

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053817.D
 Acq On : 15 Feb 2019 23:46
 Operator : JC/SP
 Sample : VN0215WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 9:48:40 AM

Quant Time: Feb 16 00:27:23 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	551534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	896377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	825665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	316149	57.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.28%	
35) Dibromofluoromethane	7.59	113	305493	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
50) Toluene-d8	10.09	98	1081686	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	356811	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110363	17.967	ug/l	96
3) Chloromethane	2.06	50	130941	19.998	ug/l	100
4) Vinyl Chloride	2.19	62	140644	22.127	ug/l	99
5) Bromomethane	2.58	94	96923	23.321	ug/l	97
6) Chloroethane	2.71	64	84609	23.294	ug/l	97
7) Trichlorofluoromethane	3.02	101	187010	21.696	ug/l	99
8) Diethyl Ether	3.41	74	68996	21.918	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	106761	20.027	ug/l	99
10) Methyl Iodide	3.96	142	154188	18.428	ug/l	99
11) Tert butyl alcohol	4.78	59	35838	109.445	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	101130	19.801	ug/l	96
13) Acrolein	3.61	56	20527	115.136	ug/l	97
14) Allyl chloride	4.33	41	160141	19.693	ug/l	98
15) Acrylonitrile	4.99	53	198762	112.437	ug/l	99
16) Acetone	3.82	43	127738	90.006	ug/l	99
17) Carbon Disulfide	4.06	76	267866	16.844	ug/l	99
18) Methyl Acetate	4.32	43	102512	24.390	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	286717	22.145	ug/l	99
20) Methylene Chloride	4.56	84	122253	20.532	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	110137	19.988	ug/l	94
22) Diisopropyl ether	5.95	45	339903	22.558	ug/l	97
23) Vinyl Acetate	5.90	43	1086238	104.208	ug/l	98
24) 1,1-Dichloroethane	5.85	63	213705	21.264	ug/l	100
25) 2-Butanone	6.84	43	215244	106.340	ug/l	98
26) 2,2-Dichloropropane	6.83	77	137366	17.905	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	135398	22.098	ug/l	96
28) Bromochloromethane	7.20	49	92293	21.162	ug/l	95
29) Tetrahydrofuran	7.21	42	139851	107.599	ug/l	97
30) Chloroform	7.37	83	213360	21.416	ug/l	100
31) Cyclohexane	7.66	56	172768	18.357	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	176563	21.296	ug/l	98
36) 1,1-Dichloropropene	7.79	75	145088	17.956	ug/l	98
37) Ethyl Acetate	6.93	43	93215	20.655	ug/l	98
38) Carbon Tetrachloride	7.78	117	155114	19.056	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	160670	16.760	ug/l	97
40) Benzene	8.04	78	472511	18.963	ug/l	99
41) Methacrylonitrile	7.18	41	50654m	20.083	ug/l	
42) 1,2-Dichloroethane	8.13	62	144328	19.508	ug/l	100
43) Isopropyl Acetate	8.17	43	164509	18.876	ug/l #	88
44) Trichloroethene	8.84	130	128737	18.148	ug/l	99
45) 1,2-Dichloropropane	9.12	63	128254	20.124	ug/l	99
46) Dibromomethane	9.21	93	76104	19.809	ug/l	97
47) Bromodichloromethane	9.40	83	160628	20.109	ug/l	99
48) Methyl methacrylate	9.20	41	82645	19.866	ug/l	99
49) 1,4-Dioxane	9.20	88	23758	417.809	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	442722	103.374	ug/l	99
52) Toluene	10.16	92	287165	19.418	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	149996	18.752	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	177286	18.704	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	114654	21.516	ug/l	98
56) Ethyl methacrylate	10.43	69	129494	20.541	ug/l	98
57) 1,3-Dichloropropane	10.71	76	189363	20.792	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	270561	74.996	ug/l	98
59) 2-Hexanone	10.75	43	285062	98.046	ug/l	100
60) Dibromochloromethane	10.90	129	126323	21.021	ug/l	99
61) 1,2-Dibromoethane	11.01	107	108402	20.553	ug/l	98
64) Tetrachloroethene	10.63	164	133824	18.908	ug/l	99
65) Chlorobenzene	11.44	112	340242	19.400	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	126013	20.574	ug/l	99
67) Ethyl Benzene	11.51	91	546337	18.964	ug/l	100
68) m/p-Xylenes	11.62	106	425840	38.728	ug/l	99
69) o-Xylene	11.95	106	199175	18.750	ug/l	99
70) Styrene	11.96	104	315390	18.318	ug/l	99
71) Bromoform	12.13	173	83956	19.994	ug/l #	97
73) Isopropylbenzene	12.25	105	518187	20.740	ug/l	100
74) N-amyl acetate	12.07	43	118977	19.803	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	127356	21.298	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96222m	21.078	ug/l	
77) Bromobenzene	12.53	156	140147	20.813	ug/l	97
78) n-propylbenzene	12.59	91	583371	20.198	ug/l	100
79) 2-Chlorotoluene	12.68	91	351233	20.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	438301	21.155	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27923	17.200	ug/l	93
82) 4-Chlorotoluene	12.77	91	345792	19.665	ug/l	100
83) tert-Butylbenzene	12.99	119	394519	21.545	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	442094	20.944	ug/l	99
85) sec-Butylbenzene	13.17	105	529009	21.229	ug/l	100
86) p-Isopropyltoluene	13.29	119	451228	20.705	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	238590	19.710	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	230046	19.212	ug/l	99
89) n-Butylbenzene	13.62	91	355008	18.820	ug/l	100
90) Hexachloroethane	13.87	117	78864	21.938	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	236980	20.450	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17914	21.021	ug/l	97

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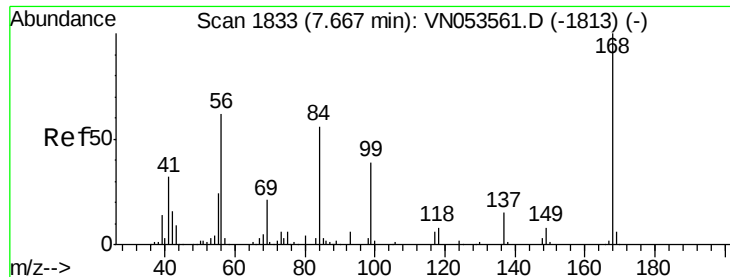
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	114088	17.165	ug/l	100
94) Hexachlorobutadiene	15.01	225	88452	21.370	ug/l	98
95) Naphthalene	15.13	128	218152	15.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	113036	18.329	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion:168 Resp: 551534

Ion Ratio Lower Upper

168 100

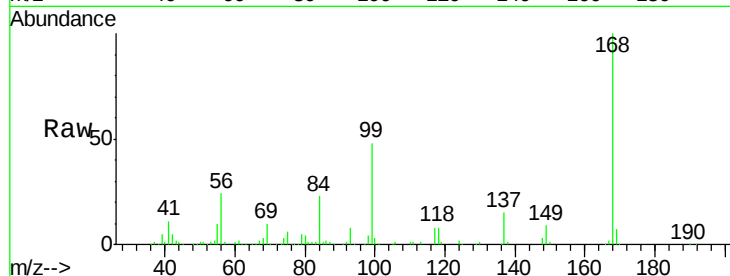
99 45.7 39.1 58.7

Manual Integrations

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2/18/2019 9:48:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

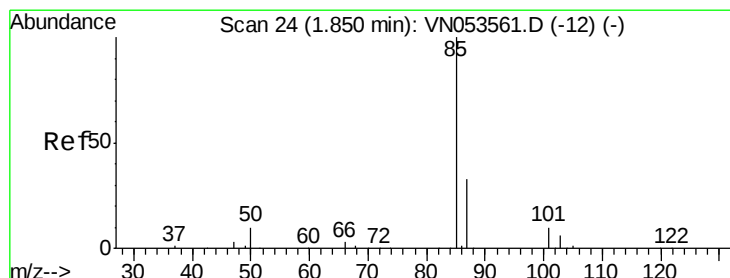
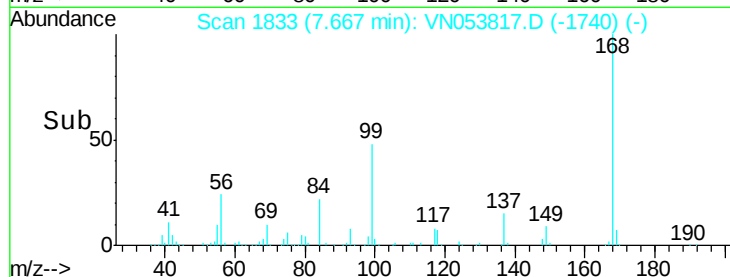
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.967 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053817.D

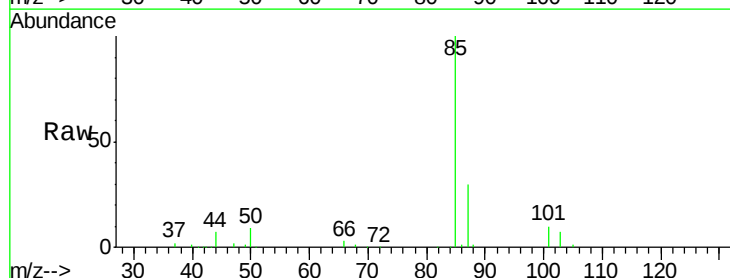
Acq: 15 Feb 2019 23:46

Tgt Ion: 85 Resp: 110363

Ion Ratio Lower Upper

85 100

87 30.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

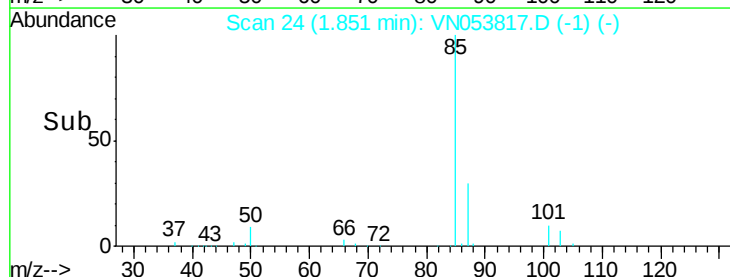
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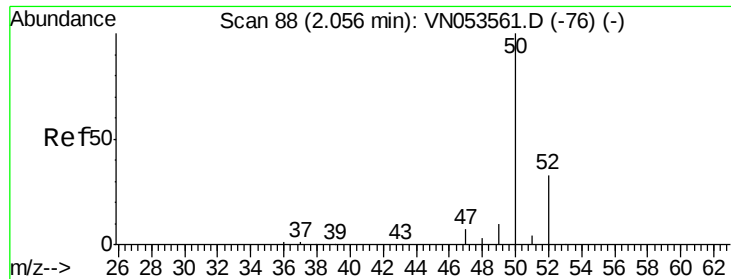
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.998 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion: 50 Resp: 130941

Ion Ratio Lower Upper

50 100

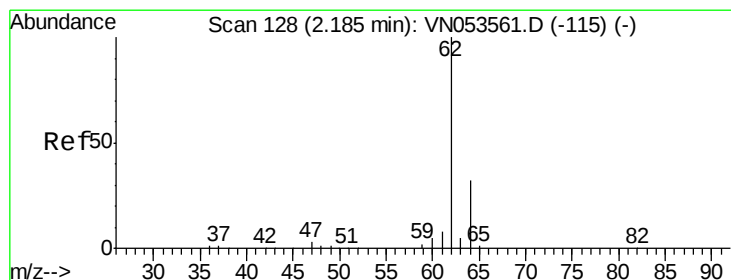
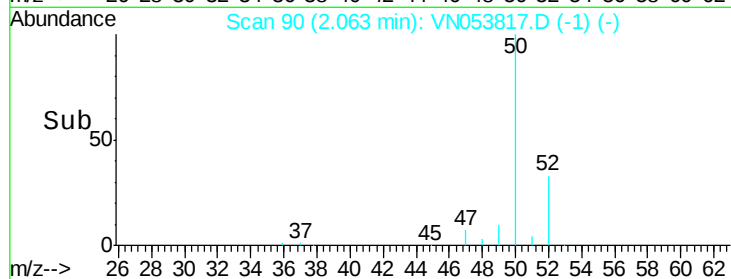
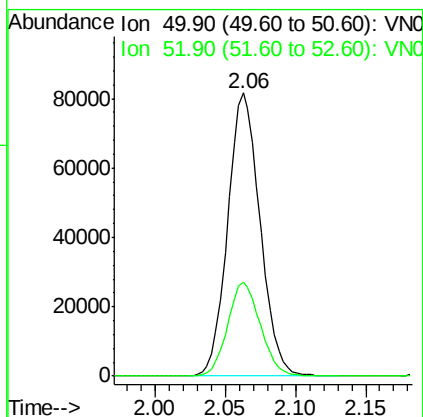
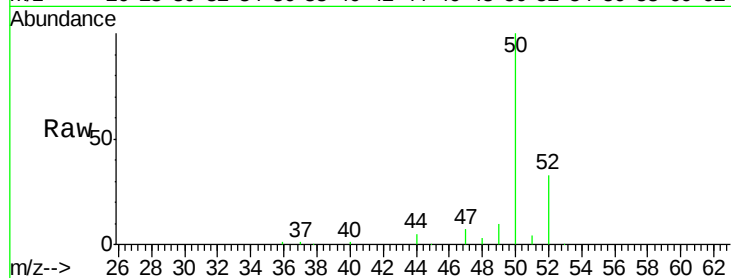
52 33.3 26.6 40.0

Manual Integrations

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2/18/2019 9:48:40 AM



#4

Vinyl Chloride

Concen: 22.127 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN053817.D

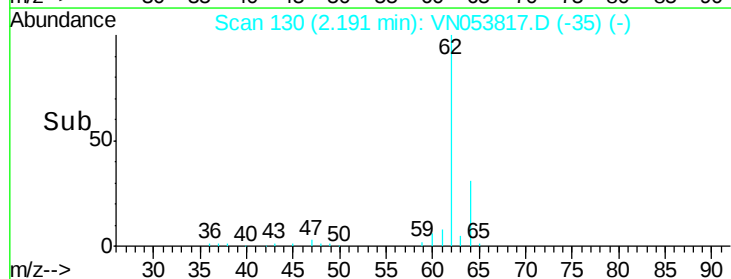
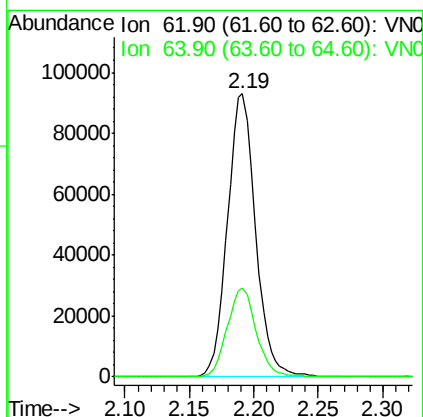
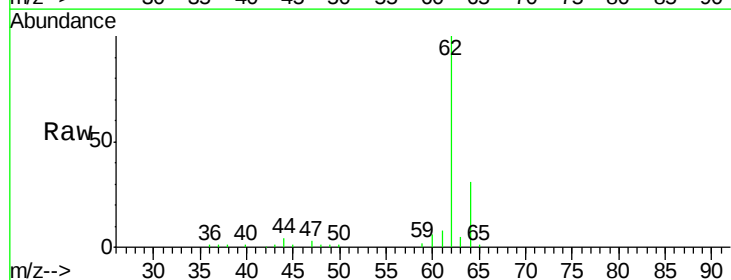
Acq: 15 Feb 2019 23:46

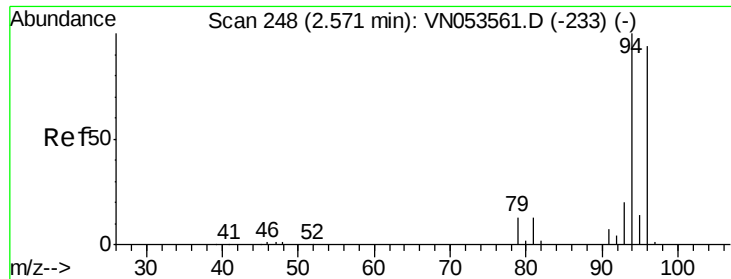
Tgt Ion: 62 Resp: 140644

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 23.321 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 96923

Ion Ratio Lower Upper

94 100

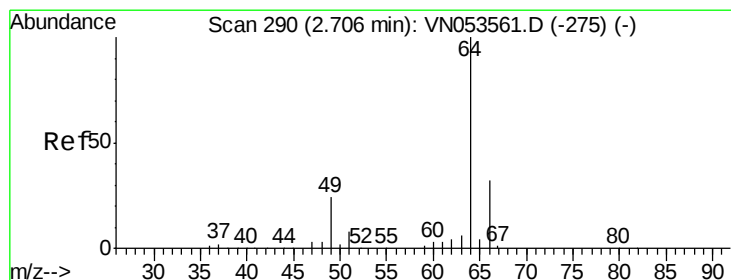
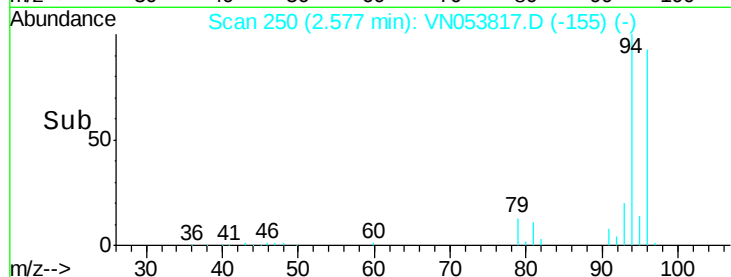
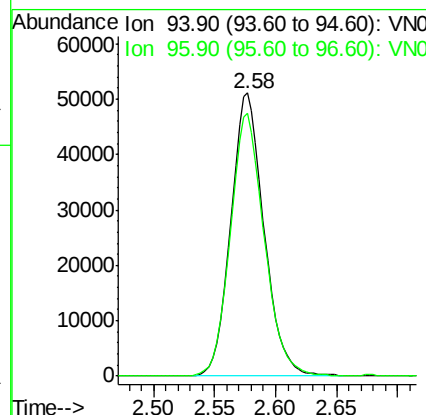
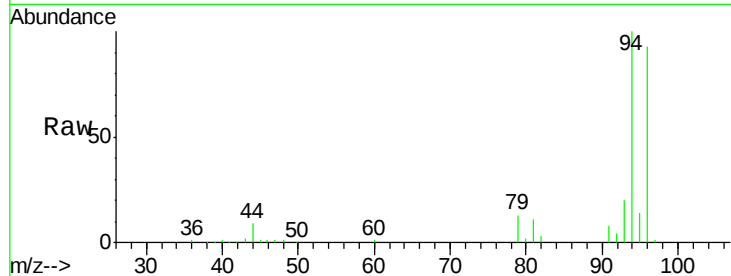
96 92.7 76.8 115.2

Manual Integrations

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2/18/2019 9:48:40 AM



#6

Chloroethane

Concen: 23.294 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN053817.D

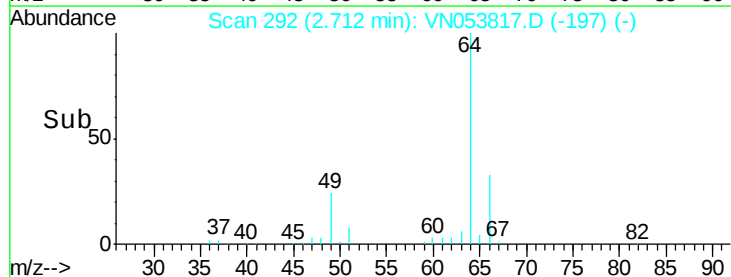
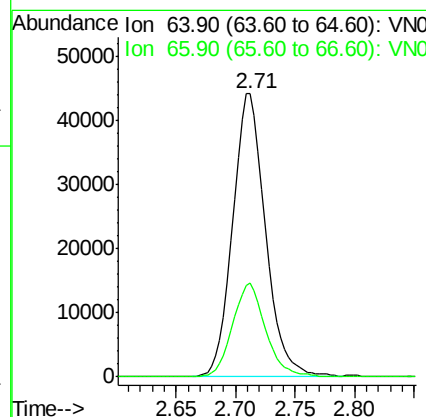
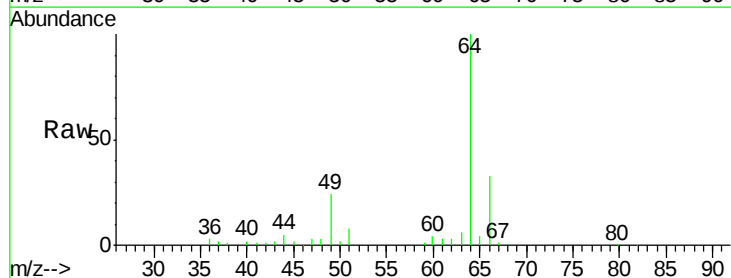
Acq: 15 Feb 2019 23:46

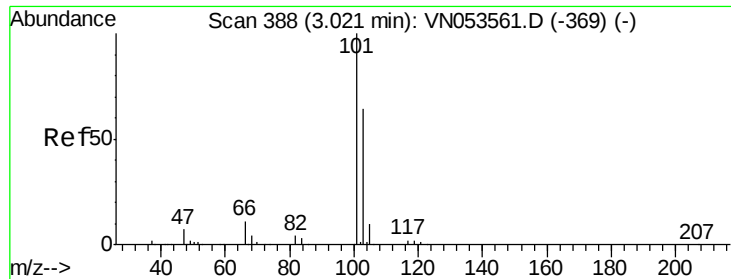
Tgt Ion: 64 Resp: 84609

Ion Ratio Lower Upper

64 100

66 33.2 25.1 37.7





#7

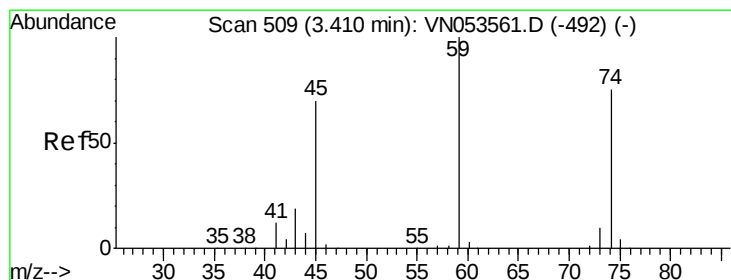
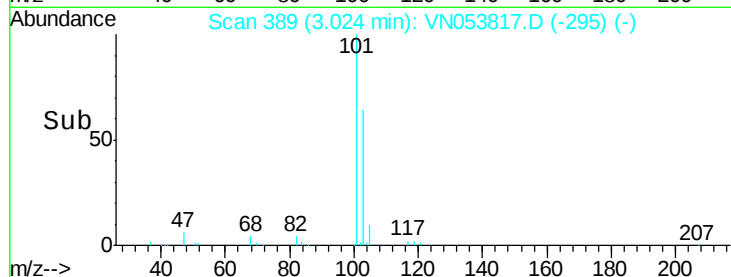
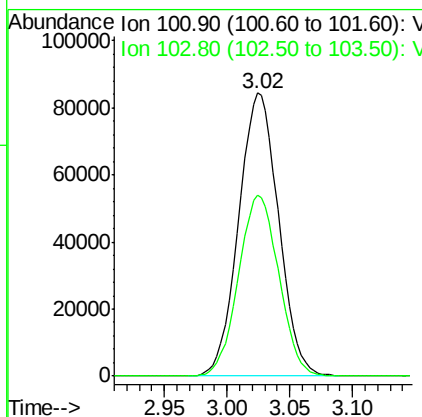
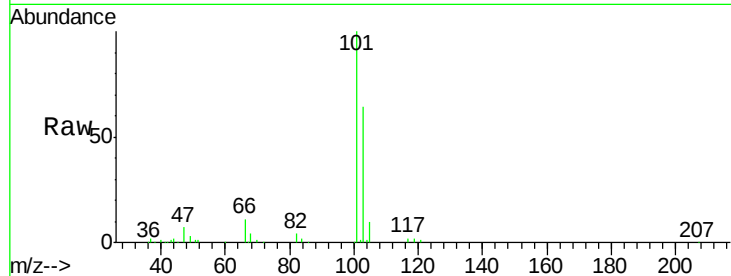
Trichlorofluoromethane
 Concen: 21.696 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
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 ClientSampleId :
 VN0215WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.6	77.4

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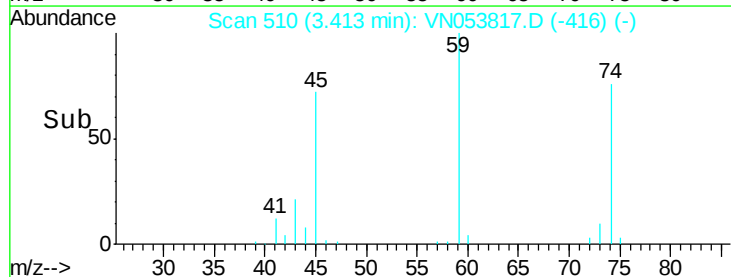
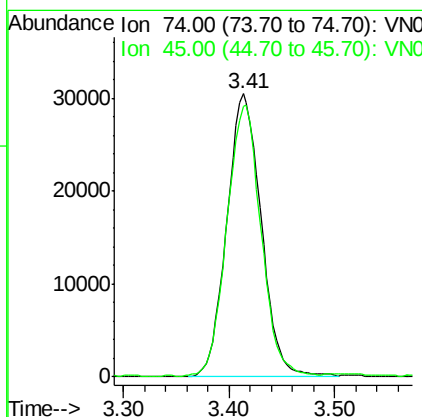
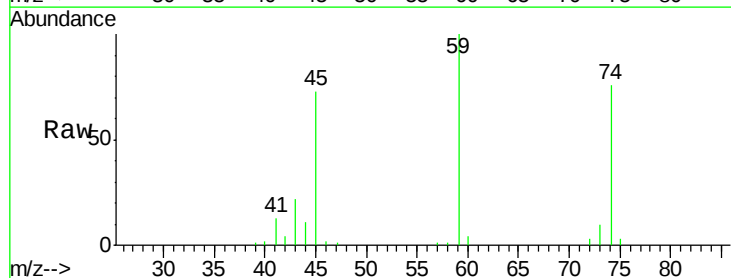
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 2/18/2019 9:48:40 AM



#8

Diethyl Ether
 Concen: 21.918 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	47.9	143.7





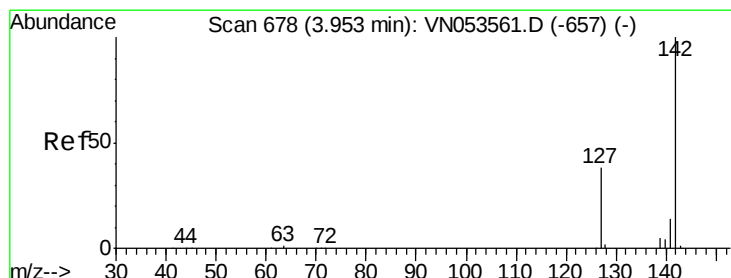
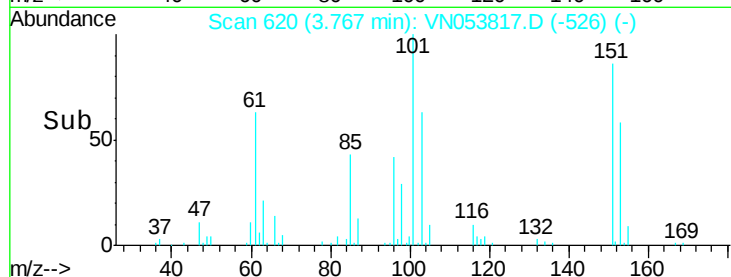
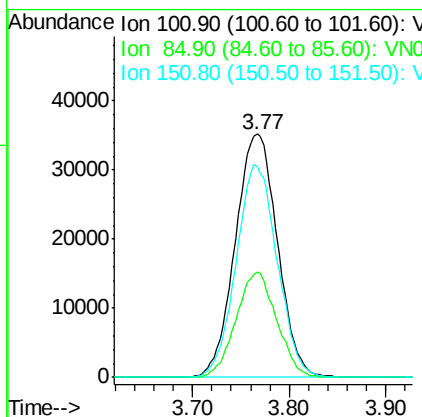
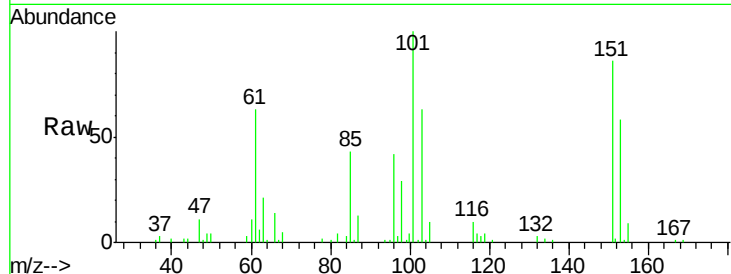
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.027 ug/l
RT: 3.77 min Scan# 620
Delta R.T. 0.00 min
Lab File: VN053817.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	106761		
85	41.4	32.8	49.2	
151	85.0	66.9	100.3	

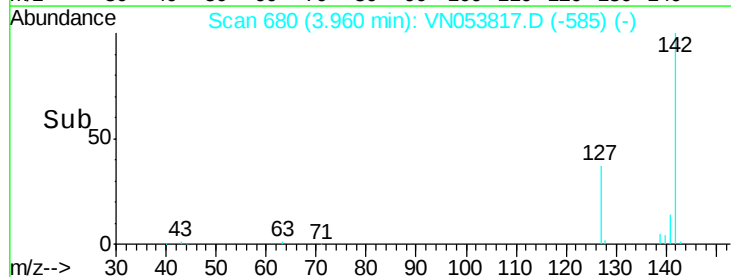
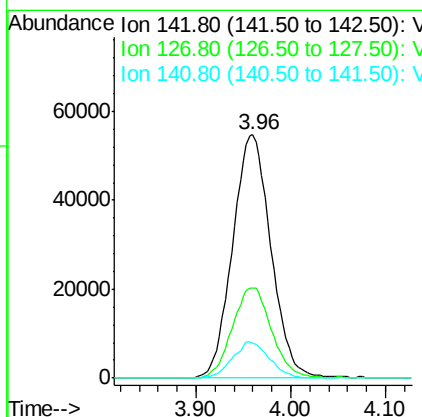
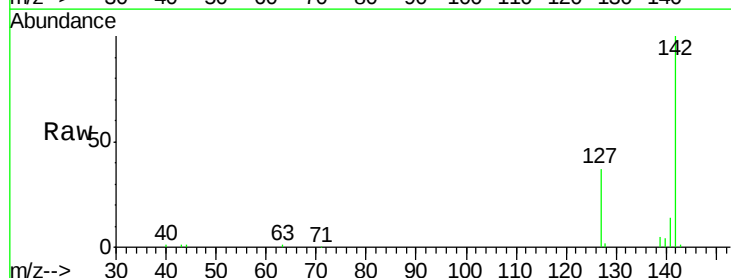
Manual Integrations
APPROVED

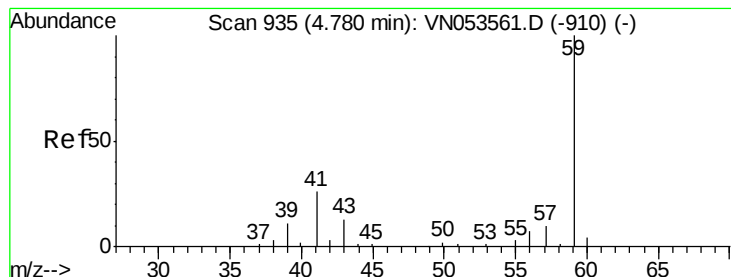
MMDadoda
2/18/2019 9:48:40 AM



#10
Methyl Iodide
Concen: 18.428 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	154188		
127	37.9	31.0	46.4	
141	14.3	11.1	16.7	





