

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN013019\
 Data File : VN053570.D
 Acq On : 30 Jan 2019 14:34
 Operator : JC/SP
 Sample : VN0130WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 9:18:54 AM

Quant Time: Jan 31 06:31:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 31 05:27:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	703692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1093408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	956311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	448183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	362572	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.59	113	343850	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.09	98	1278924	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.40	95	421891	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	165949	21.115	ug/l	98
3) Chloromethane	2.06	50	178342	21.347	ug/l	99
4) Vinyl Chloride	2.19	62	171845	21.190	ug/l	100
5) Bromomethane	2.57	94	111461	21.020	ug/l	97
6) Chloroethane	2.71	64	96269	20.773	ug/l	98
7) Trichlorofluoromethane	3.02	101	227066	20.647	ug/l	100
8) Diethyl Ether	3.41	74	84244	20.975	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	139604	20.526	ug/l	99
10) Methyl Iodide	3.96	142	207665	19.453	ug/l	100
11) Tert butyl alcohol	4.79	59	47680	114.124	ug/l	98
12) 1,1-Dichloroethene	3.74	96	136479	20.944	ug/l	98
13) Acrolein	3.61	56	33262	209.394	ug/l	100
14) Allyl chloride	4.33	41	214761	20.699	ug/l	99
15) Acrylonitrile	4.99	53	252801	112.084	ug/l	99
16) Acetone	3.82	43	195725	108.090	ug/l	100
17) Carbon Disulfide	4.06	76	405924	20.006	ug/l	99
18) Methyl Acetate	4.33	43	113150	21.100	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	358097	21.678	ug/l	98
20) Methylene Chloride	4.55	84	154043	20.277	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	143510	20.413	ug/l	97
22) Diisopropyl ether	5.96	45	410169	21.335	ug/l	97
23) Vinyl Acetate	5.90	43	1467416	110.337	ug/l	98
24) 1,1-Dichloroethane	5.85	63	263126	20.520	ug/l	100
25) 2-Butanone	6.84	43	280824	108.740	ug/l	99
26) 2,2-Dichloropropane	6.82	77	193202	19.738	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	163285	20.887	ug/l	98
28) Bromochloromethane	7.20	49	108806	19.553	ug/l	96
29) Tetrahydrofuran	7.21	42	188551	113.700	ug/l	97
30) Chloroform	7.37	83	259709	20.432	ug/l	99
31) Cyclohexane	7.66	56	242666	20.225	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	216868	20.501	ug/l	99
36) 1,1-Dichloropropene	7.79	75	201922	20.486	ug/l	99
37) Ethyl Acetate	6.93	43	125997	22.888	ug/l	98
38) Carbon Tetrachloride	7.78	117	192037	19.341	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	229924	19.662	ug/l	99
40) Benzene	8.04	78	612301	20.145	ug/l	99
41) Methacrylonitrile	7.17	41	60455	19.650	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	178070	19.731	ug/l	98
43) Isopropyl Acetate	8.17	43	223534	21.027	ug/l #	86
44) Trichloroethene	8.84	130	163225	18.863	ug/l	98
45) 1,2-Dichloropropane	9.12	63	158650	20.407	ug/l	100
46) Dibromomethane	9.21	93	94779	20.224	ug/l	98
47) Bromodichloromethane	9.40	83	192670	19.773	ug/l	98
48) Methyl methacrylate	9.20	41	98655	19.441	ug/l	91
49) 1,4-Dioxane	9.20	88	30333	435.487	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	587647	112.488	ug/l	99
52) Toluene	10.16	92	366924	20.341	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	191391	19.616	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	227985	19.719	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	137965	21.225	ug/l	99
56) Ethyl methacrylate	10.43	69	161163	20.958	ug/l	99
57) 1,3-Dichloropropane	10.71	76	227946	20.519	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	452648	99.883	ug/l	99
59) 2-Hexanone	10.75	43	373947	105.441	ug/l	99
60) Dibromochloromethane	10.90	129	148895	20.313	ug/l	100
61) 1,2-Dibromoethane	11.01	107	128387	19.955	ug/l	99
64) Tetrachloroethene	10.63	164	159097	19.408	ug/l	98
65) Chlorobenzene	11.44	112	395489	19.470	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	140242	19.769	ug/l	100
67) Ethyl Benzene	11.51	91	662358	19.850	ug/l	98
68) m/p-Xylenes	11.62	106	519504	40.792	ug/l	99
69) o-Xylene	11.95	106	250878	20.391	ug/l	98
70) Styrene	11.97	104	406976	20.408	ug/l	99
71) Bromoform	12.13	173	101821	20.935	ug/l #	97
73) Isopropylbenzene	12.25	105	646977	20.535	ug/l	100
74) N-amyl acetate	12.07	43	161378	21.300	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	158708	21.048	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	133842m	23.250	ug/l	
77) Bromobenzene	12.53	156	172948	20.368	ug/l	99
78) n-propylbenzene	12.59	91	744914	20.452	ug/l	100
79) 2-Chlorotoluene	12.68	91	445287	20.607	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	553704	21.193	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42114	20.571	ug/l	99
82) 4-Chlorotoluene	12.77	91	453548	20.455	ug/l	99
83) tert-Butylbenzene	12.99	119	478734	20.732	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	559730	21.028	ug/l	99
85) sec-Butylbenzene	13.17	105	654113	20.816	ug/l	100
86) p-Isopropyltoluene	13.29	119	568141	20.673	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	304035	19.918	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	296568	19.641	ug/l	99
89) n-Butylbenzene	13.62	91	471611	19.826	ug/l	99
90) Hexachloroethane	13.88	117	89280	19.695	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	299098	20.468	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23069	21.467	ug/l	97

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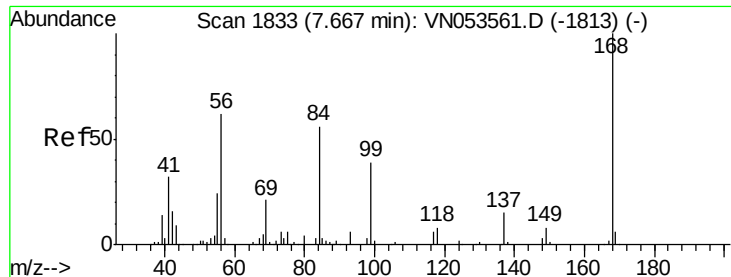
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	170717	20.369	ug/l	100
94) Hexachlorobutadiene	15.01	225	104920	20.102	ug/l	99
95) Naphthalene	15.13	128	376036	20.173	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	164030	21.093	ug/l	99

(#) = 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: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 168 Resp: 703692

Ion Ratio Lower Upper

168 100

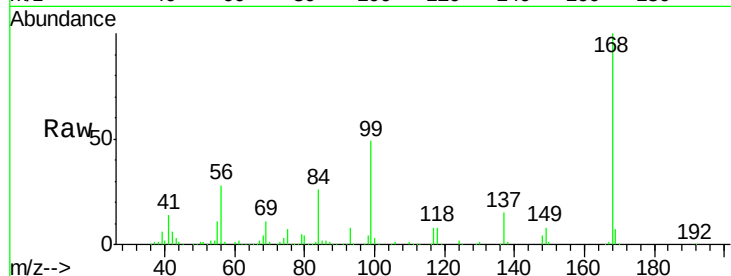
99 48.5 39.1 58.7

Manual Integrations

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2/1/2019 9:18:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

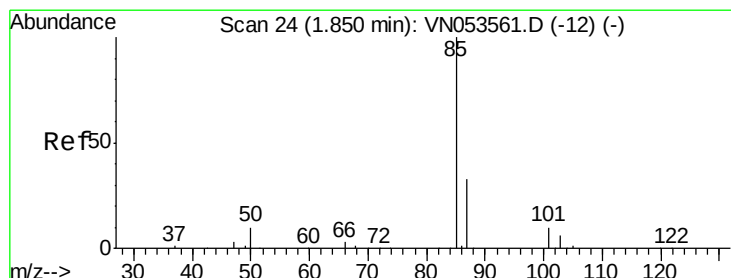
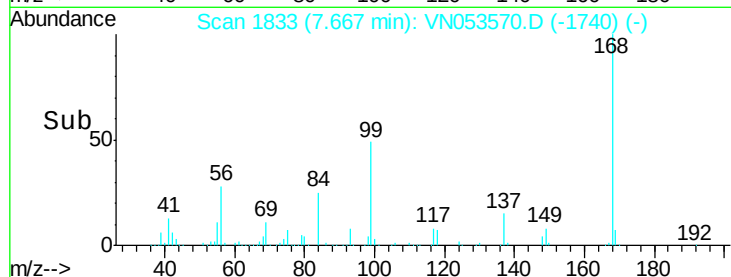
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 21.115 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053570.D

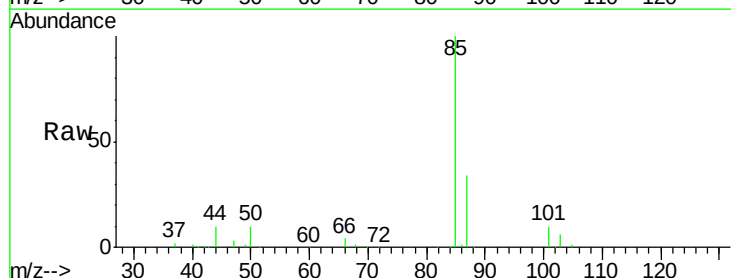
Acq: 30 Jan 2019 14:34

Tgt Ion: 85 Resp: 165949

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

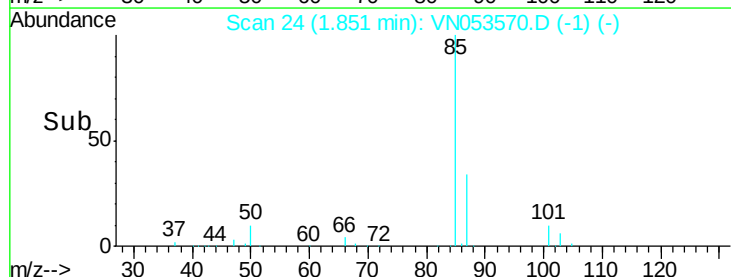
1.85

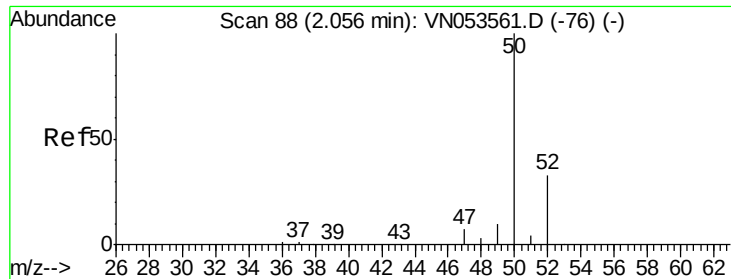
100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 21.347 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 50 Resp: 178342

Ion Ratio Lower Upper

50 100

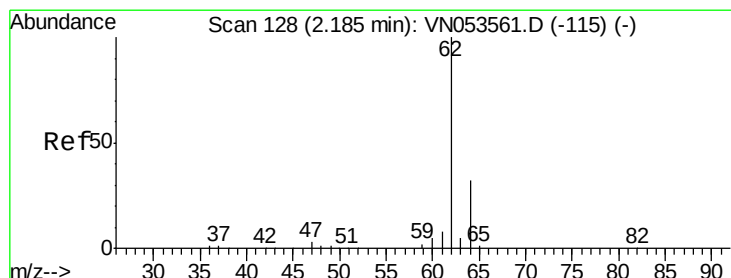
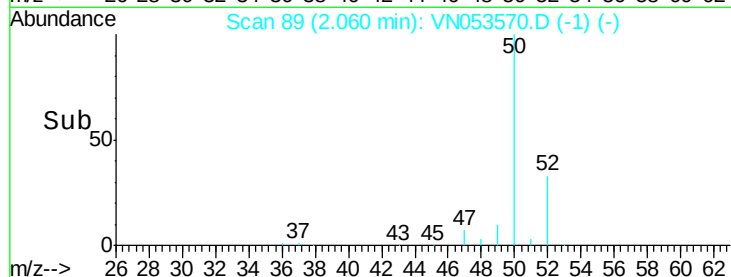
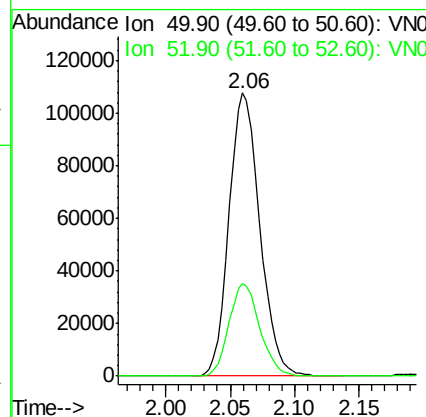
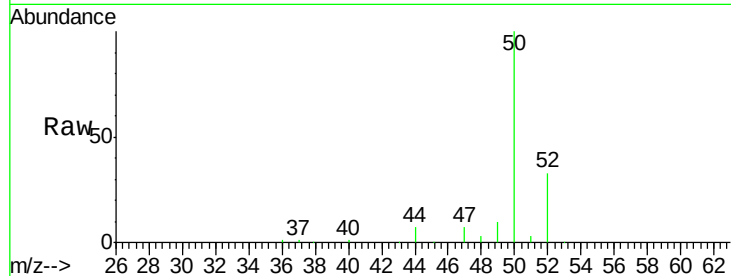
52 32.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.190 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053570.D

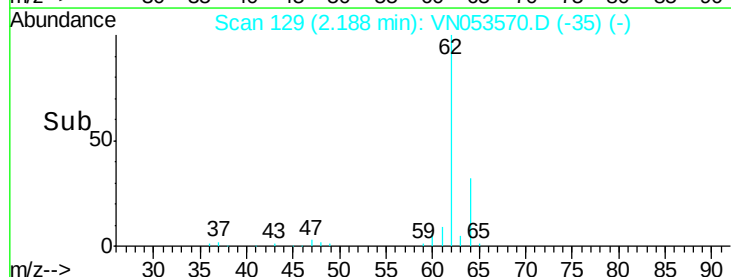
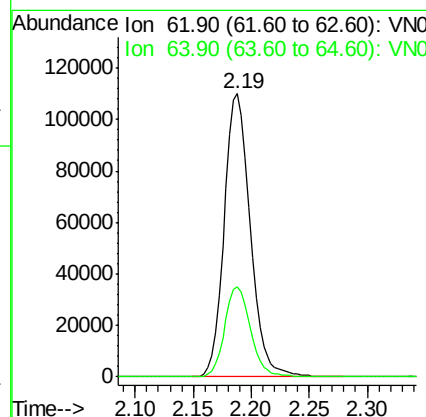
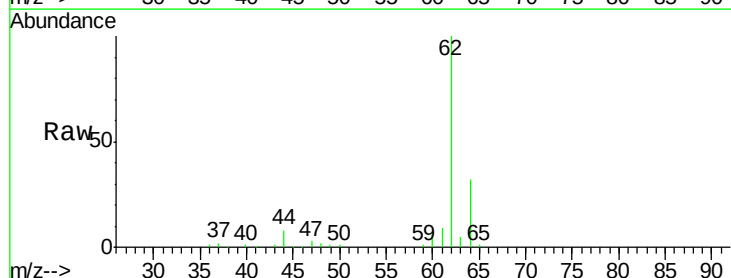
Acq: 30 Jan 2019 14:34

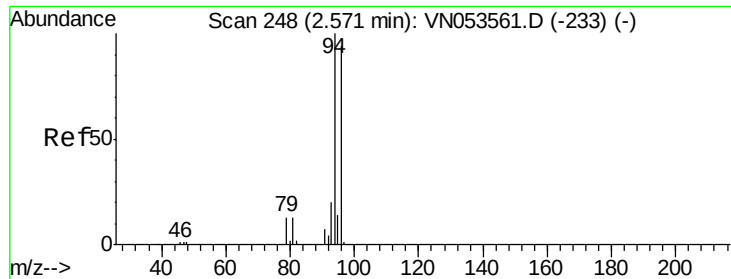
Tgt Ion: 62 Resp: 171845

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 21.020 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 94 Resp: 111461

Ion Ratio Lower Upper

94 100

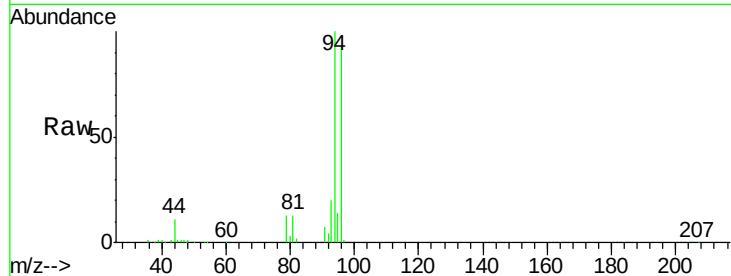
96 93.5 76.8 115.2

Manual Integrations

APPROVED

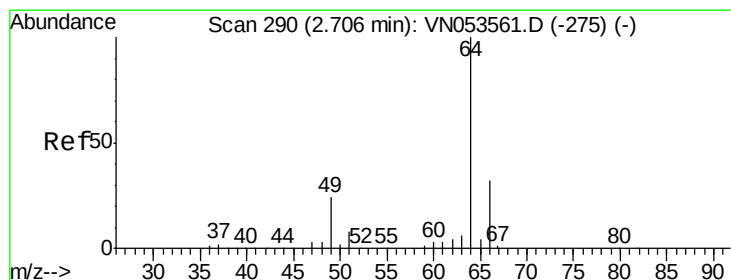
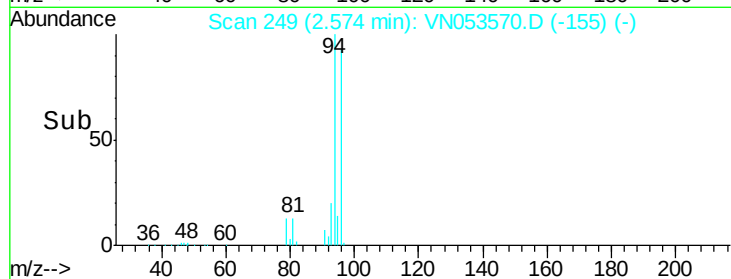
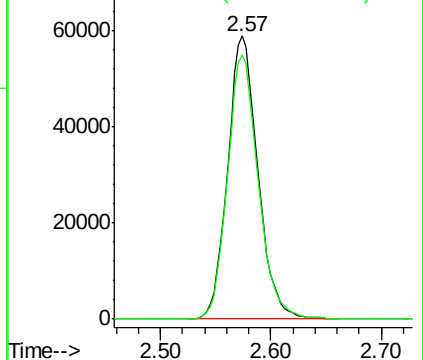
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.773 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053570.D

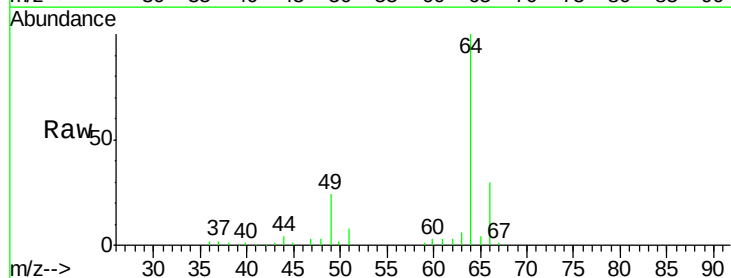
Acq: 30 Jan 2019 14:34

Tgt Ion: 64 Resp: 96269

Ion Ratio Lower Upper

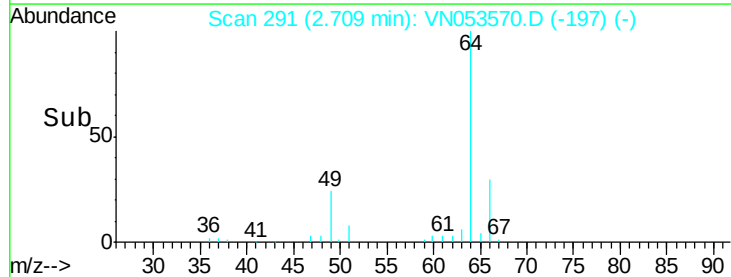
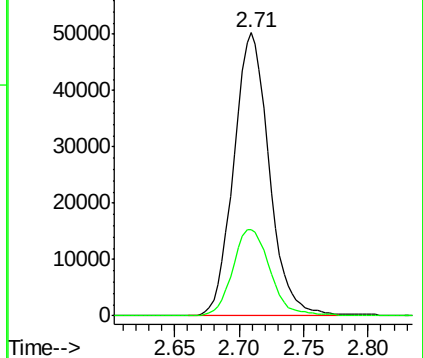
64 100

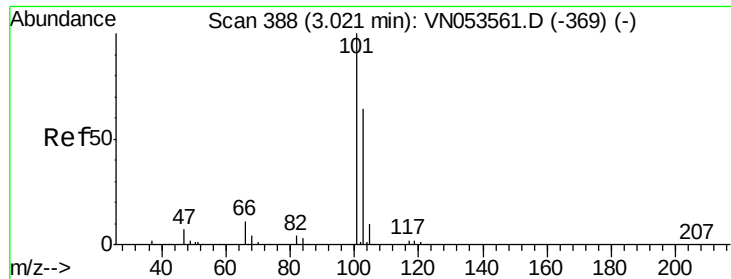
66 30.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

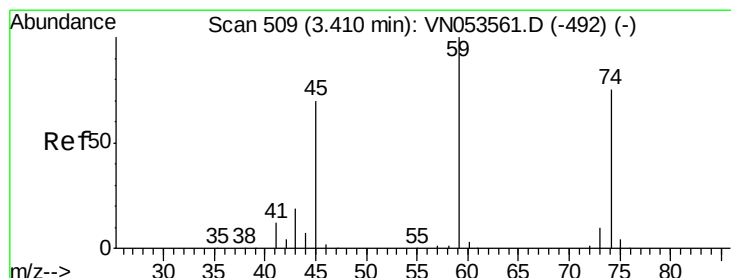
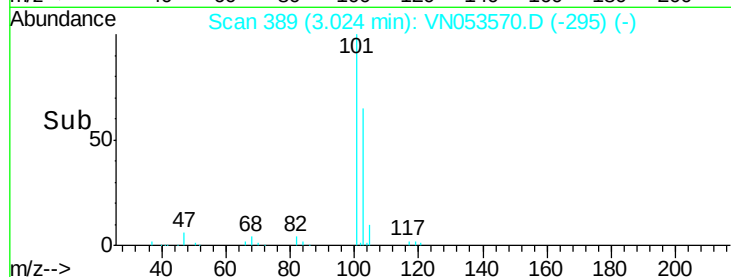
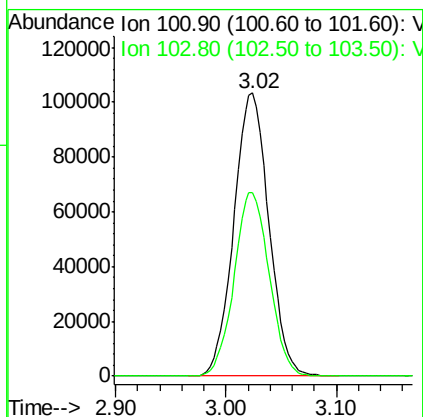
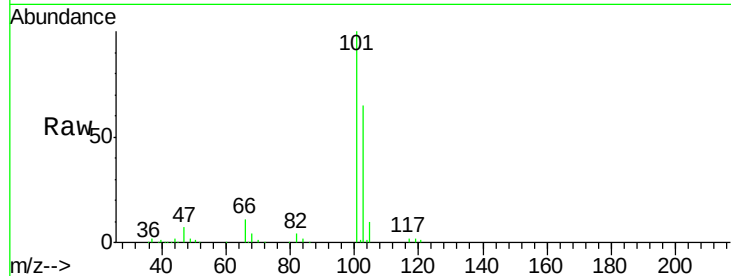
Trichlorofluoromethane
 Concen: 20.647 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

