

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
 Data File : VN052107.D
 Acq On : 1 Nov 2018 17:09
 Operator : MD\SY
 Sample : VN1101WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:41 AM

Quant Time: Nov 02 07:28:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	322947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	579999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	519251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	223493	43.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.26%	
35) Dibromofluoromethane	7.60	113	183328	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.09	98	697836	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.40	95	238312	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	82207	20.942	ug/l	99
3) Chloromethane	2.06	50	92855	18.769	ug/l	96
4) Vinyl Chloride	2.19	62	92215	17.318	ug/l	96
5) Bromomethane	2.57	94	63544	15.908	ug/l	96
6) Chloroethane	2.71	64	57466	16.715	ug/l	100
7) Trichlorofluoromethane	3.02	101	121897	20.045	ug/l	97
8) Diethyl Ether	3.41	74	45260	19.952	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	73089	20.373	ug/l	94
10) Methyl Iodide	3.95	142	93714	19.933	ug/l	98
11) Tert butyl alcohol	4.78	59	24627	94.897	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	65700	19.392	ug/l	90
13) Acrolein	3.61	56	17743	85.478	ug/l	98
14) Allyl chloride	4.33	41	116511	17.184	ug/l	95
15) Acrylonitrile	4.99	53	136936	92.301	ug/l	98
16) Acetone	3.82	43	99174	89.654	ug/l	95
17) Carbon Disulfide	4.06	76	183210	17.162	ug/l	99
18) Methyl Acetate	4.33	43	65316	18.548	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	201121	18.073	ug/l	93
20) Methylene Chloride	4.56	84	77422	18.368	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	73943	19.141	ug/l	89
22) Diisopropyl ether	5.95	45	252507	17.230	ug/l	99
23) Vinyl Acetate	5.90	43	890866	87.736	ug/l	97
24) 1,1-Dichloroethane	5.85	63	139955	17.079	ug/l	97
25) 2-Butanone	6.84	43	166449	95.935	ug/l	98
26) 2,2-Dichloropropane	6.83	77	107795	16.563	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	85788	18.595	ug/l	93
28) Bromochloromethane	7.20	49	64797	15.956	ug/l #	83
29) Tetrahydrofuran	7.22	42	107503	93.003	ug/l	97
30) Chloroform	7.38	83	145639	17.805	ug/l	100
31) Cyclohexane	7.66	56	133039	15.478	ug/l #	88
32) 1,1,1-Trichloroethane	7.58	97	122642	18.643	ug/l	96
36) 1,1-Dichloropropene	7.80	75	105996	17.973	ug/l	95
37) Ethyl Acetate	6.93	43	70110	17.761	ug/l	95
38) Carbon Tetrachloride	7.78	117	104272	20.506	ug/l	95

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Manual Integrations
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MMDadoda
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Quant Time: Nov 02 07:28:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	124166	17.742	ug/l	98
40) Benzene	8.04	78	325896	19.105	ug/l	100
41) Methacrylonitrile	7.17	41	30655	15.149	ug/l #	63
42) 1,2-Dichloroethane	8.13	62	106755	16.959	ug/l	98
43) Isopropyl Acetate	8.17	43	134075	19.097	ug/l	99
44) Trichloroethene	8.84	130	81693	21.414	ug/l	90
45) 1,2-Dichloropropane	9.12	63	86022	17.702	ug/l	98
46) Dibromomethane	9.21	93	54398	20.030	ug/l	94
47) Bromodichloromethane	9.40	83	105318	18.593	ug/l	99
48) Methyl methacrylate	9.20	41	65634	18.439	ug/l	96
49) 1,4-Dioxane	9.20	88	13163	455.025	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	371659	97.395	ug/l	100
52) Toluene	10.16	92	197651	19.194	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	105590	17.632	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	121300	18.239	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	72818	19.855	ug/l	96
56) Ethyl methacrylate	10.43	69	95682	18.238	ug/l	98
57) 1,3-Dichloropropane	10.71	76	123132	18.246	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	263150	94.300	ug/l	95
59) 2-Hexanone	10.75	43	253424	93.192	ug/l	100
60) Dibromochloromethane	10.90	129	72172	19.989	ug/l	97
61) 1,2-Dibromoethane	11.01	107	72928	20.002	ug/l	100
64) Tetrachloroethene	10.63	164	65784	20.912	ug/l	96
65) Chlorobenzene	11.44	112	219564	20.076	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	74226	21.615	ug/l	98
67) Ethyl Benzene	11.51	91	380571	19.513	ug/l	98
68) m/p-Xylenes	11.62	106	286802	41.084	ug/l	95
69) o-Xylene	11.95	106	137667	19.930	ug/l	100
70) Styrene	11.96	104	217526	19.462	ug/l	98
71) Bromoform	12.13	173	41850	20.316	ug/l #	99
73) Isopropylbenzene	12.25	105	362300	19.527	ug/l	98
74) N-amyl acetate	12.07	43	115495	17.837	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	87204	19.600	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	79751m	20.080	ug/l	
77) Bromobenzene	12.53	156	78872	20.317	ug/l	91
78) n-propylbenzene	12.59	91	421934	18.768	ug/l	98
79) 2-Chlorotoluene	12.68	91	251366	19.179	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	293760	19.456	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	21009	17.557	ug/l	94
82) 4-Chlorotoluene	12.77	91	253886	18.997	ug/l	98
83) tert-Butylbenzene	12.99	119	257300	20.287	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	301276	20.047	ug/l	99
85) sec-Butylbenzene	13.17	105	344341	19.005	ug/l	97
86) p-Isopropyltoluene	13.29	119	287783	19.503	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	147500	20.834	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	142174	20.037	ug/l	99
89) n-Butylbenzene	13.62	91	247255	17.570	ug/l	98
90) Hexachloroethane	13.88	117	46092	18.227	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	138549	20.815	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12988	20.800	ug/l	96

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54748	22.089	ug/l	99
94) Hexachlorobutadiene	15.01	225	30010	21.633	ug/l	93
95) Naphthalene	15.13	128	142456	22.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	48586	22.716	ug/l	98

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

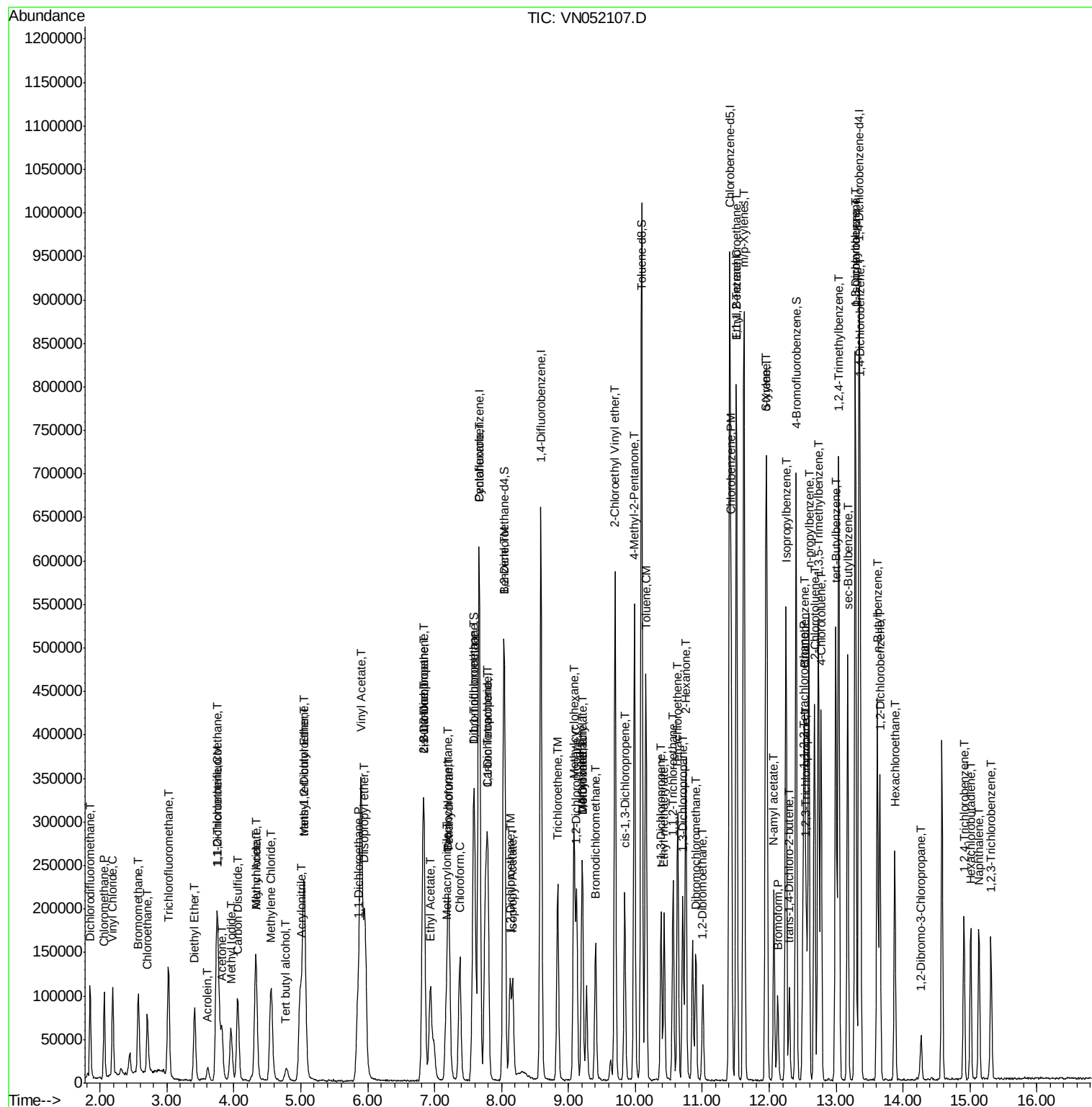
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Data File : VN052107.D
Acq On : 1 Nov 2018 17:09
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Sample : VN1101WBSD02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 28

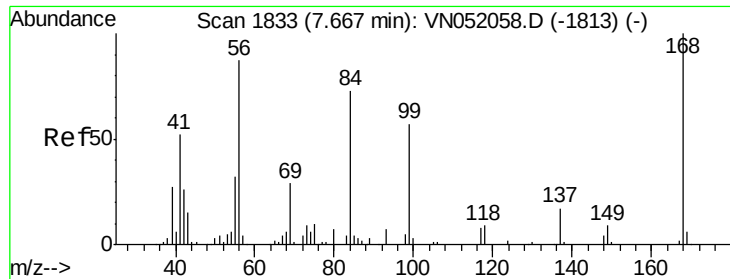
Instrument :
MSVOA_N
Client Sample Id :
VN1101WBSD02

Manual Integrations
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MMDadoda
11/2/2018 9:21:41 AM

Quant Time: Nov 02 07:28:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion: 168 Resp: 322947

Ion Ratio Lower Upper

168 100

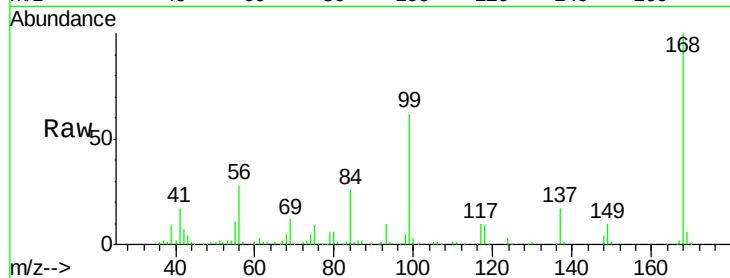
99 61.3 56.6 85.0

Manual Integrations

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11/2/2018 9:21:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

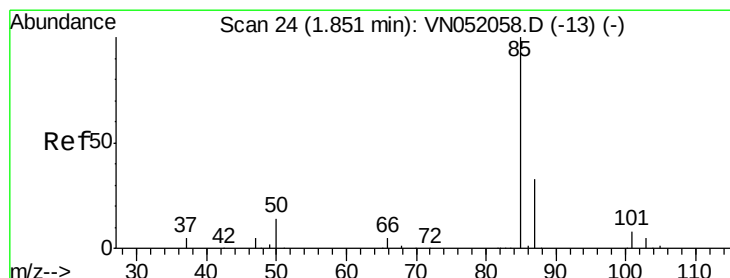
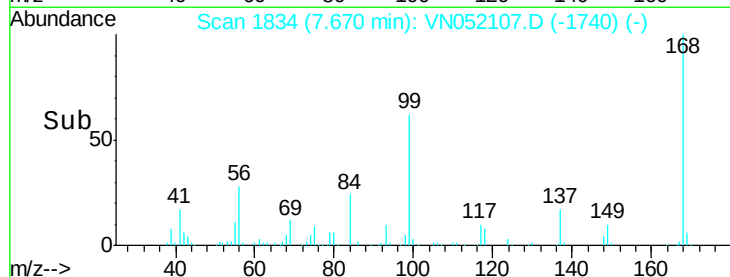
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.942 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052107.D

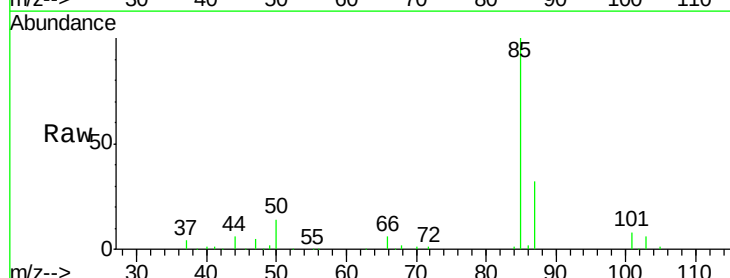
Acq: 1 Nov 2018 17:09

Tgt Ion: 85 Resp: 82207

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

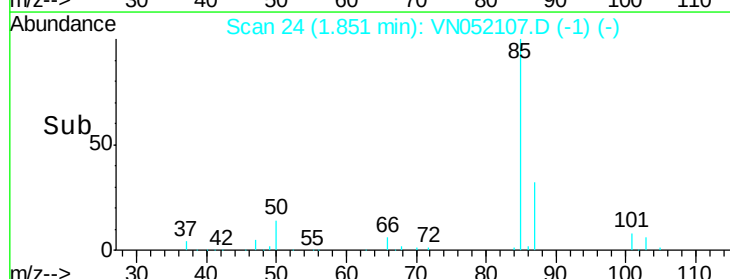
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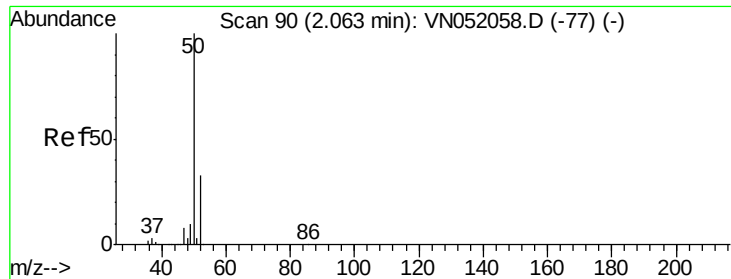
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20000

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Time-->





#3

Chloromethane

Concen: 18.769 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion: 50 Resp: 92855

Ion Ratio Lower Upper

50 100

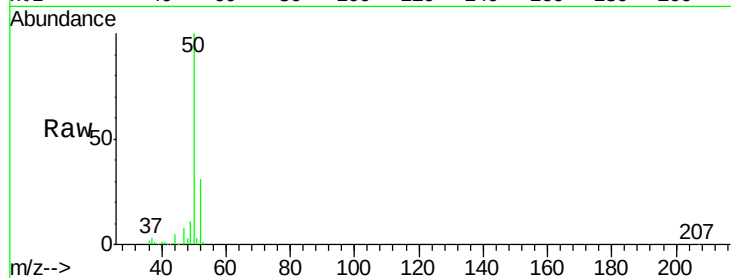
52 31.1 26.6 39.8

Manual Integrations

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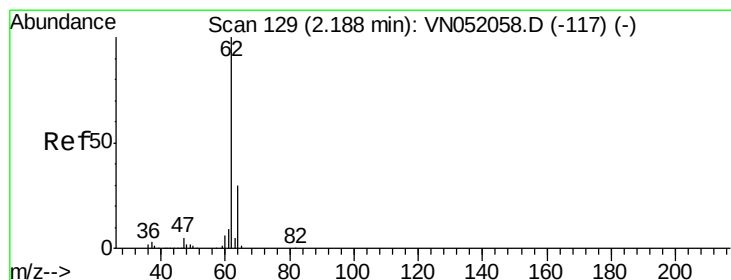
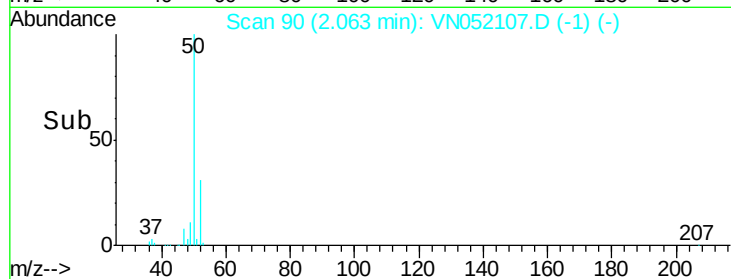
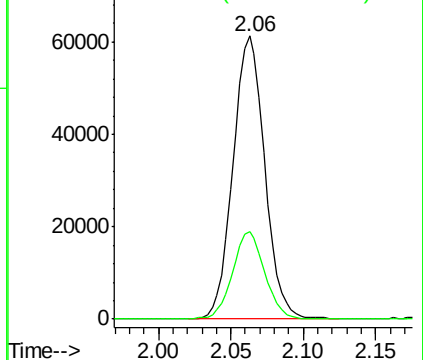
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.318 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052107.D

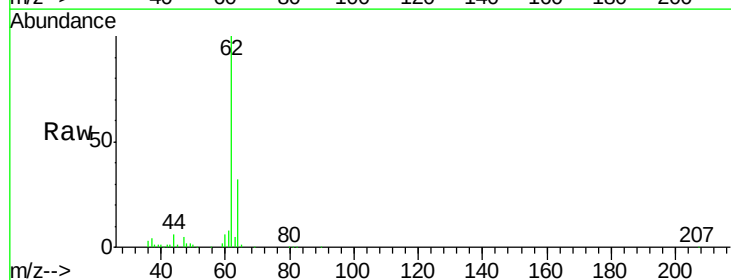
Acq: 1 Nov 2018 17:09

Tgt Ion: 62 Resp: 92215

Ion Ratio Lower Upper

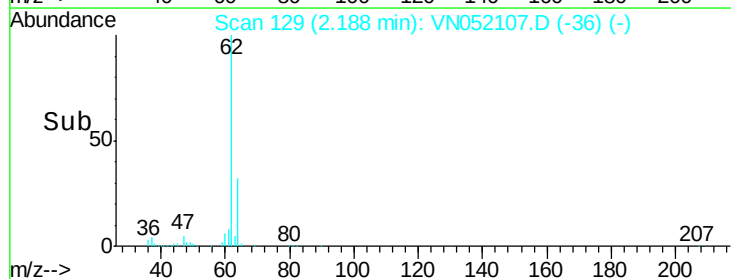
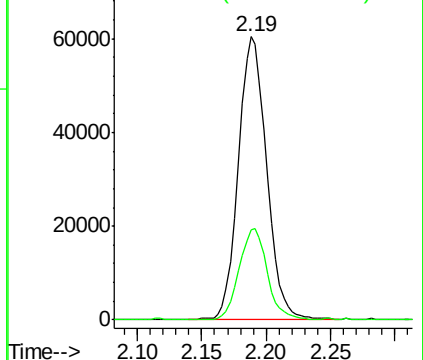
62 100

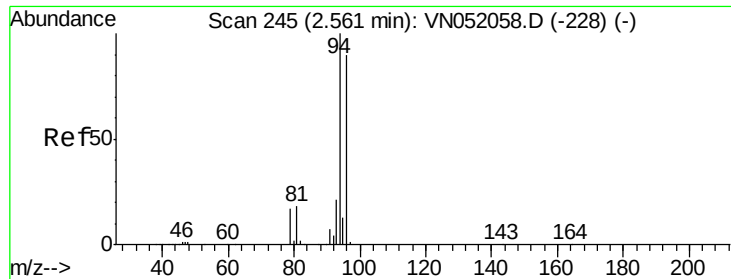
64 31.7 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.908 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion: 94 Resp: 63544

Ion Ratio Lower Upper

94 100

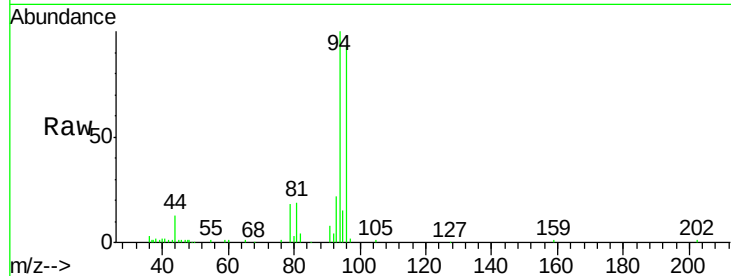
96 93.4 71.8 107.6

Manual Integrations

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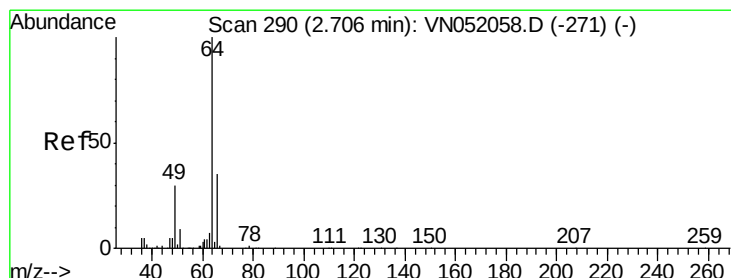
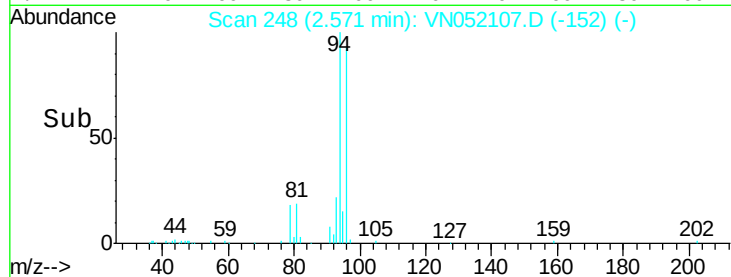
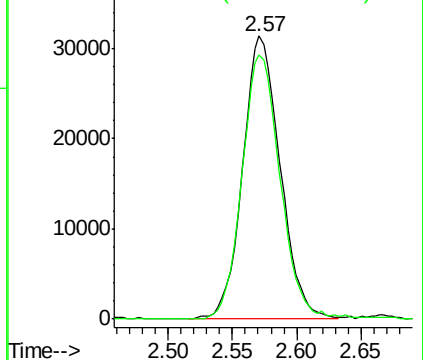
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 16.715 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052107.D

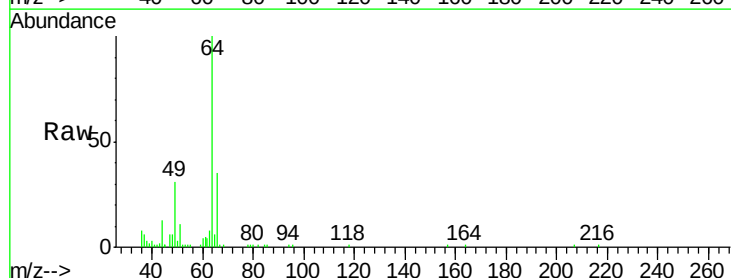
Acq: 1 Nov 2018 17:09

Tgt Ion: 64 Resp: 57466

Ion Ratio Lower Upper

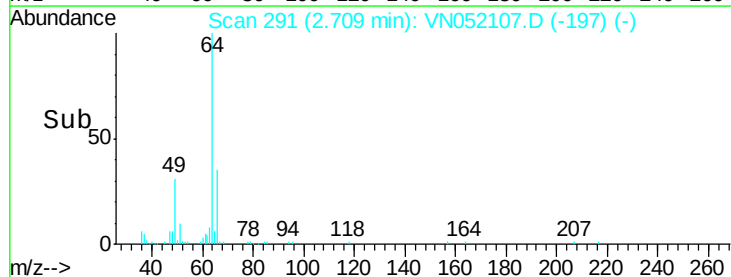
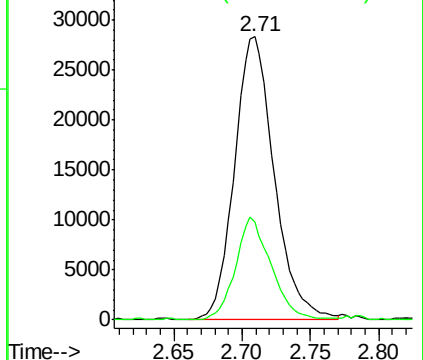
64 100

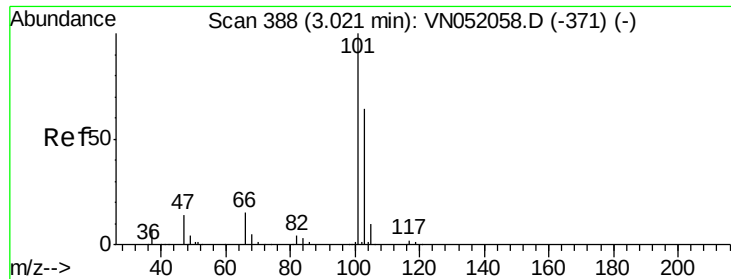
66 34.6 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

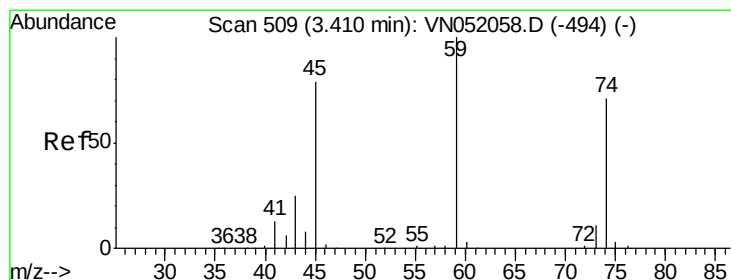
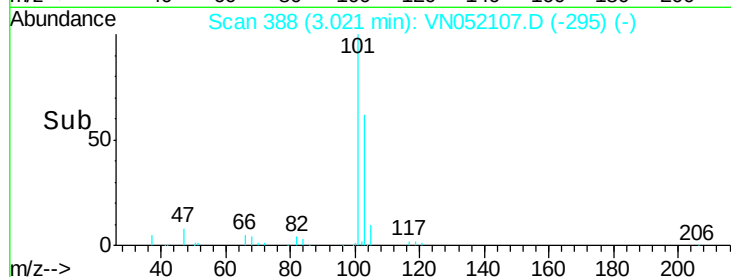
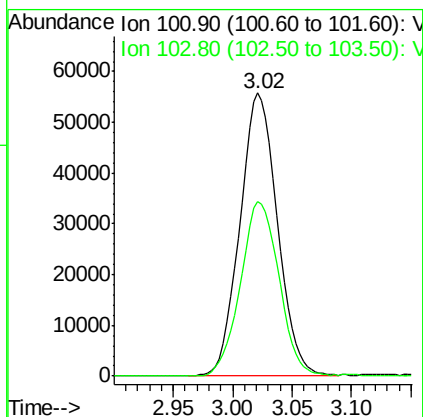
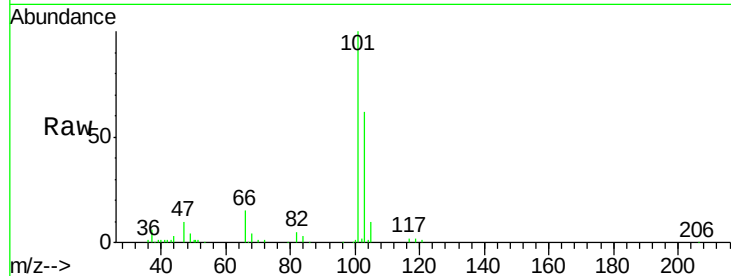
Trichlorofluoromethane
Concen: 20.045 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	61.7	51.0	76.4

Manual Integrations
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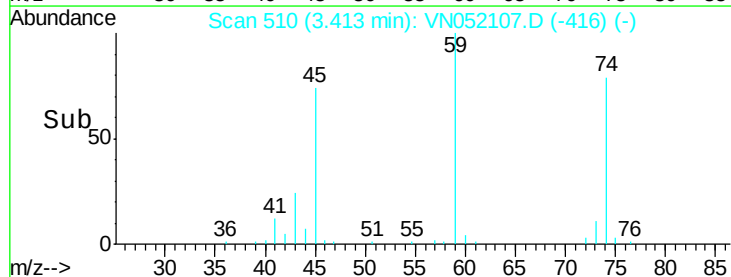
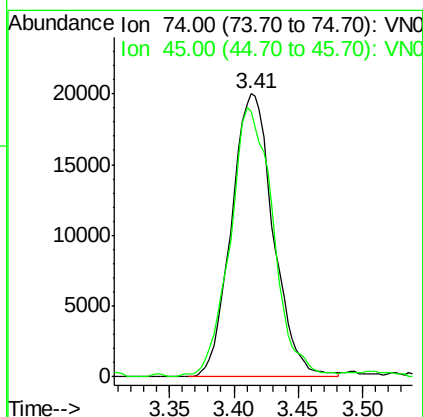
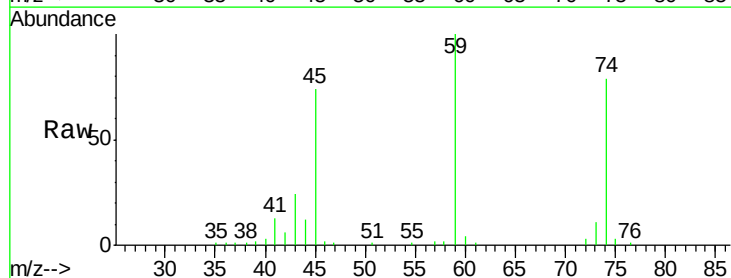
MMDadoda
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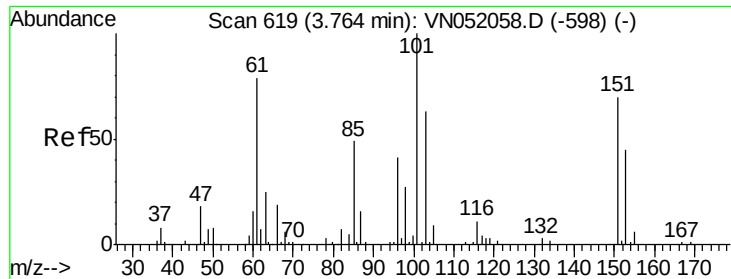


#8

Diethyl Ether
Concen: 19.952 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	55.6	166.8





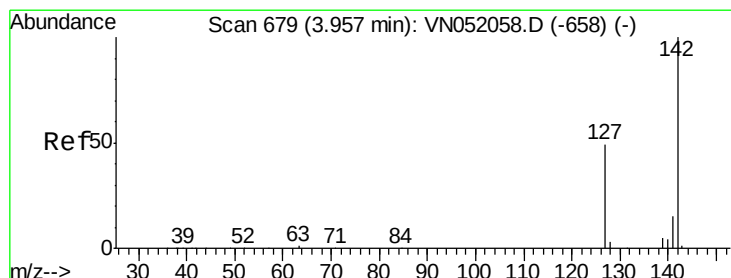
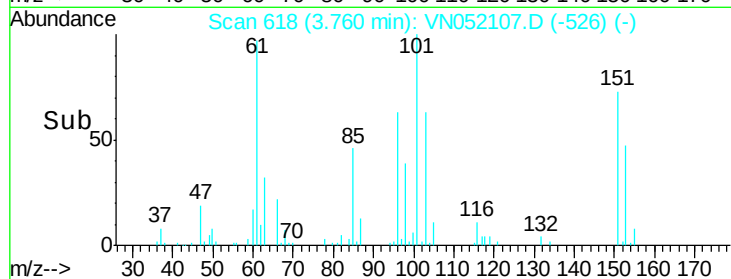
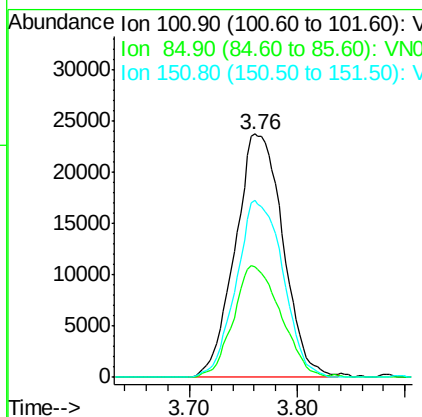
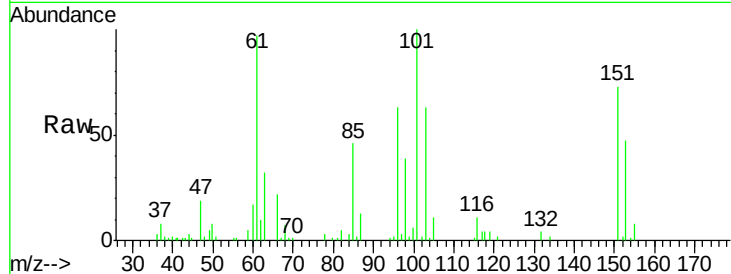
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.373 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.3	38.6	58.0
151	71.2	52.6	78.8