#11

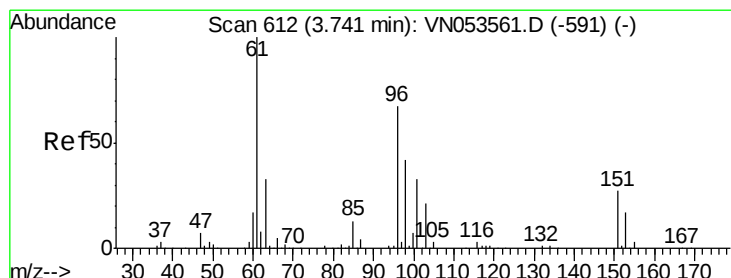
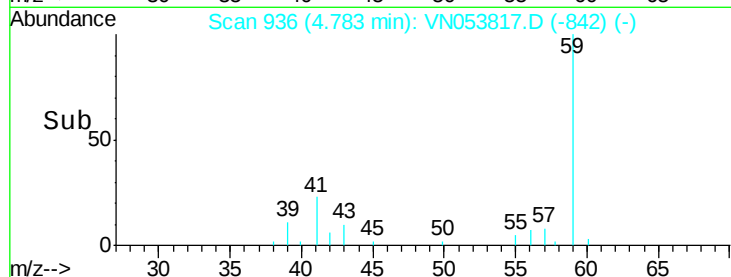
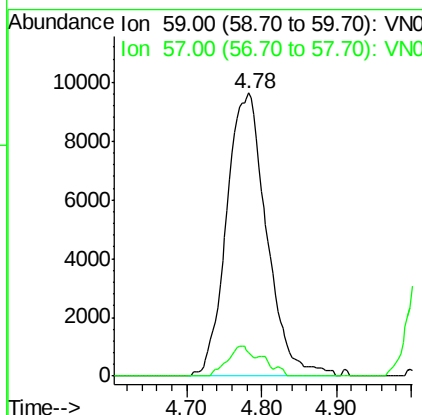
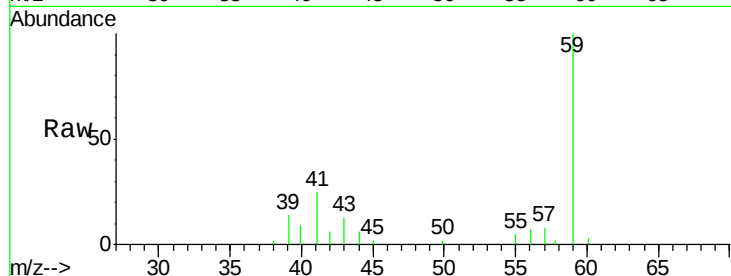
Tert butyl alcohol
Concen: 109.445 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	35838		
57	6.5		8.2	12.4#

Manual Integrations
APPROVED

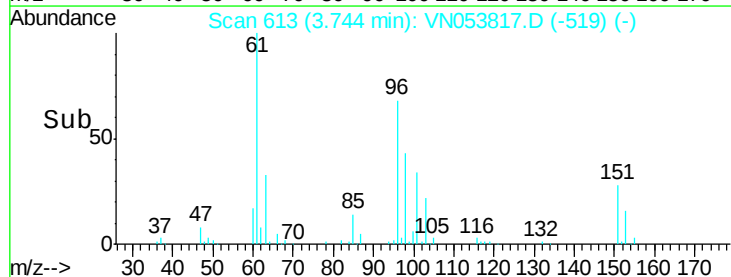
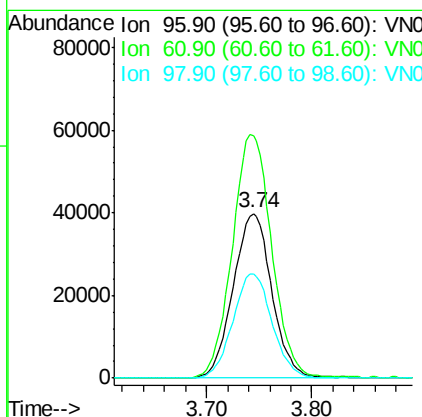
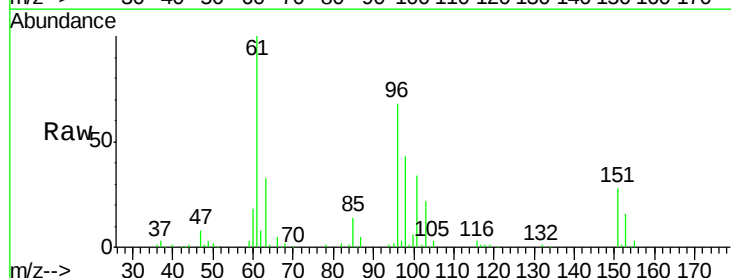
MMDadoda
2/18/2019 9:48:40 AM

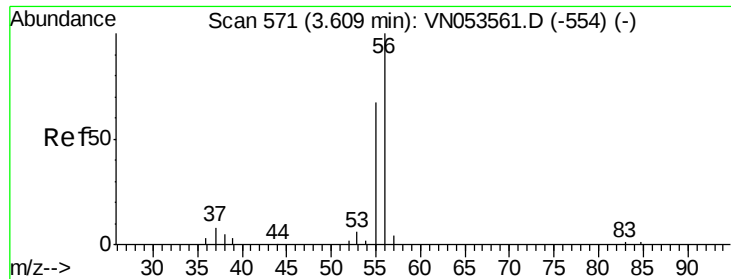


#12

1,1-Dichloroethene
Concen: 19.801 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	101130		
61	147.6		122.9	184.3
98	63.4		49.4	74.0





#13

Acrolein

Concen: 115.136 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion: 56 Resp: 20527

Ion Ratio Lower Upper

56 100

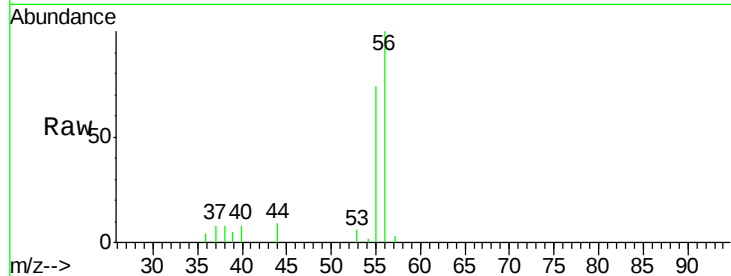
55 68.9 57.4 86.0

Manual Integrations

APPROVED

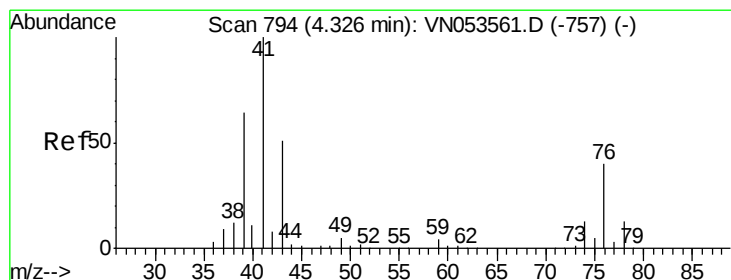
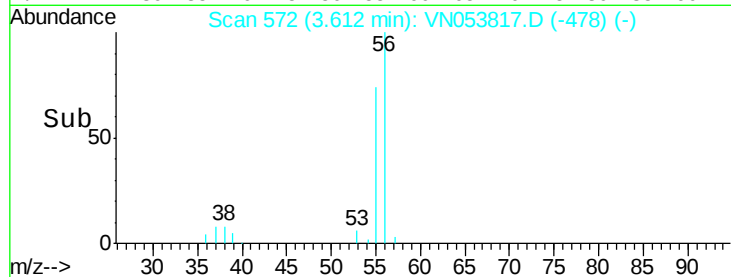
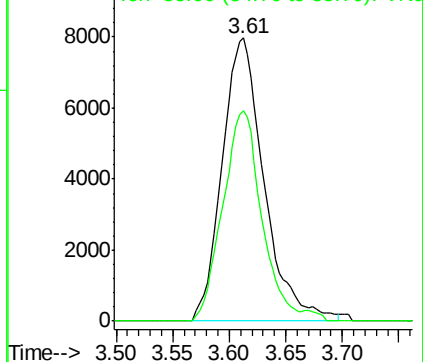
MMDadoda

2/18/2019 9:48:40 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.693 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

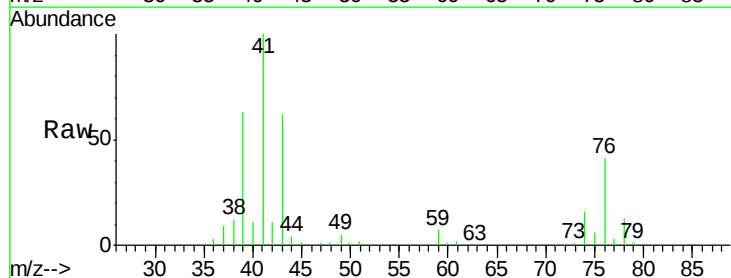
Tgt Ion: 41 Resp: 160141

Ion Ratio Lower Upper

41 100

39 60.7 48.9 73.3

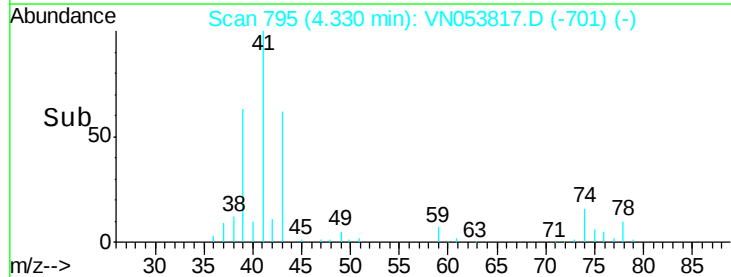
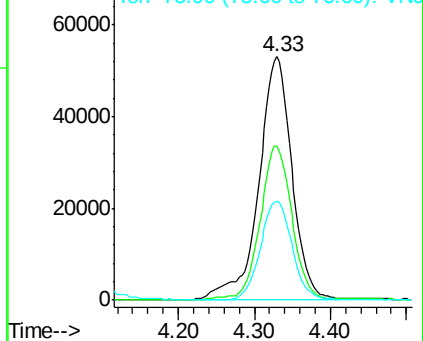
76 38.9 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 112.437 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

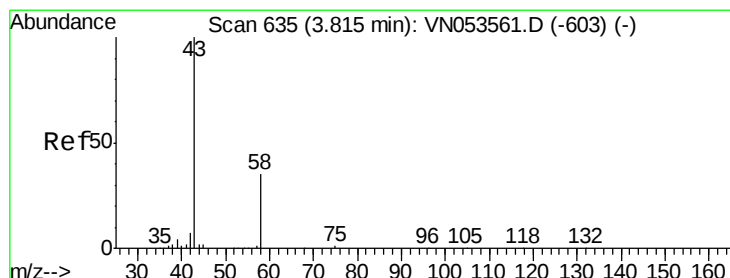
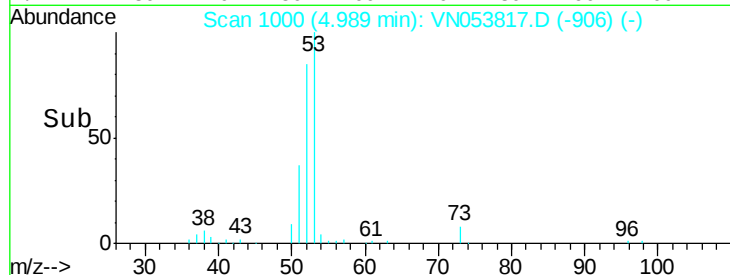
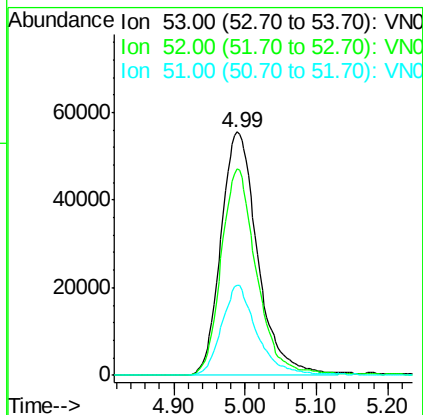
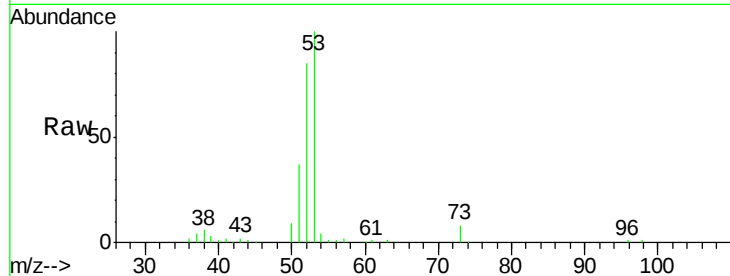
ClientSampleId :

VN0215WBS02

Tot Ion:	53	Resp:	198762
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.0	99.0
51	35.4	28.3	42.5

Manual Integrations
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2/18/2019 9:48:40 AM



#16

Acetone

Concen: 90.006 ug/l

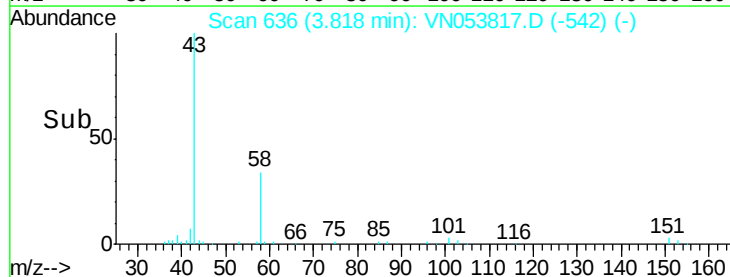
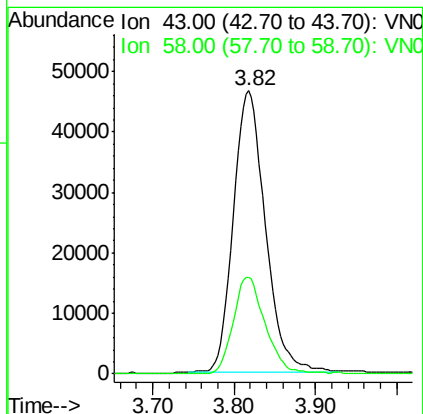
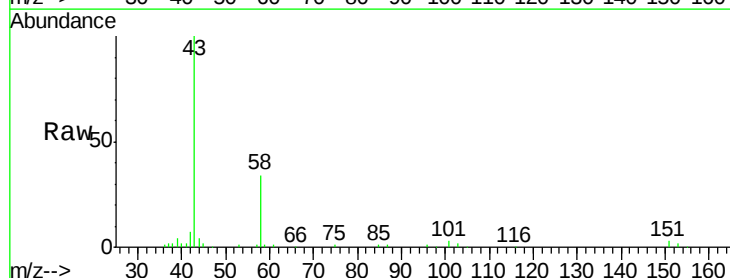
RT: 3.82 min Scan# 636

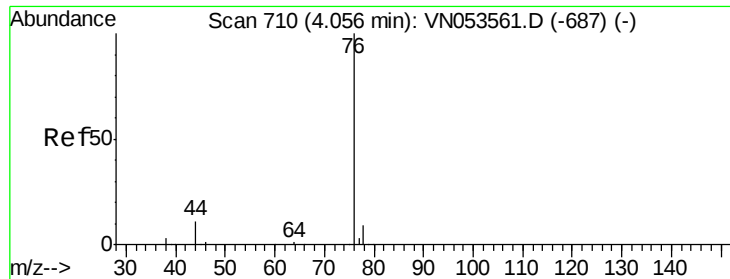
Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion:	43	Resp:	127738
Ion Ratio	Lower	Upper	
43	100		
58	34.4	27.1	40.7





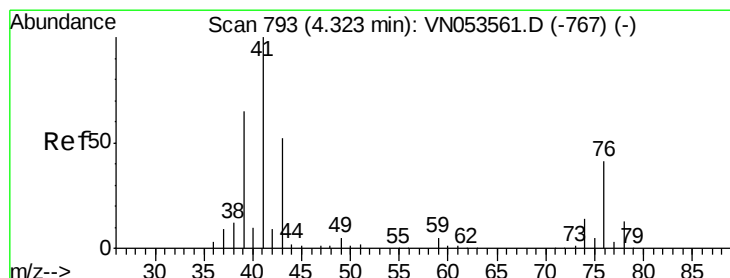
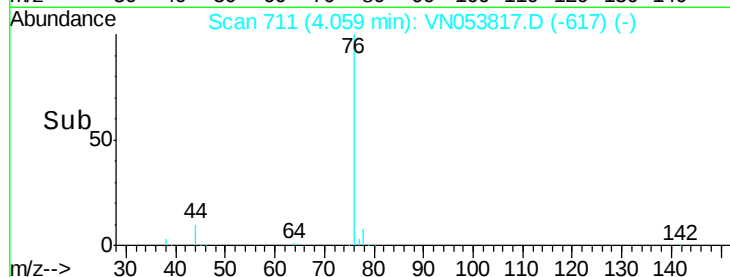
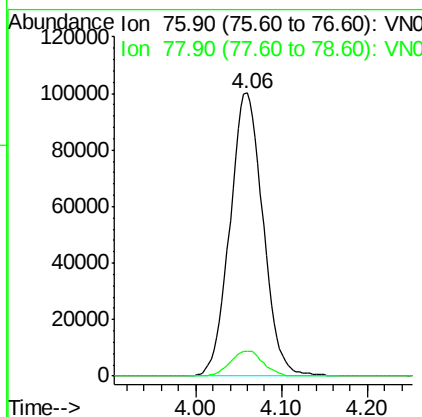
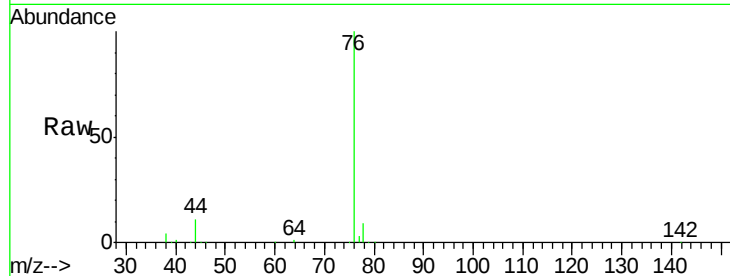
#17
Carbon Disulfide
Concen: 16.844 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

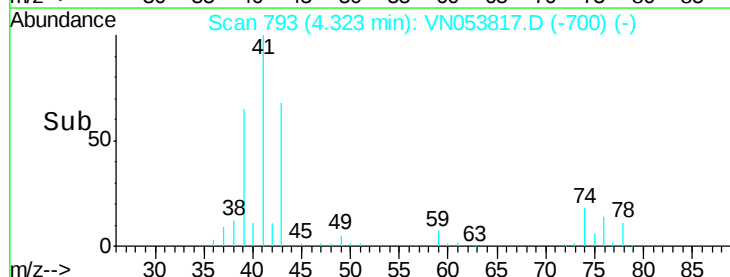
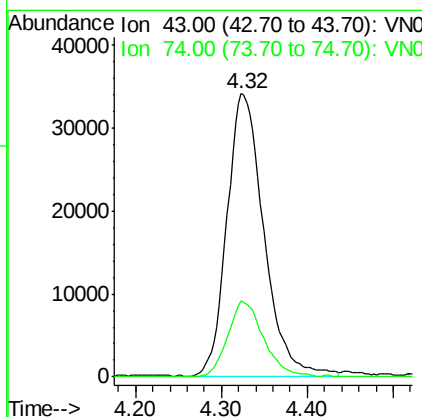
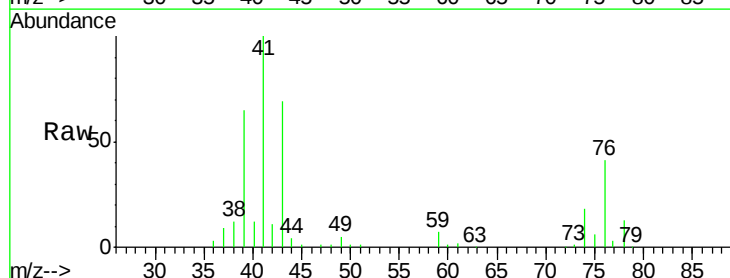
Manual Integrations
APPROVED

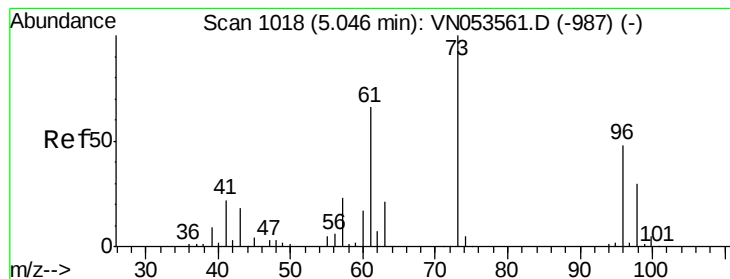
MMDadoda
2/18/2019 9:48:40 AM



#18
Methyl Acetate
Concen: 24.390 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	19.4	29.2





#19

Methyl tert-butyl Ether

Concen: 22.145 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tot Ion: 73 Resp: 286717

Ion Ratio Lower Upper

73 100

57 23.3 18.3 27.5

Instrument :

MSVOA_N

ClientSampleId :

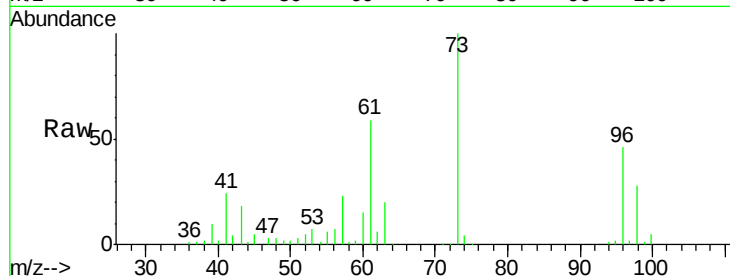
VN0215WBS02

Manual Integrations

APPROVED

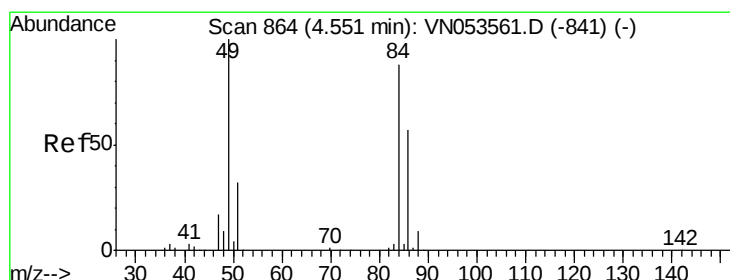
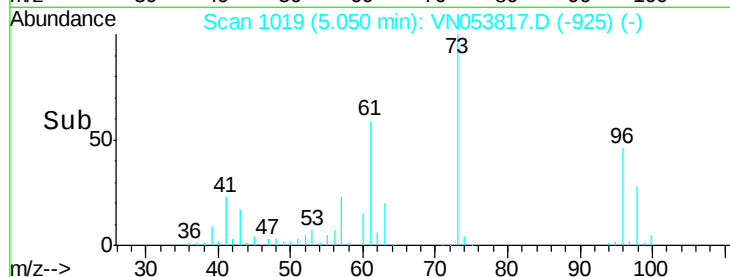
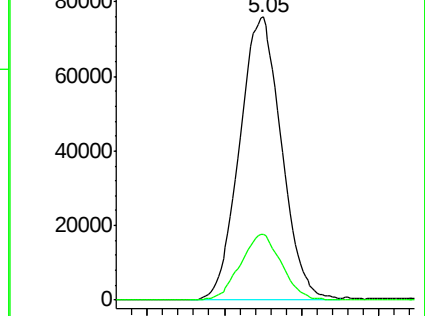
MMDadoda

2/18/2019 9:48:40 AM



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 20.532 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.01 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion: 84 Resp: 122253

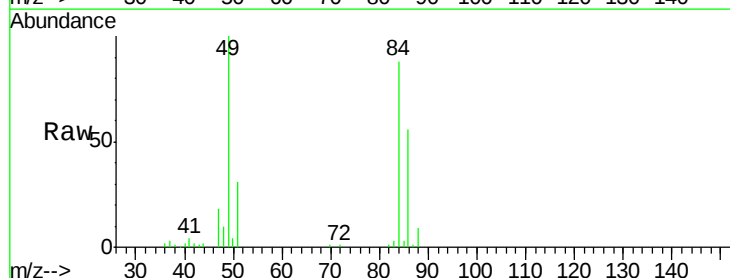
Ion Ratio Lower Upper

84 100

49 114.1 94.3 141.5

51 35.1 29.4 44.2

86 64.3 51.4 77.0

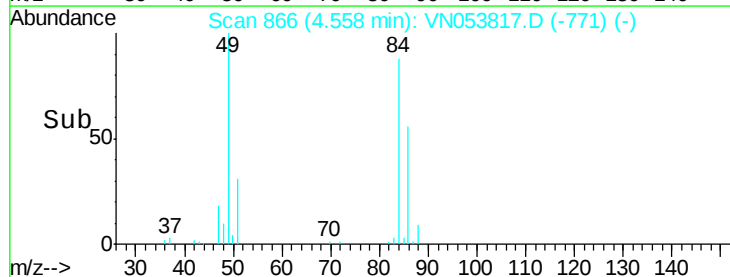
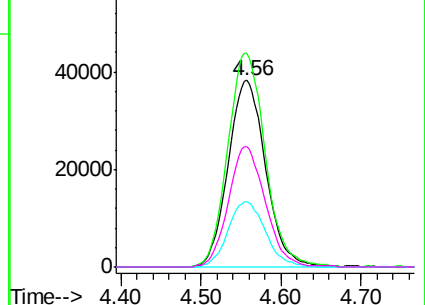


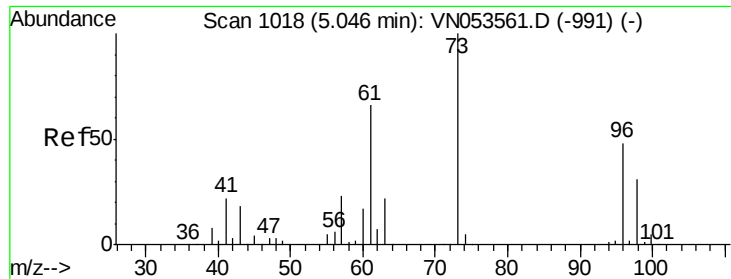
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 19.988 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion: 96 Resp: 110137

Ion Ratio Lower Upper

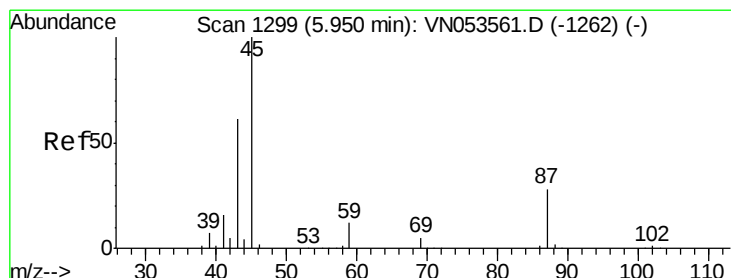
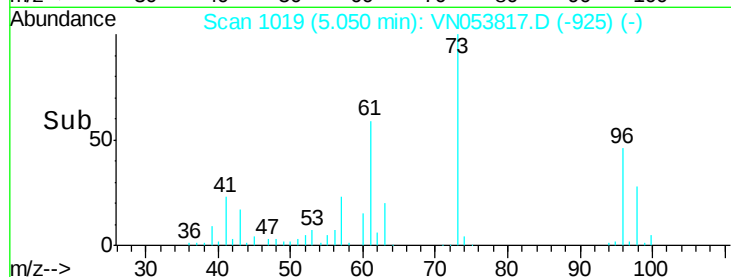
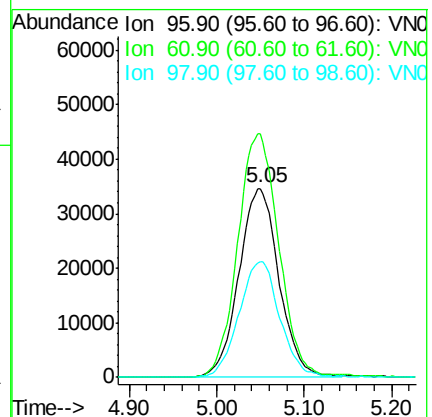
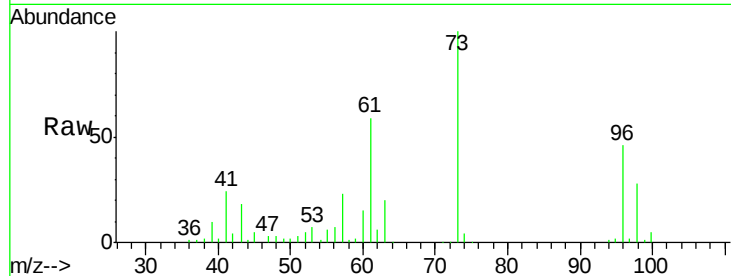
96 100

61 128.8 110.1 165.1

98 61.1 50.0 75.0

Manual Integrations
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MMDadoda
2/18/2019 9:48:40 AM



#22

Diisopropyl ether

Concen: 22.558 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion: 45 Resp: 339903

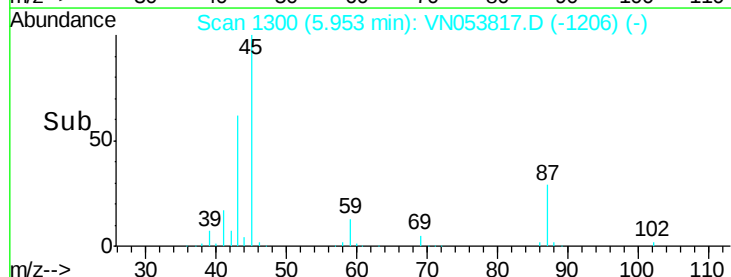
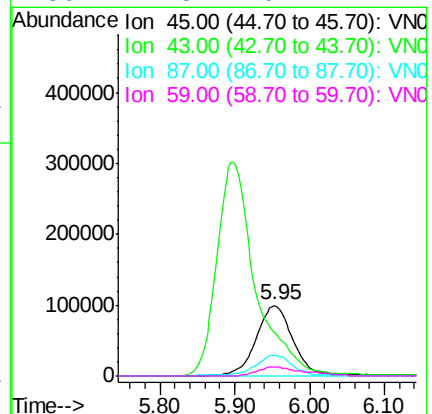
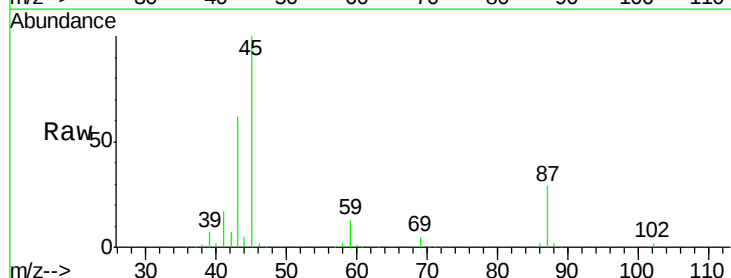
Ion Ratio Lower Upper

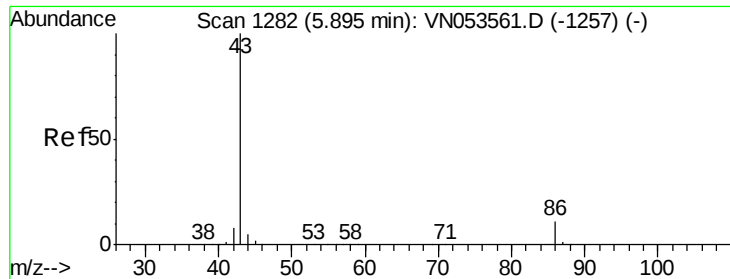
45 100

43 58.1 44.2 66.4

87 28.0 22.7 34.1

59 12.3 9.4 14.2





#23

Vinyl Acetate

Concen: 104.208 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion: 43 Resp: 1086238

