

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
 Data File : VN052928.D
 Acq On : 17 Dec 2018 15:37
 Operator : MD\SY
 Sample : VN1217WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 1:33:25 PM

Quant Time: Dec 18 05:56:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1046647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1631663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1440845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	677416	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	561103	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.59	113	457987	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.09	98	1980621	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	675931	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	206212	19.139 ug/l	99
3) Chloromethane	2.06	50	252103	19.496 ug/l	99
4) Vinyl Chloride	2.19	62	248654	19.220 ug/l	100
5) Bromomethane	2.57	94	154110	19.314 ug/l	98
6) Chloroethane	2.71	64	146351	19.139 ug/l	98
7) Trichlorofluoromethane	3.03	101	308077	19.208 ug/l	98
8) Diethyl Ether	3.41	74	115433	19.730 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	193445	19.460 ug/l	99
10) Methyl Iodide	3.96	142	278631	20.015 ug/l	99
11) Tert butyl alcohol	4.77	59	58755	94.487 ug/l	98
12) 1,1-Dichloroethene	3.74	96	186843	19.417 ug/l	99
13) Acrolein	3.61	56	28619	48.883 ug/l	100
14) Allyl chloride	4.33	41	294224	18.720 ug/l	99
15) Acrylonitrile	4.99	53	343543	98.478 ug/l	99
16) Acetone	3.81	43	231302	92.541 ug/l	100
17) Carbon Disulfide	4.06	76	560714	18.968 ug/l	100
18) Methyl Acetate	4.32	43	194937	21.251 ug/l	98
19) Methyl tert-butyl Ether	5.04	73	514726	19.703 ug/l	97
20) Methylene Chloride	4.55	84	214470	19.067 ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	195416	18.744 ug/l	97
22) Diisopropyl ether	5.95	45	661824	19.738 ug/l	99
23) Vinyl Acetate	5.90	43	2072575	103.877 ug/l	100
24) 1,1-Dichloroethane	5.85	63	379303	19.616 ug/l	100
25) 2-Butanone	6.83	43	356539	91.932 ug/l	98
26) 2,2-Dichloropropane	6.83	77	257731	18.100 ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	230224	19.457 ug/l	100
28) Bromochloromethane	7.19	49	187833	21.633 ug/l	99
29) Tetrahydrofuran	7.21	42	251172	94.866 ug/l	100
30) Chloroform	7.37	83	366375	19.430 ug/l	98
31) Cyclohexane	7.66	56	361706	18.818 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	304435	19.297 ug/l	98
36) 1,1-Dichloropropene	7.79	75	282872	18.826 ug/l	99
37) Ethyl Acetate	6.93	43	165026	18.283 ug/l	98
38) Carbon Tetrachloride	7.78	117	259424	18.758 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	342464	18.573	ug/l	99
40) Benzene	8.04	78	866498	19.214	ug/l	97
41) Methacrylonitrile	7.17	41	110778	22.150	ug/l	87
42) 1,2-Dichloroethane	8.12	62	256157	18.868	ug/l	99
43) Isopropyl Acetate	8.17	43	468069	25.292	ug/l #	87
44) Trichloroethene	8.84	130	234425	19.245	ug/l	95
45) 1,2-Dichloropropane	9.12	63	231678	19.614	ug/l	99
46) Dibromomethane	9.21	93	131066	19.133	ug/l	99
47) Bromodichloromethane	9.40	83	281226	19.797	ug/l	99
48) Methyl methacrylate	9.20	41	159780	19.687	ug/l	99
49) 1,4-Dioxane	9.20	88	30094	326.674	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	816114	96.172	ug/l	99
52) Toluene	10.16	92	534554	19.571	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	295775	20.691	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	333033	19.551	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	186936	19.173	ug/l	99
56) Ethyl methacrylate	10.43	69	257899	20.611	ug/l	99
57) 1,3-Dichloropropane	10.71	76	326060	19.501	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	707308	101.307	ug/l	99
59) 2-Hexanone	10.75	43	552957	95.081	ug/l	98
60) Dibromochloromethane	10.90	129	204830	19.438	ug/l	99
61) 1,2-Dibromoethane	11.00	107	187281	19.432	ug/l	99
64) Tetrachloroethene	10.63	164	246321	19.891	ug/l	97
65) Chlorobenzene	11.43	112	584256	19.545	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	207842	19.992	ug/l	100
67) Ethyl Benzene	11.51	91	1004693	19.572	ug/l	99
68) m/p-Xylenes	11.62	106	762426	39.554	ug/l	100
69) o-Xylene	11.95	106	373716	19.855	ug/l	99
70) Styrene	11.96	104	615889	20.355	ug/l	100
71) Bromoform	12.13	173	134855	19.094	ug/l #	99
73) Isopropylbenzene	12.25	105	987930	19.533	ug/l	100
74) N-amyl acetate	12.07	43	304453	21.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219660	19.378	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	184343m	18.444	ug/l	
77) Bromobenzene	12.53	156	256059	19.904	ug/l	97
78) n-propylbenzene	12.59	91	1123916	19.484	ug/l	99
79) 2-Chlorotoluene	12.67	91	661227	19.390	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	805970	19.740	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65276	20.981	ug/l	98
82) 4-Chlorotoluene	12.77	91	680630	19.521	ug/l	100
83) tert-Butylbenzene	12.99	119	713333	19.806	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	821952	19.886	ug/l	99
85) sec-Butylbenzene	13.17	105	951604	19.509	ug/l	100
86) p-Isopropyltoluene	13.29	119	829817	19.636	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	439593	19.229	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	439902	19.431	ug/l	100
89) n-Butylbenzene	13.62	91	704267	19.797	ug/l	100
90) Hexachloroethane	13.88	117	117058	16.542	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	428447	19.483	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35775	20.937	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	236808	19.810	ug/l	100
94) Hexachlorobutadiene	15.01	225	130397	18.846	ug/l	99
95) Naphthalene	15.13	128	525523	21.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	208253	18.986	ug/l	99

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

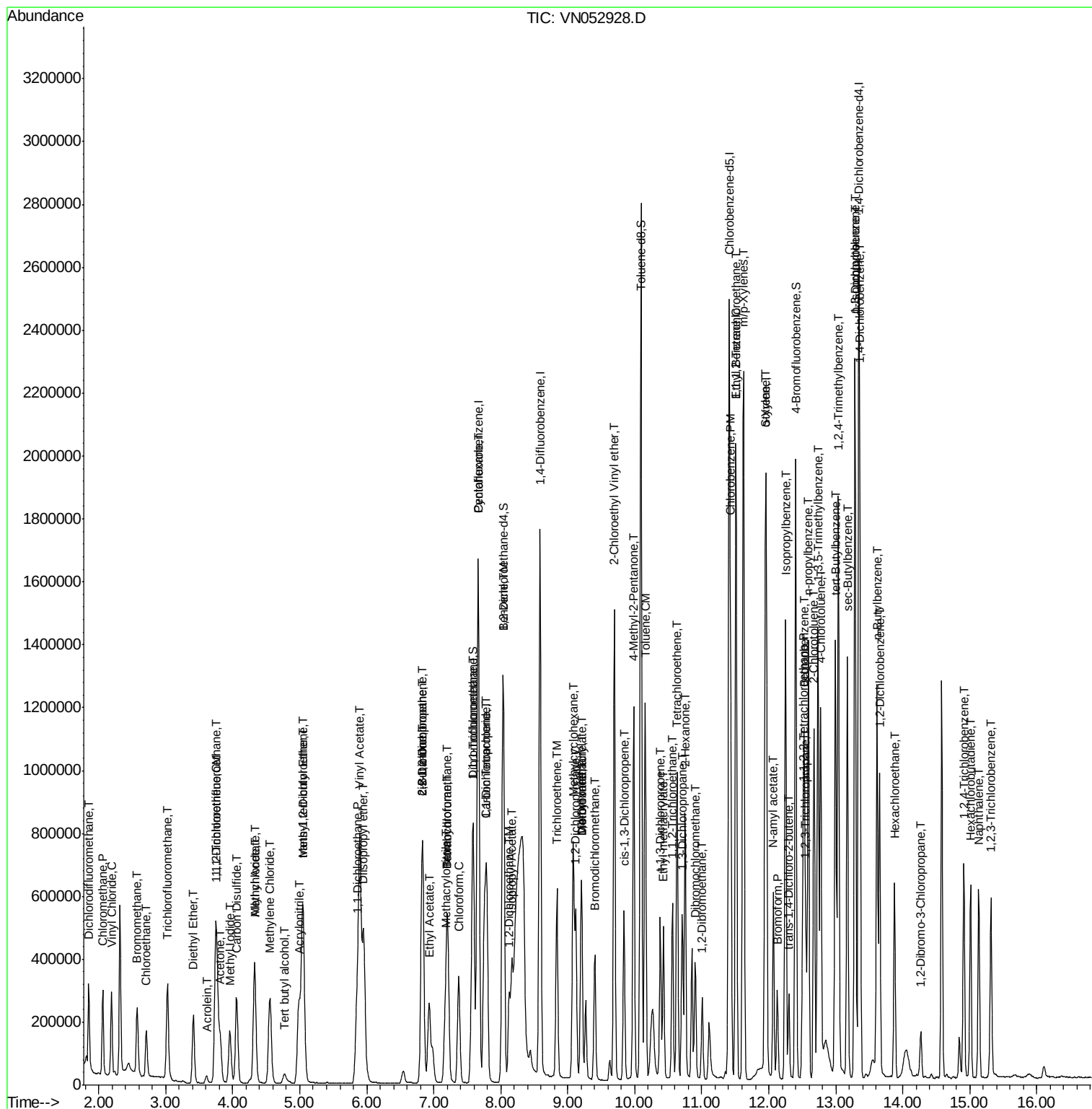
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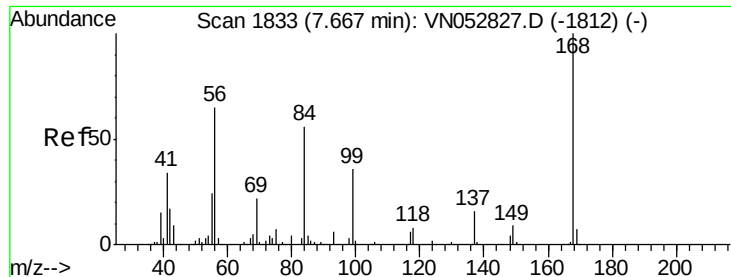
Instrument :
MSVOA_N
Client Sample Id :
VN1217WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion:168 Resp: 1046647

Ion Ratio Lower Upper

168 100

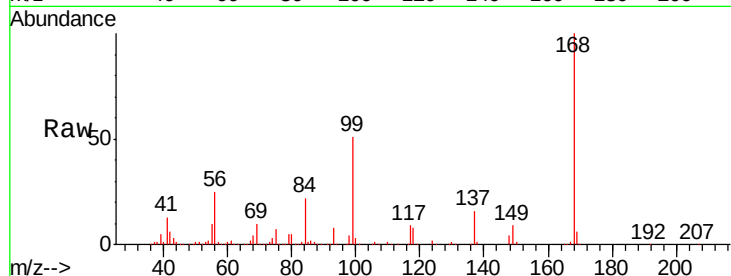
99 51.3 40.2 60.2

Manual Integrations

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12/18/2018 1:33:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

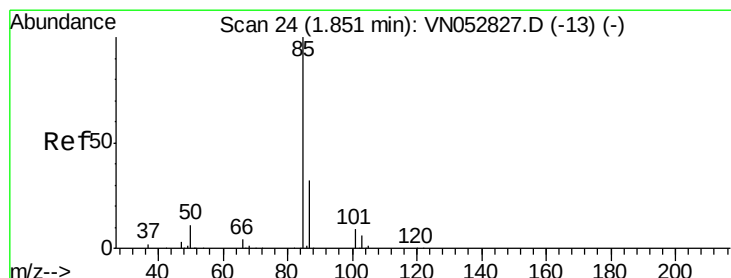
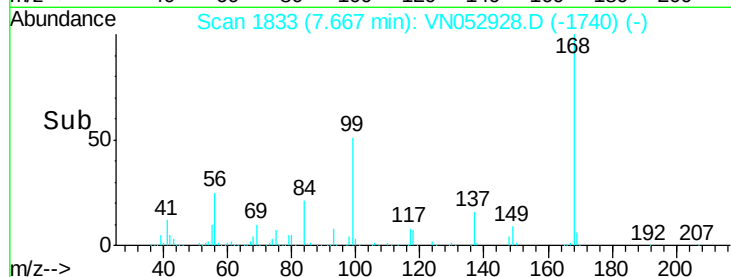
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.139 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052928.D

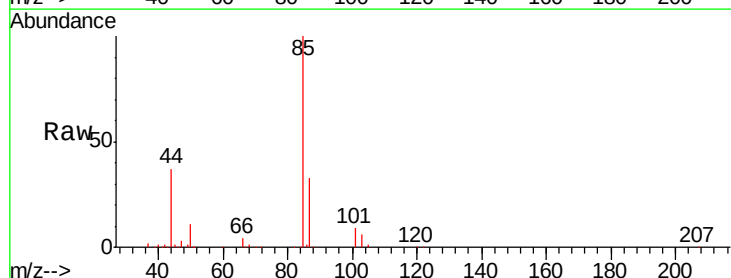
Acq: 17 Dec 2018 15:37

Tgt Ion: 85 Resp: 206212

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

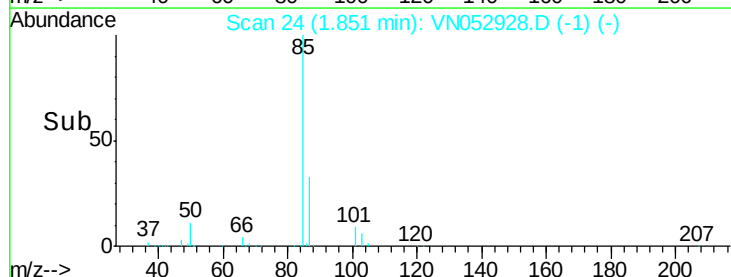
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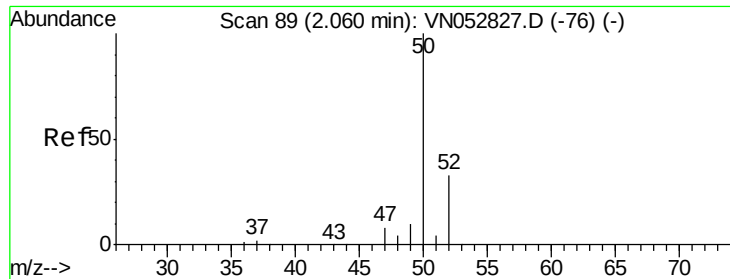
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.496 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 50 Resp: 252103

Ion Ratio Lower Upper

50 100

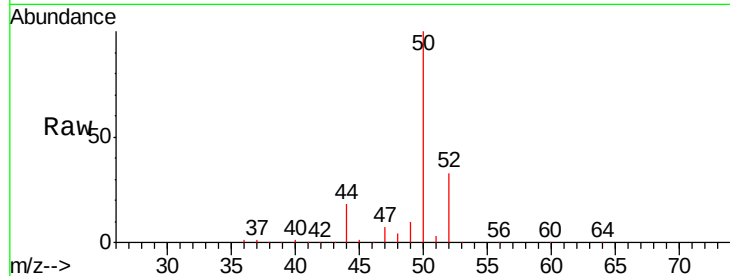
52 32.5 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

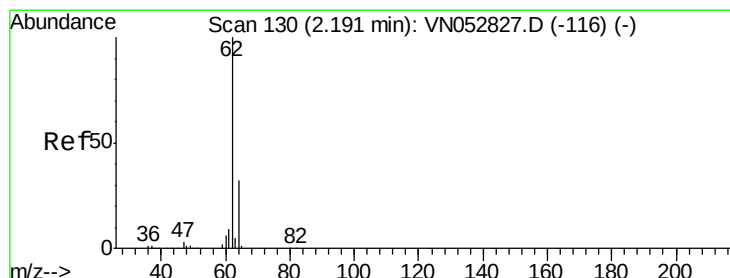
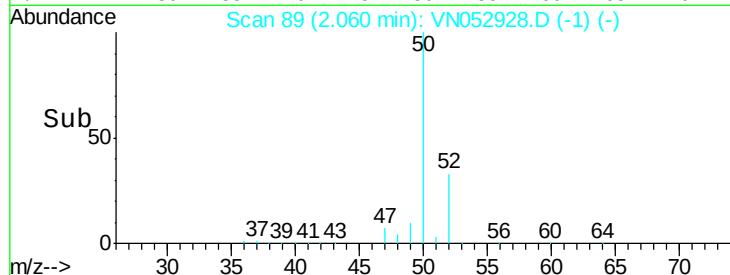
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.220 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052928.D

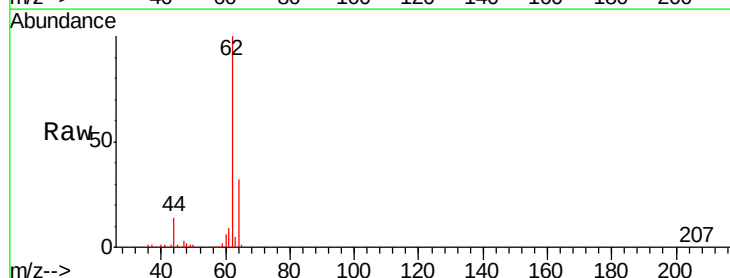
Acq: 17 Dec 2018 15:37

Tgt Ion: 62 Resp: 248654

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

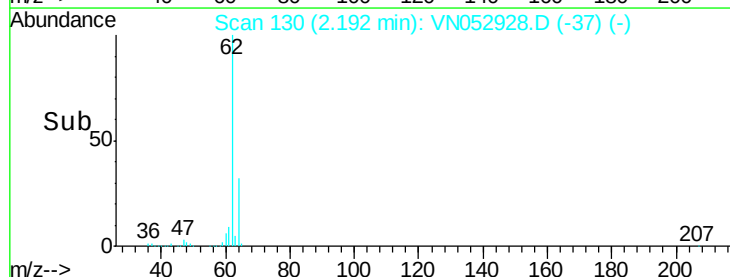
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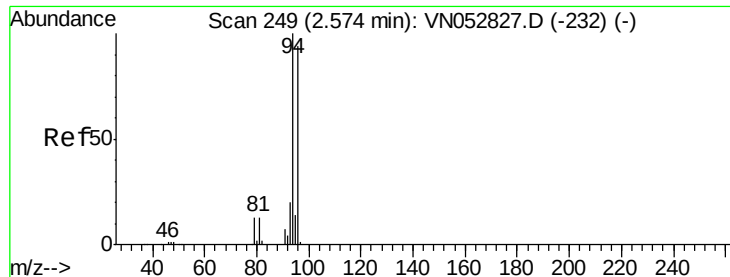
100000

50000

0

Time-->





#5

Bromomethane

Concen: 19.314 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

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VN1217WBSD01

Tgt Ion: 94 Resp: 154110

Ion Ratio Lower Upper

94 100

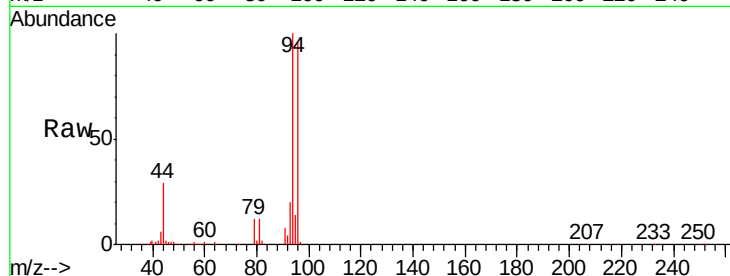
96 96.1 75.0 112.4

Manual Integrations

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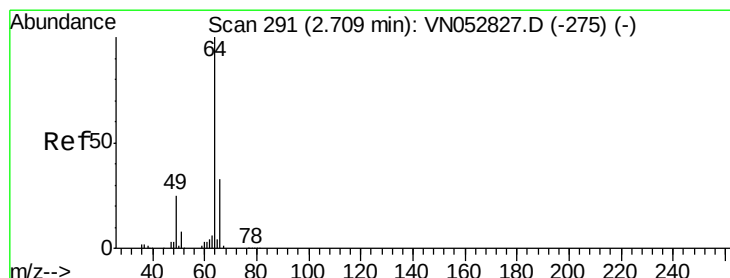
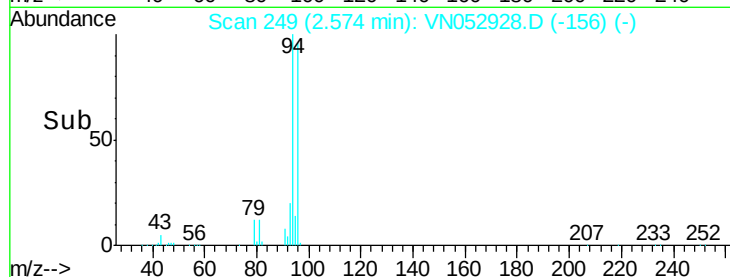
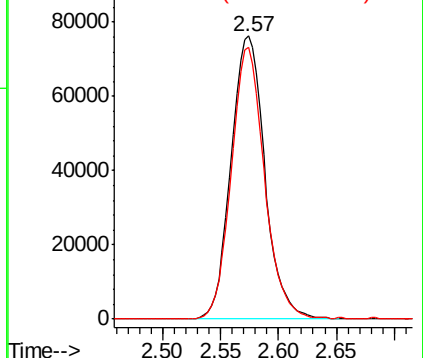
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.139 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052928.D

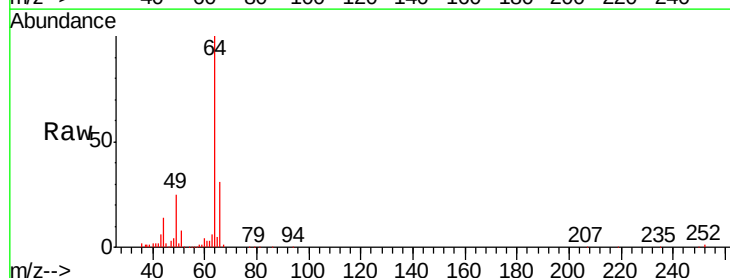
Acq: 17 Dec 2018 15:37

Tgt Ion: 64 Resp: 146351

Ion Ratio Lower Upper

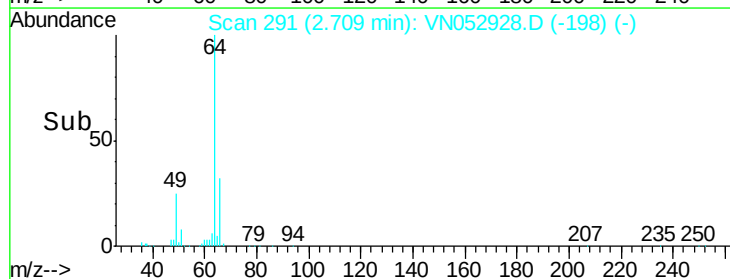
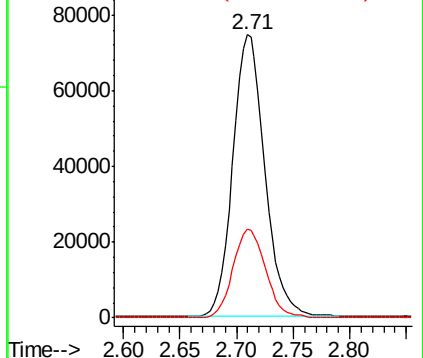
64 100

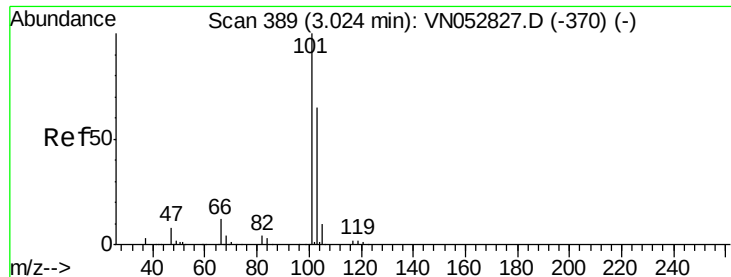
66 31.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

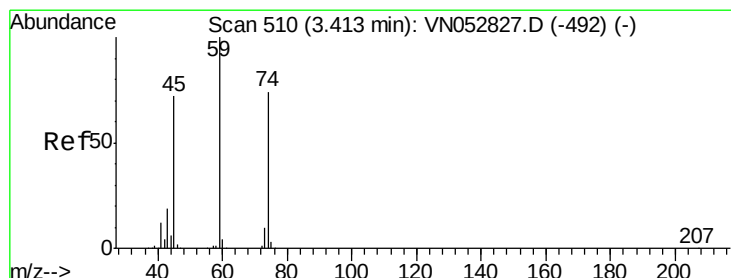
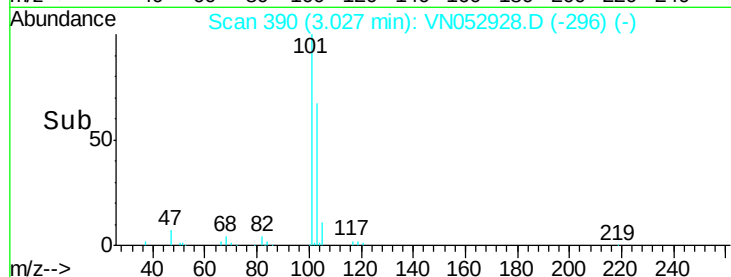
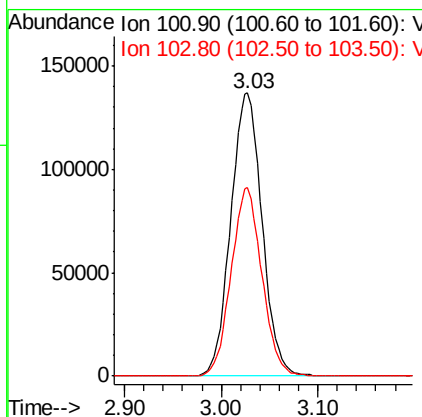
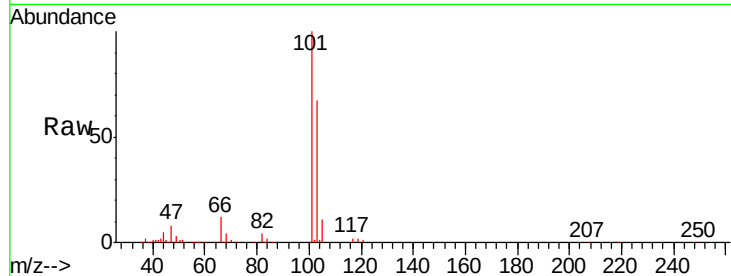
Trichlorofluoromethane
 Concen: 19.208 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.8	77.6

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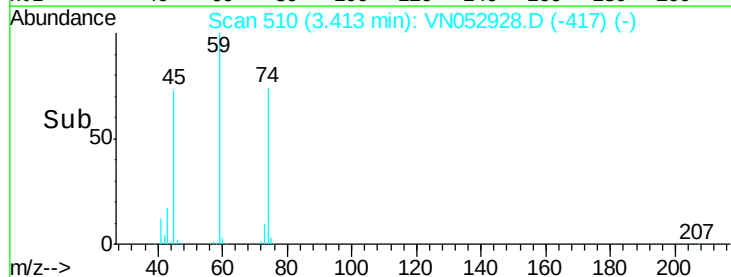
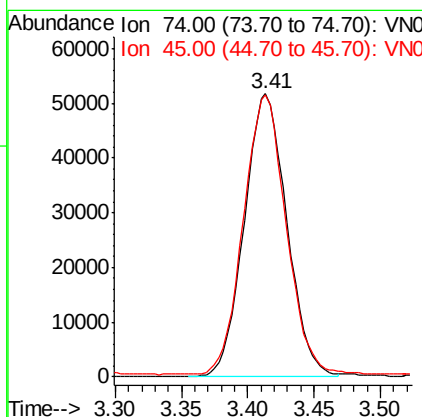
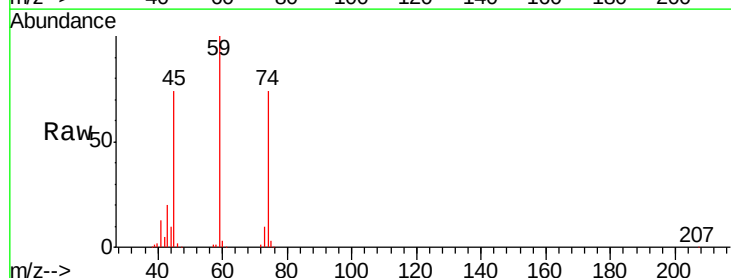
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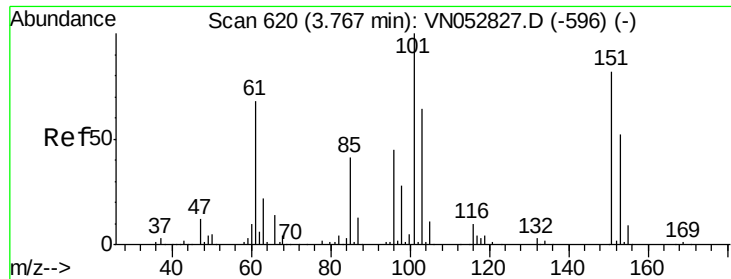


#8

Diethyl Ether
 Concen: 19.730 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052928.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	49.4	148.0





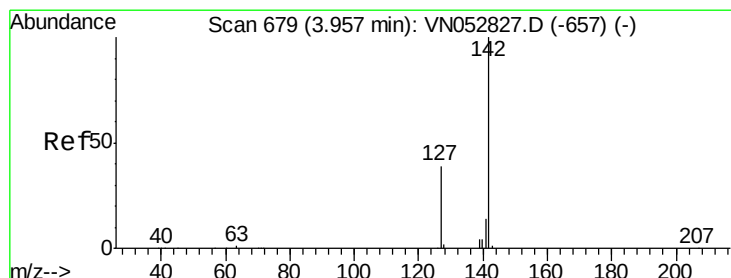
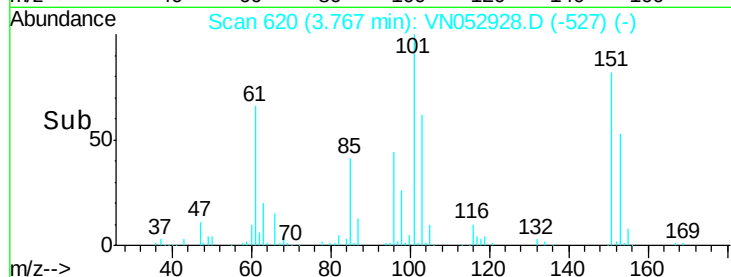
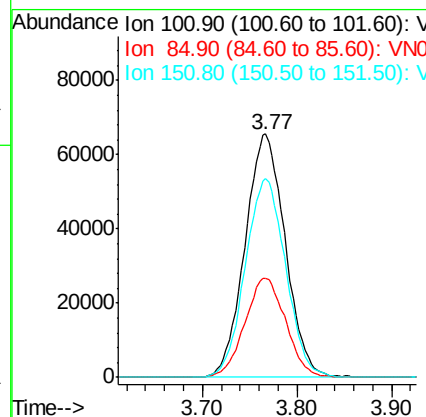
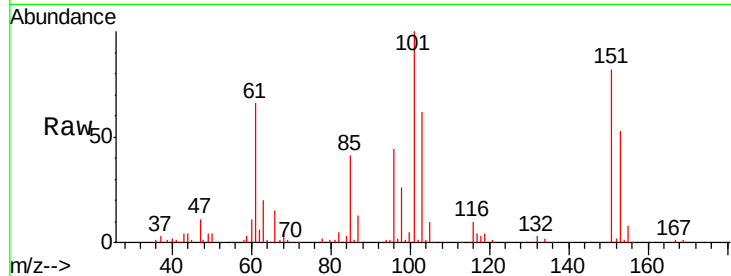
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.460 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	193445		
85	41.4	33.6	50.4	
151	82.2	65.5	98.3	

