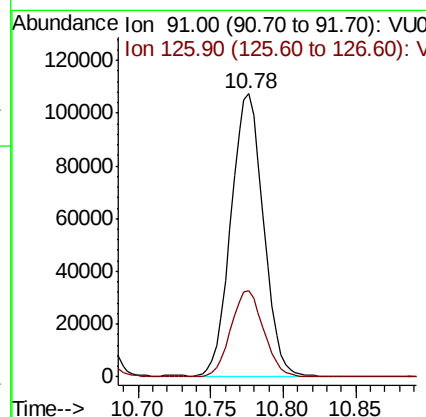
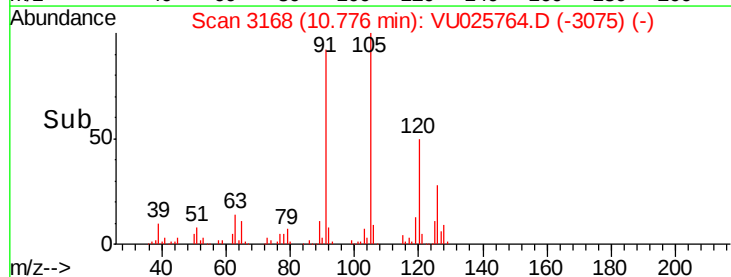
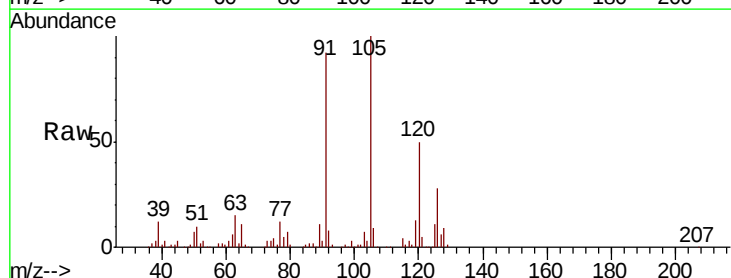
RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.3	45.9





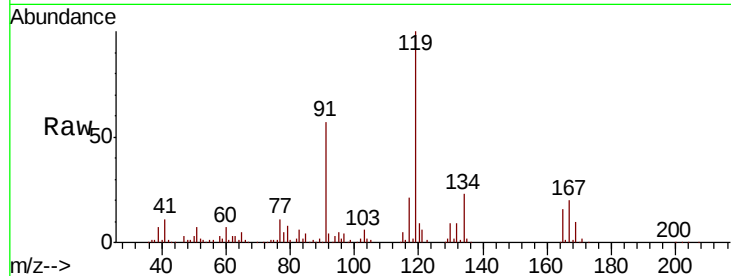
#83
tert-Butylbenzene
Concen: 32.270 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

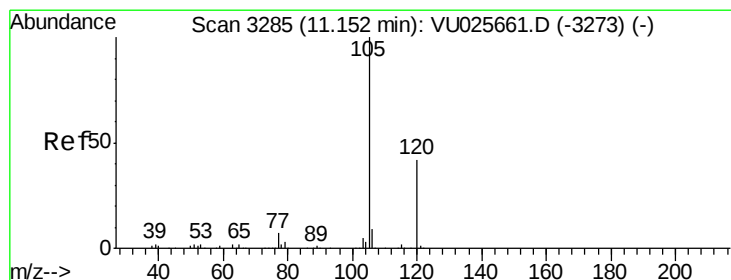
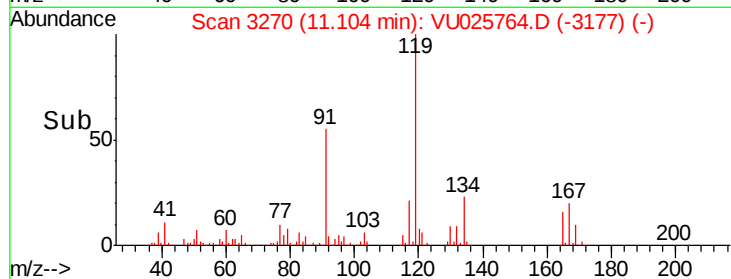
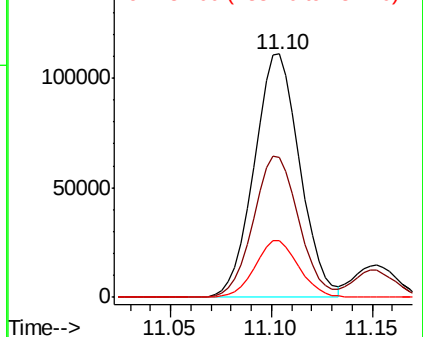
Tot Ion	Ratio	Resp	Lower	Upper
119	100	175130		
91	58.1	29.7	89.1	
134	22.5	11.5	34.5	