Ion Ratio Lower Upper

43 100

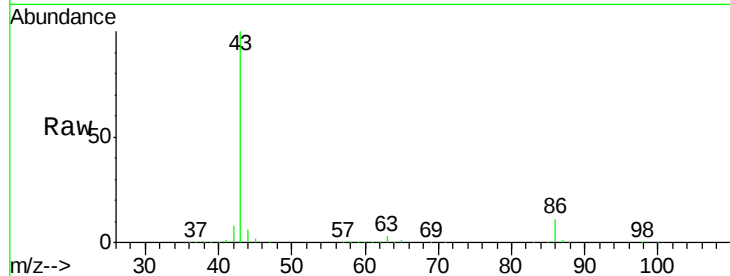
86 11.2 8.4 12.6

Manual Integrations

APPROVED

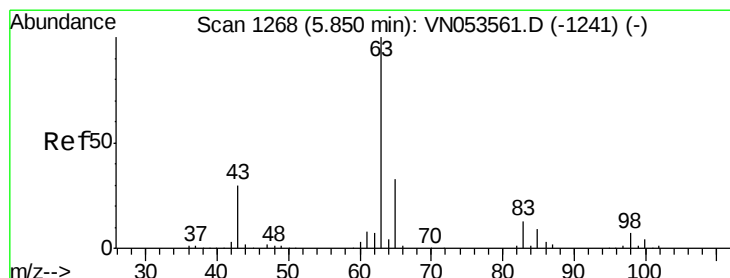
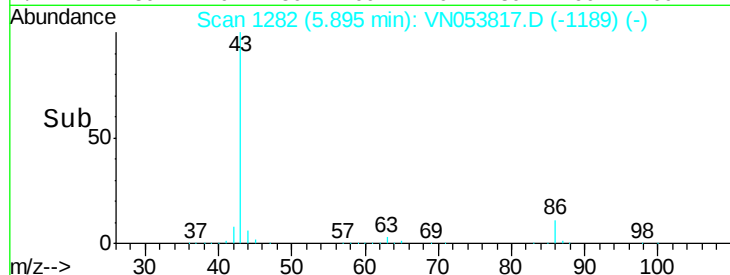
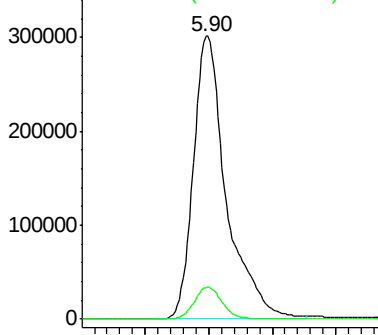
MMDadoda

2/18/2019 9:48:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.264 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

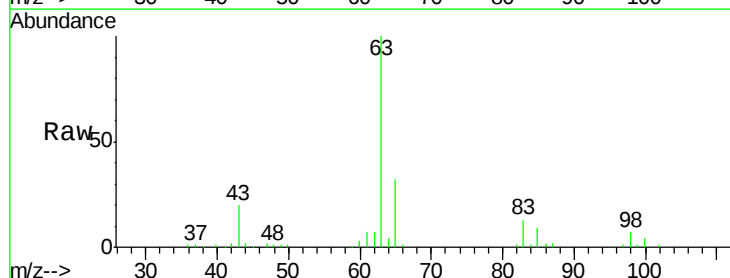
Tgt Ion: 63 Resp: 213705

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

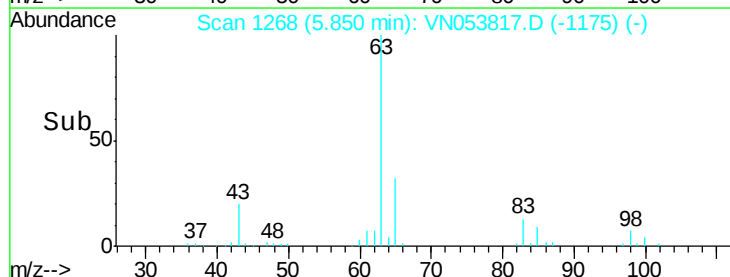
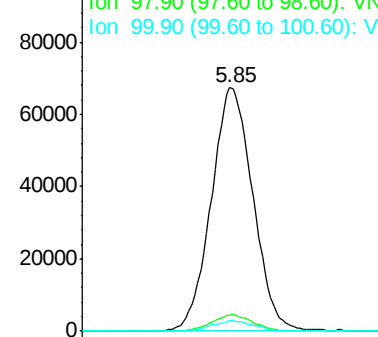
100 4.2 2.1 6.5

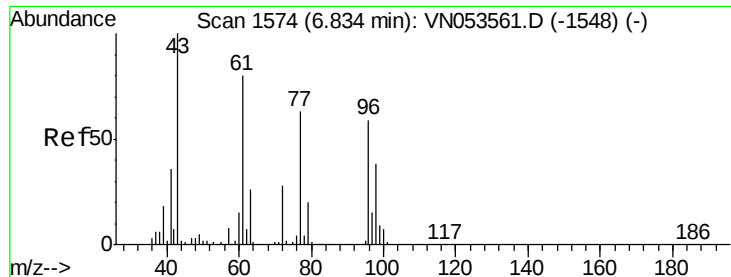


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





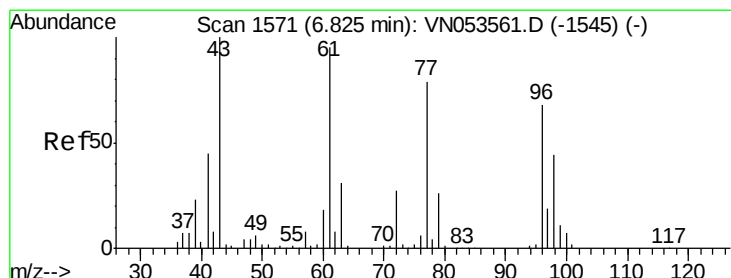
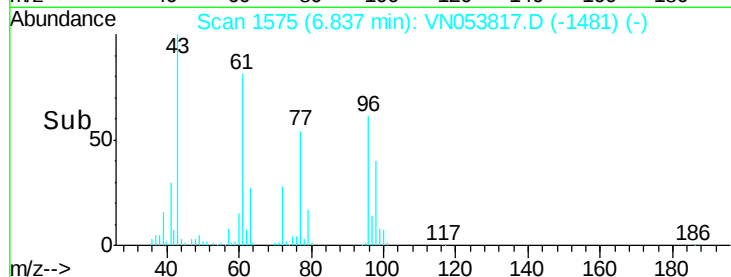
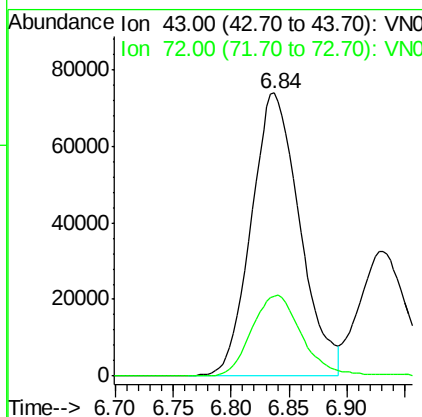
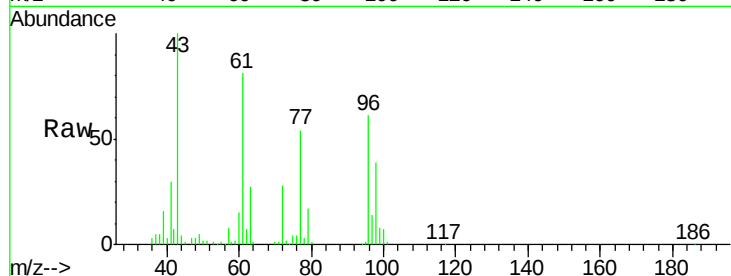
#25
2-Butanone
Concen: 106.340 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion: 43 Resp: 215244
Ion Ratio Lower Upper
43 100
72 28.4 22.0 33.0

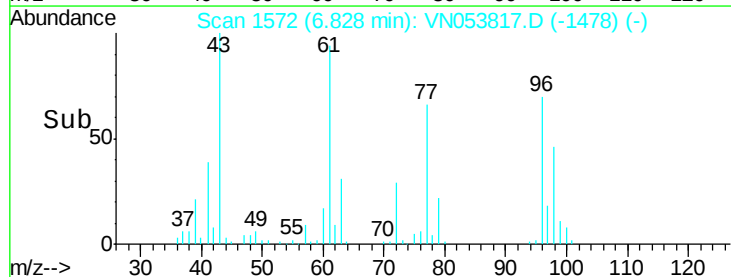
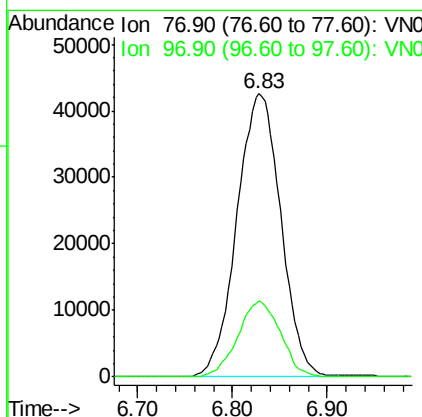
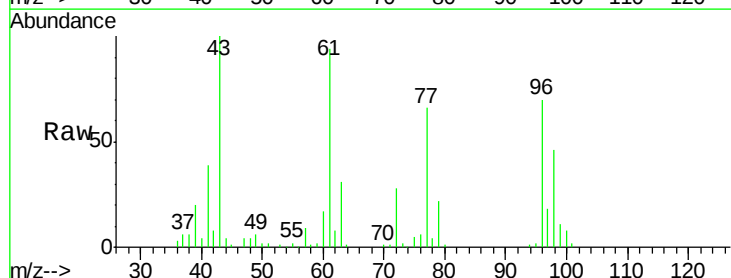
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 17.905 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion: 77 Resp: 137366
Ion Ratio Lower Upper
77 100
97 26.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 22.098 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

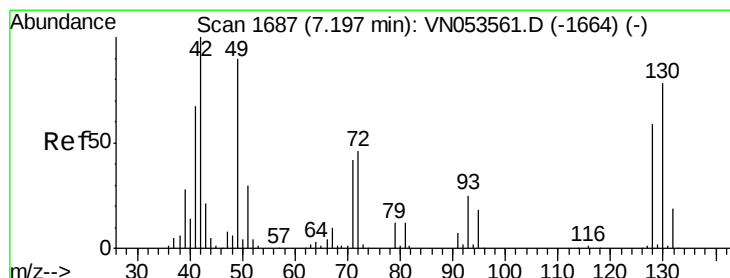
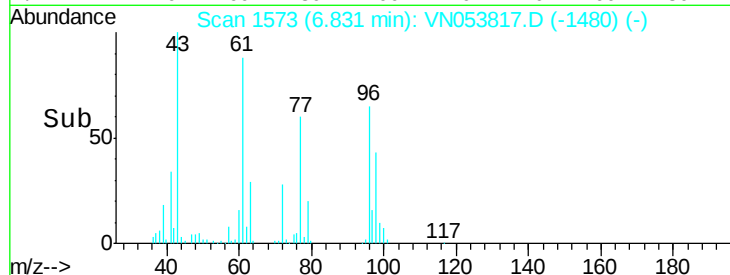
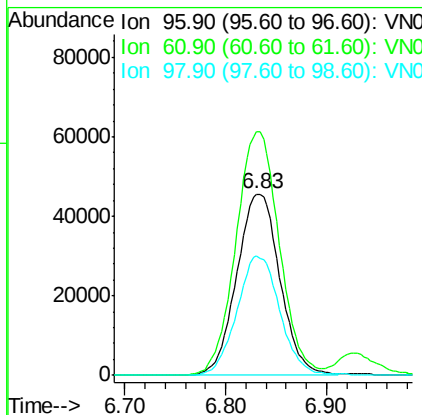
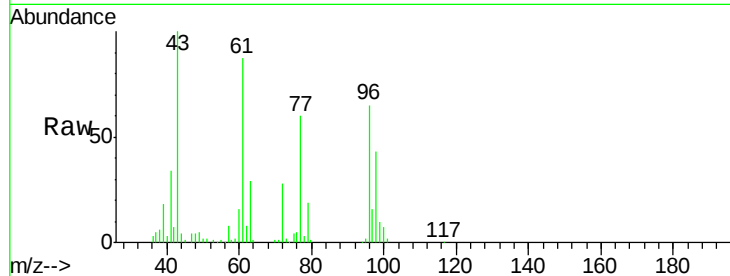
ClientSampleId :

VN0215WBS02

Tot Ion:	96	Resp:	135398
Ion Ratio	Lower	Upper	
96	100		
61	135.2	0.0	283.8
98	65.7	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 21.162 ug/l

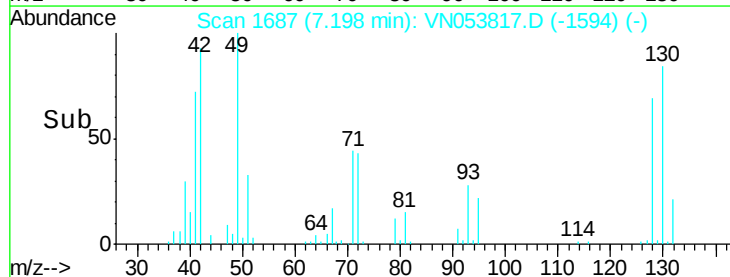
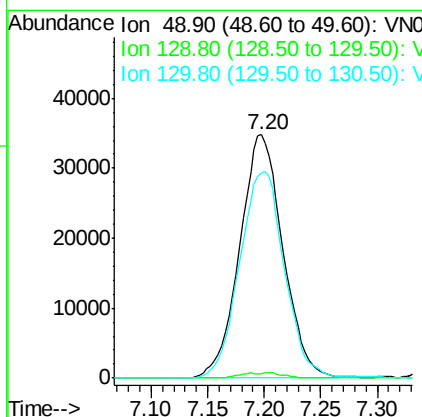
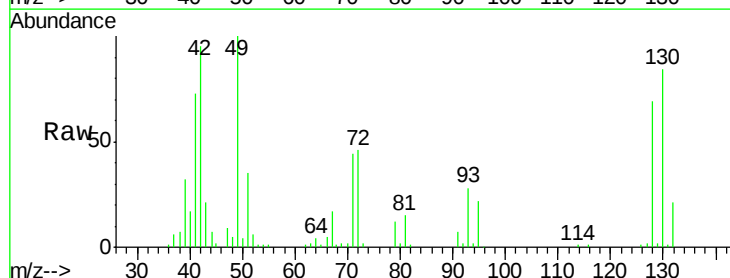
RT: 7.20 min Scan# 1687

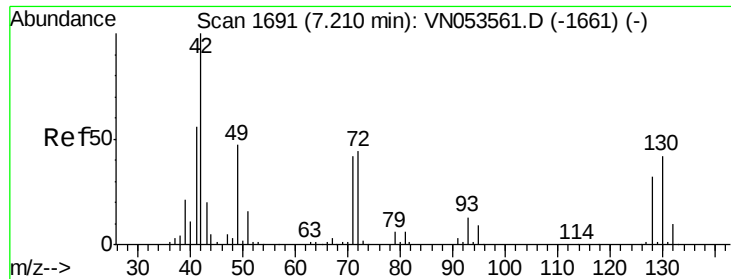
Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion:	49	Resp:	92293
Ion Ratio	Lower	Upper	
49	100		
129	1.0	0.0	4.0
130	87.8	66.3	99.5





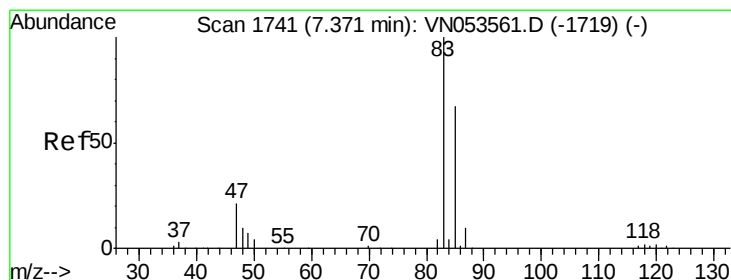
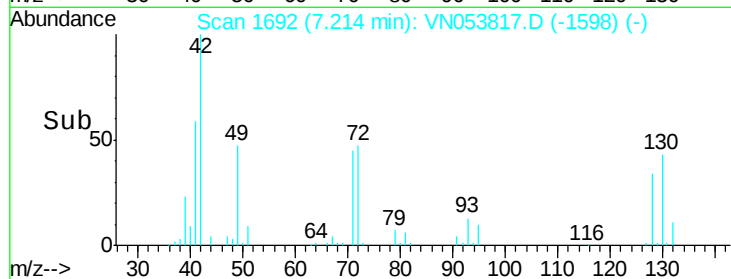
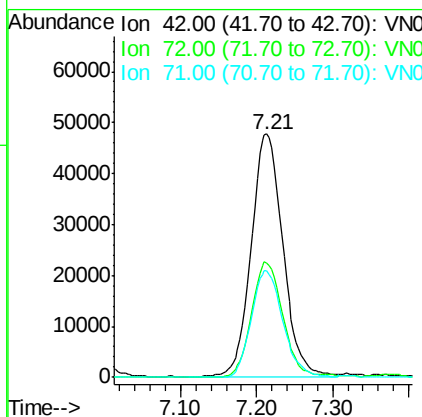
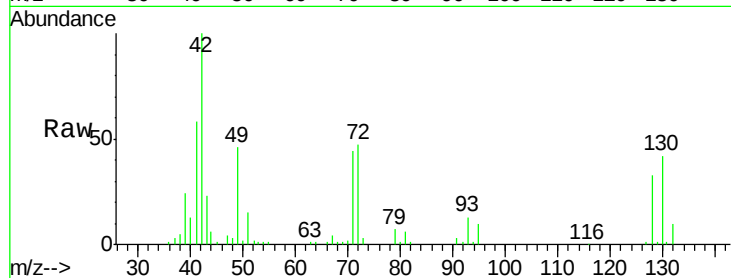
#29
Tetrahydrofuran
Concen: 107.599 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.2	52.8
71	43.2	33.0	49.4

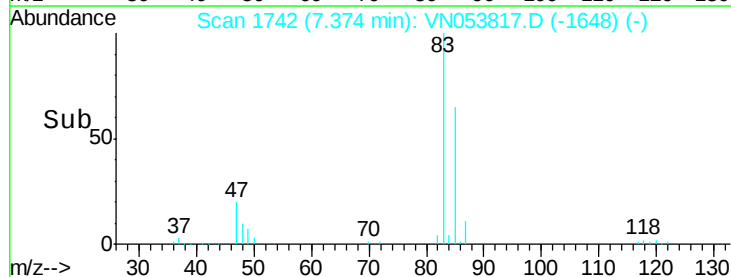
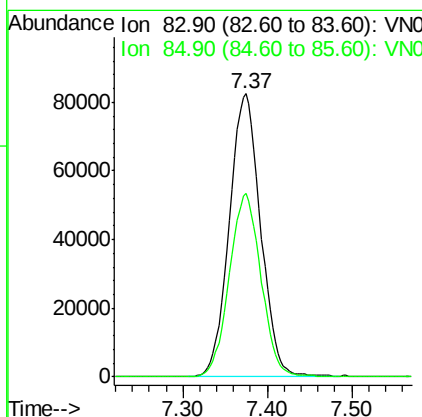
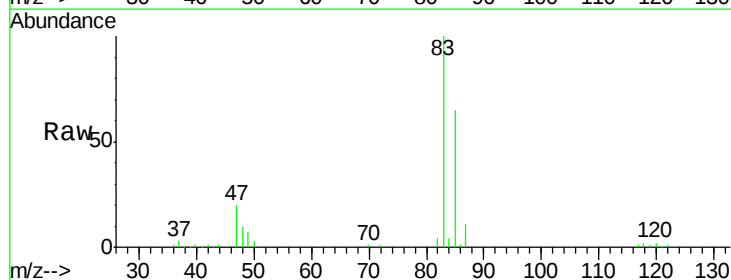
Manual Integrations
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#30
Chloroform
Concen: 21.416 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2





#31

Cyclohexane

Concen: 18.357 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion: 56 Resp: 172768

Ion Ratio Lower Upper

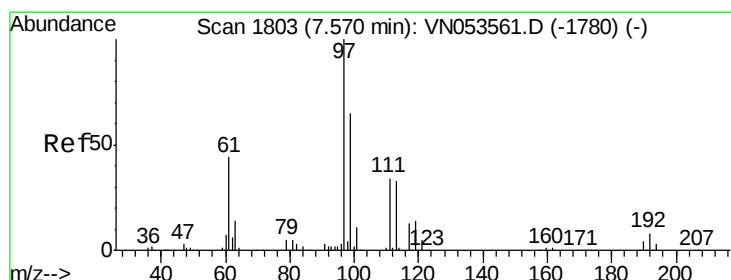
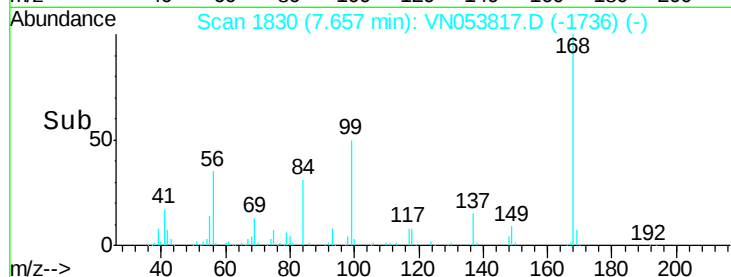
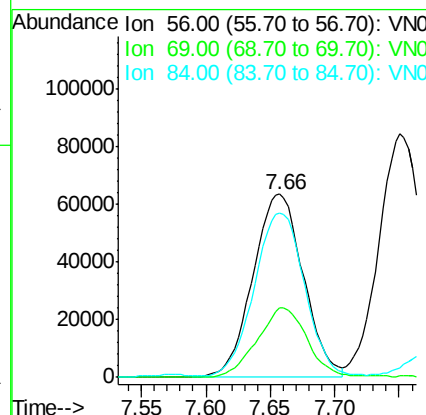
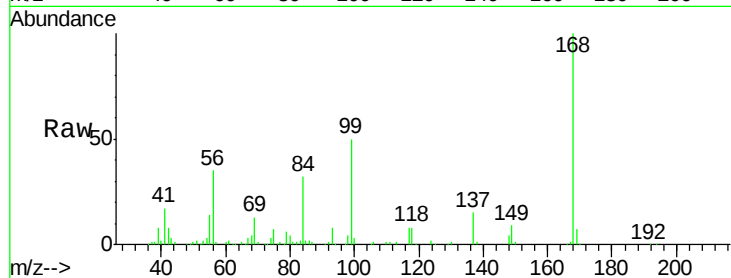
56 100

69 38.1 26.4 39.6

84 88.8 67.9 101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.296 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

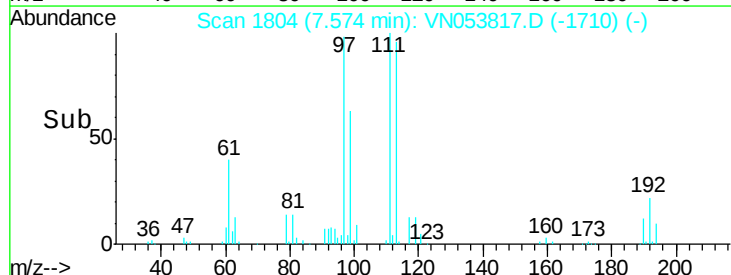
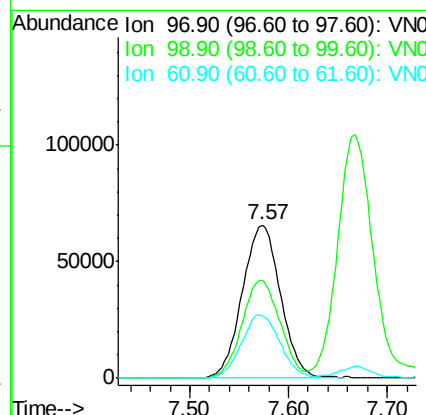
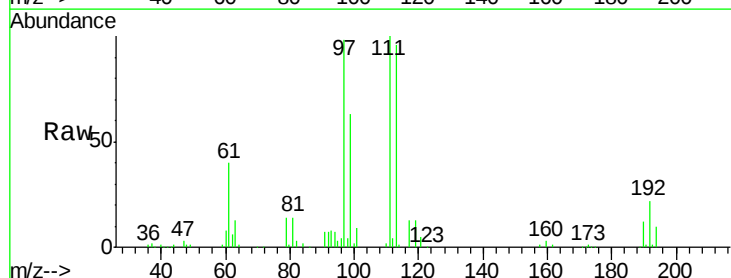
Tgt Ion: 97 Resp: 176563

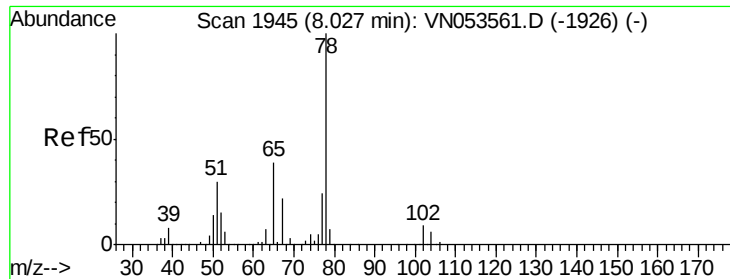
Ion Ratio Lower Upper

97 100

99 64.0 52.0 78.0

61 41.6 34.4 51.6





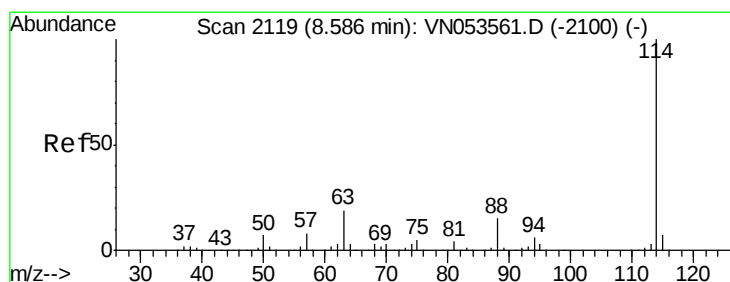
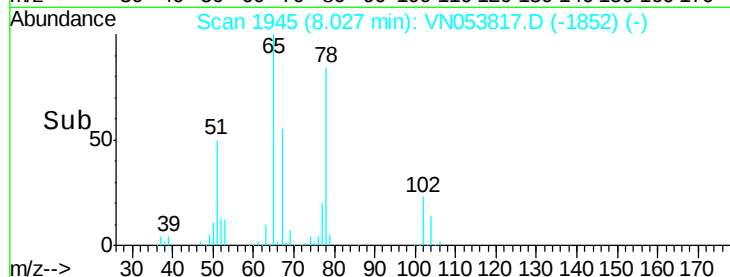
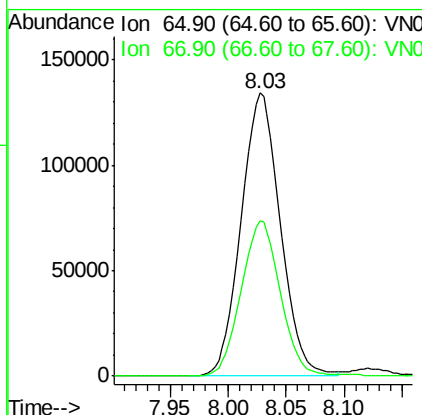
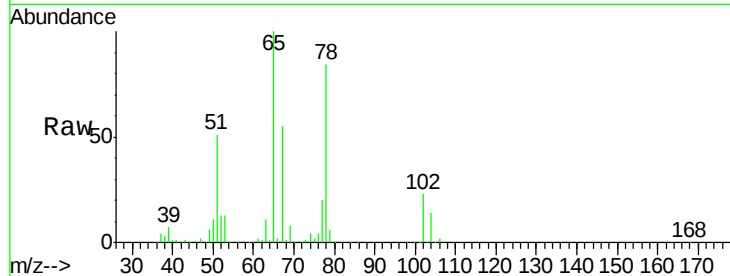
#33
 1,2-Dichloroethane-d4
 Concen: 57.139 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0		111.2

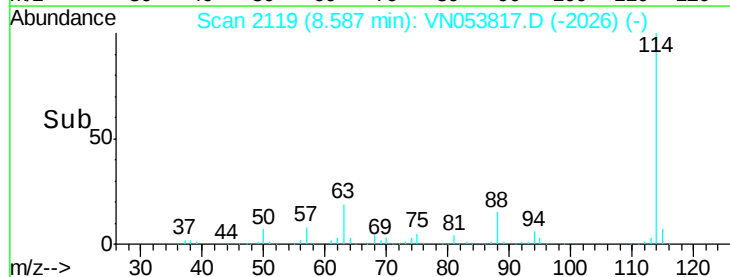
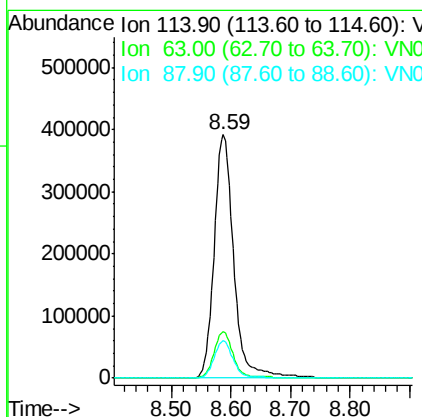
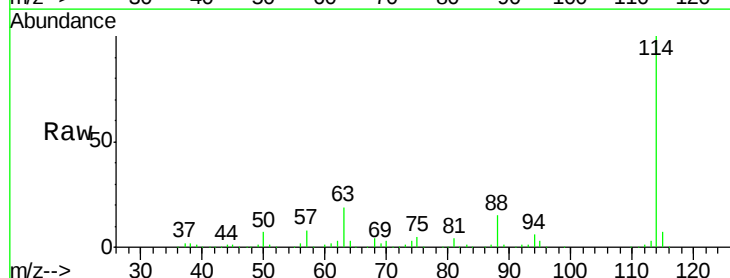
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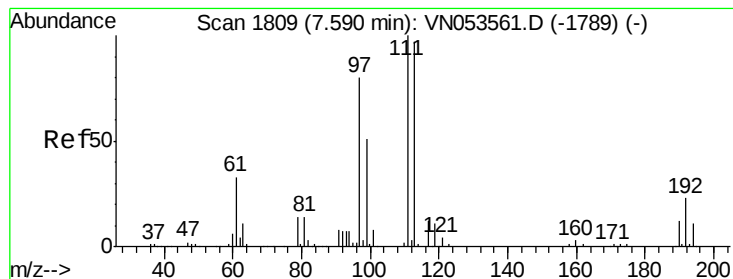
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0		38.6
88	15.5	0.0		30.4





#35

Dibromofluoromethane

Concen: 53.936 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion:113 Resp: 305493

