

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110818\
 Data File : VN052218.D
 Acq On : 8 Nov 2018 12:35
 Operator : MD\SY
 Sample : VN1108WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:49:09 AM

Quant Time: Nov 08 13:08:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	359721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	623869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	239629	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	222942	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	7.59	113	199716	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.09	98	755746	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	242222	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	65128	20.763	ug/l	88
3) Chloromethane	2.06	50	86022	20.318	ug/l	95
4) Vinyl Chloride	2.19	62	83834	20.674	ug/l	97
5) Bromomethane	2.58	94	55824	18.415	ug/l	94
6) Chloroethane	2.71	64	53372	20.585	ug/l	97
7) Trichlorofluoromethane	3.03	101	119518	20.290	ug/l	94
8) Diethyl Ether	3.41	74	39762	19.322	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.77	101	73440	20.864	ug/l	96
10) Methyl Iodide	3.96	142	99995	20.121	ug/l	99
11) Tert butyl alcohol	4.78	59	20914	112.787	ug/l	99
12) 1,1-Dichloroethene	3.74	96	65474	19.758	ug/l	99
13) Acrolein	3.61	56	13661	95.868	ug/l	98
14) Allyl chloride	4.33	41	108056	19.537	ug/l	94
15) Acrylonitrile	4.99	53	125931	103.737	ug/l	99
16) Acetone	3.82	43	98690	102.121	ug/l	98
17) Carbon Disulfide	4.06	76	175961	18.607	ug/l	95
18) Methyl Acetate	4.33	43	60312	19.639	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	187388	20.547	ug/l	99
20) Methylene Chloride	4.55	84	78095	19.448	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	73993	20.140	ug/l	97
22) Diisopropyl ether	5.95	45	249101	20.531	ug/l	98
23) Vinyl Acetate	5.90	43	836026	104.244	ug/l	100
24) 1,1-Dichloroethane	5.85	63	145791	21.150	ug/l	99
25) 2-Butanone	6.84	43	151540	101.125	ug/l	96
26) 2,2-Dichloropropane	6.82	77	112031	20.766	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	87451	20.918	ug/l	97
28) Bromochloromethane	7.20	49	68887	21.122	ug/l	99
29) Tetrahydrofuran	7.21	42	94623	102.054	ug/l	99
30) Chloroform	7.37	83	146297	21.298	ug/l	98
31) Cyclohexane	7.66	56	129397	19.071	ug/l #	94
32) 1,1,1-Trichloroethane	7.57	97	121636	20.101	ug/l	98
36) 1,1-Dichloropropene	7.79	75	106184	19.240	ug/l	97
37) Ethyl Acetate	6.93	43	69121	20.293	ug/l #	91
38) Carbon Tetrachloride	7.78	117	106246	19.256	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124830	19.098	ug/l	98
40) Benzene	8.04	78	330950	20.399	ug/l	100
41) Methacrylonitrile	7.17	41	29827m	16.604	ug/l	
42) 1,2-Dichloroethane	8.13	62	105000	20.132	ug/l	100
43) Isopropyl Acetate	8.16	43	125632	19.951	ug/l	98
44) Trichloroethene	8.84	130	86141	20.054	ug/l	99
45) 1,2-Dichloropropane	9.12	63	88390	20.572	ug/l	99
46) Dibromomethane	9.21	93	52376	19.168	ug/l	96
47) Bromodichloromethane	9.40	83	104457	19.601	ug/l	97
48) Methyl methacrylate	9.20	41	61054	20.145	ug/l	95
49) 1,4-Dioxane	9.20	88	12228	466.385	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	338286	101.685	ug/l	99
52) Toluene	10.16	92	197476	20.185	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	103437	19.786	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	123365	20.166	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	70528	20.447	ug/l	97
56) Ethyl methacrylate	10.43	69	85810	19.085	ug/l	100
57) 1,3-Dichloropropane	10.71	76	123138	20.264	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	248437	102.674	ug/l	99
59) 2-Hexanone	10.75	43	229653	99.165	ug/l	96
60) Dibromochloromethane	10.90	129	77071	19.648	ug/l	98
61) 1,2-Dibromoethane	11.00	107	70346	20.091	ug/l	97
64) Tetrachloroethene	10.63	164	71282	19.928	ug/l	98
65) Chlorobenzene	11.43	112	222294	19.753	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	75960	20.099	ug/l	95
67) Ethyl Benzene	11.51	91	373368	19.975	ug/l	99
68) m/p-Xylenes	11.62	106	291110	40.363	ug/l	99
69) o-Xylene	11.95	106	139277	19.912	ug/l	97
70) Styrene	11.96	104	221023	19.961	ug/l	99
71) Bromoform	12.13	173	42944	18.883	ug/l #	100
73) Isopropylbenzene	12.25	105	373314	20.604	ug/l	99
74) N-amyl acetate	12.07	43	104088	19.360	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	80737	20.358	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	59788m	15.854	ug/l	
77) Bromobenzene	12.52	156	84671	19.597	ug/l	93
78) n-propylbenzene	12.59	91	417631	20.169	ug/l	99
79) 2-Chlorotoluene	12.67	91	242157	19.943	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	297533	20.288	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19528	18.542	ug/l	96
82) 4-Chlorotoluene	12.77	91	243340	19.939	ug/l	100
83) tert-Butylbenzene	12.99	119	258259	19.943	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	293233	20.086	ug/l	99
85) sec-Butylbenzene	13.17	105	355270	20.289	ug/l	99
86) p-Isopropyltoluene	13.29	119	295496	20.049	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	153164	20.060	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	148524	19.462	ug/l	97
89) n-Butylbenzene	13.61	91	247516	19.395	ug/l	97
90) Hexachloroethane	13.87	117	50106	20.172	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	147274	20.554	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11031	21.071	ug/l	93

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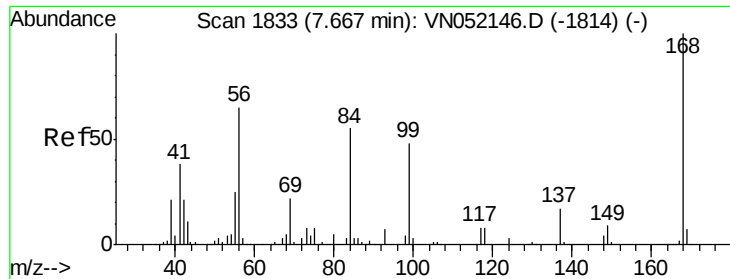
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	61525	19.628	ug/l	97
94) Hexachlorobutadiene	15.01	225	34206	20.110	ug/l	100
95) Naphthalene	15.13	128	142821	19.463	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	55280	20.068	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD01

Tot Ion:168 Resp: 359721

Ion Ratio Lower Upper

168 100

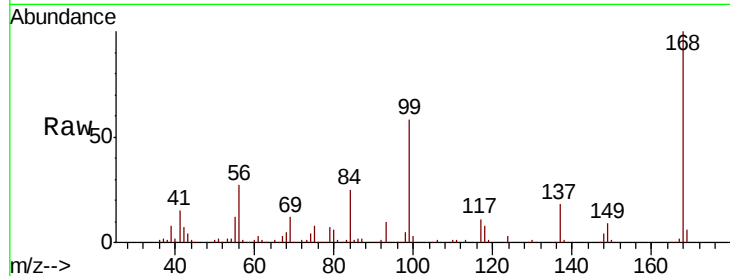
99 57.8 45.4 68.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

100000

50000

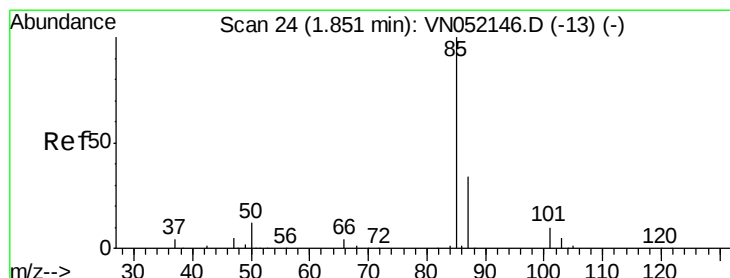
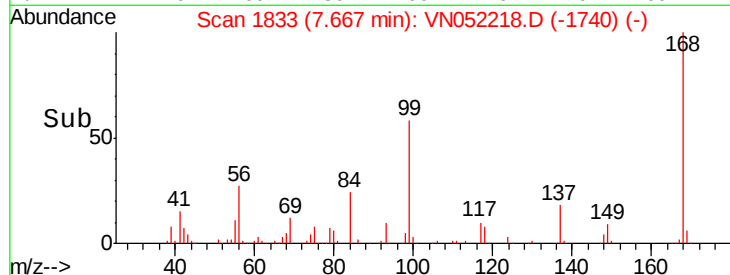
0

7.67

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.763 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052218.D

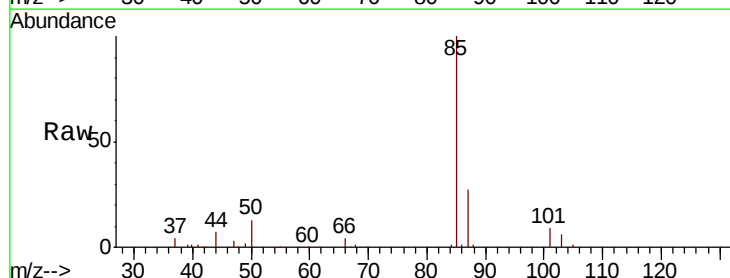
Acq: 8 Nov 2018 12:35

Tgt Ion: 85 Resp: 65128

Ion Ratio Lower Upper

85 100

87 27.3 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

50000

40000

30000

20000

10000

0

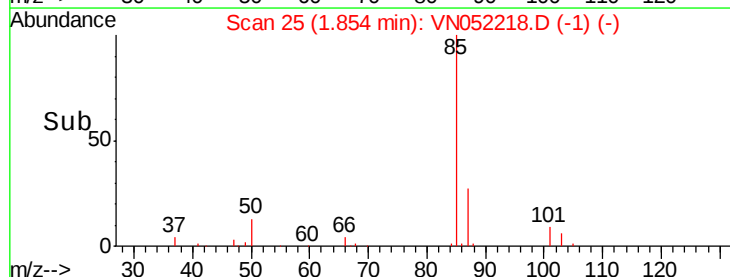
1.85

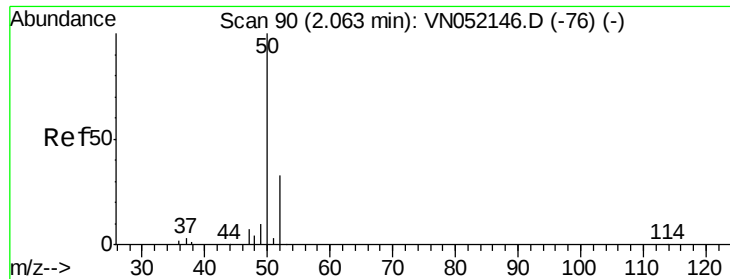
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 20.318 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD01

Tot Ion: 50 Resp: 86022

Ion Ratio Lower Upper

50 100

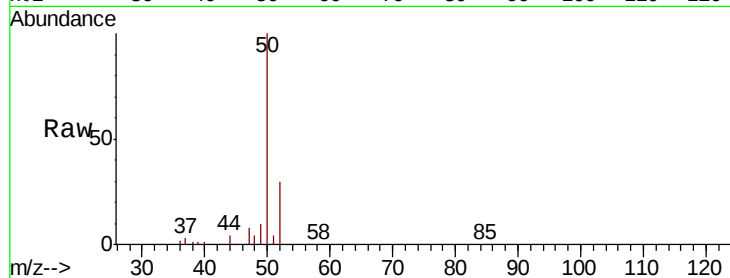
52 30.2 26.2 39.4

Manual Integrations

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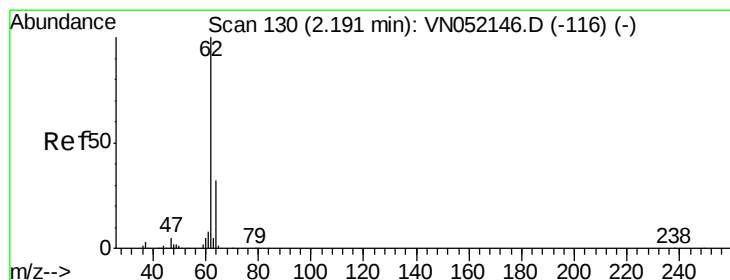
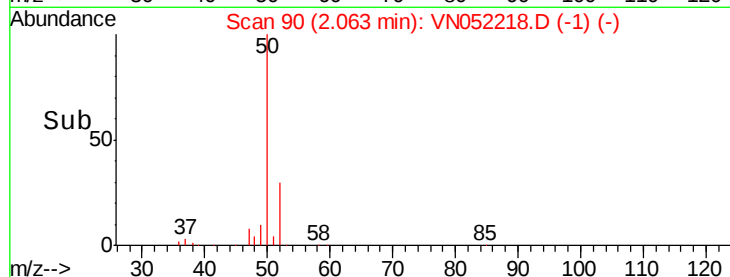
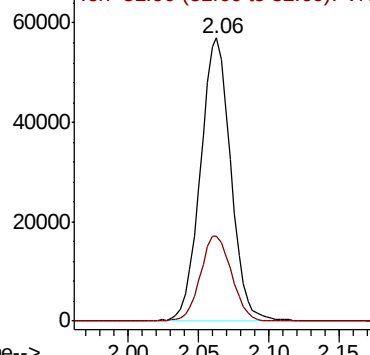
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.674 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052218.D

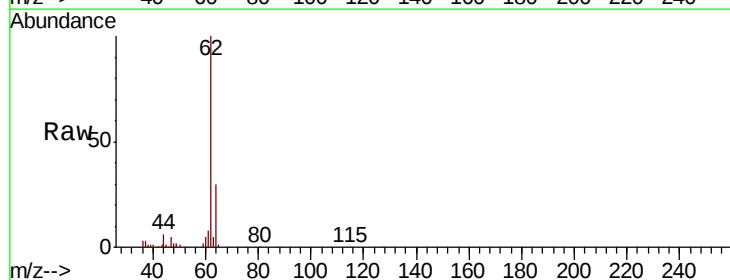
Acq: 8 Nov 2018 12:35

Tgt Ion: 62 Resp: 83834

Ion Ratio Lower Upper

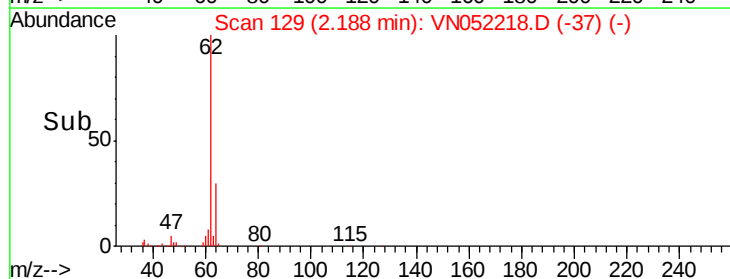
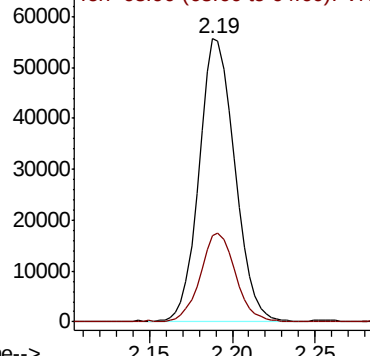
62 100

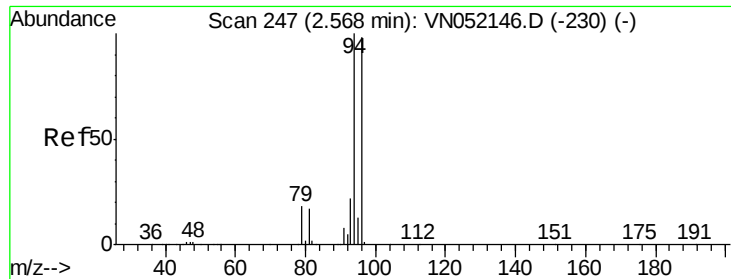
64 30.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.415 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

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ClientSampleId :

VN1108WBSD01

Tot Ion: 94 Resp: 55824

Ion Ratio Lower Upper

94 100

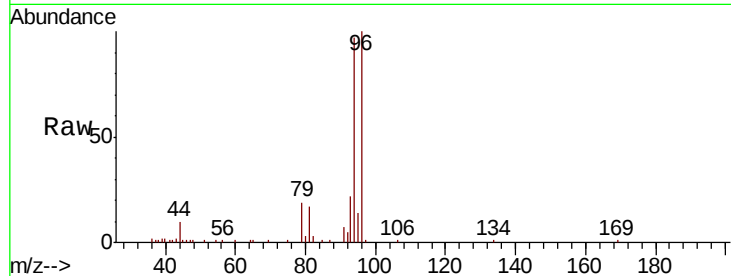
96 103.6 78.3 117.5

Manual Integrations

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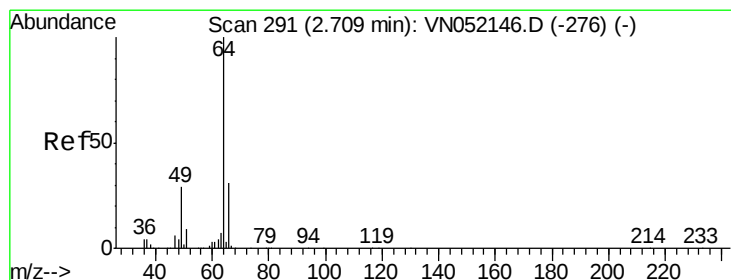
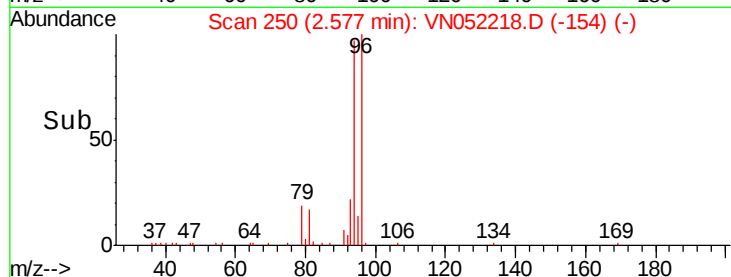
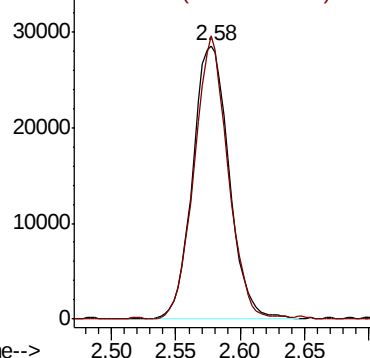
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.585 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052218.D

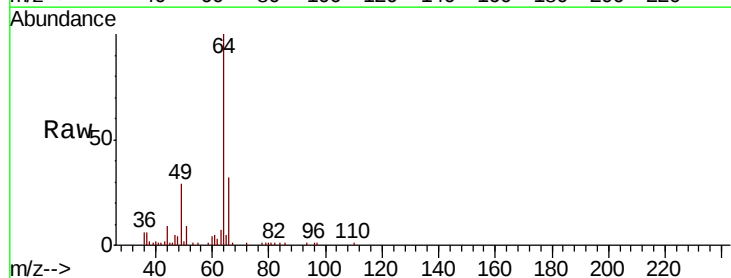
Acq: 8 Nov 2018 12:35

Tgt Ion: 64 Resp: 53372

Ion Ratio Lower Upper

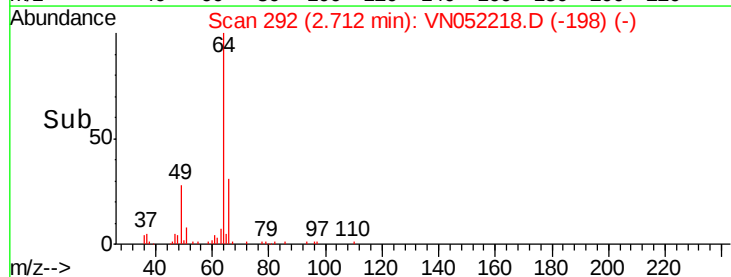
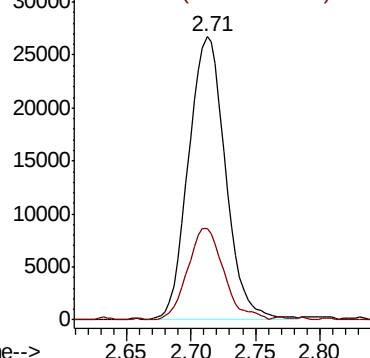
64 100

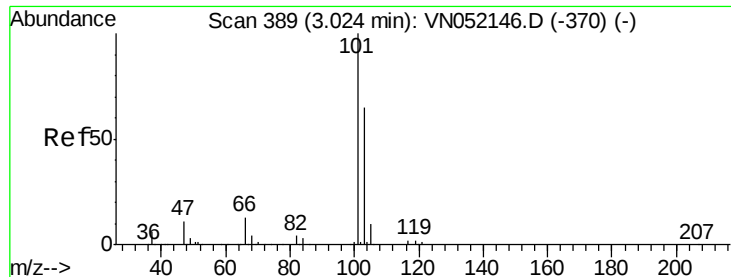
66 32.3 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

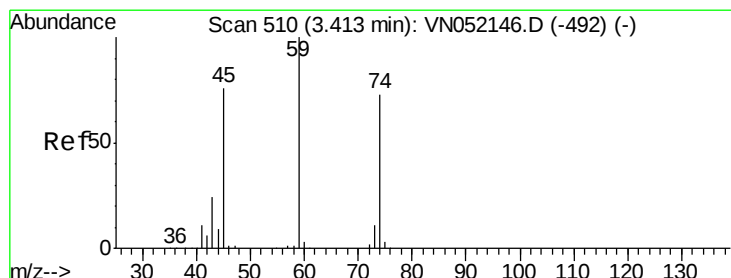
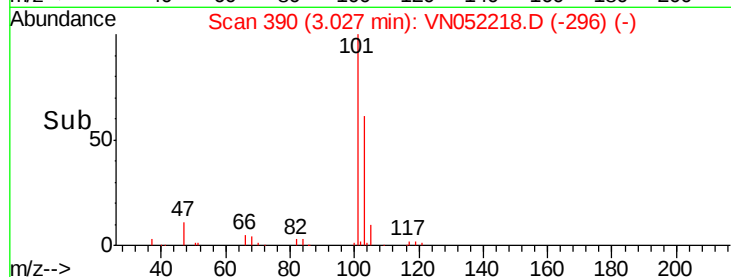
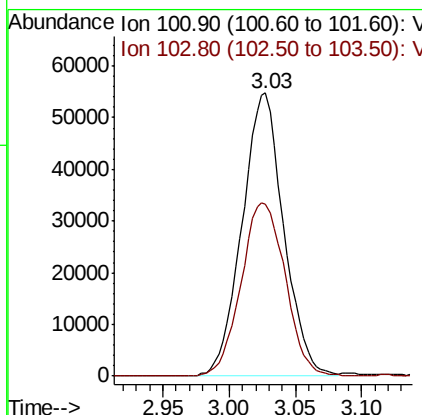
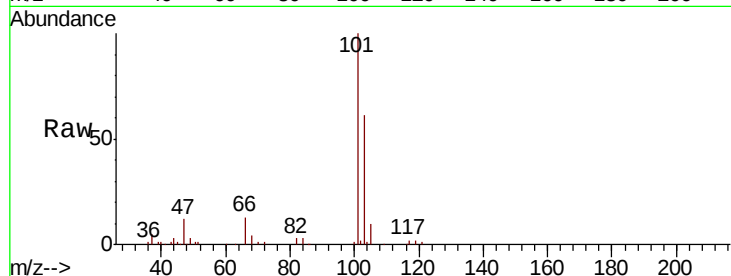
Trichlorofluoromethane
Concen: 20.290 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

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VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.2	78.4

Manual Integrations
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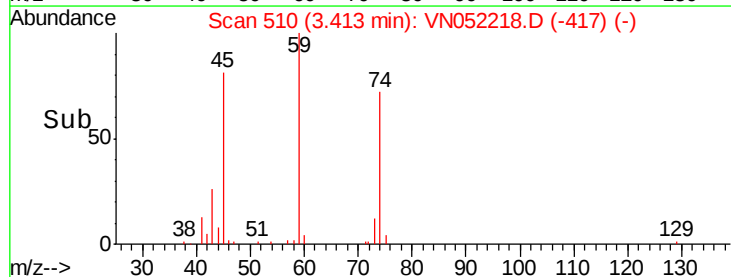
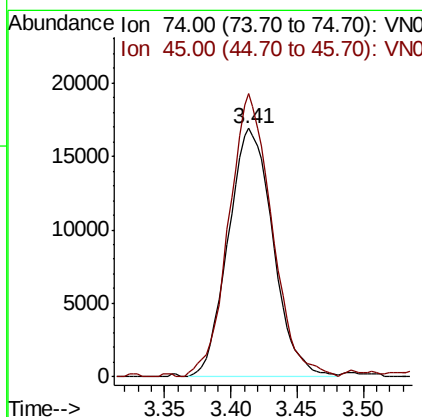
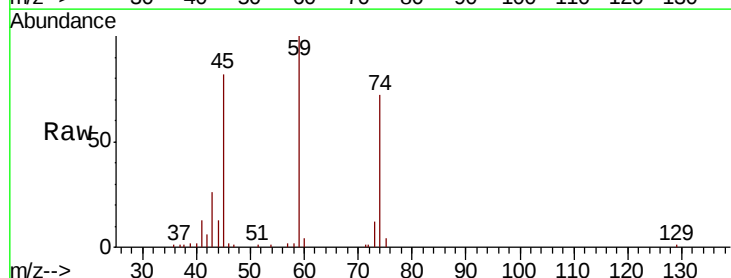
MMDadoda
11/9/2018 11:49:09 AM

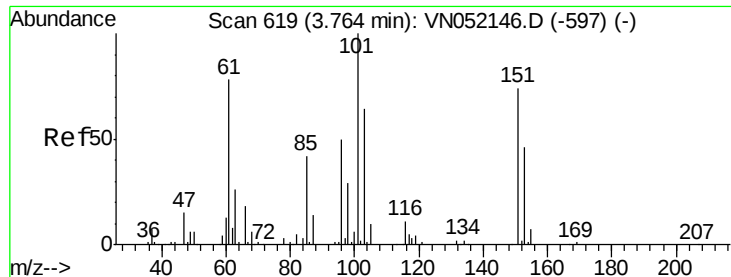


#8

Diethyl Ether
Concen: 19.322 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.5	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.864 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

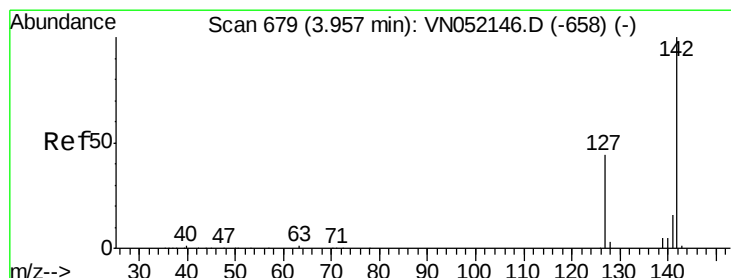
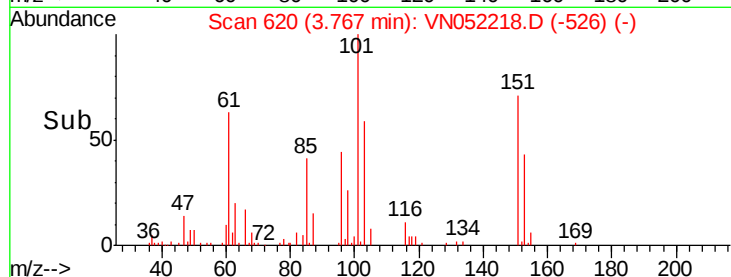
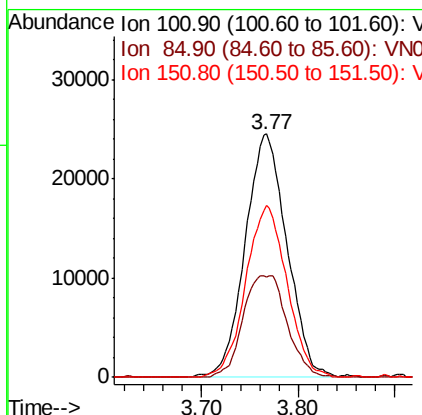
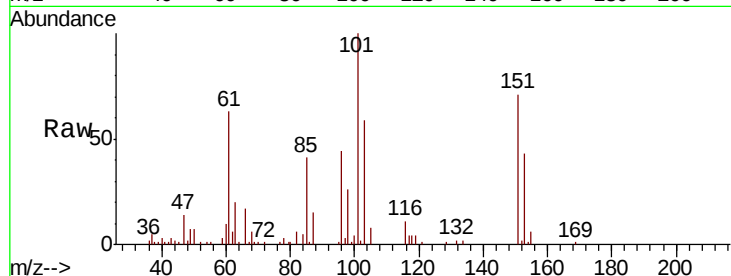
ClientSampleId :

VN1108WBSD01

Tot Ion:	101	Resp:	73440
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.1	54.1
151	69.6	59.7	89.5

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#10

Methyl Iodide

Concen: 20.121 ug/l

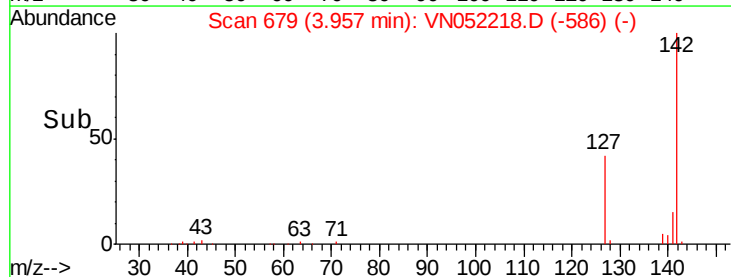
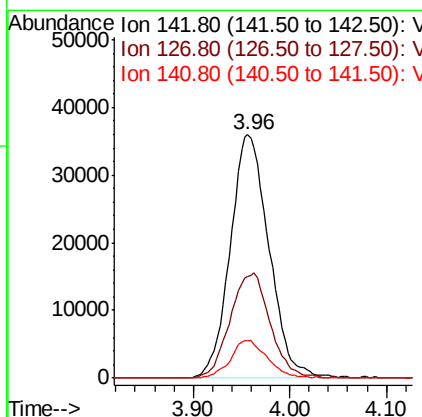
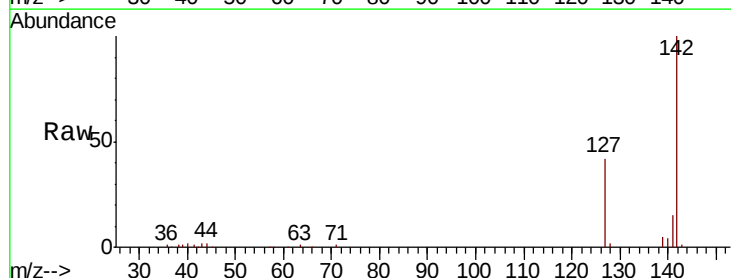
RT: 3.96 min Scan# 679

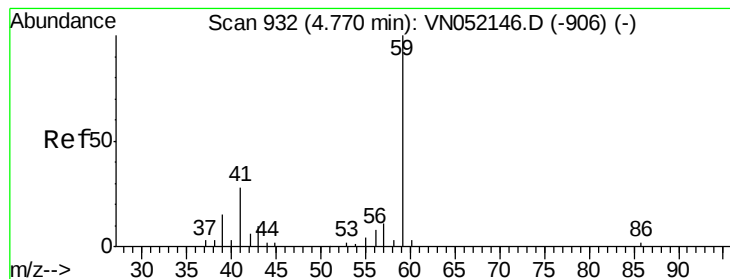
Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Tgt Ion:	142	Resp:	99995
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.0	54.0
141	14.7	11.8	17.6