Manual Integrations
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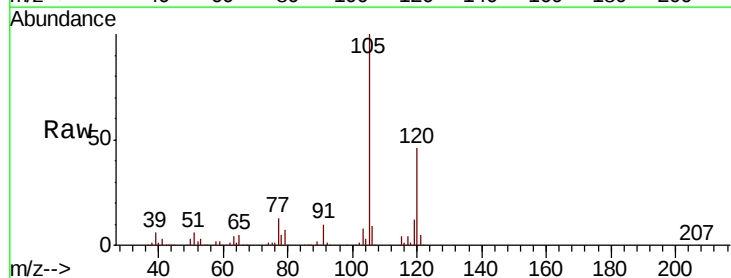


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

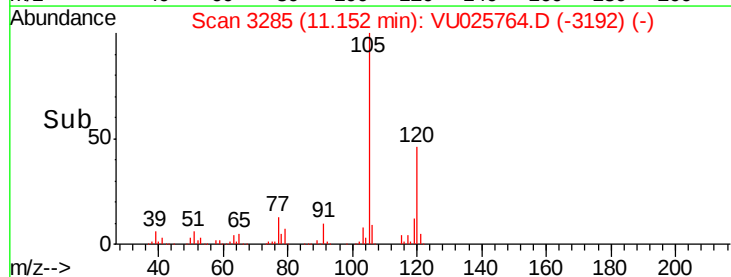
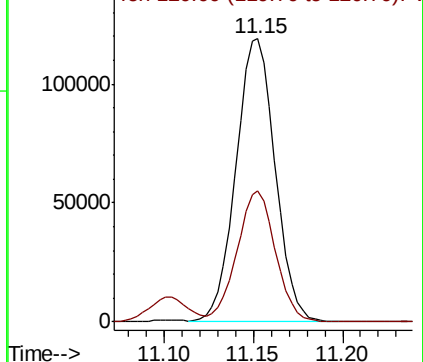


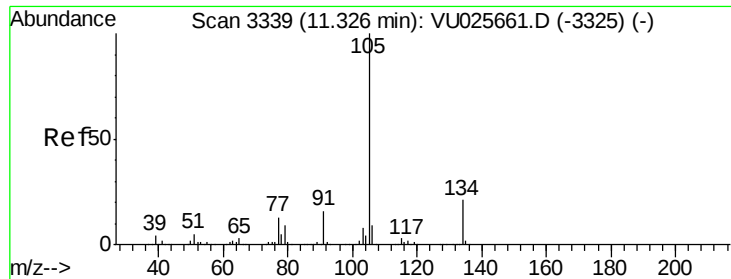
#84
1,2,4-Trimethylbenzene
Concen: 32.890 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	182053		
120	45.5	22.3	66.8	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 32.032 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD02

Tot Ion:105 Resp: 212244

Ion Ratio Lower Upper

105 100

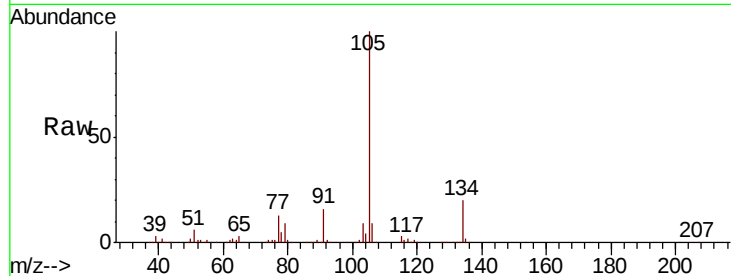
134 20.1 10.3 30.8

Manual Integrations

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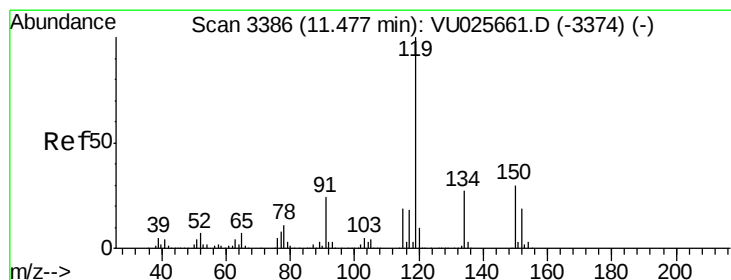
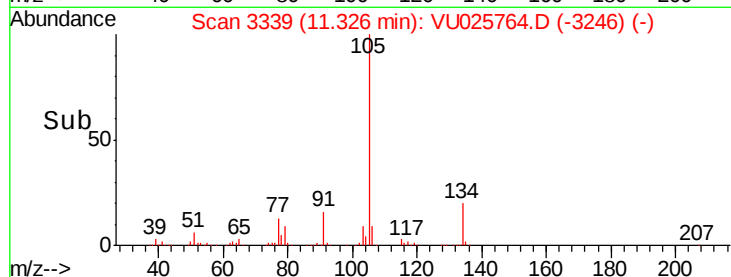
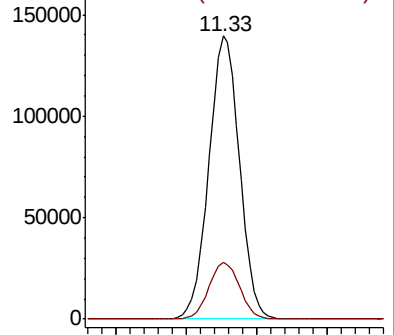
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 31.846 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