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

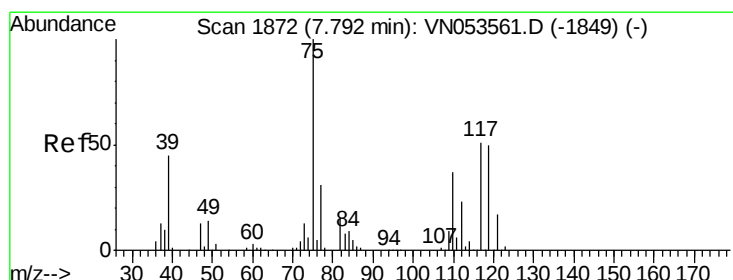
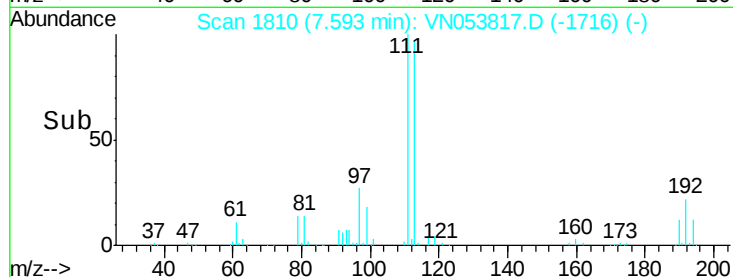
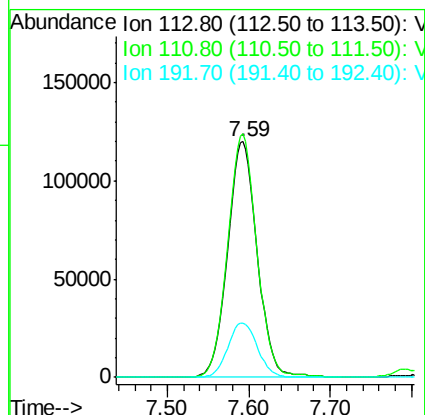
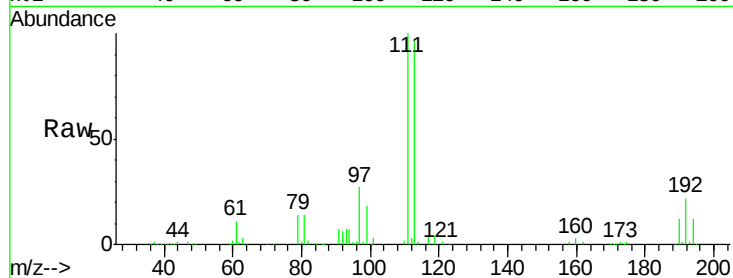
192 23.2 18.2 27.2

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#36

1,1-Dichloropropene

Concen: 17.956 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

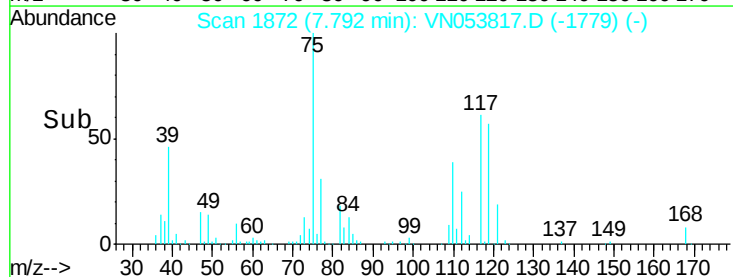
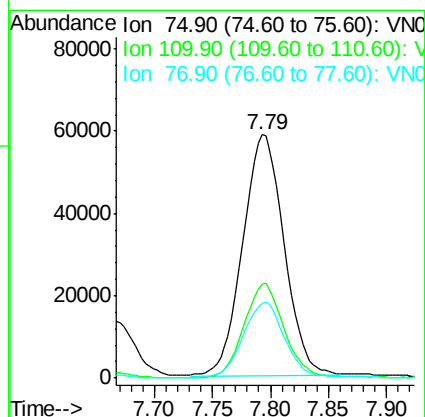
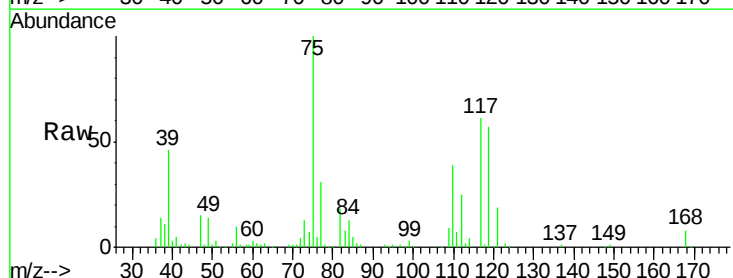
Tgt Ion: 75 Resp: 145088

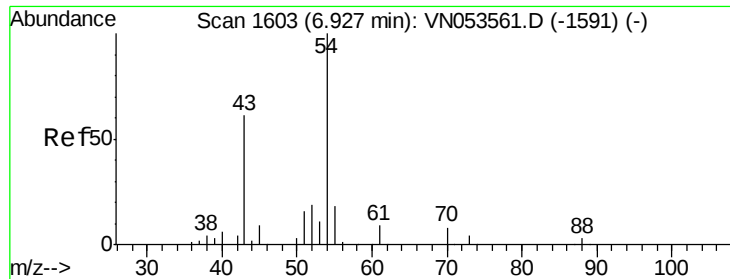
Ion Ratio Lower Upper

75 100

110 38.4 18.1 54.3

77 32.0 25.1 37.7





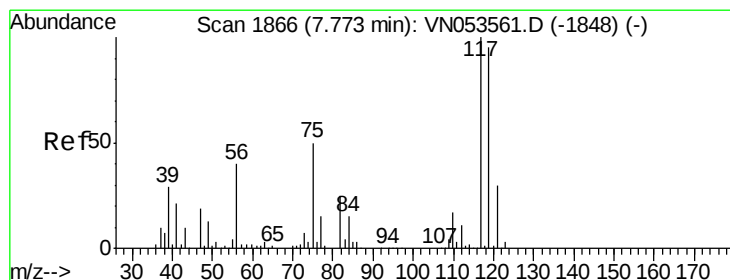
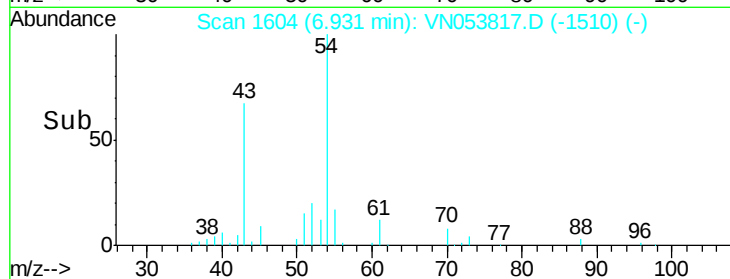
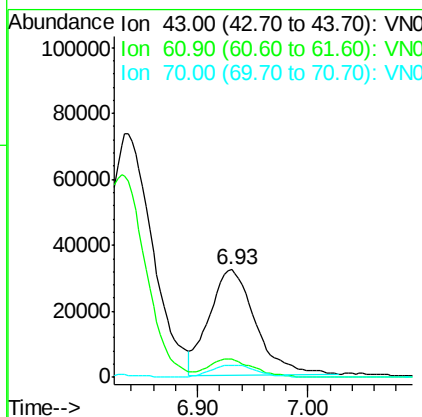
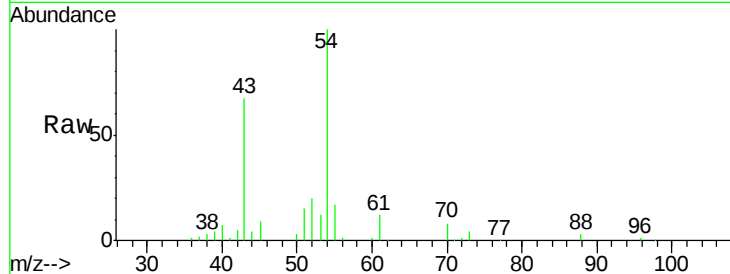
#37
Ethyl Acetate
Concen: 20.655 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	11.5	8.6	12.8

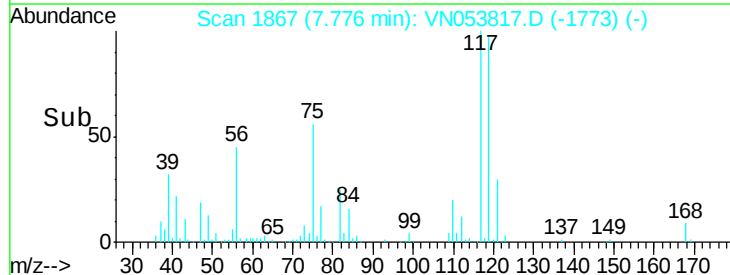
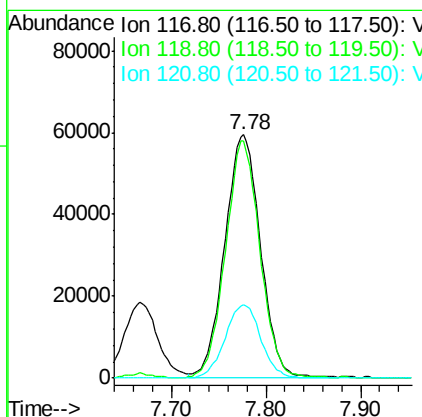
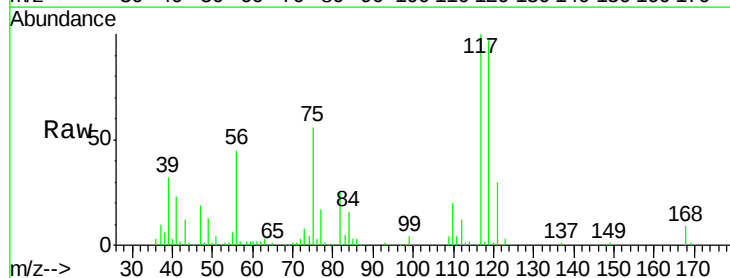
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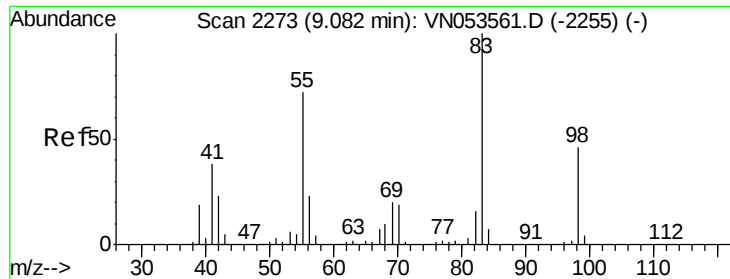
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#38
Carbon Tetrachloride
Concen: 19.056 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.2	115.8
121	30.0	24.6	37.0





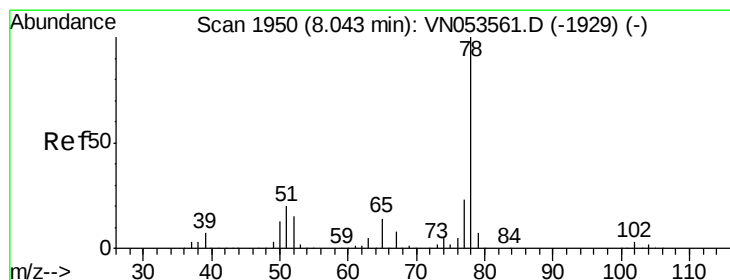
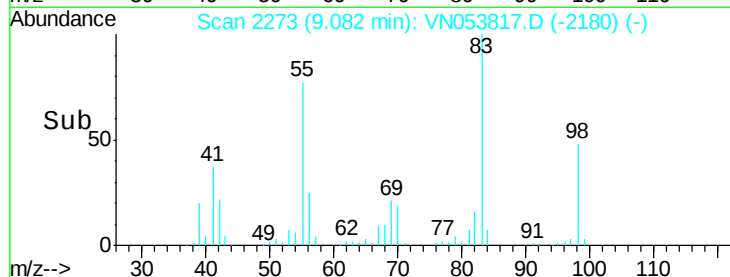
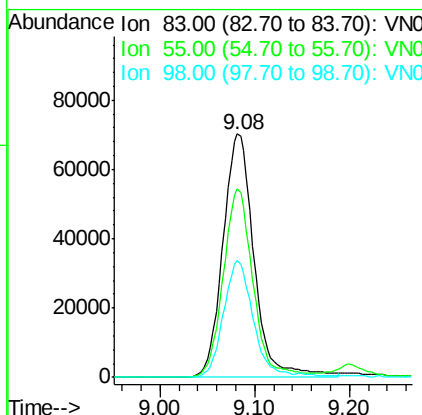
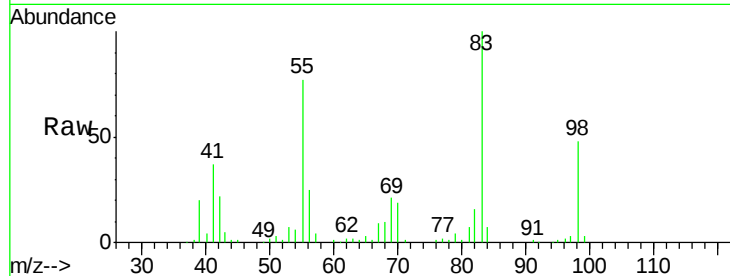
#39
Methvlcvclohexane
Concen: 16.760 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	60.1	90.1
98	47.9	36.6	55.0

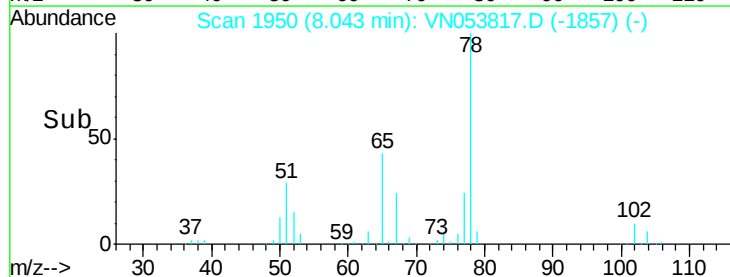
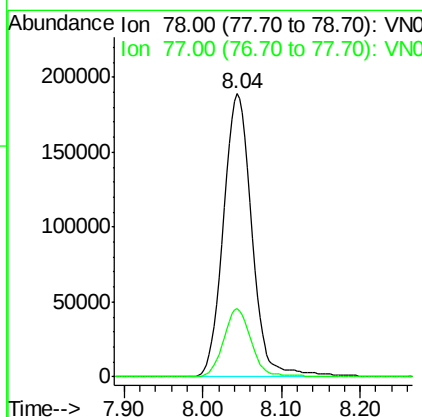
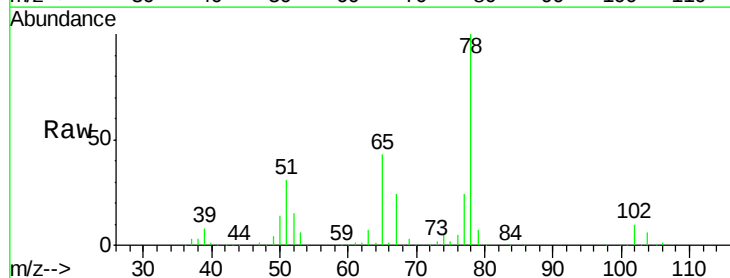
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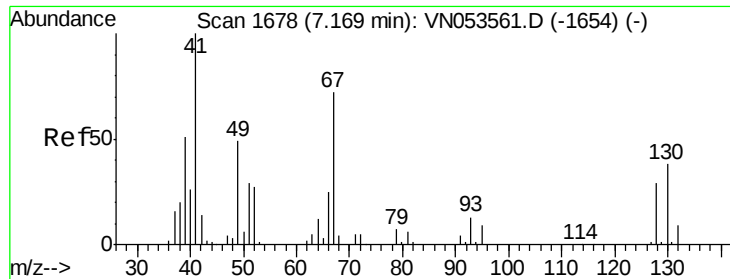
MMDadoda
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#40
Benzene
Concen: 18.963 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





#41

Methacrylonitrile

Concen: 20.083 ug/l m

RT: 7.18 min Scan# 1683

Delta R.T. 0.02 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion: 41 Resp: 50654

Ion Ratio Lower Upper

41 100

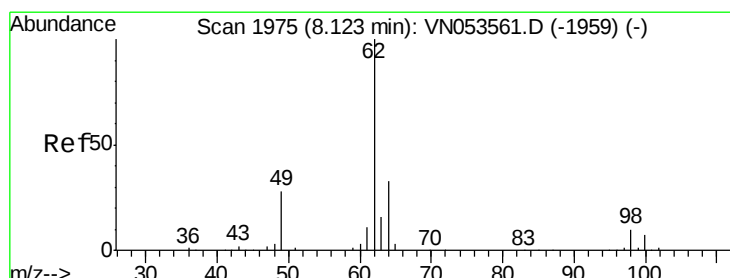
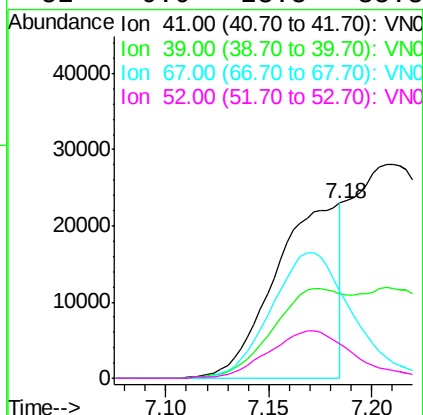
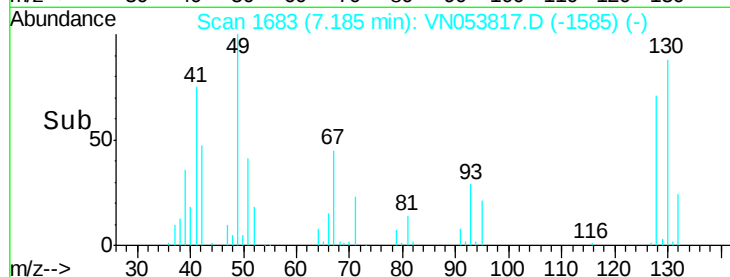
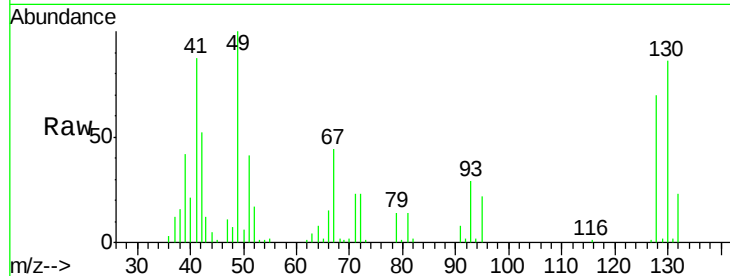
39 0.0 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#

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#42

1,2-Dichloroethane

Concen: 19.508 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN053817.D

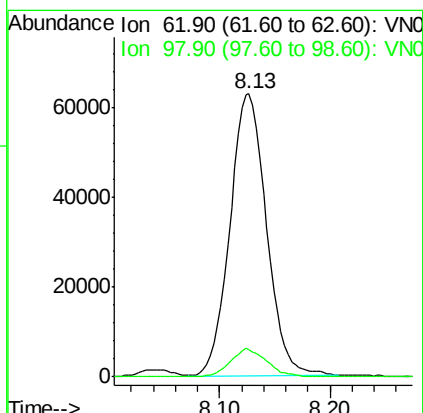
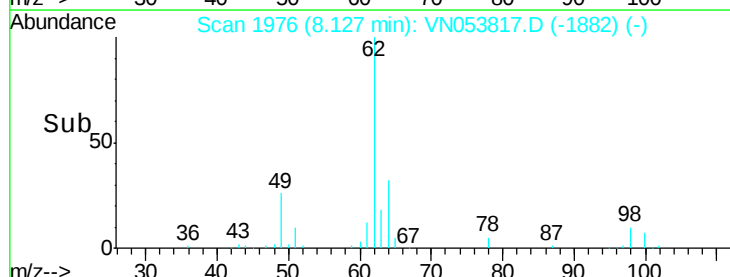
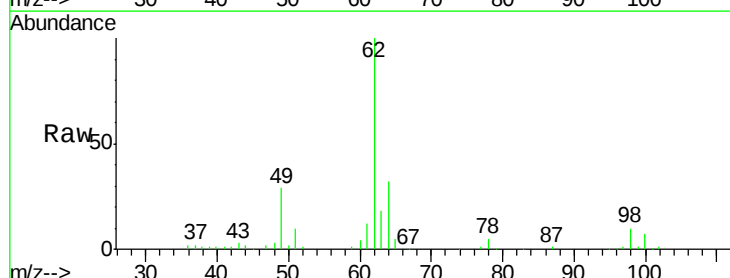
Acq: 15 Feb 2019 23:46

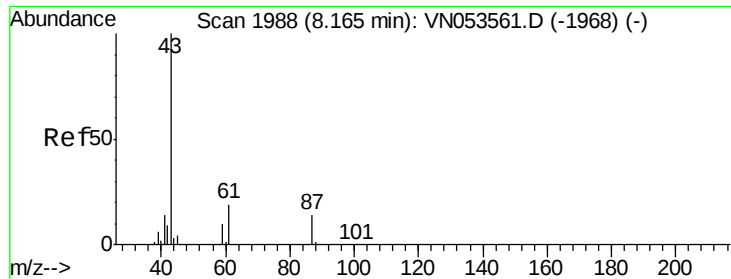
Tgt Ion: 62 Resp: 144328

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.6





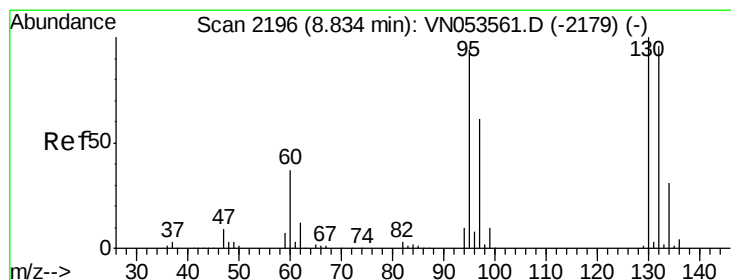
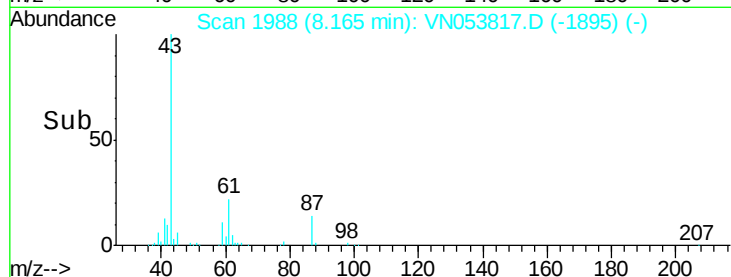
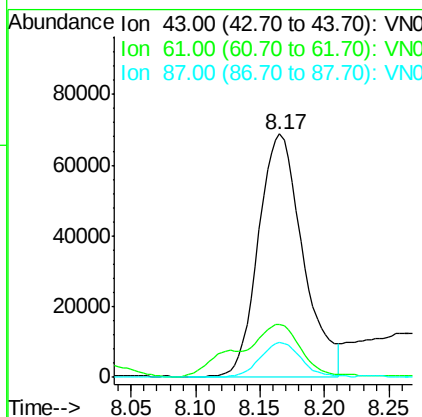
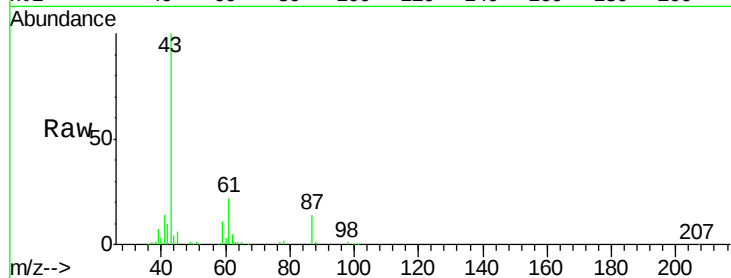
#43
Isopropyl Acetate
Concen: 18.876 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	23.9	35.9#
87	13.5	11.0	16.6

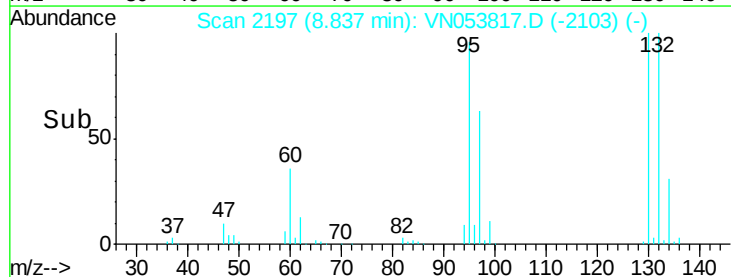
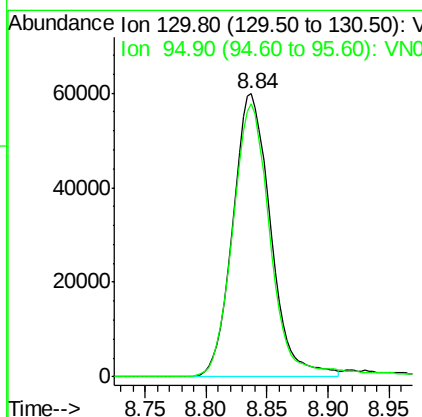
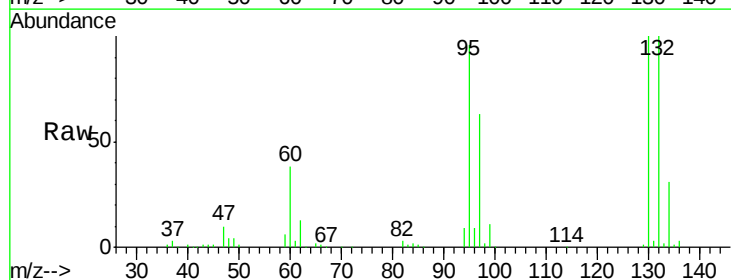
Manual Integrations
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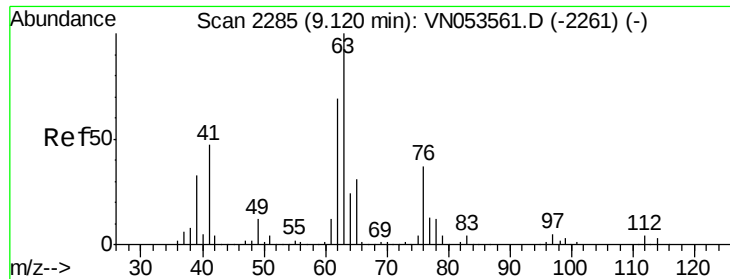
MMDadoda
2/18/2019 9:48:40 AM



#44
Trichloroethene
Concen: 18.148 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	191.4





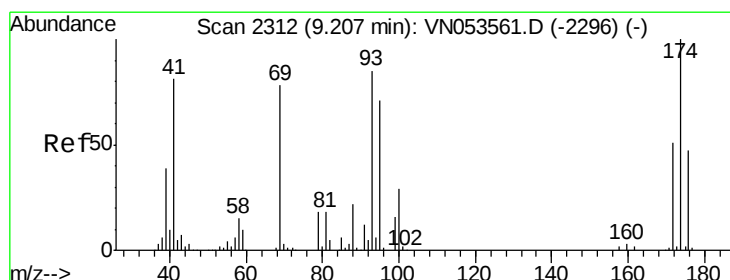
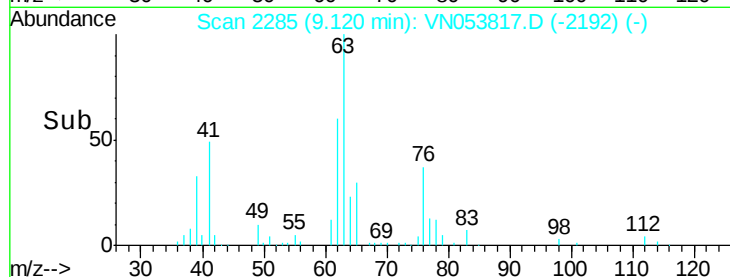
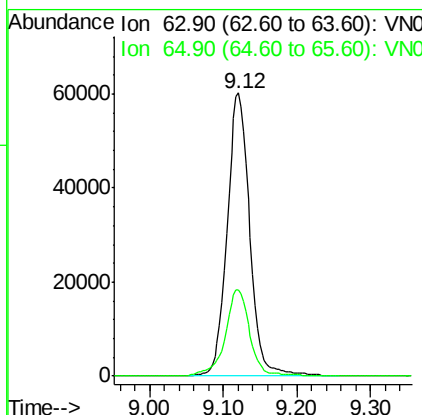
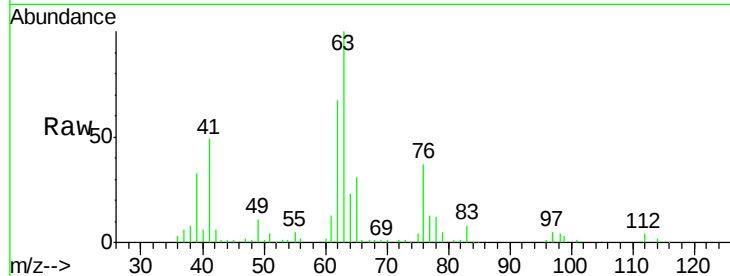
#45
 1,2-Dichloropropane
 Concen: 20.124 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

Tot Ion: 63 Resp: 128254
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4

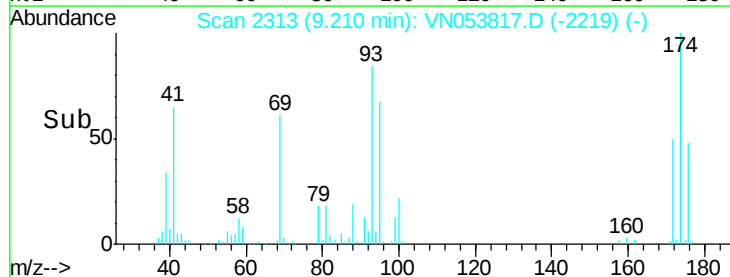
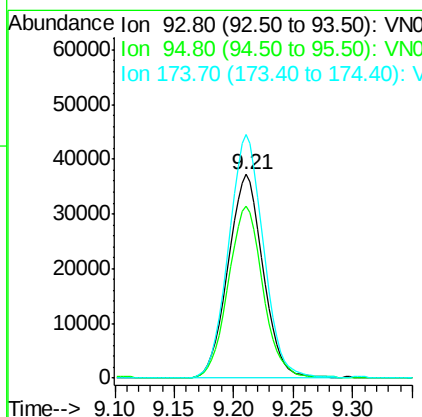
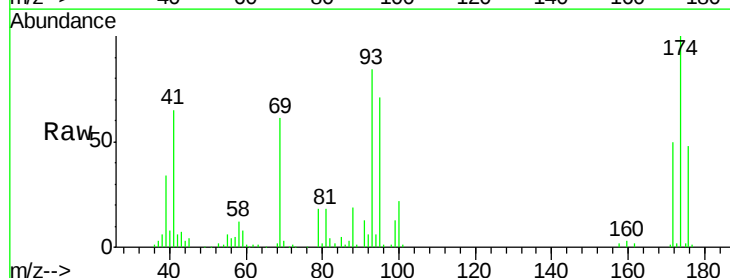
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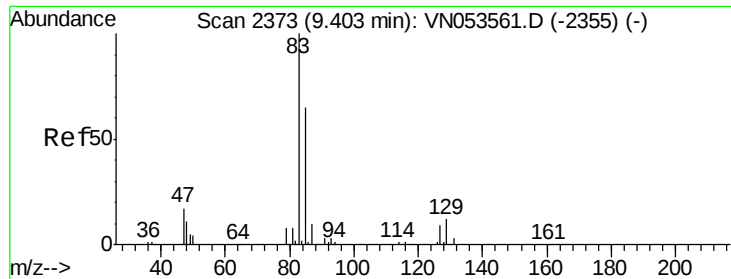
MMDadoda
 2/18/2019 9:48:40 AM



#46
 Dibromomethane
 Concen: 19.809 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion: 93 Resp: 76104
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.3 100.9
 174 118.7 91.0 136.4