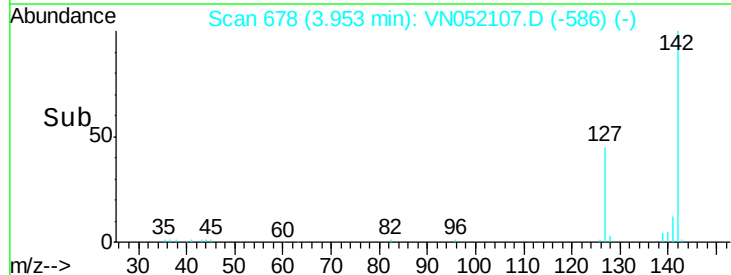
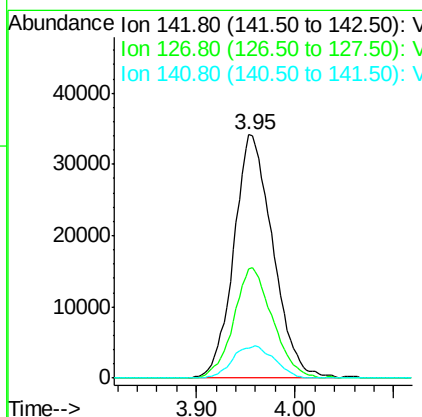
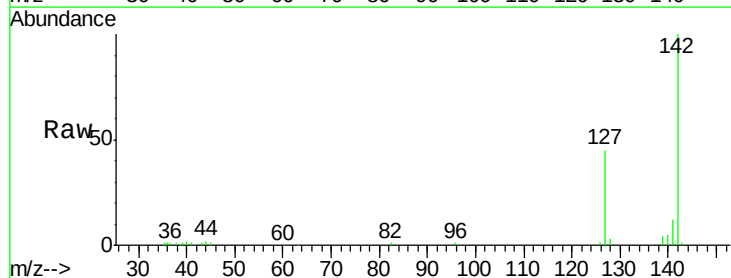
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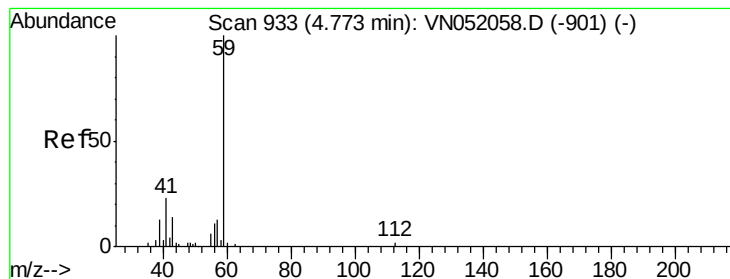
MMDadoda
 11/2/2018 9:21:41 AM



#10
 Methyl Iodide
 Concen: 19.933 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.1	37.3	55.9
141	14.0	11.4	17.2





#11

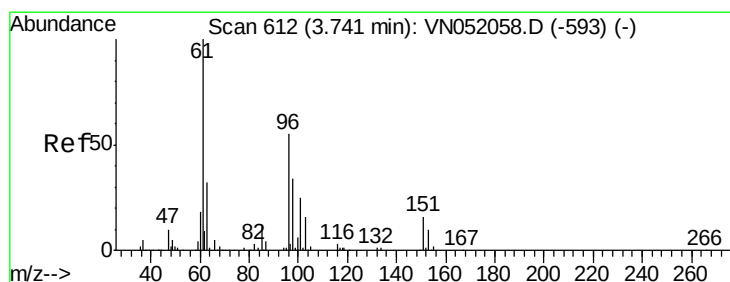
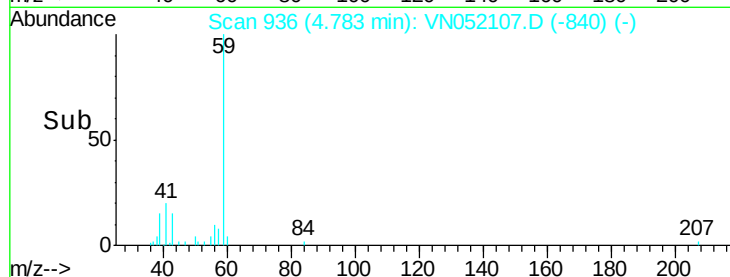
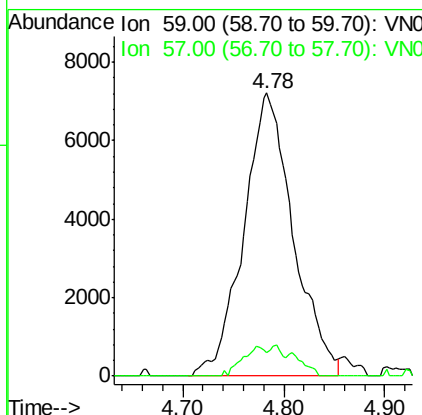
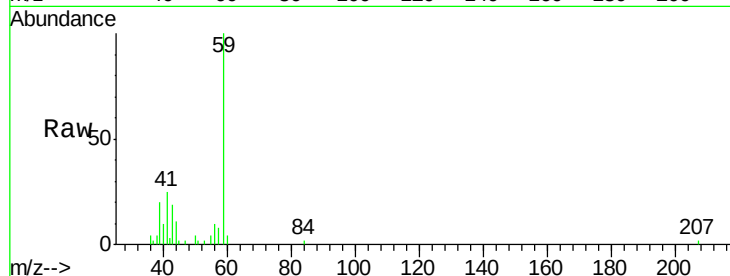
Tert butyl alcohol
 Concen: 94.897 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion: 59 Resp: 24627
 Ion Ratio Lower Upper
 59 100
 57 5.0 7.0 10.6#

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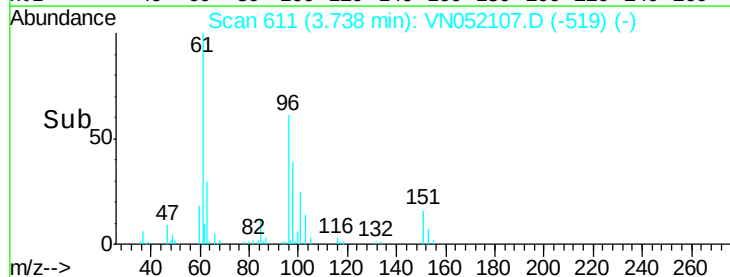
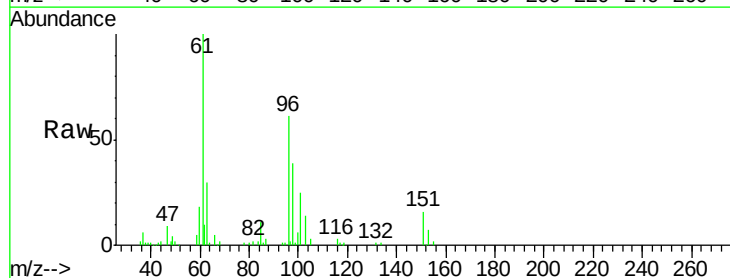
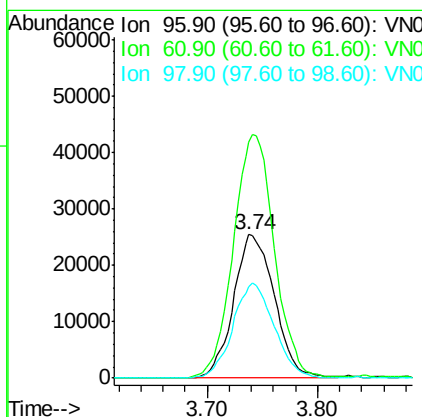
MMDadoda
 11/2/2018 9:21:41 AM

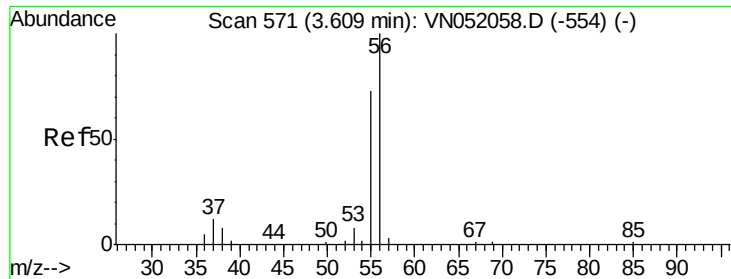


#12

1,1-Dichloroethene
 Concen: 19.392 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion: 96 Resp: 65700
 Ion Ratio Lower Upper
 96 100
 61 163.2 145.7 218.5
 98 63.5 49.8 74.8





#13

Acrolein

Concen: 85.478 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion: 56 Resp: 17743

Ion Ratio Lower Upper

56 100

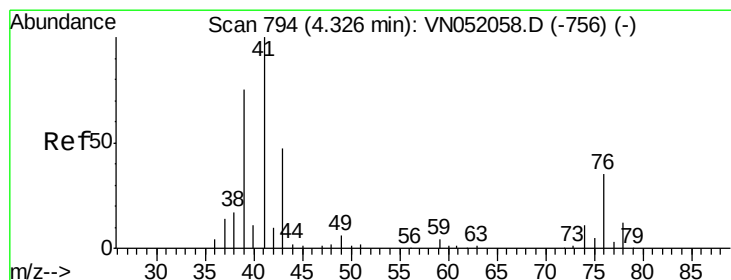
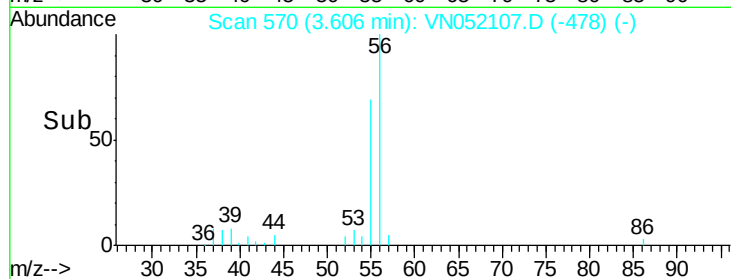
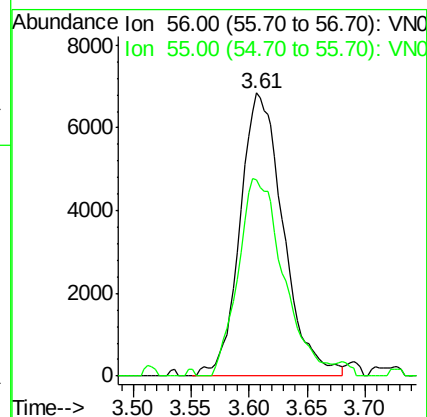
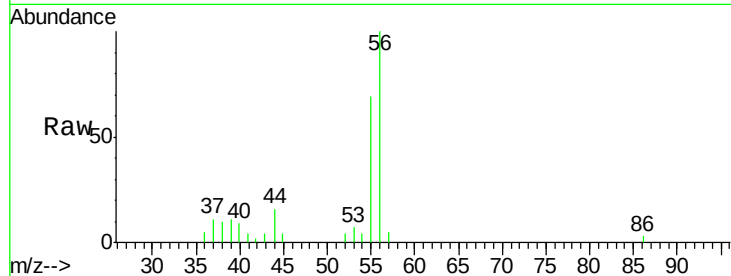
55 73.6 59.9 89.9

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#14

Allyl chloride

Concen: 17.184 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

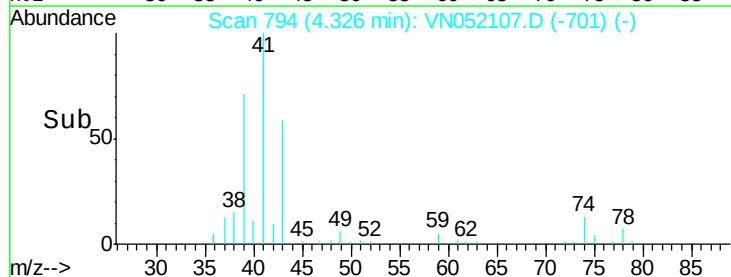
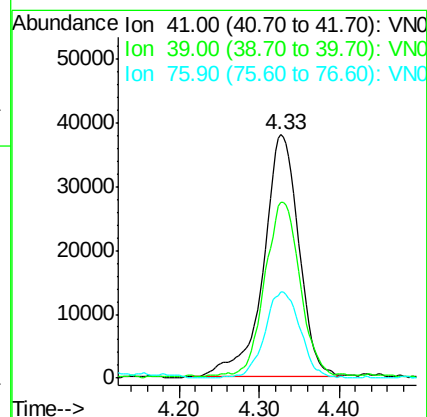
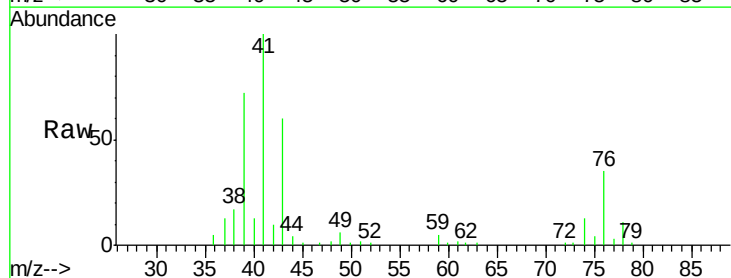
Tgt Ion: 41 Resp: 116511

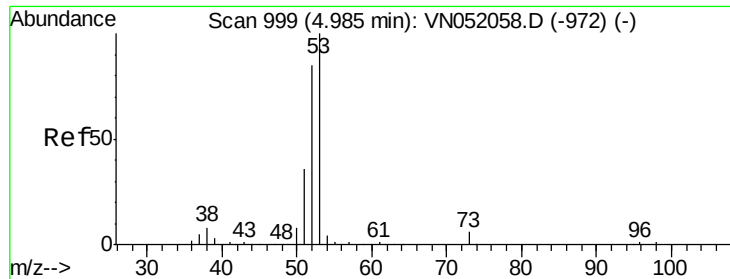
Ion Ratio Lower Upper

41 100

39 69.2 58.1 87.1

76 35.8 26.0 39.0





#15

Acrylonitrile

Concen: 92.301 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

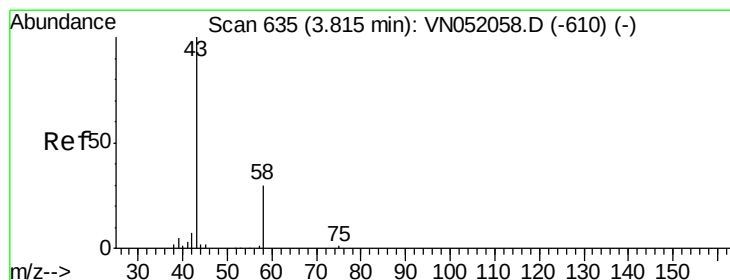
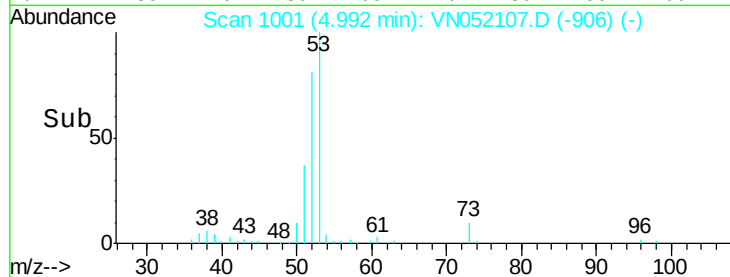
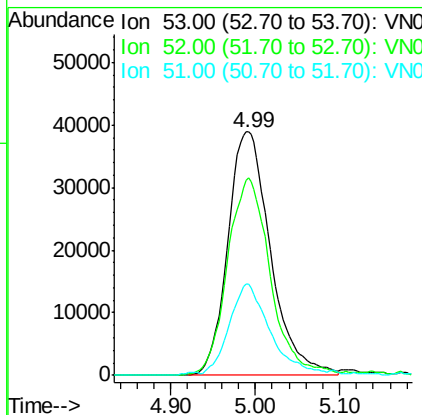
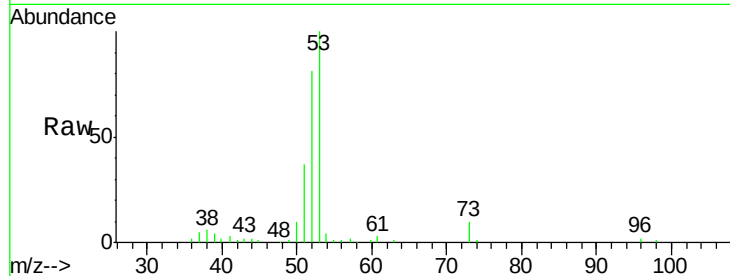
ClientSampleId :

VN1101WBSD02

Tgt Ion:	53	Resp:	136936
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.6	100.0
51	34.7	29.0	43.6

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#16

Acetone

Concen: 89.654 ug/l

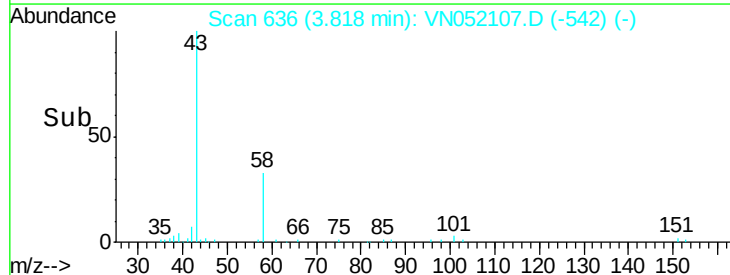
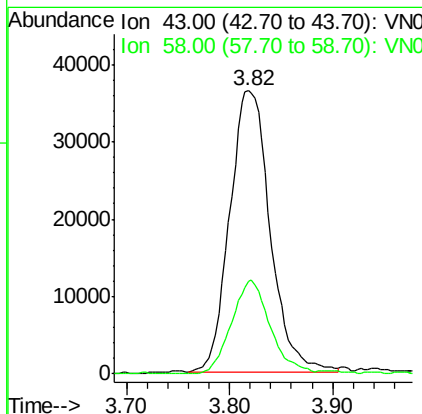
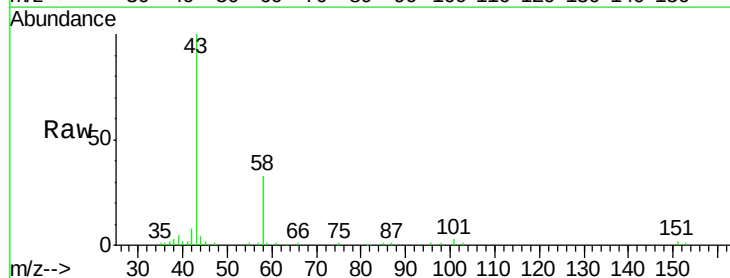
RT: 3.82 min Scan# 636

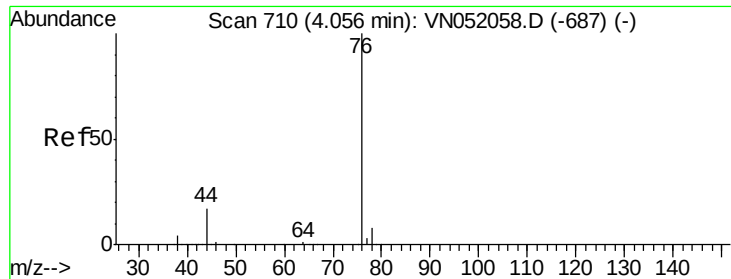
Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Tgt Ion:	43	Resp:	99174
Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.2	36.2





#17

Carbon Disulfide

Concen: 17.162 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion: 76 Resp: 183210

Ion Ratio Lower Upper

76 100

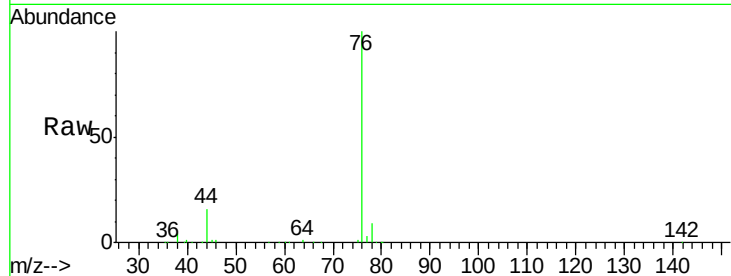
78 8.9 6.8 10.2

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Abundance Ion 75.90 (75.60 to 76.60): VN052107.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN052107.D (-617) (-)

4.06

80000

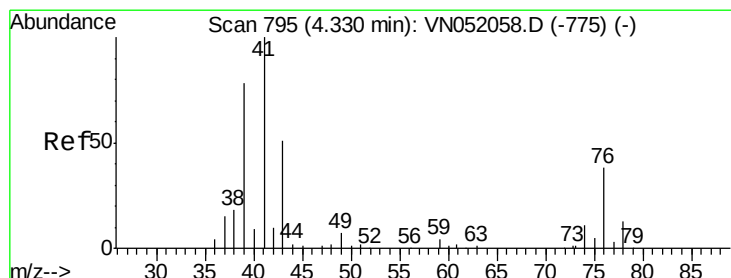
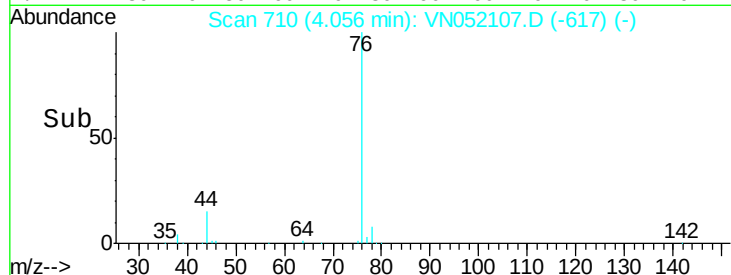
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.548 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN052107.D

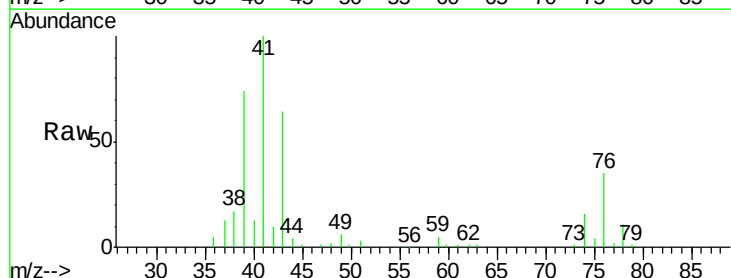
Acq: 1 Nov 2018 17:09

Tgt Ion: 43 Resp: 65316

Ion Ratio Lower Upper

43 100

74 23.0 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN052107.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN052107.D (-702) (-)

4.33

25000

20000

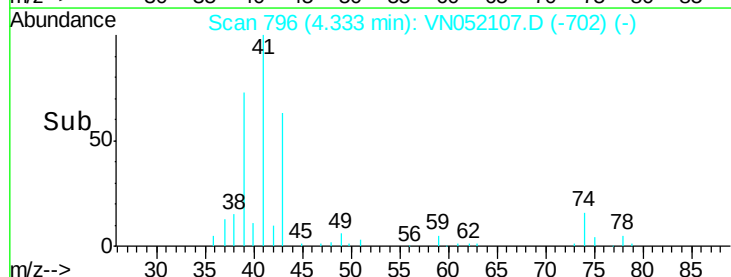
15000

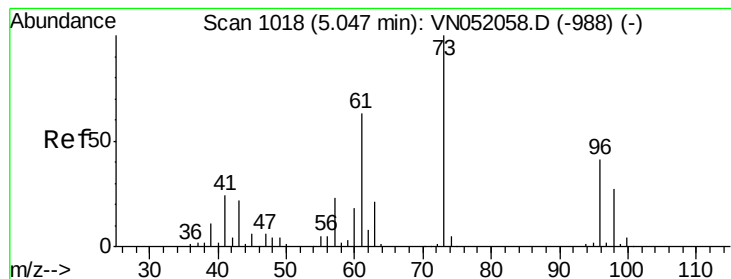
10000

5000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 18.073 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion: 73 Resp: 201121

Ion Ratio Lower Upper

73 100

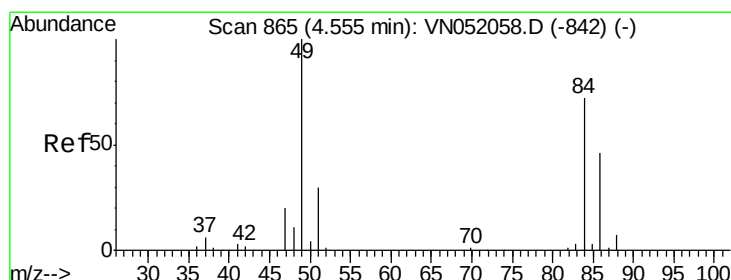
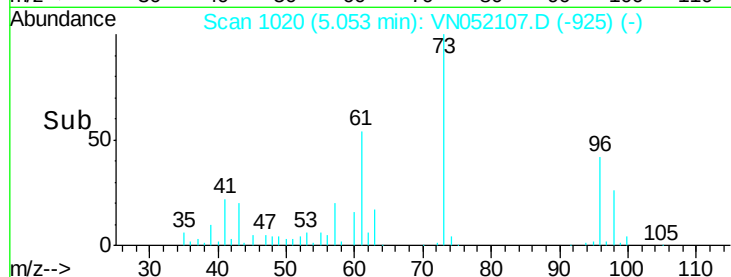
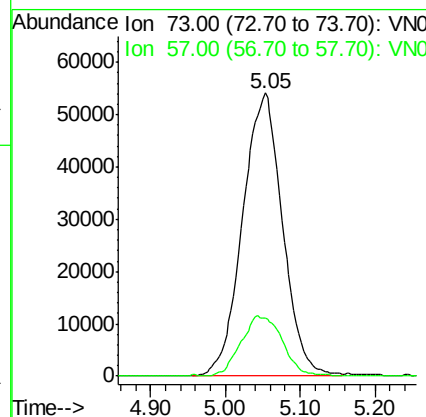
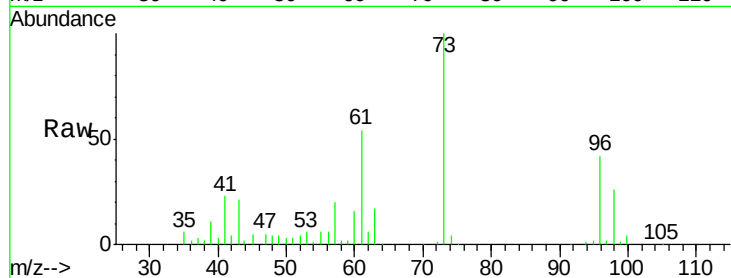
57 20.1 18.7 28.1

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11/2/2018 9:21:41 AM



#20

Methylene Chloride

Concen: 18.368 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Tgt Ion: 84 Resp: 77422

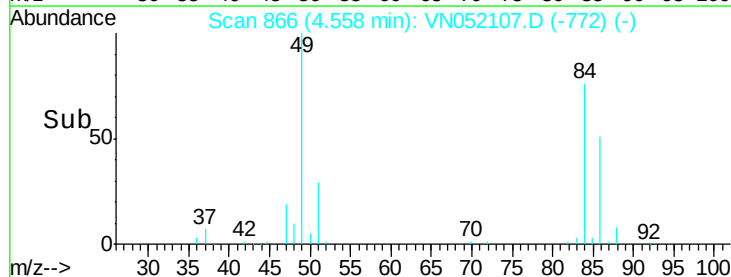
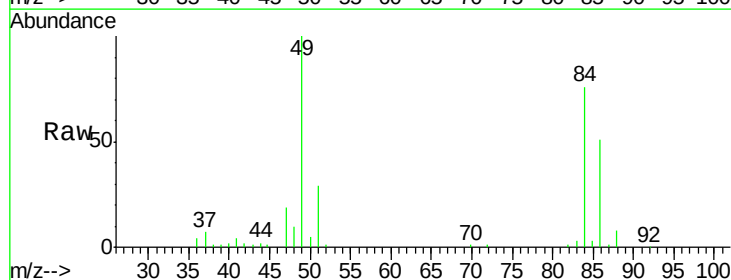
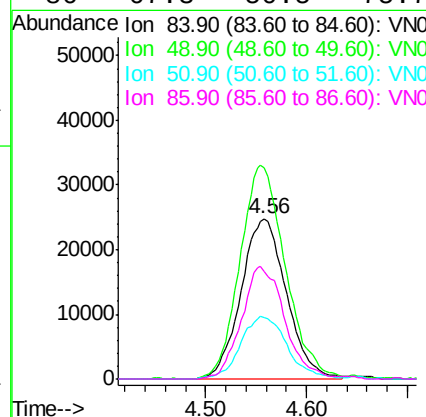
Ion Ratio Lower Upper

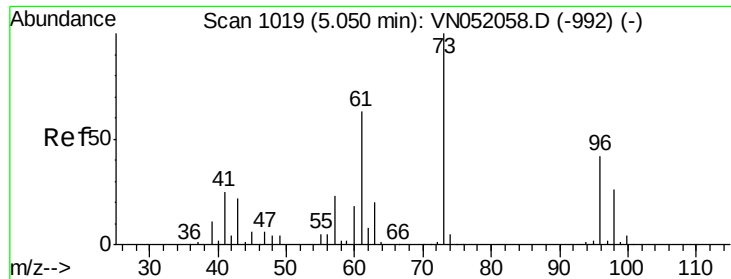
84 100

49 131.5 110.6 165.8

51 38.6 33.7 50.5

86 67.3 50.5 75.7





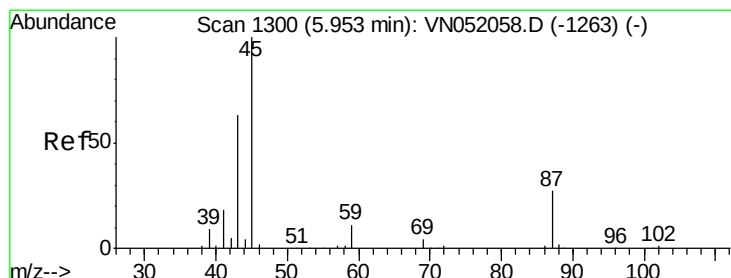
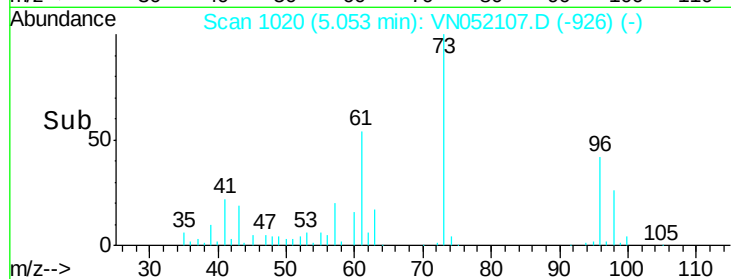
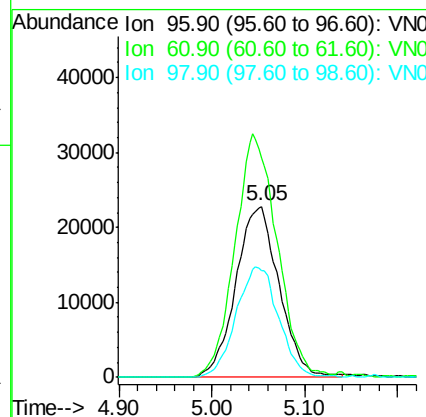
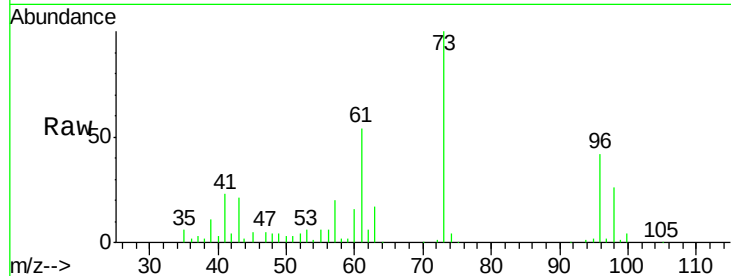
#21
trans-1,2-Dichloroethene
Concen: 19.141 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion: 96 Resp: 73943
Ion Ratio Lower Upper
96 100
61 128.7 118.6 178.0
98 62.7 49.7 74.5