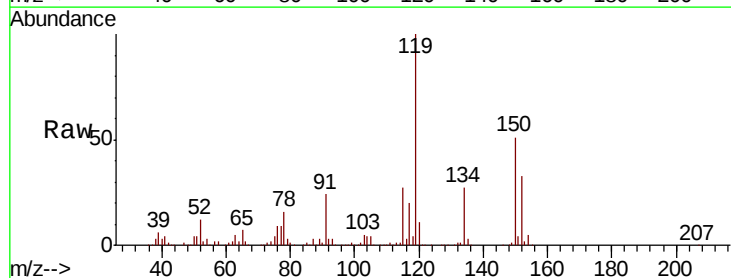
Tgt Ion:119 Resp: 188946

Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.5

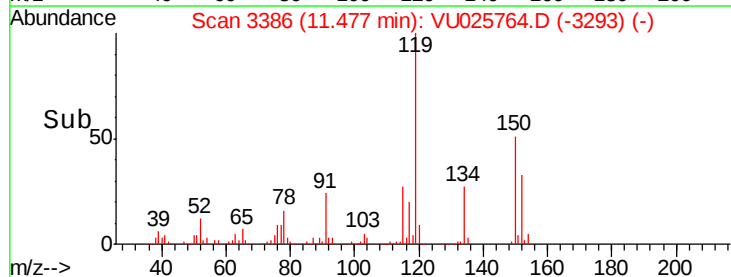
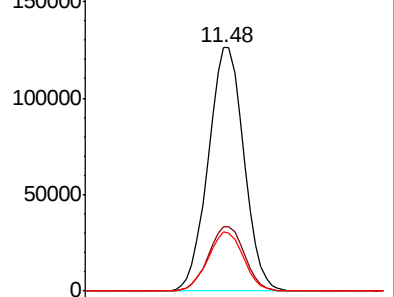
91 24.3 12.0 36.1

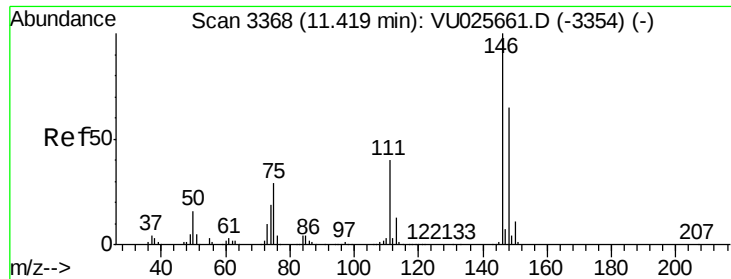


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 30.945 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Instrument :

MSVOA_U

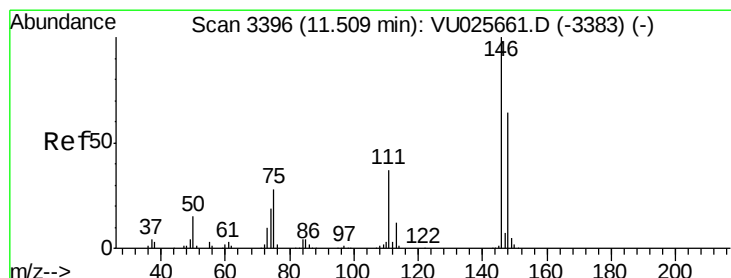
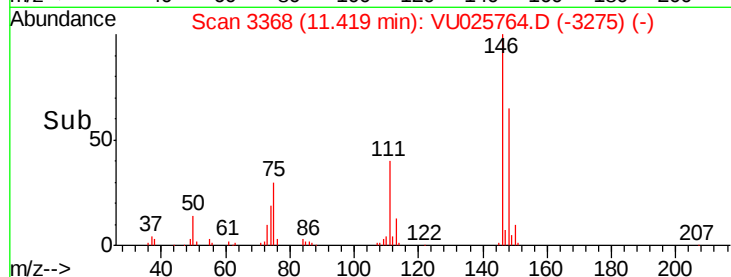
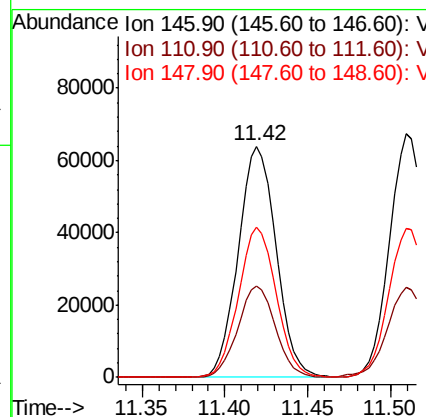
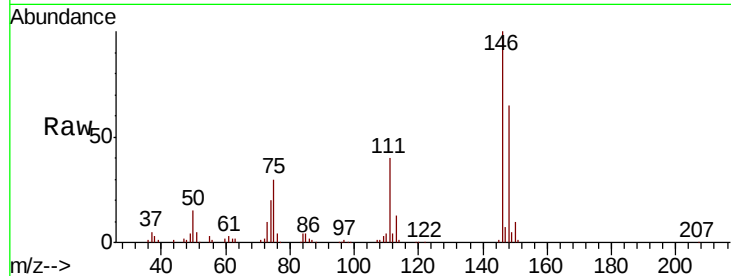
ClientSampleId :