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 VN0130WBSD01

Tgt Ion: 101 Resp: 227066
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4

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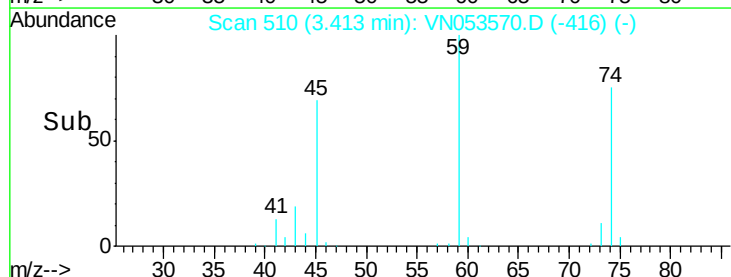
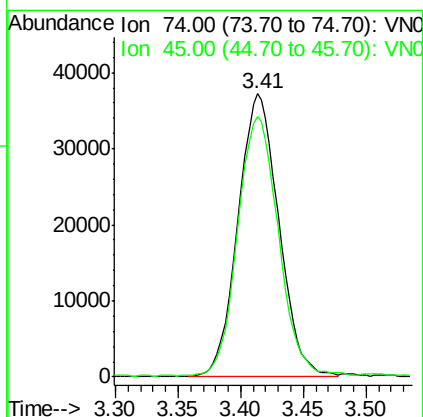
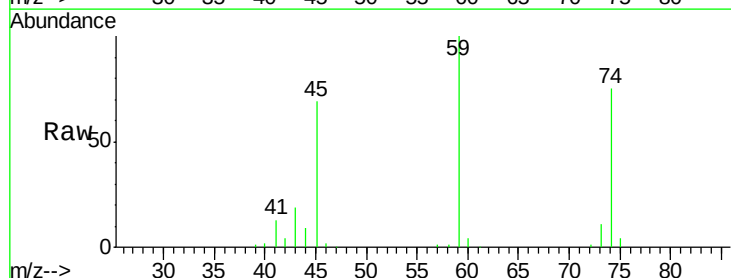
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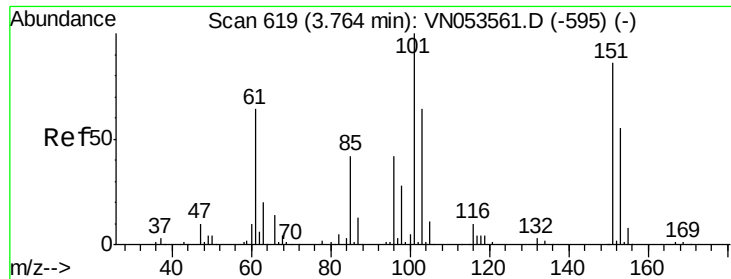


#8

Diethyl Ether
 Concen: 20.975 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion: 74 Resp: 84244
 Ion Ratio Lower Upper
 74 100
 45 91.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.526 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

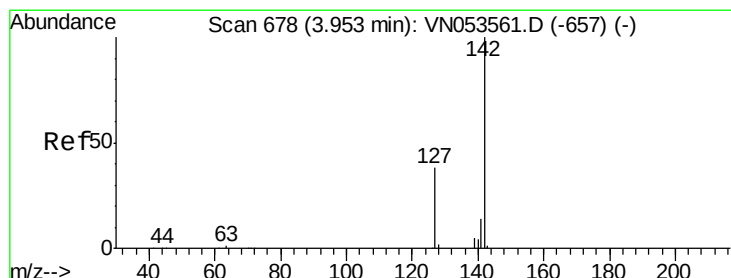
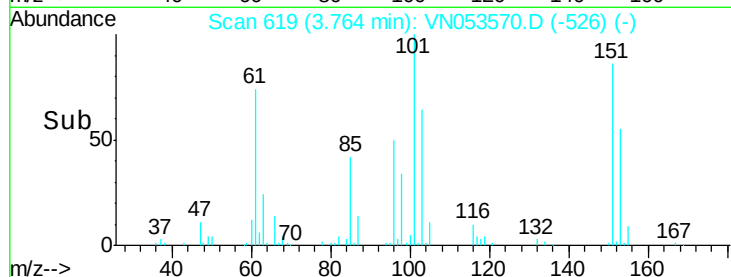
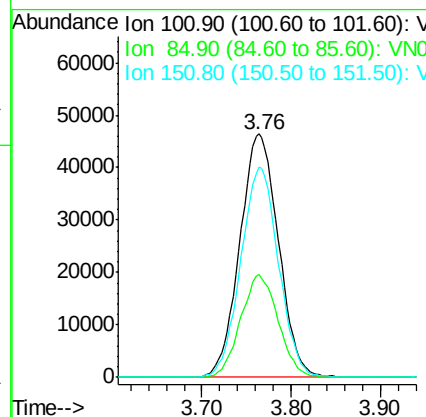
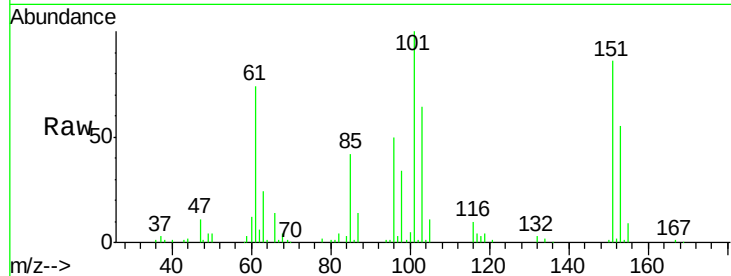
ClientSampleId :

VN0130WBSD01

Tgt Ion:	101	Resp:	139604
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.8	49.2
151	84.5	66.9	100.3

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#10

Methyl Iodide

Concen: 19.453 ug/l

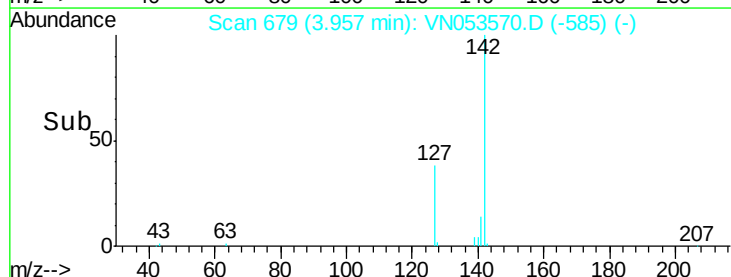
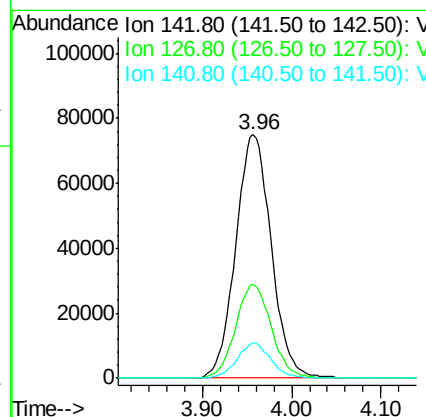
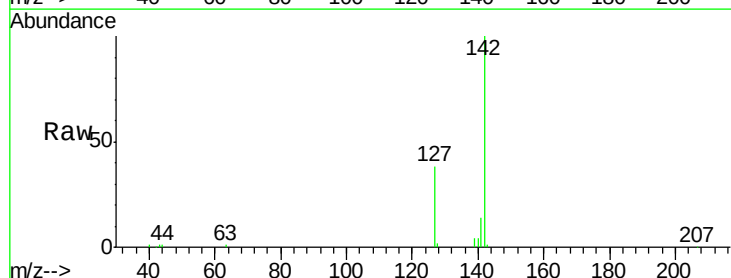
RT: 3.96 min Scan# 679

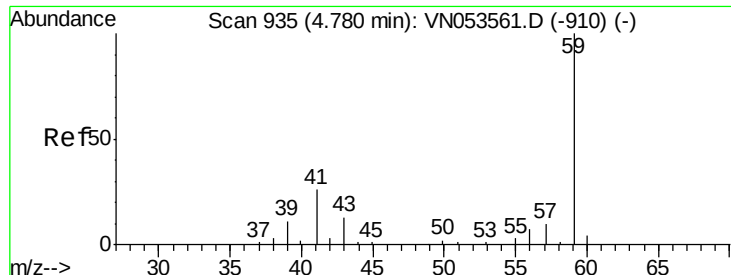
Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion:	142	Resp:	207665
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.0	46.4
141	13.5	11.1	16.7





#11

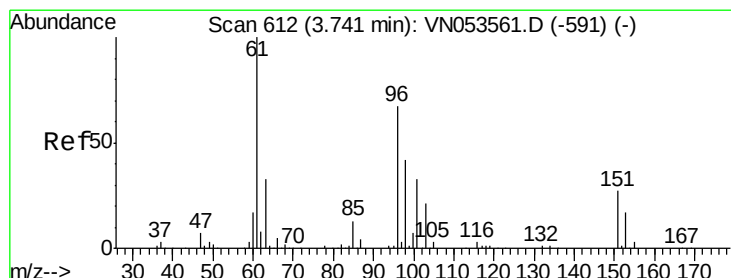
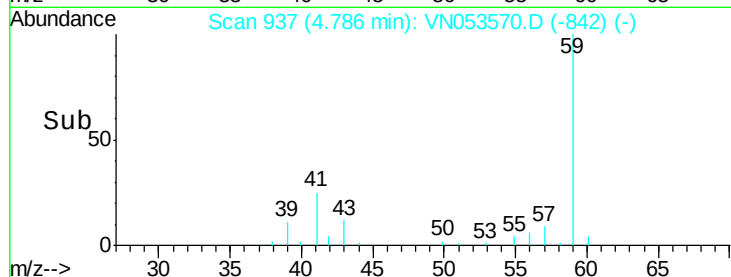
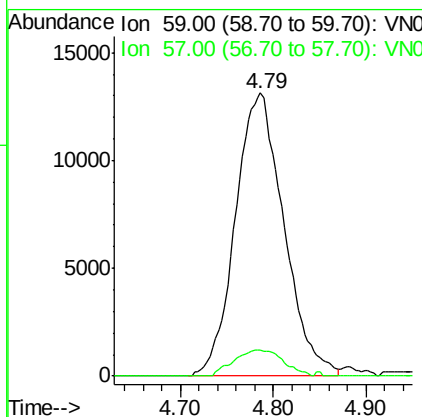
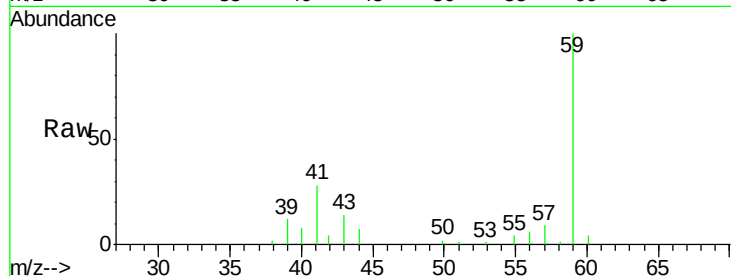
Tert butyl alcohol
Concen: 114.124 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampled :
VN0130WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	47680		
57	9.4		8.2	12.4

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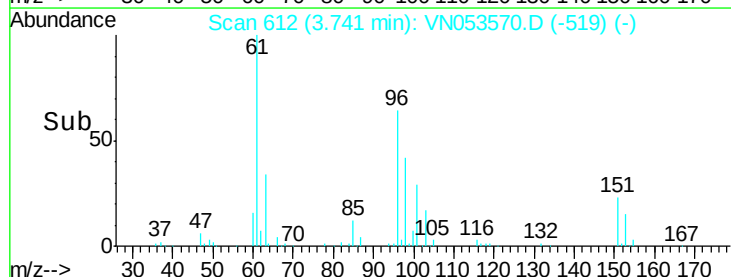
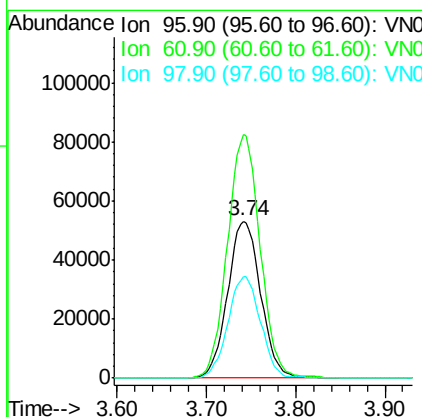
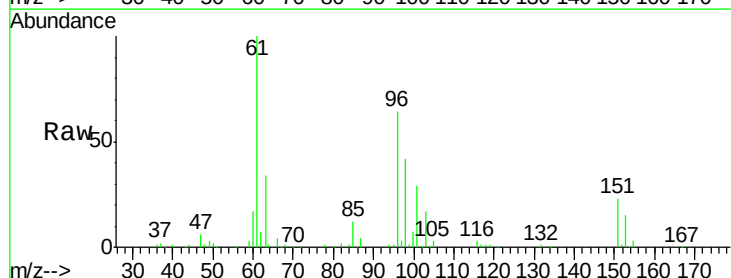
MMDadoda
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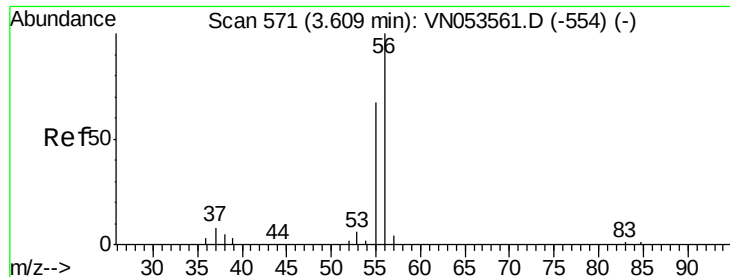


#12

1,1-Dichloroethene
Concen: 20.944 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	136479		
61	155.1		122.9	184.3
98	64.7		49.4	74.0





#13

Acrolein

Concen: 209.394 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 56 Resp: 33262

Ion Ratio Lower Upper

56 100

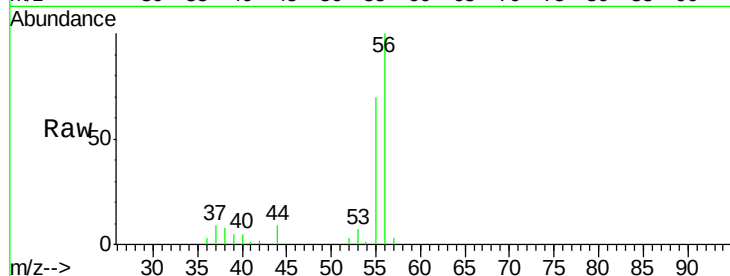
55 71.6 57.4 86.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

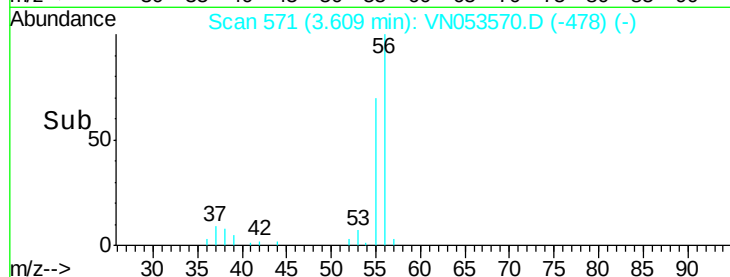
15000

10000

5000

0

Time-->



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

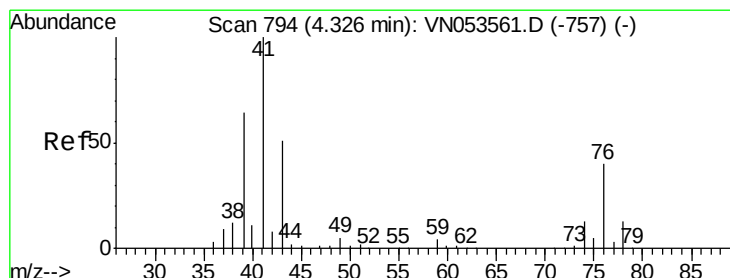
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 20.699 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

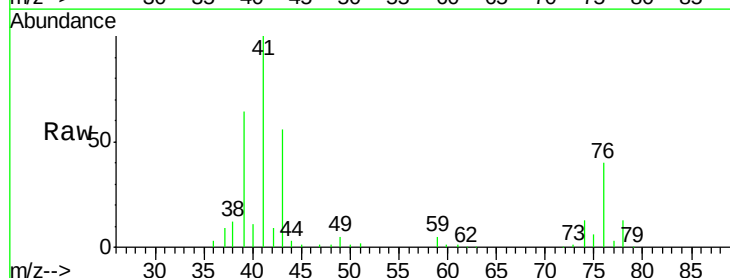
Tgt Ion: 41 Resp: 214761

Ion Ratio Lower Upper

41 100

39 61.6 48.9 73.3

76 37.9 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

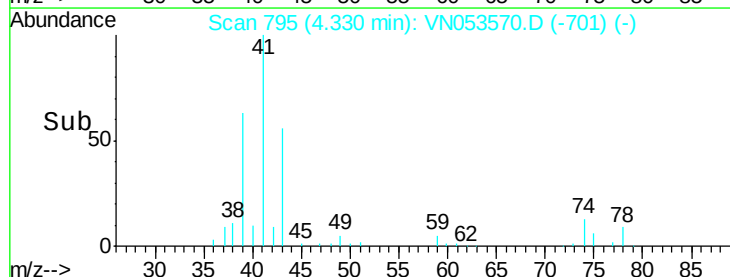
60000

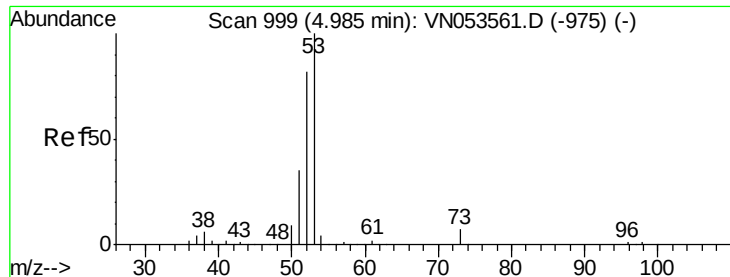
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 112.084 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

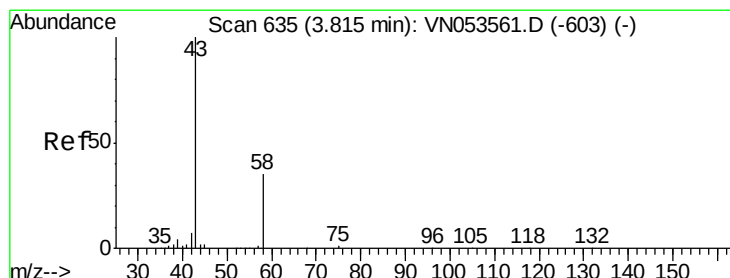
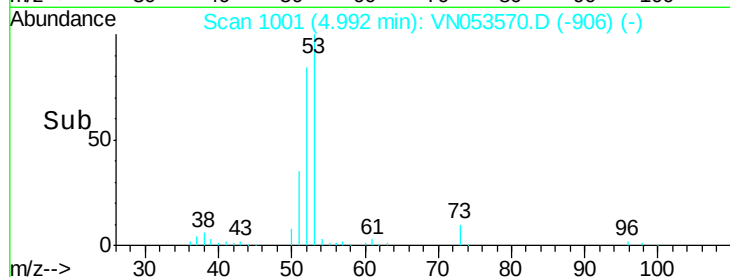
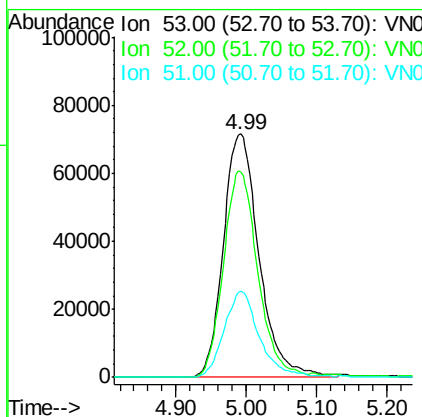
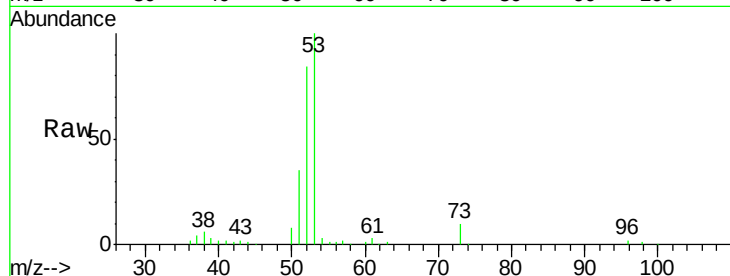
ClientSampleId :

VN0130WBSD01

Tgt Ion:	53	Resp:	252801
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.0	99.0
51	35.1	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 108.090 ug/l

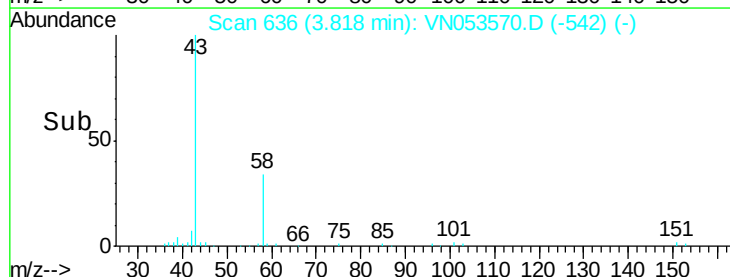
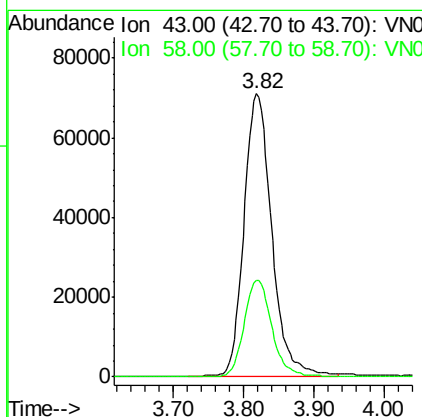
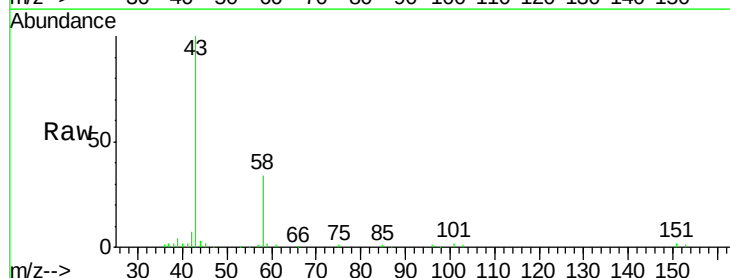
RT: 3.82 min Scan# 636

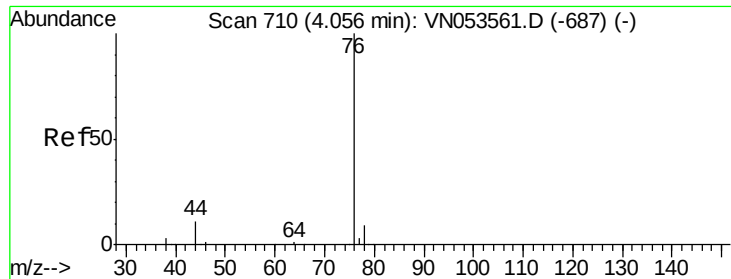
Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion:	43	Resp:	195725
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.1	40.7





#17

Carbon Disulfide

Concen: 20.006 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion: 76 Resp: 405924

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

Instrument :

MSVOA_N

ClientSampled :

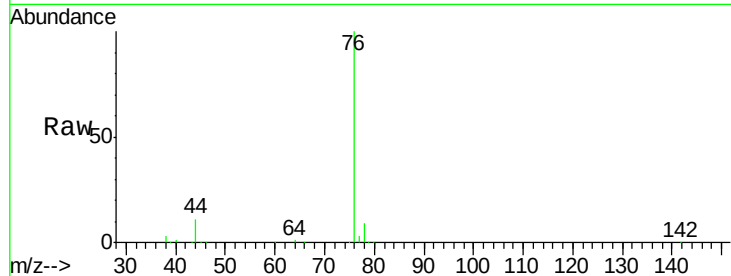
VN0130WBSD01

Manual Integrations

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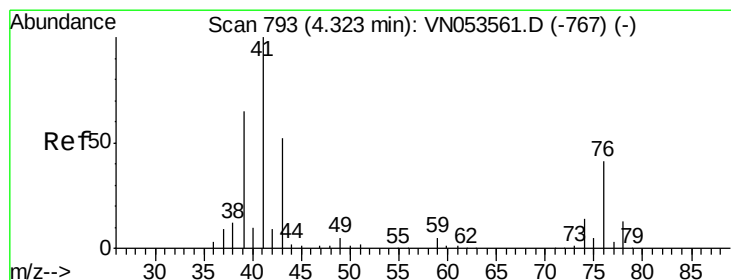
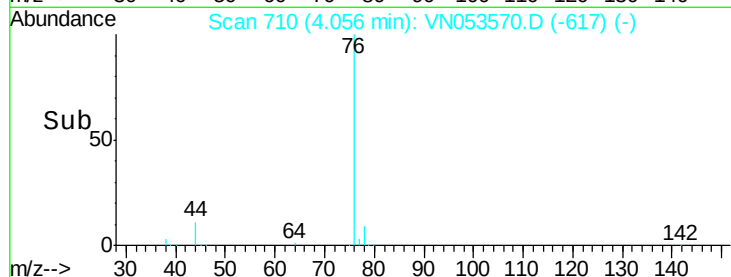
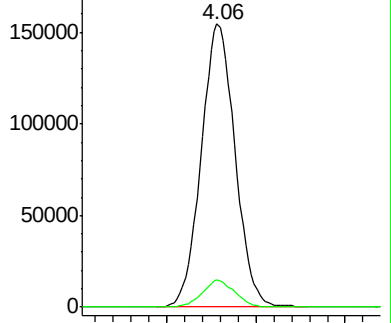
MMDadoda