#11

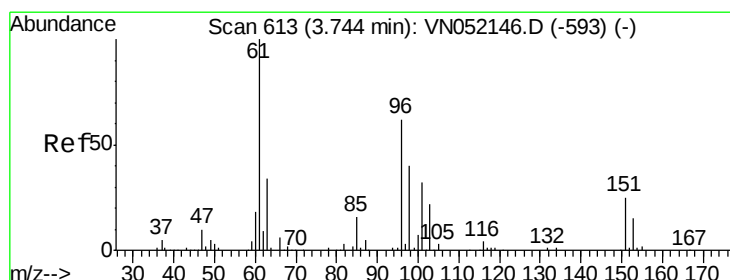
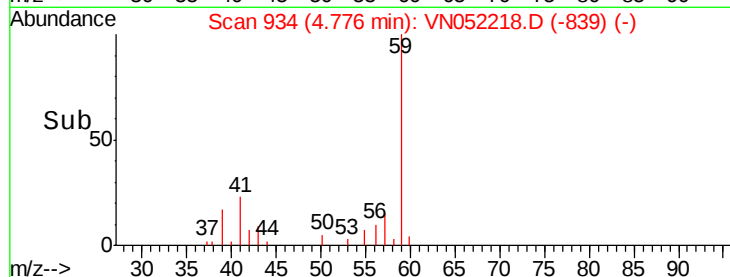
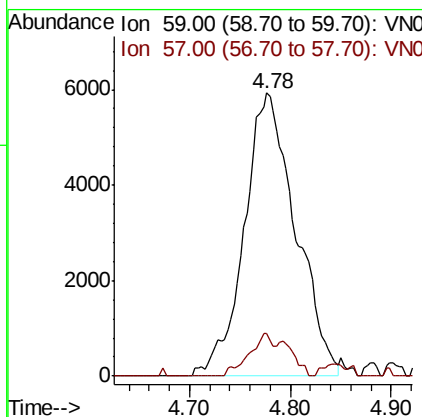
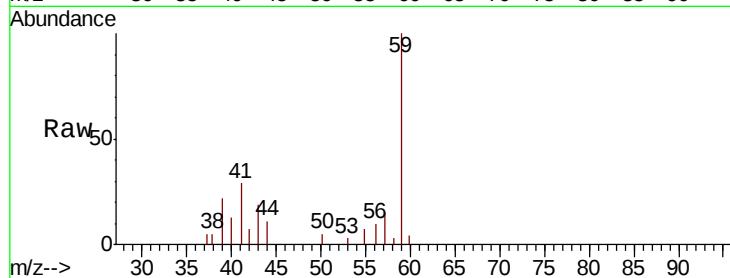
Tert butyl alcohol
Concen: 112.787 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.01 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	59	57	Ratio	100	6.7	Resp	20914	Lower	Upper
59	100								
57		6.7						5.7	8.5

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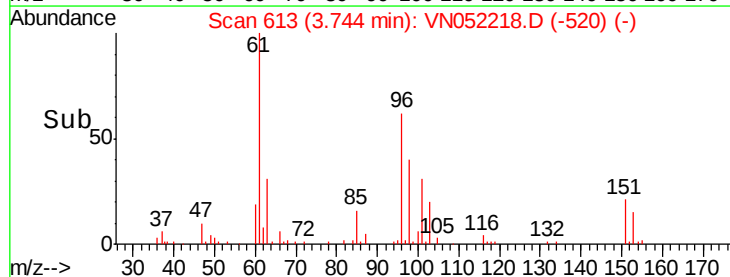
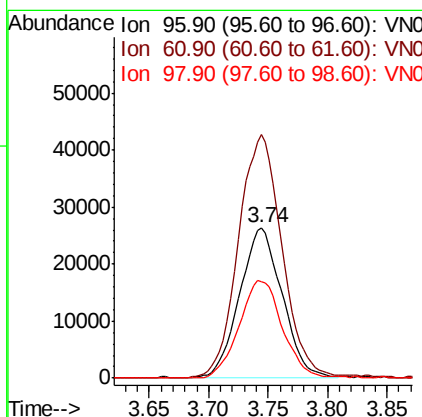
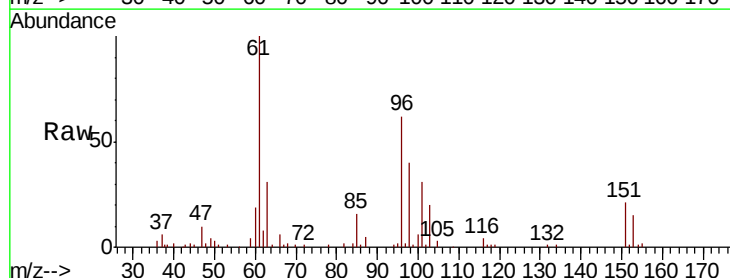
MMDadoda
11/9/2018 11:49:09 AM

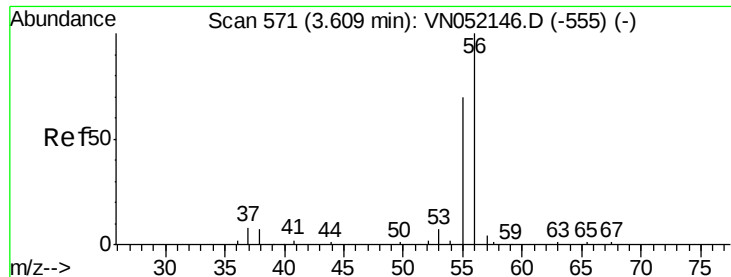


#12

1,1-Dichloroethene
Concen: 19.758 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	96	61	98	Ratio	100	161.8	64.2	Resp	65474	Lower	Upper
96	100										
61		161.8								128.4	192.6
98		64.2								50.9	76.3





#13

Acrolein

Concen: 95.868 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD01

Tot Ion: 56 Resp: 13661

Ion Ratio Lower Upper

56 100

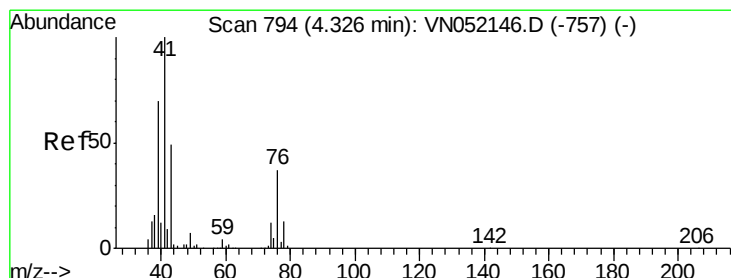
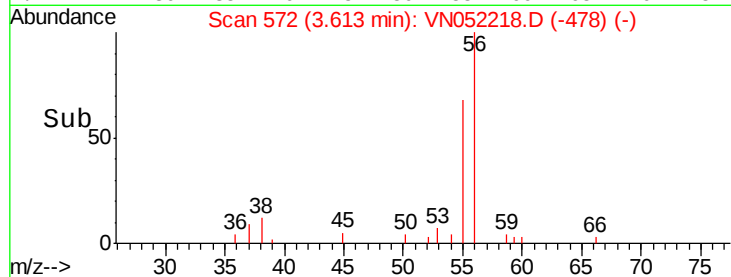
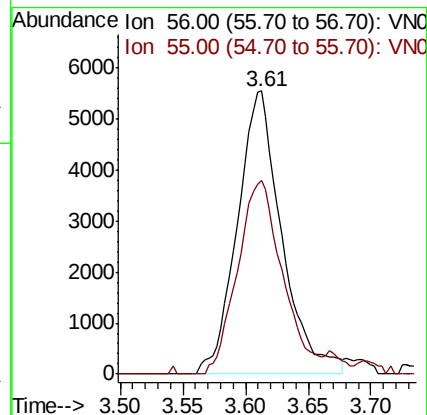
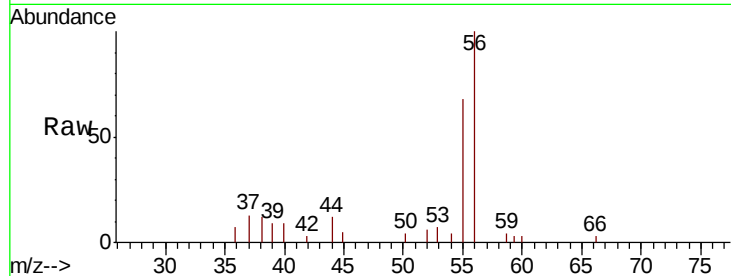
55 69.3 56.6 84.8

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.537 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

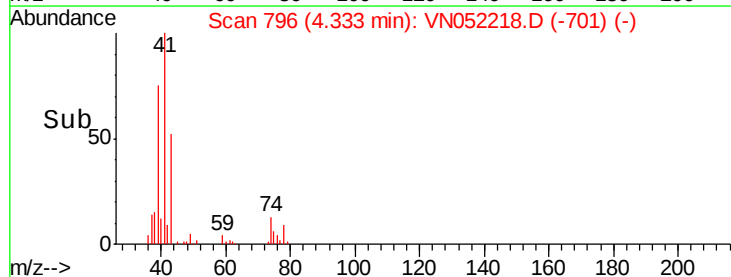
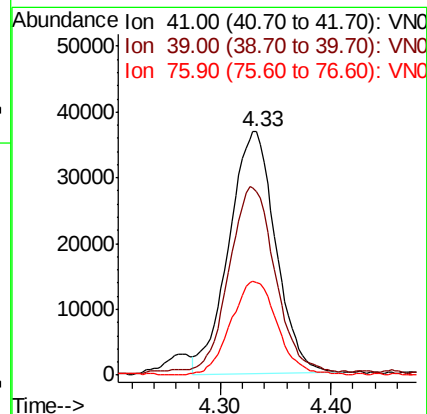
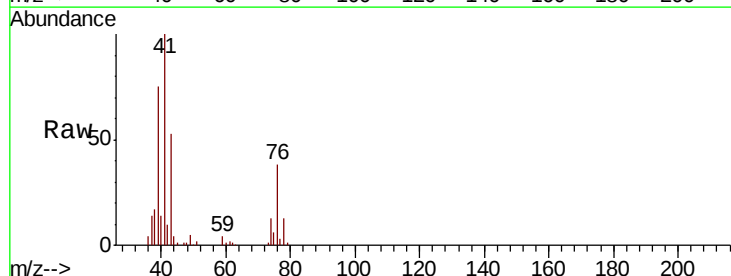
Tgt Ion: 41 Resp: 108056

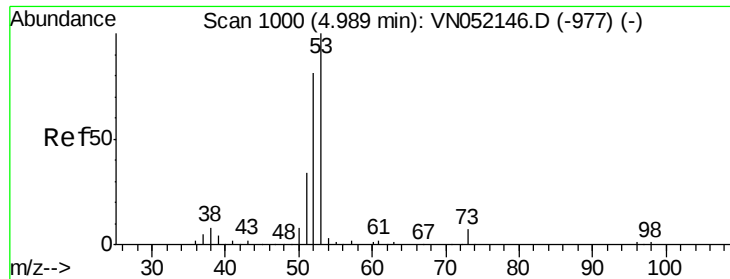
Ion Ratio Lower Upper

41 100

39 74.1 55.3 82.9

76 38.8 27.8 41.8





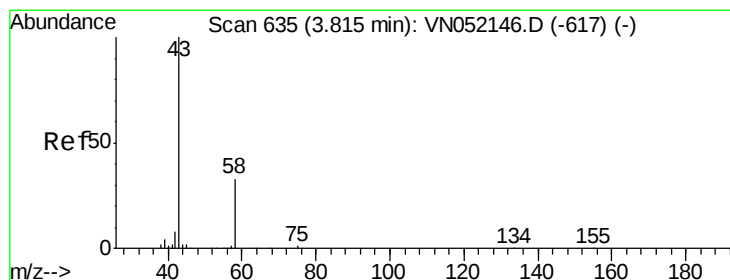
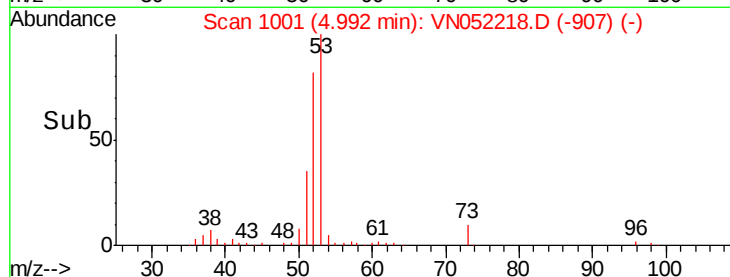
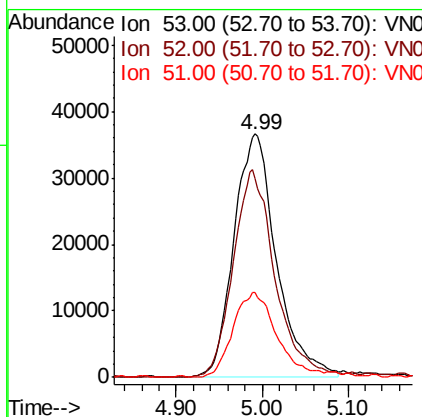
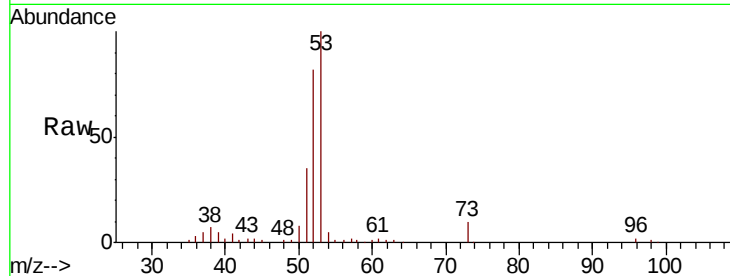
#15
 Acrylonitrile
 Concen: 103.737 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.5	99.7
51	35.9	29.2	43.8

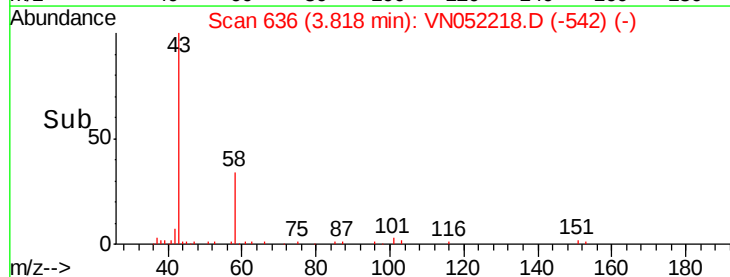
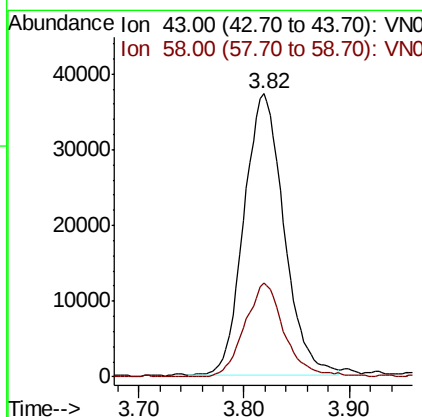
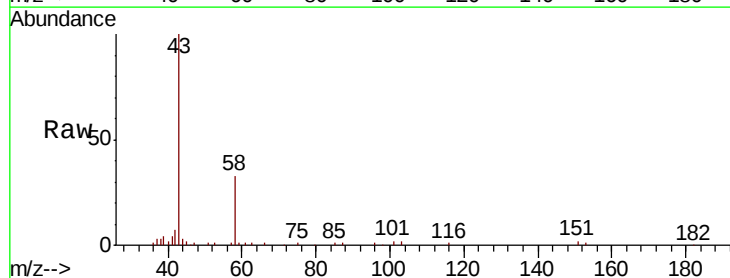
Manual Integrations
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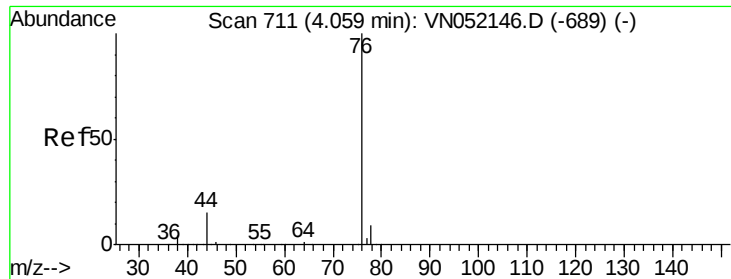
MMDadoda
 11/9/2018 11:49:09 AM



#16
 Acetone
 Concen: 102.121 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.2	39.2





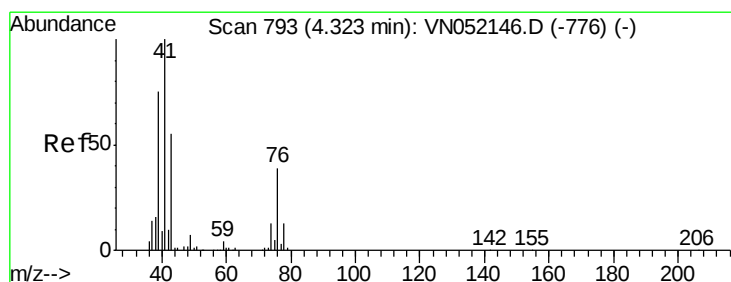
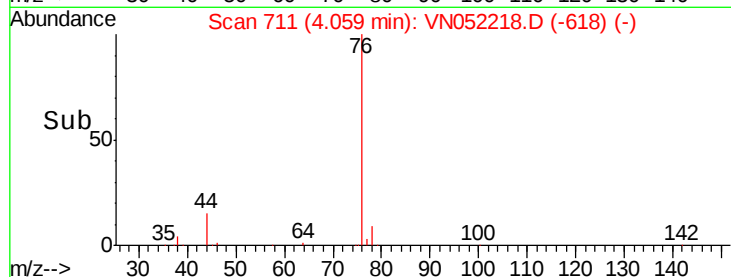
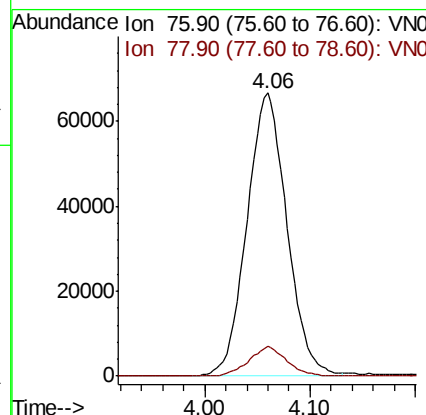
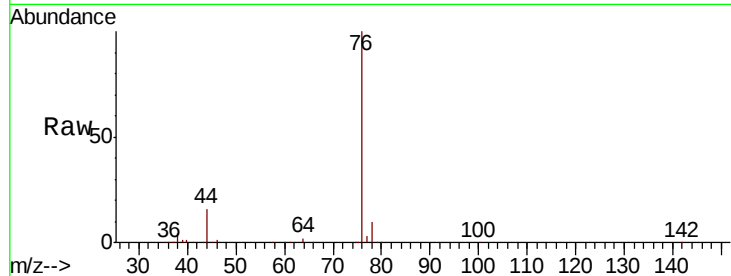
#17
Carbon Disulfide
Concen: 18.607 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion: 76 Resp: 175961
Ion Ratio Lower Upper
76 100
78 10.5 7.0 10.6

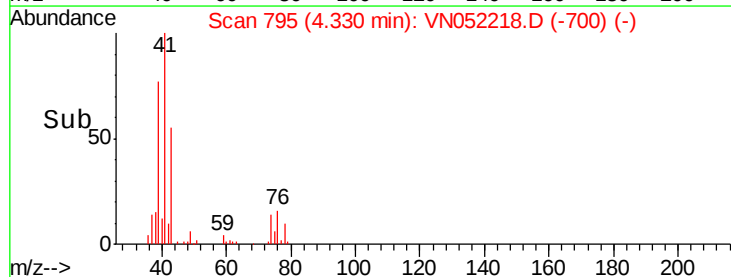
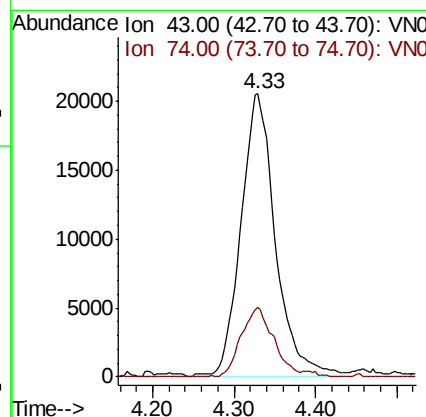
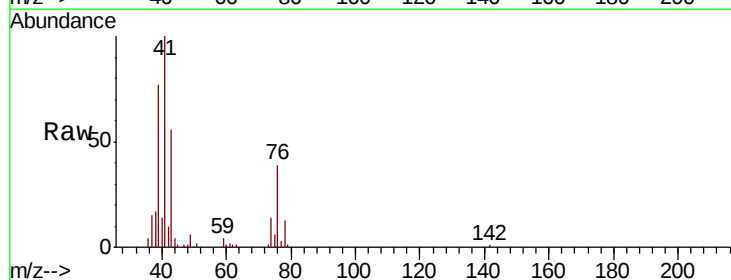
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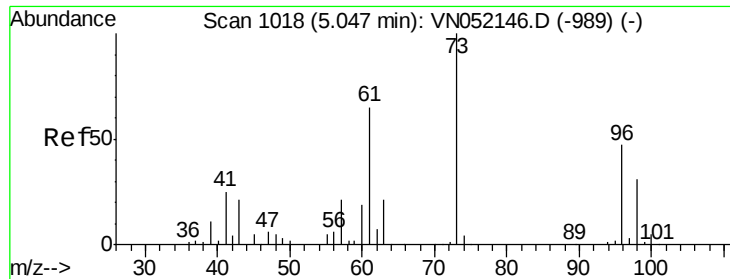
MMDadoda
11/9/2018 11:49:09 AM



#18
Methyl Acetate
Concen: 19.639 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion: 43 Resp: 60312
Ion Ratio Lower Upper
43 100
74 22.9 19.3 28.9





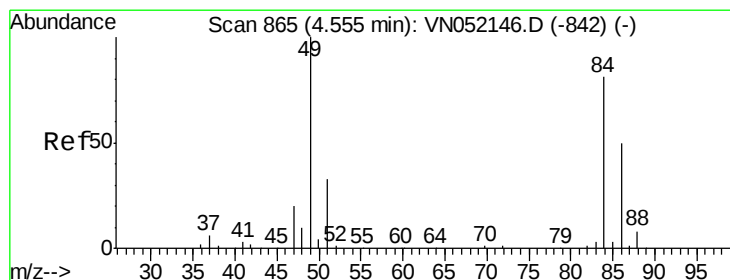
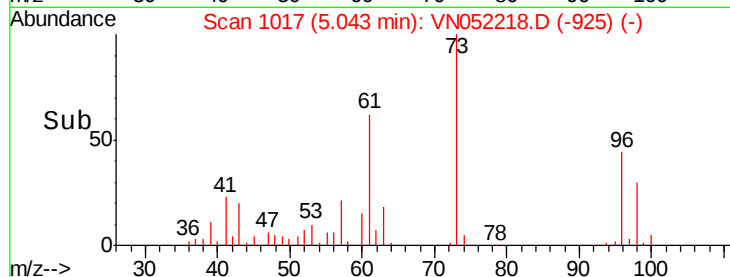
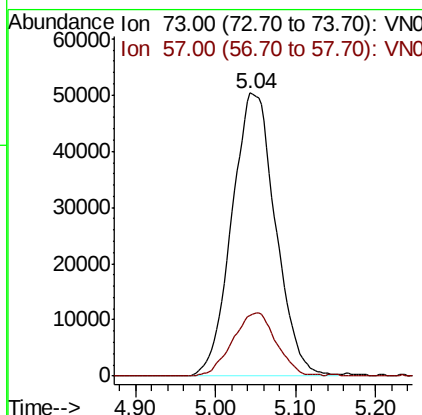
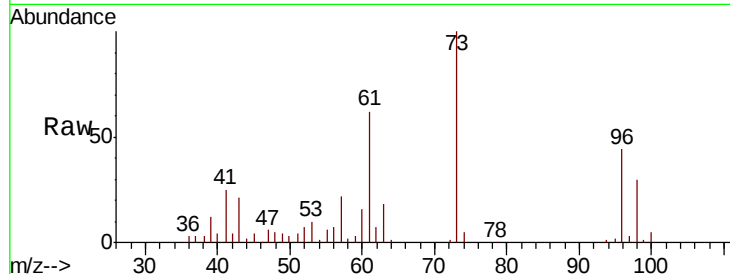
#19
Methyl tert-butyl Ether
Concen: 20.547 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion: 73 Resp: 187388
Ion Ratio Lower Upper
73 100
57 21.6 16.8 25.2

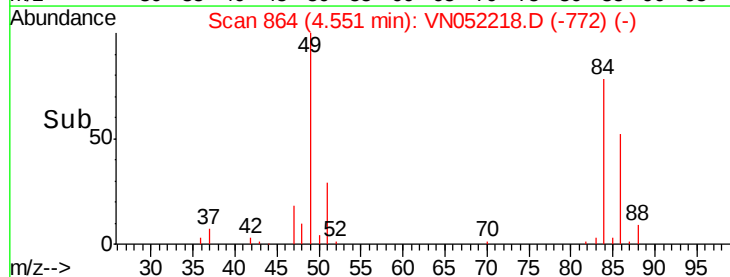
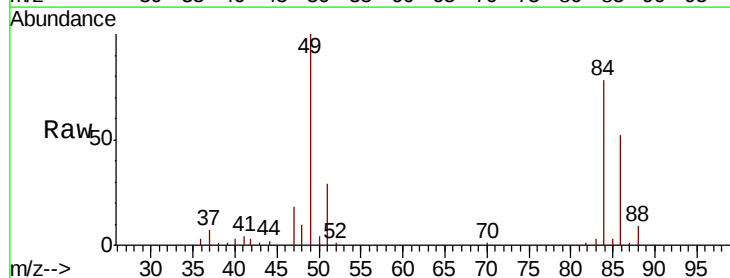
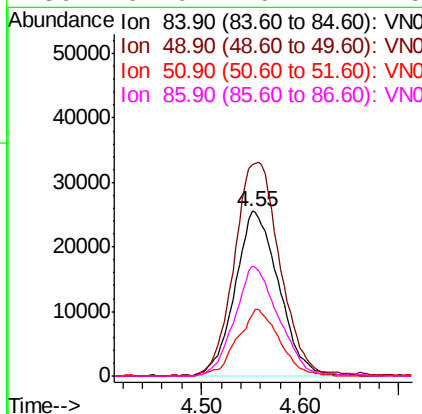
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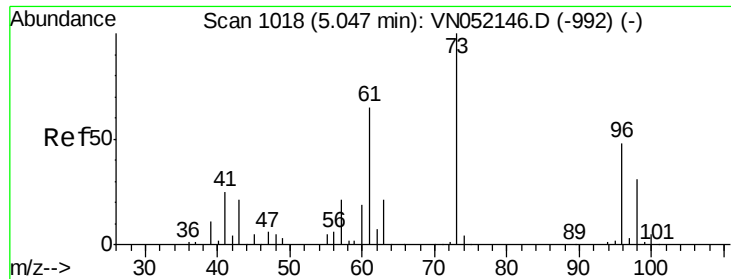
MMDadoda
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#20
Methylene Chloride
Concen: 19.448 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion: 84 Resp: 78095
Ion Ratio Lower Upper
84 100
49 127.6 98.4 147.6
51 37.6 32.5 48.7
86 67.0 49.7 74.5





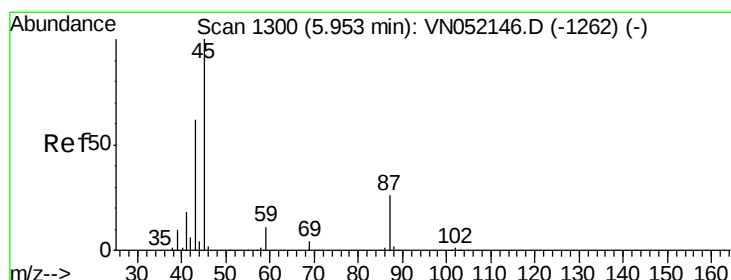
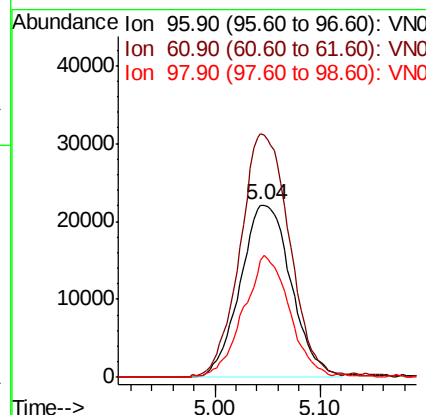
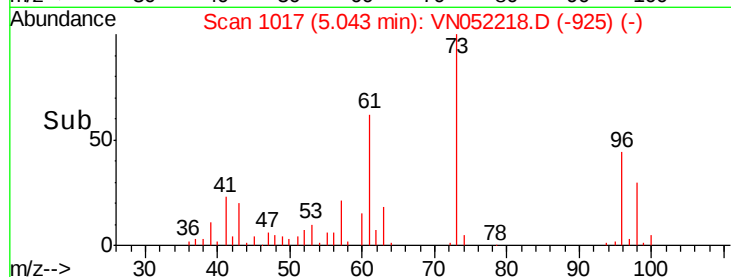
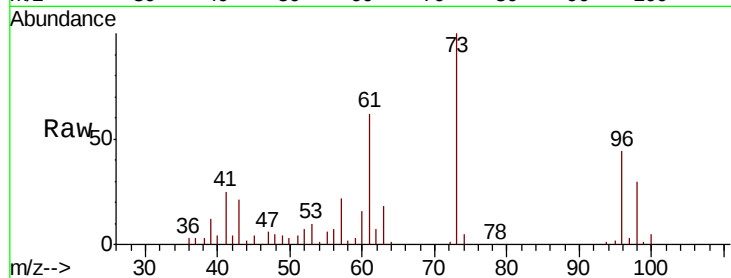
#21
trans-1,2-Dichloroethene
Concen: 20.140 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	109.6	164.4
98	67.5	52.0	78.0

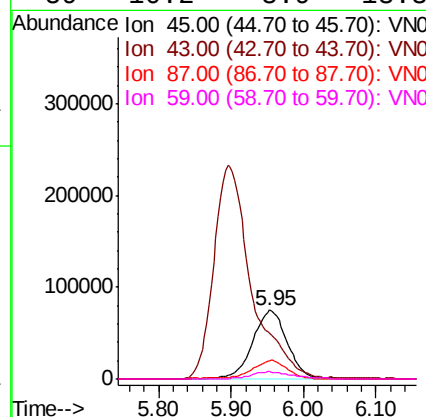
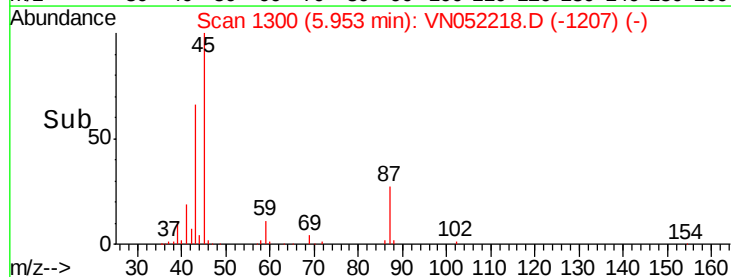
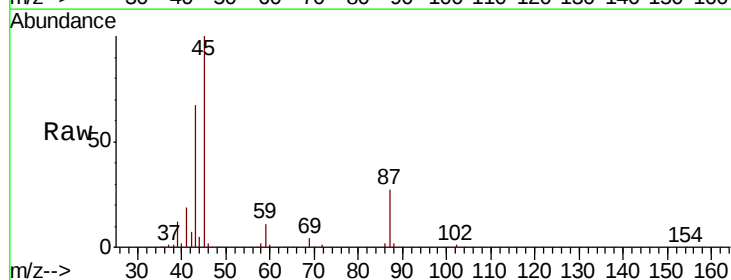
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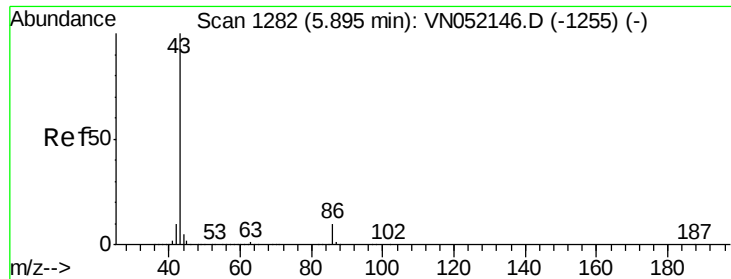
MMDadoda
11/9/2018 11:49:09 AM



#22
Diisopropyl ether
Concen: 20.531 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	49.8	74.6
87	26.9	21.1	31.7
59	10.2	8.9	13.3