VU0801WBSD02

Tot Ion:	146	Resp:	101897
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.7	59.1
148	64.7	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 30.306 ug/l

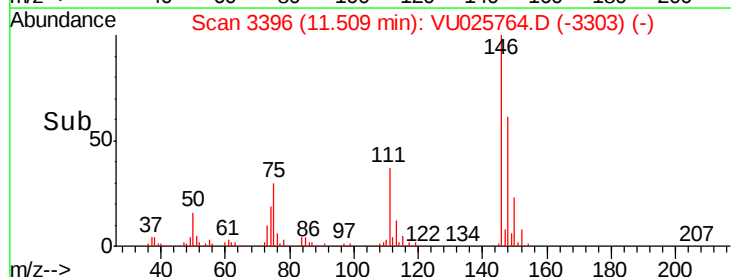
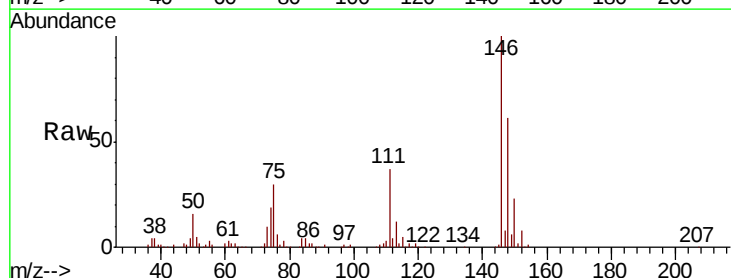
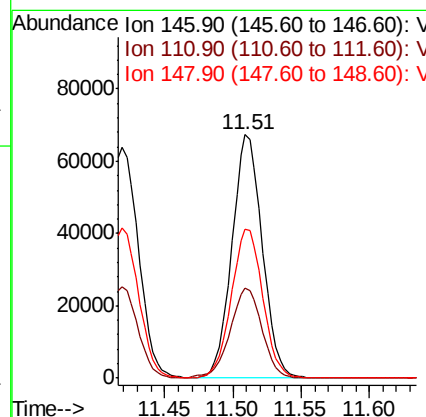
RT: 11.51 min Scan# 3396

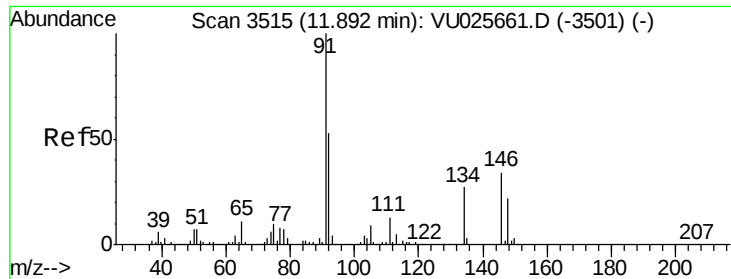
Delta R.T. 0.00 min

Lab File: VU025764.D

Acq: 01 Aug 2018 10:10

Tgt Ion:	146	Resp:	104025
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.4	58.1
148	63.4	31.7	95.1