2/1/2019 9:18:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.100 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053570.D

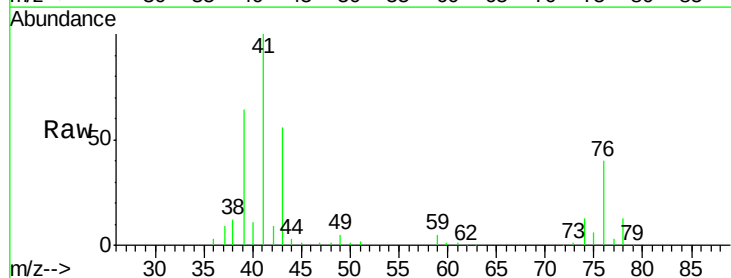
Acq: 30 Jan 2019 14:34

Tgt Ion: 43 Resp: 113150

Ion Ratio Lower Upper

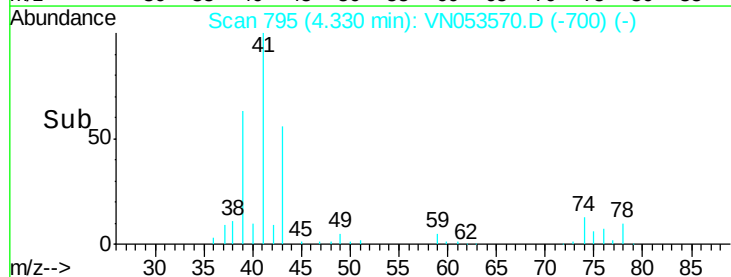
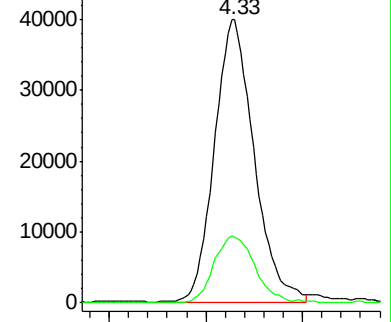
43 100

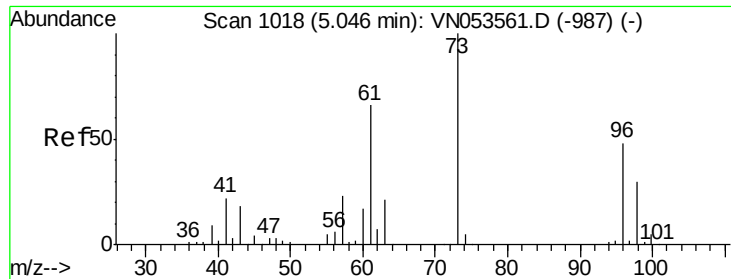
74 24.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





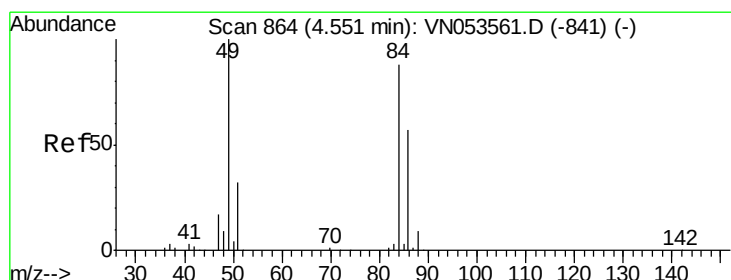
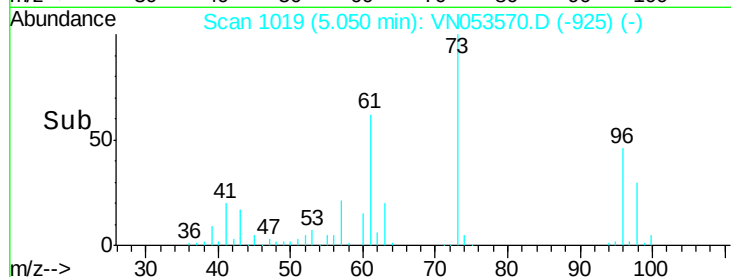
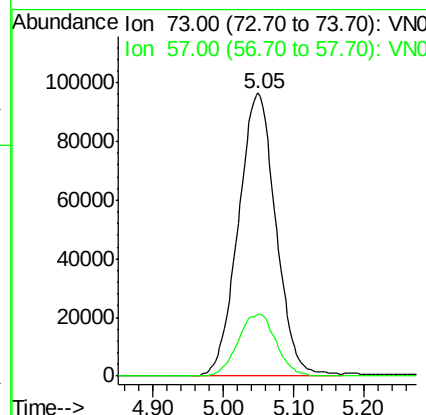
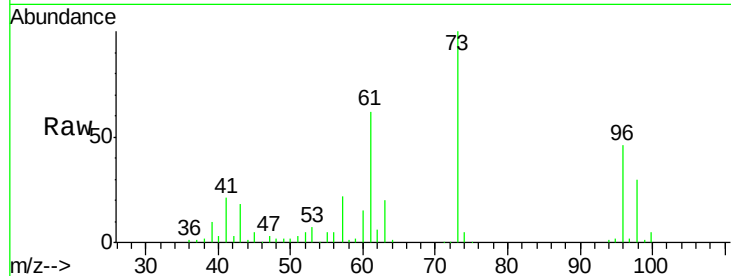
#19
Methyl tert-butyl Ether
Concen: 21.678 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion: 73 Resp: 358097
Ion Ratio Lower Upper
73 100
57 21.8 18.3 27.5

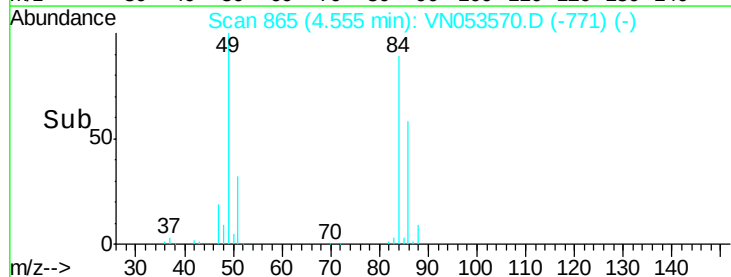
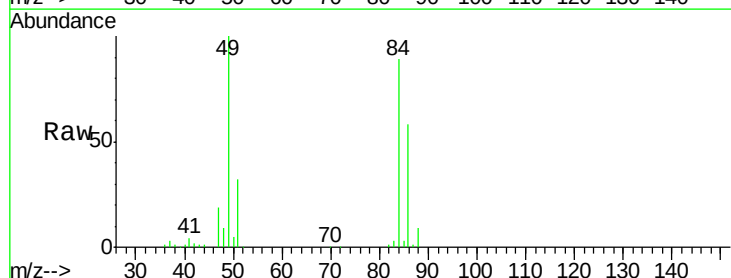
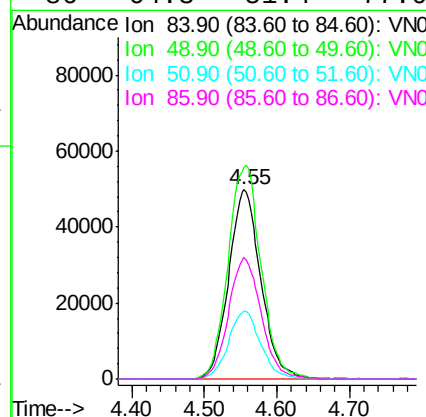
Manual Integrations
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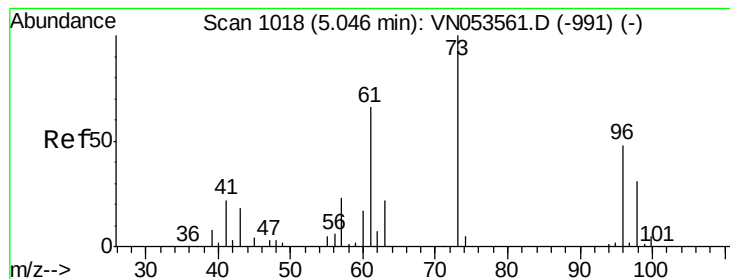
MMDadoda
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#20
Methylene Chloride
Concen: 20.277 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 84 Resp: 154043
Ion Ratio Lower Upper
84 100
49 111.9 94.3 141.5
51 35.7 29.4 44.2
86 64.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.413 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 96 Resp: 143510

Ion Ratio Lower Upper

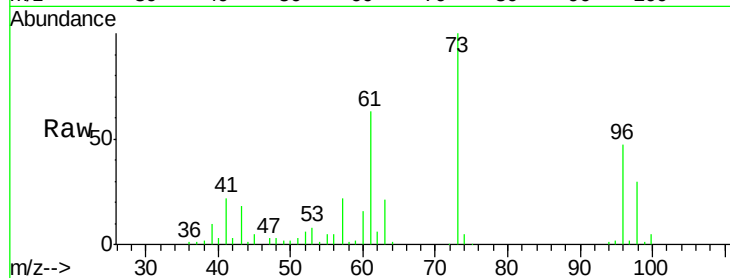
96 100

61 134.6 110.1 165.1

98 65.2 50.0 75.0

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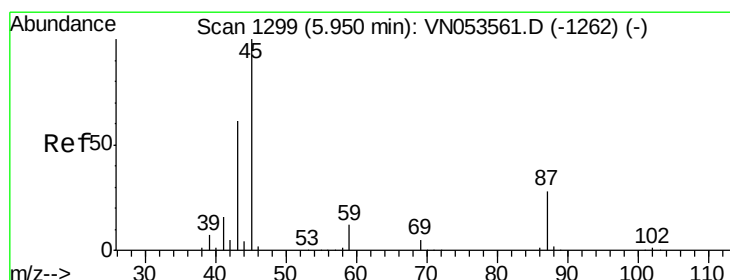
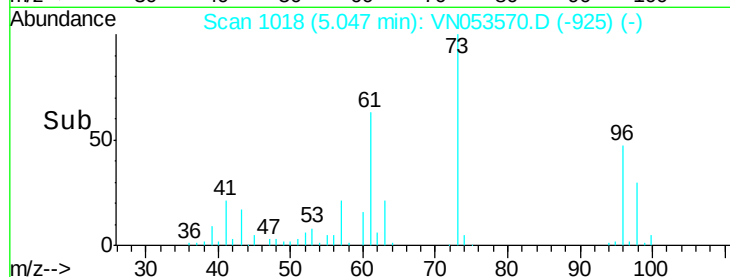
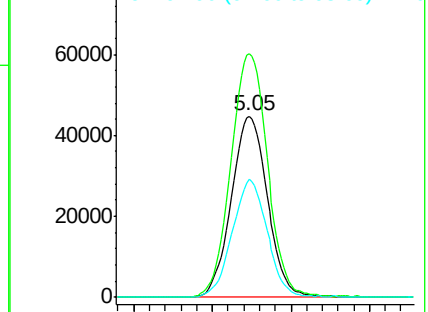


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.335 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion: 45 Resp: 410169

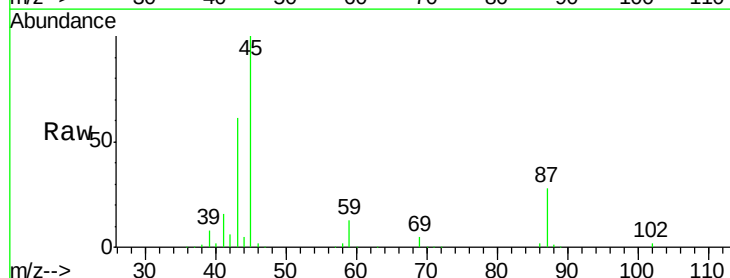
Ion Ratio Lower Upper

45 100

43 58.0 44.2 66.4

87 27.2 22.7 34.1

59 12.6 9.4 14.2



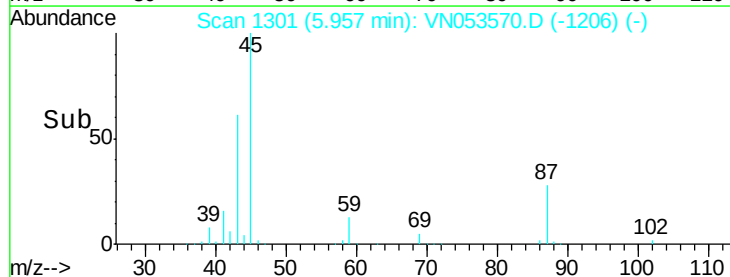
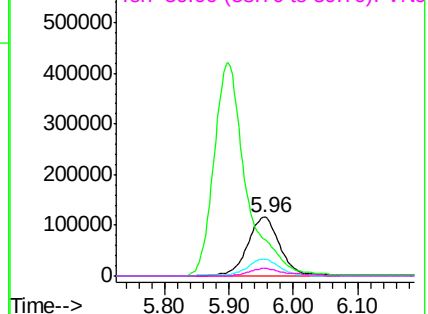
Abundance

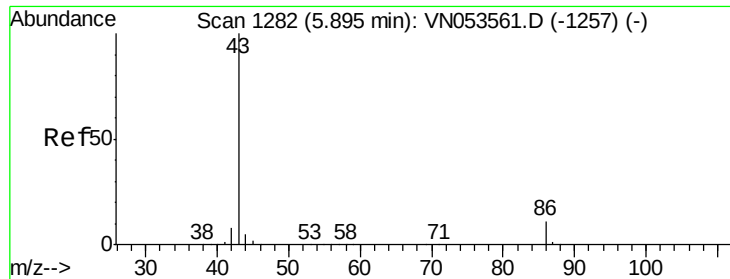
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





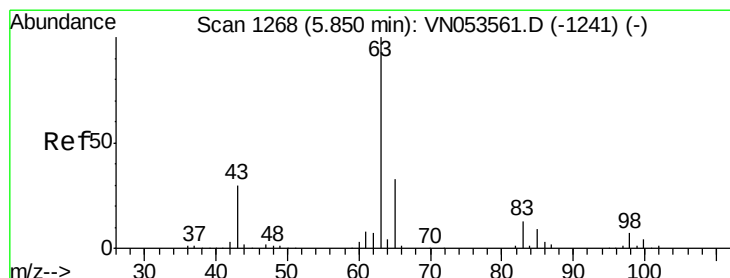
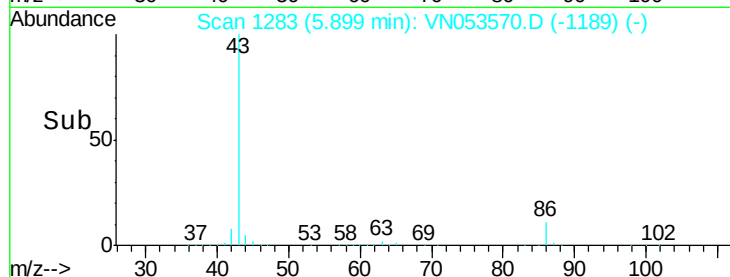
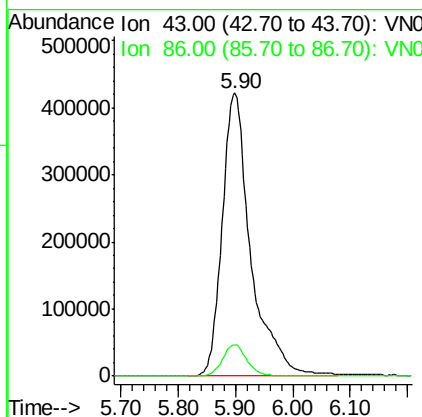
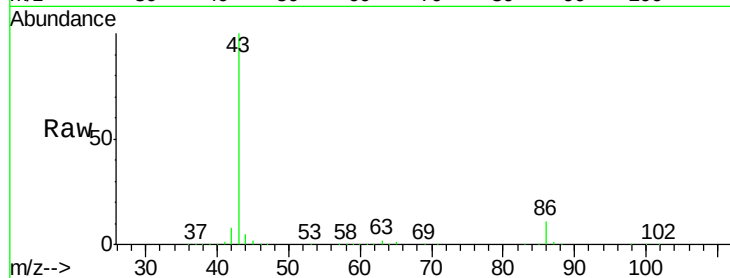
#23
 Vinyl Acetate
 Concen: 110.337 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Tgt Ion: 43 Resp: 1467416
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.4 12.6

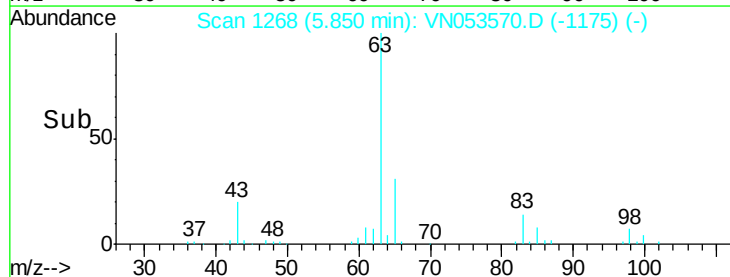
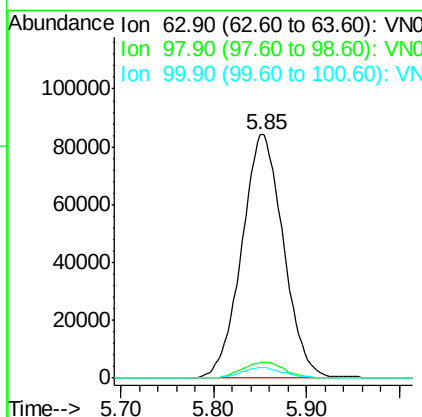
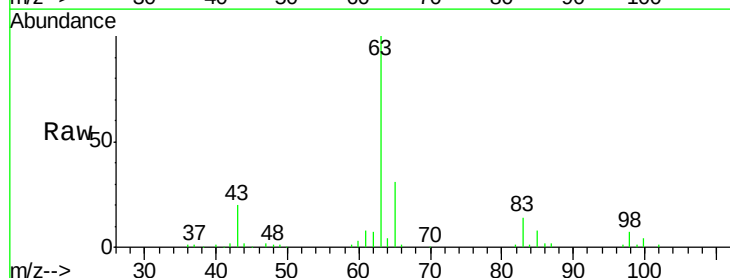
Manual Integrations
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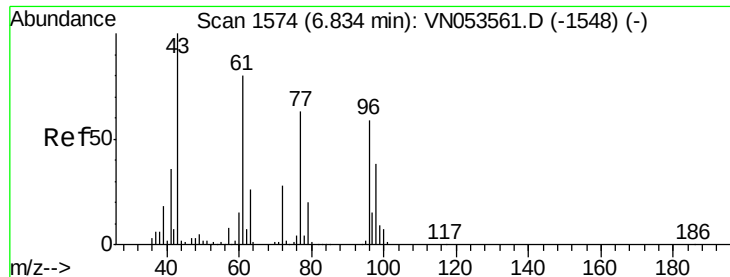
MMDadoda
 2/1/2019 9:18:54 AM



#24
 1,1-Dichloroethane
 Concen: 20.520 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion: 63 Resp: 263126
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 108.740 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 43 Resp: 280824

Ion Ratio Lower Upper

43 100

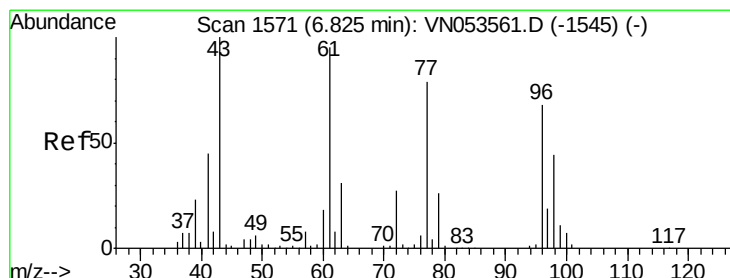
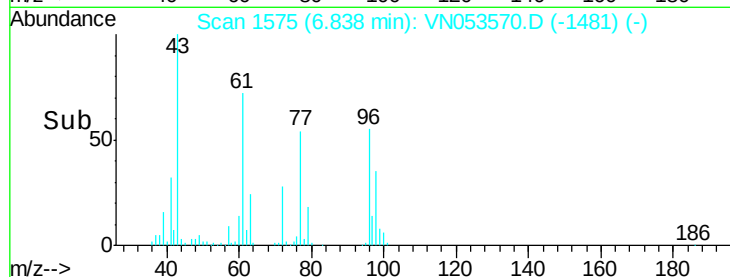
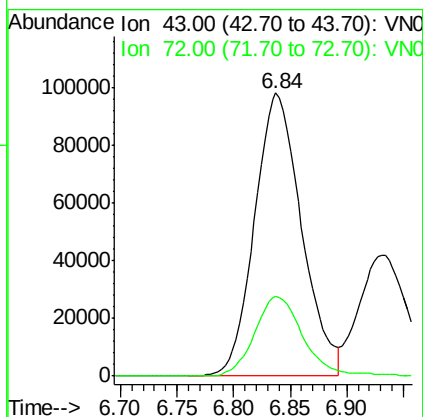
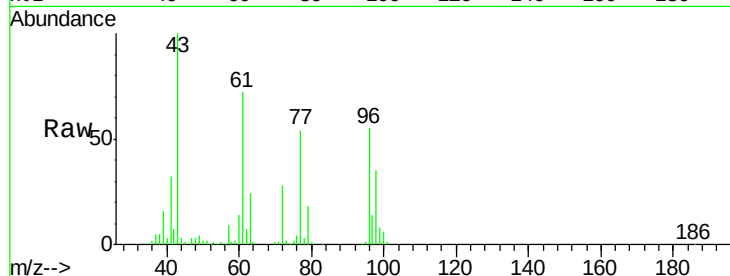
72 28.1 22.0 33.0

Manual Integrations

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2/1/2019 9:18:54 AM



#26

2,2-Dichloropropane

Concen: 19.738 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053570.D

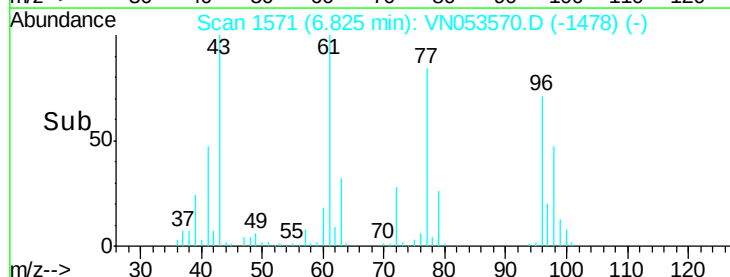
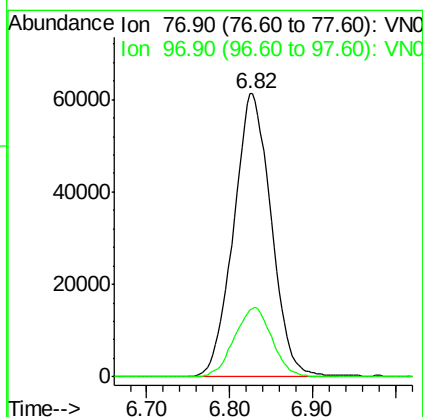
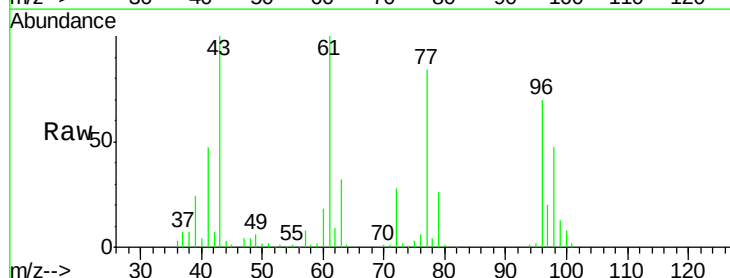
Acq: 30 Jan 2019 14:34

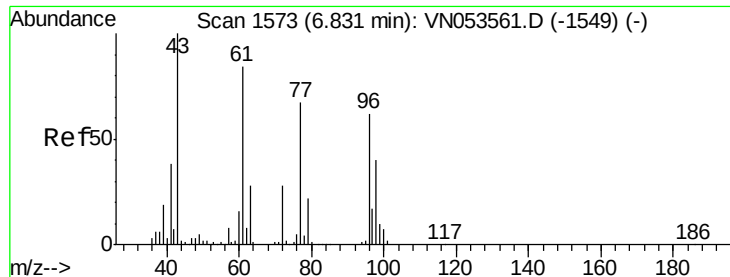
Tgt Ion: 77 Resp: 193202

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.887 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