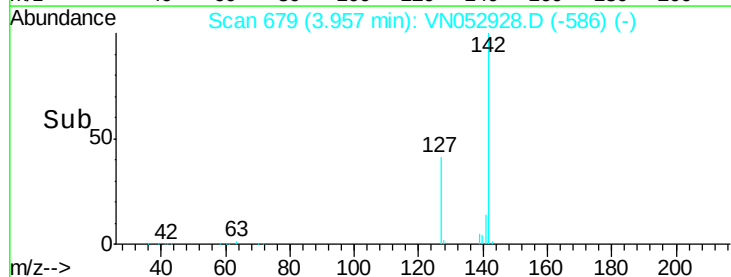
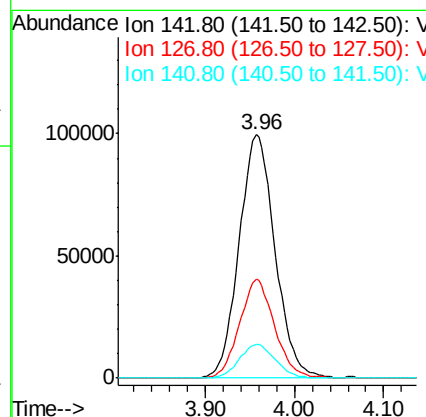
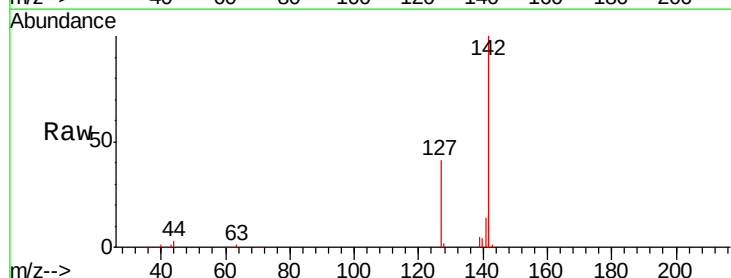
Manual Integrations
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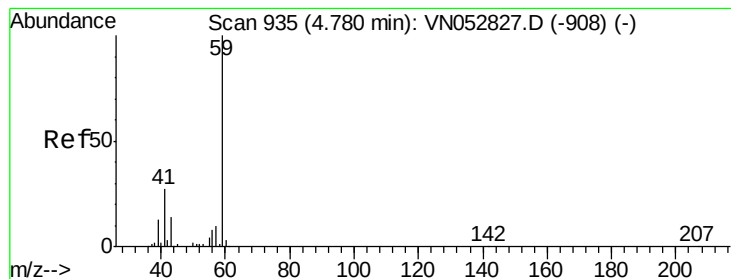
MMDadoda
 12/18/2018 1:33:25 PM



#10
 Methyl Iodide
 Concen: 20.015 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	278631		
127	39.7	31.0	46.6	
141	13.8	11.2	16.8	





#11

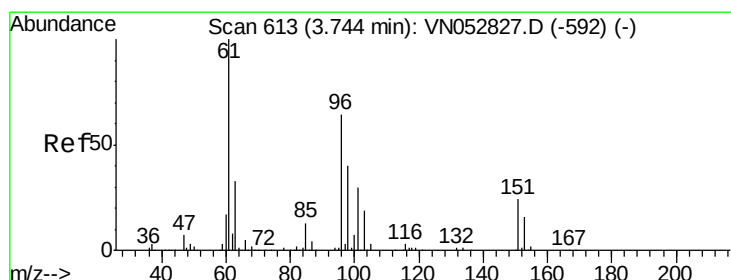
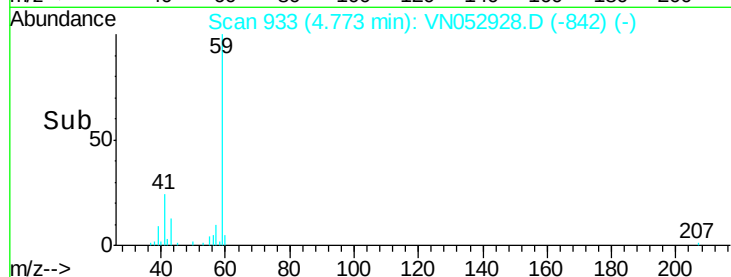
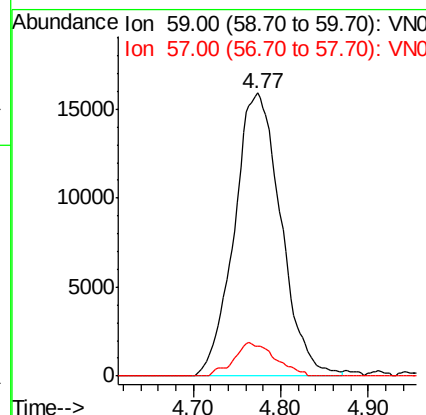
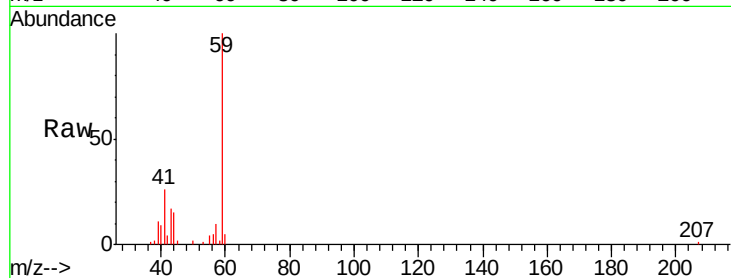
Tert butyl alcohol
 Concen: 94.487 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.7	11.5

Manual Integrations
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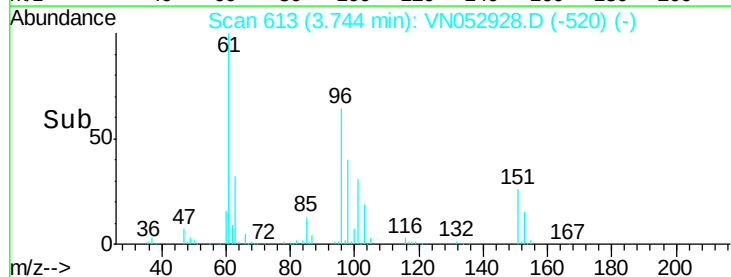
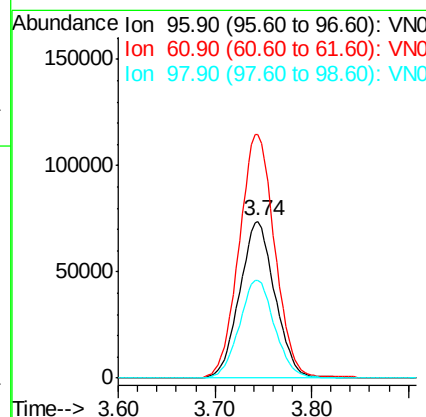
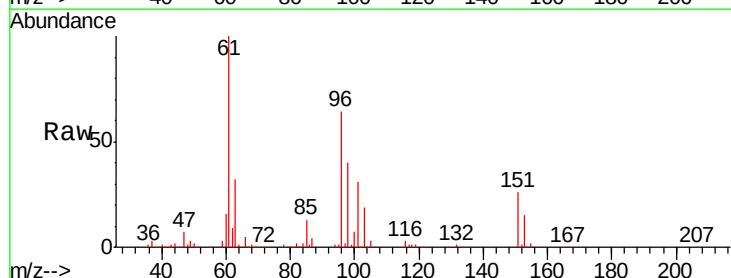
MMDadoda
 12/18/2018 1:33:25 PM

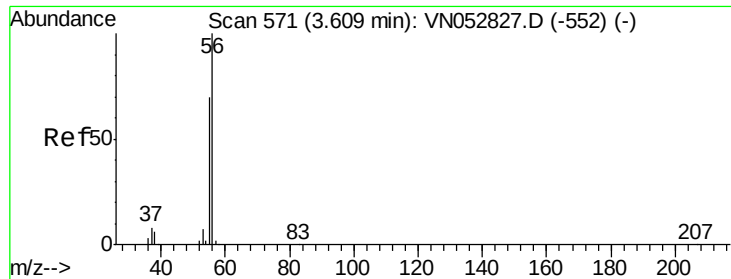


#12

1,1-Dichloroethene
 Concen: 19.417 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	125.6	188.4
98	62.5	50.6	75.8





#13

Acrolein

Concen: 48.883 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 56 Resp: 28619

Ion Ratio Lower Upper

56 100

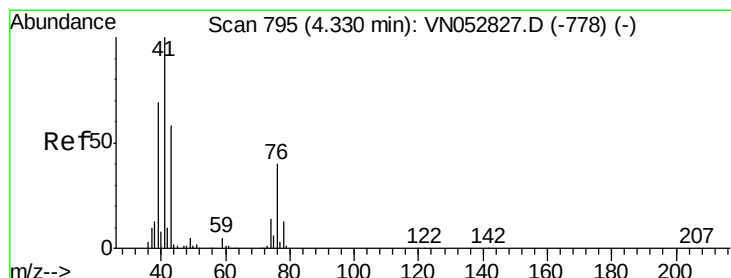
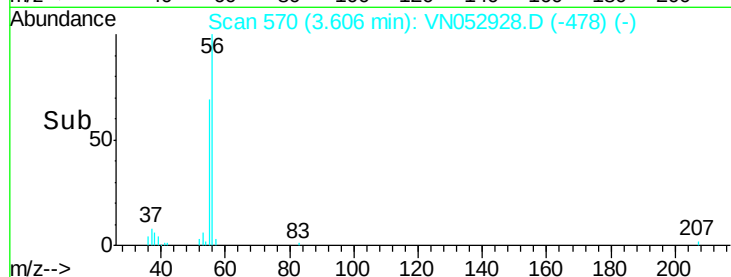
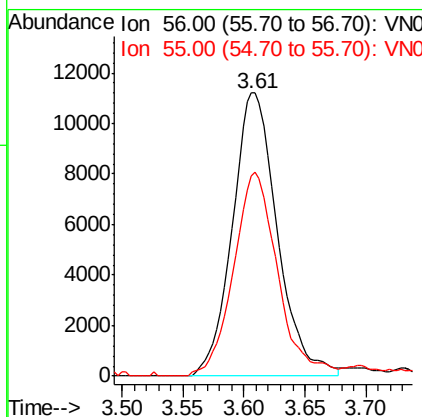
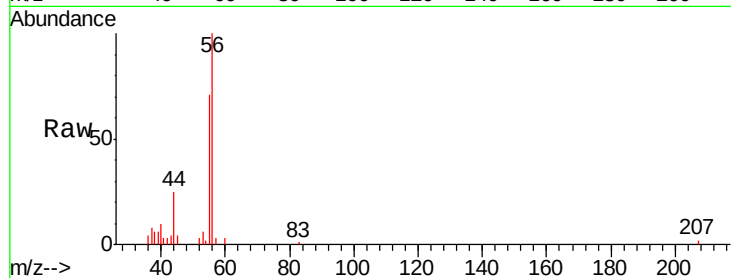
55 70.7 56.6 85.0

Manual Integrations

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MMDadoda

12/18/2018 1:33:25 PM



#14

Allyl chloride

Concen: 18.720 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

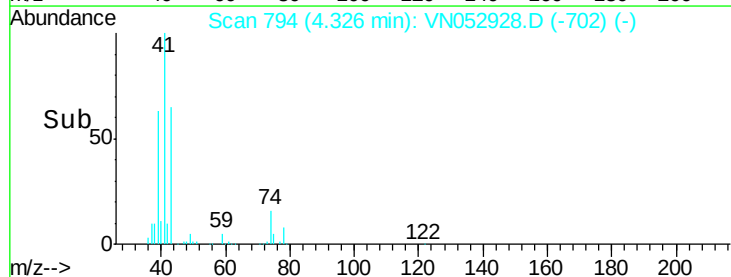
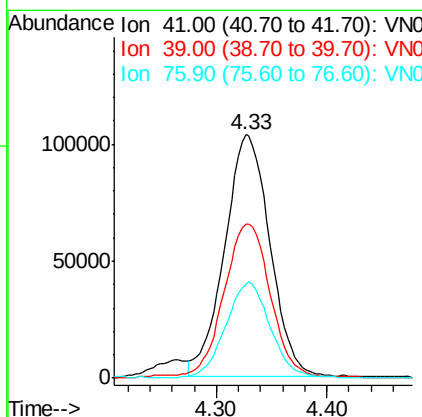
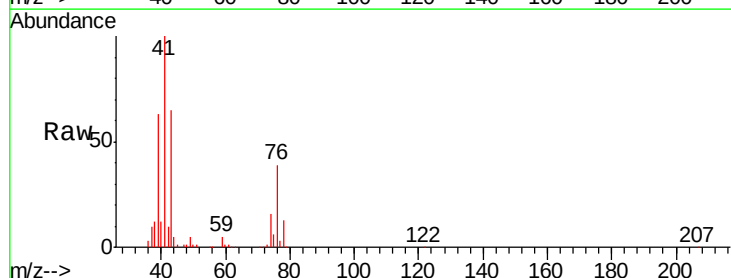
Tgt Ion: 41 Resp: 294224

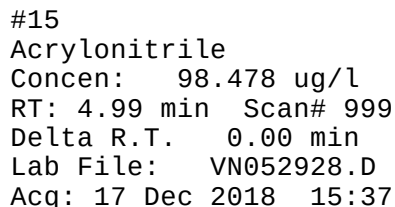
Ion Ratio Lower Upper

41 100

39 66.4 54.1 81.1

76 38.4 30.3 45.5



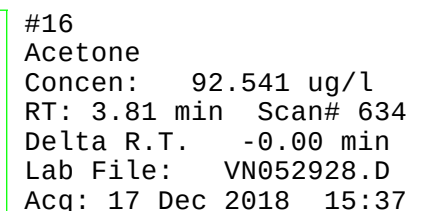
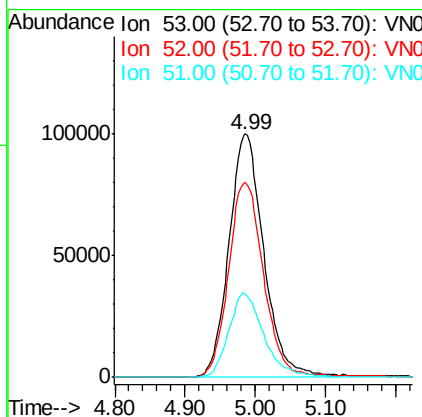


Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

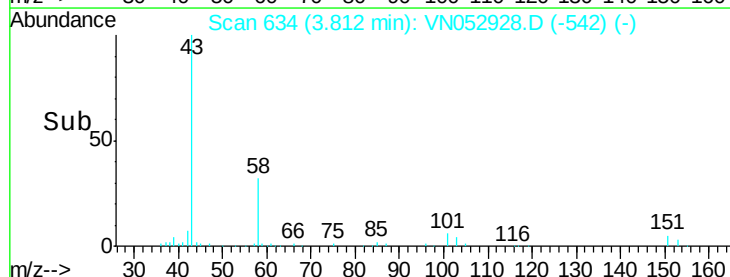
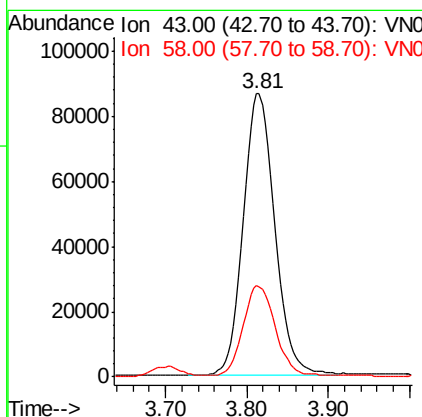
Manual Integrations
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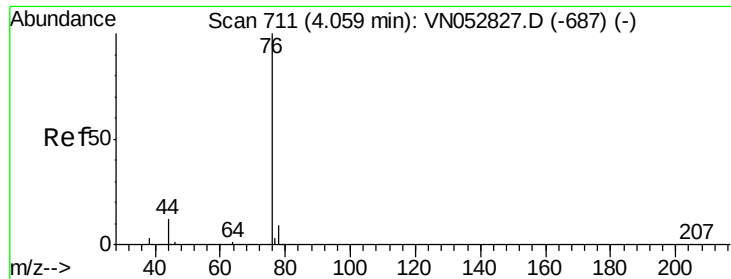
MMDadoda
12/18/2018 1:33:25 PM

Tgt	Ion: 53	Resp:	343543
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.1	97.7
51	35.2	28.1	42.1



Tgt Ion:	43	Resp:	231302
Ion Ratio	Lower	Upper	
43	100		
58	31.8	25.4	38.0





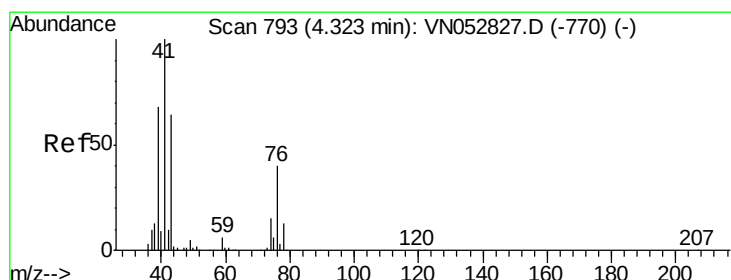
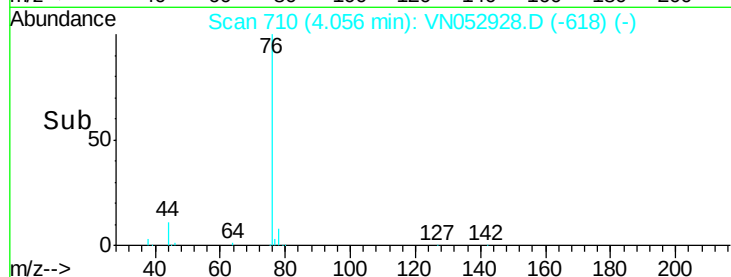
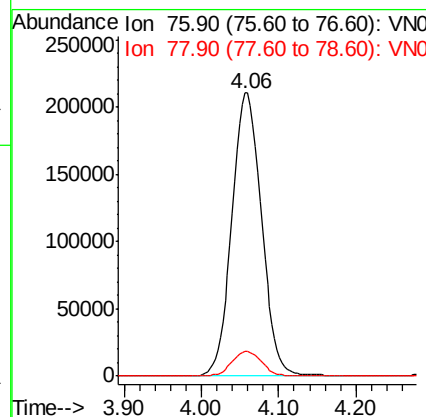
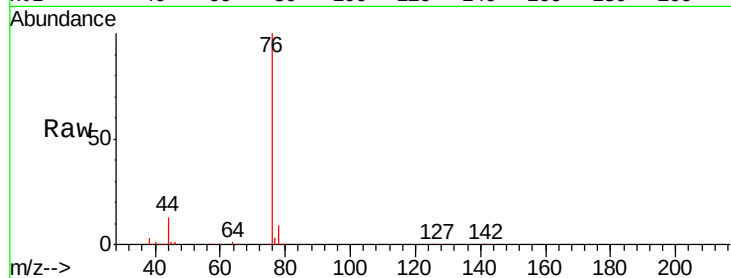
#17
Carbon Disulfide
Concen: 18.968 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

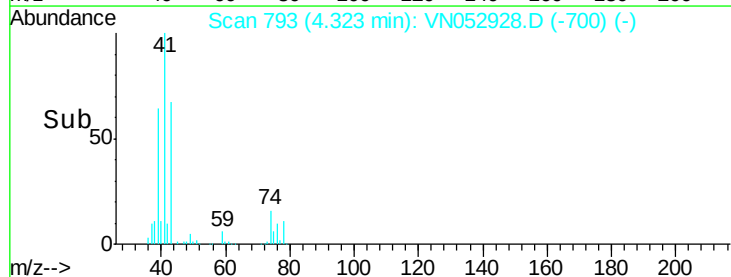
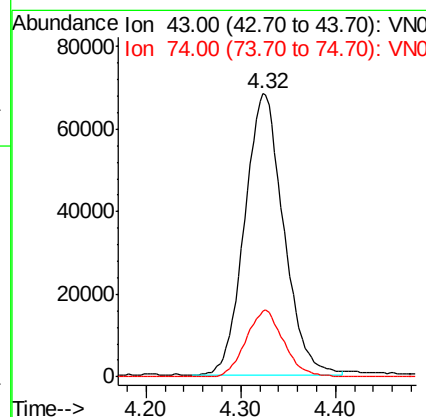
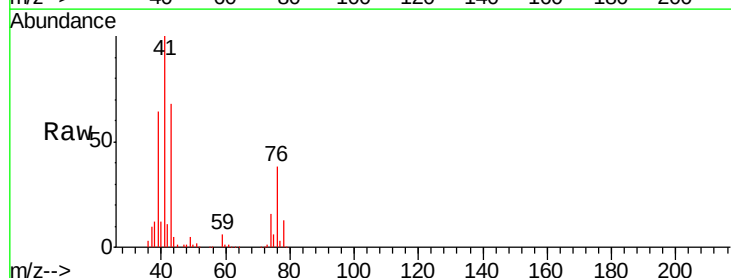
Manual Integrations
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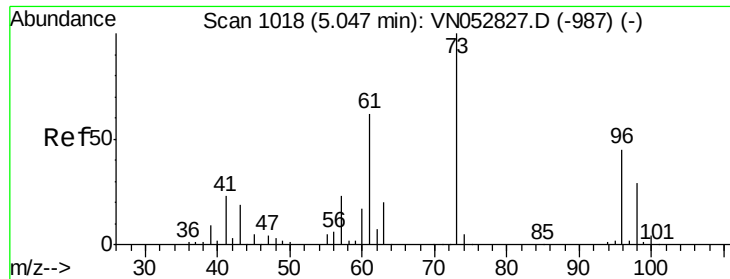
MMDadoda
12/18/2018 1:33:25 PM



#18
Methyl Acetate
Concen: 21.251 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8





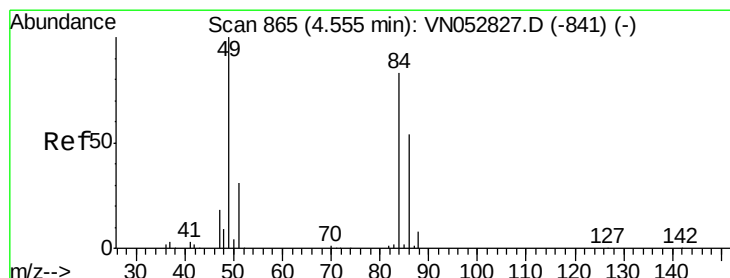
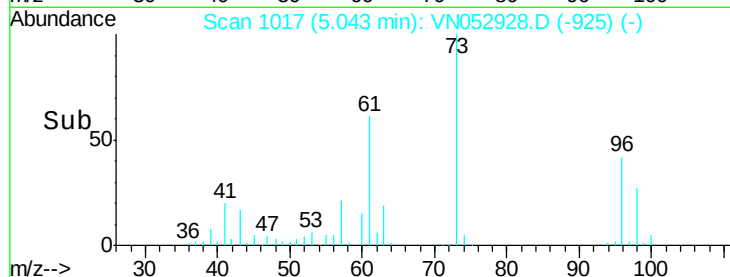
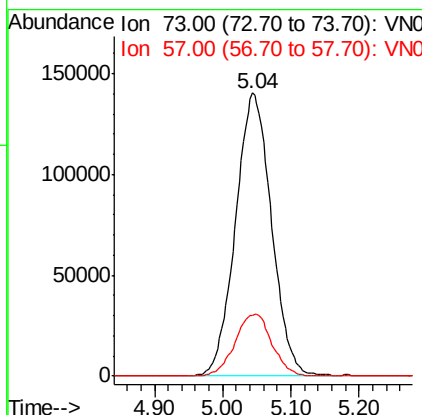
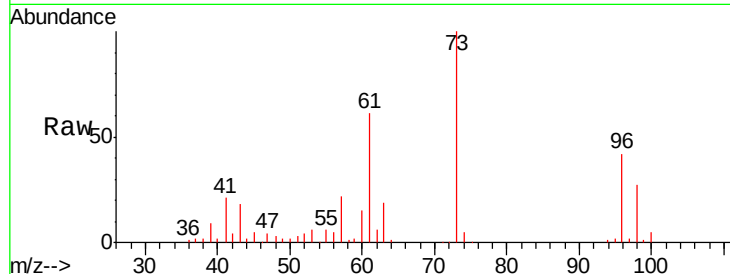
#19
Methyl tert-butyl Ether
Concen: 19.703 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion: 73 Resp: 514726
Ion Ratio Lower Upper
73 100
57 21.6 18.4 27.6

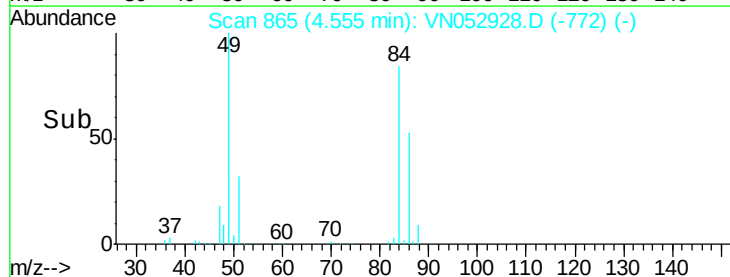
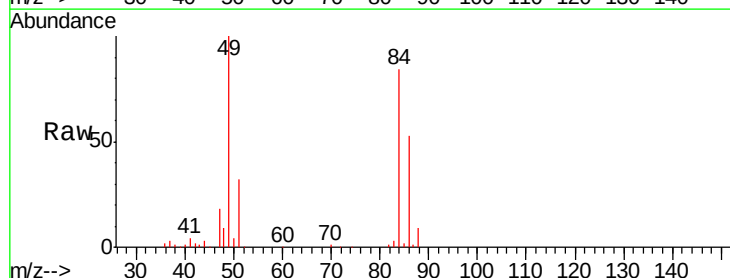
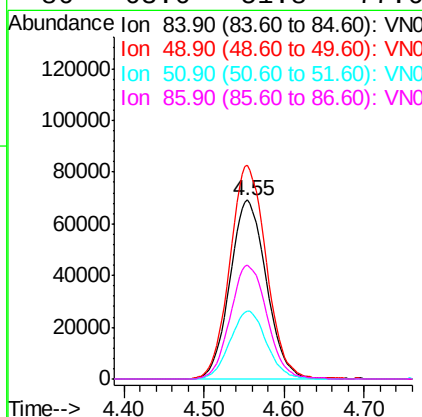
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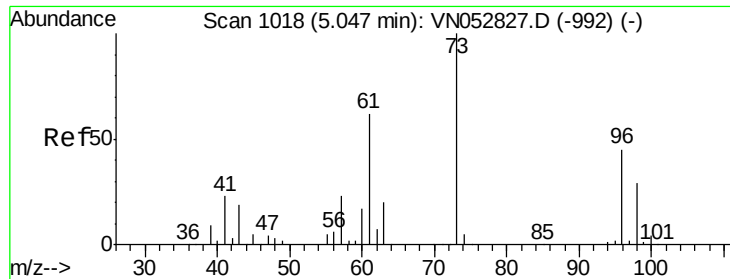
MMDadoda
12/18/2018 1:33:25 PM



#20
Methylene Chloride
Concen: 19.067 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 84 Resp: 214470
Ion Ratio Lower Upper
84 100
49 119.6 96.8 145.2
51 38.2 29.9 44.9
86 63.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.744 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

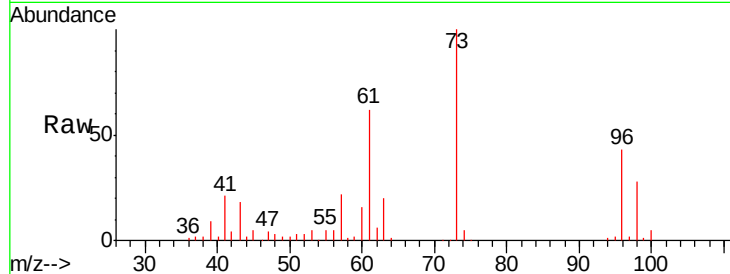
ClientSampleId :

VN1217WBSD01

Tgt Ion:	96	Resp:	195416
Ion	Ratio	Lower	Upper
96	100		
61	143.0	110.8	166.2
98	64.5	51.4	77.2

Manual Integrations
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MMDadoda
12/18/2018 1:33:25 PM

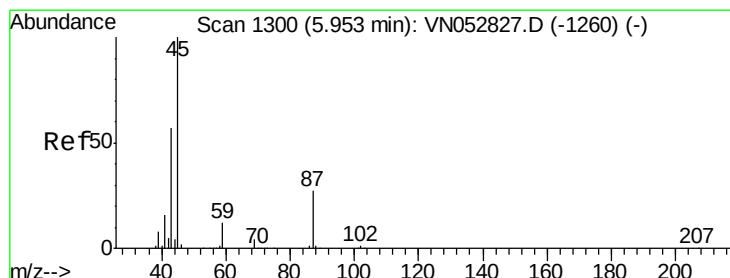
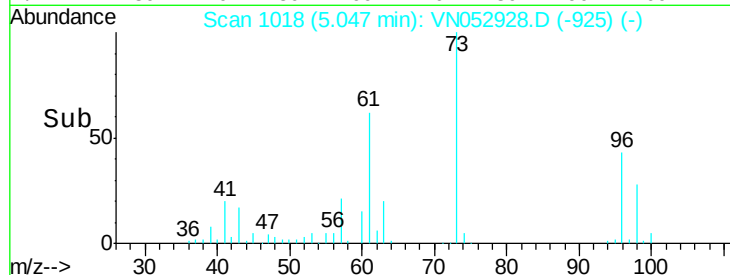
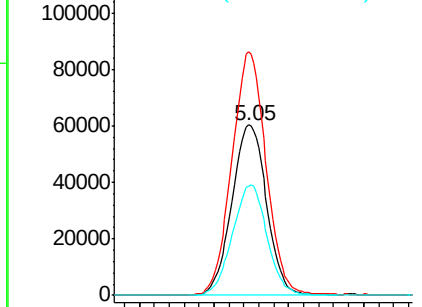


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.738 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion:	45	Resp:	661824
Ion	Ratio	Lower	Upper
45	100		
43	58.2	45.5	68.3
87	28.0	22.0	33.0
59	11.6	9.4	14.0

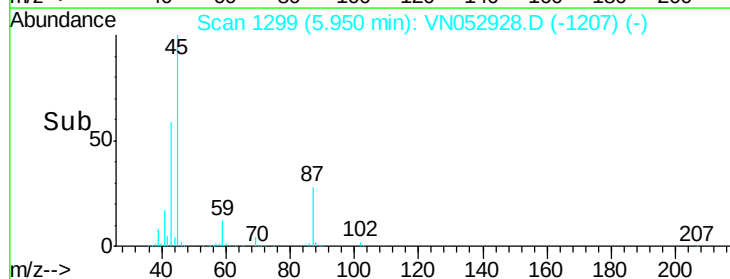
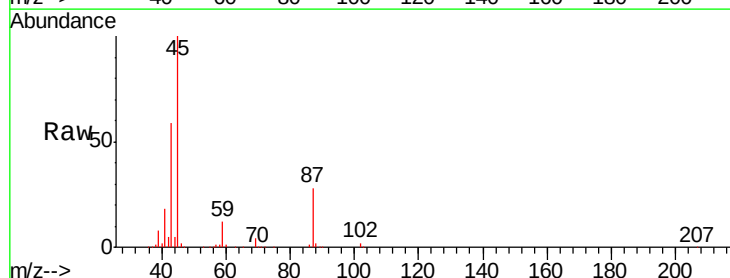
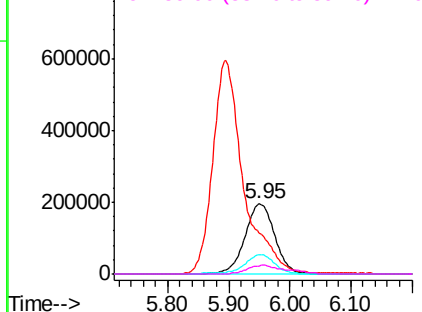
Abundance

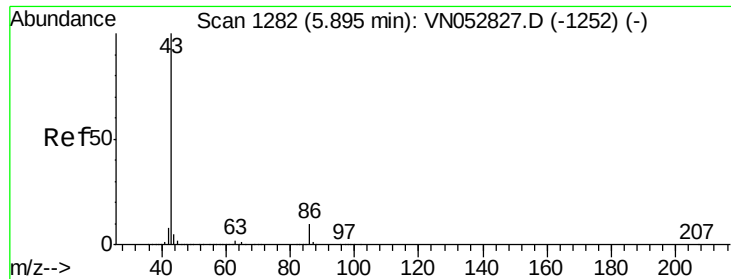
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 103.877 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 43 Resp: 2072575

