

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021819\
 Data File : VN053834.D
 Acq On : 18 Feb 2019 11:11
 Operator : JC/SP
 Sample : VN0218WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 12:31:16 PM

Quant Time: Feb 19 03:27:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	554847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	891155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	783383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	364090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	295841	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.59	113	284404	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.09	98	1018392	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.40	95	336459	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	107994	17.486	ug/l	100
3) Chloromethane	2.06	50	116312	17.657	ug/l	99
4) Vinyl Chloride	2.19	62	131514	20.567	ug/l	99
5) Bromomethane	2.57	94	96470	23.074	ug/l	97
6) Chloroethane	2.71	64	85120	23.294	ug/l	99
7) Trichlorofluoromethane	3.02	101	191742	22.112	ug/l	99
8) Diethyl Ether	3.41	74	67061	21.176	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	115426	21.523	ug/l	99
10) Methyl Iodide	3.96	142	161853	19.229	ug/l	100
11) Tert butyl alcohol	4.78	59	43292	131.419	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	108238	21.066	ug/l	97
13) Acrolein	3.62	56	7358	41.025	ug/l	98
14) Allyl chloride	4.33	41	173100	21.159	ug/l	99
15) Acrylonitrile	4.99	53	199608	112.242	ug/l	98
16) Acetone	3.82	43	174756	122.400	ug/l	98
17) Carbon Disulfide	4.06	76	284136	17.760	ug/l	99
18) Methyl Acetate	4.33	43	115420	27.297	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	281787	21.634	ug/l	98
20) Methylene Chloride	4.55	84	128923	21.523	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	106757	19.259	ug/l	95
22) Diisopropyl ether	5.95	45	307796	20.305	ug/l	96
23) Vinyl Acetate	5.90	43	1052809	100.398	ug/l	99
24) 1,1-Dichloroethane	5.85	63	201007	19.881	ug/l	100
25) 2-Butanone	6.84	43	224144	110.076	ug/l	100
26) 2,2-Dichloropropane	6.83	77	151873	19.678	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	126603	20.540	ug/l	96
28) Bromochloromethane	7.19	49	79096	18.027	ug/l	95
29) Tetrahydrofuran	7.21	42	146045	111.693	ug/l	97
30) Chloroform	7.37	83	207196	20.673	ug/l	97
31) Cyclohexane	7.66	56	171680	18.130	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	172334	20.661	ug/l	98
36) 1,1-Dichloropropene	7.79	75	146193	18.199	ug/l	99
37) Ethyl Acetate	6.93	43	93808	20.909	ug/l	99
38) Carbon Tetrachloride	7.78	117	151941	18.775	ug/l	99

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

39) Methylcyclohexane	9.08	83	160238	16.813	ug/l	100
40) Benzene	8.04	78	454407	18.343	ug/l	100
41) Methacrylonitrile	7.19	41	55673m	22.202	ug/l	
42) 1,2-Dichloroethane	8.12	62	138653	18.850	ug/l	99
43) Isopropyl Acetate	8.17	43	176981	20.426	ug/l #	84
44) Trichloroethene	8.84	130	128362	18.201	ug/l	98
45) 1,2-Dichloropropane	9.12	63	120308	18.988	ug/l	99
46) Dibromomethane	9.21	93	74899	19.610	ug/l	98
47) Bromodichloromethane	9.40	83	154210	19.418	ug/l	98
48) Methyl methacrylate	9.20	41	75526	18.261	ug/l	94
49) 1,4-Dioxane	9.20	88	26201	459.198	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	442783	103.994	ug/l	99
52) Toluene	10.16	92	280106	19.052	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	149978	18.860	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	178683	18.962	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	108739	20.525	ug/l	98
56) Ethyl methacrylate	10.43	69	123707	19.738	ug/l	98
57) 1,3-Dichloropropane	10.71	76	179296	19.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	282917	78.465	ug/l	98
59) 2-Hexanone	10.75	43	287280	99.388	ug/l	99
60) Dibromochloromethane	10.90	129	121171	20.282	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101615	19.379	ug/l	99
64) Tetrachloroethene	10.63	164	129005	19.211	ug/l	98
65) Chlorobenzene	11.43	112	309657	18.609	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	116527	20.052	ug/l	98
67) Ethyl Benzene	11.51	91	501259	18.338	ug/l	100
68) m/p-Xylenes	11.62	106	393090	37.679	ug/l	98
69) o-Xylene	11.95	106	191444	18.995	ug/l	98
70) Styrene	11.96	104	310085	18.982	ug/l	99
71) Bromoform	12.13	173	83484	20.954	ug/l #	98
73) Isopropylbenzene	12.25	105	506793	19.800	ug/l	99
74) N-amyl acetate	12.07	43	120462	19.572	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	125063	20.417	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112605m	24.079	ug/l	
77) Bromobenzene	12.53	156	136872	19.842	ug/l	98
78) n-propylbenzene	12.59	91	570076	19.267	ug/l	100
79) 2-Chlorotoluene	12.67	91	342274	19.498	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	429714	20.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	32309	19.427	ug/l	98
82) 4-Chlorotoluene	12.77	91	346793	19.253	ug/l	99
83) tert-Butylbenzene	12.99	119	389047	20.740	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	432751	20.013	ug/l	99
85) sec-Butylbenzene	13.17	105	518721	20.320	ug/l	99
86) p-Isopropyltoluene	13.29	119	446941	20.019	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	233400	18.822	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	231164	18.846	ug/l	99
89) n-Butylbenzene	13.62	91	349319	18.077	ug/l	99
90) Hexachloroethane	13.87	117	78392	21.288	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	234340	19.740	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18510	21.203	ug/l	94

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117705	17.288	ug/l	98
94) Hexachlorobutadiene	15.01	225	88875	20.960	ug/l	99
95) Naphthalene	15.13	128	231928	15.734	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	118792	18.804	ug/l	99

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

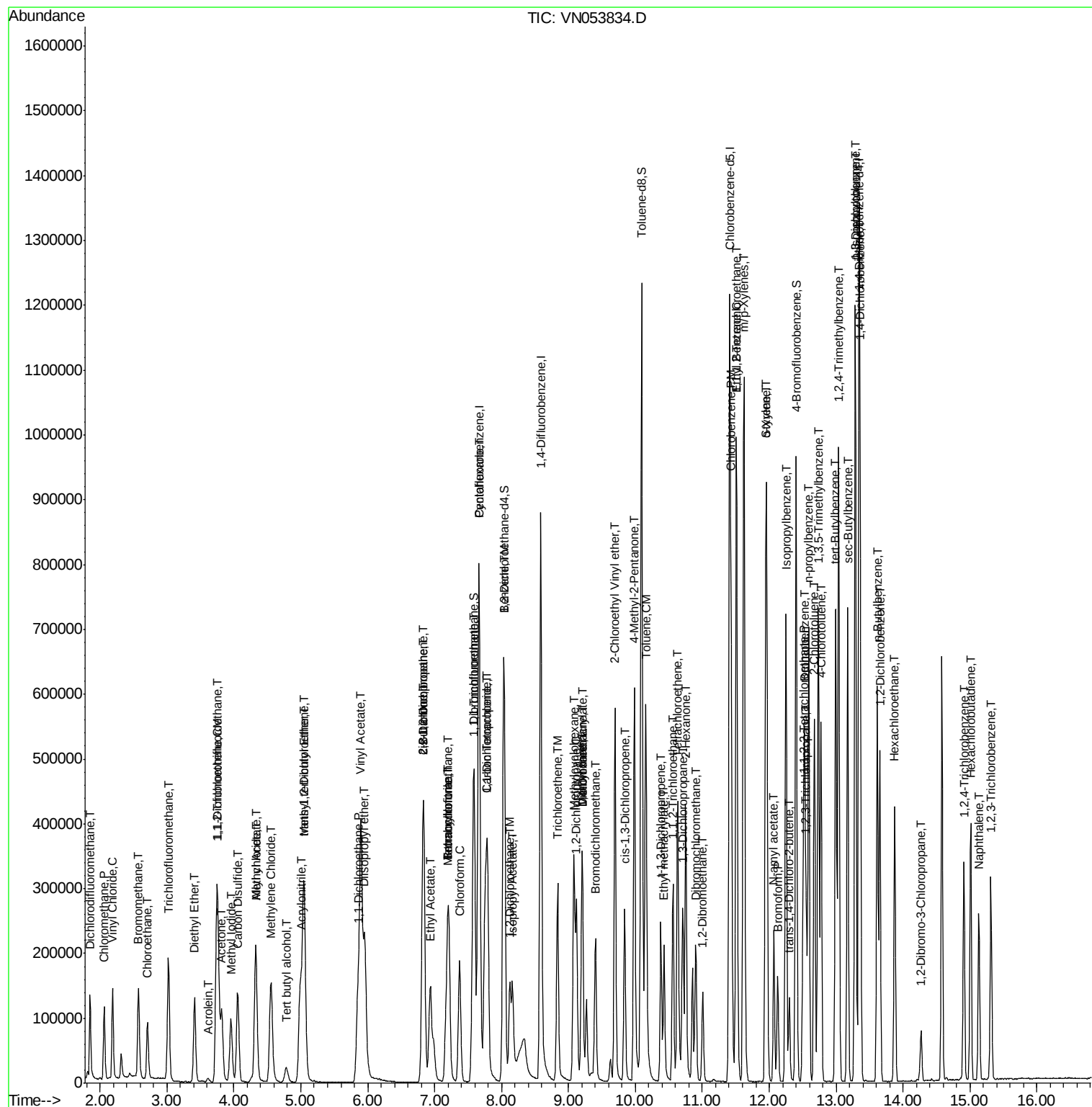
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021819\
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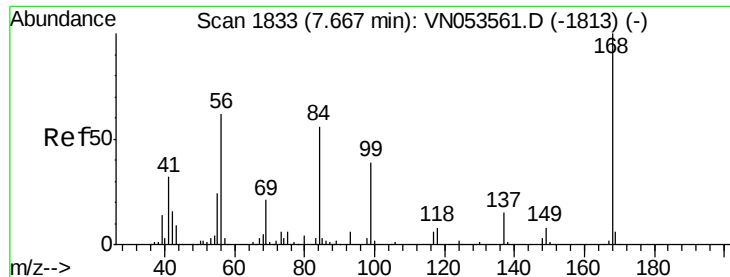
Instrument :
MSVOA_N
Client Sampled :
VN0218WBS01

Manual Integrations
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MMDadoda
2/19/2019 12:31:16 PM

Quant Time: Feb 19 03:27:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion:168 Resp: 554847

Ion Ratio Lower Upper

168 100

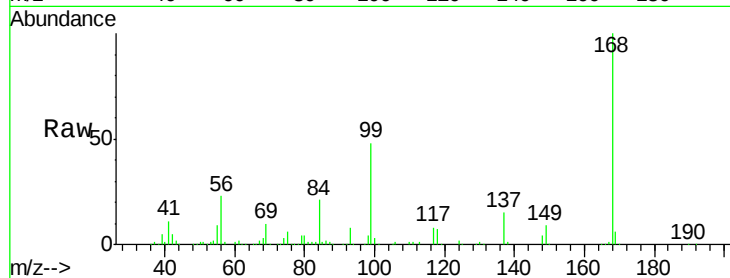
99 45.8 39.1 58.7

Manual Integrations

APPROVED

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2/19/2019 12:31:16 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

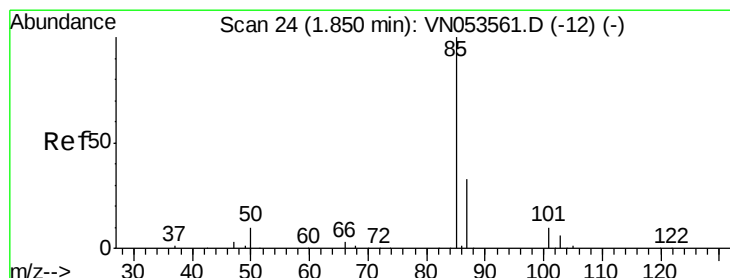
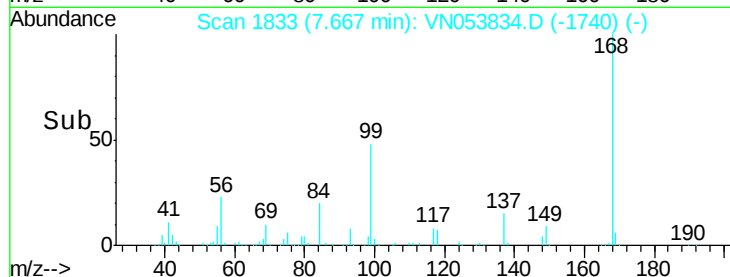
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.486 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053834.D

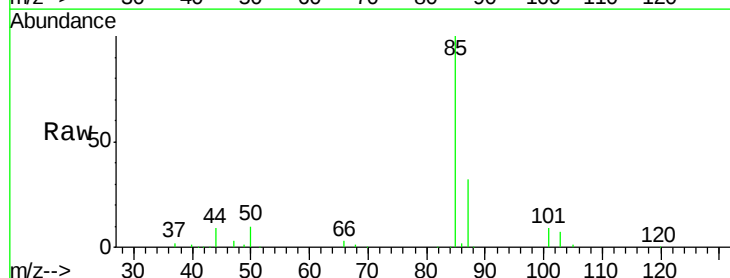
Acq: 18 Feb 2019 11:11

Tgt Ion: 85 Resp: 107994

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

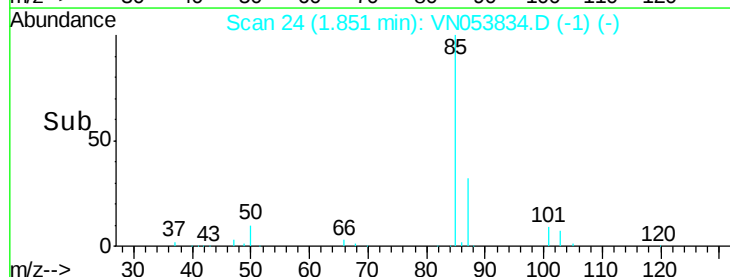
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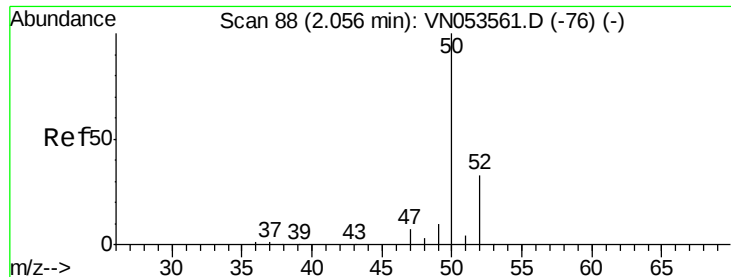
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20000

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Time-->





#3

Chloromethane

Concen: 17.657 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 50 Resp: 116312

Ion Ratio Lower Upper

50 100

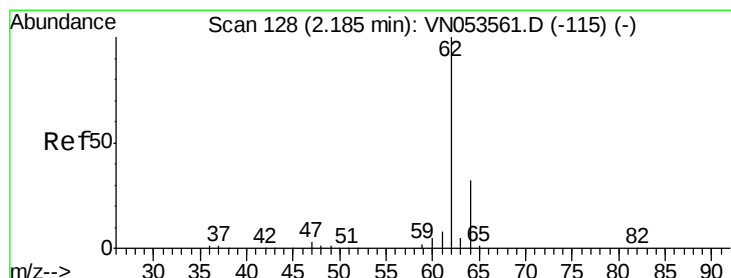
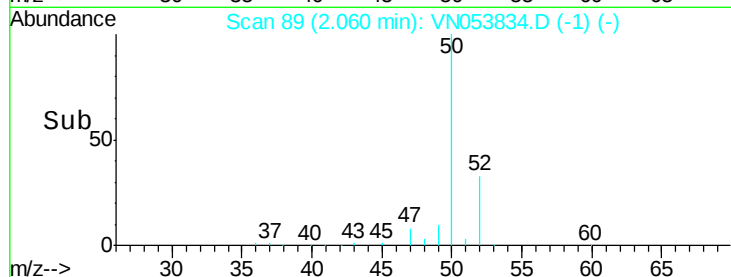
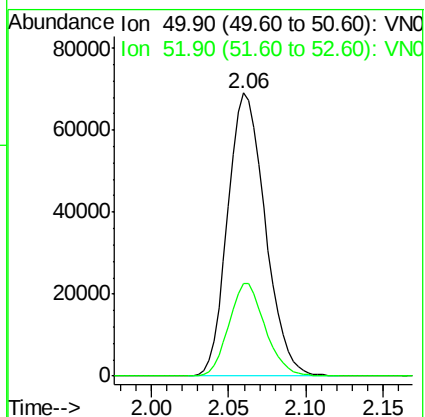
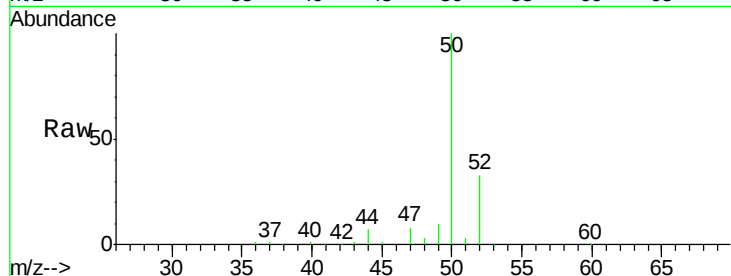
52 32.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.567 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053834.D

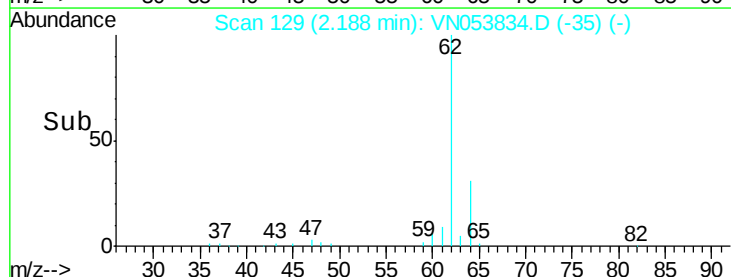
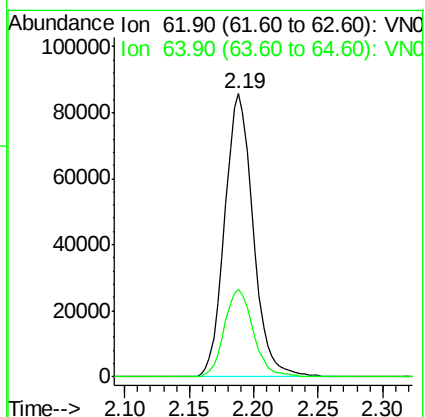
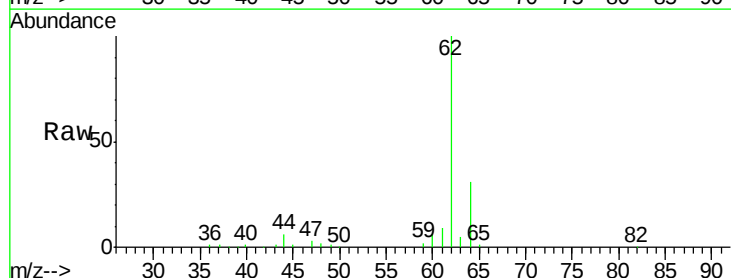
Acq: 18 Feb 2019 11:11

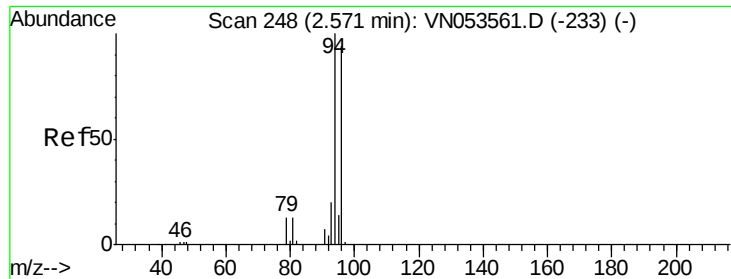
Tgt Ion: 62 Resp: 131514

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 23.074 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 94 Resp: 96470

Ion Ratio Lower Upper

94 100

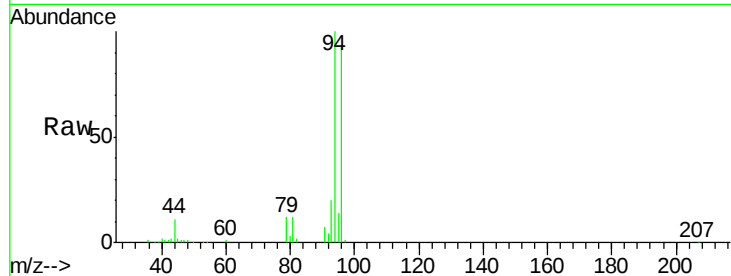
96 93.5 76.8 115.2

Manual Integrations

APPROVED

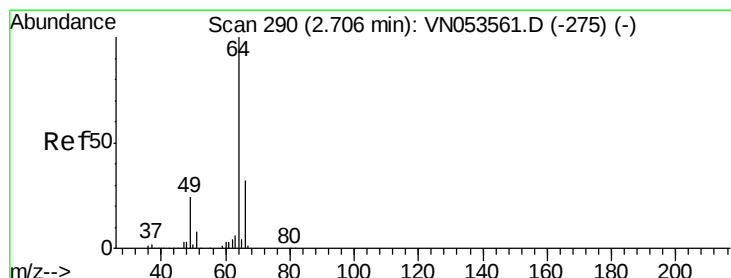
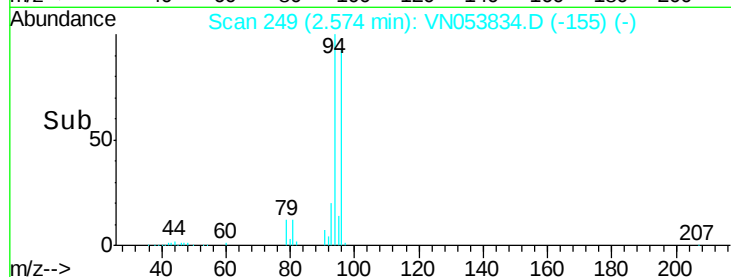
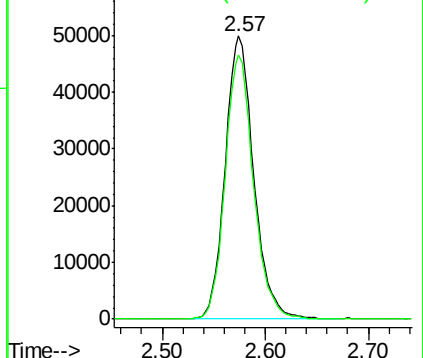
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 23.294 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053834.D

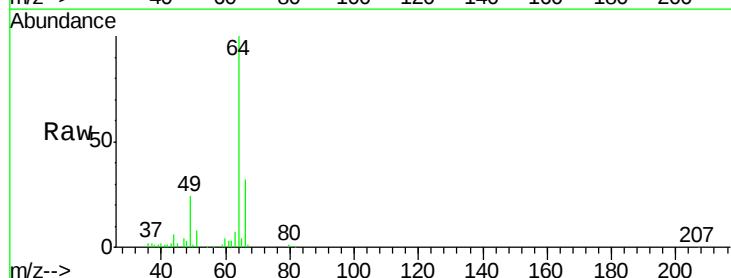
Acq: 18 Feb 2019 11:11

Tgt Ion: 64 Resp: 85120

Ion Ratio Lower Upper

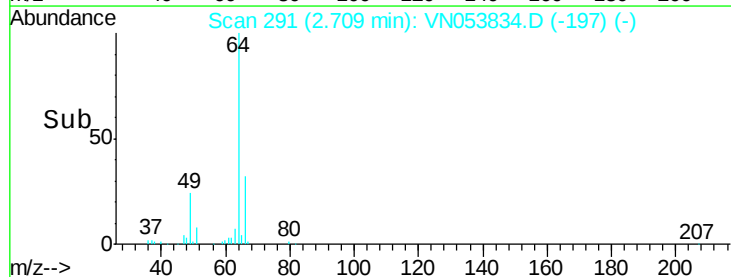
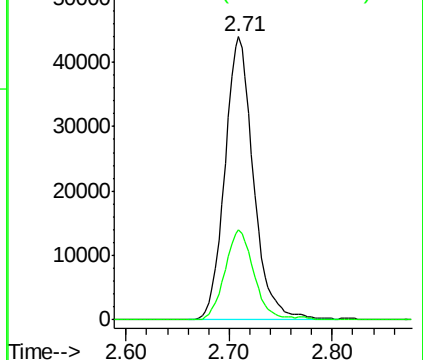
64 100

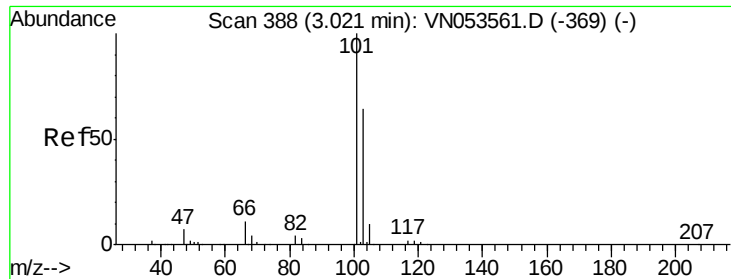
66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

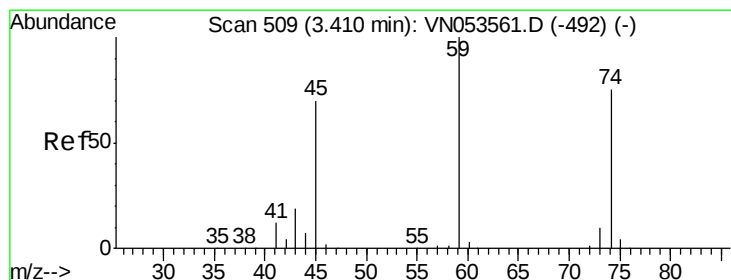
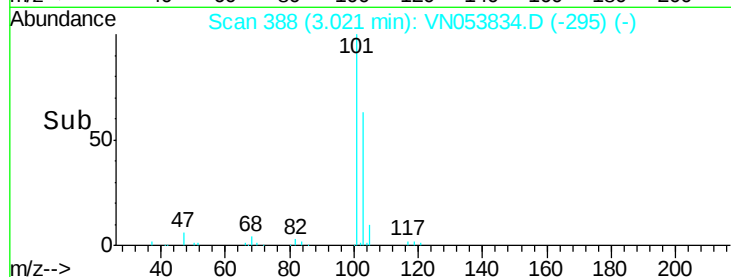
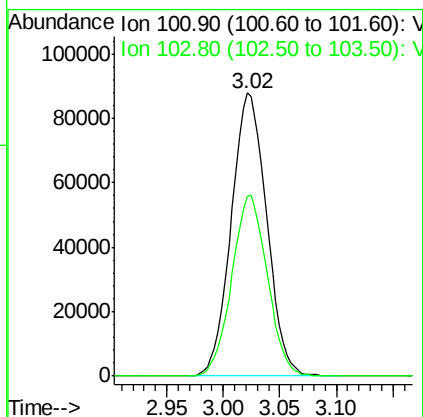
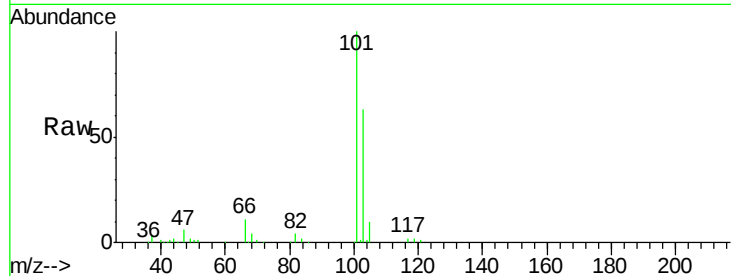
Trichlorofluoromethane
Concen: 22.112 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.6	77.4

Manual Integrations
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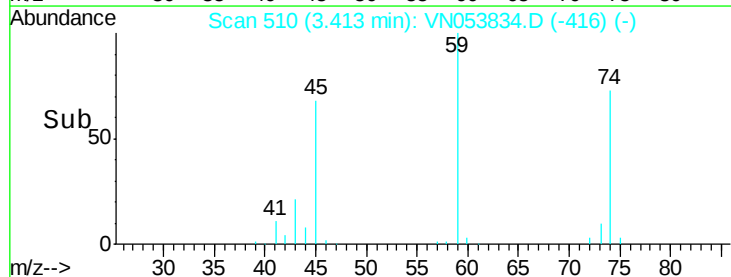
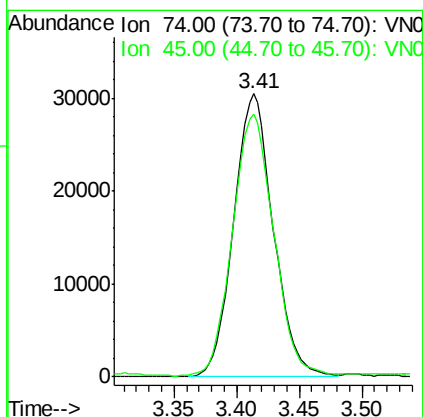
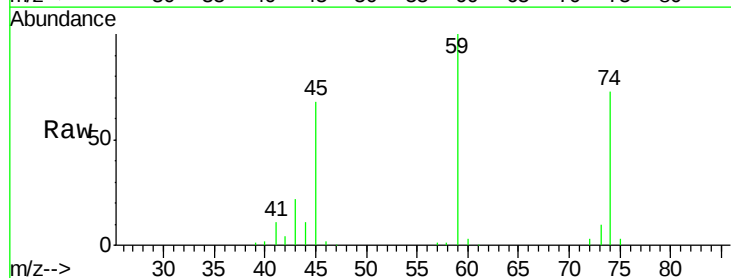
MMDadoda
2/19/2019 12:31:16 PM

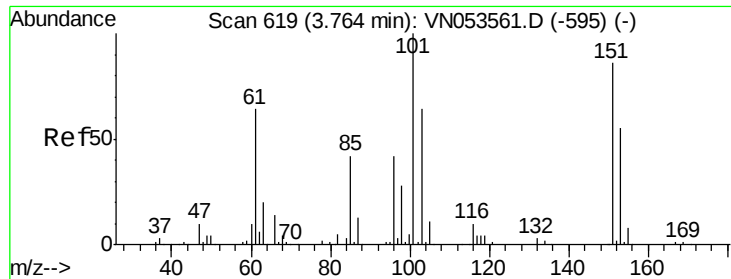


#8

Diethyl Ether
Concen: 21.176 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.523 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

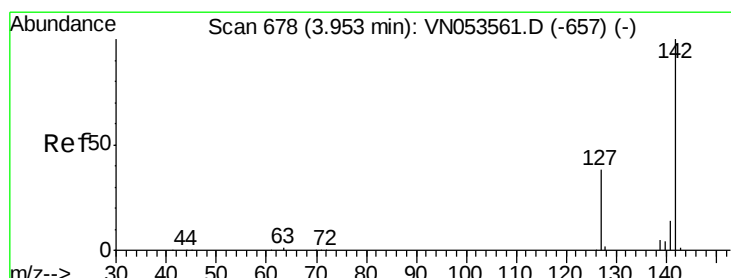
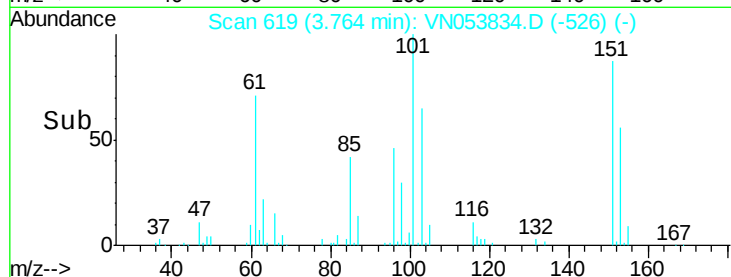
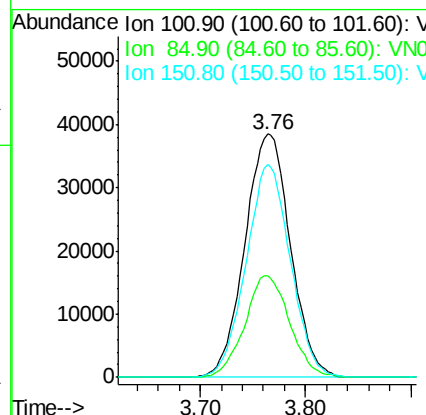
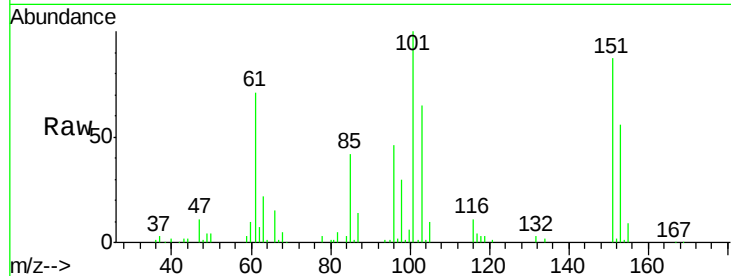
ClientSampleId :