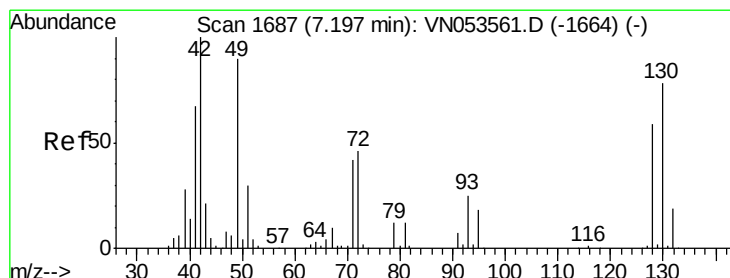
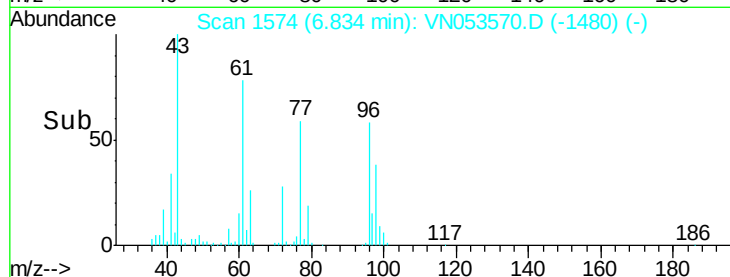
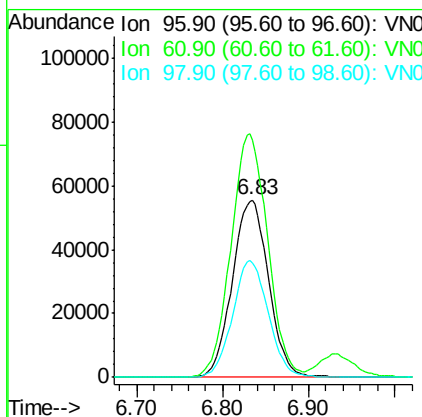
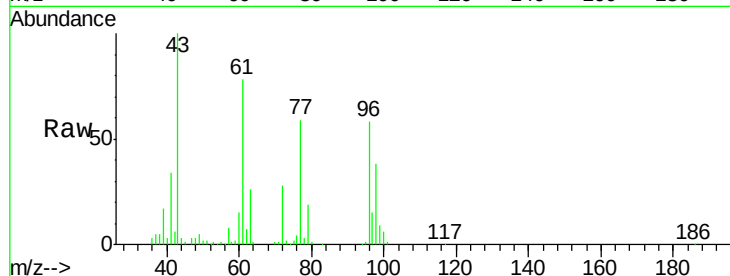
ClientSampleId :

VN0130WBSD01

Tgt Ion:	96	Resp:	163285
Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	283.8
98	64.6	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.553 ug/l

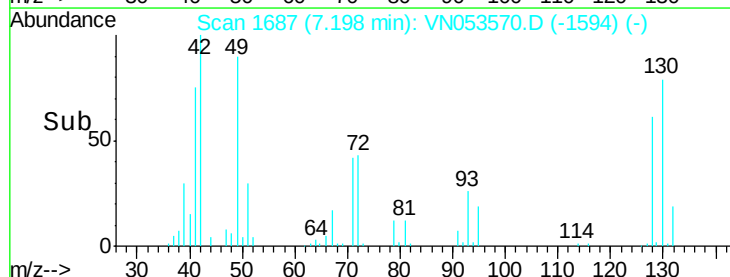
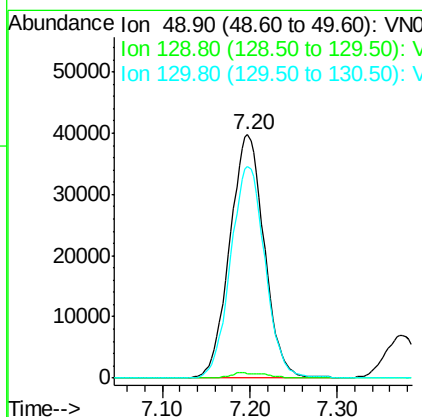
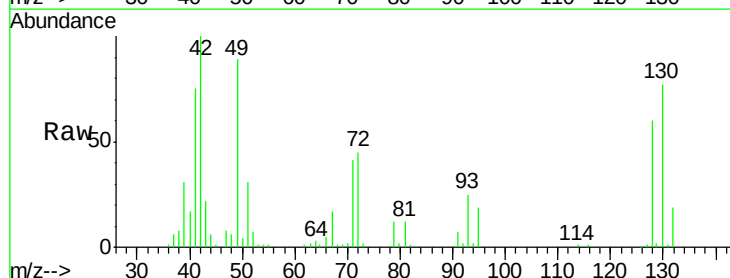
RT: 7.20 min Scan# 1687

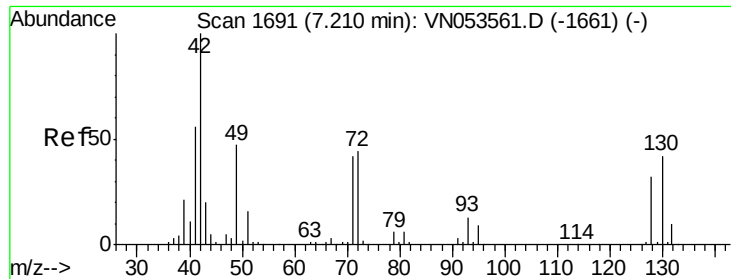
Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion:	49	Resp:	108806
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	86.8	66.3	99.5





#29

Tetrahydrofuran

Concen: 113.700 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 42 Resp: 188551
Ion Ratio Lower Upper

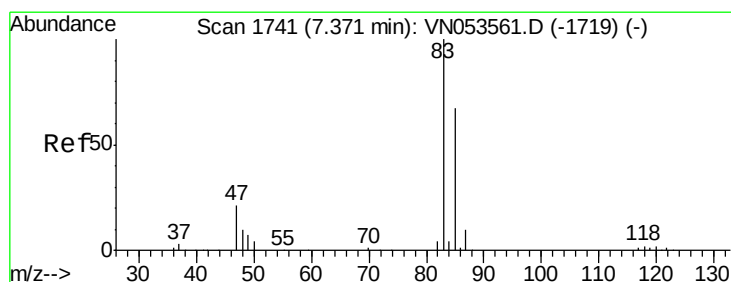
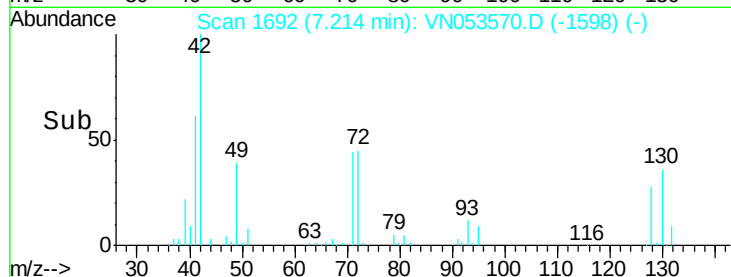
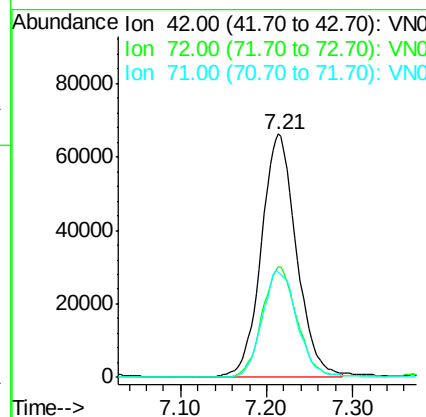
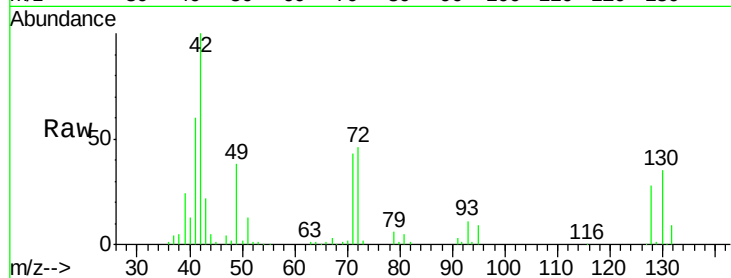
42 100

72 45.2 35.2 52.8

71 43.8 33.0 49.4

Manual Integrations
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2/1/2019 9:18:54 AM



#30

Chloroform

Concen: 20.432 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

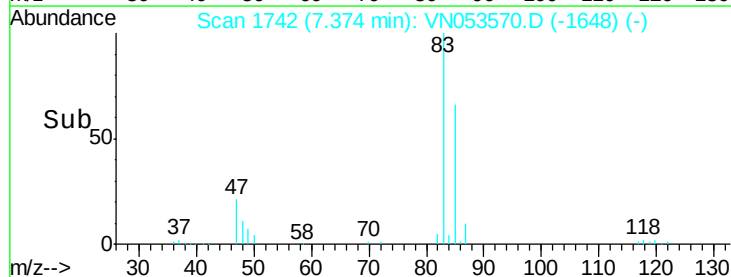
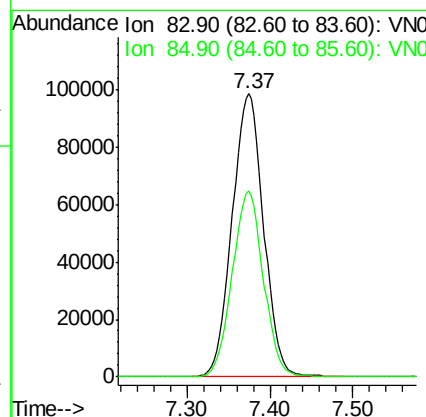
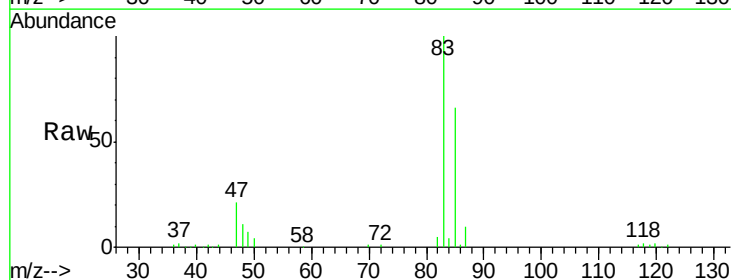
Lab File: VN053570.D

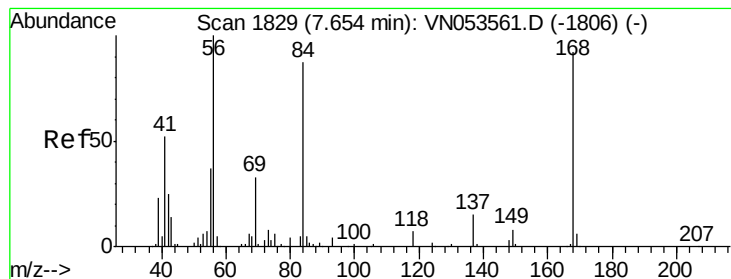
Acq: 30 Jan 2019 14:34

Tgt Ion: 83 Resp: 259709
Ion Ratio Lower Upper

83 100

85 65.9 52.2 78.2





#31

Cyclohexane

Concen: 20.225 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

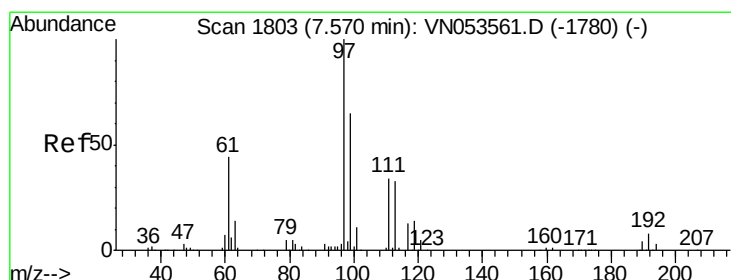
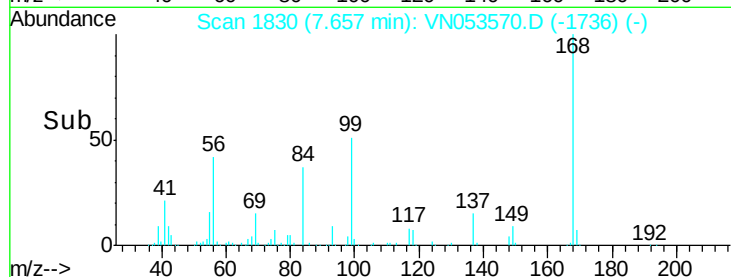
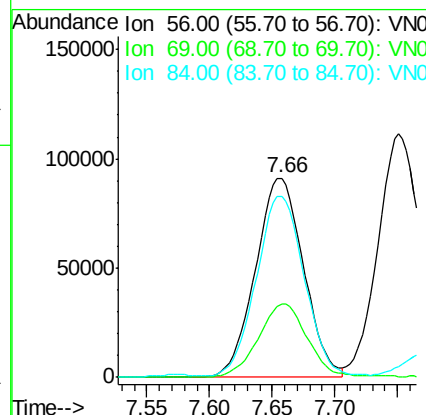
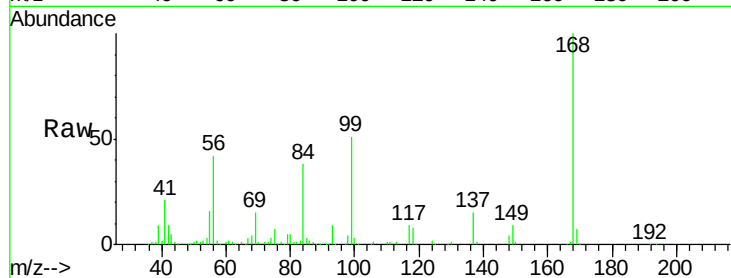
ClientSampleId :

VN0130WBSD01

Tgt Ion:	56	Resp:	242666
Ion Ratio	Lower	Upper	
56	100		
69	36.6	26.4	39.6
84	89.8	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.501 ug/l

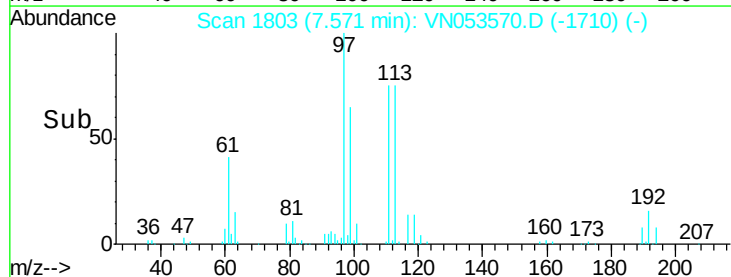
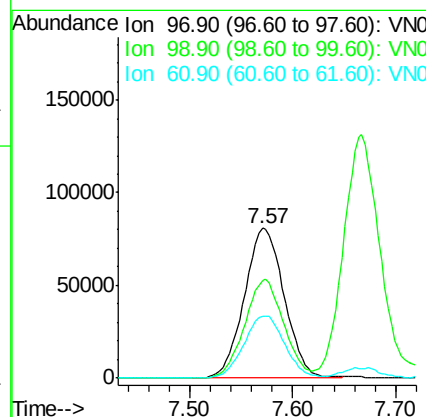
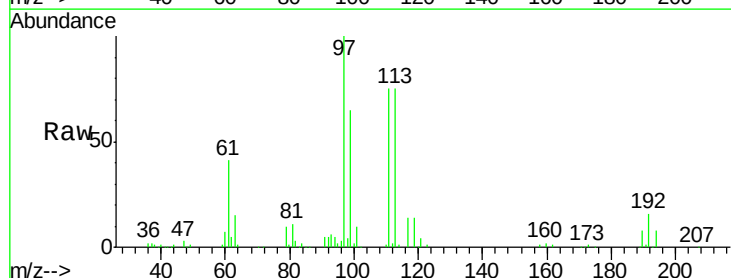
RT: 7.57 min Scan# 1803

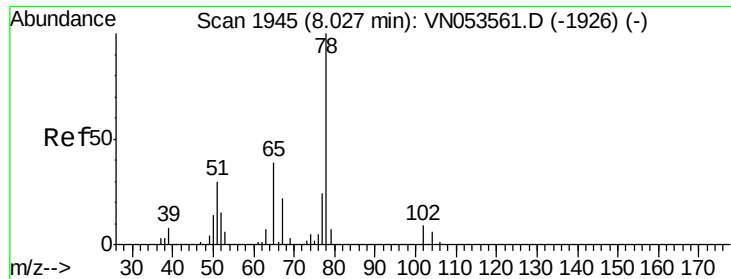
Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion:	97	Resp:	216868
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.0	78.0
61	42.3	34.4	51.6





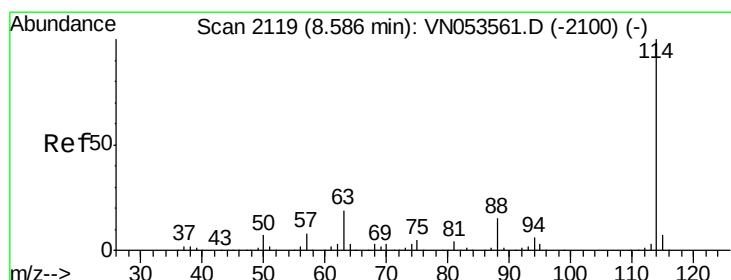
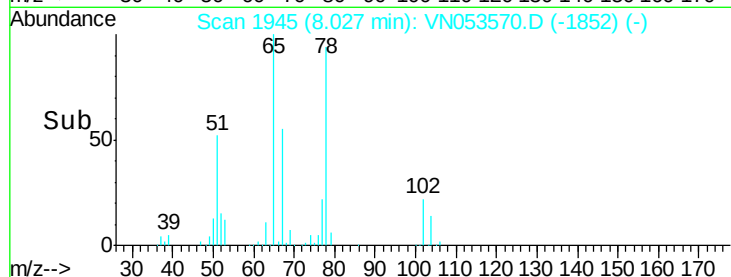
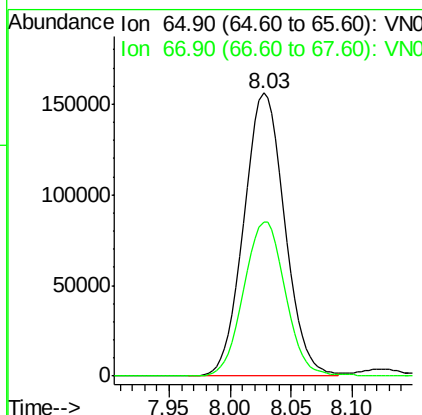
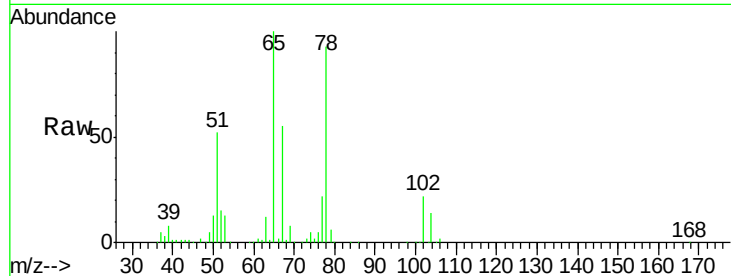
#33
 1,2-Dichloroethane-d4
 Concen: 51.360 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0130WBSD01

Tgt Ion: 65 Resp: 362572
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.2

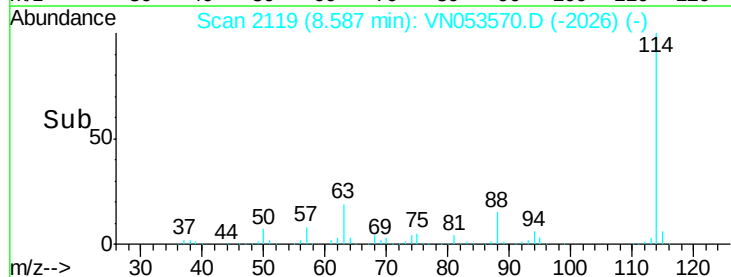
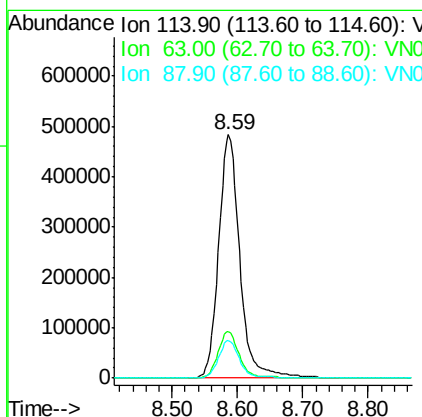
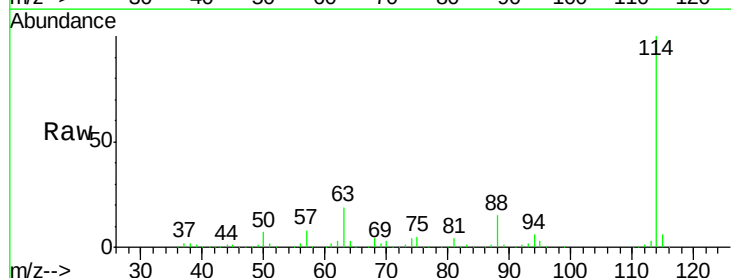
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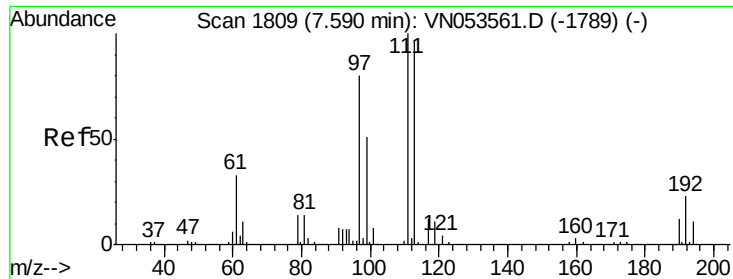
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 2/1/2019 9:18:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion: 114 Resp: 1093408
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.3 0.0 30.4





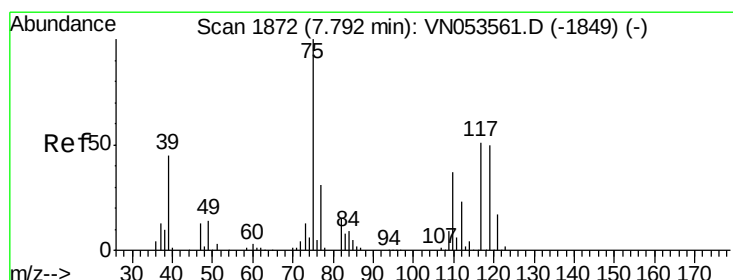
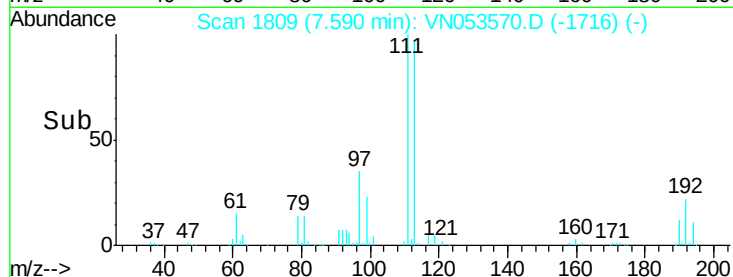
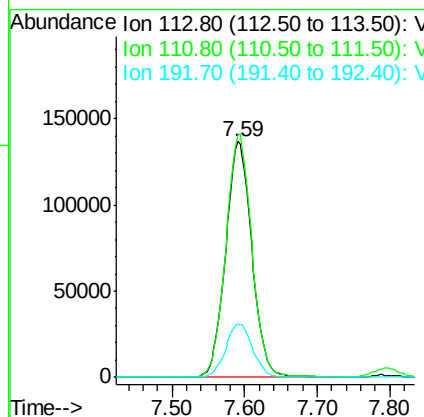
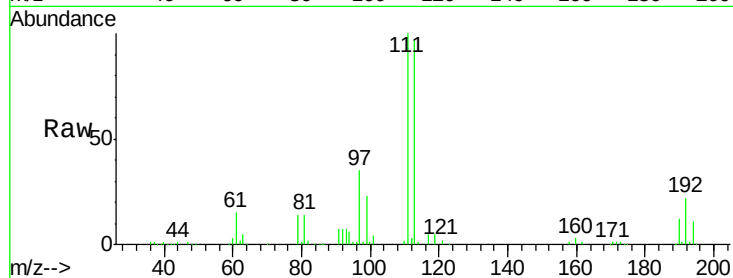
#35
Dibromofluoromethane
Concen: 49.769 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampled :
VN0130WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	343850		
111	102.4	81.1	121.7	
192	23.0	18.2	27.2	