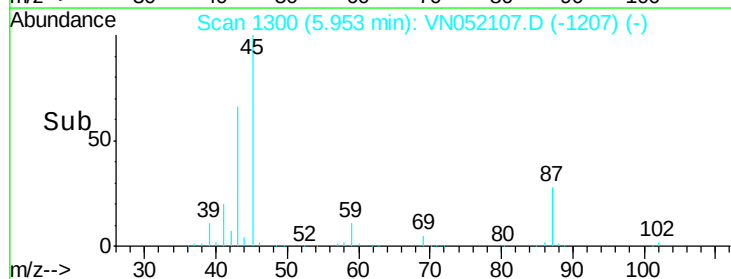
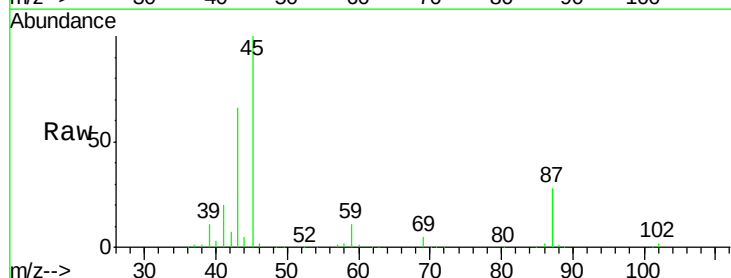
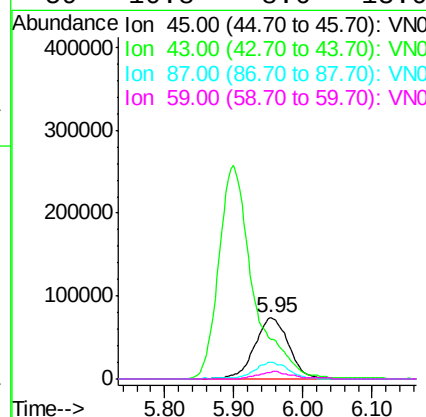
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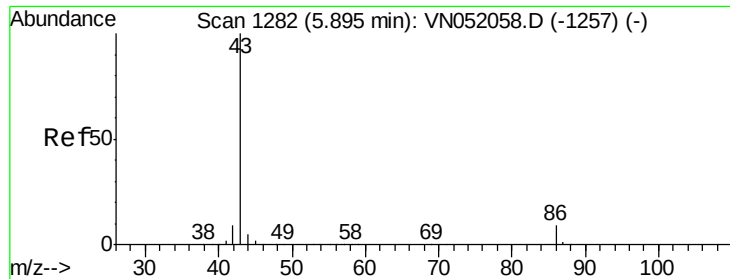
MMDadoda
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#22
Diisopropyl ether
Concen: 17.230 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion: 45 Resp: 252507
Ion Ratio Lower Upper
45 100
43 63.5 50.5 75.7
87 27.5 21.5 32.3
59 10.8 8.6 13.0





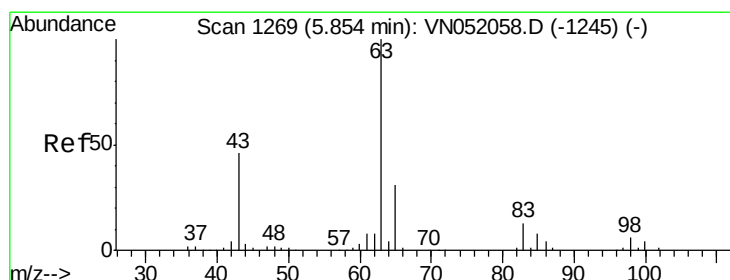
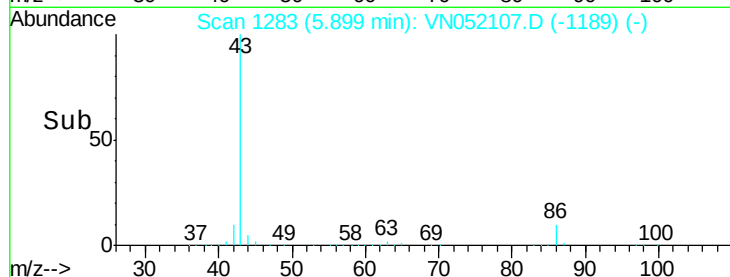
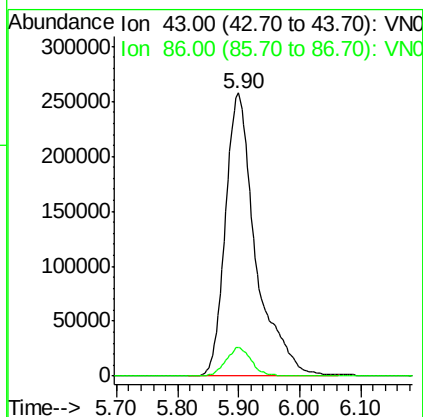
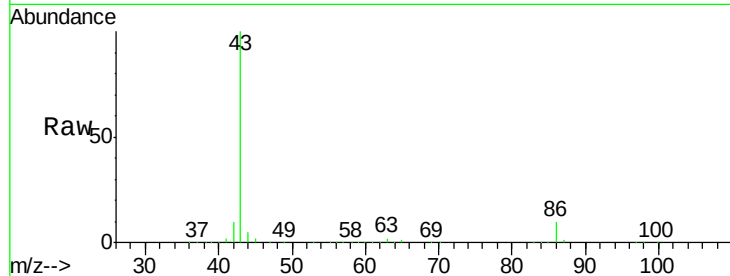
#23
 Vinyl Acetate
 Concen: 87.736 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion: 43 Resp: 890866
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.3 10.9

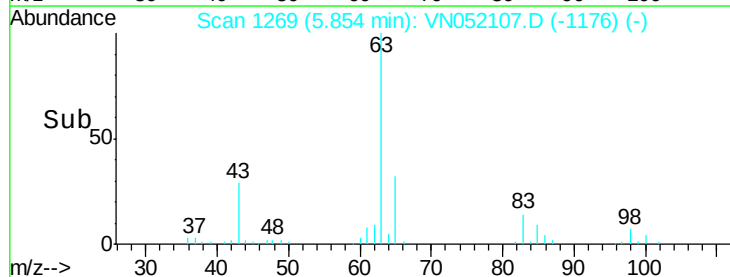
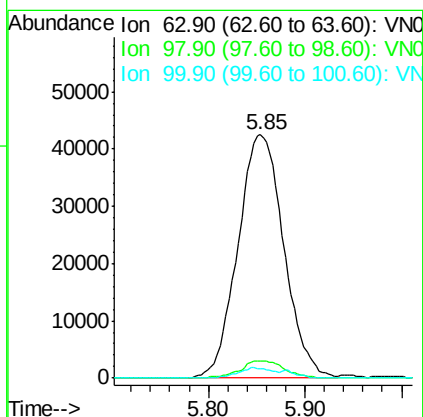
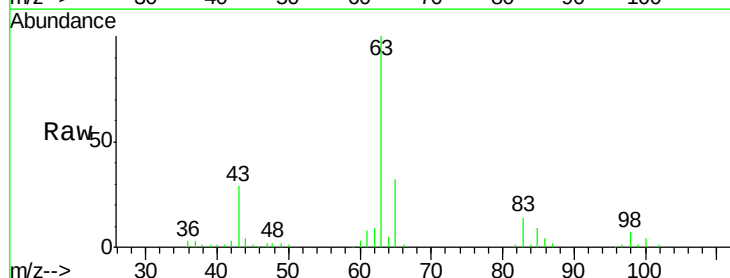
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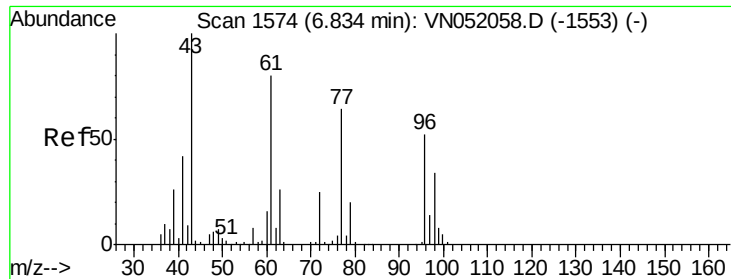
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 17.079 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion: 63 Resp: 139955
 Ion Ratio Lower Upper
 63 100
 98 6.9 2.8 8.4
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 95.935 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion: 43 Resp: 166449

Ion Ratio Lower Upper

43 100

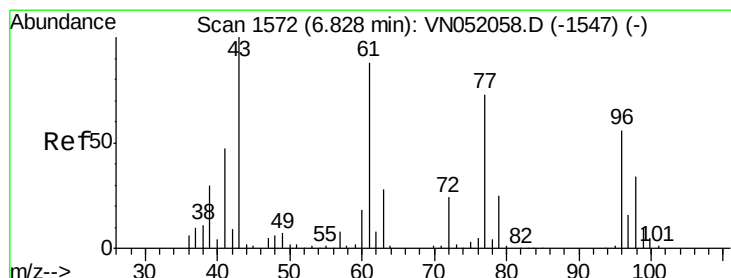
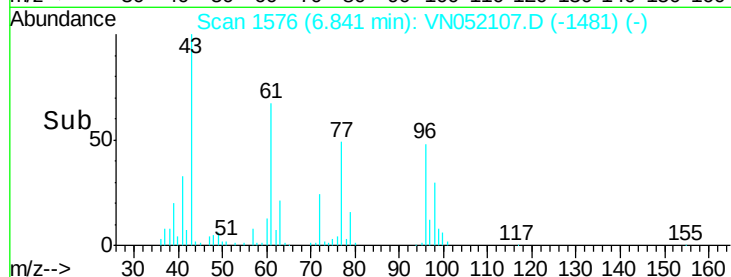
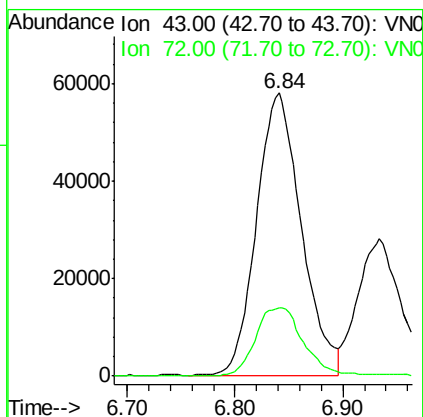
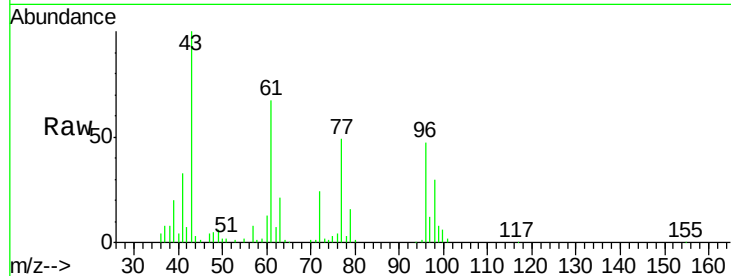
72 24.2 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.563 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052107.D

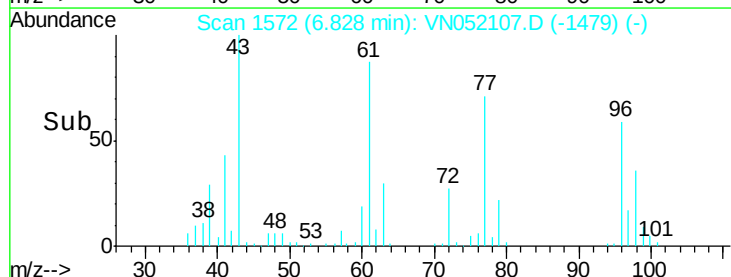
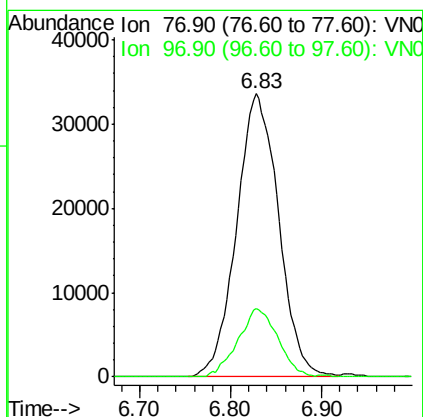
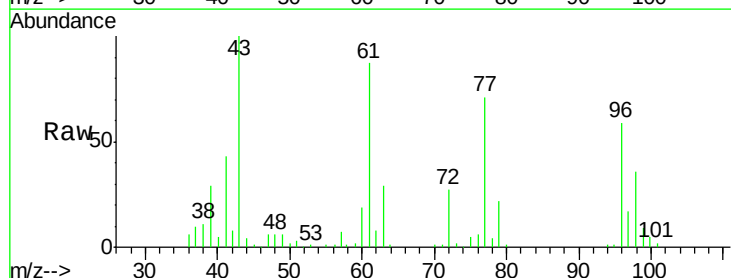
Acq: 1 Nov 2018 17:09

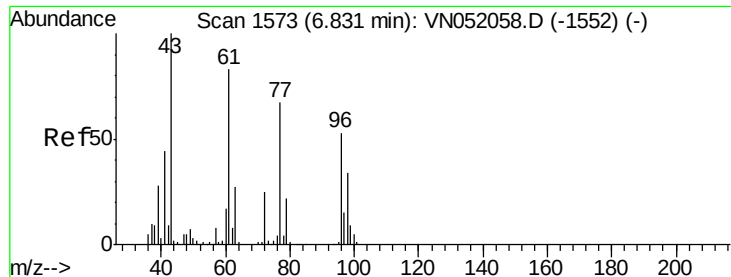
Tgt Ion: 77 Resp: 107795

Ion Ratio Lower Upper

77 100

97 22.9 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.595 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

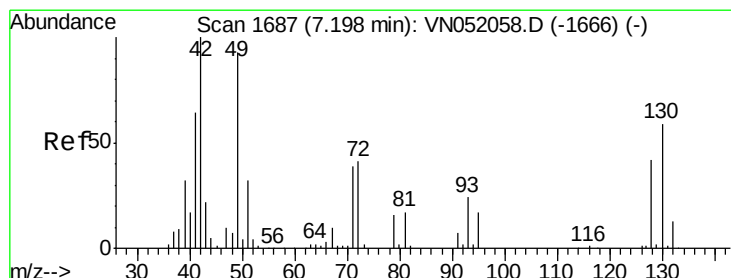
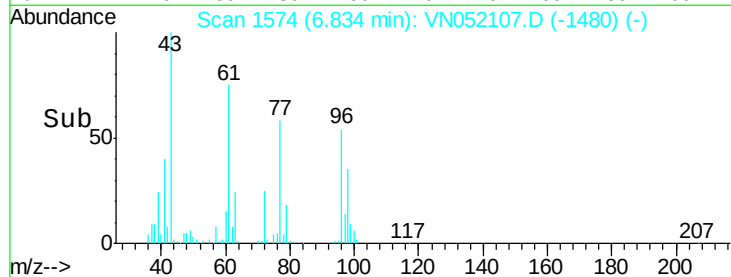
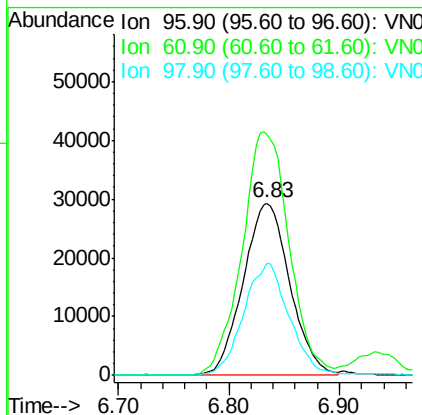
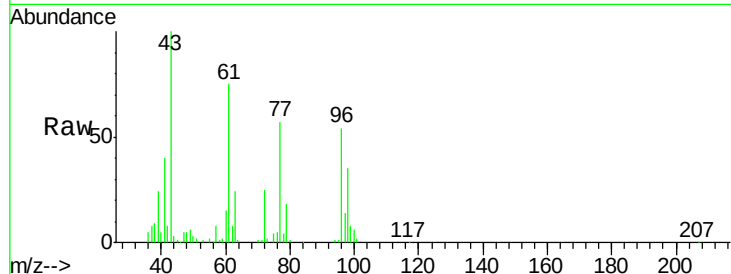
ClientSampleId :

VN1101WBSD02

Tgt Ion:	96	Resp:	85788
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	312.8
98	63.5	0.0	127.0

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#28

Bromochloromethane

Concen: 15.956 ug/l

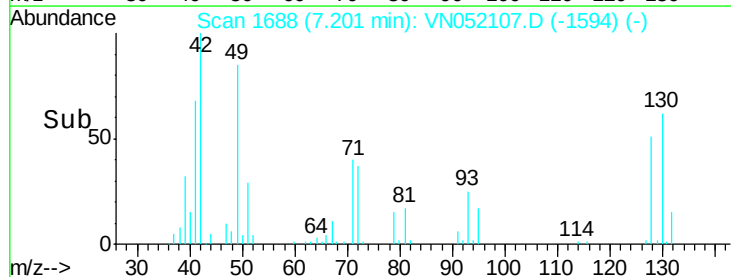
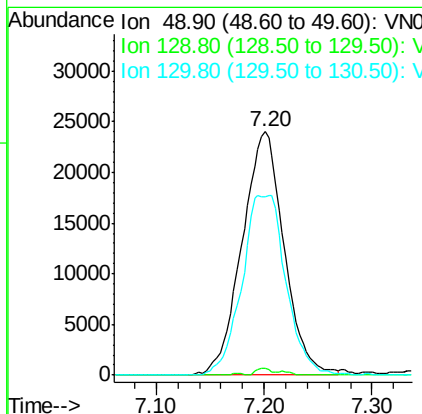
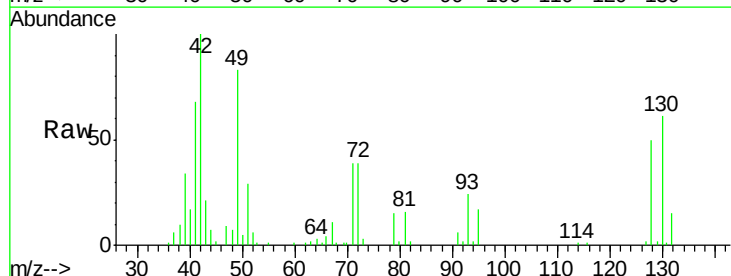
RT: 7.20 min Scan# 1688

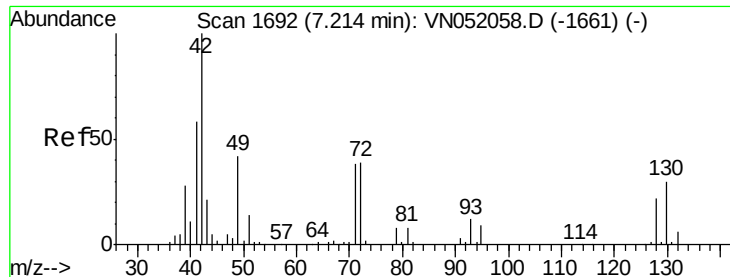
Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Tgt Ion:	49	Resp:	64797
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.4
130	77.1	50.8	76.2#





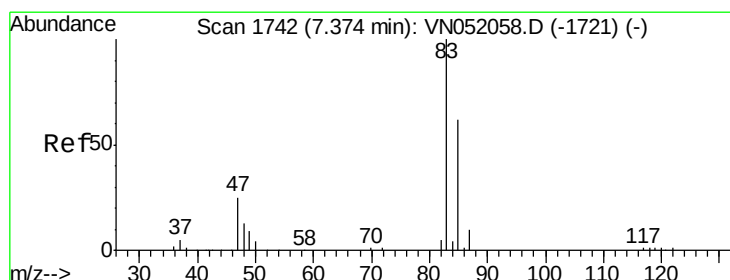
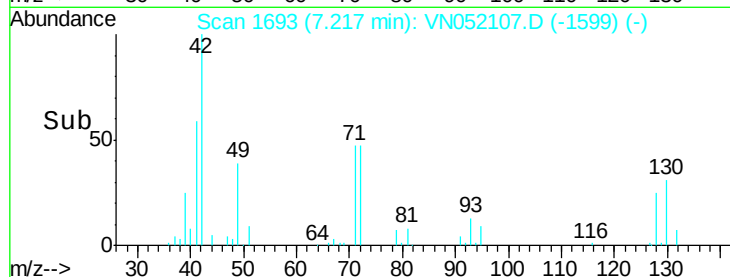
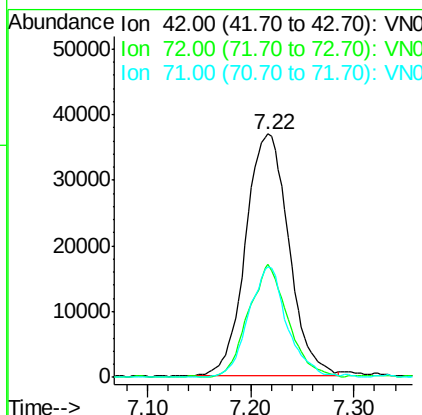
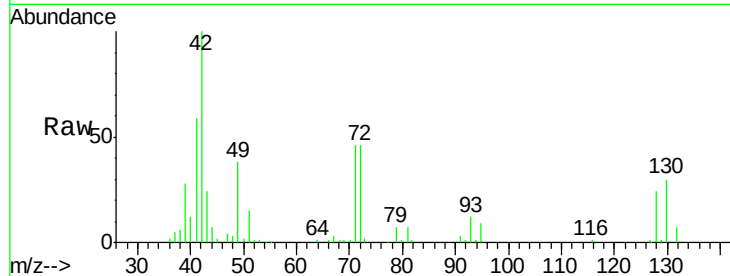
#29
Tetrahydrofuran
Concen: 93.003 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.6	32.5	48.7
71	40.5	30.6	46.0

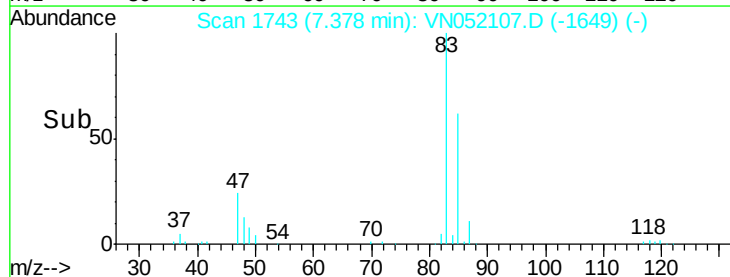
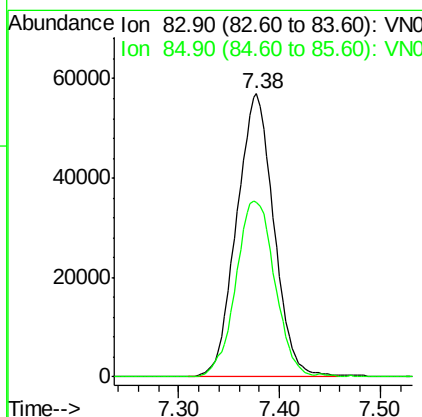
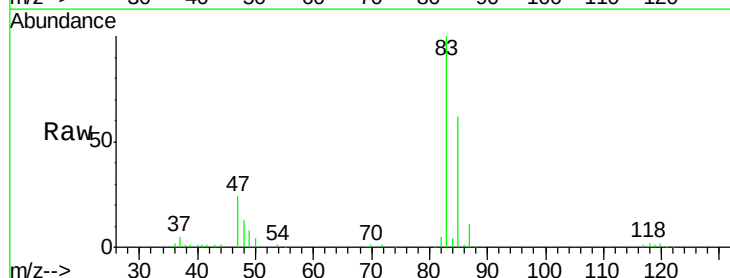
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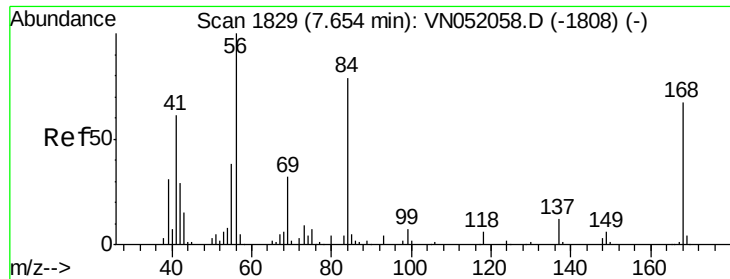
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11/2/2018 9:21:41 AM



#30
Chloroform
Concen: 17.805 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	49.6	74.4





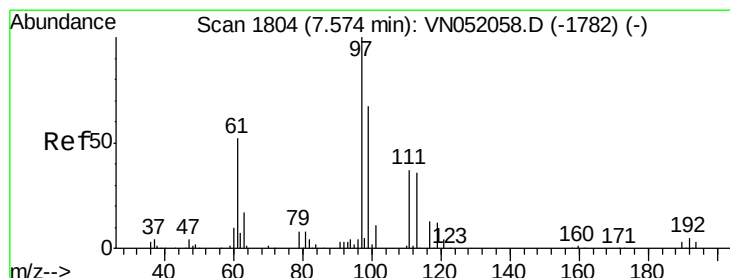
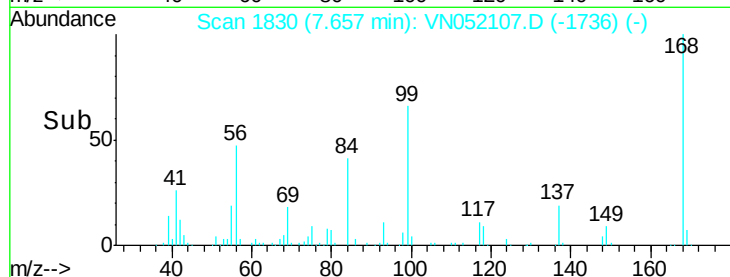
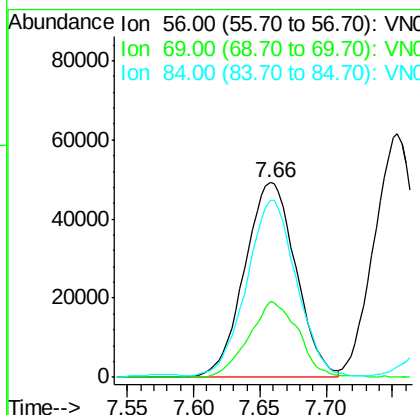
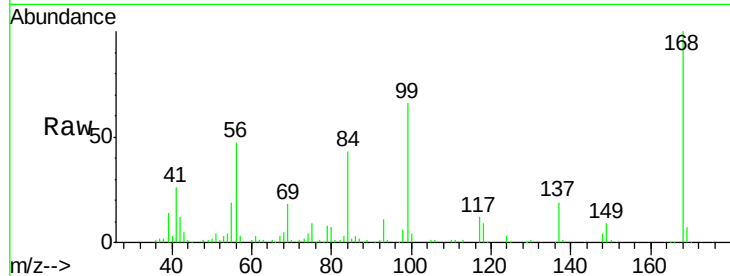
#31
Cyclohexane
Concen: 15.478 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	38.8	25.8	38.6#
84	90.3	63.5	95.3

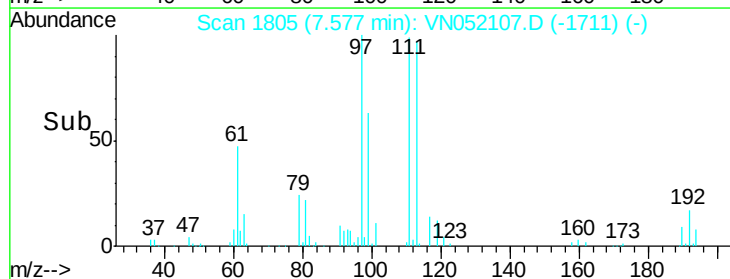
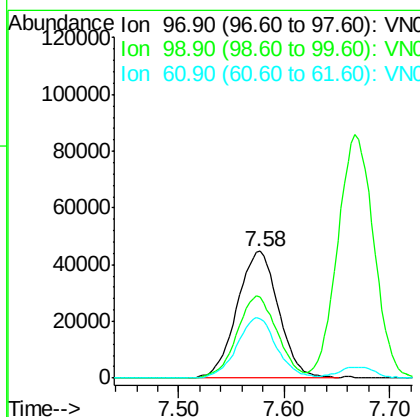
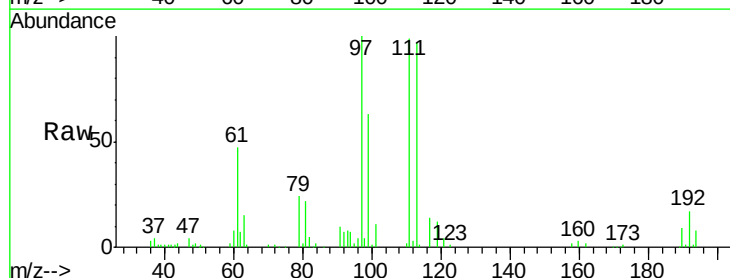
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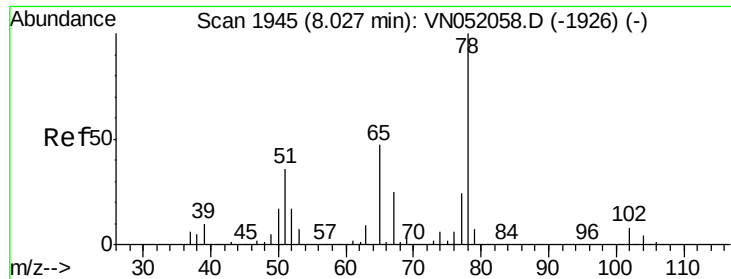
MMDadoda
11/2/2018 9:21:41 AM



#32
1,1,1-Trichloroethane
Concen: 18.643 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.4	77.2
61	45.6	40.3	60.5





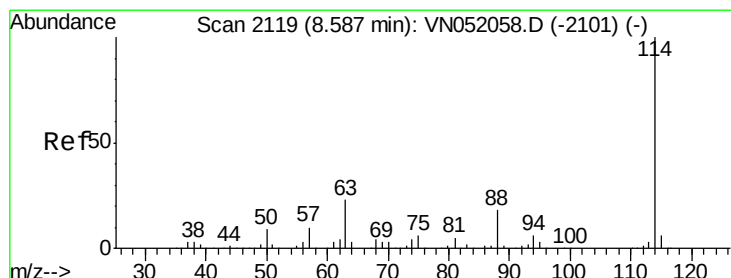
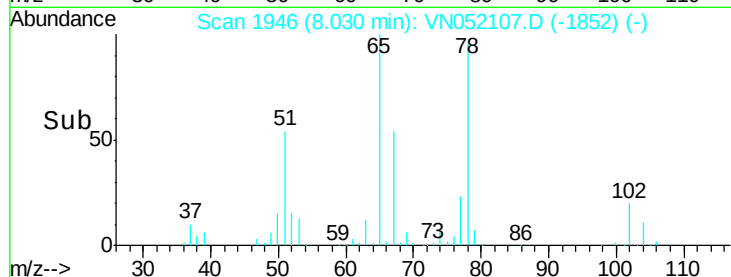
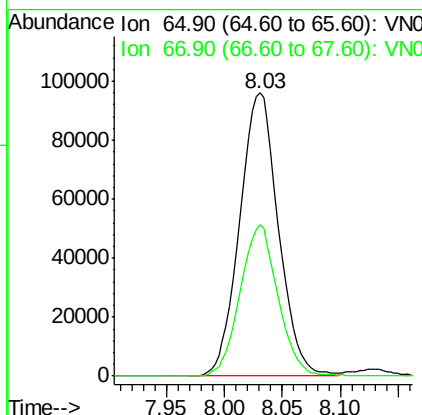
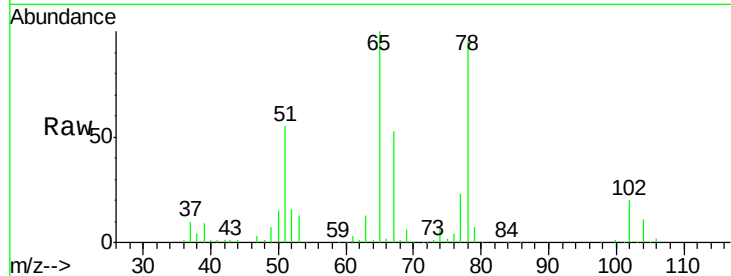
#33
 1,2-Dichloroethane-d4
 Concen: 18.643 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion: 65 Resp: 223493
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2

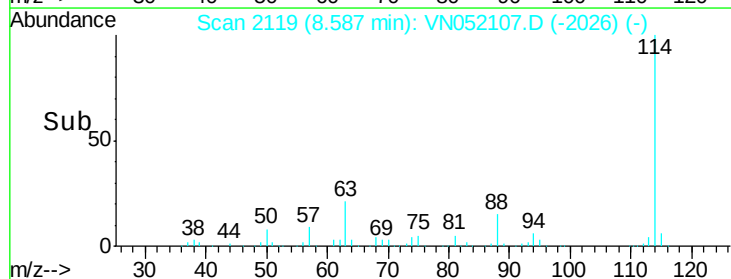
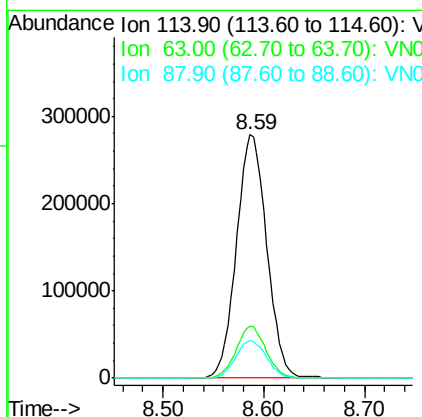
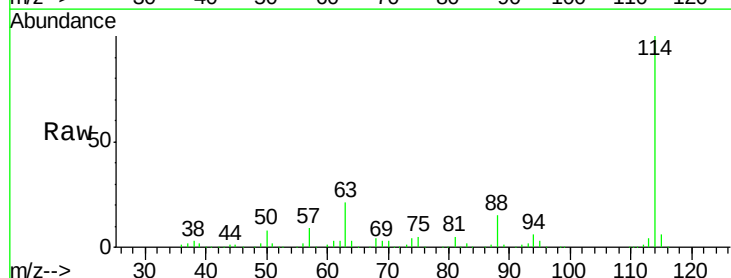
Manual Integrations
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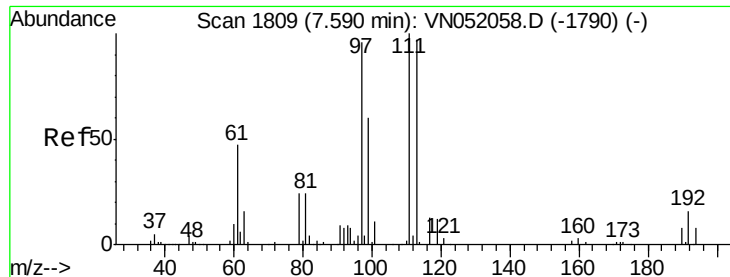
MMDadoda
 11/2/2018 9:21:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion: 114 Resp: 579999
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 46.0
 88 15.3 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.60 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