VN0218WBS01

Tot Ion:	101	Resp:	115426
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.8	49.2
151	85.4	66.9	100.3

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#10

Methyl Iodide

Concen: 19.229 ug/l

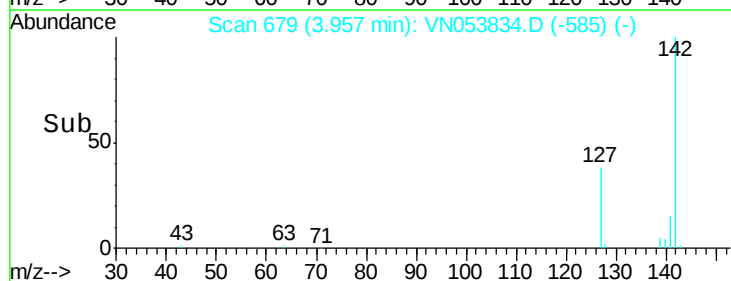
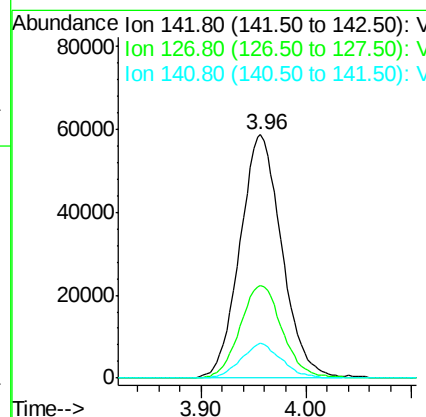
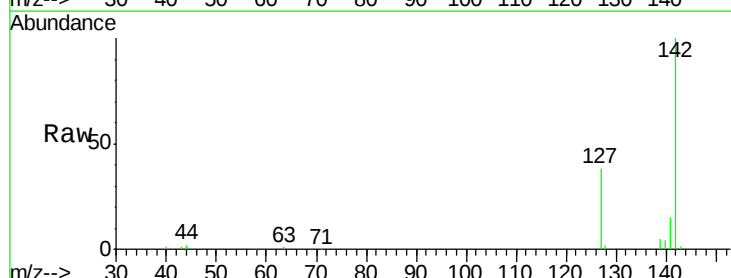
RT: 3.96 min Scan# 679

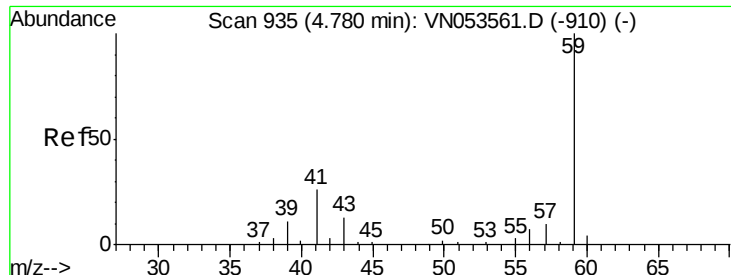
Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Tgt Ion:	142	Resp:	161853
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	13.8	11.1	16.7





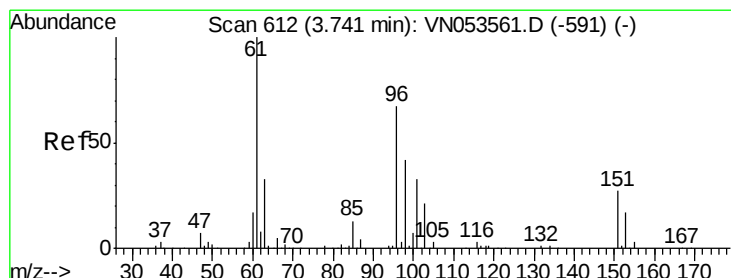
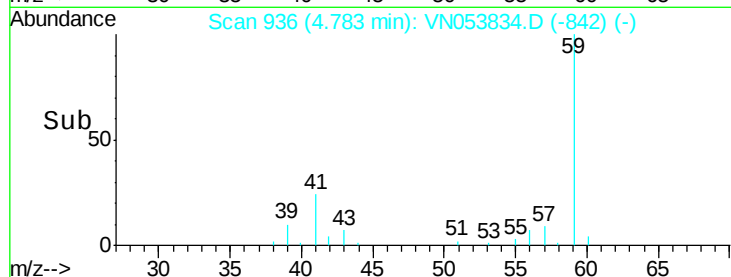
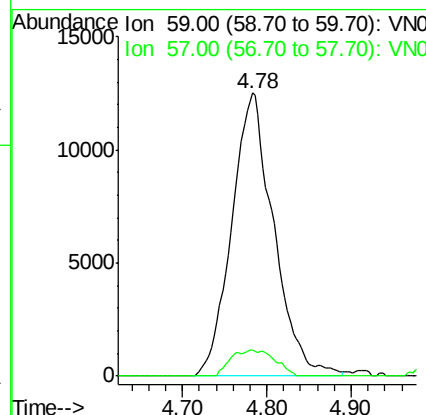
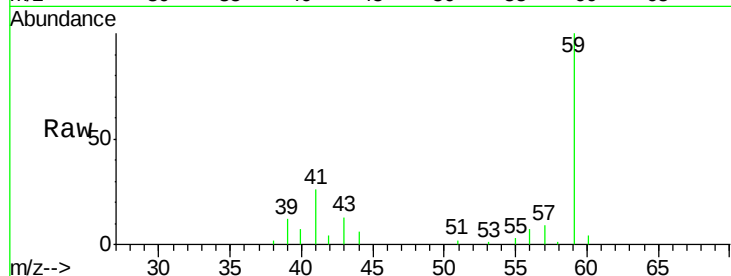
#11
Tert butyl alcohol
Concen: 131.419 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion: 59 Resp: 43292
Ion Ratio Lower Upper
59 100
57 5.8 8.2 12.4#

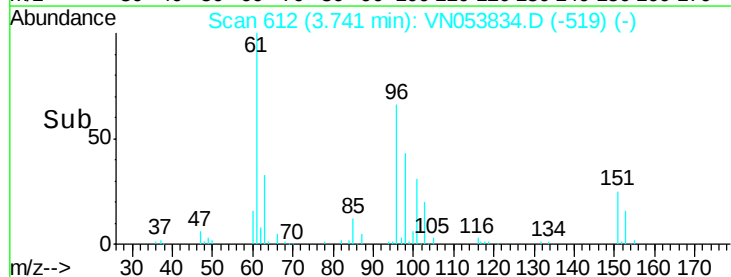
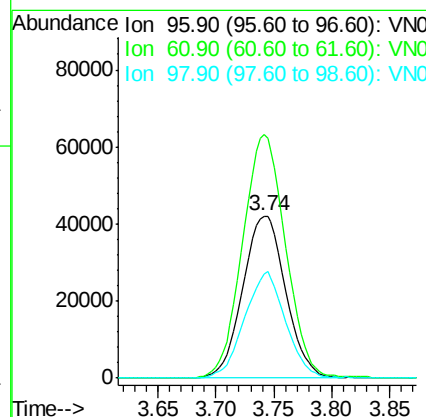
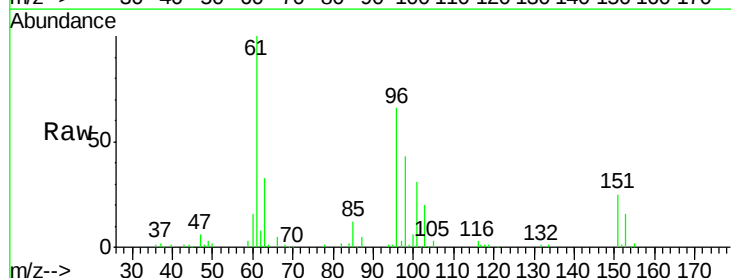
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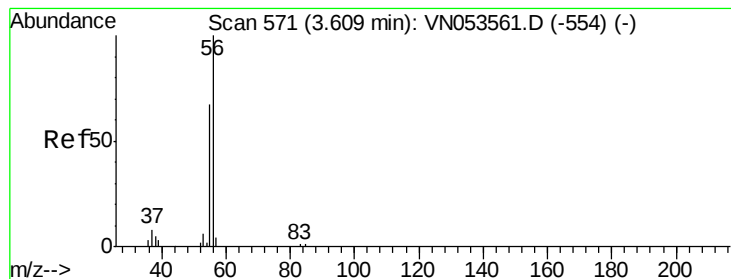
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.066 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion: 96 Resp: 108238
Ion Ratio Lower Upper
96 100
61 150.5 122.9 184.3
98 64.7 49.4 74.0





#13

Acrolein

Concen: 41.025 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 56 Resp: 7358

Ion Ratio Lower Upper

56 100

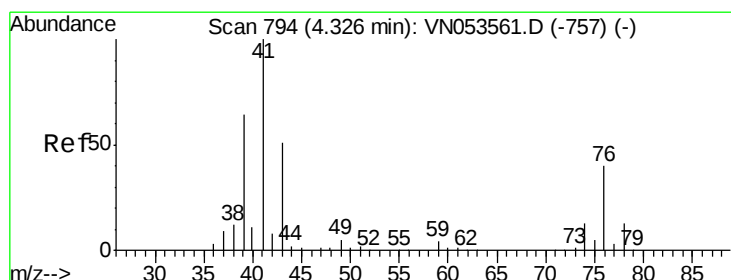
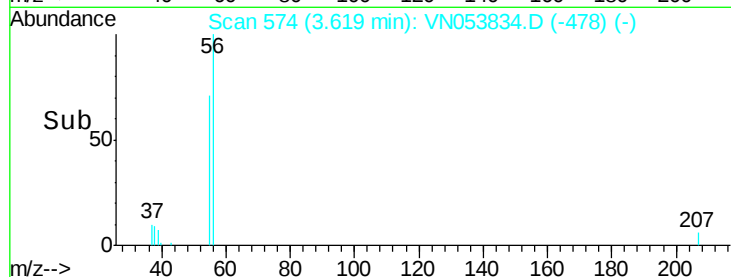
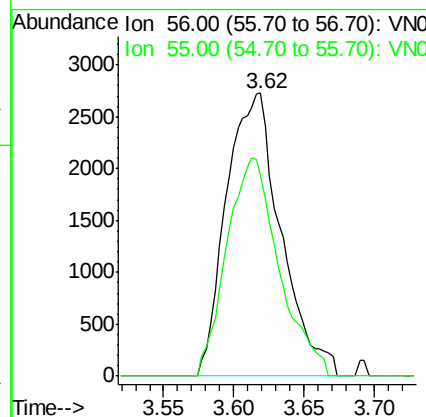
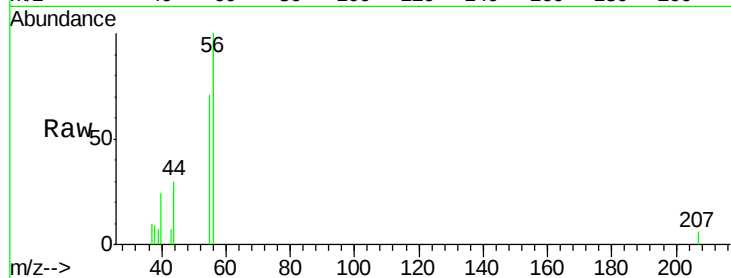
55 73.7 57.4 86.0

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#14

Allyl chloride

Concen: 21.159 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

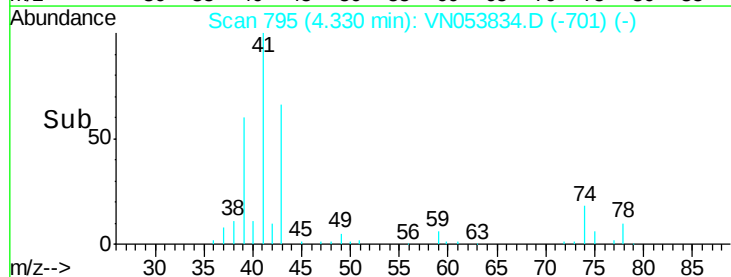
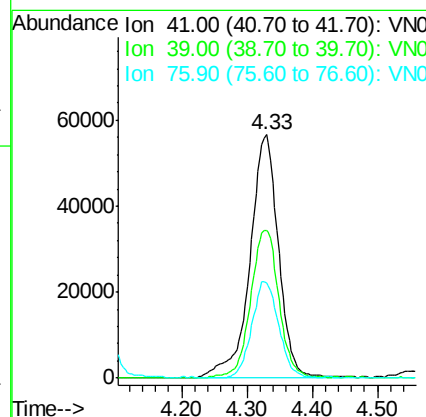
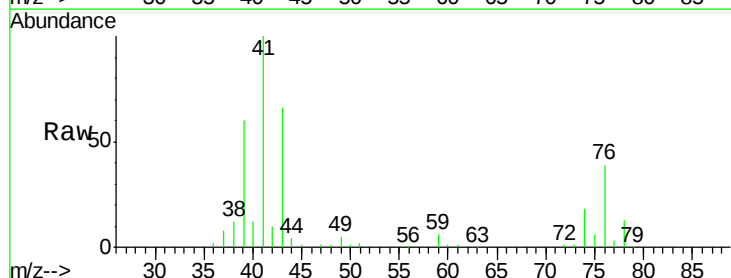
Tgt Ion: 41 Resp: 173100

Ion Ratio Lower Upper

41 100

39 60.1 48.9 73.3

76 37.4 29.4 44.2





#15

Acrylonitrile

Concen: 112.242 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

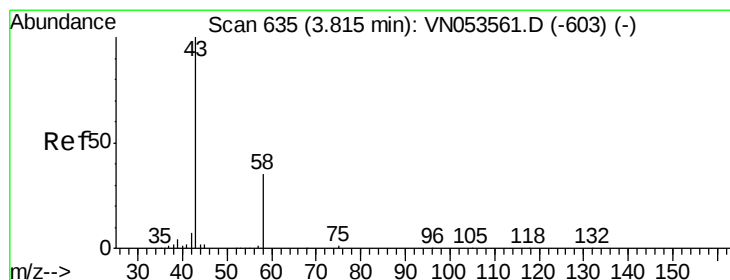
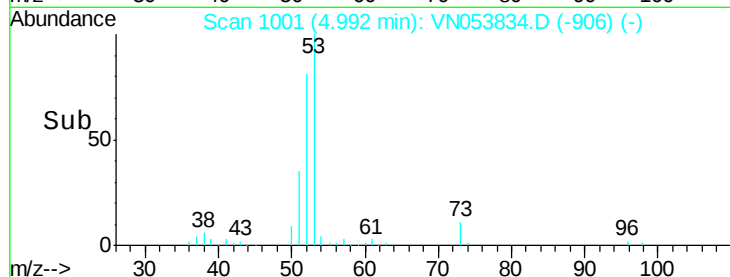
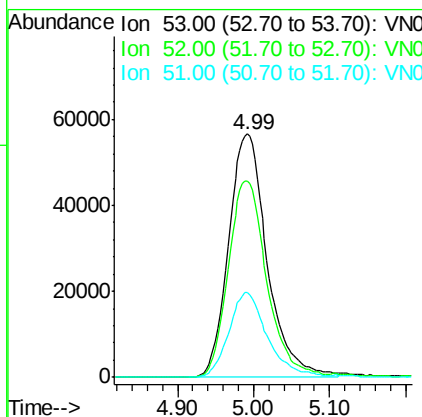
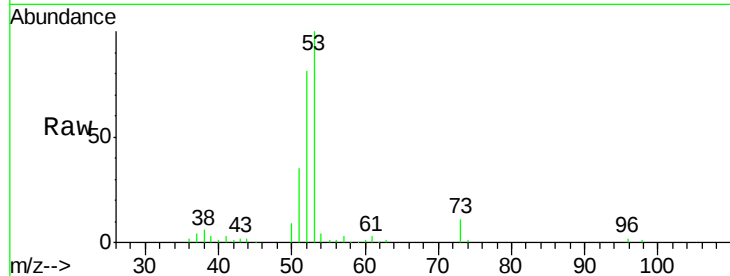
ClientSampleId :

VN0218WBS01

Tot Ion:	53	Resp:	199608
Ion Ratio	Lower	Upper	
53	100		
52	80.6	66.0	99.0
51	34.9	28.3	42.5

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#16

Acetone

Concen: 122.400 ug/l

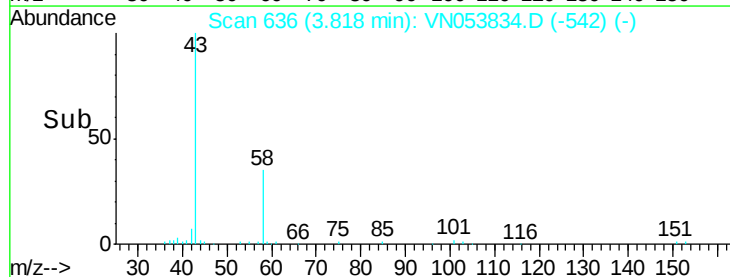
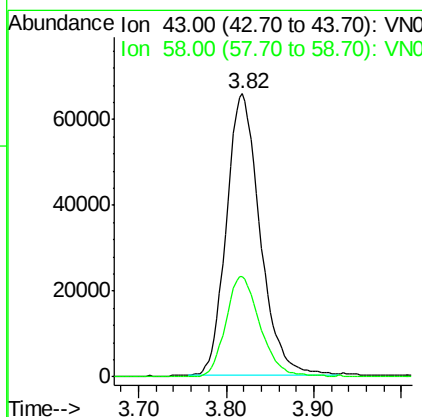
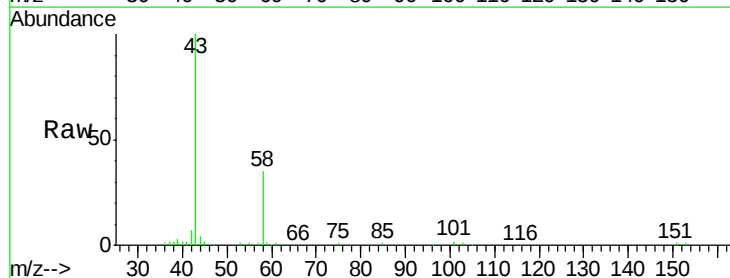
RT: 3.82 min Scan# 636

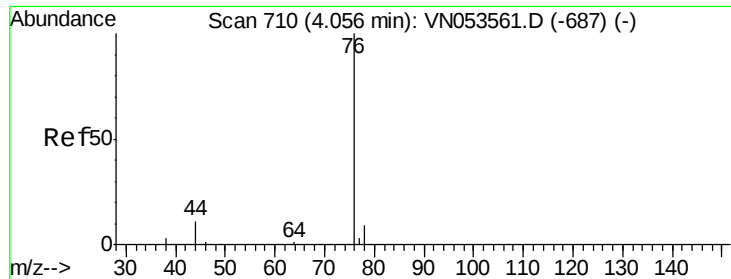
Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Tgt Ion:	43	Resp:	174756
Ion Ratio	Lower	Upper	
43	100		
58	35.3	27.1	40.7





#17

Carbon Disulfide

Concen: 17.760 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 76 Resp: 284136

Ion Ratio Lower Upper

76 100

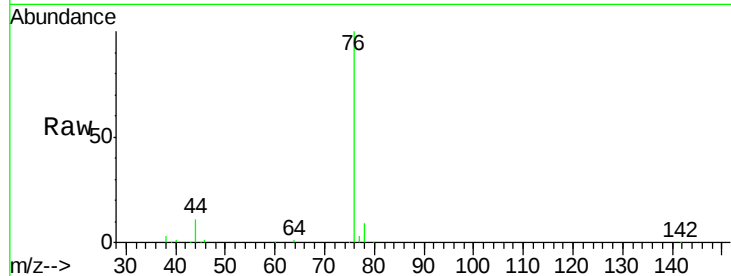
78 8.9 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

120000

100000

80000

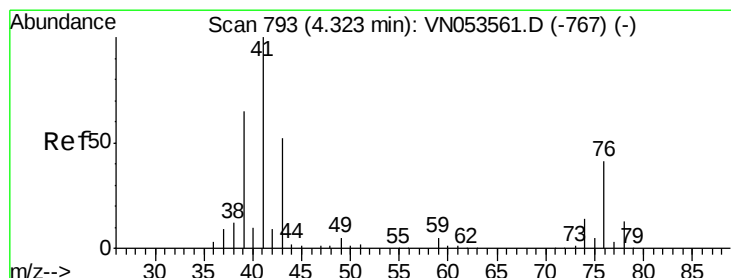
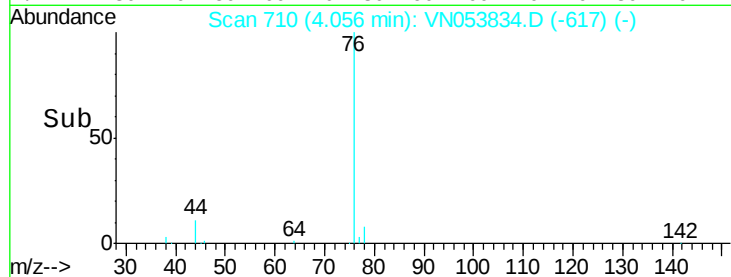
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 27.297 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053834.D

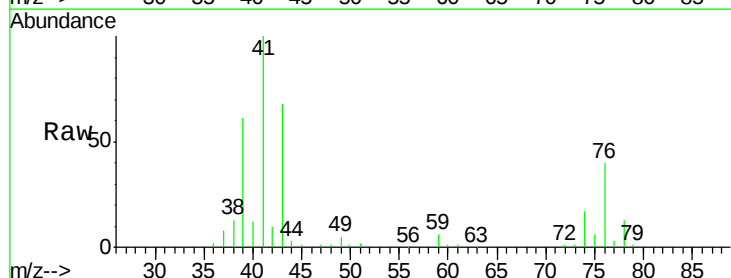
Acq: 18 Feb 2019 11:11

Tgt Ion: 43 Resp: 115420

Ion Ratio Lower Upper

43 100

74 25.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

40000

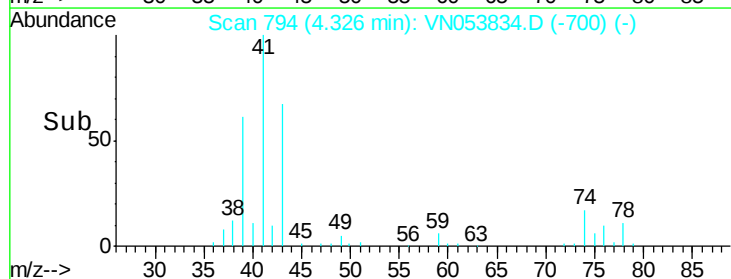
30000

20000

10000

0

Time-->





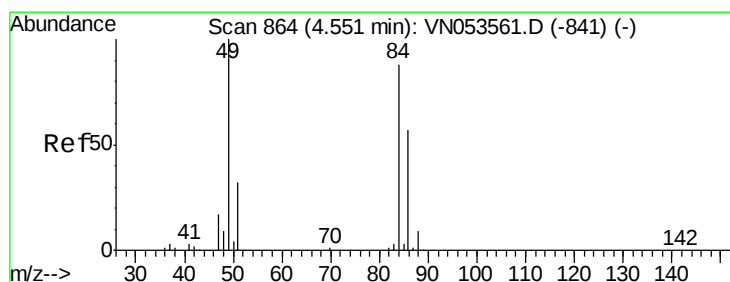
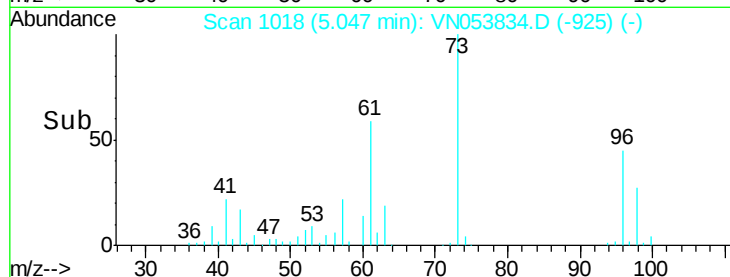
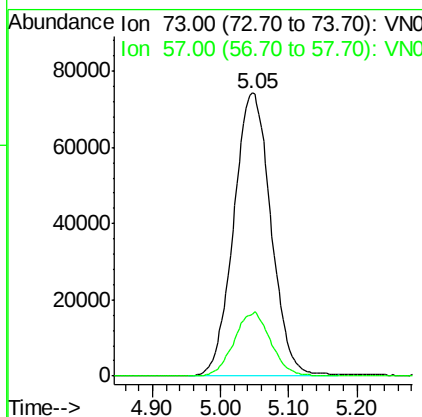
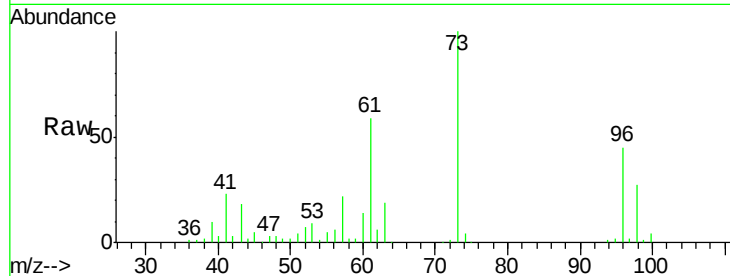
#19
Methvl tert-butvl Ether
Concen: 21.634 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion: 73 Resp: 281787
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5

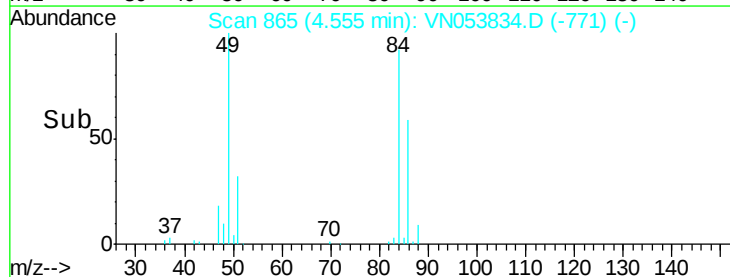
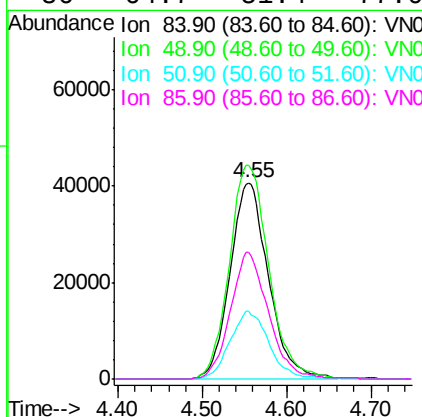
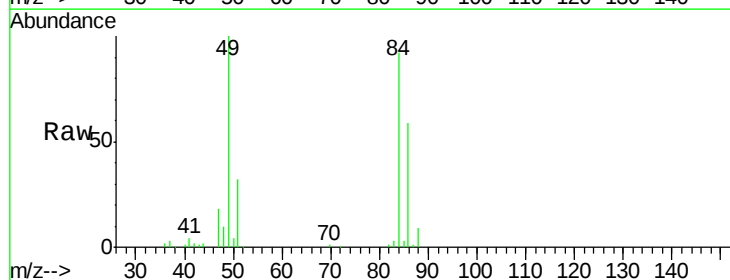
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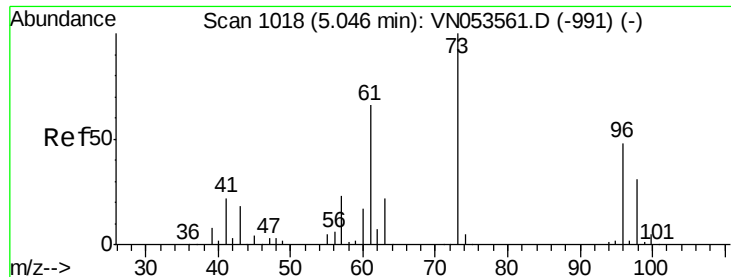
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#20
Methylene Chloride
Concen: 21.523 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion: 84 Resp: 128923
Ion Ratio Lower Upper
84 100
49 108.7 94.3 141.5
51 34.5 29.4 44.2
86 64.7 51.4 77.0





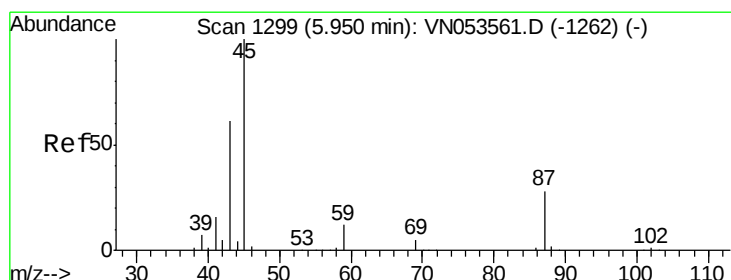
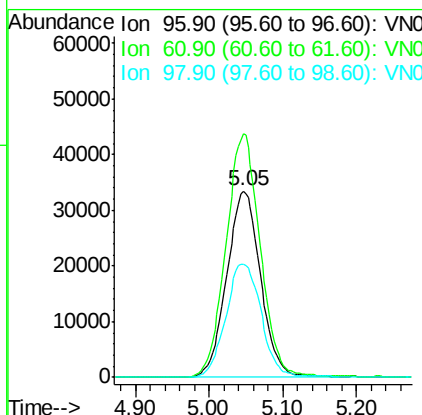
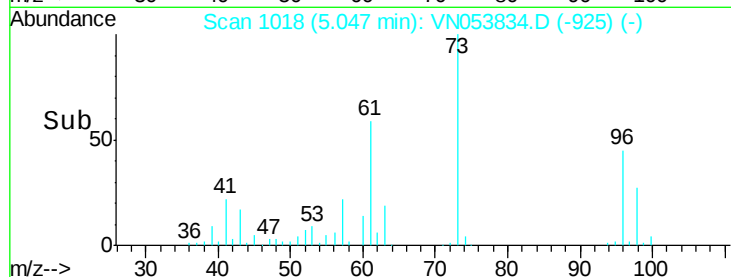
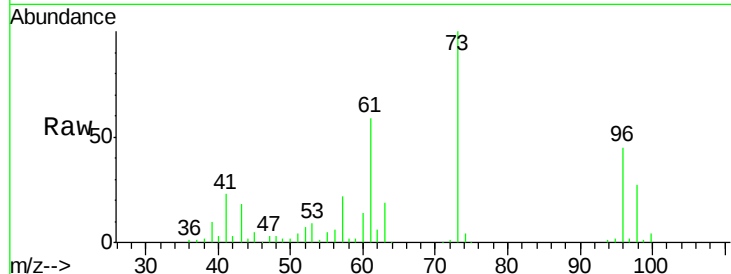
#21
trans-1,2-Dichloroethene
Concen: 19.259 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	110.1	165.1
98	60.4	50.0	75.0