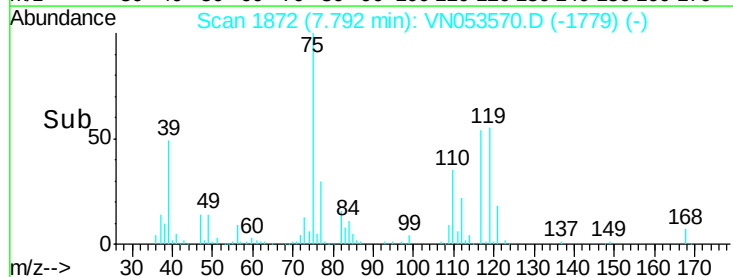
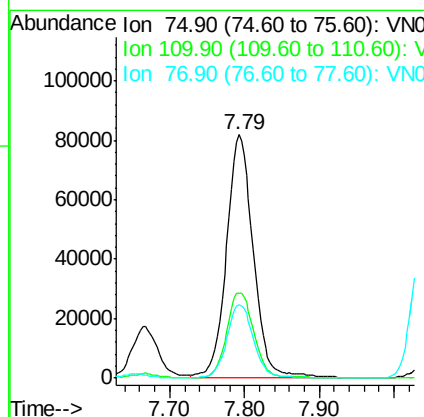
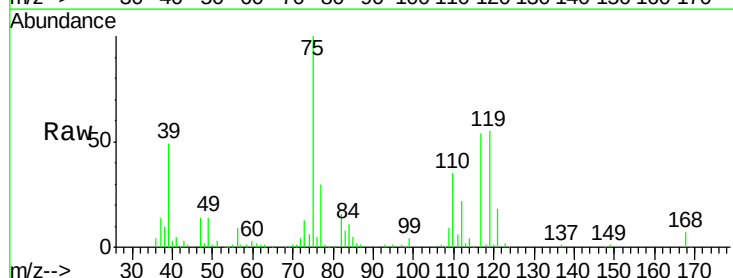
Manual Integrations
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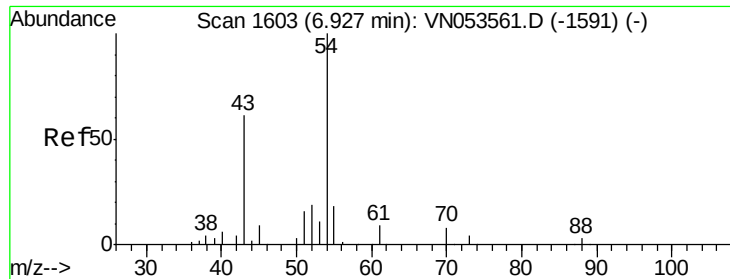
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#36
1,1-Dichloropropene
Concen: 20.486 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	201922		
110	36.1	18.1	54.3	
77	30.3	25.1	37.7	





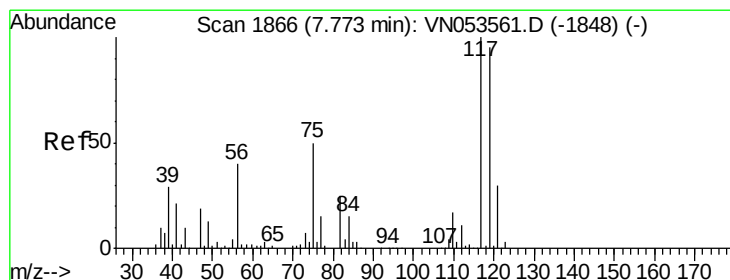
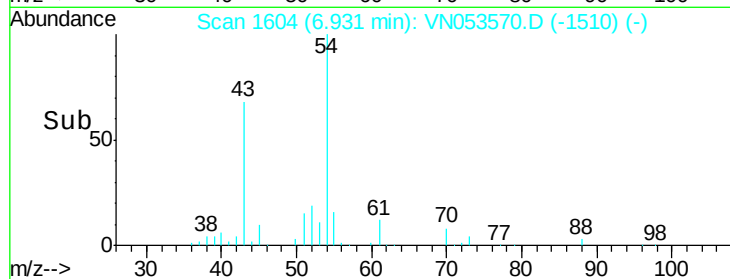
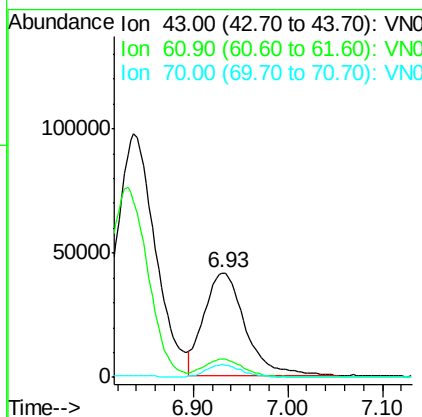
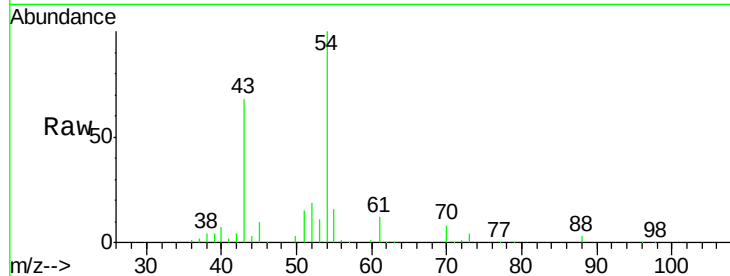
#37
Ethyl Acetate
 Concen: 22.888 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0130WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.8	17.6
70	11.0	8.6	12.8

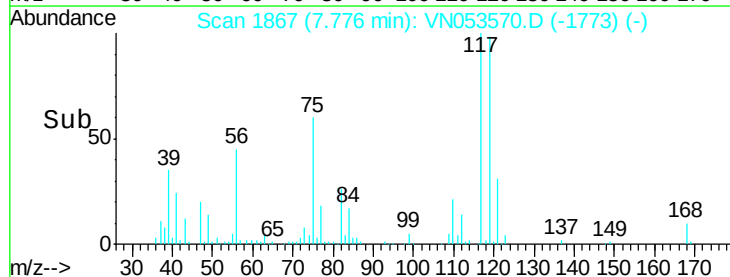
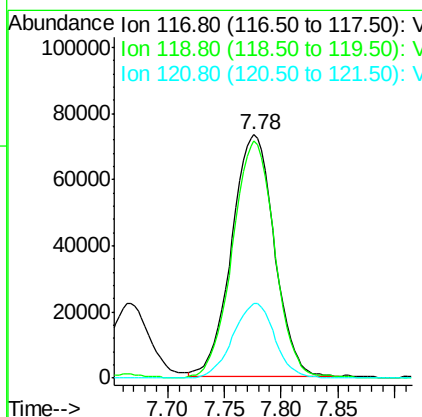
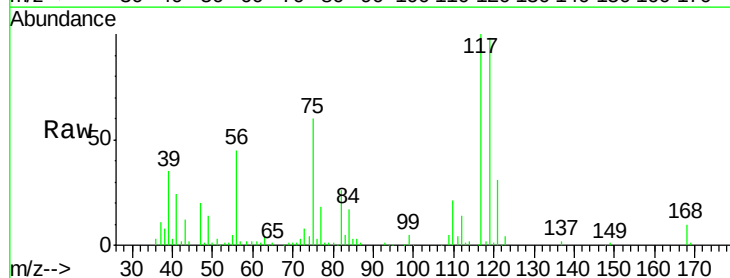
Manual Integrations
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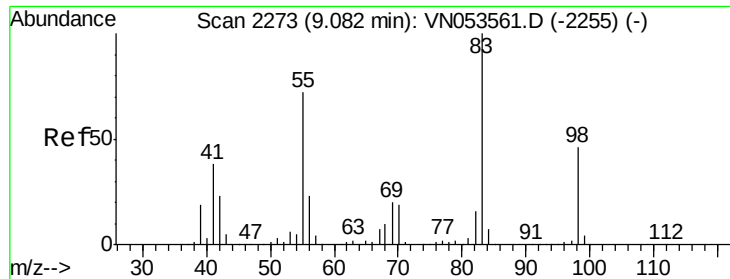
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 2/1/2019 9:18:54 AM



#38
Carbon Tetrachloride
 Concen: 19.341 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.2	115.8
121	31.1	24.6	37.0





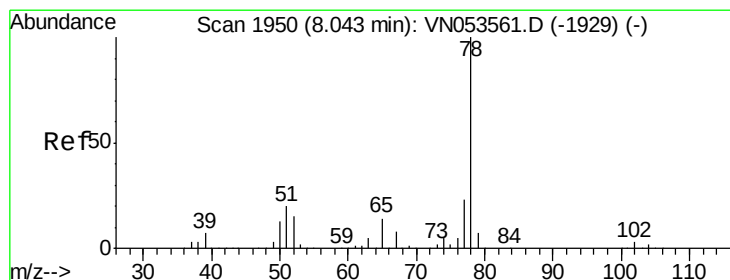
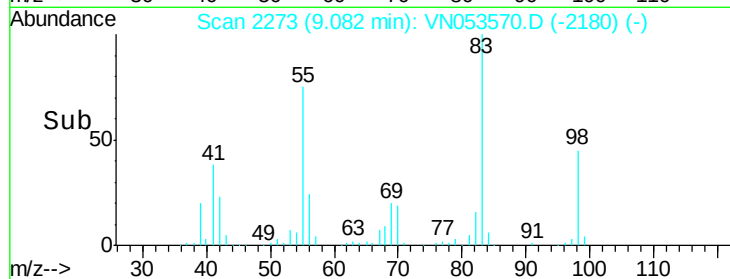
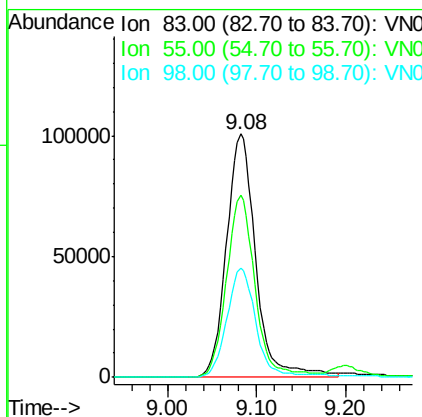
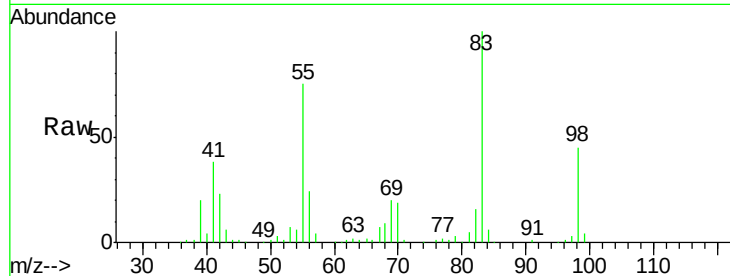
#39
Methylcyclohexane
Concen: 19.662 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	229924		
55	74.9	60.1	90.1	
98	45.1	36.6	55.0	

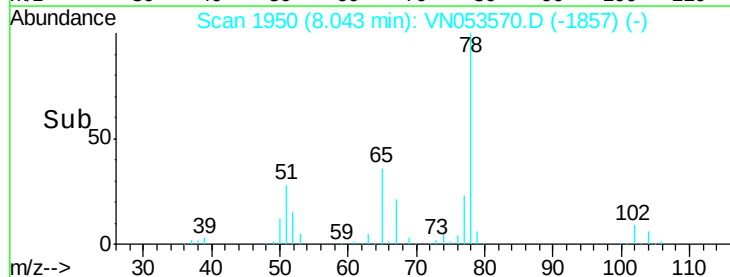
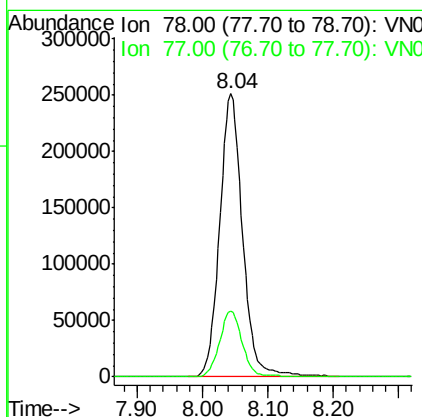
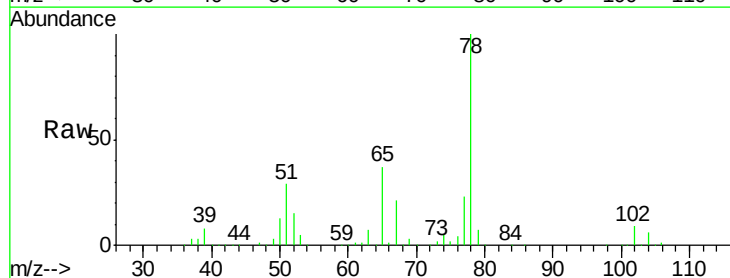
Manual Integrations
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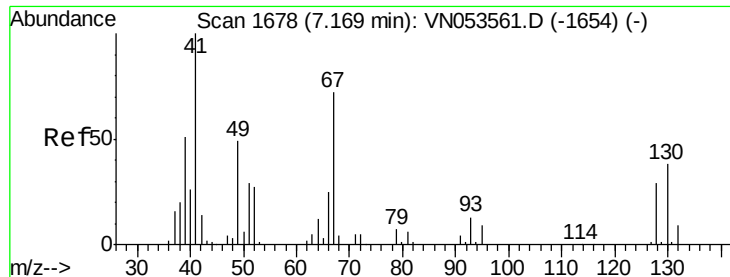
MMDadoda
2/1/2019 9:18:54 AM



#40
Benzene
Concen: 20.145 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	612301		
77	23.2	18.8	28.2	





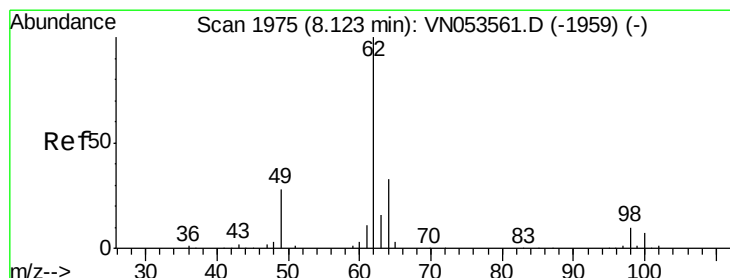
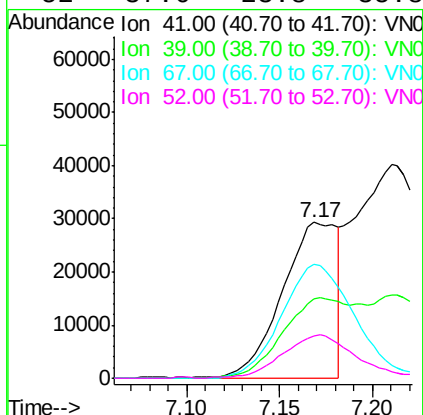
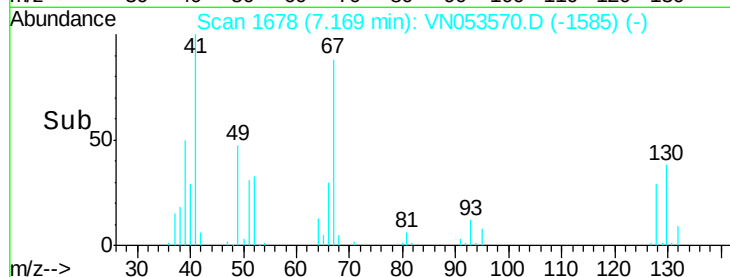
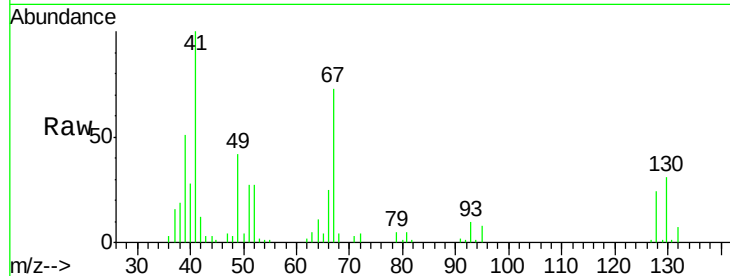
#41
Methacrylonitrile
Concen: 19.650 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.6	46.8	70.2
67	97.7	63.0	94.6#
52	37.6	23.8	35.8#

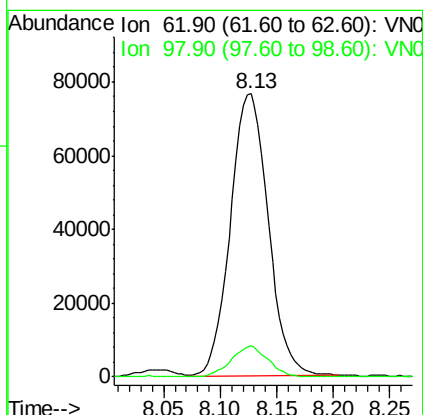
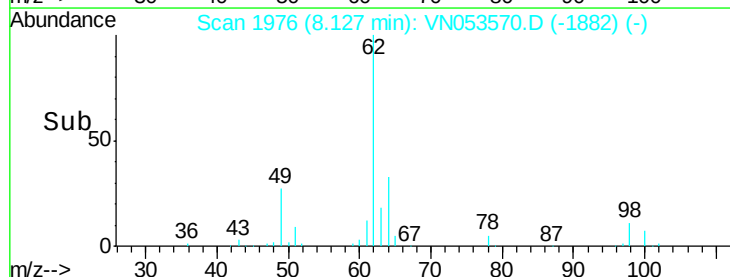
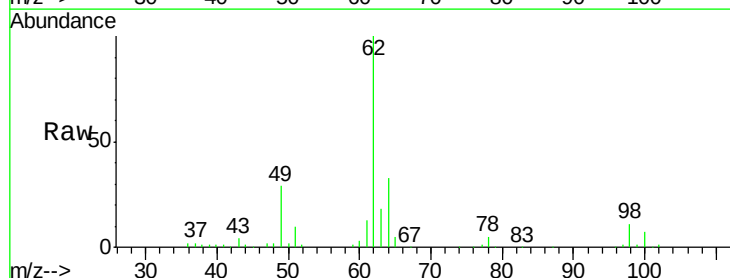
Manual Integrations
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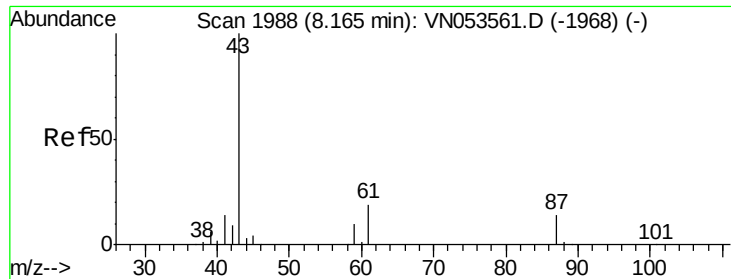
MMDadoda
2/1/2019 9:18:54 AM



#42
1,2-Dichloroethane
Concen: 19.731 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.027 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

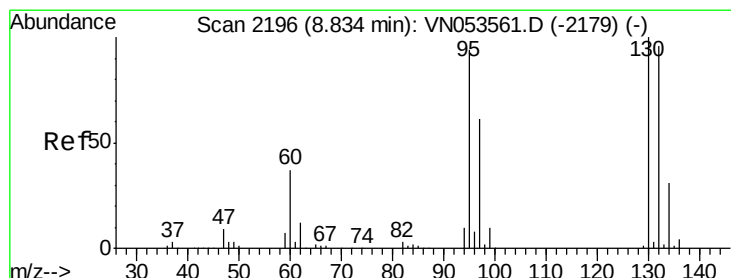
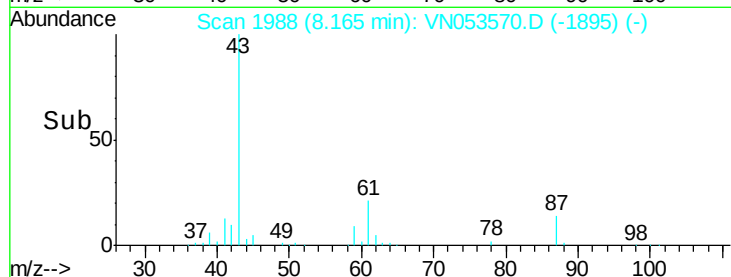
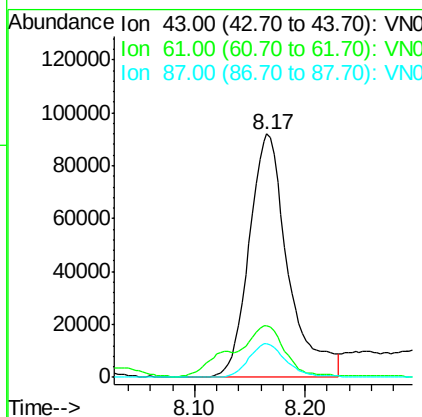
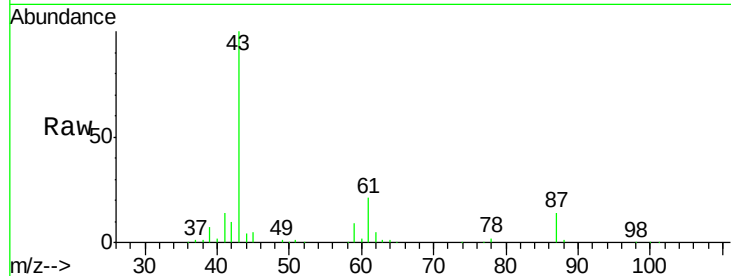
ClientSampleId :

VN0130WBSD01

Tgt Ion:	43	Resp:	223534
Ion Ratio	Lower	Upper	
43	100		
61	19.2	23.9	35.9#
87	13.3	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.863 ug/l

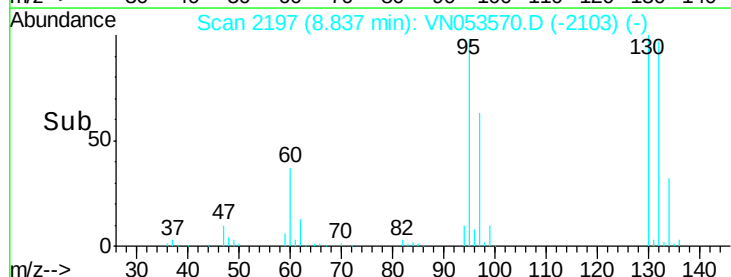
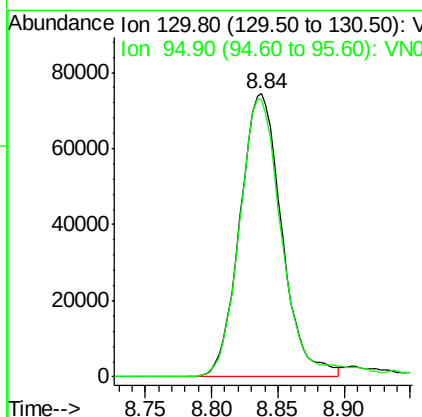
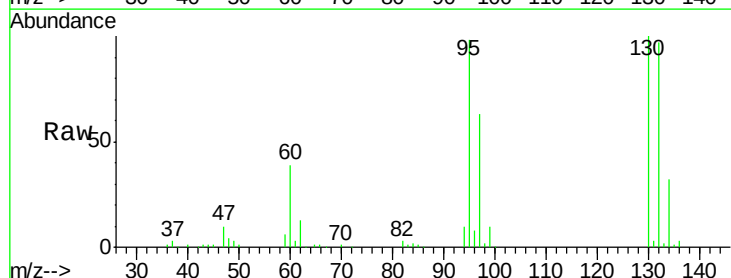
RT: 8.84 min Scan# 2197

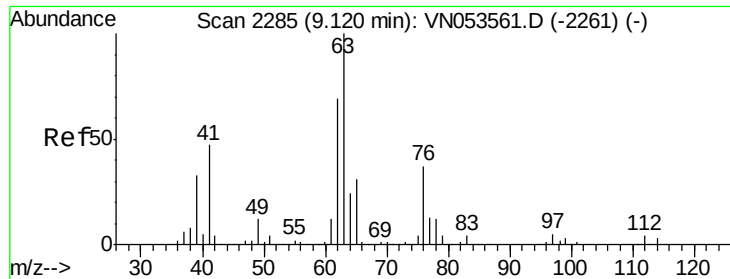
Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion:	130	Resp:	163225
Ion Ratio	Lower	Upper	
130	100		
95	98.0	0.0	191.4





