

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051736.D
 Acq On : 8 Oct 2018 15:24
 Operator : MD\SY
 Sample : VN1008WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:40 AM

Quant Time: Oct 09 05:16:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	560979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	852162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	783658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	368589	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.59	113	327242	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.09	98	1225757	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	396590	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	147247	21.655	ug/l	98
3) Chloromethane	2.06	50	135114	21.105	ug/l	99
4) Vinyl Chloride	2.18	62	207087	20.535	ug/l	98
5) Bromomethane	2.56	94	169961	21.915	ug/l	97
6) Chloroethane	2.70	64	138350	20.412	ug/l	99
7) Trichlorofluoromethane	3.01	101	247119	22.802	ug/l	98
8) Diethyl Ether	3.41	74	64573	21.973	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	123224	21.984	ug/l	98
10) Methyl Iodide	3.95	142	135549	19.773	ug/l	99
11) Tert butyl alcohol	4.80	59	51523	102.300	ug/l	99
12) 1,1-Dichloroethene	3.74	96	112496	21.534	ug/l	93
13) Acrolein	3.61	56	28429	90.350	ug/l	99
14) Allyl chloride	4.33	41	154302	19.365	ug/l	98
15) Acrylonitrile	4.99	53	176780	101.716	ug/l	97
16) Acetone	3.82	43	129930	92.825	ug/l	97
17) Carbon Disulfide	4.05	76	300446	18.920	ug/l	99
18) Methyl Acetate	4.33	43	93018	22.740	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	348587	20.215	ug/l	99
20) Methylene Chloride	4.55	84	124949	20.493	ug/l	92
21) trans-1,2-Dichloroethene	5.05	96	120948	19.537	ug/l	92
22) Diisopropyl ether	5.96	45	337100	19.736	ug/l	97
23) Vinyl Acetate	5.90	43	1227091	97.708	ug/l	99
24) 1,1-Dichloroethane	5.85	63	216375	19.698	ug/l	99
25) 2-Butanone	6.84	43	207703	97.059	ug/l	100
26) 2,2-Dichloropropane	6.83	77	188159	17.093	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	147064	20.463	ug/l	94
28) Bromochloromethane	7.20	49	93297	19.184	ug/l	96
29) Tetrahydrofuran	7.22	42	139188	105.989	ug/l	98
30) Chloroform	7.37	83	247615	20.063	ug/l	98
31) Cyclohexane	7.66	56	192912	19.176	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	240415	20.097	ug/l	96
36) 1,1-Dichloropropene	7.80	75	172425	19.358	ug/l	99
37) Ethyl Acetate	6.93	43	96206	20.709	ug/l	97
38) Carbon Tetrachloride	7.78	117	208796	19.535	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215106	19.239	ug/l	98
40) Benzene	8.04	78	525105	19.886	ug/l	100
41) Methacrylonitrile	7.18	41	46043	19.051	ug/l	92
42) 1,2-Dichloroethane	8.13	62	181881	20.439	ug/l	100
43) Isopropyl Acetate	8.17	43	200421	20.693	ug/l #	89
44) Trichloroethene	8.84	130	153282	20.444	ug/l	98
45) 1,2-Dichloropropane	9.12	63	129522	19.840	ug/l	99
46) Dibromomethane	9.21	93	92536	20.392	ug/l	99
47) Bromodichloromethane	9.40	83	195887	19.610	ug/l	100
48) Methyl methacrylate	9.20	41	90247	20.391	ug/l	97
49) 1,4-Dioxane	9.20	88	27251	410.634	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	524425	106.852	ug/l	99
52) Toluene	10.16	92	346539	19.732	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	190137	18.446	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	201487	18.408	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	127457	20.373	ug/l	98
56) Ethyl methacrylate	10.43	69	160614	20.301	ug/l	99
57) 1,3-Dichloropropane	10.71	76	203299	20.532	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	321538	98.198	ug/l	98
59) 2-Hexanone	10.75	43	341082	102.330	ug/l	97
60) Dibromochloromethane	10.90	129	155558	19.000	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132690	20.063	ug/l	99
64) Tetrachloroethene	10.63	164	145252	21.009	ug/l	97
65) Chlorobenzene	11.44	112	390735	20.132	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153568	19.761	ug/l	98
67) Ethyl Benzene	11.51	91	671958	20.031	ug/l	99
68) m/p-Xylenes	11.62	106	538401	40.112	ug/l	99
69) o-Xylene	11.95	106	264587	20.100	ug/l	100
70) Styrene	11.97	104	413988	19.737	ug/l	99
71) Bromoform	12.13	173	105144	18.190	ug/l #	98
73) Isopropylbenzene	12.25	105	706209	20.385	ug/l	99
74) N-amyl acetate	12.07	43	157149	19.977	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	153374	20.554	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	134026m	24.444	ug/l	
77) Bromobenzene	12.53	156	168525	19.895	ug/l	98
78) n-propylbenzene	12.59	91	749591	19.837	ug/l	100
79) 2-Chlorotoluene	12.68	91	445514	20.005	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	590728	20.233	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37417	16.924	ug/l	85
82) 4-Chlorotoluene	12.77	91	439652	19.652	ug/l	98
83) tert-Butylbenzene	12.99	119	538852	20.598	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	602507	20.603	ug/l	99
85) sec-Butylbenzene	13.17	105	704918	20.371	ug/l	99
86) p-Isopropyltoluene	13.29	119	634301	20.676	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	299555	20.294	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	291263	20.047	ug/l	99
89) n-Butylbenzene	13.62	91	469775	19.368	ug/l	98
90) Hexachloroethane	13.88	117	115737	18.909	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	297358	20.265	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25905	21.286	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	120297	18.424	ug/l	99
94) Hexachlorobutadiene	15.01	225	87431	19.736	ug/l	97
95) Naphthalene	15.13	128	260398	18.468	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	125768	19.558	ug/l	99

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

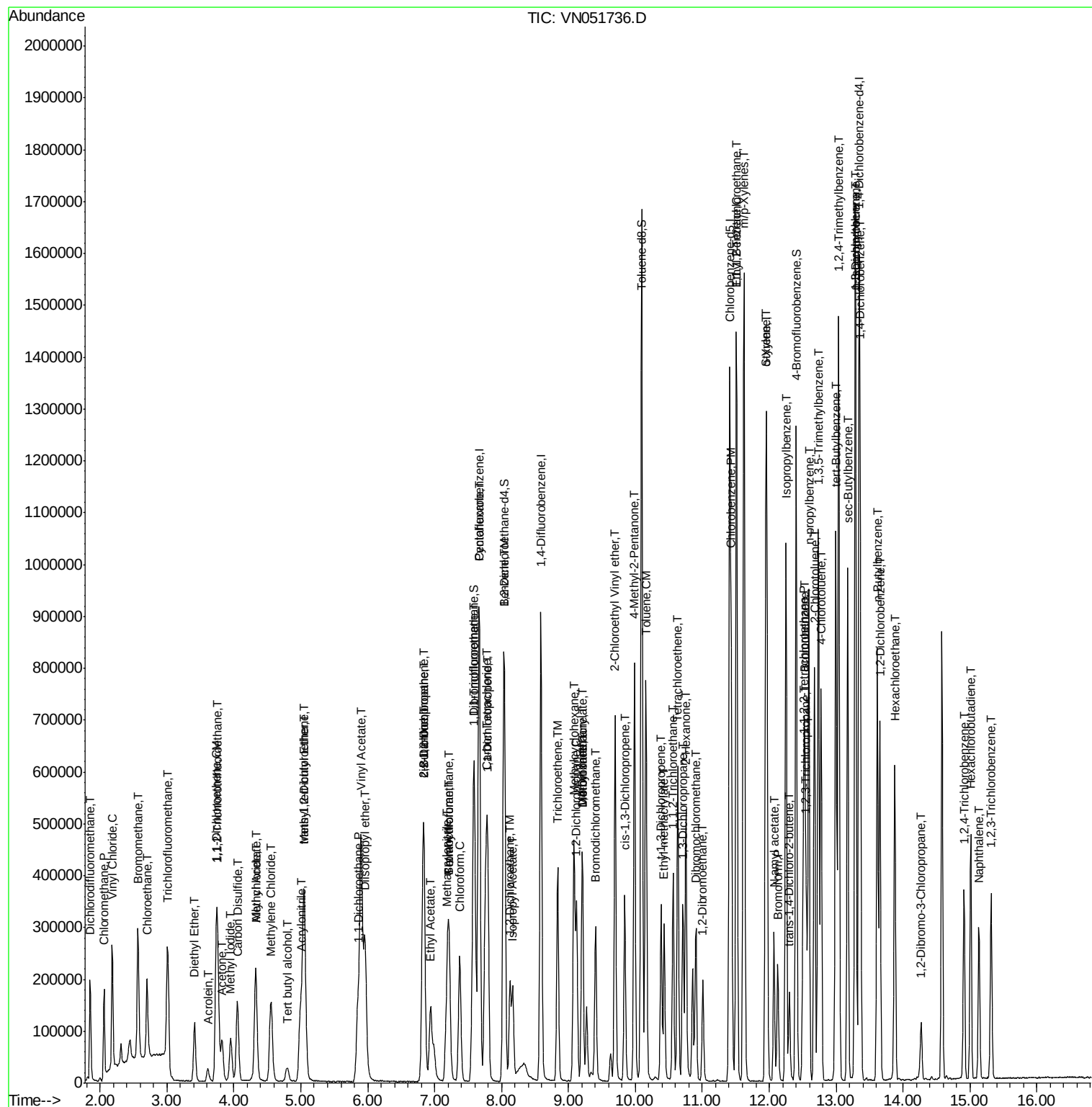
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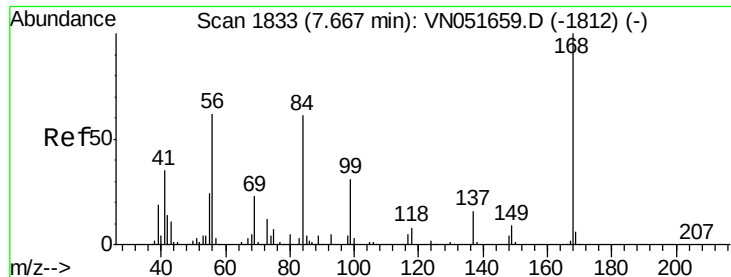
Instrument :
MSVOA_N
Client Sampled :
VN1008WBSD01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion:168 Resp: 560979

Ion Ratio Lower Upper

168 100

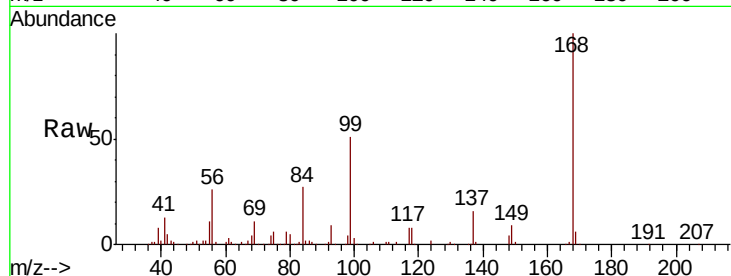
99 50.2 40.4 60.6

Manual Integrations

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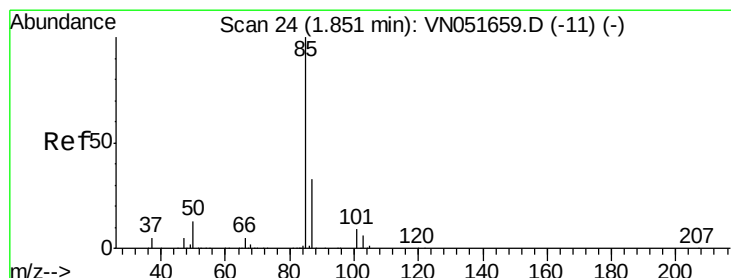
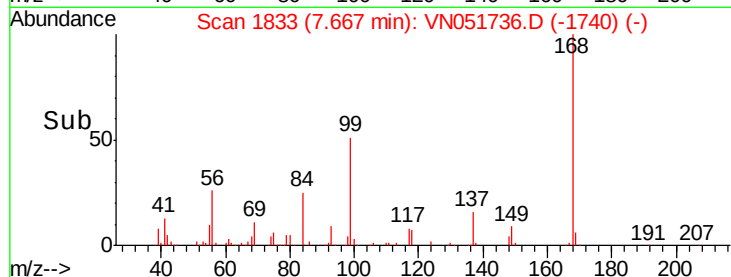
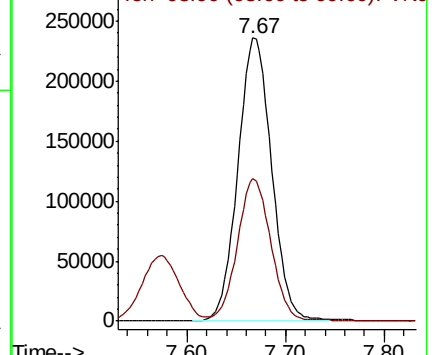
MMDadoda

10/10/2018 11:48:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.655 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051736.D

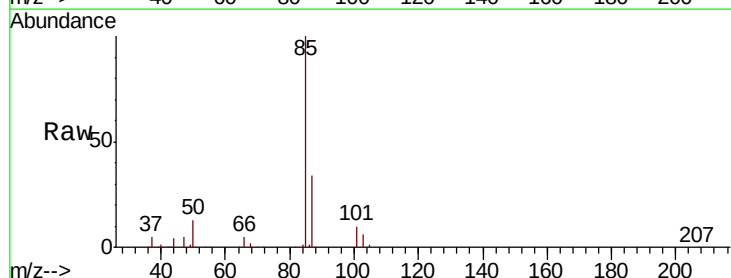
Acq: 8 Oct 2018 15:24

Tgt Ion: 85 Resp: 147247

Ion Ratio Lower Upper

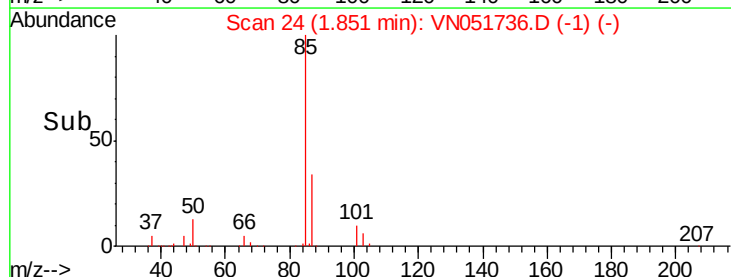
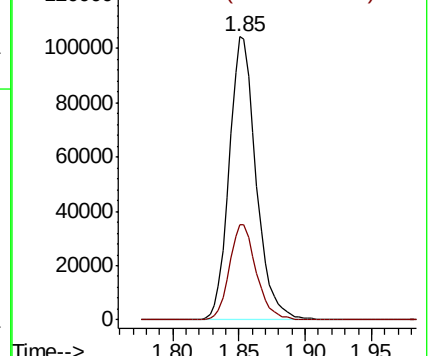
85 100

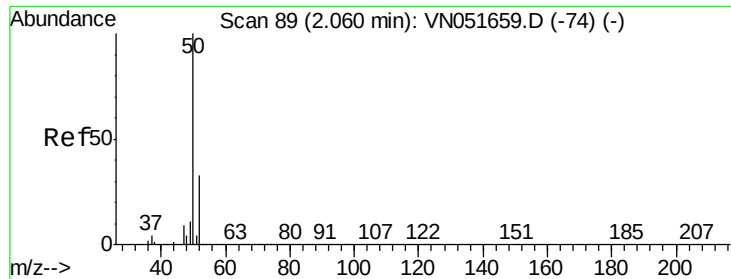
87 33.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 21.105 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 50 Resp: 135114

Ion Ratio Lower Upper

50 100

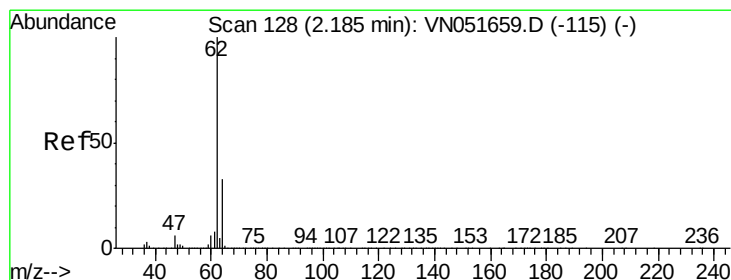
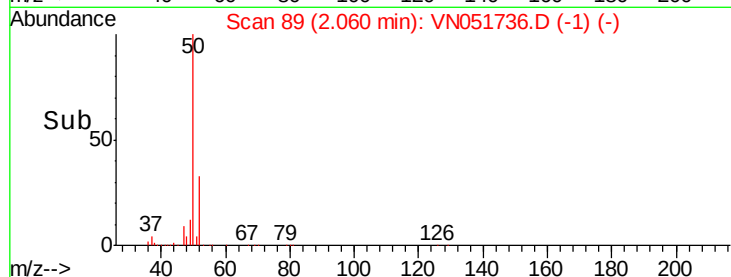
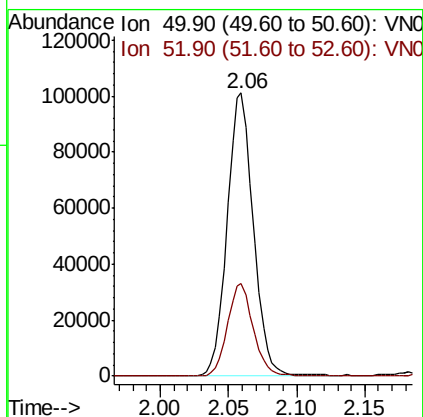
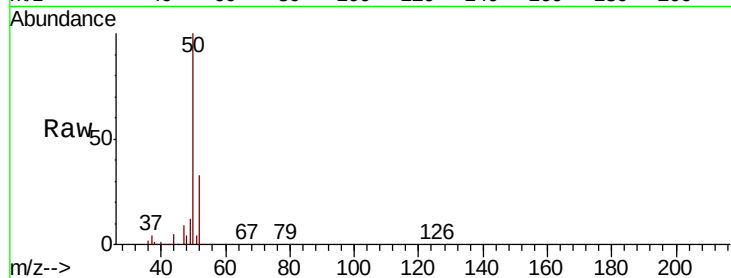
52 32.8 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.535 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051736.D

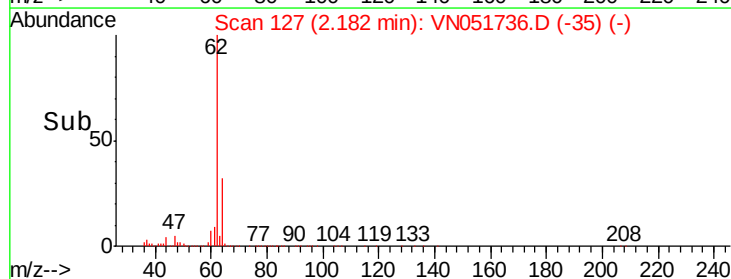
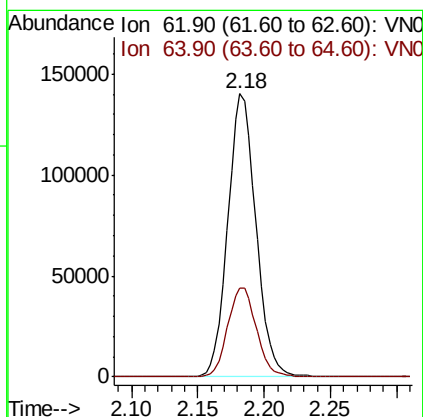
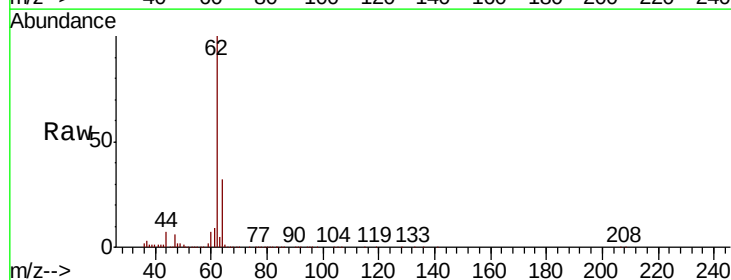
Acq: 8 Oct 2018 15:24

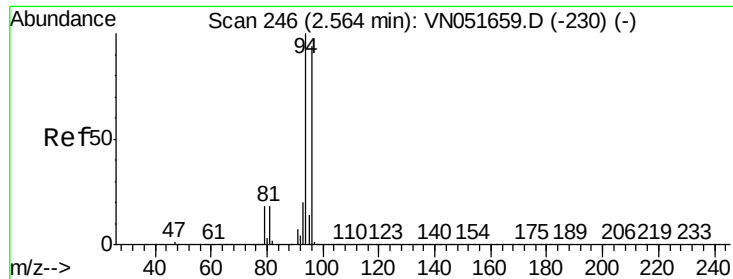
Tgt Ion: 62 Resp: 207087

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4





#5

Bromomethane

Concen: 21.915 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

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Tot Ion: 94 Resp: 169961

Ion Ratio Lower Upper

94 100

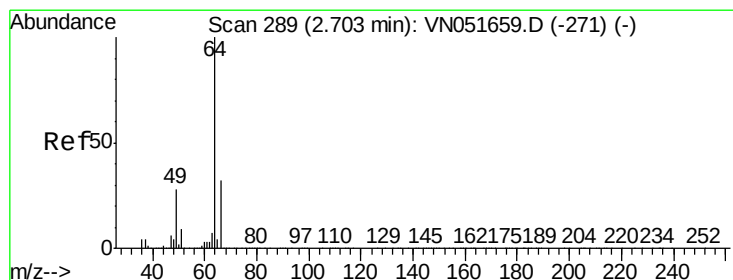
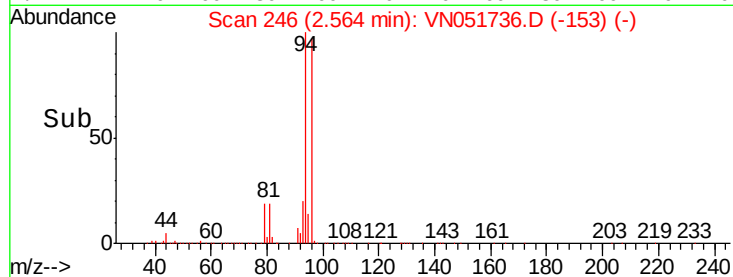
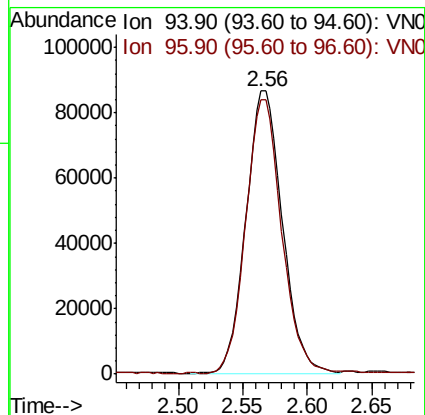
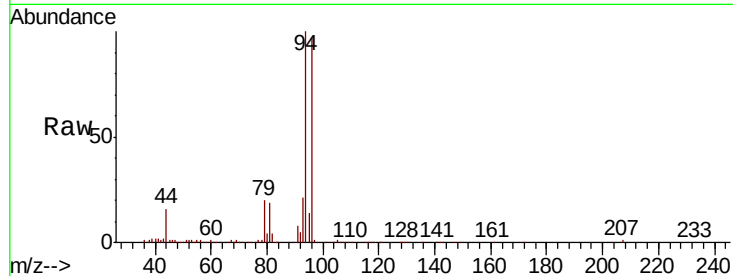
96 96.8 75.2 112.8

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#6

Chloroethane

Concen: 20.412 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051736.D

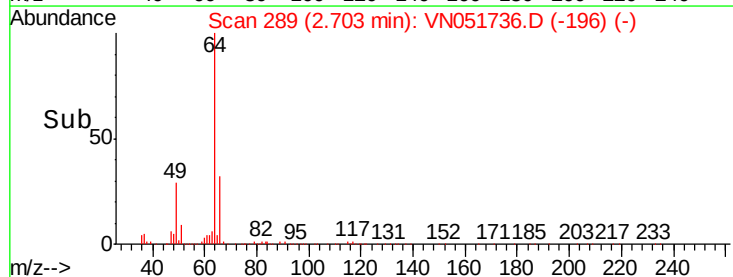
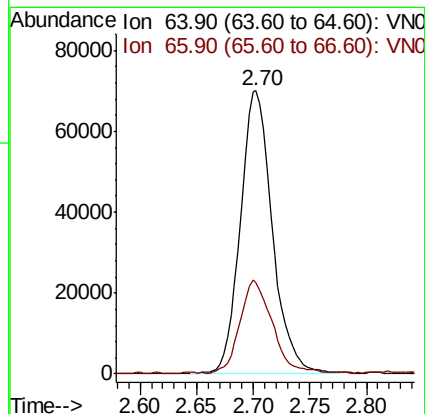
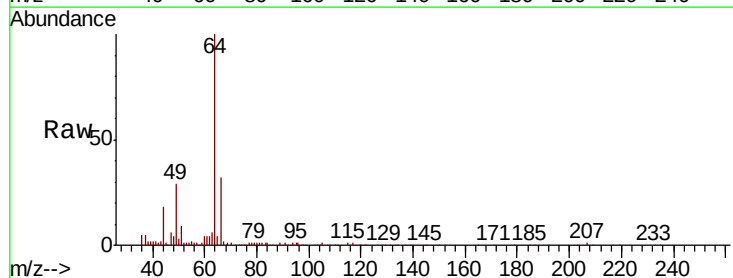
Acq: 8 Oct 2018 15:24

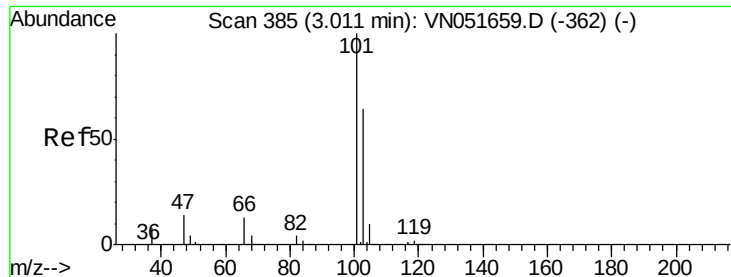
Tgt Ion: 64 Resp: 138350

Ion Ratio Lower Upper

64 100

66 31.7 26.0 39.0





#7

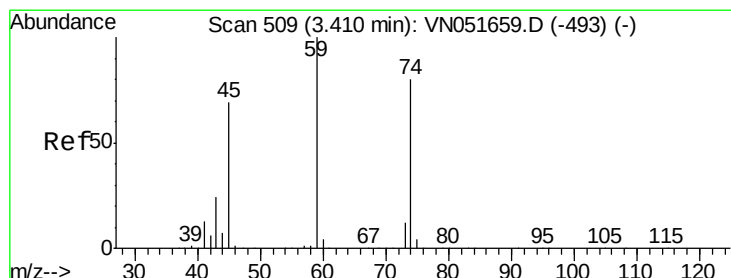
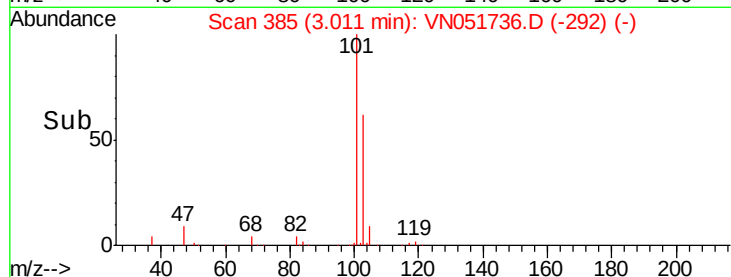
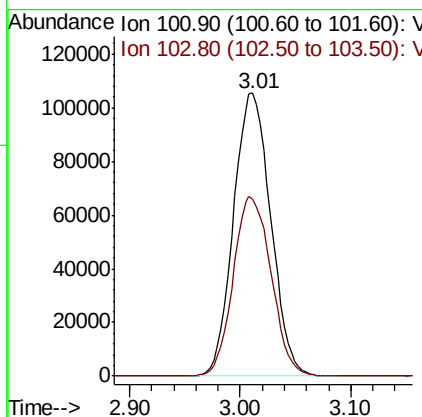
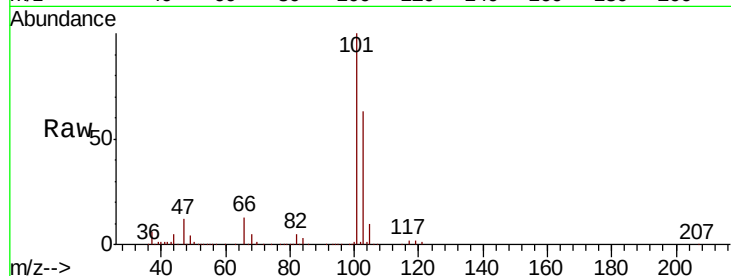
Trichlorofluoromethane
 Concen: 22.802 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.1	76.7

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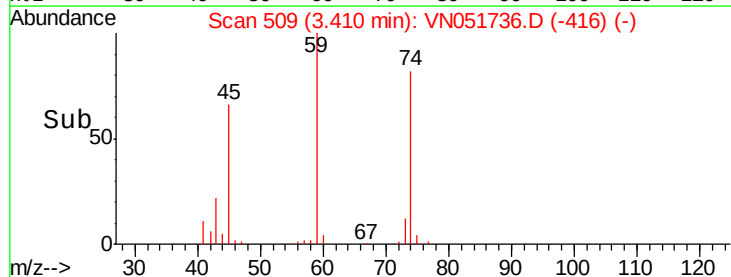
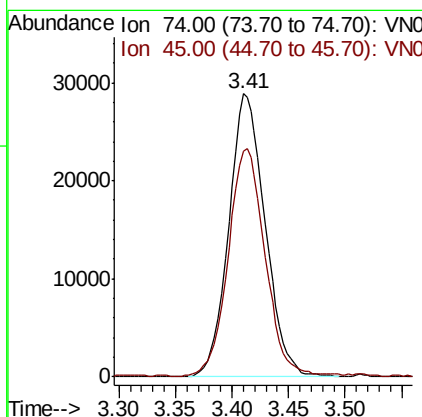
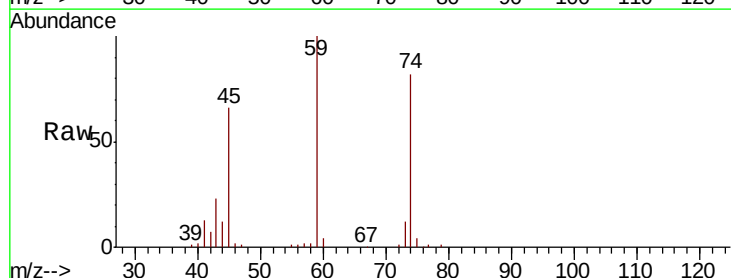
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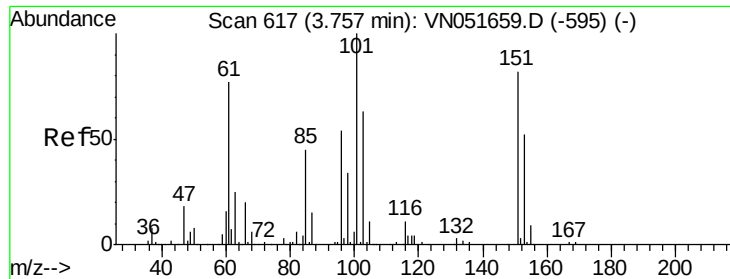


#8

Diethyl Ether
 Concen: 21.973 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.0	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.984 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

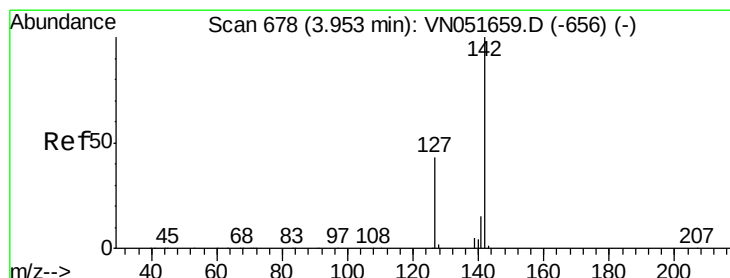
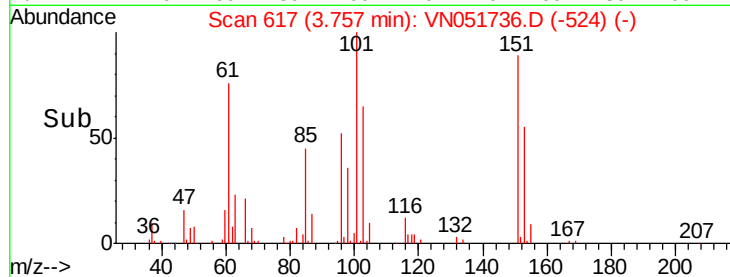
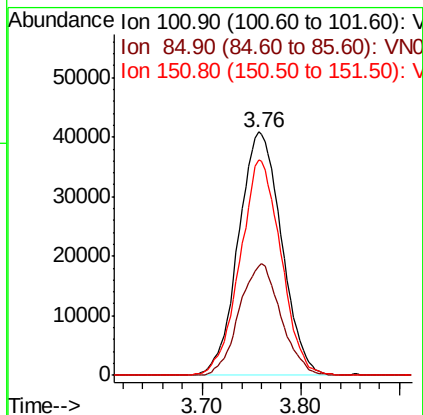
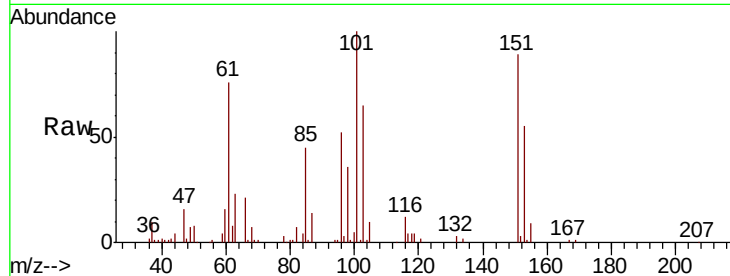
ClientSampleId :