#47

Bromodichloromethane

Concen: 20.109 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

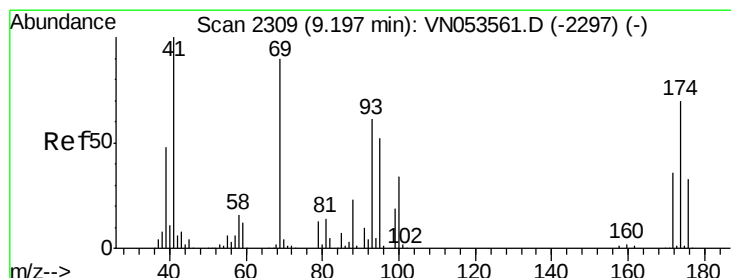
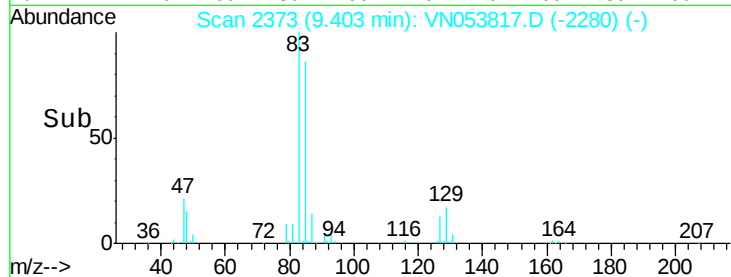
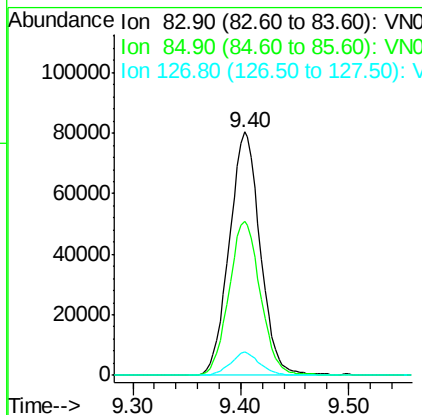
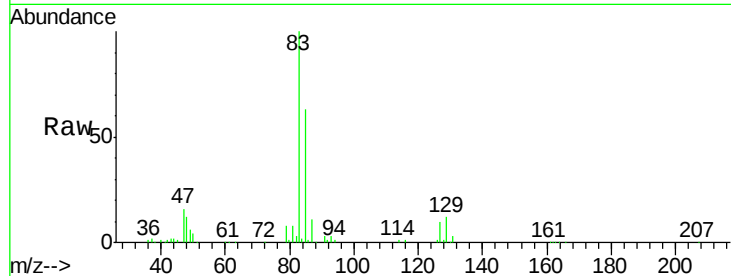
ClientSampleId :

VN0215WBS02

Tot Ion:	83	Resp:	160628
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.0	76.6
127	9.8	7.0	10.6

Manual Integrations
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MMDadoda
2/18/2019 9:48:40 AM



#48

Methyl methacrylate

Concen: 19.866 ug/l

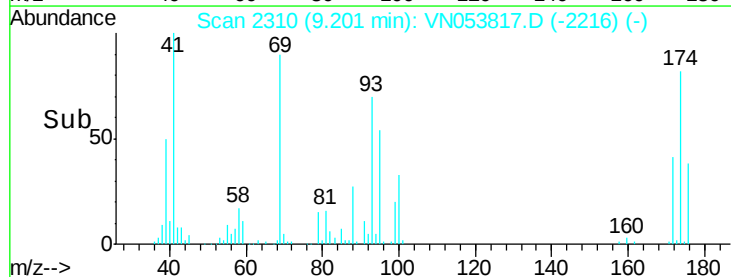
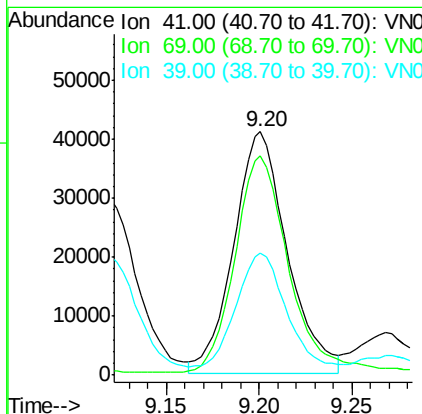
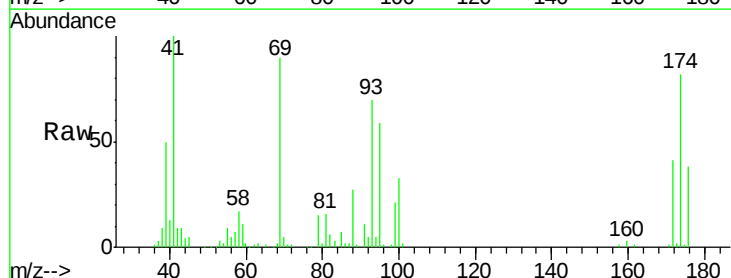
RT: 9.20 min Scan# 2310

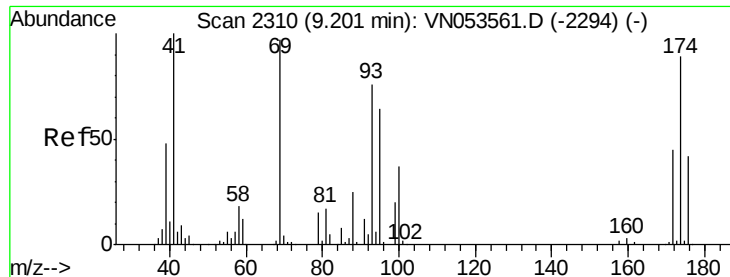
Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion:	41	Resp:	82645
Ion Ratio	Lower	Upper	
41	100		
69	93.0	73.8	110.6
39	49.8	40.0	60.0





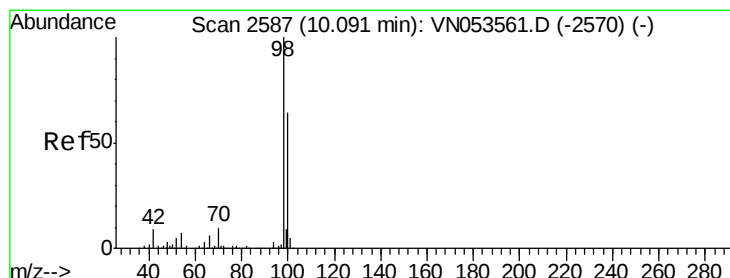
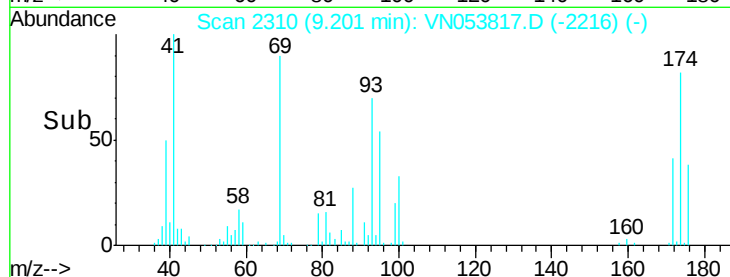
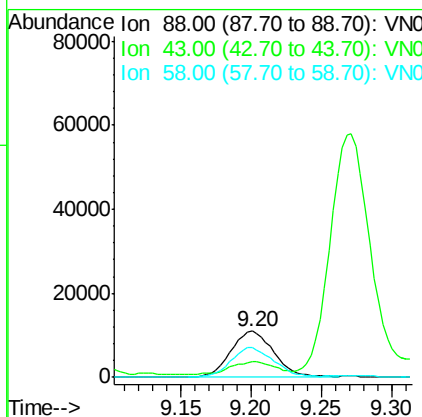
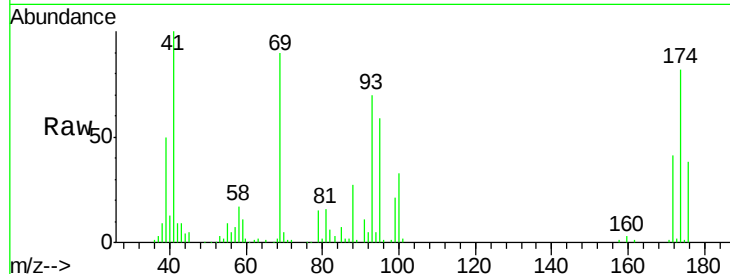
#49
 1,4-Dioxane
 Concen: 417.809 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	27.8	41.6
58	63.8	56.5	84.7

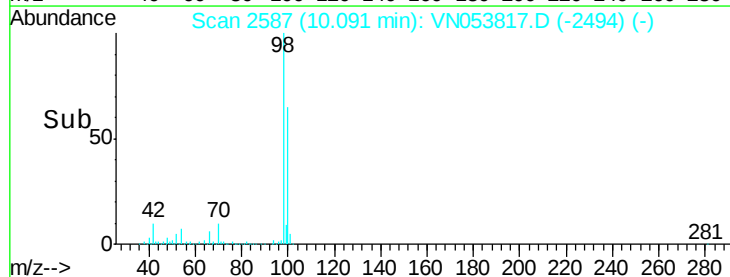
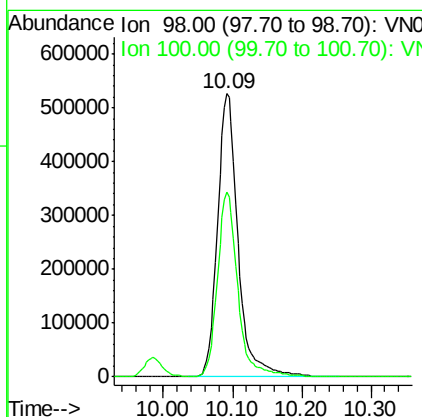
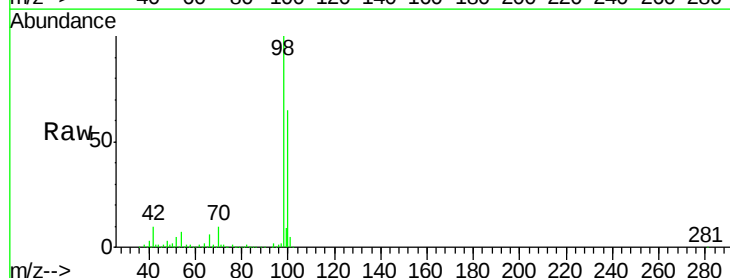
Manual Integrations
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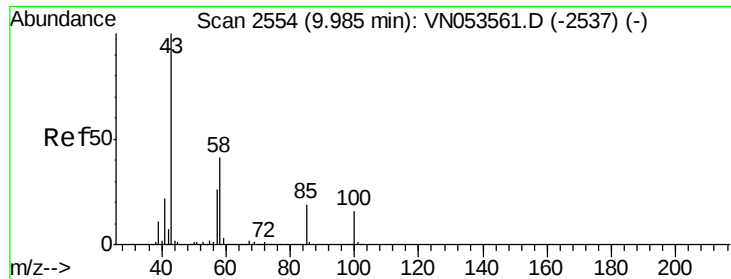
MMDadoda
 2/18/2019 9:48:40 AM



#50
 Toluene-d8
 Concen: 50.862 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 103.374 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion: 43 Resp: 442722

Ion Ratio Lower Upper

43 100

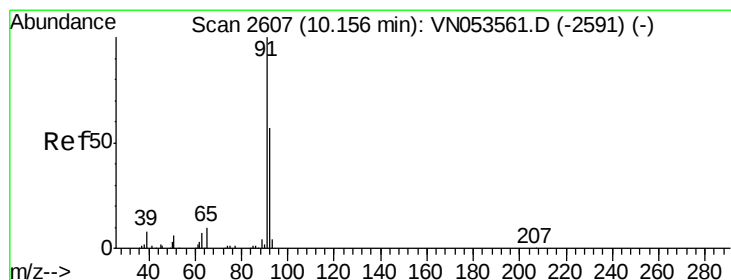
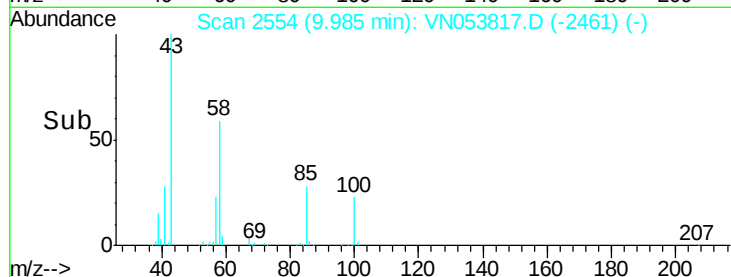
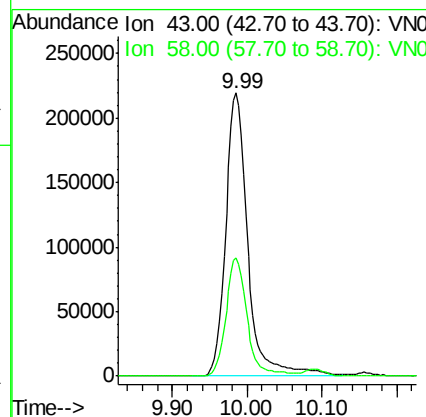
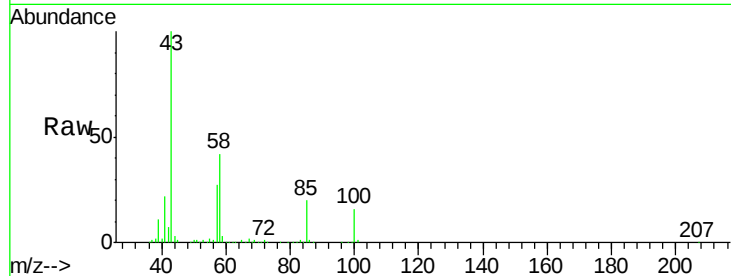
58 40.4 32.8 49.2

Manual Integrations

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2/18/2019 9:48:40 AM



#52

Toluene

Concen: 19.418 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053817.D

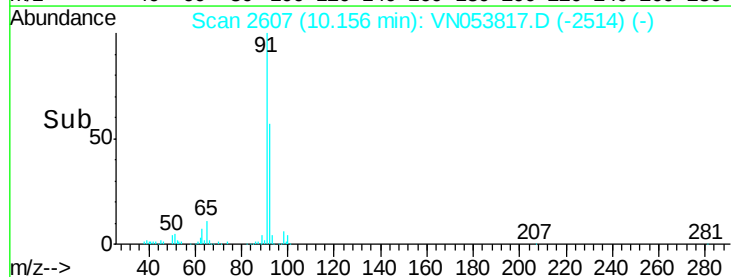
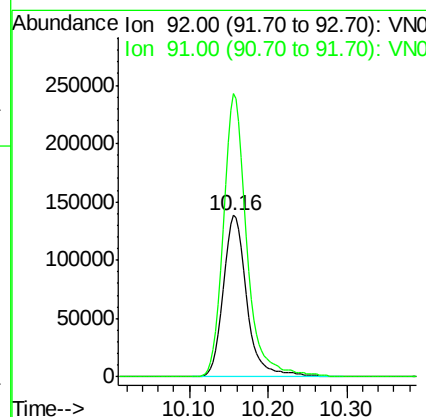
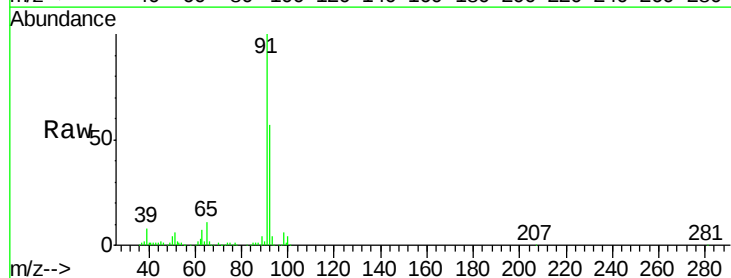
Acq: 15 Feb 2019 23:46

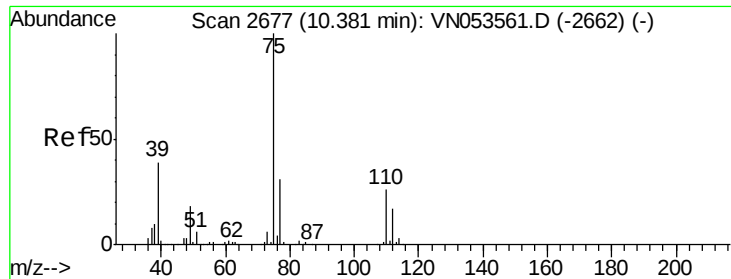
Tgt Ion: 92 Resp: 287165

Ion Ratio Lower Upper

92 100

91 173.3 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.752 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion: 75 Resp: 149996

Ion Ratio Lower Upper

75 100

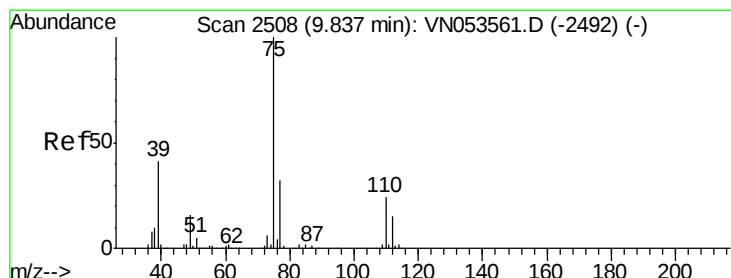
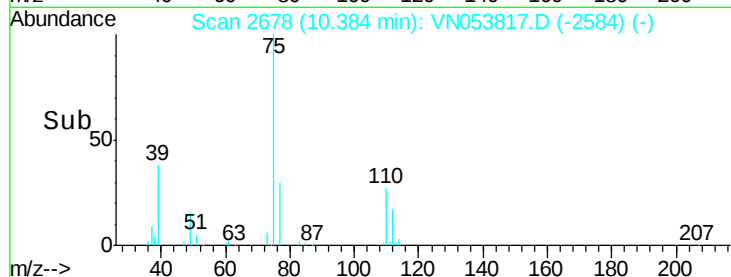
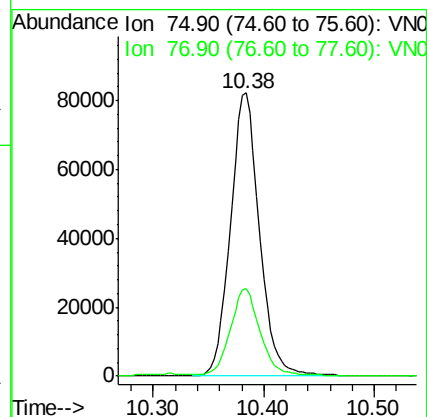
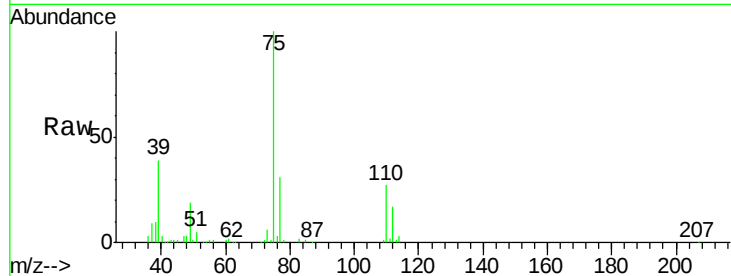
77 30.6 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.704 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

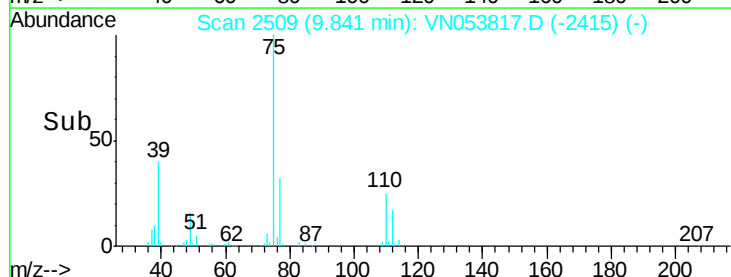
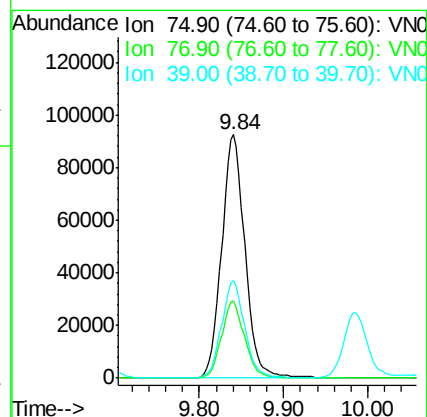
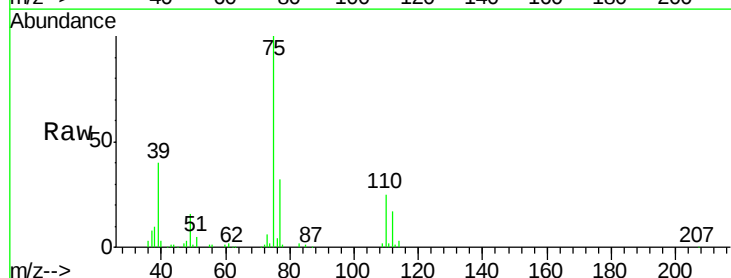
Tgt Ion: 75 Resp: 177286

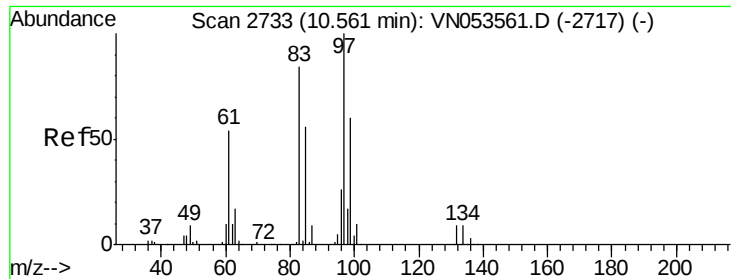
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 40.1 33.4 50.0





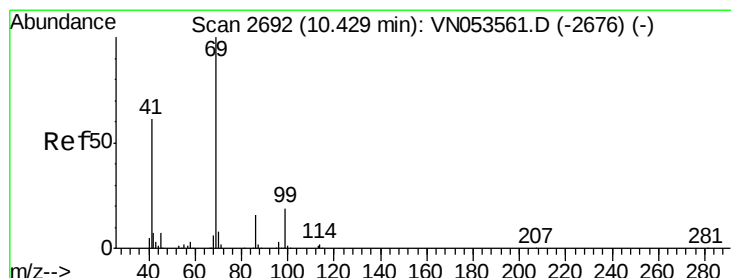
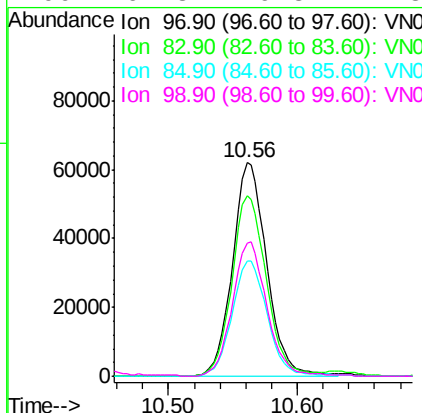
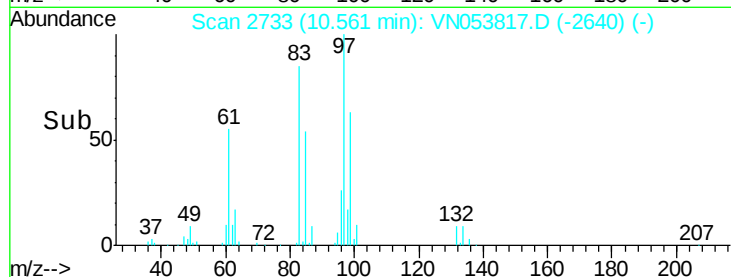
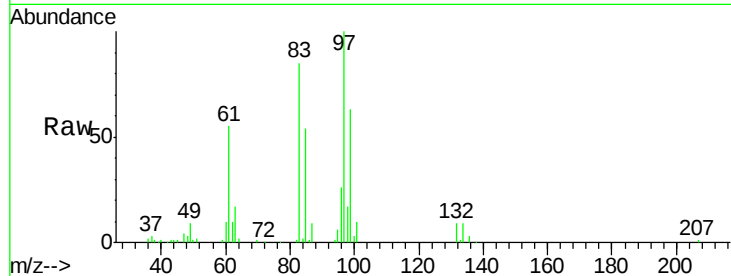
#55
 1,1,2-Trichloroethane
 Concen: 21.516 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

Tot Ion	Ratio	Resp	Lower	Upper
97	100	114654		
83	84.7	70.1	105.1	
85	53.9	45.4	68.0	
99	62.3	49.8	74.8	

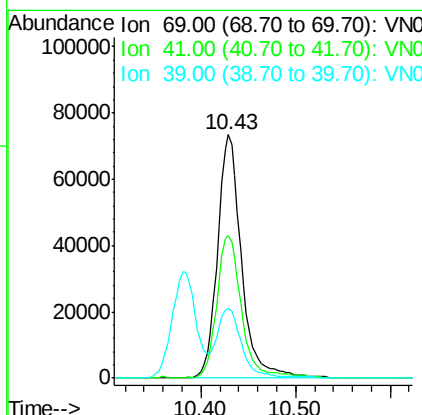
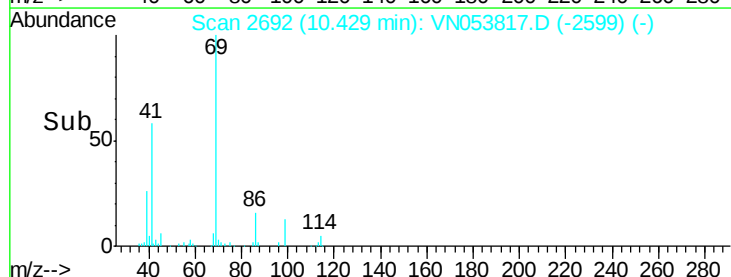
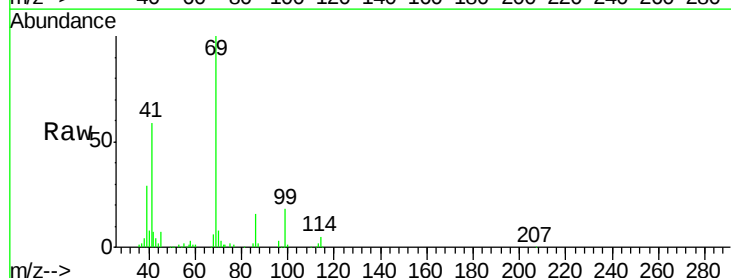
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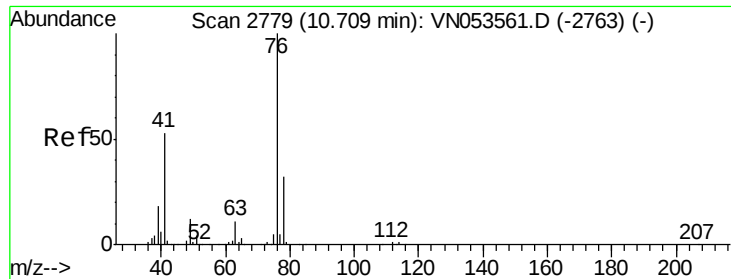
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 2/18/2019 9:48:40 AM



#56
 Ethyl methacrylate
 Concen: 20.541 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	129494		
41	59.7	49.4	74.0	
39	29.2	23.3	34.9	





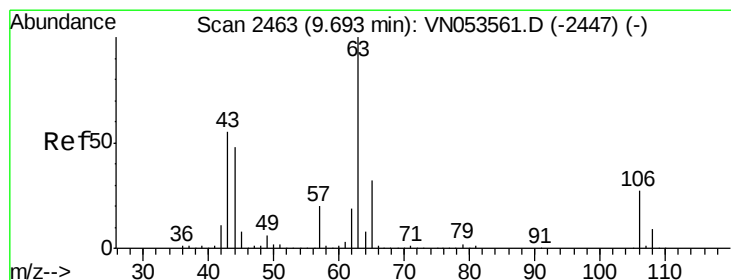
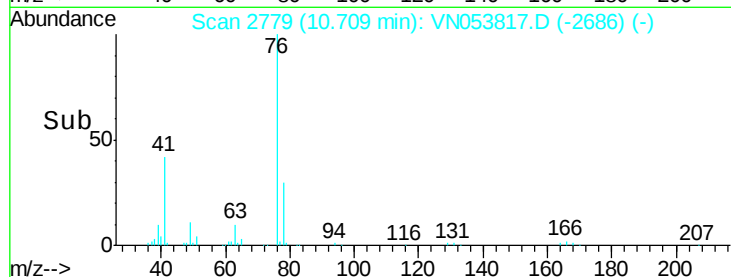
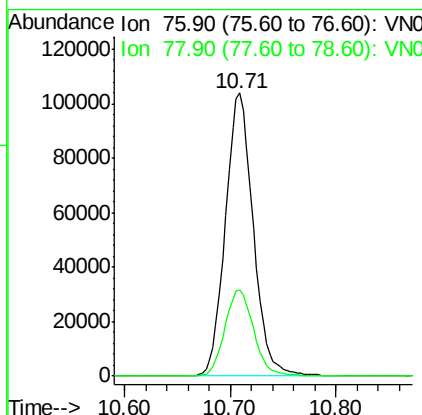
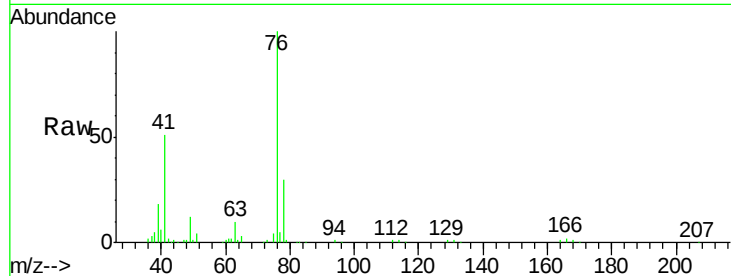
#57
 1,3-Dichloropropane
 Concen: 20.792 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

Tot Ion: 76 Resp: 189363
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.6 38.4

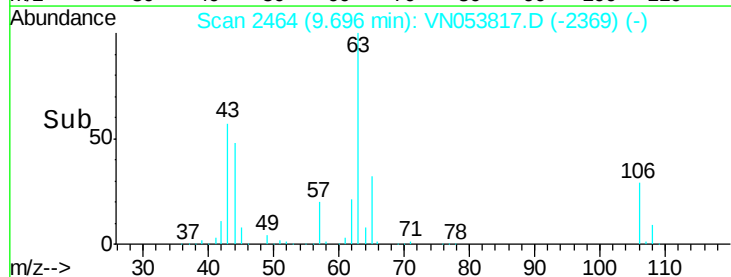
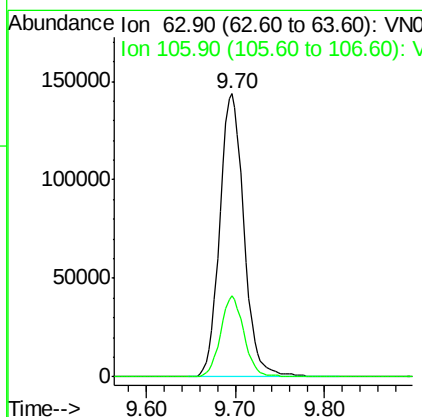
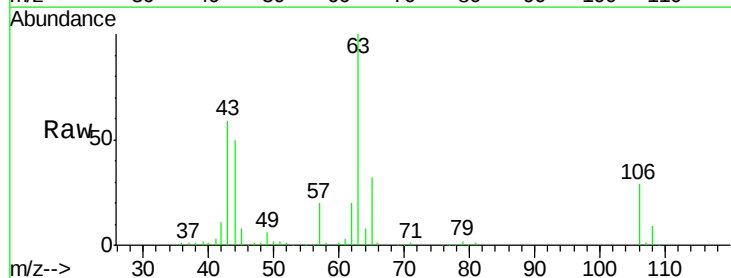
Manual Integrations
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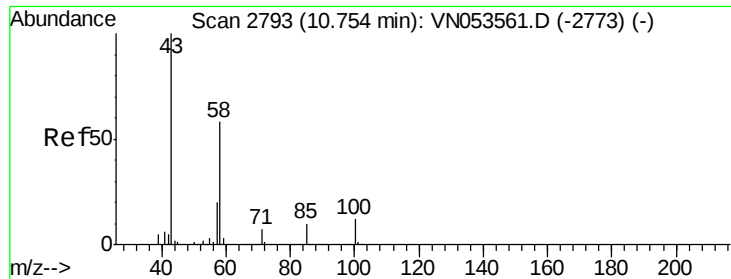
MMDadoda
 2/18/2019 9:48:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 74.996 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion: 63 Resp: 270561
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.5 32.3