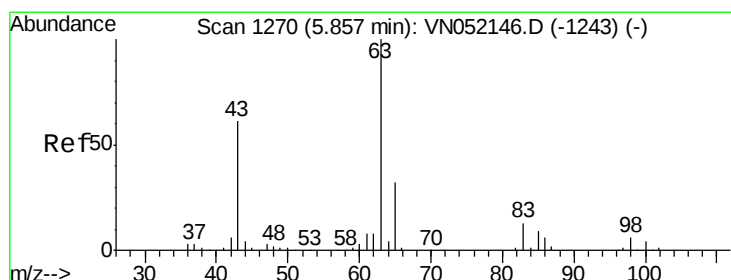
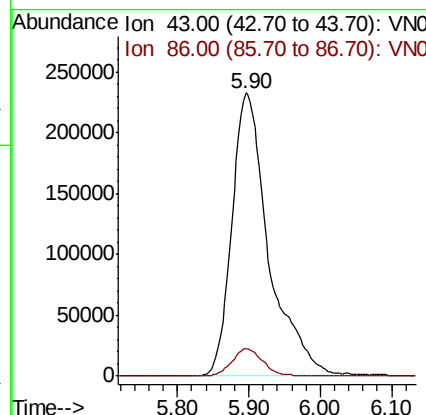
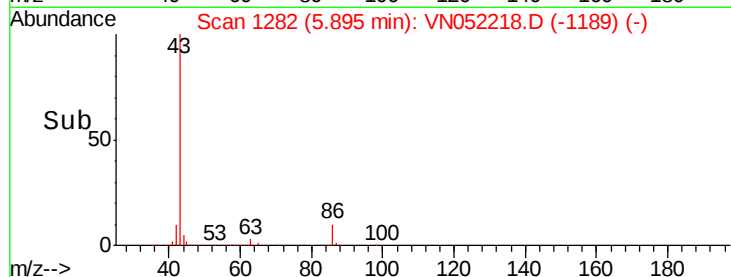
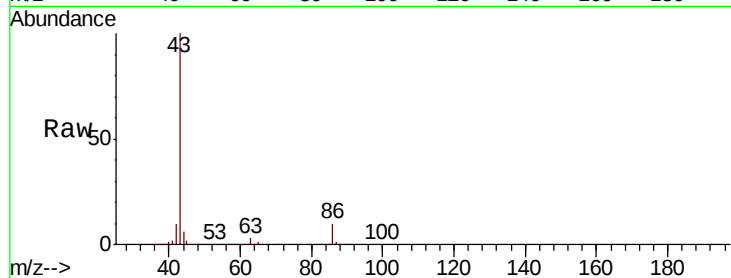
#23
 Vinyl Acetate
 Concen: 104.244 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1108WBSD01

Tot Ion: 43 Resp: 836026
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.9 11.9

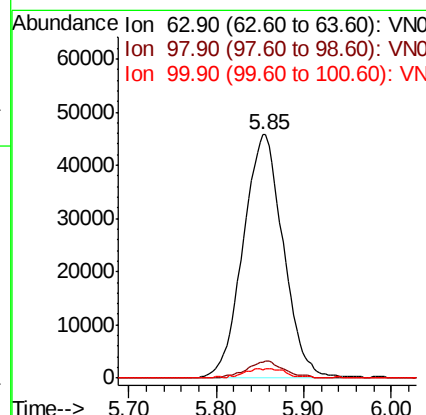
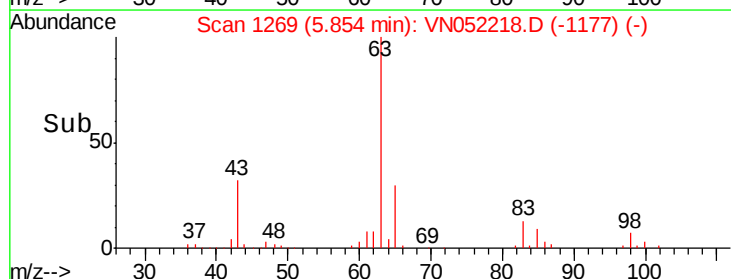
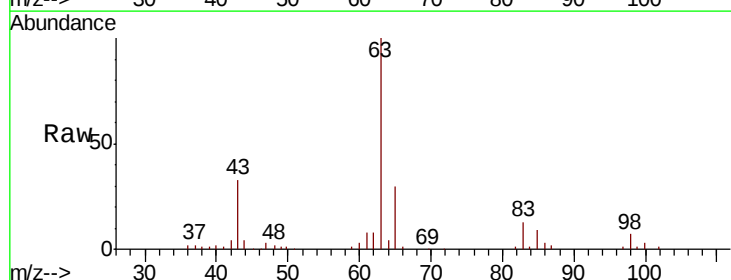
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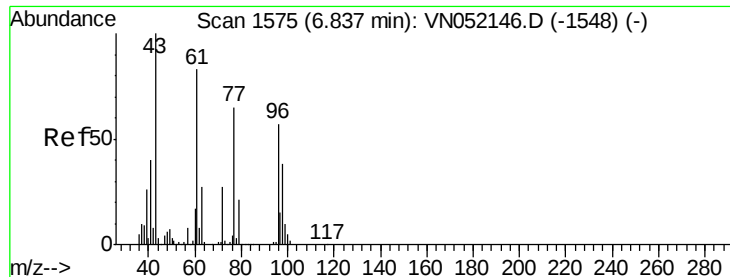
MMDadoda
 11/9/2018 11:49:09 AM



#24
 1,1-Dichloroethane
 Concen: 21.150 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion: 63 Resp: 145791
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.4
 100 3.4 2.1 6.2





#25

2-Butanone

Concen: 101.125 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD01

Tot Ion: 43 Resp: 151540

Ion Ratio Lower Upper

43 100

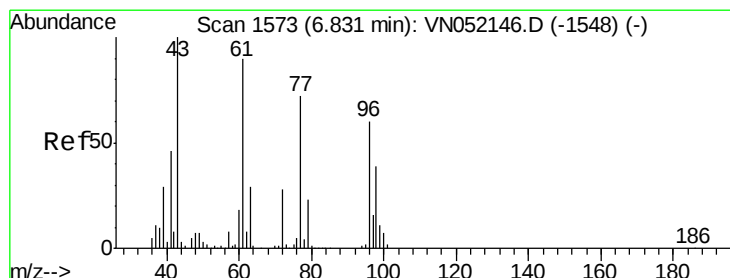
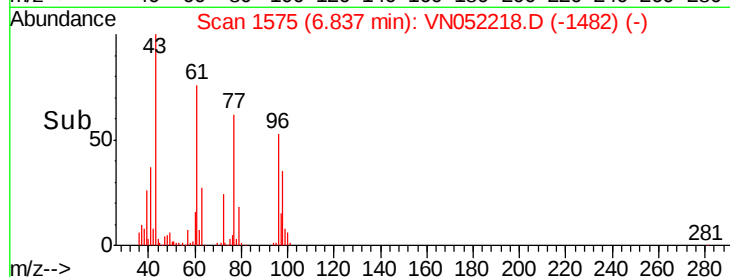
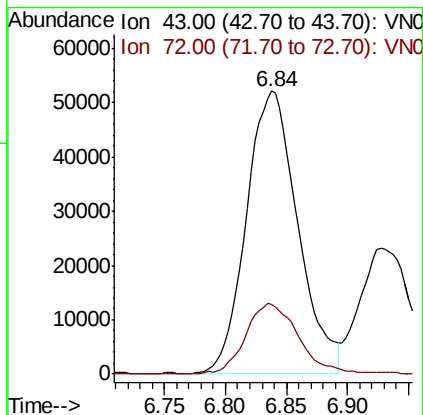
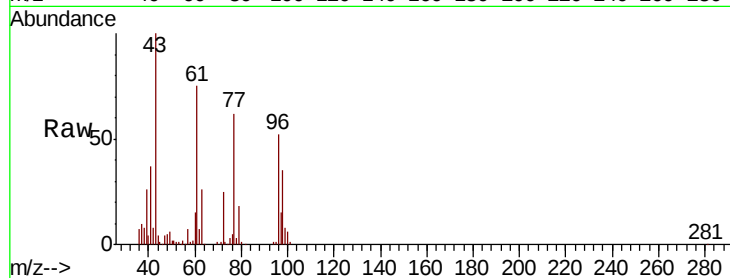
72 24.8 21.4 32.2

Manual Integrations

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MMDadoda

11/9/2018 11:49:09 AM



#26

2,2-Dichloropropane

Concen: 20.766 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN052218.D

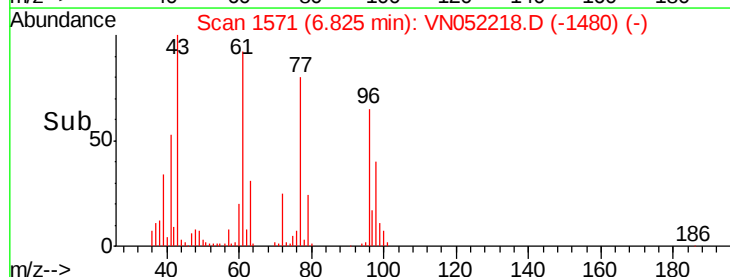
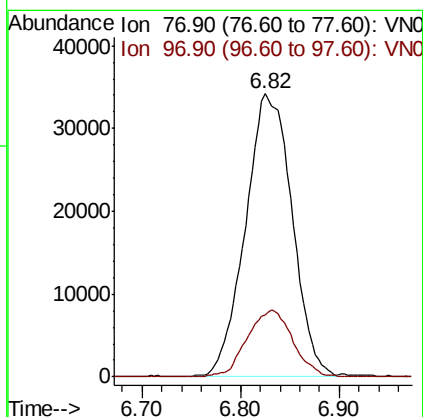
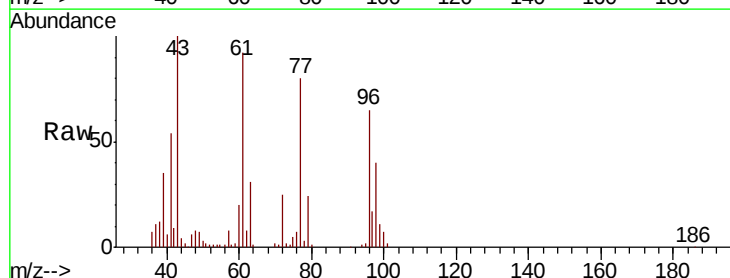
Acq: 8 Nov 2018 12:35

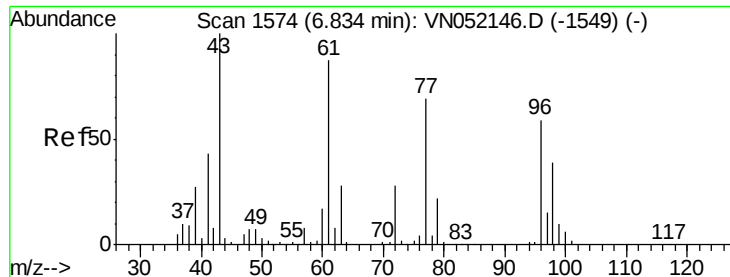
Tgt Ion: 77 Resp: 112031

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 20.918 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

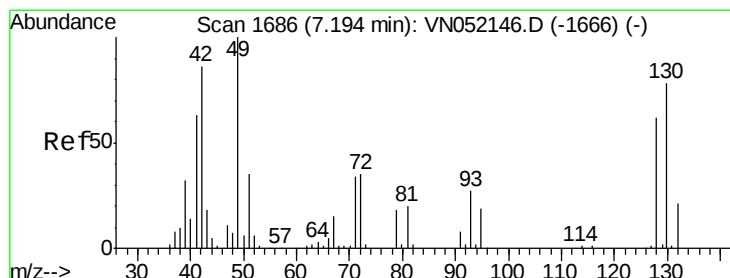
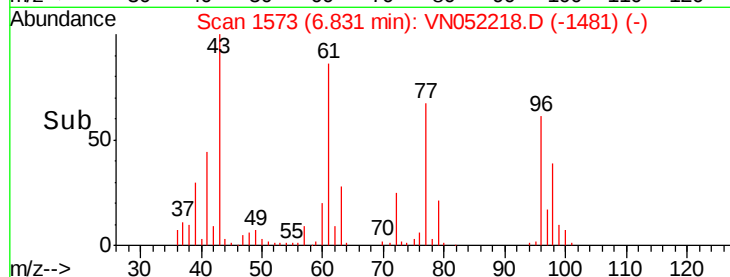
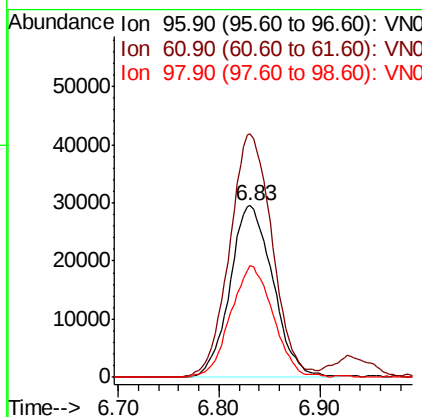
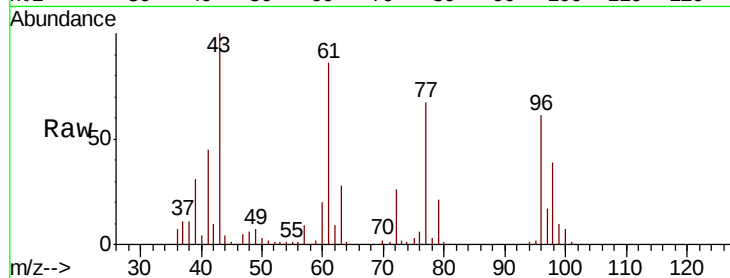
ClientSampleId :

VN1108WBSD01

Tot Ion:	96	Resp:	87451
Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	291.8
98	64.4	0.0	130.0

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#28

Bromochloromethane

Concen: 21.122 ug/l

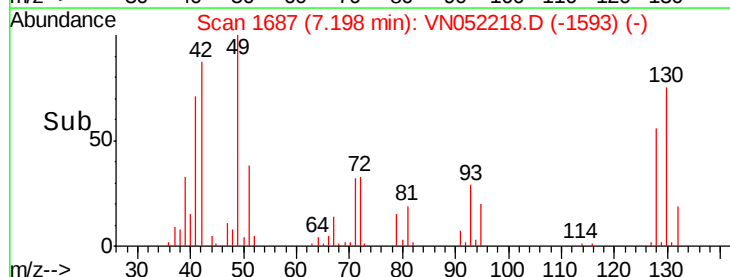
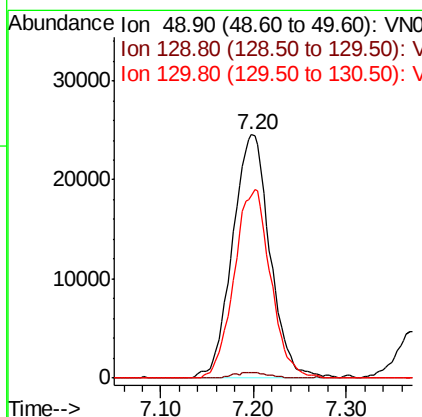
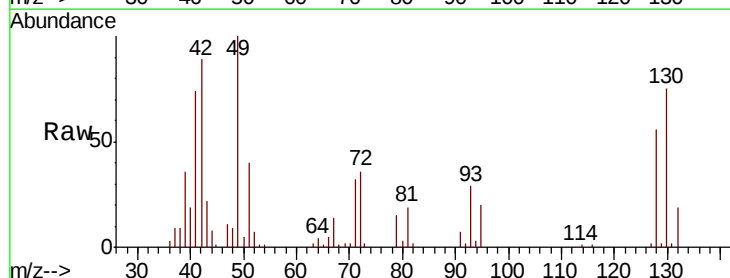
RT: 7.20 min Scan# 1687

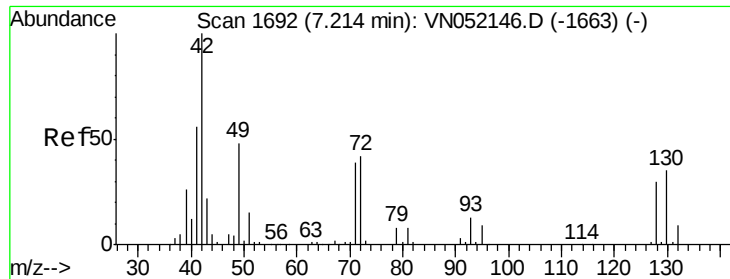
Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Tgt Ion:	49	Resp:	68887
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.4
130	75.3	59.8	89.6





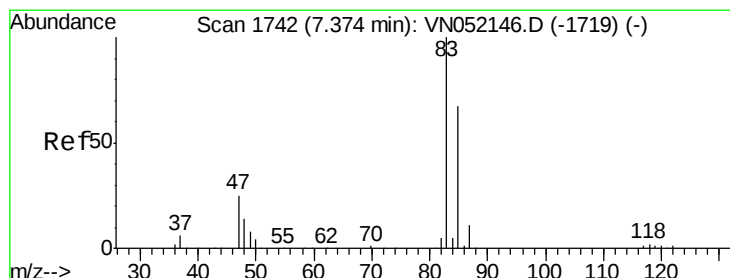
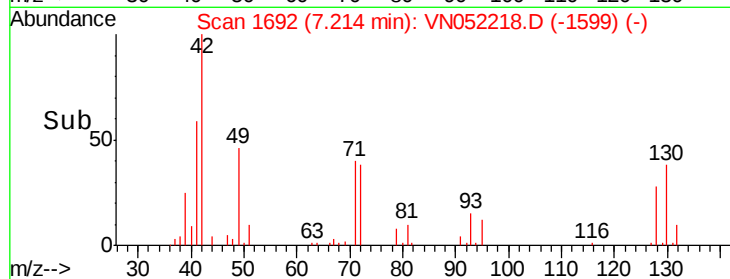
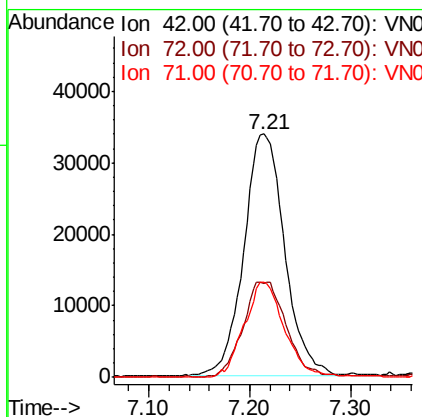
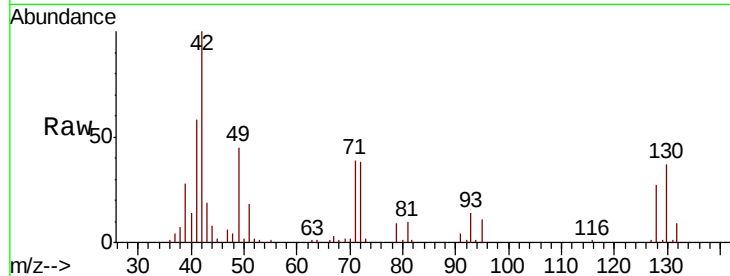
#29
Tetrahydrofuran
Concen: 102.054 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.3	48.5
71	38.7	31.0	46.6

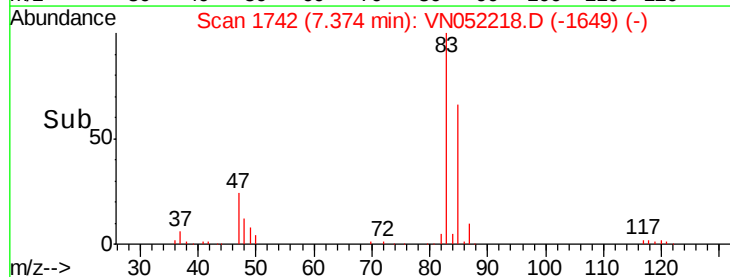
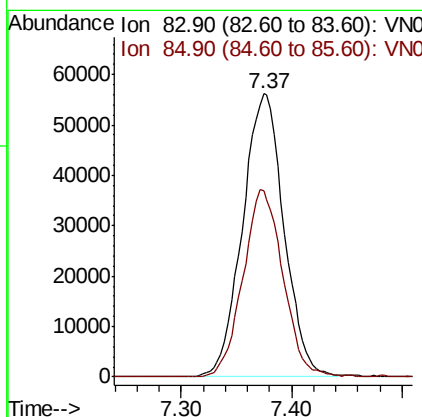
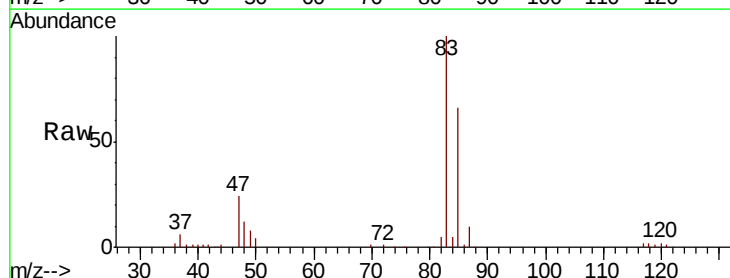
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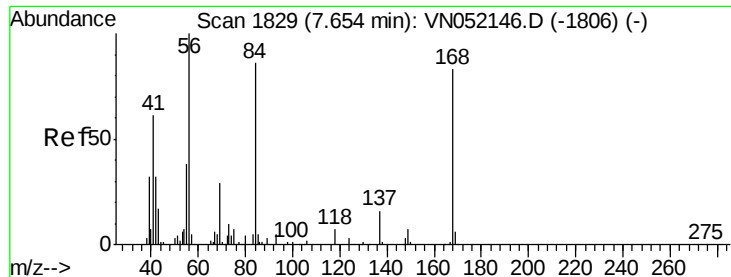
MMDadoda
11/9/2018 11:49:09 AM



#30
Chloroform
Concen: 21.298 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	53.7	80.5





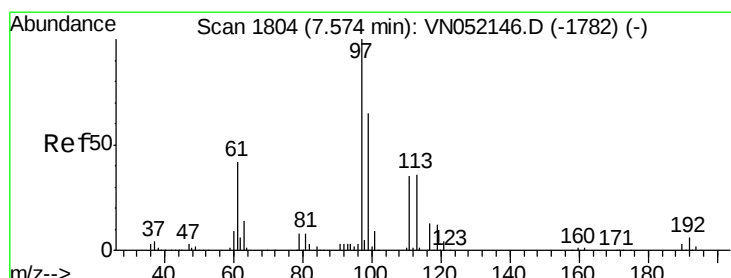
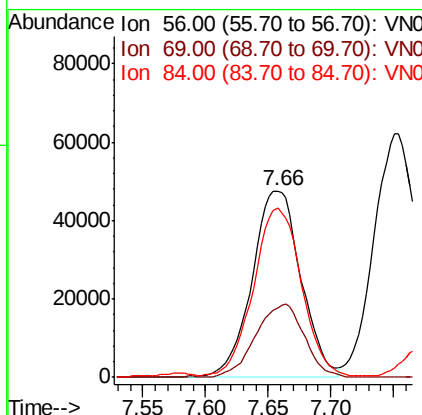
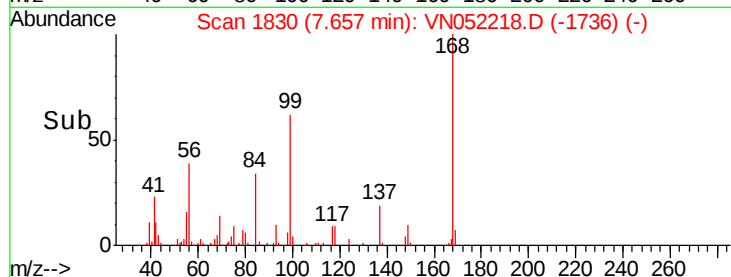
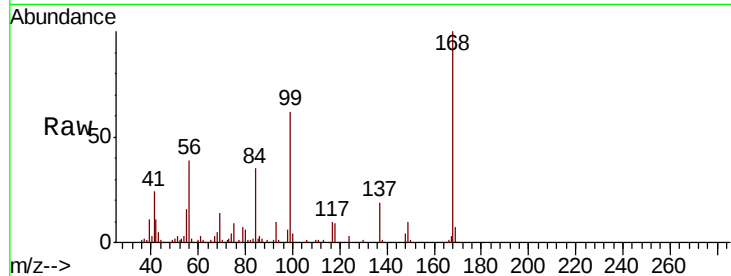
#31
Cyclohexane
Concen: 19.071 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	23.5	35.3#
84	89.0	68.7	103.1

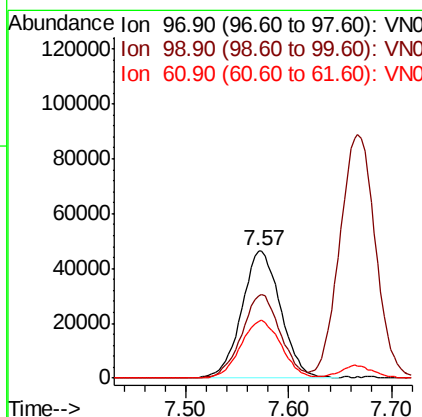
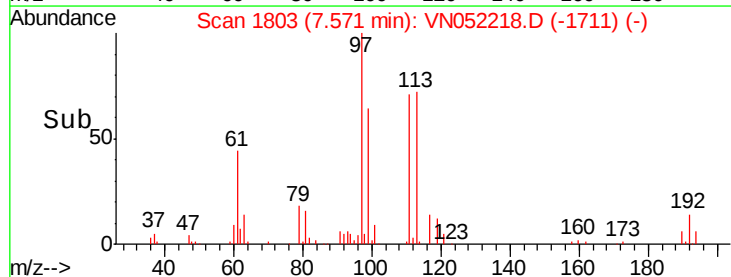
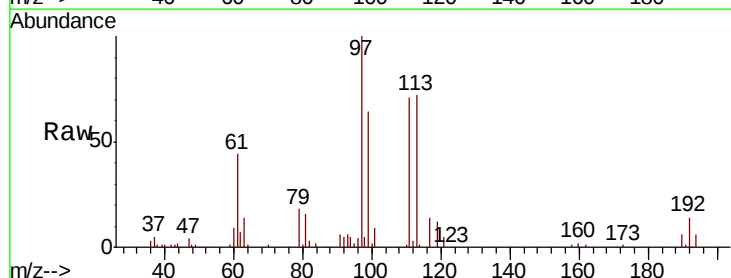
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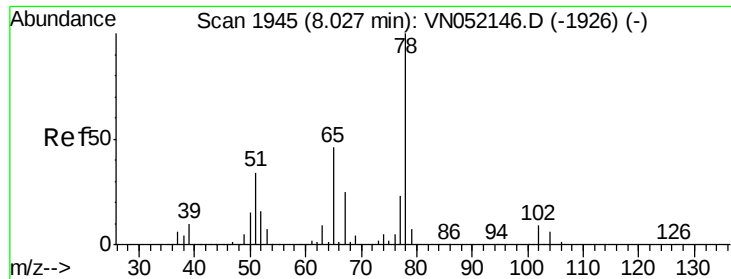
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.101 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	46.9	35.1	52.7





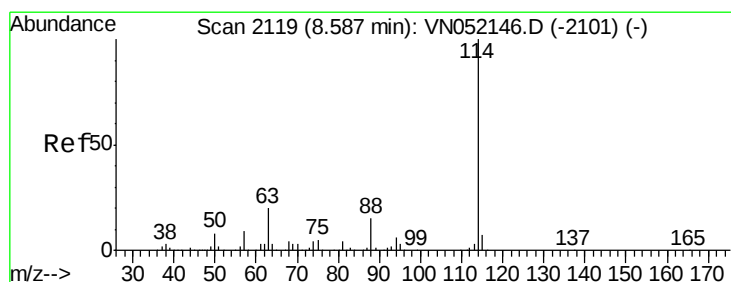
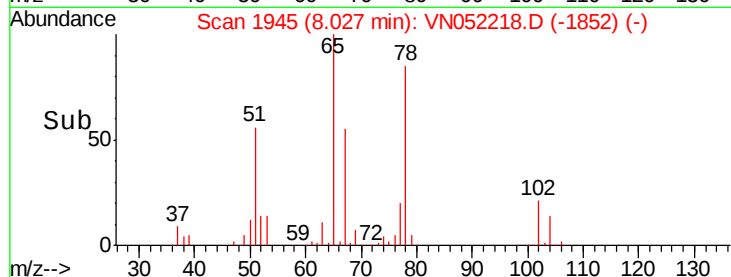
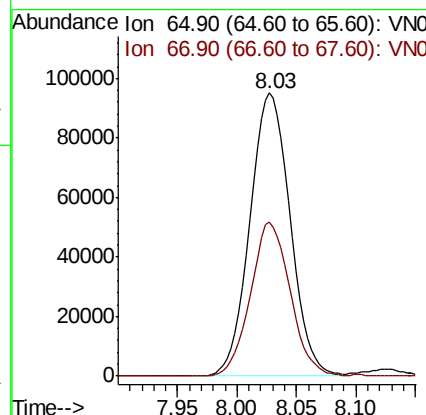
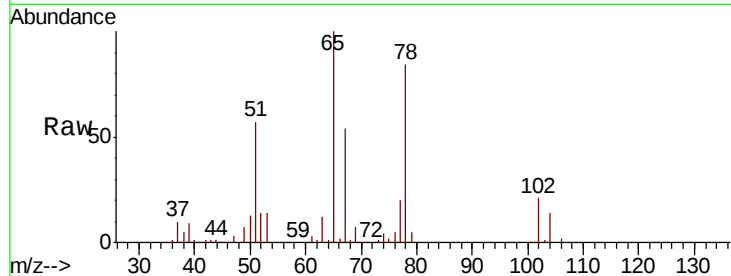
#33
 1,2-Dichloroethane-d4
 Concen: 20.101 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222942		
67	53.5	0.0	107.6	

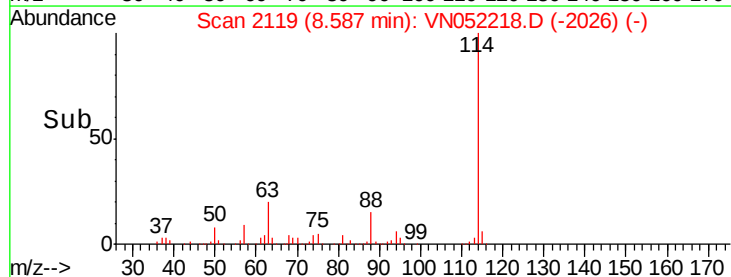
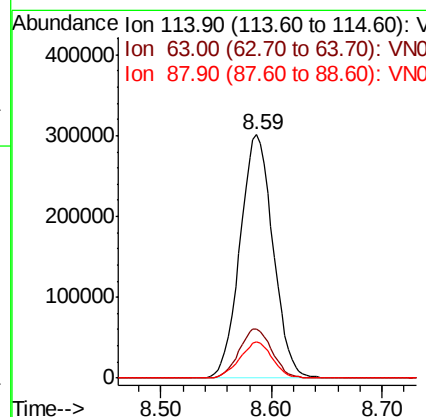
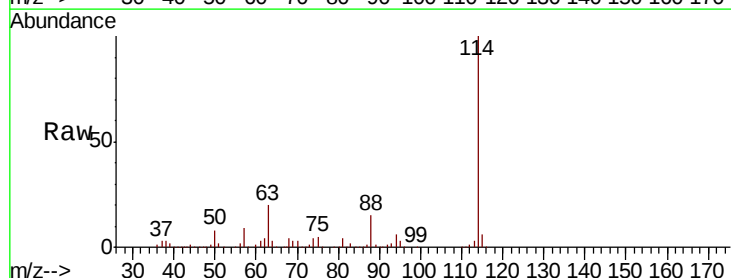
Manual Integrations
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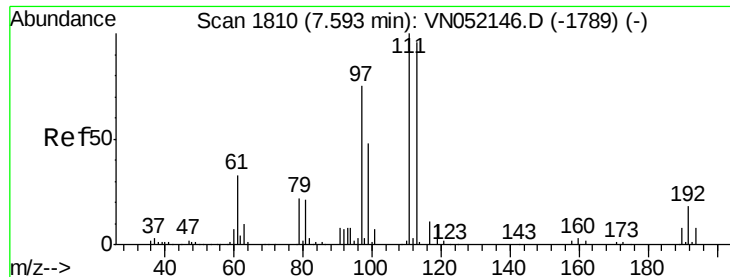
MMDadoda
 11/9/2018 11:49:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	623869		
63	20.1	0.0	40.0	
88	14.7	0.0	31.0	