VN1008WBSD01

Tot Ion:	101	Resp:	123224
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.6	53.4
151	84.3	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.773 ug/l

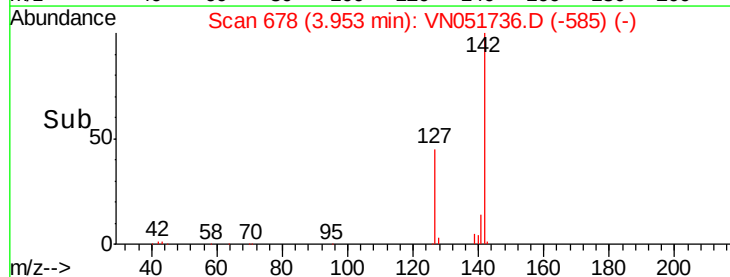
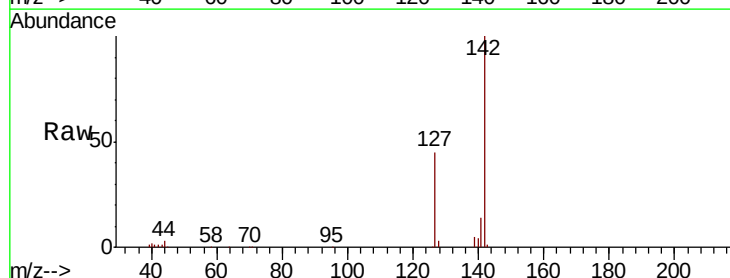
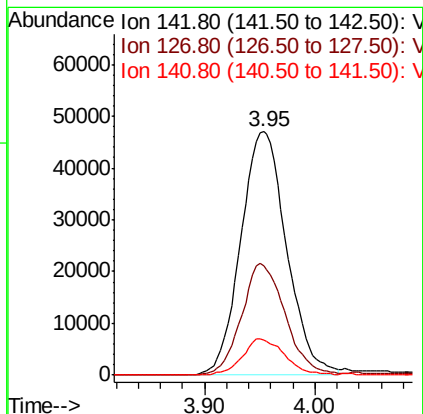
RT: 3.95 min Scan# 678

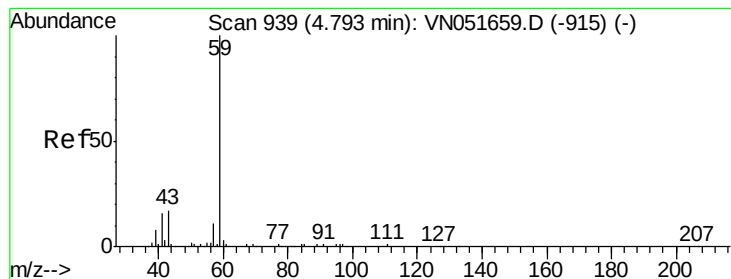
Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Tgt Ion:	142	Resp:	135549
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.7	52.1
141	13.8	11.4	17.2





#11

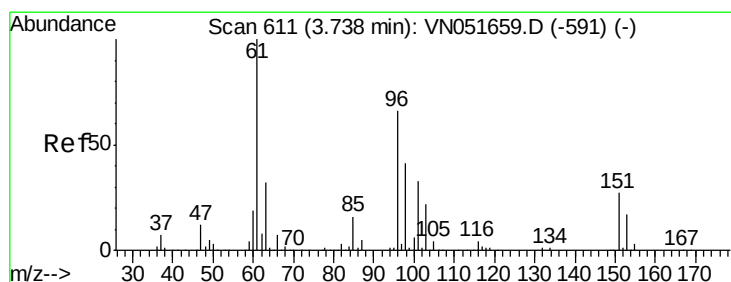
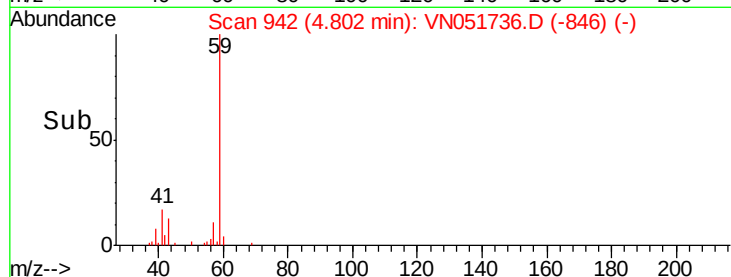
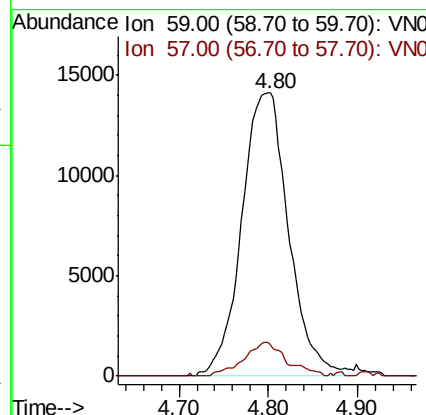
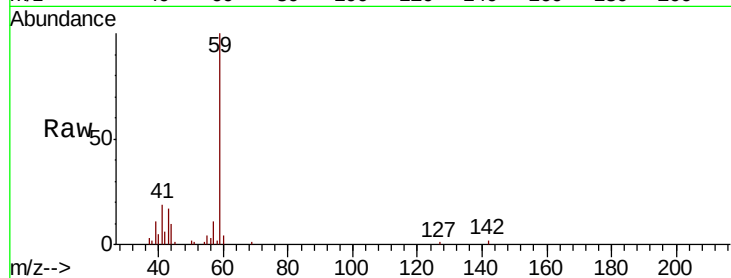
Tert butyl alcohol
Concen: 102.300 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.01 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.1	12.1

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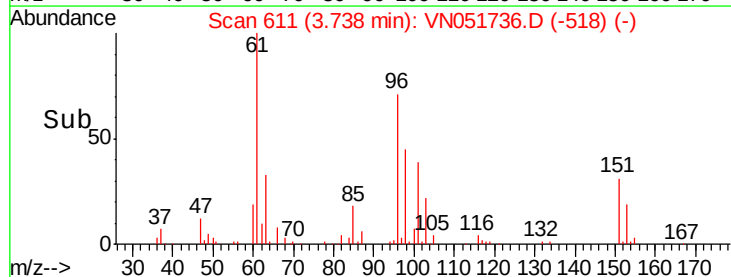
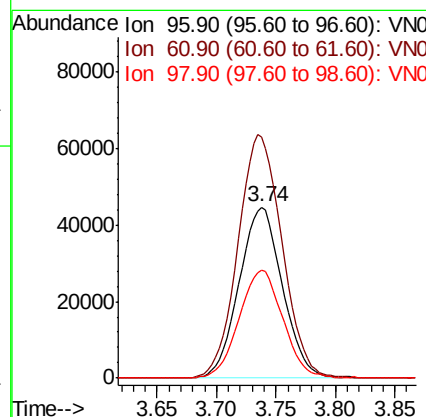
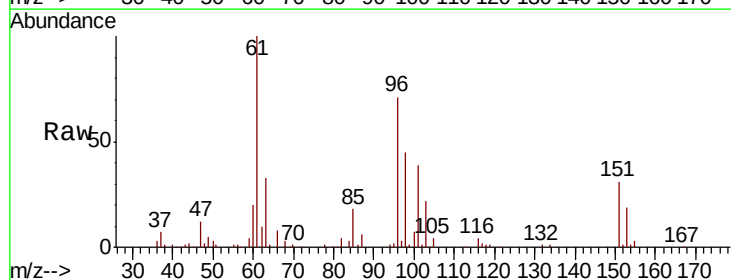
MMDadoda
10/10/2018 11:48:40 AM

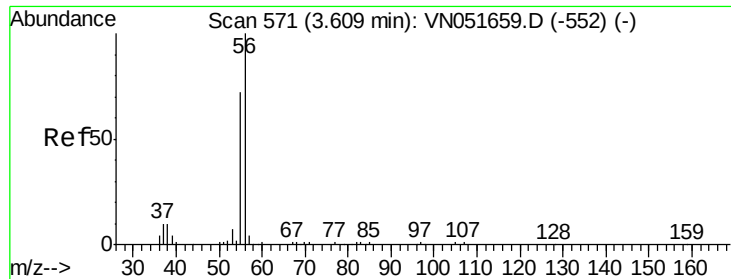


#12

1,1-Dichloroethene
Concen: 21.534 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.5	121.4	182.0
98	63.2	49.9	74.9





#13

Acrolein

Concen: 90.350 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 56 Resp: 28429

Ion Ratio Lower Upper

56 100

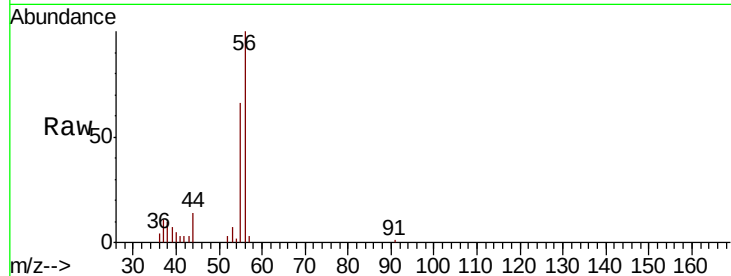
55 72.6 57.5 86.3

Manual Integrations

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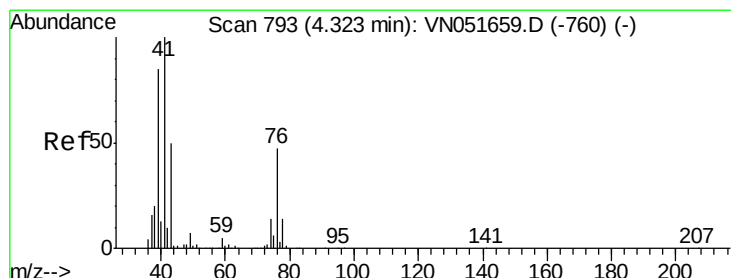
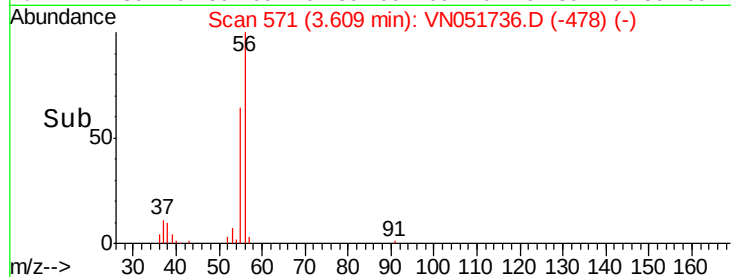
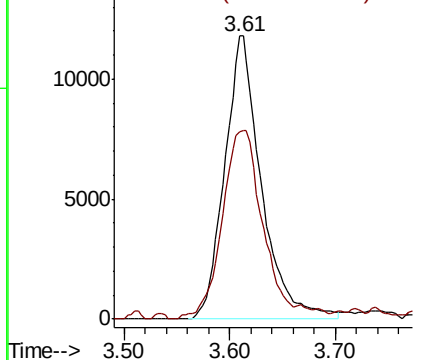
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.365 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

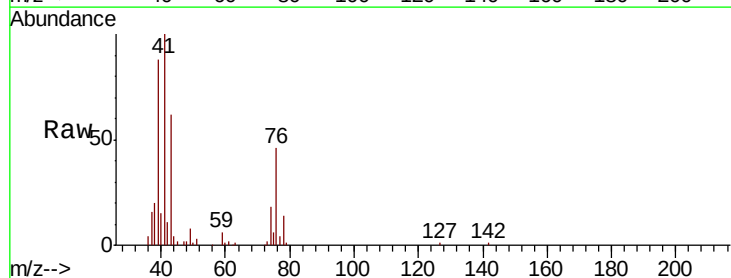
Tgt Ion: 41 Resp: 154302

Ion Ratio Lower Upper

41 100

39 83.3 65.4 98.0

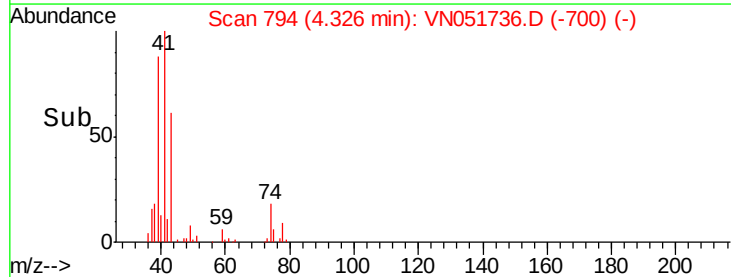
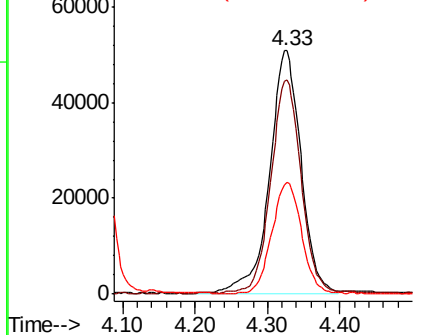
76 43.6 34.3 51.5

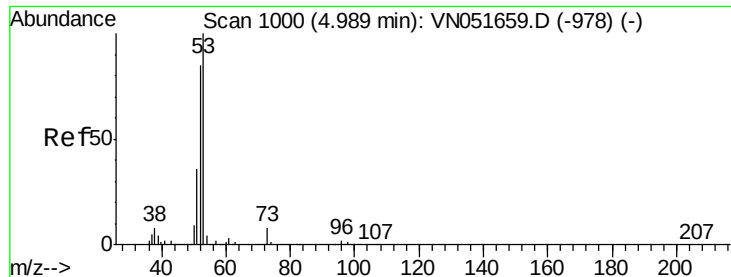


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 101.716 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

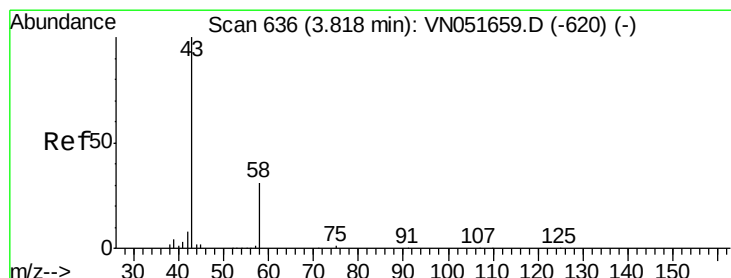
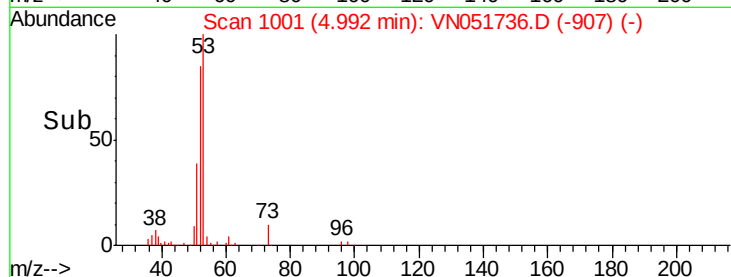
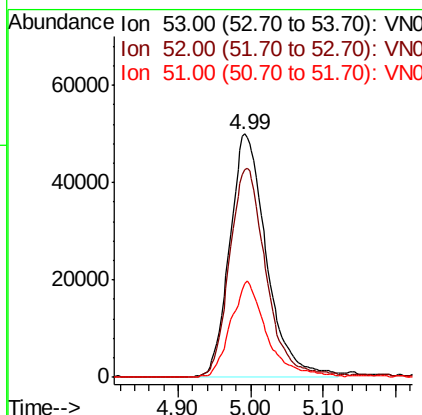
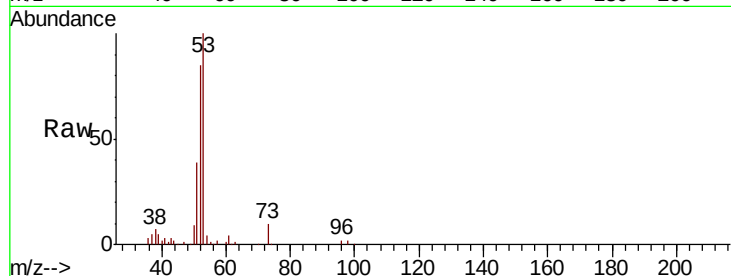
ClientSampleId :

VN1008WBSD01

Tot Ion:	53	Resp:	176780
Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.2	99.2
51	38.7	30.3	45.5

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#16

Acetone

Concen: 92.825 ug/l

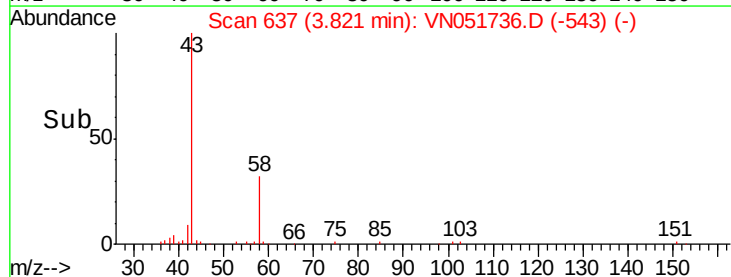
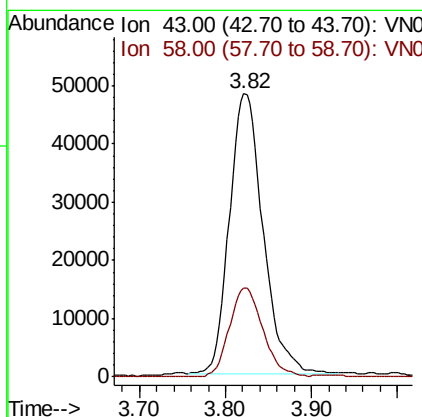
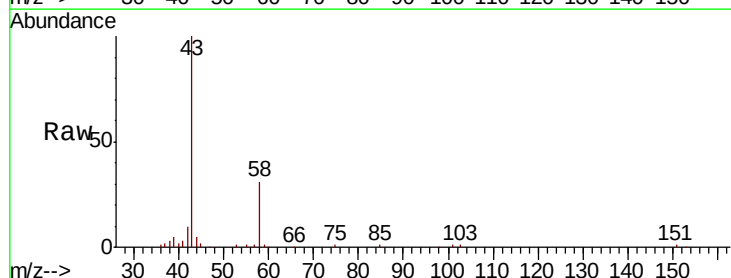
RT: 3.82 min Scan# 637

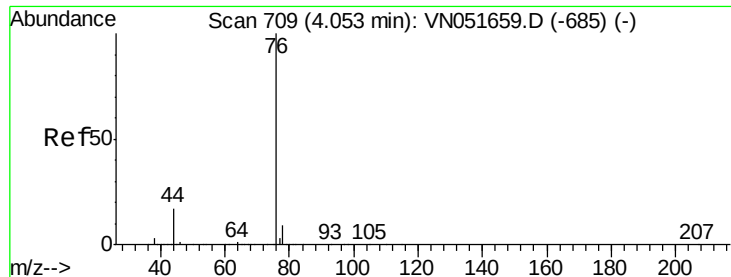
Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Tgt Ion:	43	Resp:	129930
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.3	36.5





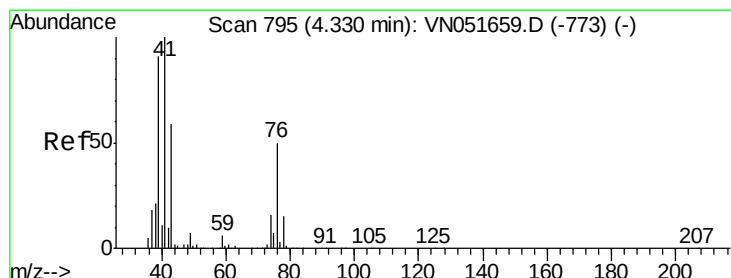
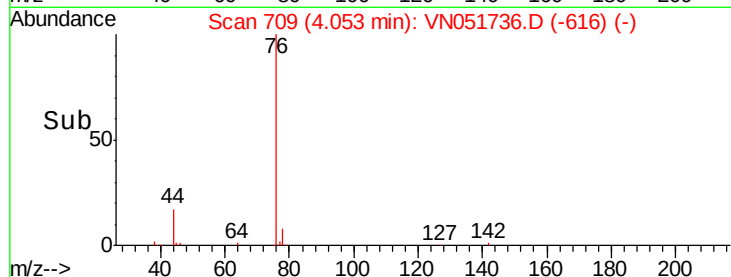
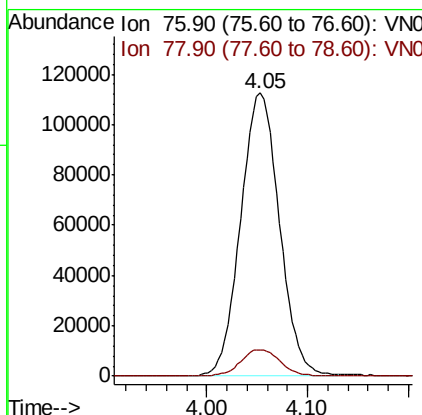
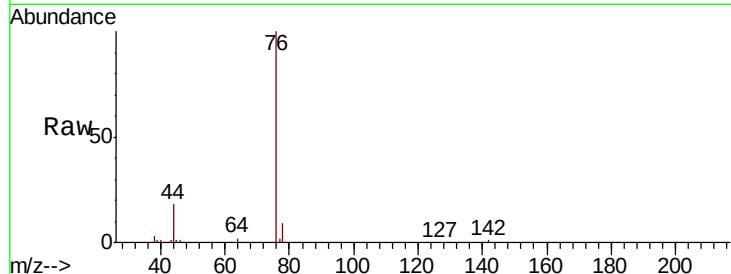
#17
Carbon Disulfide
Concen: 18.920 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

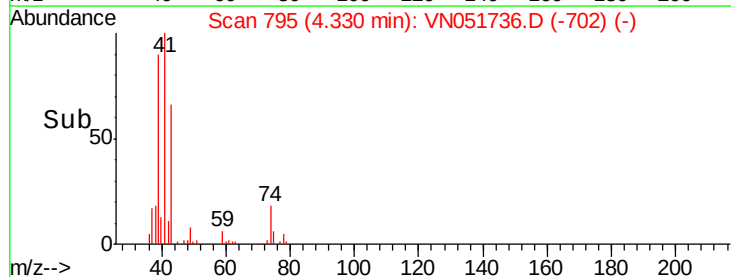
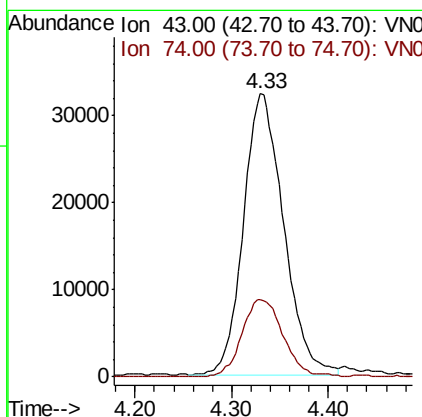
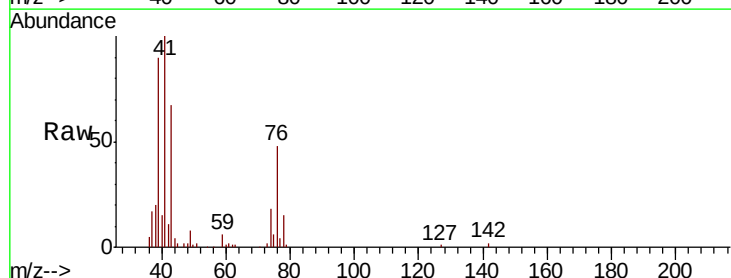
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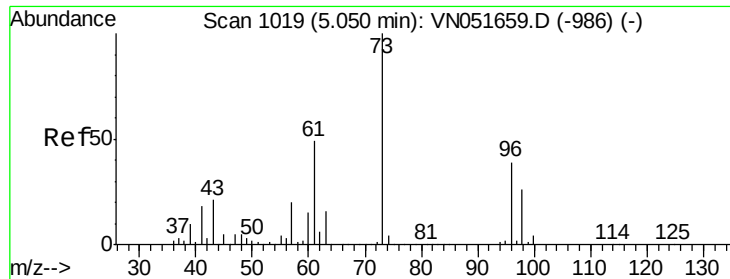
MMDadoda
10/10/2018 11:48:40 AM



#18
Methyl Acetate
Concen: 22.740 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.0	21.5	32.3





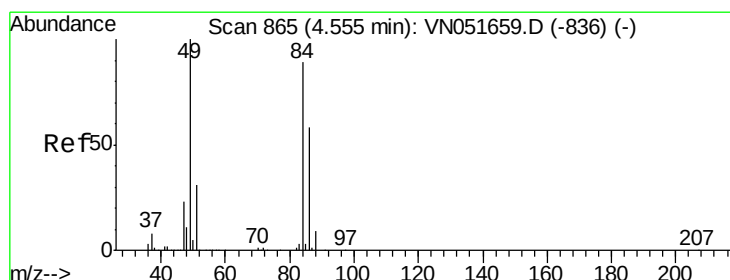
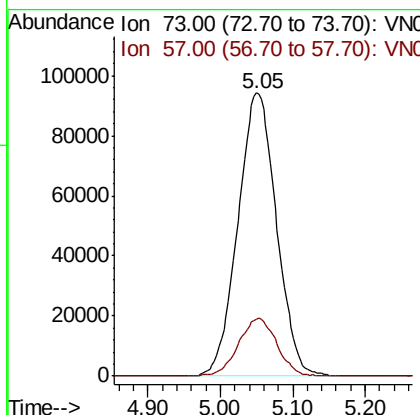
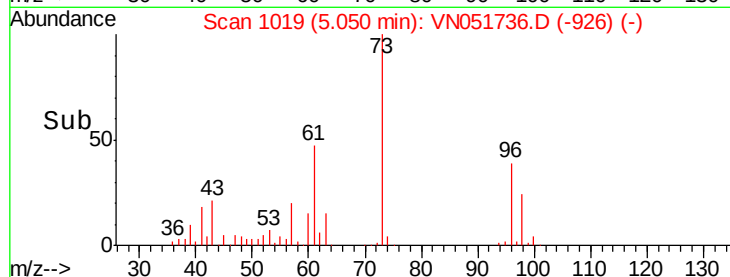
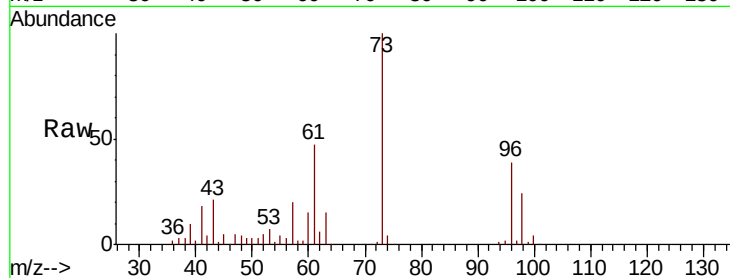
#19
Methyl tert-butyl Ether
Concen: 20.215 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion: 73 Resp: 348587
Ion Ratio Lower Upper
73 100
57 20.0 15.6 23.4

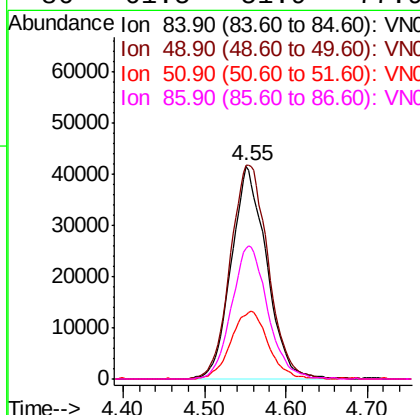
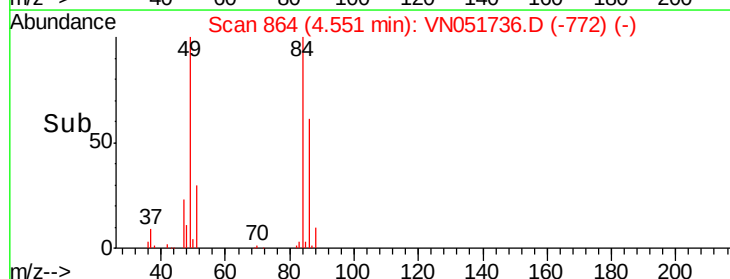
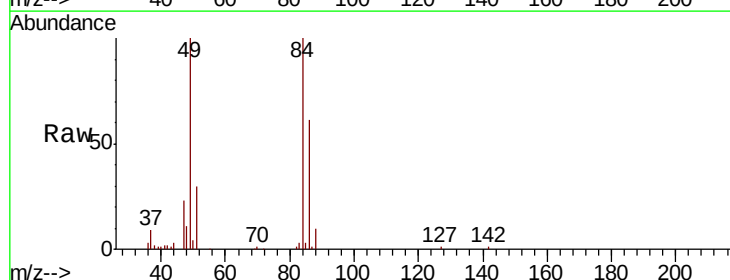
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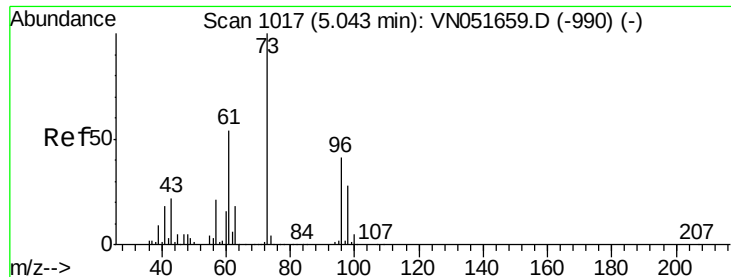
MMDadoda
10/10/2018 11:48:40 AM



#20
Methylene Chloride
Concen: 20.493 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion: 84 Resp: 124949
Ion Ratio Lower Upper
84 100
49 100.5 89.5 134.3
51 30.1 27.4 41.0
86 61.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.537 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 96 Resp: 120948

Ion Ratio Lower Upper

96 100

61 121.4 104.7 157.1

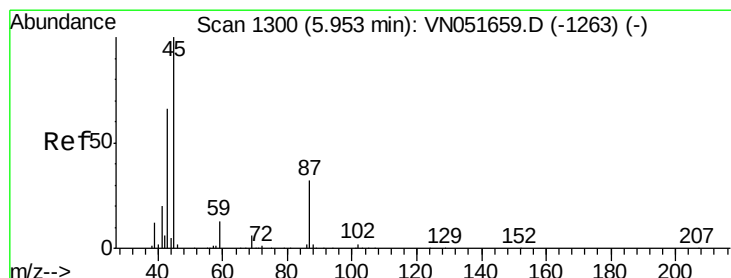
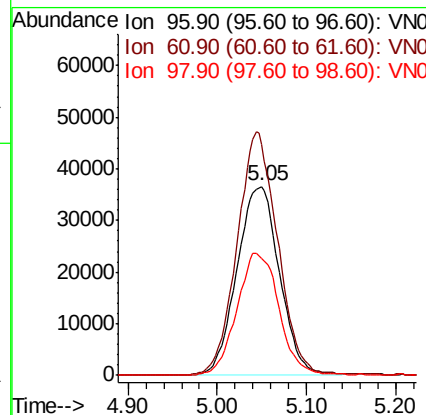
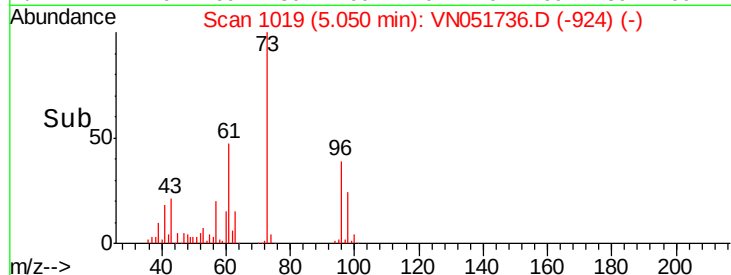
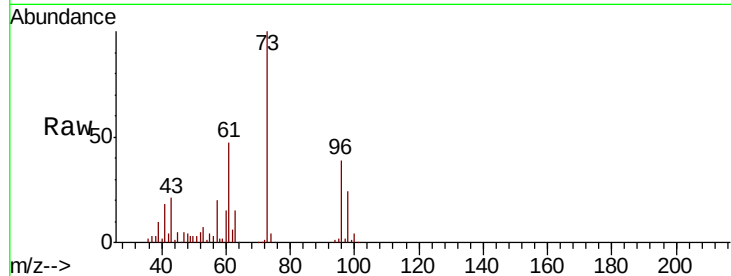
98 62.1 54.6 82.0