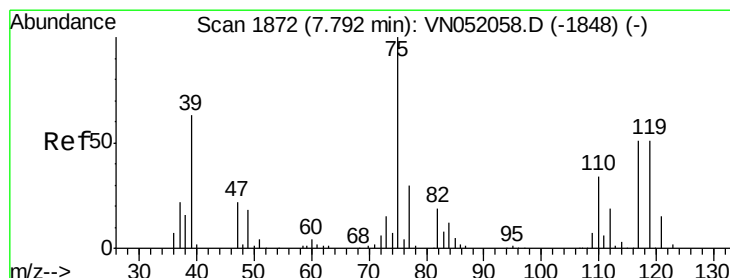
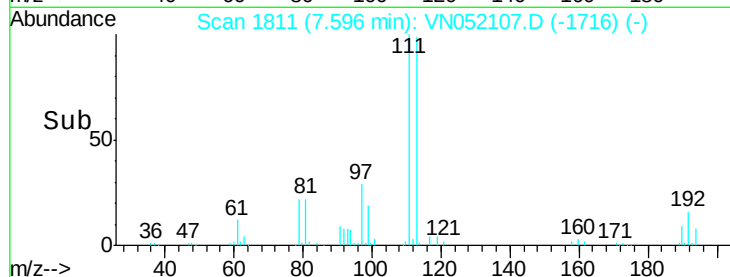
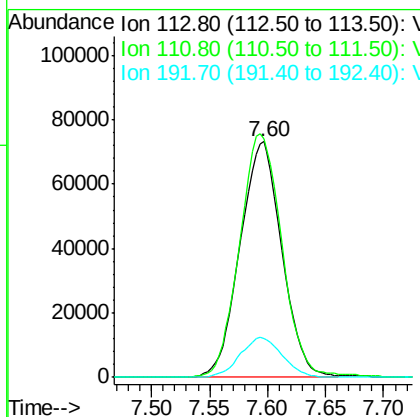
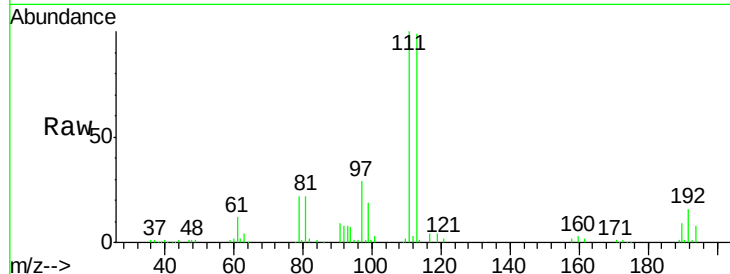
ClientSampleId :

VN1101WBSD02

Tgt Ion:	113	Resp:	183328
Ion Ratio	Lower	Upper	
113	100		
111	105.2	83.1	124.7
192	17.0	12.7	19.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.973 ug/l

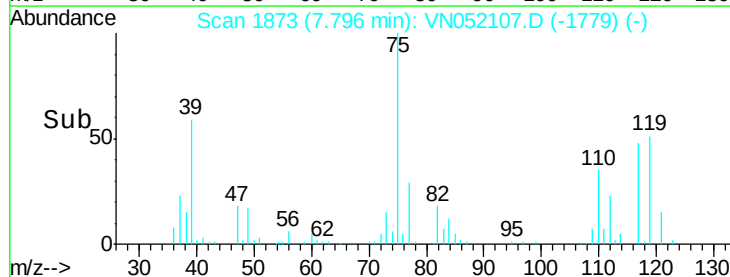
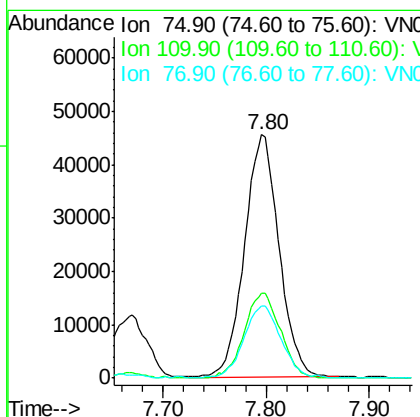
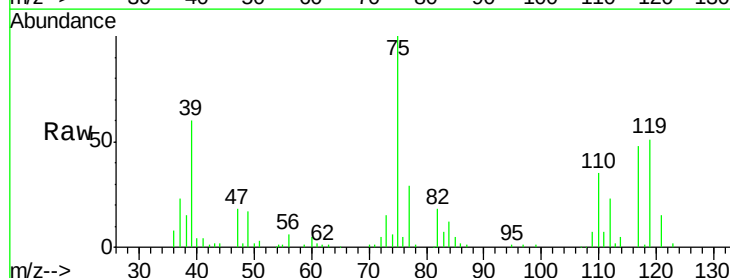
RT: 7.80 min Scan# 1873

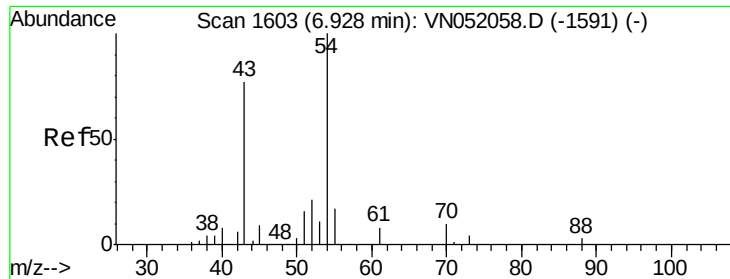
Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Tgt Ion:	75	Resp:	105996
Ion Ratio	Lower	Upper	
75	100		
110	36.7	16.0	48.0
77	31.9	24.5	36.7





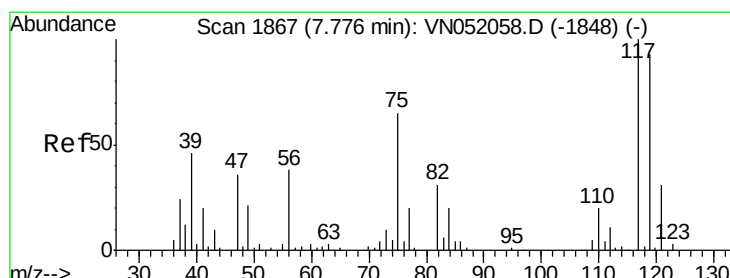
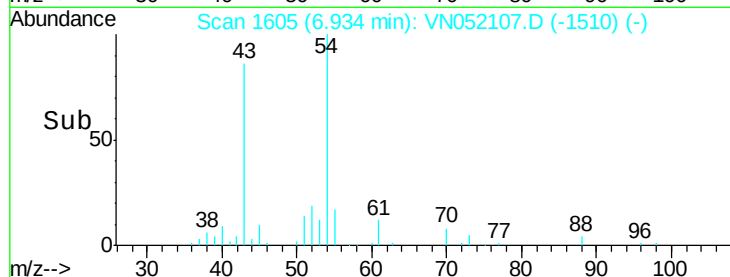
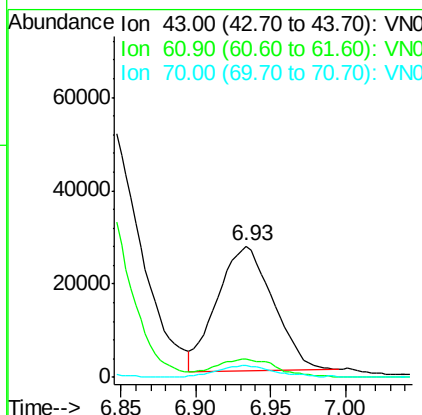
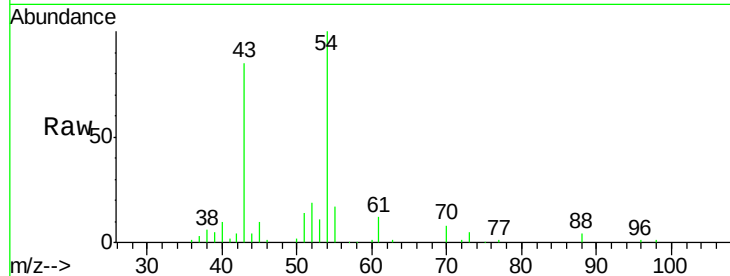
#37
Ethyl Acetate
Concen: 17.761 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion: 43 Resp: 70110
Ion Ratio Lower Upper
43 100
61 16.3 10.9 16.3
70 9.9 8.6 12.8

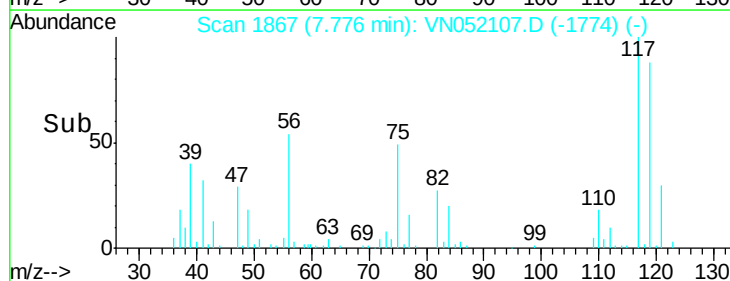
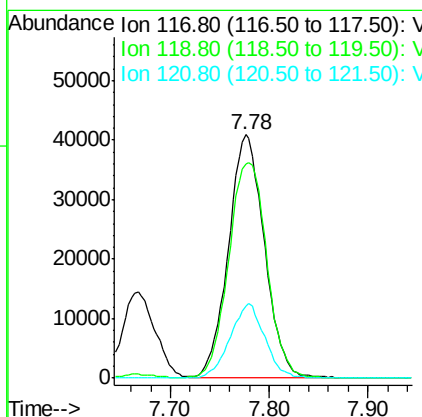
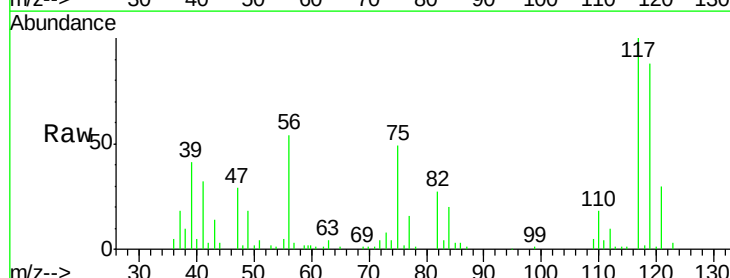
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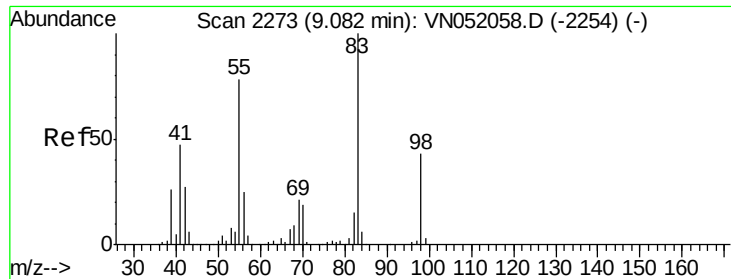
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#38
Carbon Tetrachloride
Concen: 20.506 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion: 117 Resp: 104272
Ion Ratio Lower Upper
117 100
119 88.1 74.8 112.2
121 29.7 25.1 37.7





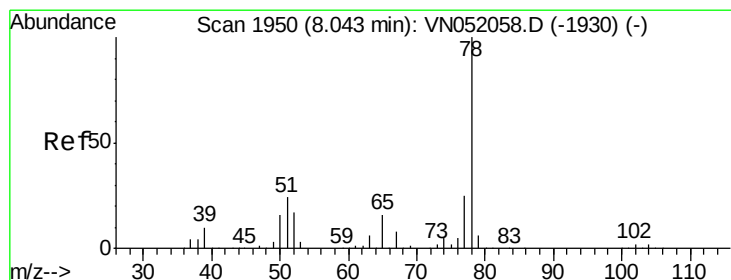
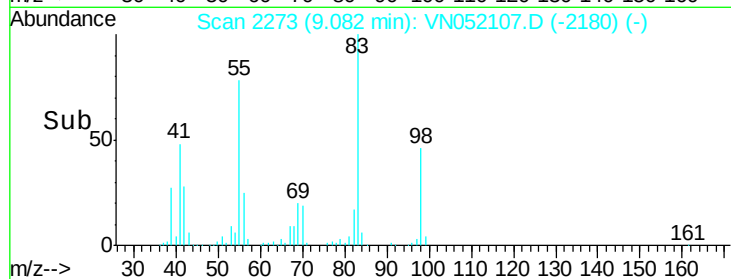
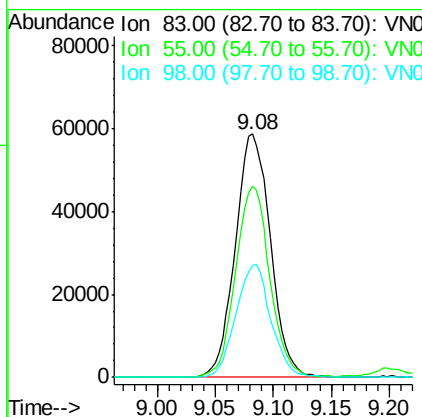
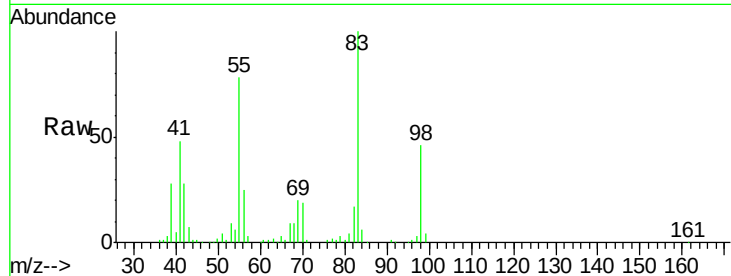
#39
Methylcyclohexane
Concen: 17.742 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.0	93.0
98	46.2	34.7	52.1

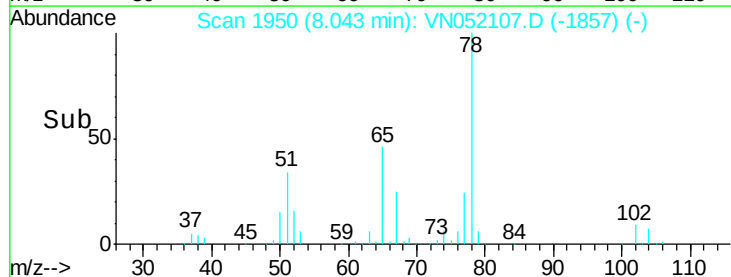
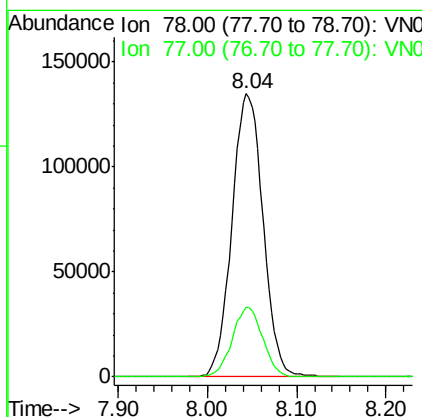
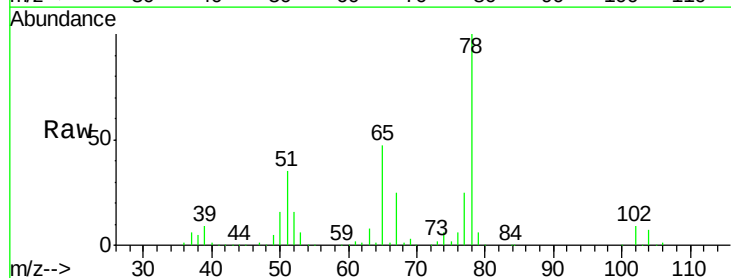
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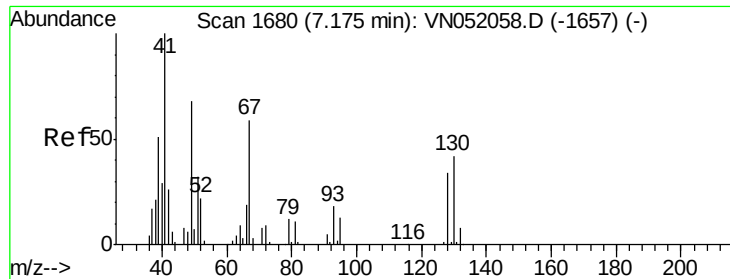
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#40
Benzene
Concen: 19.105 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.8	29.6





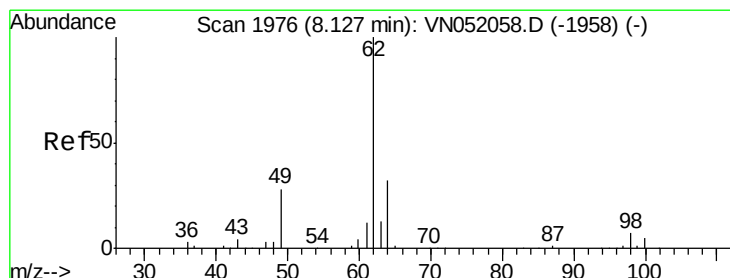
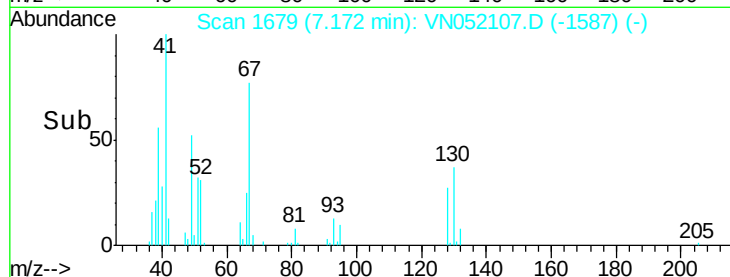
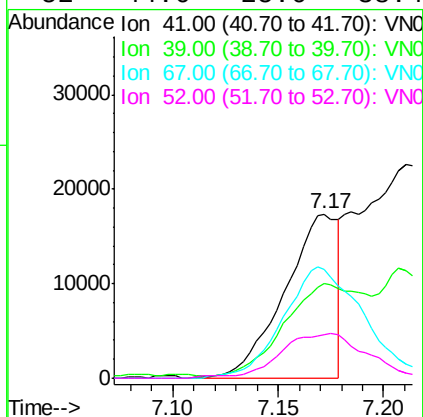
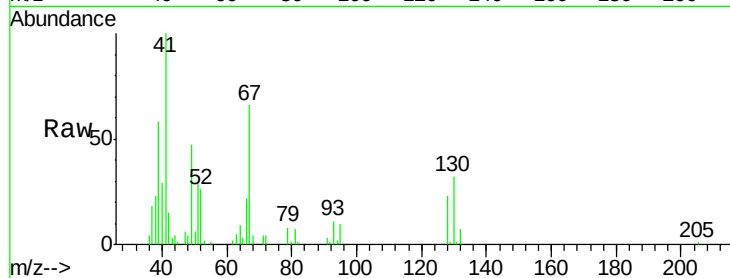
#41
Methacrylonitrile
Concen: 15.149 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	83.6	33.2	49.8#
67	103.3	63.5	95.3#
52	44.6	25.6	38.4#

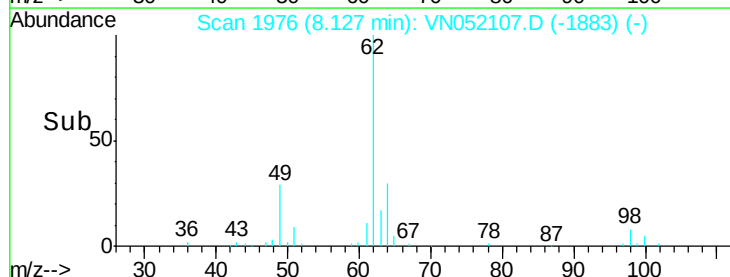
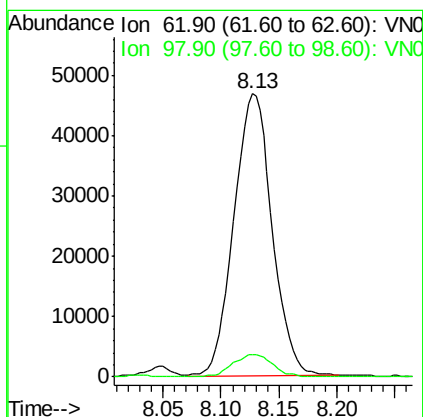
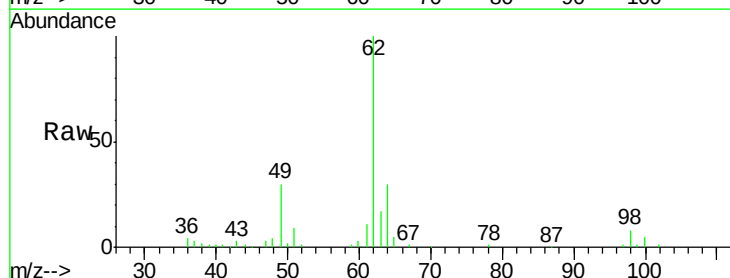
Manual Integrations
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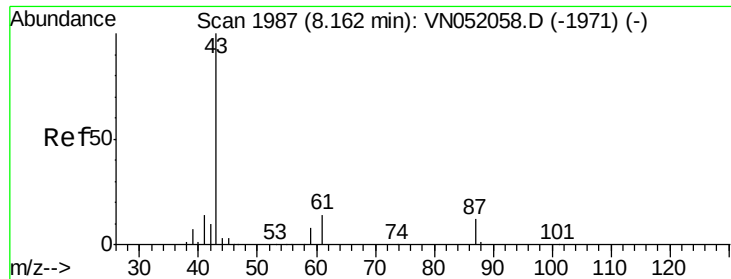
MMDadoda
11/2/2018 9:21:41 AM



#42
1,2-Dichloroethane
Concen: 16.959 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	15.2





#43

Isopropyl Acetate

Concen: 19.097 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

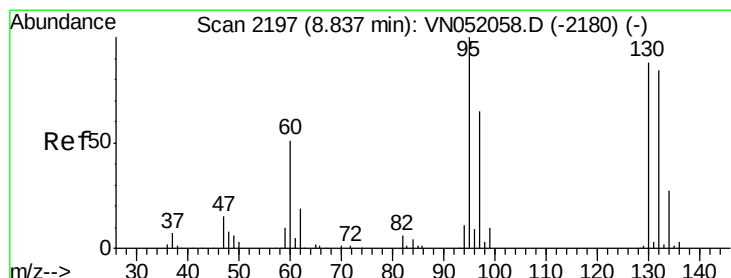
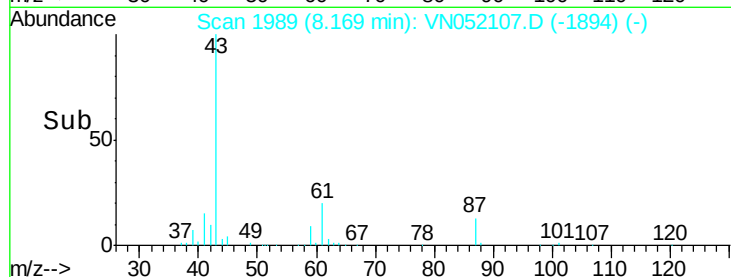
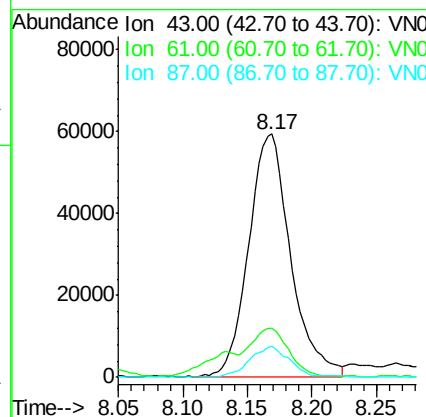
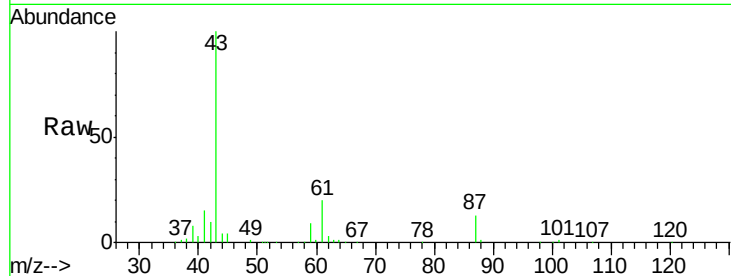
ClientSampleId :

VN1101WBSD02

Tgt Ion:	43	Resp:	134075
Ion Ratio	Lower	Upper	
43	100		
61	18.2	15.4	23.0
87	12.5	9.8	14.8

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#44

Trichloroethene

Concen: 21.414 ug/l

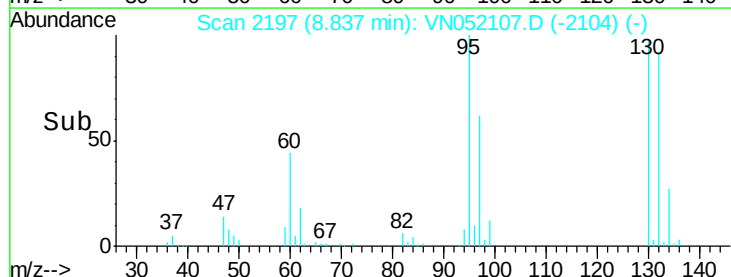
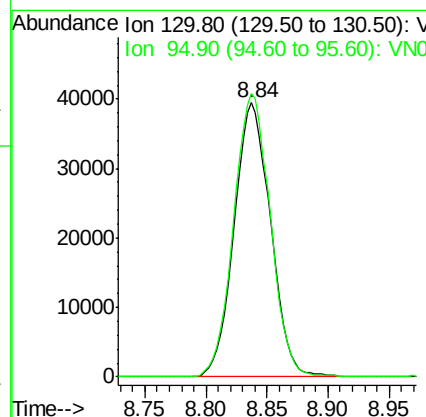
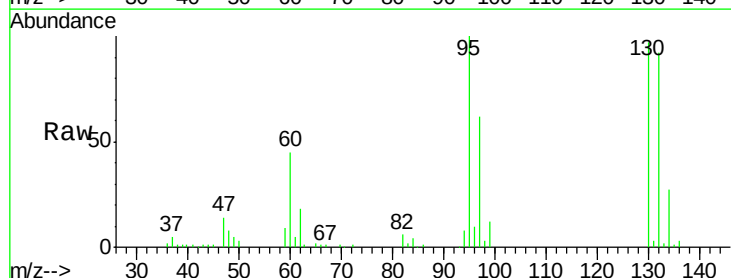
RT: 8.84 min Scan# 2197

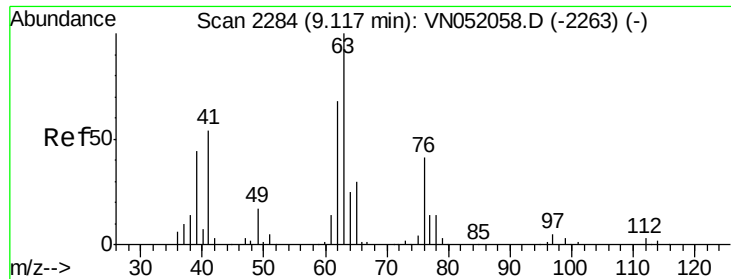
Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Tgt Ion:	130	Resp:	81693
Ion Ratio	Lower	Upper	
130	100		
95	103.3	0.0	228.4





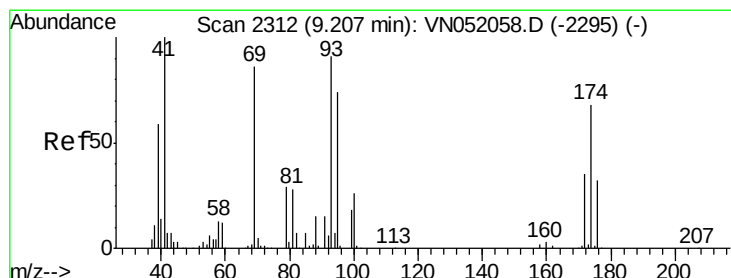
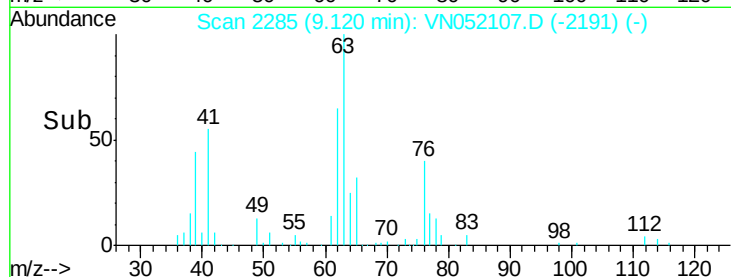
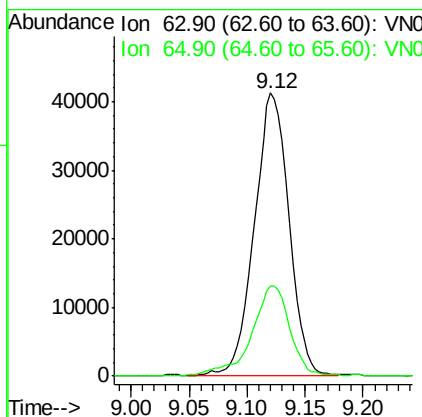
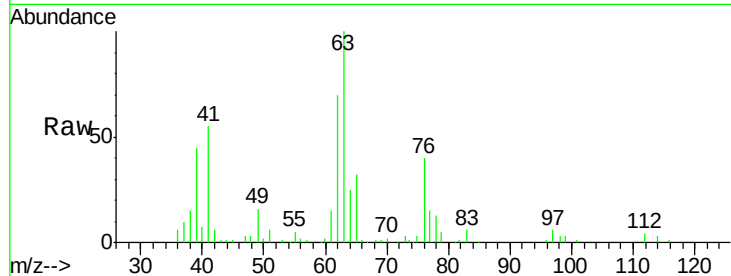
#45
 1,2-Dichloropropane
 Concen: 17.702 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion: 63 Resp: 86022
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.5 36.7

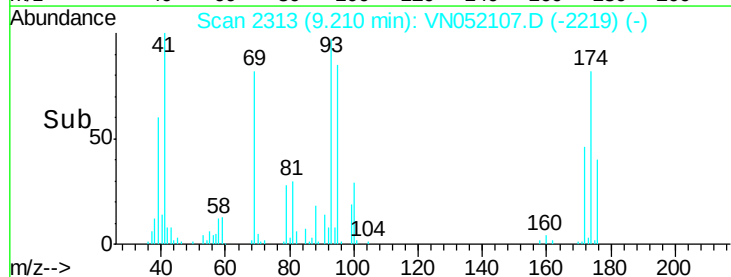
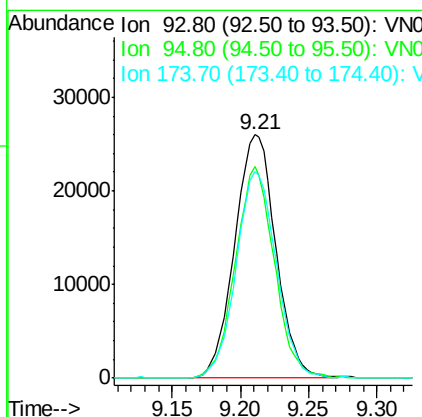
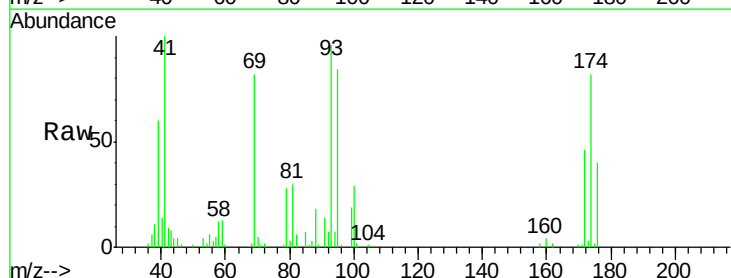
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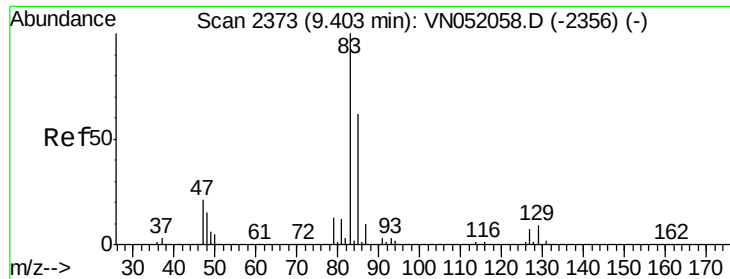
MMDadoda
 11/2/2018 9:21:41 AM