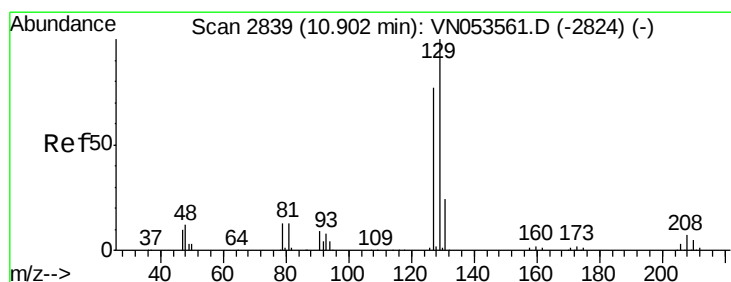
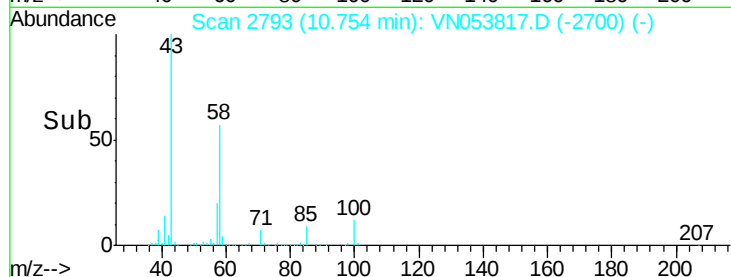
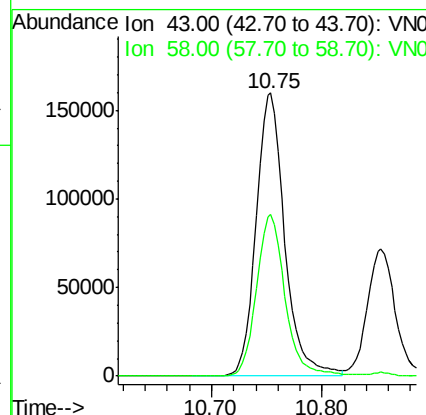
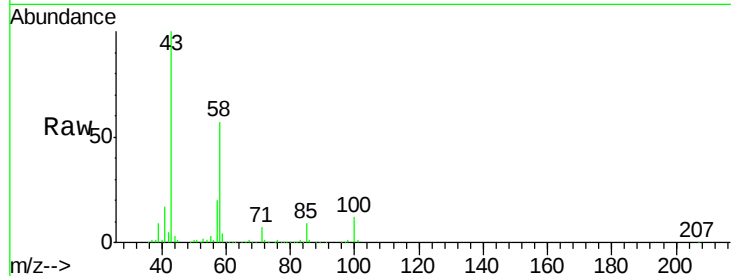
#59
2-Hexanone
Concen: 98.046 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion	43	Resp	285062
Ion Ratio	43	100	
Lower	58	57.2	28.6
Upper			85.8

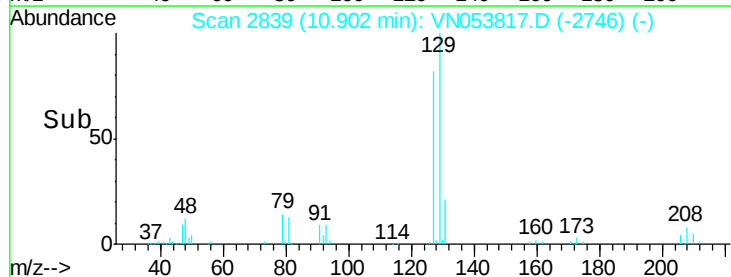
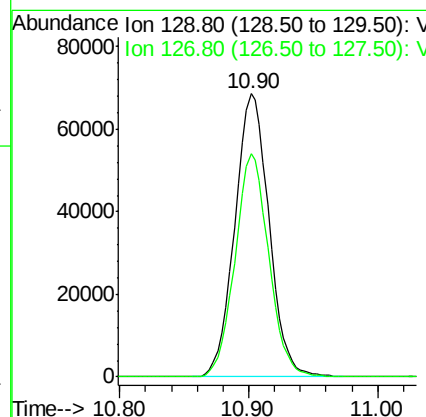
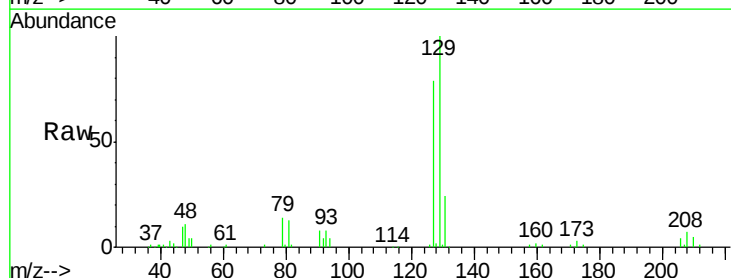
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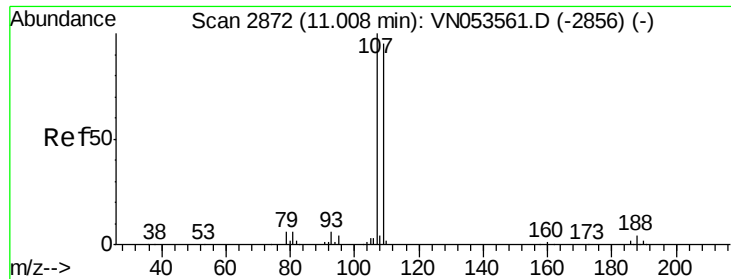
MMDadoda
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#60
Dibromochloromethane
Concen: 21.021 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion	129	Resp	126323
Ion Ratio	129	100	
Lower	127	77.8	38.6
Upper			115.8





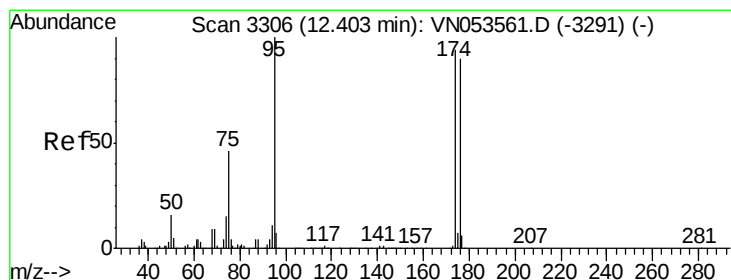
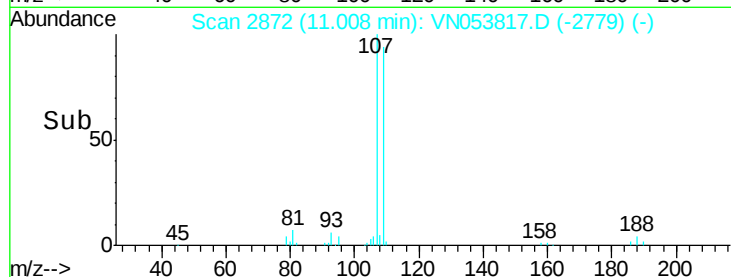
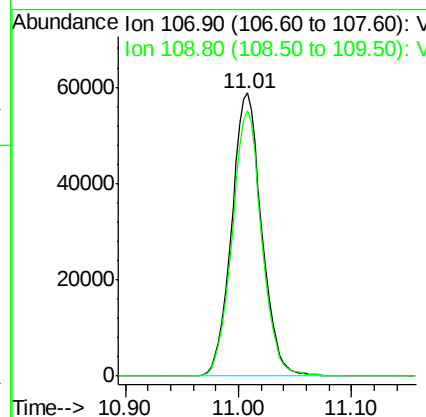
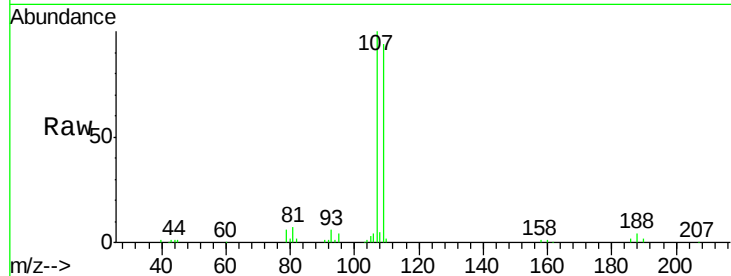
#61
 1,2-Dibromoethane
 Concen: 20.553 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.7	113.5

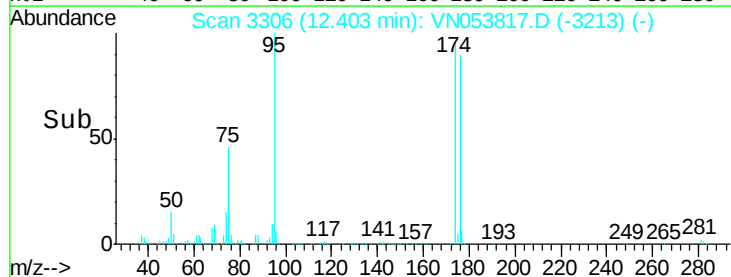
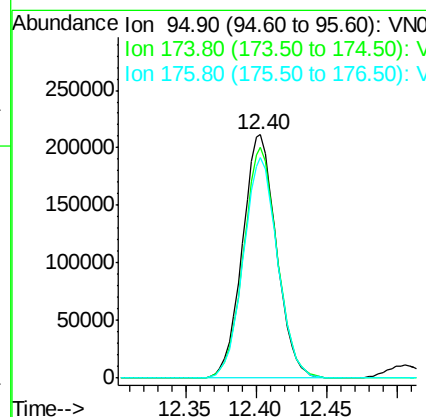
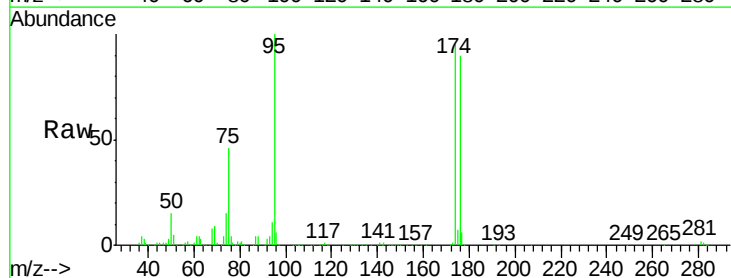
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 50.305 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	183.2
176	91.2	0.0	177.4





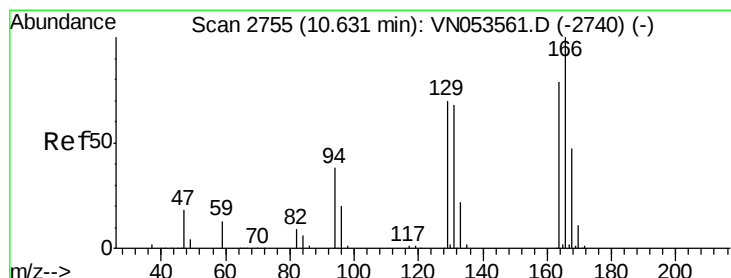
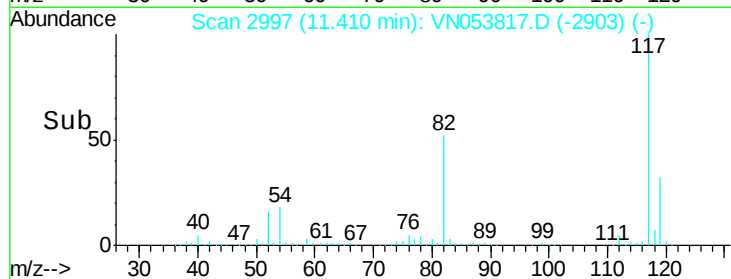
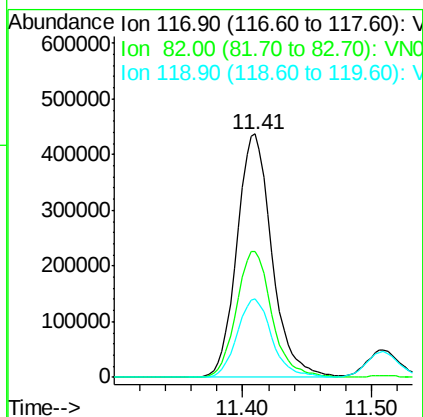
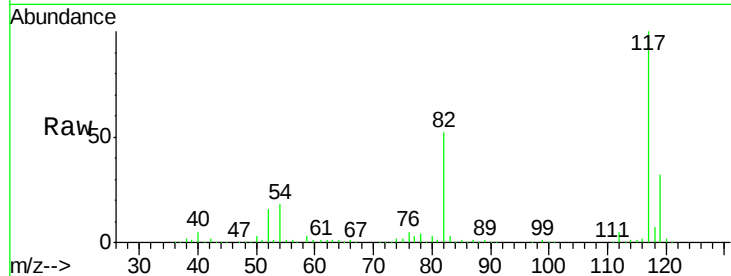
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.9	64.3
119	32.0	26.0	39.0

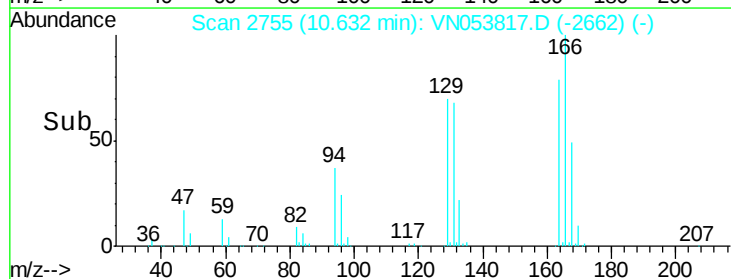
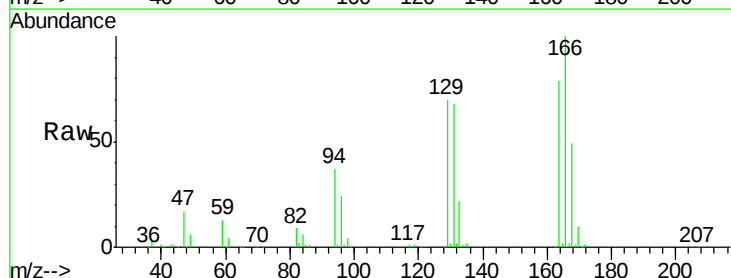
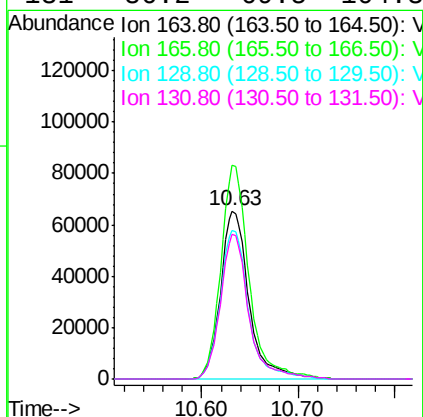
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#64
Tetrachloroethene
Concen: 18.908 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.2	153.4
129	88.6	72.6	109.0
131	86.2	69.5	104.3





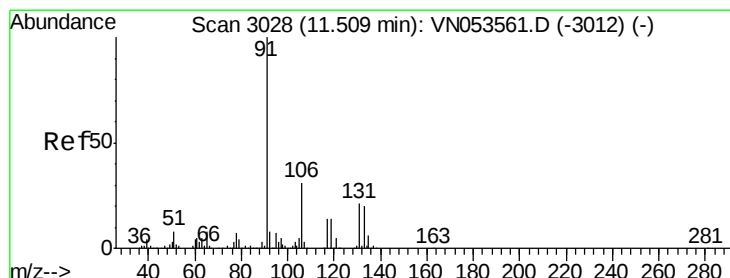
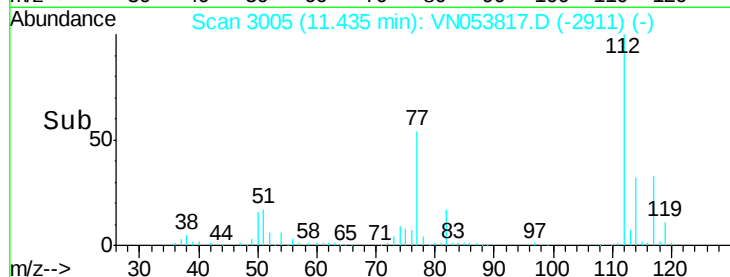
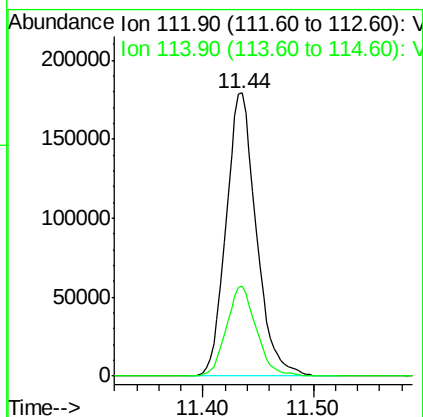
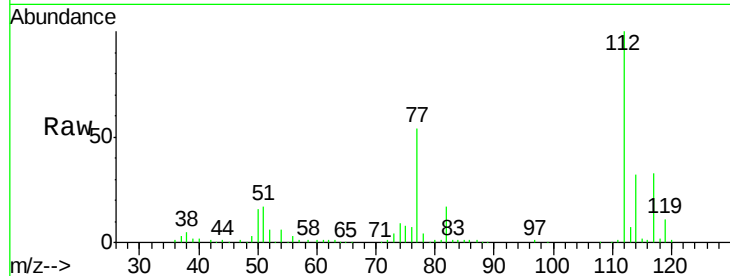
#65
Chlorobenzene
Concen: 19.400 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion:112 Resp: 340242
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

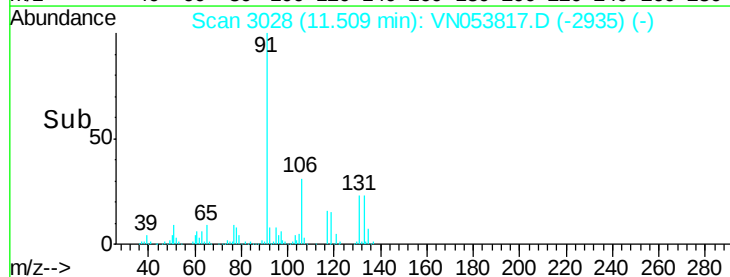
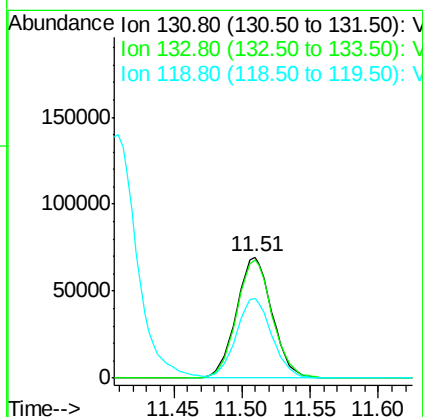
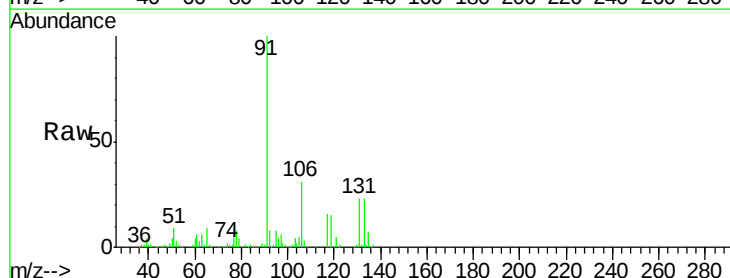
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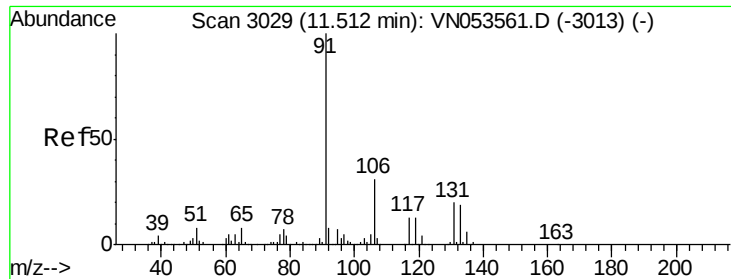
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.574 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion:131 Resp: 126013
Ion Ratio Lower Upper
131 100
133 97.9 48.0 144.0
119 66.5 33.5 100.5





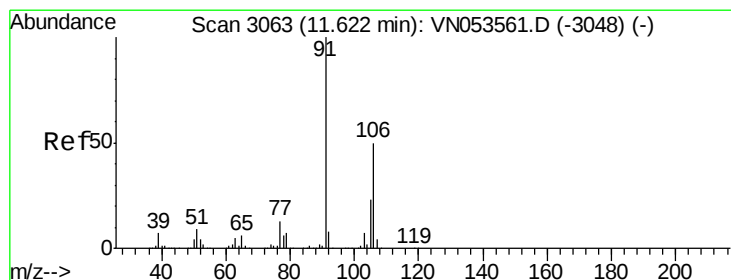
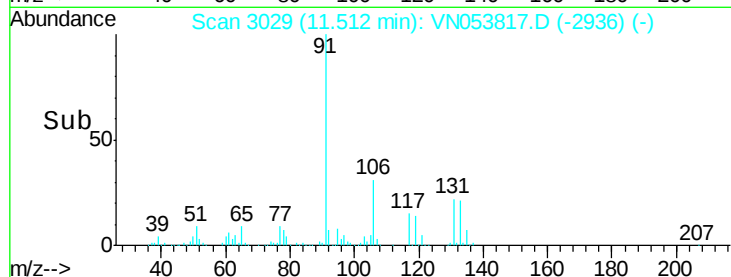
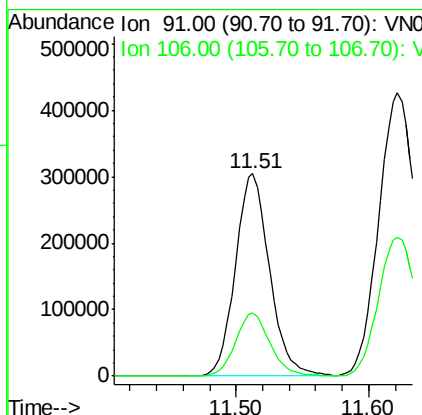
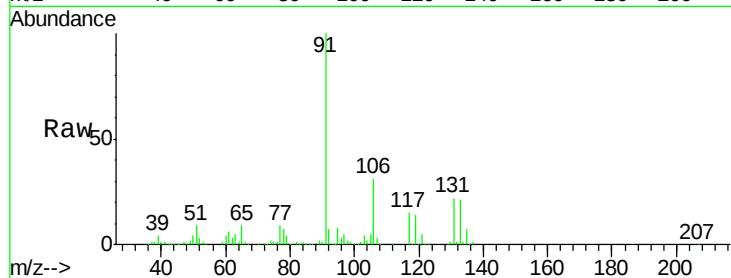
#67
Ethyl Benzene
Concen: 18.964 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion: 91 Resp: 546337
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6

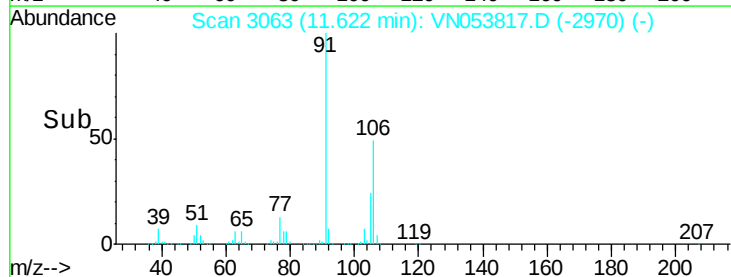
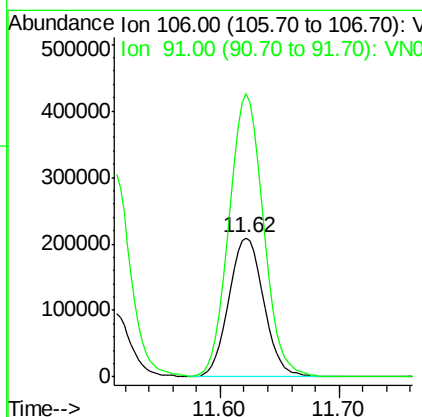
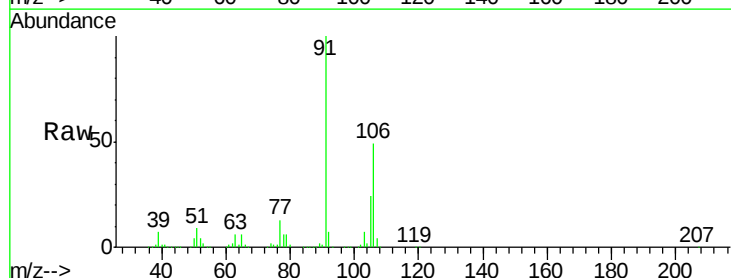
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#68
m/p-Xylenes
Concen: 38.728 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion: 106 Resp: 425840
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2





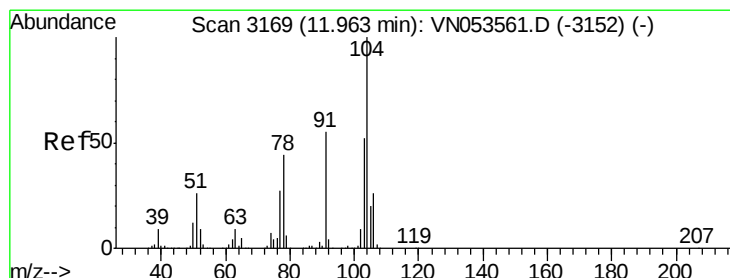
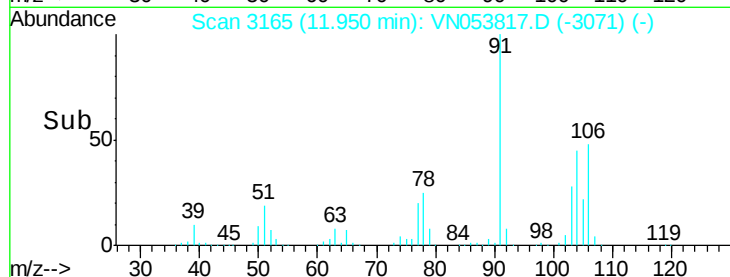
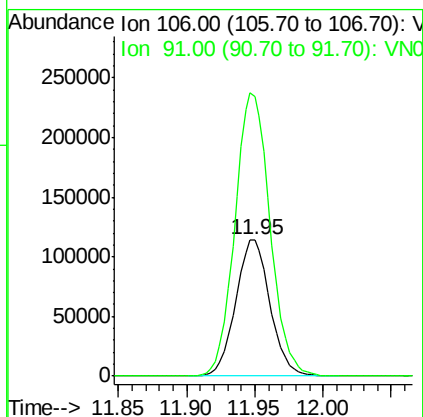
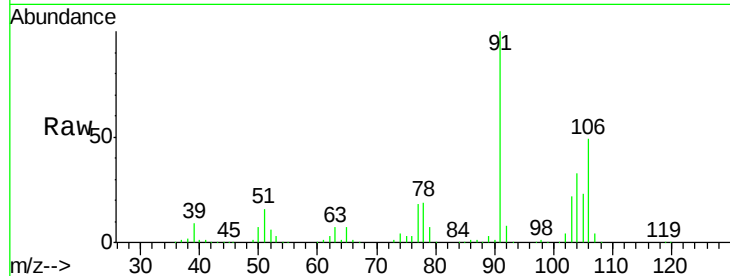
#69
o-Xylene
Concen: 18.750 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampled :
VN0215WBS02

Tot Ion:106 Resp: 199175
Ion Ratio Lower Upper
106 100
91 212.3 106.9 320.8

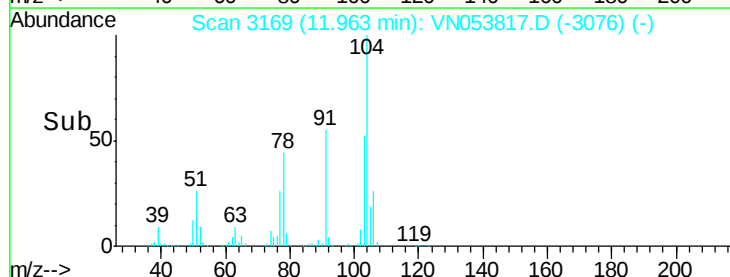
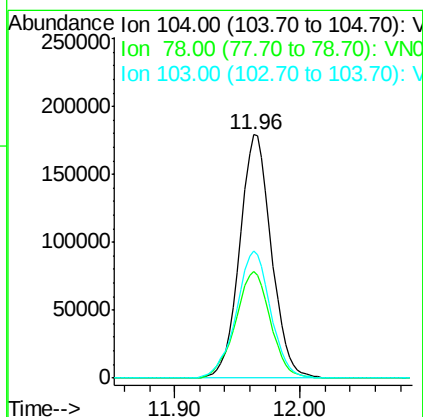
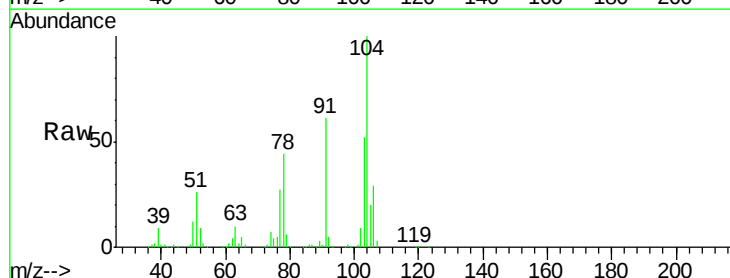
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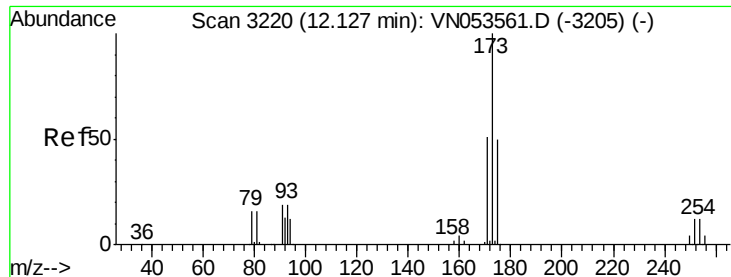
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#70
Styrene
Concen: 18.318 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion:104 Resp: 315390
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 56.5 44.4 66.6





#71

Bromoform

Concen: 19.994 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

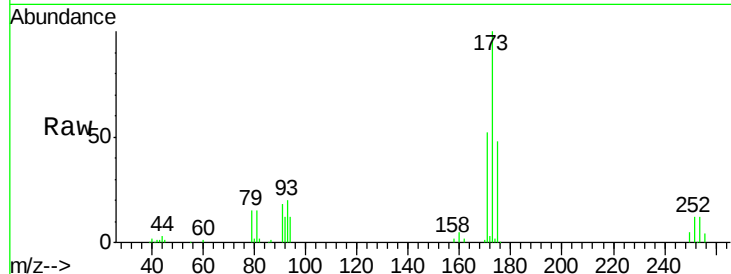
ClientSampleId :