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#22

Diisopropyl ether

Concen: 19.736 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Tgt Ion: 45 Resp: 337100

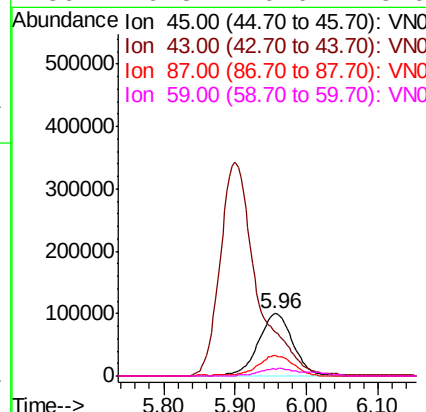
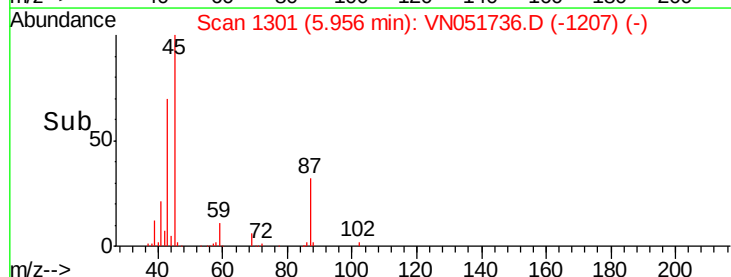
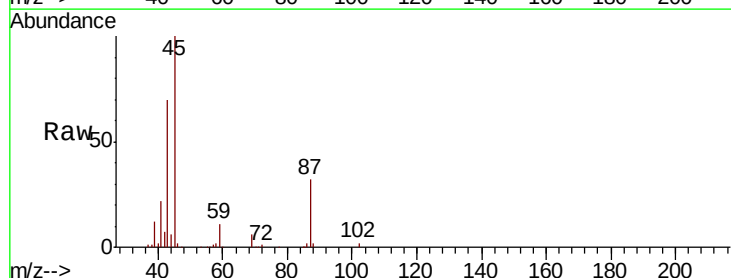
Ion Ratio Lower Upper

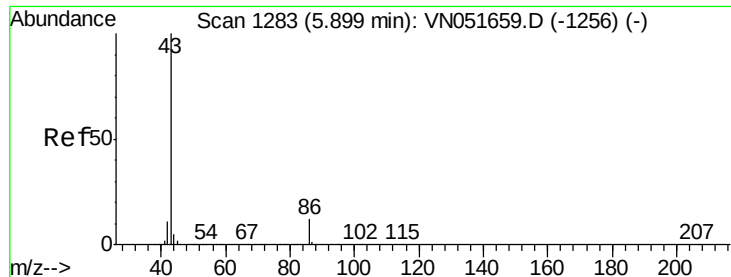
45 100

43 68.4 53.0 79.4

87 31.6 26.4 39.6

59 10.8 10.0 15.0





#23

Vinyl Acetate

Concen: 97.708 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 43 Resp: 1227091

Ion Ratio Lower Upper

43 100

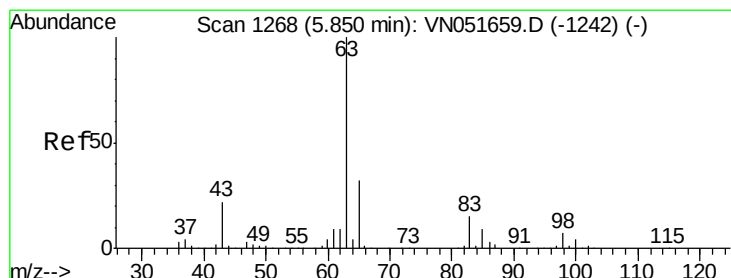
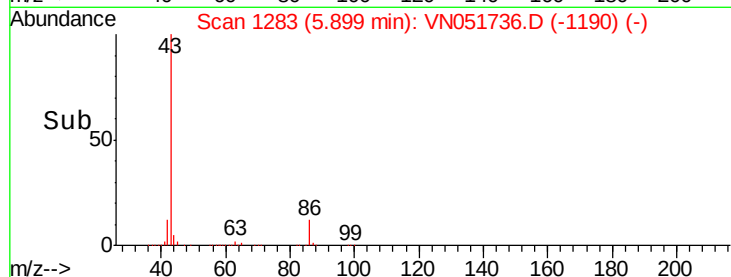
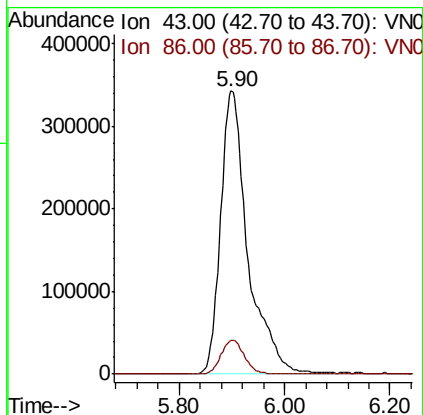
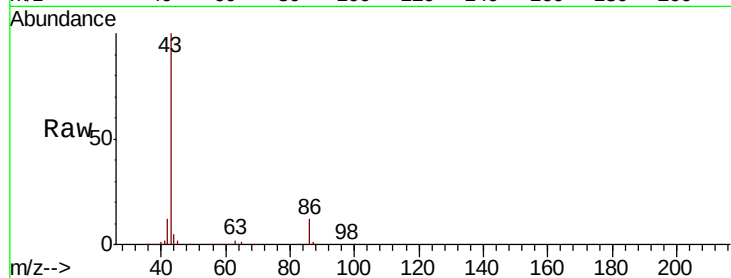
86 12.1 9.3 13.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.698 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

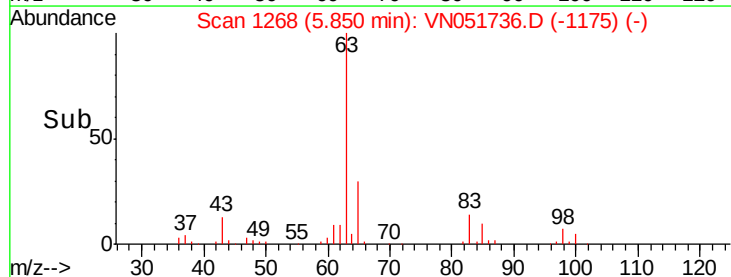
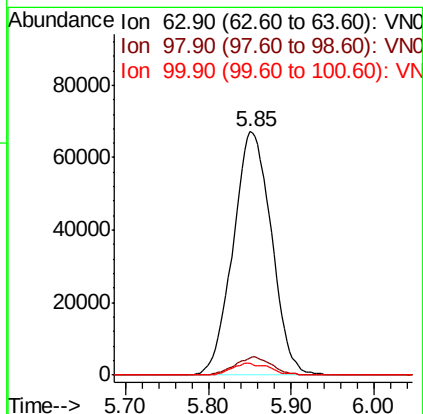
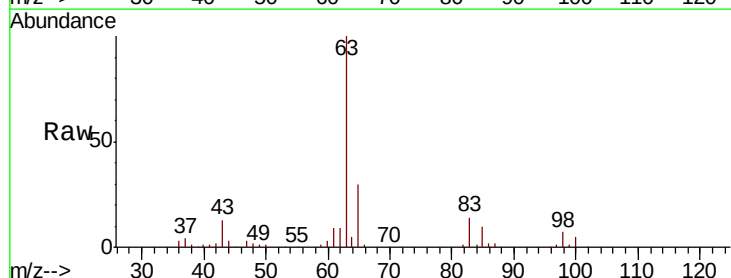
Tgt Ion: 63 Resp: 216375

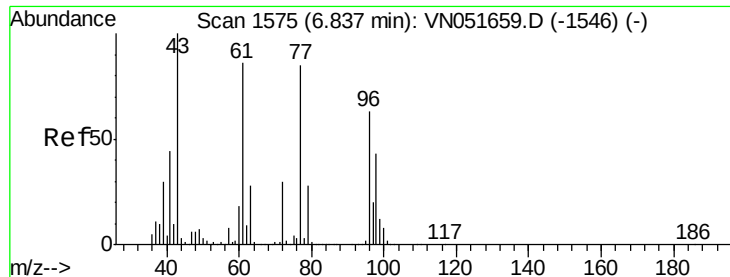
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.8 2.2 6.6





#25

2-Butanone

Concen: 97.059 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 43 Resp: 207703

Ion Ratio Lower Upper

43 100

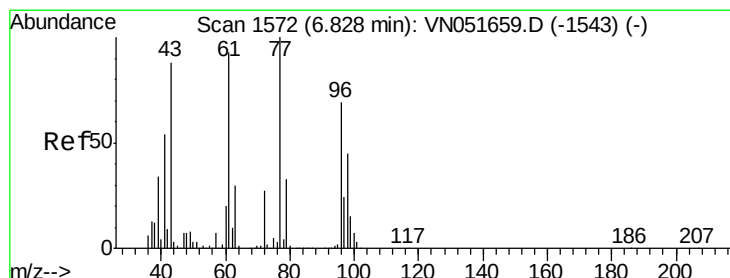
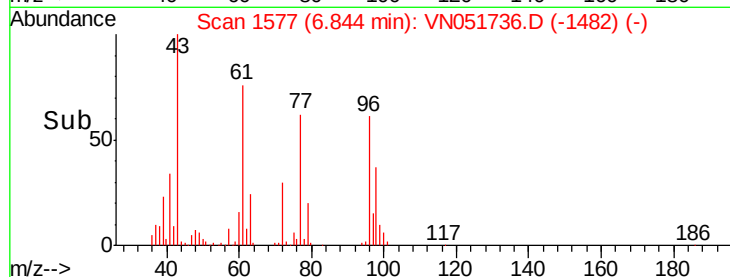
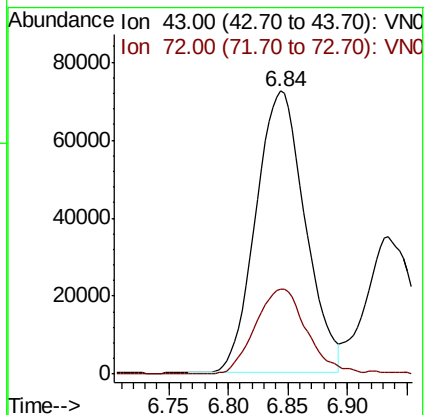
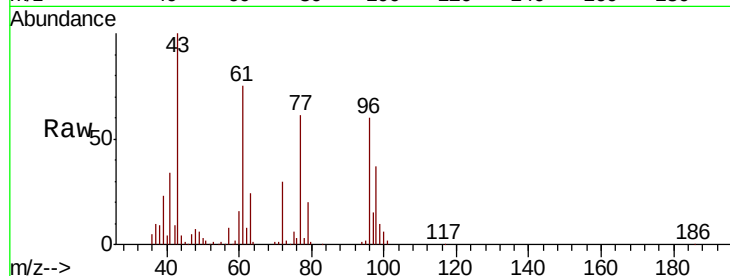
72 30.2 24.2 36.2

Manual Integrations

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10/10/2018 11:48:40 AM



#26

2,2-Dichloropropane

Concen: 17.093 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051736.D

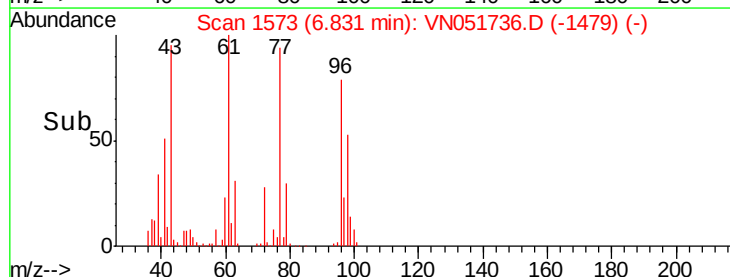
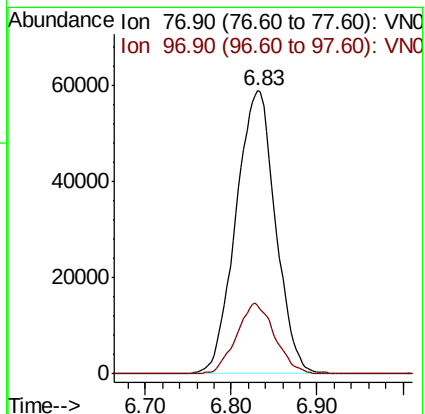
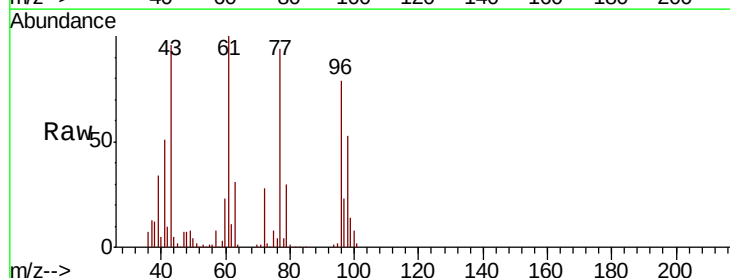
Acq: 8 Oct 2018 15:24

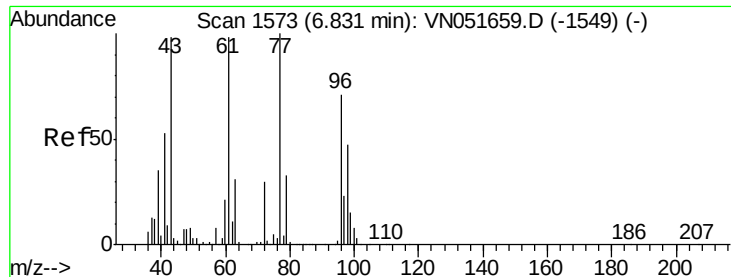
Tgt Ion: 77 Resp: 188159

Ion Ratio Lower Upper

77 100

97 24.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.463 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

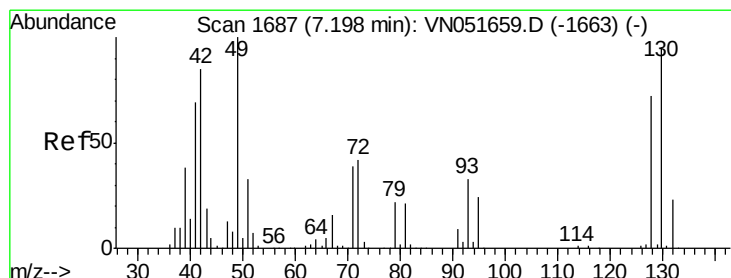
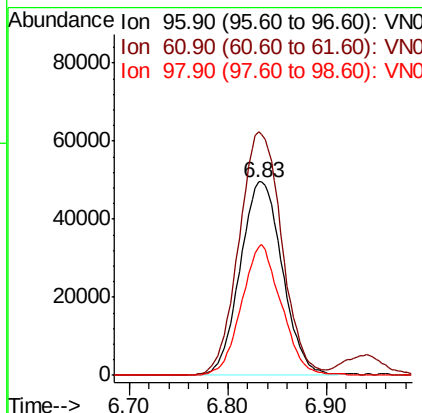
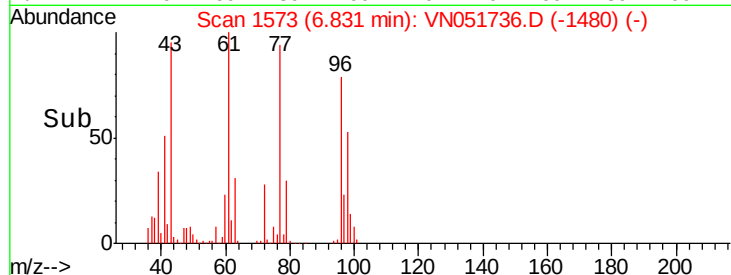
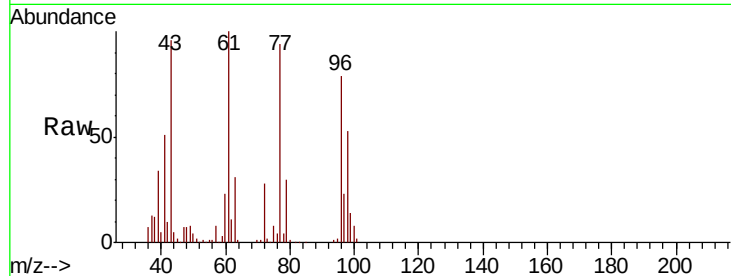
ClientSampleId :

VN1008WBSD01

Tot Ion:	96	Resp:	147064
Ion	Ratio	Lower	Upper
96	100		
61	127.3	0.0	275.4
98	63.6	0.0	129.6

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#28

Bromochloromethane

Concen: 19.184 ug/l

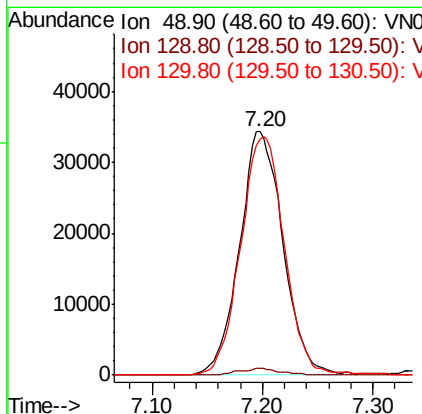
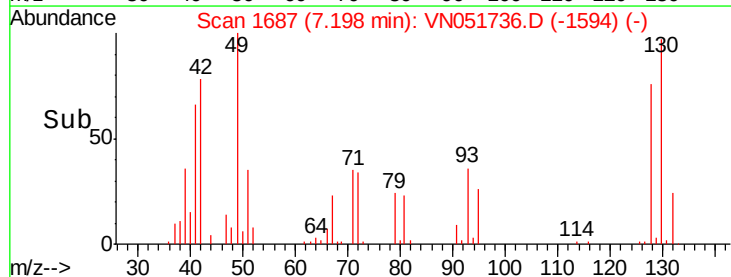
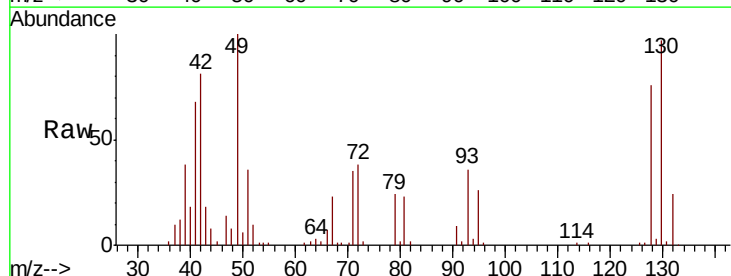
RT: 7.20 min Scan# 1687

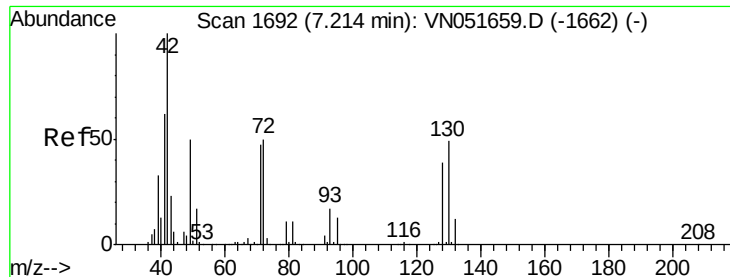
Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Tgt Ion:	49	Resp:	93297
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	98.7	75.7	113.5





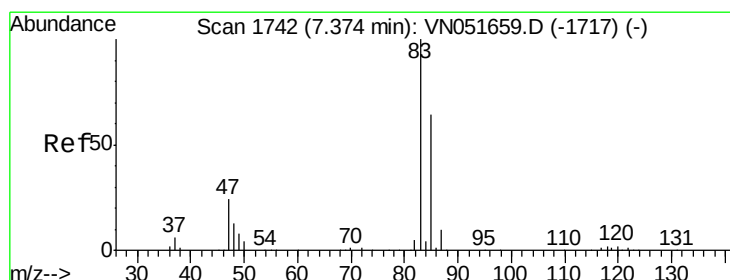
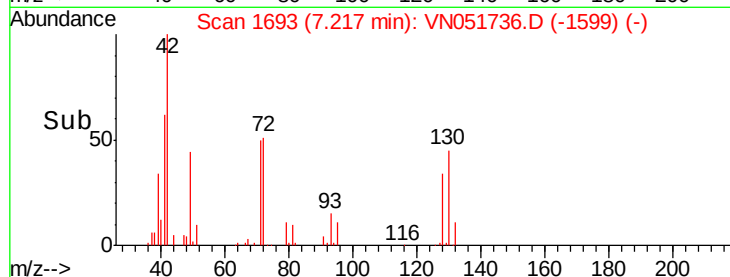
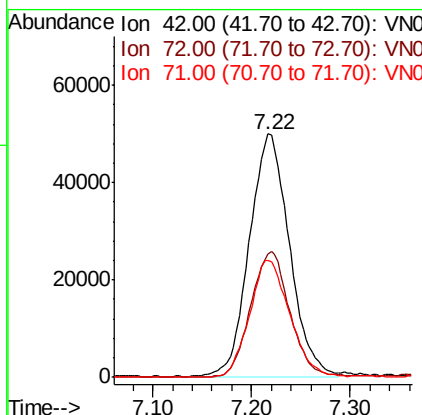
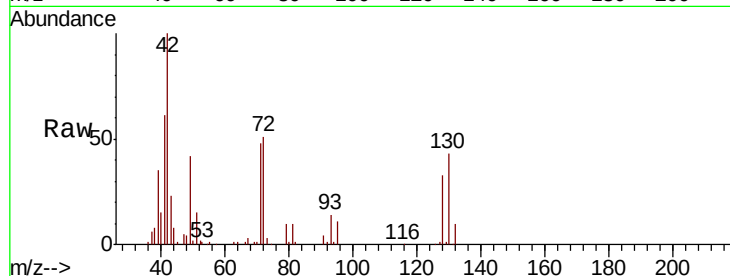
#29
Tetrahydrofuran
Concen: 105.989 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	40.1	60.1
71	48.8	38.0	57.0

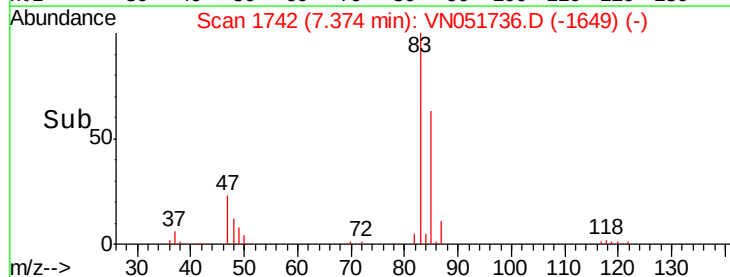
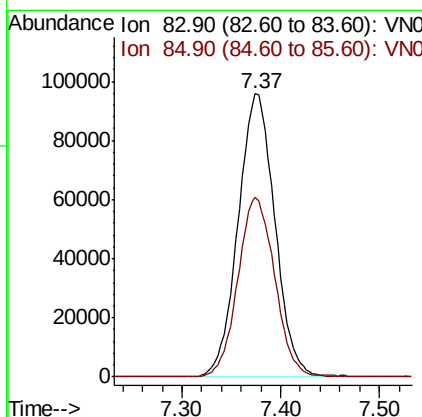
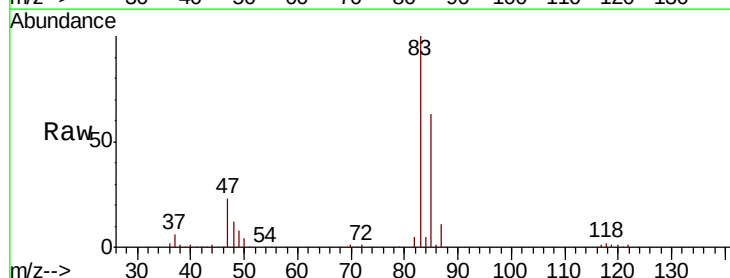
Manual Integrations
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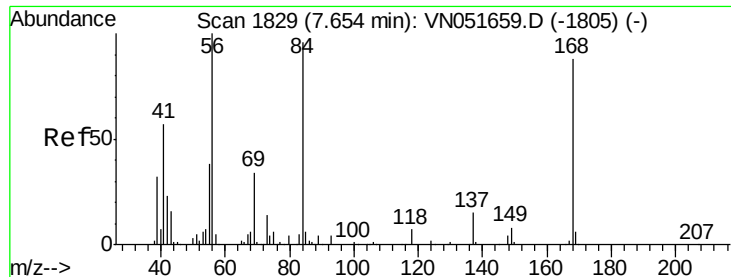
MMDadoda
10/10/2018 11:48:40 AM



#30
Chloroform
Concen: 20.063 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.6	77.4





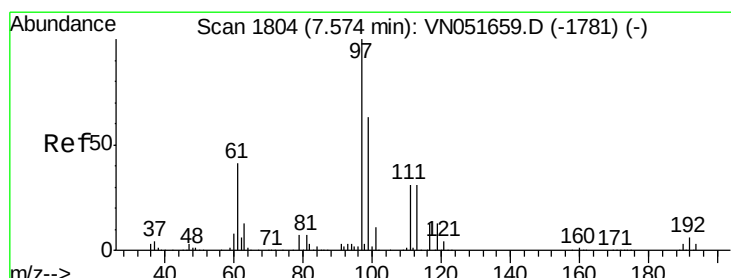
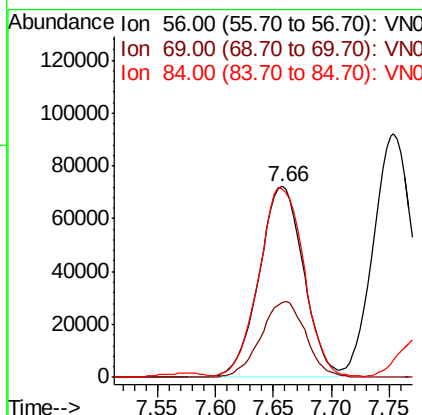
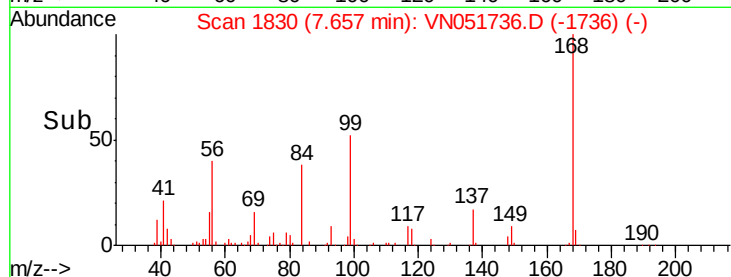
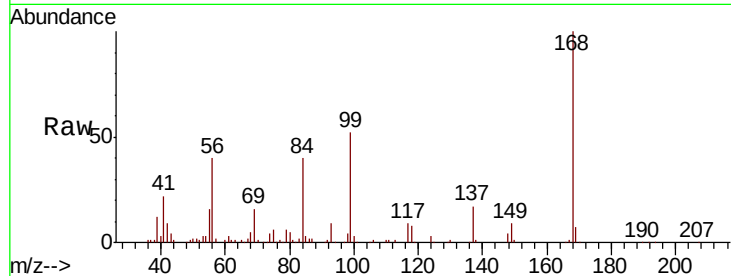
#31
Cyclohexane
Concen: 19.176 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	27.5	41.3
84	96.6	76.7	115.1

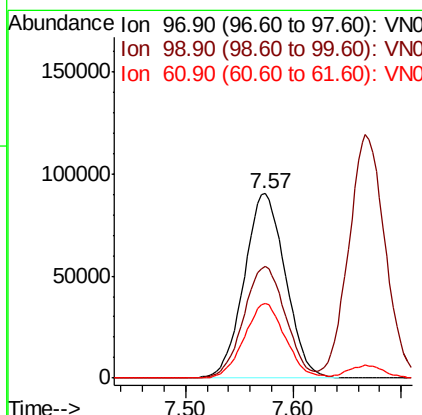
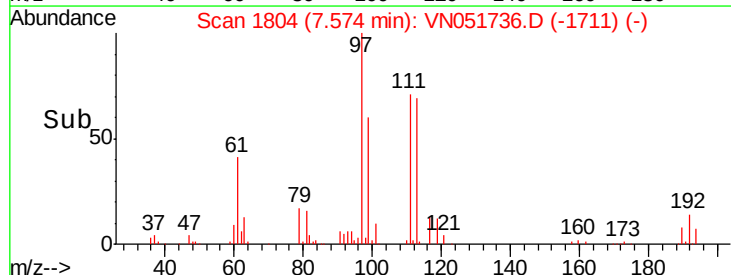
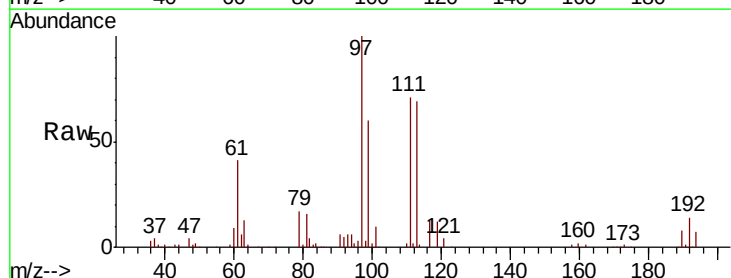
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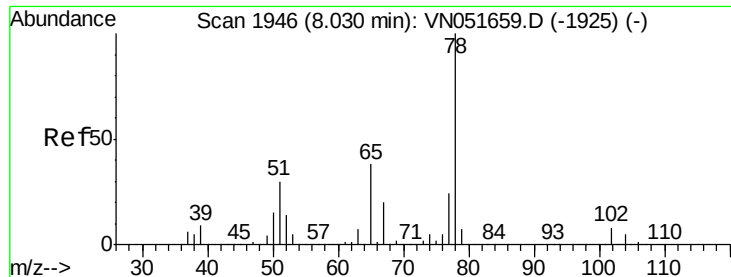
MMDadoda
10/10/2018 11:48:40 AM



#32
1,1,1-Trichloroethane
Concen: 20.097 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.1	51.9	77.9
61	40.1	33.4	50.0





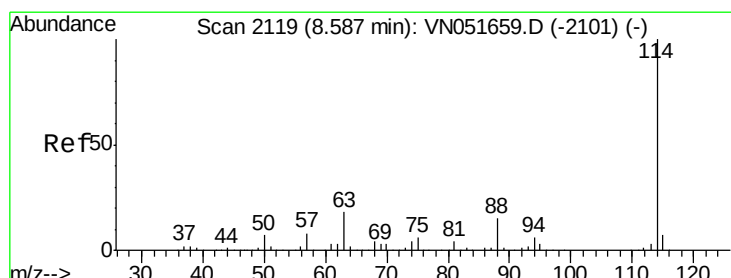
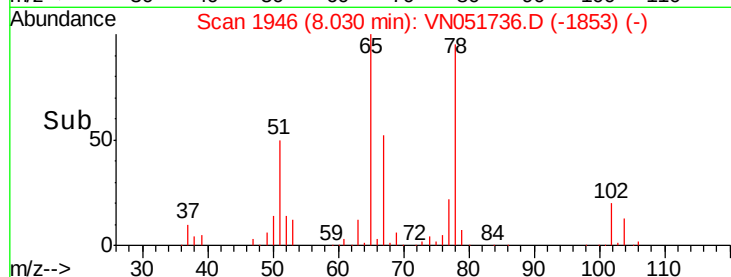
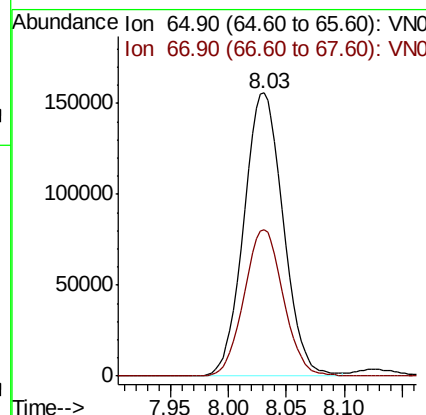
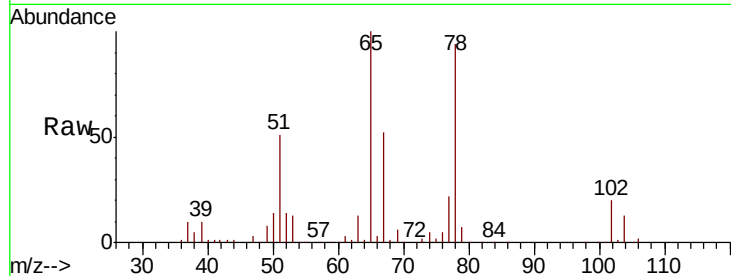
#33
 1,2-Dichloroethane-d4
 Concen: 20.097 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	103.6	