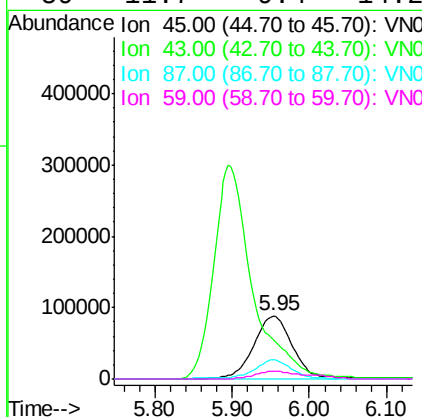
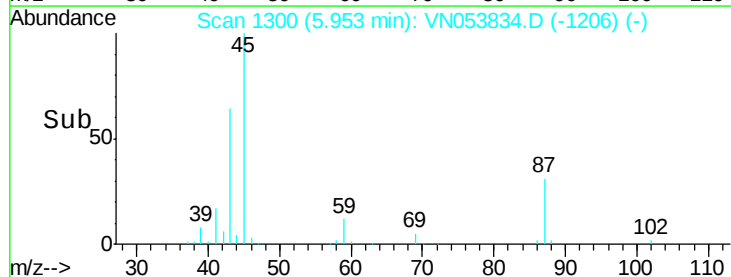
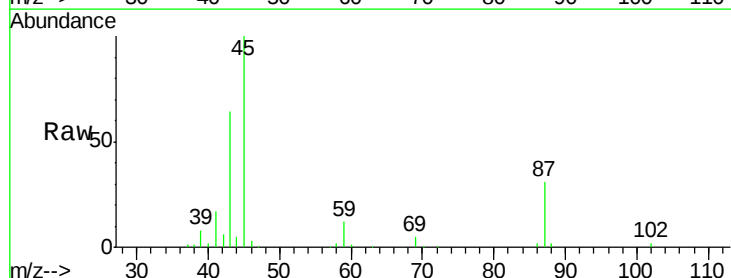
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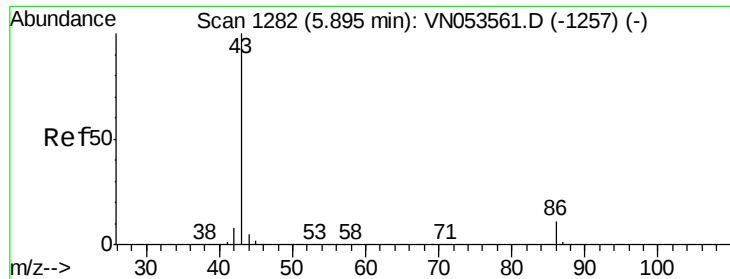
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#22
Diisopropyl ether
Concen: 20.305 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	44.2	66.4
87	30.3	22.7	34.1
59	11.7	9.4	14.2





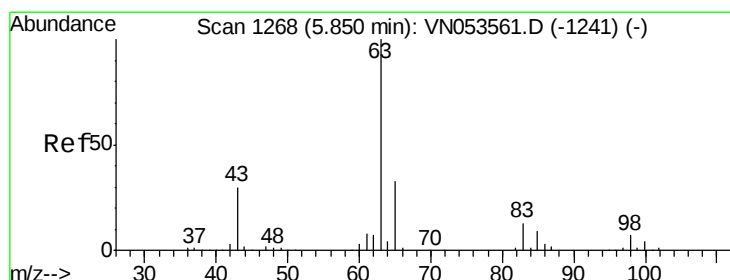
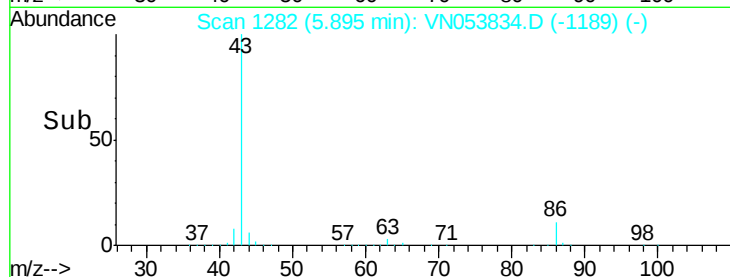
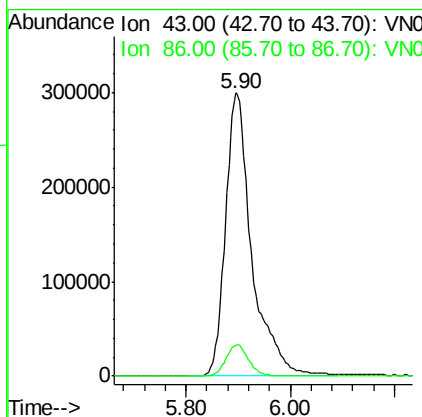
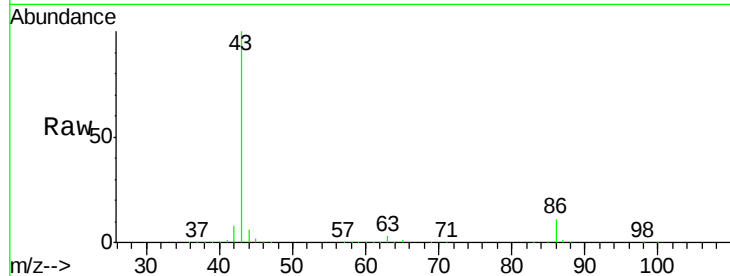
#23
 Vinyl Acetate
 Concen: 100.398 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion: 43 Resp: 1052809
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.4 12.6

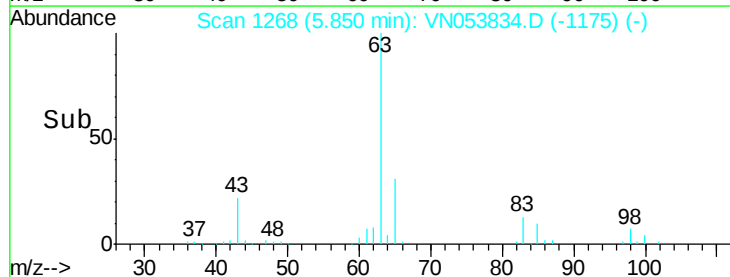
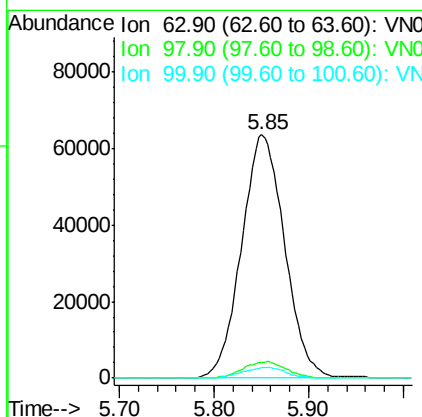
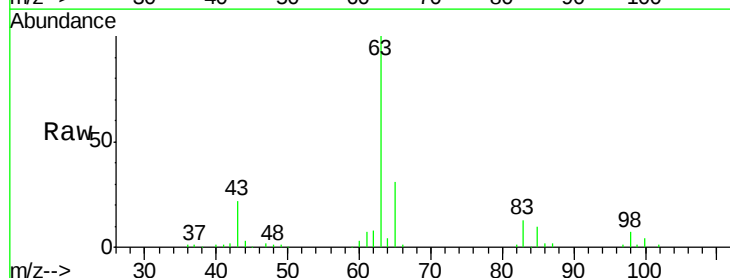
Manual Integrations
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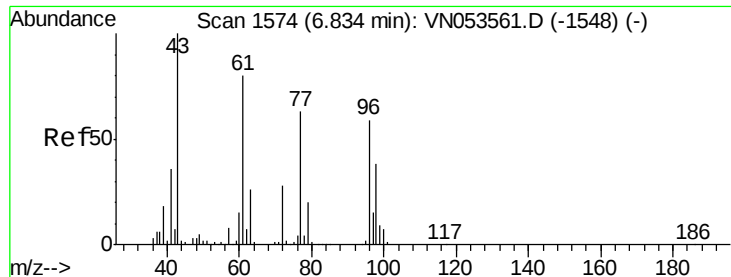
MMDadoda
 2/19/2019 12:31:16 PM



#24
 1,1-Dichloroethane
 Concen: 19.881 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Tgt Ion: 63 Resp: 201007
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 110.076 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 43 Resp: 224144

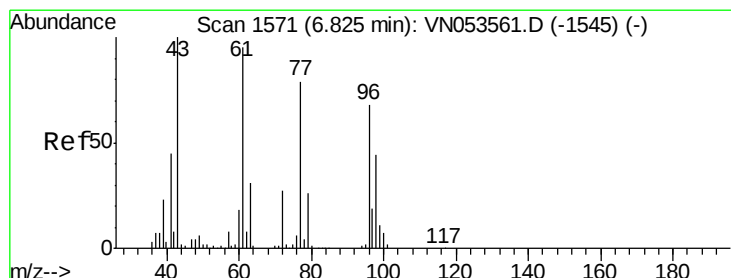
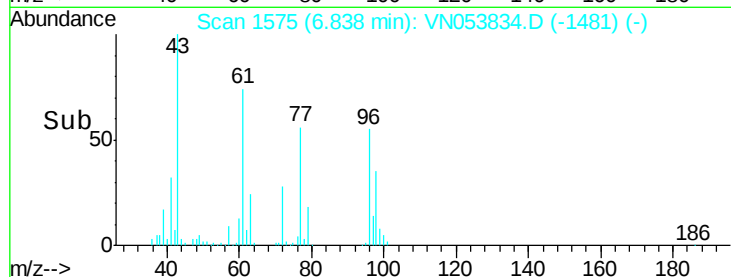
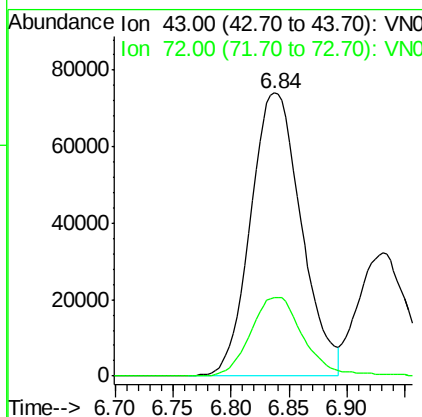
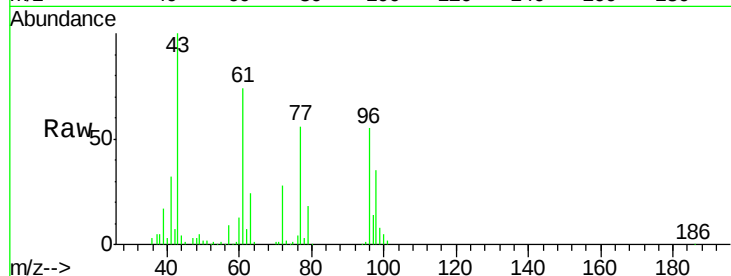
Ion Ratio Lower Upper

43 100

72 27.7 22.0 33.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.678 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053834.D

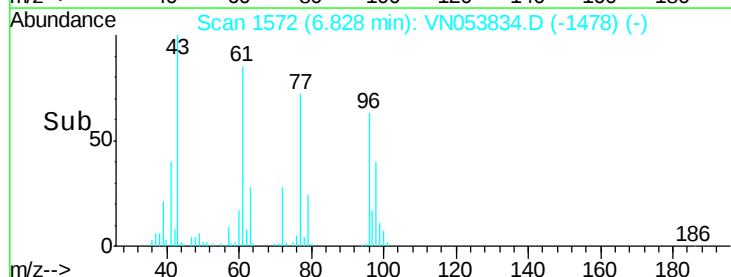
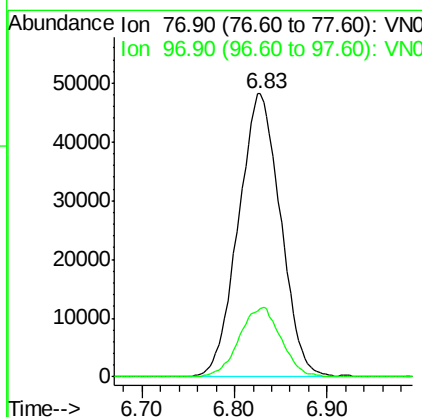
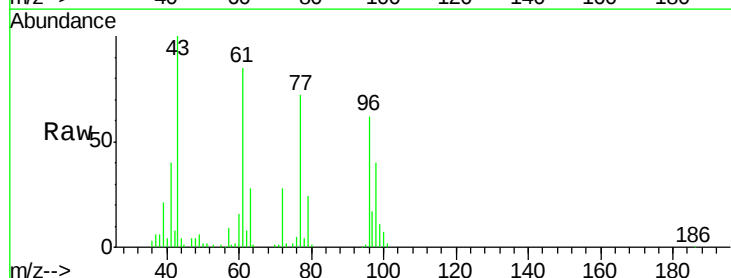
Acq: 18 Feb 2019 11:11

Tgt Ion: 77 Resp: 151873

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.540 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

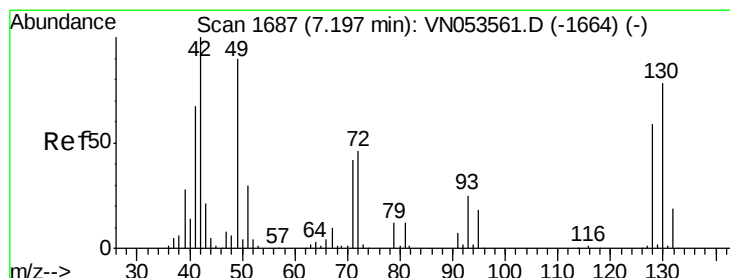
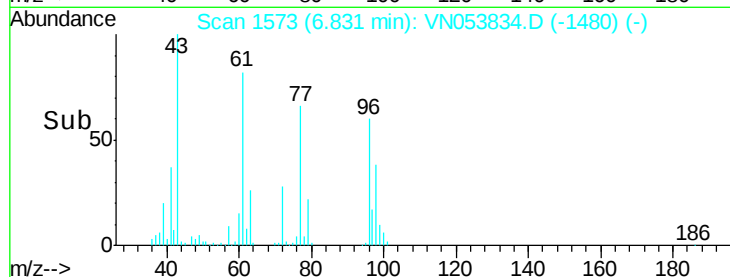
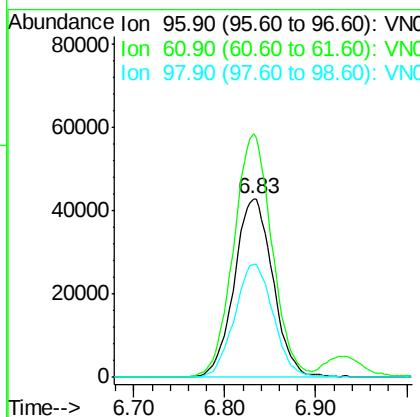
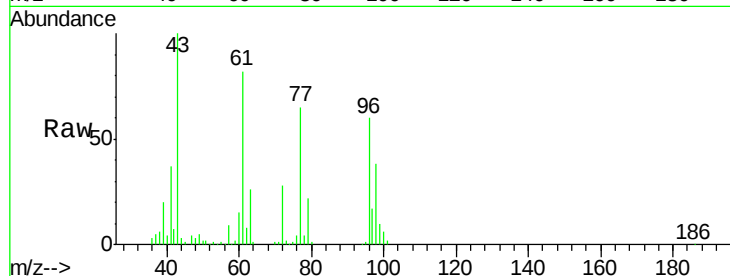
ClientSampleId :

VN0218WBS01

Tot Ion:	96	Resp:	126603
Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	283.8
98	63.2	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 18.027 ug/l

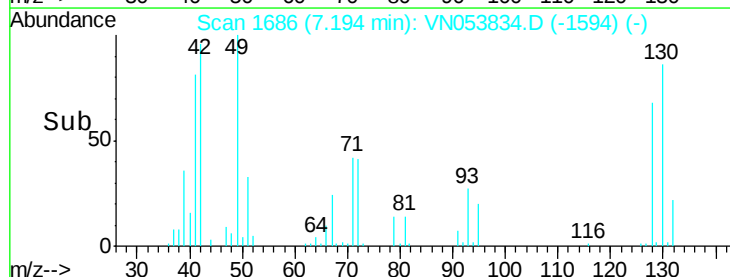
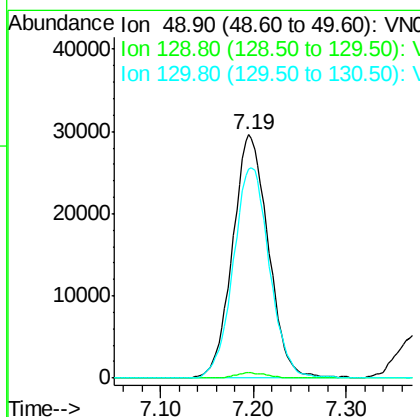
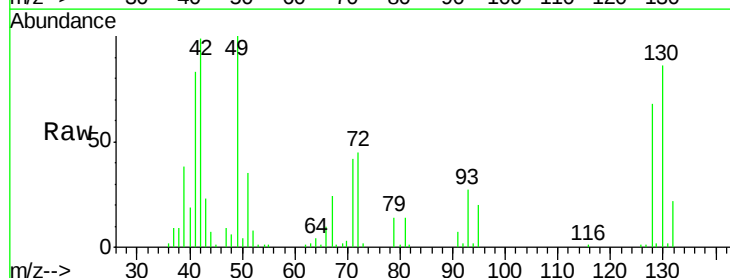
RT: 7.19 min Scan# 1686

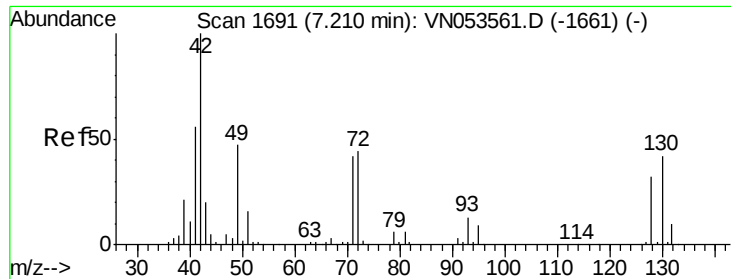
Delta R.T. -0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Tgt Ion:	49	Resp:	79096
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	87.4	66.3	99.5





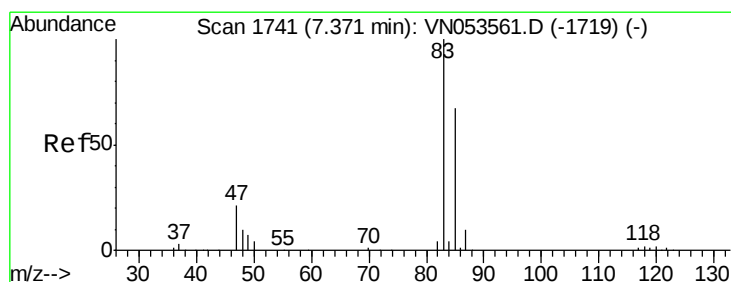
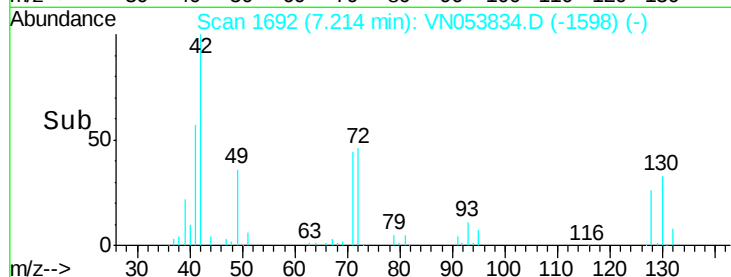
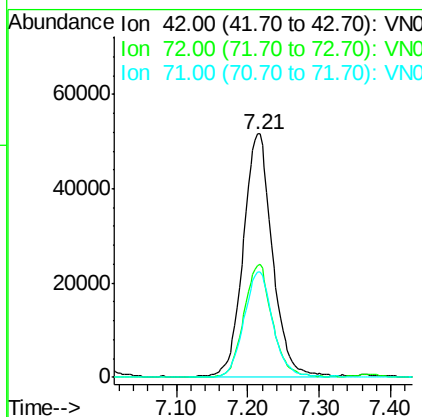
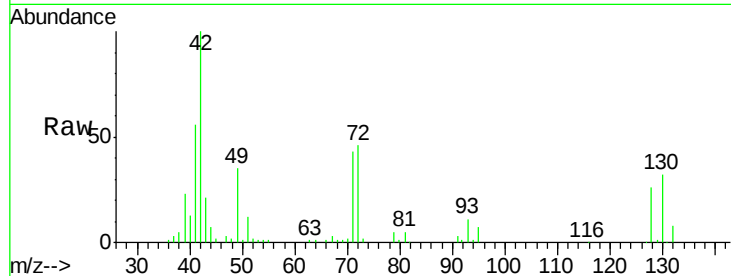
#29
Tetrahydrofuran
Concen: 111.693 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.2	52.8
71	43.4	33.0	49.4

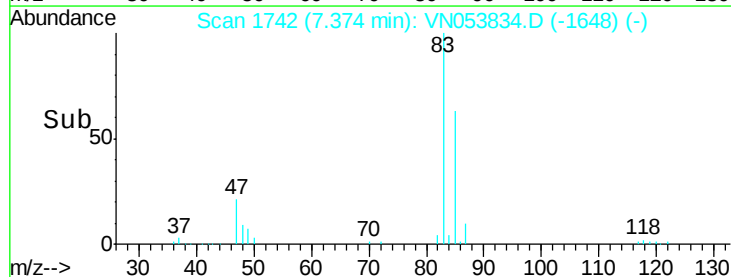
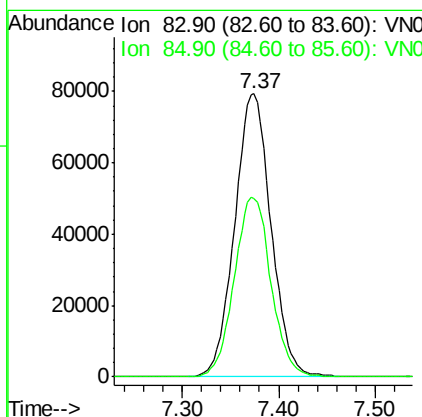
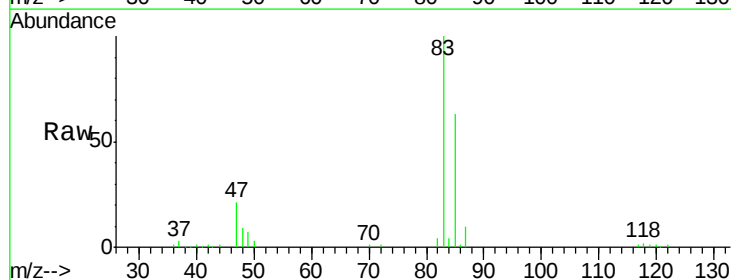
Manual Integrations
APPROVED

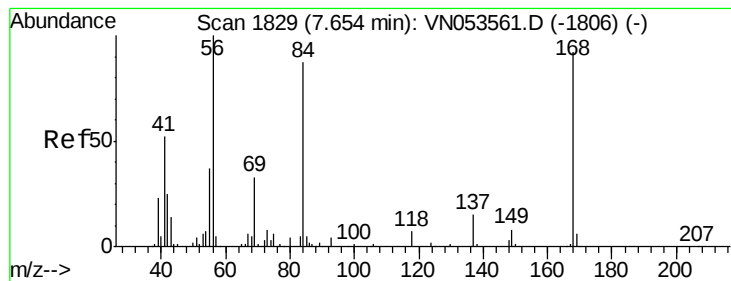
MMDadoda
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#30
Chloroform
Concen: 20.673 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.2





#31

Cyclohexane

Concen: 18.130 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

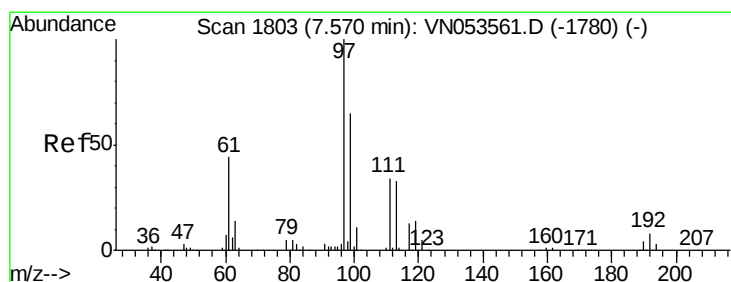
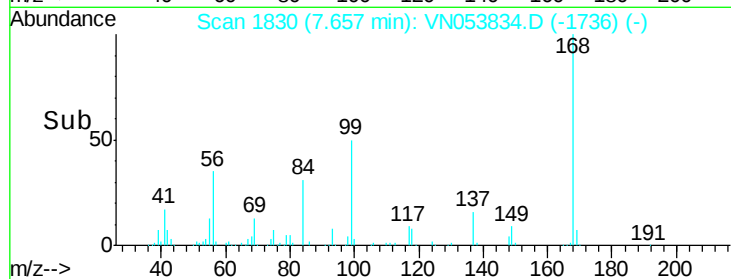
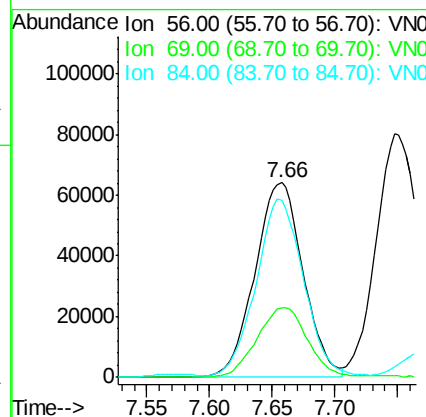
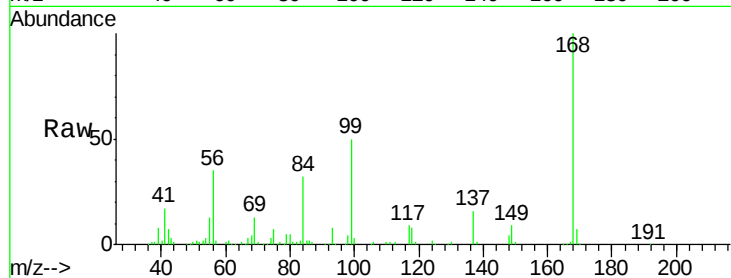
ClientSampleId :

VN0218WBS01

Tot Ion:	56	Resp:	171680
Ion	Ratio	Lower	Upper
56	100		
69	35.8	26.4	39.6
84	89.9	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.661 ug/l

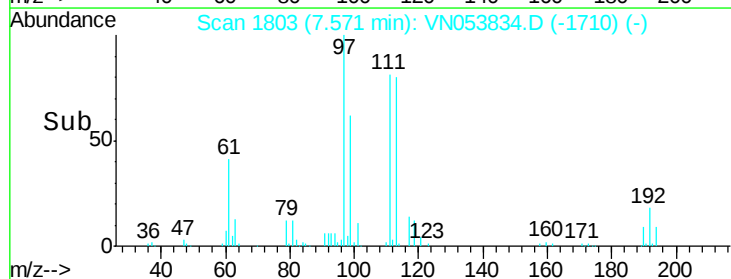
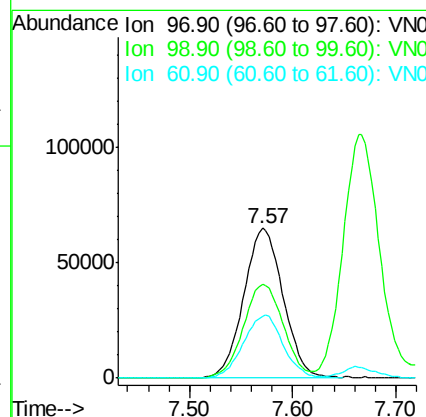
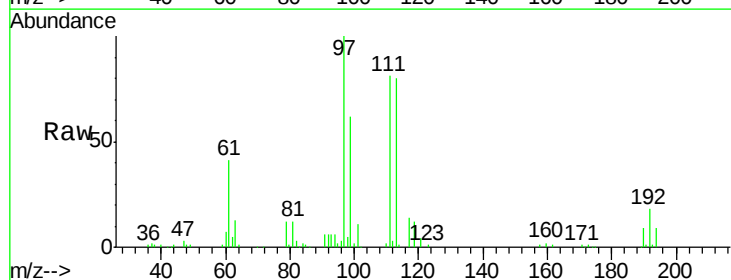
RT: 7.57 min Scan# 1803

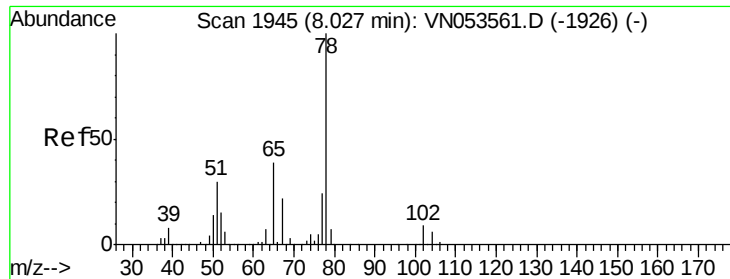
Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Tgt Ion:	97	Resp:	172334
Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.0	78.0
61	41.9	34.4	51.6





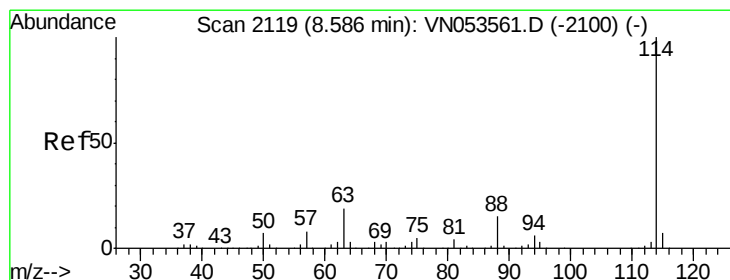
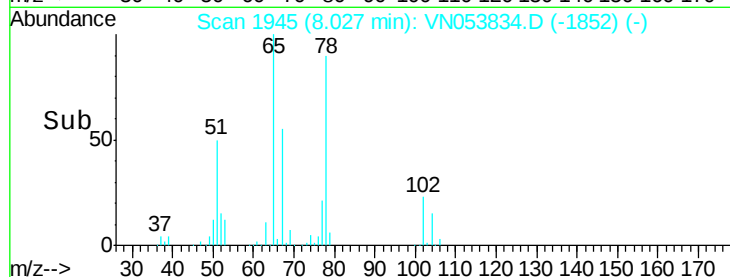
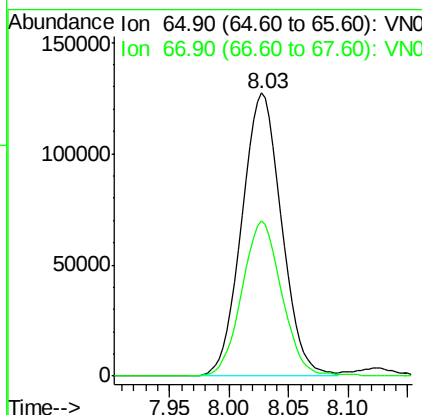
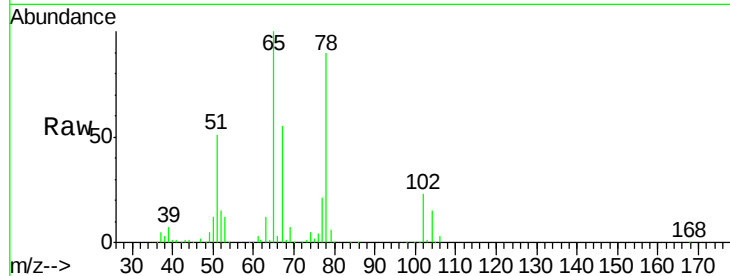
#33
 1,2-Dichloroethane-d4
 Concen: 53.150 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	295841		
67	54.9	0.0	111.2	