Ion Ratio Lower Upper

43 100

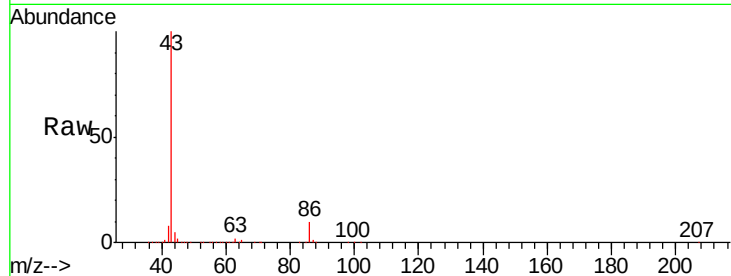
86 10.1 8.1 12.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

600000

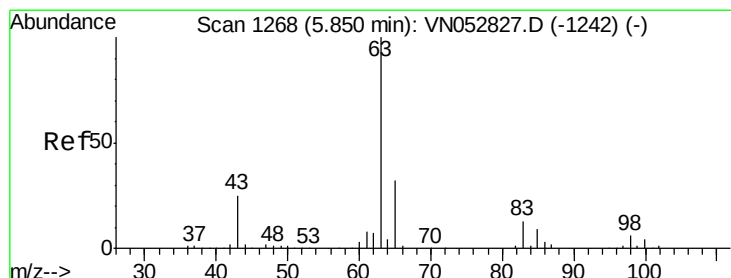
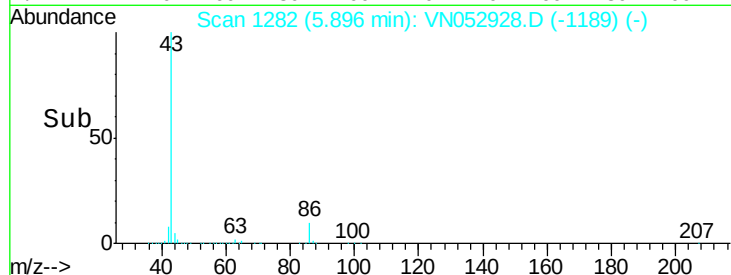
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.616 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

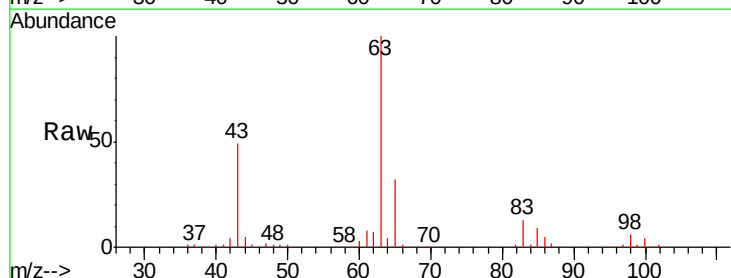
Tgt Ion: 63 Resp: 379303

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

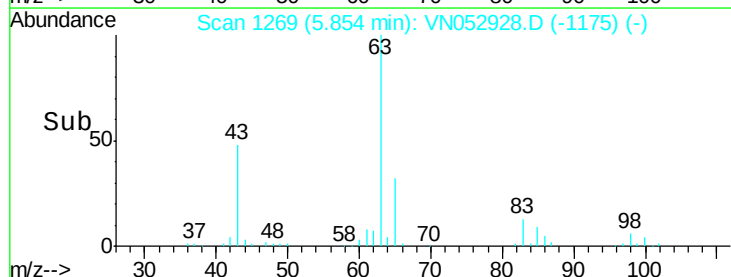
100000

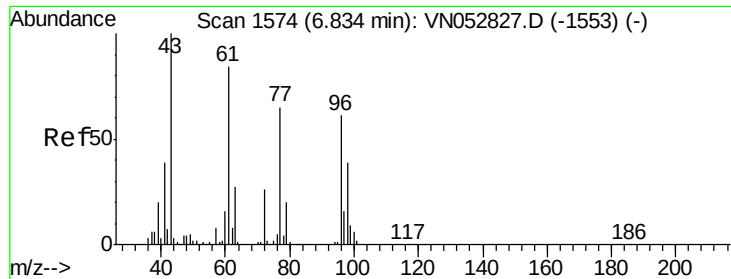
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 91.932 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 43 Resp: 356539

Ion Ratio Lower Upper

43 100

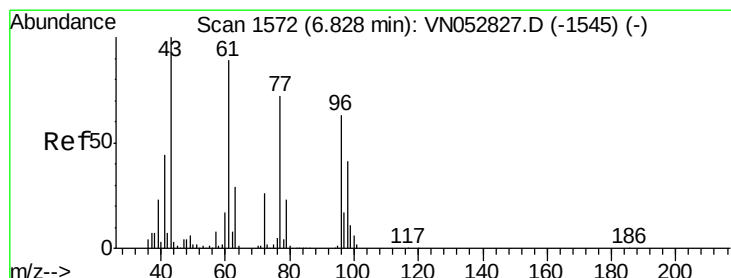
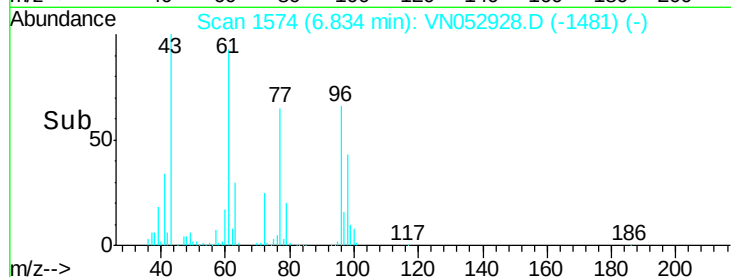
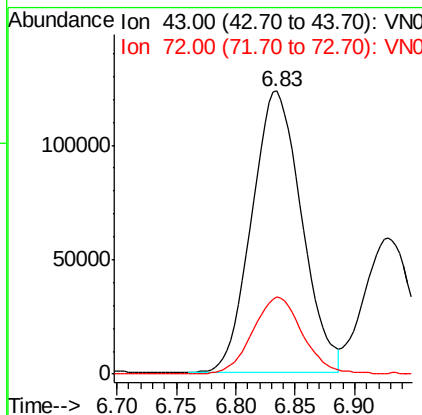
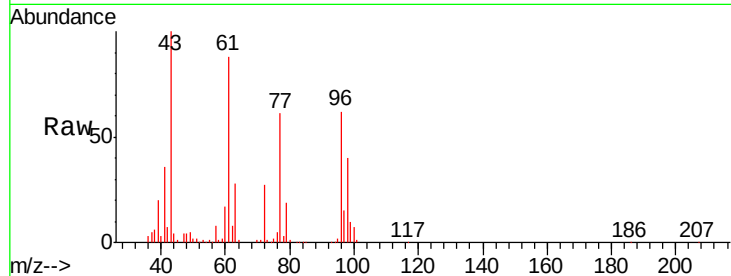
72 27.5 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

12/18/2018 1:33:25 PM



#26

2,2-Dichloropropane

Concen: 18.100 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052928.D

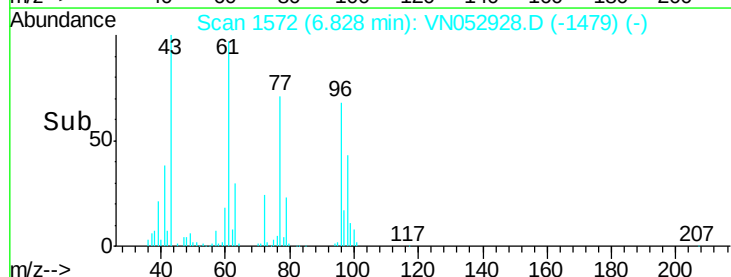
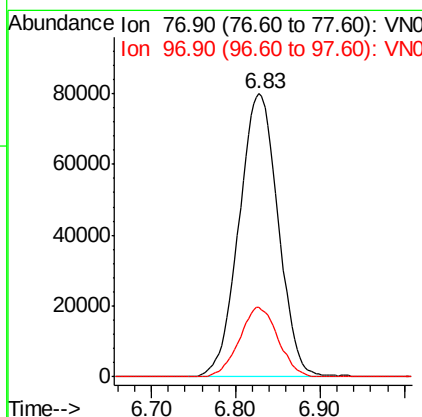
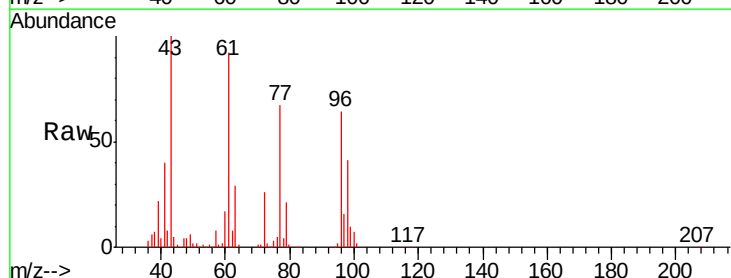
Acq: 17 Dec 2018 15:37

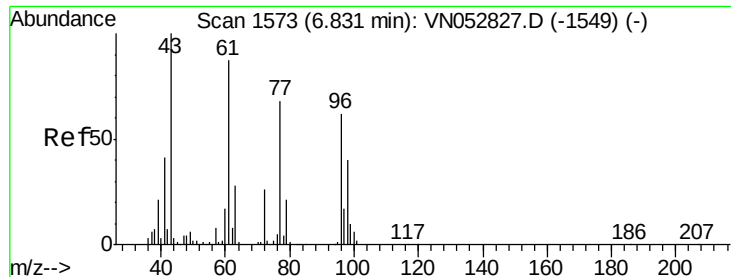
Tgt Ion: 77 Resp: 257731

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.457 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

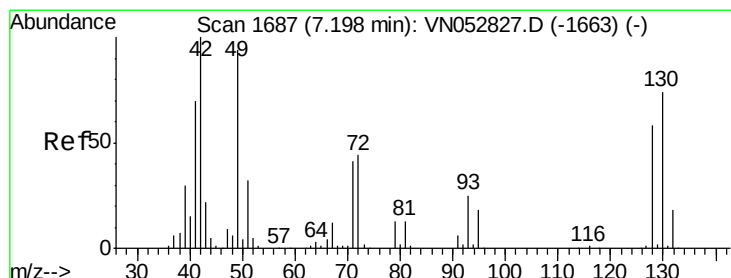
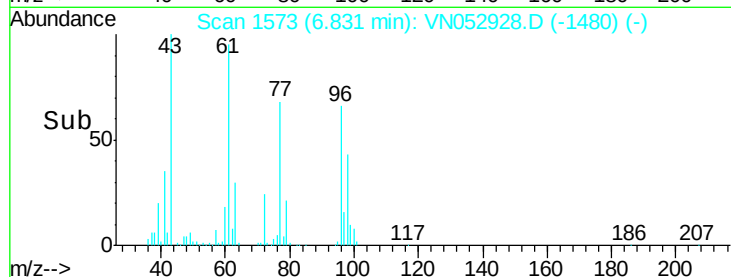
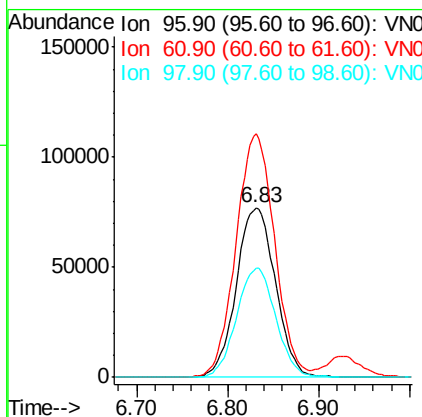
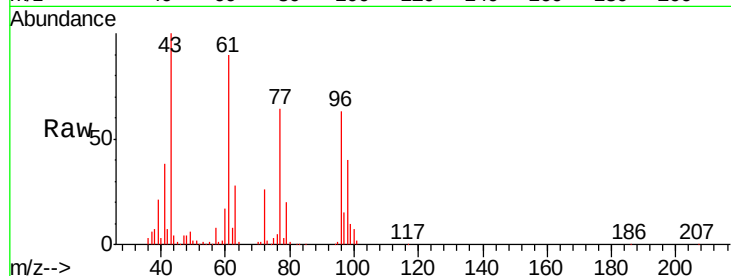
ClientSampleId :

VN1217WBSD01

Tgt Ion:	96	Resp:	230224
Ion Ratio	Lower	Upper	
96	100		
61	141.9	0.0	284.2
98	64.6	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 21.633 ug/l

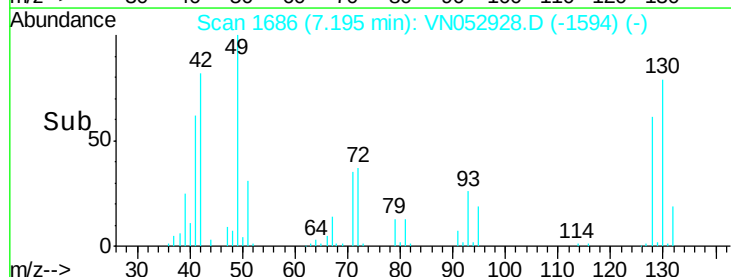
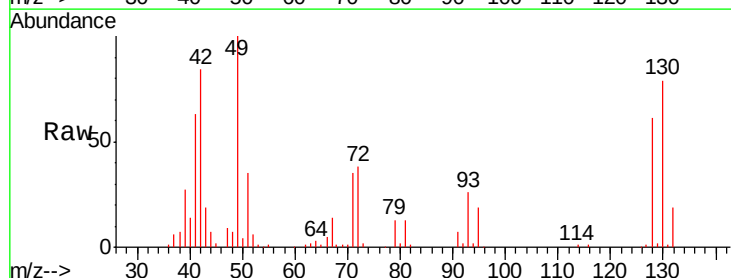
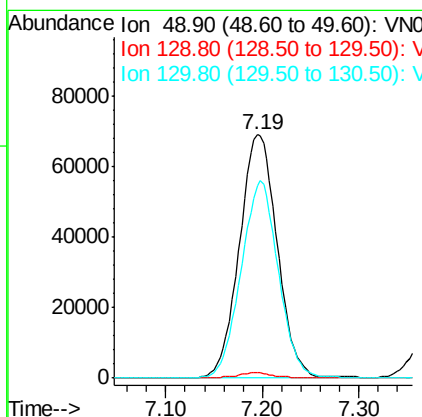
RT: 7.19 min Scan# 1686

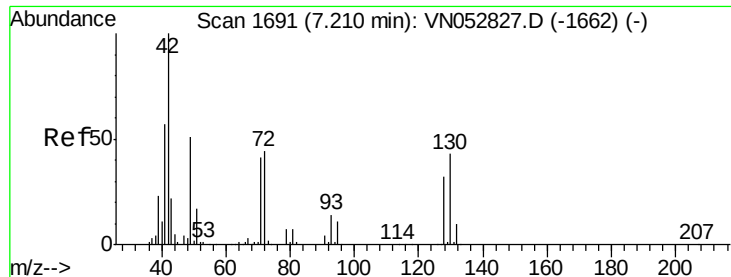
Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion:	49	Resp:	187833
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	79.9	63.3	94.9





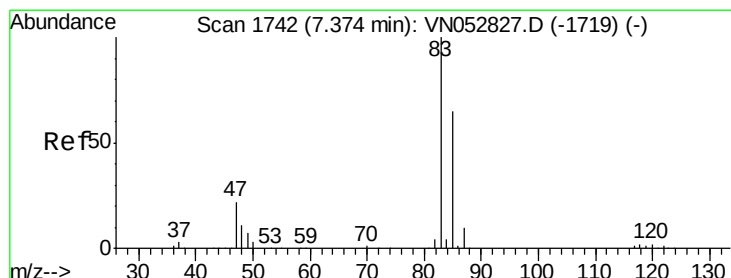
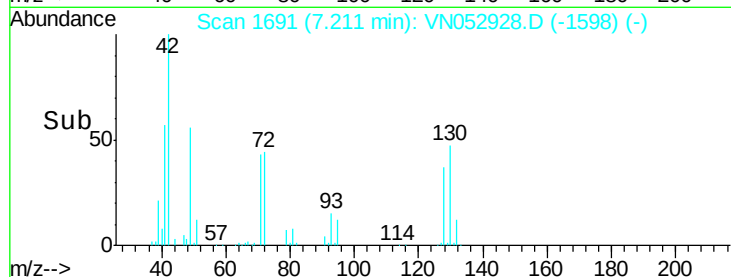
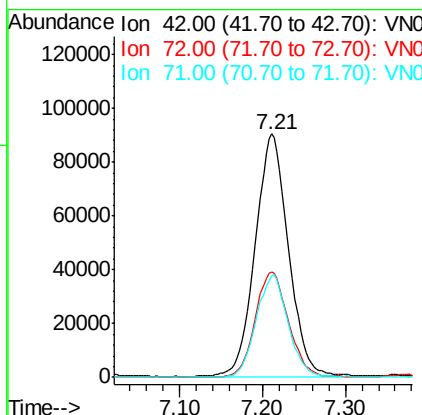
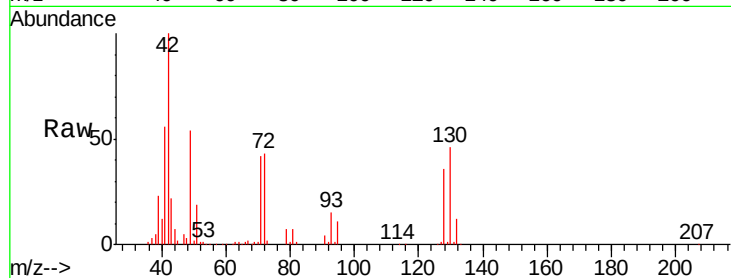
#29
Tetrahydrofuran
Concen: 94.866 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.7	52.1
71	40.8	32.3	48.5

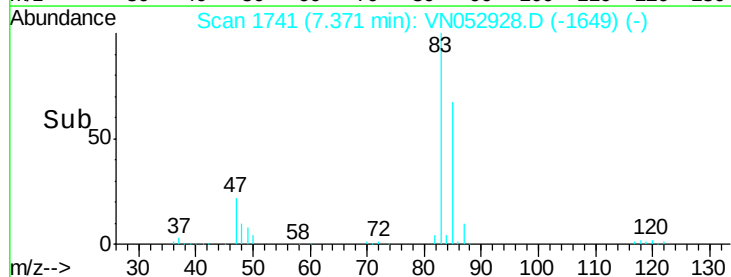
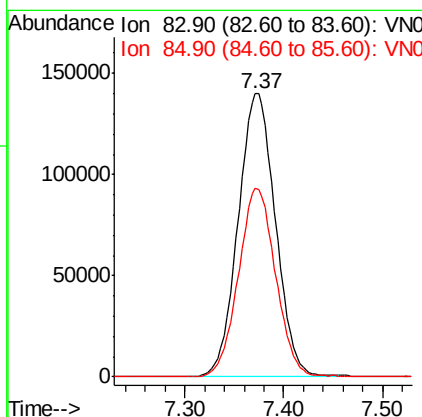
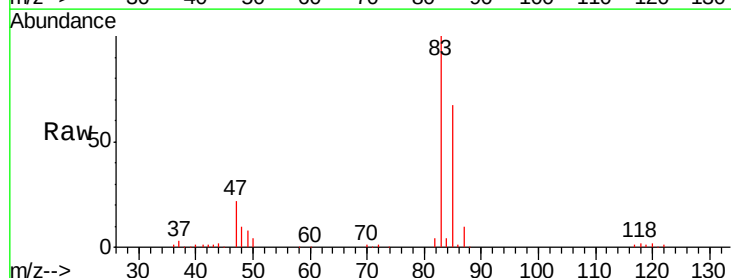
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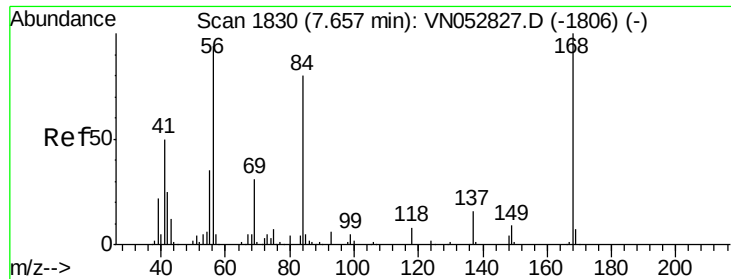
MMDadoda
12/18/2018 1:33:25 PM



#30
Chloroform
Concen: 19.430 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.1	78.1





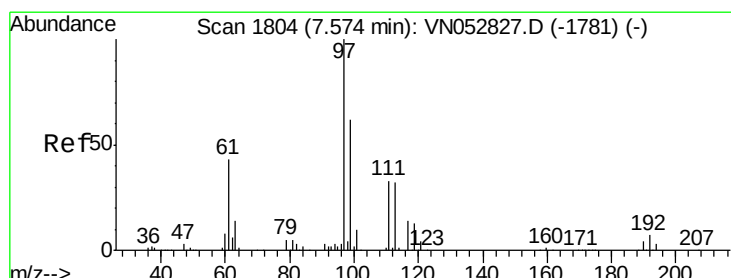
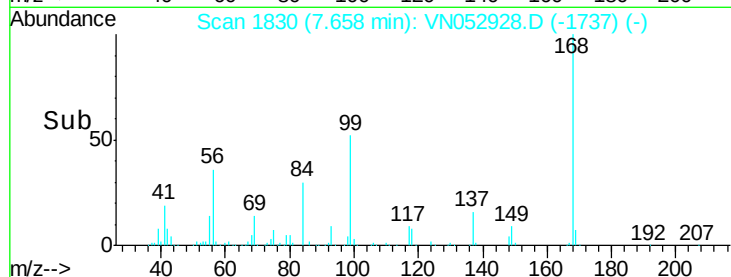
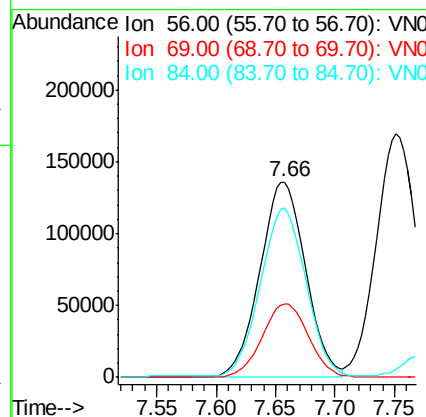
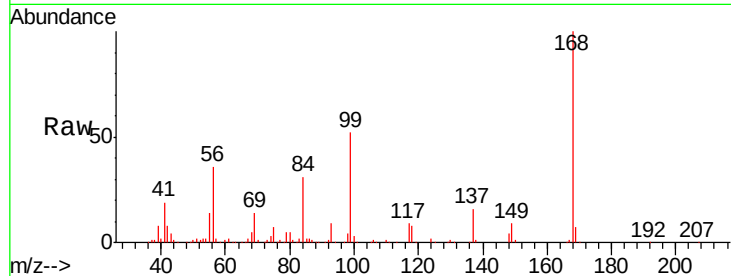
#31
Cyclohexane
Concen: 18.818 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.4	26.6	39.8
84	85.3	68.4	102.6

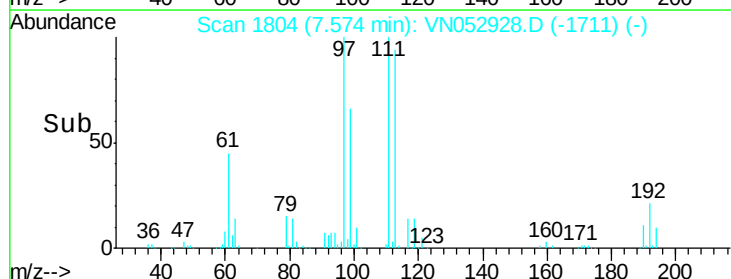
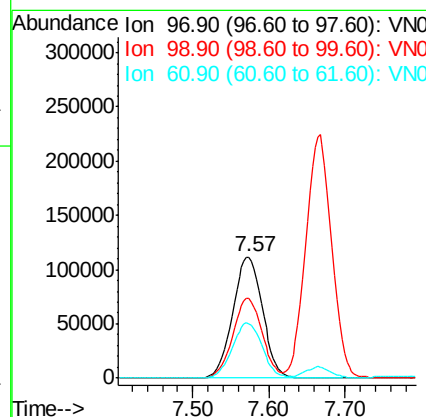
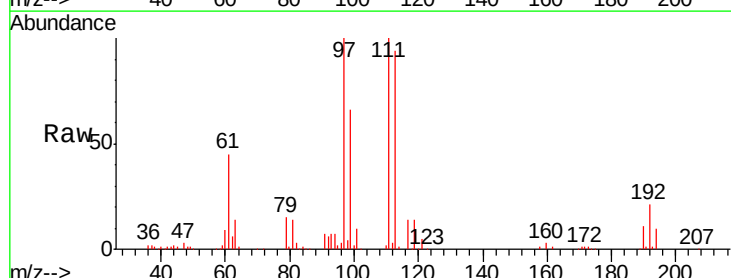
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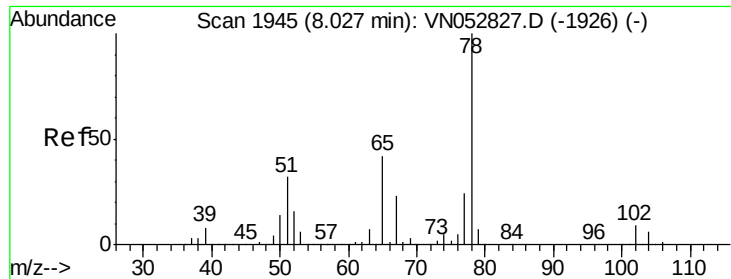
MMDadoda
12/18/2018 1:33:25 PM



#32
1,1,1-Trichloroethane
Concen: 19.297 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	45.6	35.0	52.6





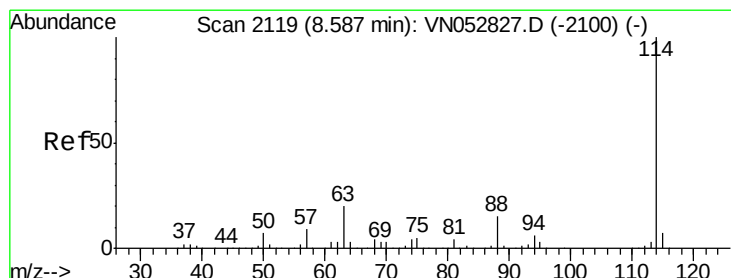
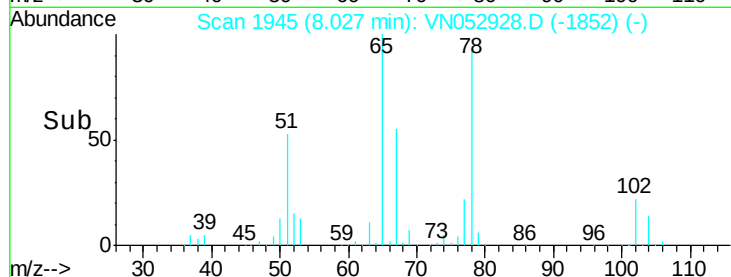
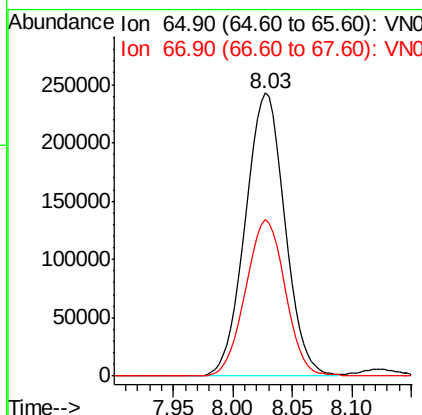
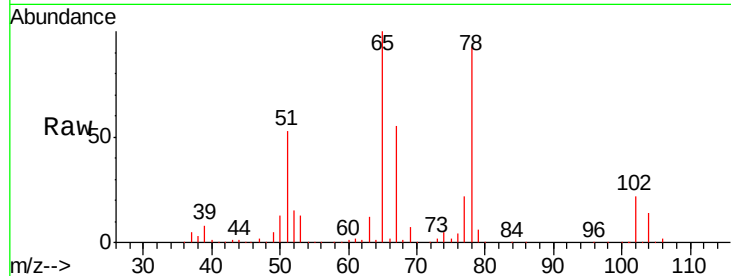
#33
 1,2-Dichloroethane-d4
 Concen: 19.297 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tgt Ion: 65 Resp: 561103
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.4

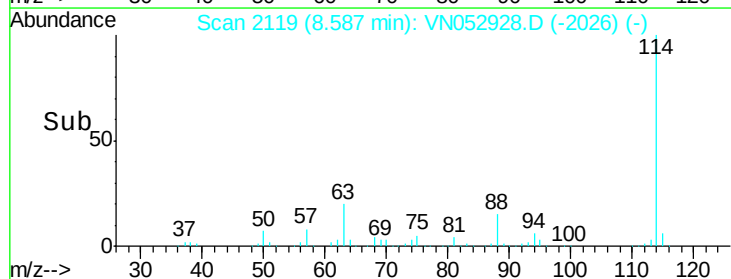
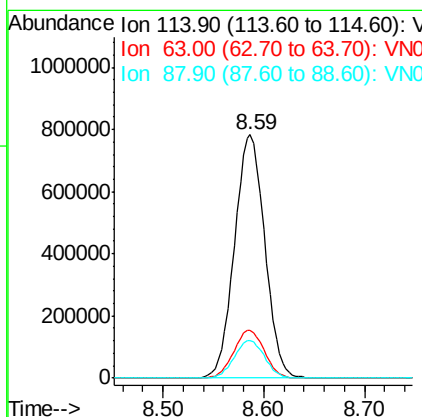
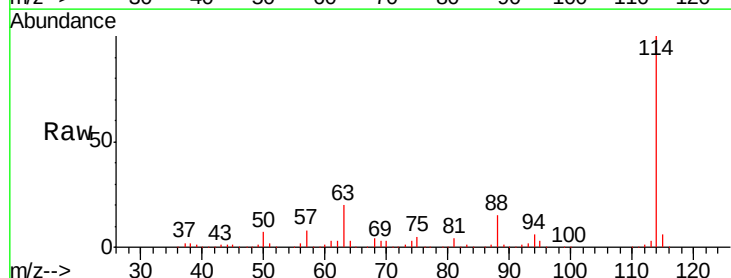
Manual Integrations
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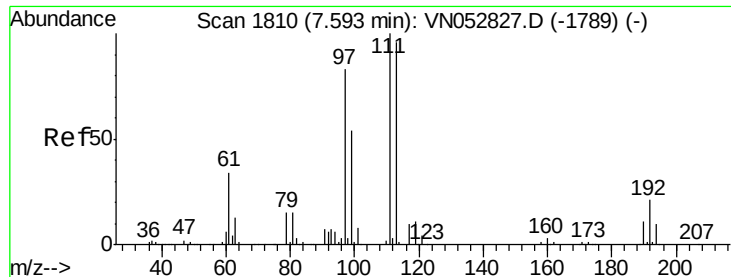
MMDadoda
 12/18/2018 1:33:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion: 114 Resp: 1631663
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0