#46
 Dibromomethane
 Concen: 20.030 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion: 93 Resp: 54398
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.2 100.8
 174 83.1 59.7 89.5





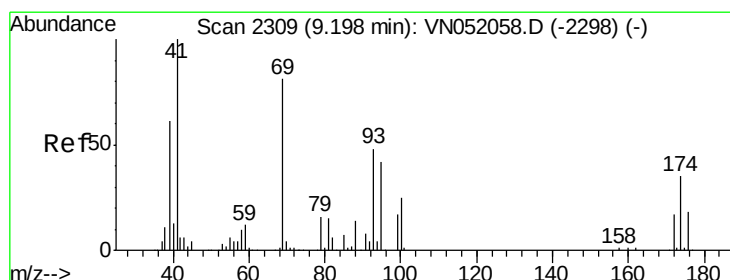
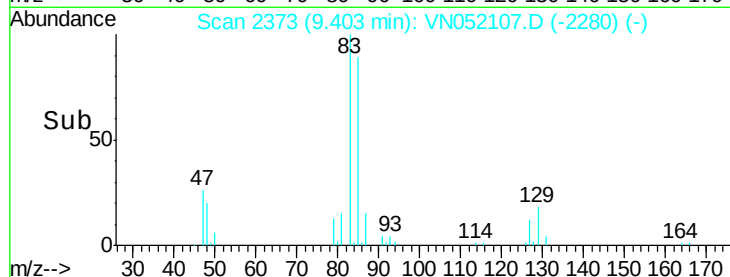
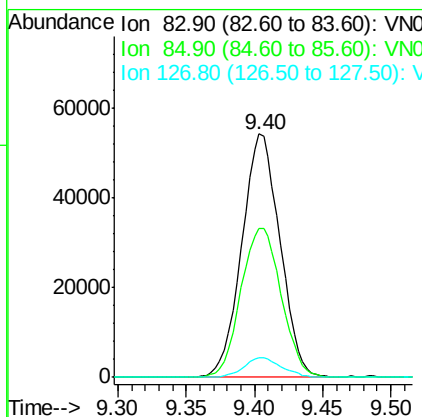
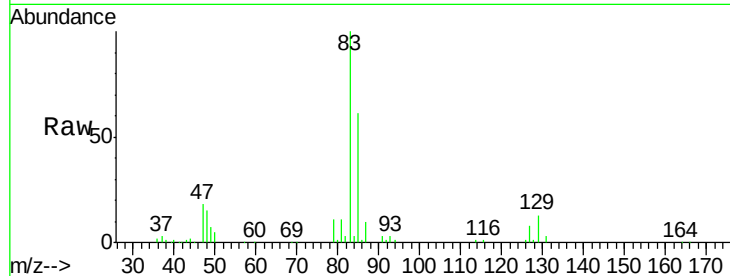
#47
Bromodichloromethane
Concen: 18.593 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	49.4	74.2
127	8.2	5.8	8.8

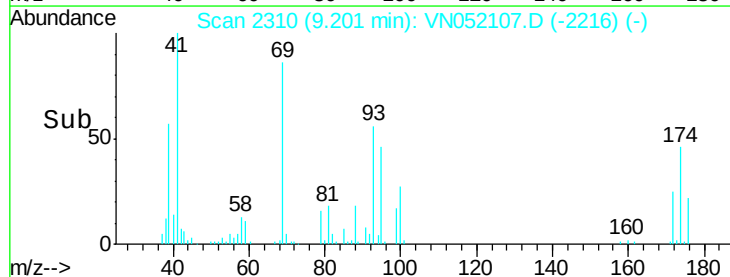
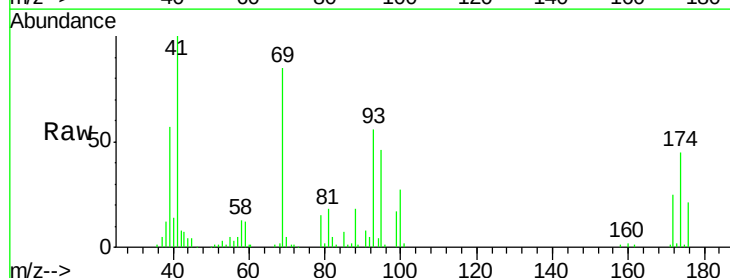
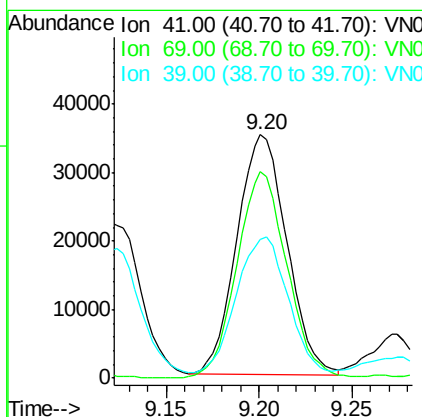
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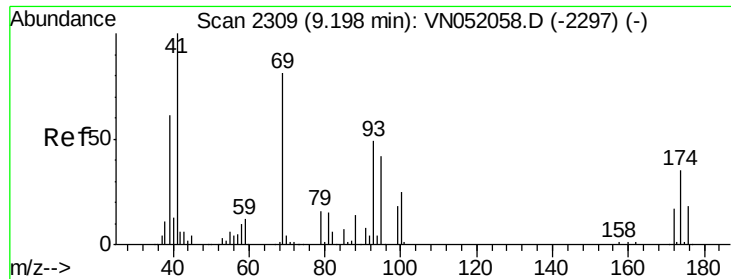
MMDadoda
11/2/2018 9:21:41 AM



#48
Methyl methacrylate
Concen: 18.439 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.2	67.1	100.7
39	58.2	50.5	75.7





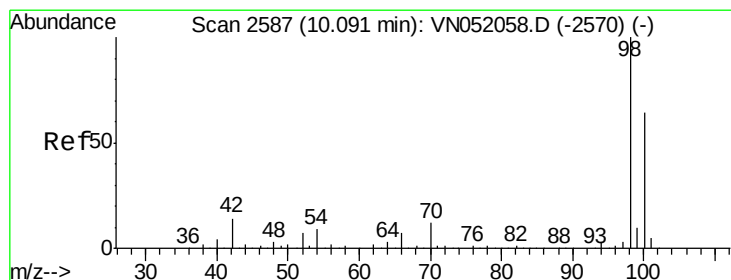
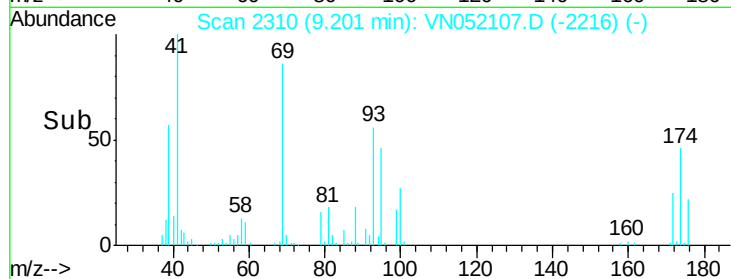
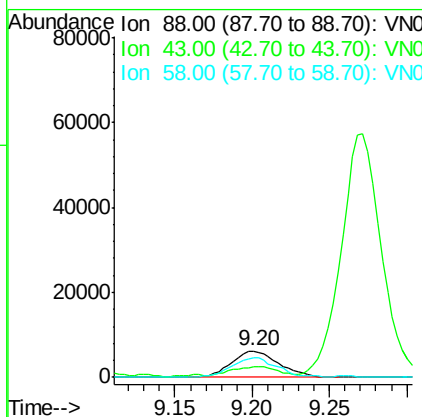
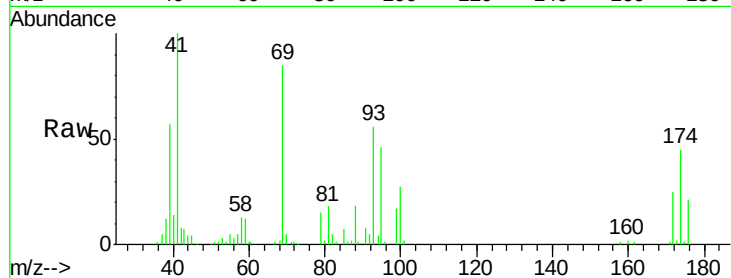
#49
1,4-Dioxane
Concen: 455.025 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.0	34.1	51.1#
58	72.1	62.8	94.2

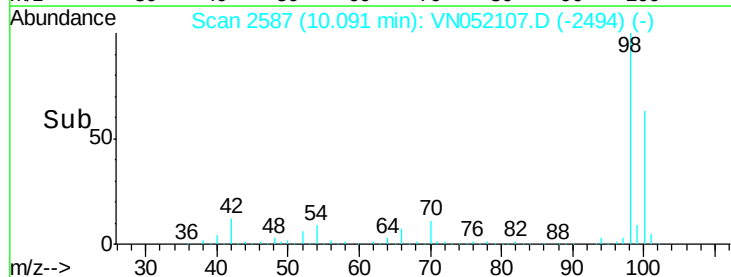
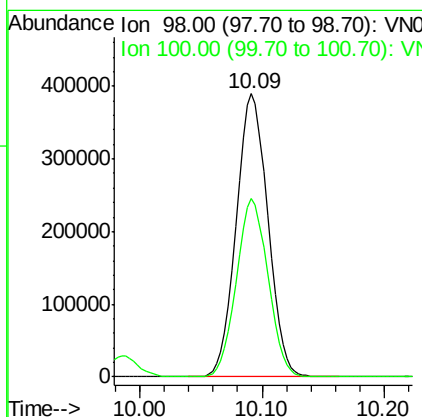
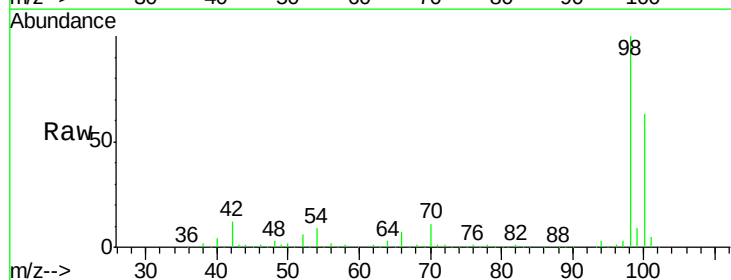
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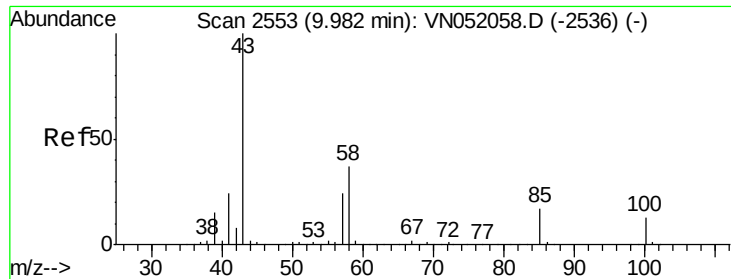
MMDadoda
11/2/2018 9:21:41 AM



#50
Toluene-d8
Concen: 455.025 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.4	77.2





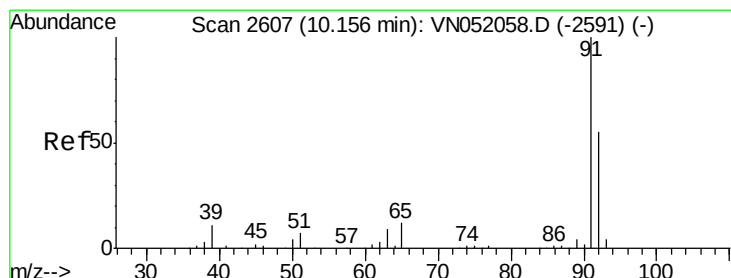
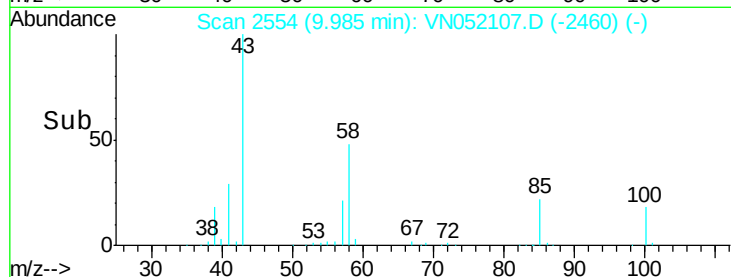
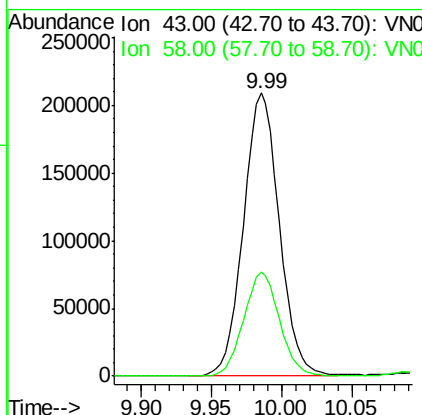
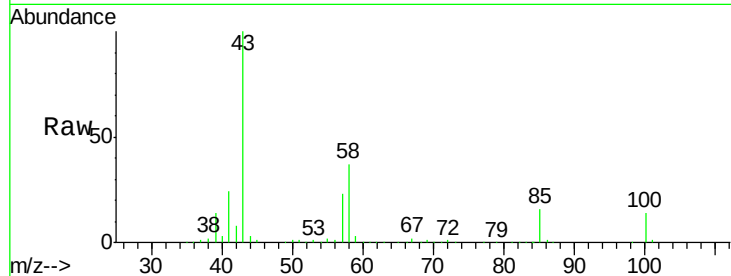
#51
 4-Methyl-2-Pentanone
 Concen: 97.395 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion: 43 Resp: 371659
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.7 44.5

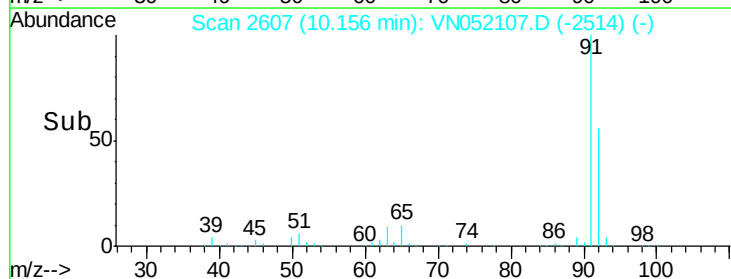
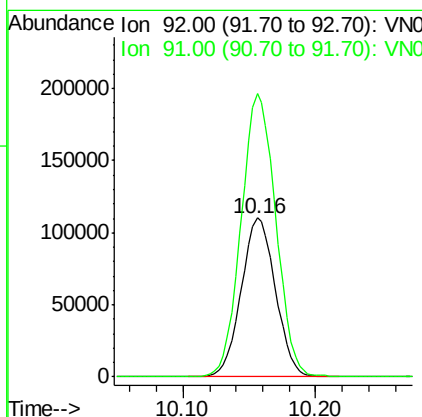
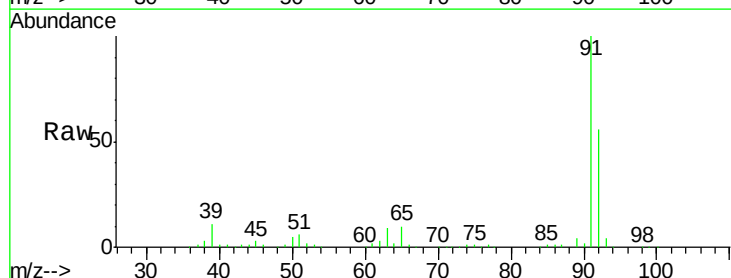
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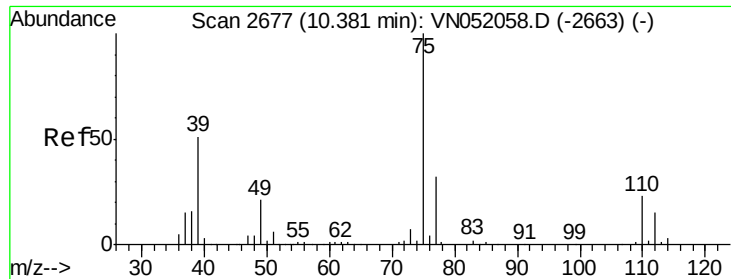
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 11/2/2018 9:21:41 AM



#52
 Toluene
 Concen: 19.194 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion: 92 Resp: 197651
 Ion Ratio Lower Upper
 92 100
 91 180.2 143.9 215.9





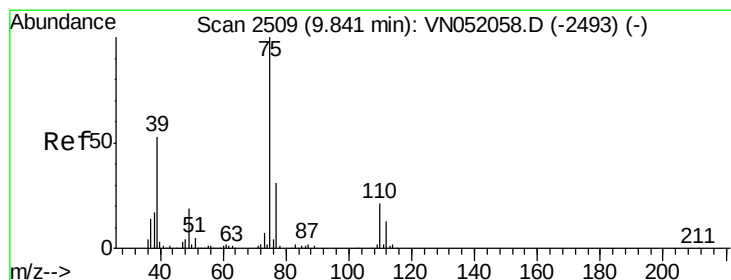
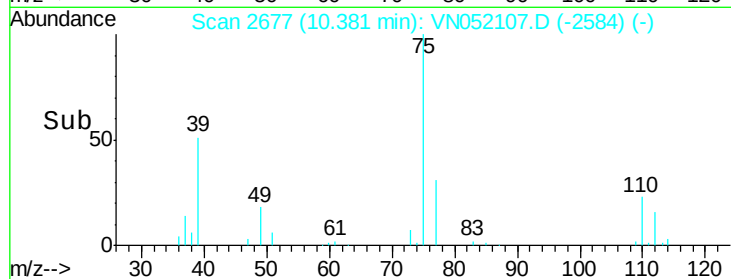
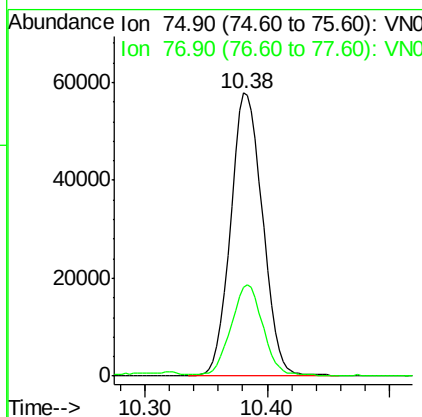
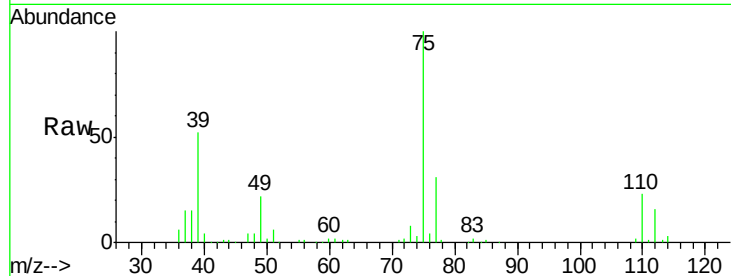
#53
t-1,3-Dichloropropene
Concen: 17.632 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion: 75 Resp: 105590
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4

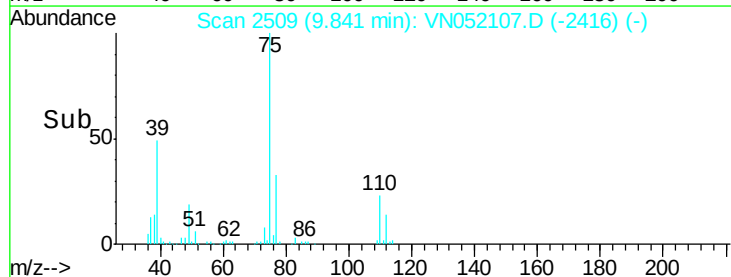
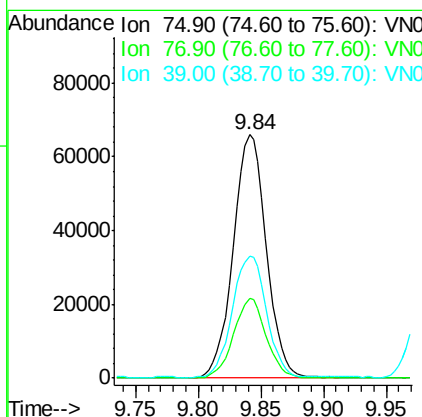
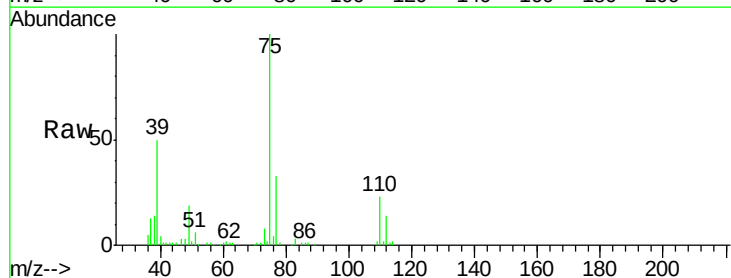
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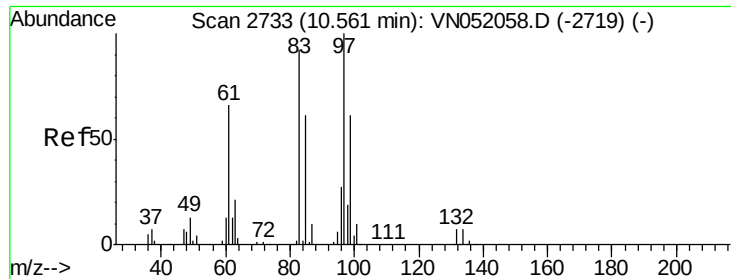
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#54
cis-1,3-Dichloropropene
Concen: 18.239 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion: 75 Resp: 121300
Ion Ratio Lower Upper
75 100
77 32.8 25.0 37.4
39 49.6 42.3 63.5





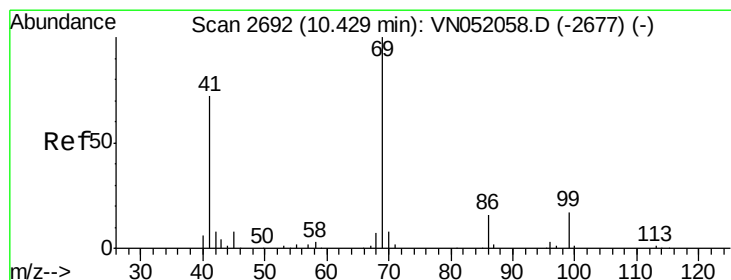
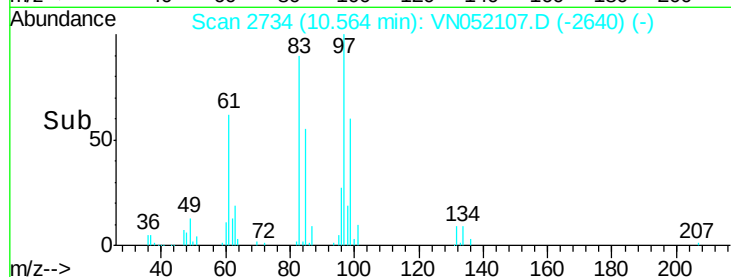
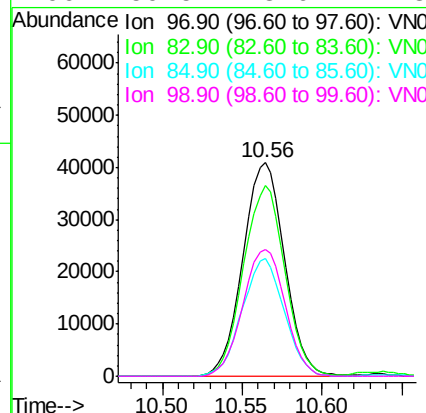
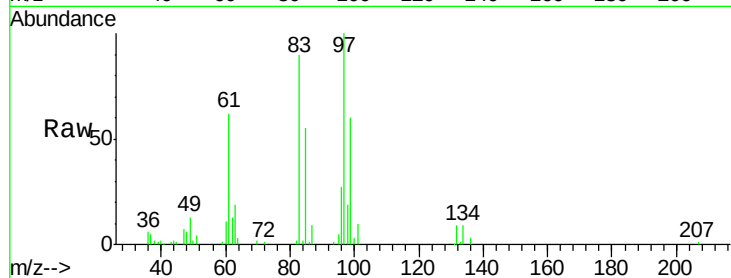
#55
 1,1,2-Trichloroethane
 Concen: 19.855 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion:	97	Resp:	72818
Ion	Ratio	Lower	Upper
97	100		
83	89.5	73.8	110.8
85	55.2	48.4	72.6
99	59.5	48.6	72.8

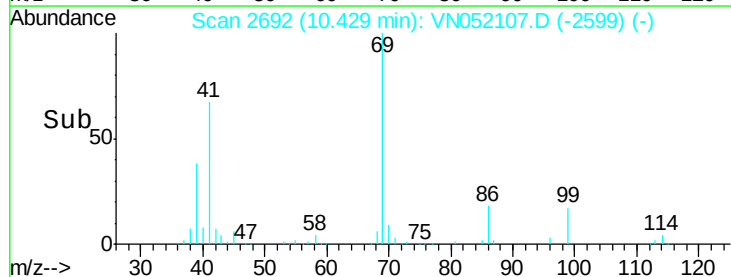
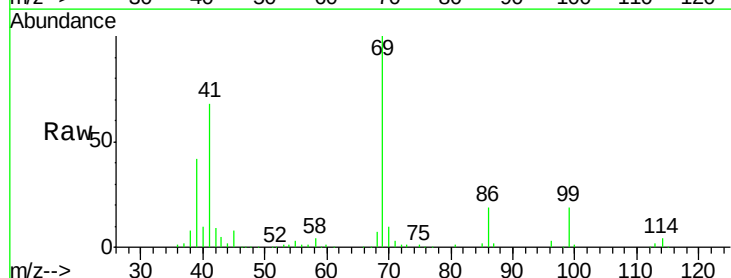
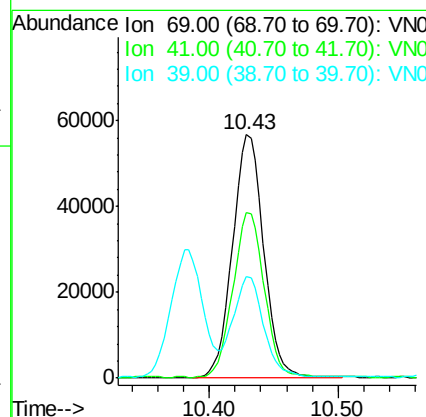
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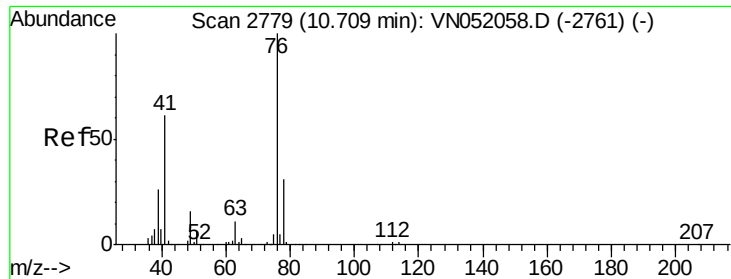
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#56
 Ethyl methacrylate
 Concen: 18.238 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion:	69	Resp:	95682
Ion	Ratio	Lower	Upper
69	100		
41	67.7	55.5	83.3
39	40.2	33.0	49.4





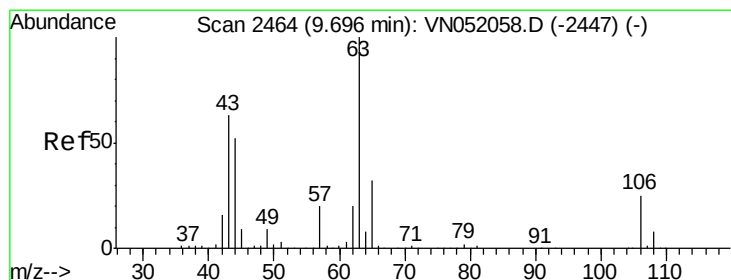
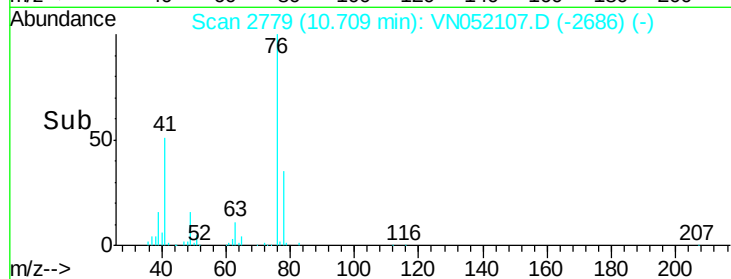
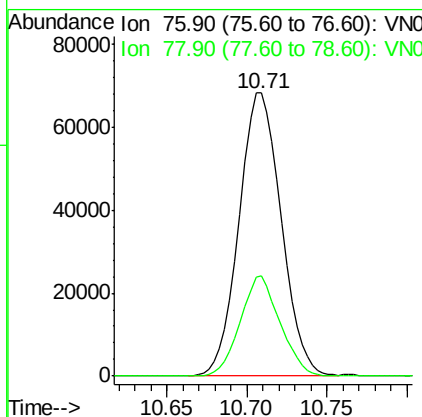
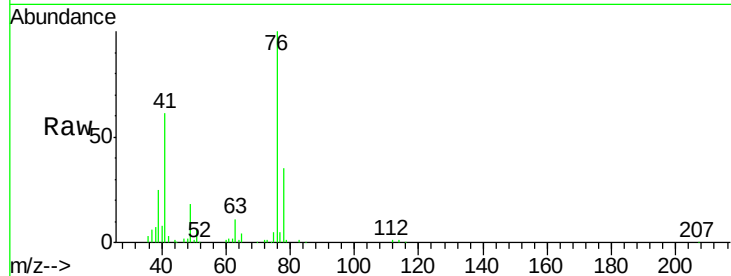
#57
 1,3-Dichloropropane
 Concen: 18.246 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.4	38.0

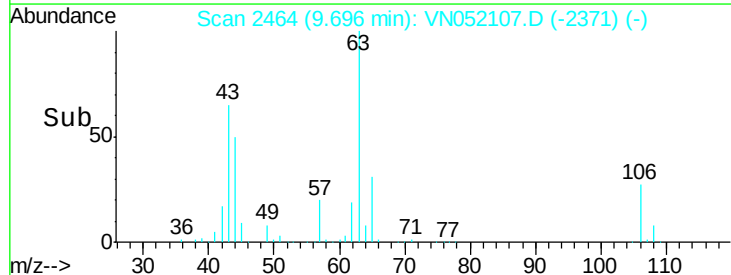
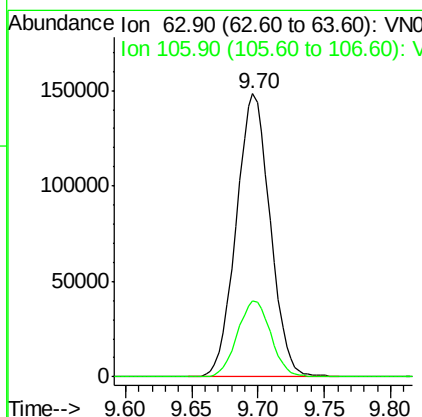
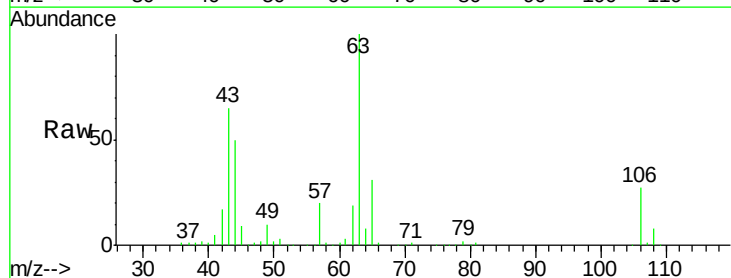
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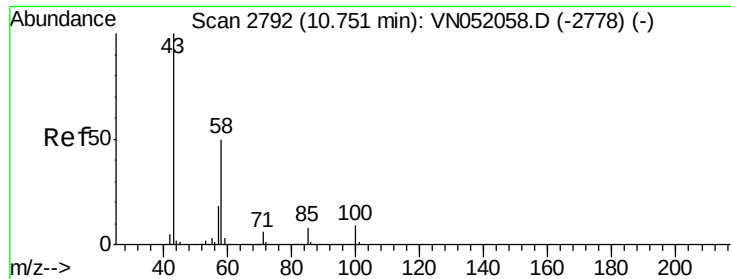
MMDadoda
 11/2/2018 9:21:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.300 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	19.4	29.2