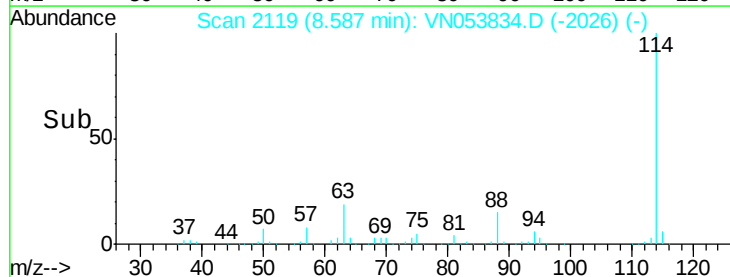
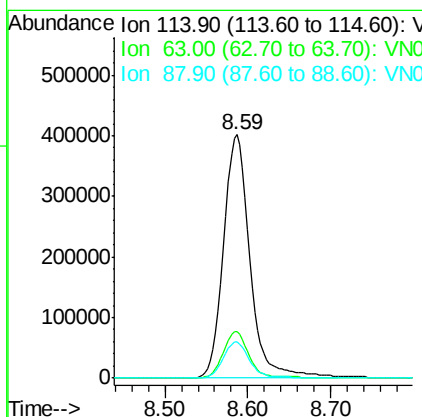
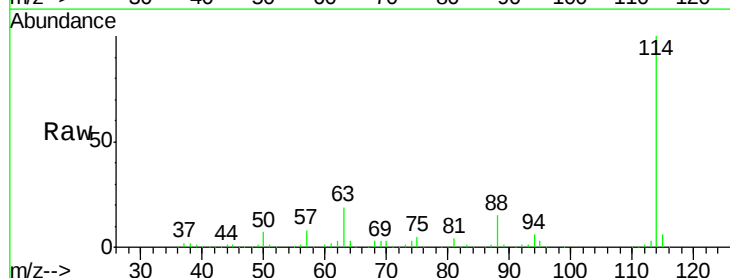
Manual Integrations
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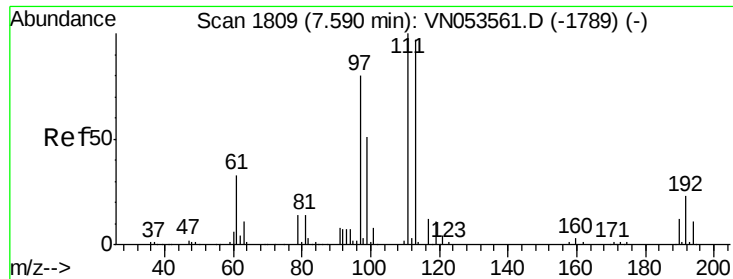
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	891155		
63	19.2	0.0	38.6	
88	14.7	0.0	30.4	





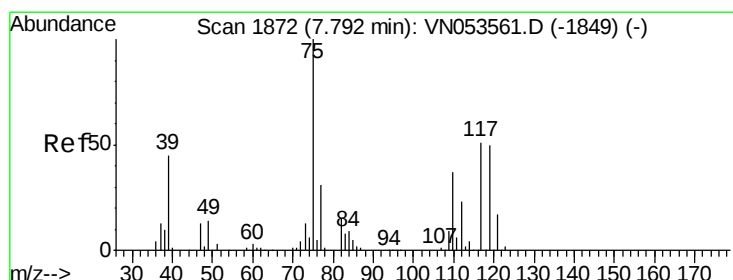
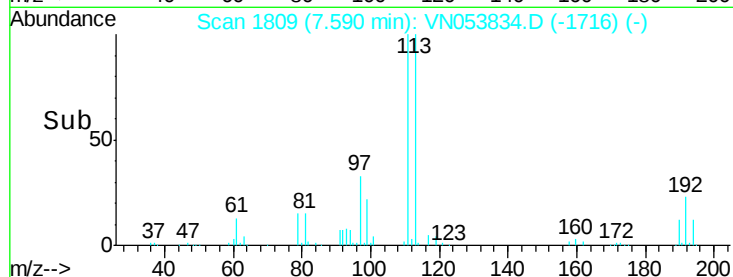
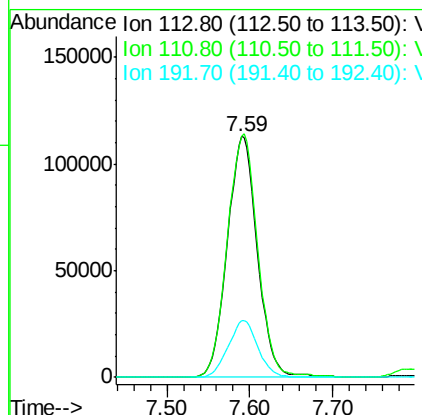
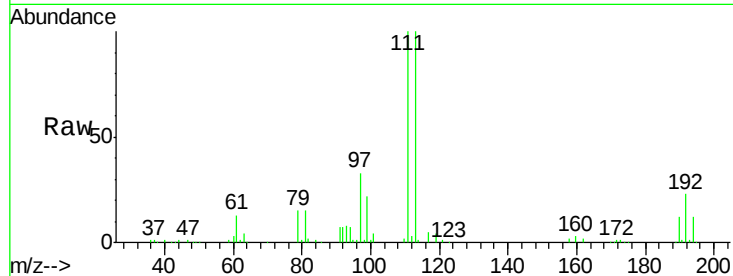
#35
Dibromofluoromethane
Concen: 50.507 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	284404		
111	102.6	81.1	121.7	
192	23.3	18.2	27.2	

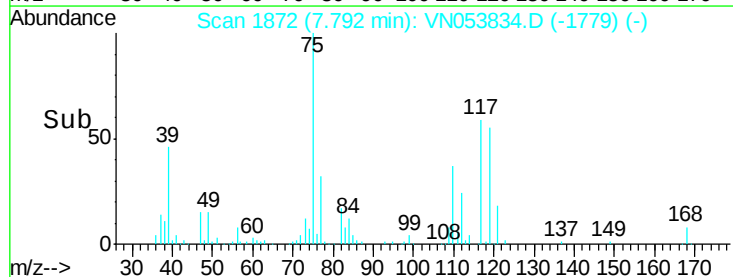
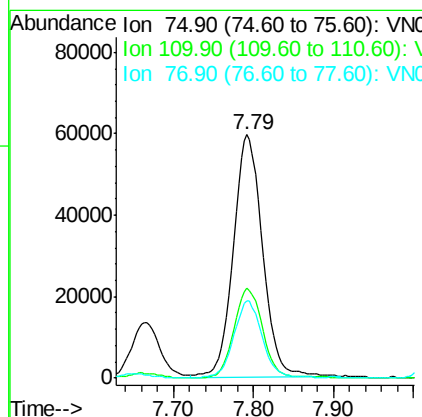
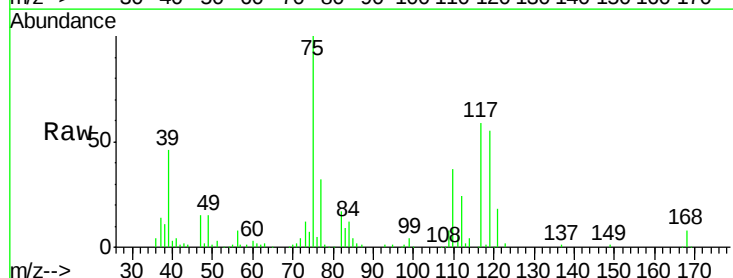
Manual Integrations
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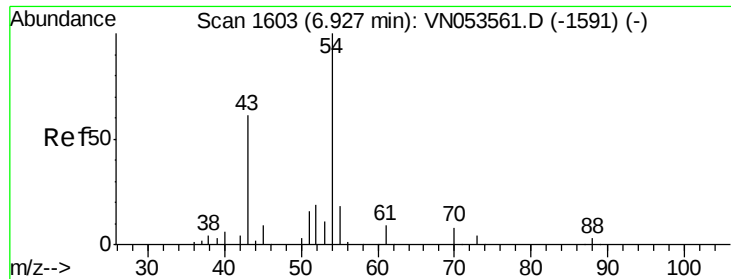
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.199 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146193		
110	36.6	18.1	54.3	
77	31.1	25.1	37.7	





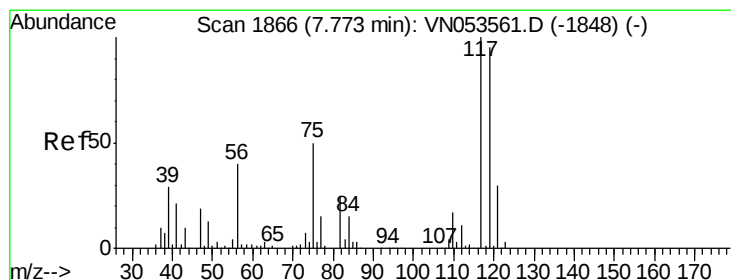
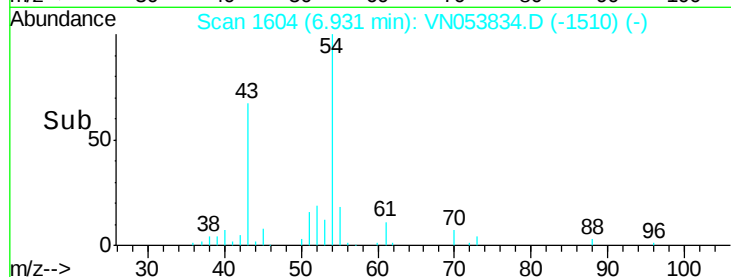
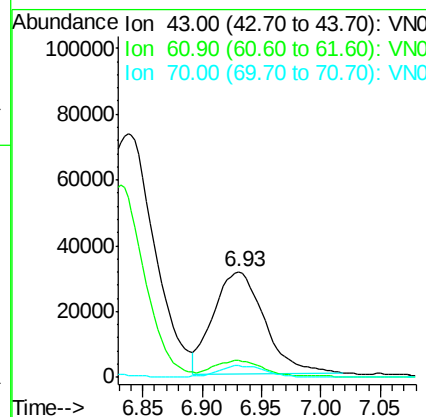
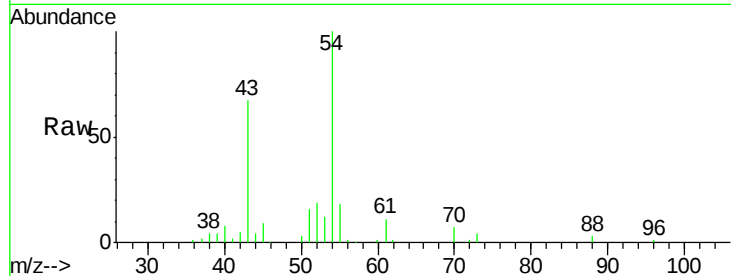
#37
Ethyl Acetate
Concen: 20.909 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.6
70	10.8	8.6	12.8

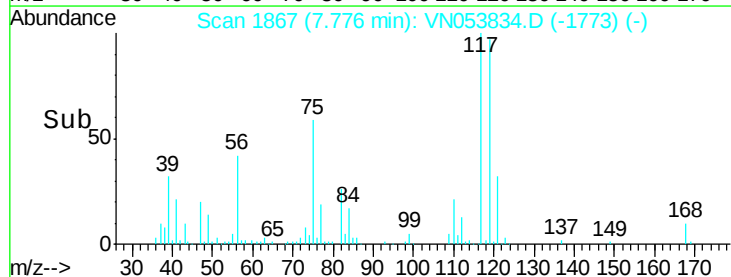
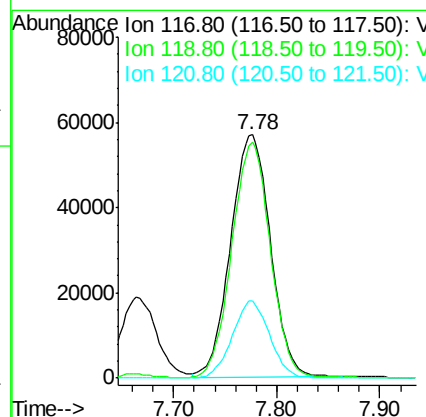
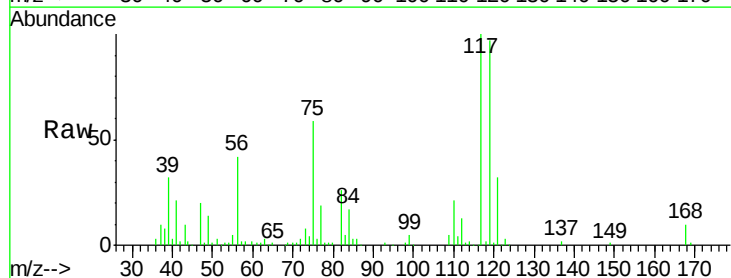
Manual Integrations
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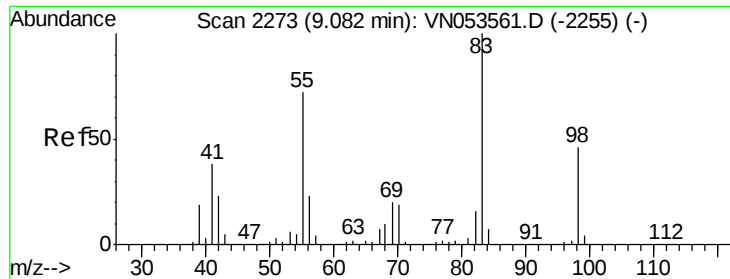
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#38
Carbon Tetrachloride
Concen: 18.775 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.2	115.8
121	31.9	24.6	37.0





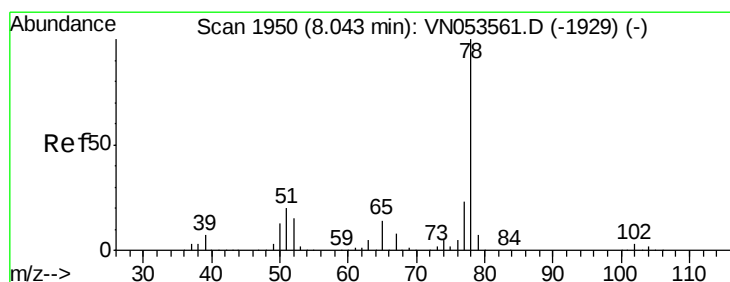
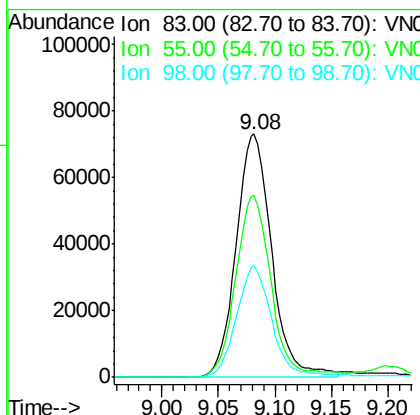
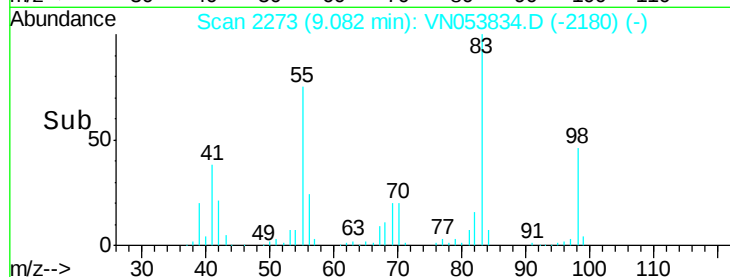
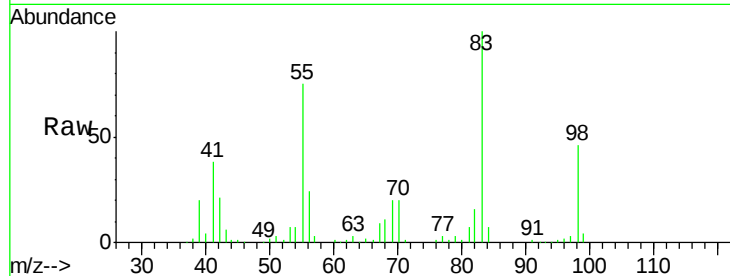
#39
Methvlcvclohexane
Concen: 16.813 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	160238		
55	74.7		60.1	90.1
98	45.9		36.6	55.0

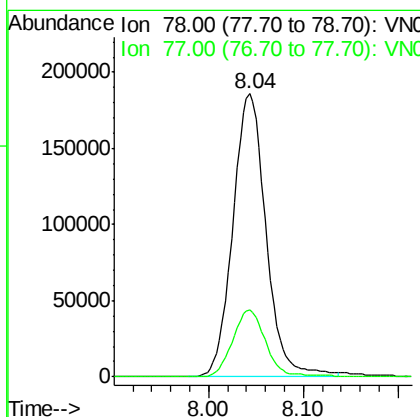
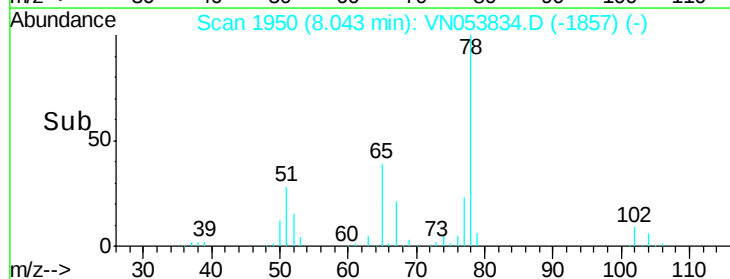
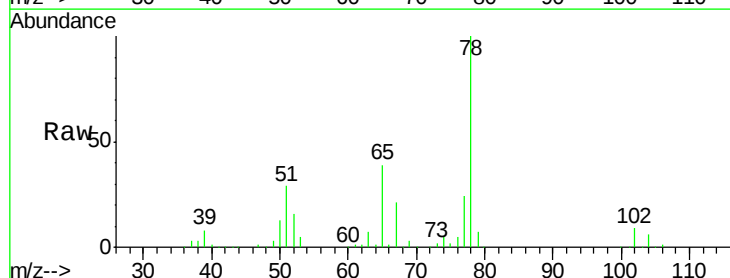
Manual Integrations
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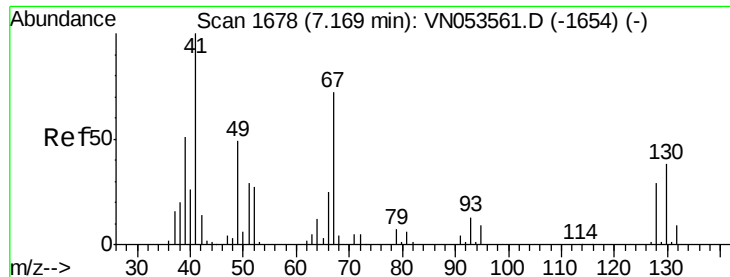
MMDadoda
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#40
Benzene
Concen: 18.343 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	454407		
77	23.5		18.8	28.2





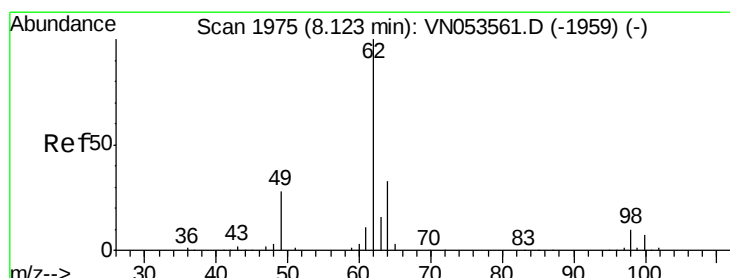
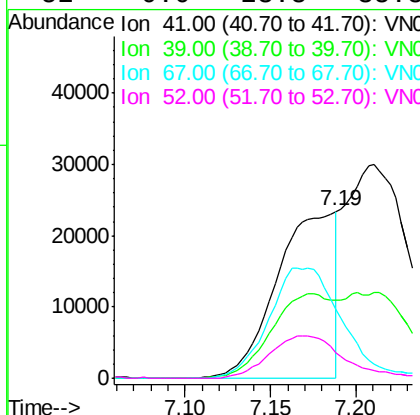
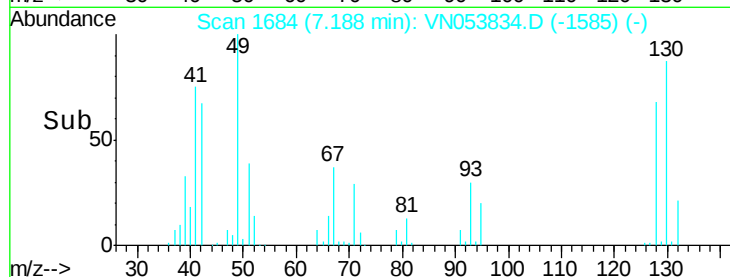
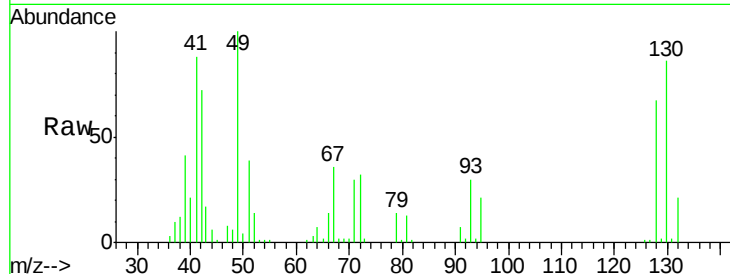
#41
Methacrylonitrile
Concen: 22.202 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.02 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.8	70.2#
67	0.0	63.0	94.6#
52	0.0	23.8	35.8#

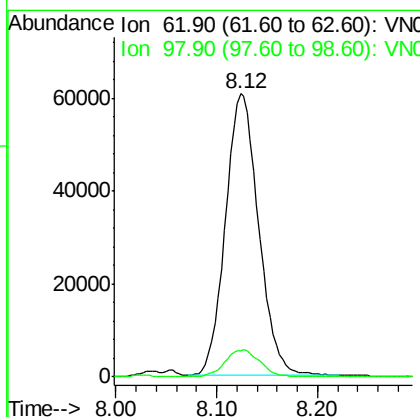
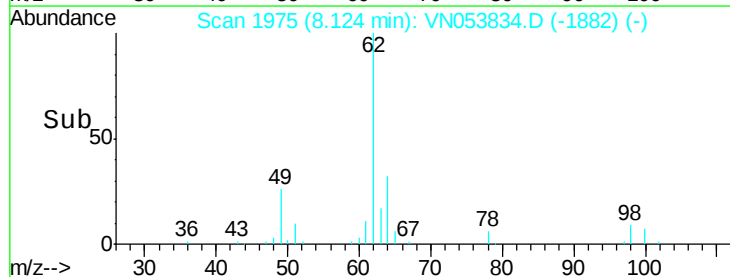
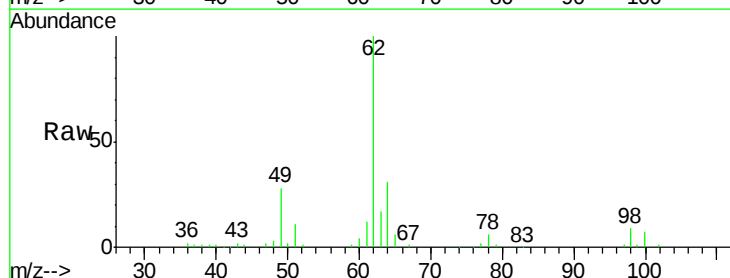
Manual Integrations
APPROVED

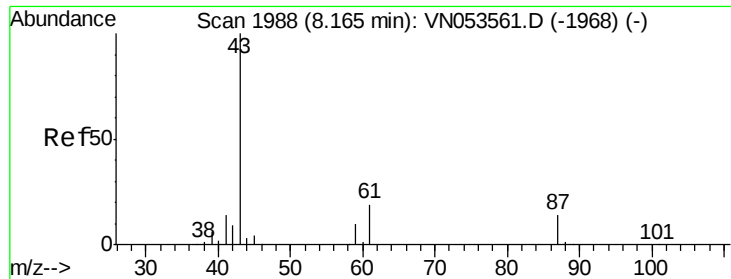
MMDadoda
2/19/2019 12:31:16 PM



#42
1,2-Dichloroethane
Concen: 18.850 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





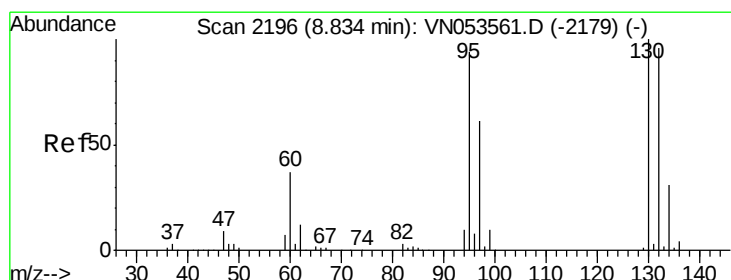
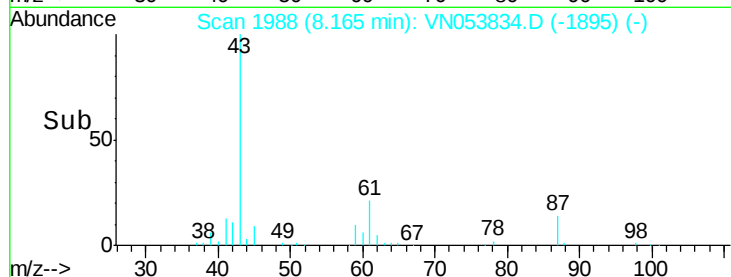
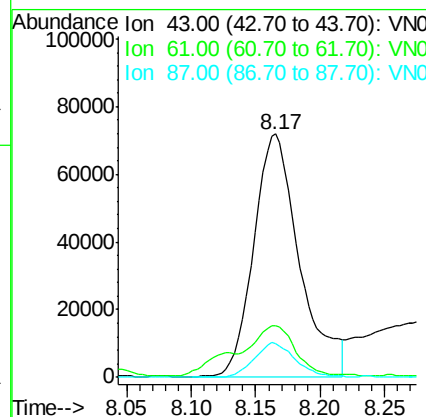
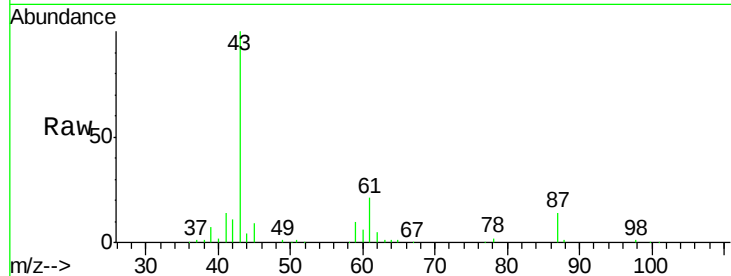
#43
Isopropyl Acetate
Concen: 20.426 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	23.9	35.9#
87	12.9	11.0	16.6

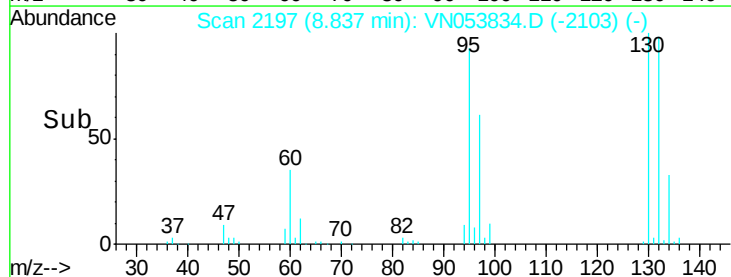
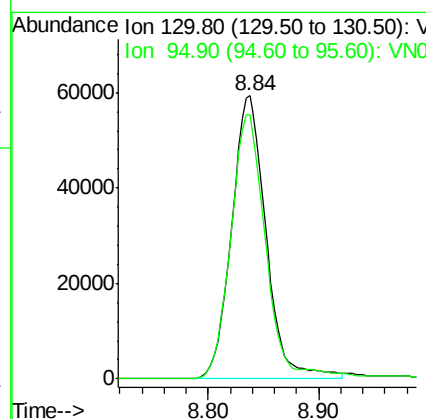
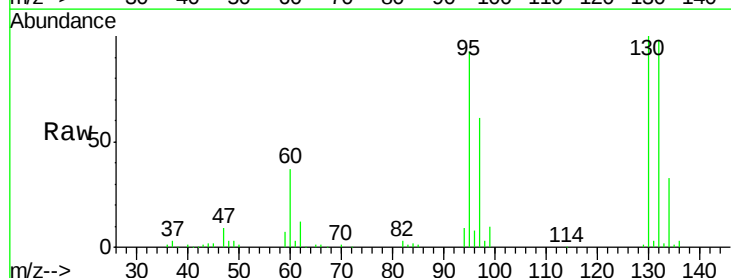
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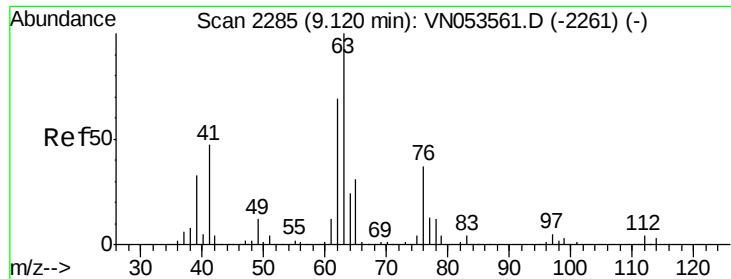
MMDadoda
2/19/2019 12:31:16 PM



#44
Trichloroethene
Concen: 18.201 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	191.4





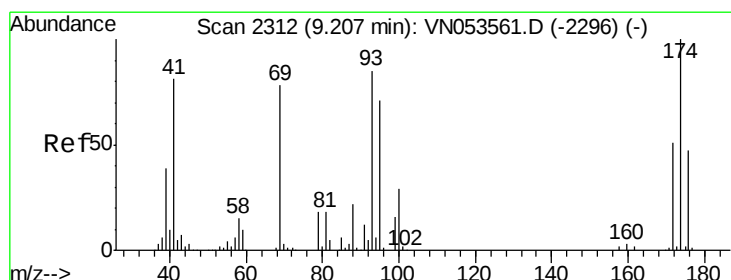
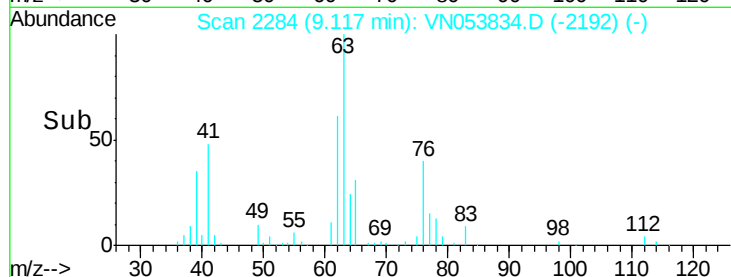
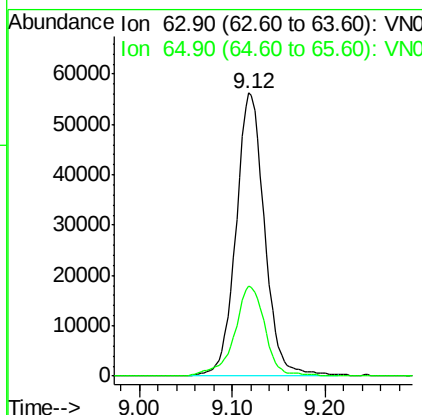
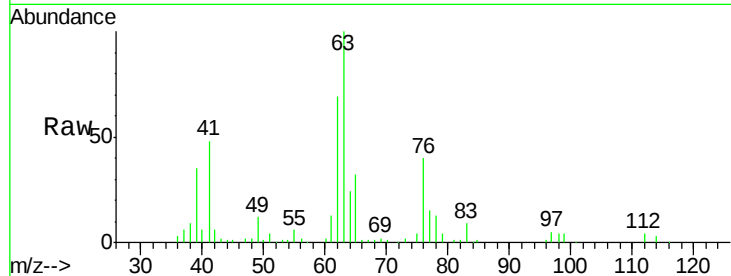
#45
 1,2-Dichloropropane
 Concen: 18.988 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion: 63 Resp: 120308
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.4