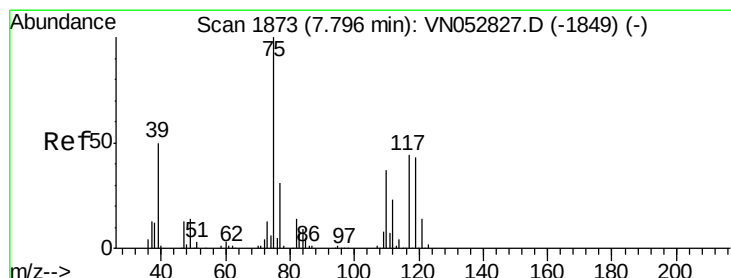
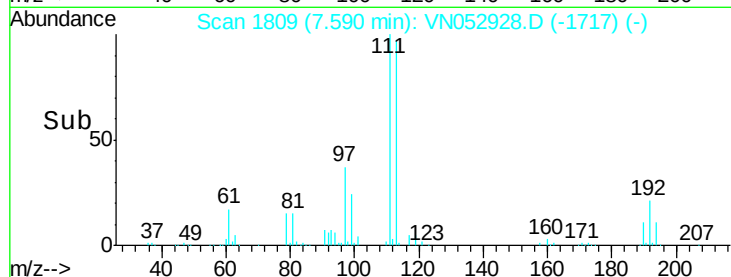
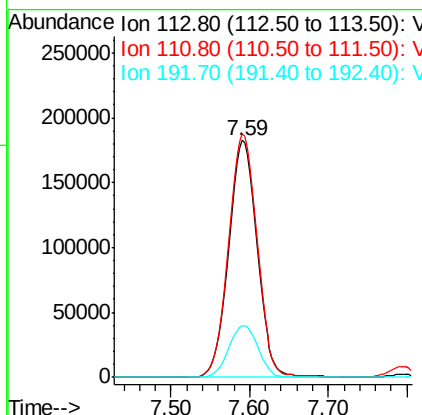
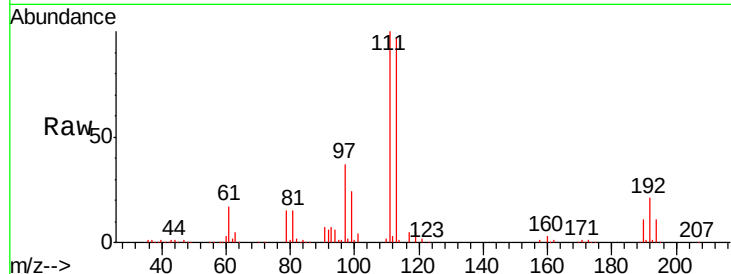
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	457987		
111	103.4	83.0	124.4	
192	22.5	17.5	26.3	

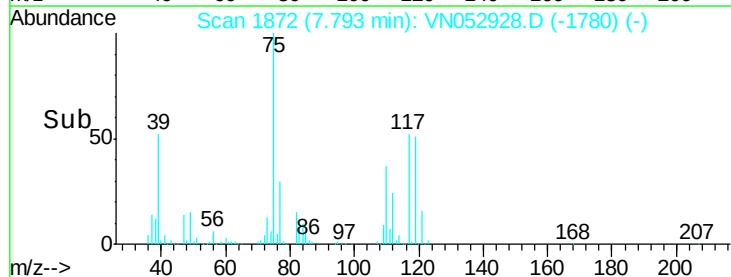
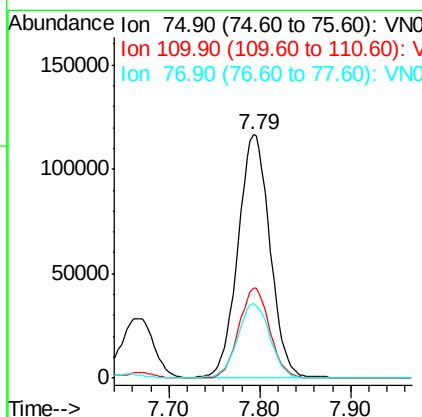
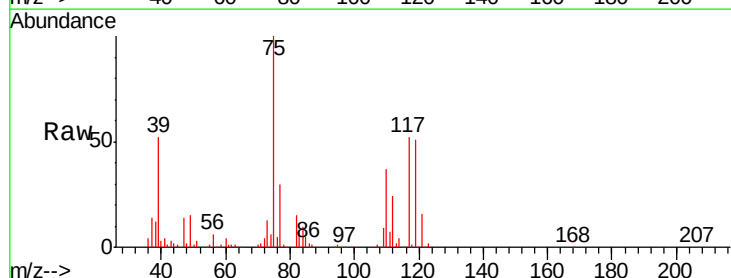
Manual Integrations
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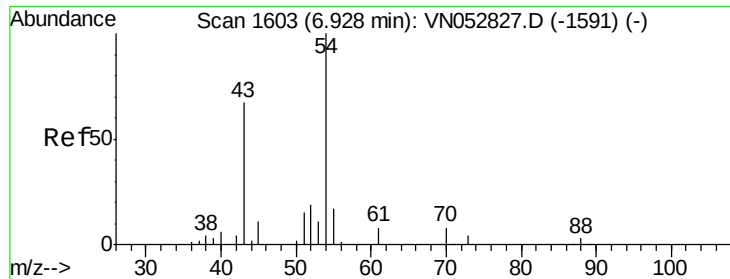
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.826 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	282872		
110	36.0	18.2	54.6	
77	31.4	24.9	37.3	





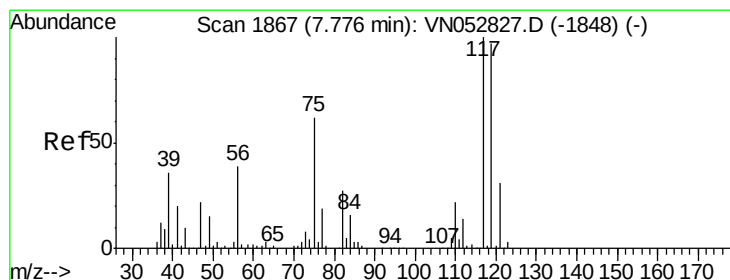
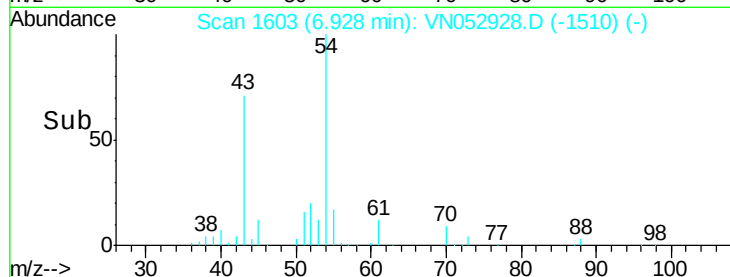
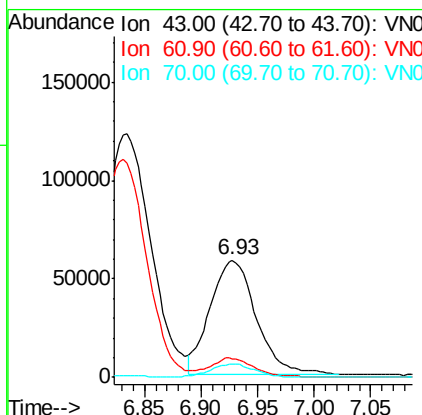
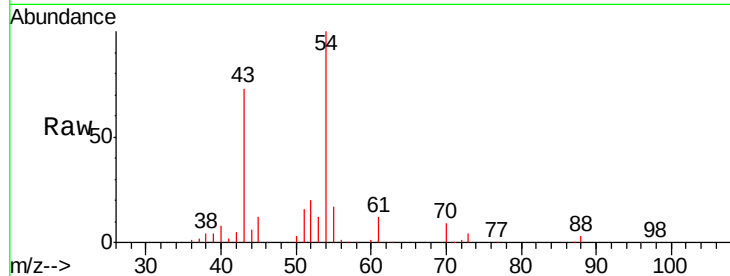
#37
Ethyl Acetate
Concen: 18.283 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	11.5	8.4	12.6

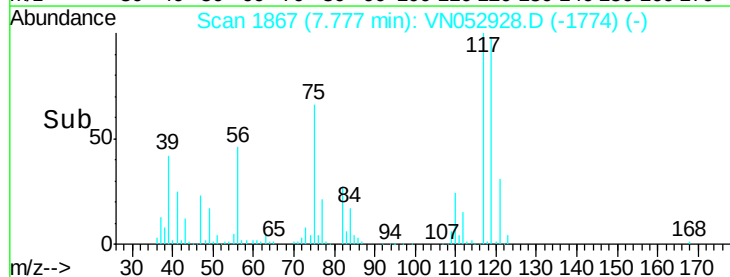
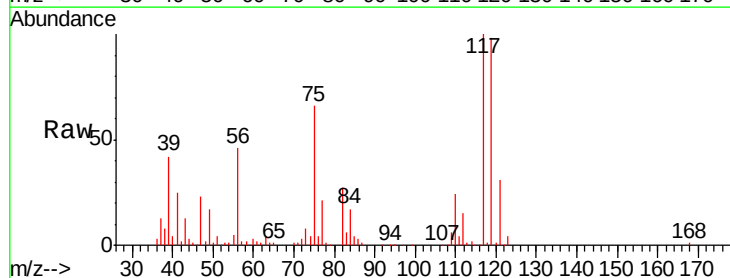
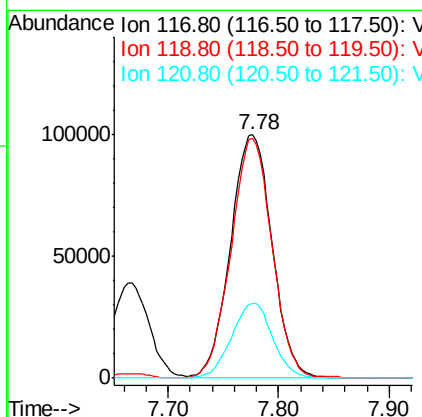
Manual Integrations
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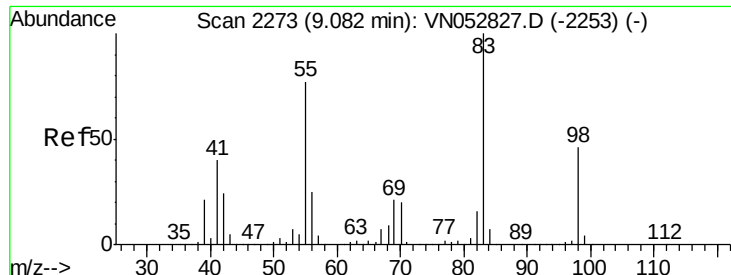
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.758 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.1	115.7
121	30.9	24.9	37.3





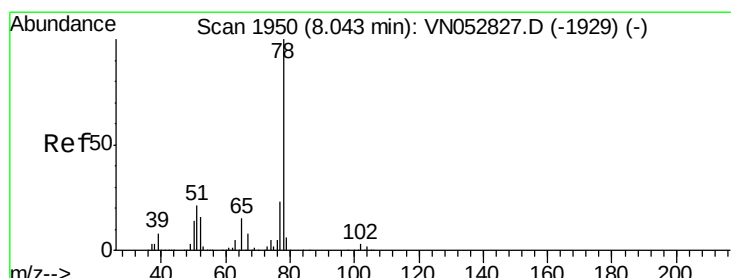
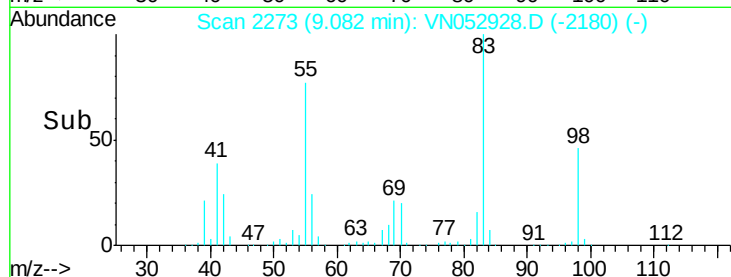
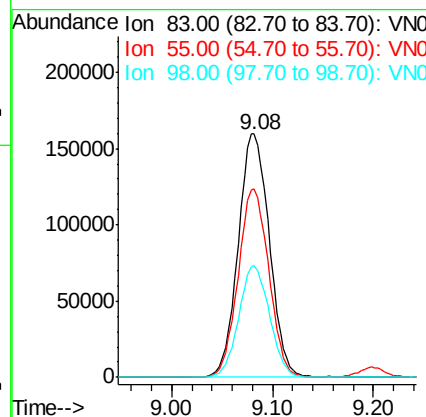
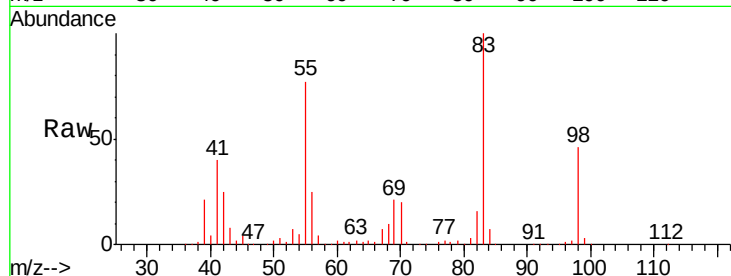
#39
Methylcyclohexane
Concen: 18.573 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.3	91.9
98	46.1	37.0	55.4

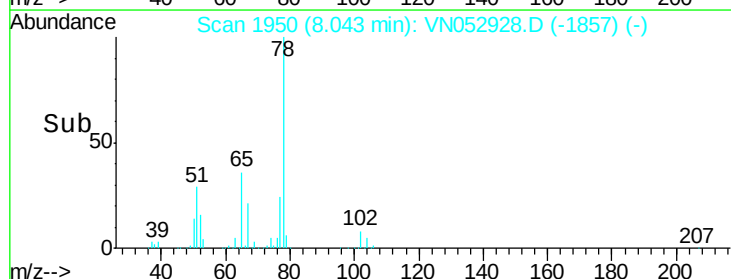
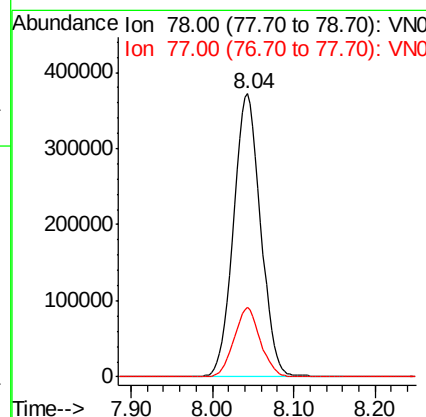
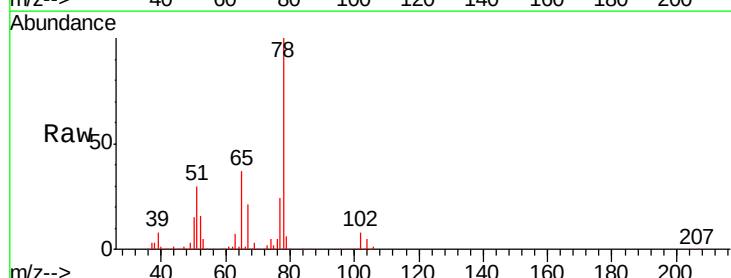
Manual Integrations
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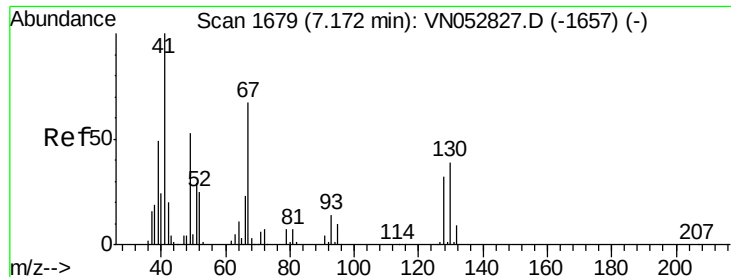
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#40
Benzene
Concen: 19.214 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.5	27.7





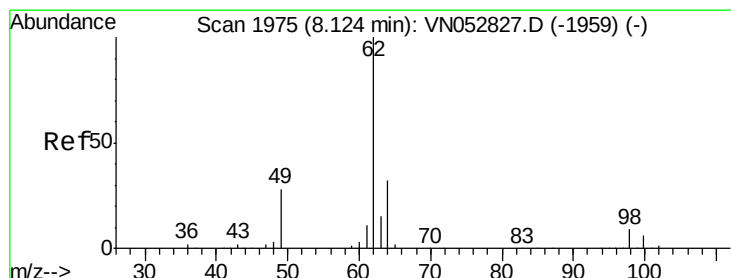
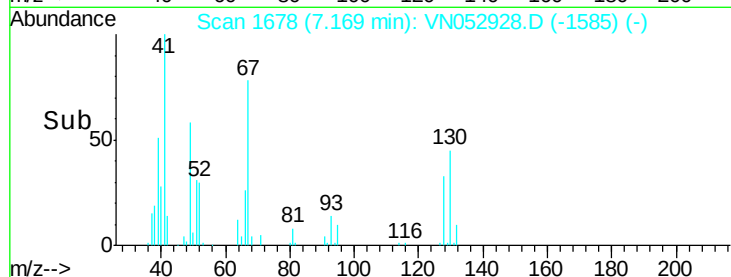
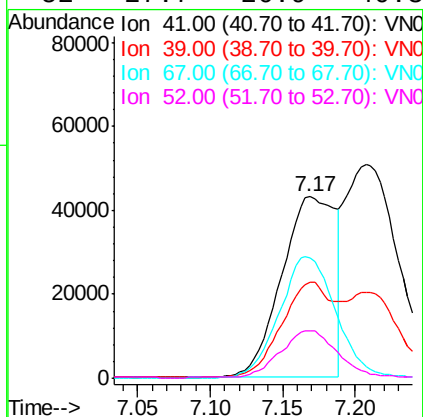
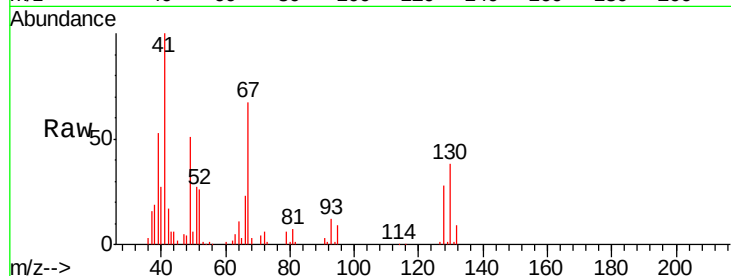
#41
Methacrylonitrile
Concen: 22.150 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampled :
VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.6	48.0	72.0
67	71.6	70.3	105.5
52	27.7	26.9	40.3

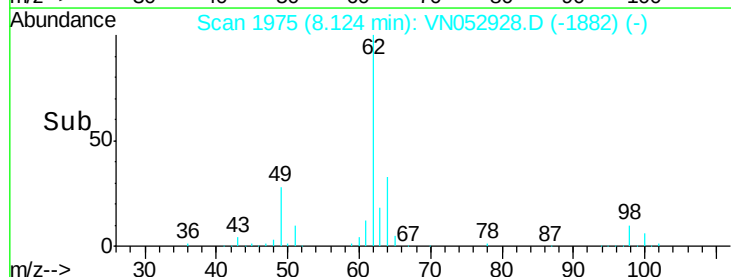
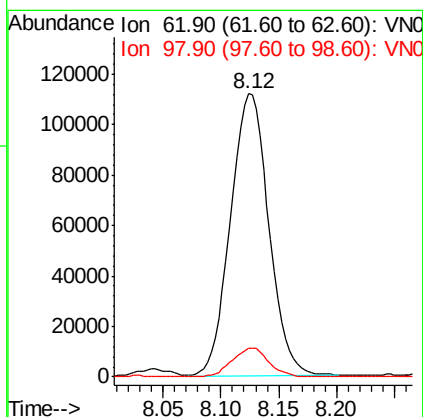
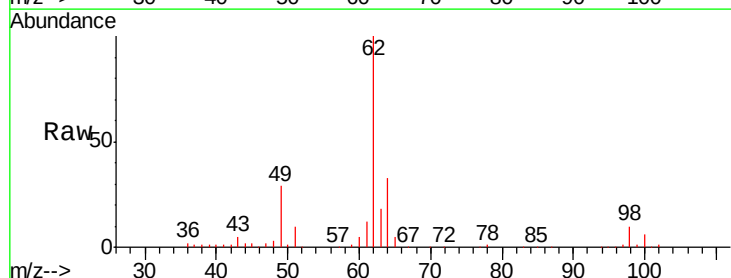
Manual Integrations
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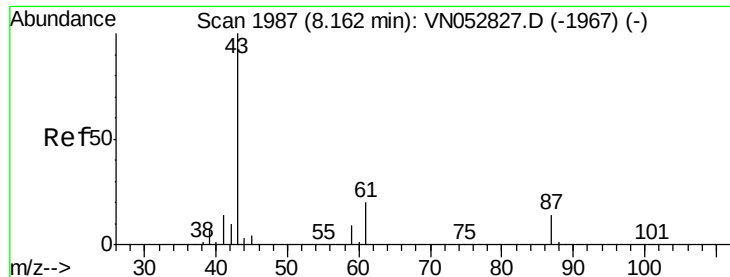
MMDadoda
12/18/2018 1:33:25 PM



#42
1,2-Dichloroethane
Concen: 18.868 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.0





#43

Isopropyl Acetate

Concen: 25.292 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

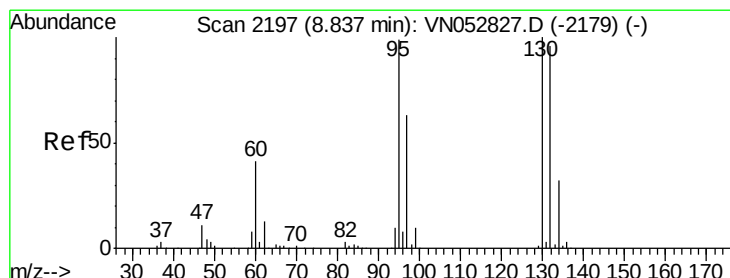
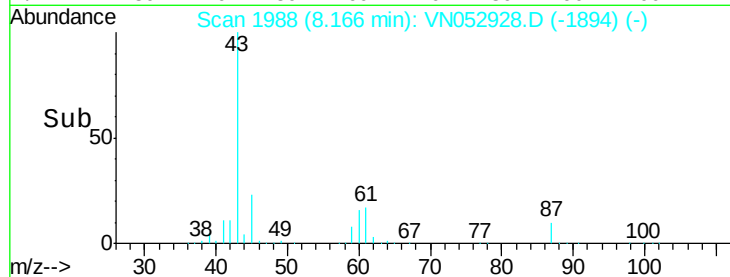
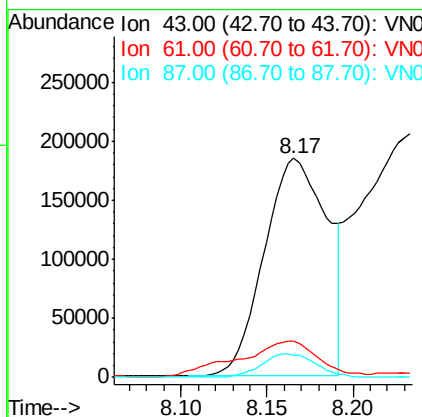
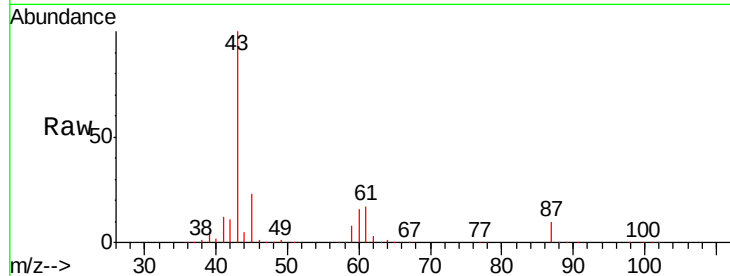
ClientSampleId :

VN1217WBSD01

Tgt Ion:	43	Resp:	468069
Ion Ratio	Lower	Upper	
43	100		
61	20.8	22.9	34.3#
87	9.3	10.6	15.8#

Manual Integrations
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#44

Trichloroethene

Concen: 19.245 ug/l

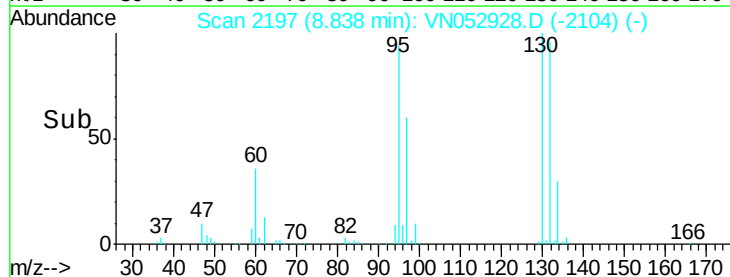
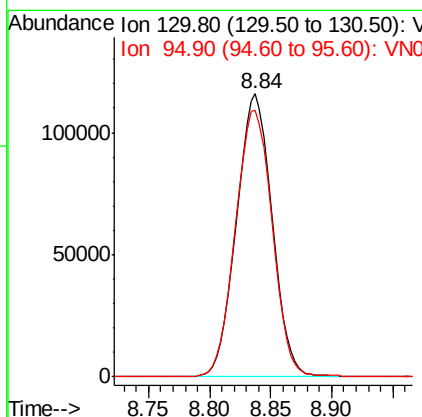
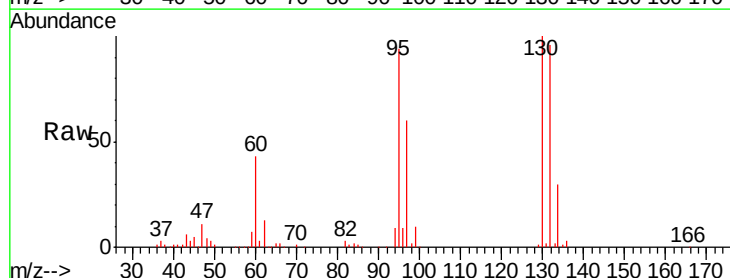
RT: 8.84 min Scan# 2197

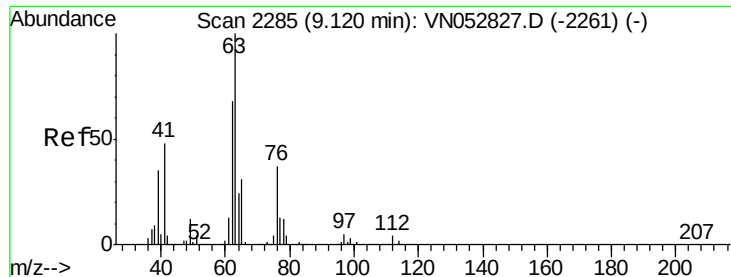
Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion:	130	Resp:	234425
Ion Ratio	Lower	Upper	
130	100		
95	94.3	0.0	197.8





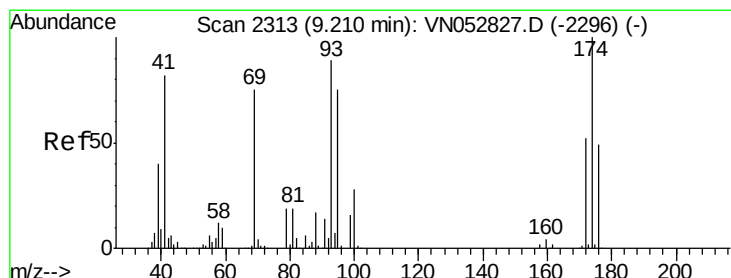
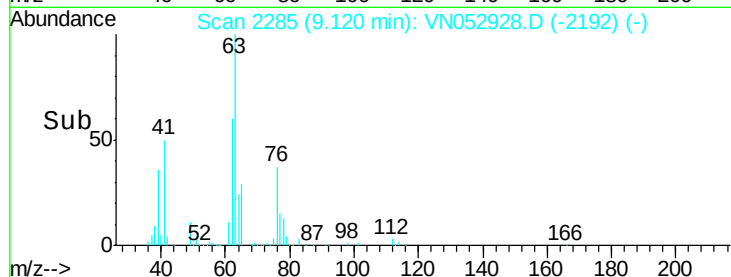
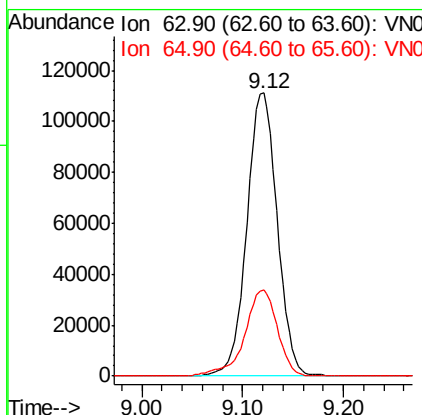
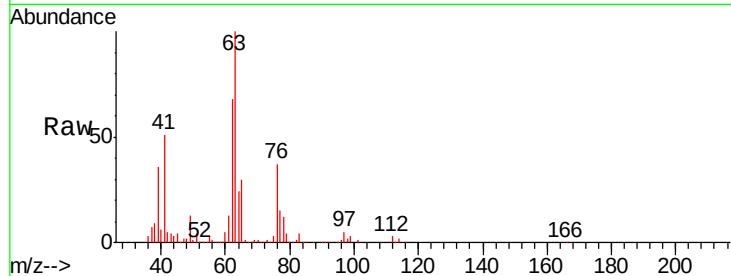
#45
 1,2-Dichloropropane
 Concen: 19.614 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tgt Ion: 63 Resp: 231678
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 37.0

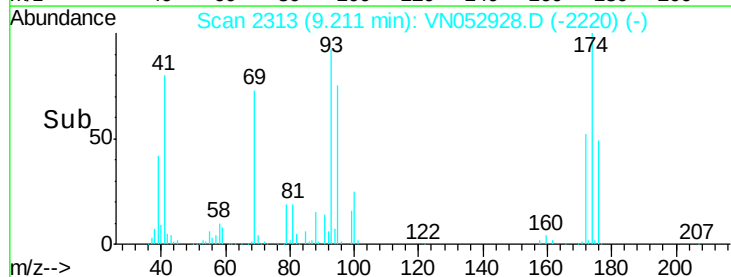
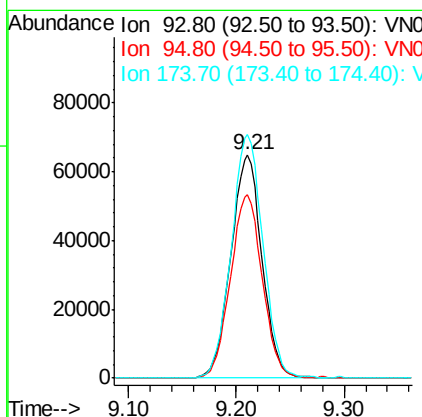
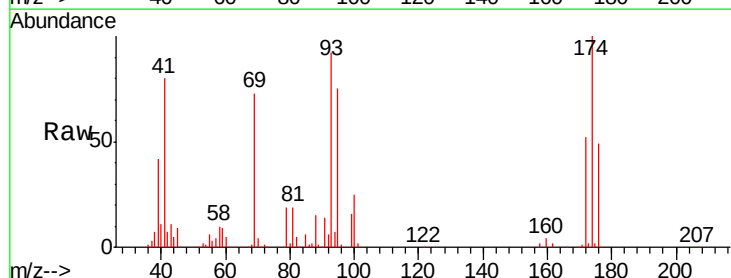
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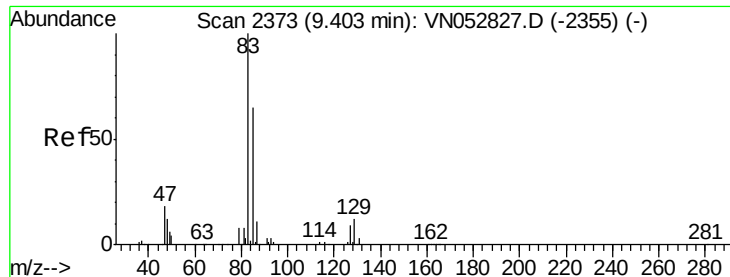
MMDadoda
 12/18/2018 1:33:25 PM



#46
 Dibromomethane
 Concen: 19.133 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion: 93 Resp: 131066
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.8 101.6
 174 110.9 89.0 133.4





#47

Bromodichloromethane

Concen: 19.797 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

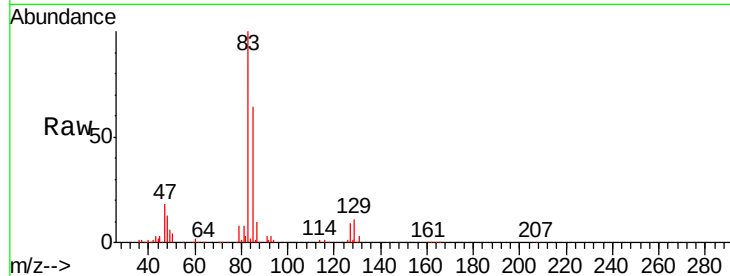
ClientSampleId :