#59

2-Hexanone

Concen: 93.192 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion: 43 Resp: 253424

Ion Ratio Lower Upper

43 100

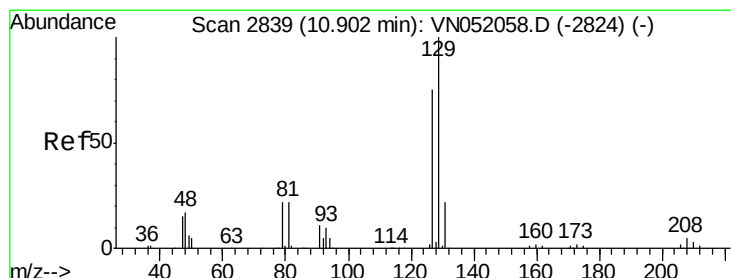
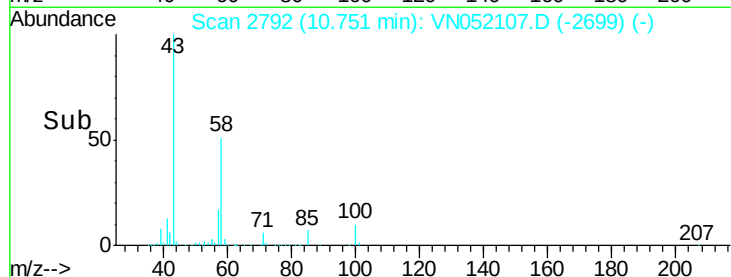
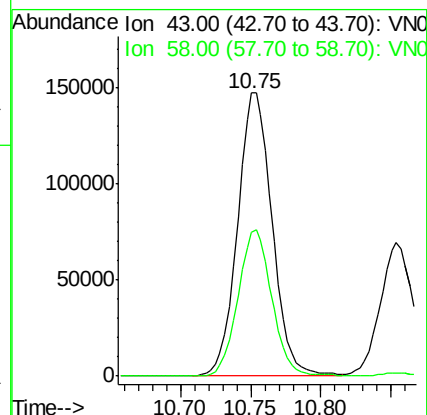
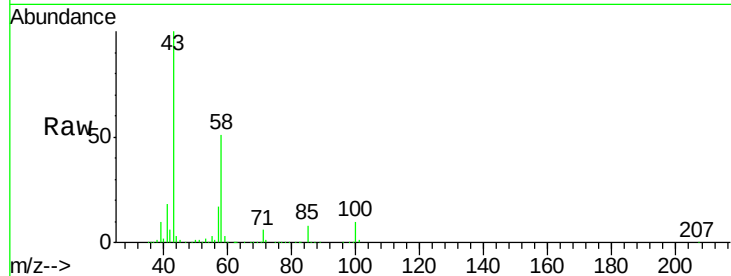
58 50.6 25.2 75.6

Manual Integrations

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11/2/2018 9:21:41 AM



#60

Dibromochloromethane

Concen: 19.989 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052107.D

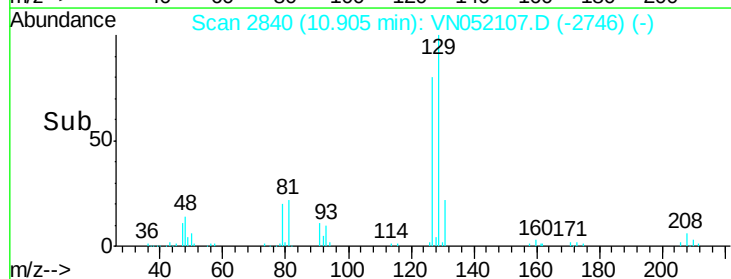
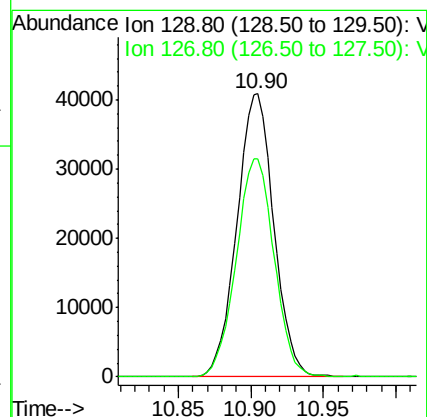
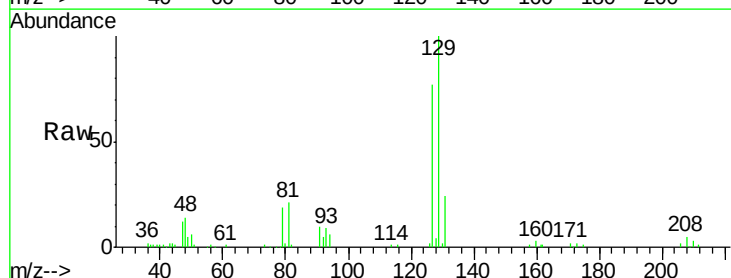
Acq: 1 Nov 2018 17:09

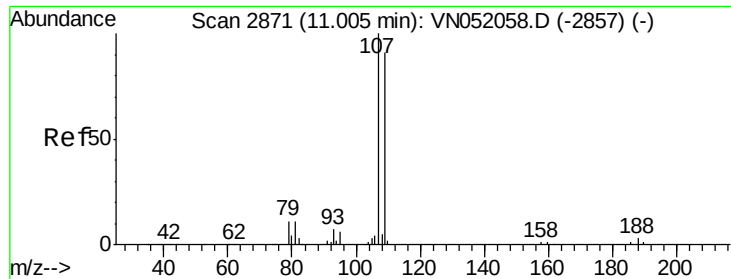
Tgt Ion: 129 Resp: 72172

Ion Ratio Lower Upper

129 100

127 79.3 38.5 115.5





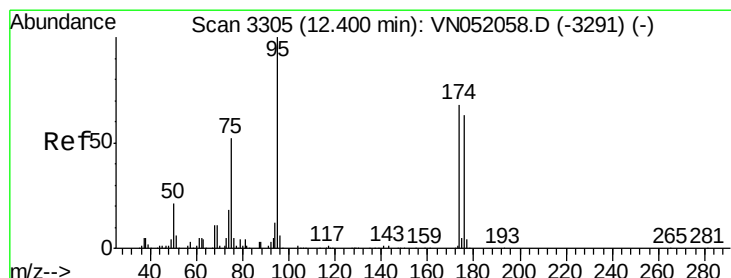
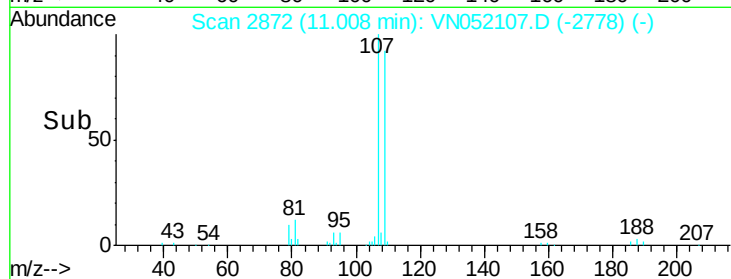
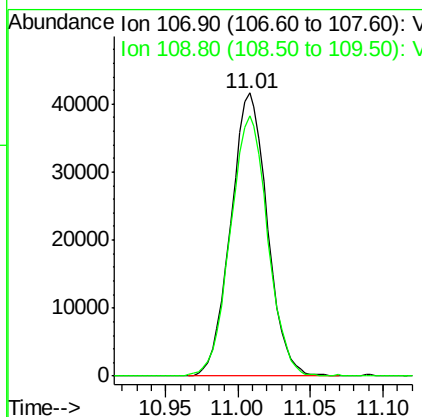
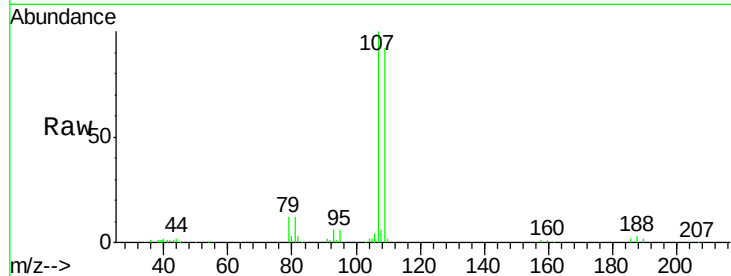
#61
 1,2-Dibromoethane
 Concen: 20.002 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion: 107 Resp: 72928
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.1 112.7

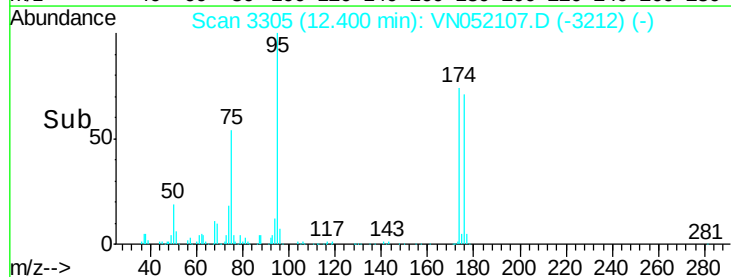
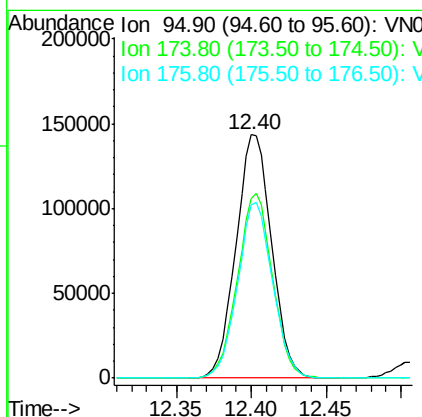
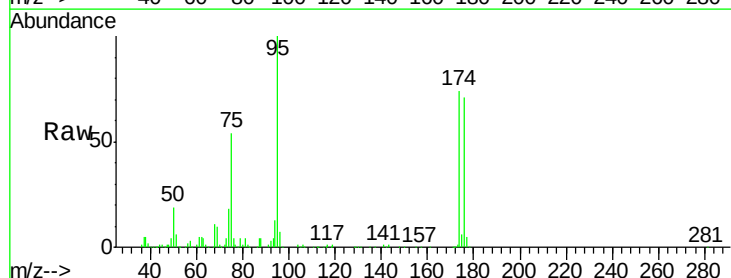
Manual Integrations
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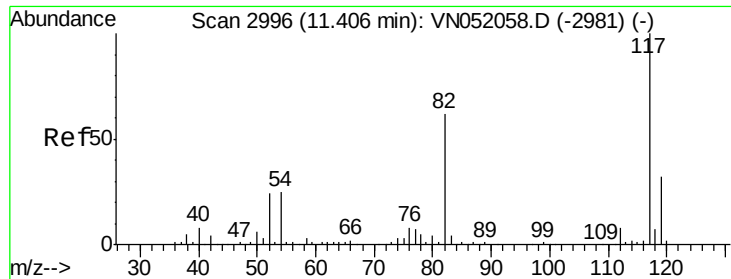
MMDadoda
 11/2/2018 9:21:41 AM



#62
 4-Bromofluorobenzene
 Concen: 20.002 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion: 95 Resp: 238312
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 131.8
 176 70.8 0.0 126.0





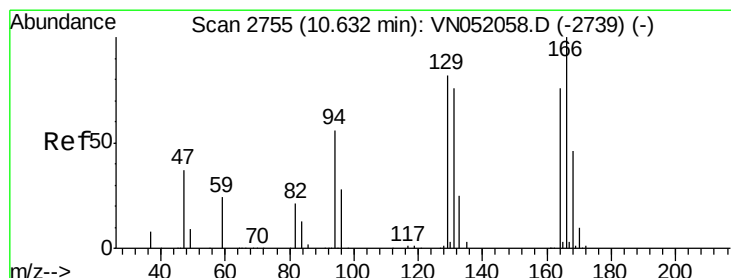
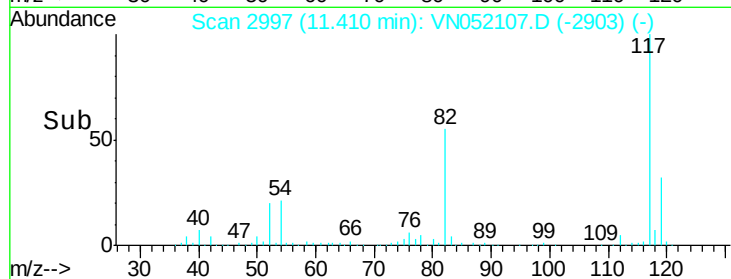
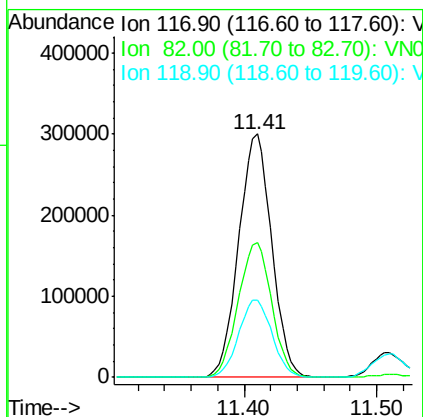
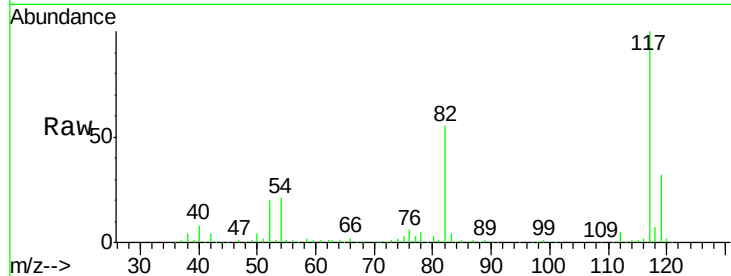
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	519251		
82	55.1	49.9	74.9	
119	31.6	25.7	38.5	

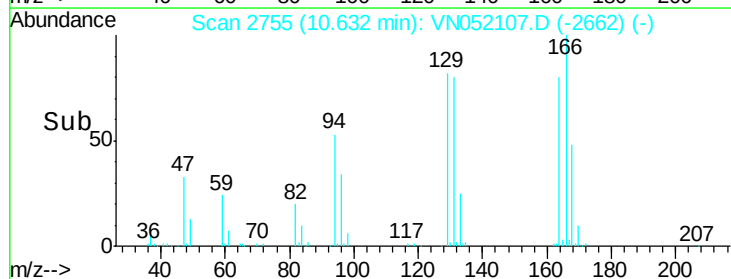
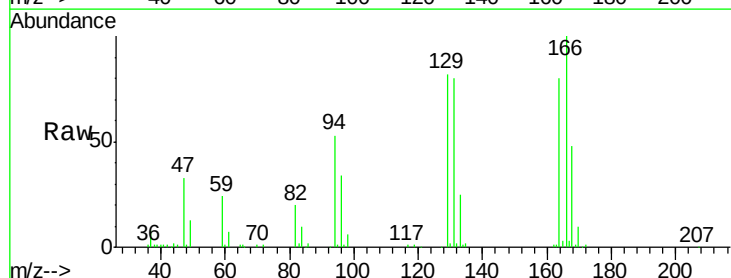
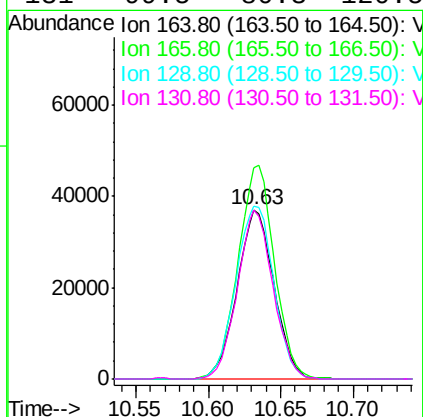
Manual Integrations
APPROVED

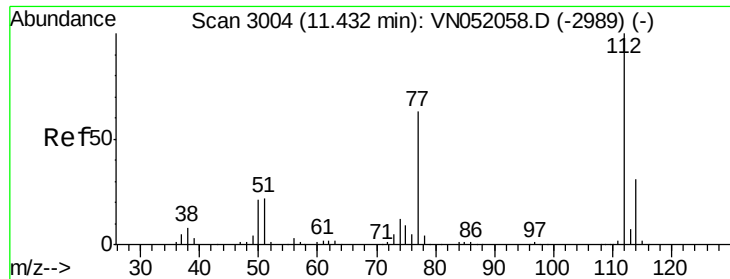
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#64
Tetrachloroethene
Concen: 20.912 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65784		
166	124.5	105.4	158.0	
129	101.7	86.1	129.1	
131	99.5	80.3	120.5	





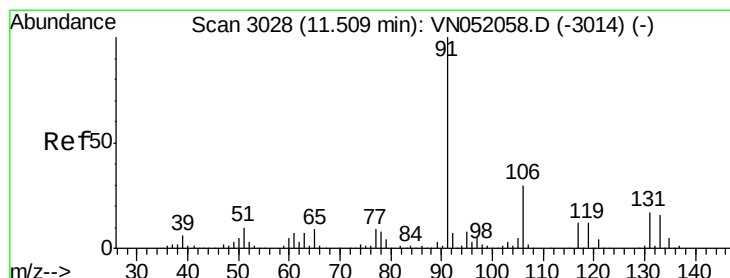
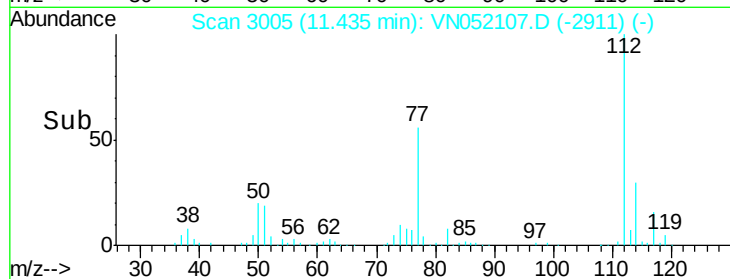
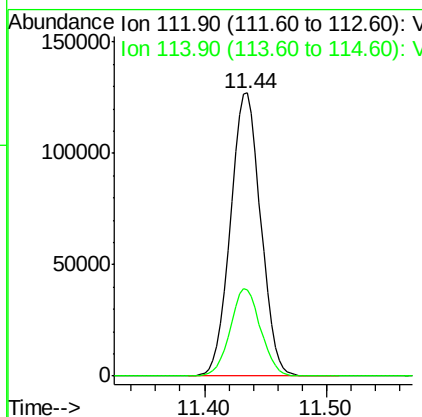
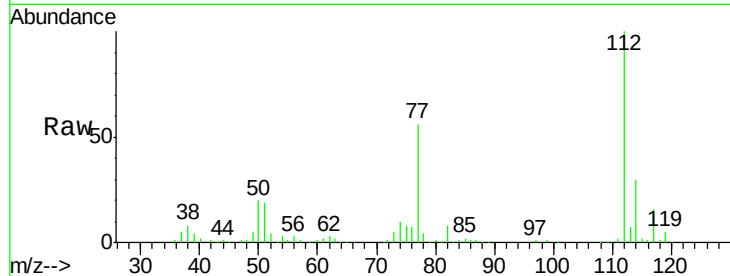
#65
Chlorobenzene
Concen: 20.076 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion:112 Resp: 219564
Ion Ratio Lower Upper
112 100
114 30.4 25.1 37.7

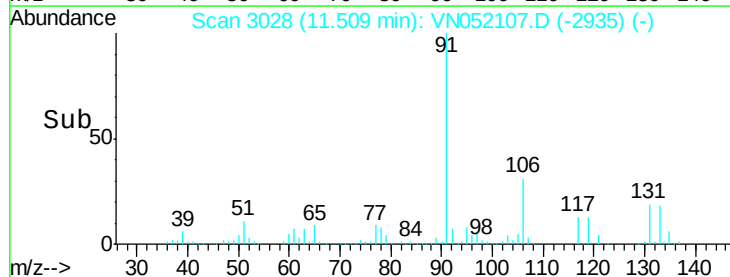
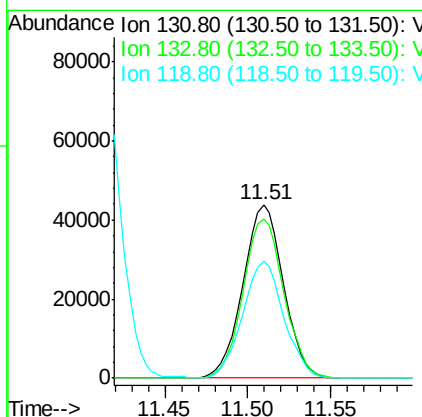
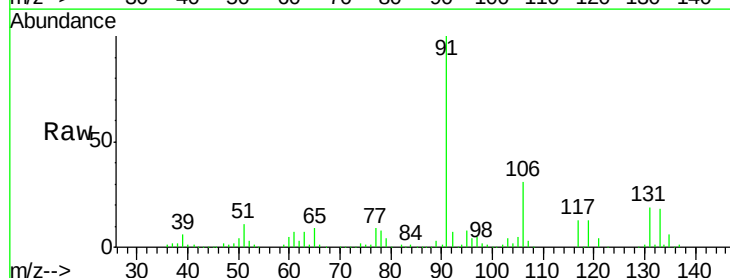
Manual Integrations
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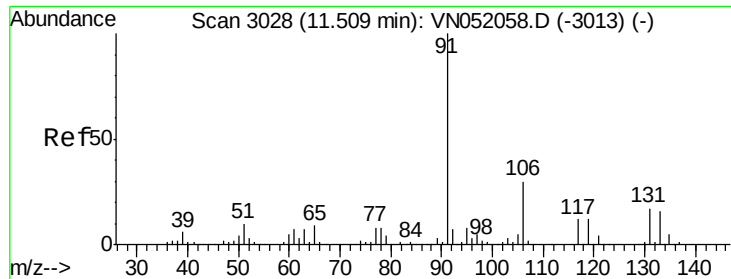
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.615 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion:131 Resp: 74226
Ion Ratio Lower Upper
131 100
133 92.9 47.6 142.9
119 68.4 34.4 103.2





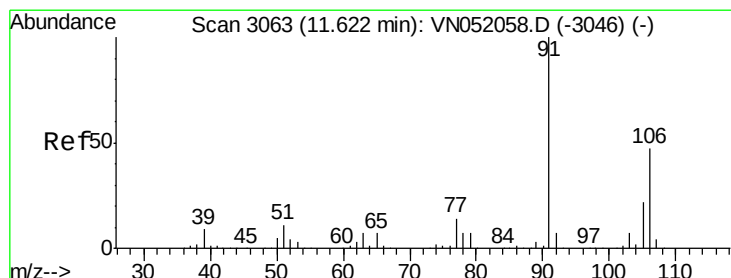
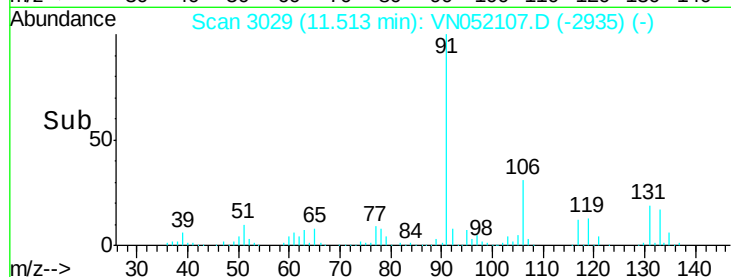
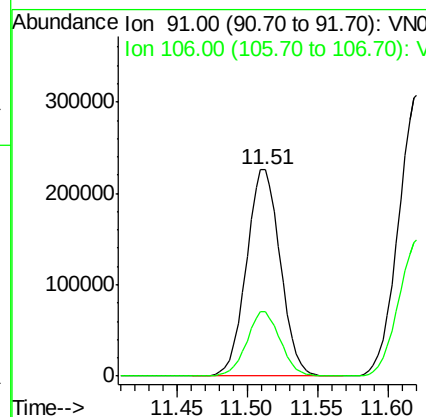
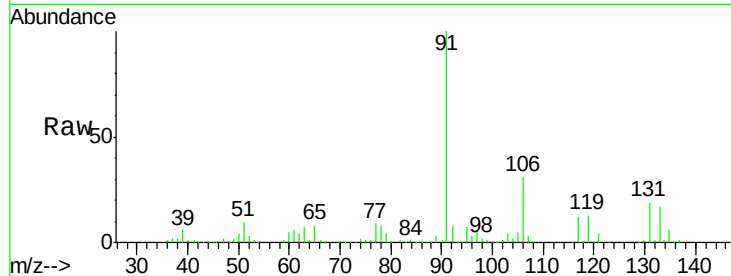
#67
Ethyl Benzene
Concen: 19.513 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion: 91 Resp: 380571
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1

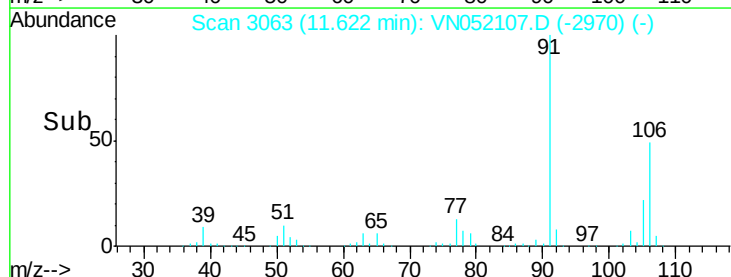
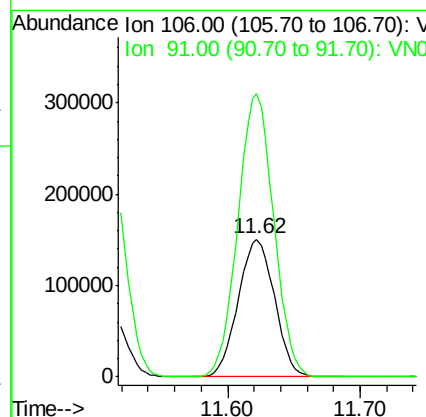
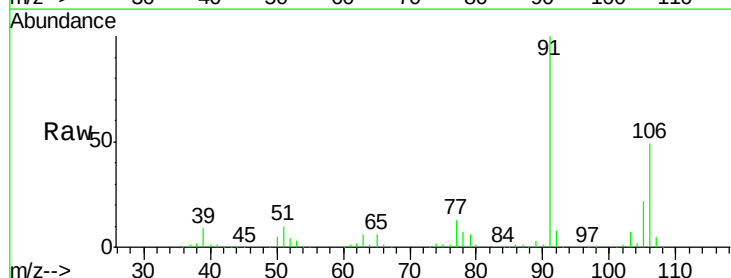
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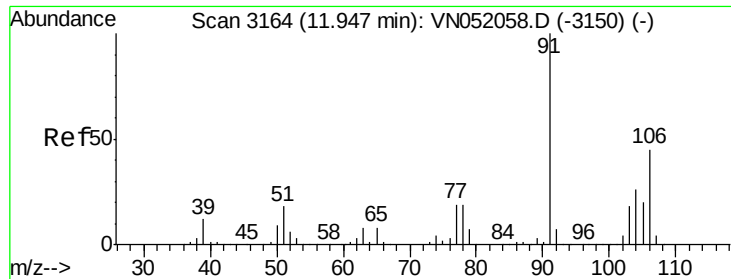
MMDadoda
11/2/2018 9:21:41 AM



#68
m/p-Xylenes
Concen: 41.084 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion: 106 Resp: 286802
Ion Ratio Lower Upper
106 100
91 202.6 168.7 253.1





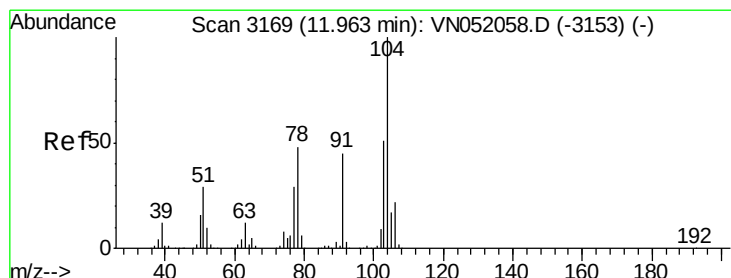
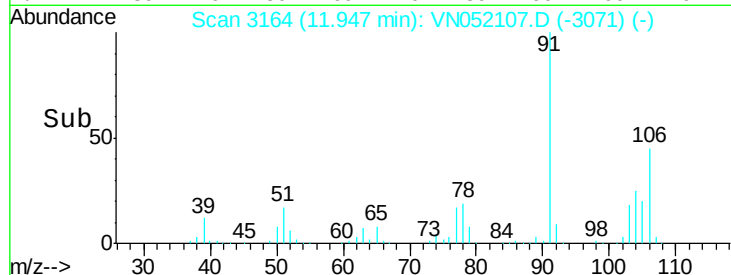
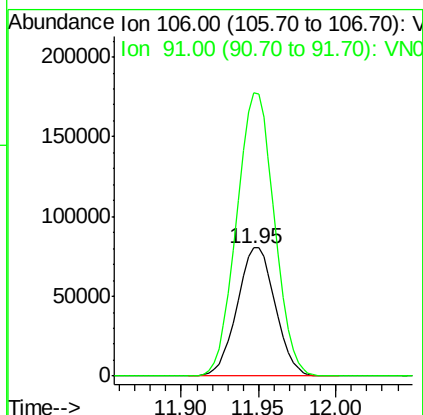
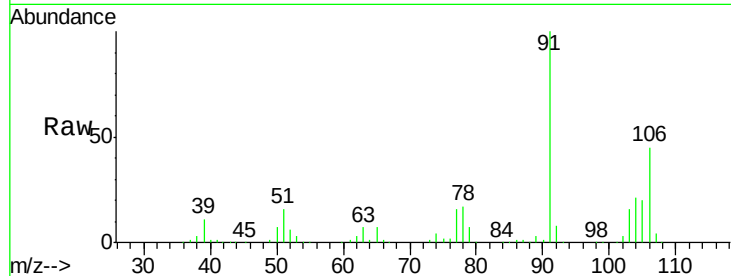
#69
o-Xylene
Concen: 19.930 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion:106 Resp: 137667
Ion Ratio Lower Upper
106 100
91 219.0 109.6 328.6

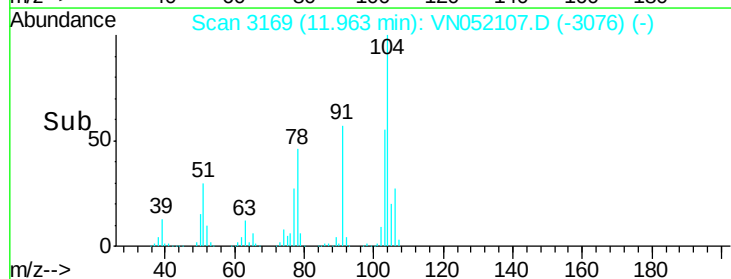
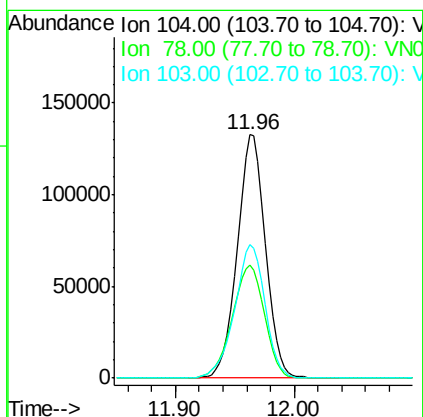
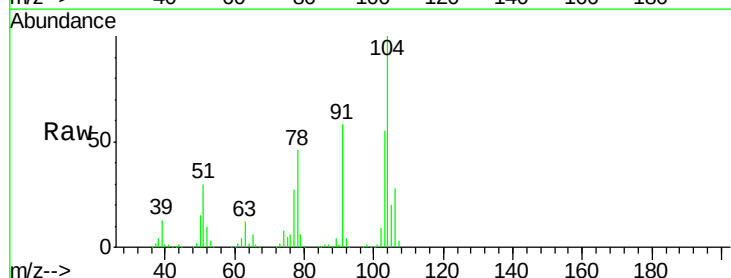
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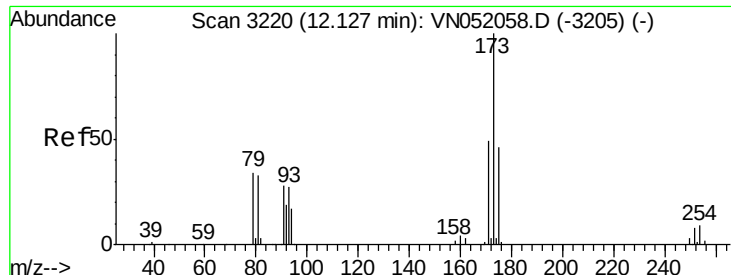
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#70
Styrene
Concen: 19.462 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion:104 Resp: 217526
Ion Ratio Lower Upper
104 100
78 53.1 43.0 64.6
103 59.2 45.1 67.7





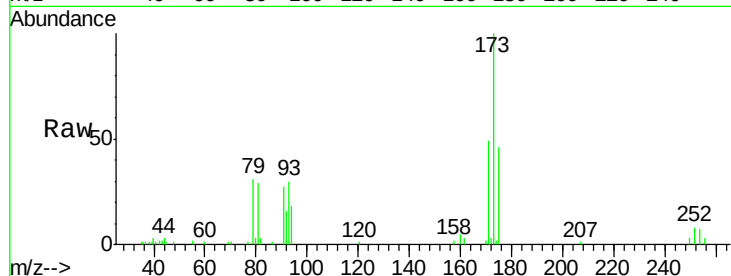
#71
Bromoform
Concen: 20.316 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