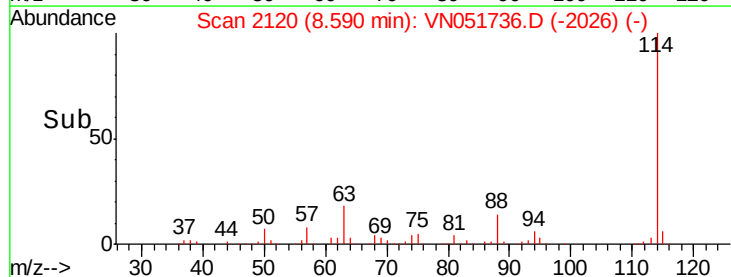
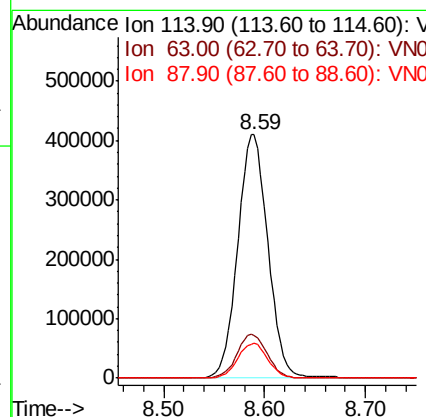
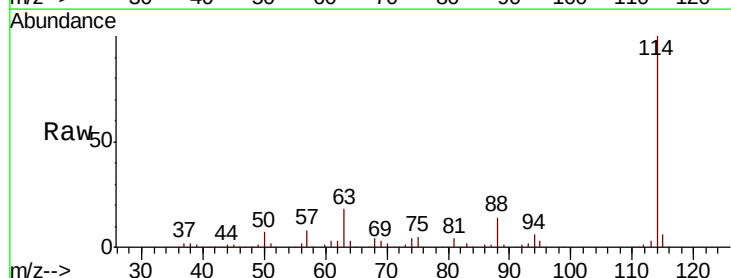
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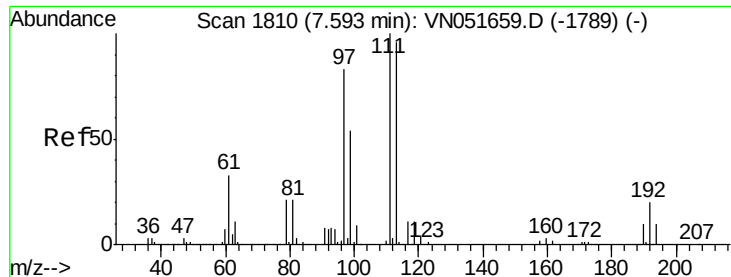
MMDadoda
 10/10/2018 11:48:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.7	0.0	36.2	
88	14.2	0.0	30.2	





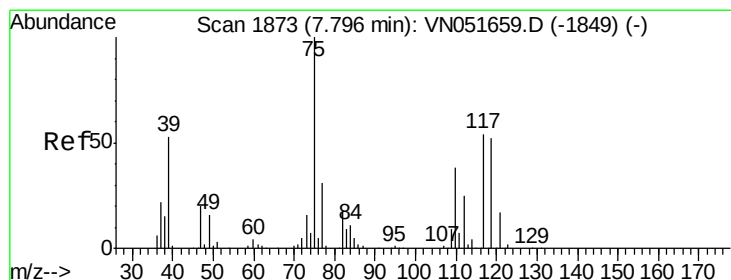
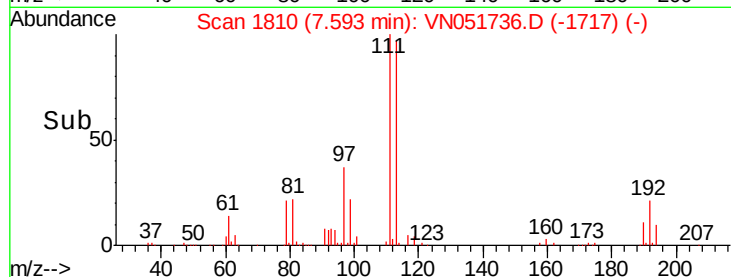
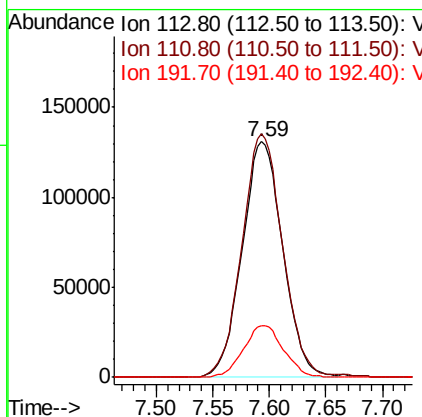
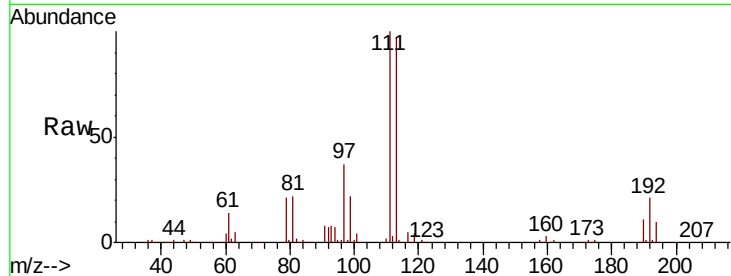
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.8
192	21.6	16.5	24.7

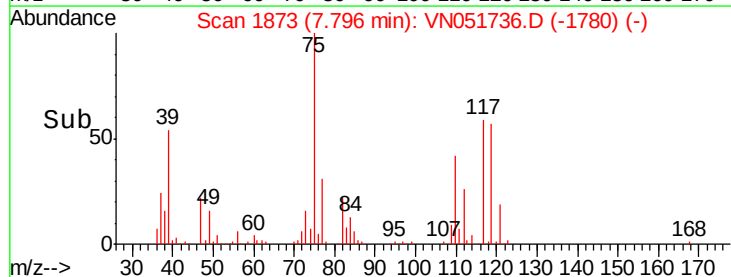
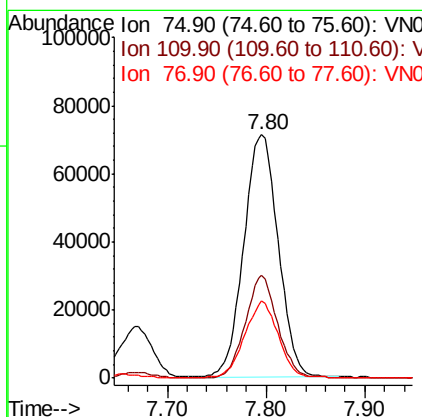
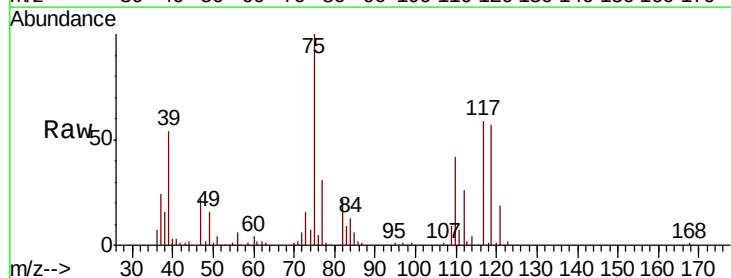
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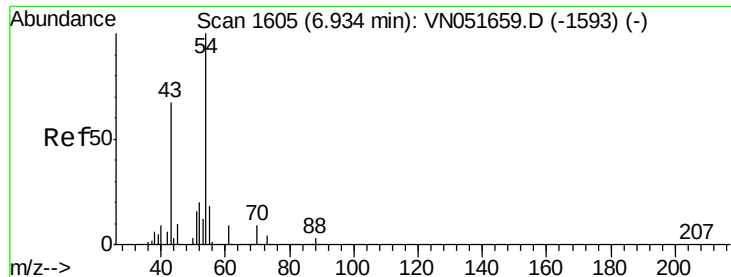
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.358 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.6	19.3	57.8
77	30.8	24.7	37.1





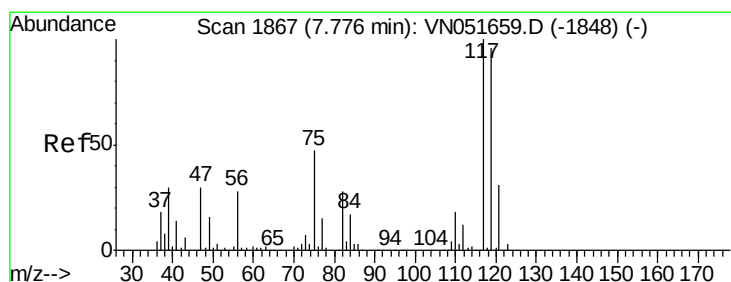
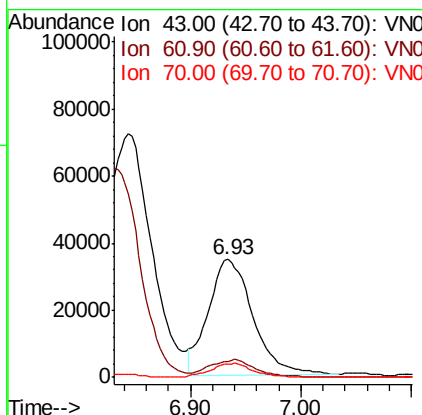
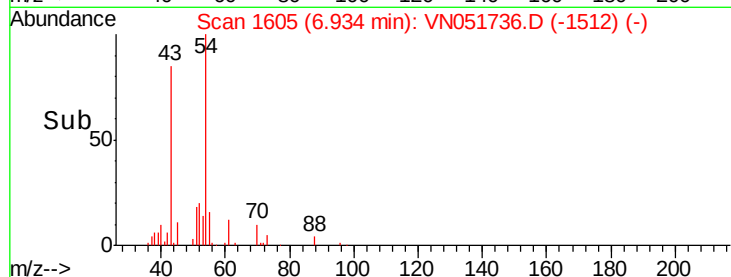
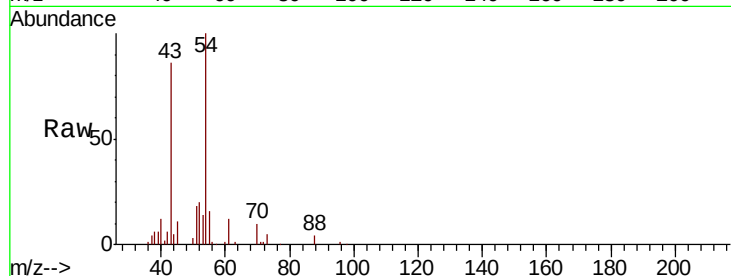
#37
Ethyl Acetate
Concen: 20.709 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.8	17.6
70	11.6	8.7	13.1

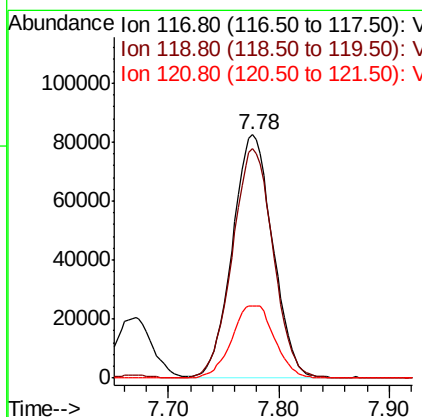
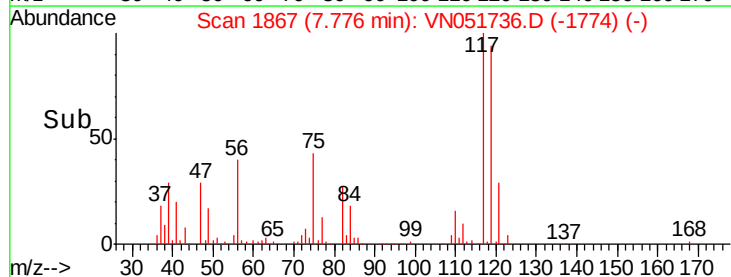
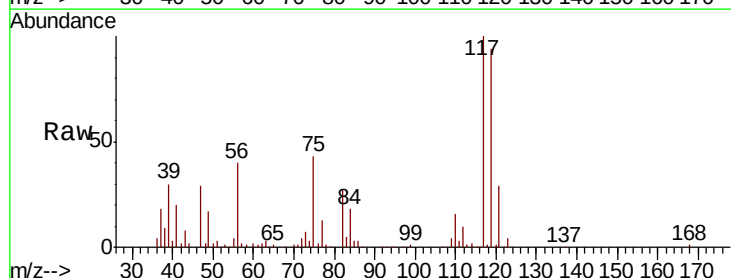
Manual Integrations
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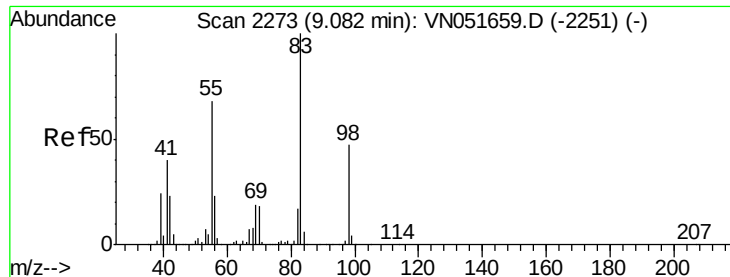
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#38
Carbon Tetrachloride
Concen: 19.535 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.0	115.6
121	29.5	25.0	37.6





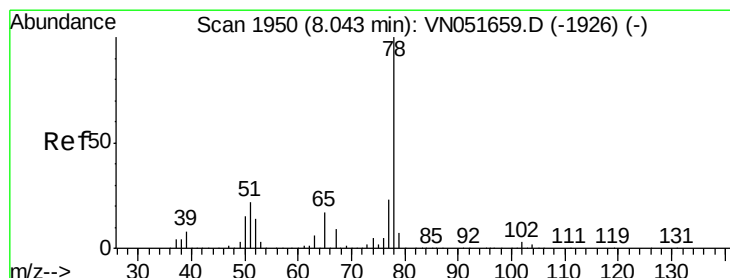
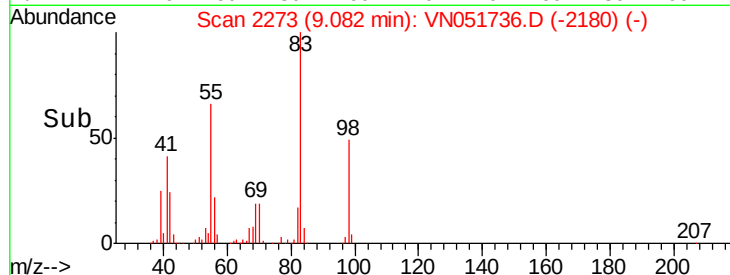
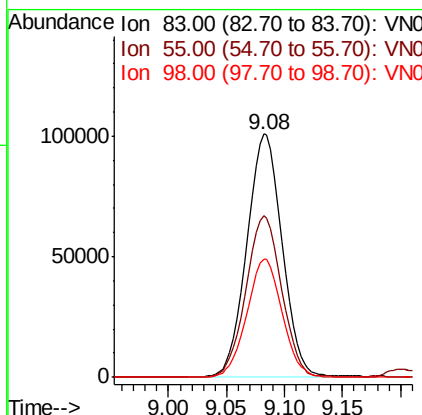
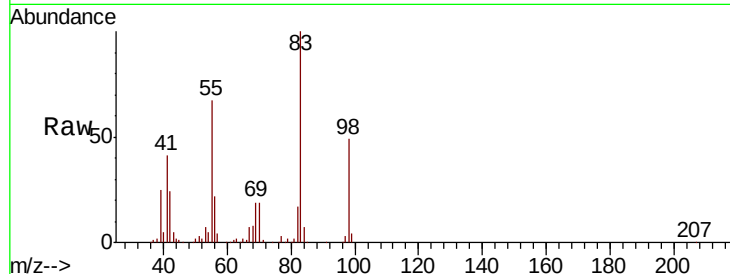
#39
Methylvlcyclohexane
Concen: 19.239 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	66.4	54.3	81.5	
98	48.6	37.4	56.2	

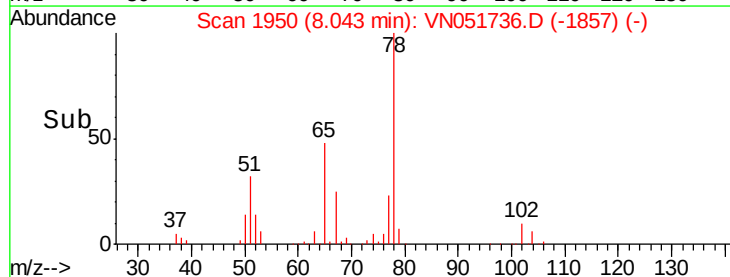
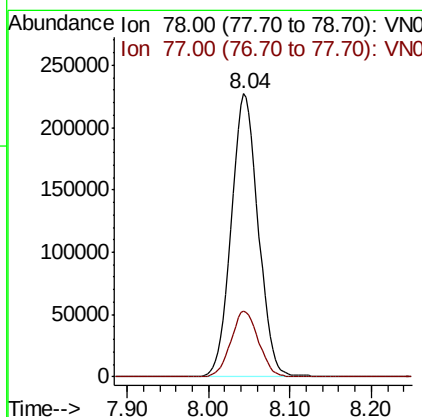
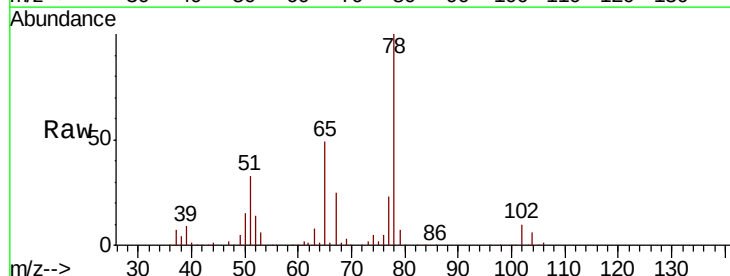
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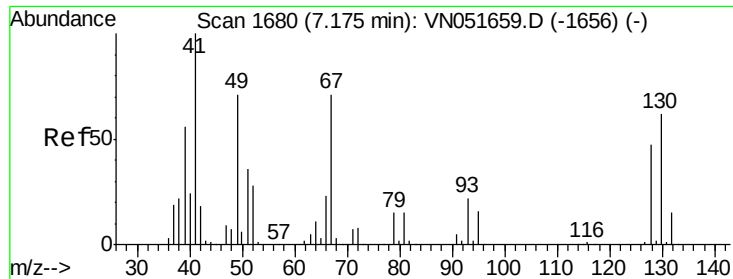
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#40
Benzene
Concen: 19.886 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	18.5	27.7	





#41

Methacrylonitrile

Concen: 19.051 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 41 Resp: 46043

Ion Ratio Lower Upper

41 100

39 74.8 53.9 80.9

67 106.9 78.1 117.1

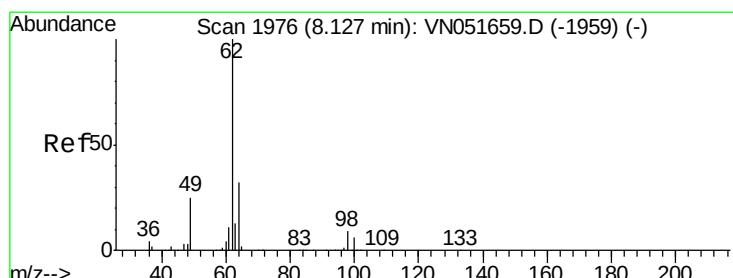
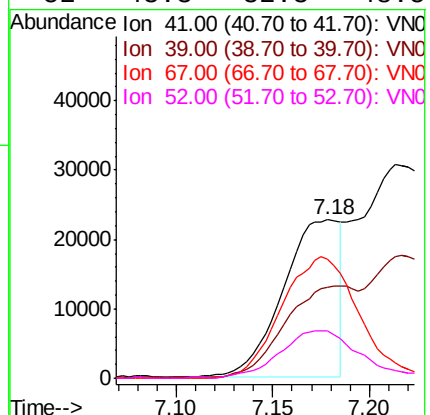
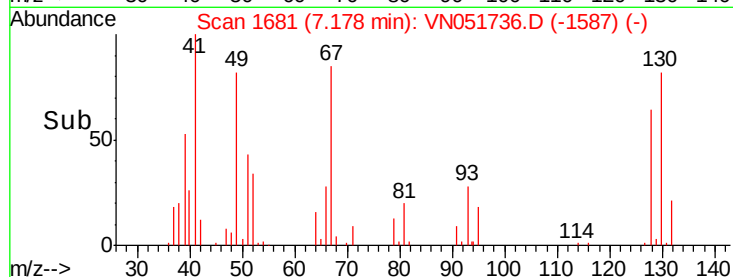
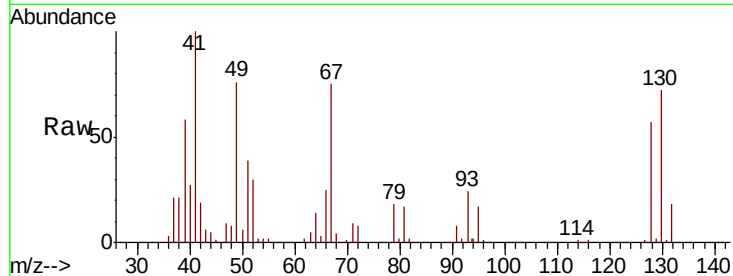
52 43.3 32.3 48.5

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 20.439 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN051736.D

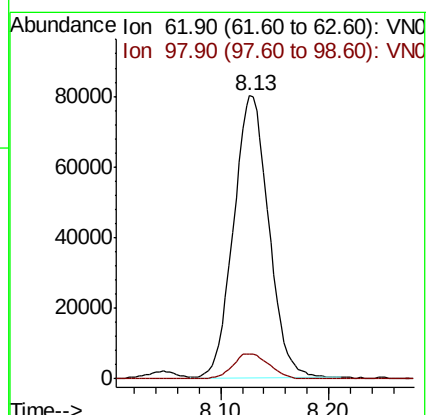
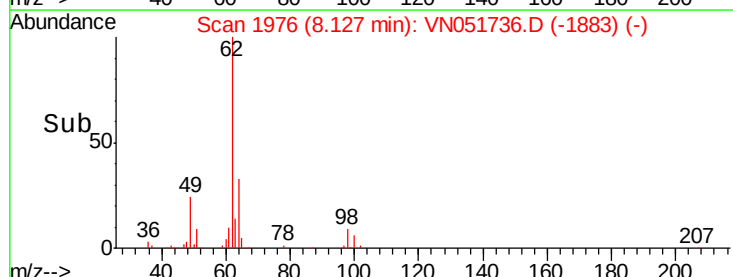
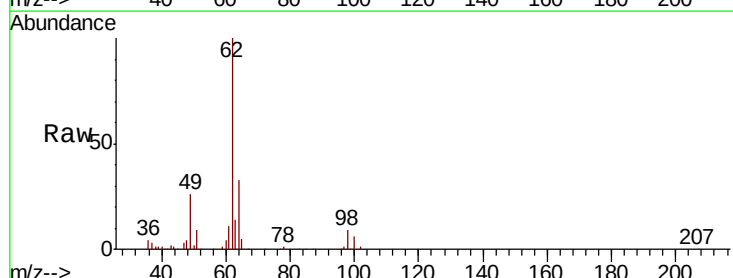
Acq: 8 Oct 2018 15:24

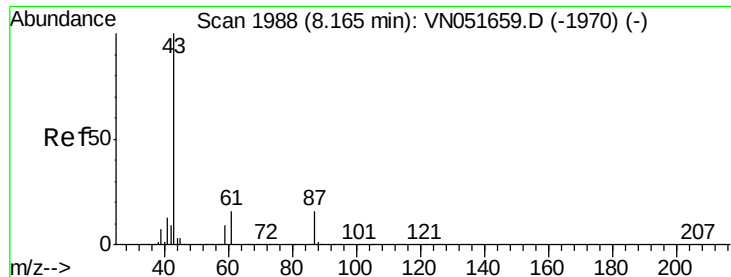
Tgt Ion: 62 Resp: 181881

Ion Ratio Lower Upper

62 100

98 9.3 0.0 18.4





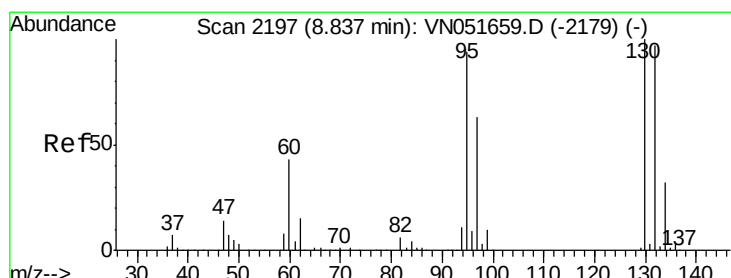
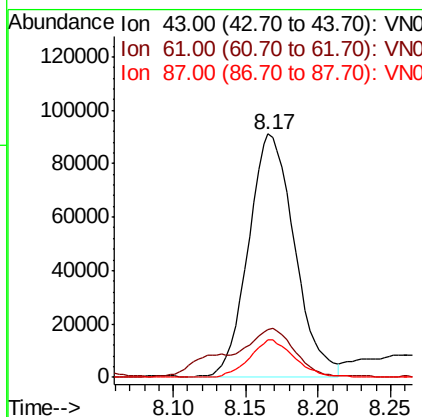
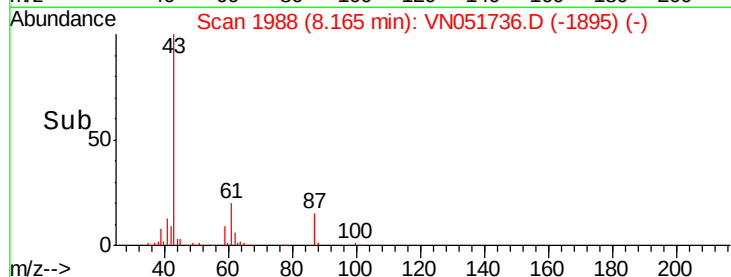
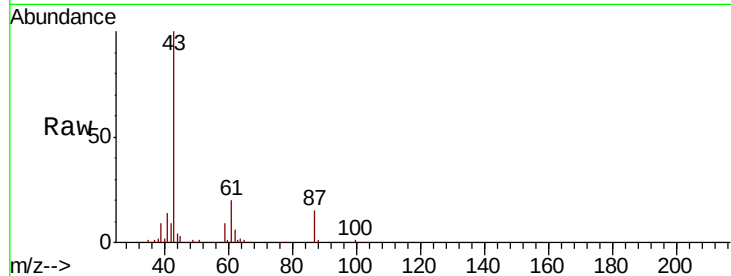
#43
Isopropyl Acetate
Concen: 20.693 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	15.8	23.6#
87	15.2	12.6	19.0

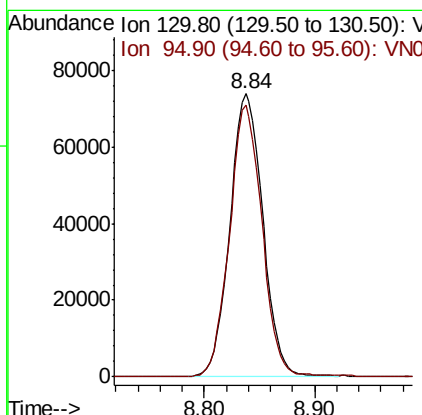
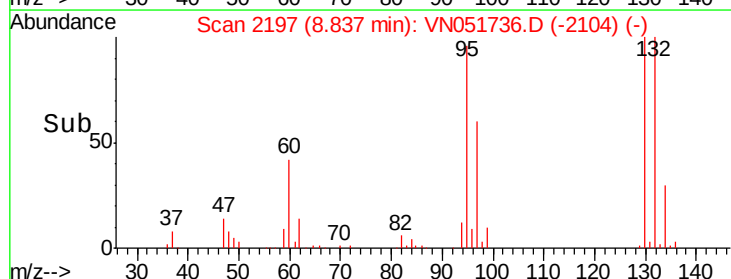
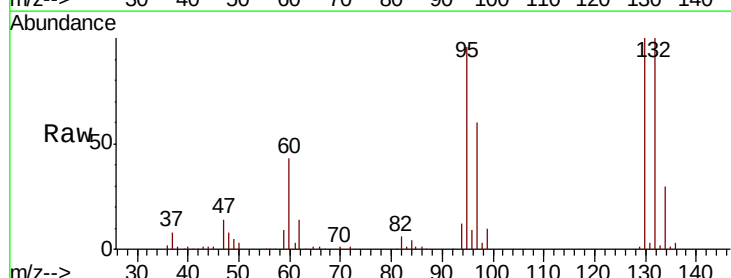
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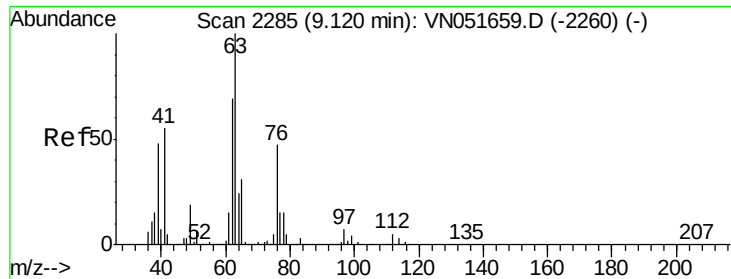
MMDadoda
10/10/2018 11:48:40 AM



#44
Trichloroethene
Concen: 20.444 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	188.0





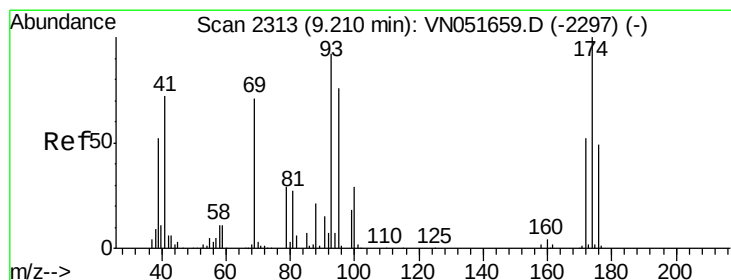
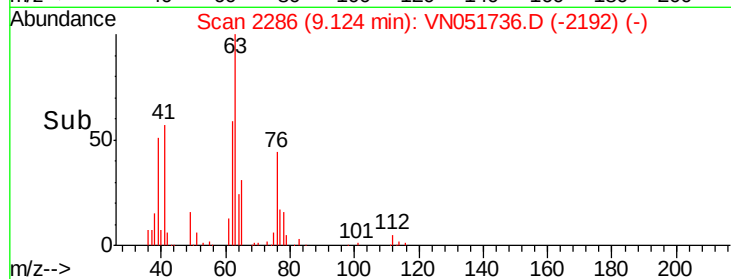
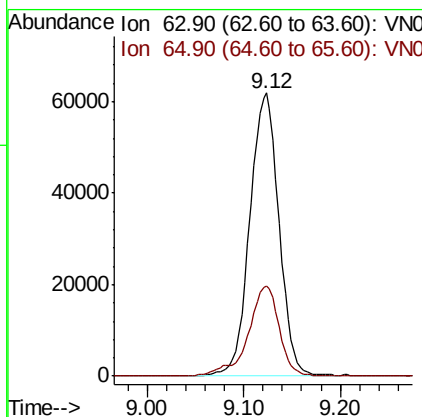
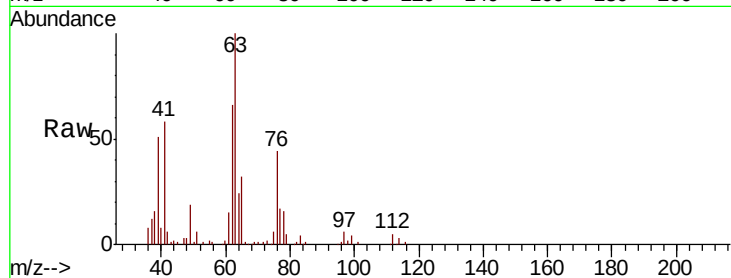
#45
 1,2-Dichloropropane
 Concen: 19.840 ug/l
 RT: 9.12 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.0	37.4

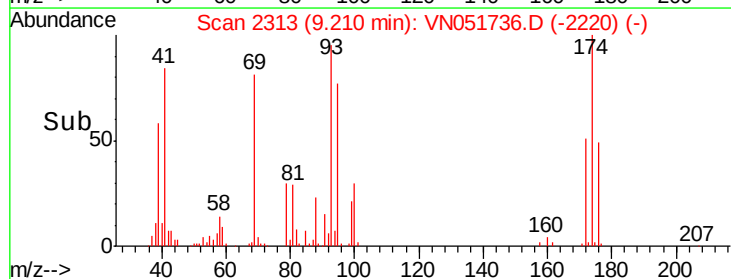
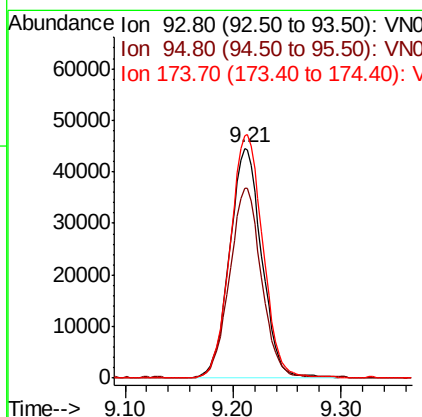
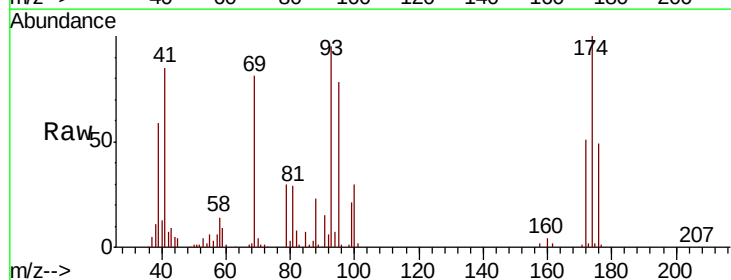
Manual Integrations
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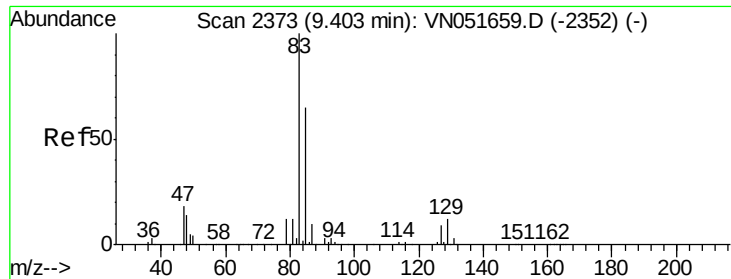
MMDadoda
 10/10/2018 11:48:40 AM