VN1217WBSD01

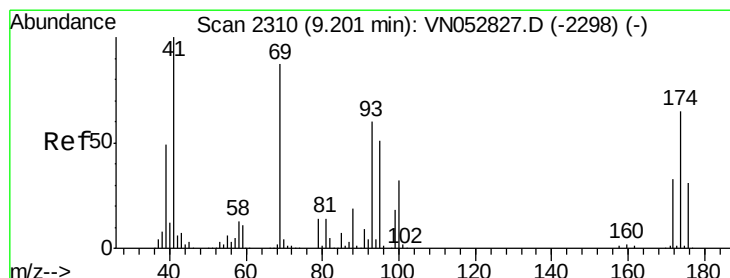
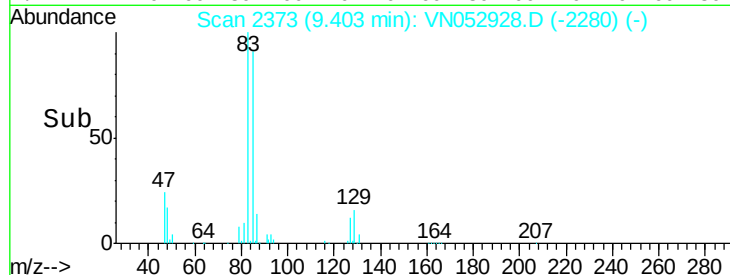
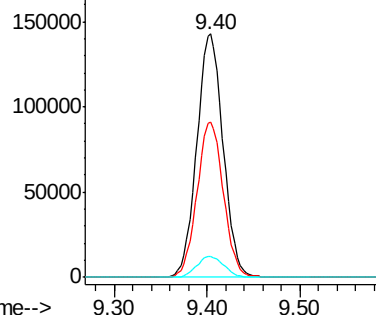
Tgt Ion:	83	Resp:	281226
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.6	77.4
127	8.6	7.1	10.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052928.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.687 ug/l

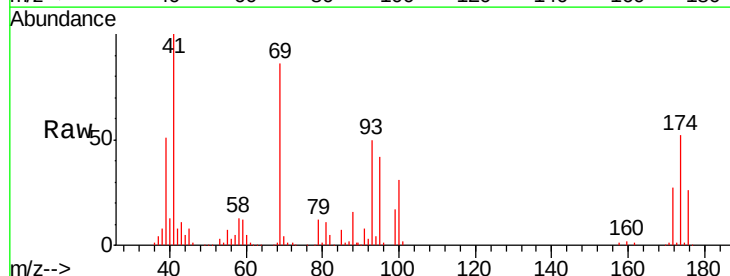
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

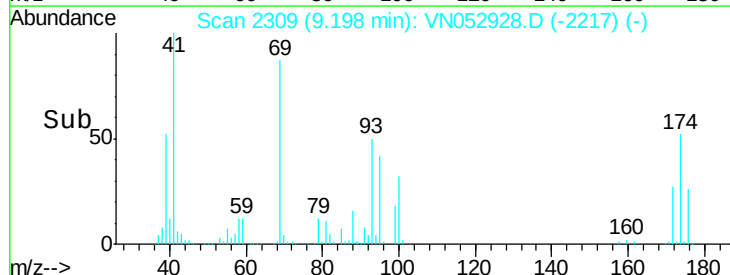
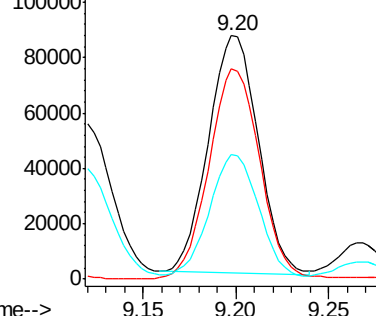
Lab File: VN052928.D

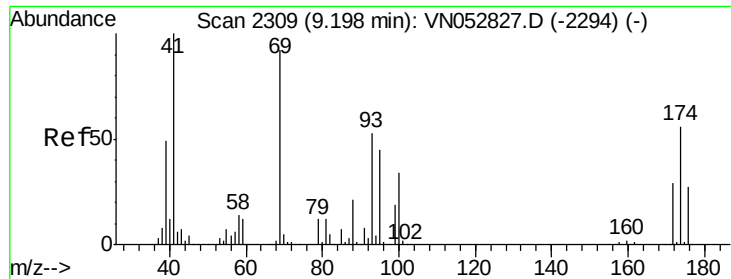
Acq: 17 Dec 2018 15:37

Tgt Ion:	41	Resp:	159780
Ion	Ratio	Lower	Upper
41	100		
69	91.3	72.2	108.2
39	52.6	41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN052928.D (-2217) (-)





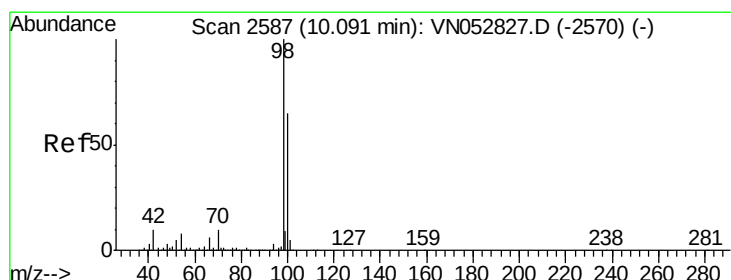
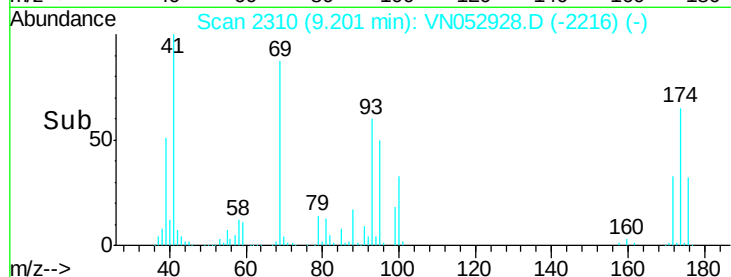
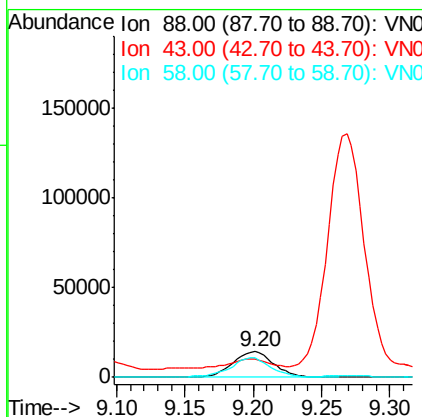
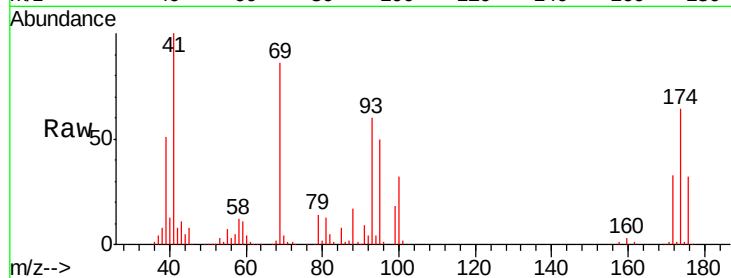
#49
1,4-Dioxane
Concen: 326.674 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.6	40.0
58	73.0	58.4	87.6

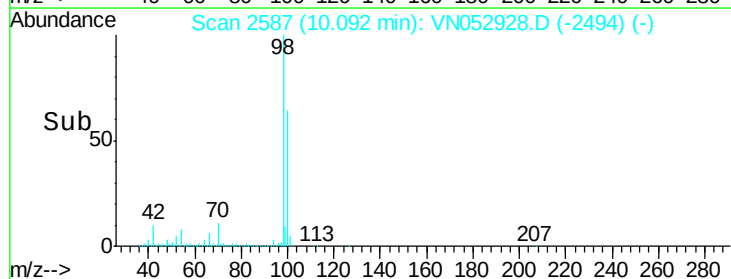
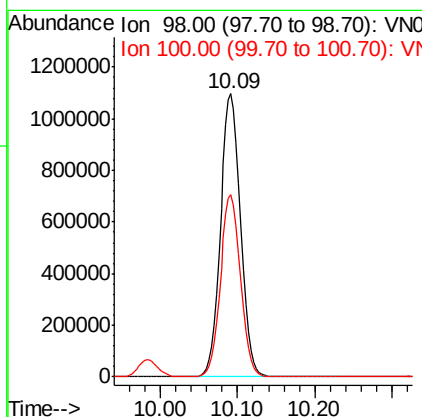
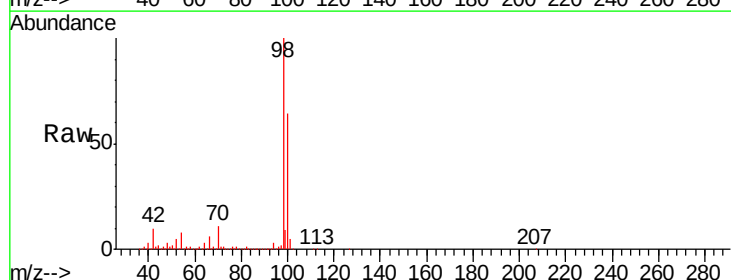
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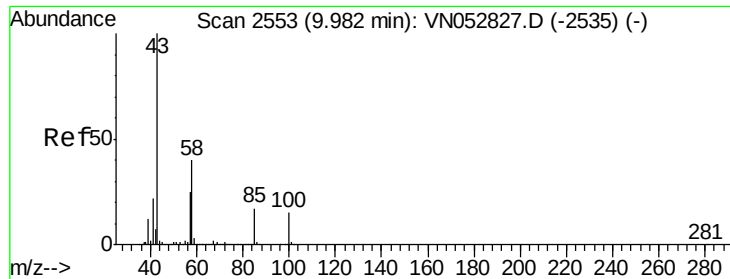
MMDadoda
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#50
Toluene-d8
Concen: 326.674 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





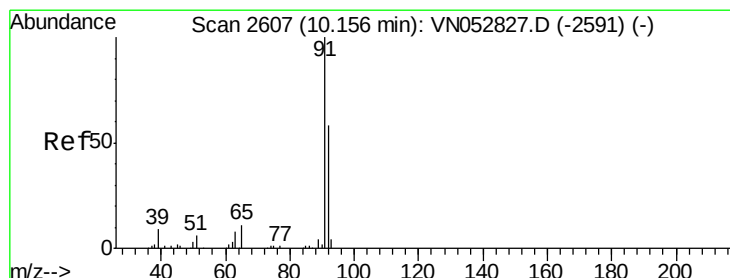
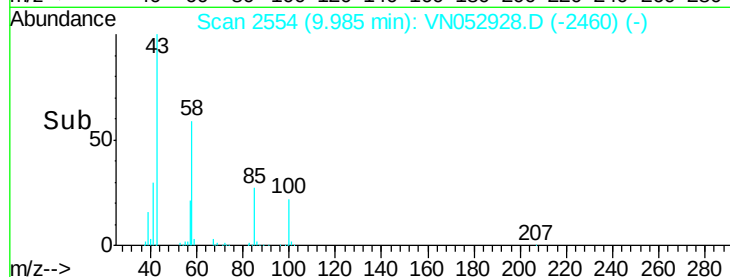
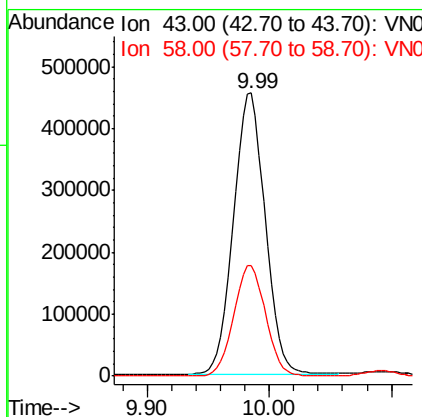
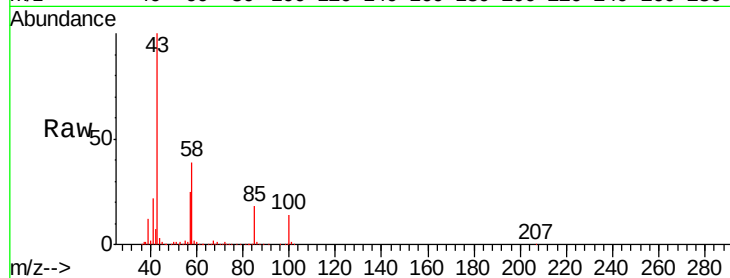
#51
 4-Methyl-2-Pentanone
 Concen: 96.172 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tgt Ion: 43 Resp: 816114
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.2 48.4

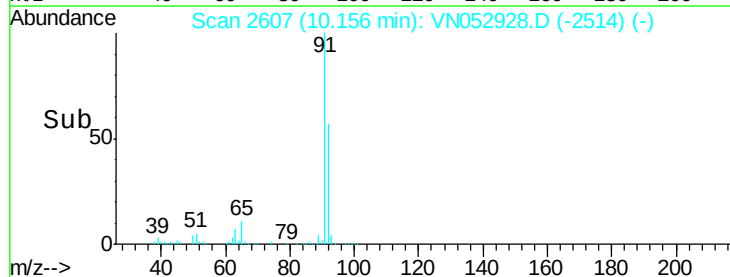
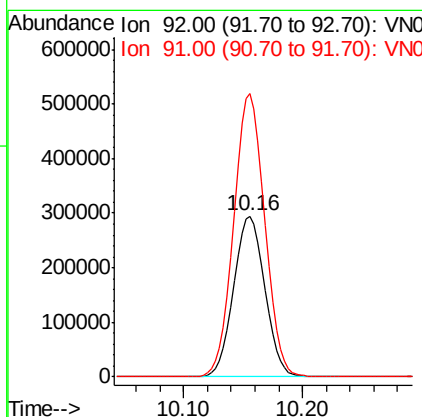
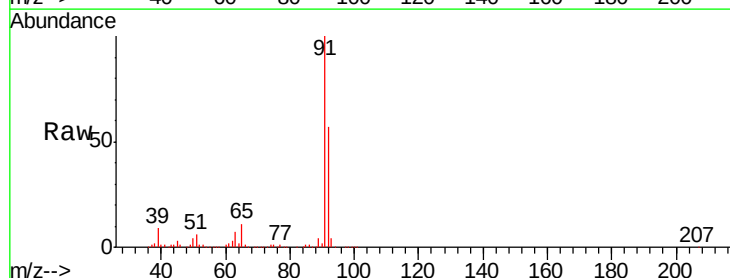
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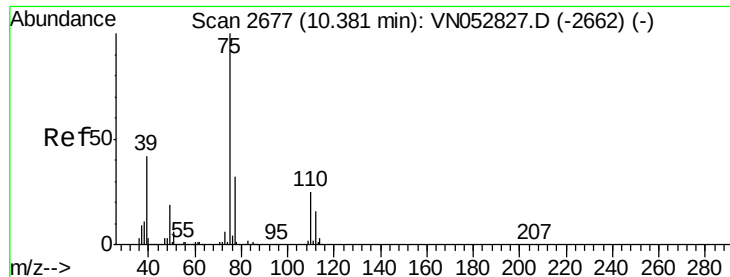
MMDadoda
 12/18/2018 1:33:25 PM



#52
 Toluene
 Concen: 19.571 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion: 92 Resp: 534554
 Ion Ratio Lower Upper
 92 100
 91 174.9 139.8 209.6





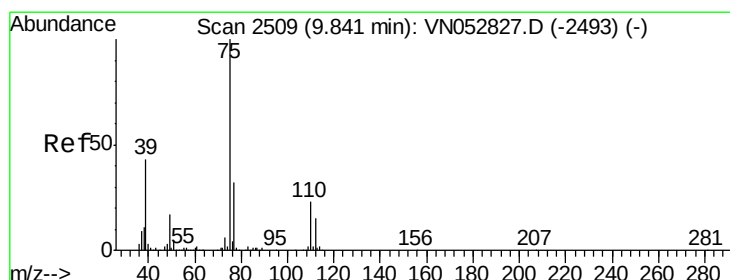
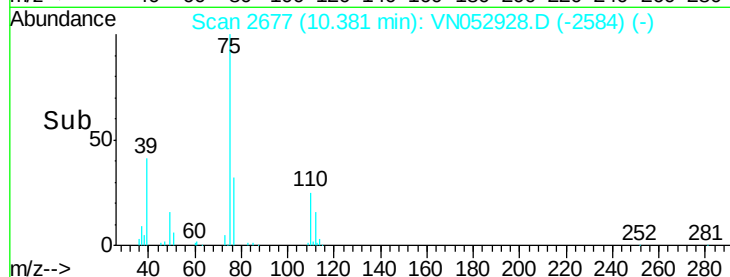
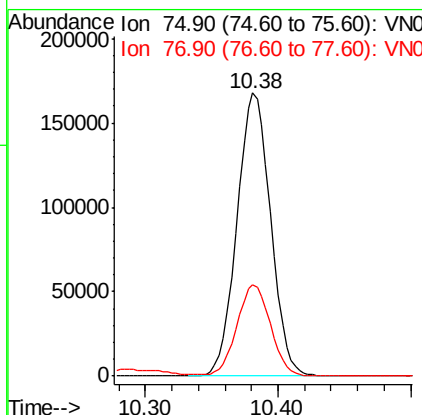
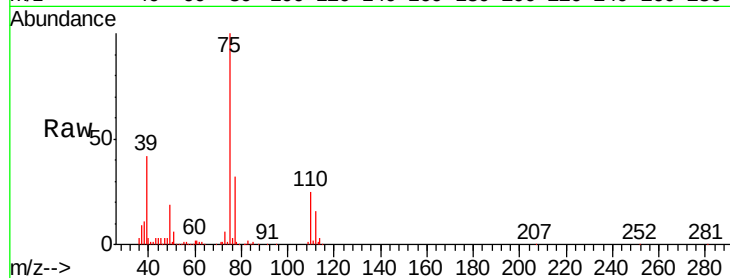
#53
t-1,3-Dichloropropene
Concen: 20.691 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.6	38.4

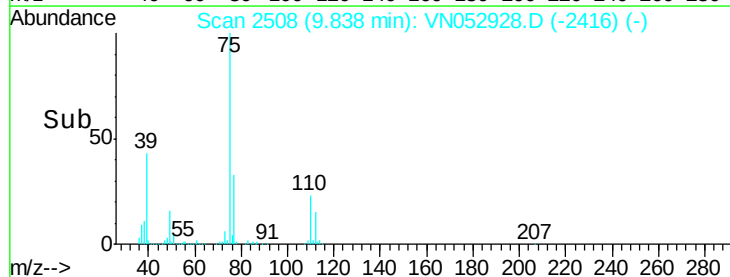
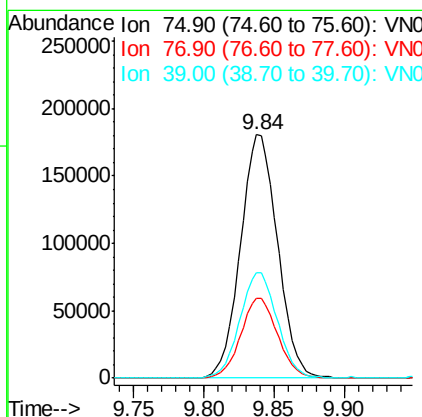
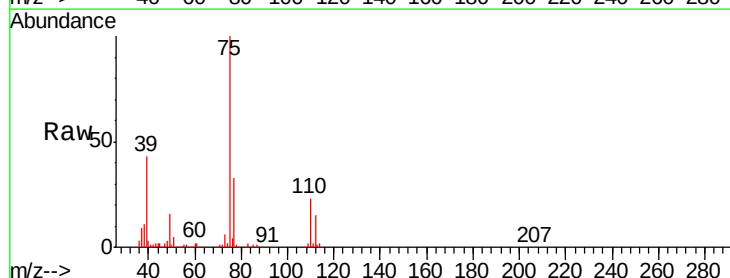
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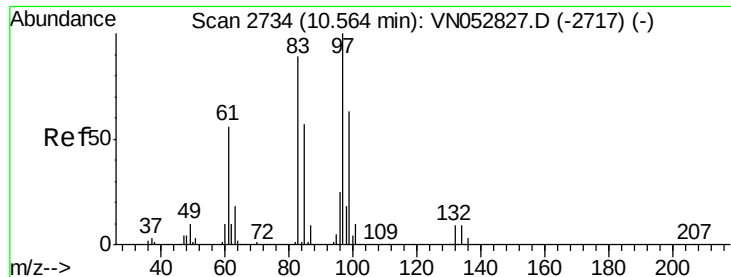
MMDadoda
12/18/2018 1:33:25 PM



#54
cis-1,3-Dichloropropene
Concen: 19.551 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.8	38.8
39	43.3	34.8	52.2





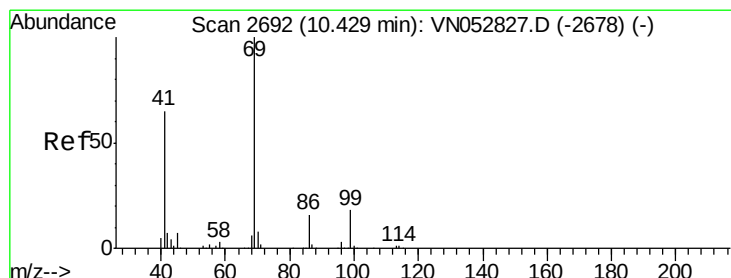
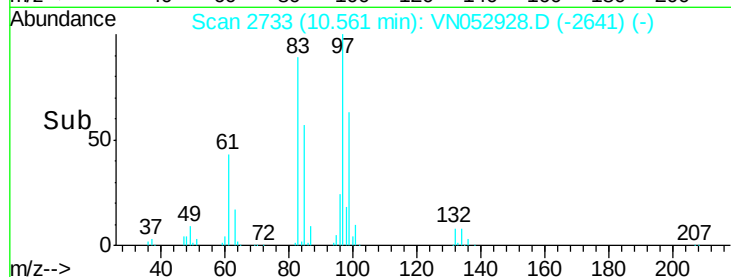
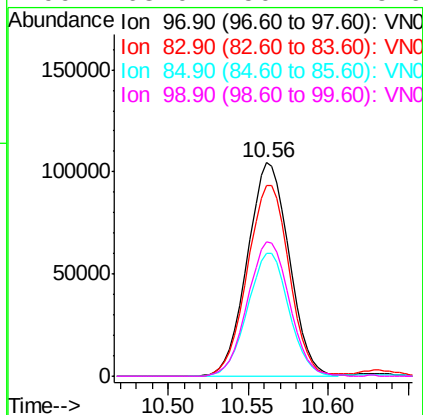
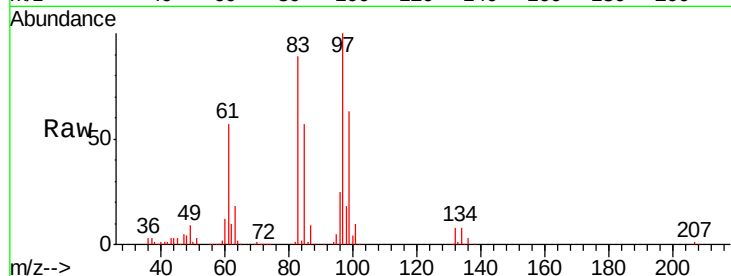
#55
 1,1,2-Trichloroethane
 Concen: 19.173 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tgt Ion:	97	Resp:	186936
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.9	106.3
85	57.4	45.4	68.2
99	63.0	50.4	75.6

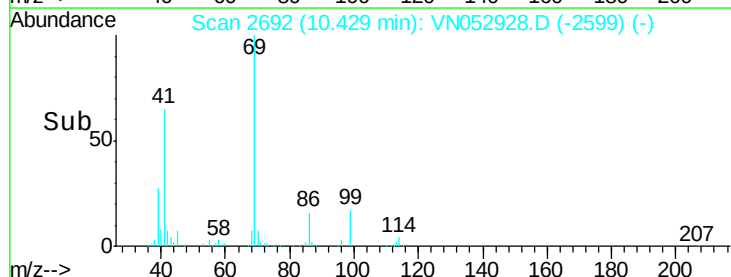
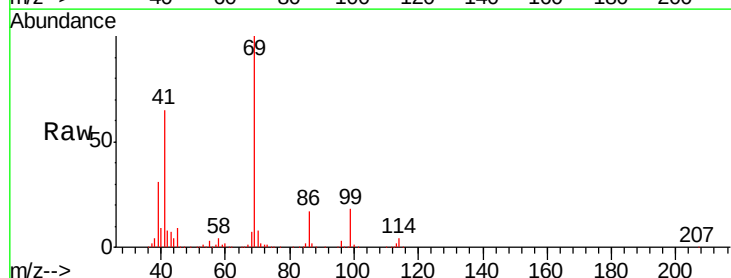
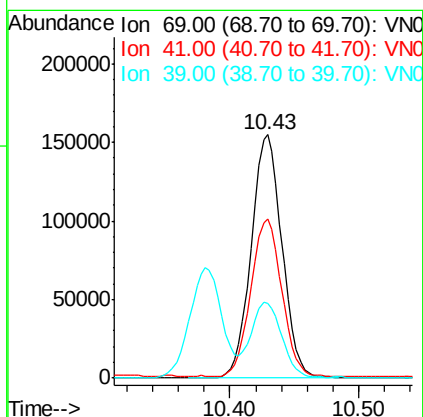
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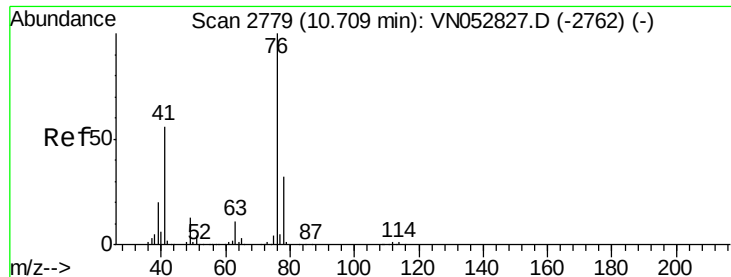
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 12/18/2018 1:33:25 PM



#56
 Ethyl methacrylate
 Concen: 20.611 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion:	69	Resp:	257899
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.7	77.5
39	30.5	24.6	37.0





#57

1,3-Dichloropropane

Concen: 19.501 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 76 Resp: 326060

Ion Ratio Lower Upper

76 100

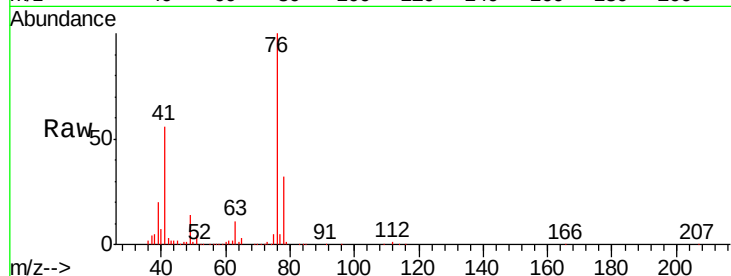
78 31.6 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

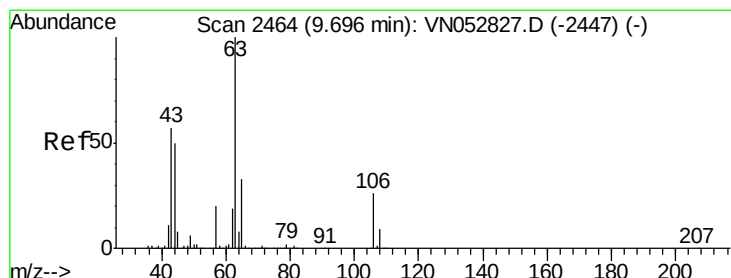
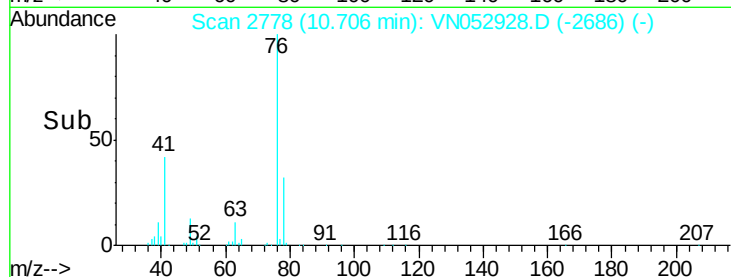
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 101.307 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052928.D

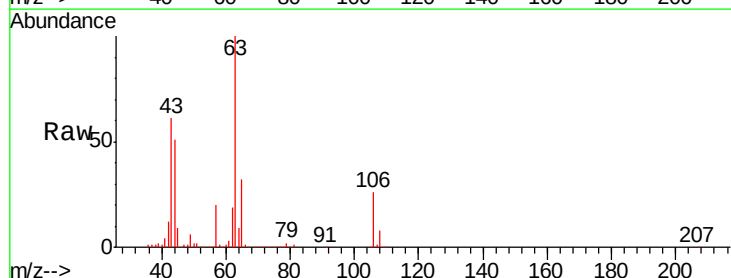
Acq: 17 Dec 2018 15:37

Tgt Ion: 63 Resp: 707308

Ion Ratio Lower Upper

63 100

106 26.0 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

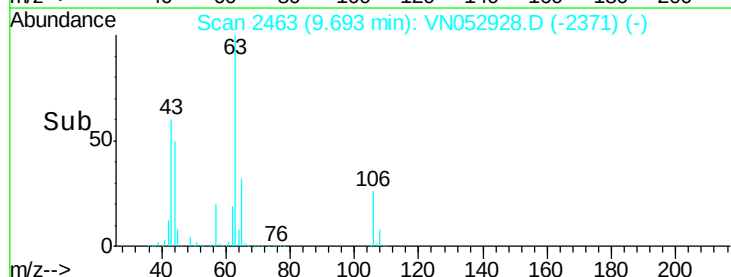
300000

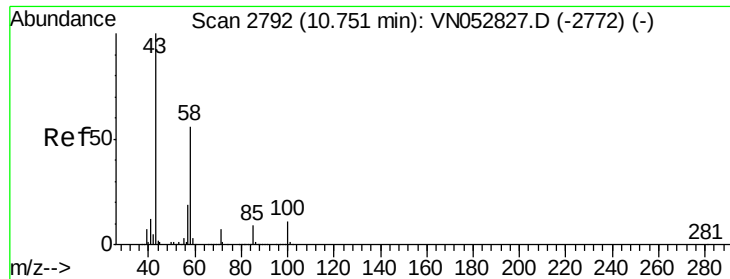
200000

100000

0

Time-->





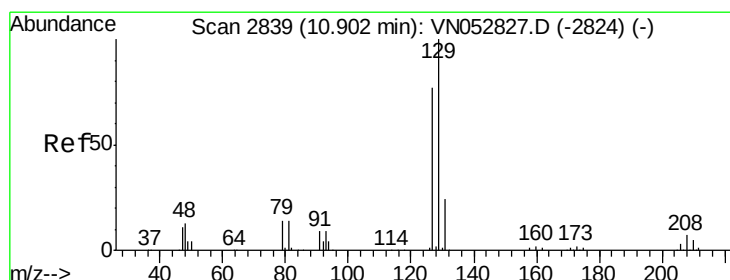
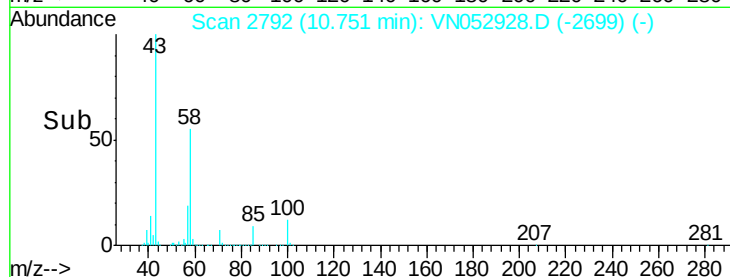
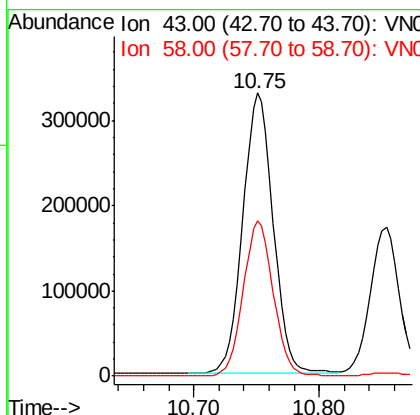
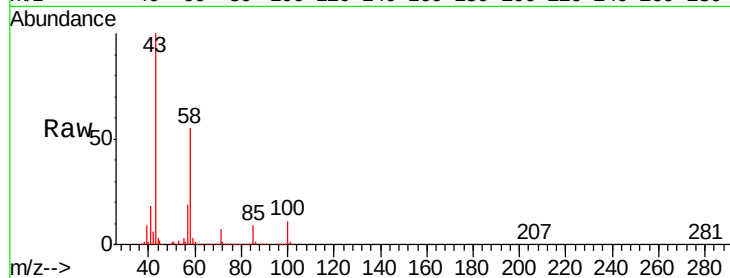
#59
2-Hexanone
Concen: 95.081 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion: 43 Resp: 552957
Ion Ratio Lower Upper
43 100
58 54.4 28.1 84.3