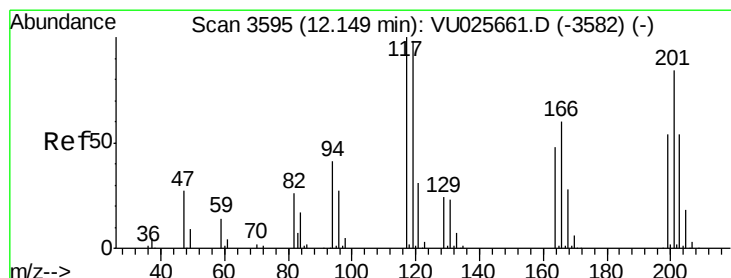
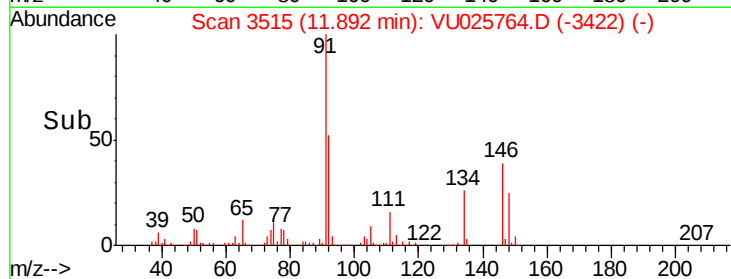
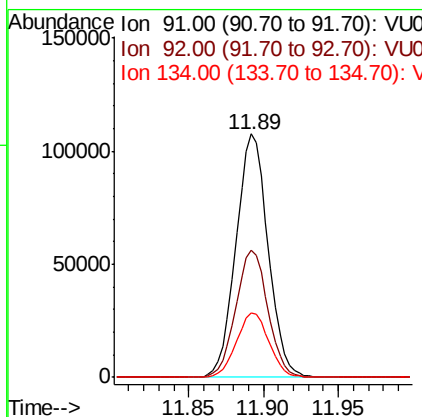
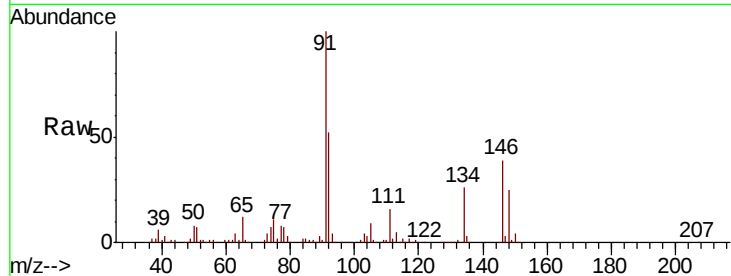
#89
n-Butylbenzene
Concen: 29.358 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.5	79.5
134	27.0	13.6	40.7

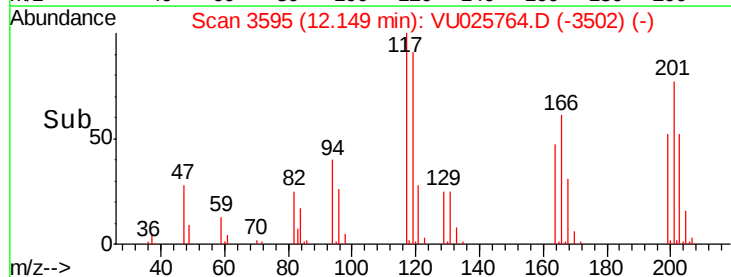
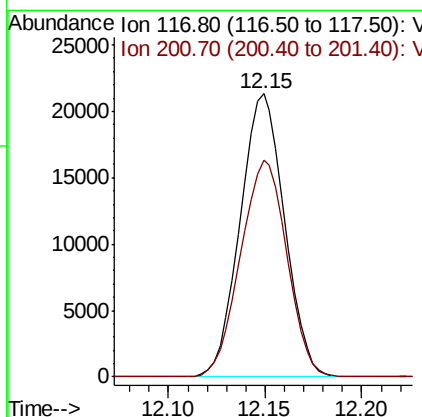
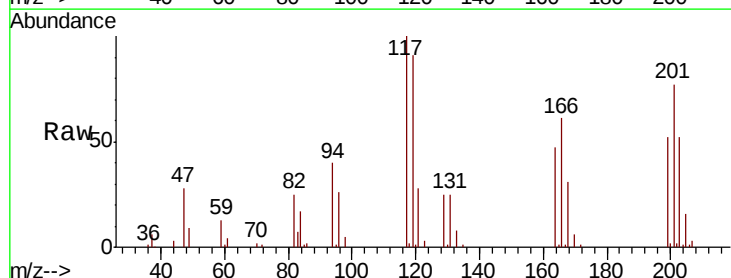
Manual Integrations
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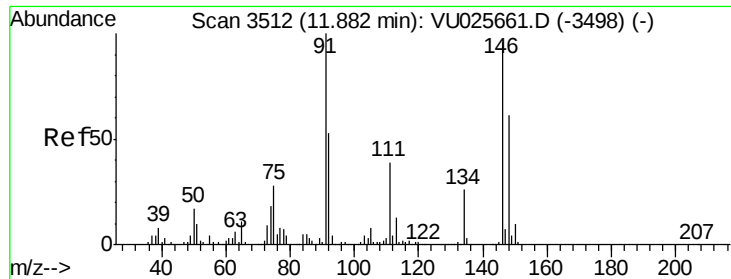
MMDadoda
8/2/2018 9:41:24 AM