#46
 Dibromomethane
 Concen: 20.392 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.6	100.0
174	107.8	85.9	128.9





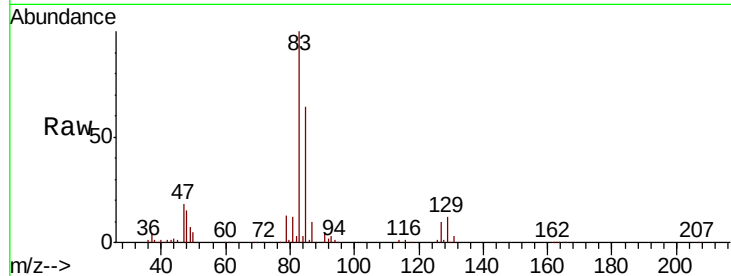
#47
Bromodichloromethane
Concen: 19.610 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

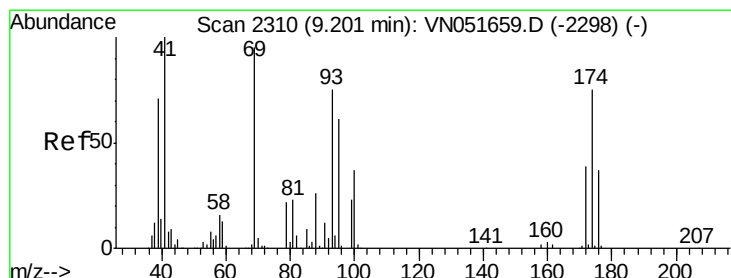
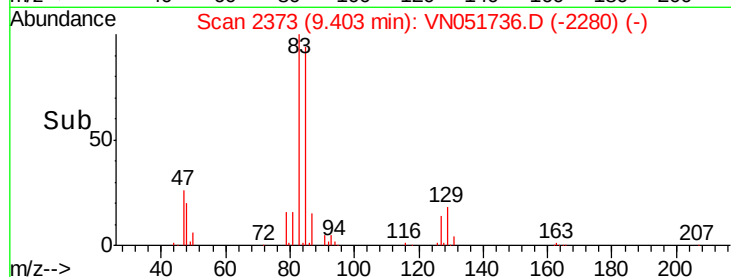
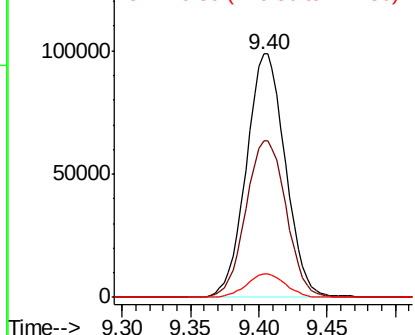
Tot Ion	Ratio	Resp	Lower	Upper
83	100	195887		
85	64.3		51.6	77.4
127	9.5		7.3	10.9

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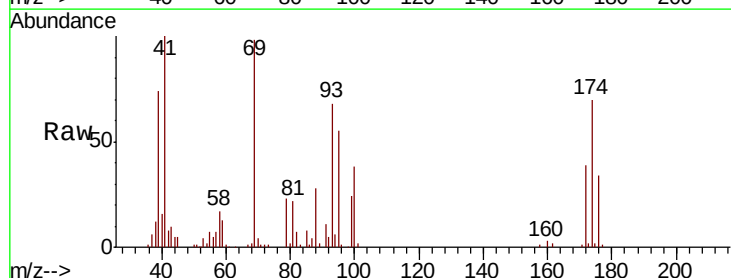


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

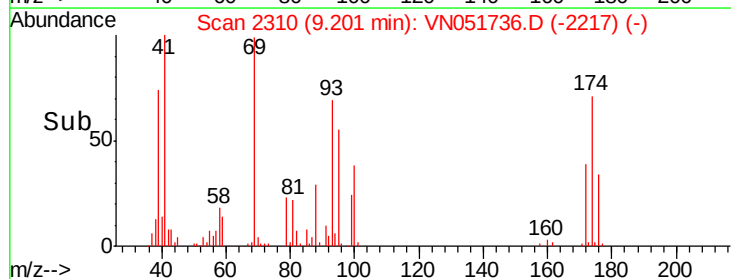
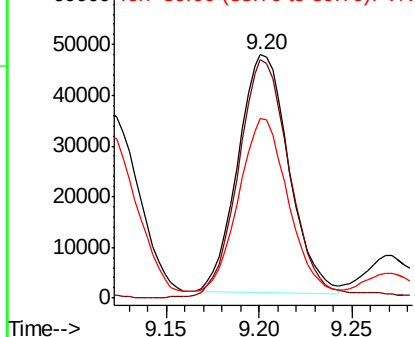


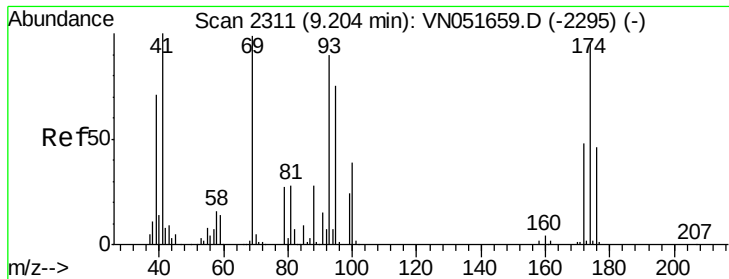
#48
Methyl methacrylate
Concen: 20.391 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	90247		
69	102.6		78.6	118.0
39	74.8		59.2	88.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





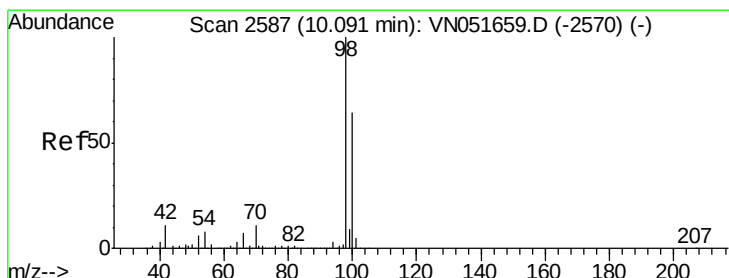
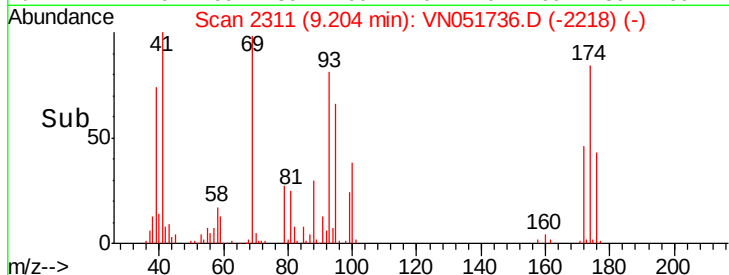
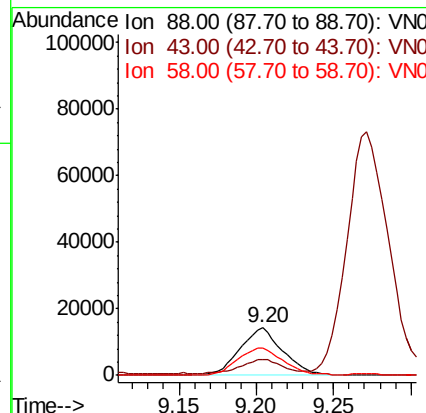
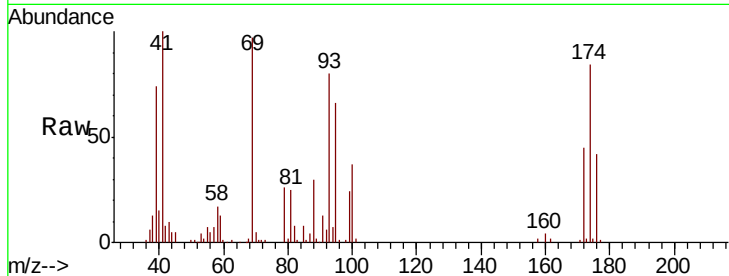
#49
1,4-Dioxane
Concen: 410.634 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	88	Resp	27251
Ion	Ratio	Lower	Upper
88	100		
43	29.2	24.5	36.7
58	62.1	47.6	71.4

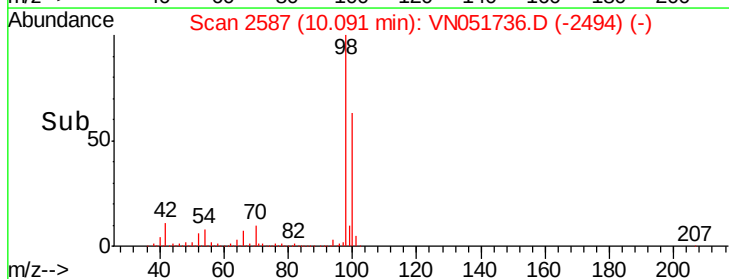
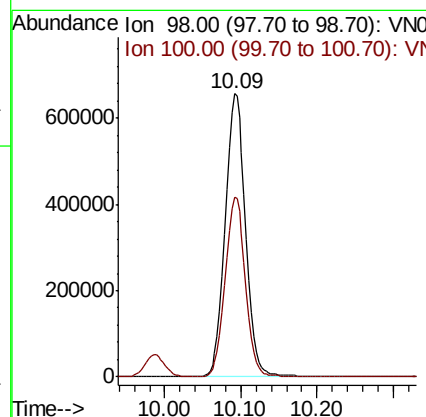
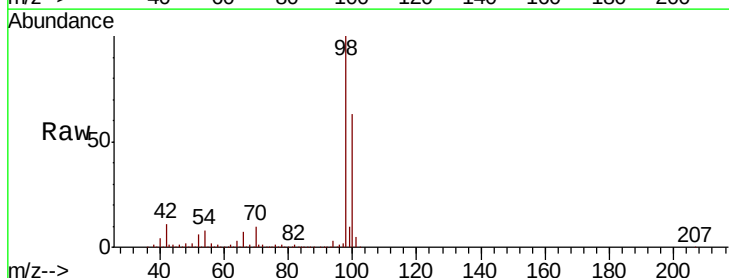
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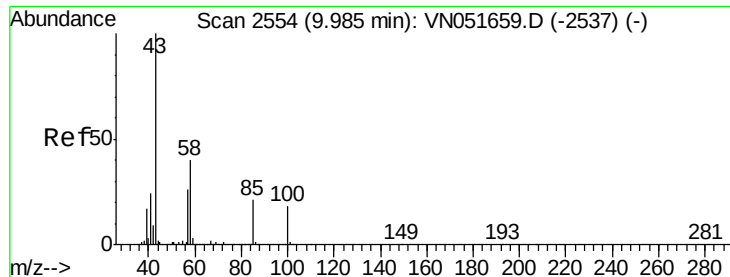
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#50
Toluene-d8
Concen: 410.634 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	98	Resp	1225757
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.5	77.3





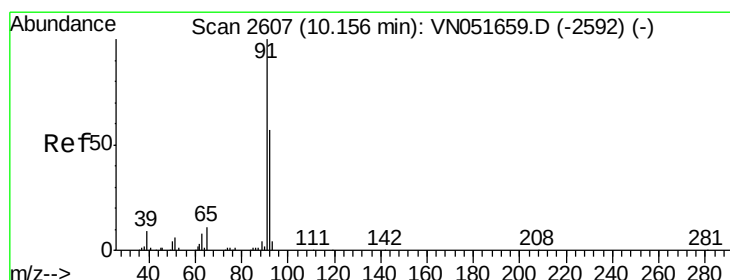
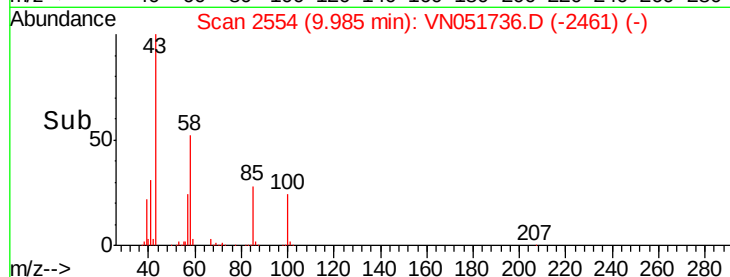
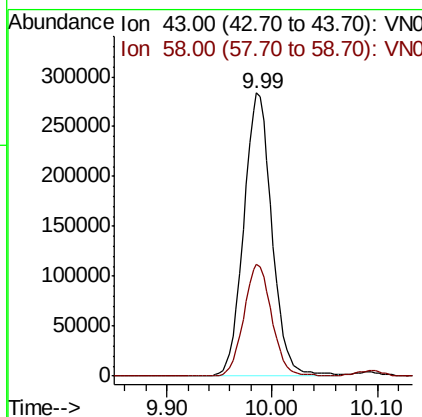
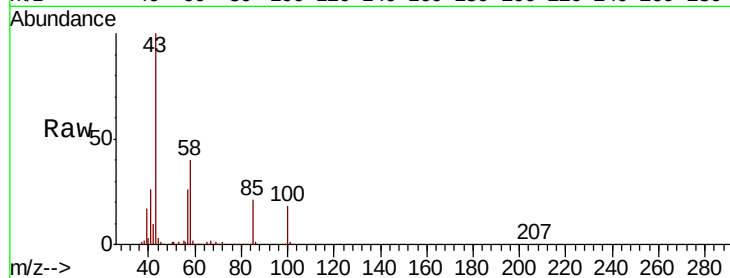
#51
4-Methyl-2-Pentanone
Concen: 106.852 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.2	48.2

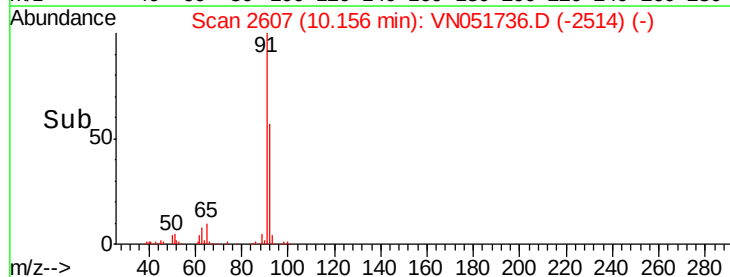
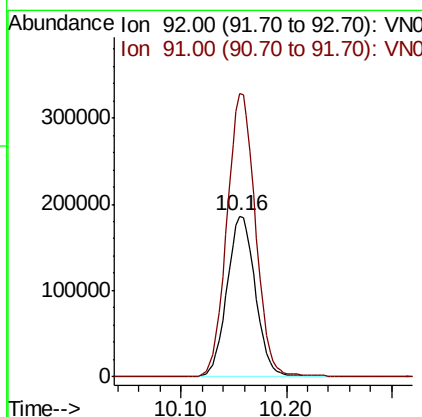
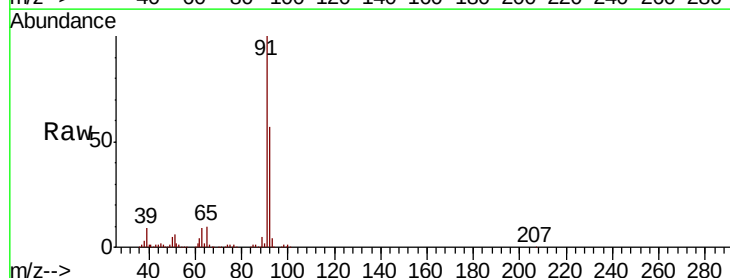
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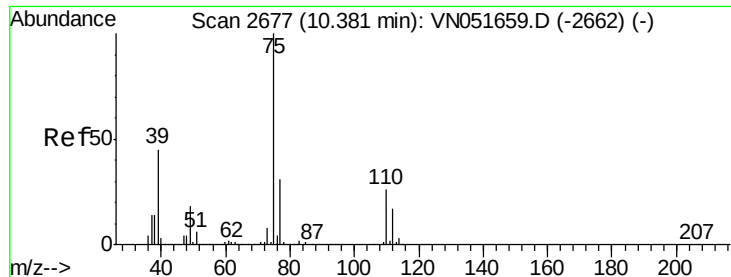
MMDadoda
10/10/2018 11:48:40 AM



#52
Toluene
Concen: 19.732 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.4	140.3	210.5





#53

t-1,3-Dichloropropene

Concen: 18.446 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 75 Resp: 190137

Ion Ratio Lower Upper

75 100

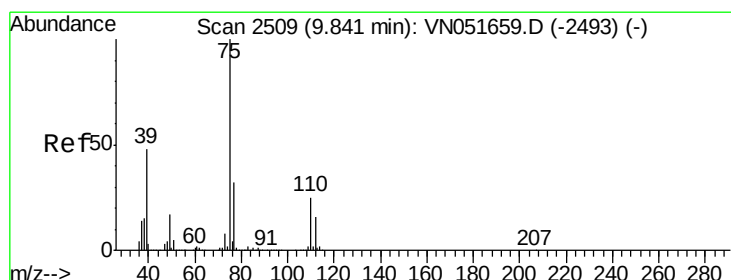
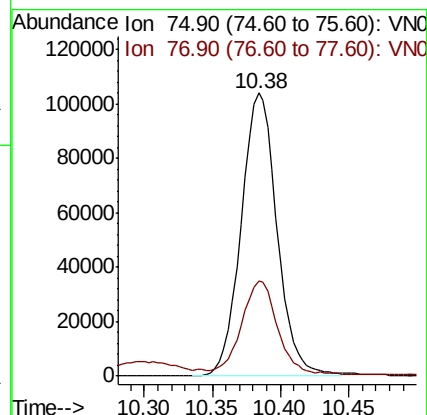
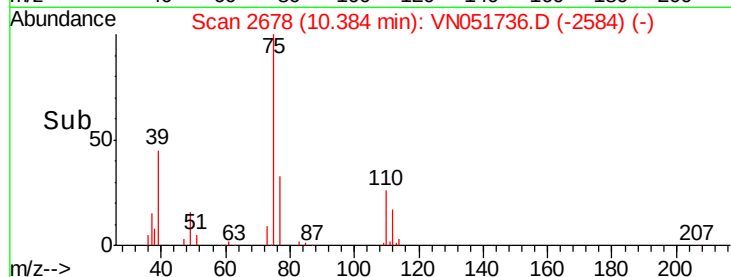
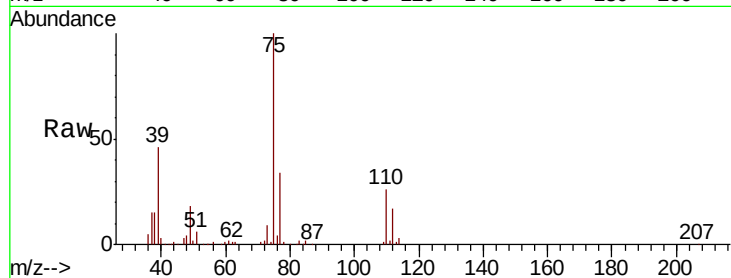
77 32.7 25.5 38.3

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10/10/2018 11:48:40 AM



#54

cis-1,3-Dichloropropene

Concen: 18.408 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

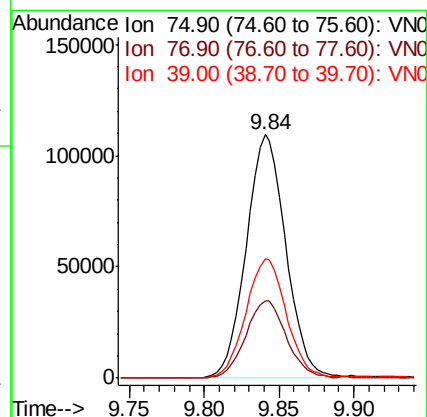
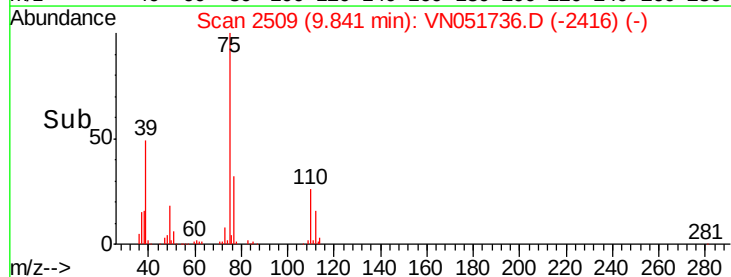
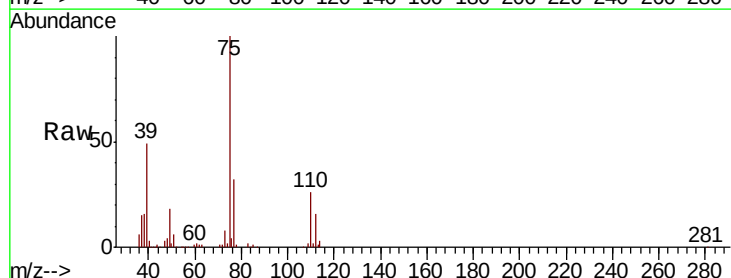
Tgt Ion: 75 Resp: 201487

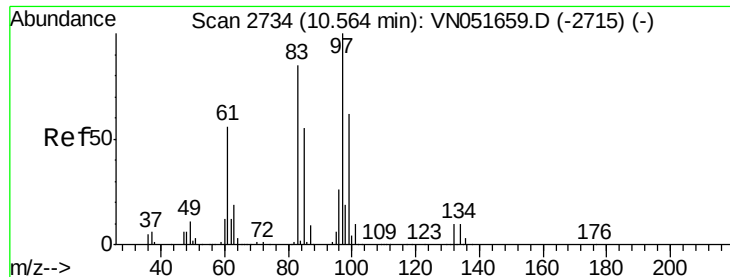
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 48.6 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 20.373 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

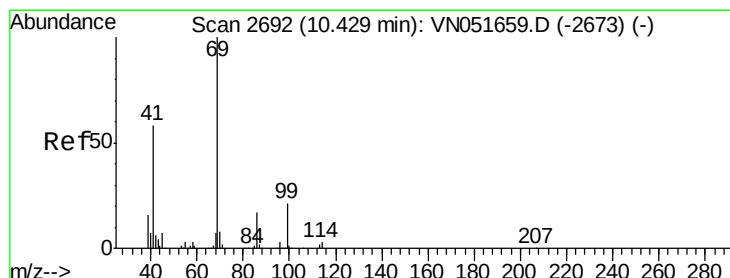
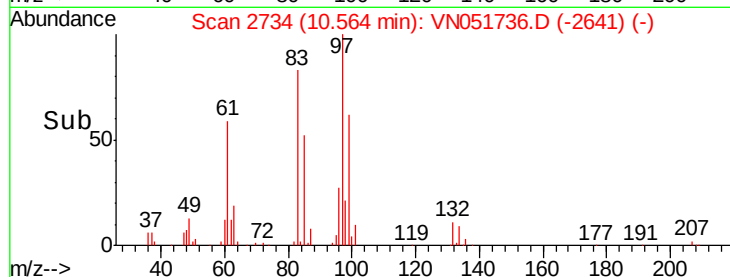
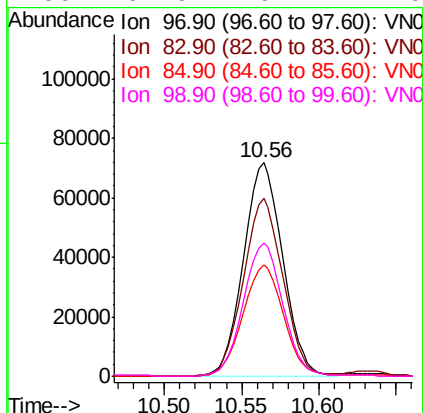
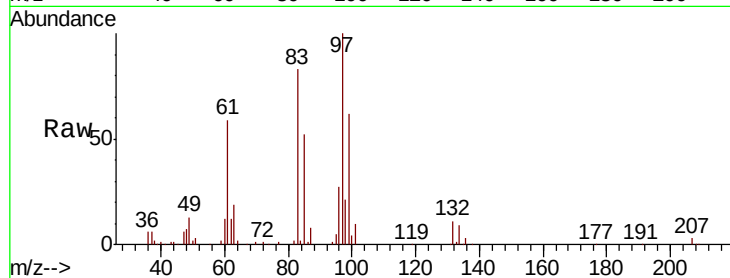
ClientSampleId :

VN1008WBSD01

Tot Ion:	97	Resp:	127457
Ion	Ratio	Lower	Upper
97	100		
83	83.1	68.1	102.1
85	52.2	43.6	65.4
99	61.9	49.4	74.0

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#56

Ethyl methacrylate

Concen: 20.301 ug/l

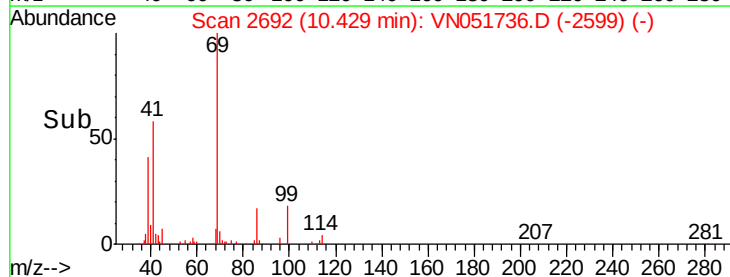
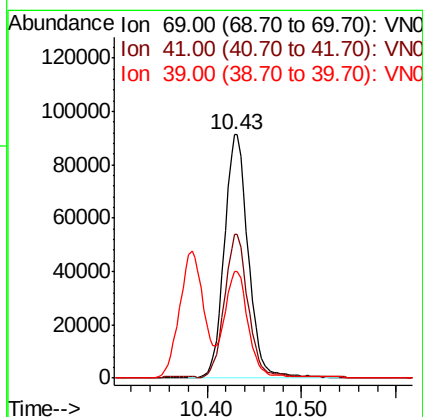
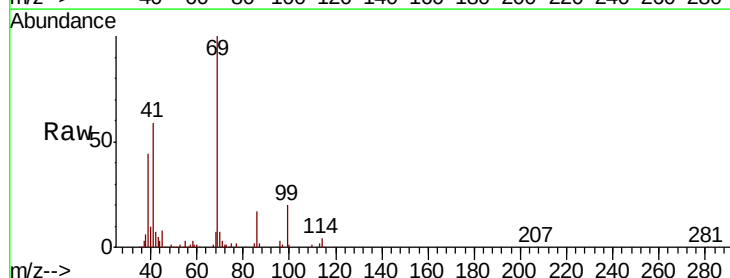
RT: 10.43 min Scan# 2692

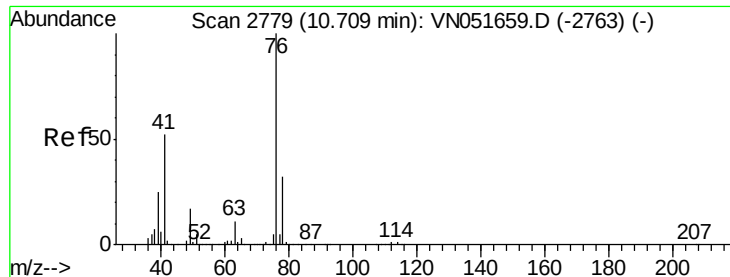
Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Tgt Ion:	69	Resp:	160614
Ion	Ratio	Lower	Upper
69	100		
41	57.6	46.4	69.6
39	41.0	32.4	48.6





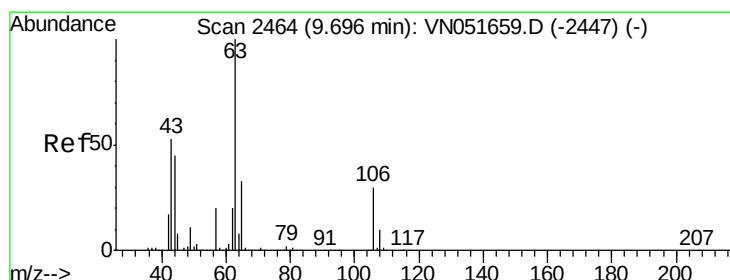
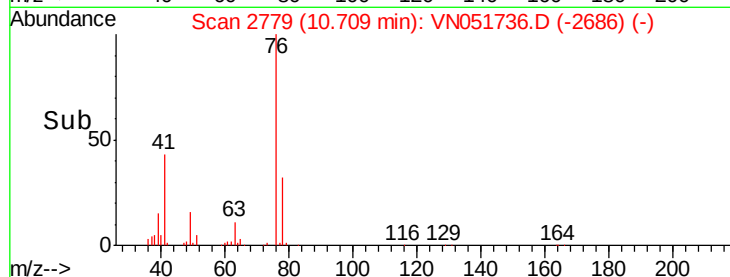
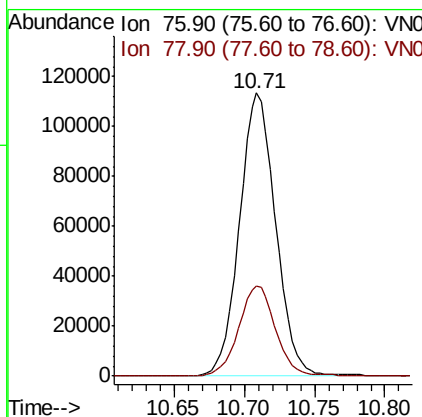
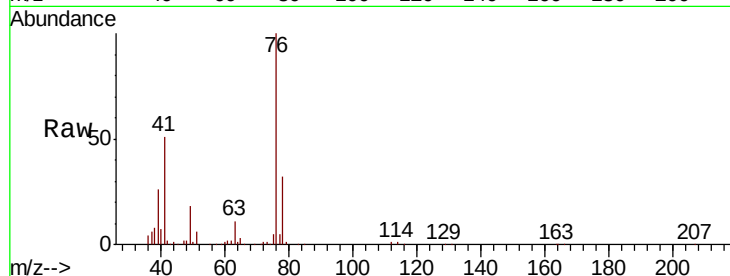
#57
 1,3-Dichloropropane
 Concen: 20.532 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion: 76 Resp: 203299
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0

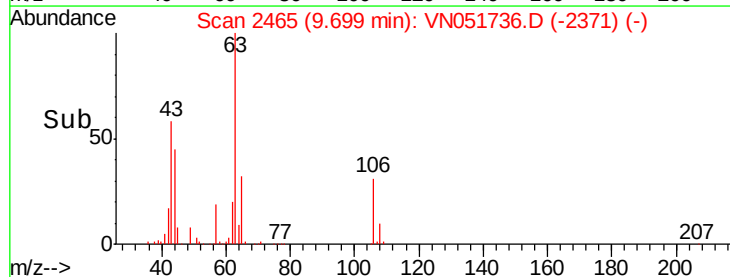
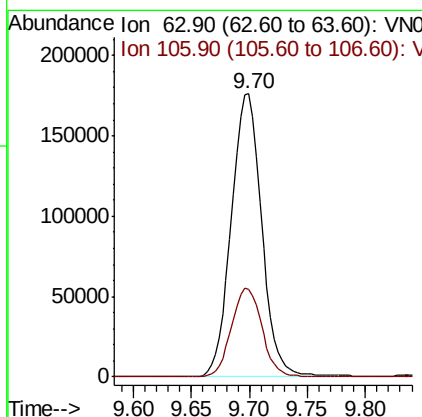
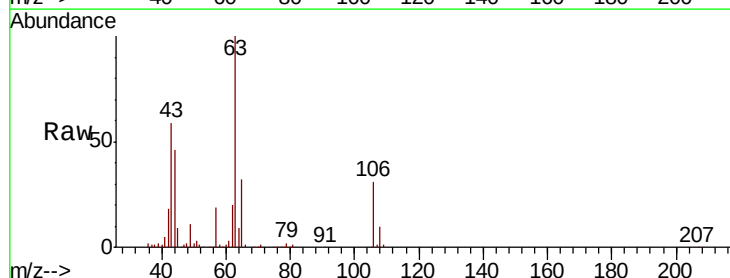
Manual Integrations
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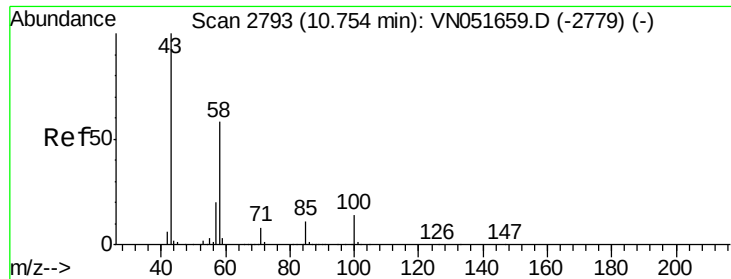
MMDadoda
 10/10/2018 11:48:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.198 ug/l
 RT: 9.70 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Tgt Ion: 63 Resp: 321538
 Ion Ratio Lower Upper
 63 100
 106 31.4 24.3 36.5