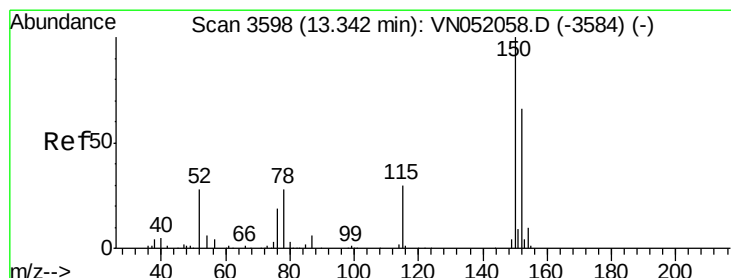
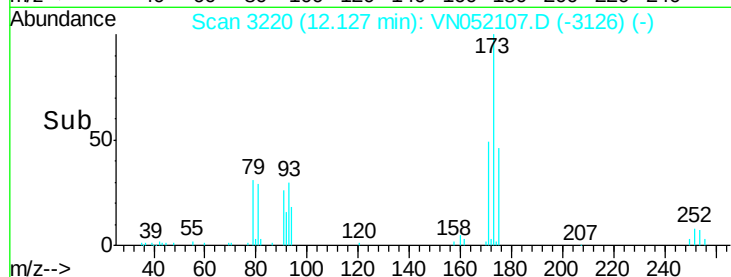
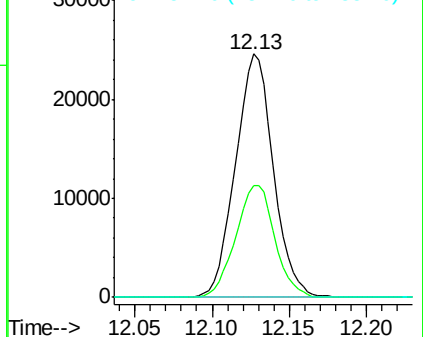
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.9	71.7
254	0.0	0.0	0.0

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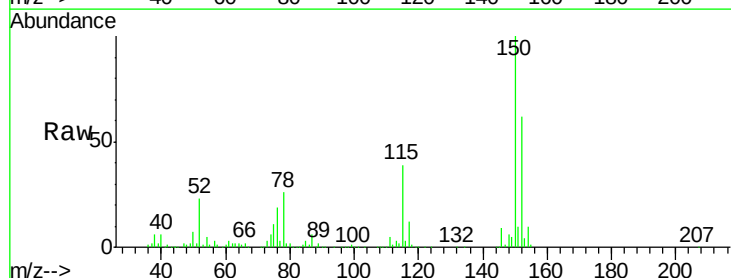


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

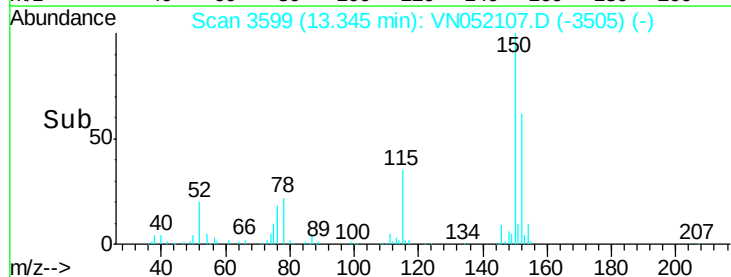
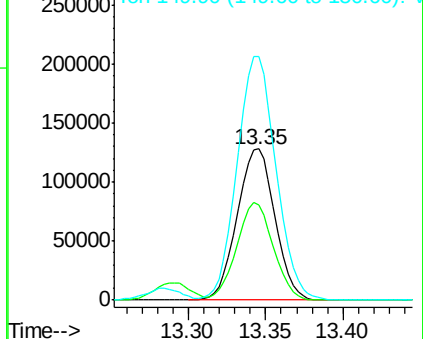


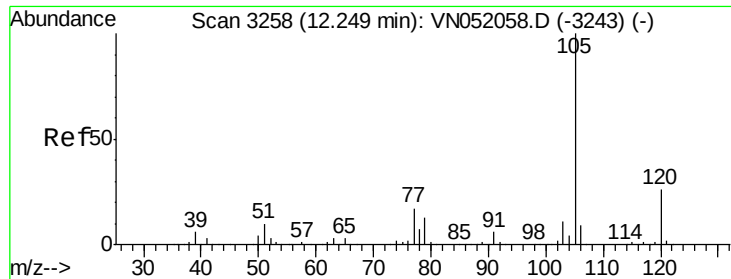
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.6	95.0
150	166.1	0.0	345.0



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





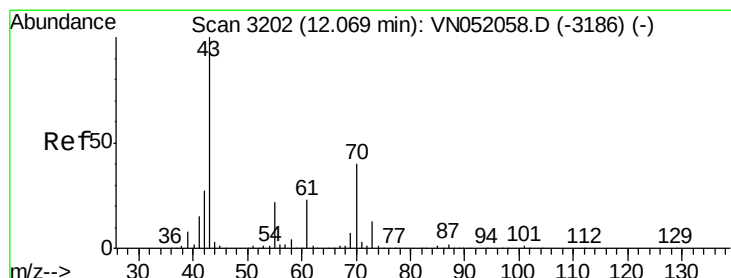
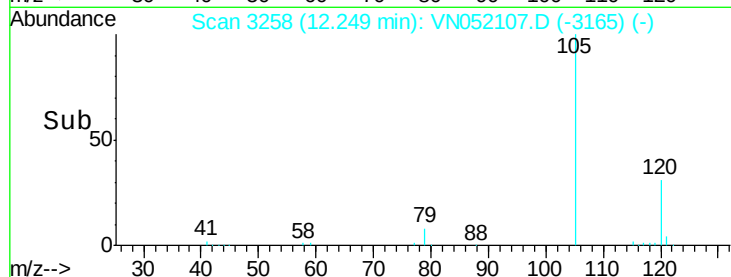
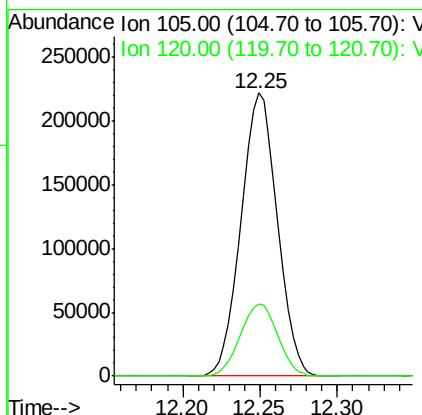
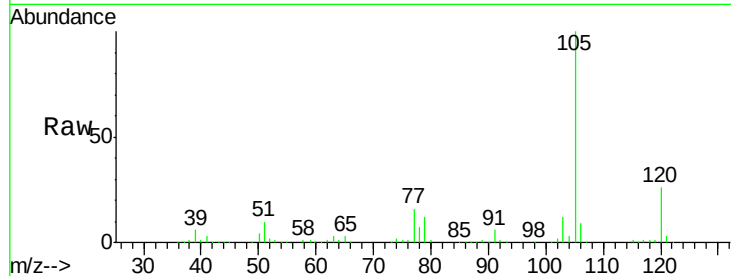
#73
Isopropylbenzene
Concen: 19.527 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion: 105 Resp: 362300
Ion Ratio Lower Upper
105 100
120 26.4 12.8 38.4

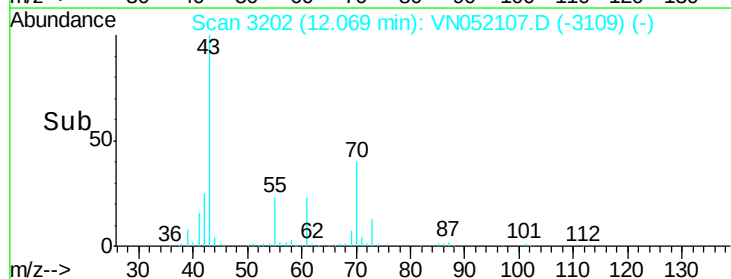
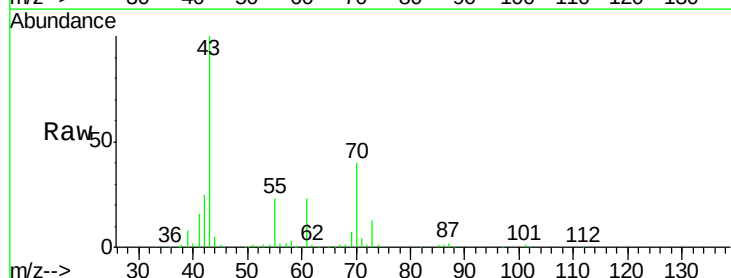
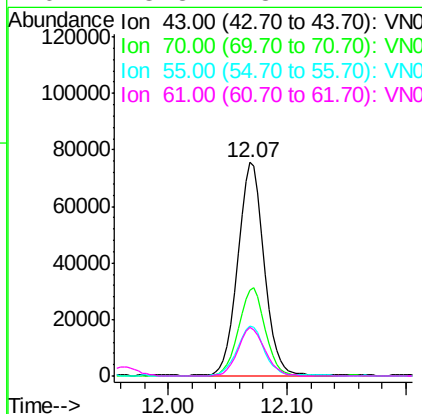
Manual Integrations
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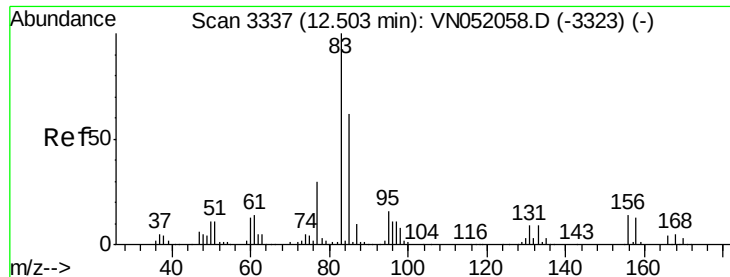
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#74
N-ethyl acetate
Concen: 17.837 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion: 43 Resp: 115495
Ion Ratio Lower Upper
43 100
70 41.8 31.9 47.9
55 24.5 18.4 27.6
61 23.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.600 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

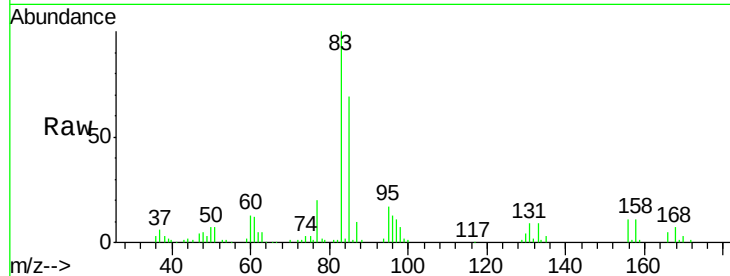
ClientSampleId :

VN1101WBSD02

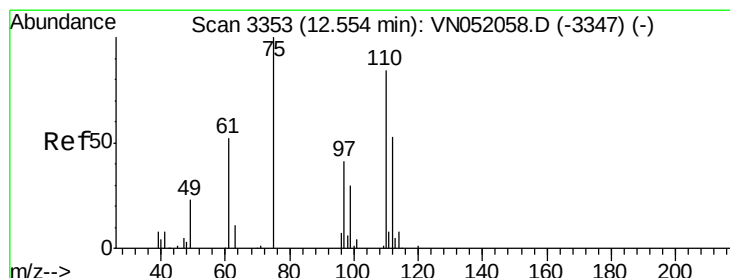
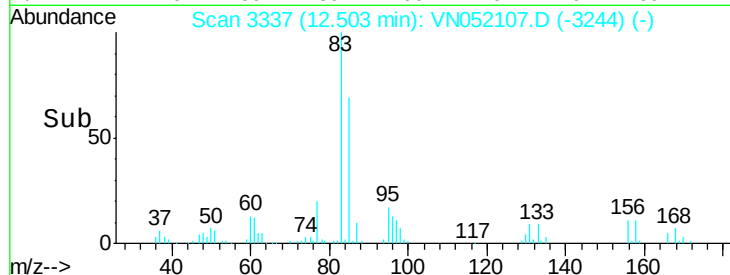
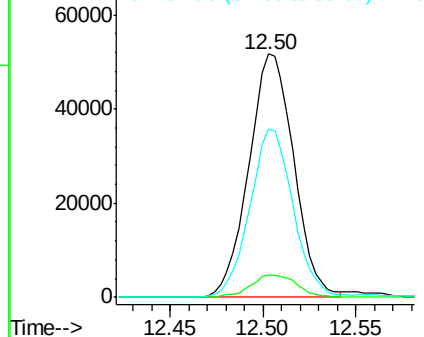
Tgt Ion:	83	Resp:	87204
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.5	13.4
85	66.5	31.3	93.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052107.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 20.080 ug/l m

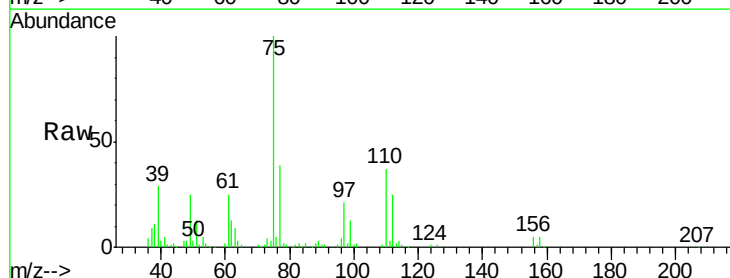
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

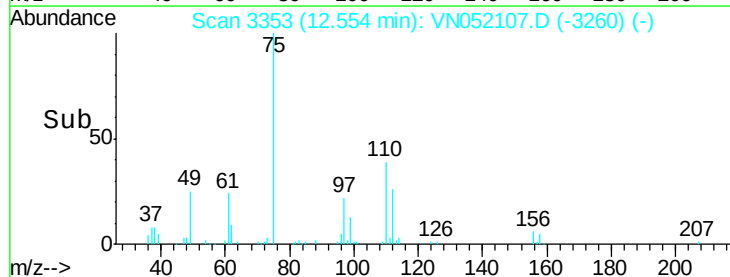
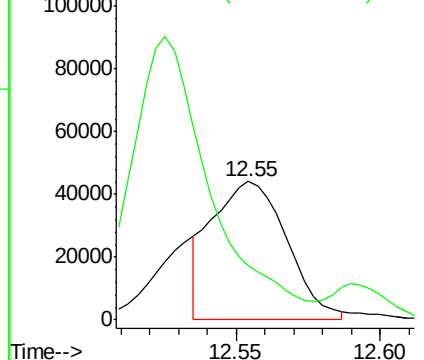
Lab File: VN052107.D

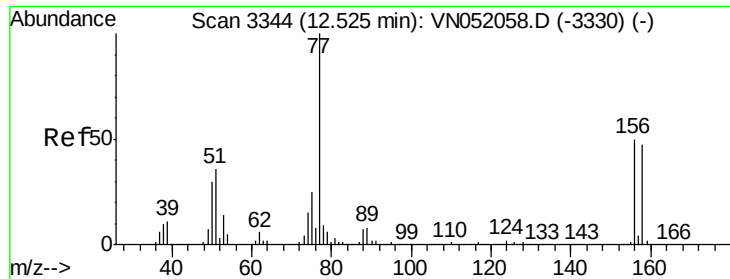
Acq: 1 Nov 2018 17:09

Tgt Ion:	75	Resp:	79751
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052107.D (-3260) (-)





#77

Bromobenzene

Concen: 20.317 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

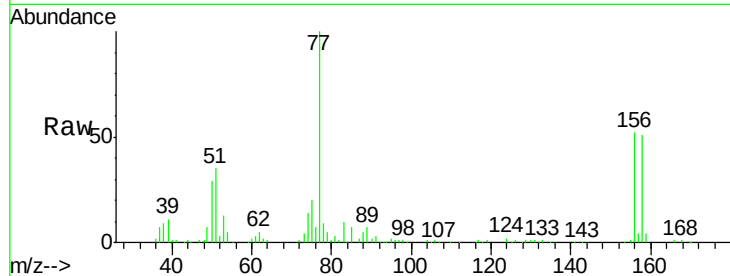
ClientSampleId :

VN1101WBSD02

Tgt Ion:	156	Resp:	78872
Ion Ratio	Lower	Upper	
156	100		
77	219.7	119.6	358.6
158	99.9	47.8	143.4

Manual Integrations
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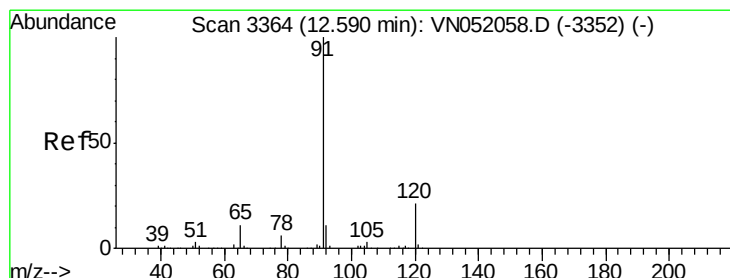
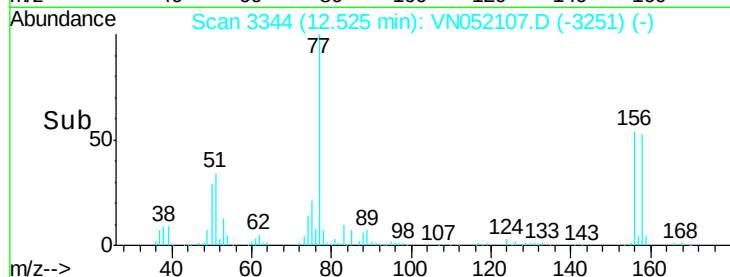
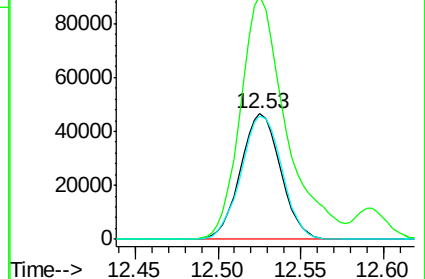
MMDadoda
11/2/2018 9:21:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.768 ug/l

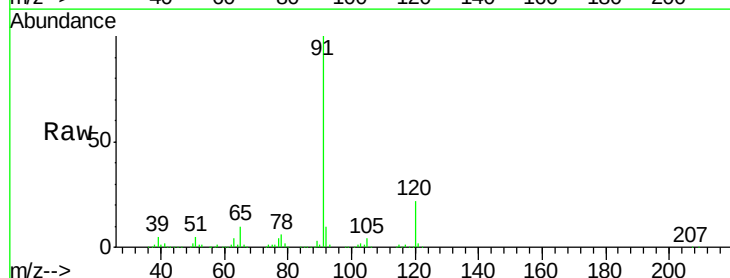
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052107.D

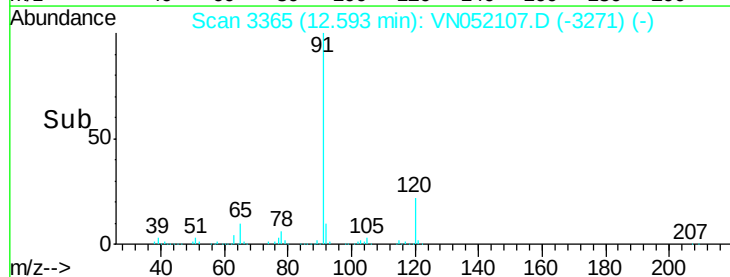
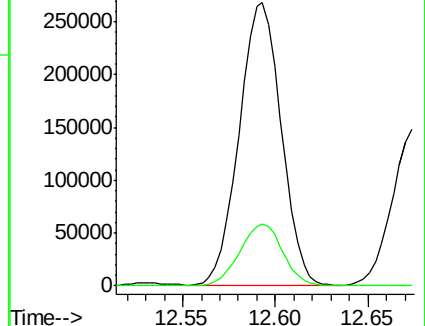
Acq: 1 Nov 2018 17:09

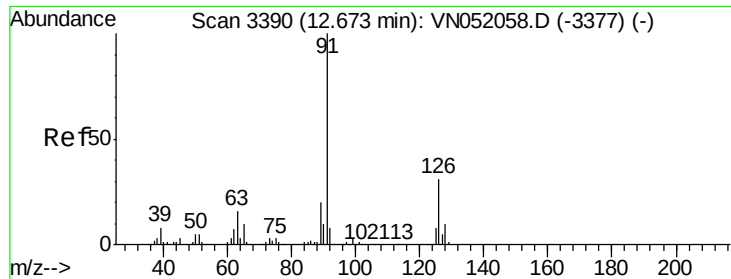
Tgt Ion:	91	Resp:	421934
Ion Ratio	Lower	Upper	
91	100		
120	22.5	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.179 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBSD02

Tgt Ion: 91 Resp: 251366

Ion Ratio Lower Upper

91 100

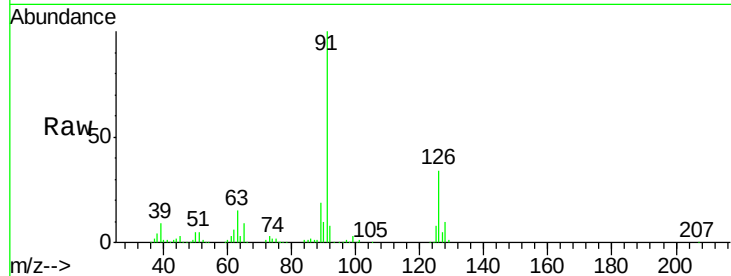
126 34.3 15.9 47.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052107.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052107.D (-3391) (-)

250000

200000

150000

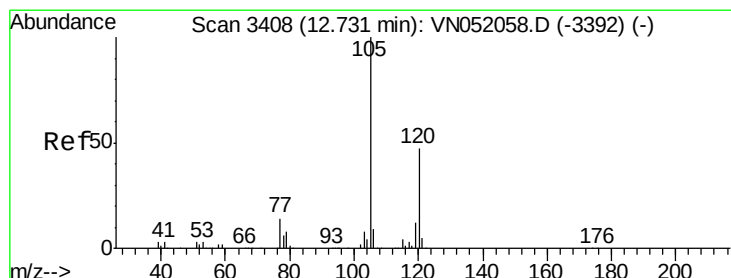
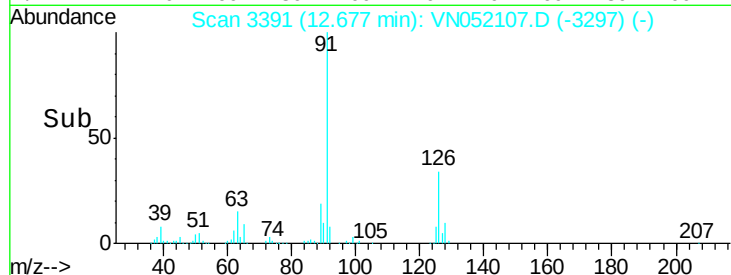
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.456 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052107.D

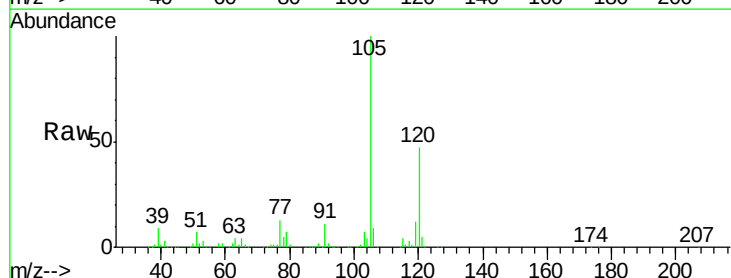
Acq: 1 Nov 2018 17:09

Tgt Ion: 105 Resp: 293760

Ion Ratio Lower Upper

105 100

120 48.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052107.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN052107.D (-3409) (-)

200000

150000

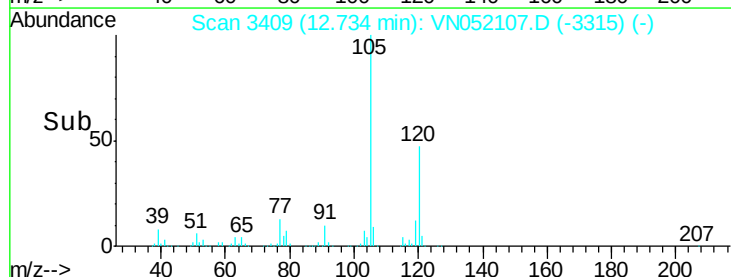
100000

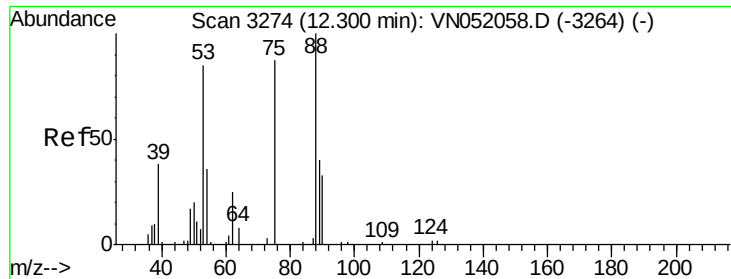
50000

0

12.65 12.70 12.75 12.80

Time-->





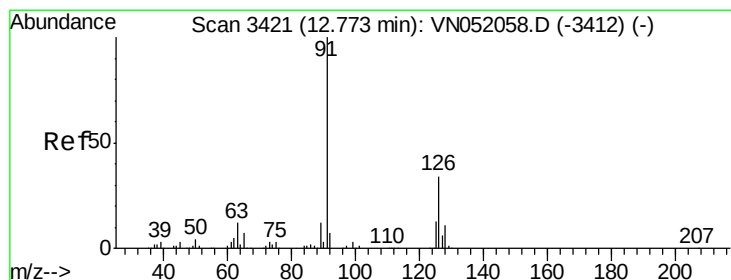
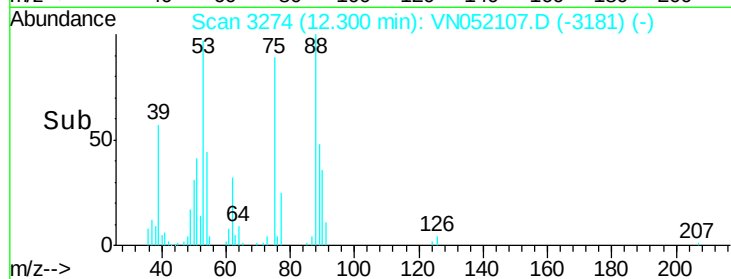
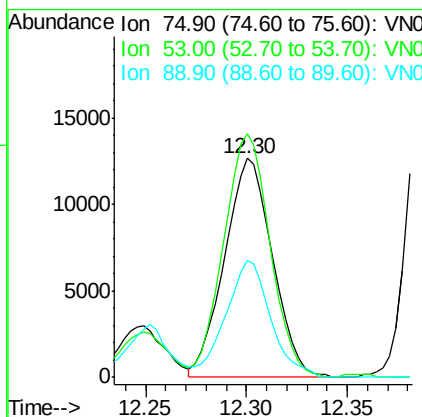
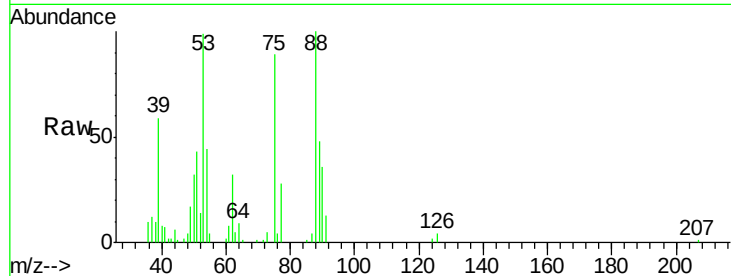
#81
trans-1,4-Dichloro-2-butene
Concen: 17.557 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	107.9	81.8	122.6
89	49.5	36.6	54.8

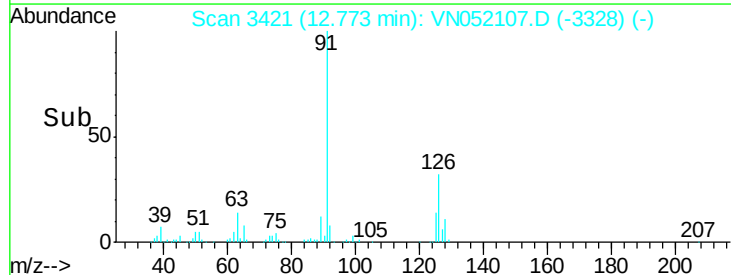
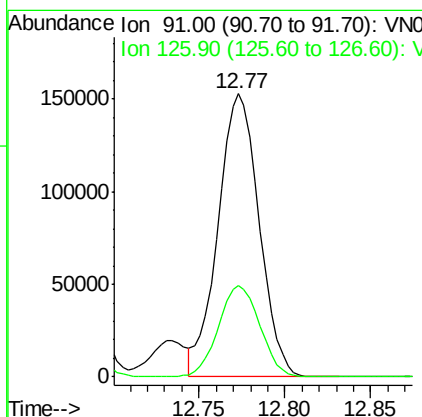
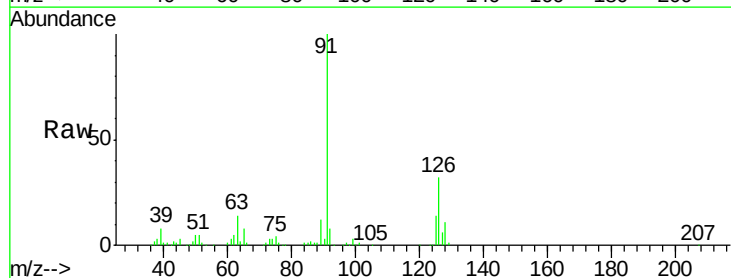
Manual Integrations
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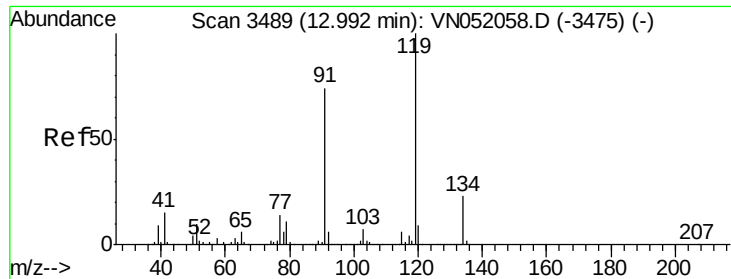
MMDadoda
11/2/2018 9:21:41 AM



#82
4-Chlorotoluene
Concen: 18.997 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052107.D
Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	15.7	47.1





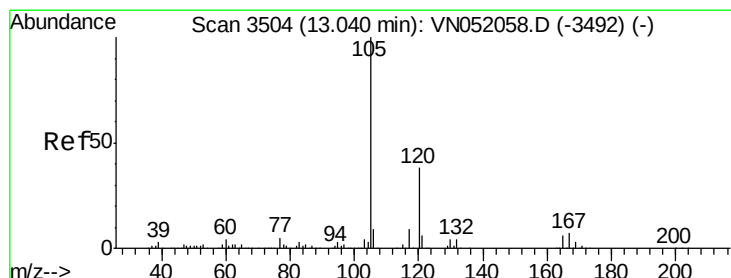
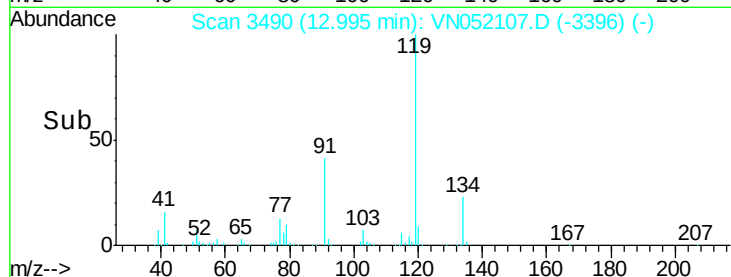
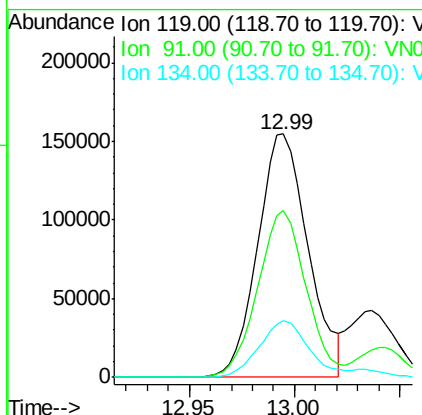
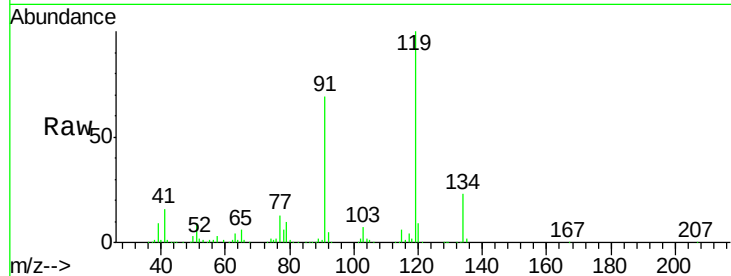
#83
 tert-Butylbenzene
 Concen: 20.287 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	257300		
91	66.1	36.6	109.9	
134	22.9	12.5	37.5	