#90
Hexachloroethane
Concen: 32.216 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	42.5	127.6





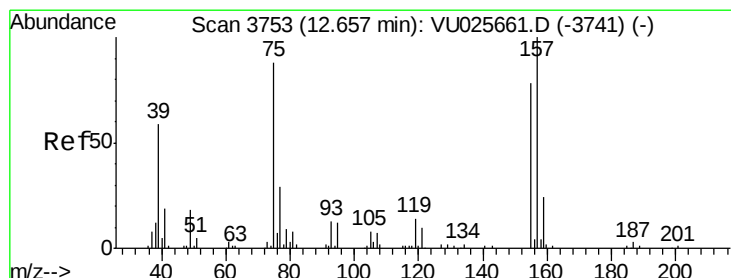
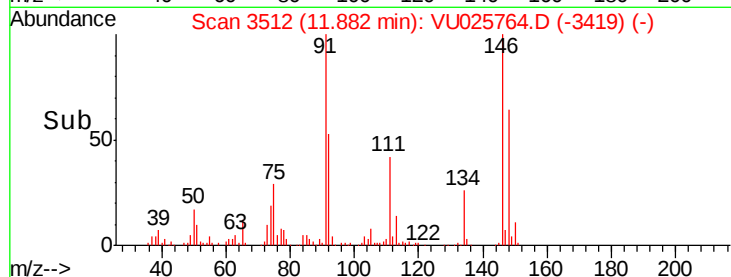
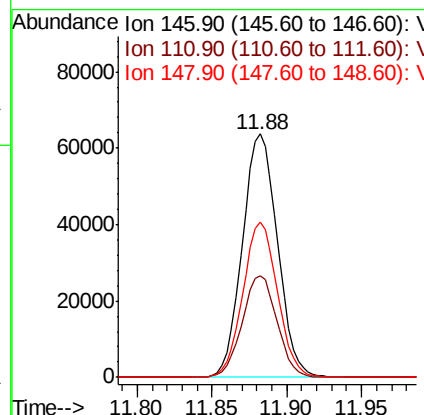
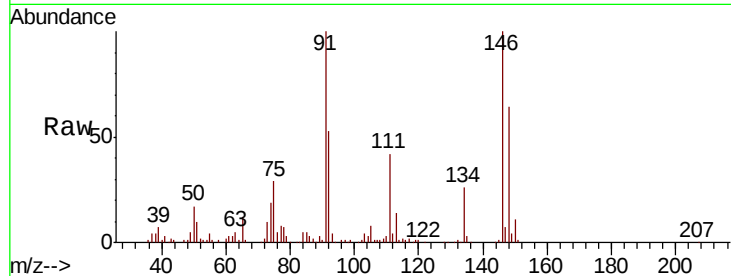
#91
 1,2-Dichlorobenzene
 Concen: 32.204 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.8
148	62.9	31.5	94.5

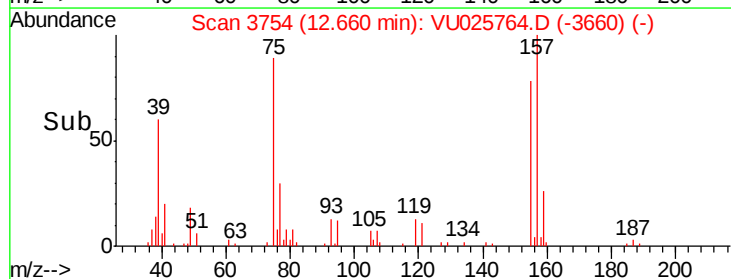
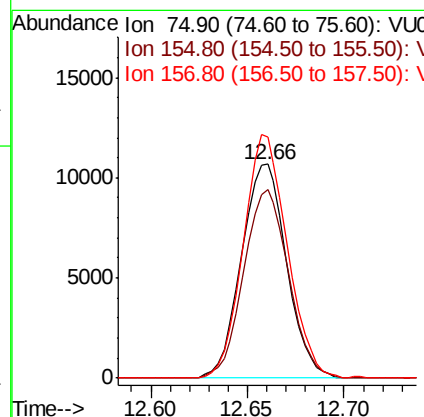
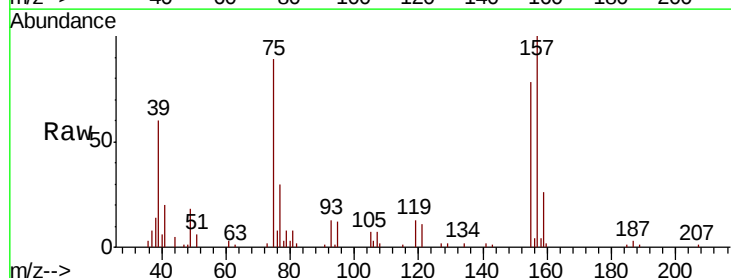
Manual Integrations
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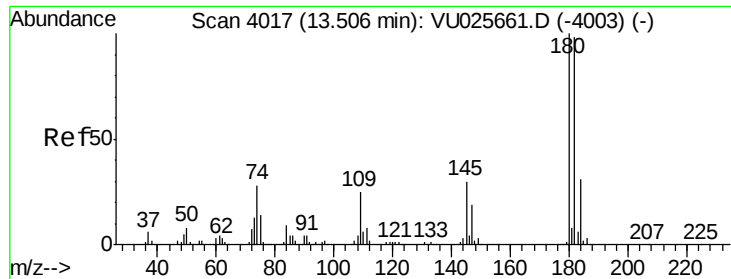
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 32.859 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	44.5	133.3
157	110.5	57.0	170.8