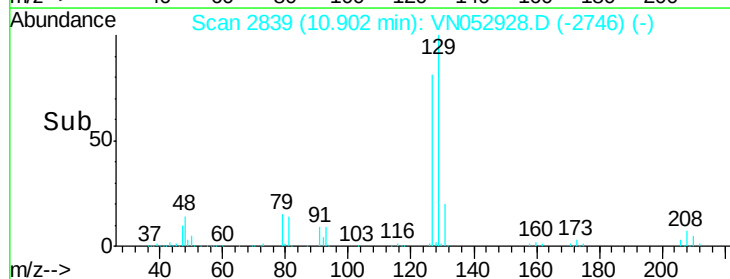
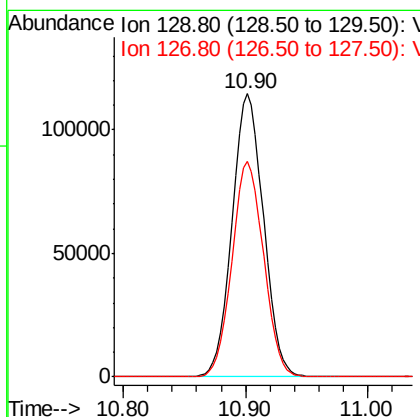
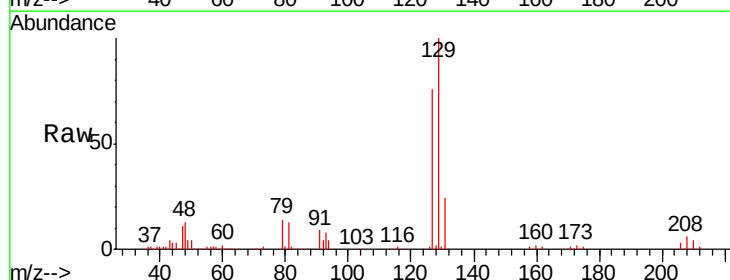
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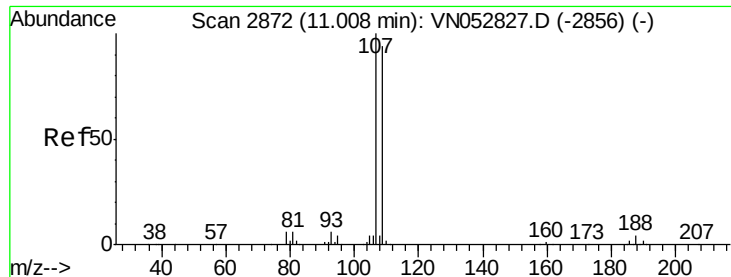
MMDadoda
12/18/2018 1:33:25 PM



#60
Dibromochloromethane
Concen: 19.438 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 129 Resp: 204830
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





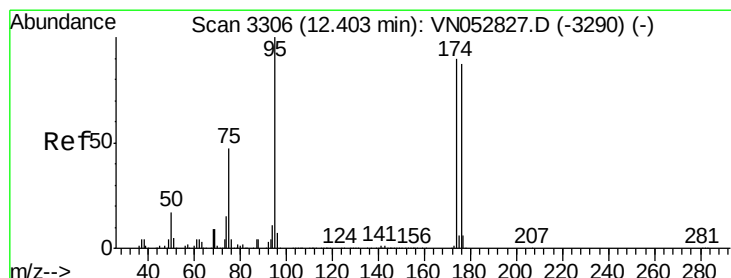
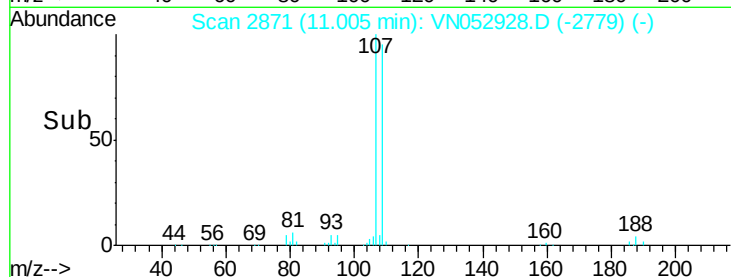
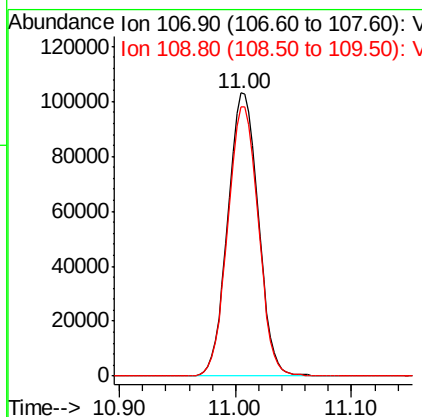
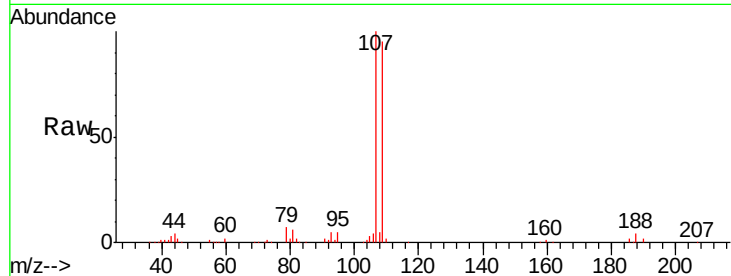
#61
 1,2-Dibromoethane
 Concen: 19.432 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tgt Ion: 107 Resp: 187281
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.4 113.0

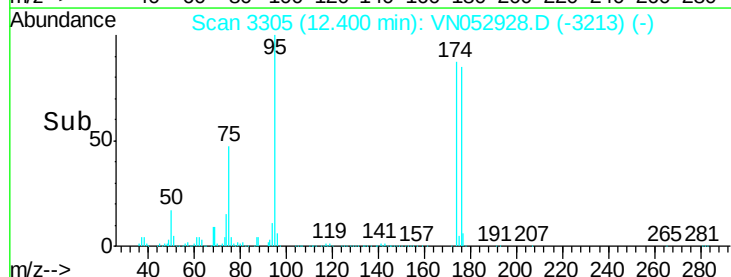
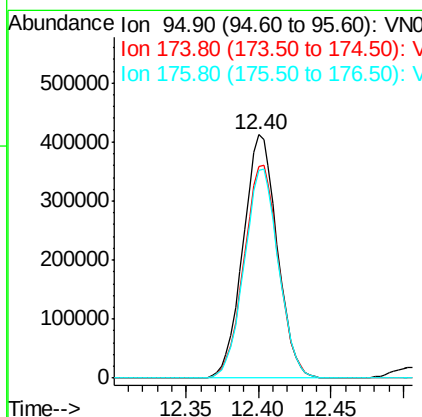
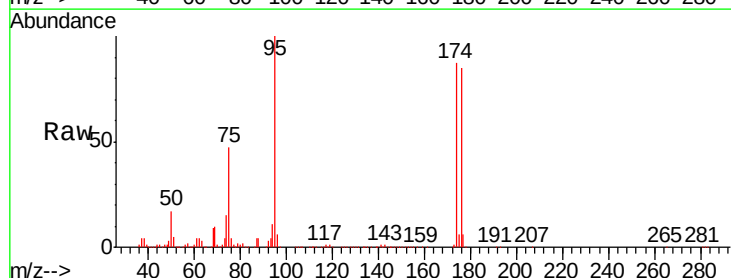
Manual Integrations
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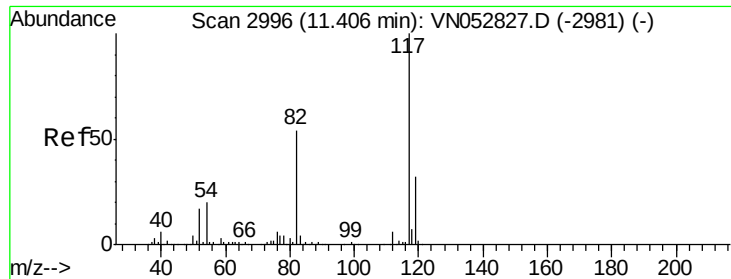
MMDadoda
 12/18/2018 1:33:25 PM



#62
 4-Bromofluorobenzene
 Concen: 19.432 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion: 95 Resp: 675931
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 178.8
 176 86.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion:117 Resp: 1440845

Ion Ratio Lower Upper

117 100

82 54.5 42.8 64.2

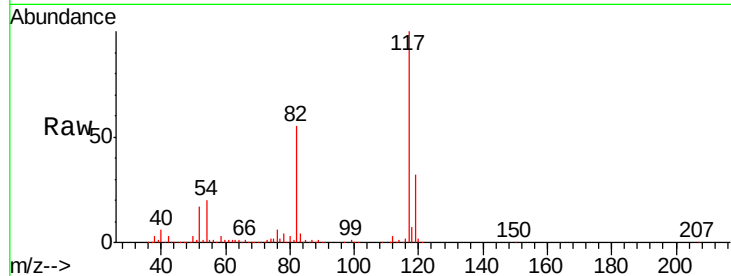
119 32.2 25.5 38.3

Manual Integrations

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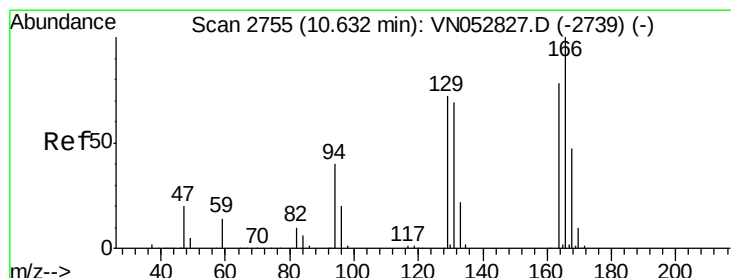
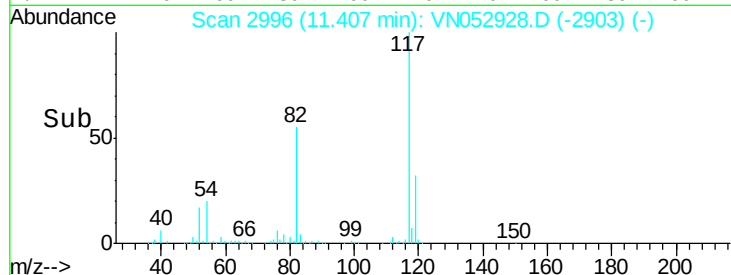
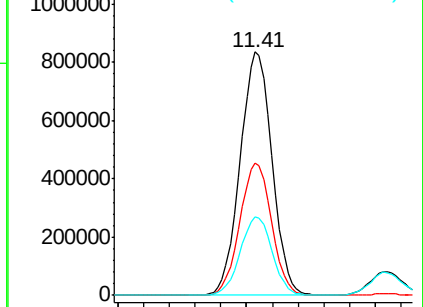
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.891 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion:164 Resp: 246321

Ion Ratio Lower Upper

164 100

166 124.2 102.9 154.3

129 89.9 73.7 110.5

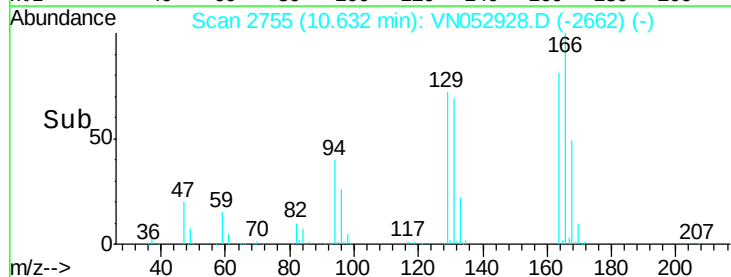
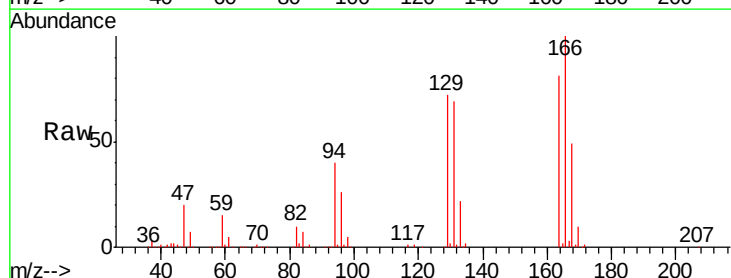
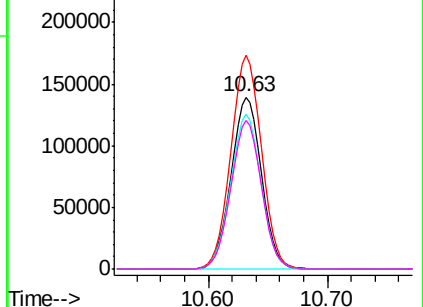
131 86.2 70.7 106.1

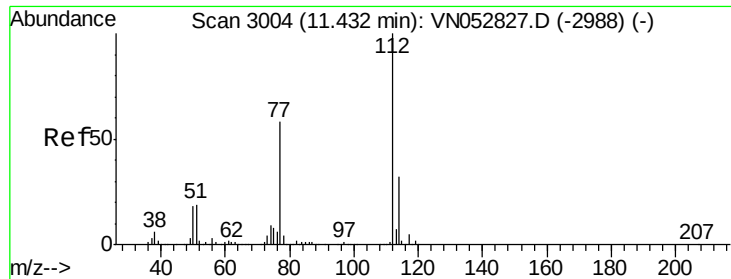
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





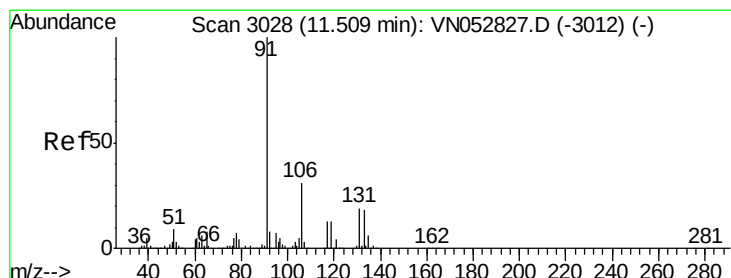
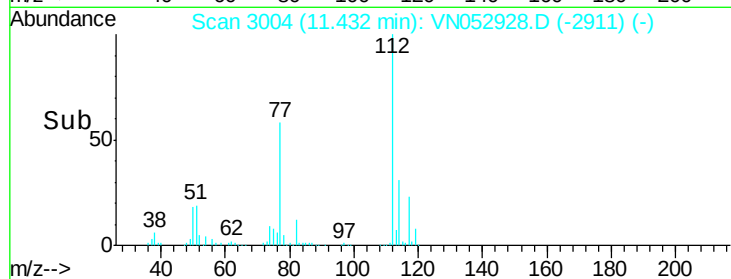
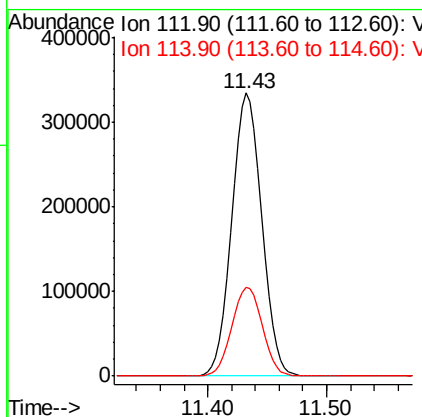
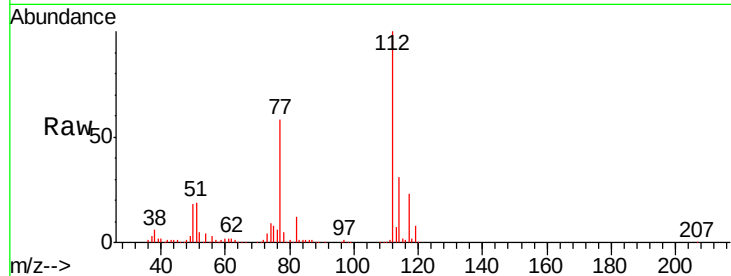
#65
Chlorobenzene
Concen: 19.545 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	584256		
114	31.4	25.5	38.3	

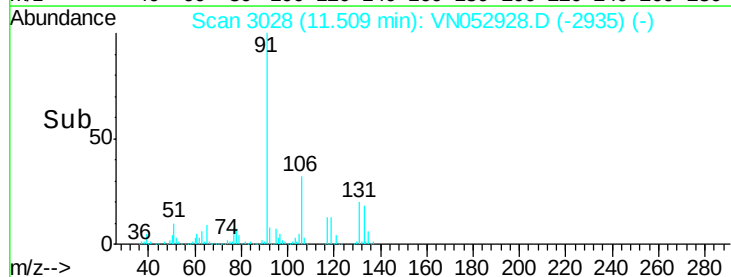
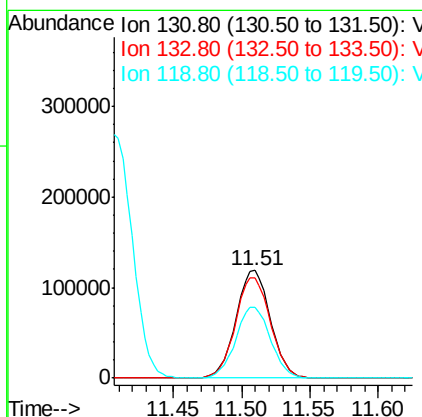
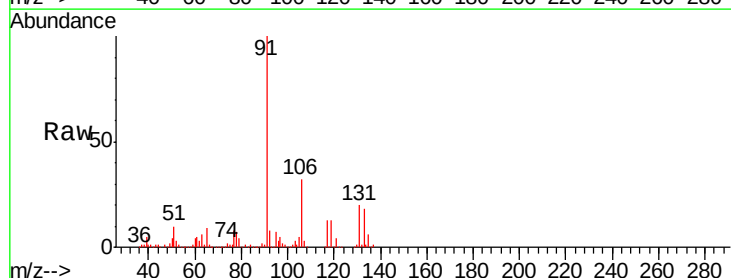
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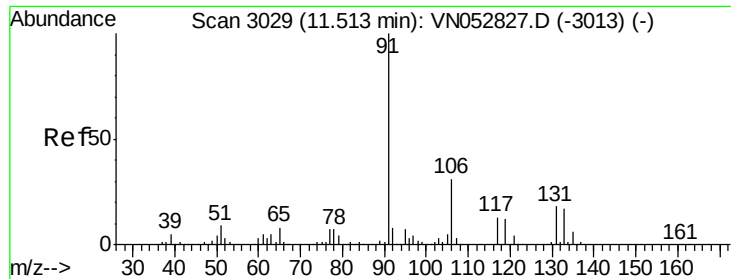
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.992 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	207842		
133	95.3	47.6	142.9	
119	66.6	33.3	99.8	





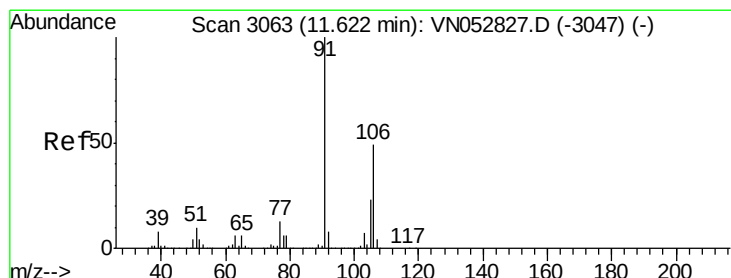
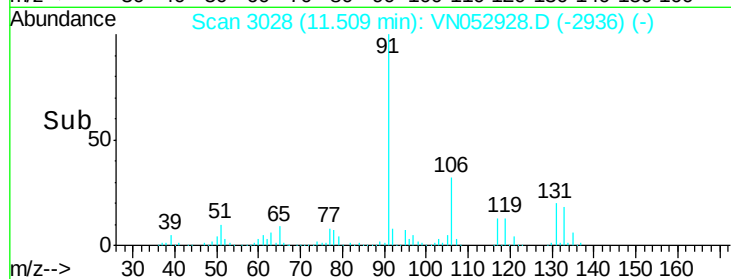
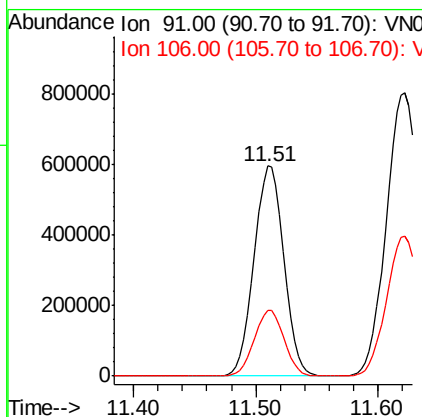
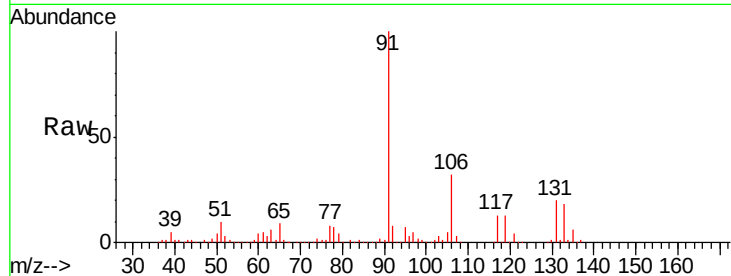
#67
Ethyl Benzene
Concen: 19.572 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion: 91 Resp: 1004693
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3

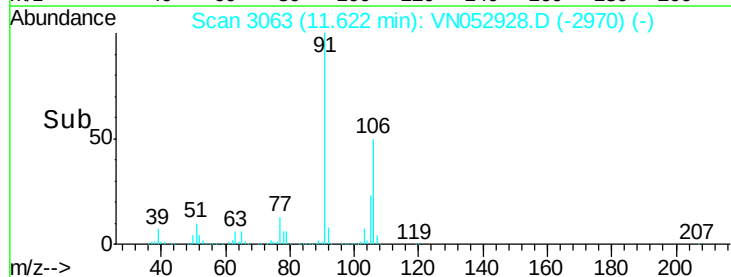
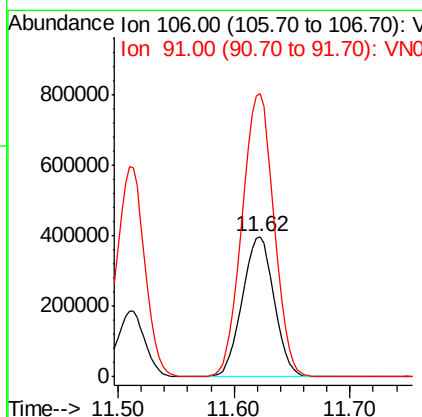
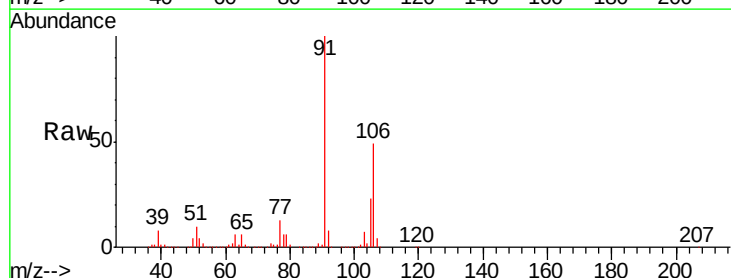
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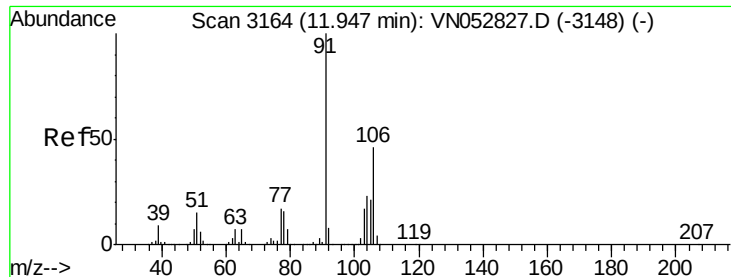
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#68
m/p-Xylenes
Concen: 39.554 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 106 Resp: 762426
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.4





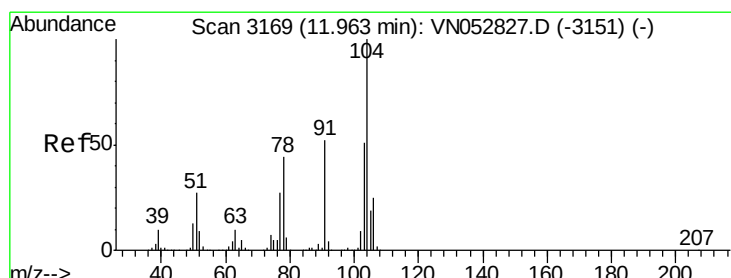
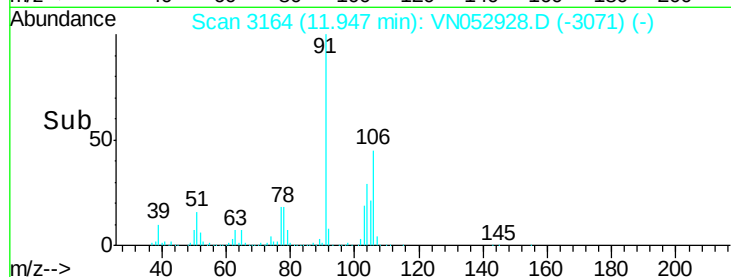
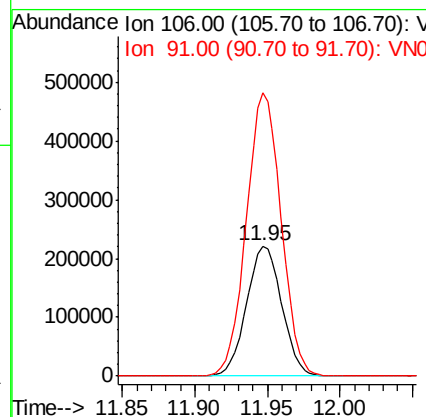
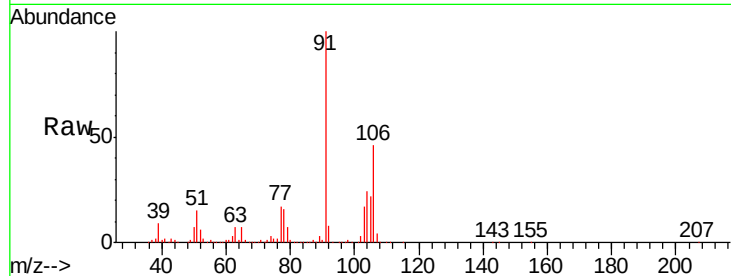
#69
o-Xylene
Concen: 19.855 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion:106 Resp: 373716
Ion Ratio Lower Upper
106 100
91 215.0 106.6 319.8

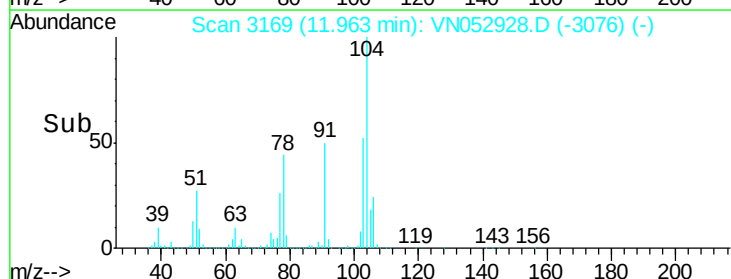
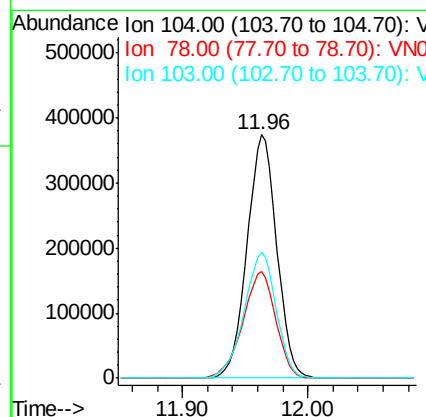
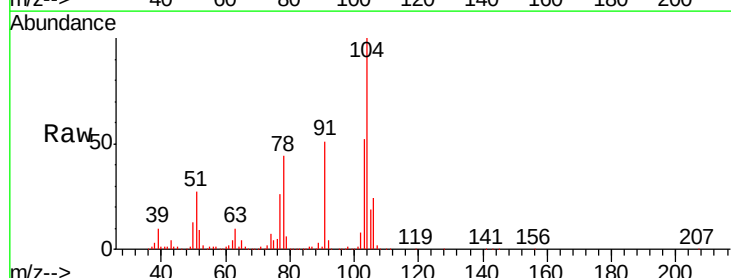
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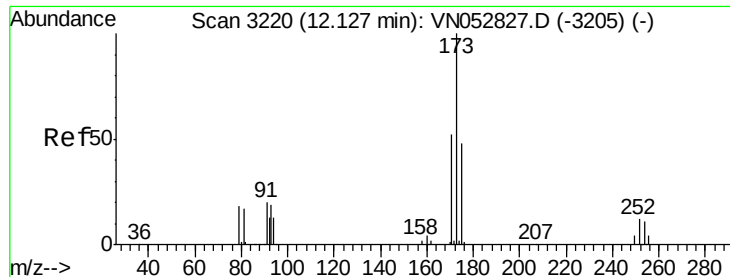
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#70
Styrene
Concen: 20.355 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion:104 Resp: 615889
Ion Ratio Lower Upper
104 100
78 48.5 38.9 58.3
103 55.9 44.3 66.5





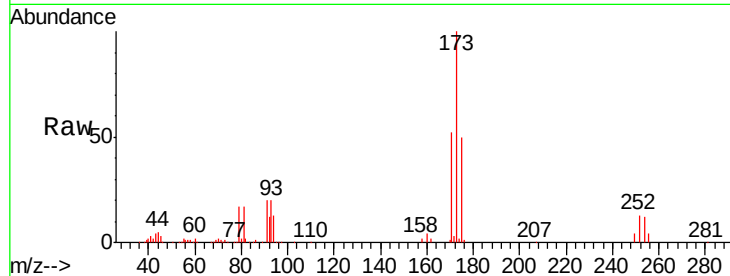
#71
Bromoform
Concen: 19.094 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

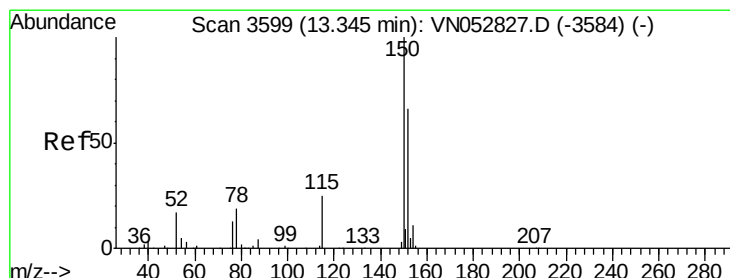
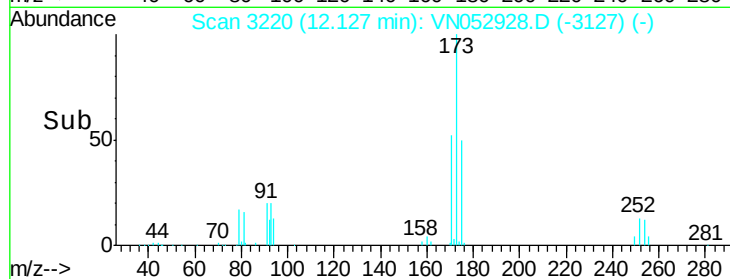
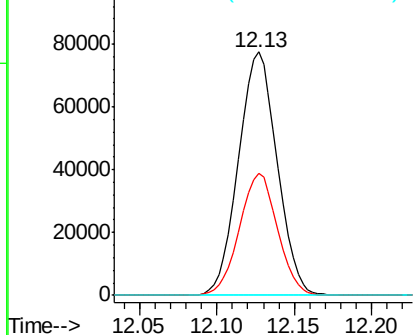
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.9
254	0.0	0.1	0.1#