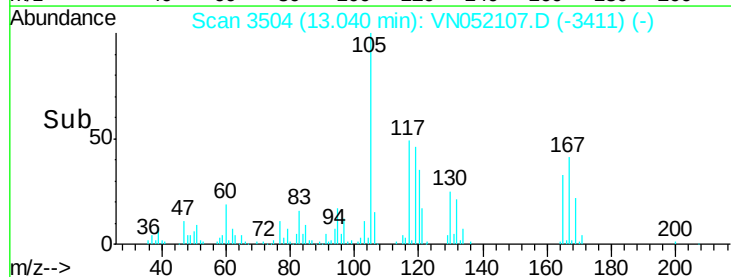
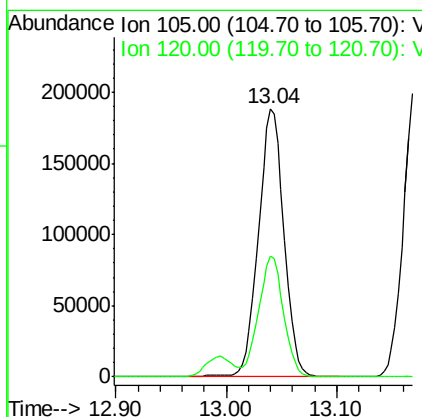
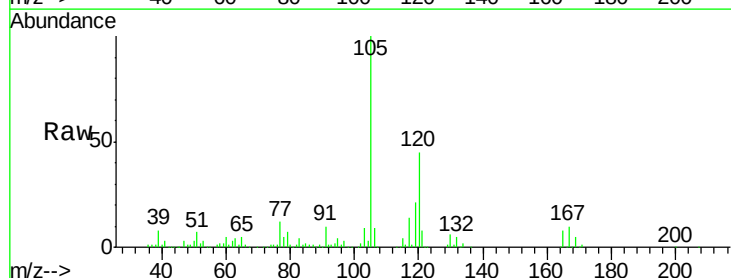
Manual Integrations
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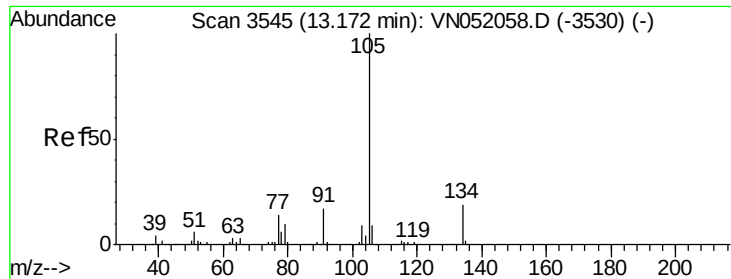
MMDadoda
 11/2/2018 9:21:41 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.047 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	301276		
120	44.3	21.9	65.5	





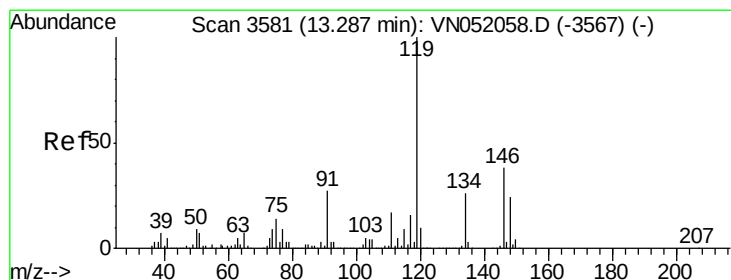
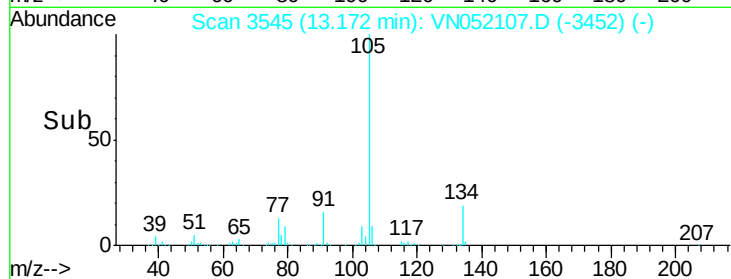
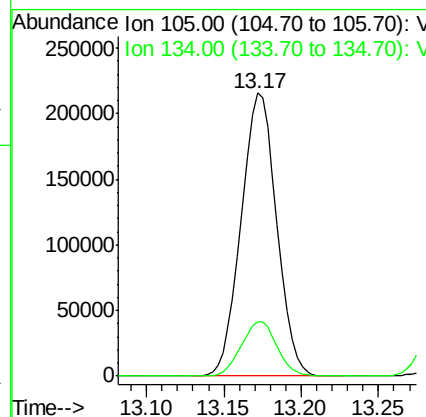
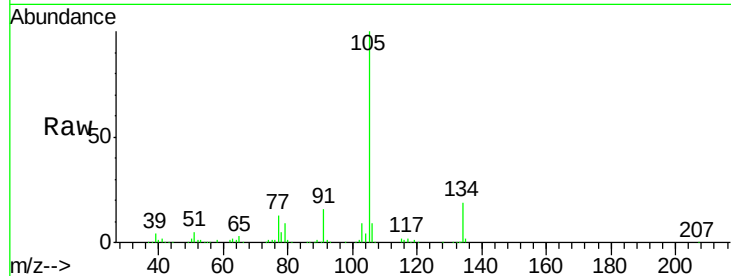
#85
 sec-Butylbenzene
 Concen: 19.005 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	344341		
134	19.4	9.1	27.3	

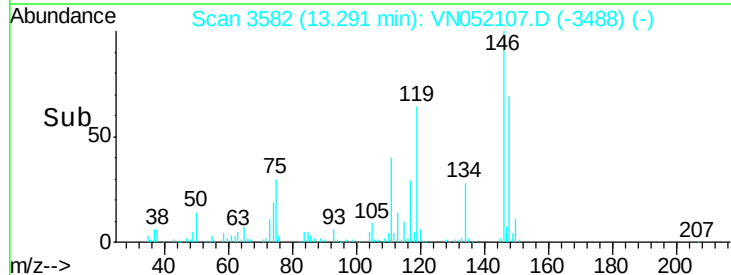
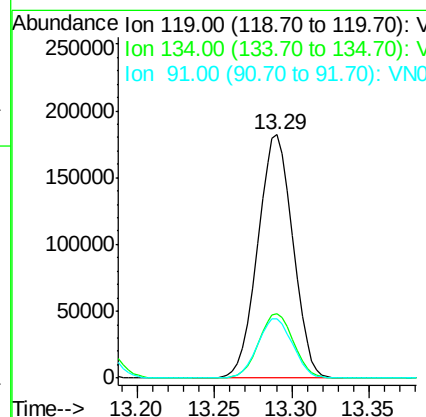
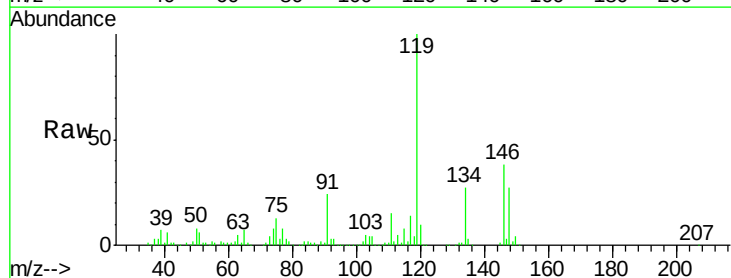
Manual Integrations
 APPROVED

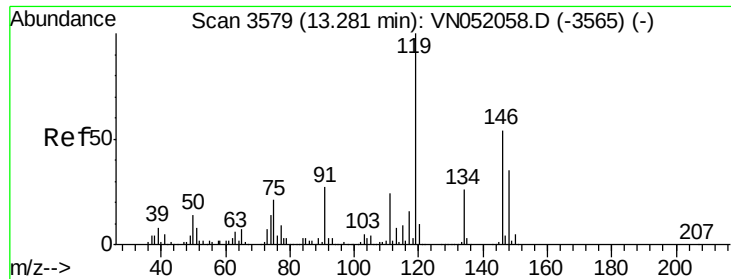
MMDadoda
 11/2/2018 9:21:41 AM



#86
 p-Isopropyltoluene
 Concen: 19.503 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	287783		
134	26.4	12.8	38.3	
91	24.6	13.4	40.2	





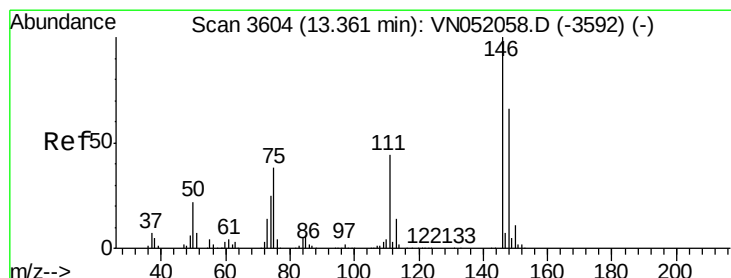
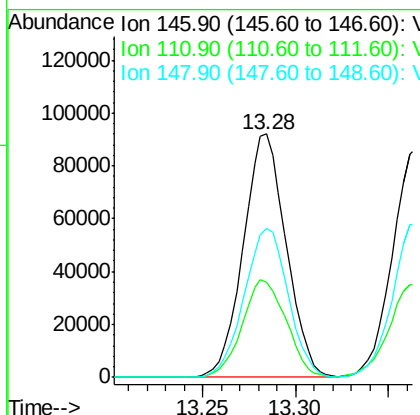
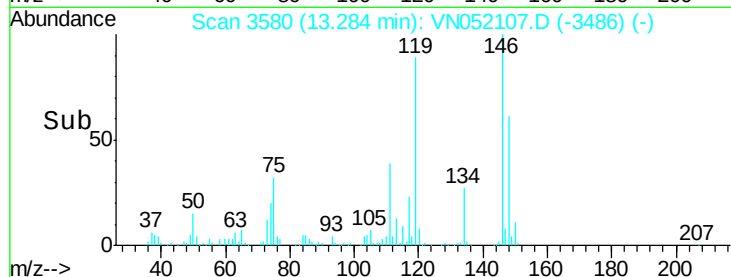
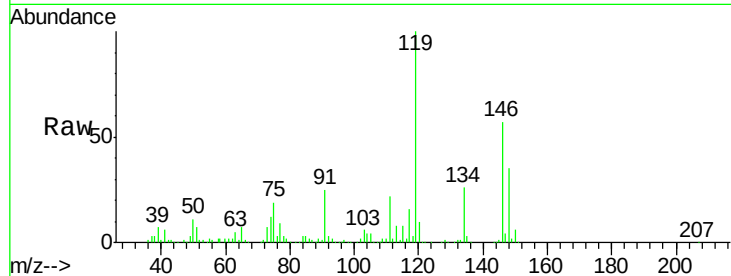
#87
 1,3-Dichlorobenzene
 Concen: 20.834 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	147500		
111	41.2	22.9	68.8	
148	62.9	31.8	95.4	

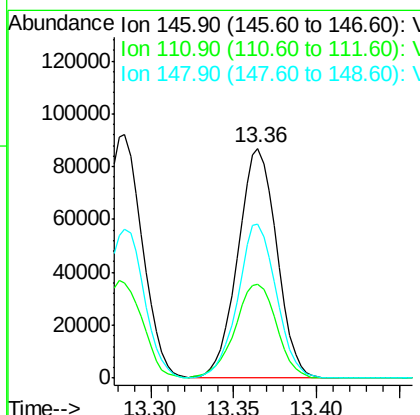
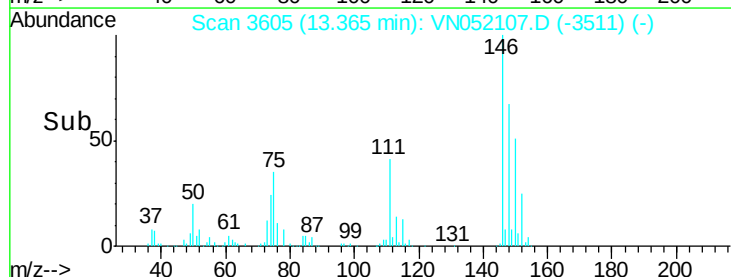
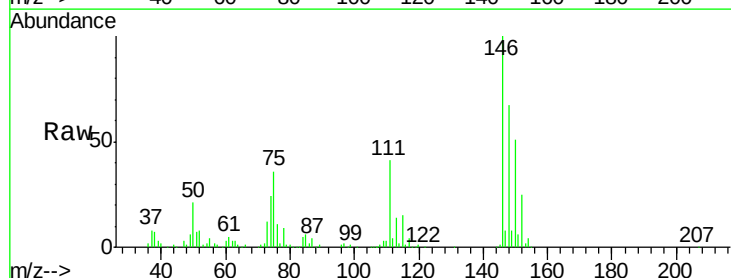
Manual Integrations
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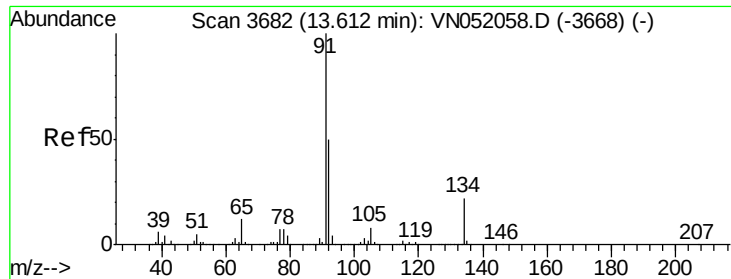
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#88
 1,4-Dichlorobenzene
 Concen: 20.037 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	142174		
111	43.9	21.9	65.8	
148	66.3	32.6	98.0	





#89

n-Butylbenzene

Concen: 17.570 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

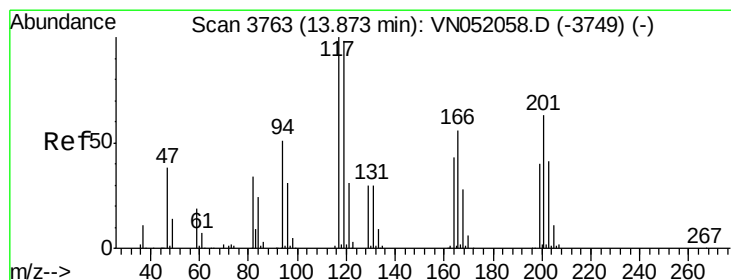
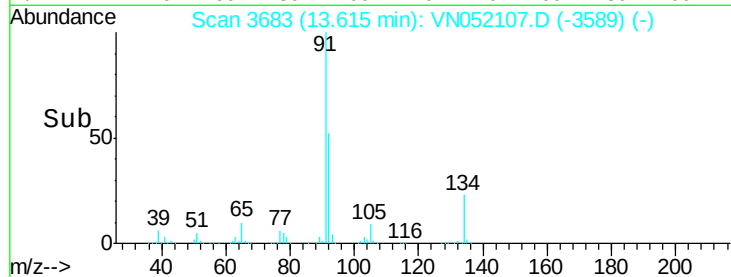
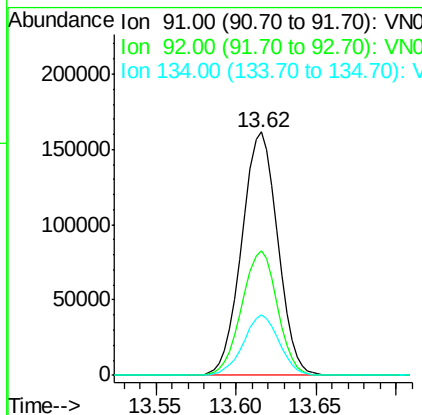
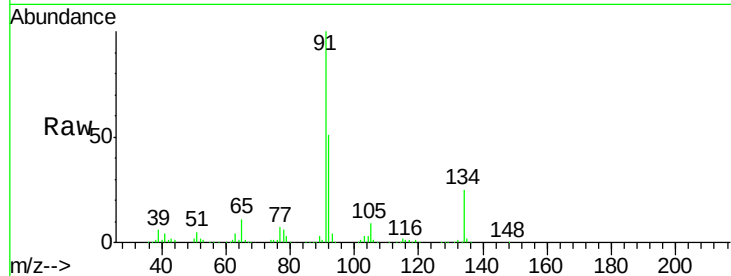
ClientSampleId :

VN1101WBSD02

Tgt Ion:	91	Resp:	247255
Ion Ratio	Lower	Upper	
91	100		
92	50.7	25.3	75.8
134	24.5	11.2	33.5

Manual Integrations
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11/2/2018 9:21:41 AM



#90

Hexachloroethane

Concen: 18.227 ug/l

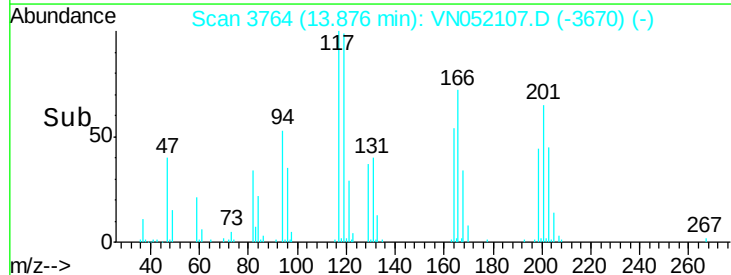
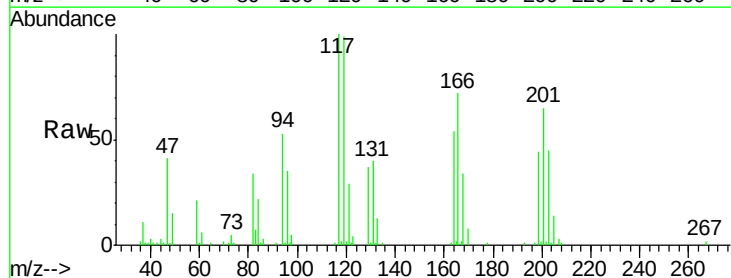
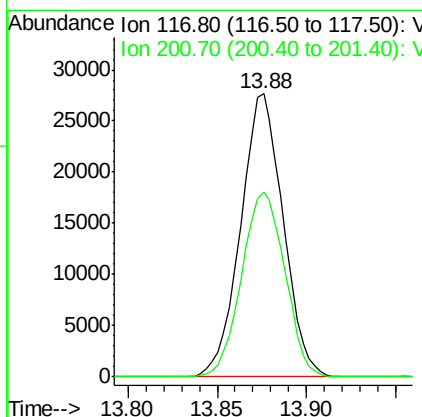
RT: 13.88 min Scan# 3764

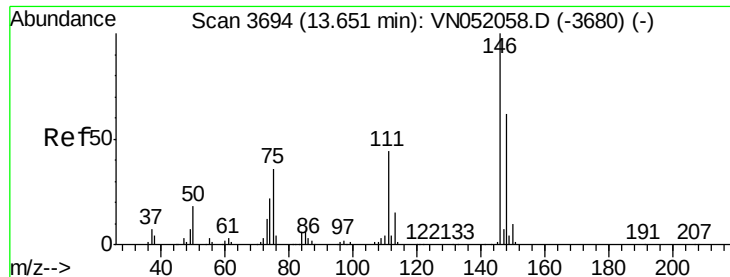
Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Tgt Ion:	117	Resp:	46092
Ion Ratio	Lower	Upper	
117	100		
201	66.4	31.1	93.5





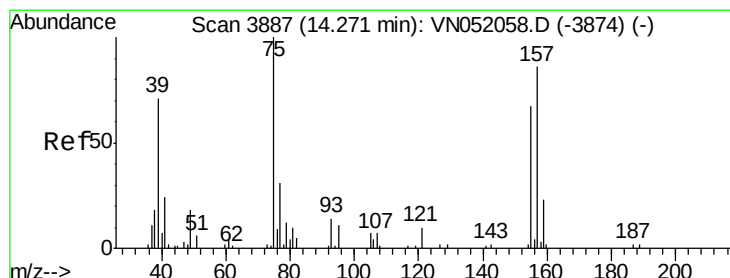
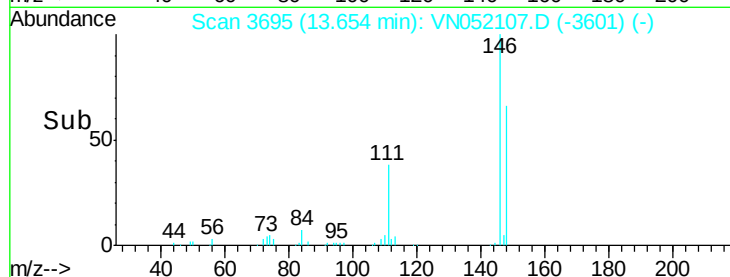
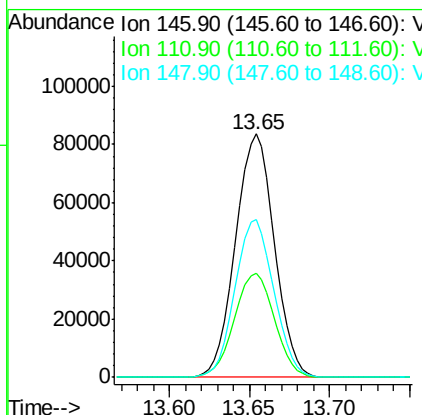
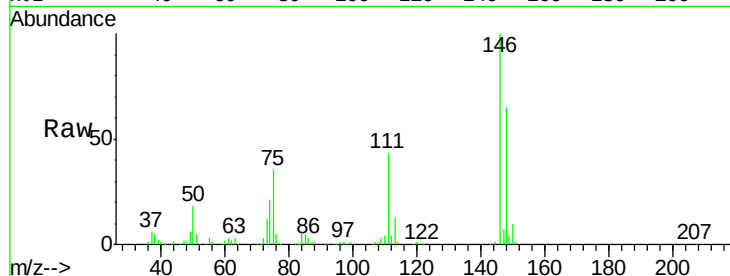
#91
 1,2-Dichlorobenzene
 Concen: 20.815 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.5	67.5
148	64.6	30.9	92.8

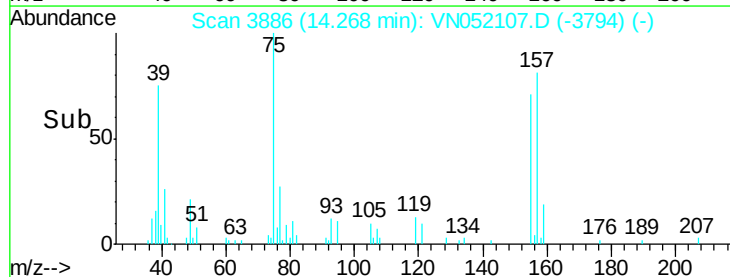
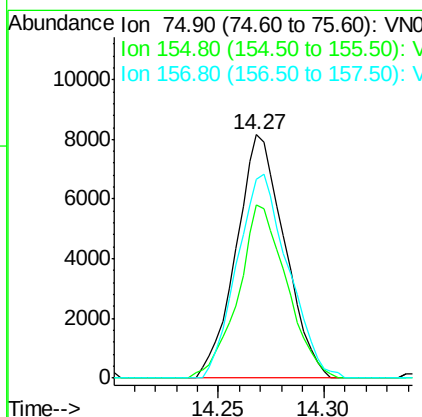
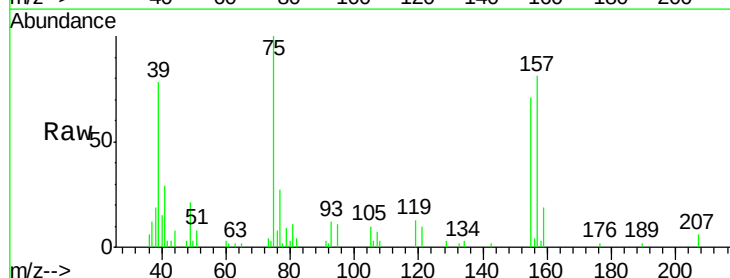
Manual Integrations
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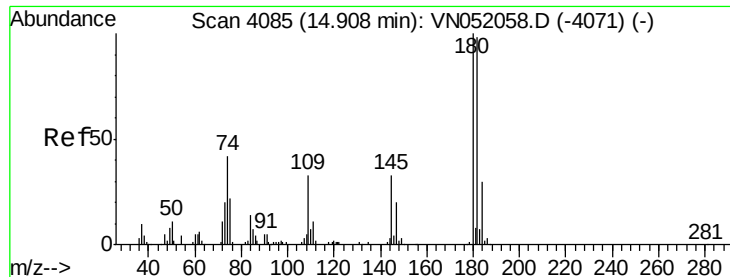
MMDadoda
 11/2/2018 9:21:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.800 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	34.0	102.0
157	88.6	42.1	126.4





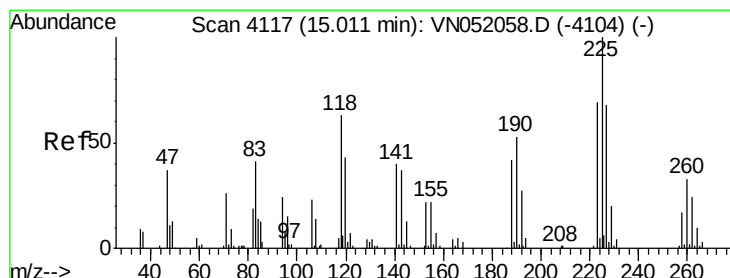
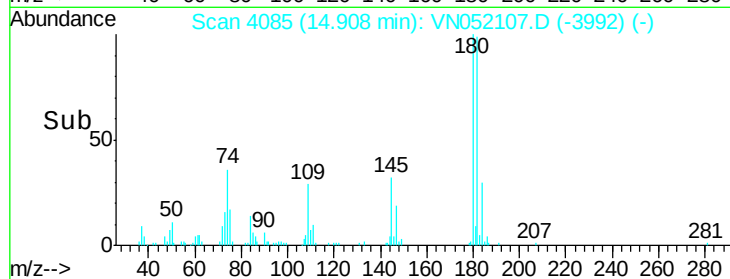
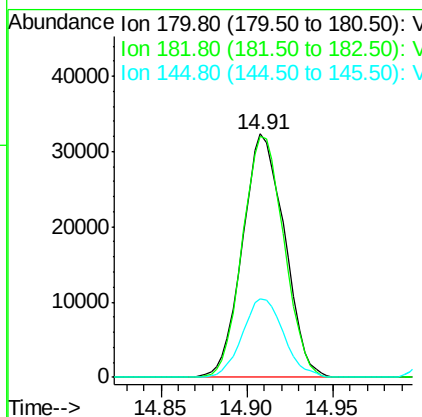
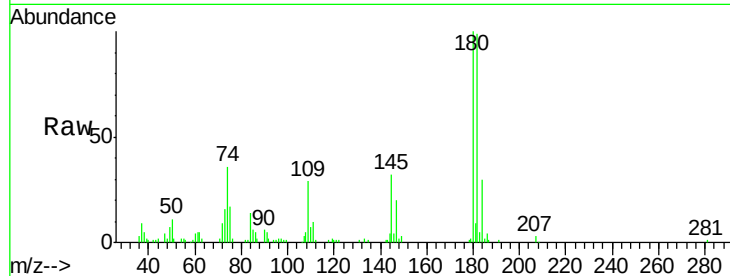
#93
 1,2,4-Trichlorobenzene
 Concen: 22.089 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	49.1	147.4
145	31.7	16.4	49.2

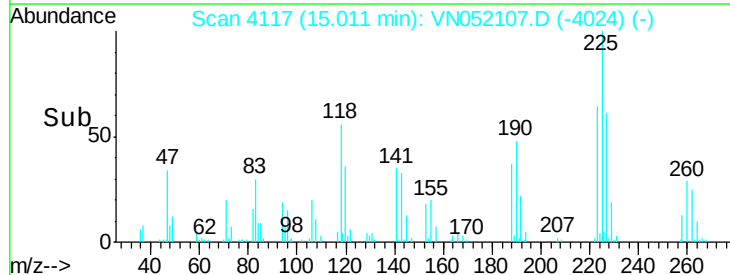
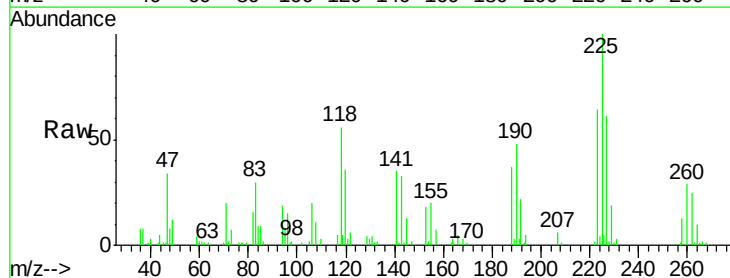
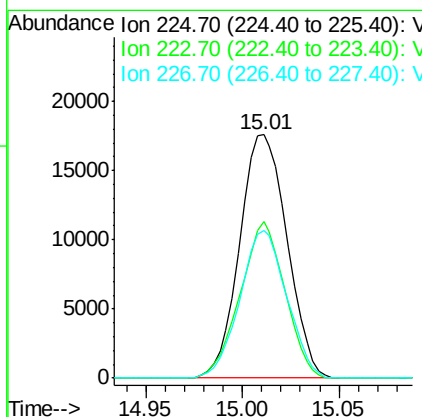
Manual Integrations
 APPROVED

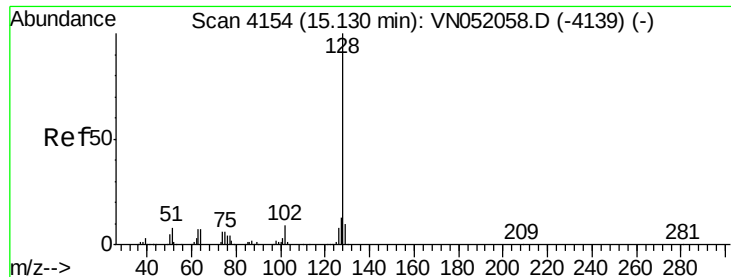
MMDadoda
 11/2/2018 9:21:41 AM



#94
 Hexachlorobutadiene
 Concen: 21.633 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052107.D
 Acq: 1 Nov 2018 17:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	33.1	99.3
227	59.6	32.6	97.8





#95

Naphthalene

Concen: 22.915 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Instrument :

MSVOA_N

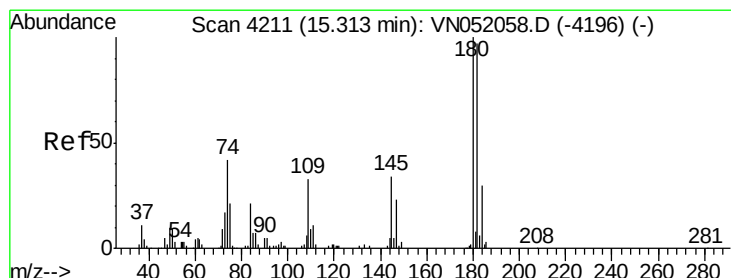
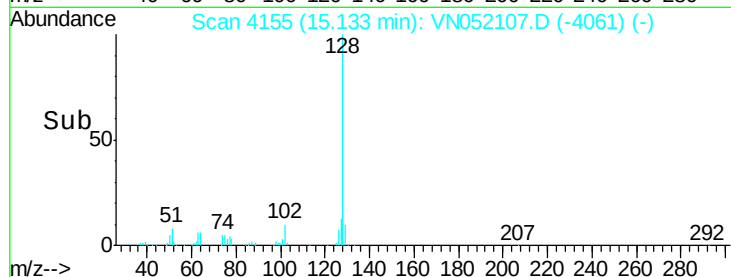
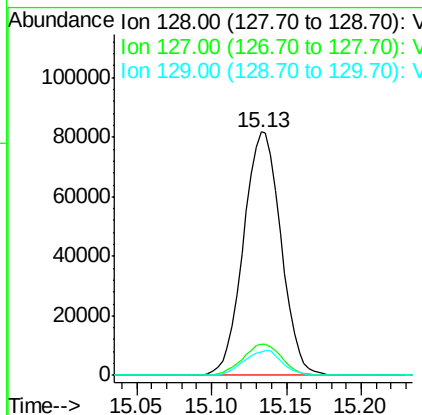
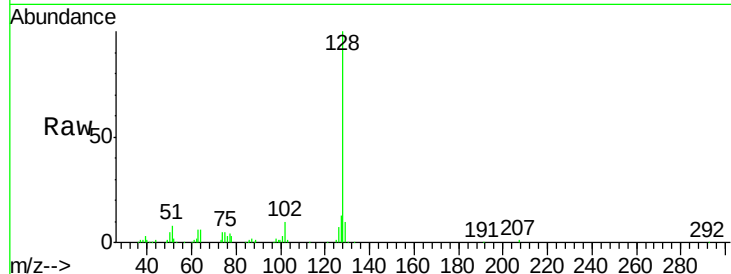
ClientSampleId :

VN1101WBSD02

Tgt Ion:	128	Resp:	142456
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.716 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052107.D

Acq: 1 Nov 2018 17:09

Tgt Ion:	180	Resp:	48586
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.2	141.6
145	32.5	16.6	49.7