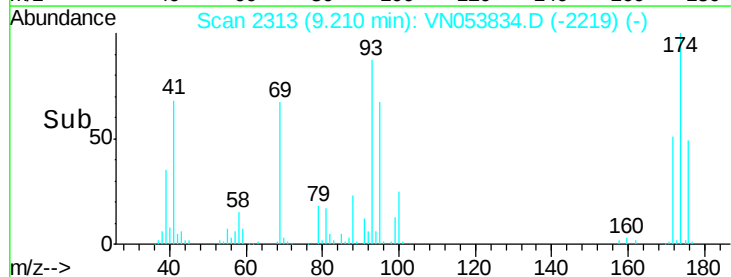
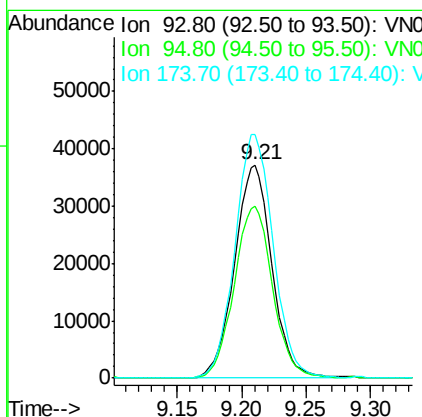
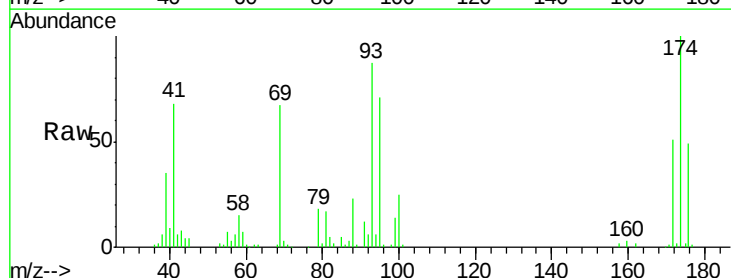
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 2/19/2019 12:31:16 PM



#46
 Dibromomethane
 Concen: 19.610 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Tgt Ion: 93 Resp: 74899
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.3 100.9
 174 117.3 91.0 136.4





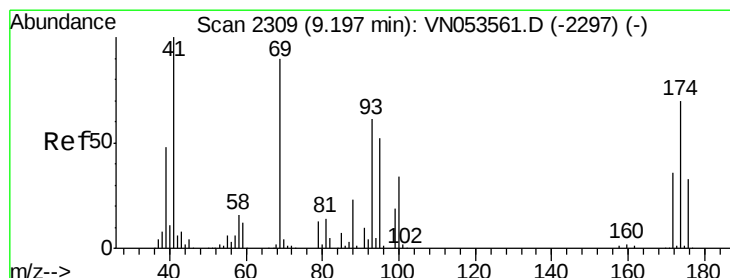
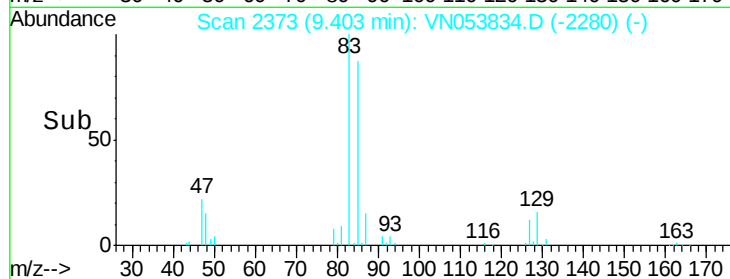
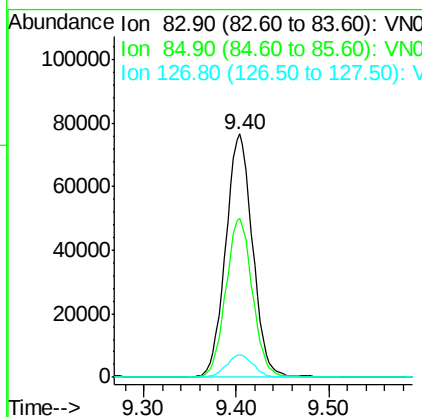
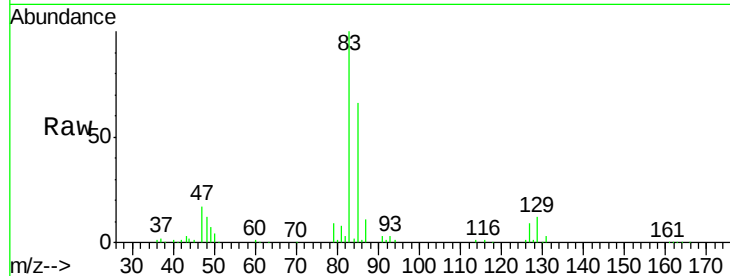
#47
Bromodichloromethane
Concen: 19.418 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	83	Resp	154210
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	51.0	76.6
127	9.3	7.0	10.6

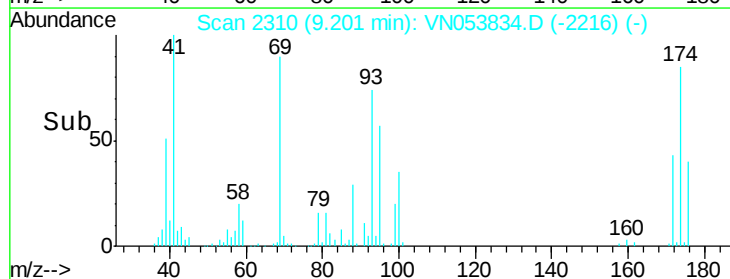
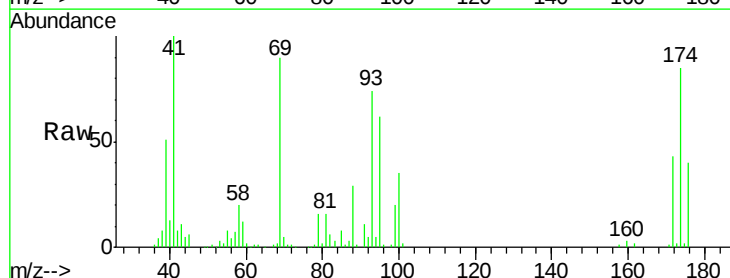
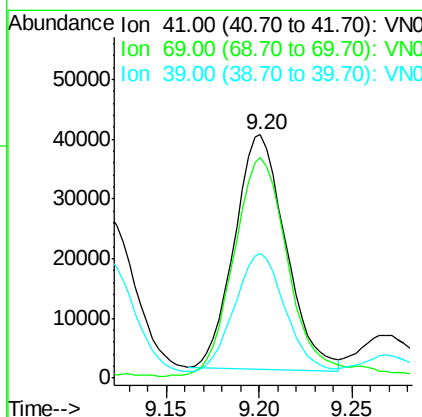
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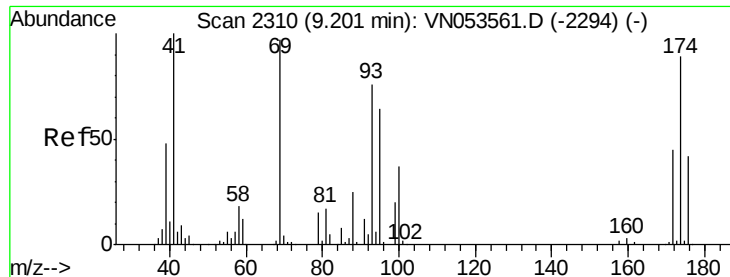
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#48
Methyl methacrylate
Concen: 18.261 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	41	Resp	75526
Ion Ratio	100	Lower	Upper
41	100		
69	97.6	73.8	110.6
39	55.1	40.0	60.0





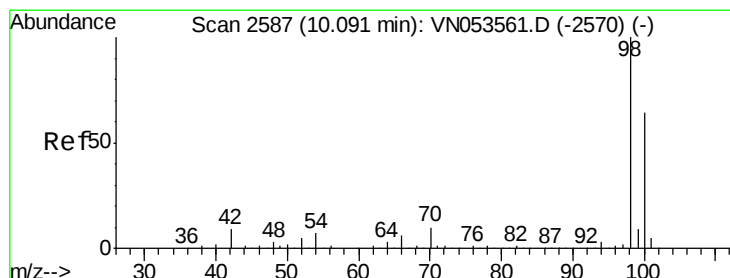
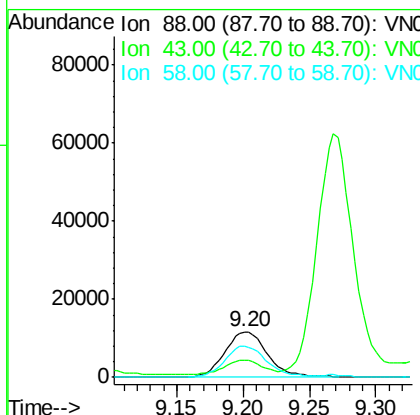
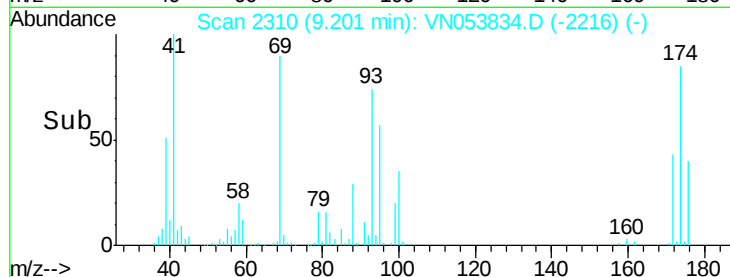
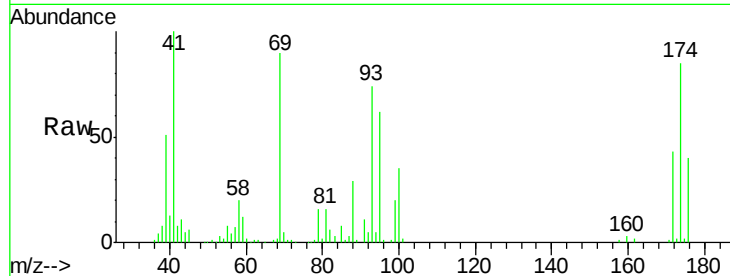
#49
1,4-Dioxane
Concen: 459.198 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.5	27.8	41.6#
58	67.6	56.5	84.7

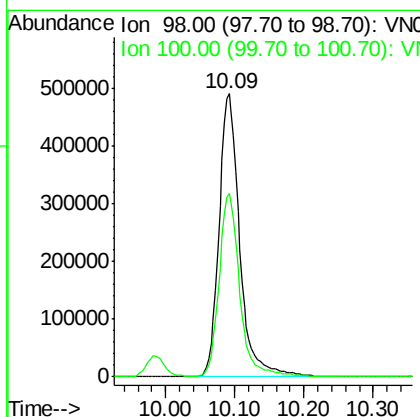
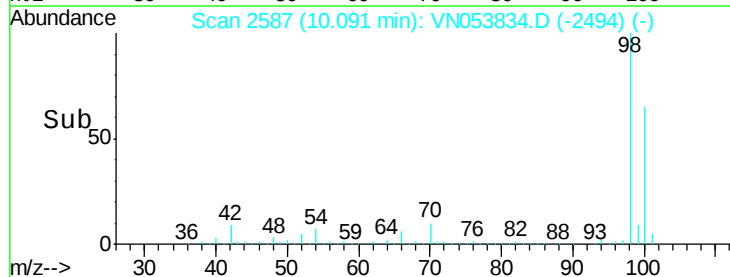
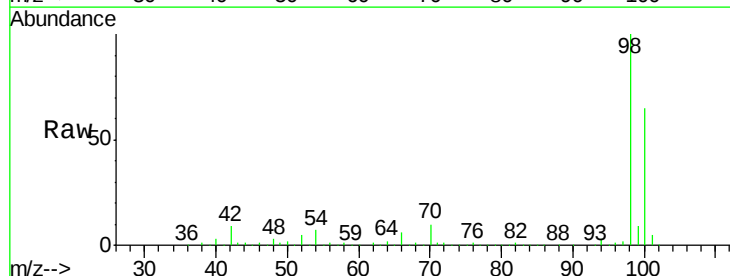
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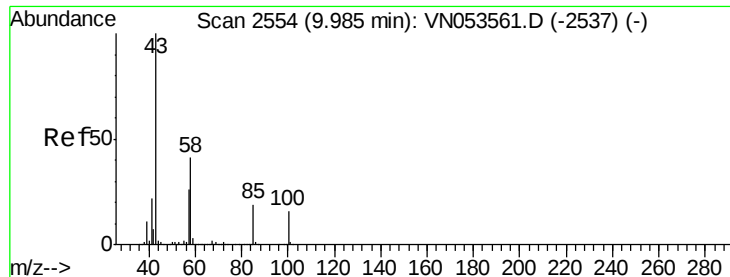
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#50
Toluene-d8
Concen: 48.167 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.0





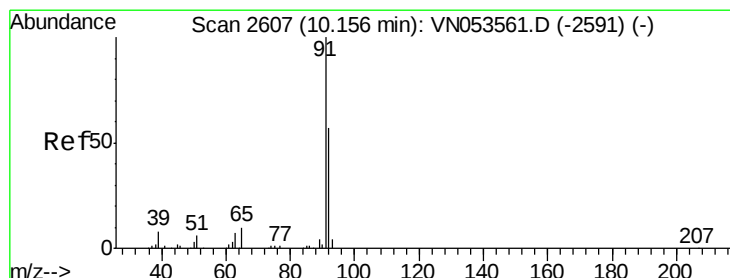
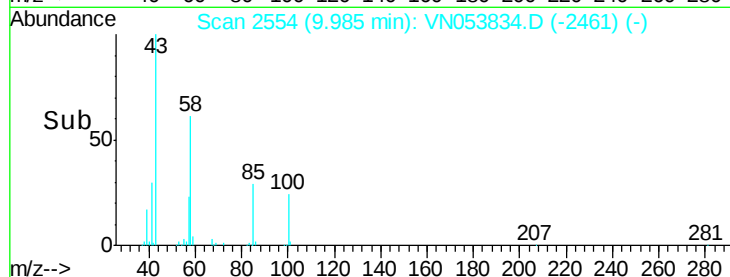
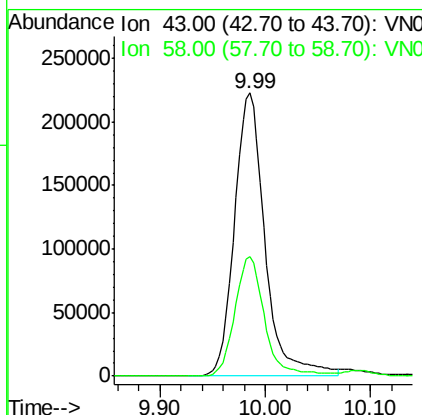
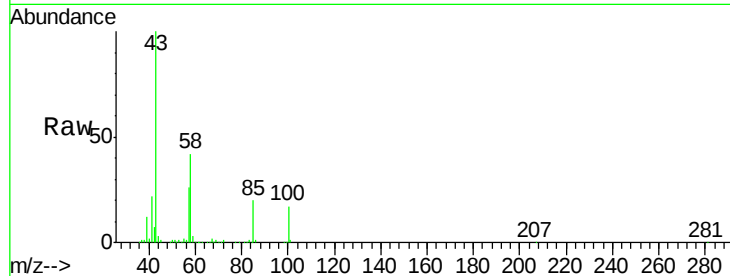
#51
4-Methyl-2-Pentanone
Concen: 103.994 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion: 43 Resp: 442783
Ion Ratio Lower Upper
43 100
58 41.4 32.8 49.2

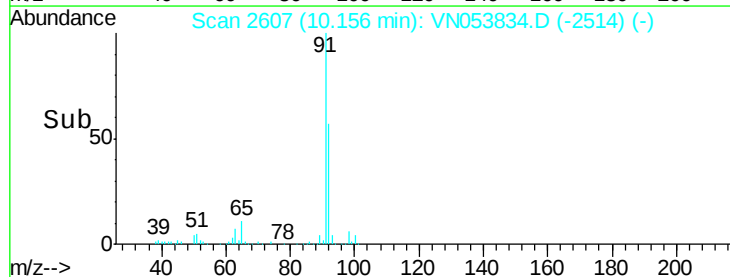
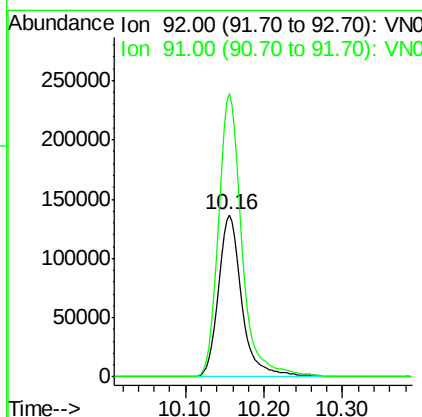
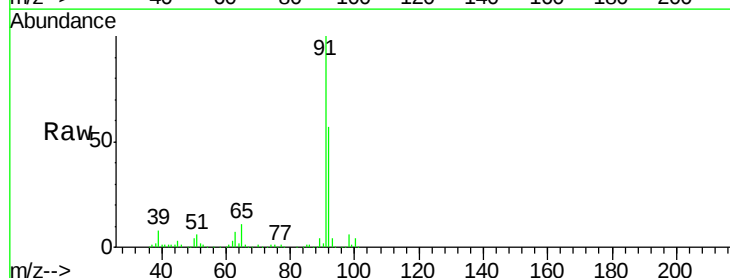
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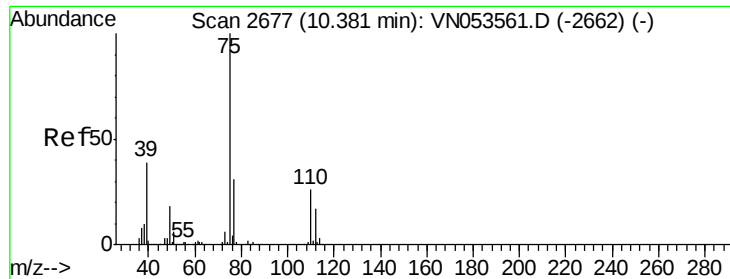
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#52
Toluene
Concen: 19.052 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion: 92 Resp: 280106
Ion Ratio Lower Upper
92 100
91 174.8 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.860 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 75 Resp: 149978

Ion Ratio Lower Upper

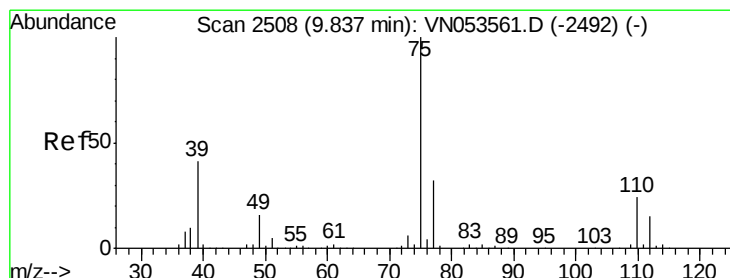
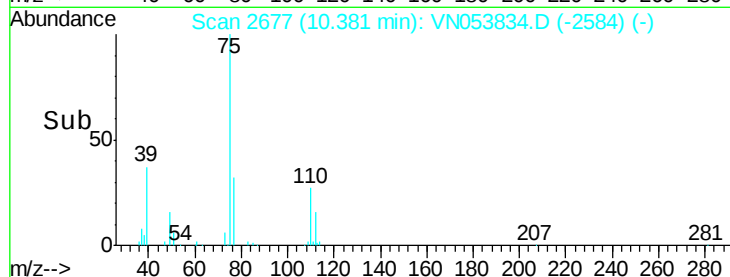
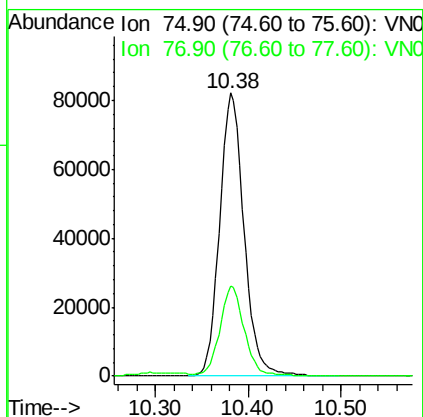
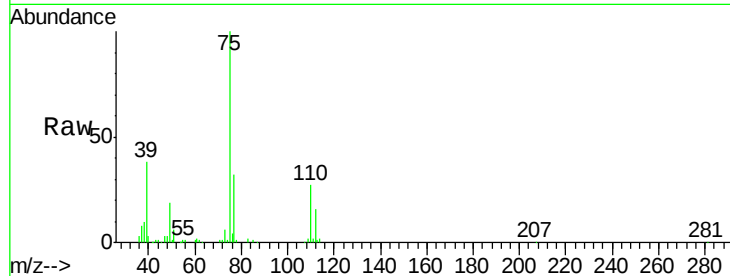
75 100

77 32.0 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 18.962 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

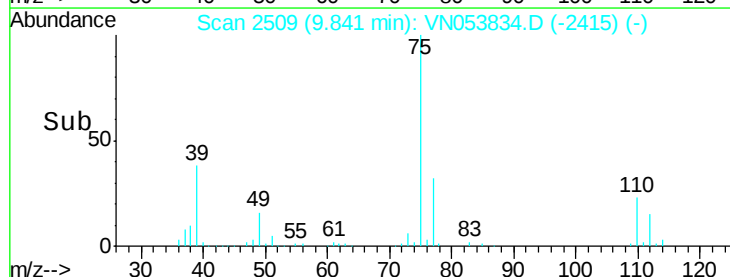
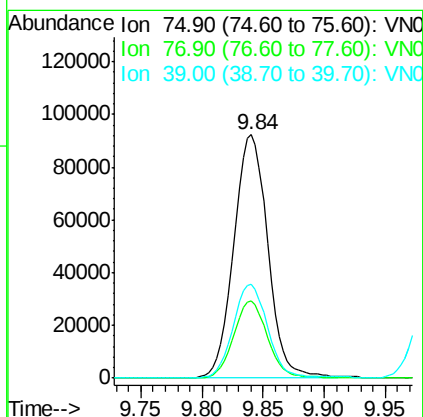
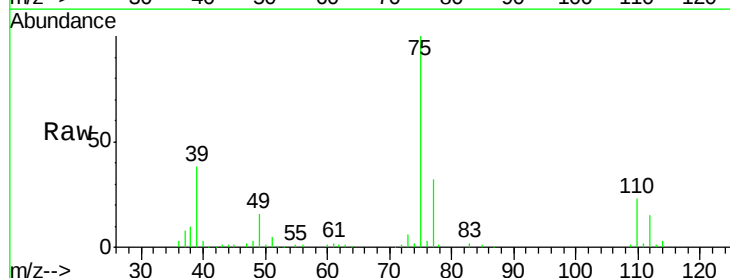
Tgt Ion: 75 Resp: 178683

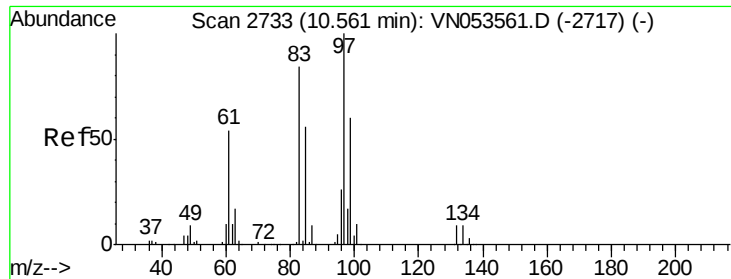
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

39 38.4 33.4 50.0





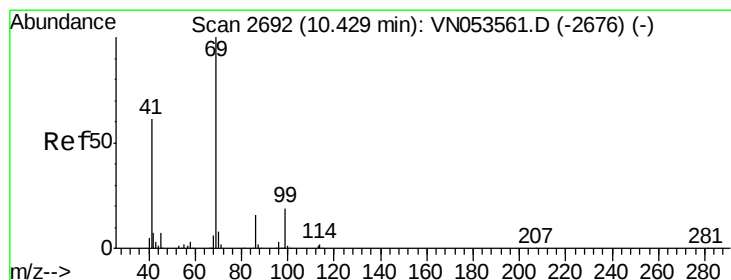
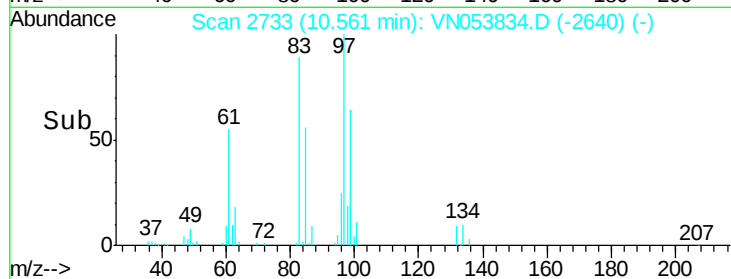
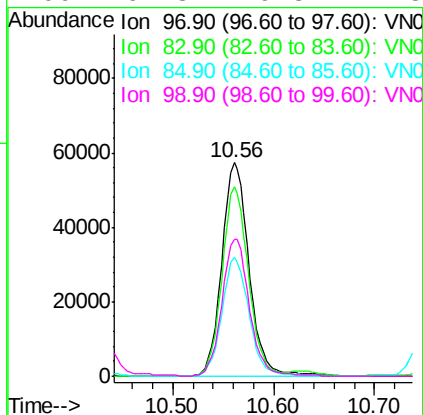
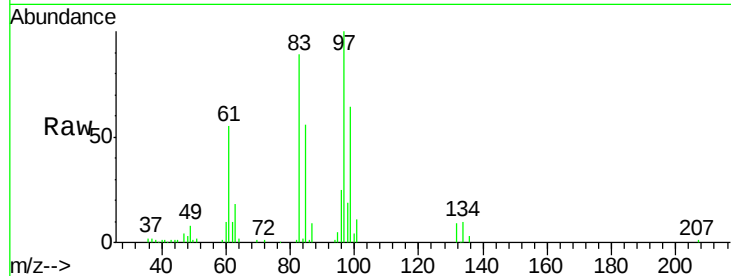
#55
 1,1,2-Trichloroethane
 Concen: 20.525 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.1	105.1
85	55.6	45.4	68.0
99	64.3	49.8	74.8

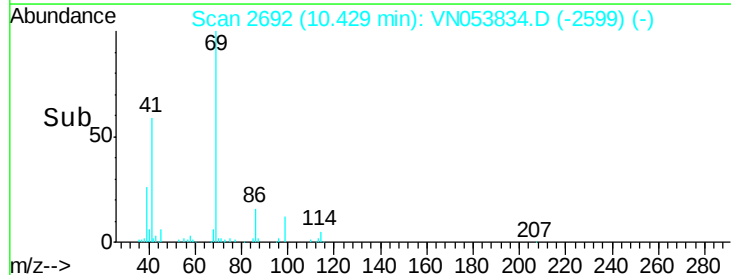
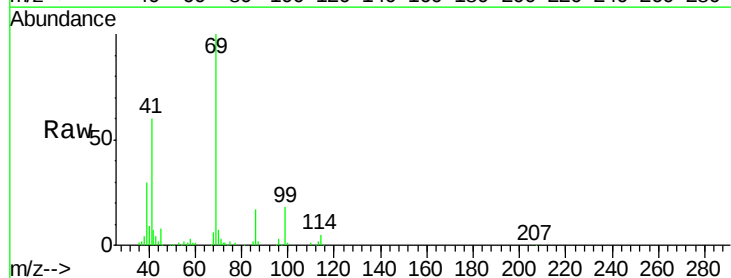
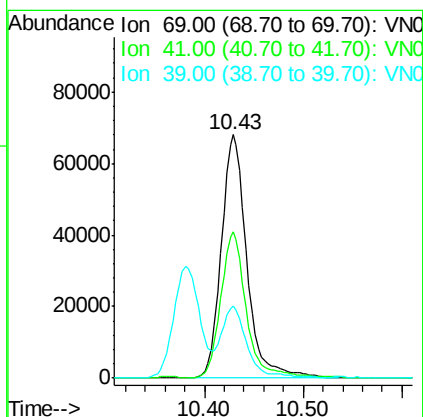
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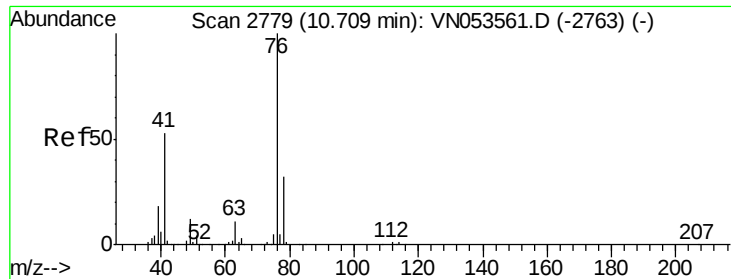
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#56
 Ethyl methacrylate
 Concen: 19.738 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.7	49.4	74.0
39	29.2	23.3	34.9





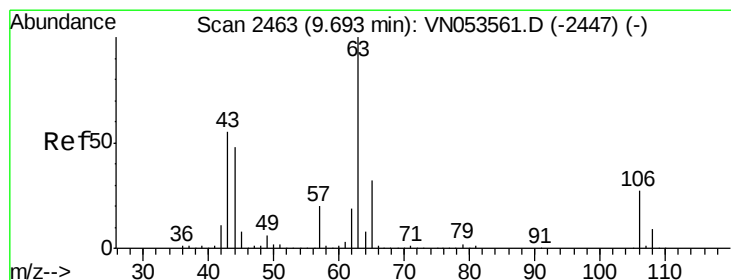
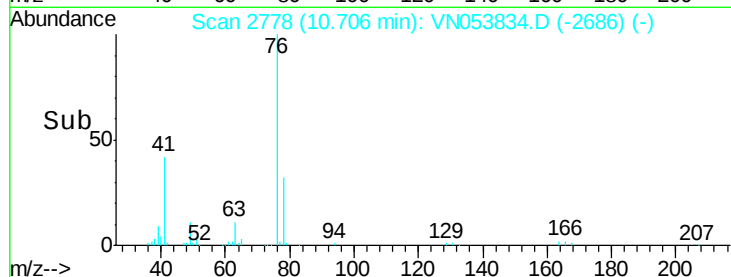
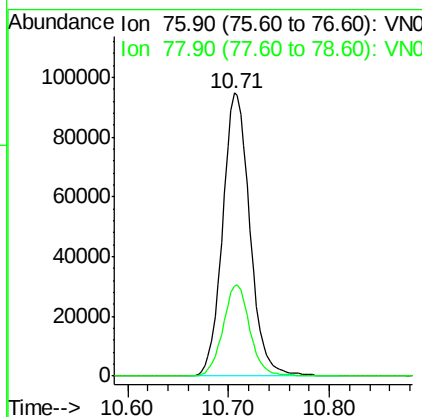
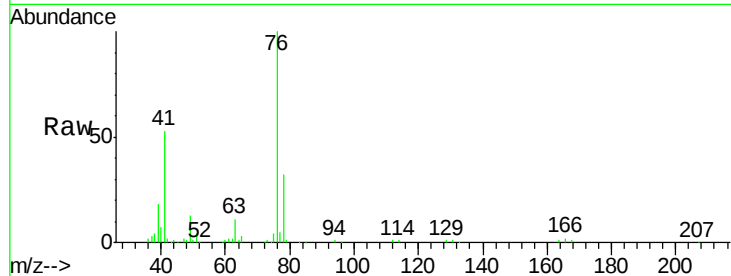
#57
 1,3-Dichloropropane
 Concen: 19.802 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion: 76 Resp: 179296
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.6 38.4

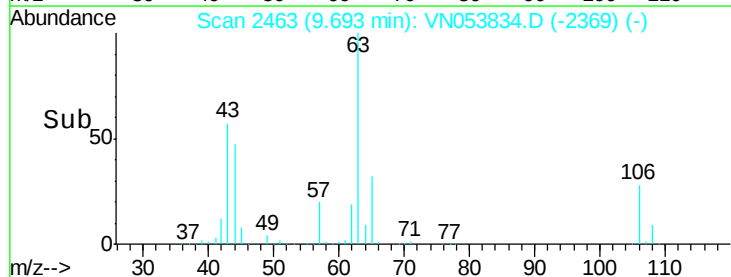
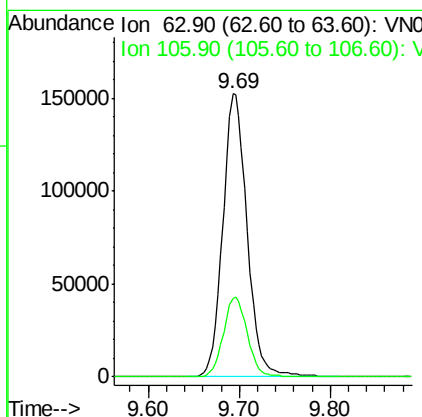
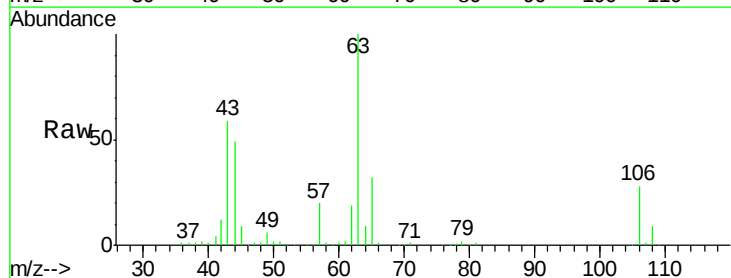
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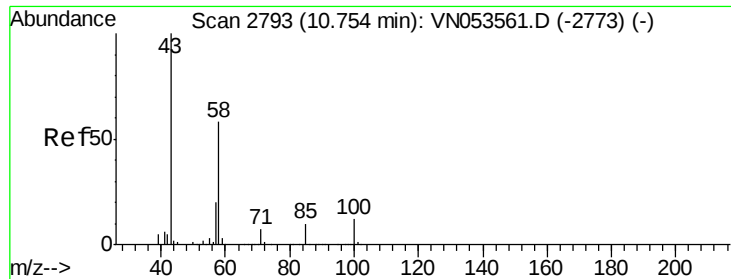
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#58
 2-Chloroethyl Vinyl ether
 Concen: 78.465 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Tgt Ion: 63 Resp: 282917
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.5 32.3