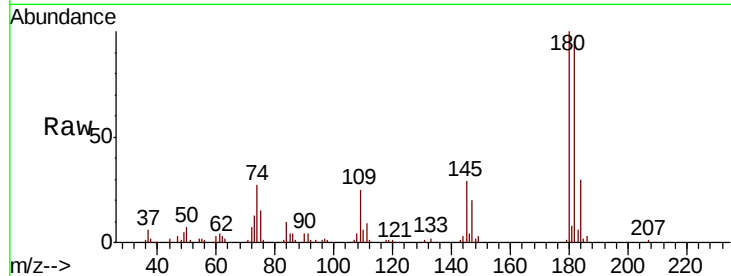
#93
 1,2,4-Trichlorobenzene
 Concen: 30.875 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	141.9
145	29.5	14.9	44.7

Manual Integrations
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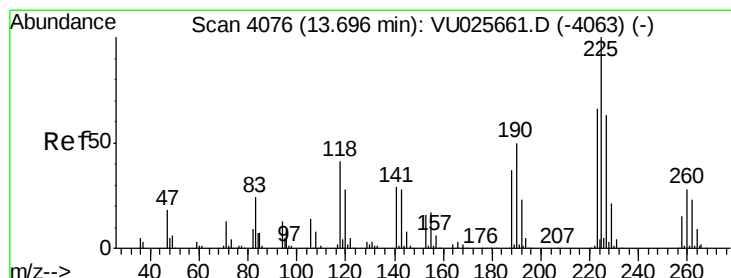
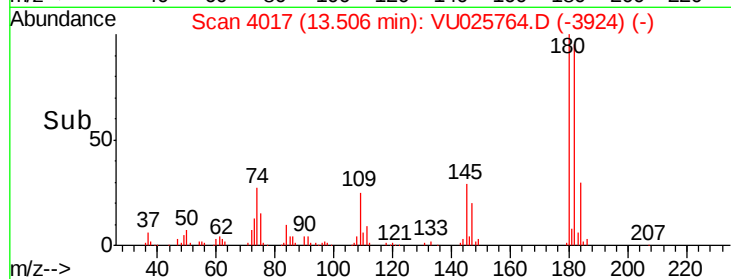
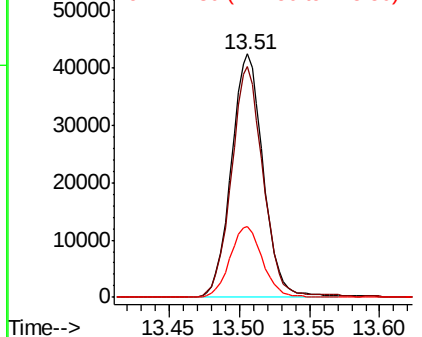


Abundance

Ion 179.80 (179.50 to 180.50): V

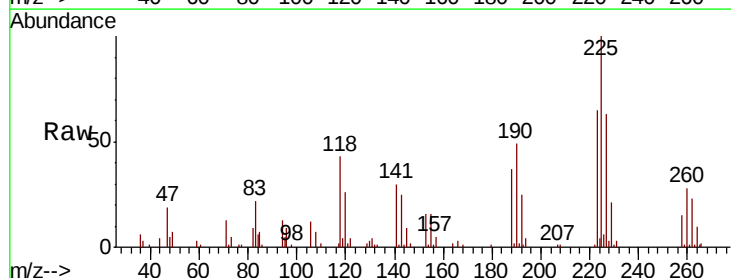
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 28.750 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025764.D
 Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.9	95.7
227	63.2	32.3	96.9