VN0215WBS02

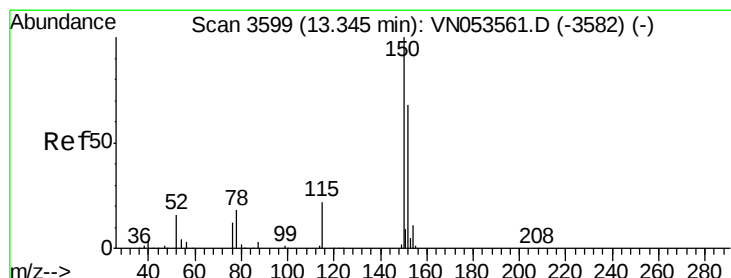
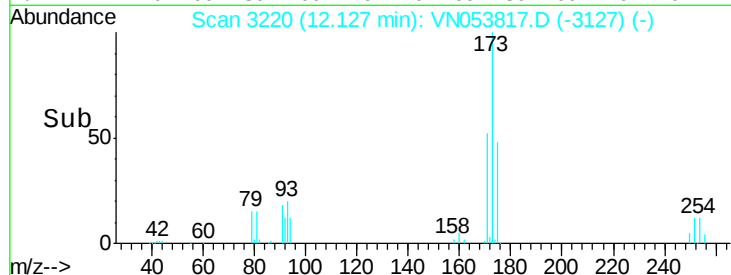
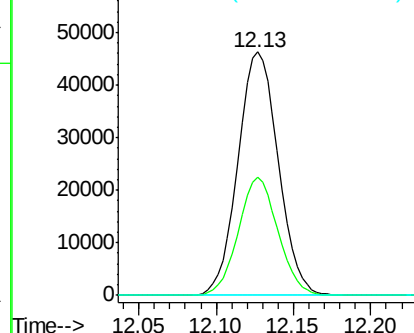
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.6	74.0
254	0.0	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

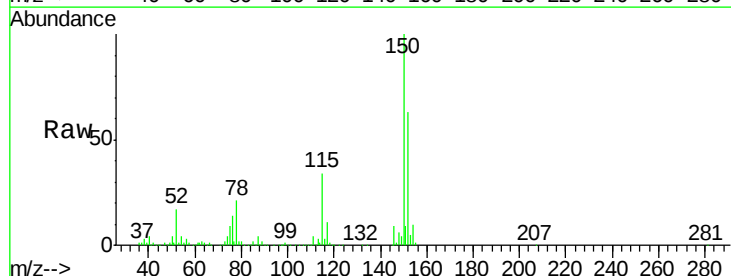
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

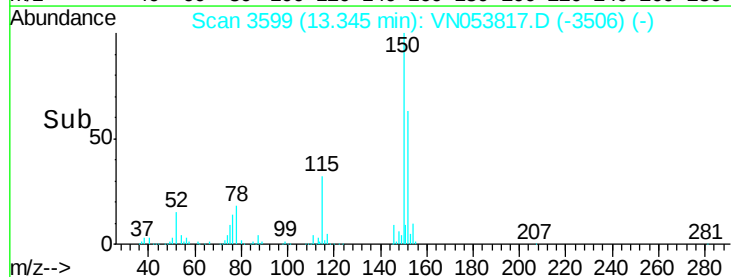
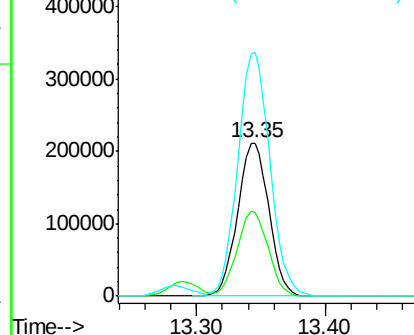
Lab File: VN053817.D

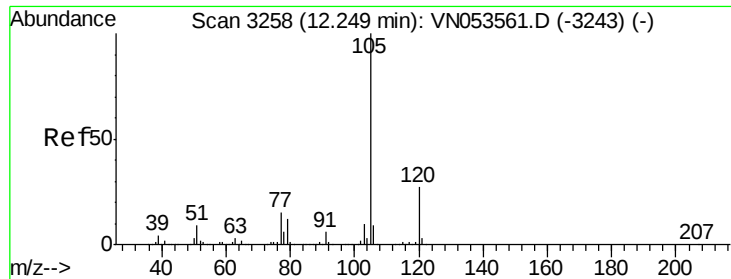
Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.8	83.4
150	164.1	0.0	349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.740 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion: 105 Resp: 518187

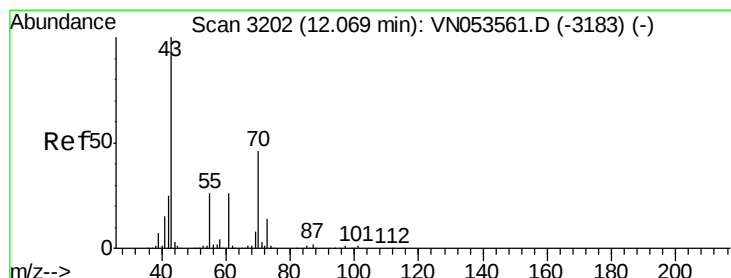
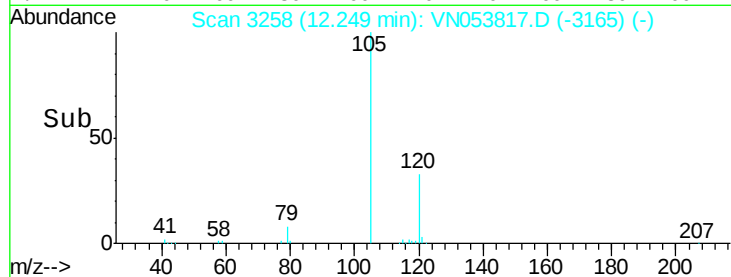
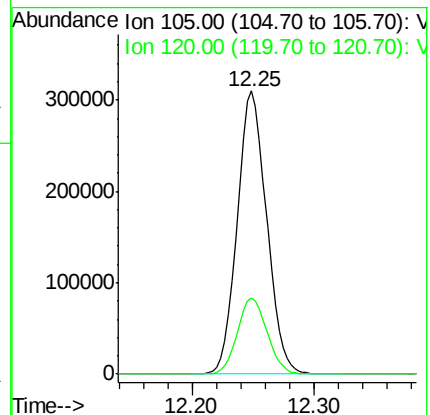
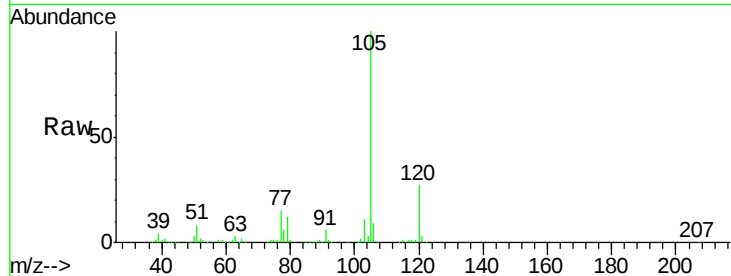
Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7

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#74

N-ethyl acetate

Concen: 19.803 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion: 43 Resp: 118977

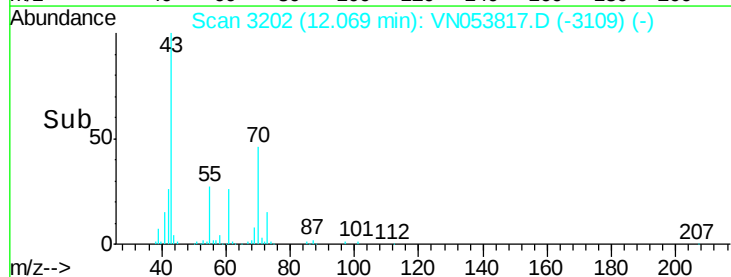
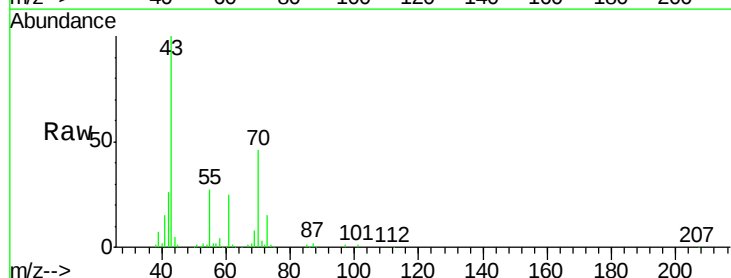
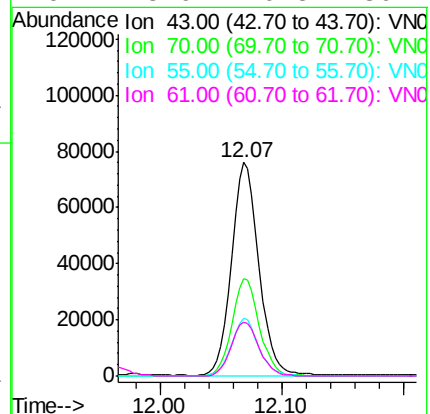
Ion Ratio Lower Upper

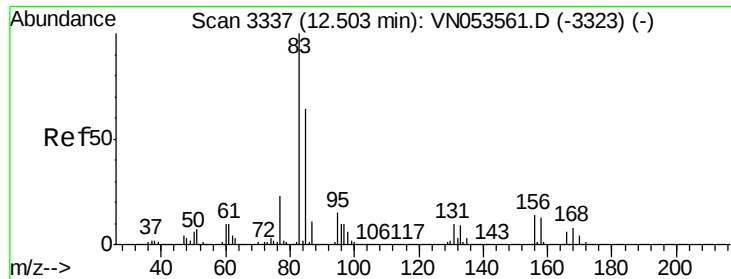
43 100

70 45.7 35.4 53.2

55 27.0 20.9 31.3

61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.298 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

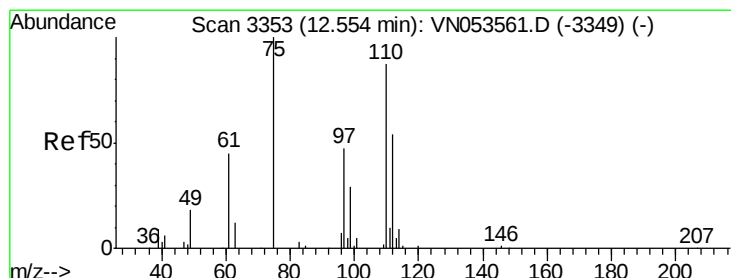
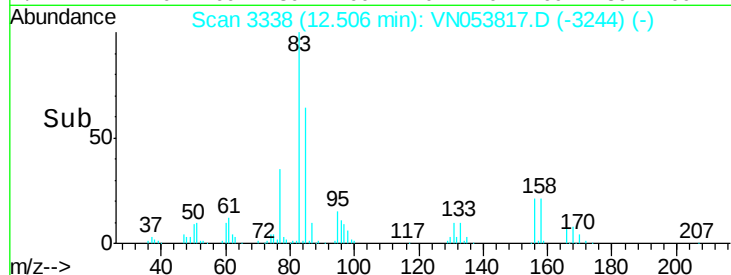
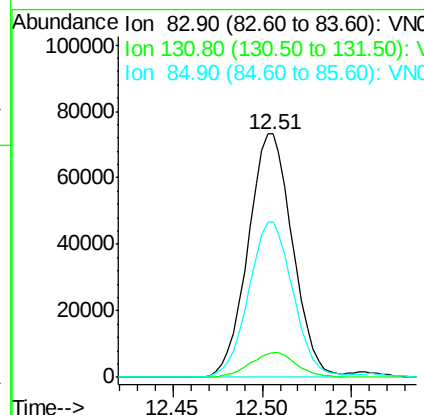
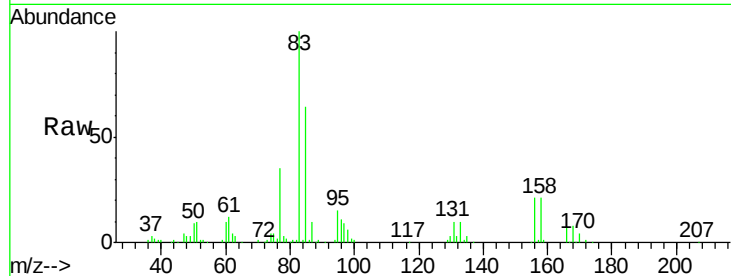
ClientSampleId :

VN0215WBS02

Tot Ion:	83	Resp:	127356
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	64.2	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.078 ug/l m

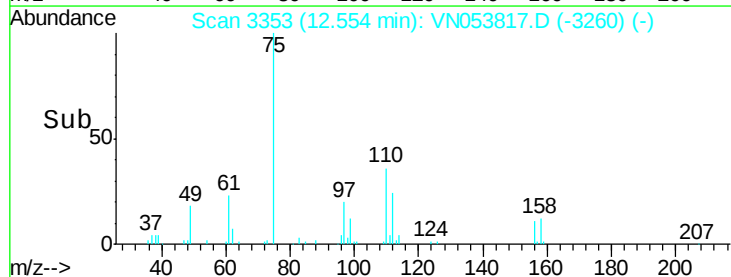
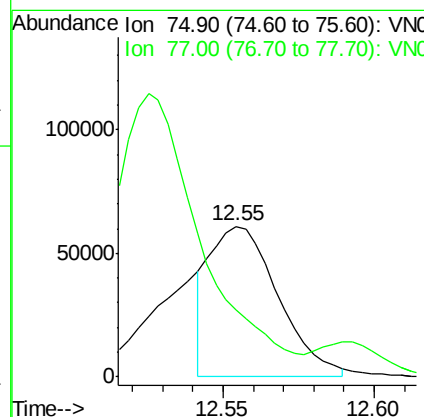
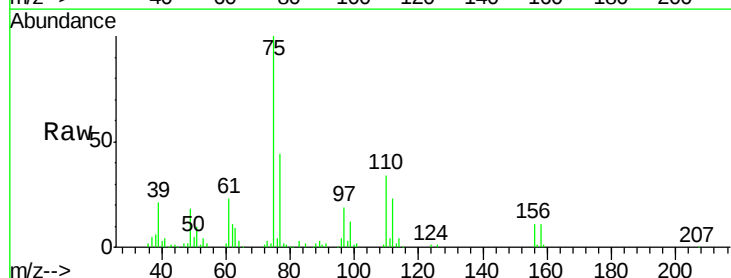
RT: 12.55 min Scan# 3353

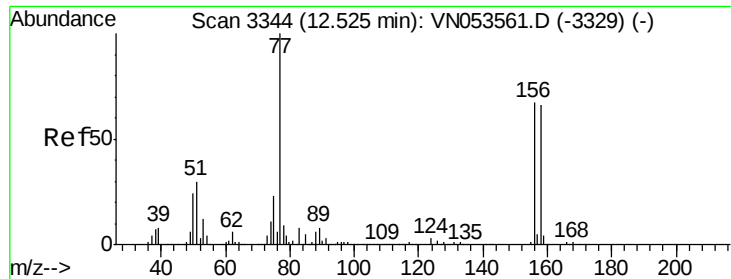
Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion:	75	Resp:	96222
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.813 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

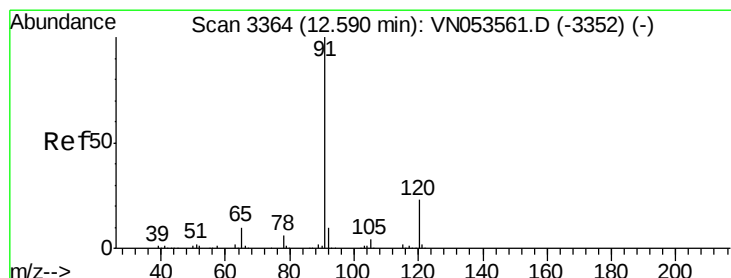
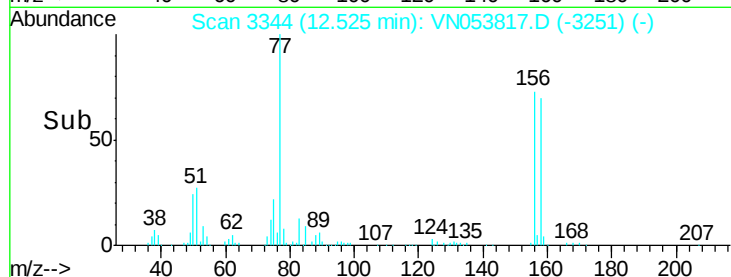
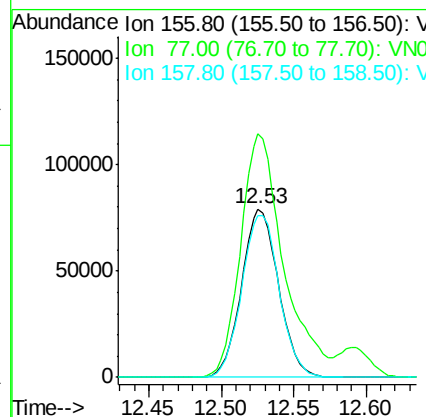
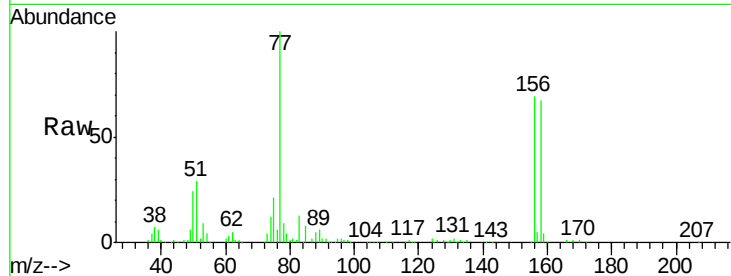
ClientSampleId :

VN0215WBS02

Tot Ion:	156	Resp:	140147
Ion Ratio	Lower	Upper	
156	100		
77	169.1	87.9	263.8
158	98.3	48.8	146.4

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#78

n-propylbenzene

Concen: 20.198 ug/l

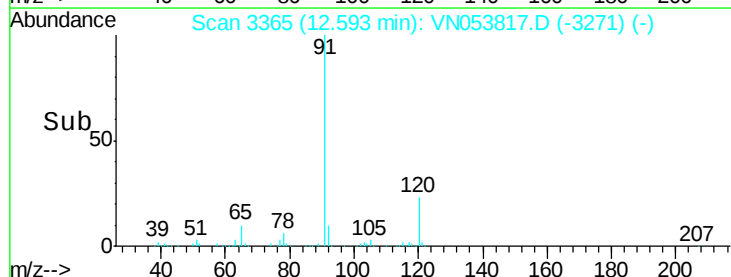
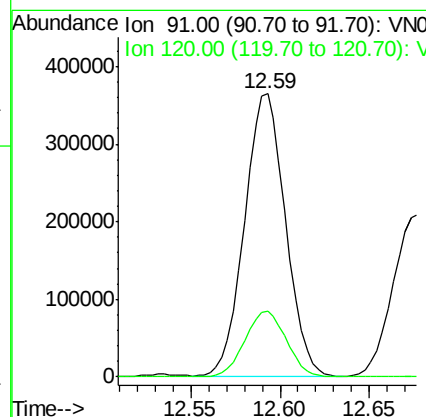
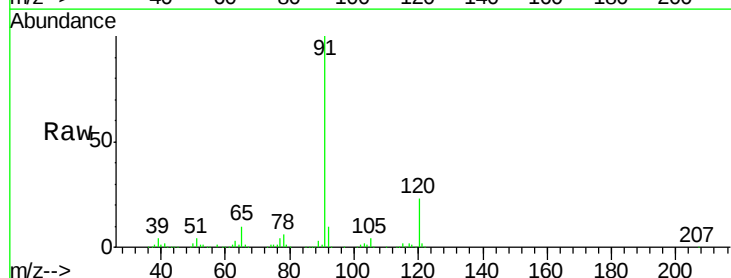
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion:	91	Resp:	583371
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.497 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBS02

Tot Ion: 91 Resp: 351233

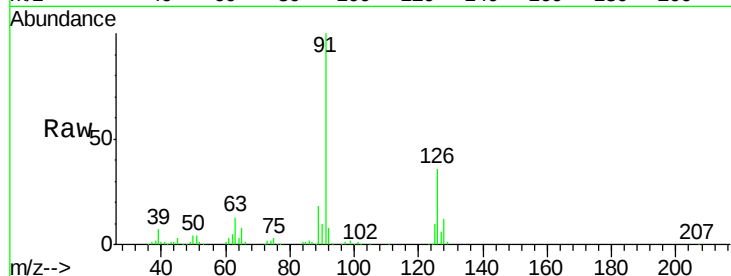
Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7

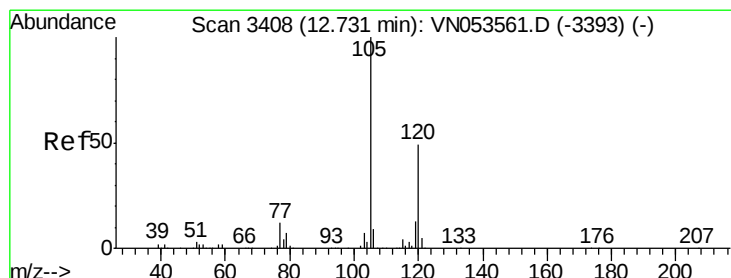
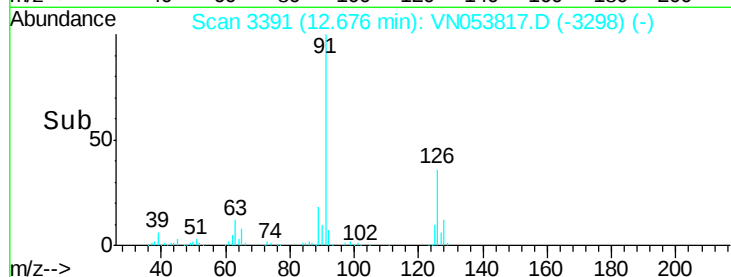
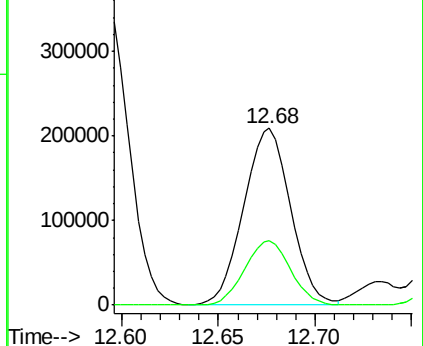
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Abundance Ion 91.00 (90.70 to 91.70): VN053817.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN053817.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.155 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053817.D

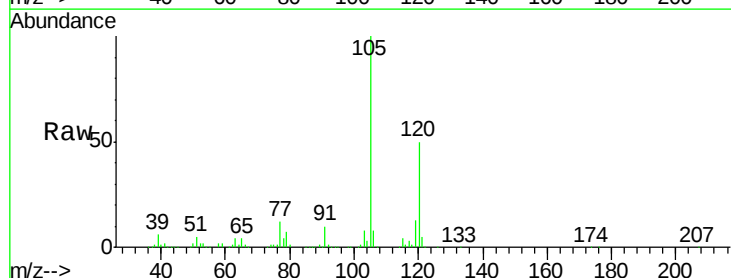
Acq: 15 Feb 2019 23:46

Tgt Ion: 105 Resp: 438301

Ion Ratio Lower Upper

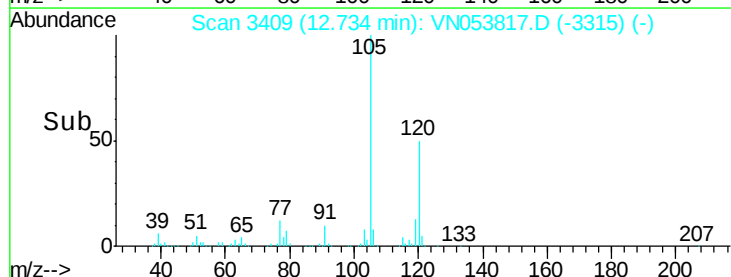
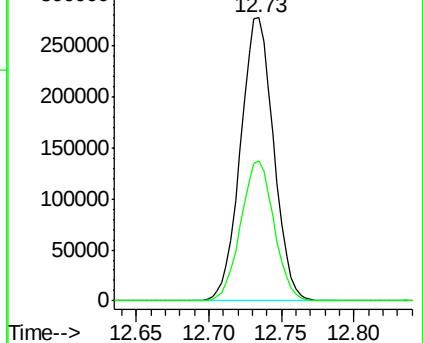
105 100

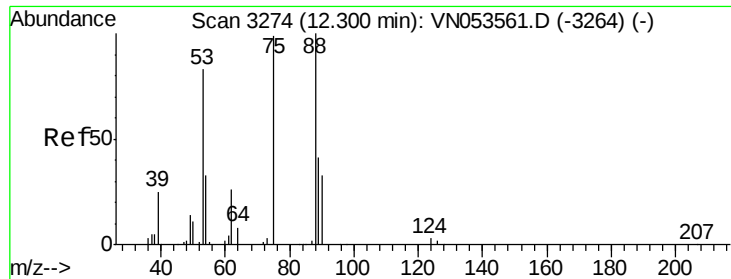
120 49.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053817.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN053817.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.200 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

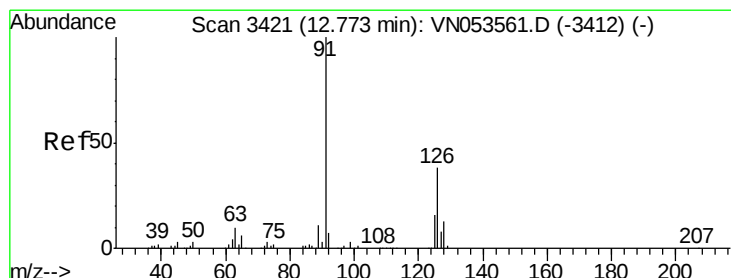
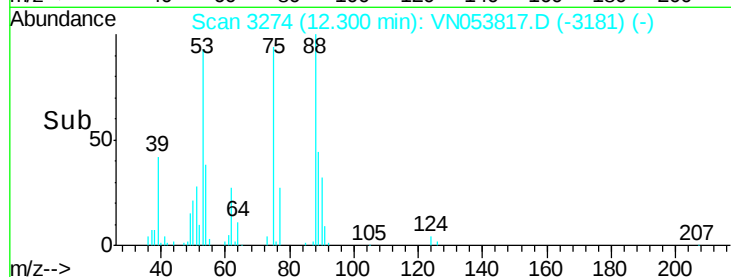
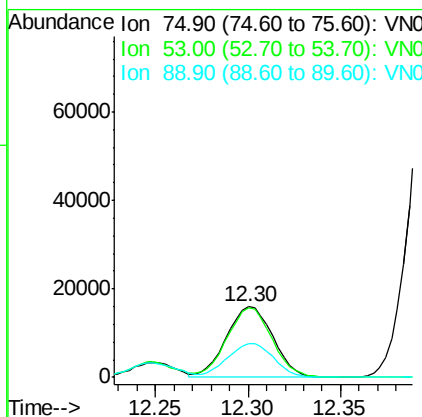
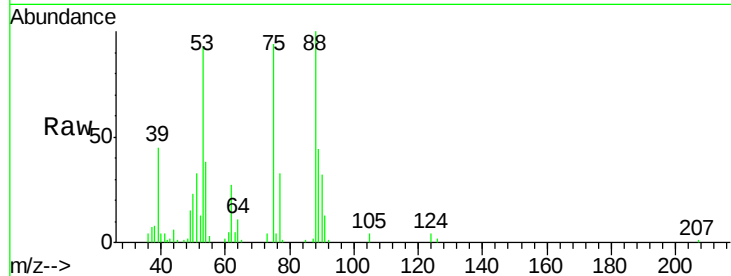
ClientSampleId :

VN0215WBS02

Tot Ion:	75	Resp:	27923
Ion	Ratio	Lower	Upper
75	100		
53	95.1	69.8	104.6
89	47.7	35.6	53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.665 ug/l

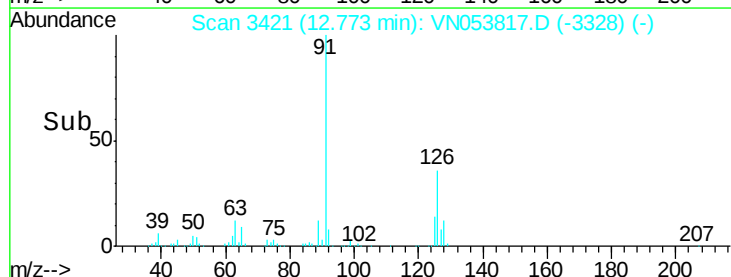
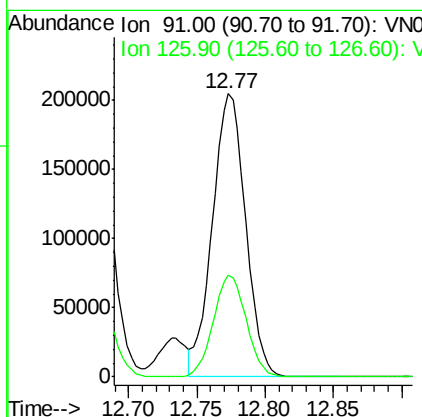
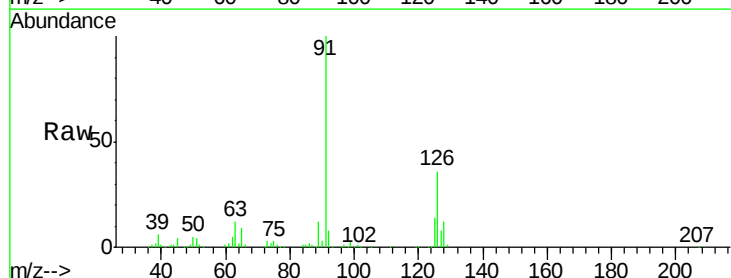
RT: 12.77 min Scan# 3421

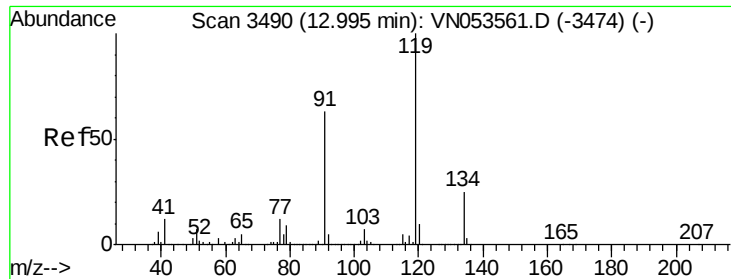
Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion:	91	Resp:	345792
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.6	52.9