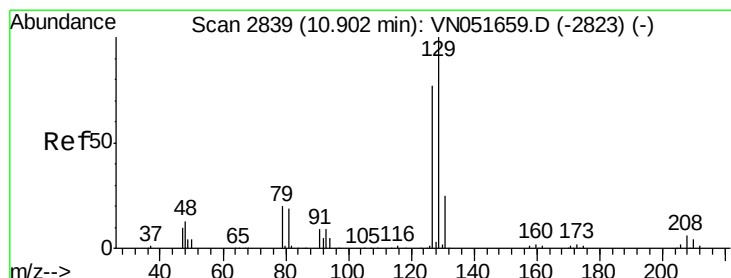
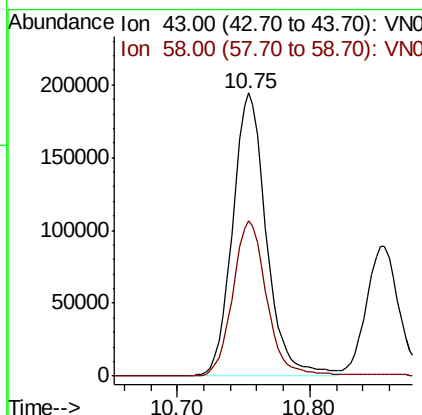
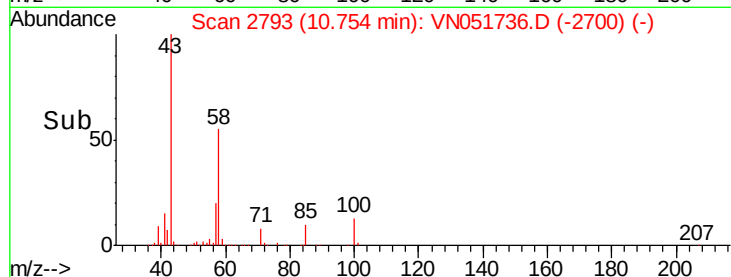
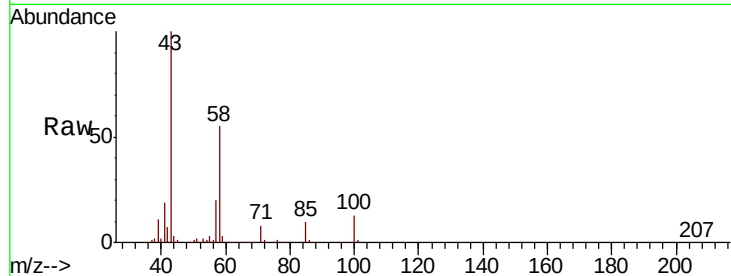
#59
2-Hexanone
Concen: 102.330 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion: 43 Resp: 341082
Ion Ratio Lower Upper
43 100
58 55.6 28.8 86.4

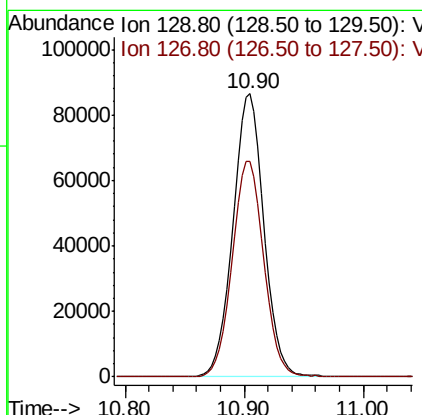
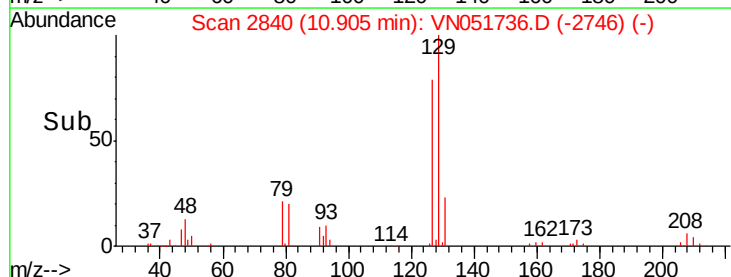
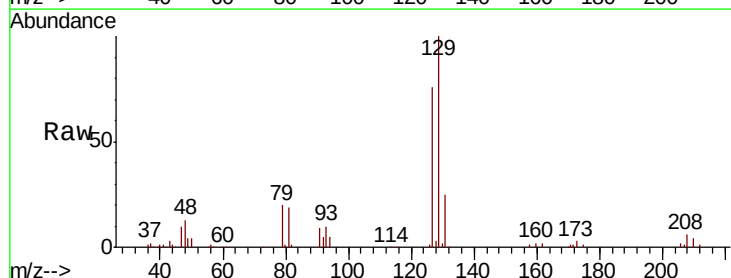
Manual Integrations
APPROVED

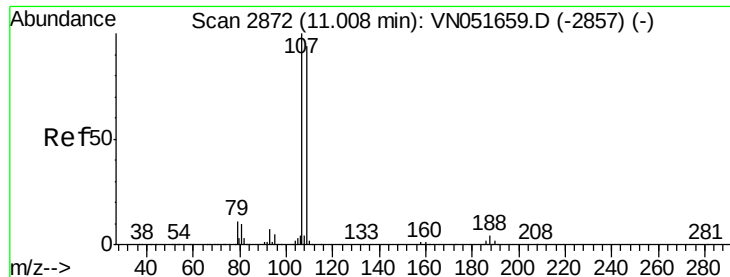
MMDadoda
10/10/2018 11:48:40 AM



#60
Dibromochloromethane
Concen: 19.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion: 129 Resp: 155558
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7





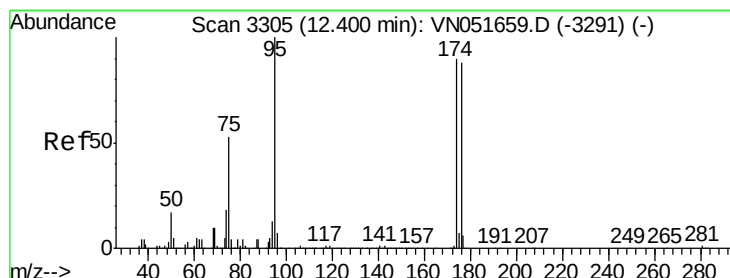
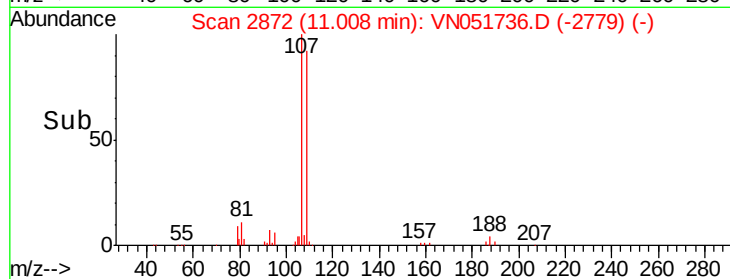
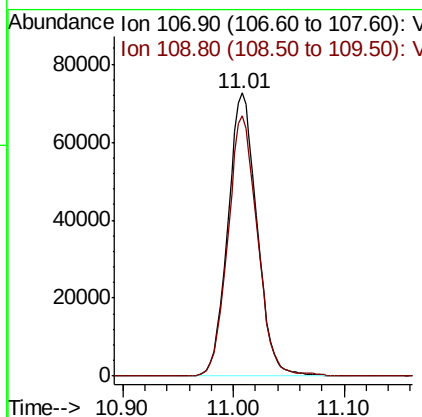
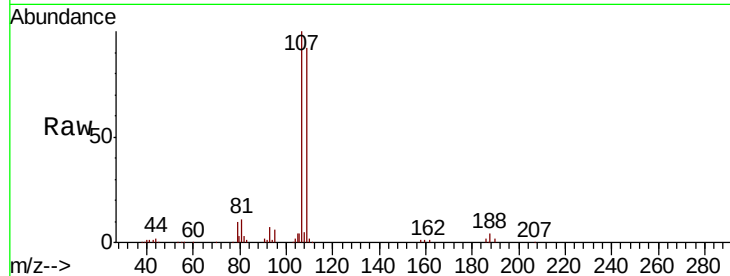
#61
 1,2-Dibromoethane
 Concen: 20.063 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.4	113.0

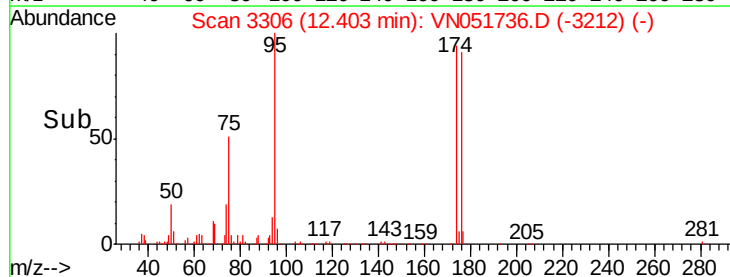
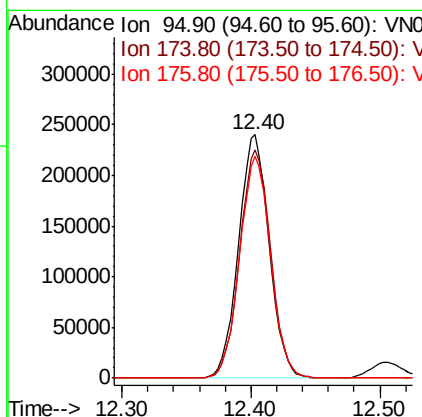
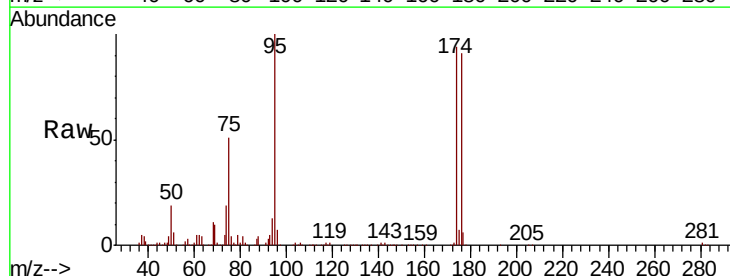
Manual Integrations
 APPROVED

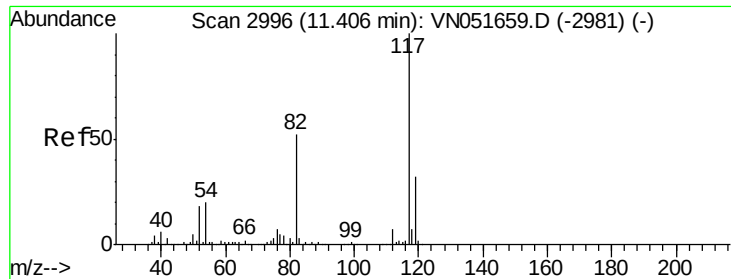
MMDadoda
 10/10/2018 11:48:40 AM



#62
 4-Bromofluorobenzene
 Concen: 20.063 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	182.8
176	91.8	0.0	176.4





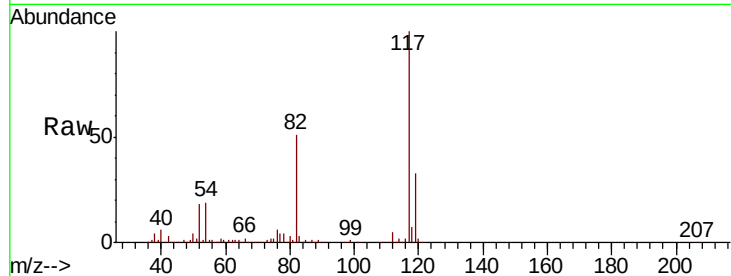
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	50.8	41.3	61.9
119	32.6	25.9	38.9

Manual Integrations
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MMDadoda
10/10/2018 11:48:40 AM

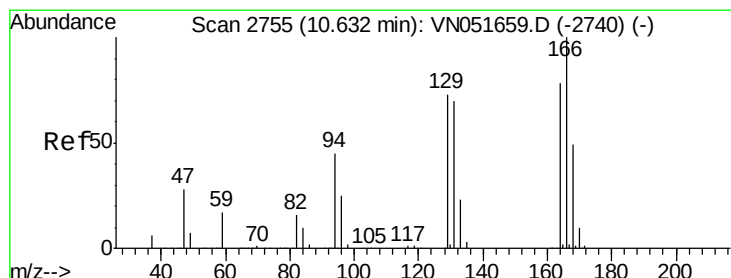
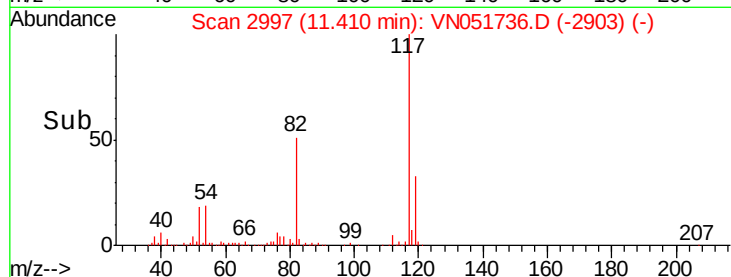
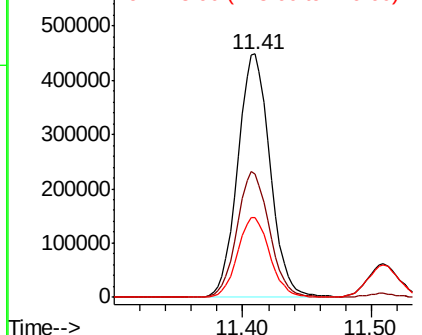


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.009 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	124.6	103.0	154.6
129	89.7	75.2	112.8
131	90.0	71.7	107.5

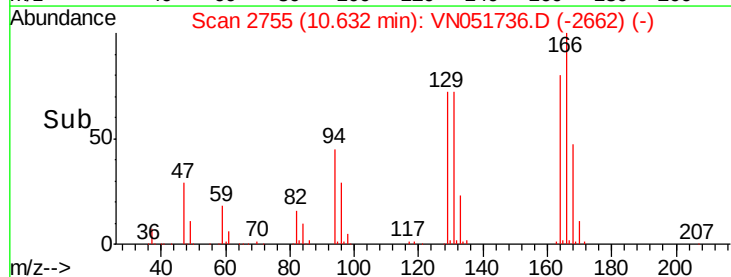
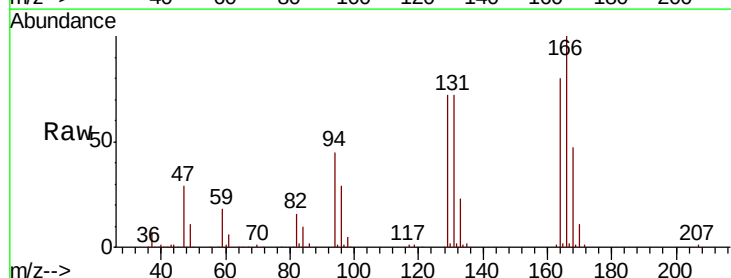
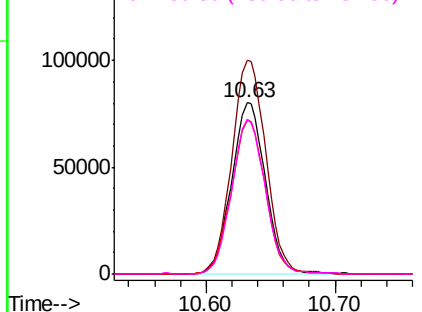
Abundance

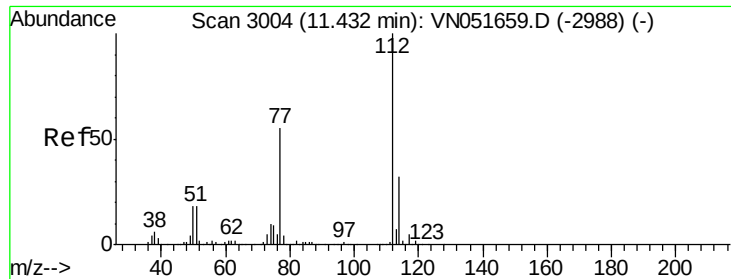
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





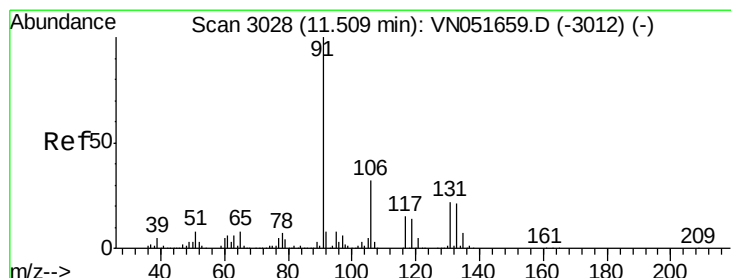
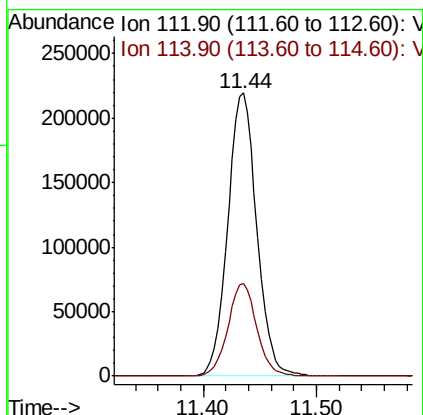
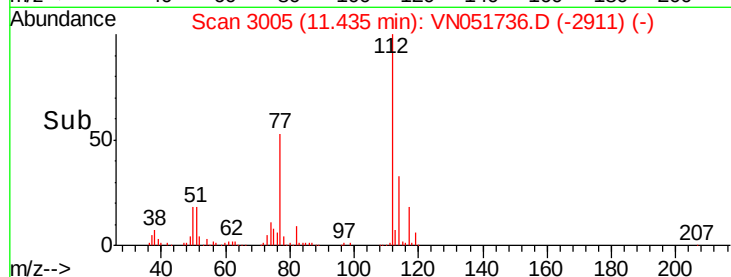
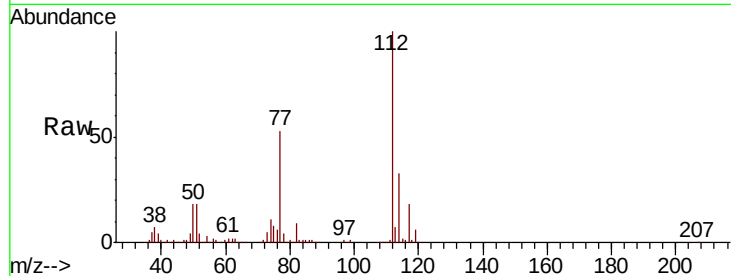
#65
Chlorobenzene
Concen: 20.132 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.9	38.9

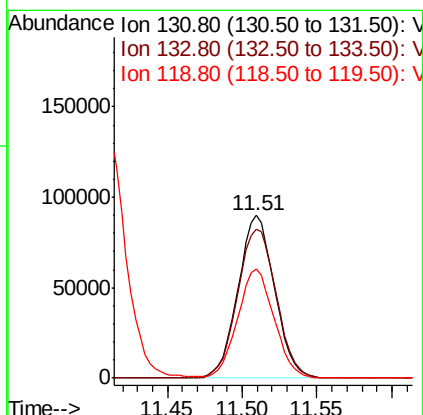
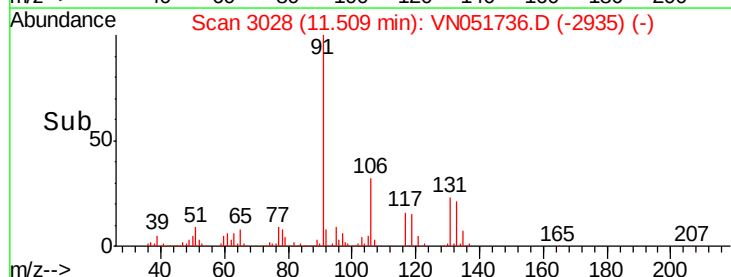
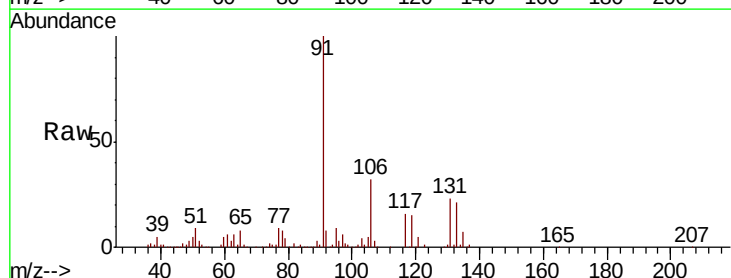
Manual Integrations
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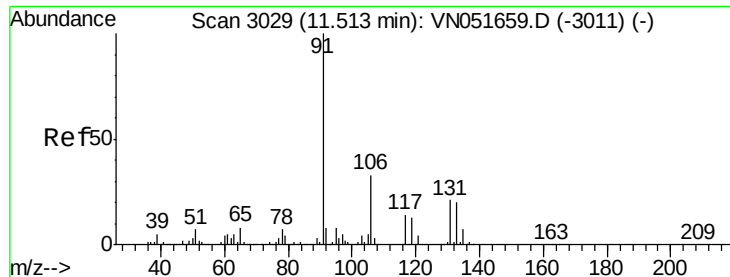
MMDadoda
10/10/2018 11:48:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.761 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.6	142.8
119	66.9	32.0	96.0





#67

Ethyl Benzene

Concen: 20.031 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 91 Resp: 671958

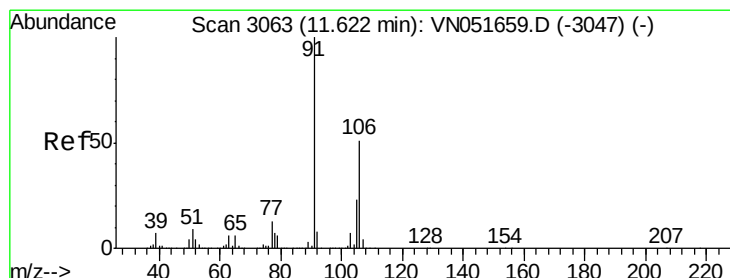
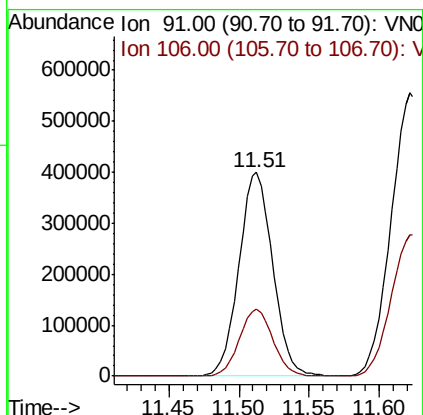
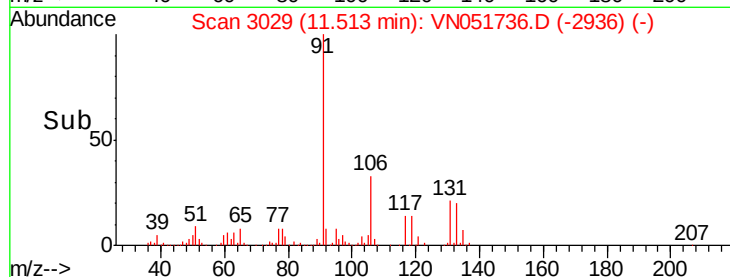
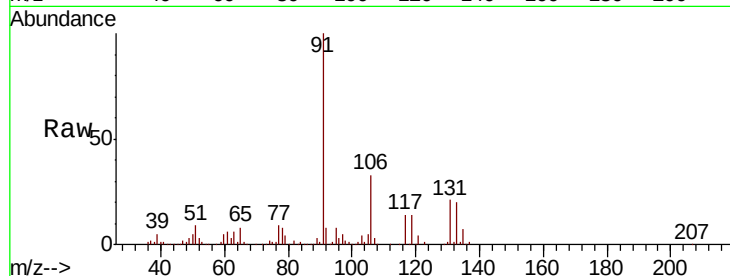
Ion Ratio Lower Upper

91 100

106 33.0 26.0 39.0

Manual Integrations
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MMDadoda
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#68

m/p-Xylenes

Concen: 40.112 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051736.D

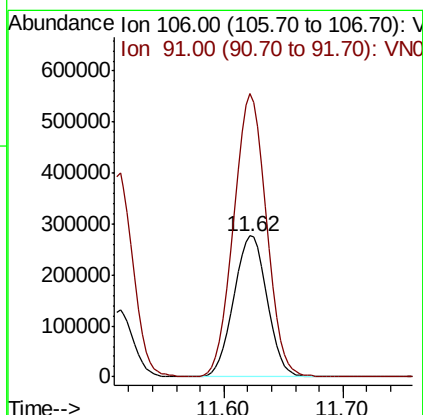
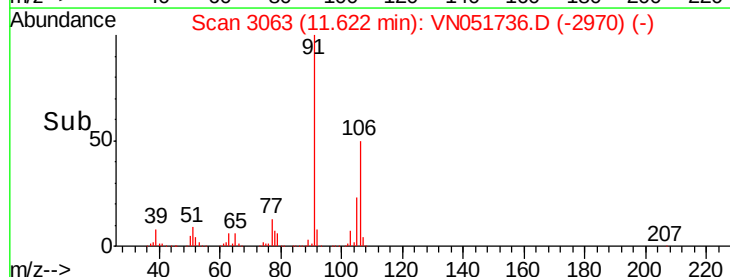
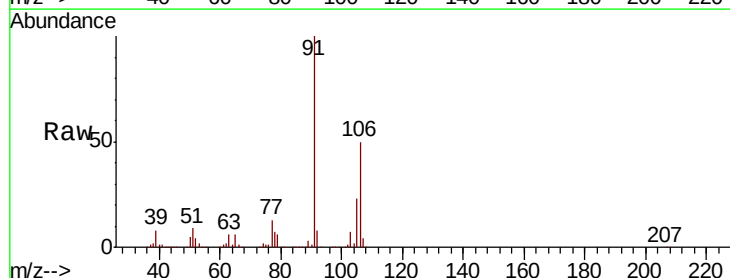
Acq: 8 Oct 2018 15:24

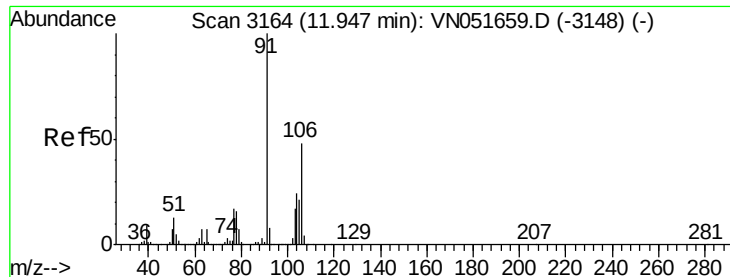
Tgt Ion: 106 Resp: 538401

Ion Ratio Lower Upper

106 100

91 196.8 158.4 237.6





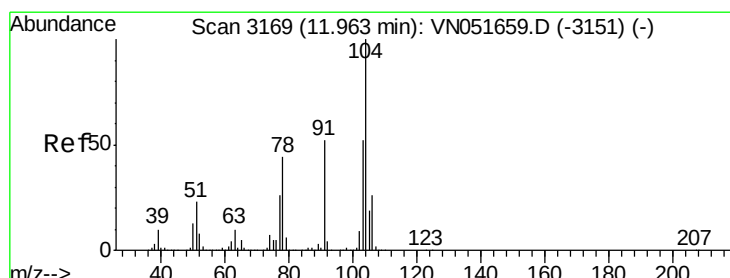
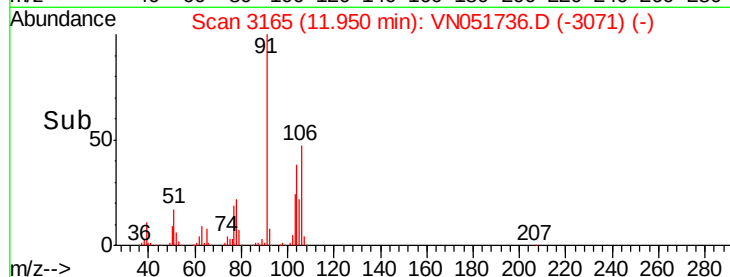
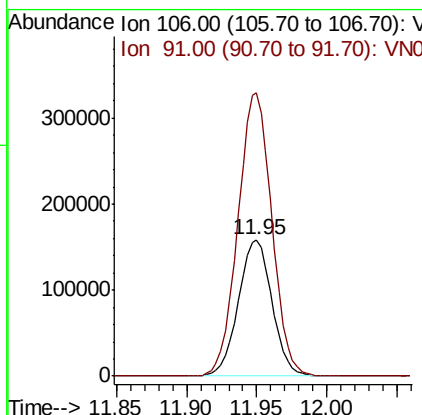
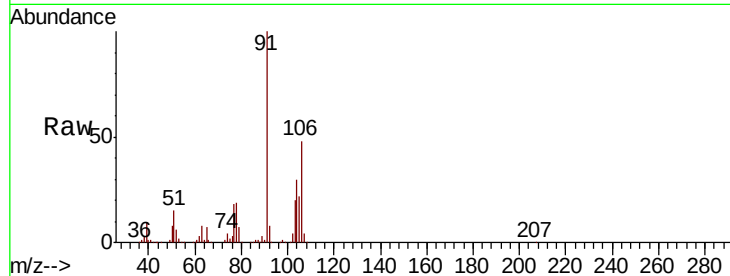
#69
o-Xylene
Concen: 20.100 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.3	104.4	313.2

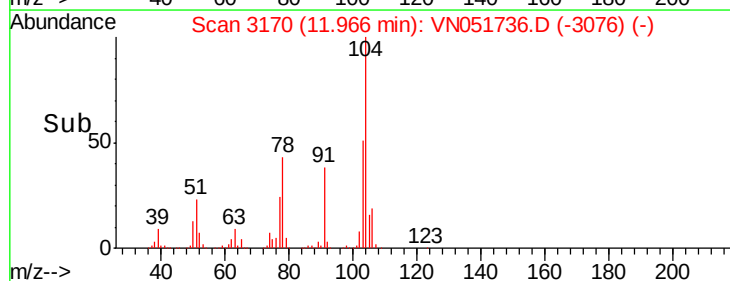
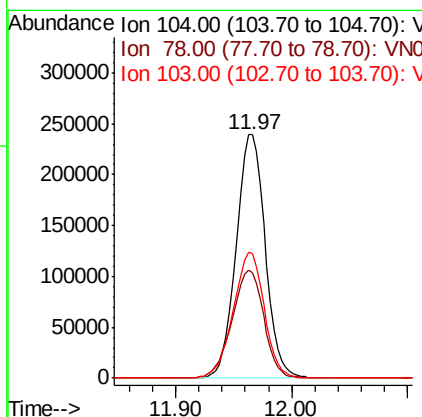
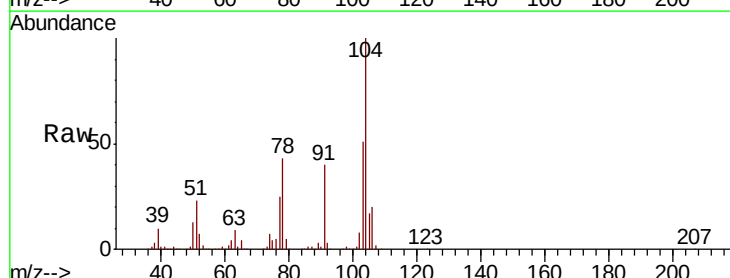
Manual Integrations
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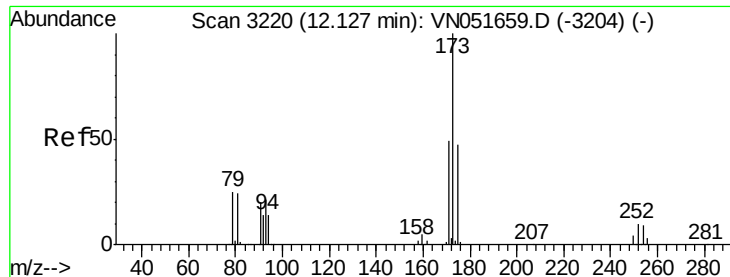
MMDadoda
10/10/2018 11:48:40 AM



#70
Styrene
Concen: 19.737 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.3	58.9
103	55.3	45.0	67.6