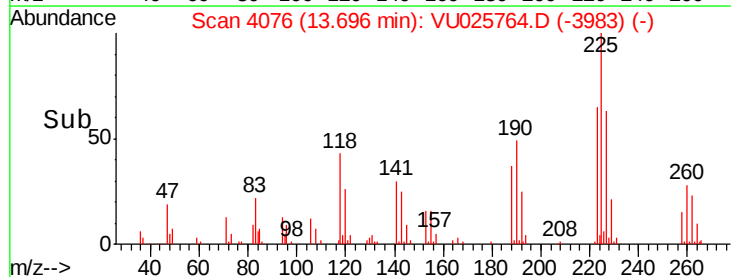
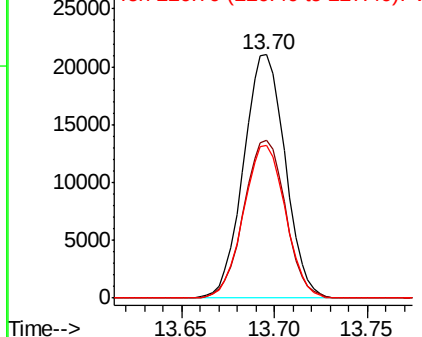


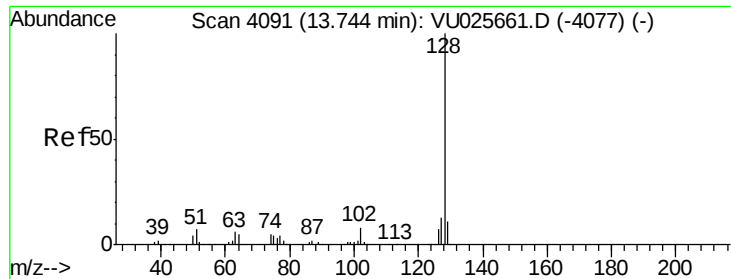
Abundance

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





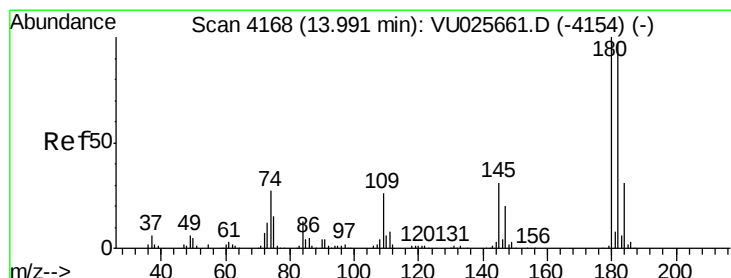
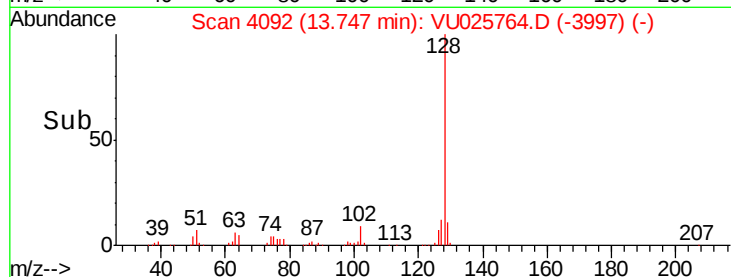
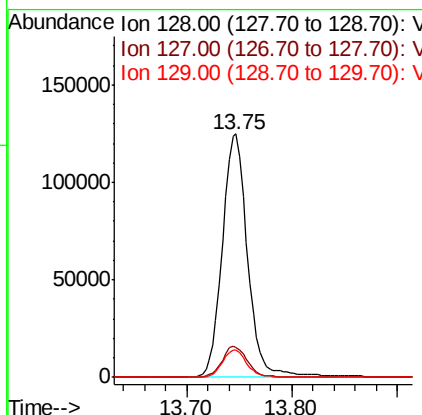
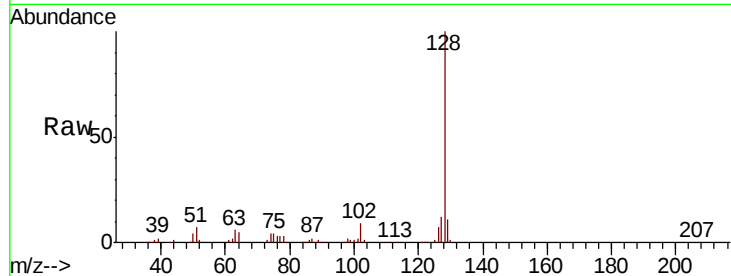
#95
Naphthalene
Concen: 30.151 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.4	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 32.574 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025764.D
Acq: 01 Aug 2018 10:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.8	143.3
145	31.0	15.6	46.8