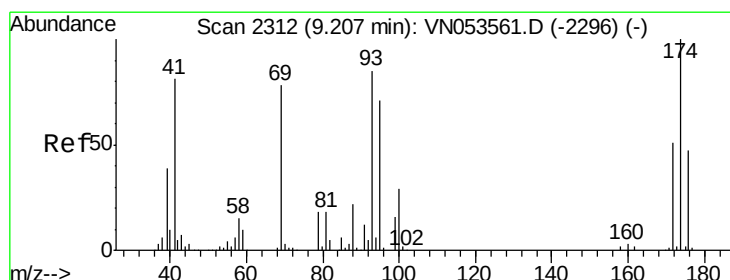
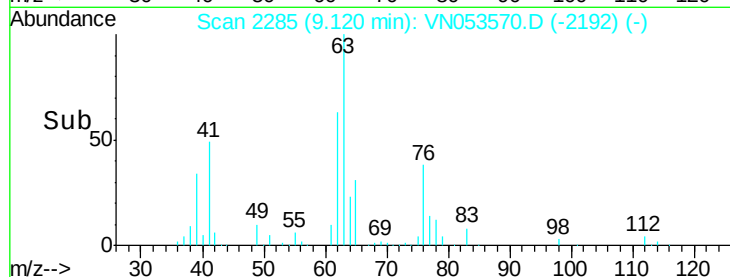
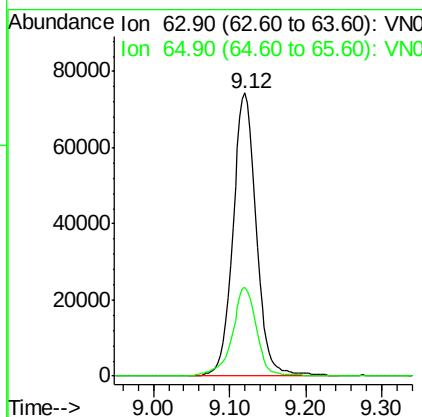
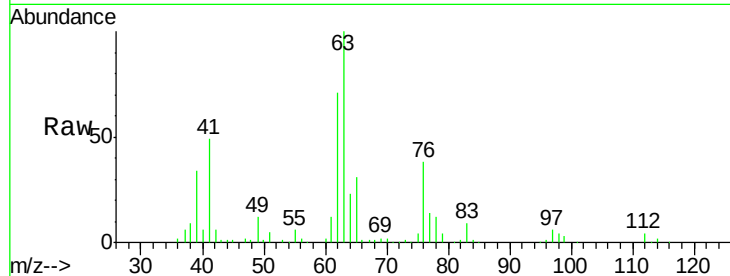
#45
 1,2-Dichloropropane
 Concen: 20.407 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Tgt Ion: 63 Resp: 158650
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4

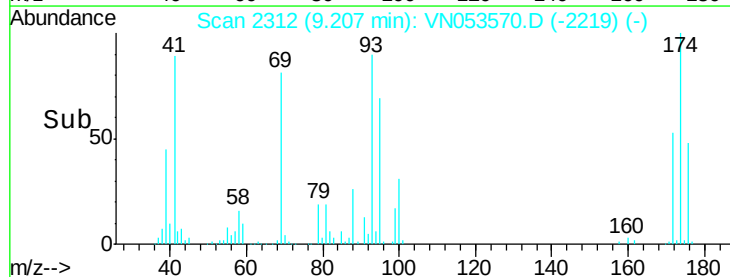
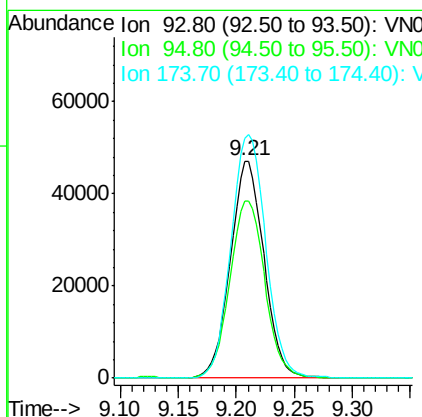
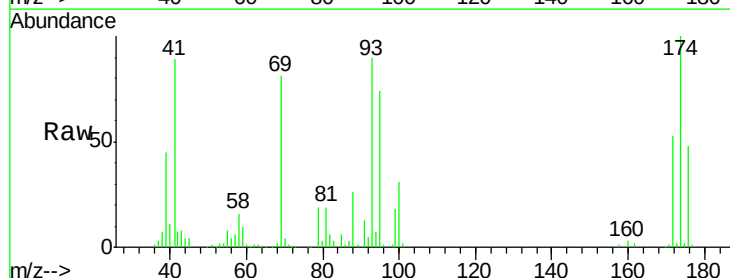
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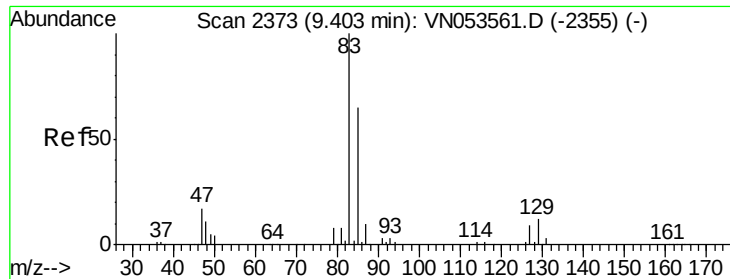
MMDadoda
 2/1/2019 9:18:54 AM



#46
 Dibromomethane
 Concen: 20.224 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion: 93 Resp: 94779
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.3 100.9
 174 116.1 91.0 136.4





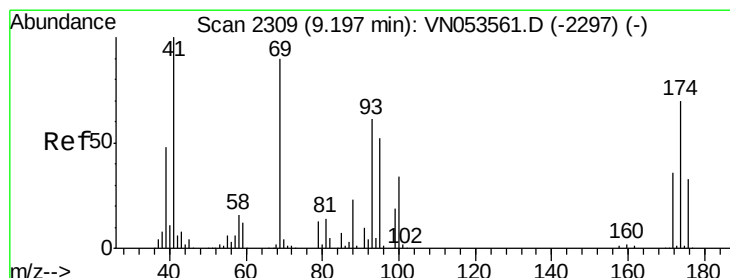
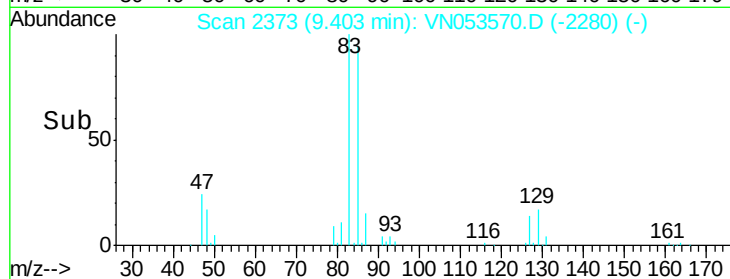
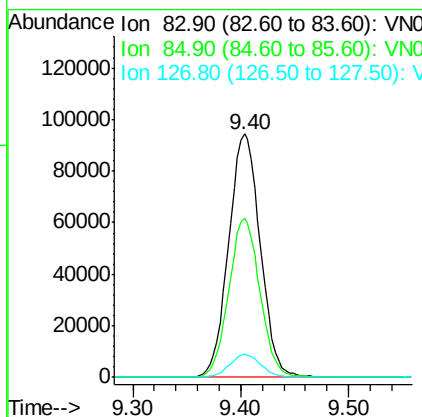
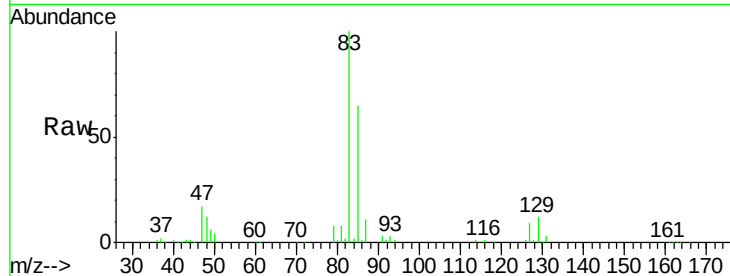
#47
Bromodichloromethane
Concen: 19.773 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.6
127	9.4	7.0	10.6

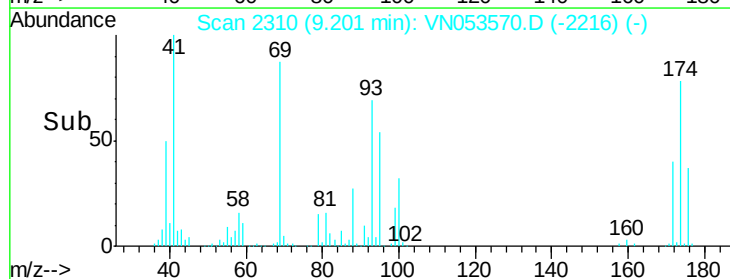
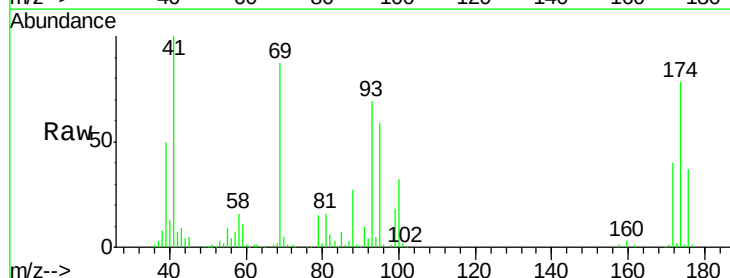
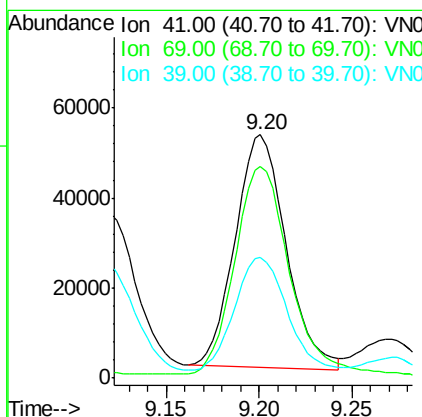
Manual Integrations
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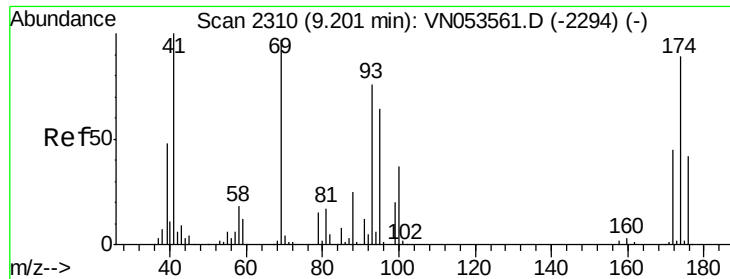
MMDadoda
2/1/2019 9:18:54 AM



#48
Methyl methacrylate
Concen: 19.441 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	101.2	73.8	110.6
39	56.2	40.0	60.0





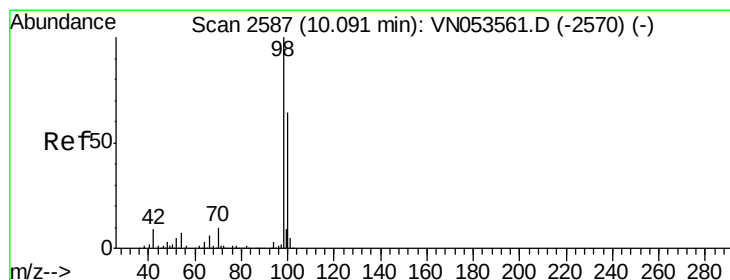
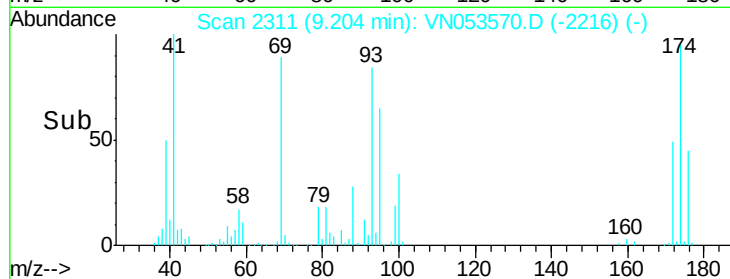
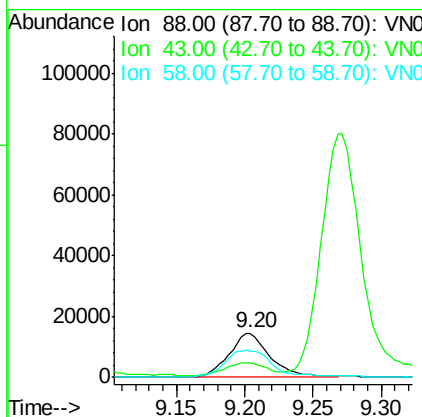
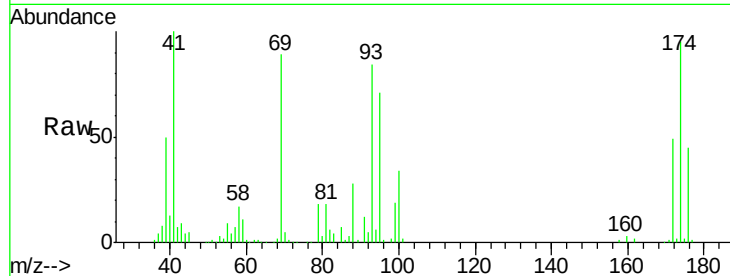
#49
1,4-Dioxane
Concen: 435.487 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.7	27.8	41.6
58	71.4	56.5	84.7

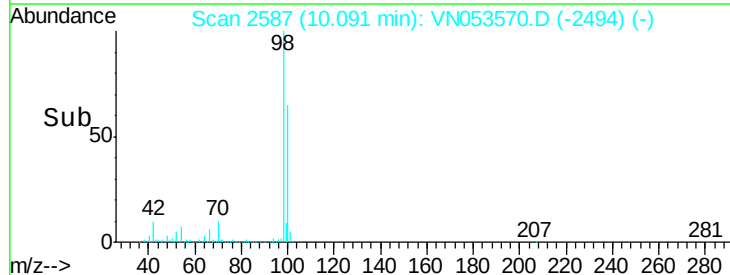
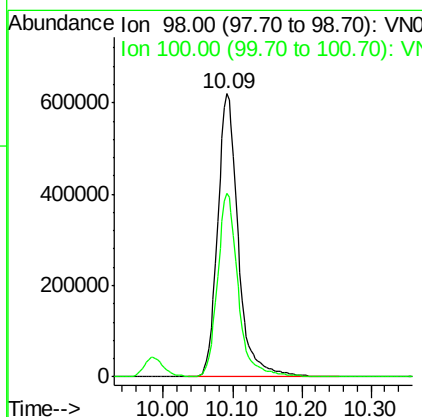
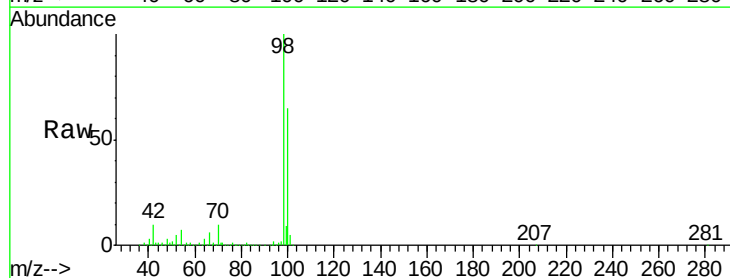
Manual Integrations
APPROVED

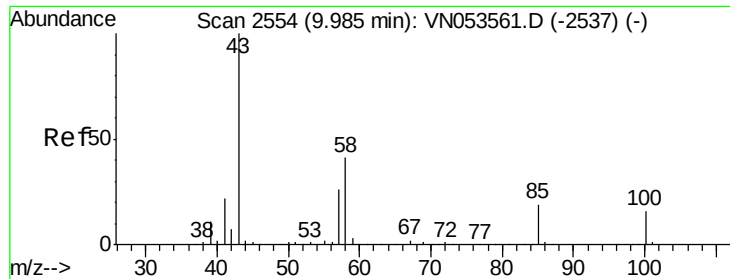
MMDadoda
2/1/2019 9:18:54 AM



#50
Toluene-d8
Concen: 49.300 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 112.488 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 43 Resp: 587647

Ion Ratio Lower Upper

43 100

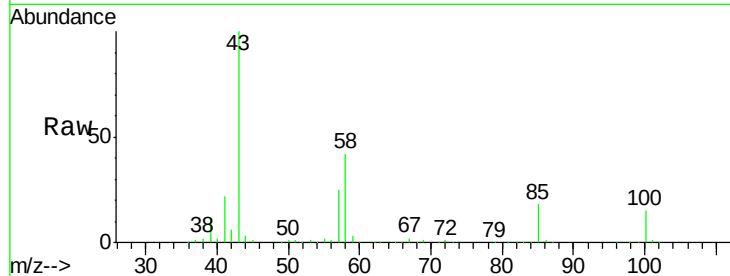
58 40.1 32.8 49.2

Manual Integrations

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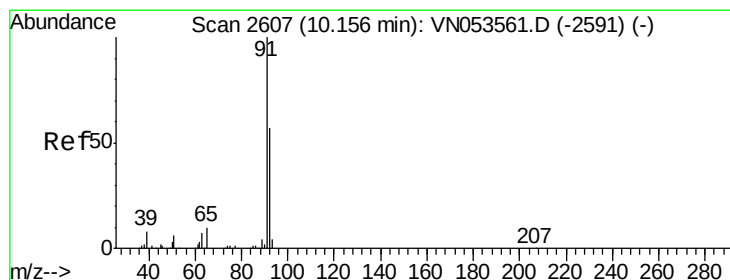
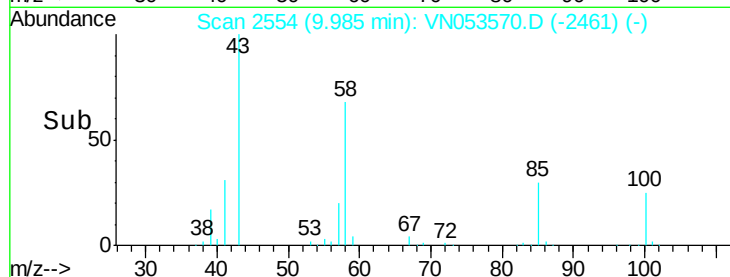
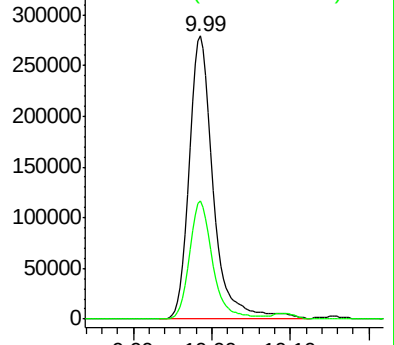
MMDadoda

2/1/2019 9:18:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.341 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053570.D

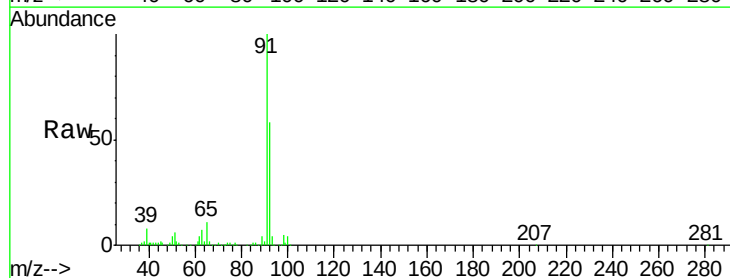
Acq: 30 Jan 2019 14:34

Tgt Ion: 92 Resp: 366924

Ion Ratio Lower Upper

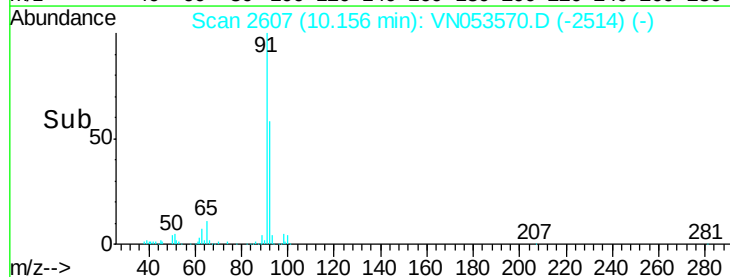
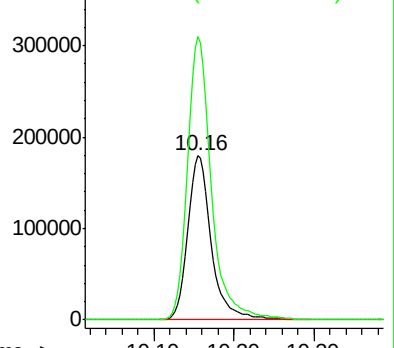
92 100

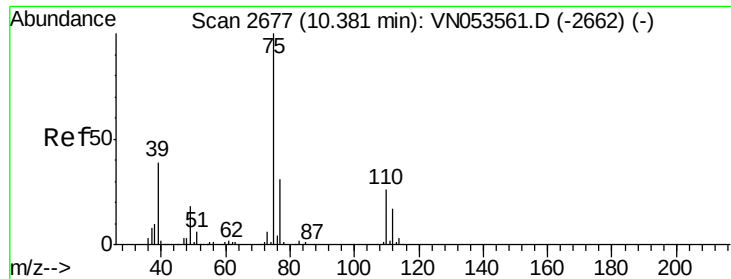
91 175.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





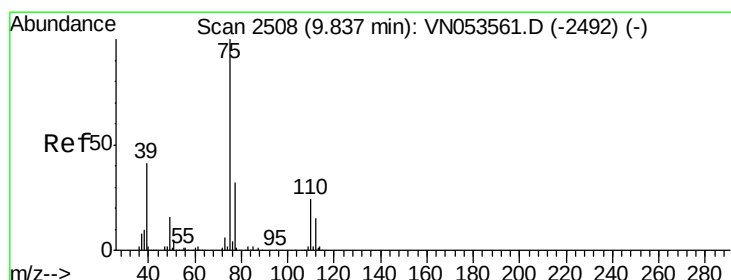
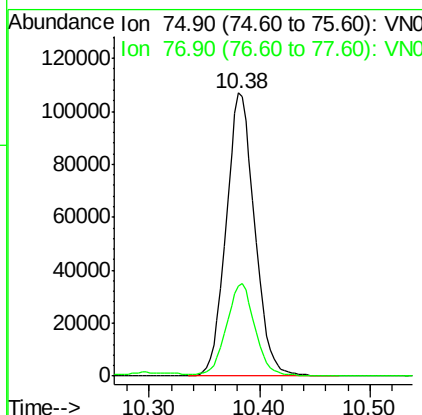
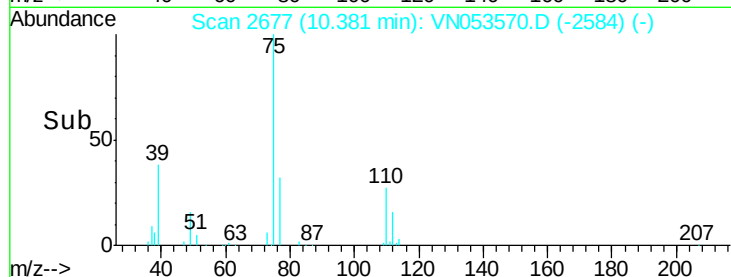
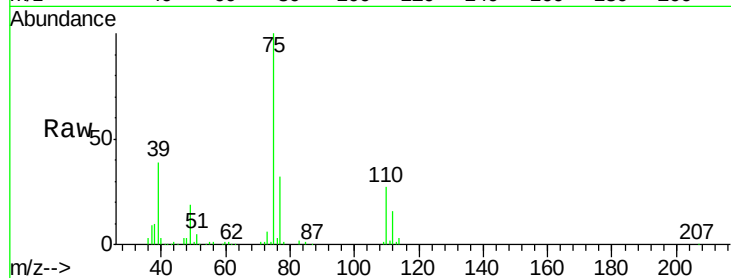
#53
t-1,3-Dichloropropene
Concen: 19.616 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion: 75 Resp: 191391
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3