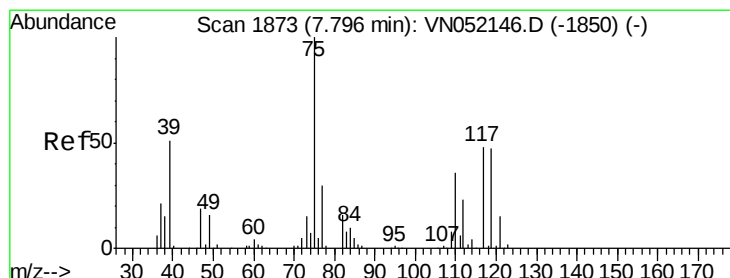
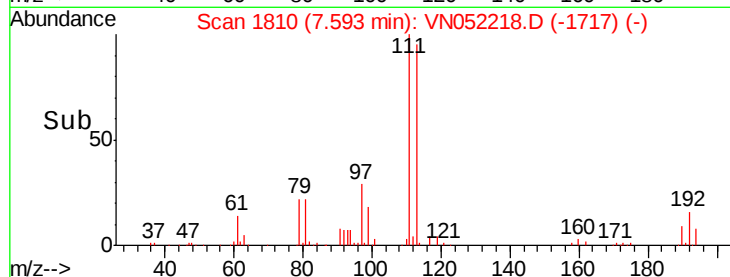
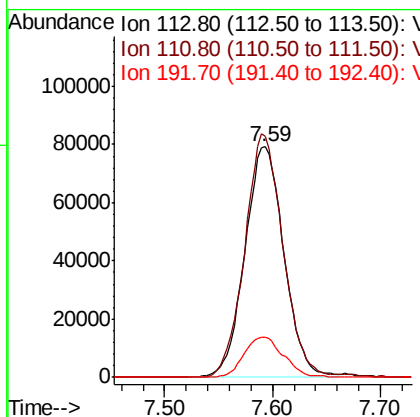
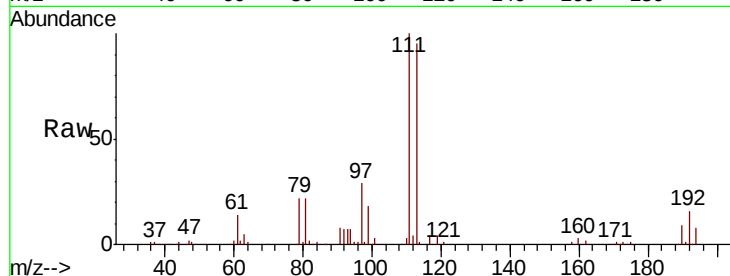
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	199716		
111	102.9		81.7	122.5
192	17.6		14.2	21.4

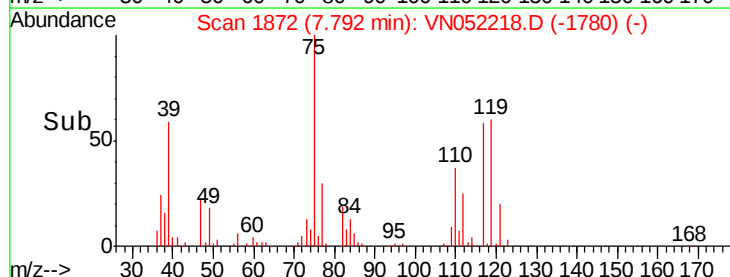
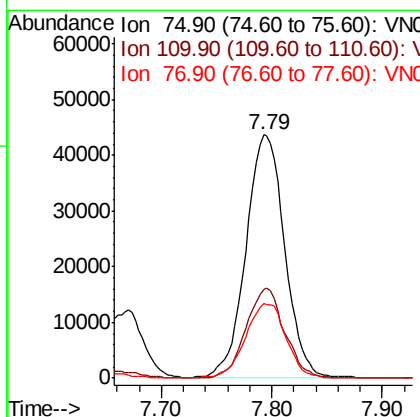
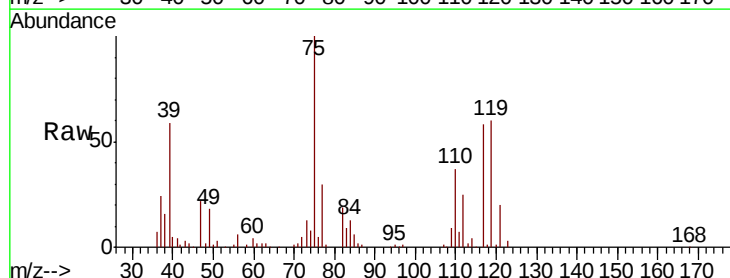
Manual Integrations
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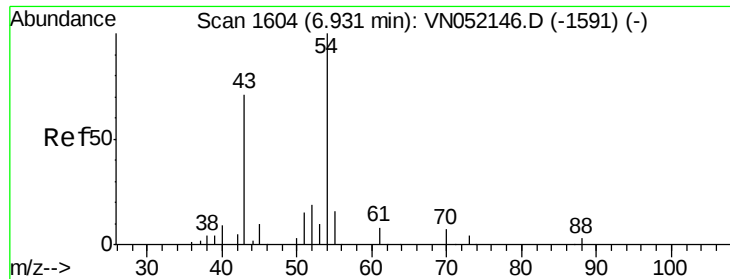
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#36
1,1-Dichloropropene
Concen: 19.240 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106184		
110	36.7		17.8	53.5
77	31.9		24.0	36.0





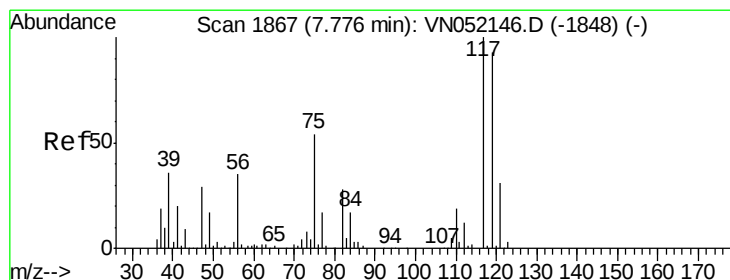
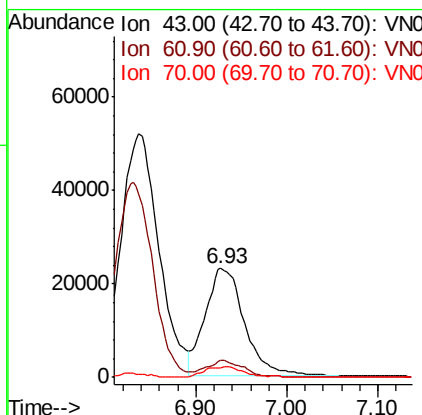
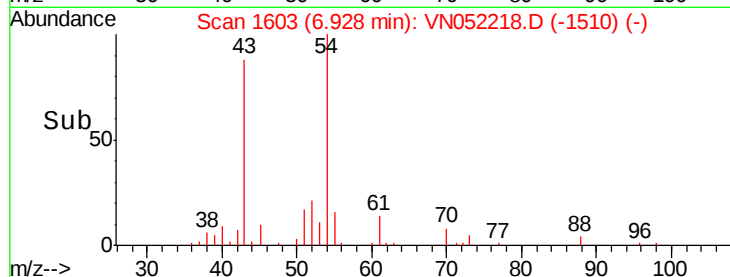
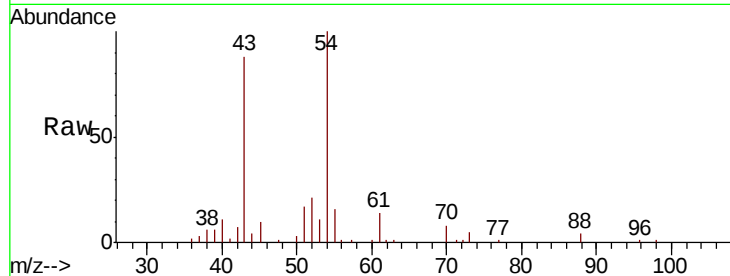
#37
Ethyl Acetate
Concen: 20.293 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampled :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.4	14.2
70	3.2	7.6	11.4

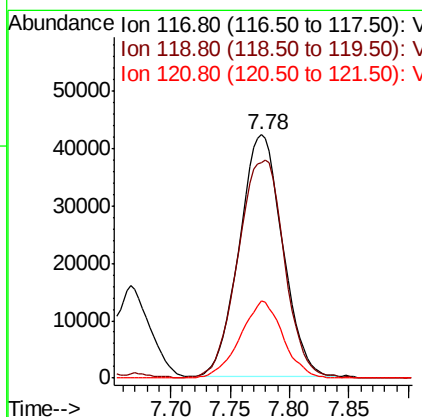
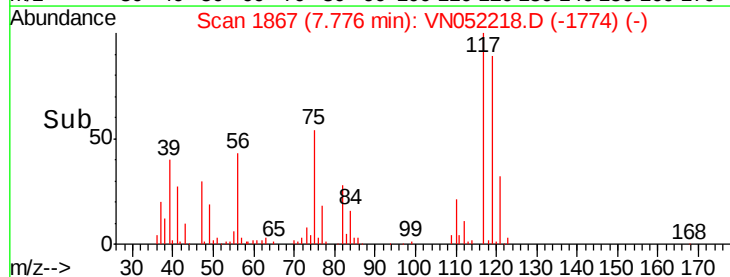
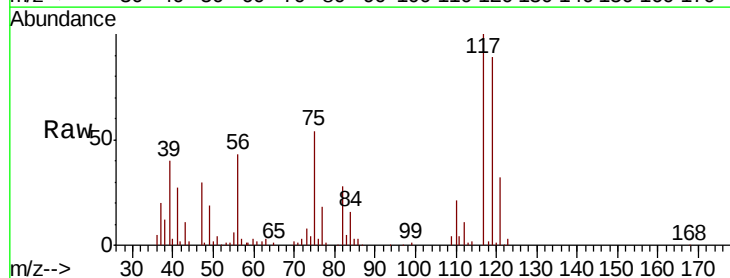
Manual Integrations
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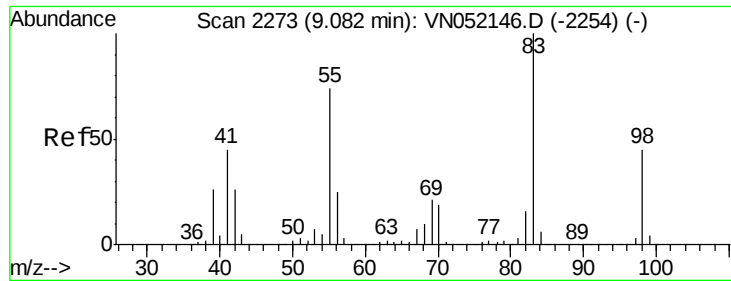
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#38
Carbon Tetrachloride
Concen: 19.256 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.8	74.7	112.1
121	32.0	24.5	36.7





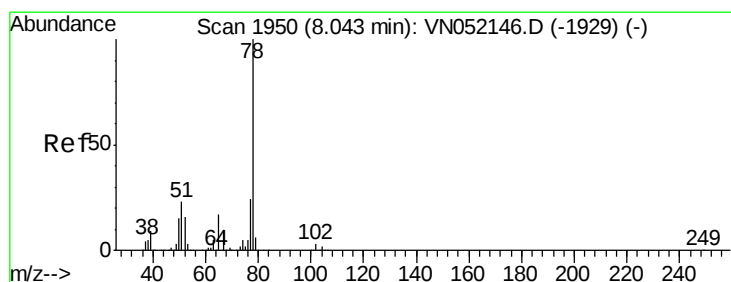
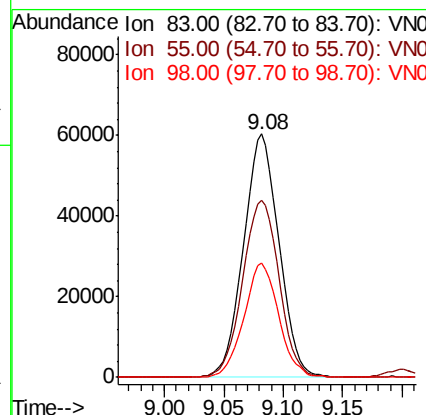
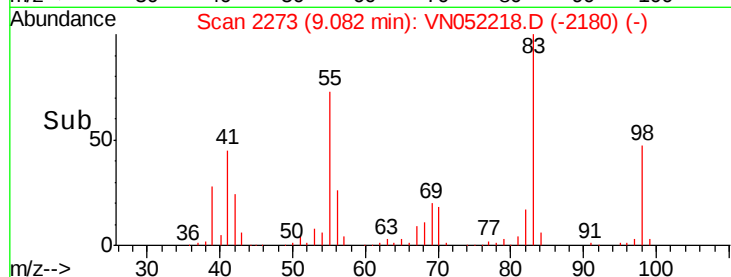
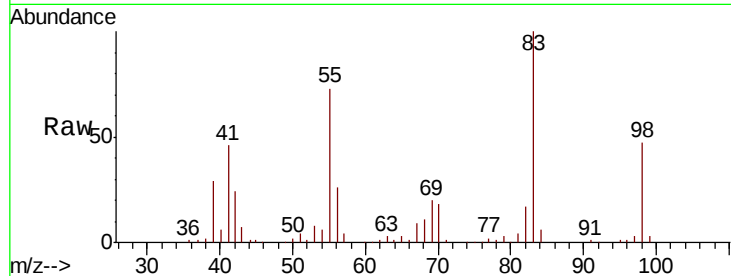
#39
Methvlcvclohexane
Concen: 19.098 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	59.4	89.2
98	46.7	36.3	54.5

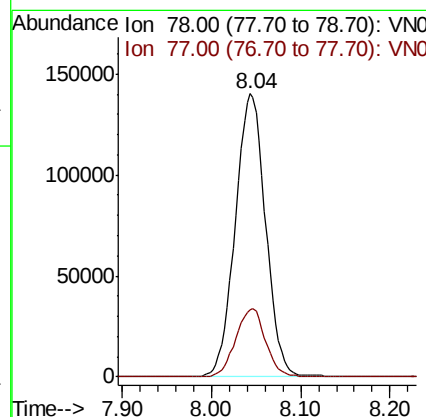
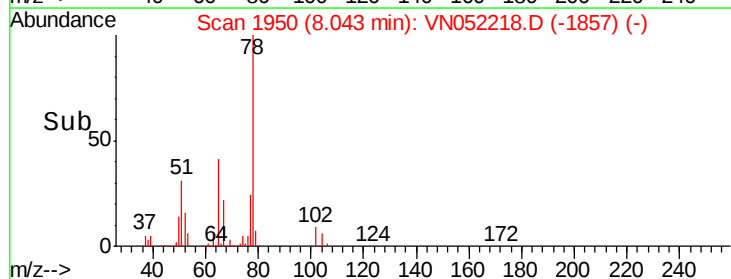
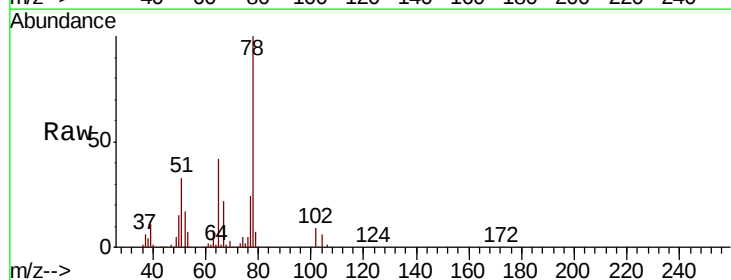
Manual Integrations
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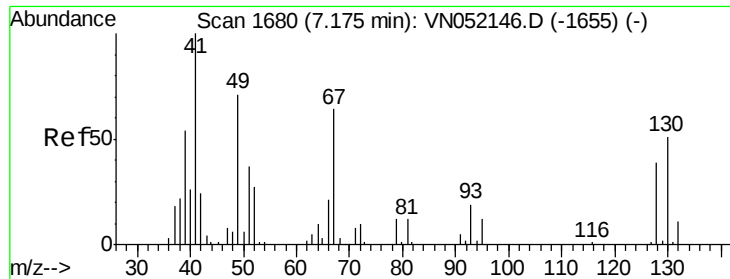
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#40
Benzene
Concen: 20.399 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





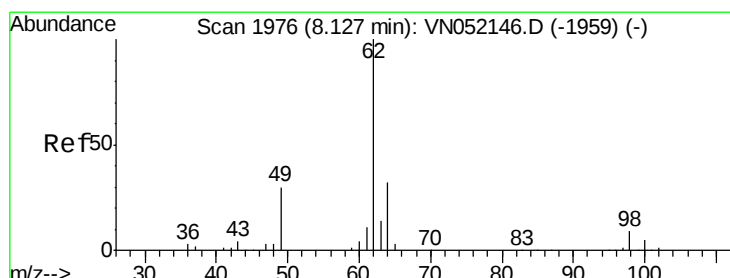
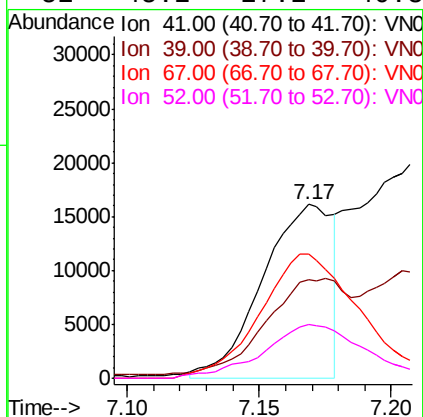
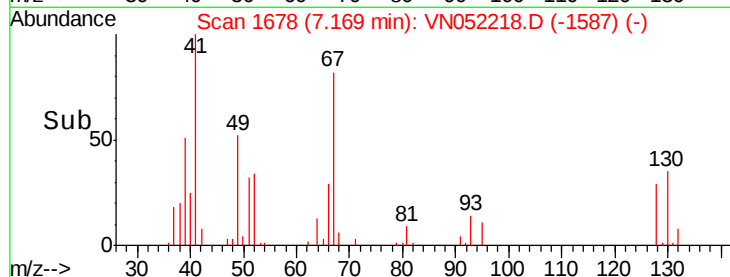
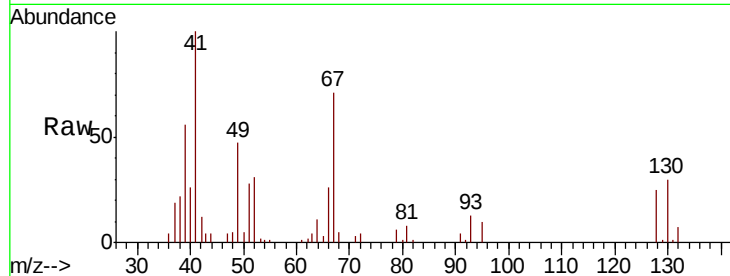
#41
Methacrylonitrile
Concen: 16.604 ug/l m
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.3	49.6	74.4	
67	101.9	65.4	98.2	#
52	45.2	27.2	40.8	#

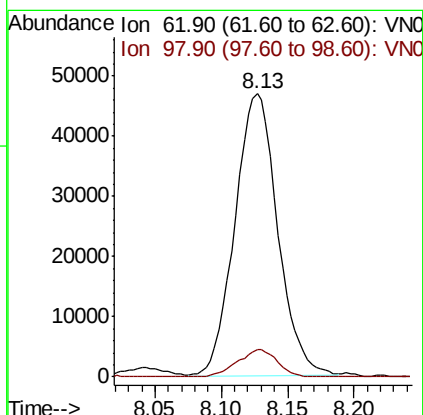
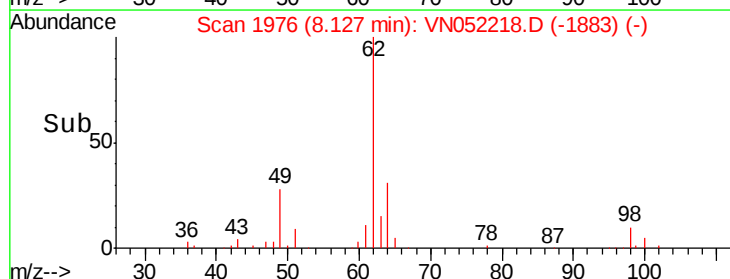
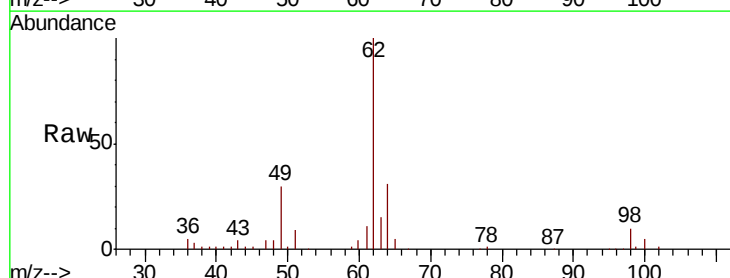
Manual Integrations
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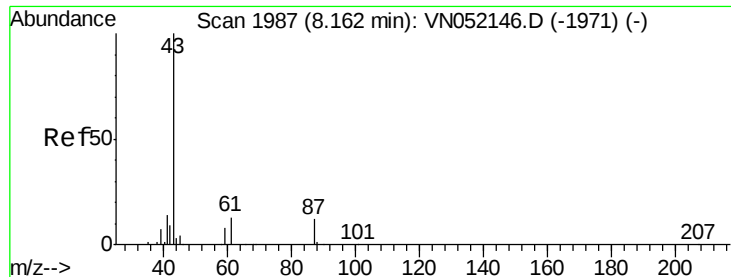
MMDadoda
11/9/2018 11:49:09 AM



#42
1,2-Dichloroethane
Concen: 20.132 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.2	





#43

Isopropyl Acetate

Concen: 19.951 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

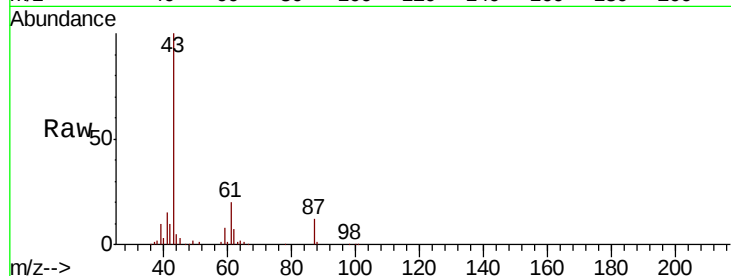
ClientSampleId :

VN1108WBSD01

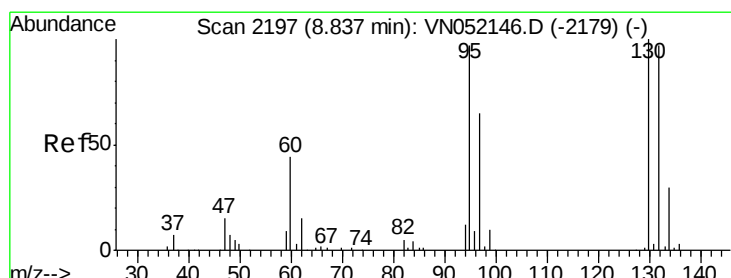
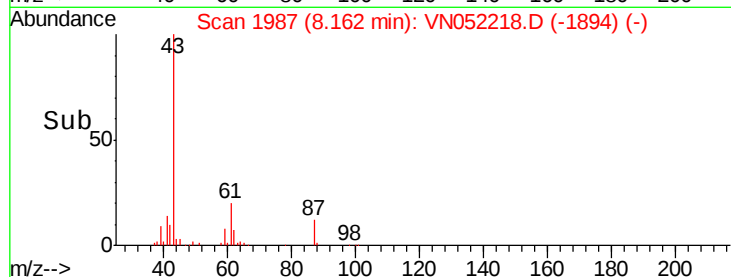
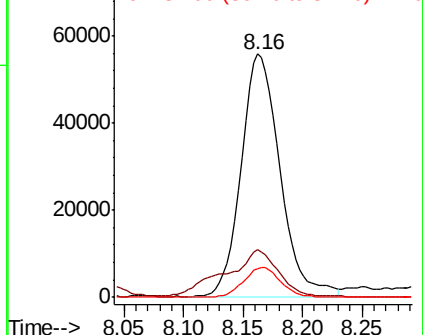
Tot Ion:	43	Resp:	125632
Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.5	32.3
87	11.8	10.2	15.2

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Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1971) (-)



#44

Trichloroethene

Concen: 20.054 ug/l

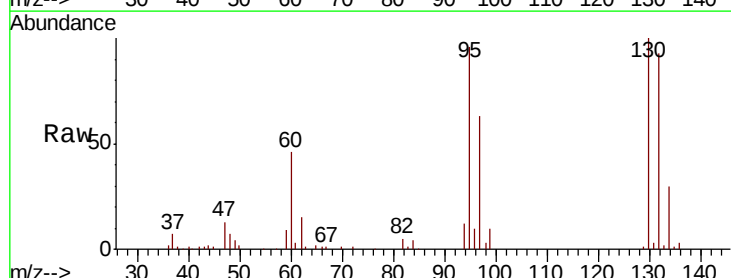
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

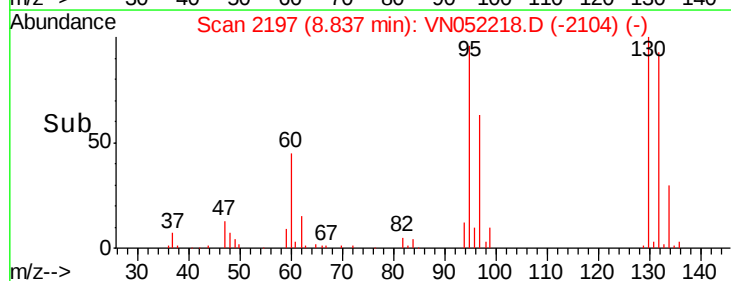
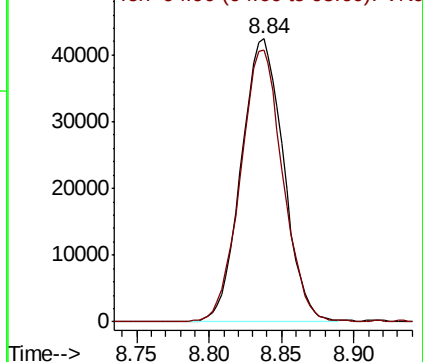
Lab File: VN052218.D

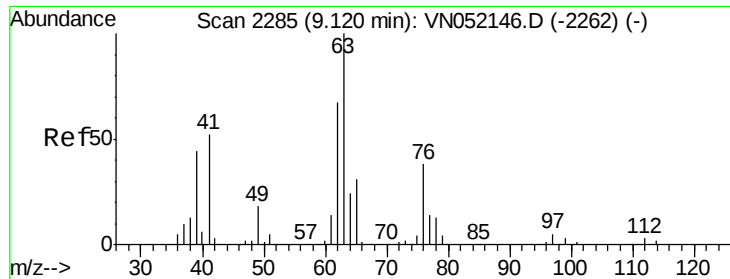
Acq: 8 Nov 2018 12:35

Tgt Ion:	130	Resp:	86141
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	193.8



Abundance Ion 129.80 (129.50 to 130.50): VN052146.D (-2179) (-)





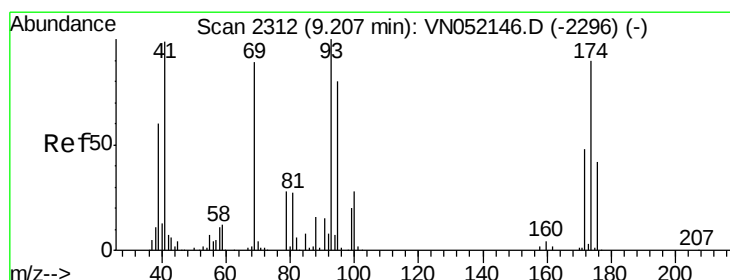
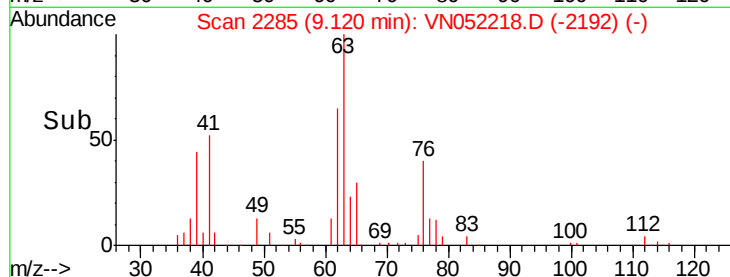
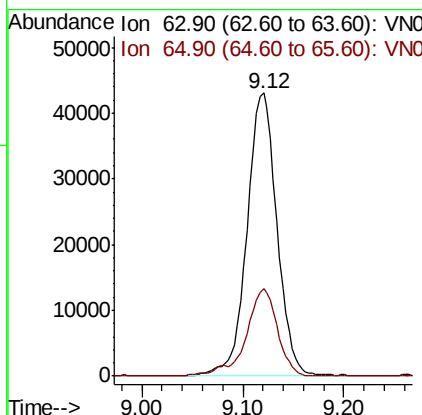
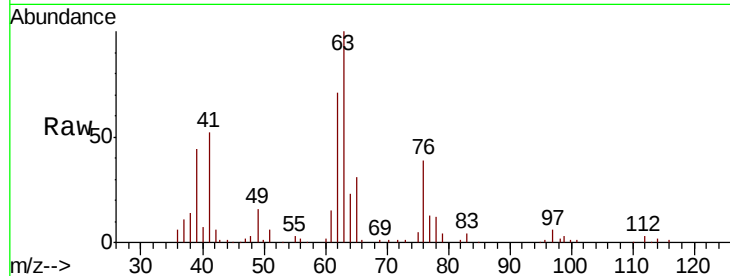
#45
 1,2-Dichloropropane
 Concen: 20.572 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN1108WBSD01

Tot Ion: 63 Resp: 88390
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.4 36.6

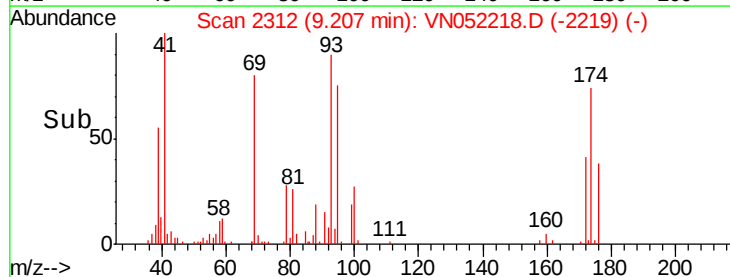
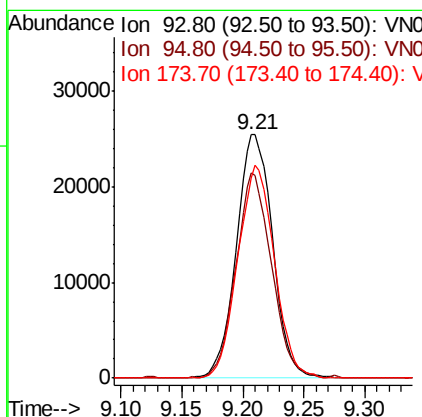
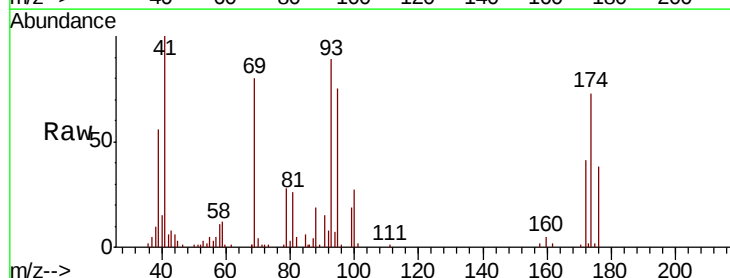
Manual Integrations
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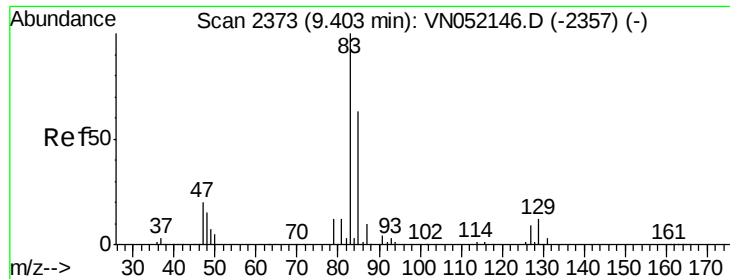
MMDadoda
 11/9/2018 11:49:09 AM



#46
 Dibromomethane
 Concen: 19.168 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion: 93 Resp: 52376
 Ion Ratio Lower Upper
 93 100
 95 82.7 64.5 96.7
 174 87.7 74.6 112.0





#47

Bromodichloromethane

Concen: 19.601 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

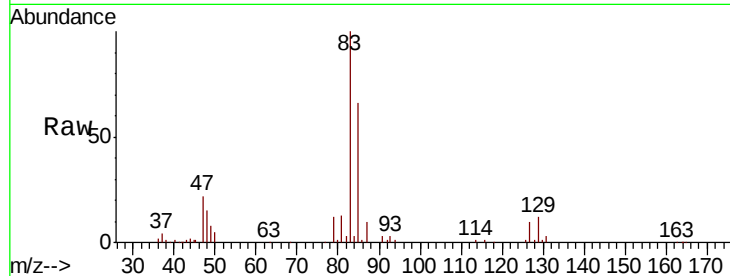
ClientSampleId :