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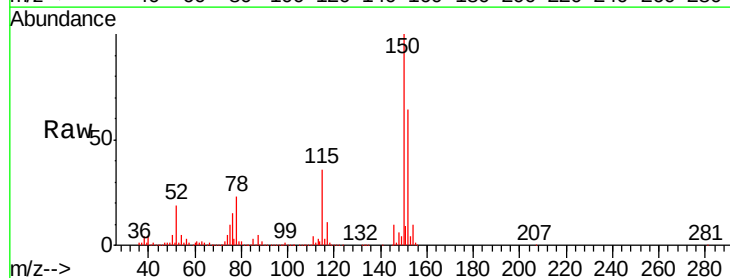


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

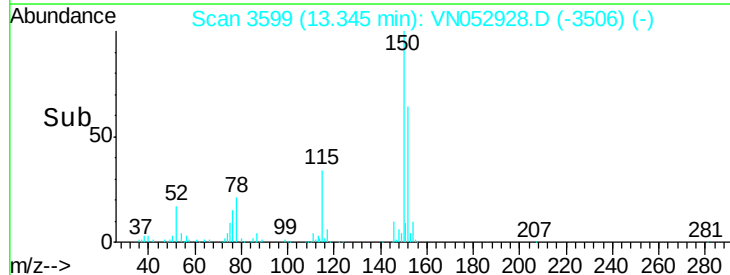
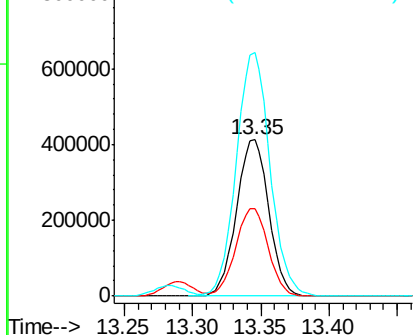


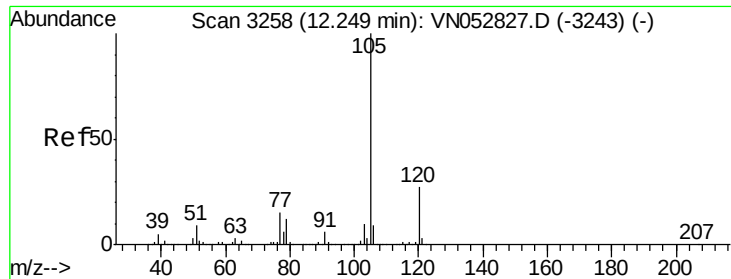
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	85.0
150	162.6	0.0	347.8



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: 19.533 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 105 Resp: 987930

Ion Ratio Lower Upper

105 100

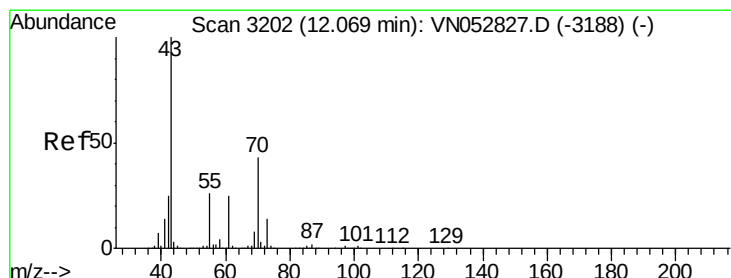
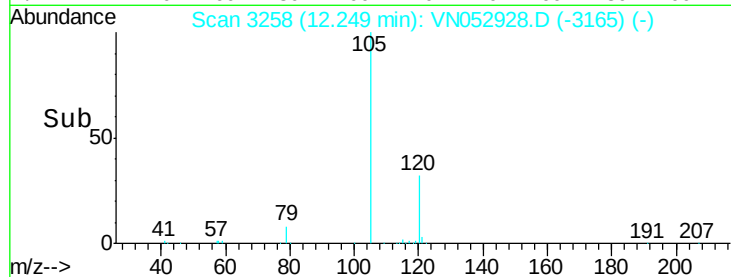
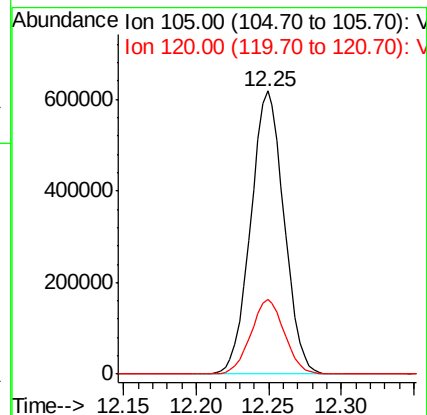
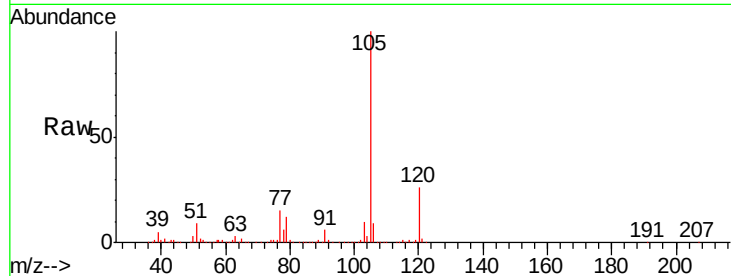
120 26.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 21.926 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion: 43 Resp: 304453

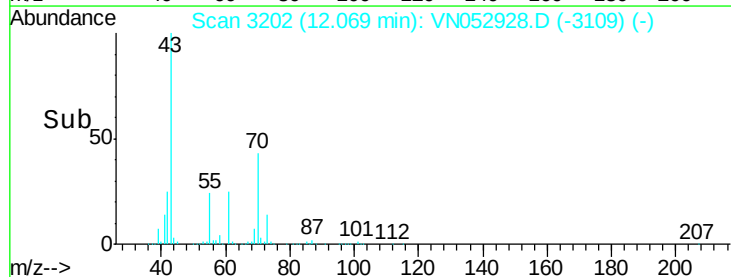
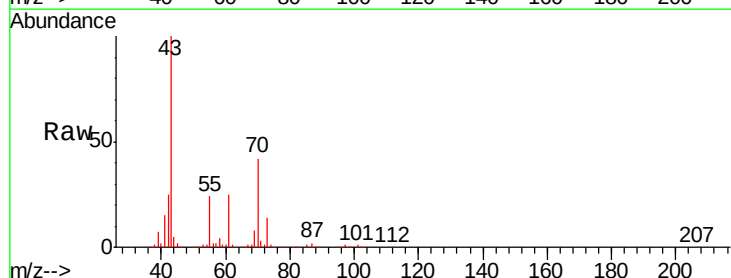
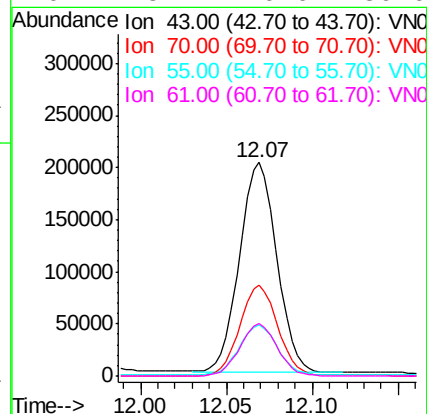
Ion Ratio Lower Upper

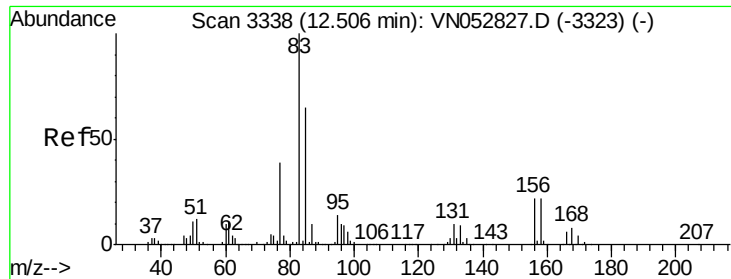
43 100

70 43.4 34.2 51.4

55 24.1 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.378 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 83 Resp: 219660
Ion Ratio Lower Upper

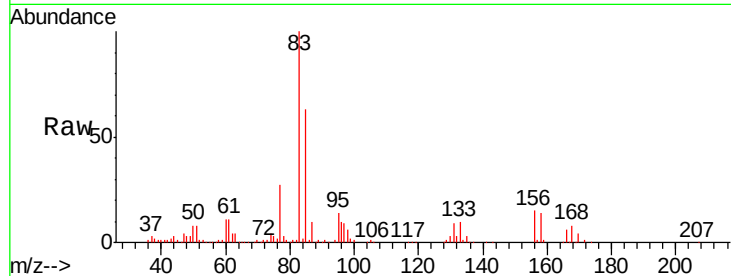
83 100

131 9.6 5.2 15.6

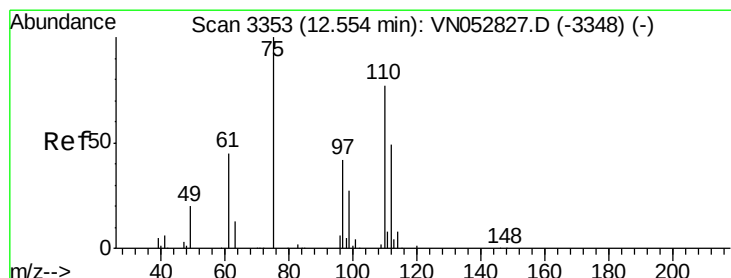
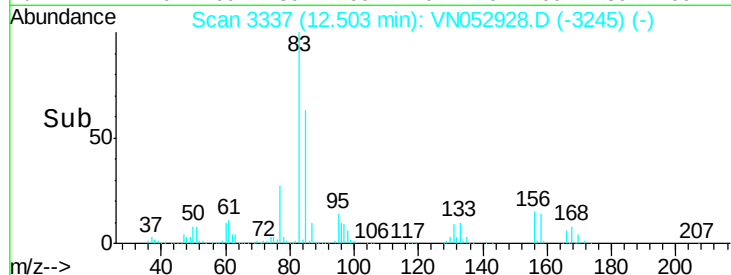
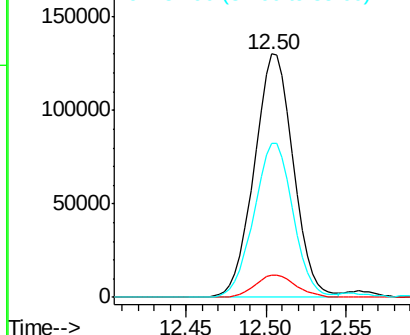
85 63.4 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-3323) (-)
Ion 130.80 (130.50 to 131.50): VN052827.D (-3323) (-)
Ion 84.90 (84.60 to 85.60): VN052827.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 18.444 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

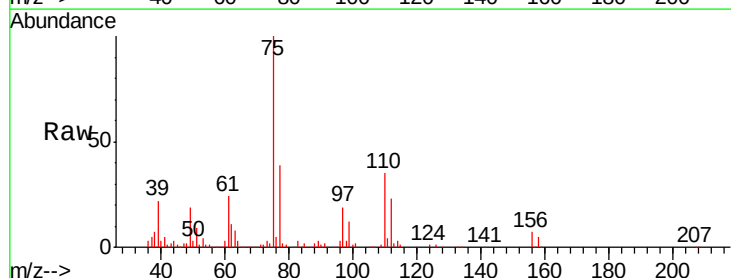
Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

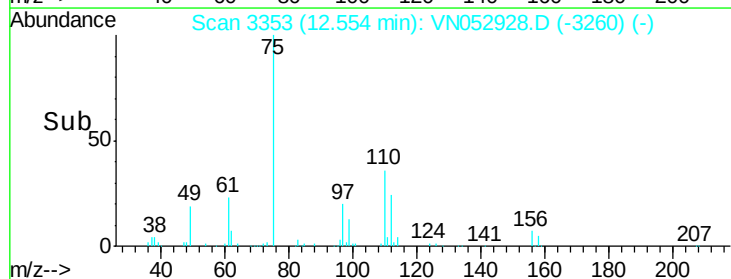
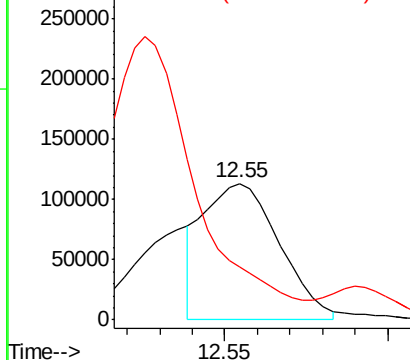
Tgt Ion: 75 Resp: 184343
Ion Ratio Lower Upper

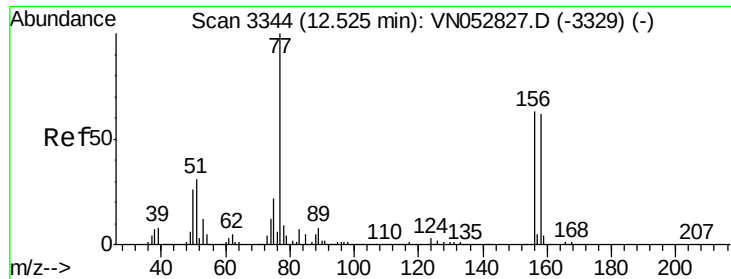
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)
Ion 77.00 (76.70 to 77.70): VN052827.D (-3348) (-)





#77

Bromobenzene

Concen: 19.904 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

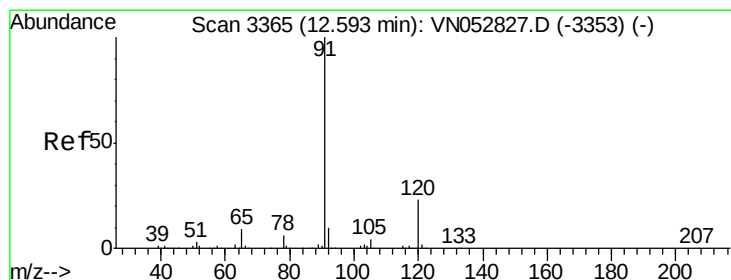
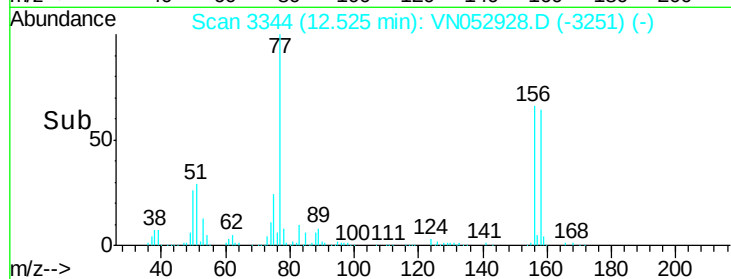
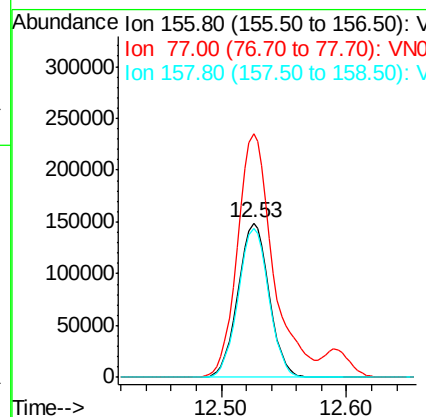
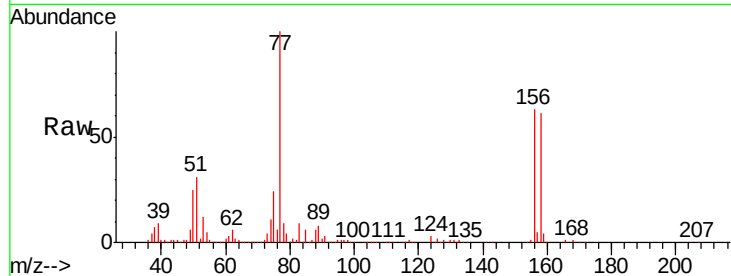
ClientSampleId :

VN1217WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	256059		
77	179.1	91.3	273.8	
158	95.2	49.0	147.2	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.484 ug/l

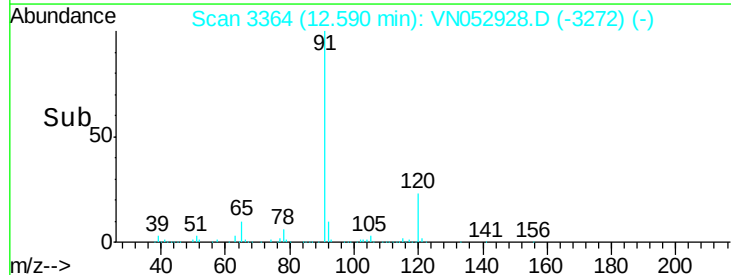
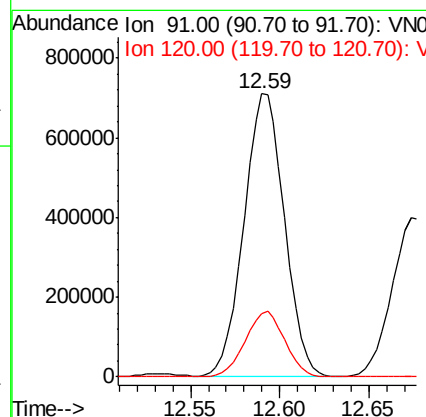
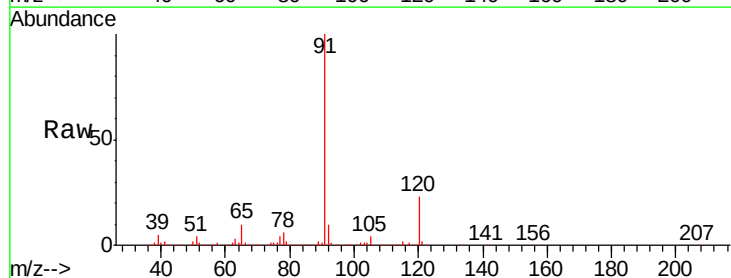
RT: 12.59 min Scan# 3364

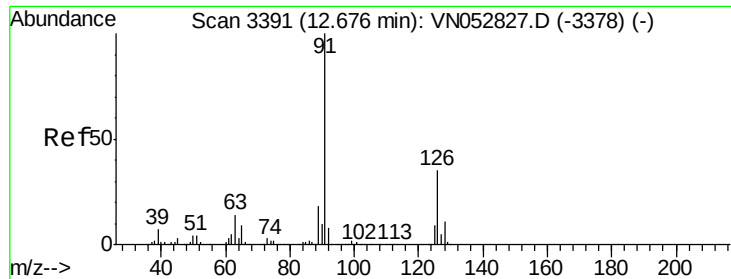
Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1123916		
120	22.7	11.5	34.5	





#79

2-Chlorotoluene

Concen: 19.390 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 91 Resp: 661227

Ion Ratio Lower Upper

91 100

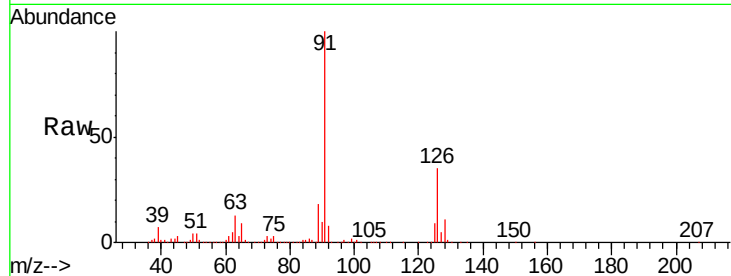
126 35.2 17.4 52.3

Manual Integrations

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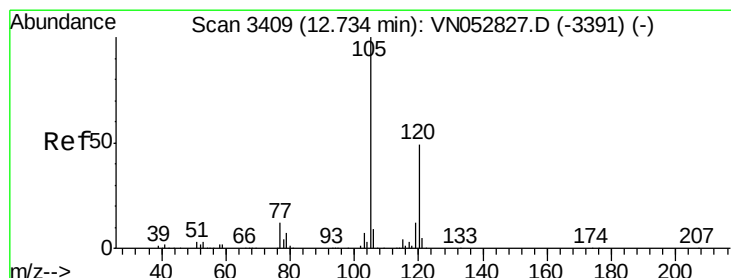
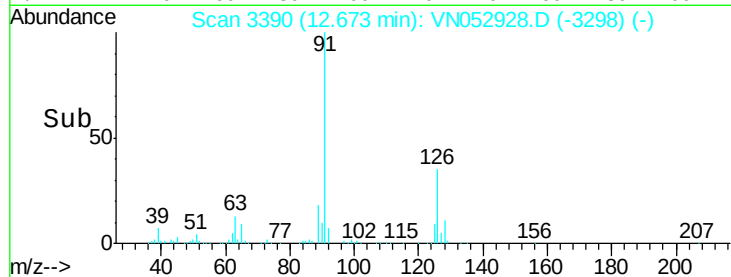
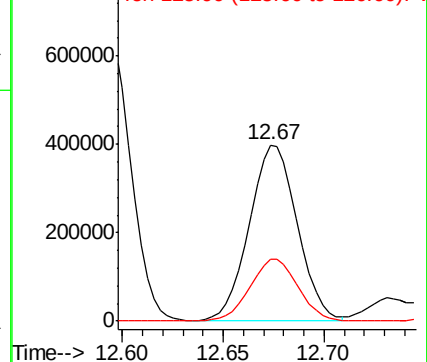
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Abundance Ion 91.00 (90.70 to 91.70): VN052928.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052928.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.740 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052928.D

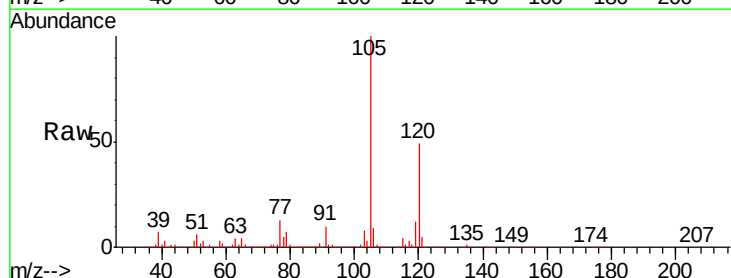
Acq: 17 Dec 2018 15:37

Tgt Ion: 105 Resp: 805970

Ion Ratio Lower Upper

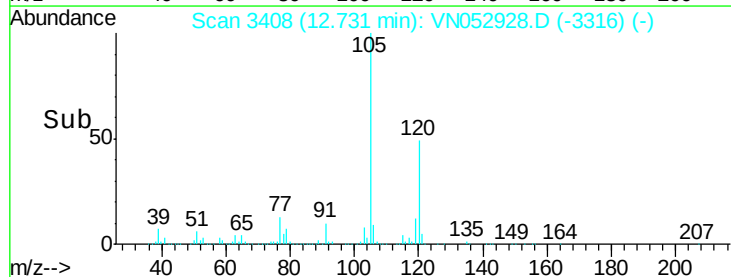
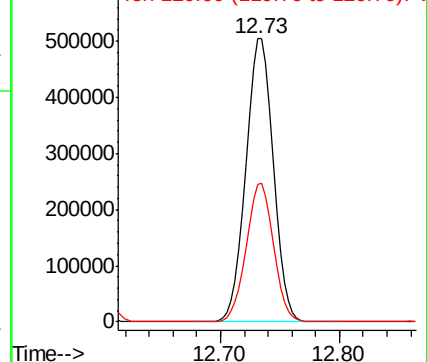
105 100

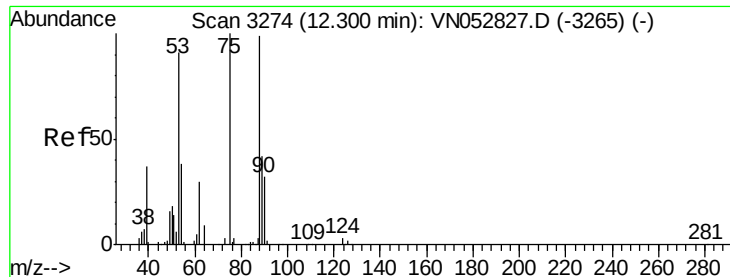
120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052928.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN052928.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.981 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

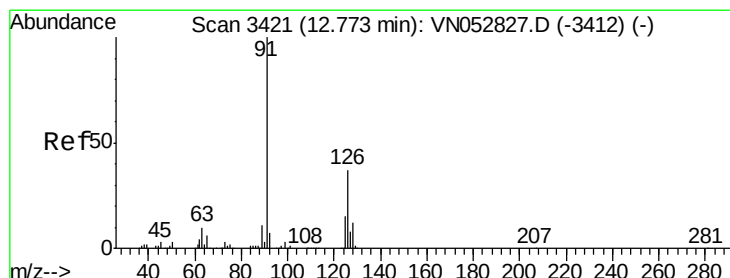
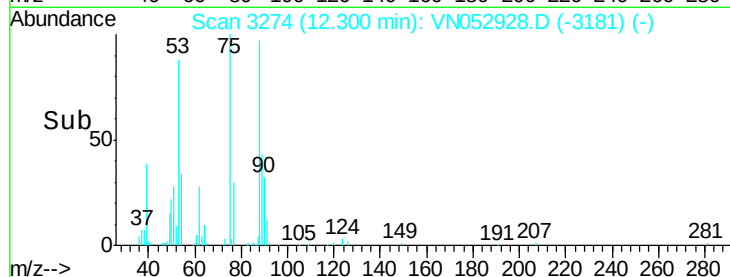
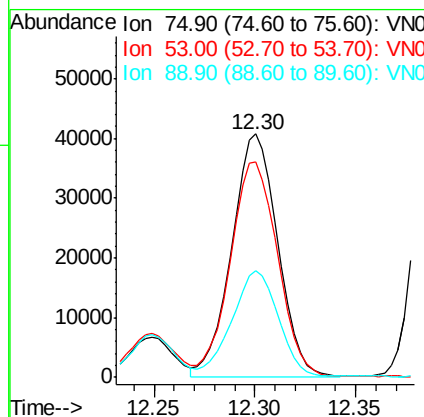
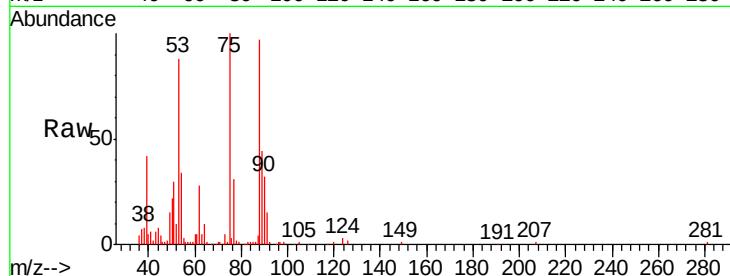
ClientSampleId :

VN1217WBSD01

Tgt Ion:	75	Resp:	65276
Ion Ratio	Lower	Upper	
75	100		
53	90.9	74.7	112.1
89	43.6	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.521 ug/l

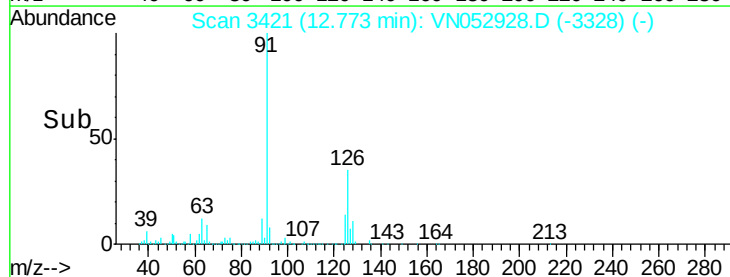
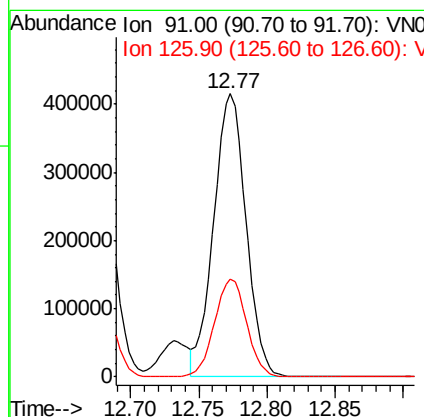
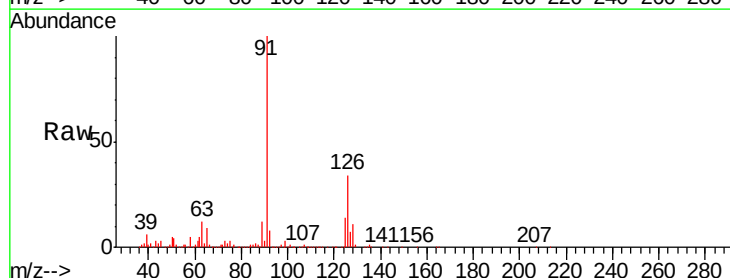
RT: 12.77 min Scan# 3421

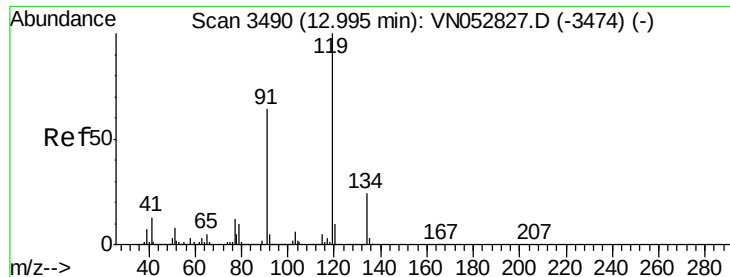
Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion:	91	Resp:	680630
Ion Ratio	Lower	Upper	
91	100		
126	34.3	17.3	51.7





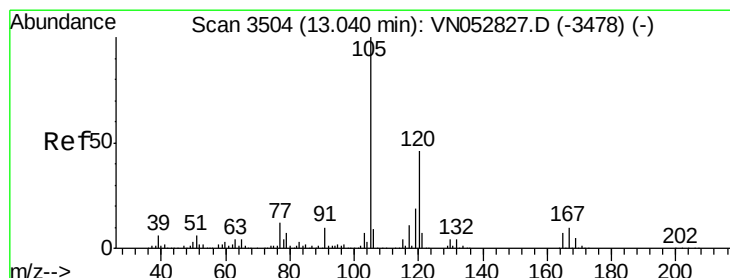
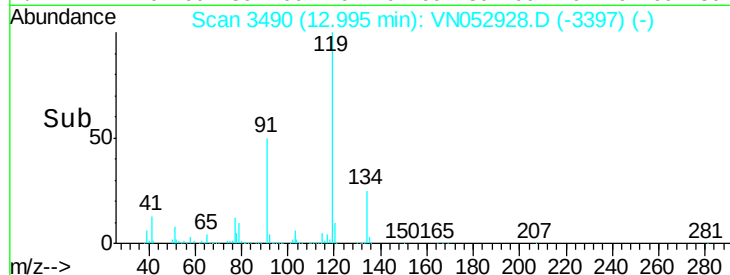
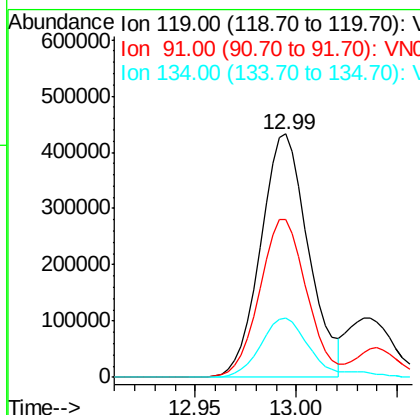
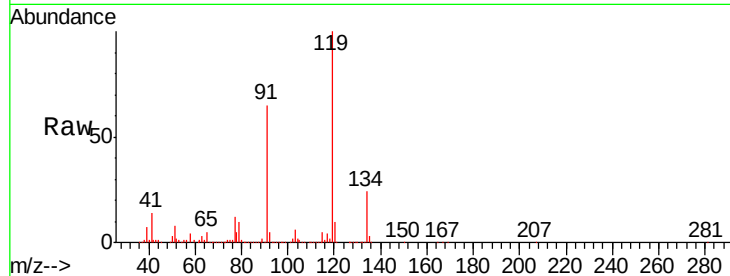
#83
 tert-Butylbenzene
 Concen: 19.806 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	713333		
91	64.1	31.9	95.5	
134	25.9	12.8	38.4	