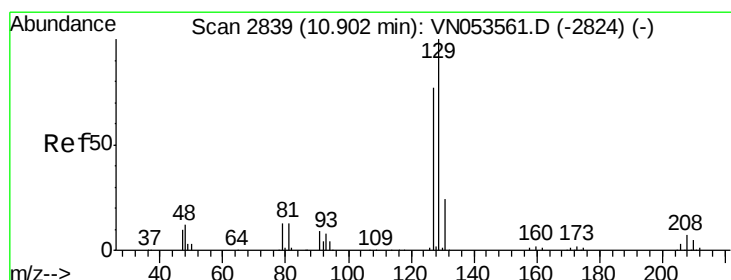
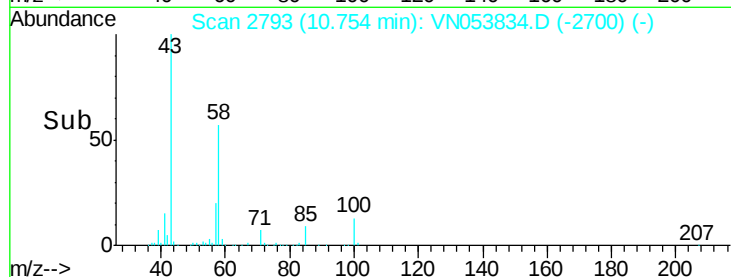
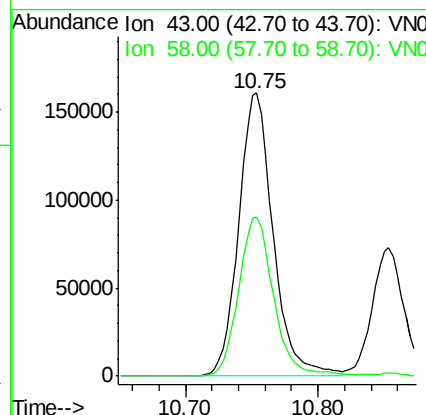
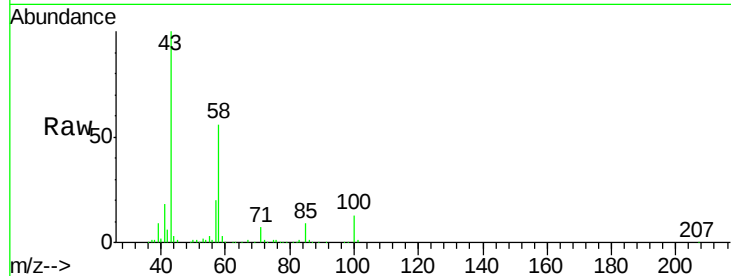
#59
2-Hexanone
Concen: 99.388 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion: 43 Resp: 287280
Ion Ratio Lower Upper
43 100
58 57.7 28.6 85.8

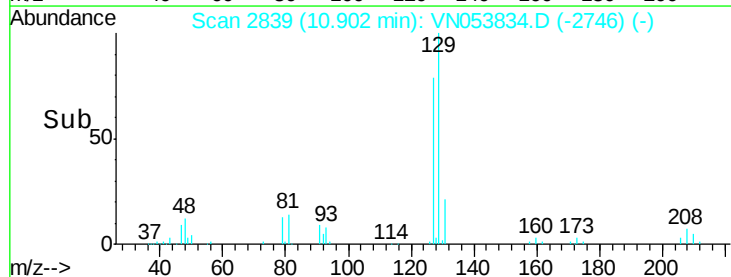
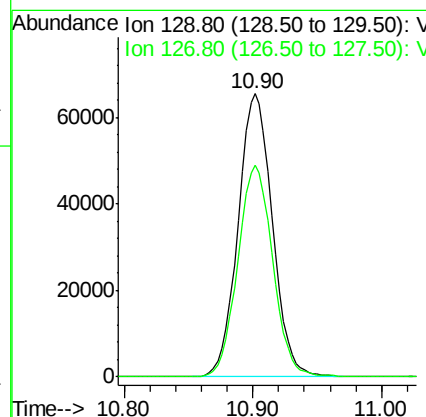
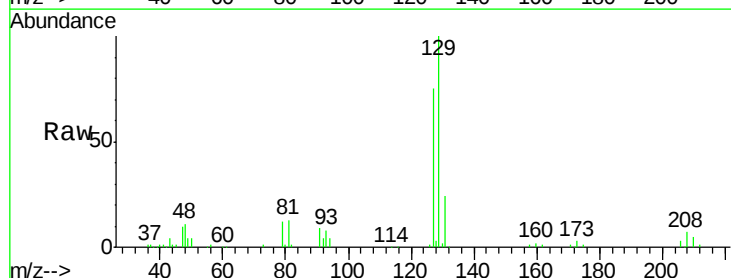
Manual Integrations
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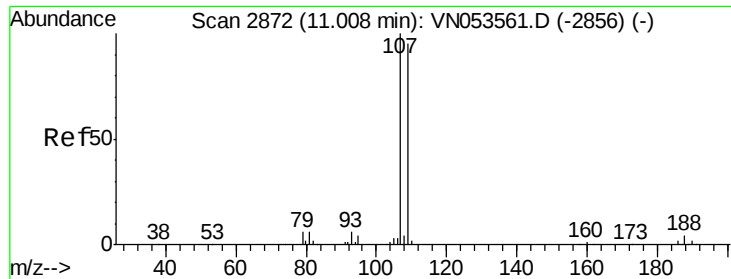
MMDadoda
2/19/2019 12:31:16 PM



#60
Dibromochloromethane
Concen: 20.282 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion: 129 Resp: 121171
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8





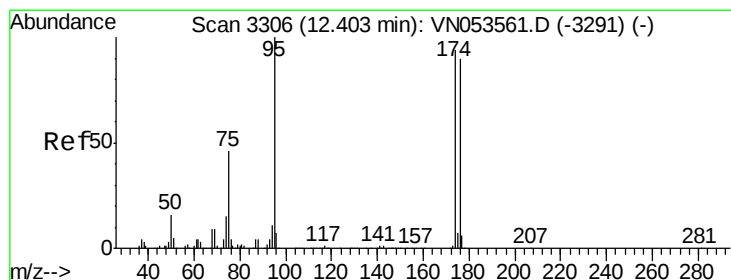
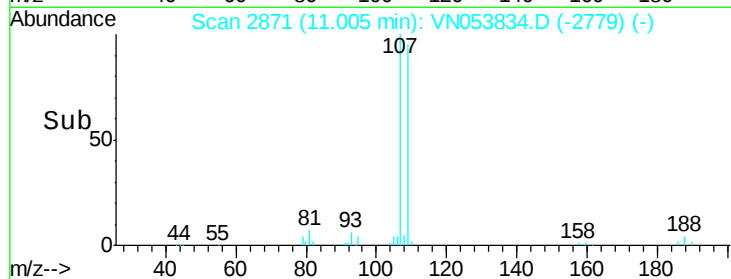
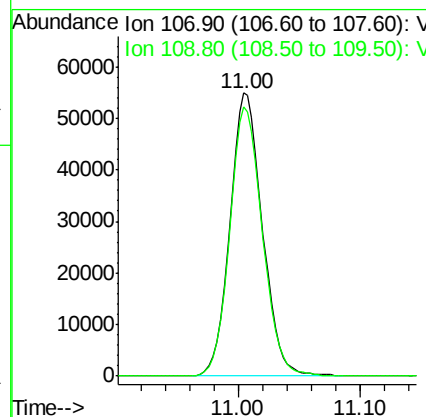
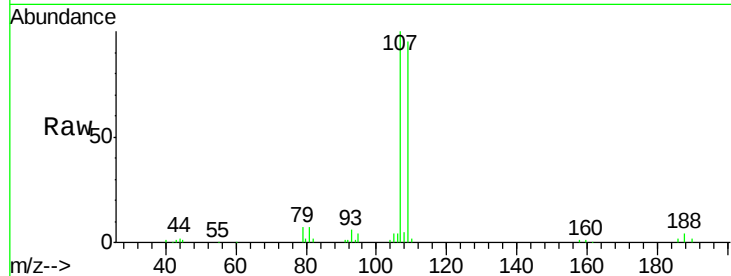
#61
 1,2-Dibromoethane
 Concen: 19.379 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion: 107 Resp: 101615
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.7 113.5

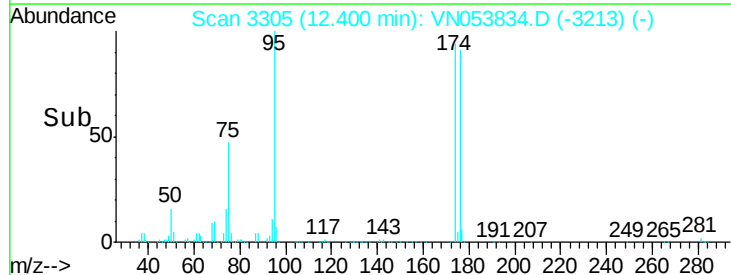
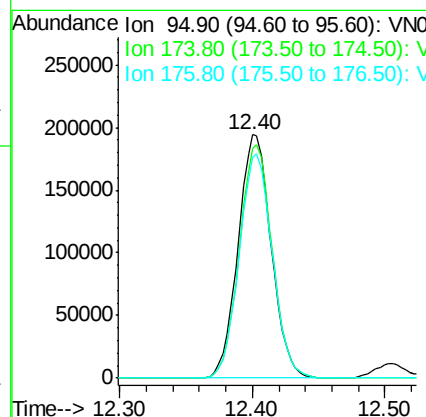
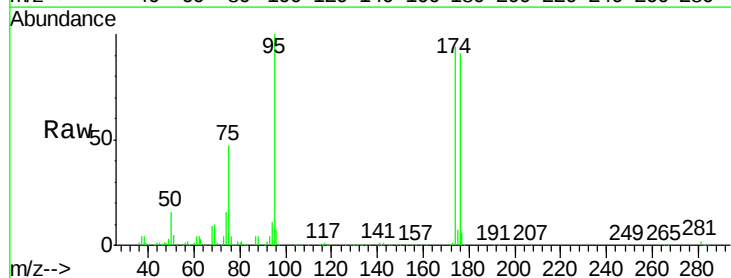
Manual Integrations
 APPROVED

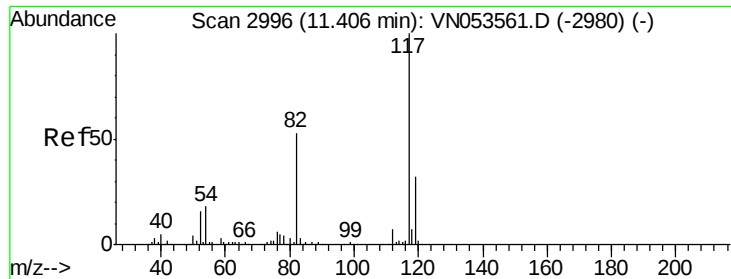
MMDadoda
 2/19/2019 12:31:16 PM



#62
 4-Bromofluorobenzene
 Concen: 47.714 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Tgt Ion: 95 Resp: 336459
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 183.2
 176 91.9 0.0 177.4





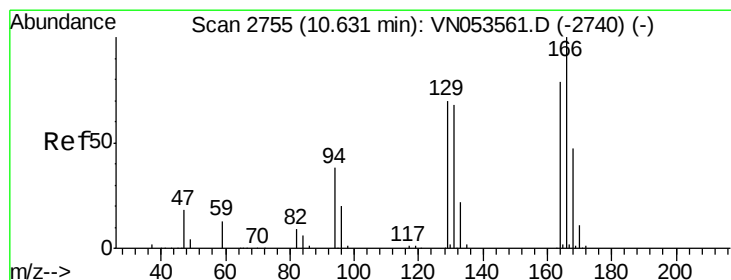
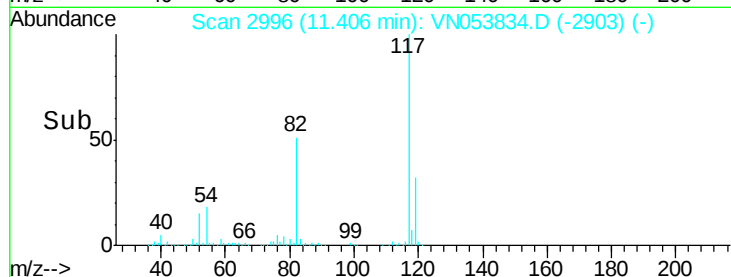
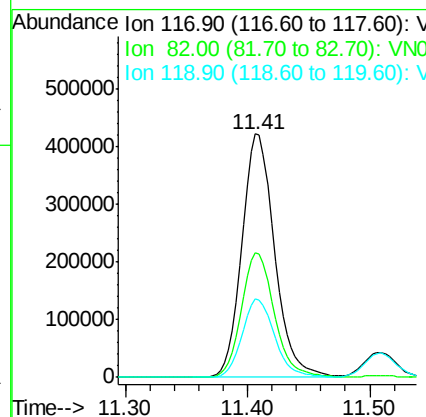
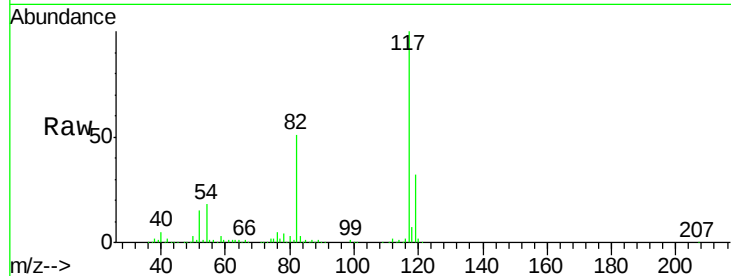
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	783383		
82	51.4	42.9	64.3	
119	32.2	26.0	39.0	

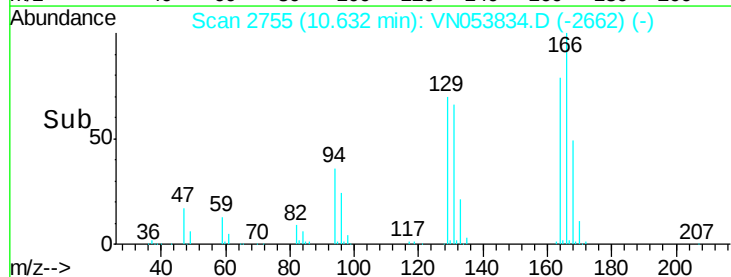
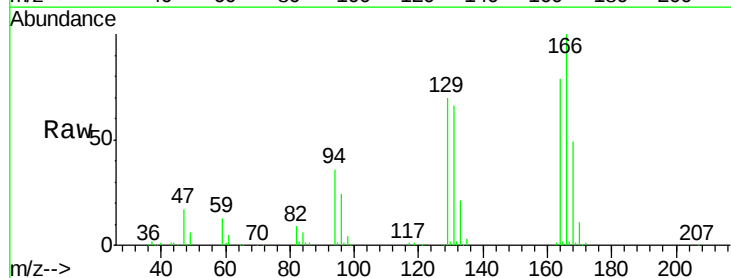
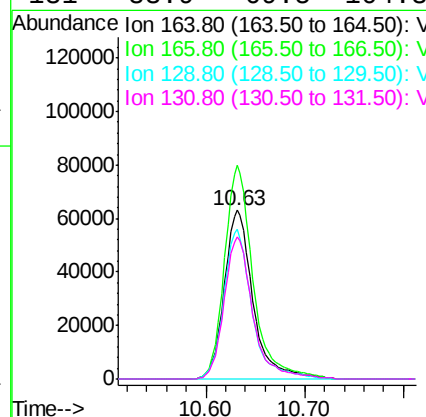
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.211 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129005		
166	126.5	102.2	153.4	
129	88.6	72.6	109.0	
131	83.9	69.5	104.3	





#65

Chlorobenzene

Concen: 18.609 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion:112 Resp: 309657

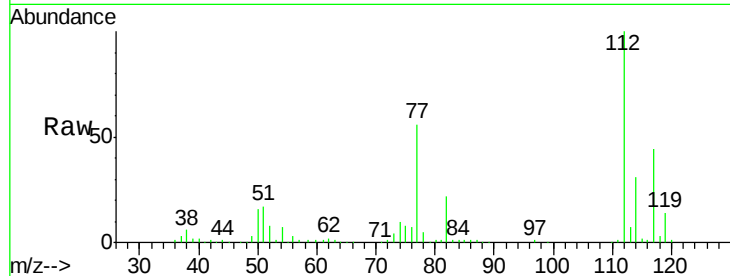
Ion Ratio Lower Upper

112 100

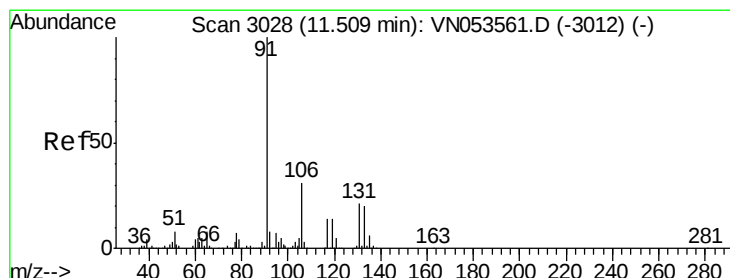
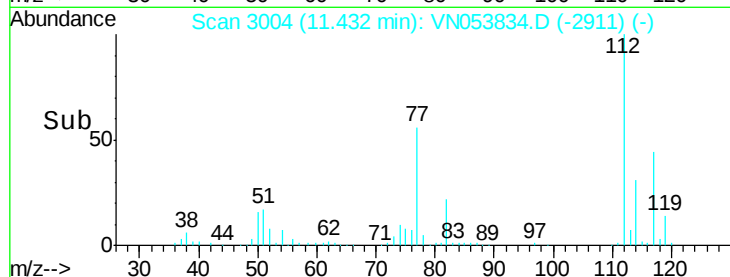
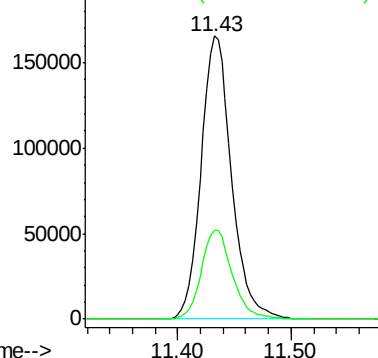
114 31.5 25.3 37.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.052 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

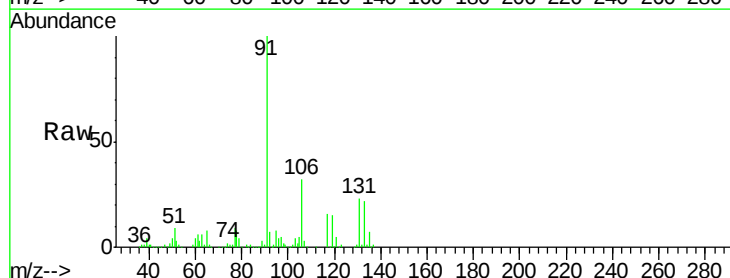
Tgt Ion:131 Resp: 116527

Ion Ratio Lower Upper

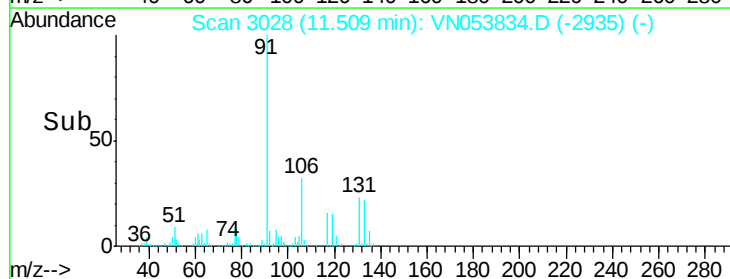
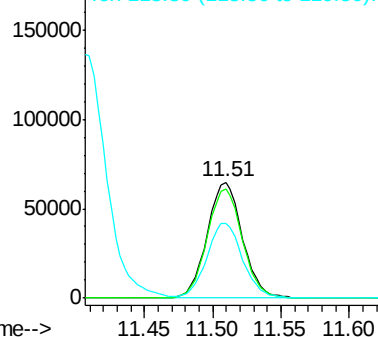
131 100

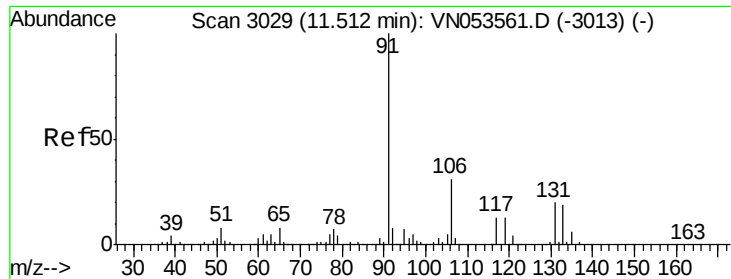
133 94.1 48.0 144.0

119 65.7 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





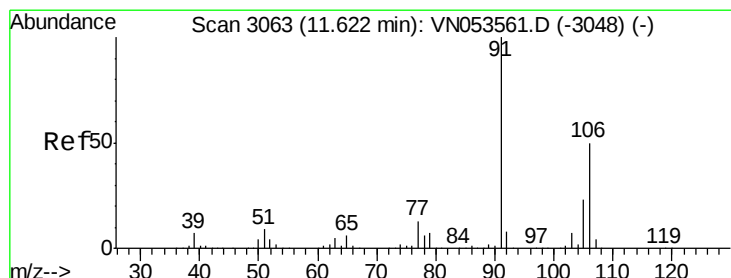
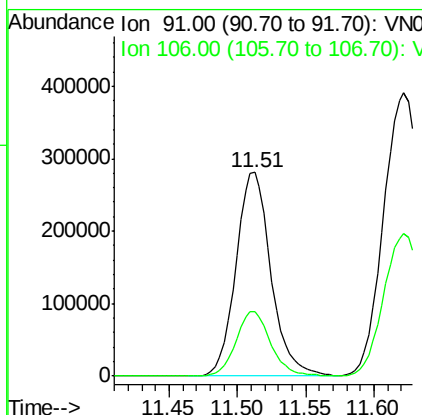
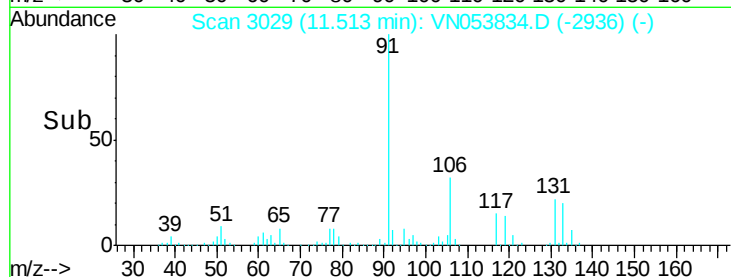
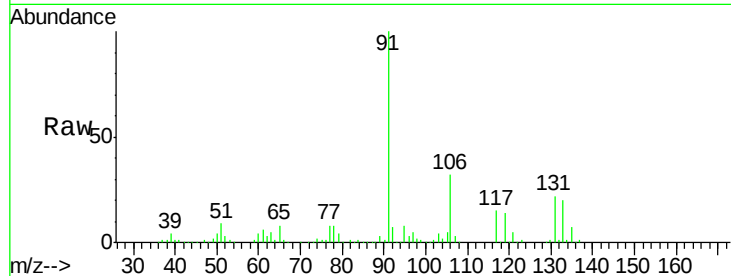
#67
Ethyl Benzene
Concen: 18.338 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion: 91 Resp: 501259
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

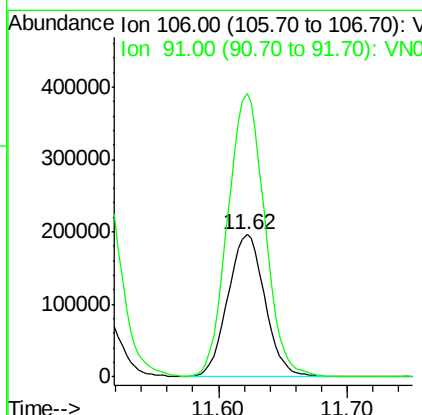
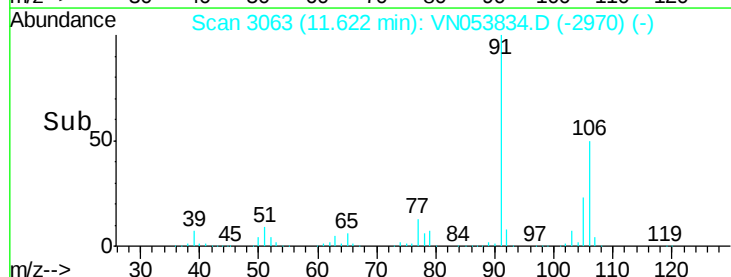
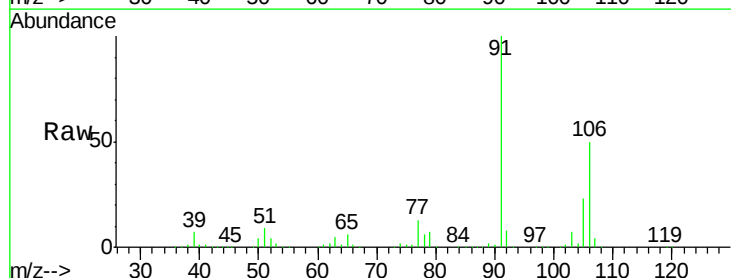
Manual Integrations
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#68
m/p-Xylenes
Concen: 37.679 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion: 106 Resp: 393090
Ion Ratio Lower Upper
106 100
91 198.8 161.4 242.2





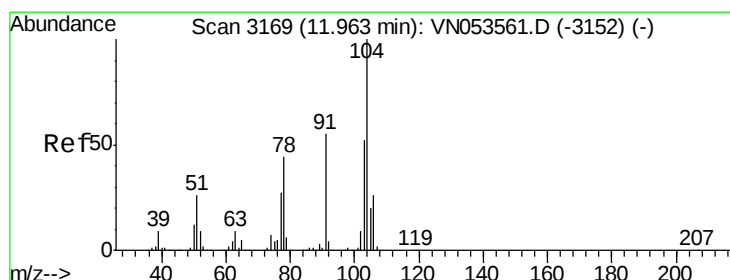
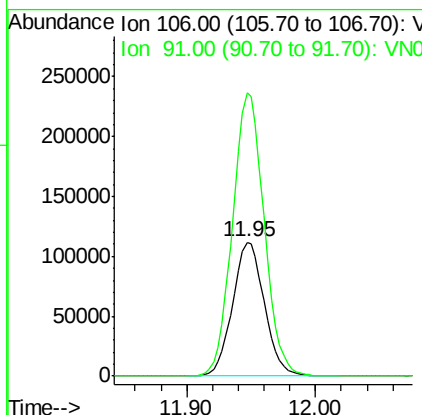
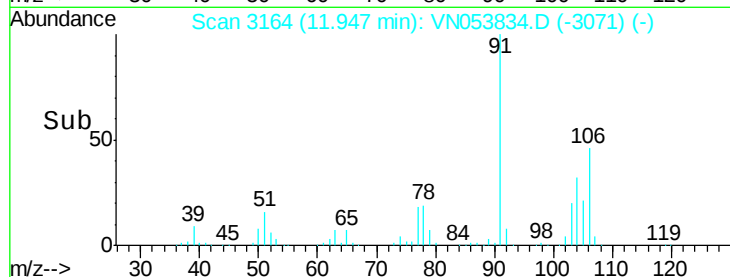
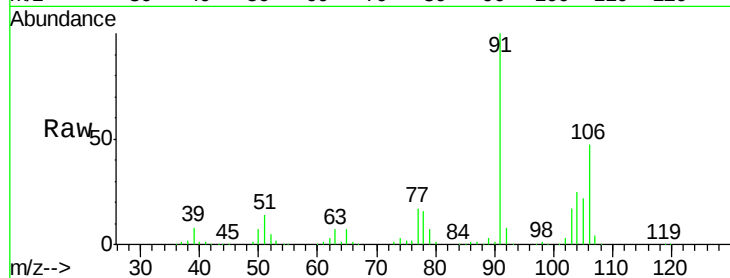
#69
o-Xylene
Concen: 18.995 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0218WBS01

Tot Ion:106 Resp: 191444
Ion Ratio Lower Upper
106 100
91 210.2 106.9 320.8

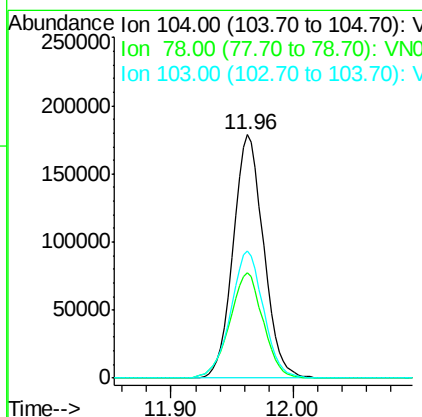
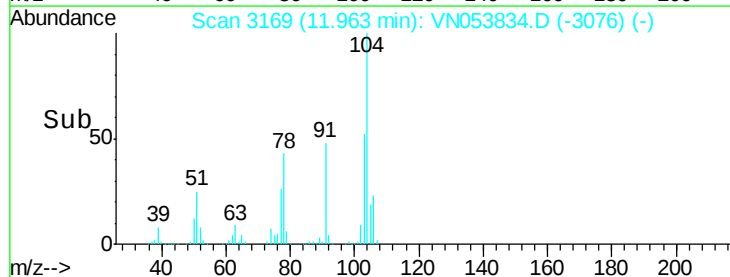
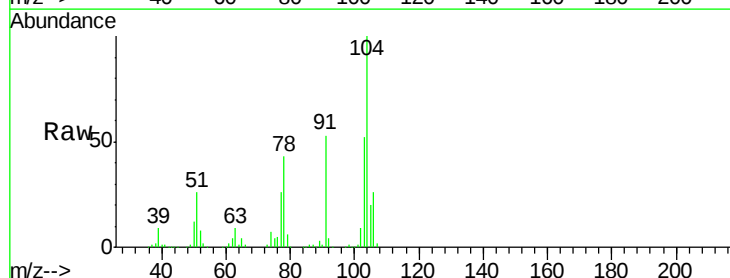
Manual Integrations
APPROVED

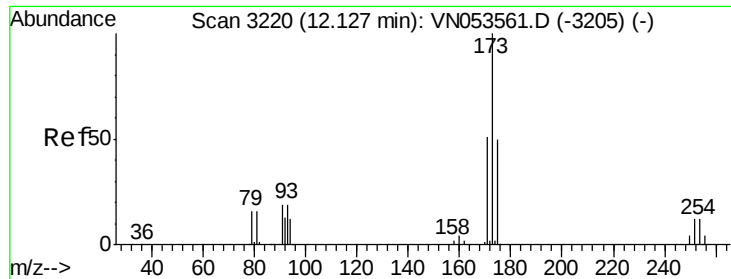
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#70
Styrene
Concen: 18.982 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion:104 Resp: 310085
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 56.1 44.4 66.6