VN1108WBSD01

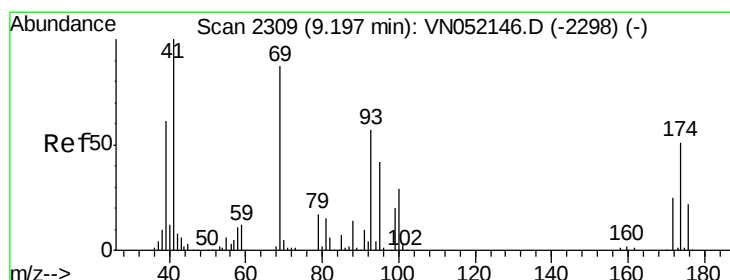
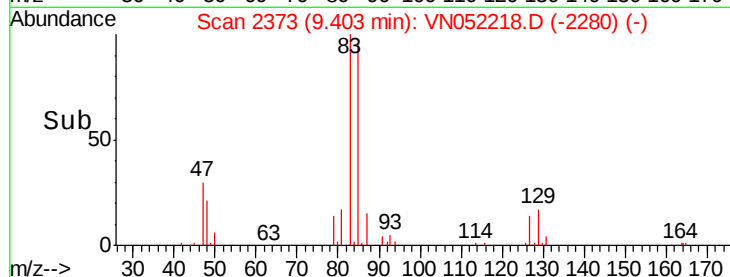
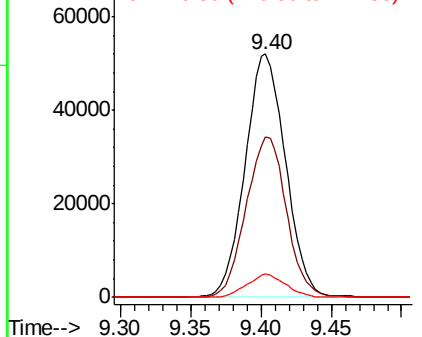
Tot Ion:	83	Resp:	104457
Ion Ratio	Lower	Upper	
83	100		
85	65.7	50.5	75.7
127	9.8	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN052218.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.145 ug/l

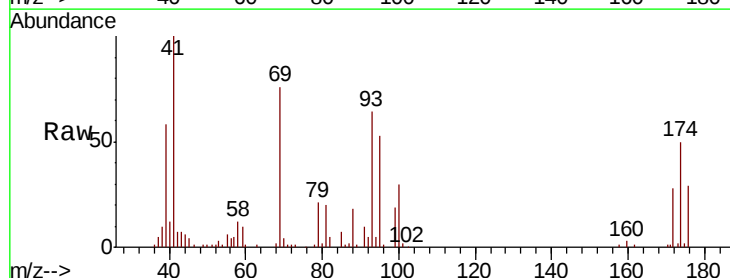
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

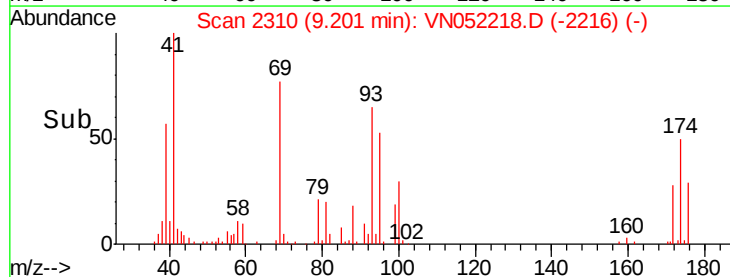
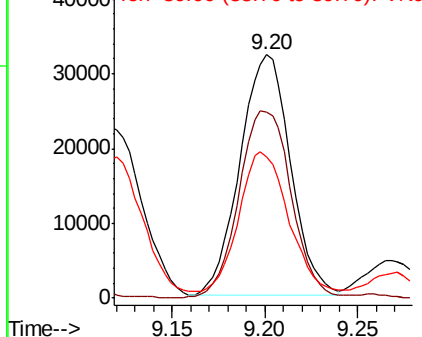
Lab File: VN052218.D

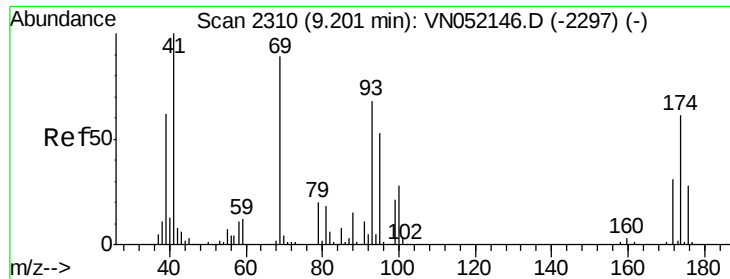
Acq: 8 Nov 2018 12:35

Tgt Ion:	41	Resp:	61054
Ion Ratio	Lower	Upper	
41	100		
69	81.1	69.7	104.5
39	60.5	50.6	76.0



Abundance Ion 41.00 (40.70 to 41.70): VN052218.D (-2216) (-)





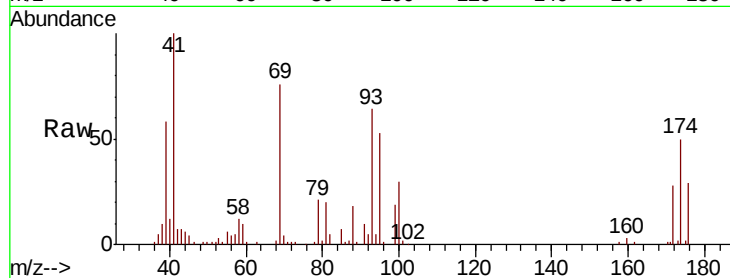
#49
1,4-Dioxane
Concen: 466.385 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	33.0	49.6
58	72.3	58.6	88.0

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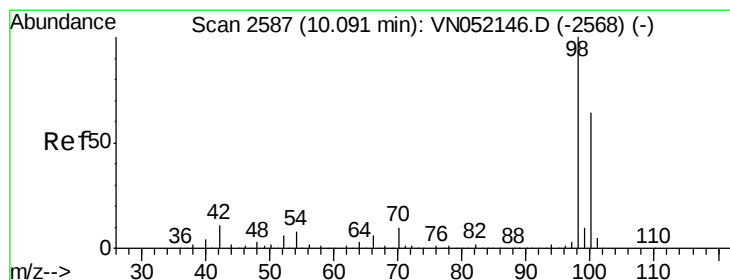
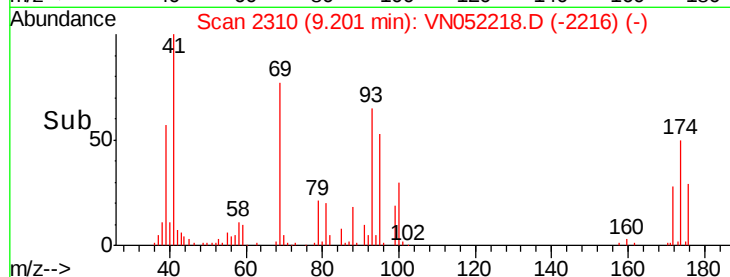
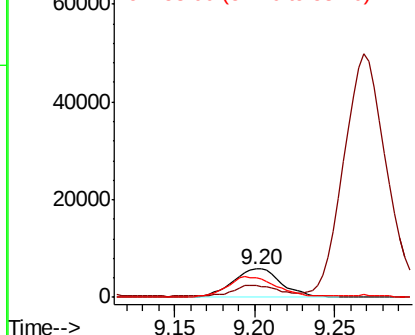


Abundance

Ion 88.00 (87.70 to 88.70): VN052218.D (-2216) (-)

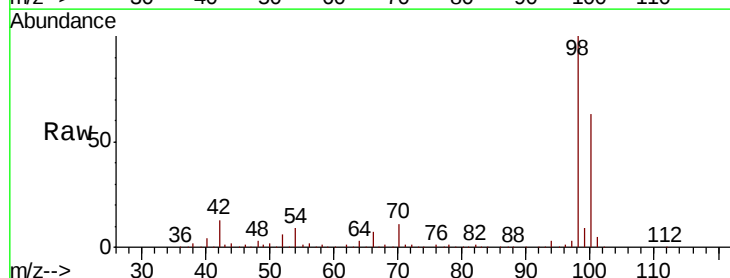
Ion 43.00 (42.70 to 43.70): VN052218.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN052218.D (-2216) (-)



#50
Toluene-d8
Concen: 466.385 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

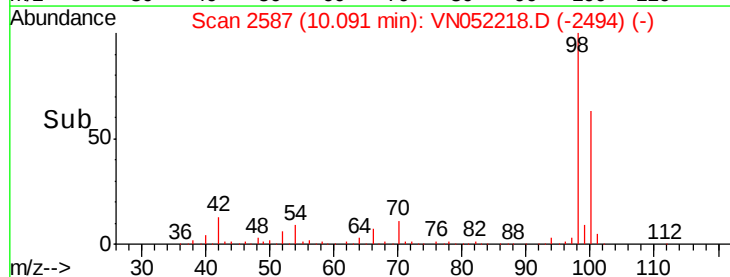
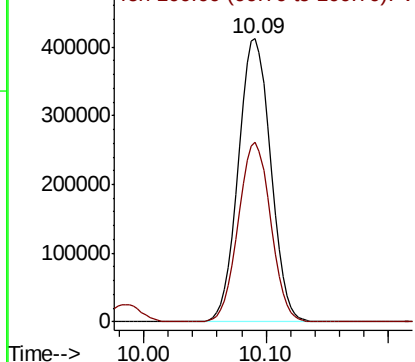
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.5	75.7

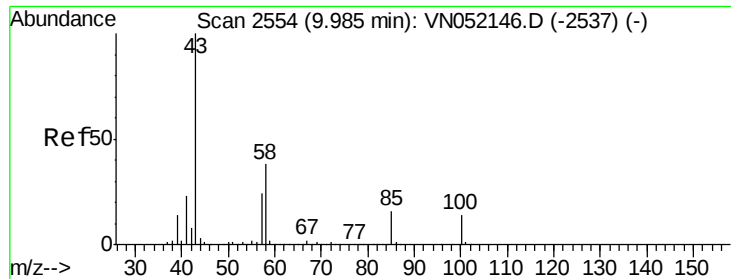


Abundance

Ion 98.00 (97.70 to 98.70): VN052218.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052218.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 101.685 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD01

Tot Ion: 43 Resp: 338286

Ion Ratio Lower Upper

43 100

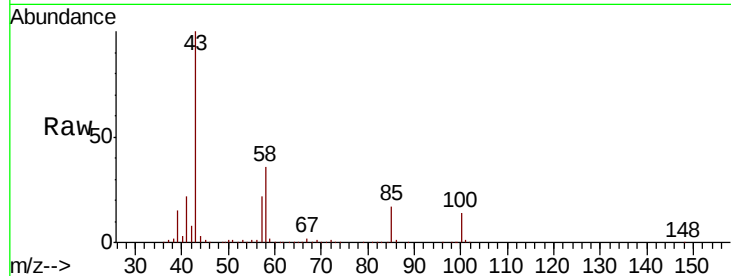
58 36.3 29.6 44.4

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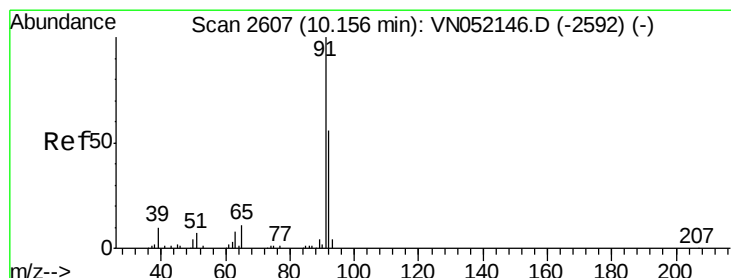
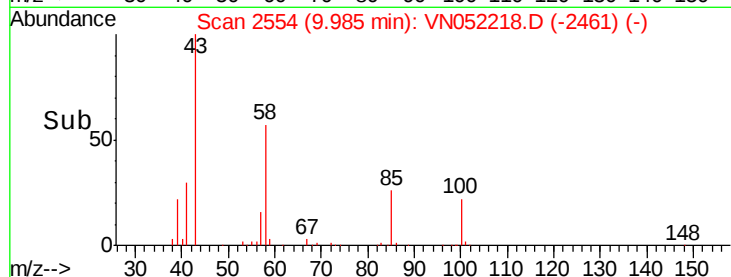
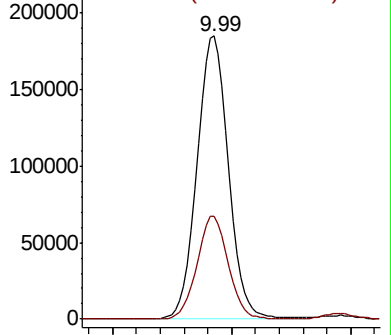
MMDadoda

11/9/2018 11:49:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.185 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052218.D

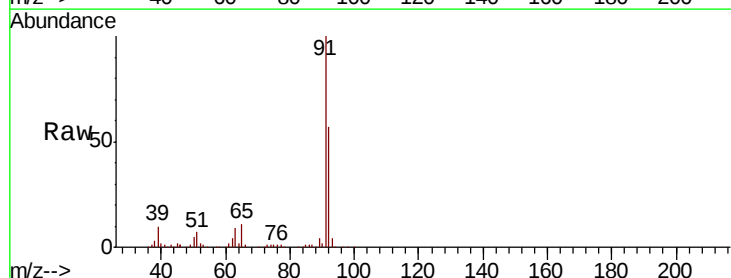
Acq: 8 Nov 2018 12:35

Tgt Ion: 92 Resp: 197476

Ion Ratio Lower Upper

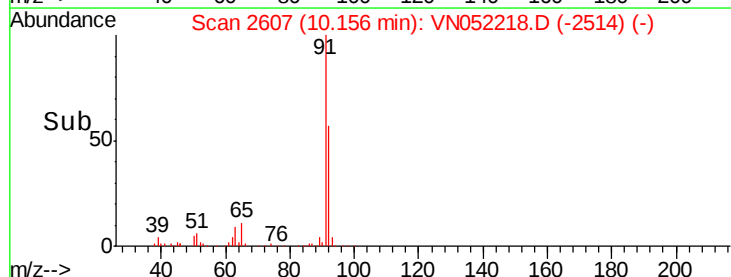
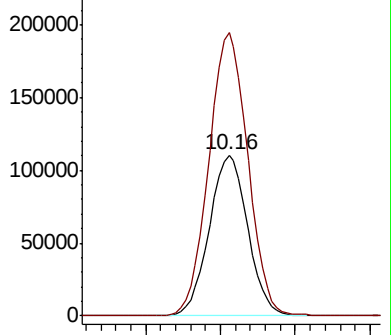
92 100

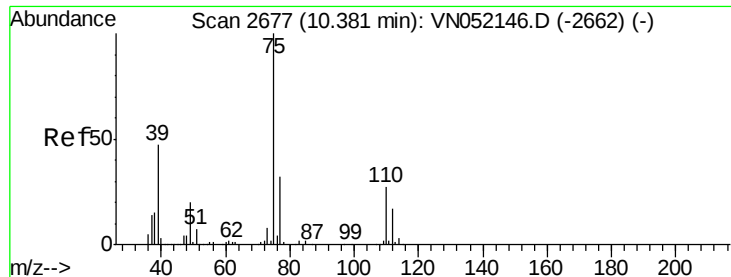
91 178.4 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





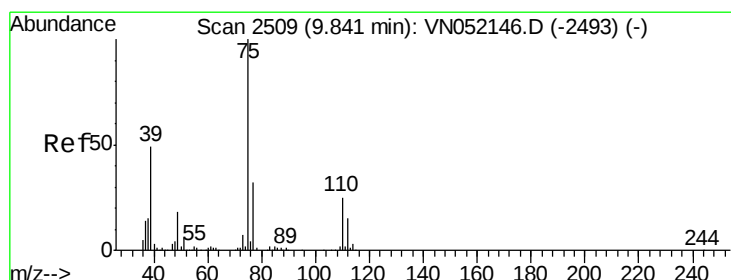
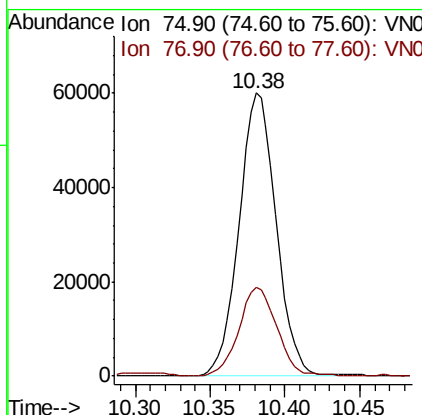
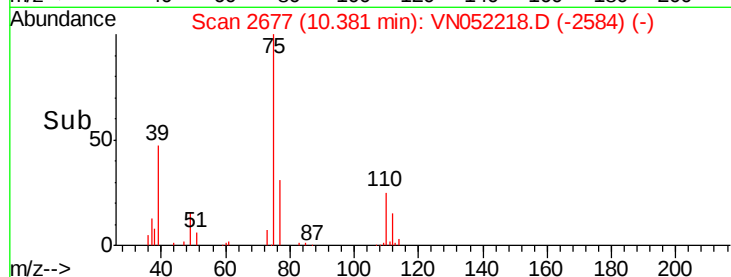
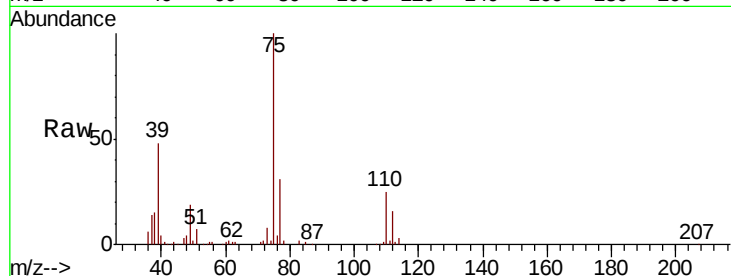
#53
t-1,3-Dichloropropene
Concen: 19.786 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6

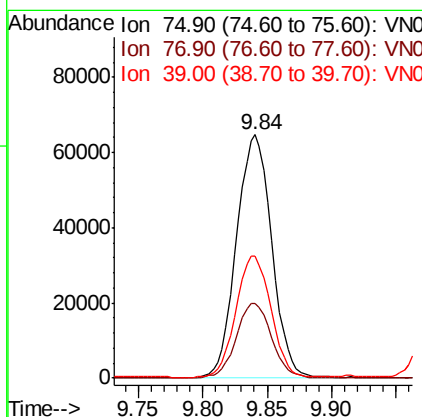
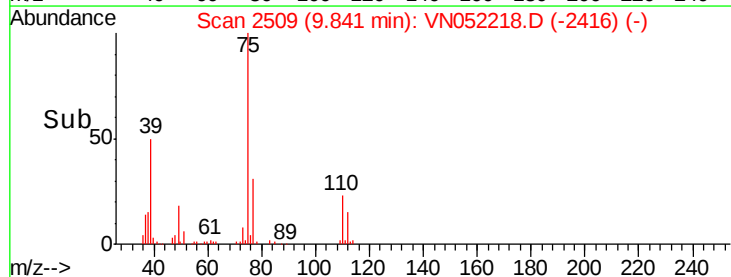
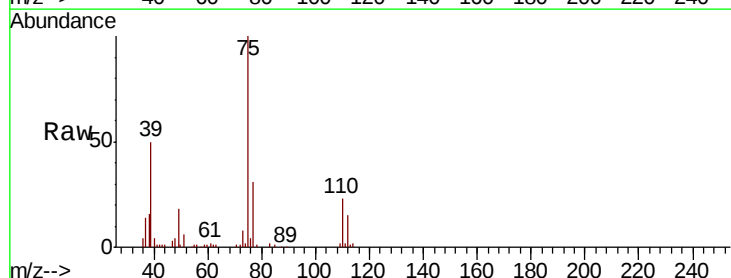
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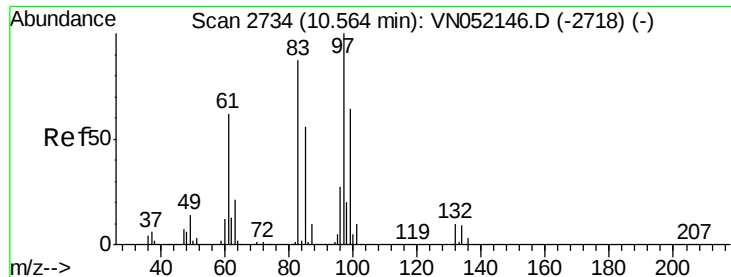
MMDadoda
11/9/2018 11:49:09 AM



#54
cis-1,3-Dichloropropene
Concen: 20.166 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.8
39	49.5	39.2	58.8





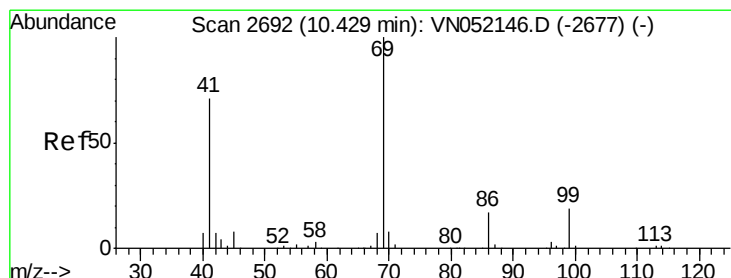
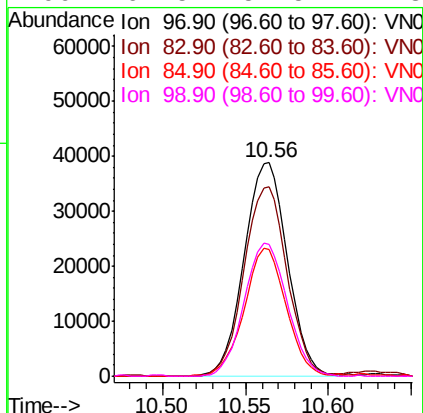
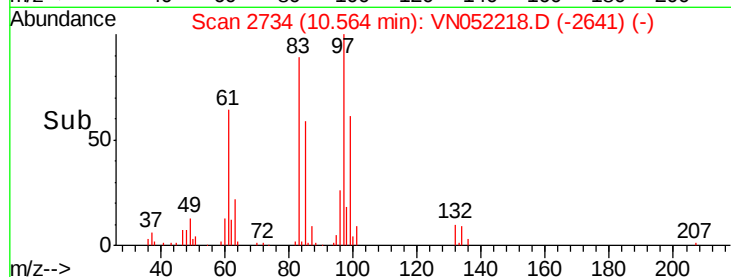
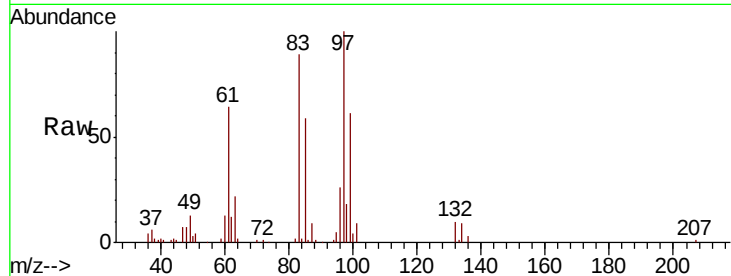
#55
 1,1,2-Trichloroethane
 Concen: 20.447 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD01

Tot Ion:	97	Resp:	70528
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.3	103.9
85	59.3	44.9	67.3
99	61.5	51.5	77.3

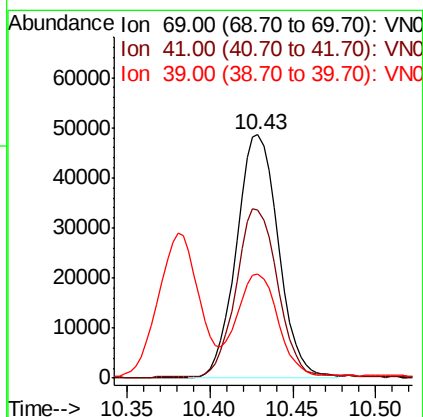
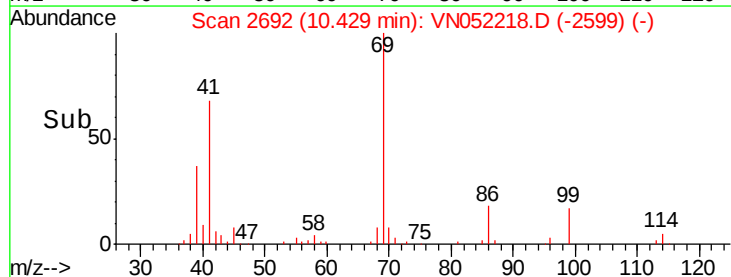
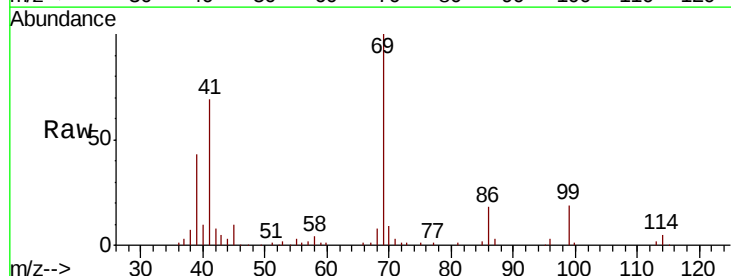
Manual Integrations
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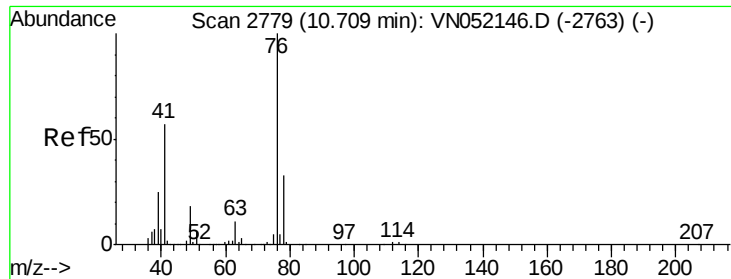
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 11/9/2018 11:49:09 AM



#56
 Ethyl methacrylate
 Concen: 19.085 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion:	69	Resp:	85810
Ion	Ratio	Lower	Upper
69	100		
41	69.1	55.4	83.0
39	40.7	32.0	48.0





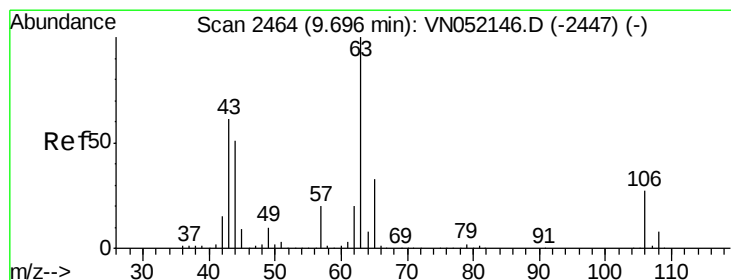
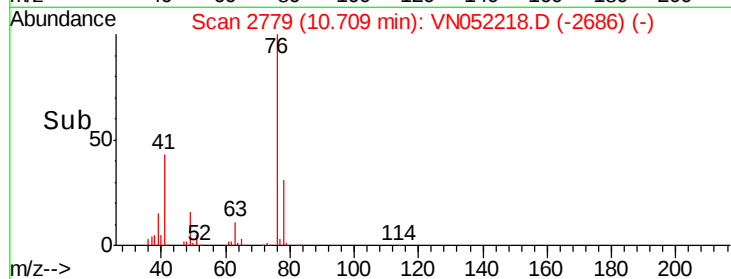
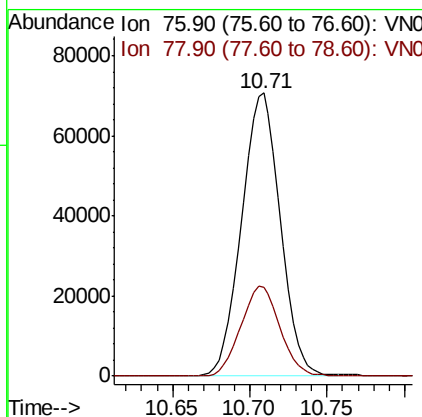
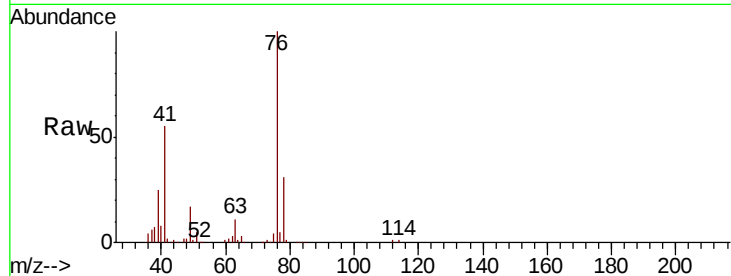
#57
 1,3-Dichloropropane
 Concen: 20.264 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

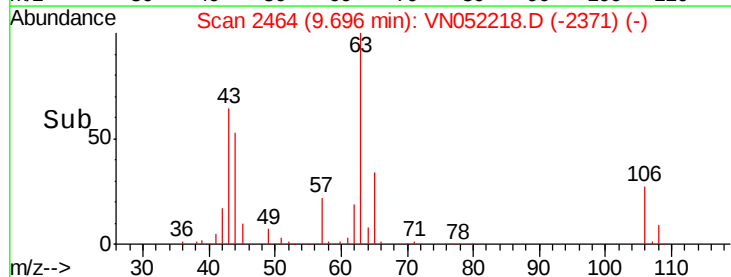
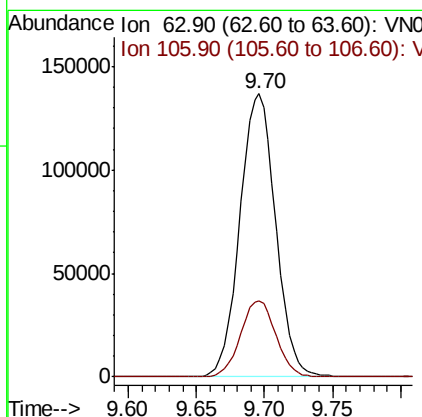
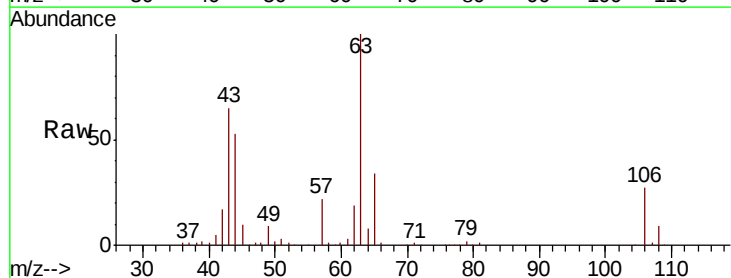
Manual Integrations
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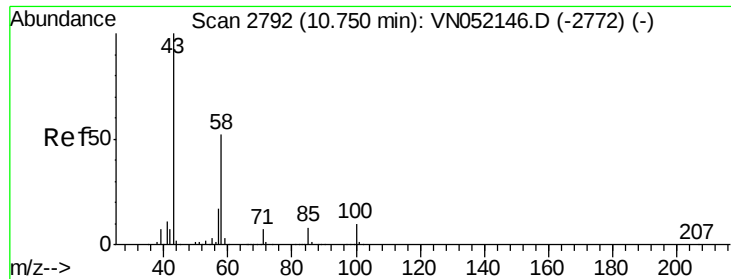
MMDadoda
 11/9/2018 11:49:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.674 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.0	31.4