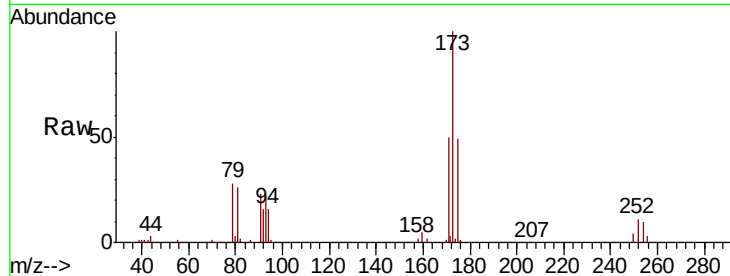
#71
Bromoform
Concen: 18.190 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.0	72.0
254	0.0	0.1	0.1#

Manual Integrations
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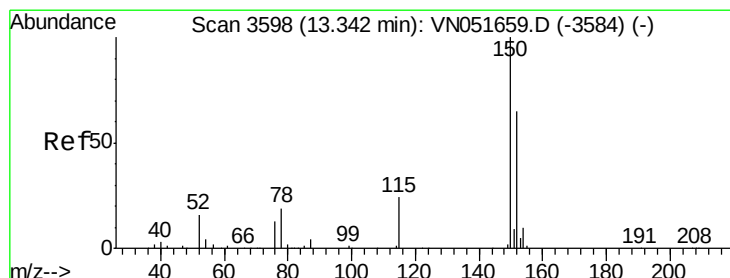
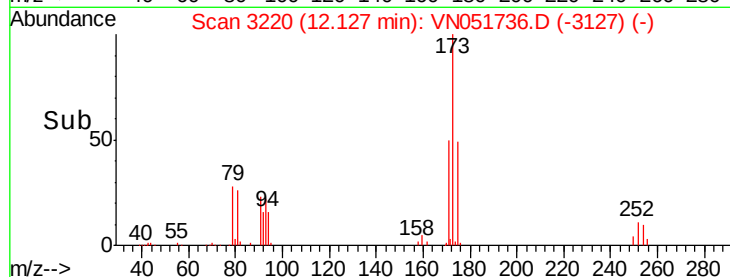
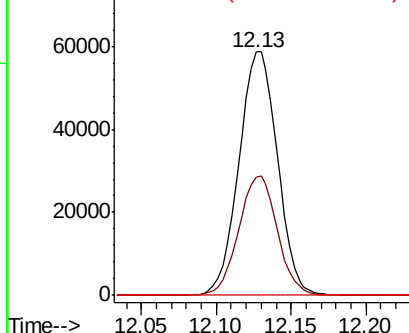


Abundance

Ion 172.70 (172.40 to 173.40): V

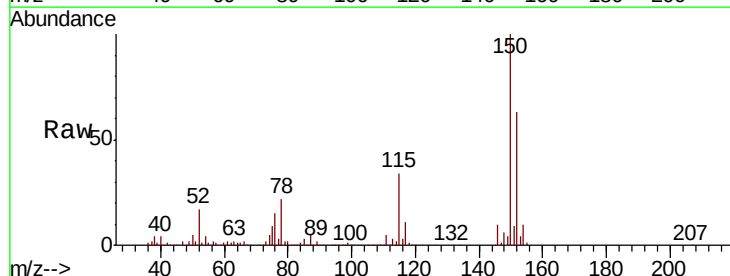
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.6	85.8
150	165.0	0.0	352.4

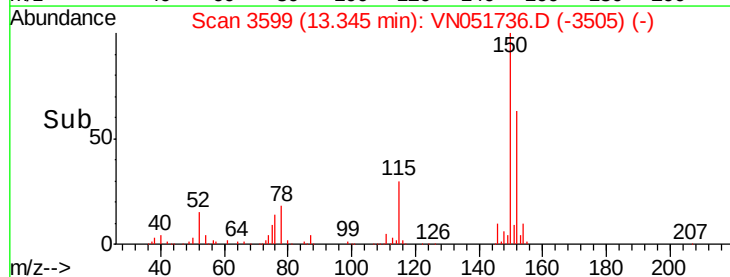
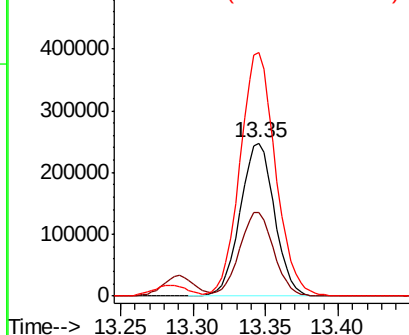


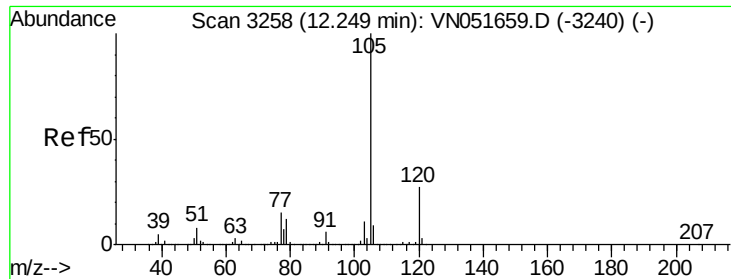
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





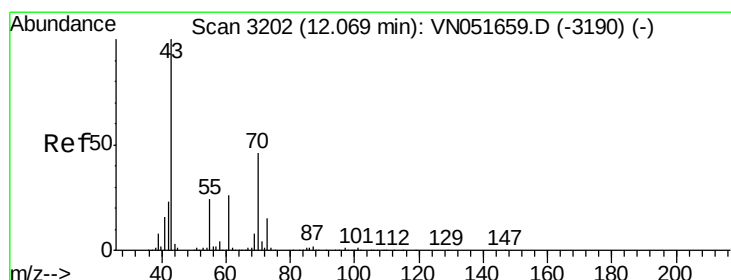
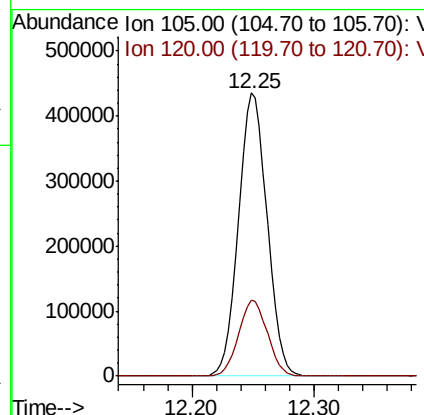
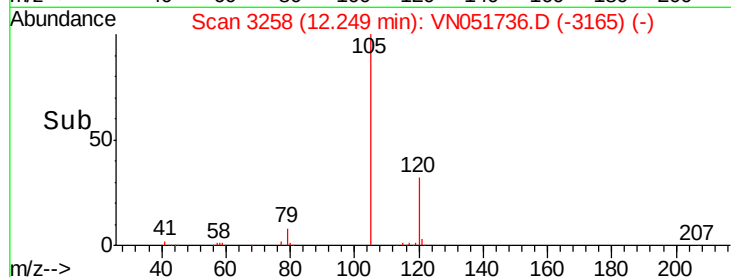
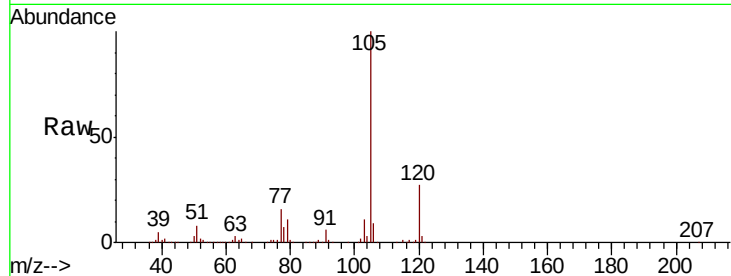
#73
Isopropylbenzene
Concen: 20.385 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.9	41.6

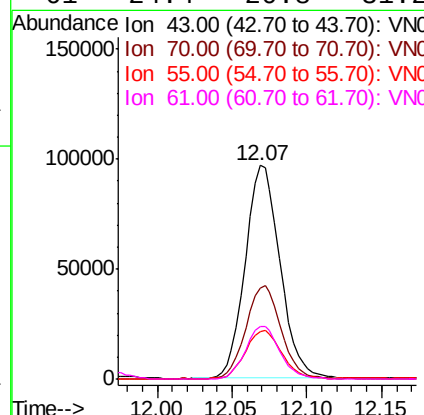
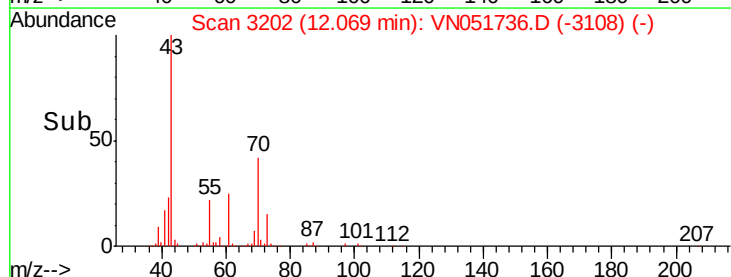
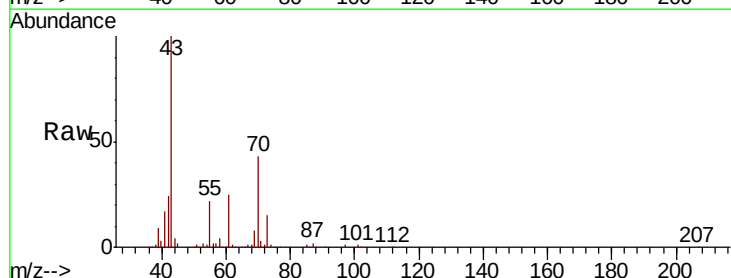
Manual Integrations
APPROVED

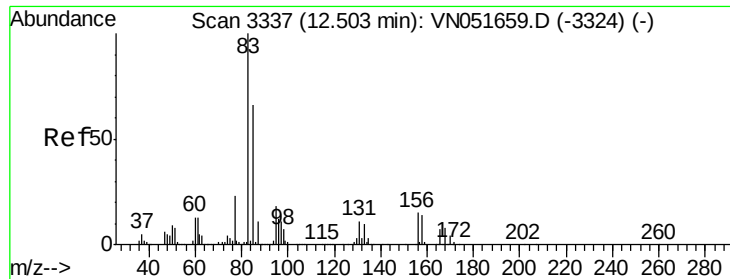
MMDadoda
10/10/2018 11:48:40 AM



#74
N-ethyl acetate
Concen: 19.977 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.2	37.1	55.7
55	23.2	19.1	28.7
61	24.4	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.554 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

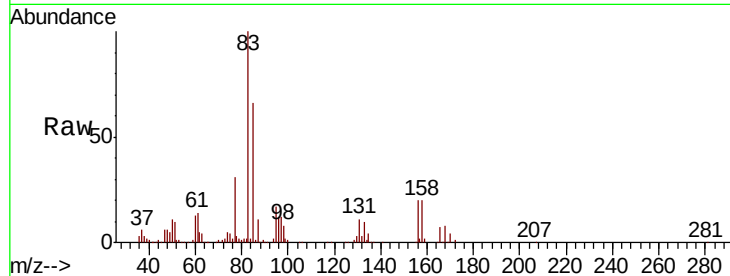
ClientSampleId :

VN1008WBSD01

Tot Ion:	83	Resp:	153374
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	64.6	33.0	98.9

Manual Integrations
APPROVED

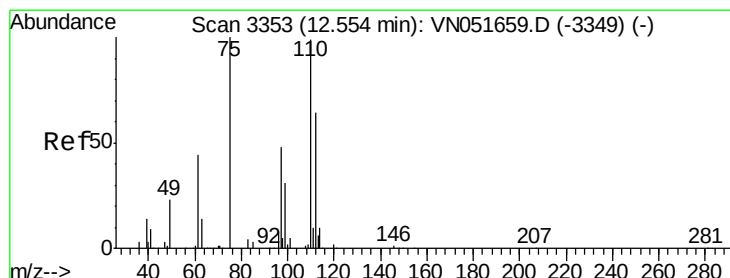
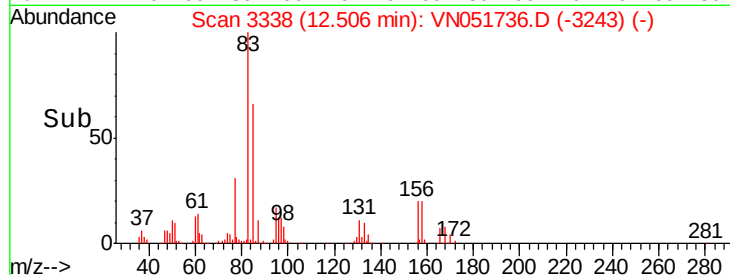
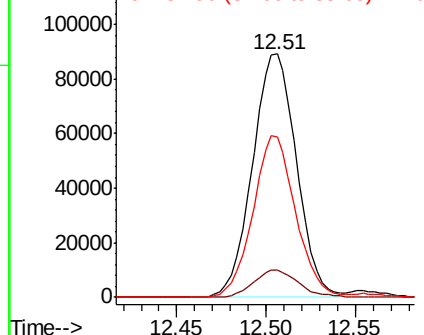
MMDadoda
10/10/2018 11:48:40 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051736.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN051736.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN051736.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 24.444 ug/l m

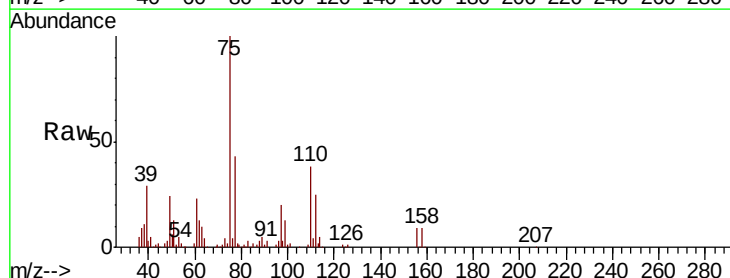
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051736.D

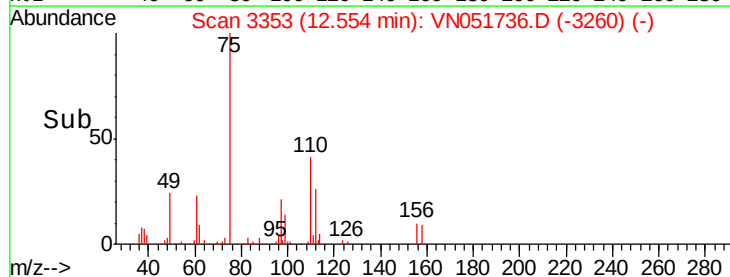
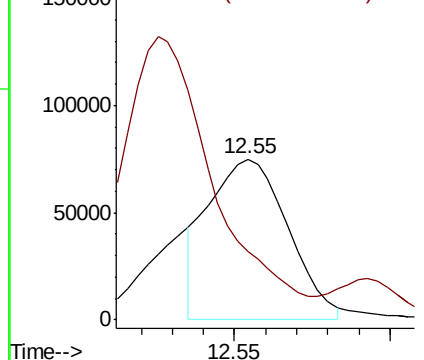
Acq: 8 Oct 2018 15:24

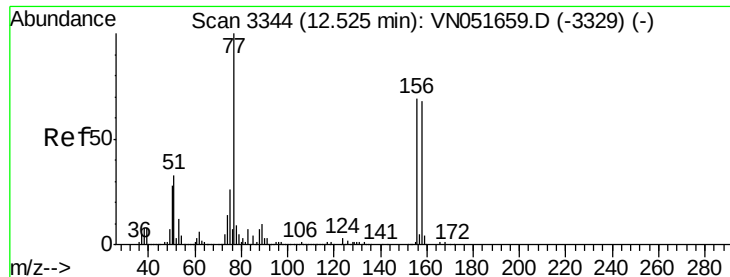
Tgt Ion:	75	Resp:	134026
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051736.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051736.D (-3353) (-)





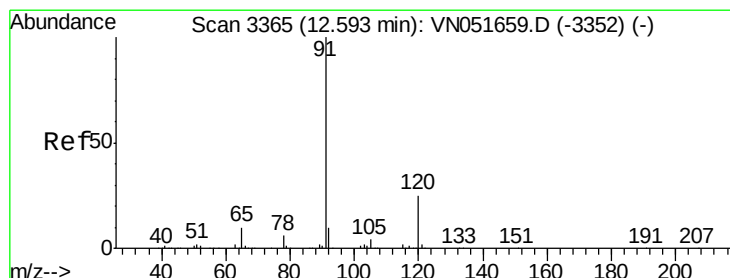
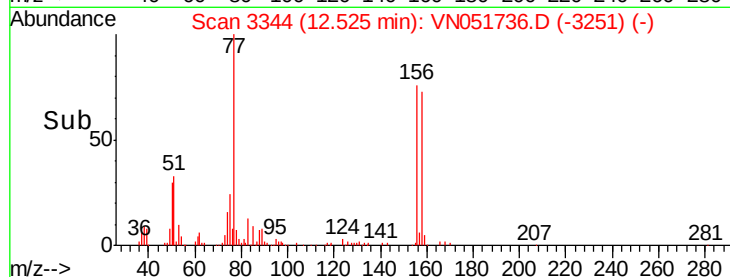
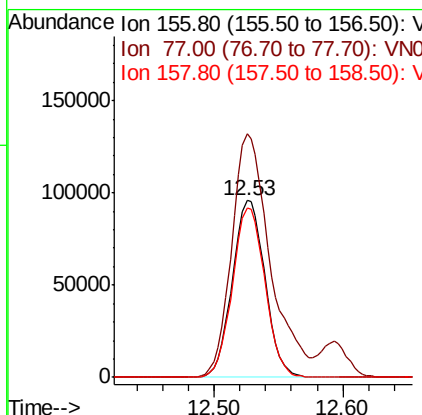
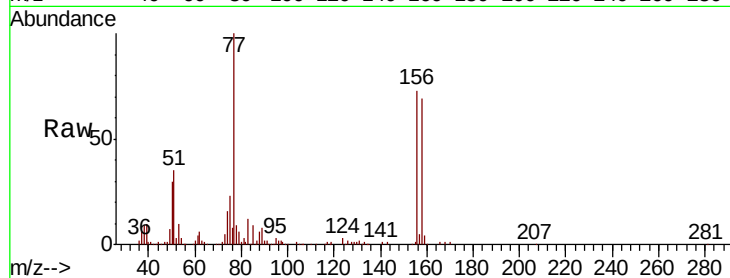
#77
Bromobenzene
Concen: 19.895 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.5	83.2	249.4
158	95.6	49.0	147.2

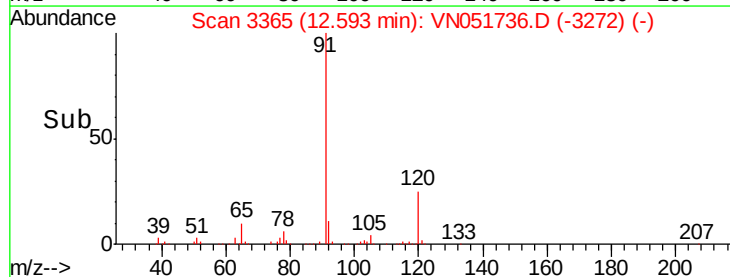
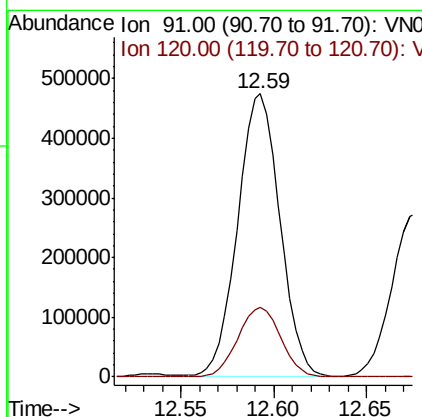
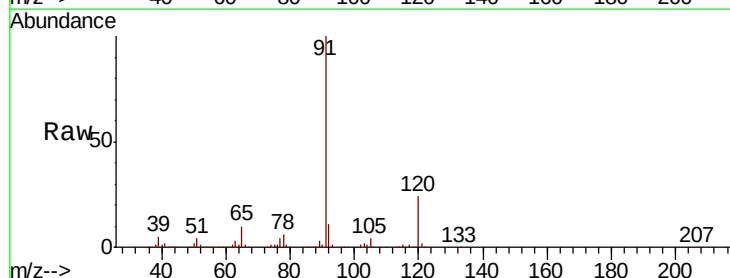
Manual Integrations
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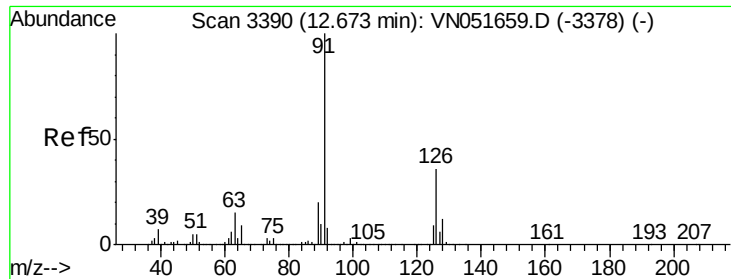
MMDadoda
10/10/2018 11:48:40 AM



#78
n-propylbenzene
Concen: 19.837 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.4	37.2





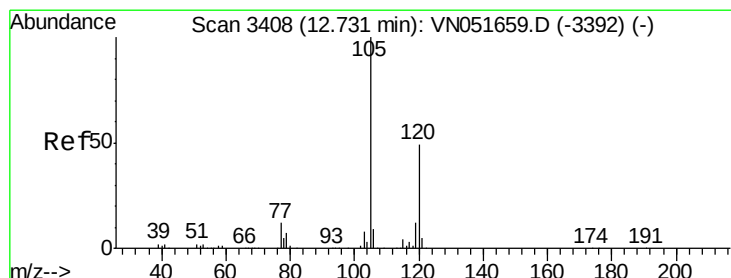
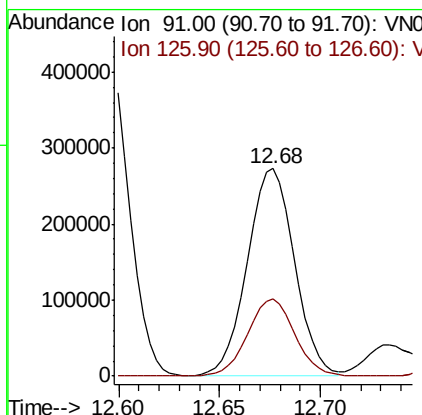
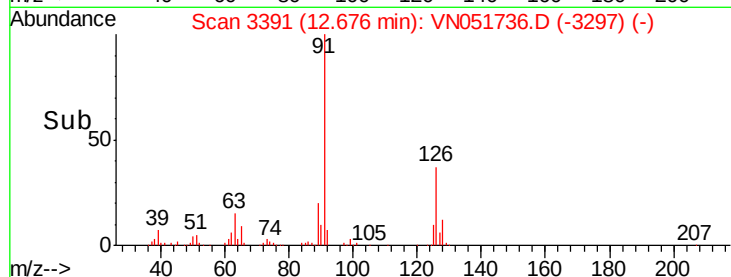
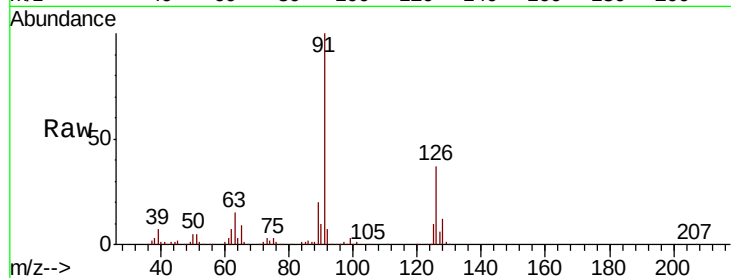
#79
 2-Chlorotoluene
 Concen: 20.005 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion: 91 Resp: 445514
 Ion Ratio Lower Upper
 91 100
 126 37.3 18.5 55.5

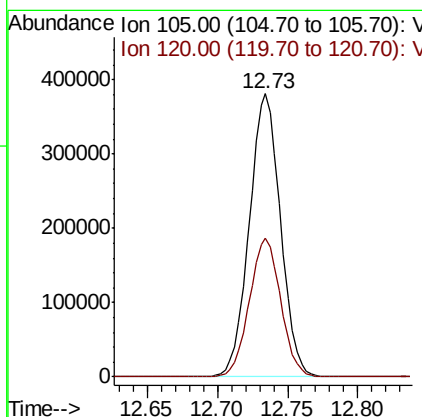
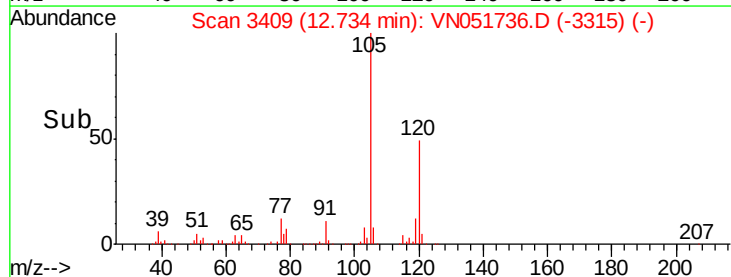
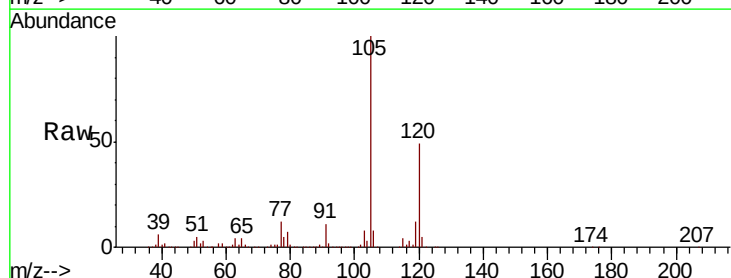
Manual Integrations
 APPROVED

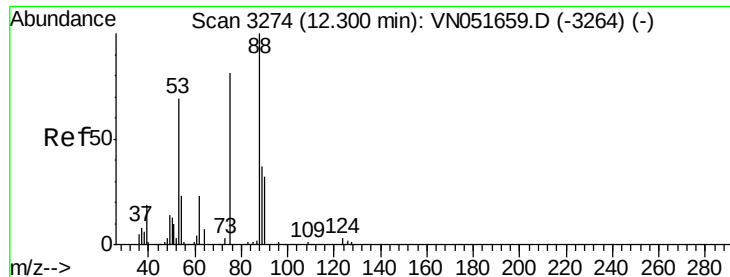
MMDadoda
 10/10/2018 11:48:40 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.233 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Tgt Ion: 105 Resp: 590728
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.924 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion: 75 Resp: 37417

Ion Ratio Lower Upper

75 100

53 102.6 68.6 102.8

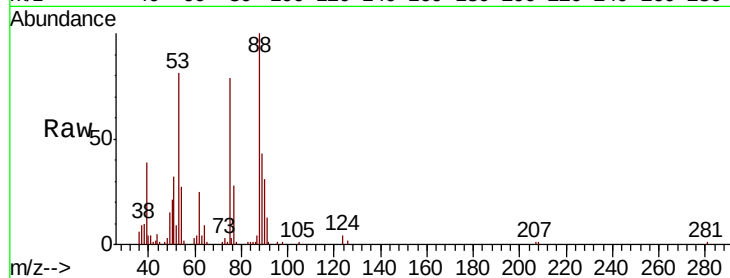
89 55.0 39.4 59.2

Manual Integrations

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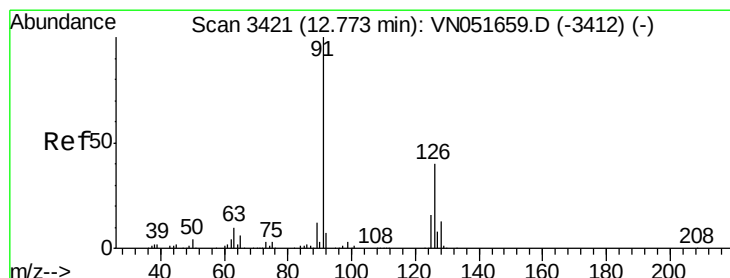
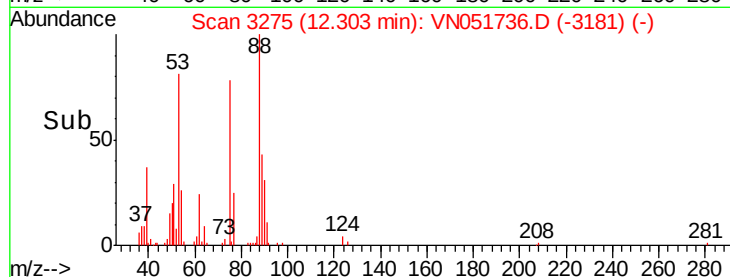
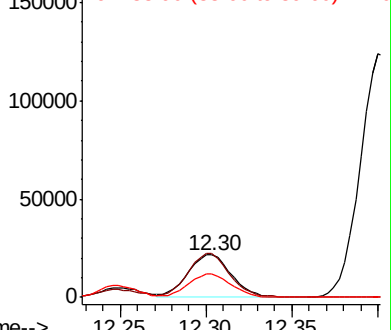
10/10/2018 11:48:40 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.652 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051736.D

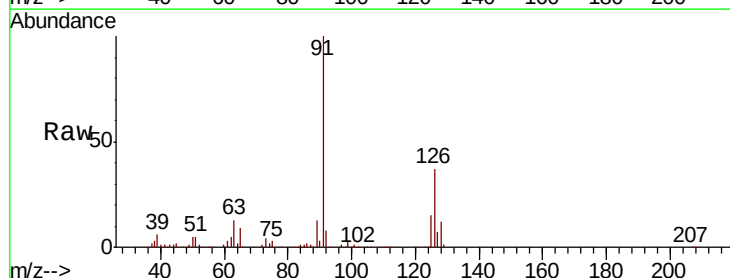
Acq: 8 Oct 2018 15:24

Tgt Ion: 91 Resp: 439652

Ion Ratio Lower Upper

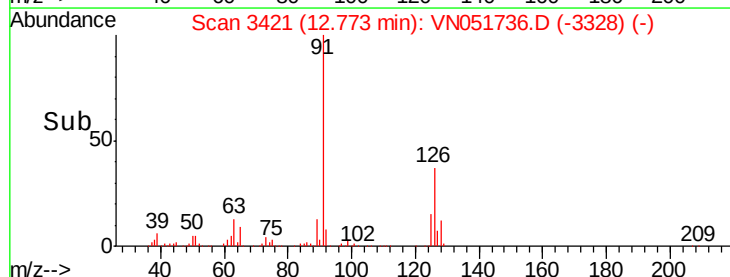
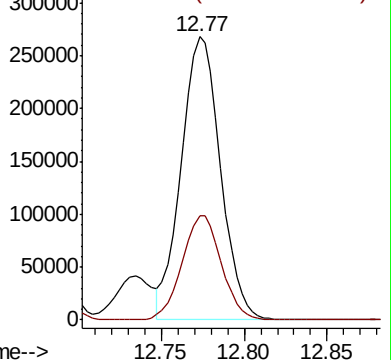
91 100

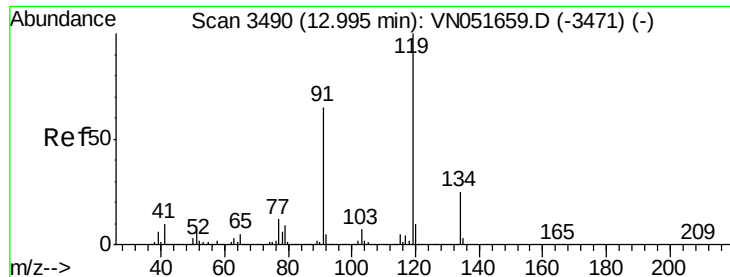
126 37.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





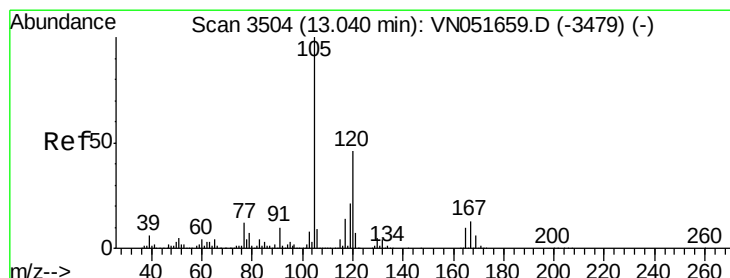
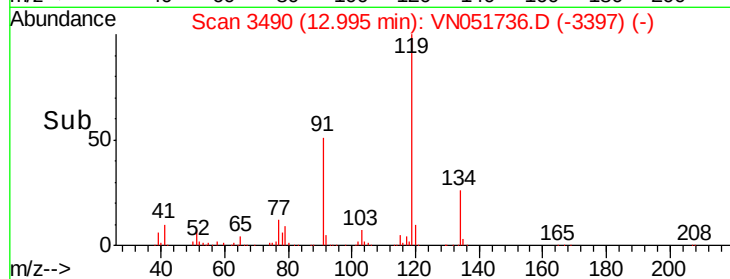
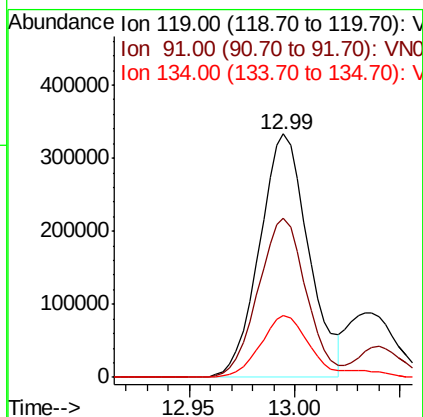
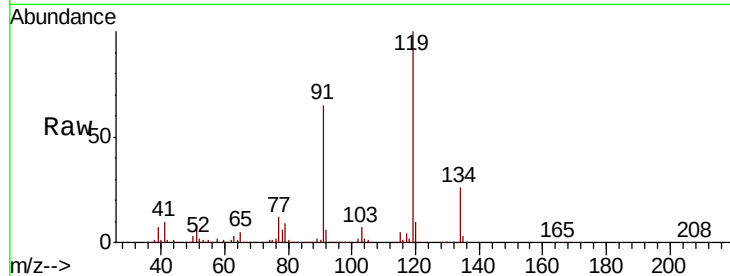
#83
 tert-Butylbenzene
 Concen: 20.598 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	538852		
91	64.3		32.1	96.5
134	27.1		13.3	39.9