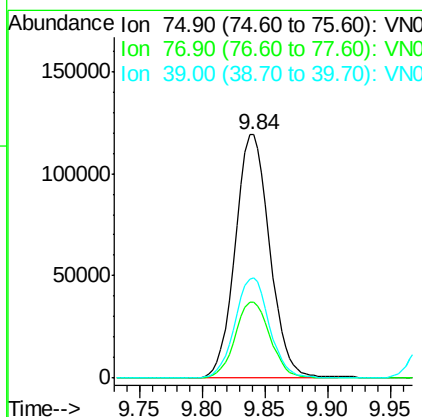
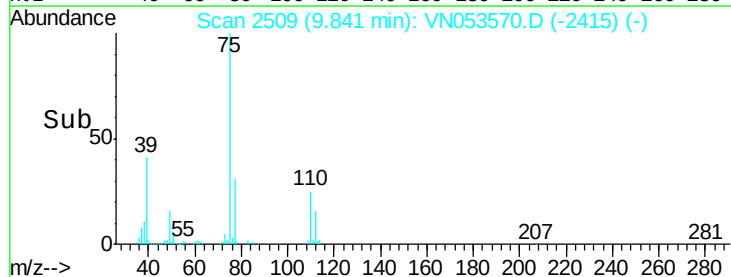
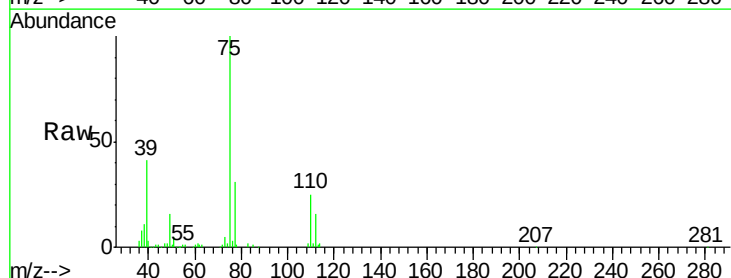
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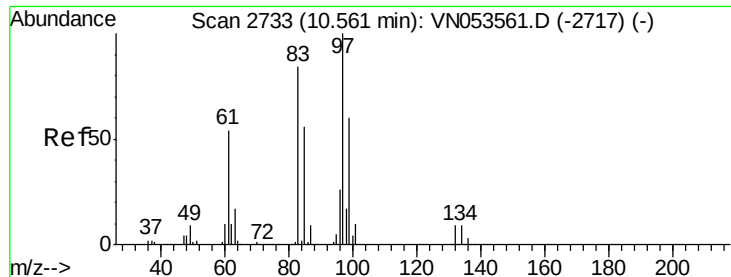
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.719 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 75 Resp: 227985
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.6
39 40.9 33.4 50.0





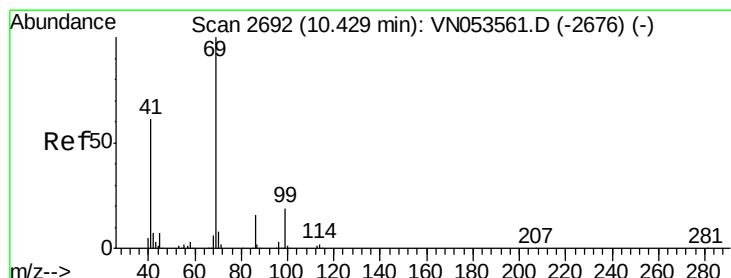
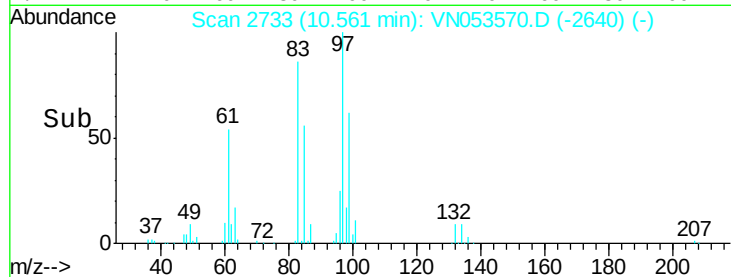
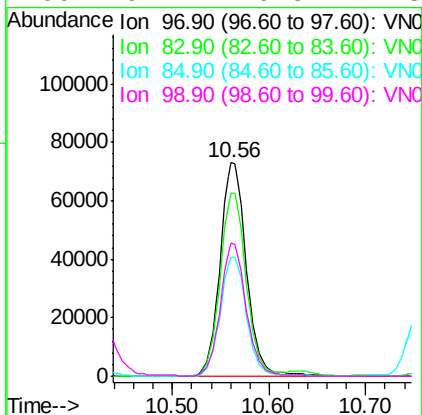
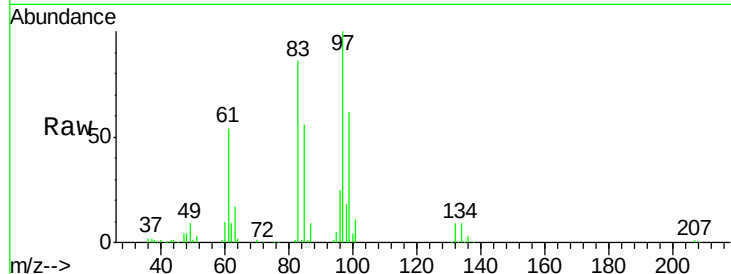
#55
 1,1,2-Trichloroethane
 Concen: 21.225 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.1	105.1
85	55.9	45.4	68.0
99	62.2	49.8	74.8

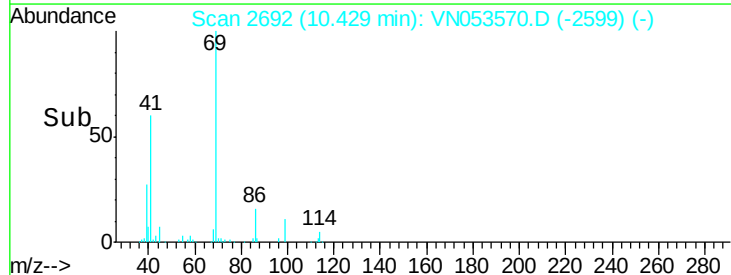
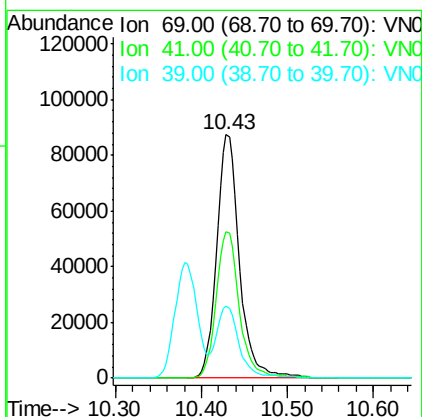
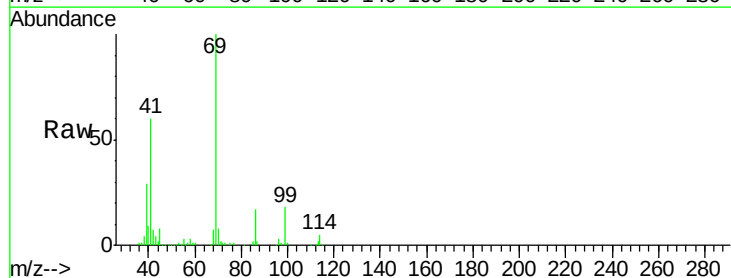
Manual Integrations
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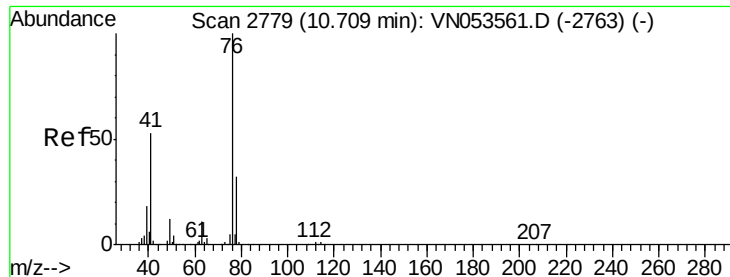
MMDadoda
 2/1/2019 9:18:54 AM



#56
 Ethyl methacrylate
 Concen: 20.958 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.4	74.0
39	28.1	23.3	34.9





#57

1,3-Dichloropropane

Concen: 20.519 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 76 Resp: 227946

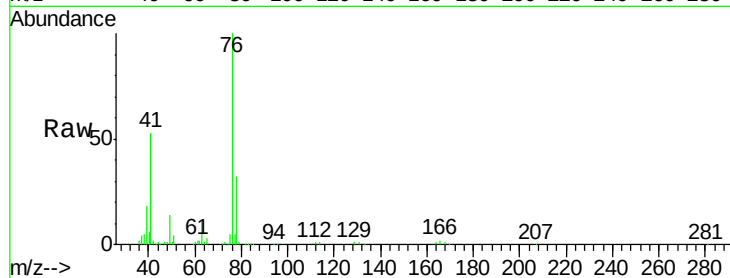
Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4

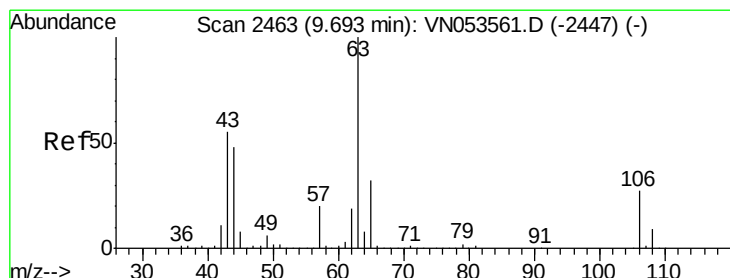
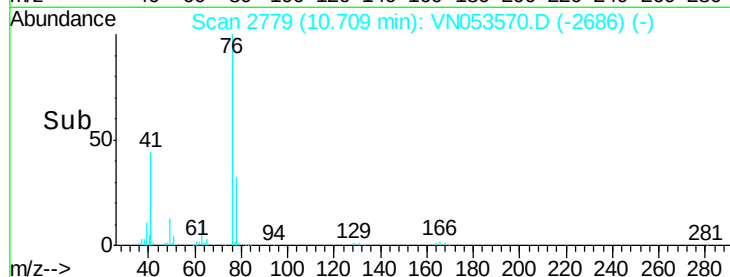
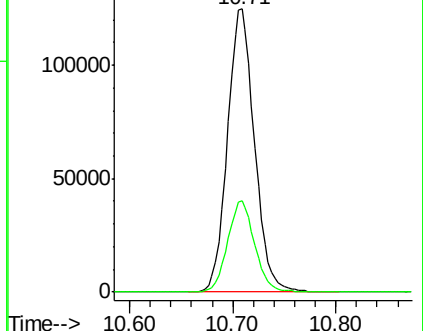
Manual Integrations
APPROVED

MMDadoda
2/1/2019 9:18:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.883 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053570.D

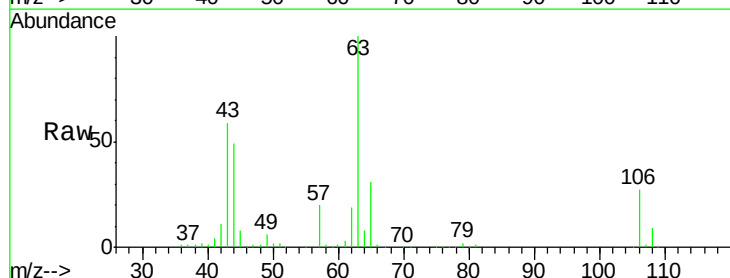
Acq: 30 Jan 2019 14:34

Tgt Ion: 63 Resp: 452648

Ion Ratio Lower Upper

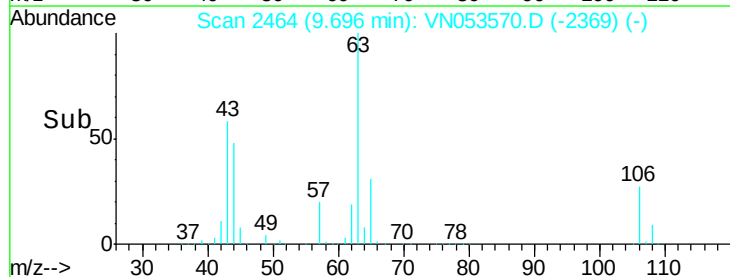
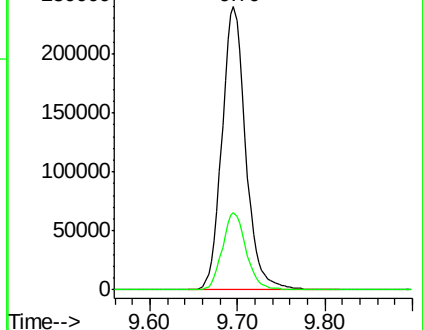
63 100

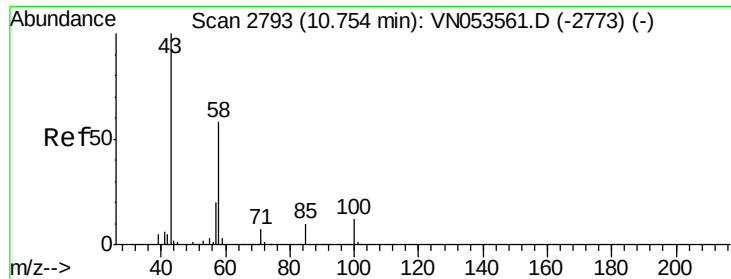
106 27.4 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





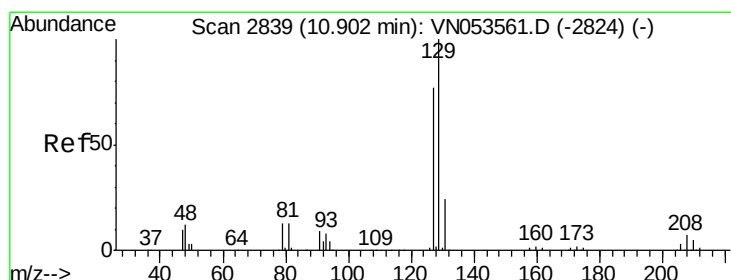
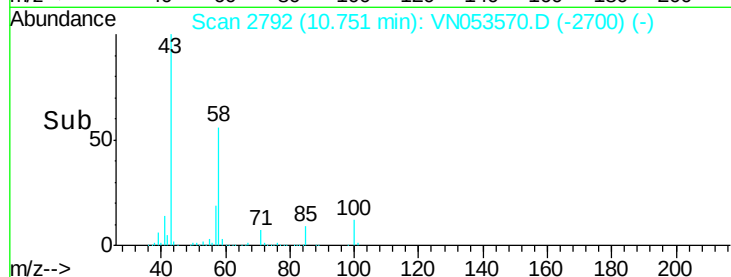
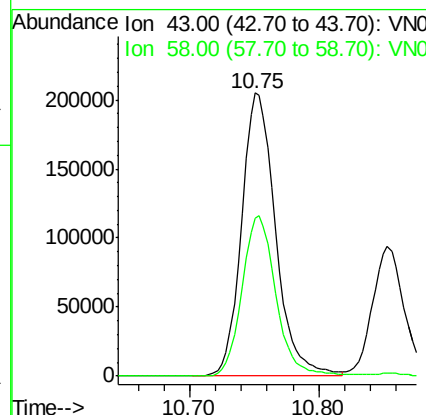
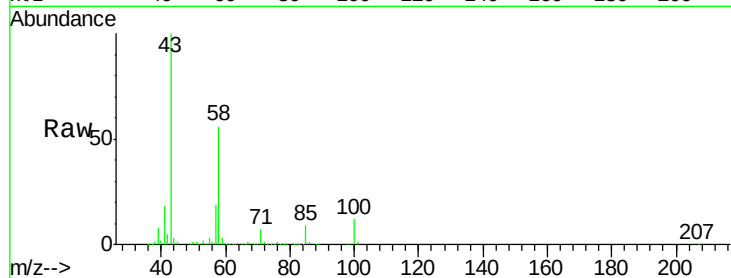
#59
2-Hexanone
Concen: 105.441 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion: 43 Resp: 373947
Ion Ratio Lower Upper
43 100
58 56.7 28.6 85.8

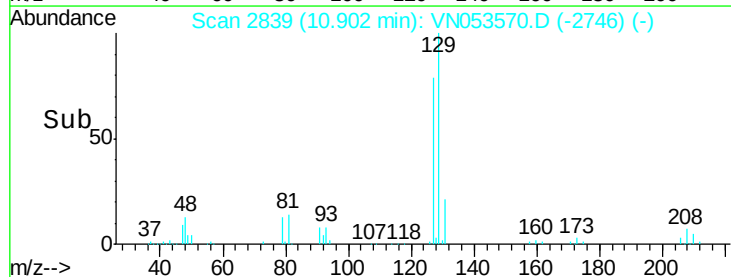
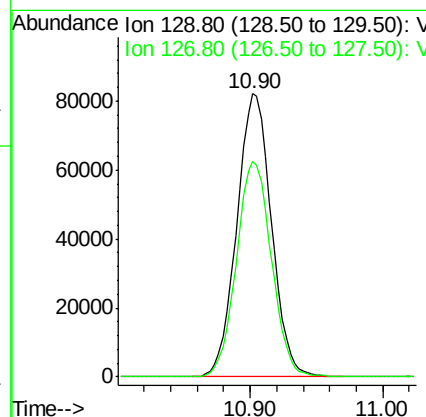
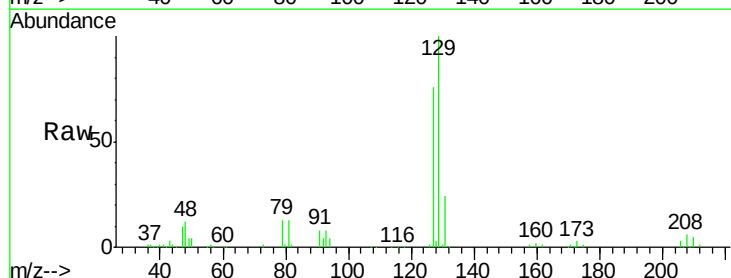
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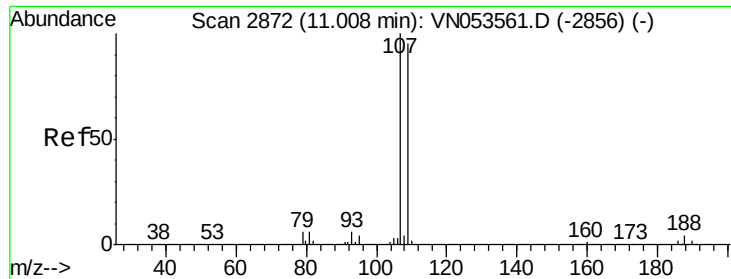
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#60
Dibromochloromethane
Concen: 20.313 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 129 Resp: 148895
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





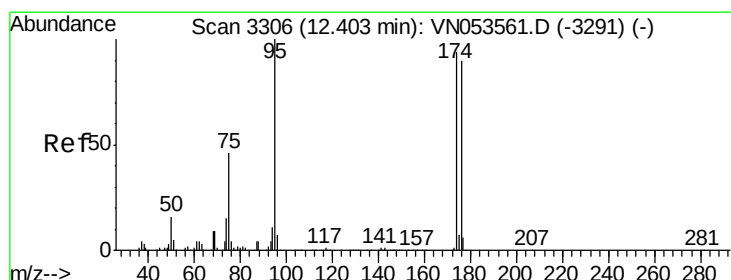
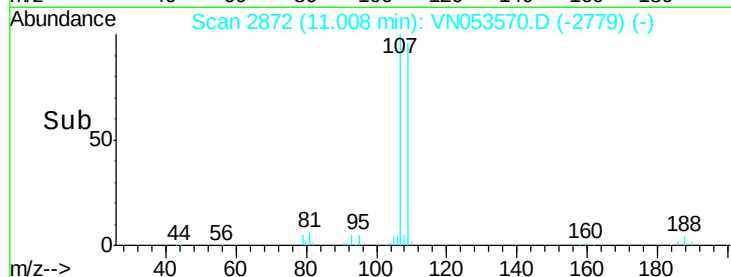
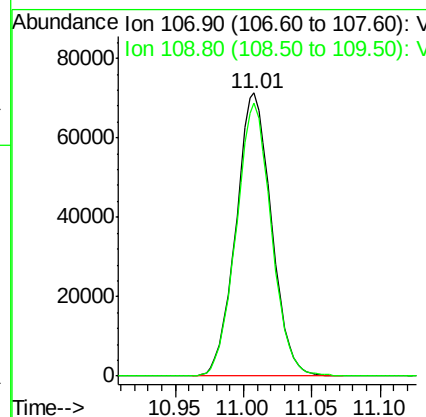
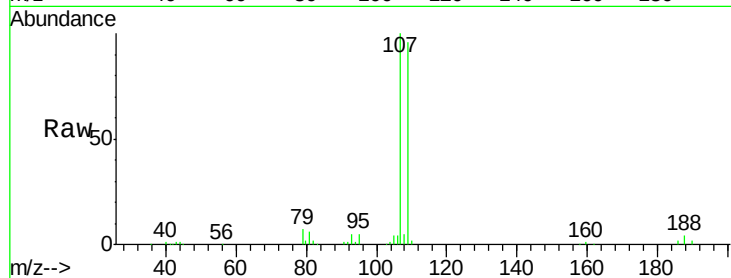
#61
 1,2-Dibromoethane
 Concen: 19.955 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	128387		
109	96.0	75.7	113.5	

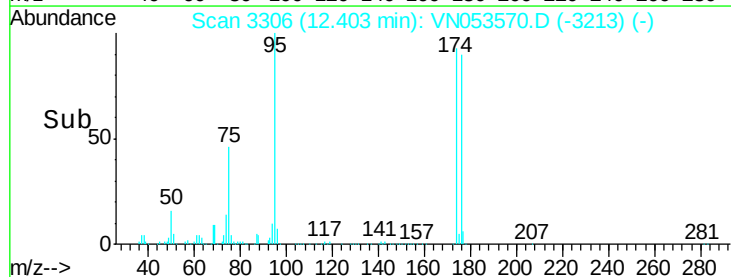
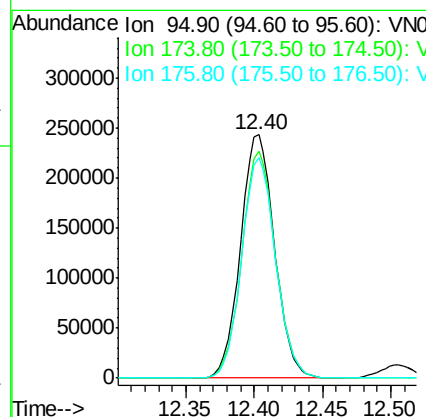
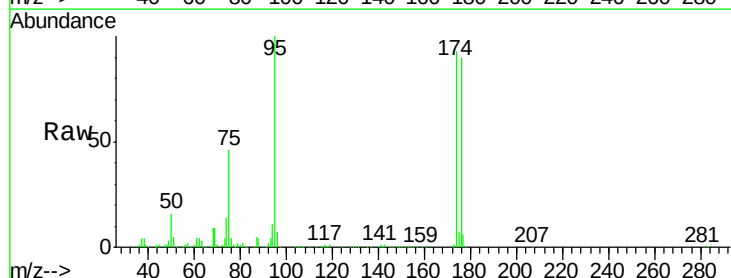
Manual Integrations
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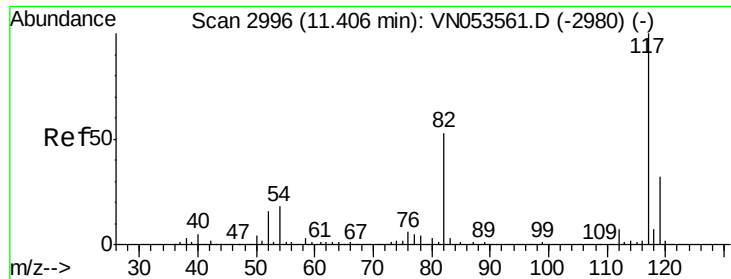
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#62
 4-Bromofluorobenzene
 Concen: 48.762 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	421891		
174	92.1	0.0	183.2	
176	90.1	0.0	177.4	





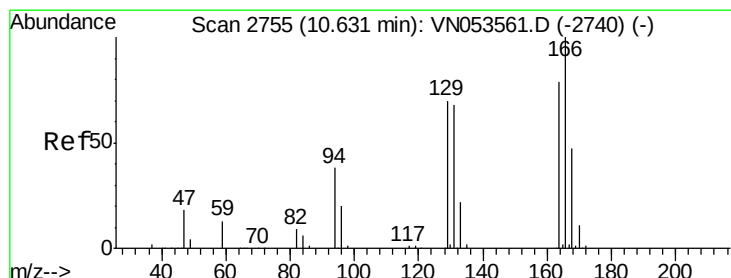
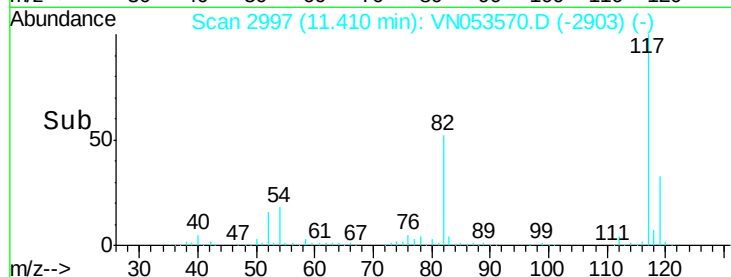
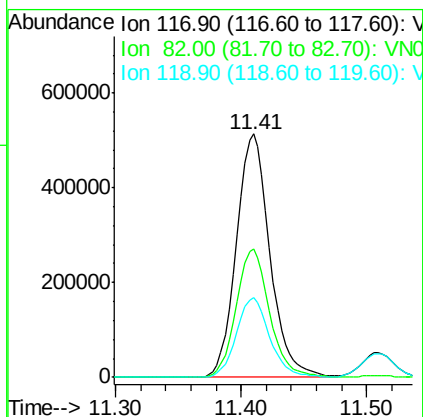
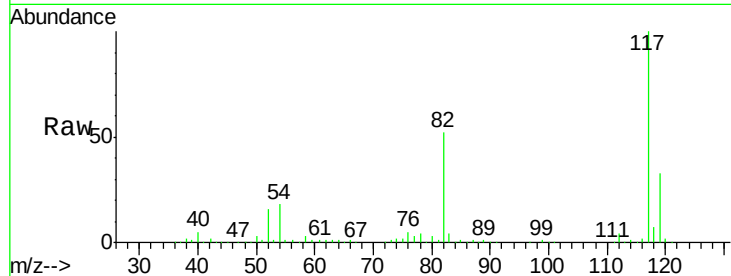
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	956311		
82	52.5	42.9	64.3	
119	32.7	26.0	39.0	