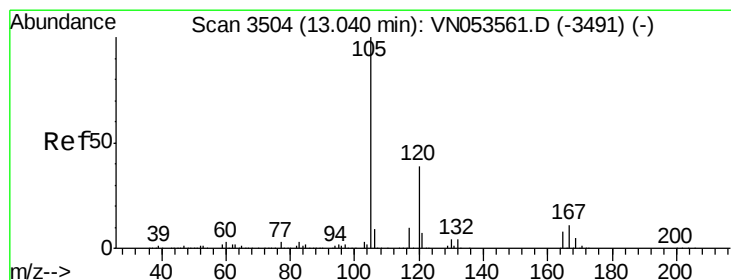
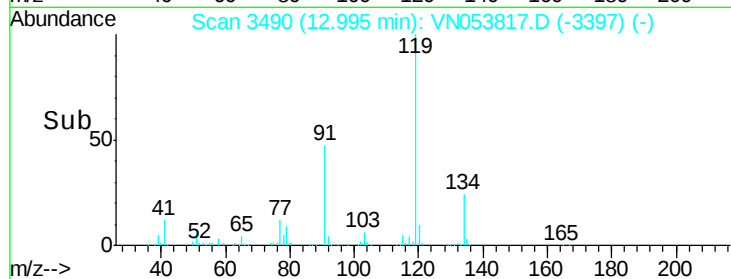
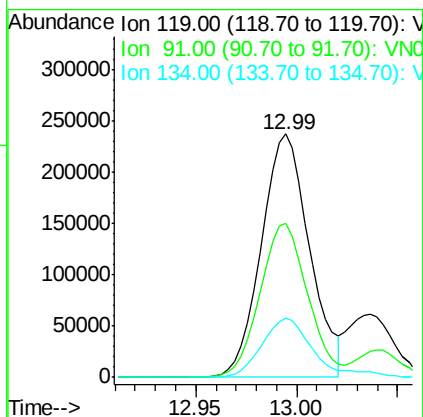
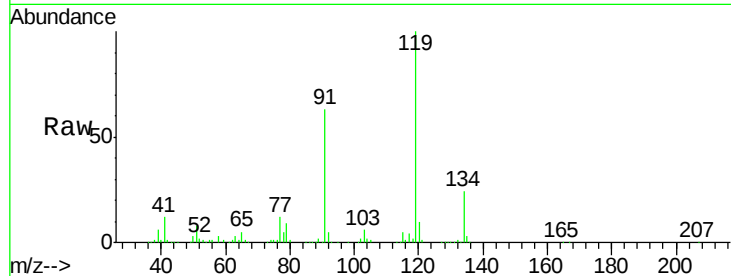
#83
 tert-Butylbenzene
 Concen: 21.545 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	394519		
91	62.5		31.3	93.8
134	25.9		12.9	38.7

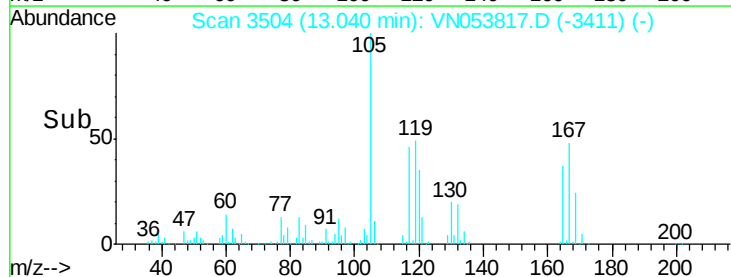
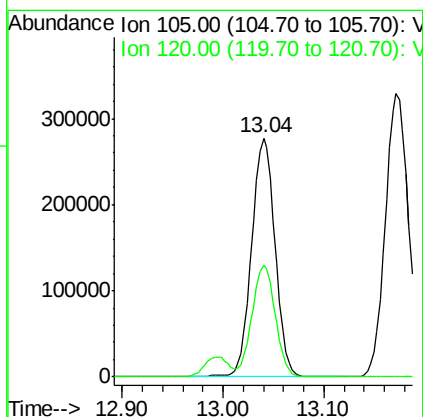
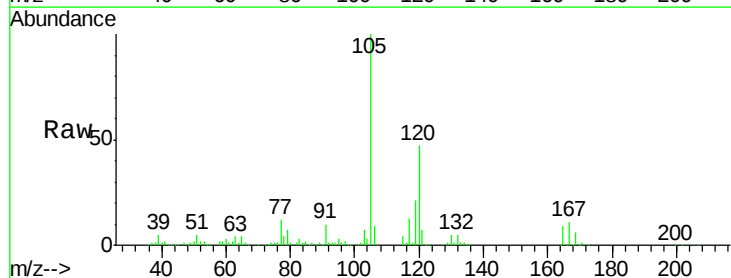
Manual Integrations
 APPROVED

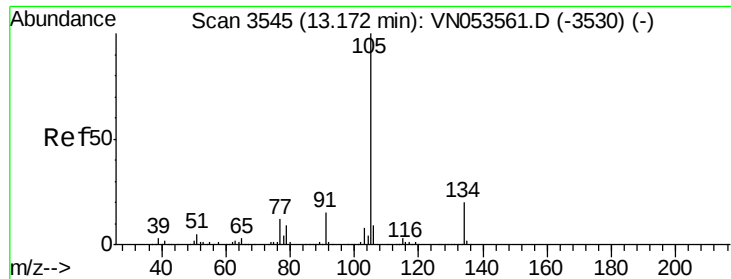
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.944 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	442094		
120	46.7		23.0	69.0





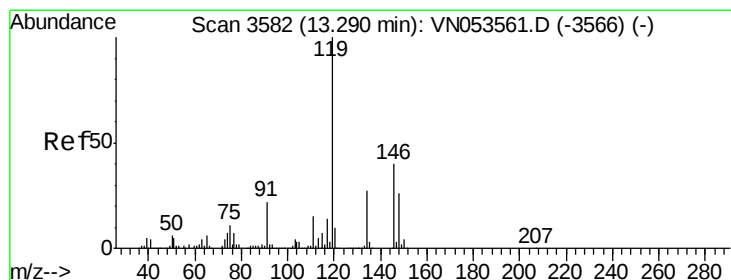
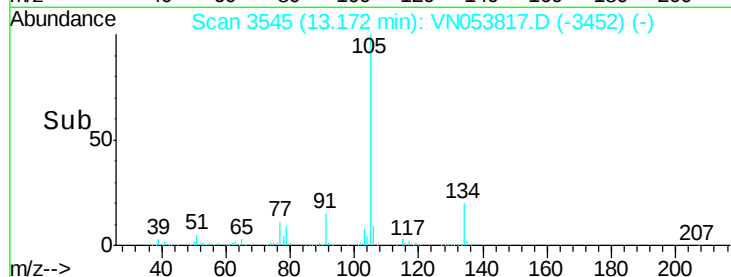
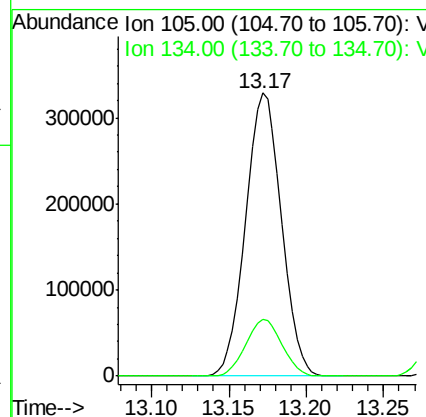
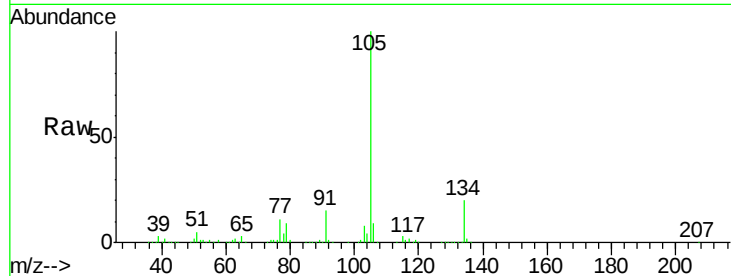
#85
 sec-Butylbenzene
 Concen: 21.229 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.6

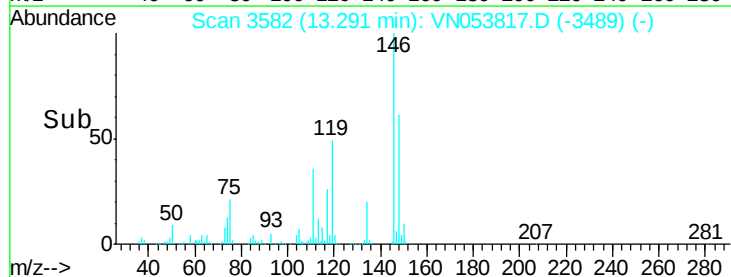
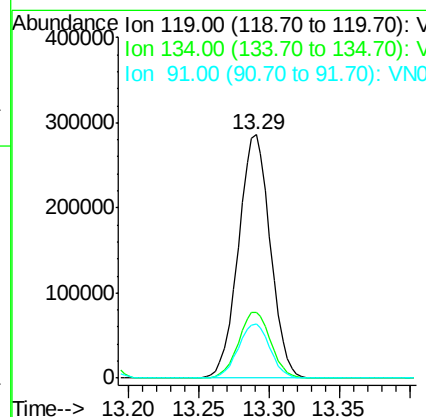
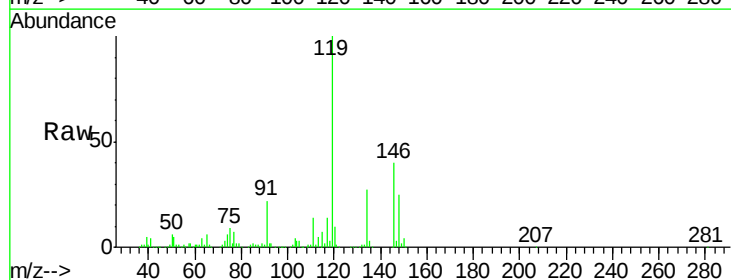
Manual Integrations
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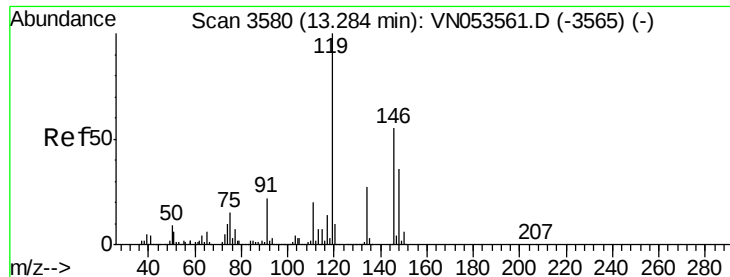
MMDadoda
 2/18/2019 9:48:40 AM



#86
 p-Isopropyltoluene
 Concen: 20.705 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.5	40.4
91	22.0	11.0	33.0





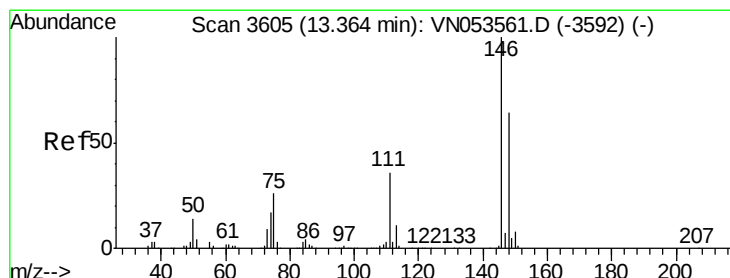
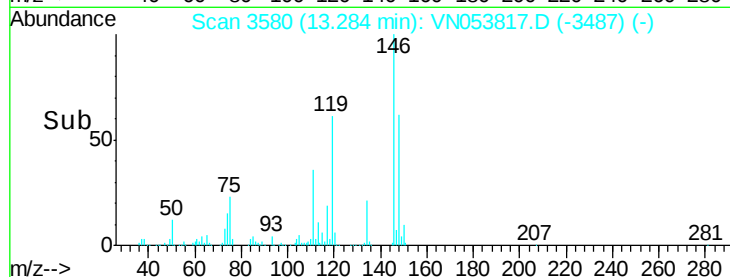
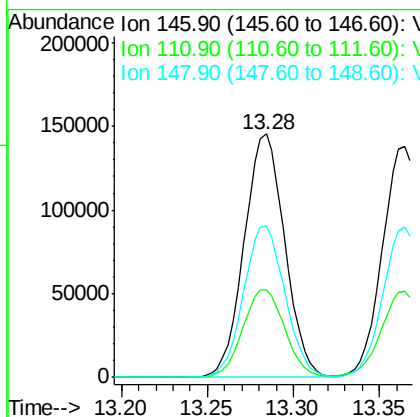
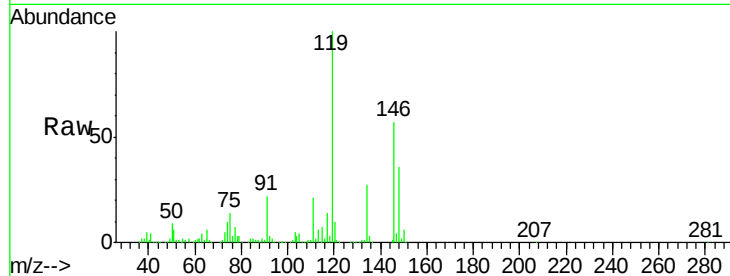
#87
 1,3-Dichlorobenzene
 Concen: 19.710 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	63.3	32.0	96.2

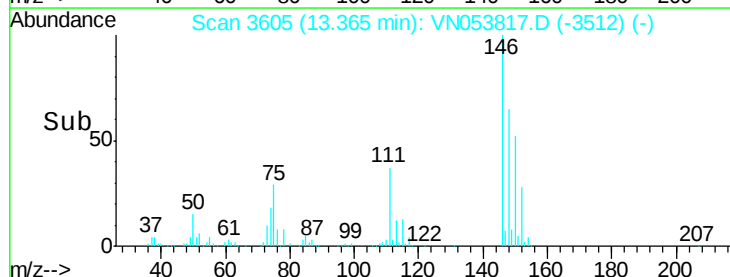
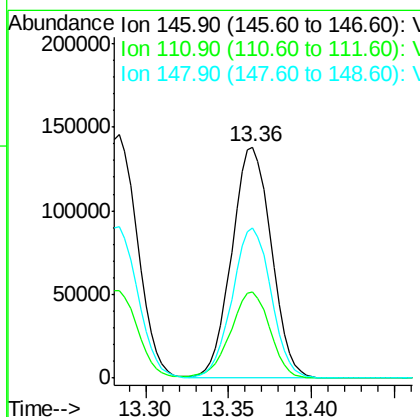
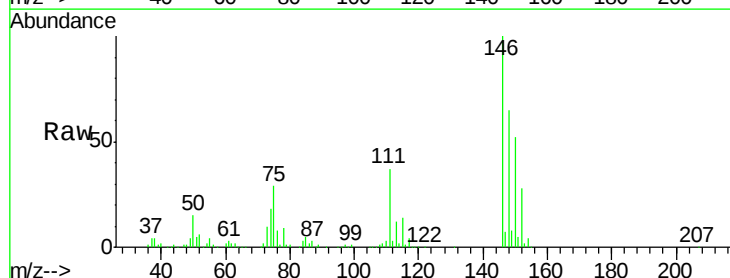
Manual Integrations
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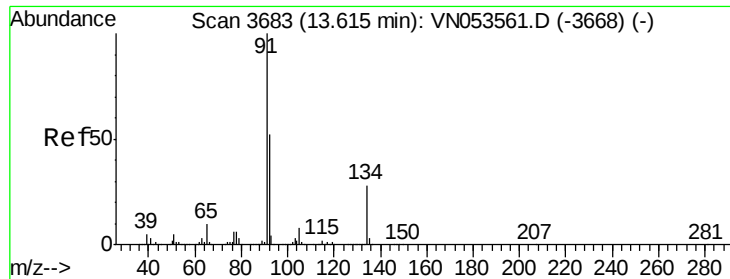
MMDadoda
 2/18/2019 9:48:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.212 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	63.9	32.4	97.0





#89

n-Butylbenzene

Concen: 18.820 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

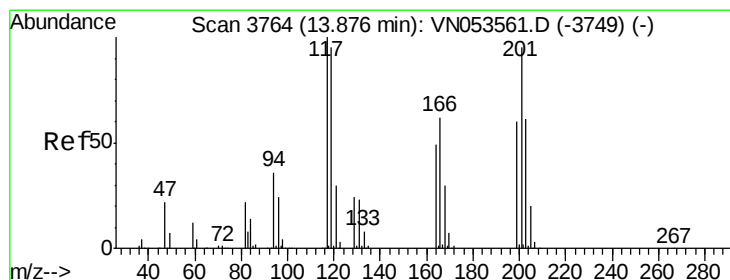
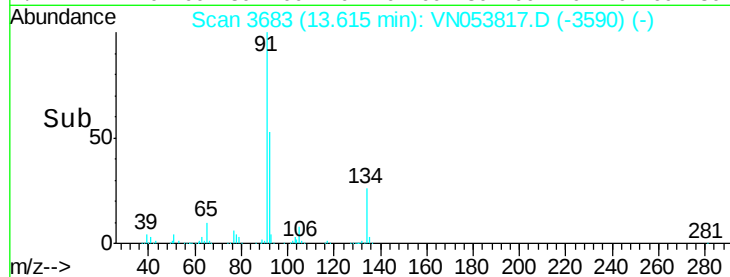
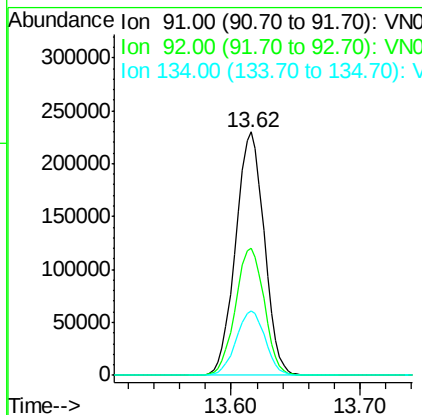
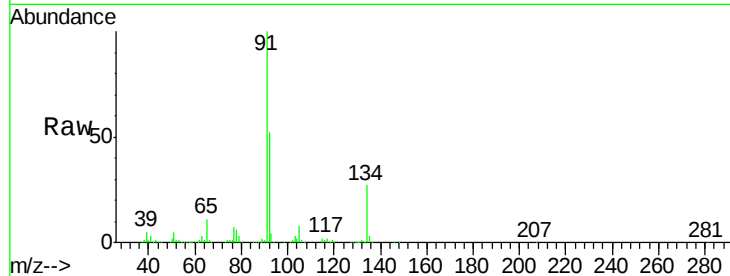
ClientSampleId :

VN0215WBS02

Tot Ion:	91	Resp:	355008
Ion Ratio	Lower	Upper	
91	100		
92	52.5	26.3	78.8
134	26.7	13.5	40.5

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#90

Hexachloroethane

Concen: 21.938 ug/l

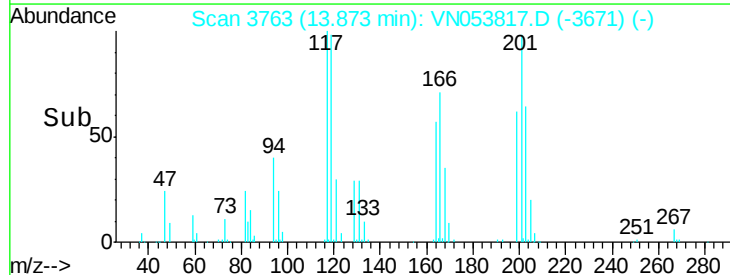
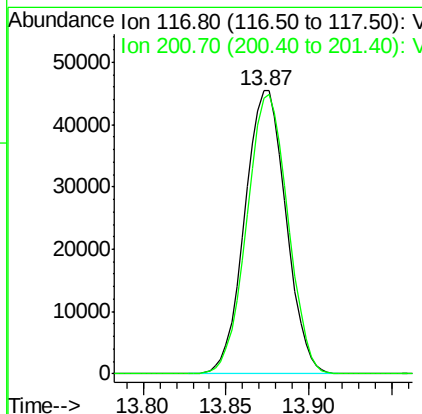
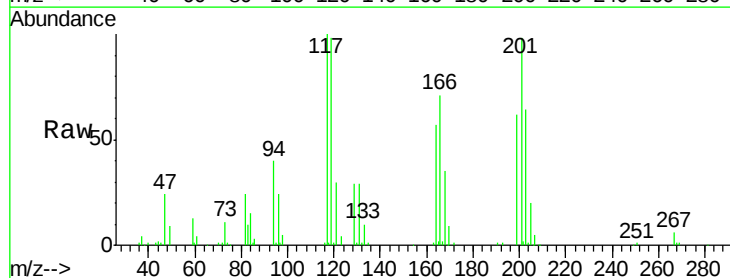
RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion:	117	Resp:	78864
Ion Ratio	Lower	Upper	
117	100		
201	97.8	46.8	140.4





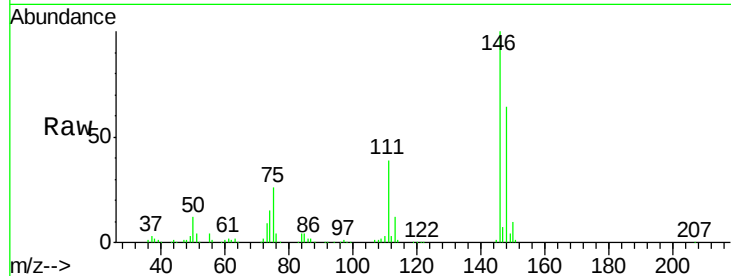
#91
 1,2-Dichlorobenzene
 Concen: 20.450 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBS02

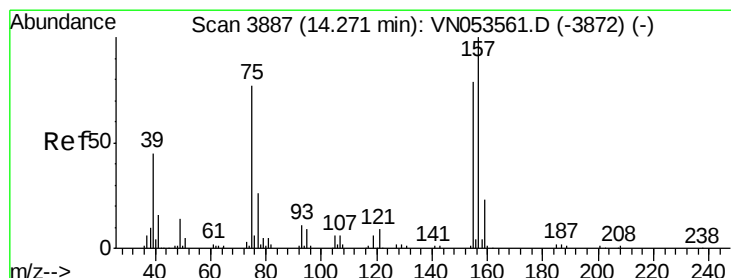
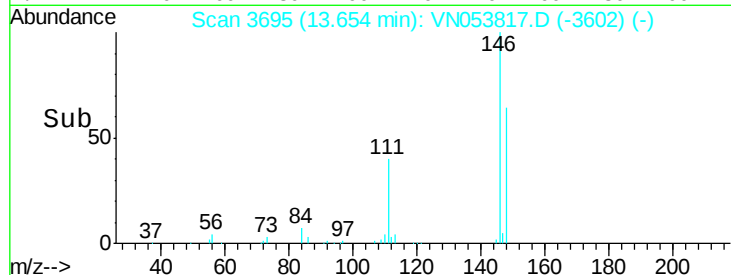
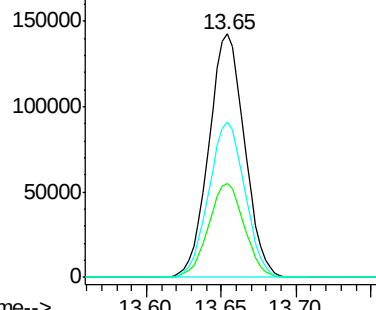
Tot Ion	Ratio	Resp	Lower	Upper
146	100	236980		
111	38.5	19.5	58.5	
148	64.2	31.9	95.9	

Manual Integrations
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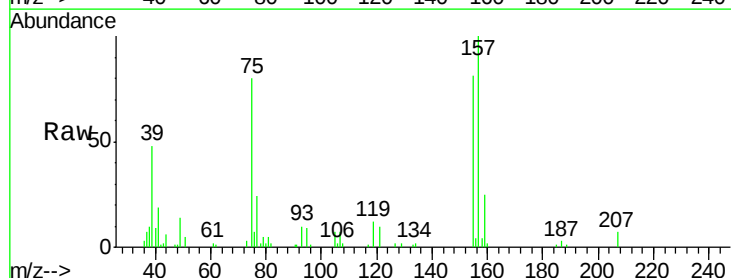


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

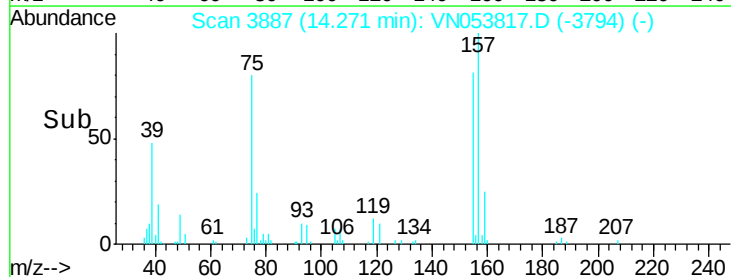
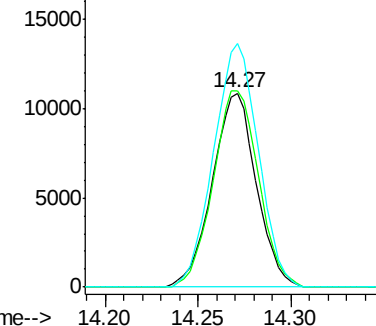


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.021 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053817.D
 Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17914		
155	104.4	48.9	146.7	
157	127.6	63.7	191.3	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 17.165 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Instrument :

MSVOA_N

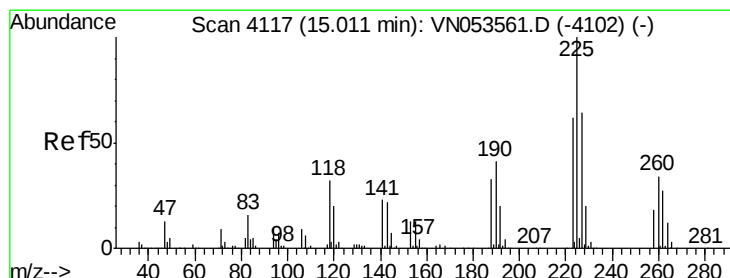
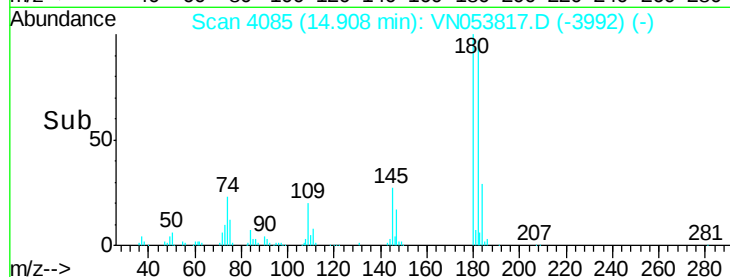
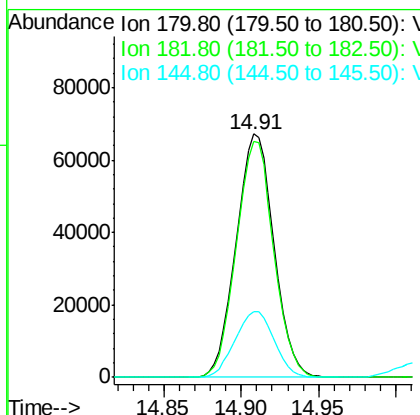
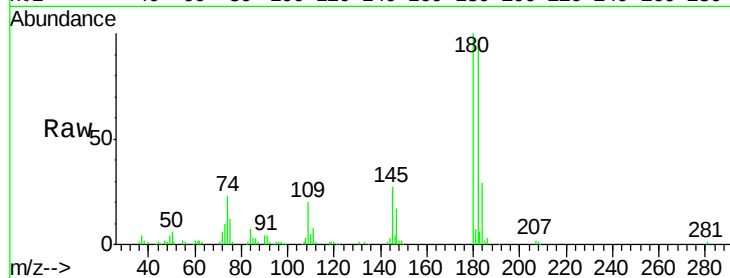
ClientSampleId :

VN0215WBS02

Tot Ion:	180	Resp:	114088
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.1	144.3
145	27.9	13.9	41.6

Manual Integrations
APPROVED

MMDadoda
2/18/2019 9:48:40 AM



#94

Hexachlorobutadiene

Concen: 21.370 ug/l

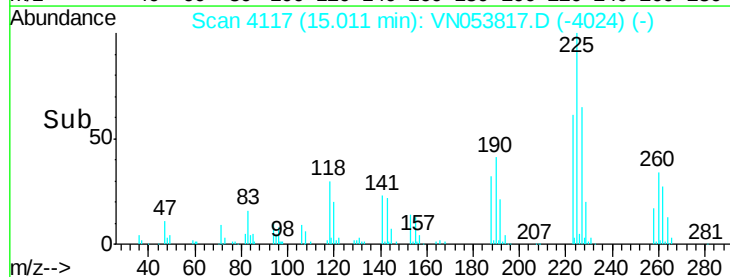
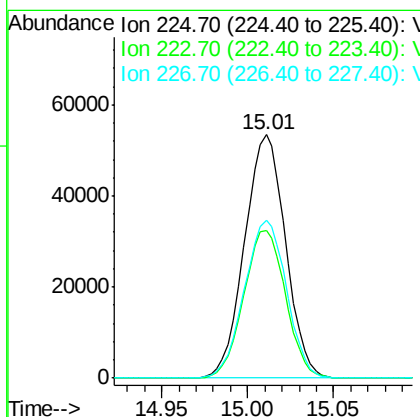
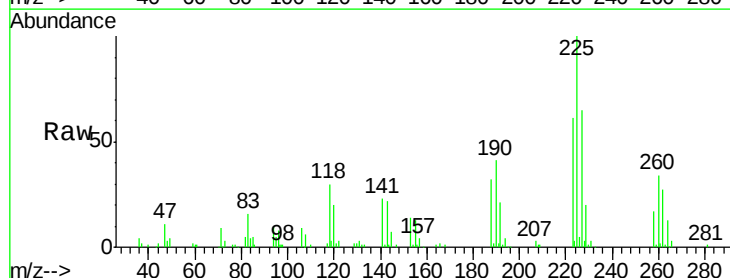
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053817.D

Acq: 15 Feb 2019 23:46

Tgt Ion:	225	Resp:	88452
Ion Ratio	Lower	Upper	
225	100		
223	61.8	31.1	93.2
227	66.5	32.0	96.2





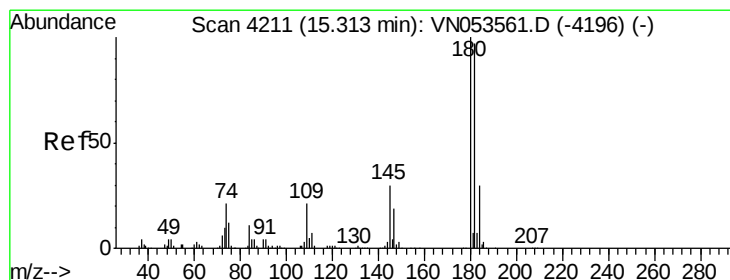
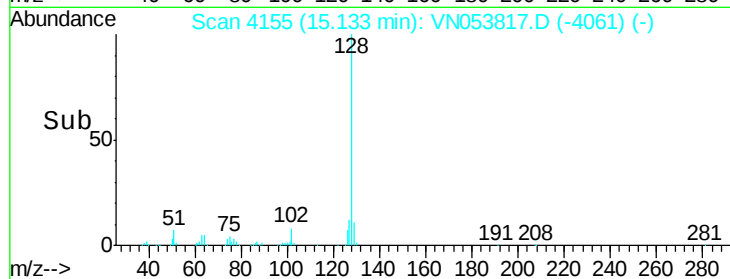
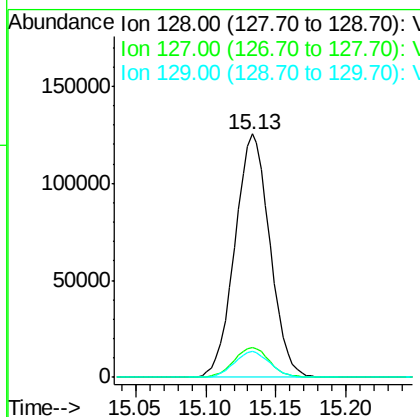
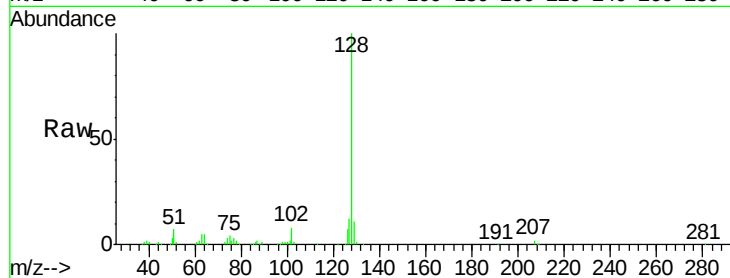
#95
Naphthalene
Concen: 15.224 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBS02

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/18/2019 9:48:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.329 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053817.D
Acq: 15 Feb 2019 23:46

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.8	47.9	143.8
145	30.1	14.7	44.1