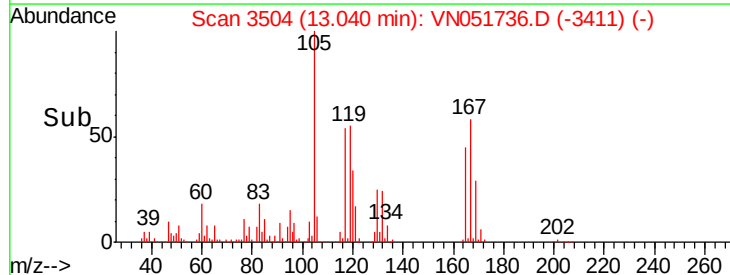
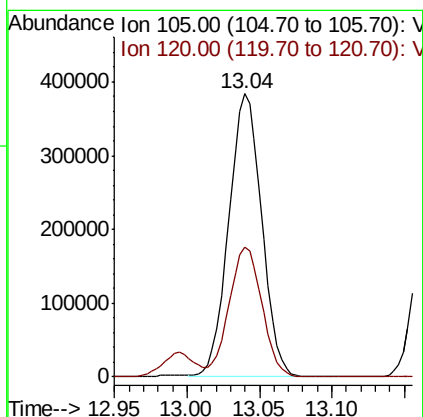
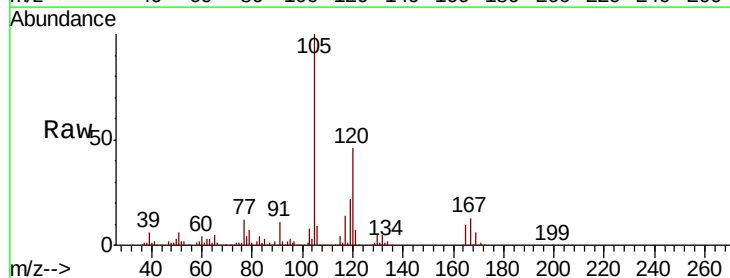
Manual Integrations
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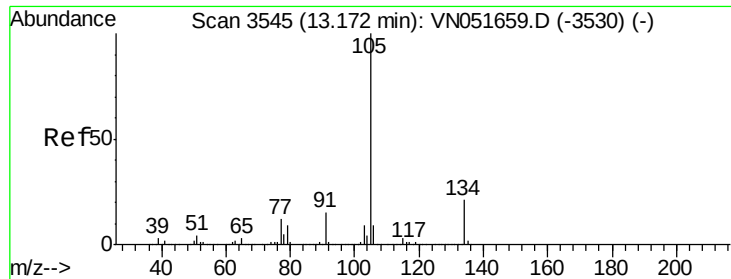
MMDadoda
 10/10/2018 11:48:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.603 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	602507		
120	46.1		22.9	68.7





#85

sec-Butylbenzene

Concen: 20.371 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBSD01

Tot Ion:105 Resp: 704918

Ion Ratio Lower Upper

105 100

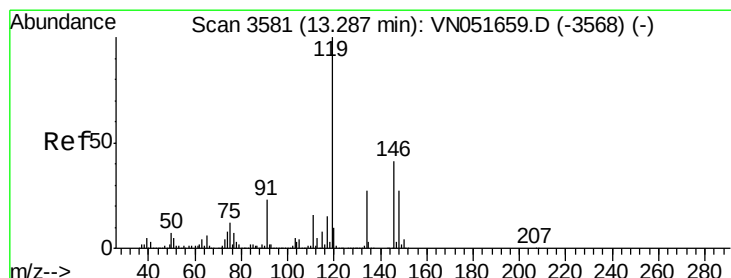
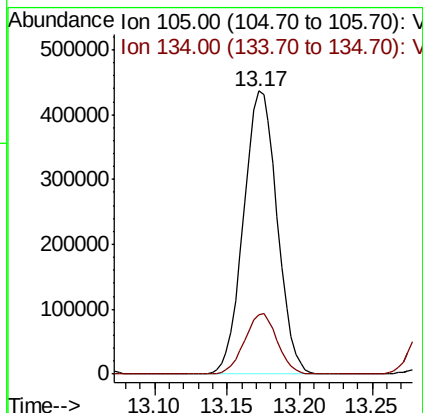
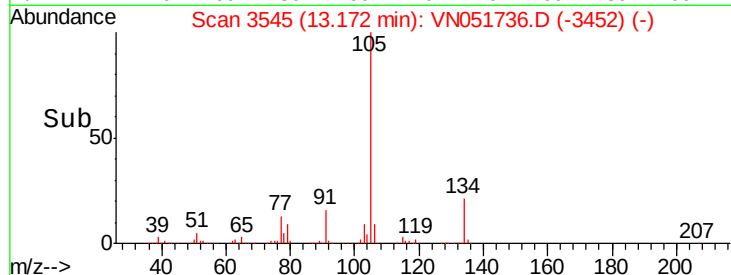
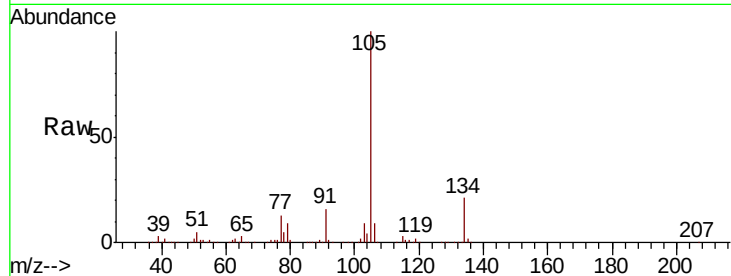
134 20.8 10.5 31.6

Manual Integrations

APPROVED

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10/10/2018 11:48:40 AM



#86

p-Isopropyltoluene

Concen: 20.676 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051736.D

Acq: 8 Oct 2018 15:24

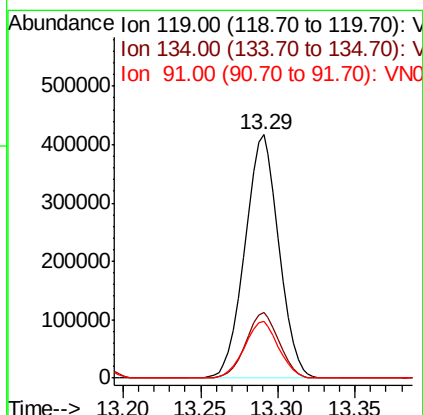
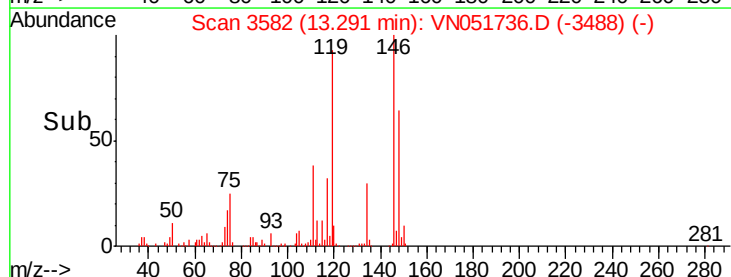
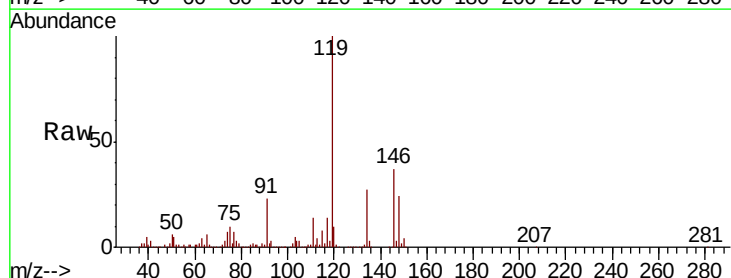
Tgt Ion:119 Resp: 634301

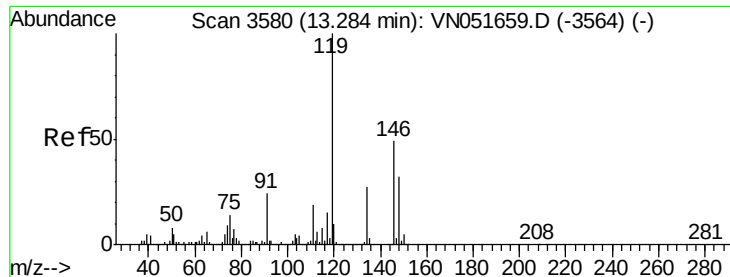
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 23.3 11.7 35.1





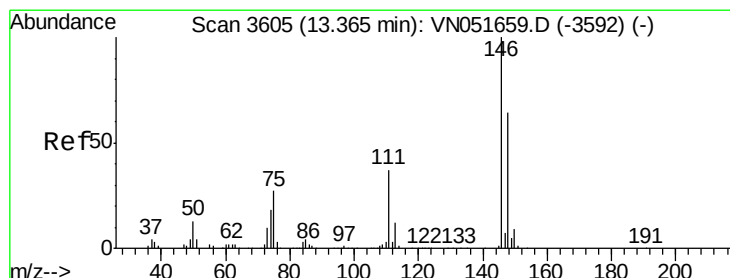
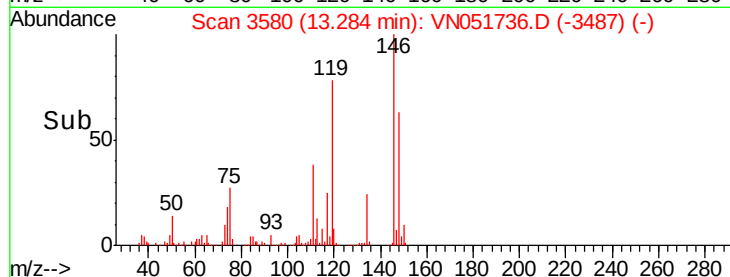
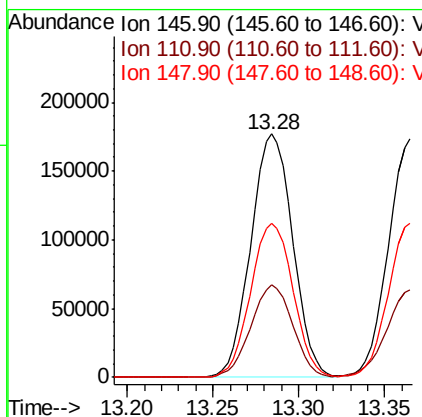
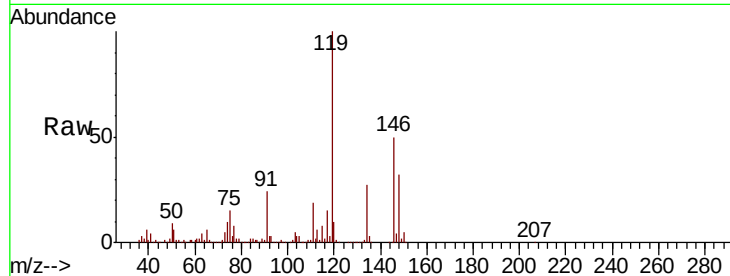
#87
 1,3-Dichlorobenzene
 Concen: 20.294 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.3	57.9
148	64.0	32.5	97.5

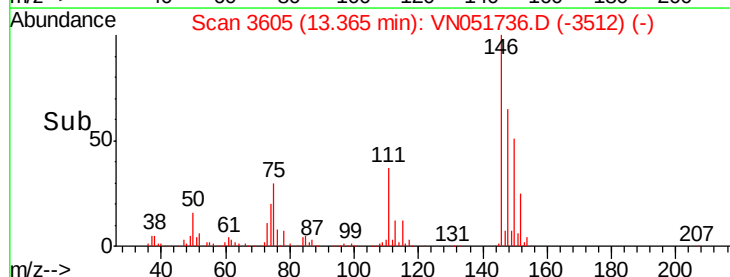
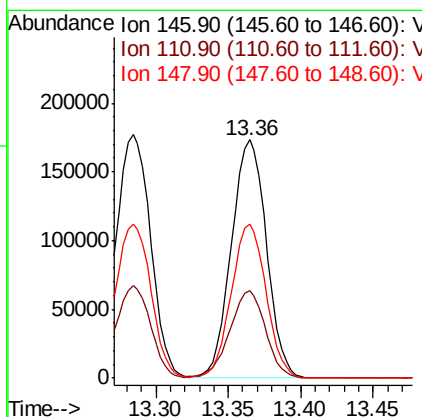
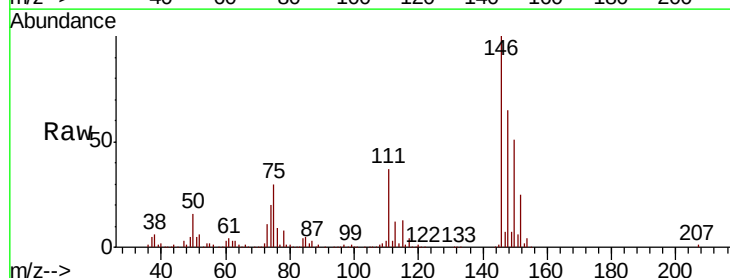
Manual Integrations
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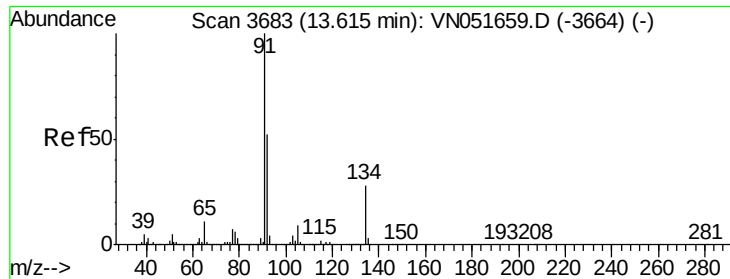
MMDadoda
 10/10/2018 11:48:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.047 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	64.0	32.3	96.8





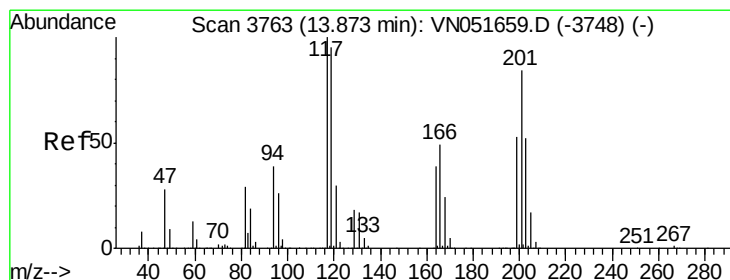
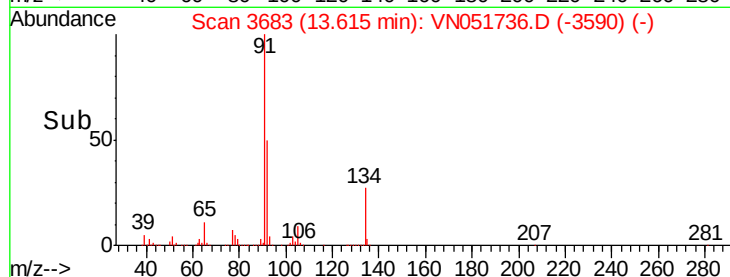
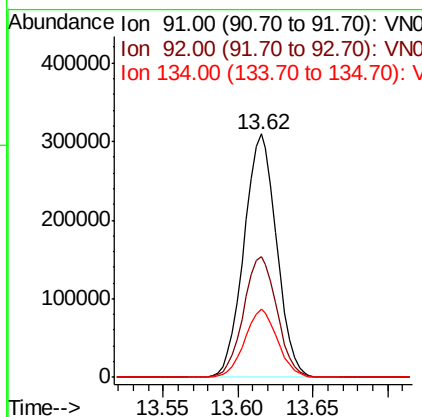
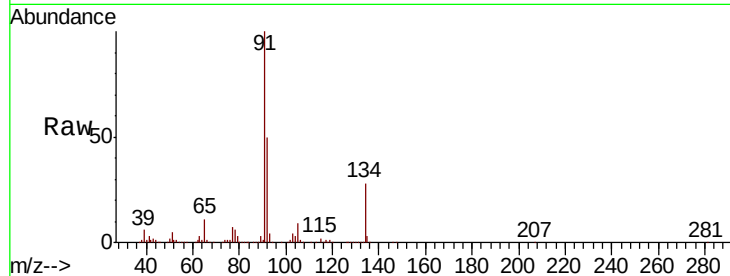
#89
n-Butylbenzene
Concen: 19.368 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.0	78.0
134	28.0	14.2	42.6

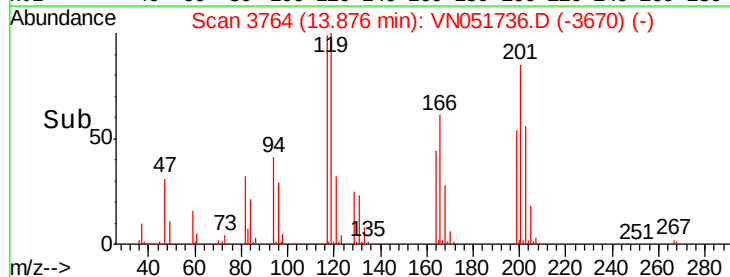
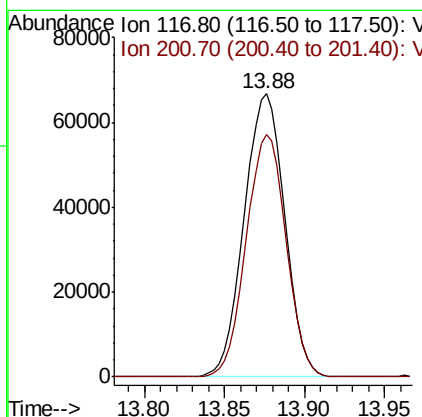
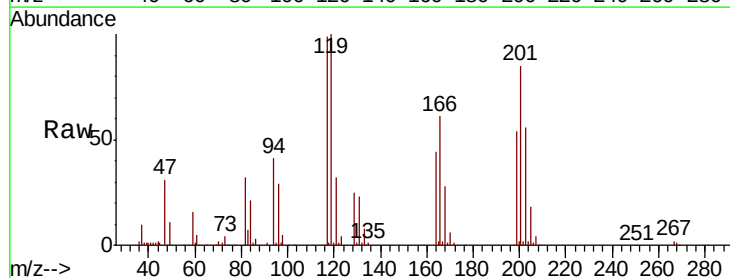
Manual Integrations
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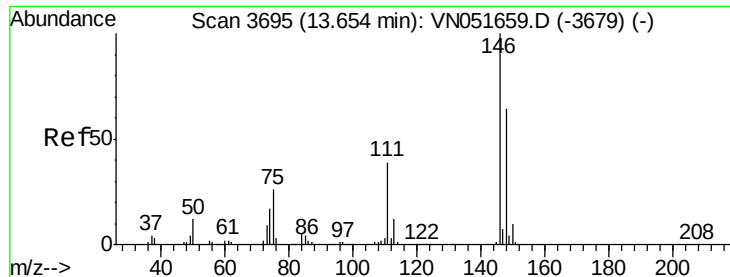
MMDadoda
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#90
Hexachloroethane
Concen: 18.909 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.4	127.3





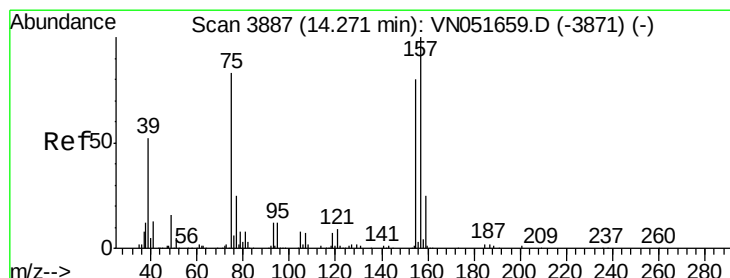
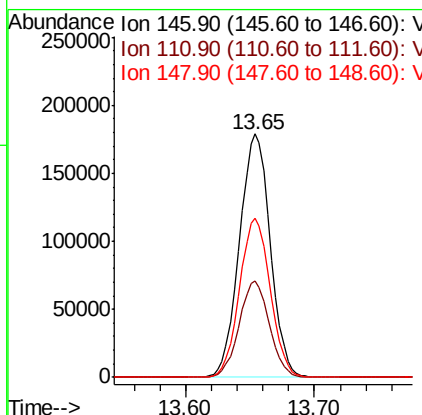
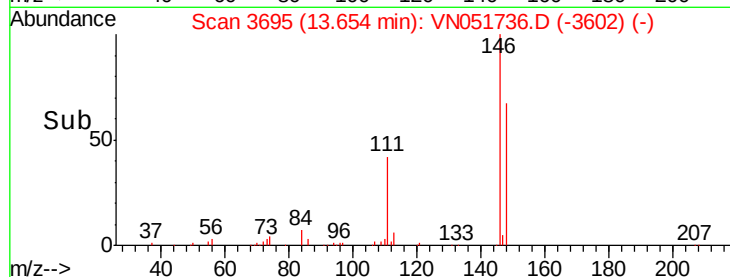
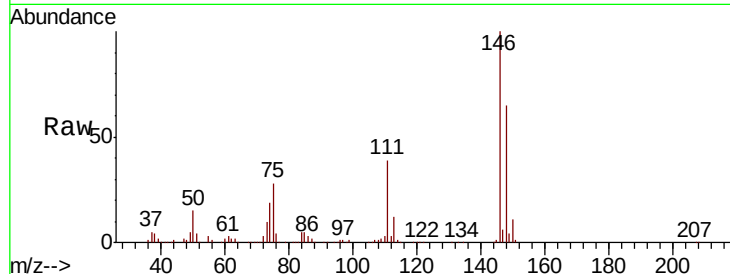
#91
 1,2-Dichlorobenzene
 Concen: 20.265 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	65.3	32.1	96.3

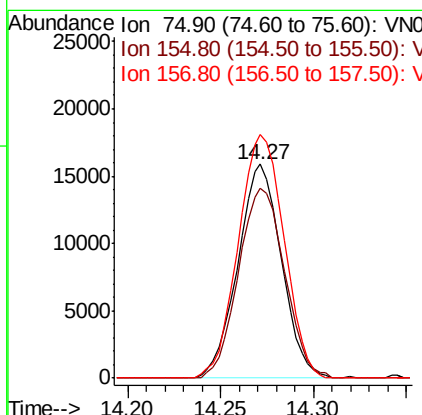
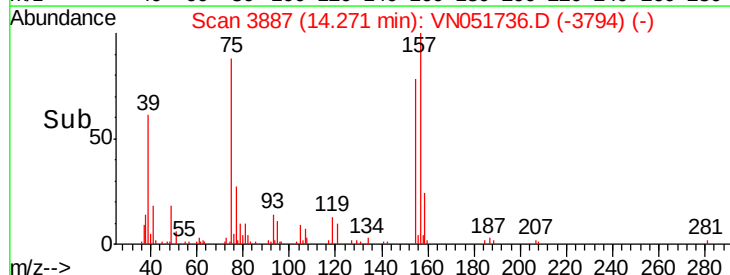
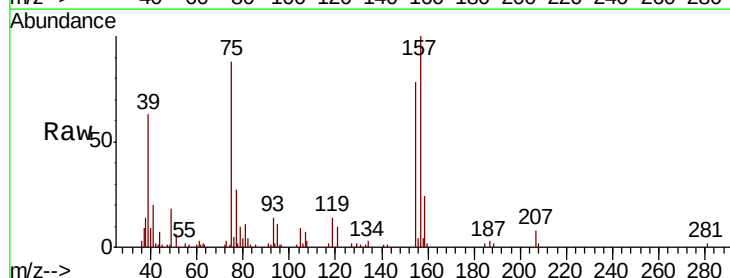
Manual Integrations
 APPROVED

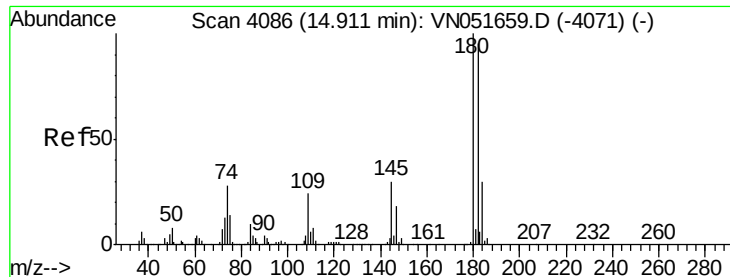
MMDadoda
 10/10/2018 11:48:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.286 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051736.D
 Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	47.6	142.9
157	119.8	61.7	185.1





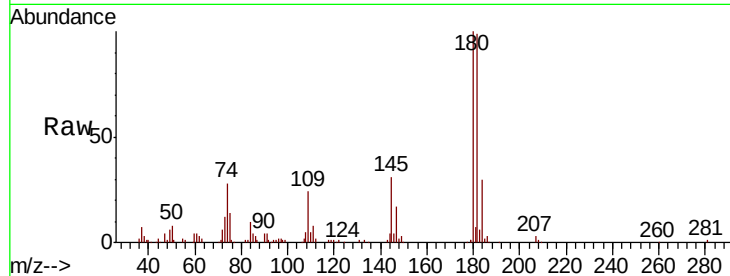
#93
1,2,4-Trichlorobenzene
Concen: 18.424 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.7	143.1
145	30.1	15.3	45.9

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:40 AM

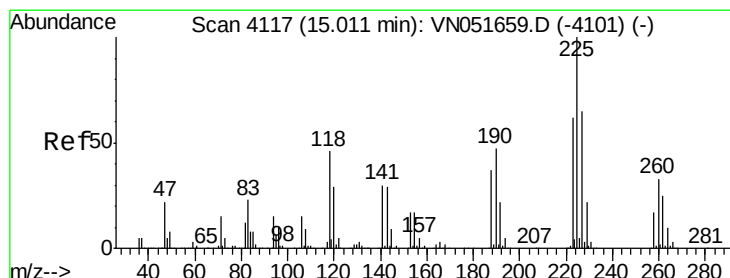
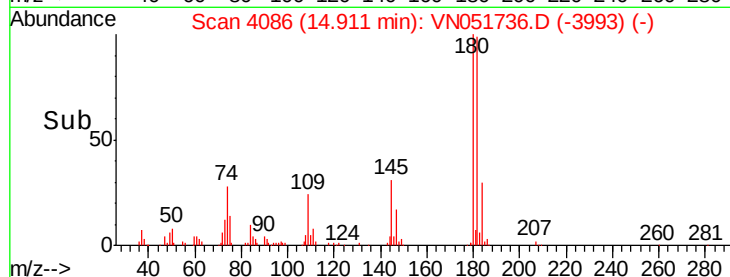
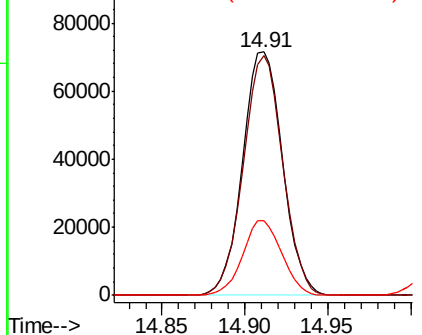


Abundance

Ion 179.80 (179.50 to 180.50): V

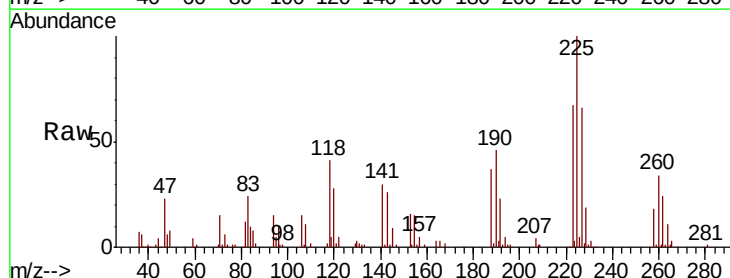
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 19.736 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.9	95.5
227	66.4	31.7	95.1

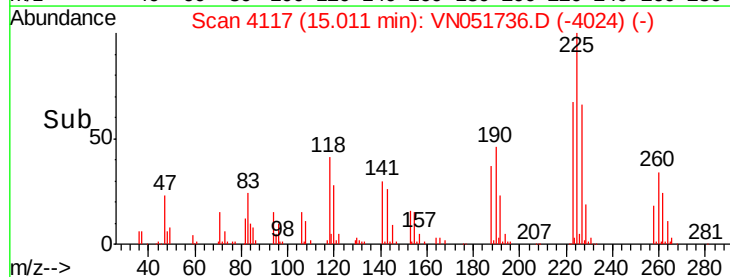
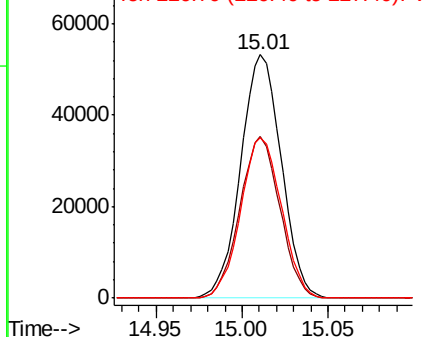


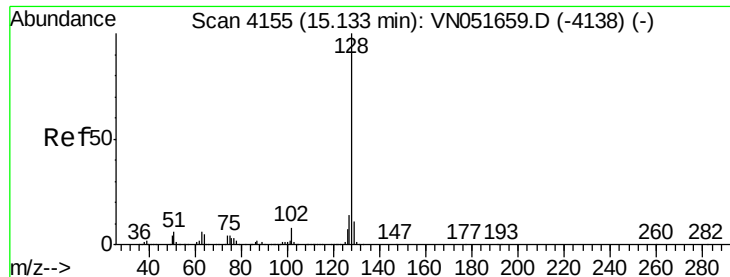
Abundance

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





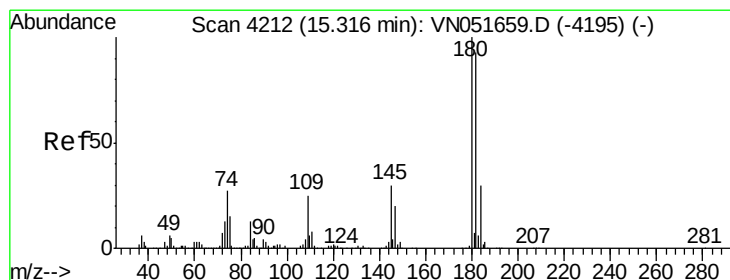
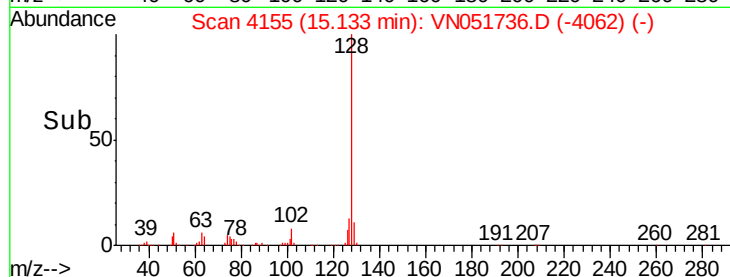
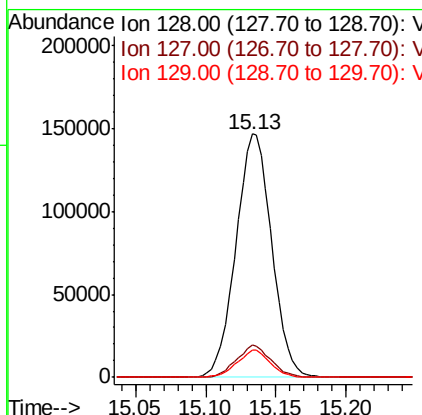
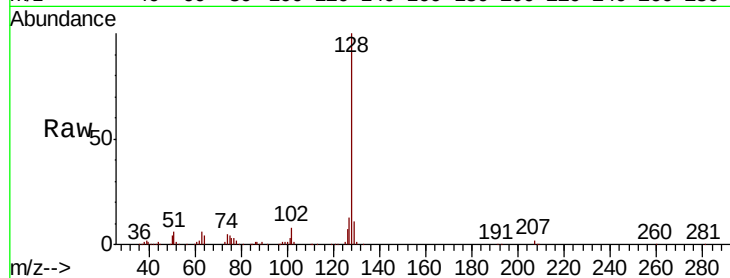
#95
Naphthalene
Concen: 18.468 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	10.3	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.558 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051736.D
Acq: 8 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	141.8
145	30.6	15.6	46.8