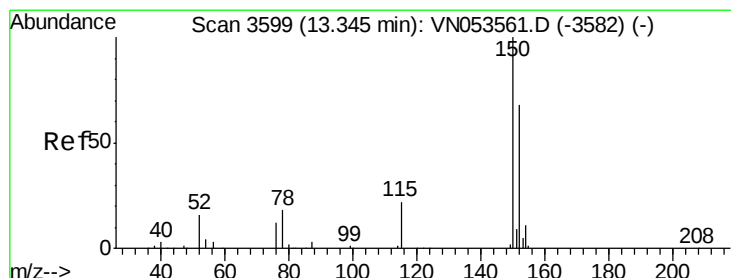
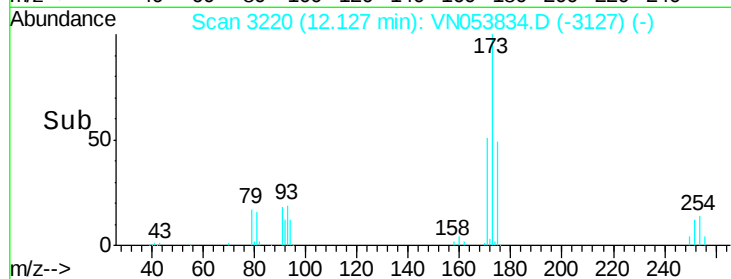
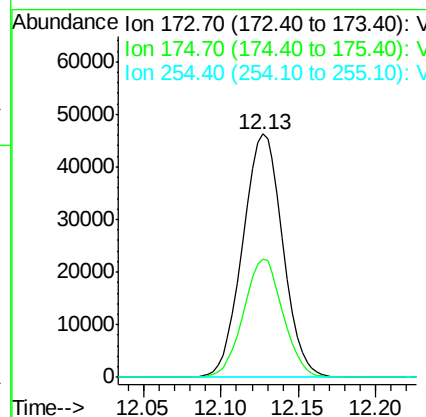
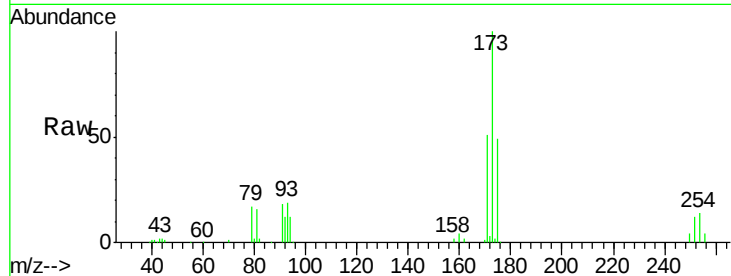
#71
Bromoform
Concen: 20.954 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.6	74.0
254	0.0	0.2	0.2

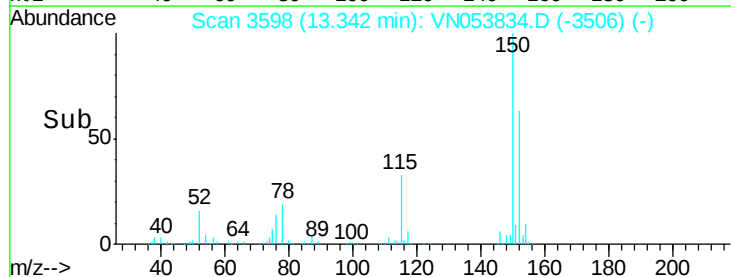
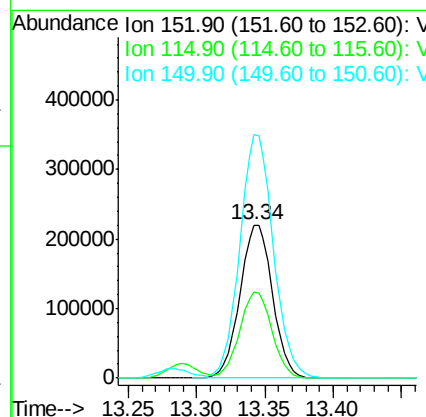
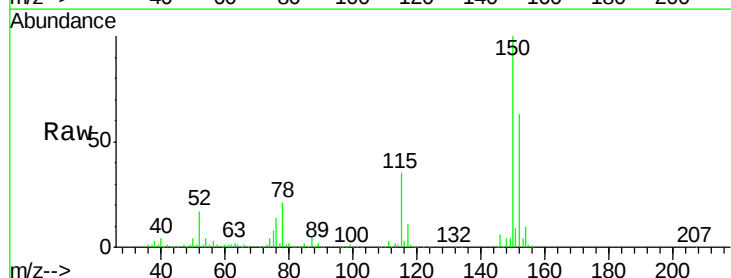
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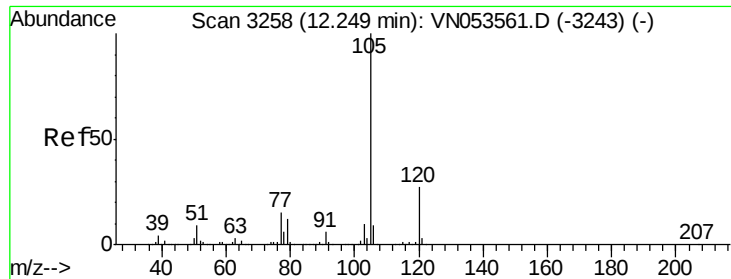
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.8	83.4
150	163.9	0.0	349.0





#73

Isopropylbenzene

Concen: 19.800 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 105 Resp: 506793

Ion Ratio Lower Upper

105 100

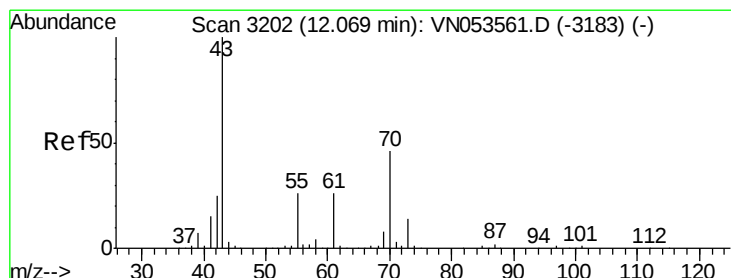
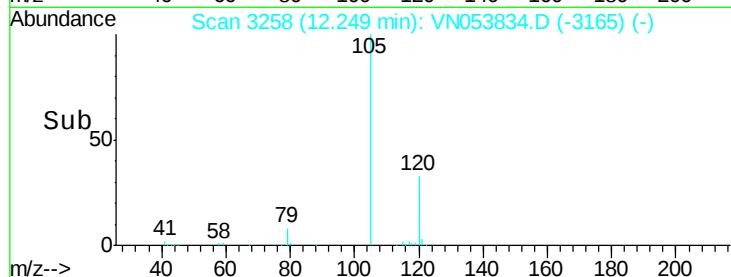
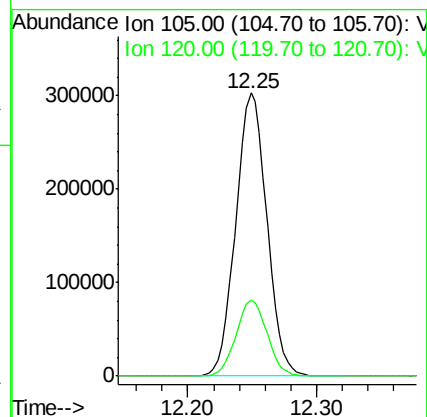
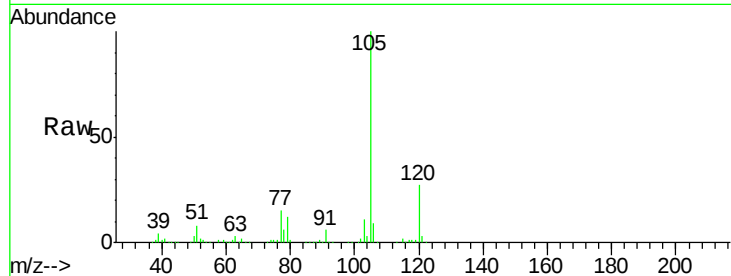
120 26.8 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.572 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Tgt Ion: 43 Resp: 120462

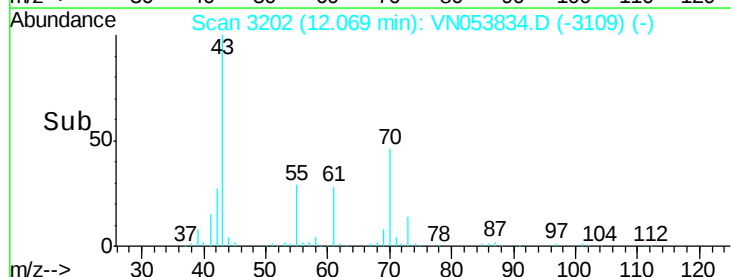
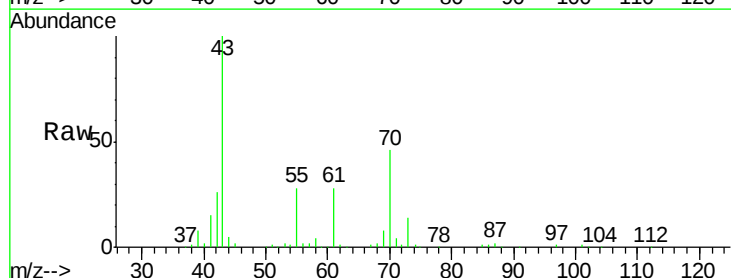
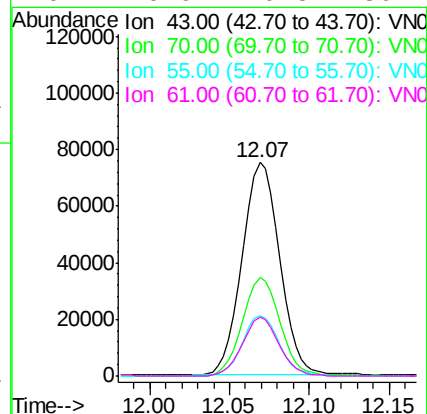
Ion Ratio Lower Upper

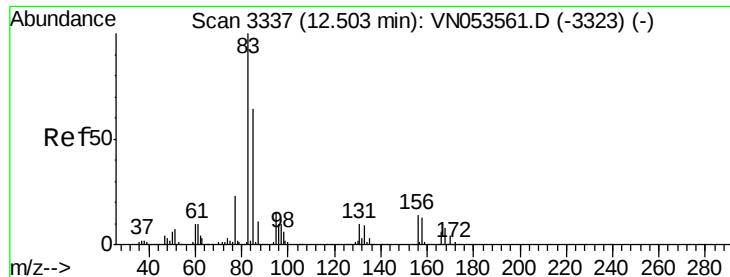
43 100

70 46.5 35.4 53.2

55 28.1 20.9 31.3

61 26.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.417 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

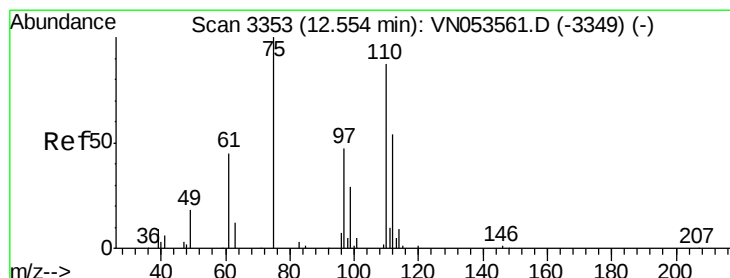
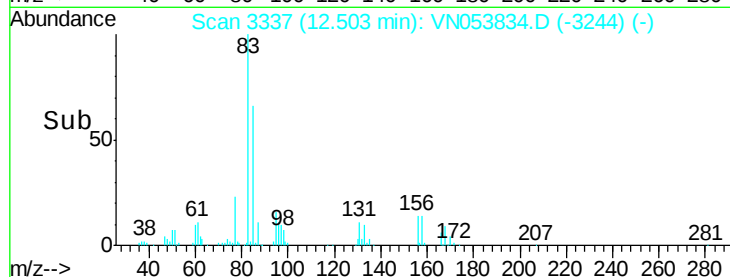
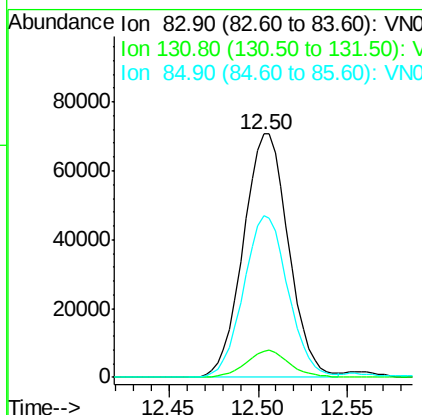
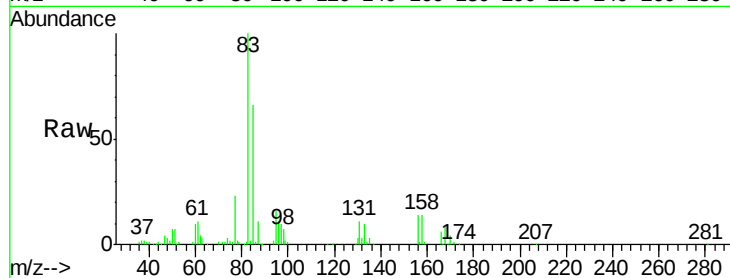
ClientSampleId :

VN0218WBS01

Tot Ion:	83	Resp:	125063
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.8
85	65.4	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.079 ug/l m

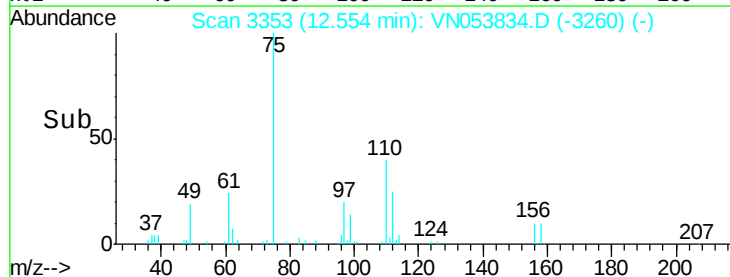
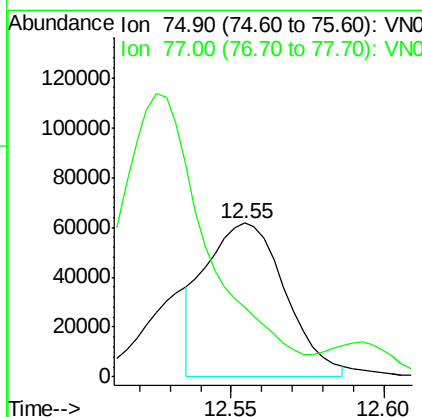
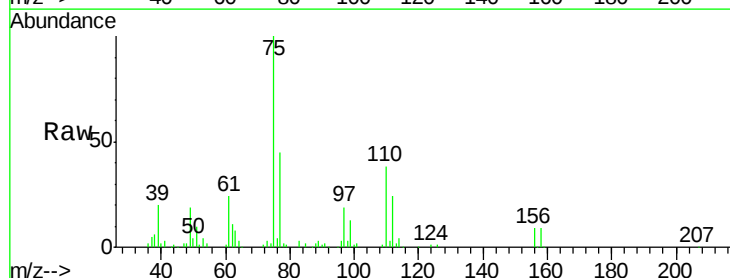
RT: 12.55 min Scan# 3353

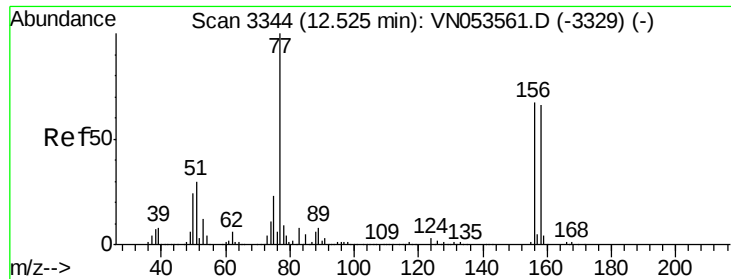
Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Tgt Ion:	75	Resp:	112605
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.842 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

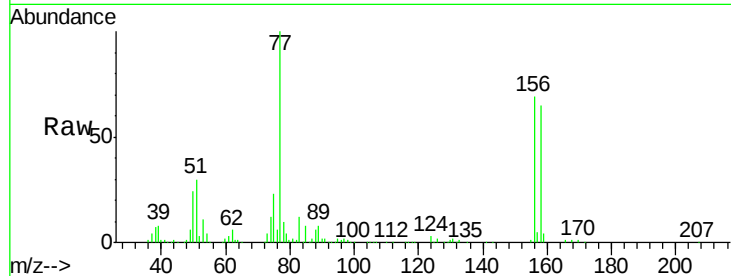
ClientSampleId :

VN0218WBS01

Tot Ion:	156	Resp:	136872
Ion Ratio	Lower	Upper	
156	100		
77	171.4	87.9	263.8
158	96.6	48.8	146.4

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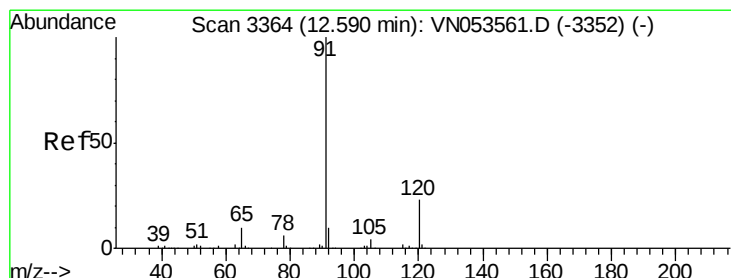
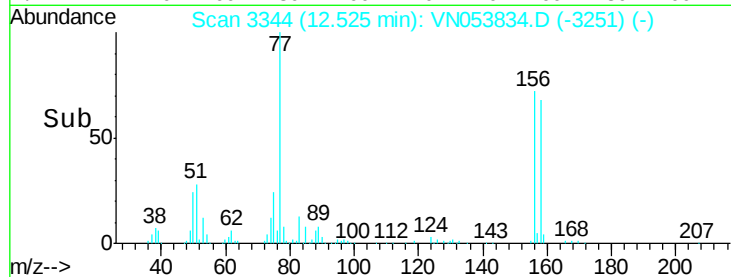
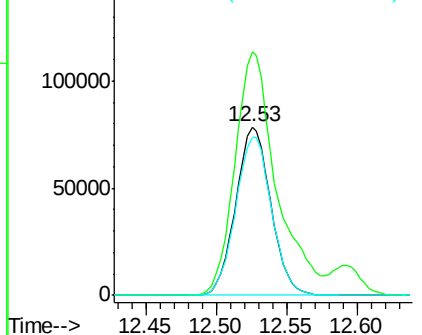
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.267 ug/l

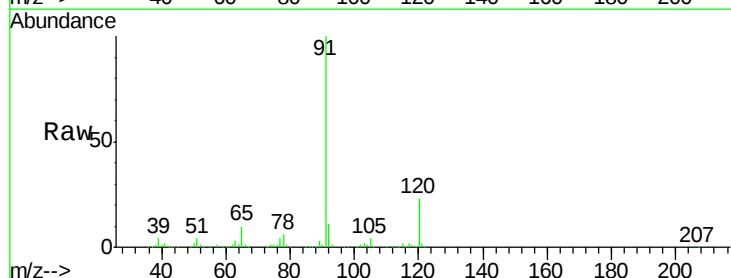
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053834.D

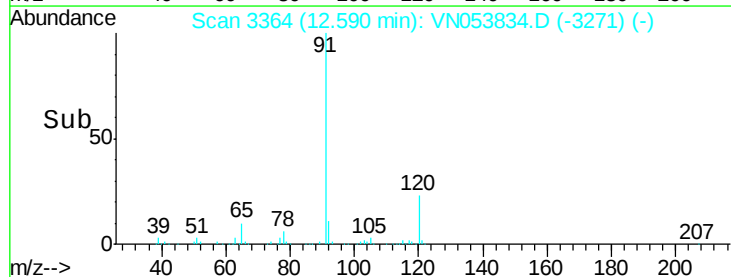
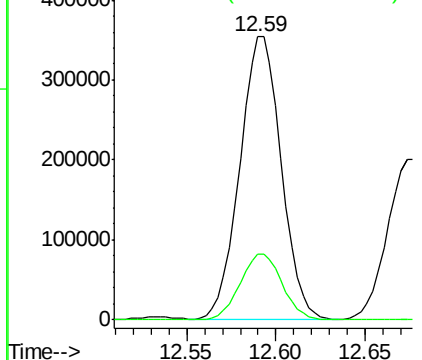
Acq: 18 Feb 2019 11:11

Tgt Ion:	91	Resp:	570076
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.498 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0218WBS01

Tot Ion: 91 Resp: 342274

Ion Ratio Lower Upper

91 100

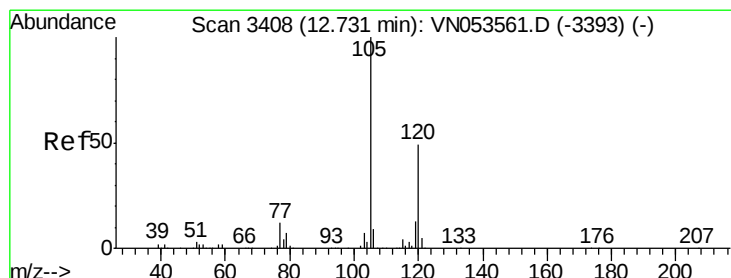
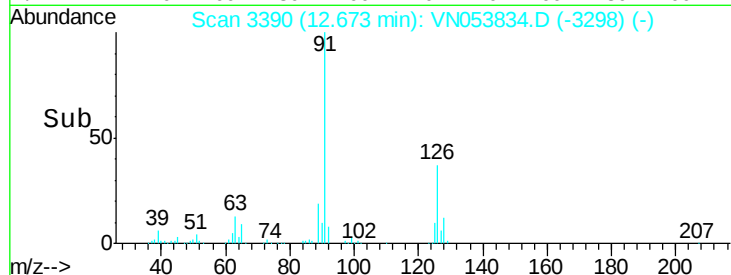
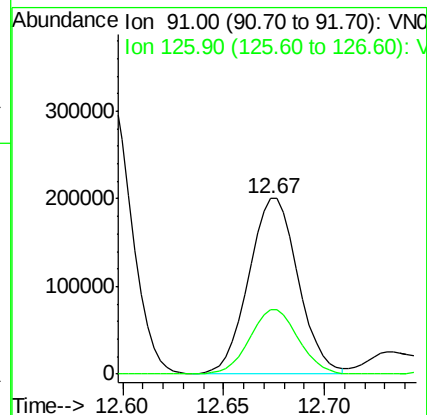
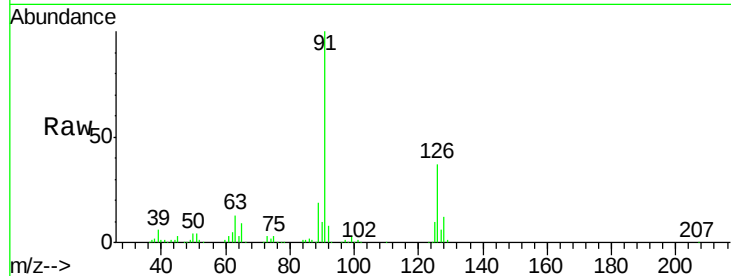
126 36.6 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.246 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053834.D

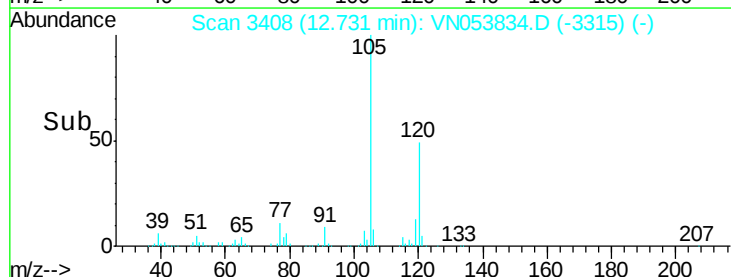
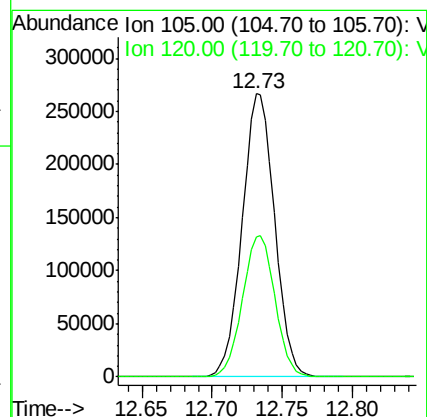
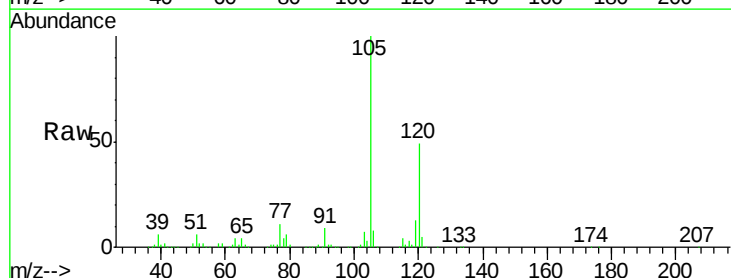
Acq: 18 Feb 2019 11:11

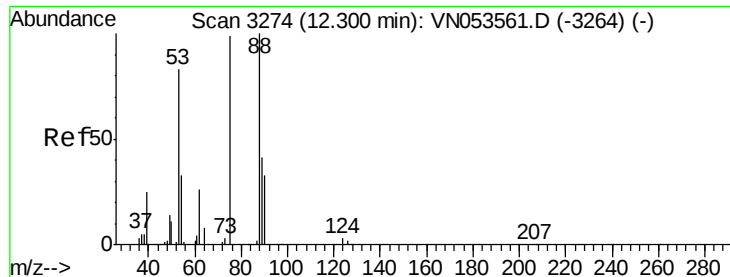
Tgt Ion: 105 Resp: 429714

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.427 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

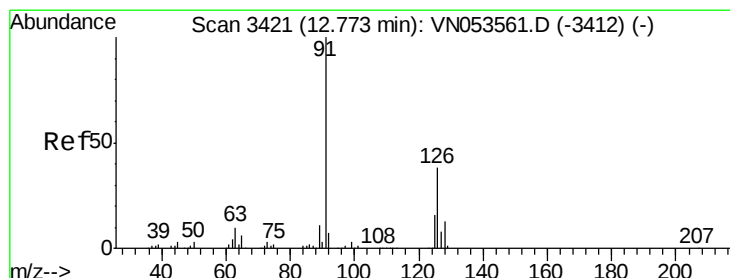
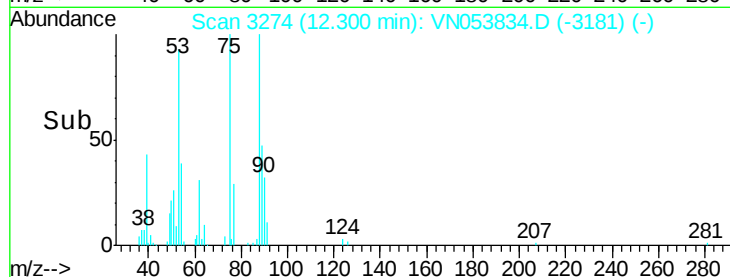
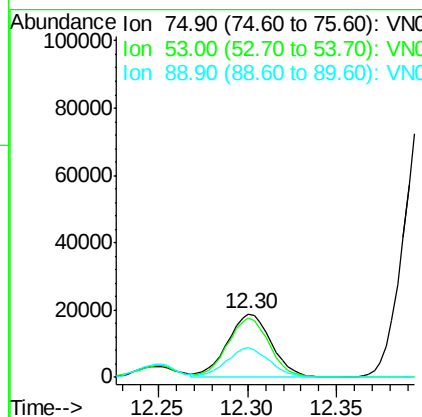
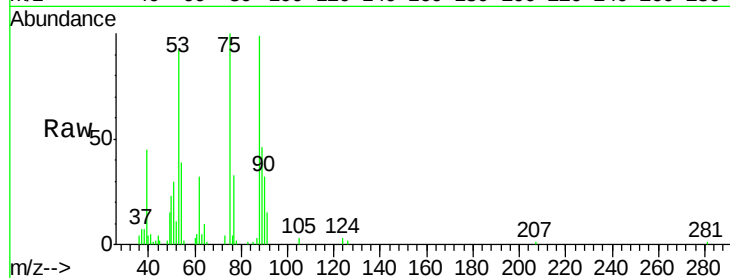
ClientSampleId :

VN0218WBS01

Tot Ion:	75	Resp:	32309
Ion	Ratio	Lower	Upper
75	100		
53	89.5	69.8	104.6
89	45.6	35.6	53.4

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#82

4-Chlorotoluene

Concen: 19.253 ug/l

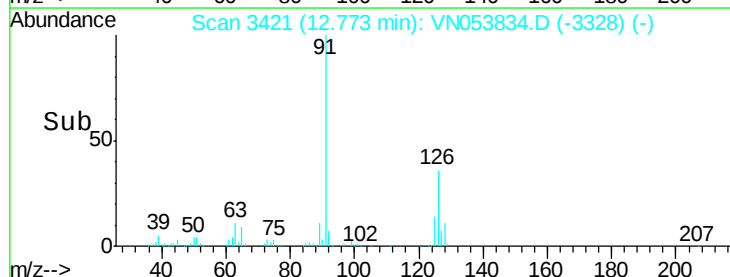
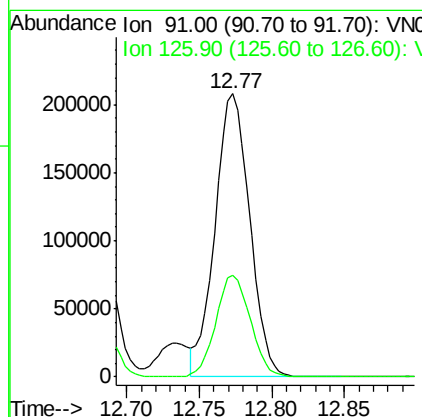
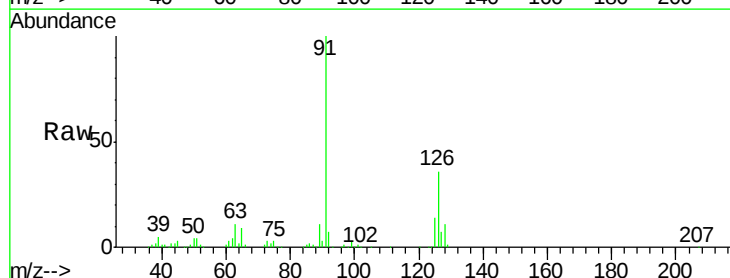
RT: 12.77 min Scan# 3421

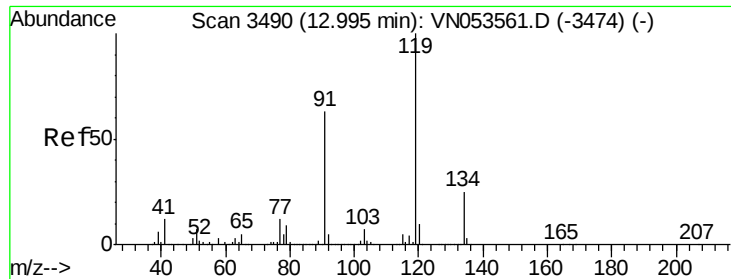
Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Tgt Ion:	91	Resp:	346793
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.9