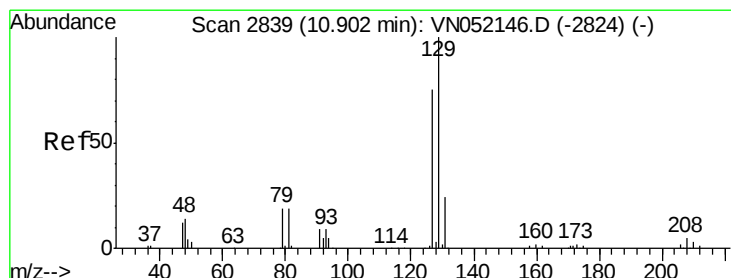
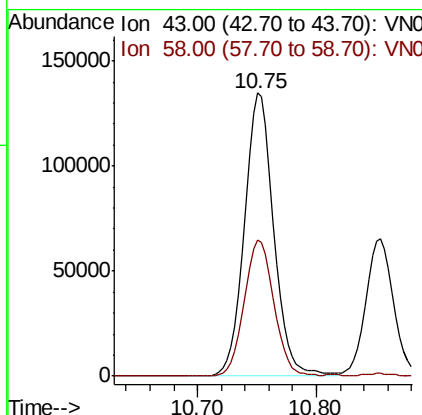
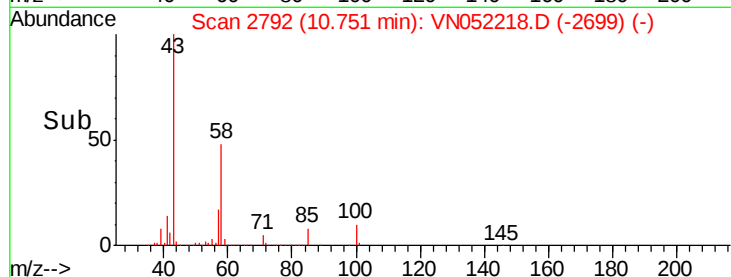
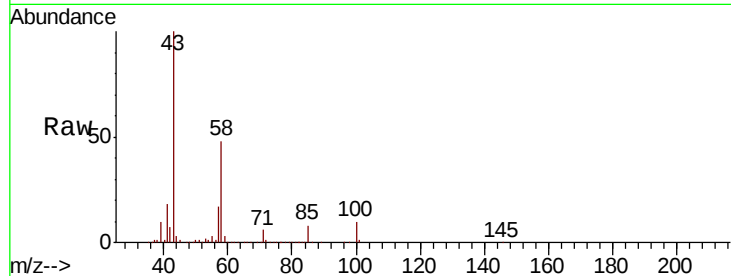
#59
2-Hexanone
Concen: 99.165 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion: 43 Resp: 229653
Ion Ratio Lower Upper
43 100
58 48.7 25.8 77.4

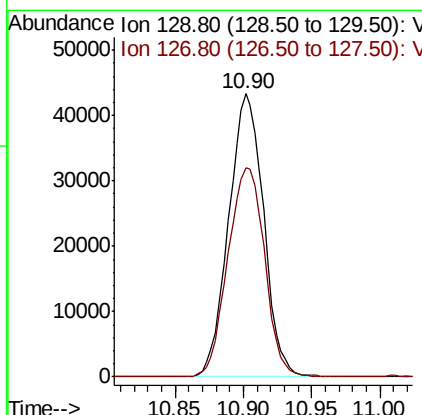
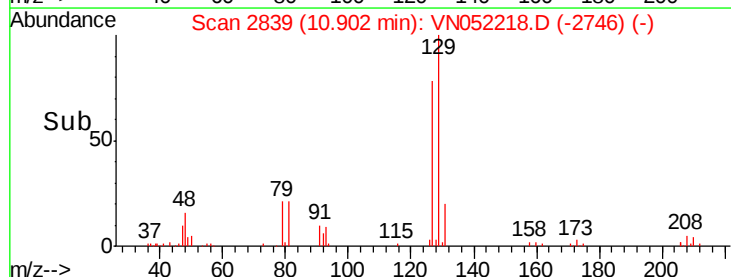
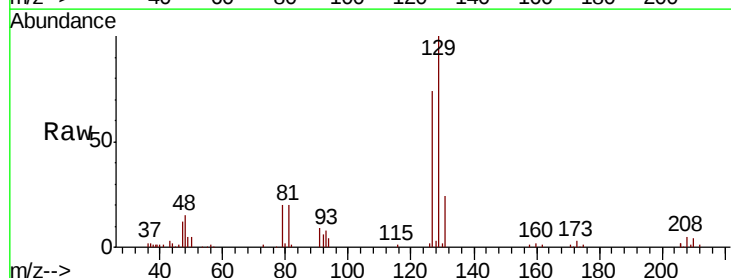
Manual Integrations
APPROVED

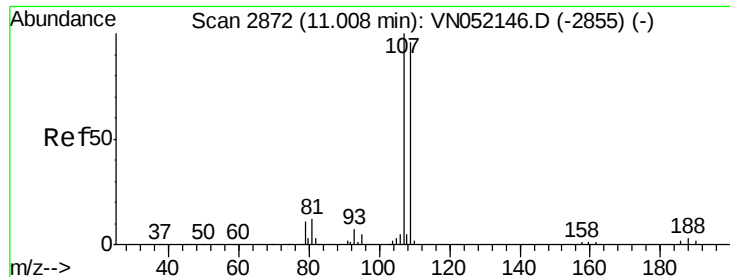
MMDadoda
11/9/2018 11:49:09 AM



#60
Dibromochloromethane
Concen: 19.648 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion: 129 Resp: 77071
Ion Ratio Lower Upper
129 100
127 77.6 38.0 114.1





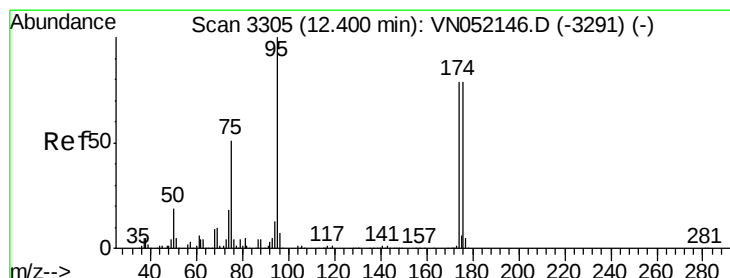
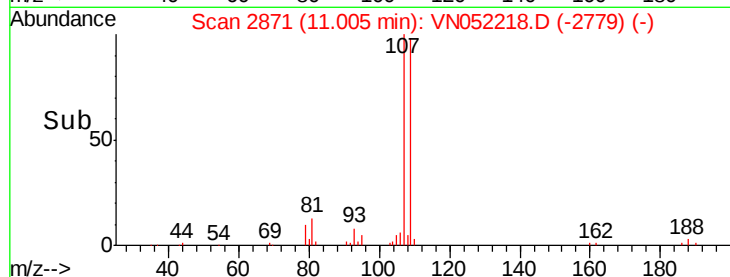
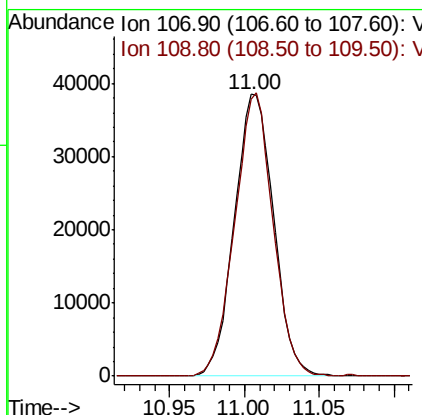
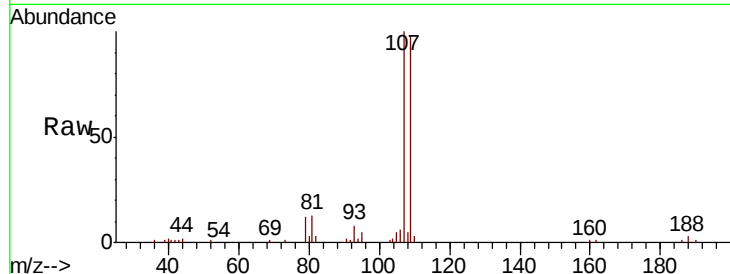
#61
 1,2-Dibromoethane
 Concen: 20.091 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD01

Tot Ion: 107 Resp: 70346
 Ion Ratio Lower Upper
 107 100
 109 97.7 76.0 114.0

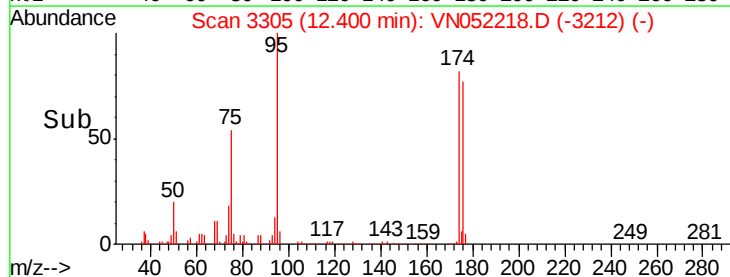
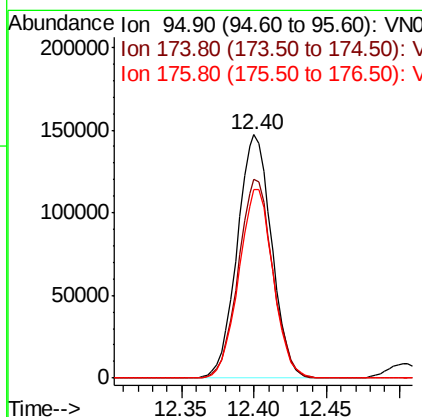
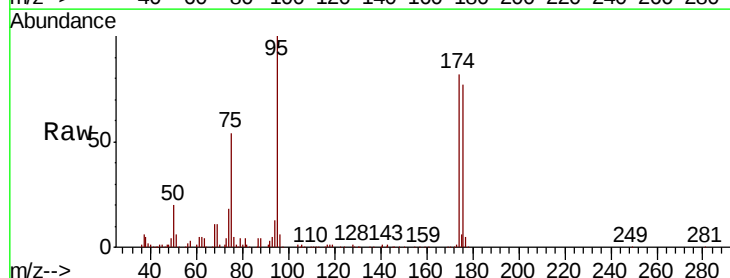
Manual Integrations
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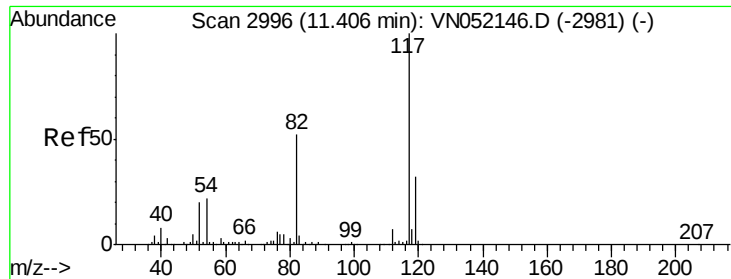
MMDadoda
 11/9/2018 11:49:09 AM



#62
 4-Bromofluorobenzene
 Concen: 20.091 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion: 95 Resp: 242222
 Ion Ratio Lower Upper
 95 100
 174 81.6 0.0 162.6
 176 77.4 0.0 155.4





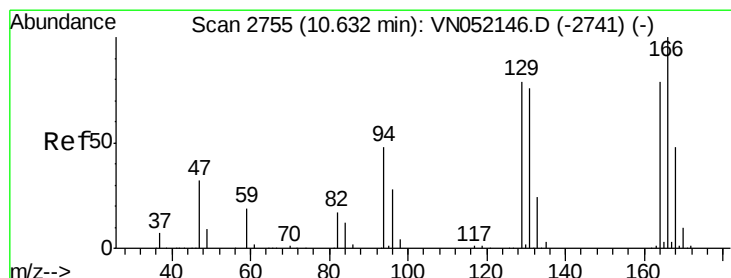
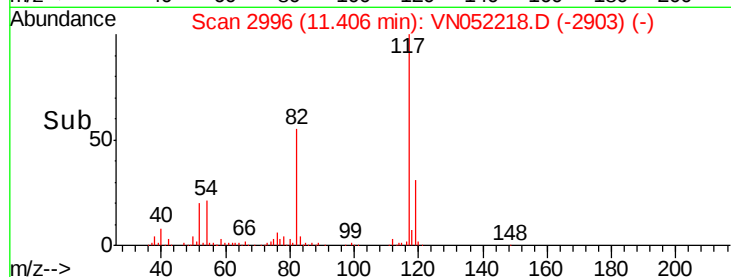
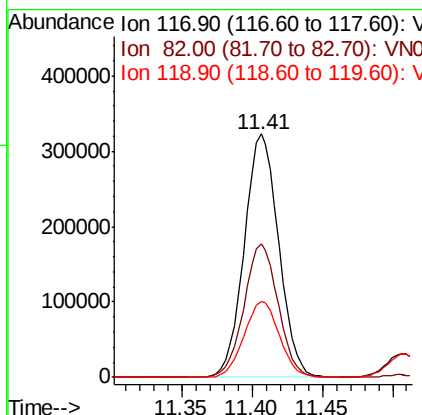
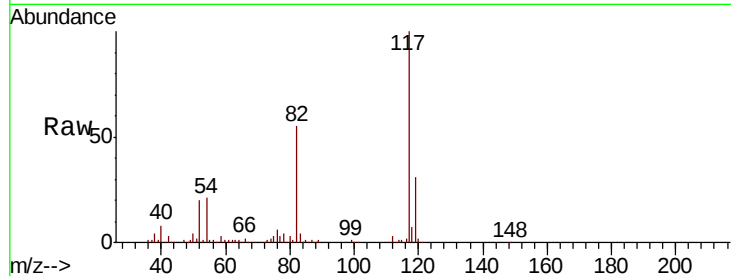
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	552133		
82	54.6		41.9	62.9
119	31.3		25.7	38.5

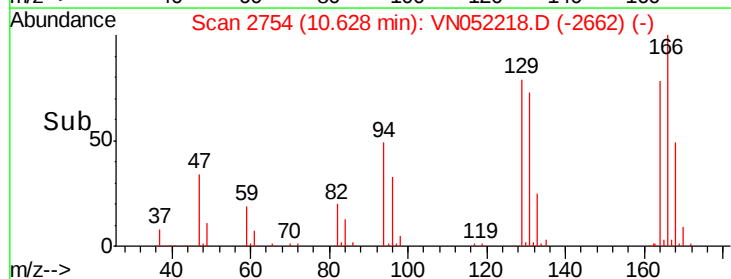
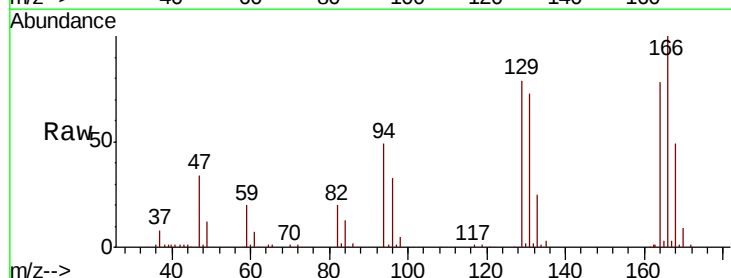
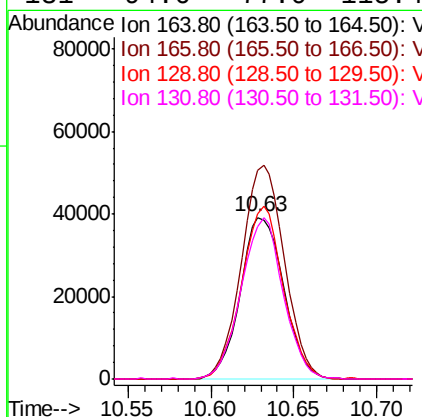
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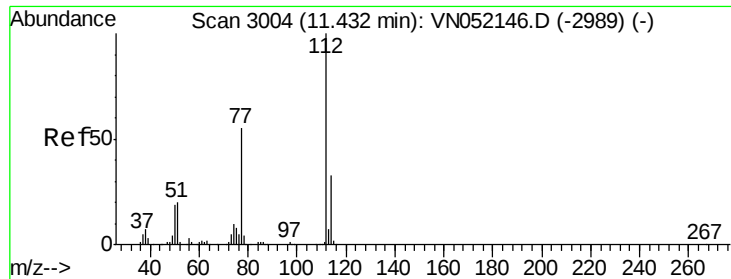
MMDadoda
11/9/2018 11:49:09 AM



#64
Tetrachloroethene
Concen: 19.928 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71282		
166	128.9		100.8	151.2
129	102.0		79.1	118.7
131	94.6		77.0	115.4





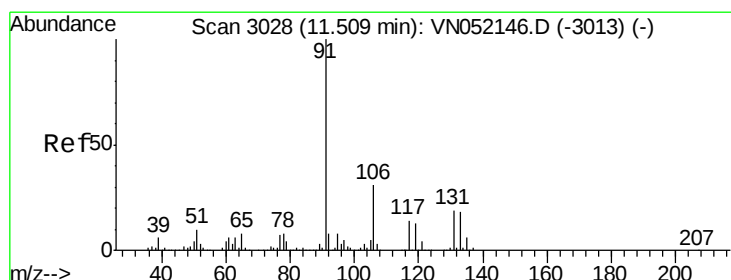
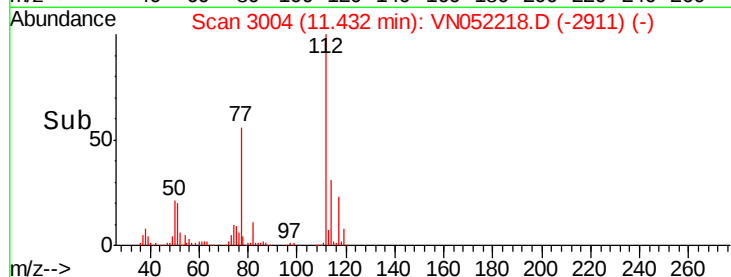
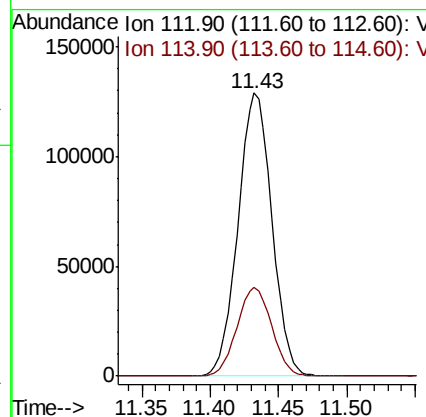
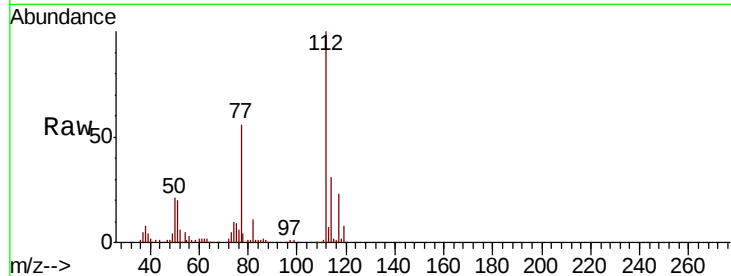
#65
Chlorobenzene
Concen: 19.753 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.2	39.4

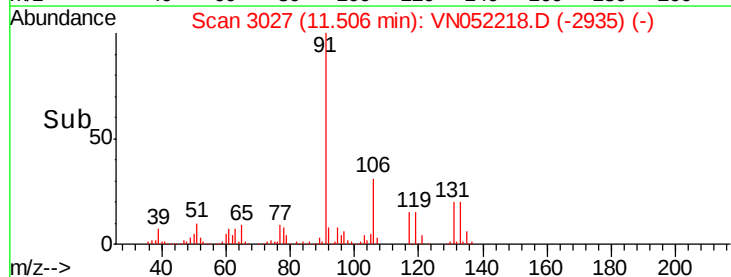
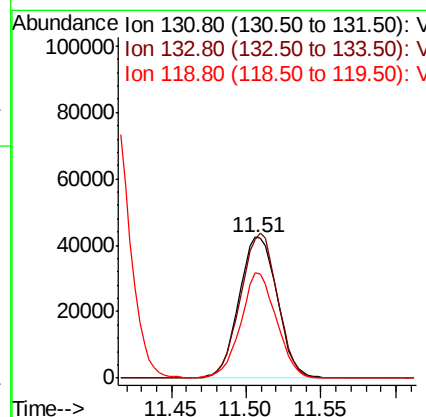
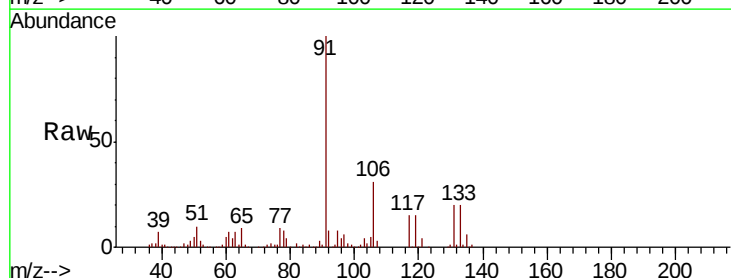
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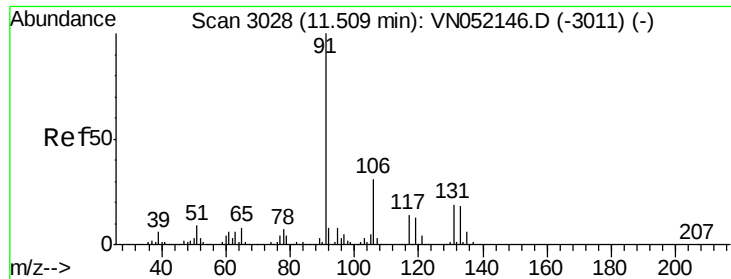
MMDadoda
11/9/2018 11:49:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.099 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.9	46.6	139.8
119	69.5	33.6	100.8





#67

Ethyl Benzene

Concen: 19.975 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

ClientSampled :

VN1108WBSD01

Tot Ion: 91 Resp: 373368

Ion Ratio Lower Upper

91 100

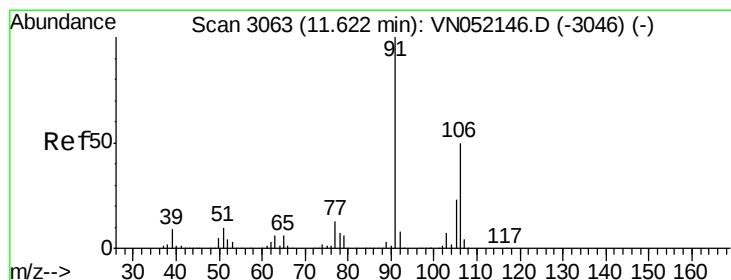
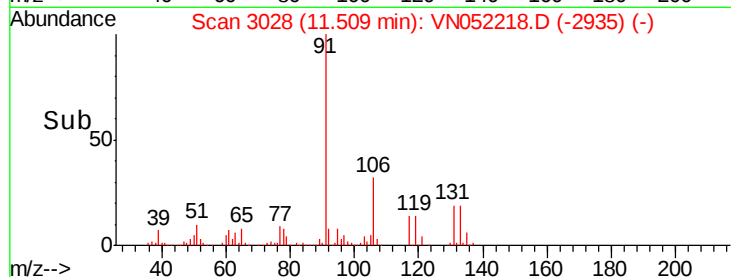
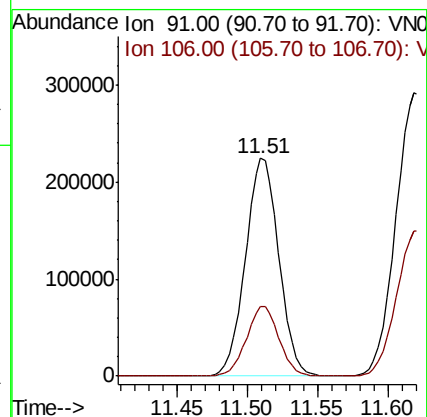
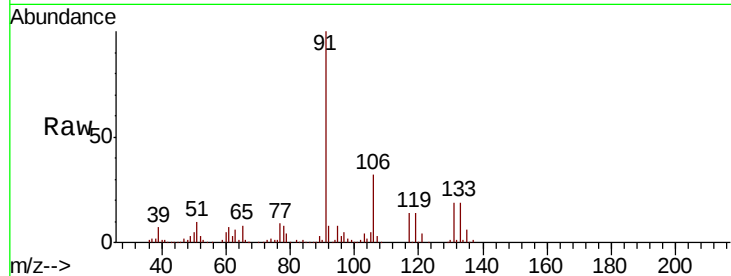
106 31.8 25.1 37.7

Manual Integrations

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11/9/2018 11:49:09 AM



#68

m/p-Xylenes

Concen: 40.363 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052218.D

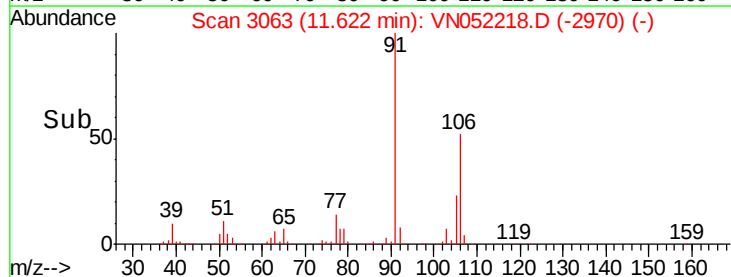
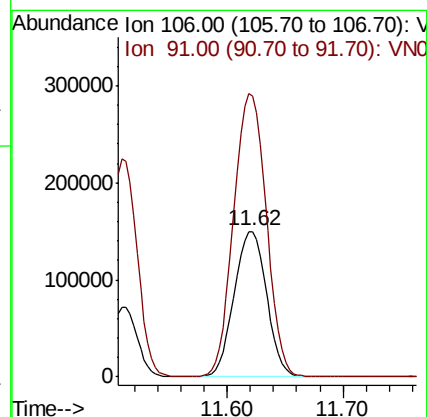
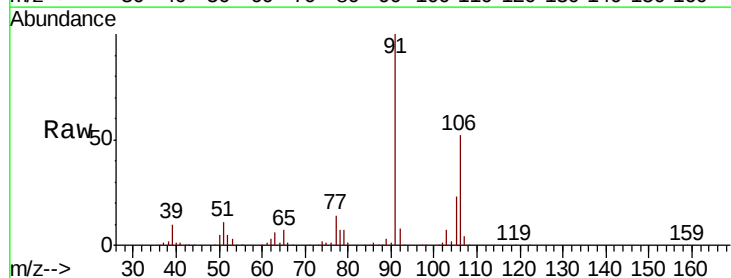
Acq: 8 Nov 2018 12:35

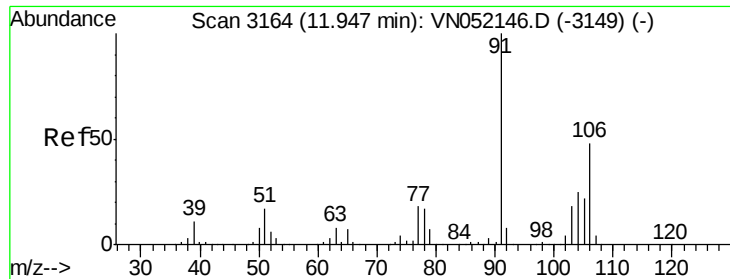
Tgt Ion: 106 Resp: 291110

Ion Ratio Lower Upper

106 100

91 195.8 158.2 237.4





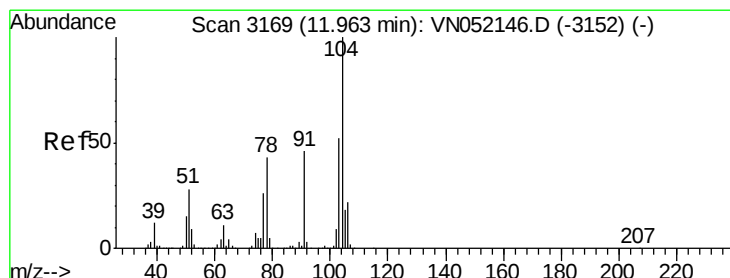
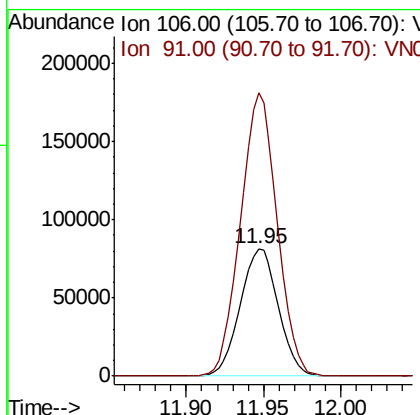
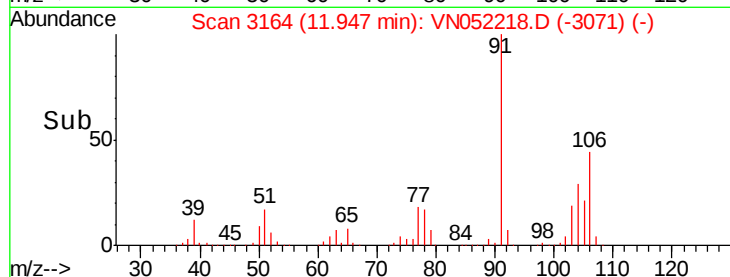
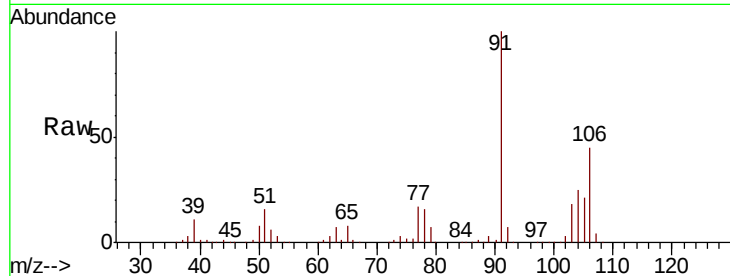
#69
o-Xylene
Concen: 19.912 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion:106 Resp: 139277
Ion Ratio Lower Upper
106 100
91 214.3 104.8 314.3

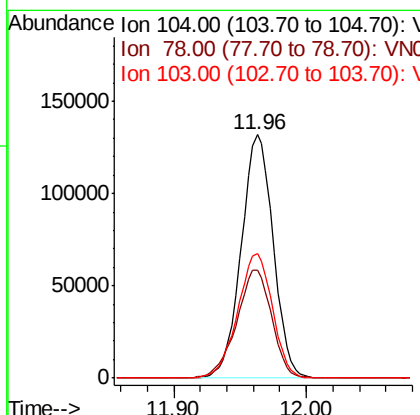
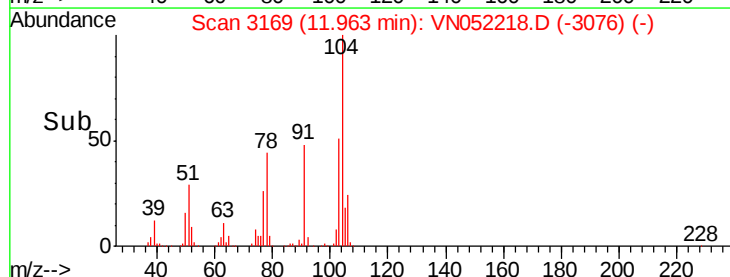
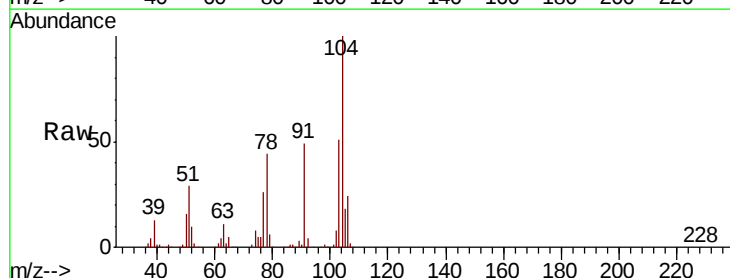
Manual Integrations
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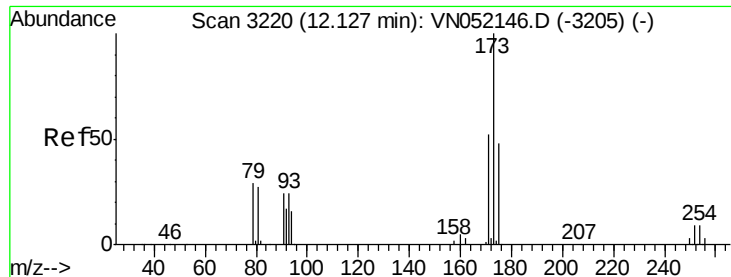
MMDadoda
11/9/2018 11:49:09 AM



#70
Styrene
Concen: 19.961 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion:104 Resp: 221023
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.0
103 55.5 45.1 67.7





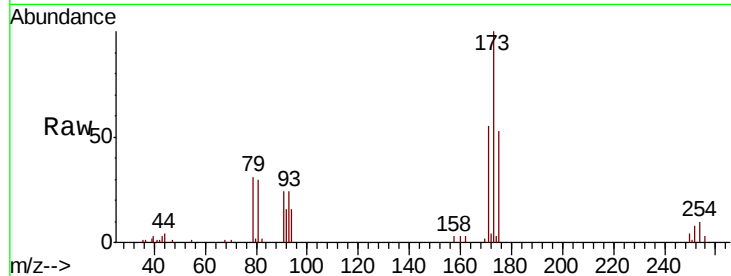
#71
Bromoform
Concen: 18.883 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.8	74.4
254	0.0	0.2	0.2