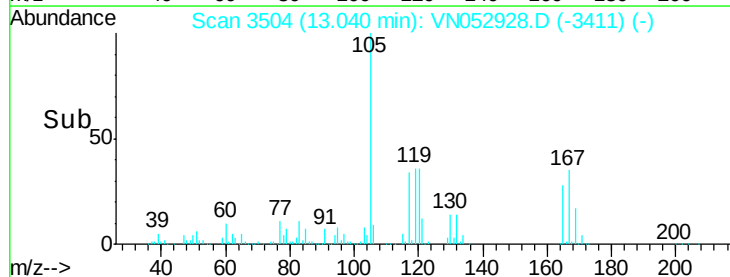
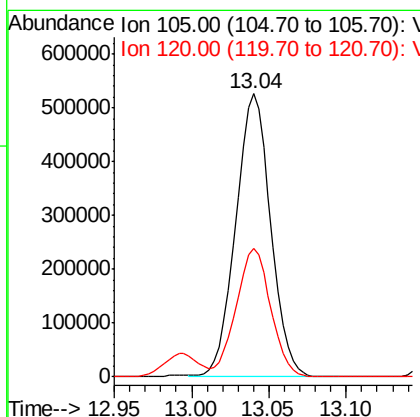
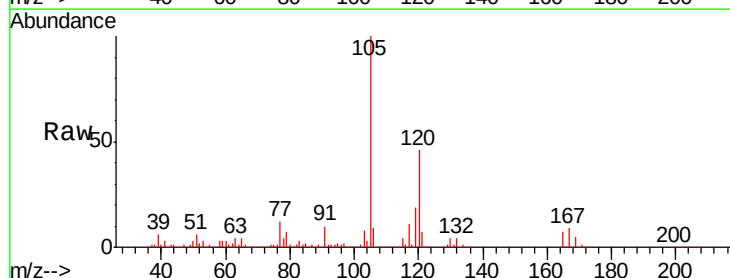
Manual Integrations
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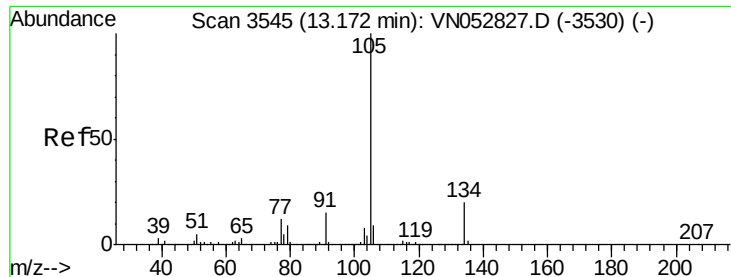
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.886 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	821952		
120	45.2	22.9	68.8	





#85

sec-Butylbenzene

Concen: 19.509 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion:105 Resp: 951604

Ion Ratio Lower Upper

105 100

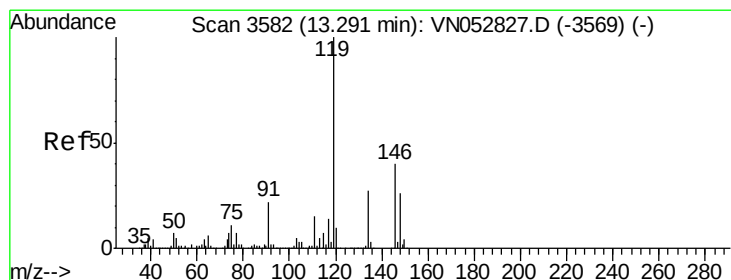
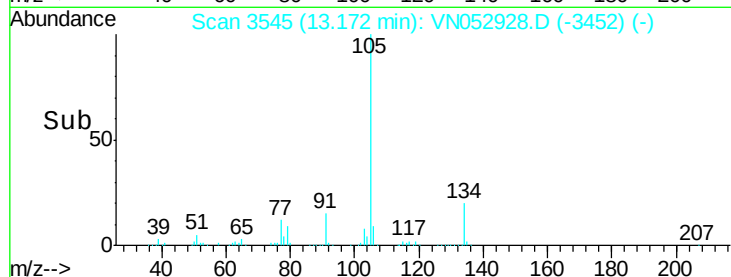
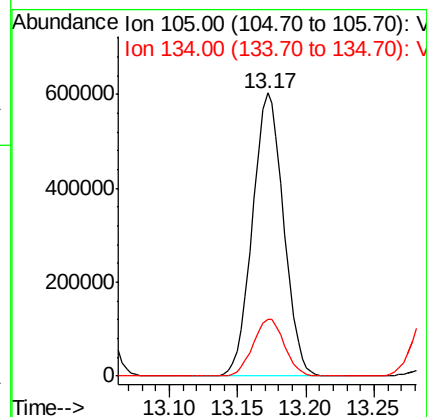
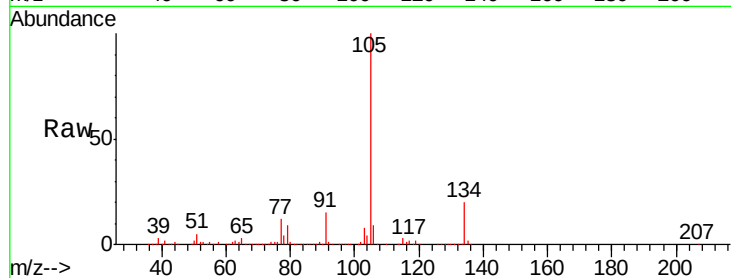
134 20.4 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 19.636 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

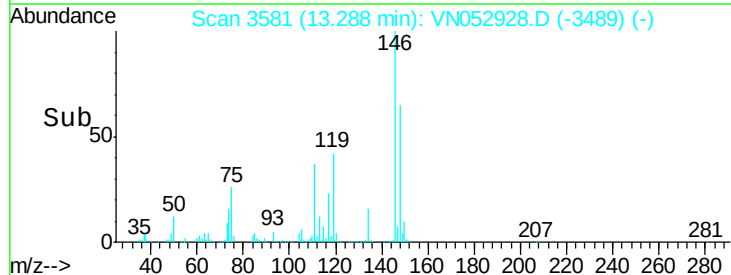
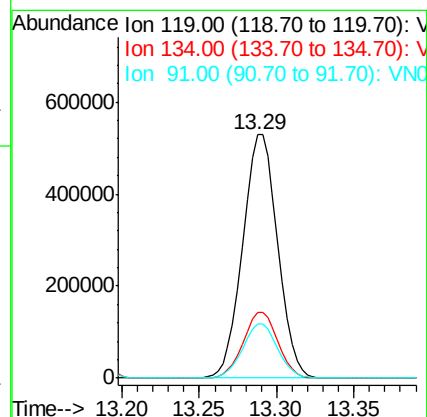
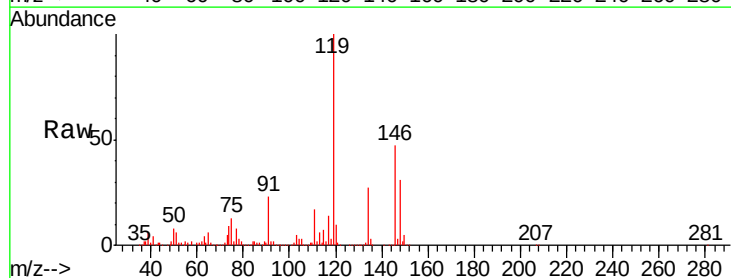
Tgt Ion:119 Resp: 829817

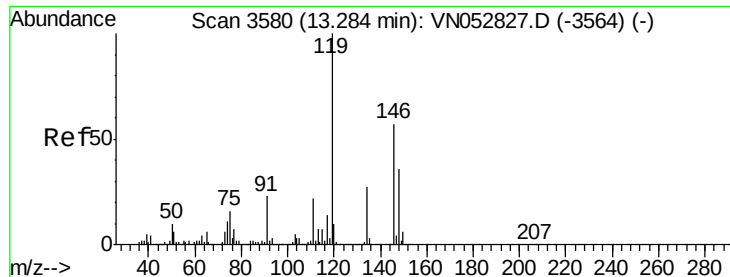
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.3 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 19.229 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052928.D

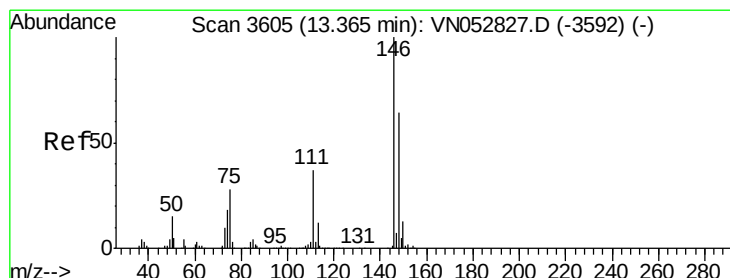
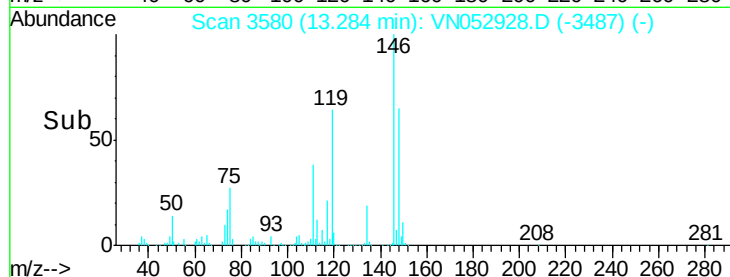
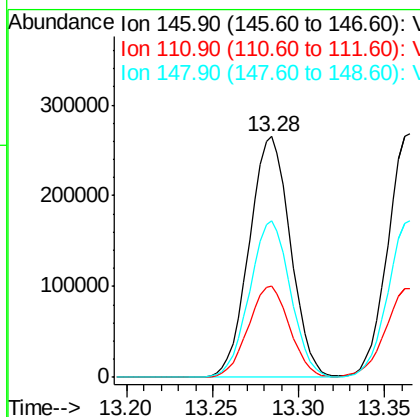
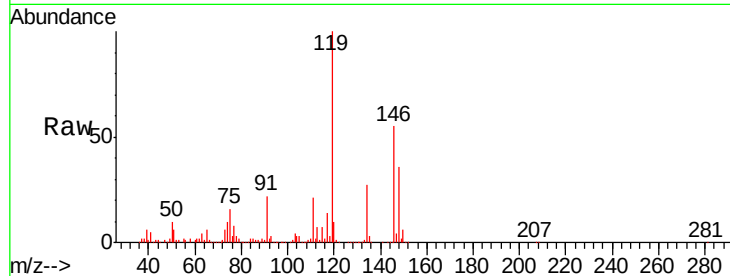
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.6	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.431 ug/l

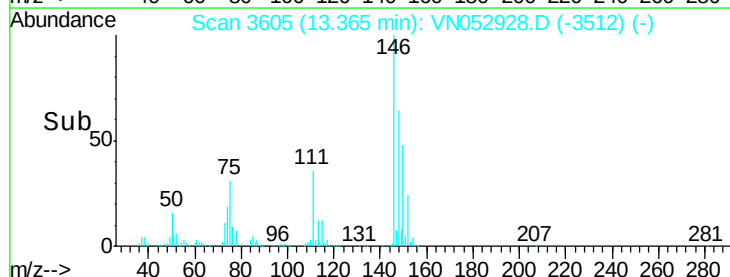
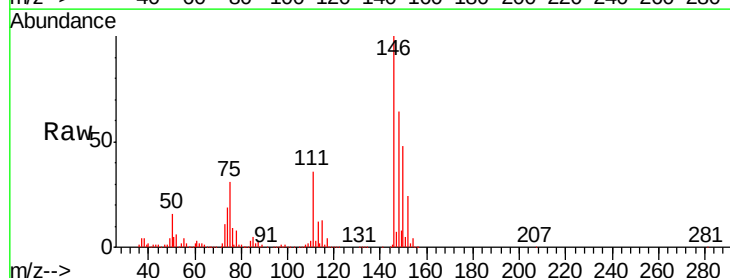
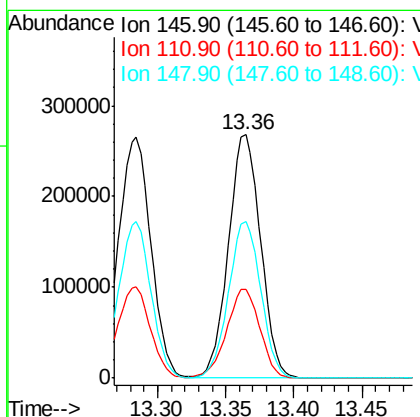
RT: 13.36 min Scan# 3605

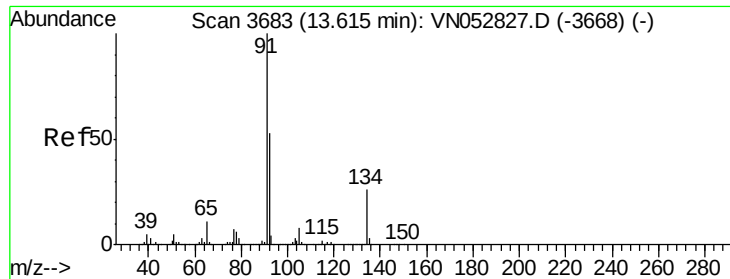
Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.8
148	64.3	32.1	96.5





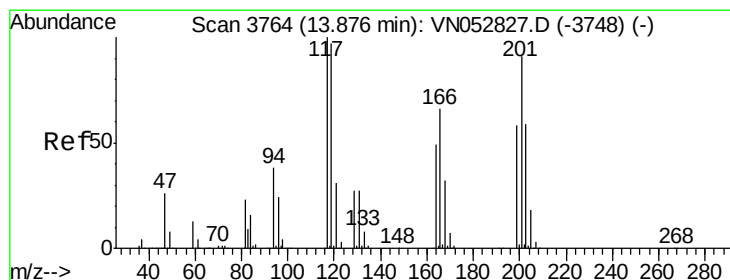
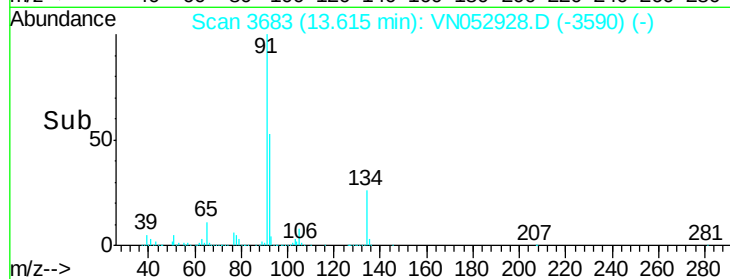
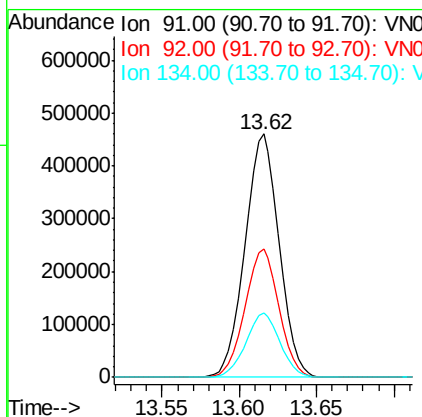
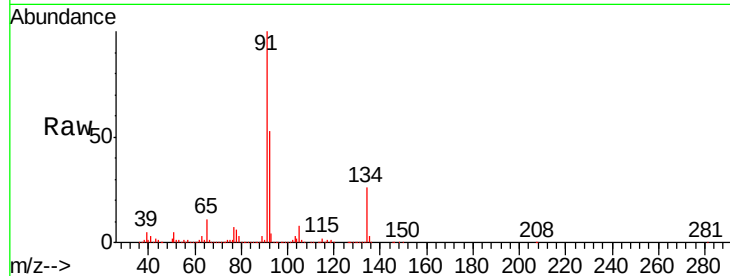
#89
n-Butylbenzene
Concen: 19.797 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	26.4	13.3	39.8

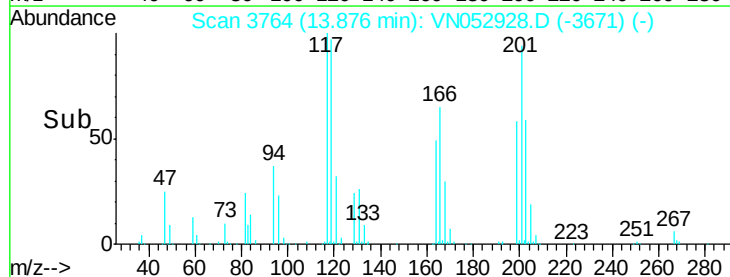
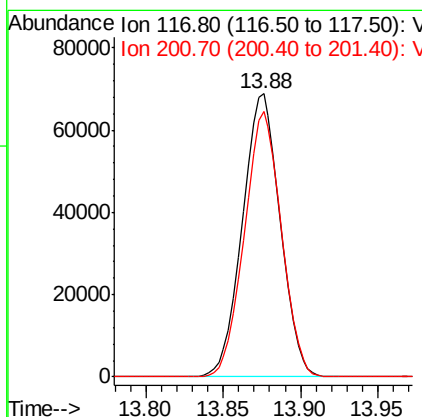
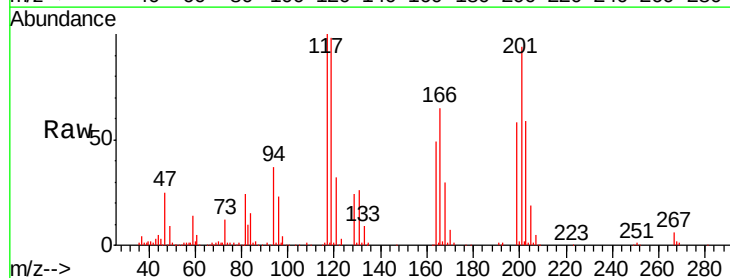
Manual Integrations
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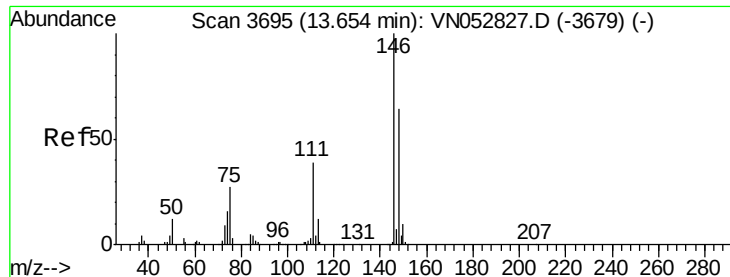
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#90
Hexachloroethane
Concen: 16.542 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	45.7	137.1





#91

1,2-Dichlorobenzene

Concen: 19.483 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA_N

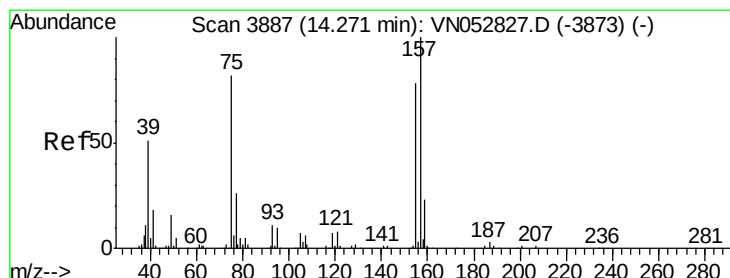
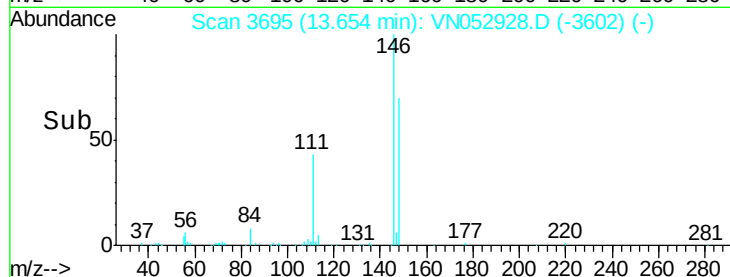
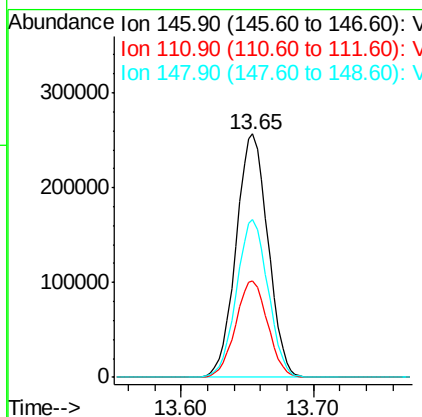
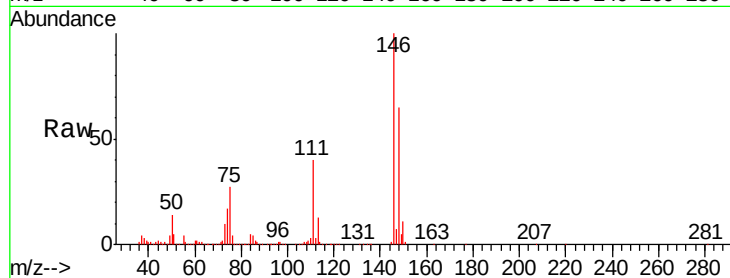
ClientSampleId :

VN1217WBSD01

Tgt Ion:	146	Resp:	428447
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.7	59.0
148	64.2	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.937 ug/l

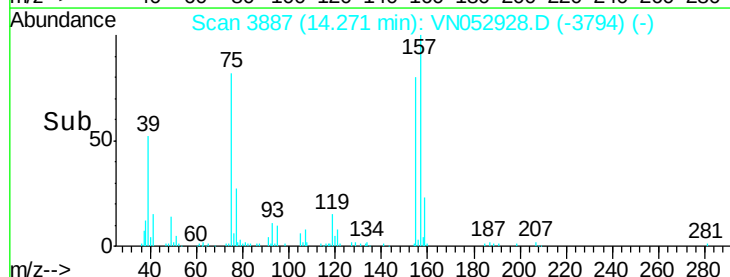
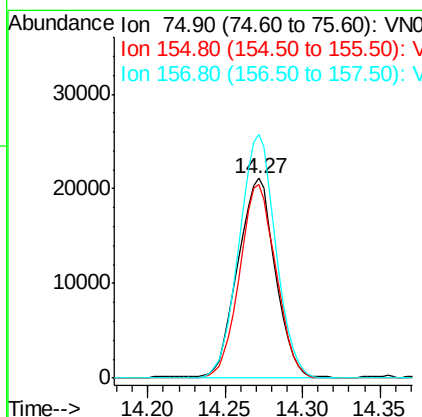
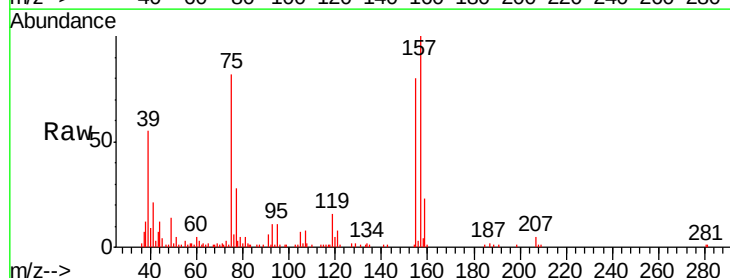
RT: 14.27 min Scan# 3887

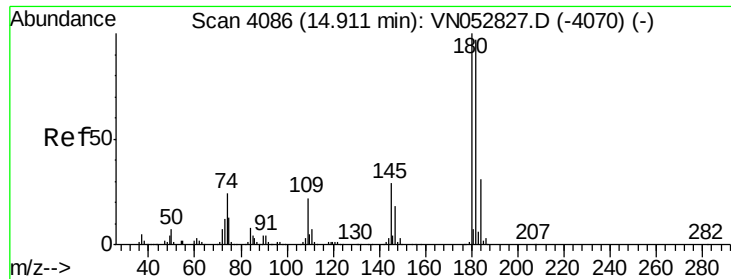
Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion:	75	Resp:	35775
Ion Ratio	Lower	Upper	
75	100		
155	93.6	48.2	144.6
157	118.6	61.2	183.5





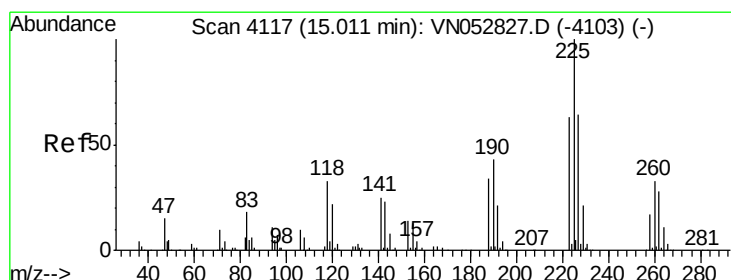
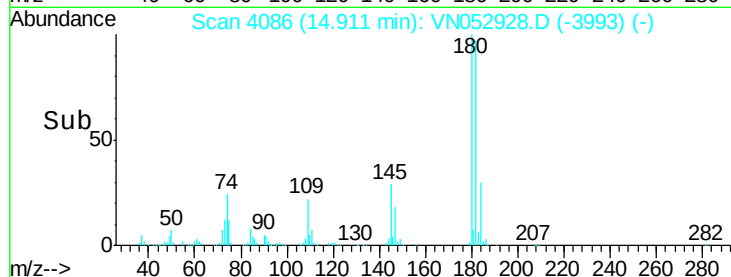
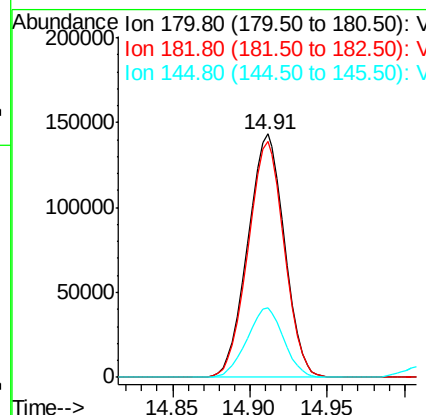
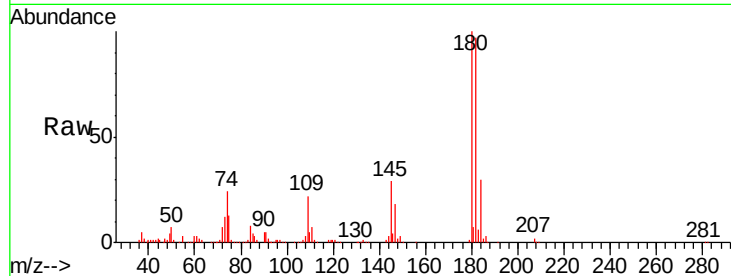
#93
 1,2,4-Trichlorobenzene
 Concen: 19.810 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	236808		
182	95.7	47.8	143.3	
145	28.7	14.2	42.6	

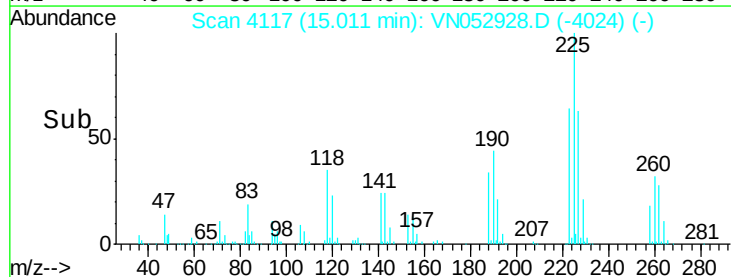
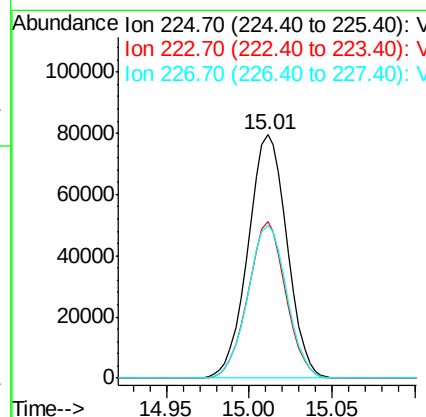
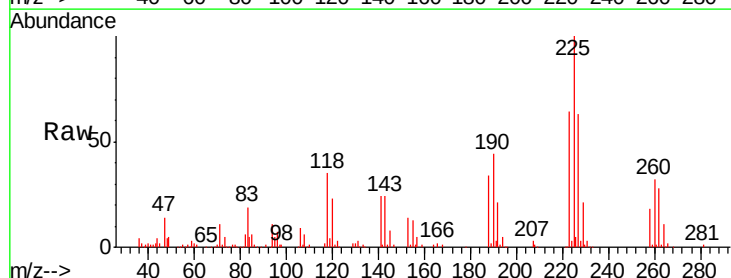
Manual Integrations
 APPROVED

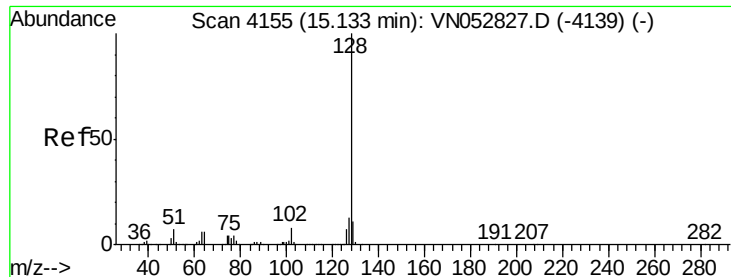
MMDadoda
 12/18/2018 1:33:25 PM



#94
 Hexachlorobutadiene
 Concen: 18.846 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052928.D
 Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130397		
223	62.1	31.5	94.5	
227	62.9	31.9	95.7	





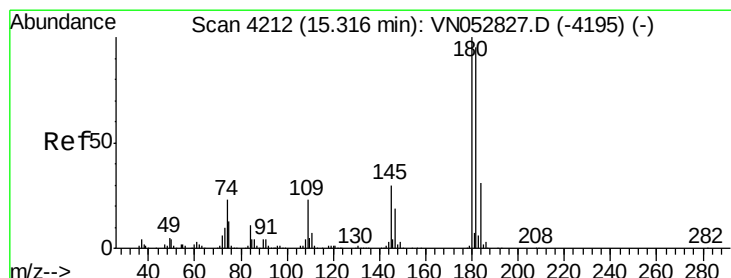
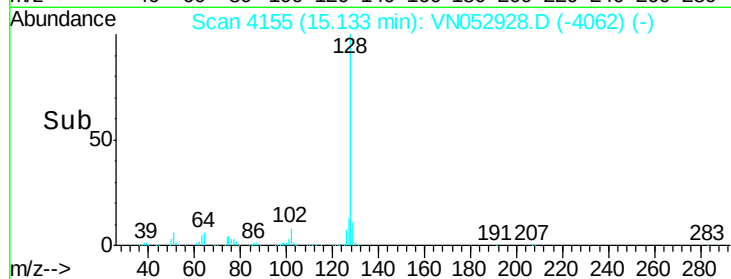
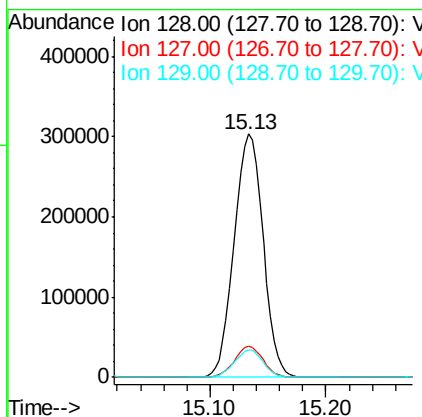
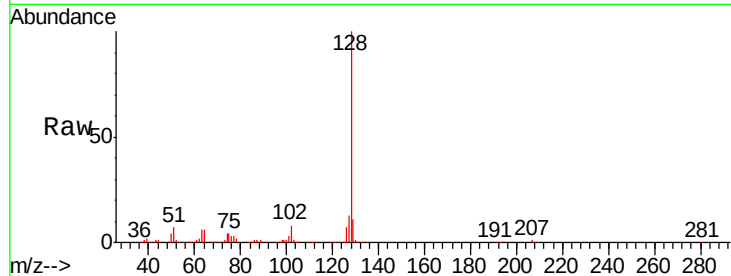
#95
Naphthalene
Concen: 21.226 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.5	10.2	15.4
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/18/2018 1:33:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.986 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052928.D
Acq: 17 Dec 2018 15:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.4	47.9	143.7
145	30.5	15.0	45.0