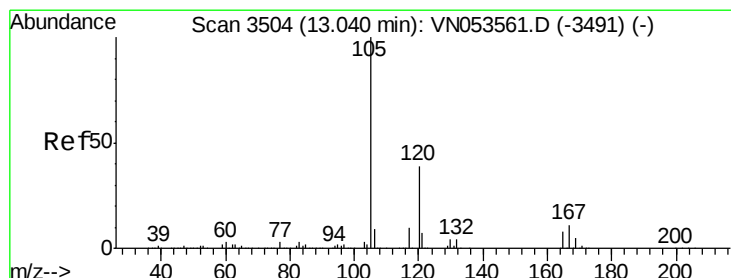
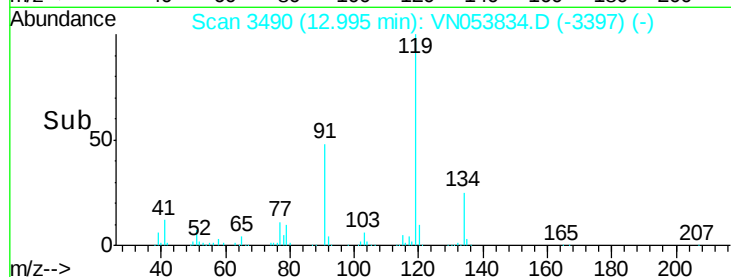
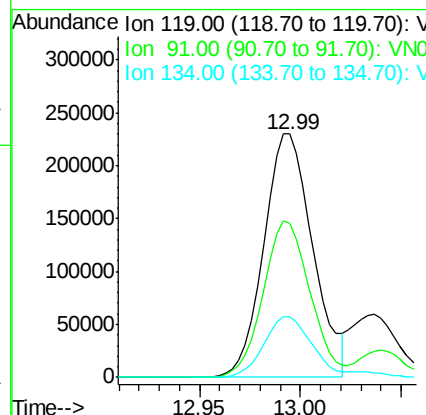
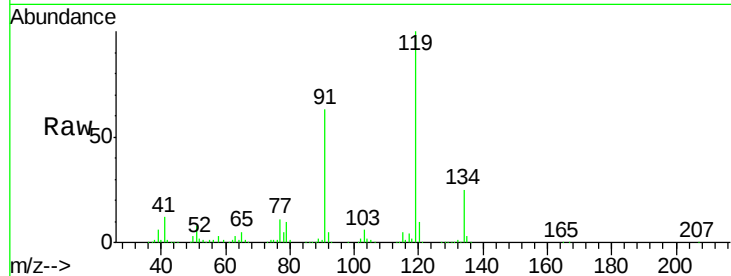
#83
tert-Butylbenzene
Concen: 20.740 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	389047		
91	61.3		31.3	93.8
134	26.1		12.9	38.7

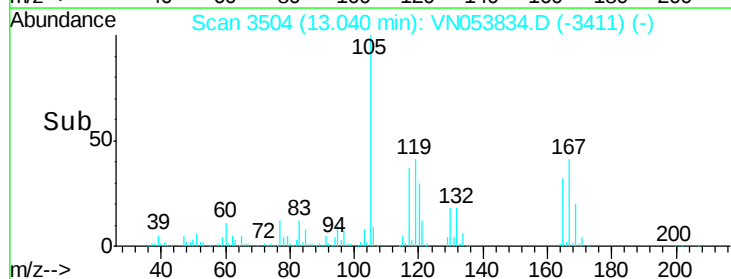
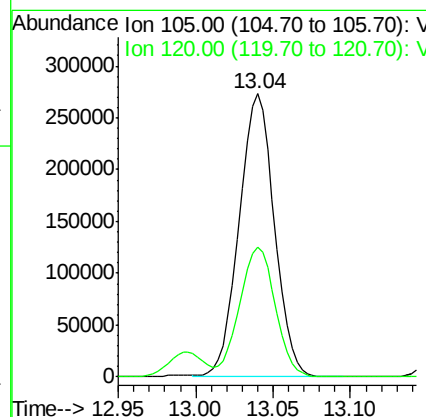
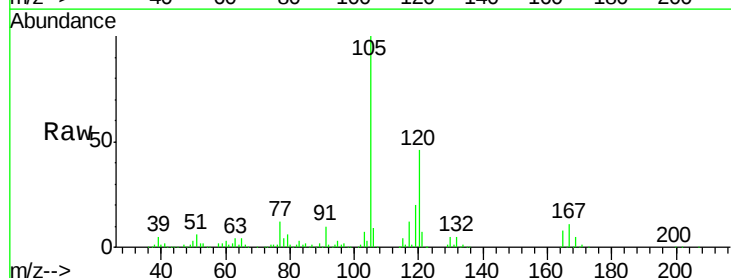
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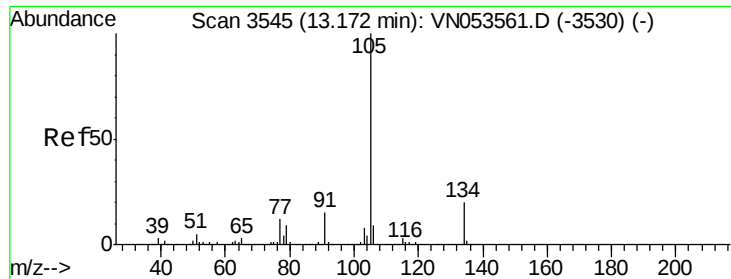
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#84
1,2,4-Trimethylbenzene
Concen: 20.013 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	432751		
120	46.5		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.320 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0218WBS01

Tot Ion:105 Resp: 518721

Ion Ratio Lower Upper

105 100

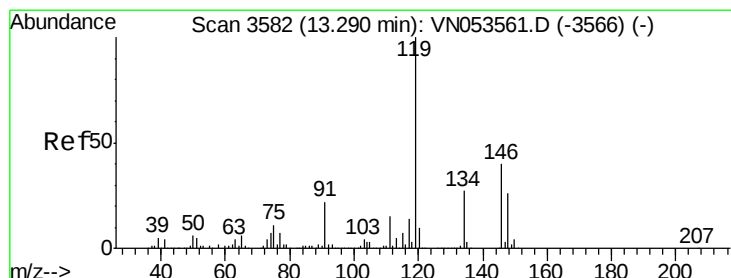
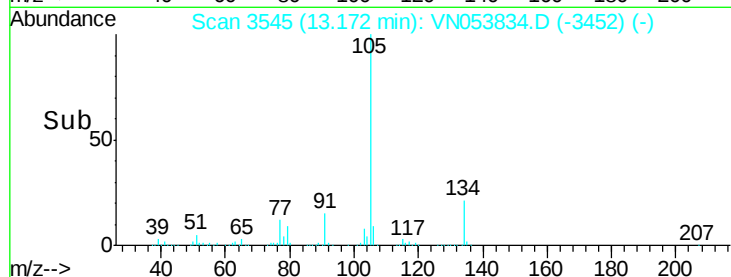
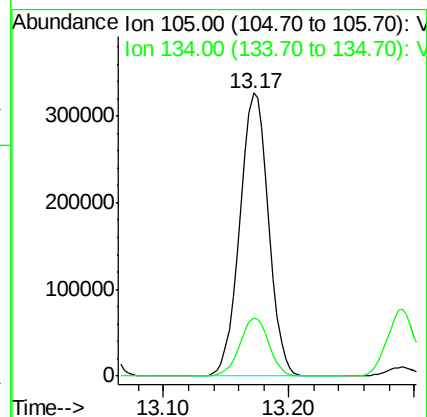
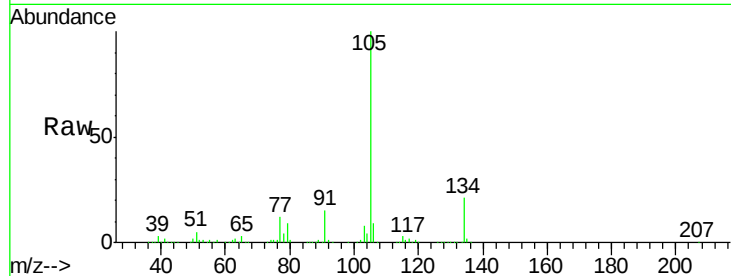
134 20.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.019 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

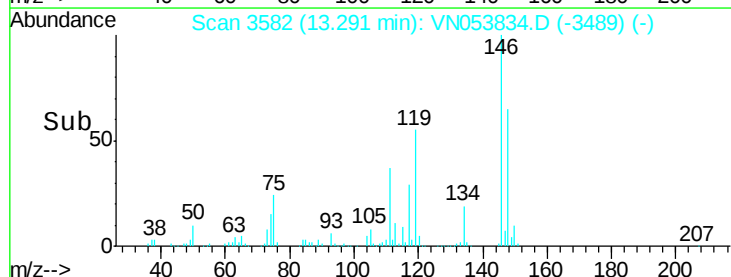
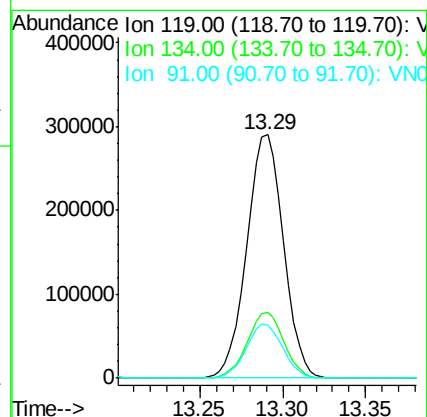
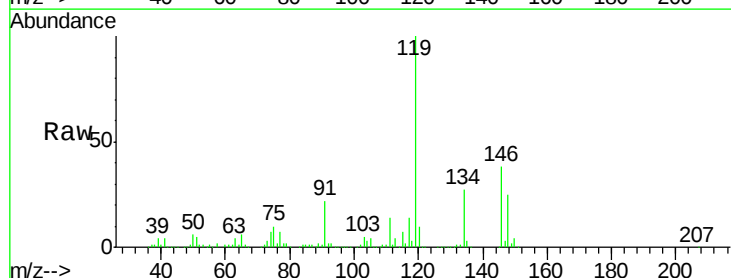
Tgt Ion:119 Resp: 446941

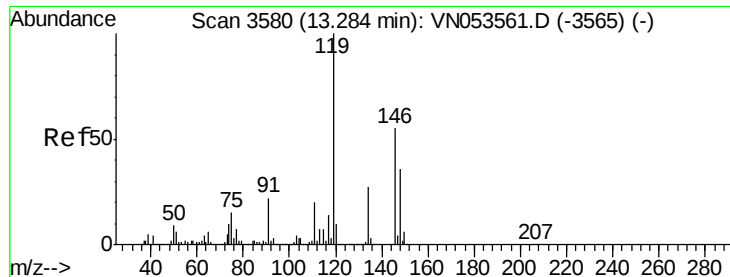
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.2 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 18.822 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Instrument :

MSVOA_N

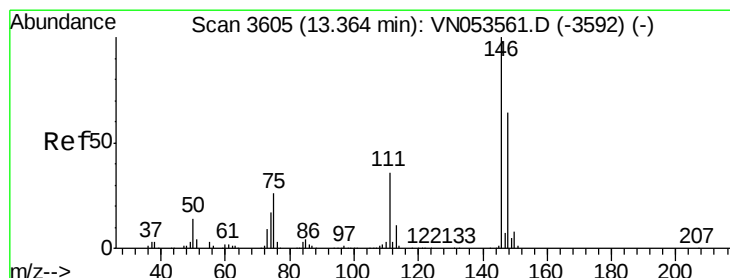
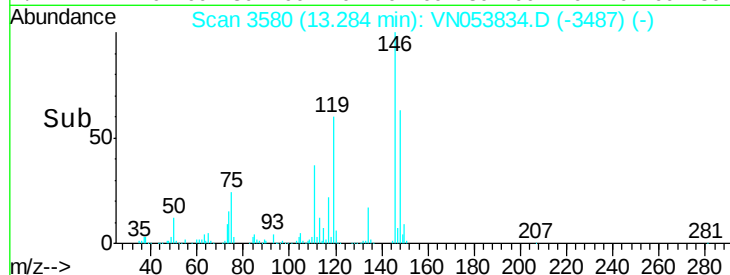
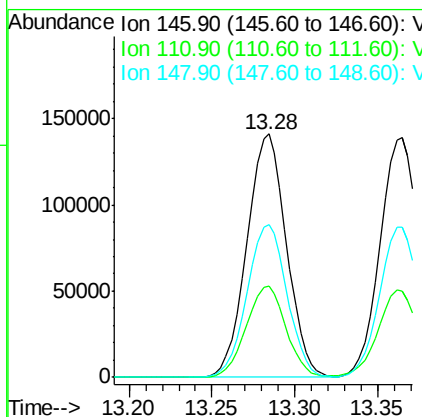
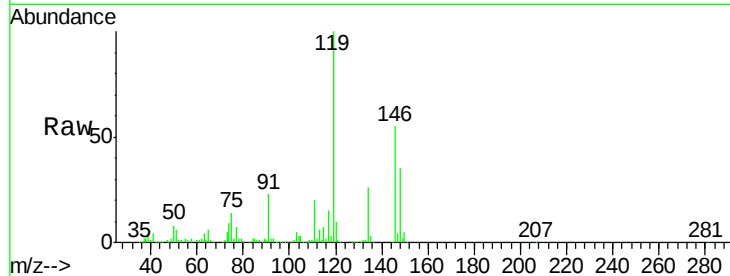
ClientSampleId :

VN0218WBS01

Tot Ion:	146	Resp:	233400
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.8	56.3
148	63.5	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 18.846 ug/l

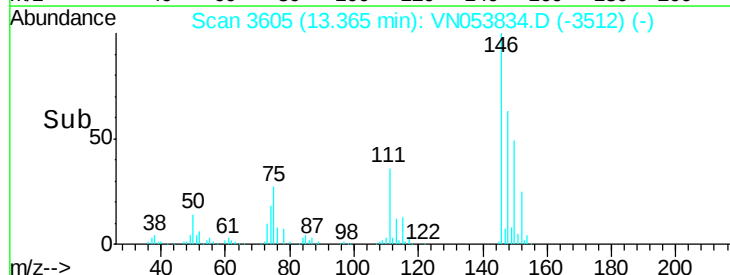
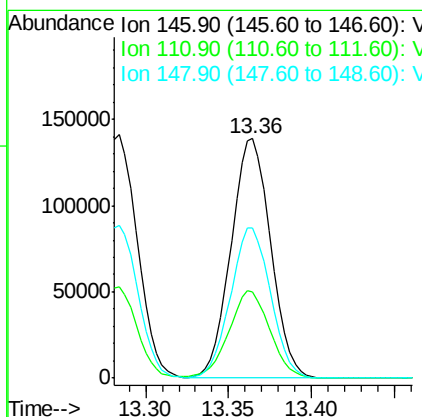
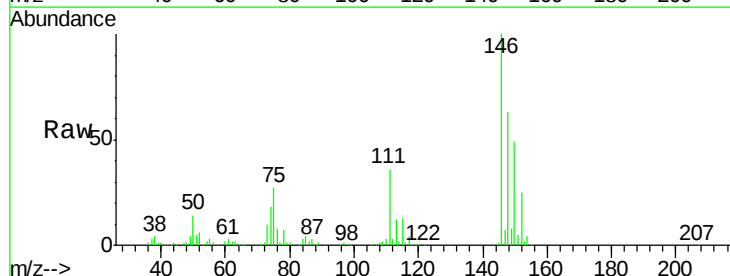
RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053834.D

Acq: 18 Feb 2019 11:11

Tgt Ion:	146	Resp:	231164
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.6	55.8
148	63.5	32.4	97.0





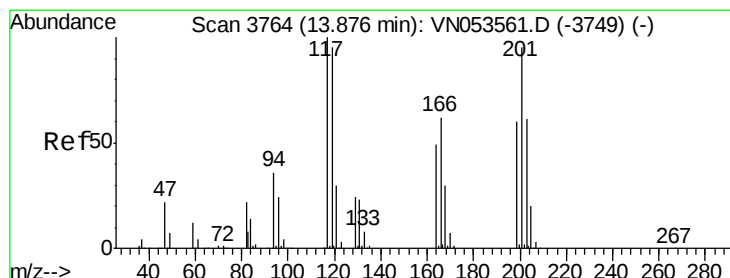
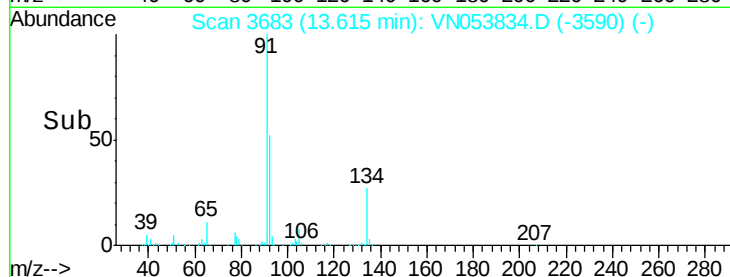
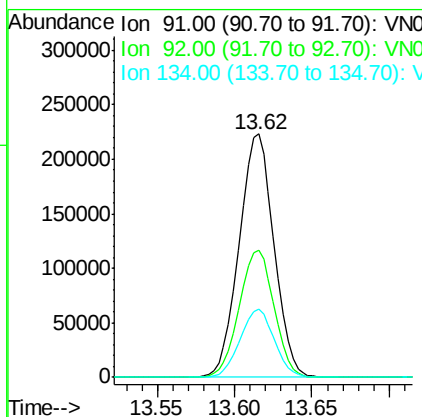
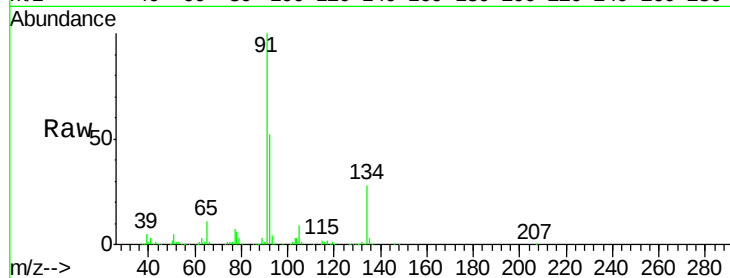
#89
n-Butylbenzene
Concen: 18.077 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.8
134	27.4	13.5	40.5

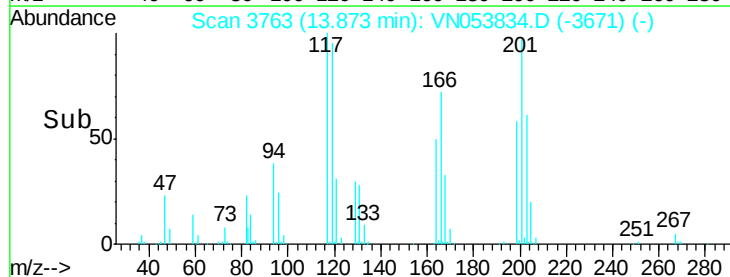
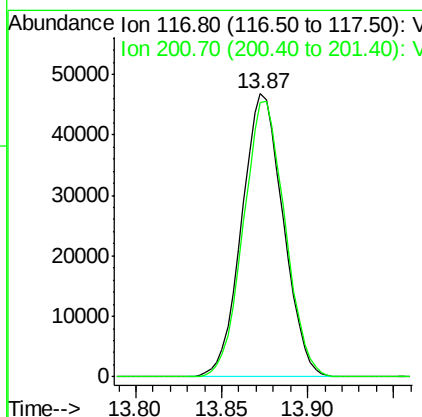
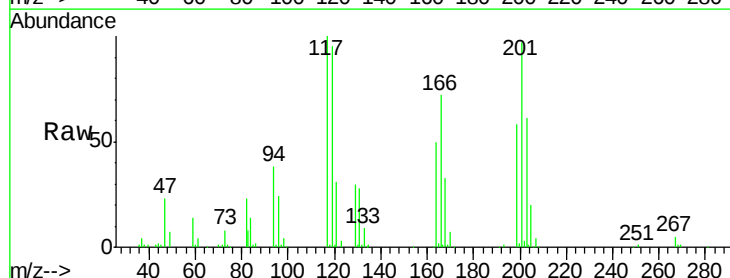
Manual Integrations
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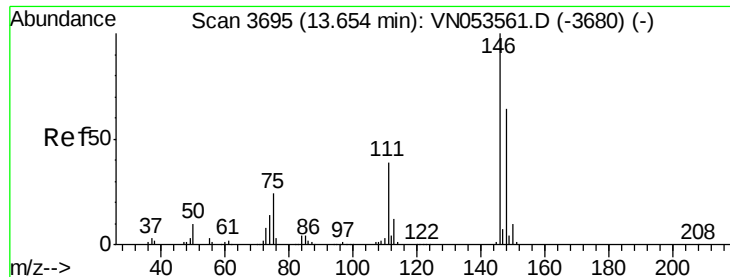
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#90
Hexachloroethane
Concen: 21.288 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.4	46.8	140.4





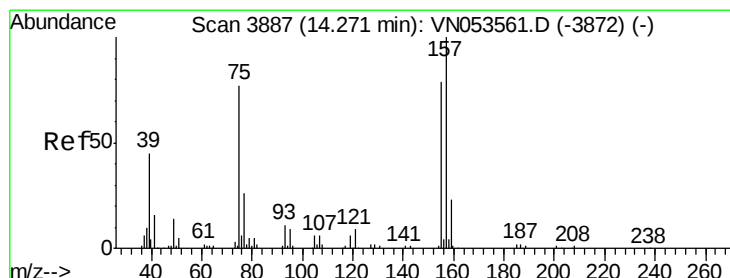
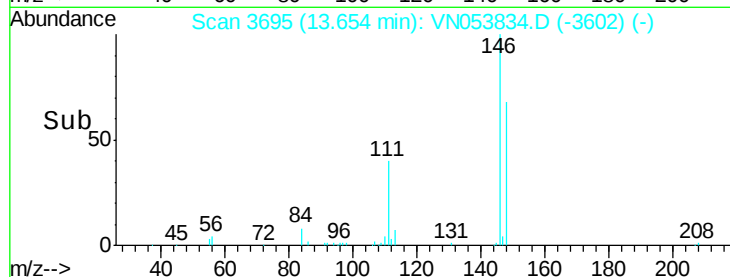
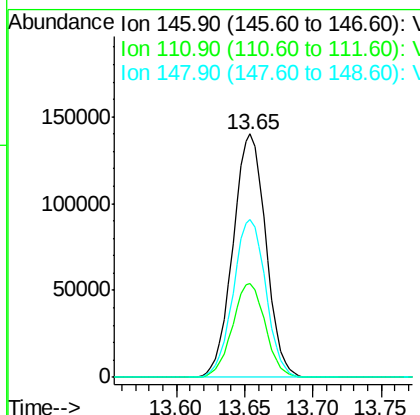
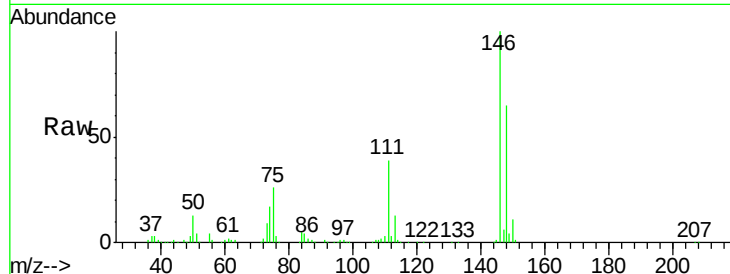
#91
 1,2-Dichlorobenzene
 Concen: 19.740 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	234340		
111	38.4	19.5	58.5	
148	64.4	31.9	95.9	

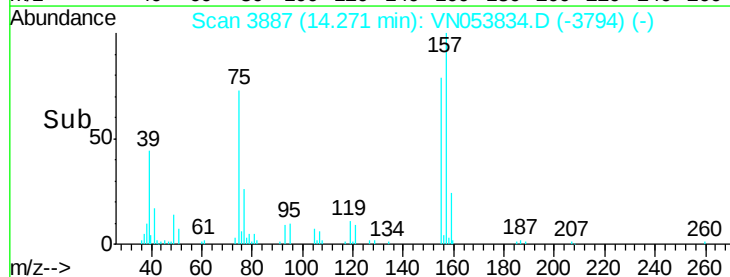
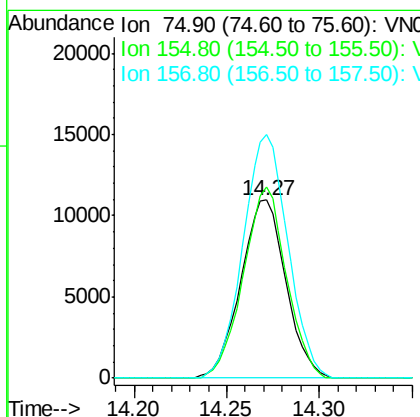
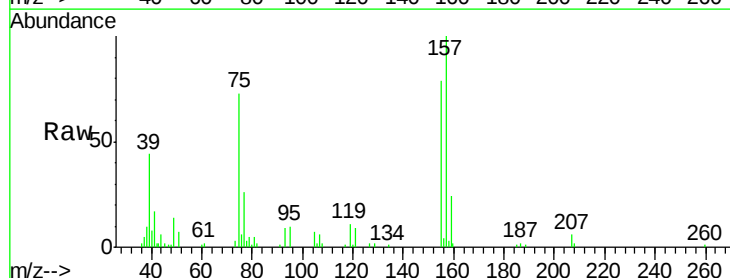
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.203 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18510		
155	102.2	48.9	146.7	
157	135.9	63.7	191.3	





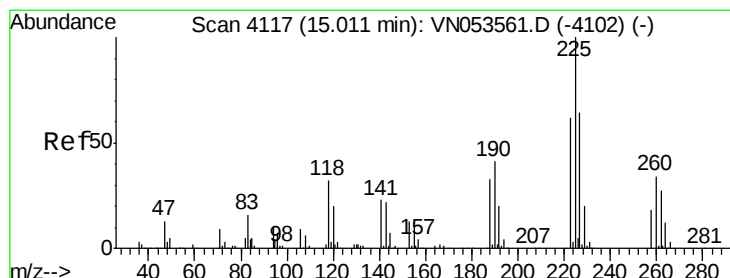
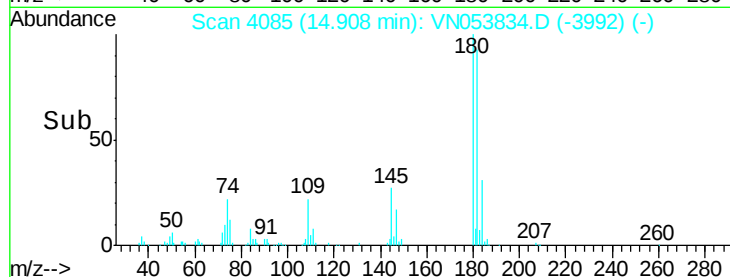
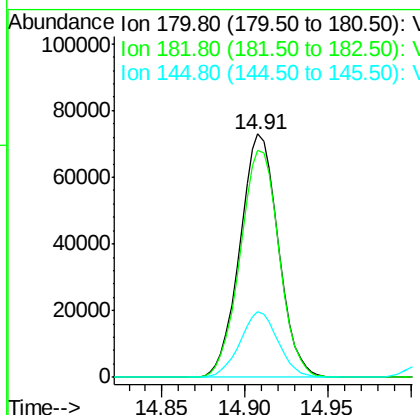
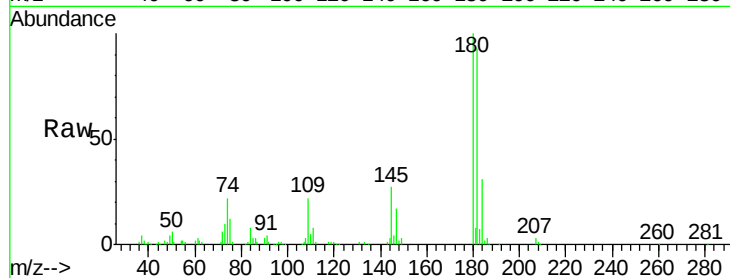
#93
 1,2,4-Trichlorobenzene
 Concen: 17.288 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	48.1	144.3	
145	26.6	13.9	41.6	

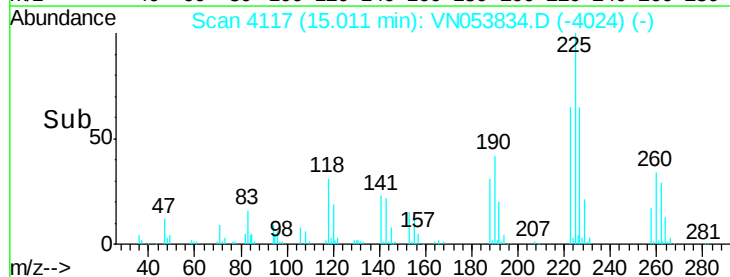
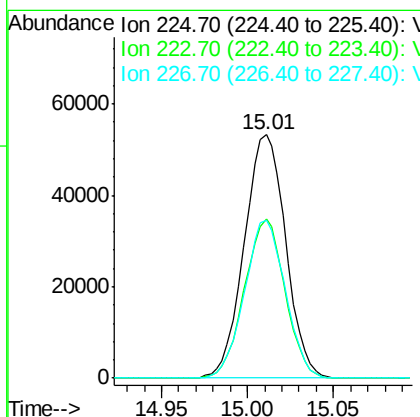
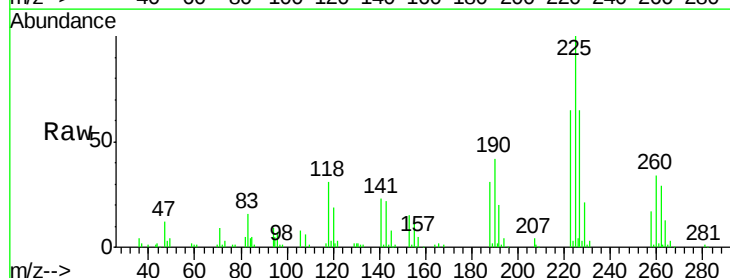
Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 12:31:16 PM



#94
 Hexachlorobutadiene
 Concen: 20.960 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053834.D
 Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.1	93.2	
227	63.7	32.0	96.2	





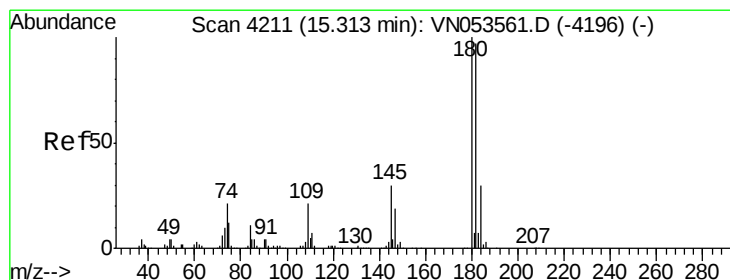
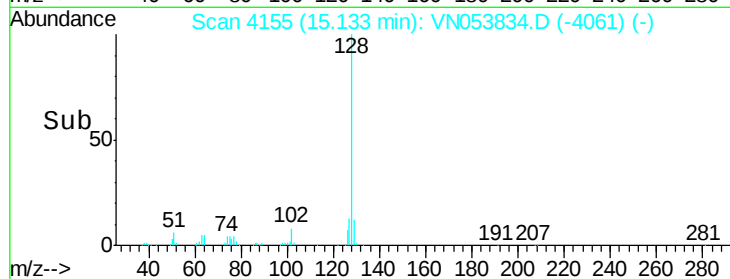
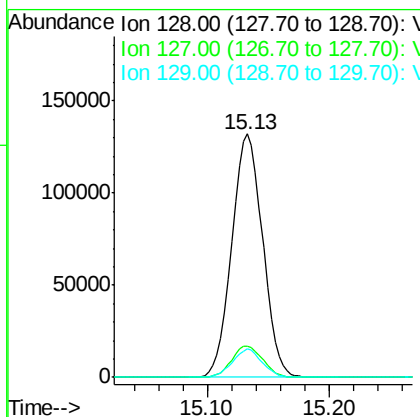
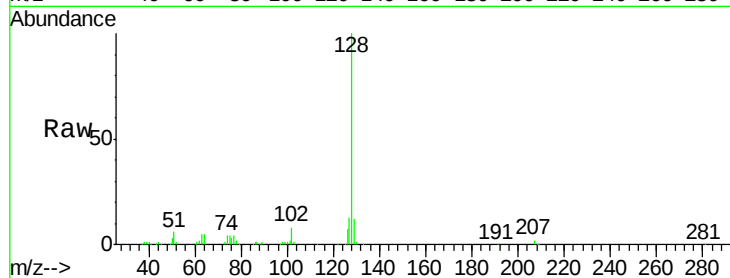
#95
Naphthalene
Concen: 15.734 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	231928		
127	13.0		10.3	15.5
129	11.2		8.6	13.0

Manual Integrations
APPROVED

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2/19/2019 12:31:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.804 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053834.D
Acq: 18 Feb 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	118792		
182	94.6		47.9	143.8
145	29.7		14.7	44.1