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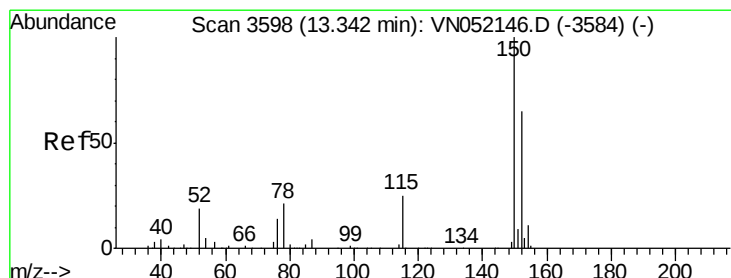
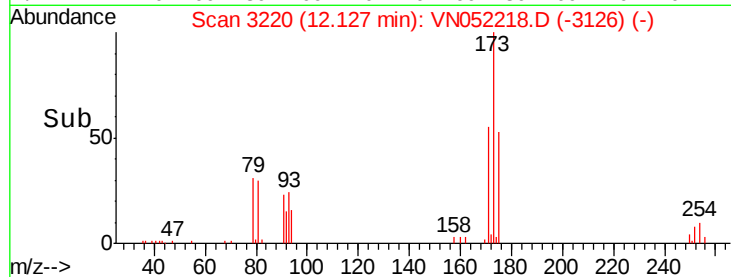
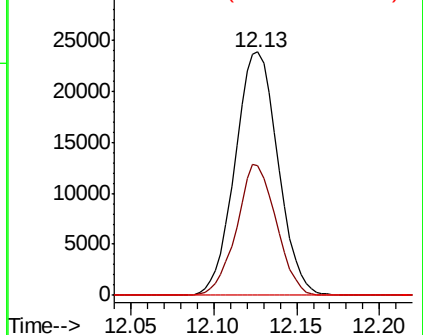


Abundance

Ion 172.70 (172.40 to 173.40): V

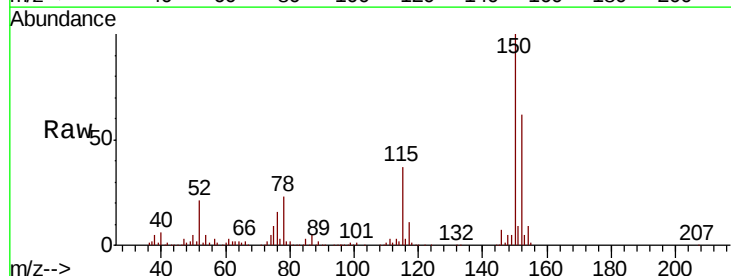
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	28.5	85.5
150	163.2	0.0	348.6

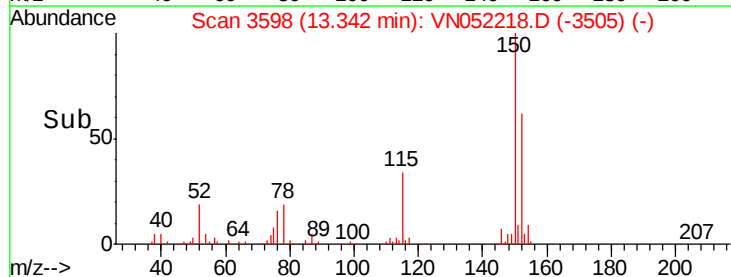
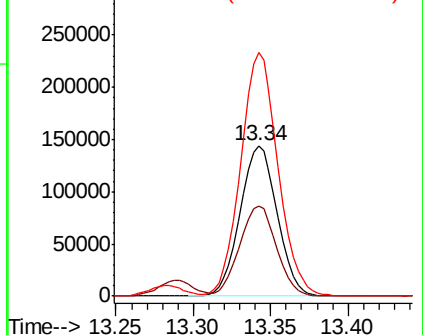


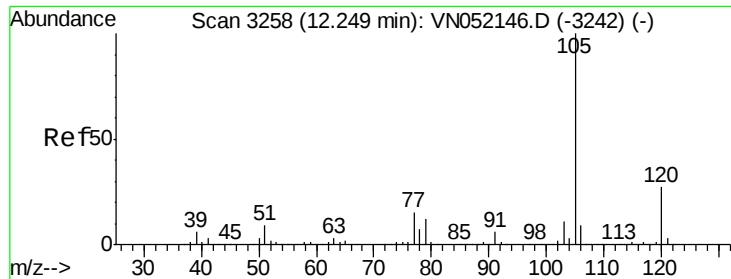
Abundance

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: 20.604 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD01

Tot Ion: 105 Resp: 373314

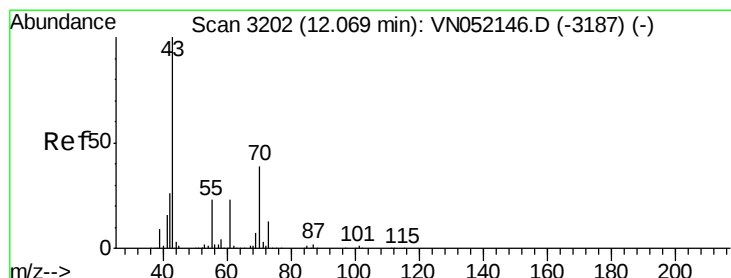
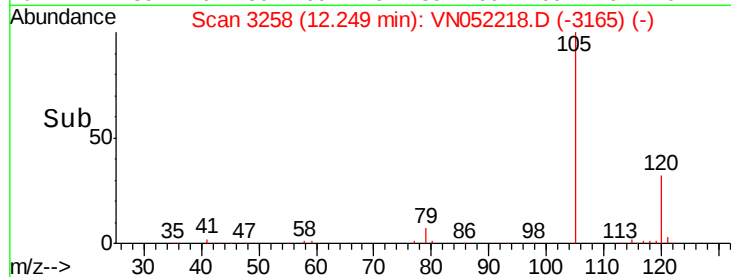
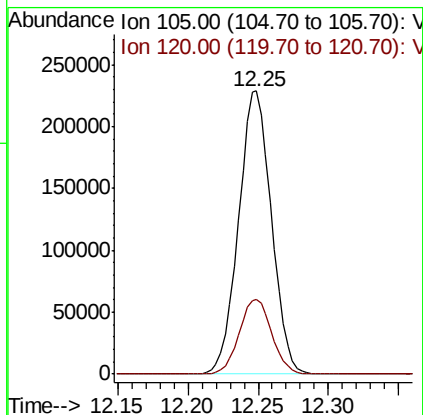
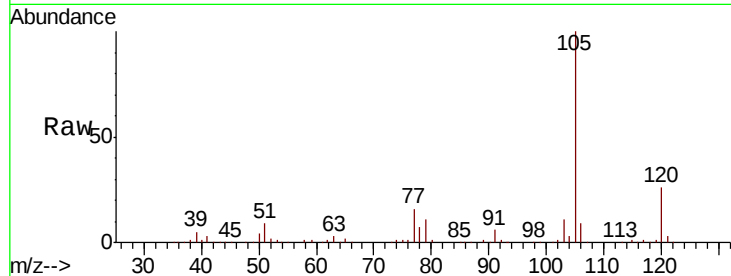
Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9

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#74

N-ethyl acetate

Concen: 19.360 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Tgt Ion: 43 Resp: 104088

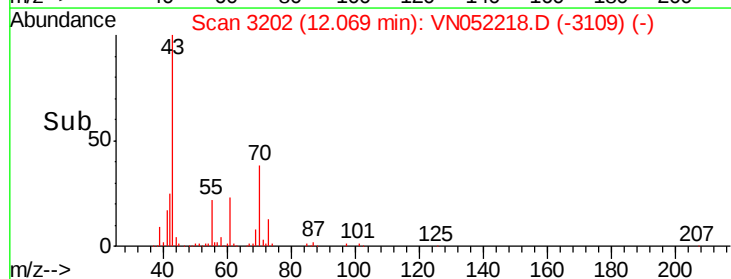
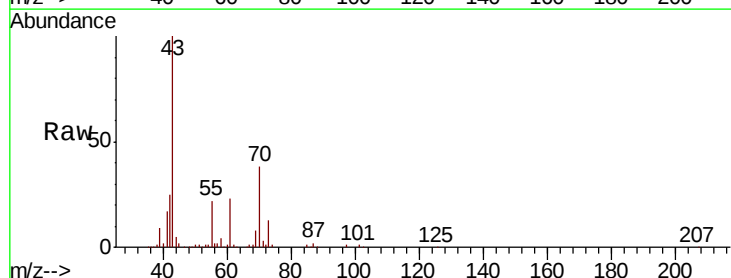
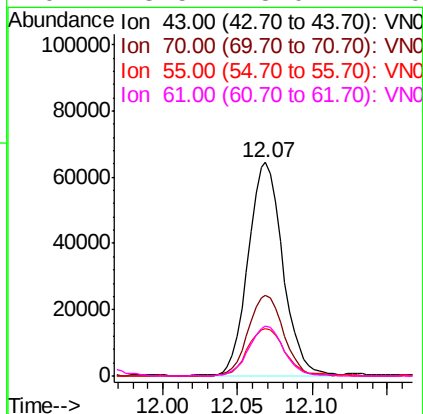
Ion Ratio Lower Upper

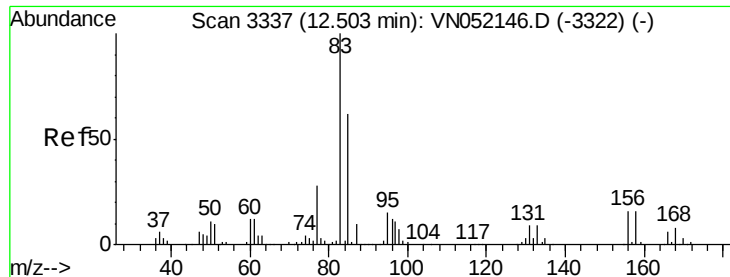
43 100

70 38.4 31.1 46.7

55 23.8 18.5 27.7

61 23.5 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.358 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

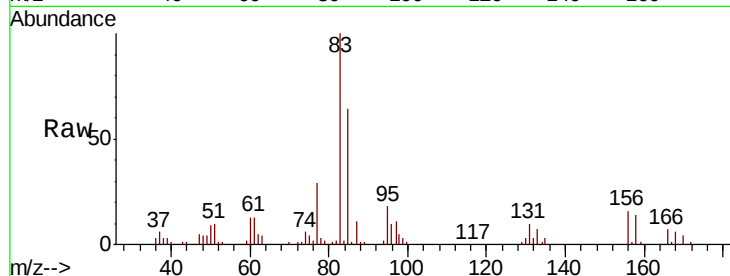
ClientSampleId :

VN1108WBSD01

Tot Ion:	83	Resp:	80737
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	65.8	31.8	95.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052146.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052146.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052146.D (-3322) (-)

Time-->

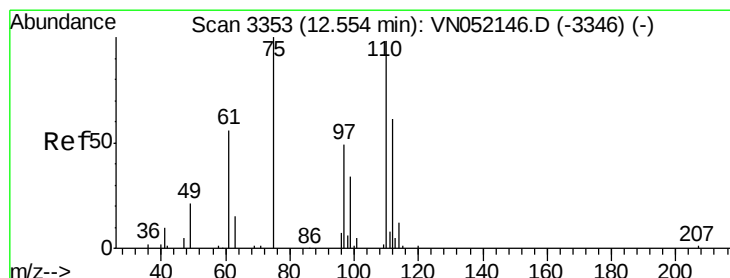
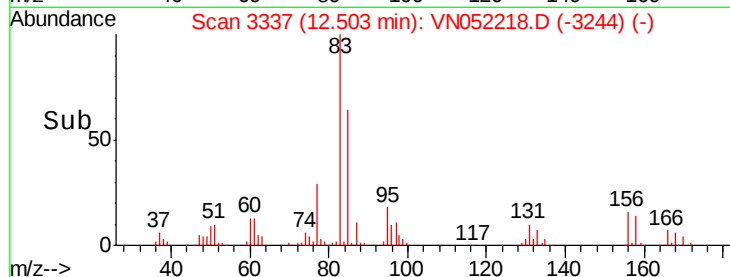
12.50

40000

20000

0

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 15.854 ug/l m

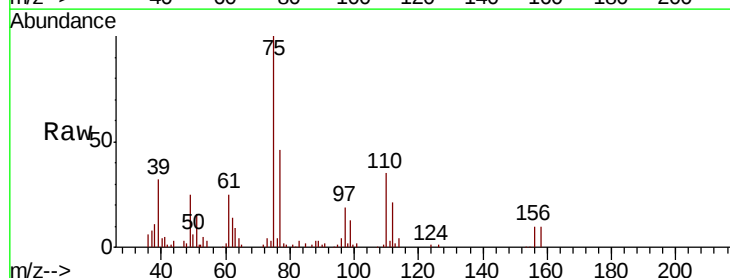
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Tgt Ion:	75	Resp:	59788
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052146.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN052146.D (-3346) (-)

Time-->

12.55

80000

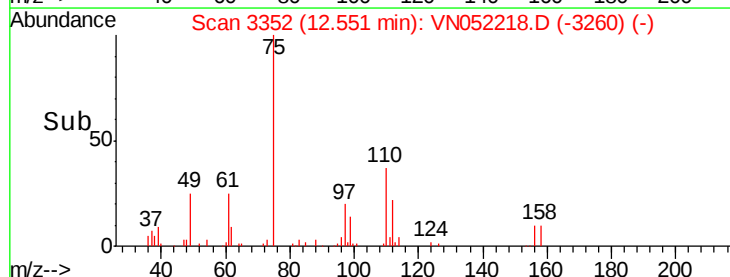
60000

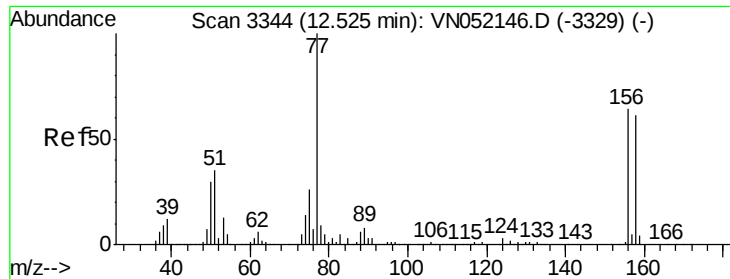
40000

20000

0

12.50 12.55 12.60 12.65





#77

Bromobenzene

Concen: 19.597 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

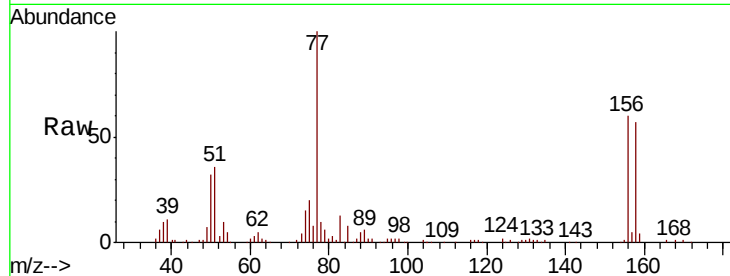
ClientSampleId :

VN1108WBSD01

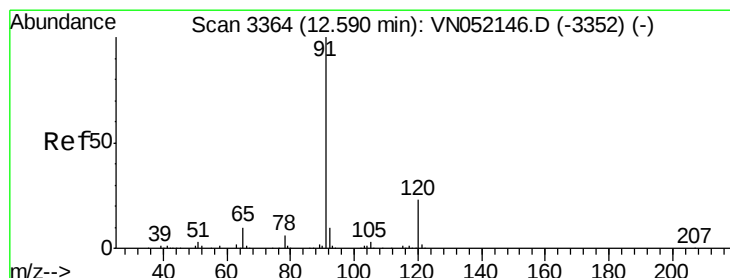
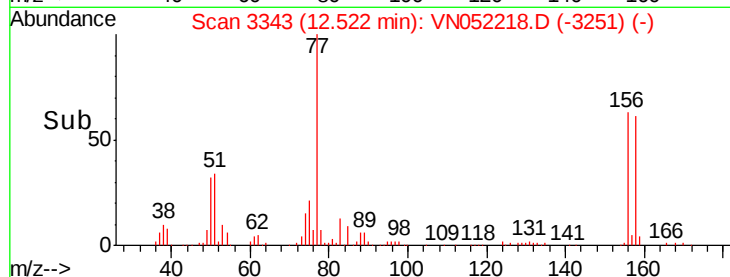
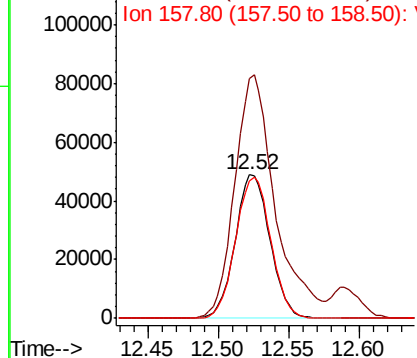
Tot Ion:	156	Resp:	84671
Ion	Ratio	Lower	Upper
156	100		
77	196.5	91.6	274.9
158	99.2	48.1	144.3

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



#78

n-propylbenzene

Concen: 20.169 ug/l

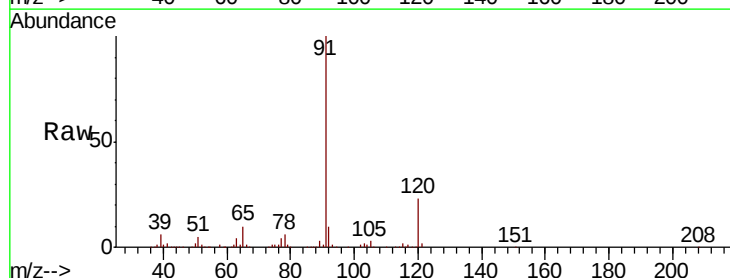
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

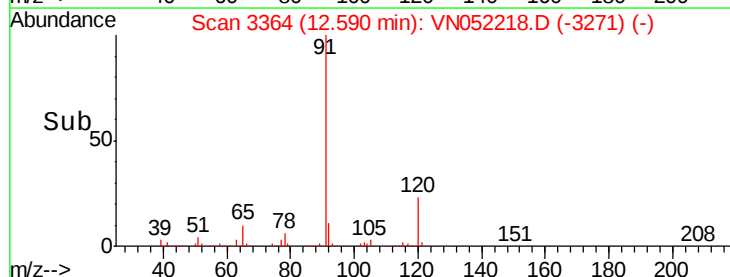
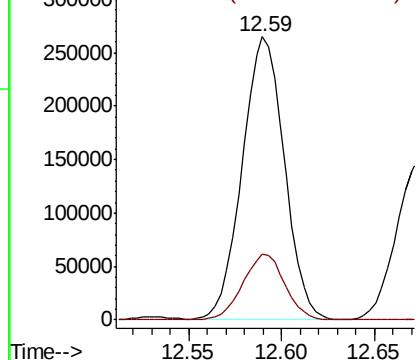
Lab File: VN052218.D

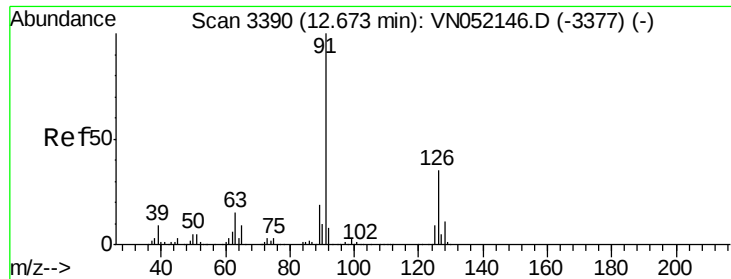
Acq: 8 Nov 2018 12:35

Tgt Ion:	91	Resp:	417631
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.7



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





#79

2-Chlorotoluene

Concen: 19.943 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD01

Tot Ion: 91 Resp: 242157

Ion Ratio Lower Upper

91 100

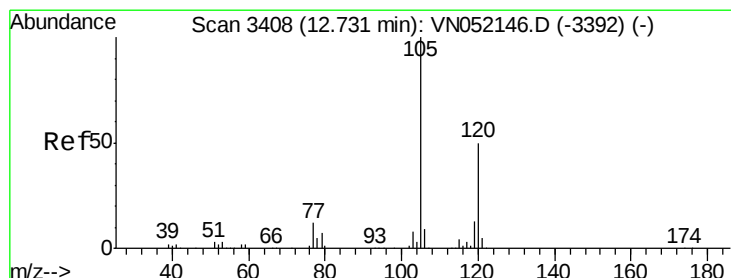
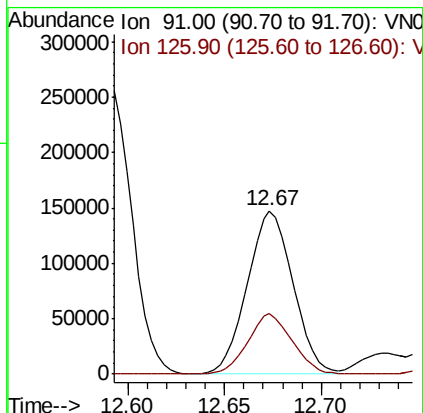
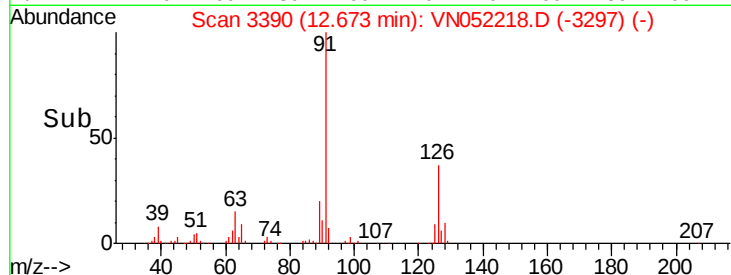
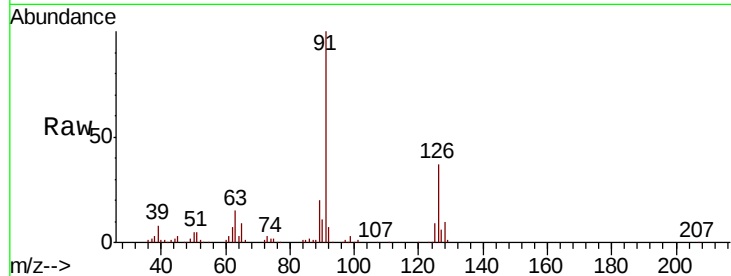
126 35.9 18.0 54.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.288 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052218.D

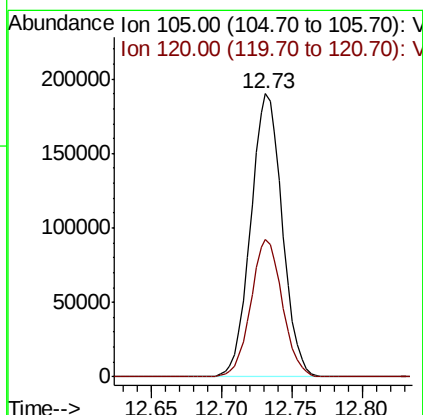
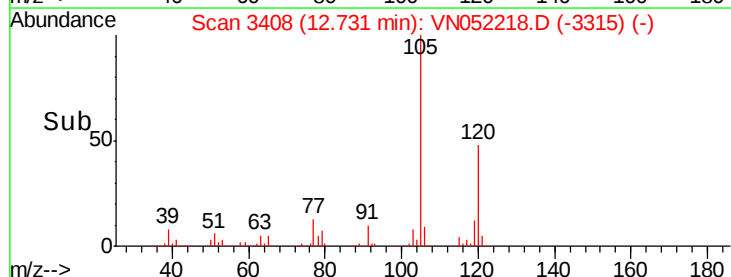
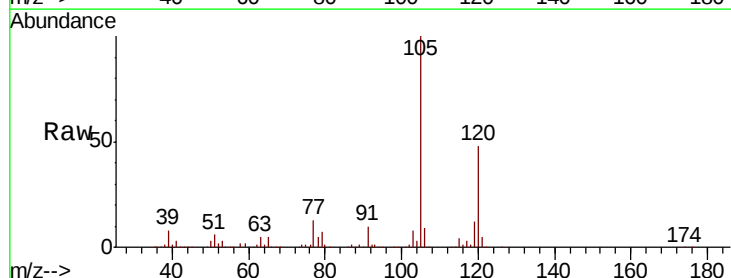
Acq: 8 Nov 2018 12:35

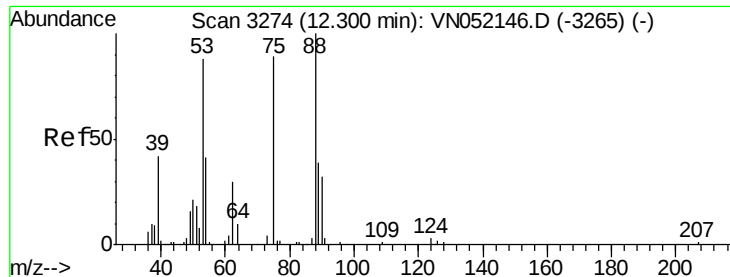
Tgt Ion: 105 Resp: 297533

Ion Ratio Lower Upper

105 100

120 48.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.542 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD01

Tot Ion: 75 Resp: 19528

Ion Ratio Lower Upper

75 100

53 103.6 79.4 119.0

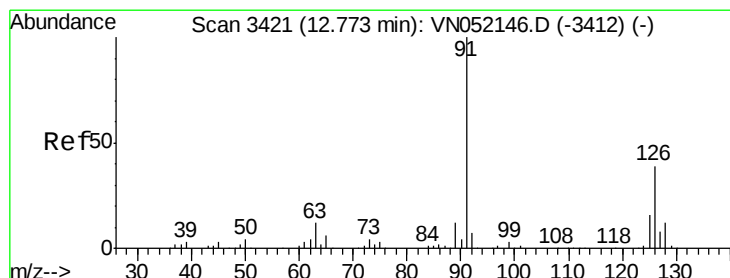
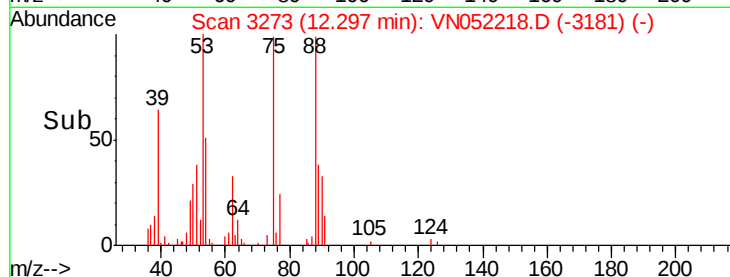
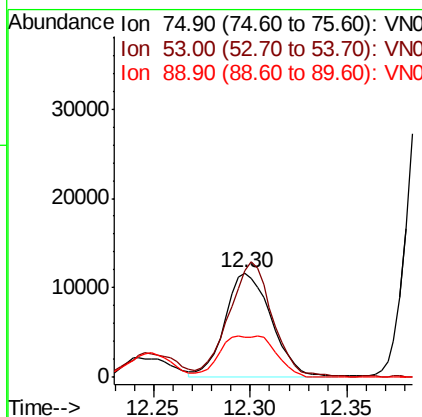
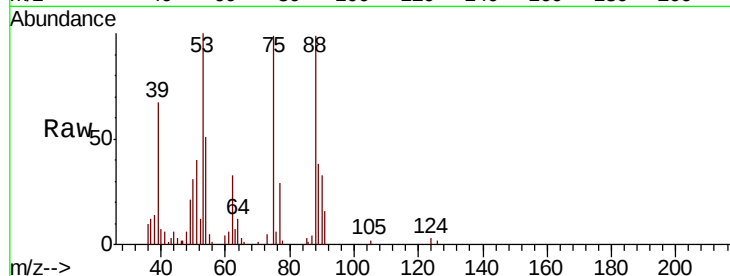
89 47.6 35.8 53.8

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#82

4-Chlorotoluene

Concen: 19.939 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052218.D

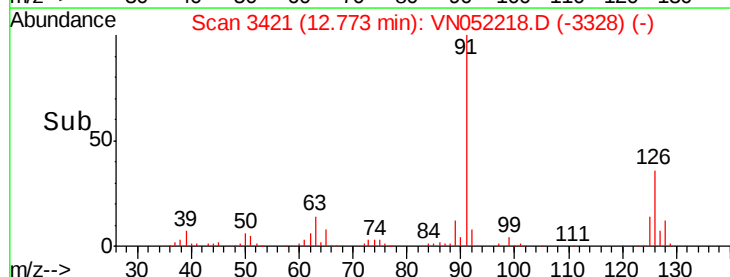
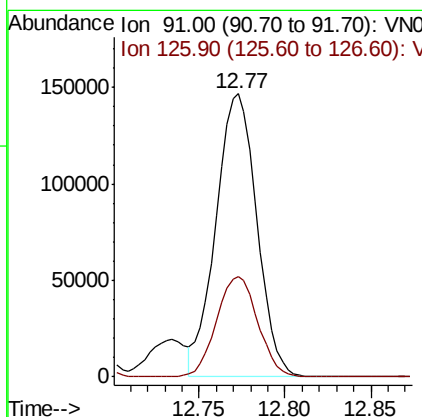
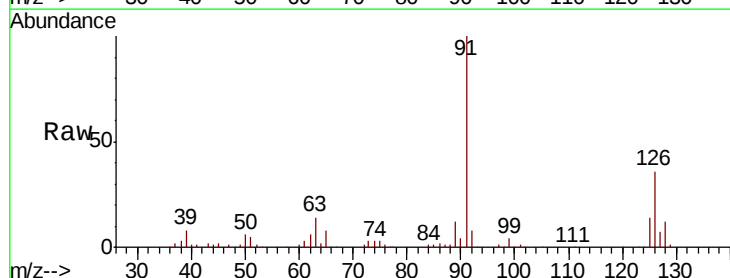
Acq: 8 Nov 2018 12:35

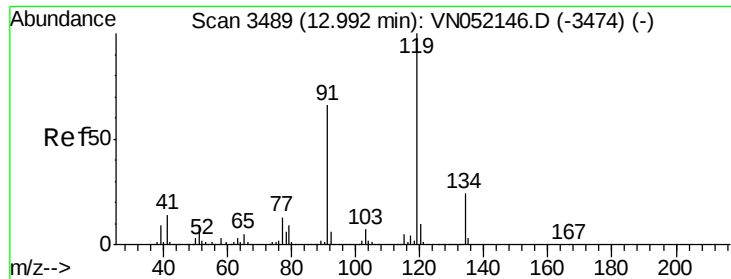
Tgt Ion: 91 Resp: 243340

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5





#83

tert-Butylbenzene

Concen: 19.943 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Instrument :

MSVOA_N

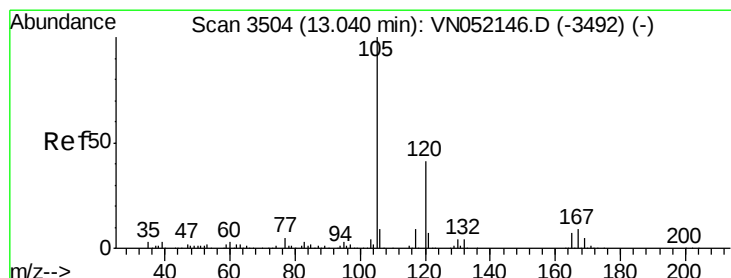
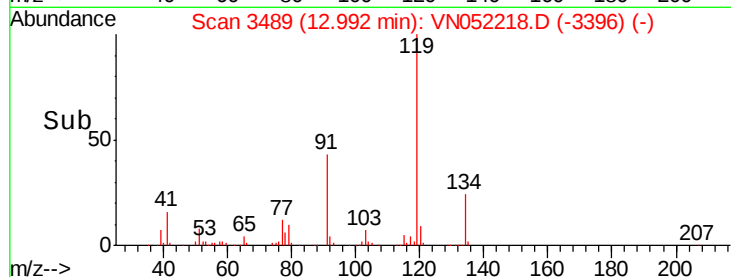
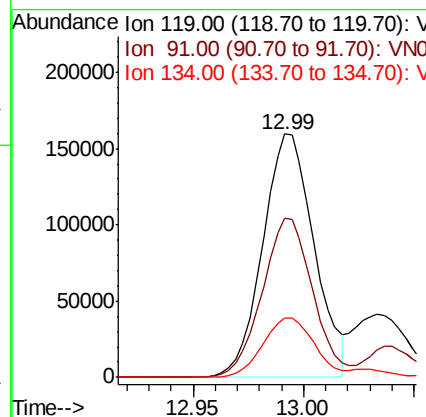
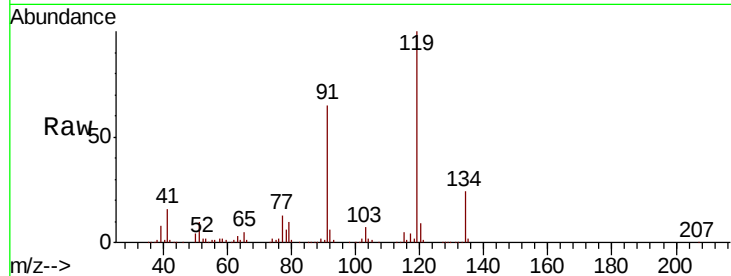
ClientSampleId :

VN1108WBSD01

Tot Ion:	119	Resp:	258259
Ion Ratio	Lower	Upper	
119	100		
91	64.0	32.3	96.8
134	24.5	13.0	38.9

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#84

1,2,4-Trimethylbenzene

Concen: 20.086 ug/l

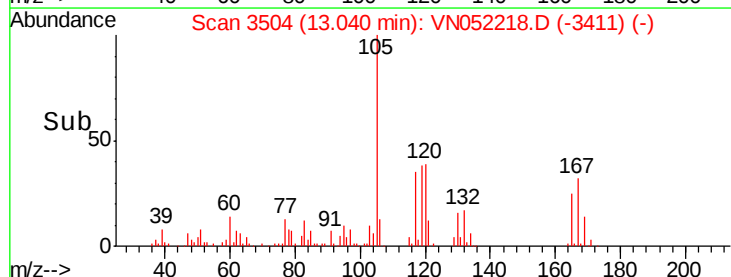
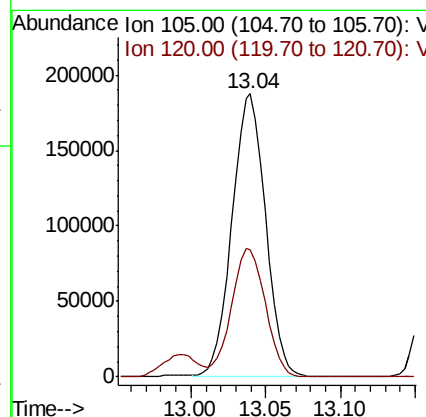
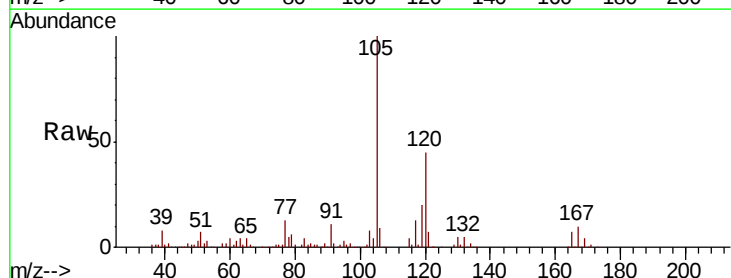
RT: 13.04 min Scan# 3504

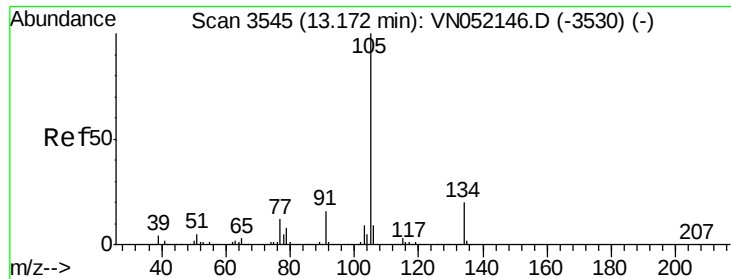
Delta R.T. 0.00 min

Lab File: VN052218.D

Acq: 8 Nov 2018 12:35

Tgt Ion:	105	Resp:	293233
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.2	69.5





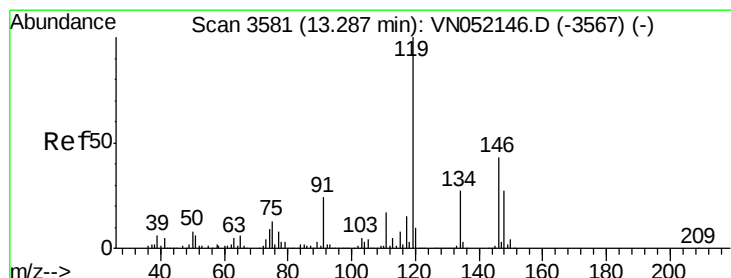
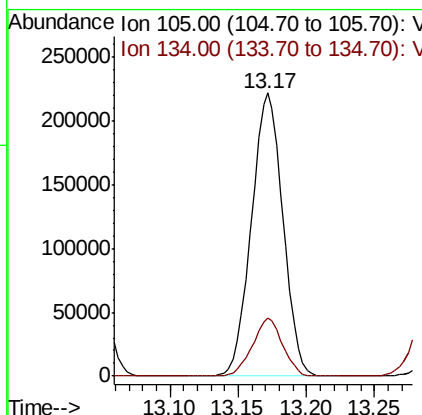
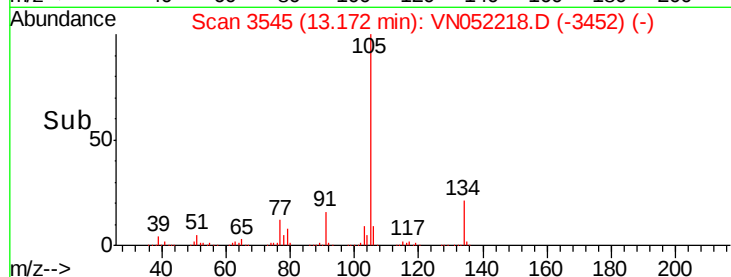
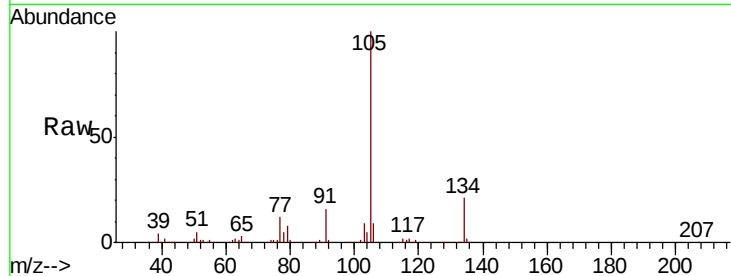
#85
 sec-Butylbenzene
 Concen: 20.289 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.2	30.4

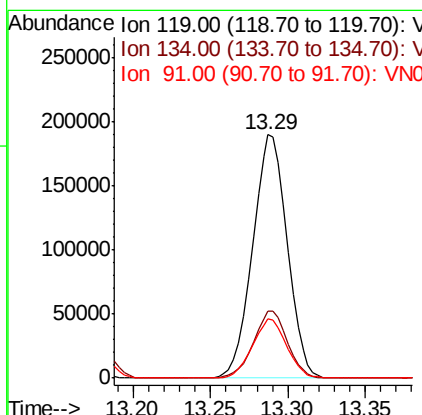
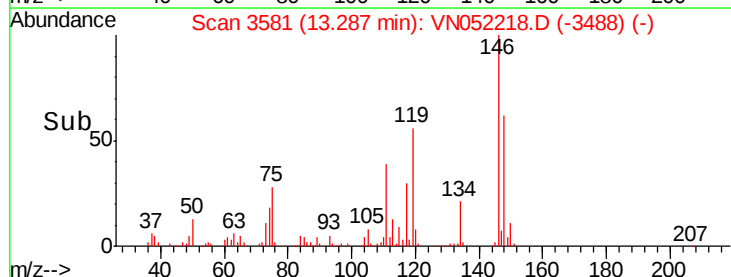
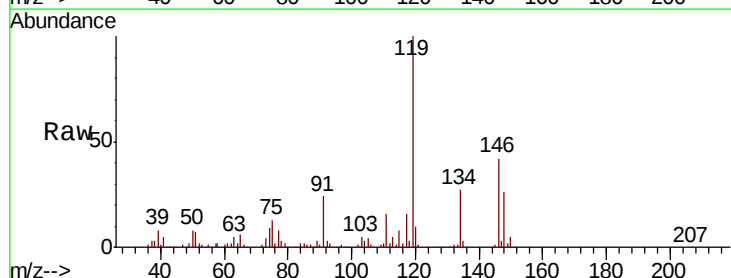
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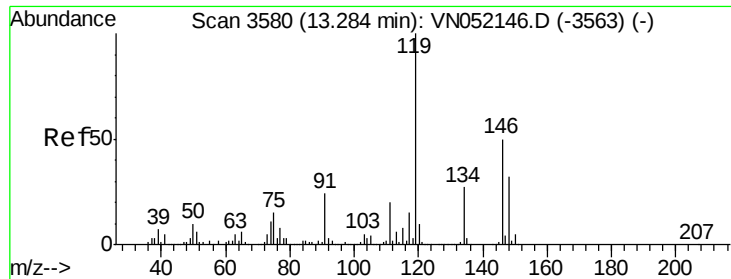
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#86
 p-Isopropyltoluene
 Concen: 20.049 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.5
91	24.3	11.9	35.7





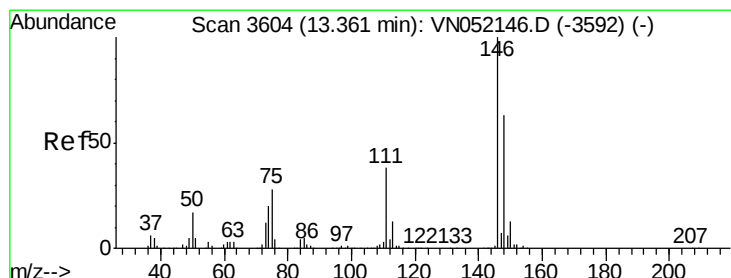
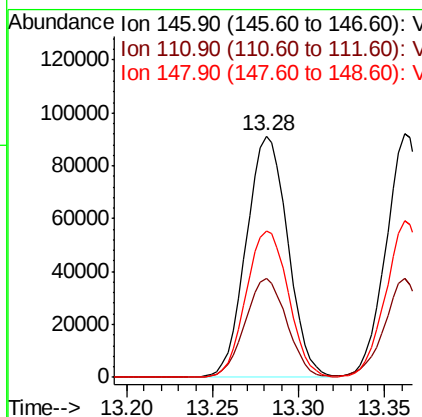
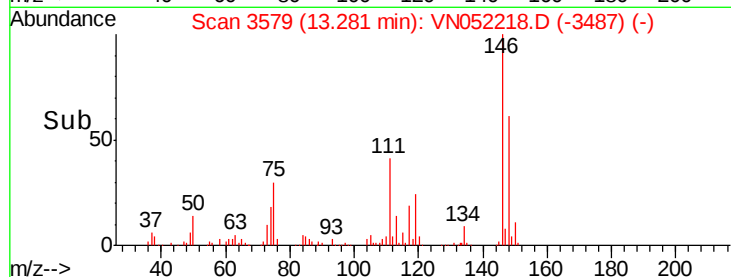
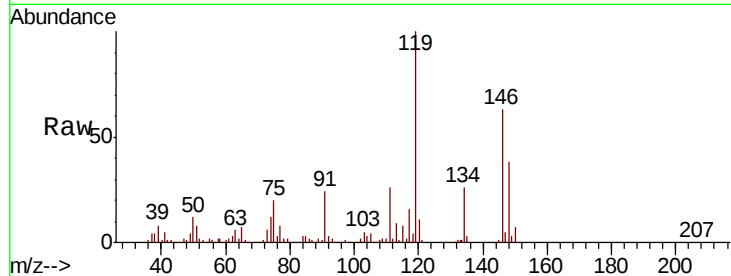
#87
 1,3-Dichlorobenzene
 Concen: 20.060 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.2	60.6
148	61.9	32.1	96.3

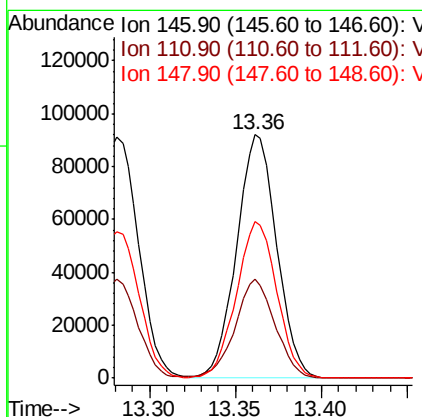
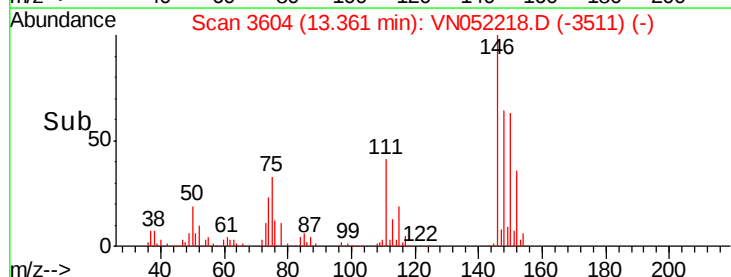
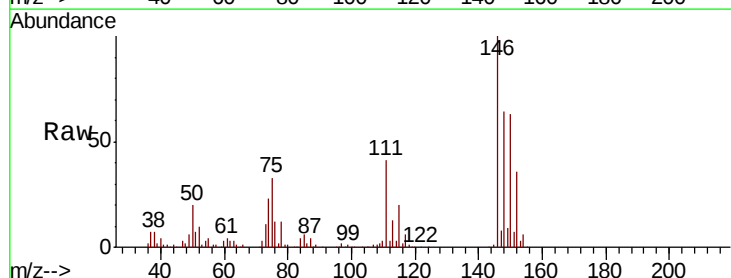
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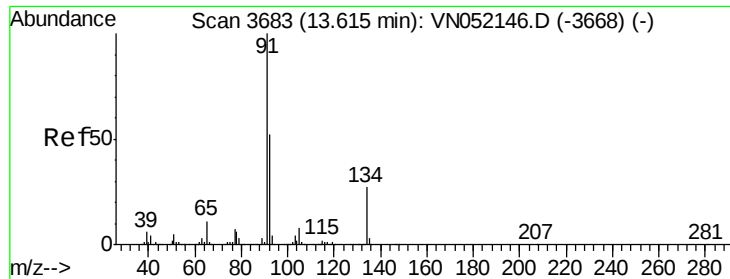
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#88
 1,4-Dichlorobenzene
 Concen: 19.462 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.4	58.1
148	64.9	31.5	94.5





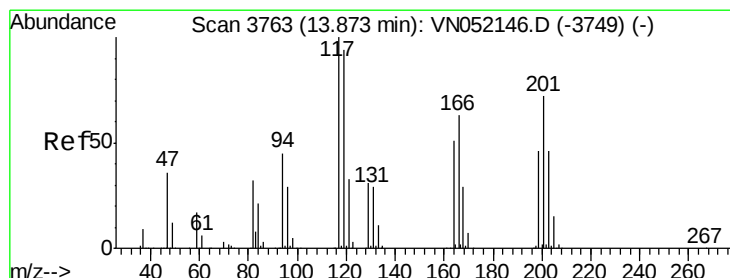
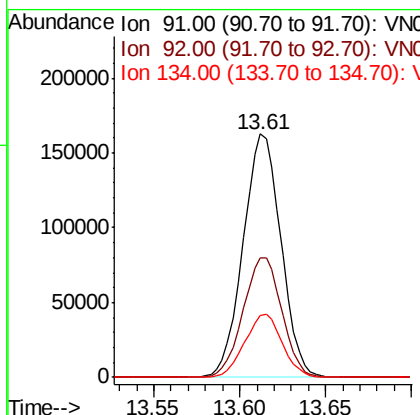
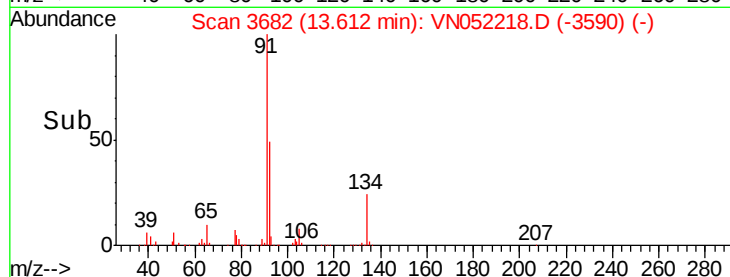
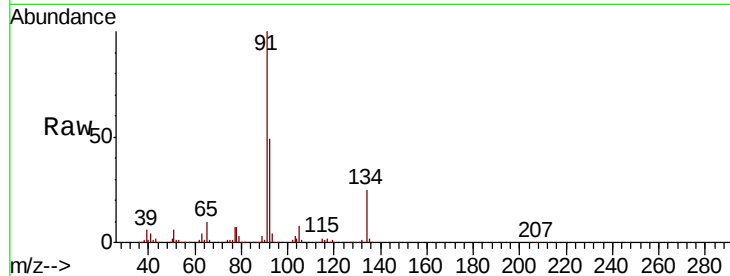
#89
n-Butylbenzene
Concen: 19.395 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.3	78.8
134	25.6	13.4	40.2

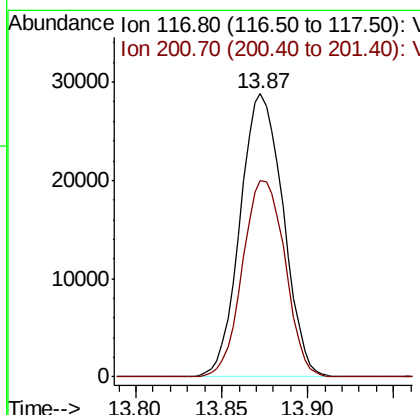
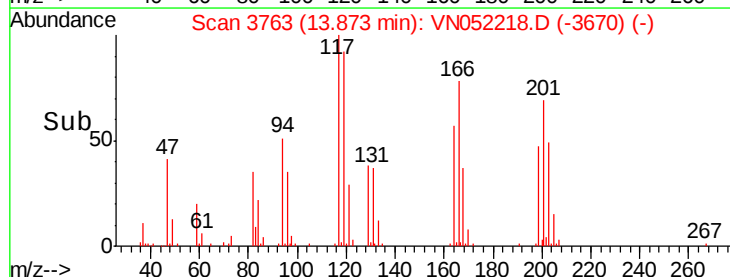
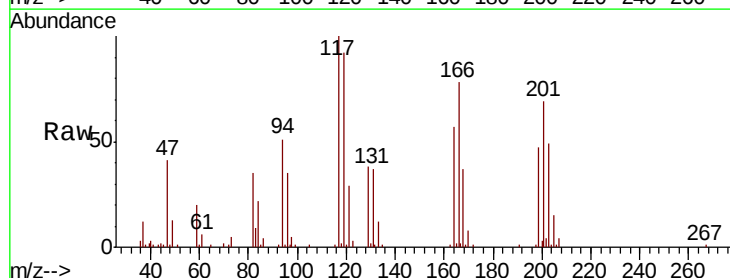
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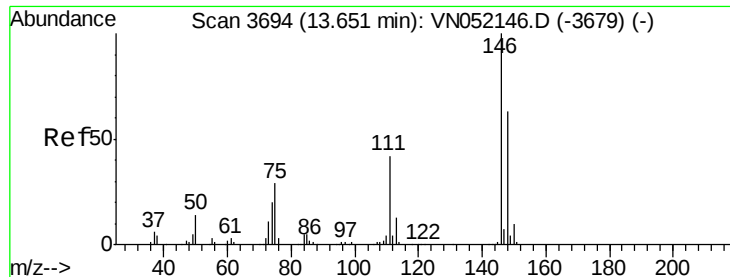
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#90
Hexachloroethane
Concen: 20.172 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	36.8	110.3





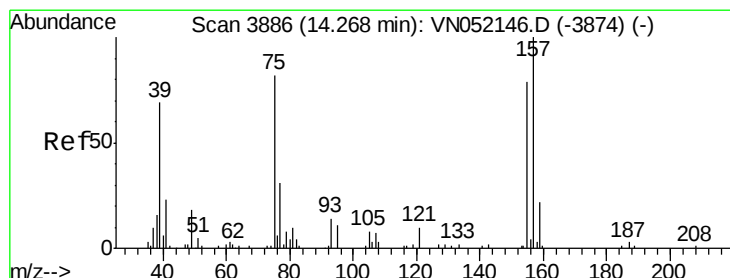
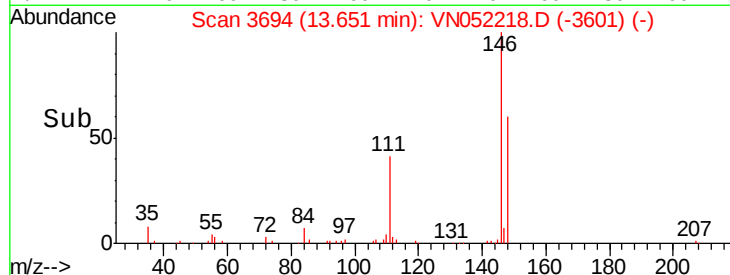
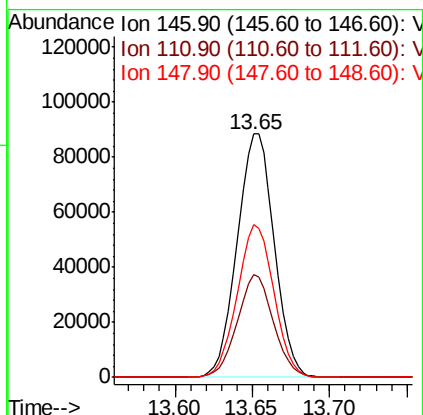
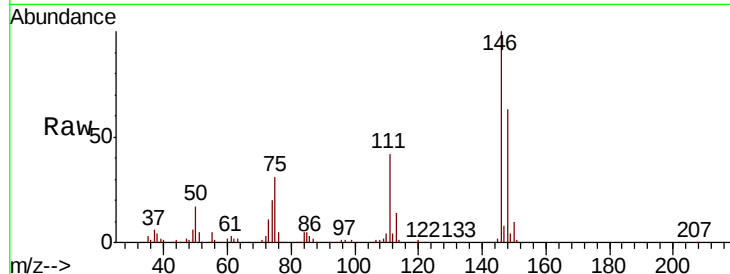
#91
 1,2-Dichlorobenzene
 Concen: 20.554 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.1
148	62.0	31.4	94.3

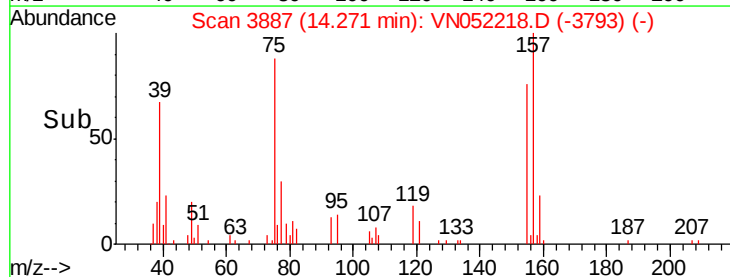
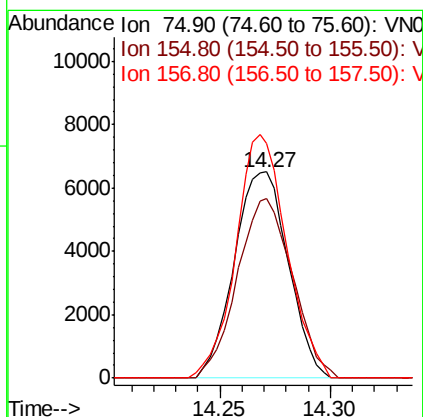
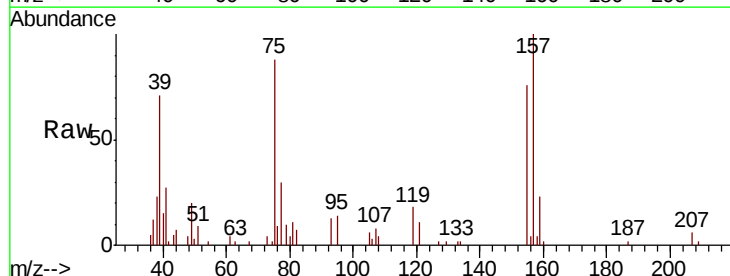
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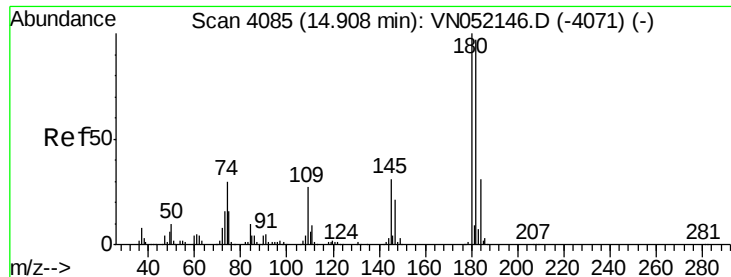
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.071 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	47.4	142.2
157	111.5	60.3	180.8





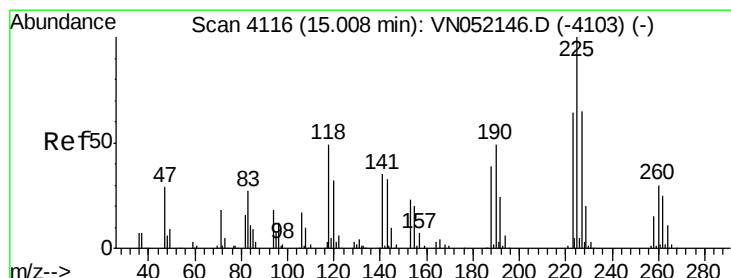
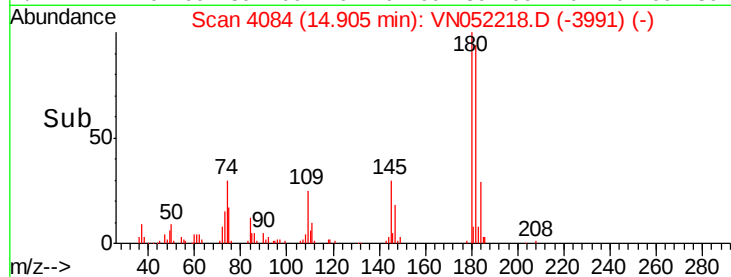
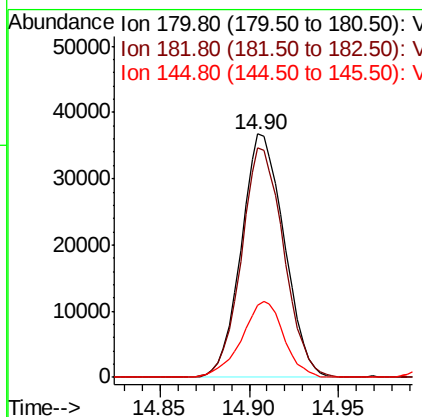
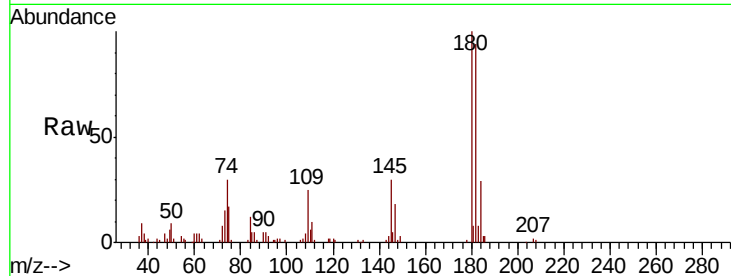
#93
 1,2,4-Trichlorobenzene
 Concen: 19.628 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61525		
182	93.0	48.1	144.4	
145	30.8	15.3	45.9	

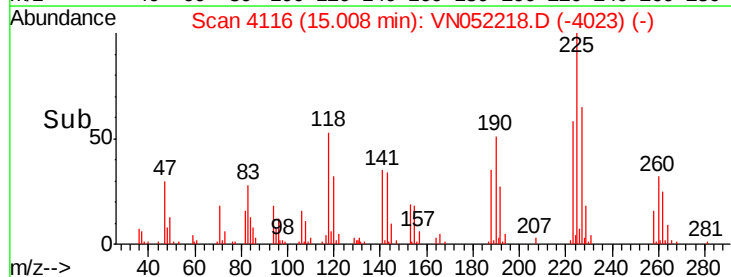
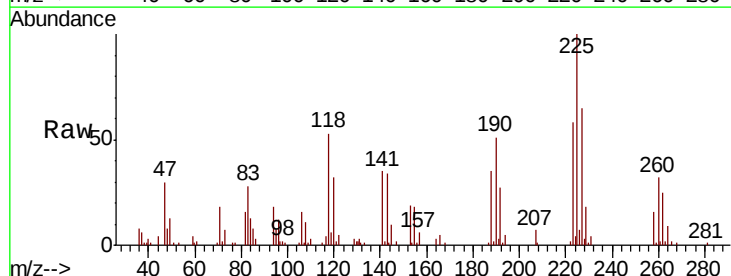
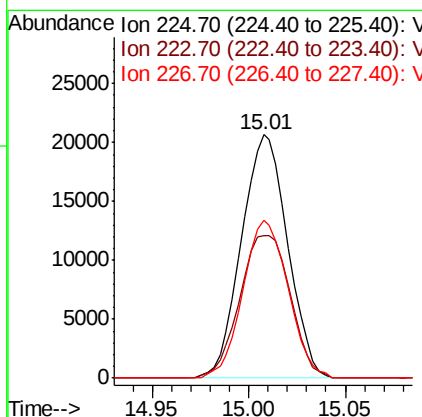
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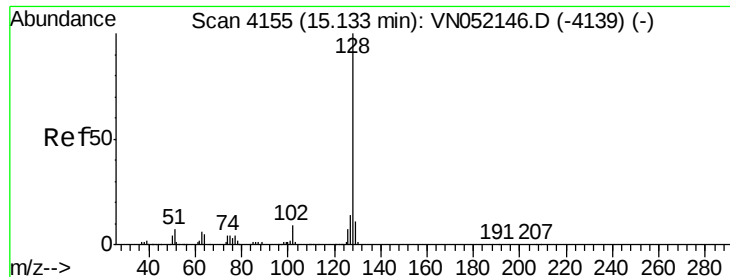
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#94
 Hexachlorobutadiene
 Concen: 20.110 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052218.D
 Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34206		
223	64.2	32.3	96.8	
227	63.6	31.6	94.8	





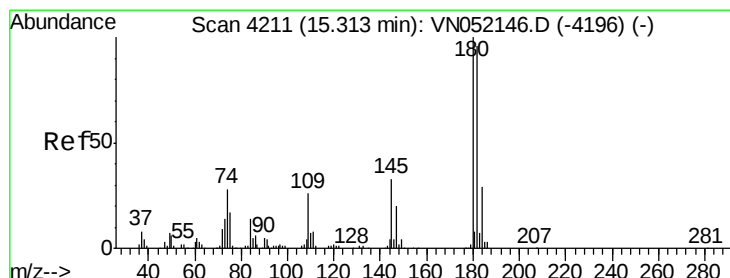
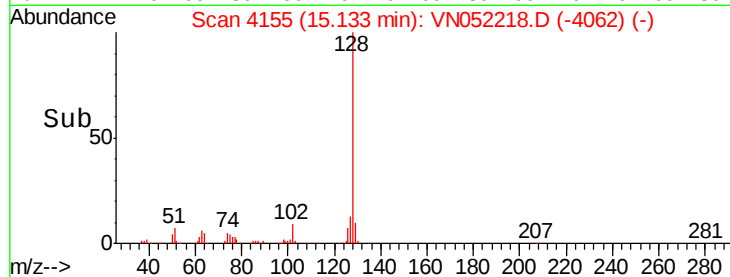
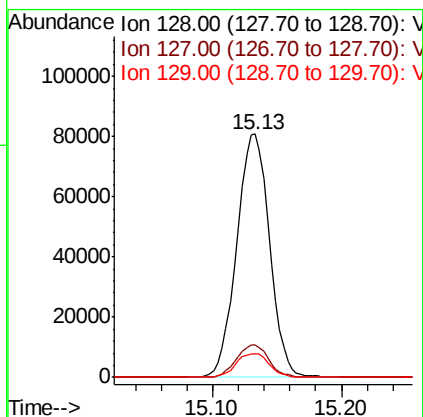
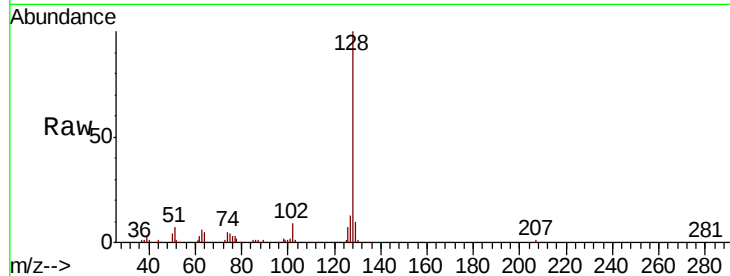
#95
Naphthalene
Concen: 19.463 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	9.8	9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.068 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052218.D
Acq: 8 Nov 2018 12:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.7
145	34.2	16.7	50.0