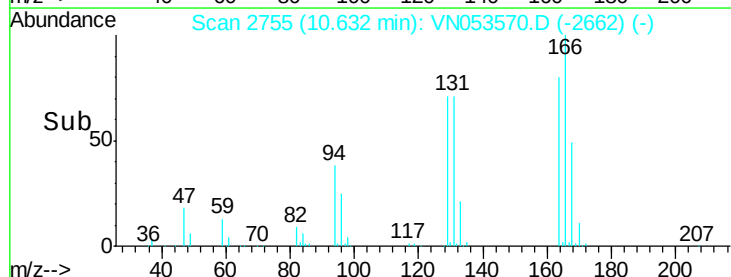
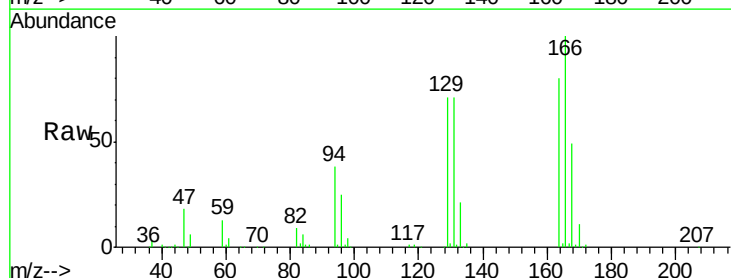
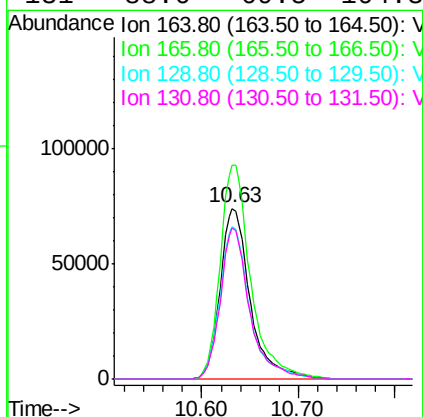
Manual Integrations
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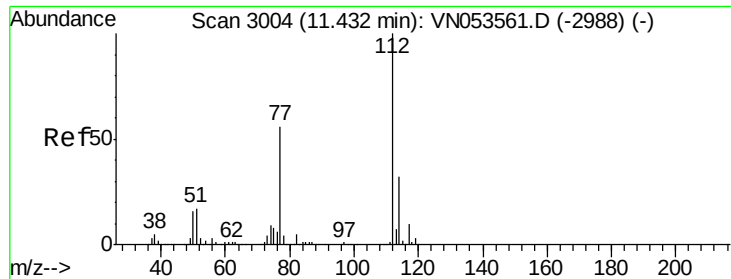
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#64
Tetrachloroethene
Concen: 19.408 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159097		
166	125.0	102.2	153.4	
129	89.3	72.6	109.0	
131	88.6	69.5	104.3	





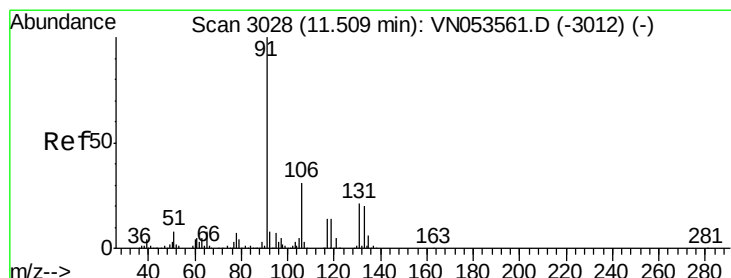
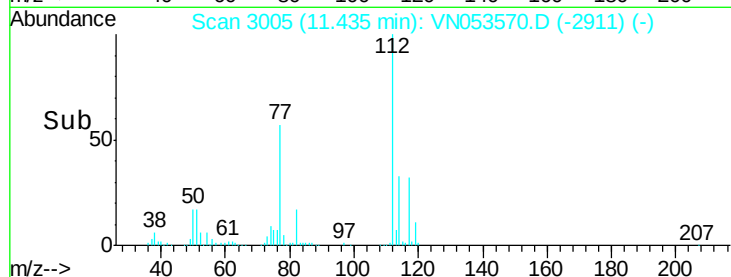
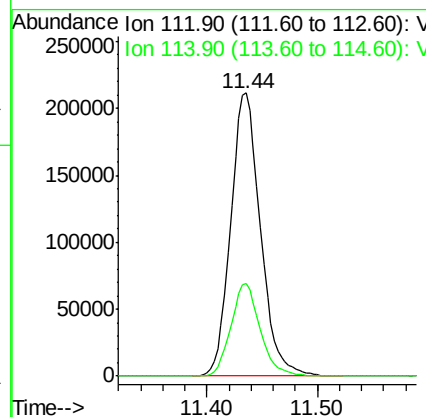
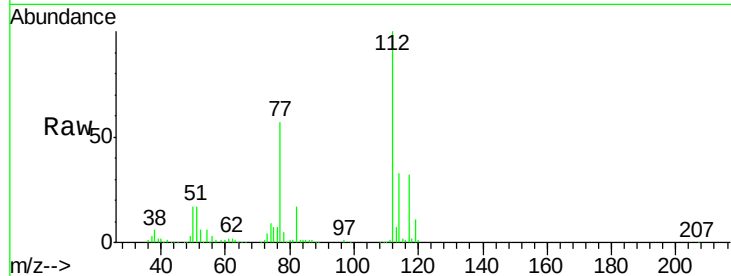
#65
Chlorobenzene
Concen: 19.470 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion:112 Resp: 395489
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9

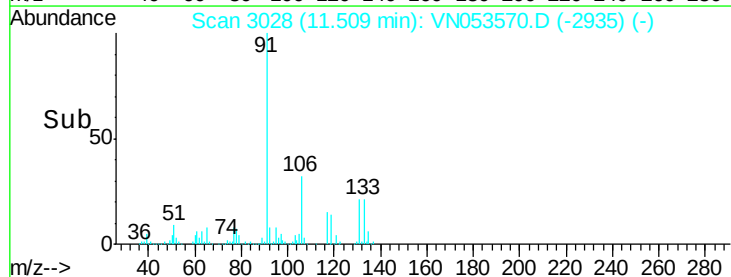
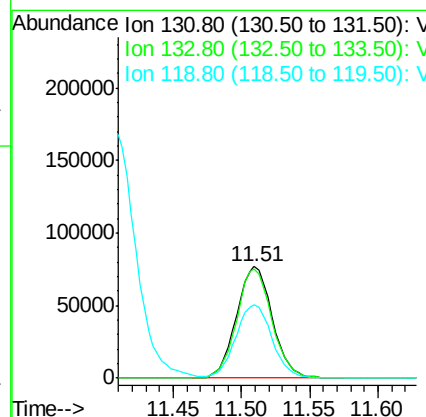
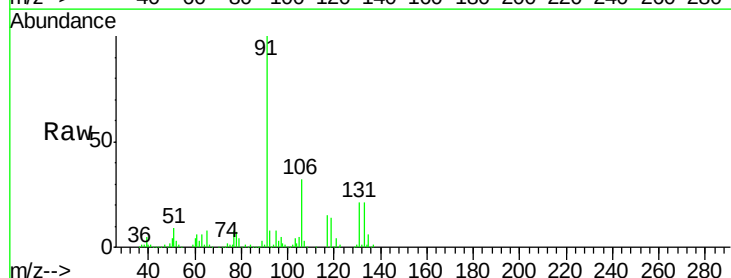
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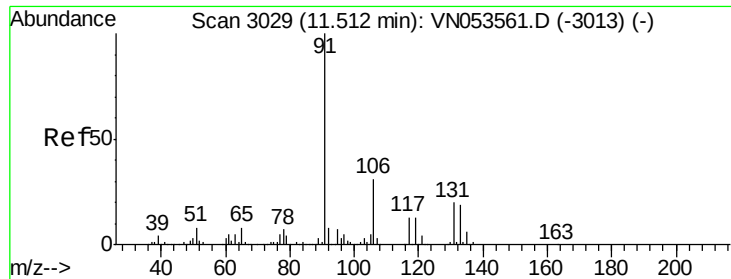
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.769 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion:131 Resp: 140242
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 66.7 33.5 100.5





#67

Ethyl Benzene

Concen: 19.850 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 91 Resp: 662358

Ion Ratio Lower Upper

91 100

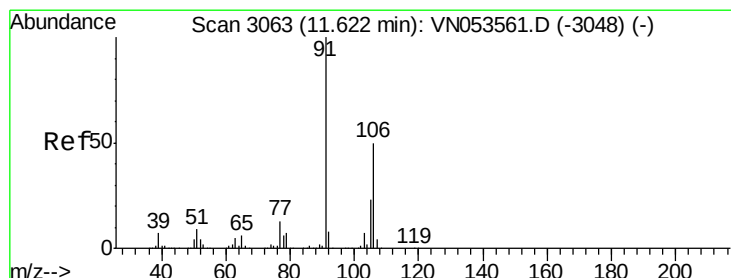
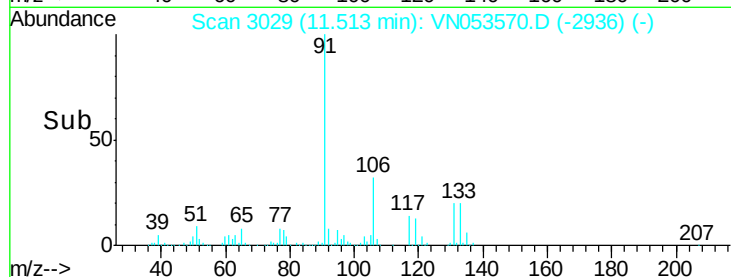
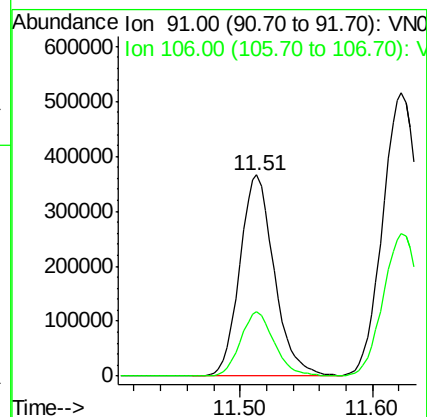
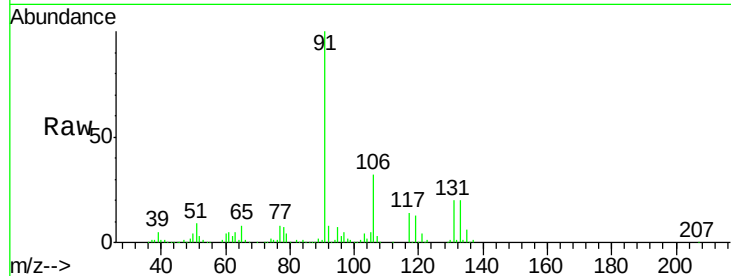
106 32.2 25.0 37.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.792 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053570.D

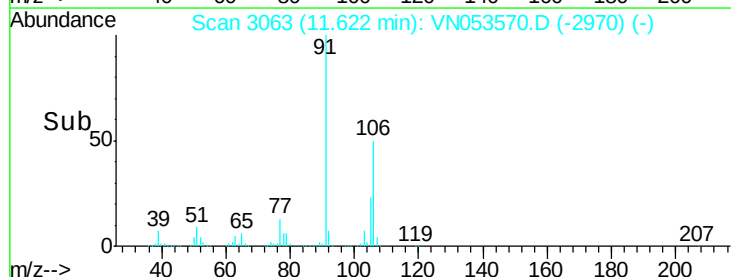
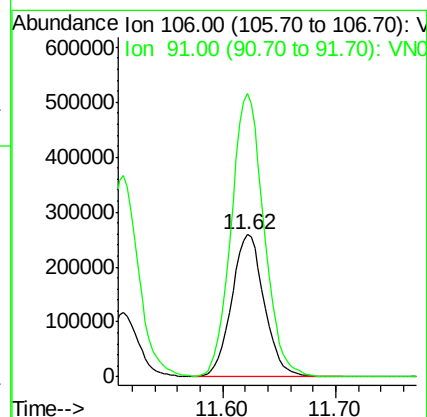
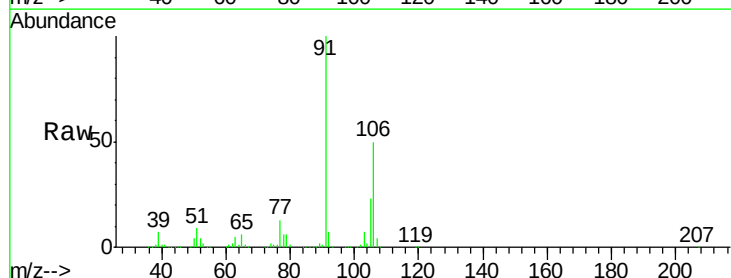
Acq: 30 Jan 2019 14:34

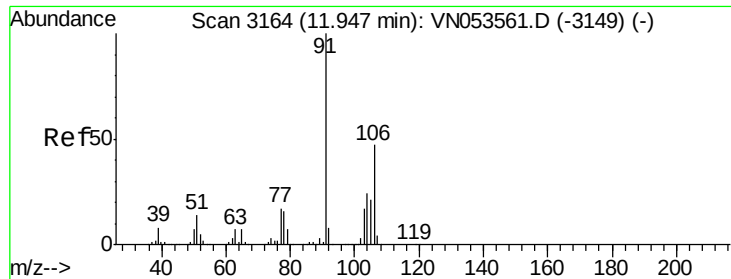
Tgt Ion: 106 Resp: 519504

Ion Ratio Lower Upper

106 100

91 199.8 161.4 242.2





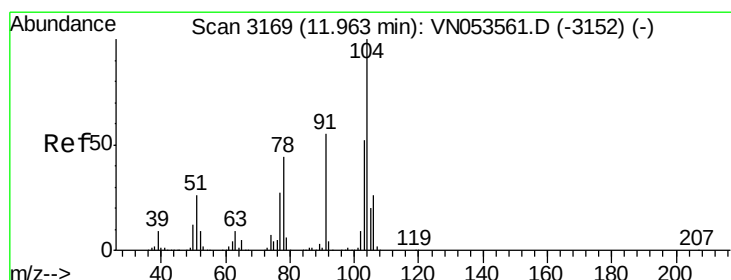
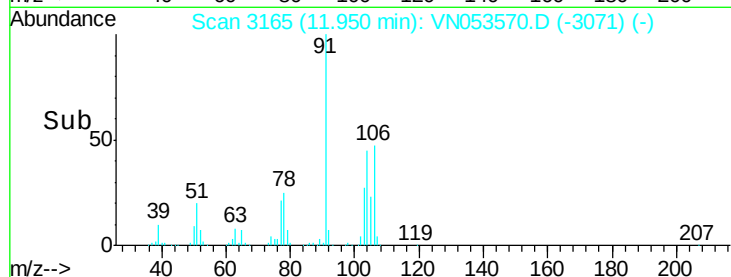
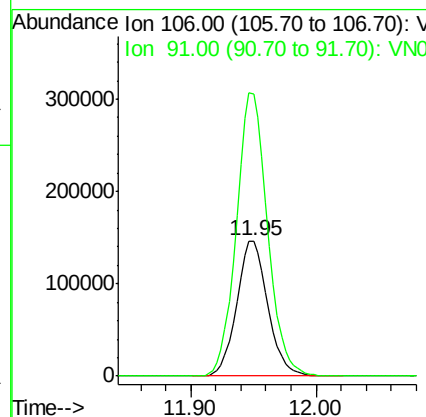
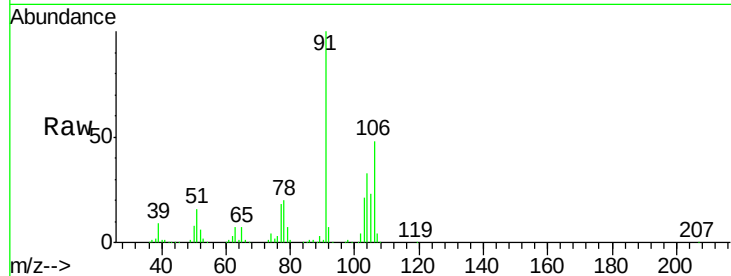
#69
o-Xylene
Concen: 20.391 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	250878		
91	210.6	106.9	320.8	

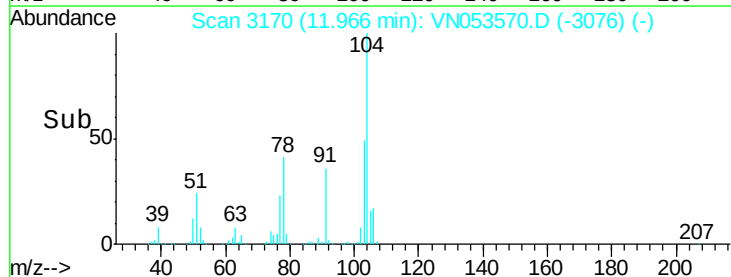
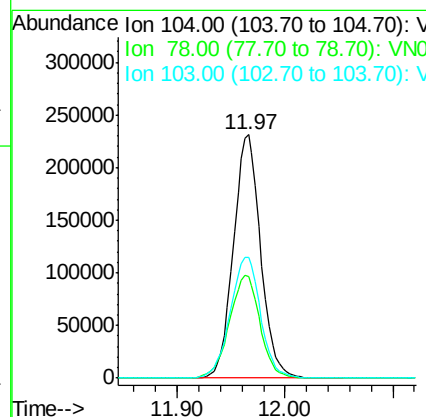
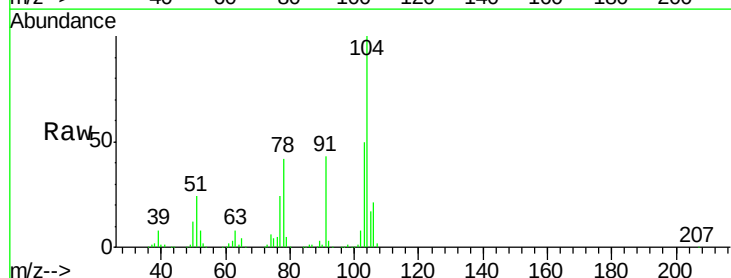
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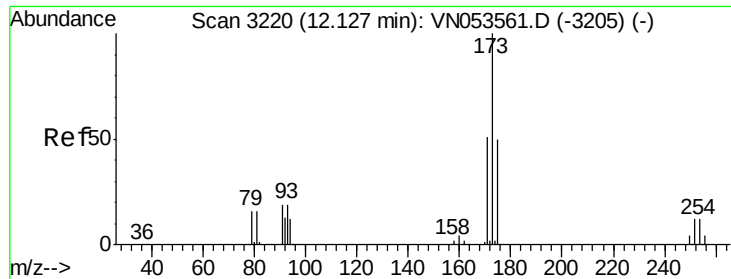
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#70
Styrene
Concen: 20.408 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	406976		
78	47.2	38.2	57.2	
103	55.3	44.4	66.6	





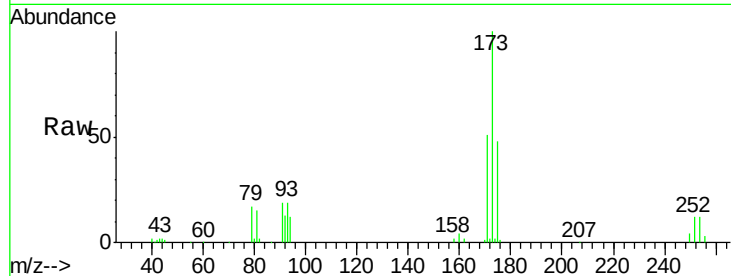
#71
Bromoform
Concen: 20.935 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampled :
VN0130WBSD01

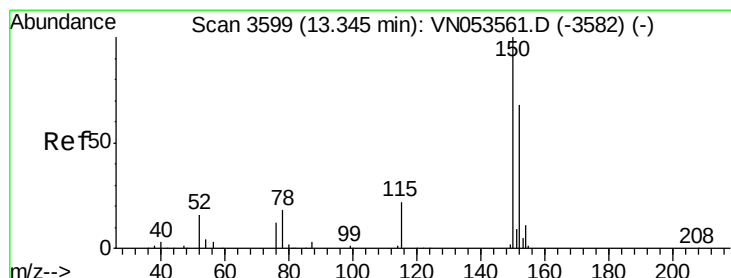
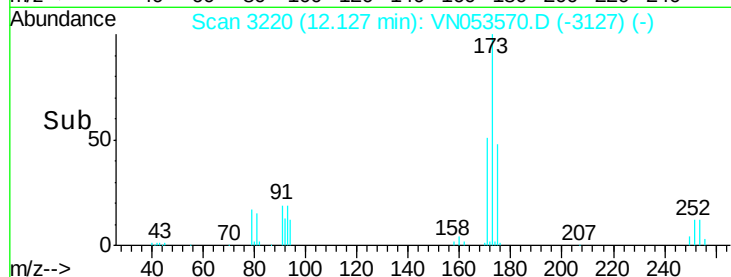
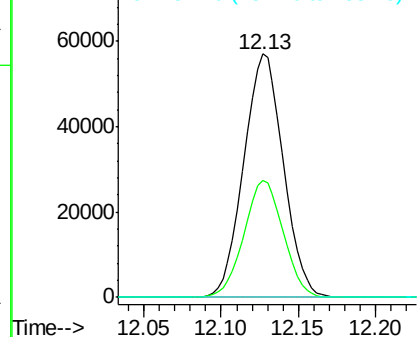
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.6	74.0
254	0.0	0.2	0.2

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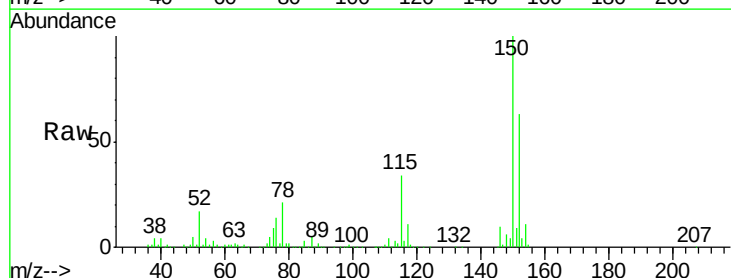


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

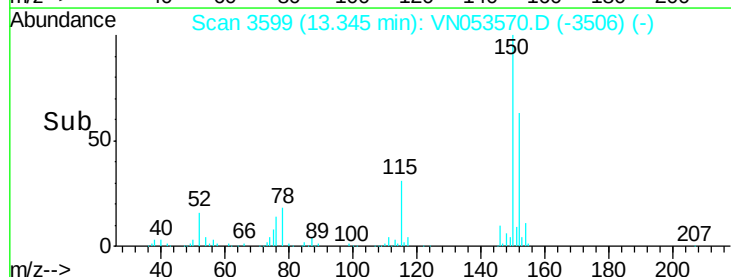
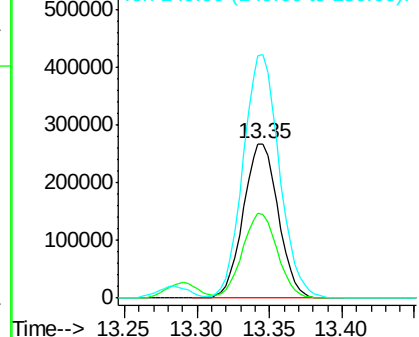


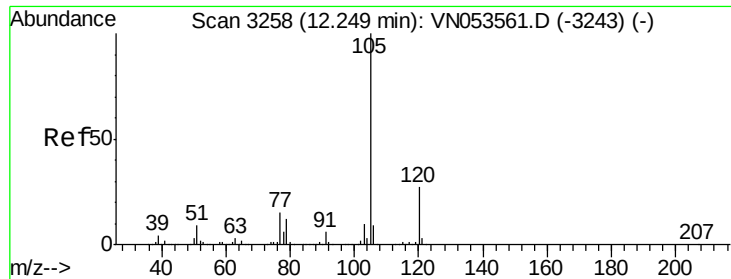
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.4
150	163.7	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: 20.535 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 105 Resp: 646977

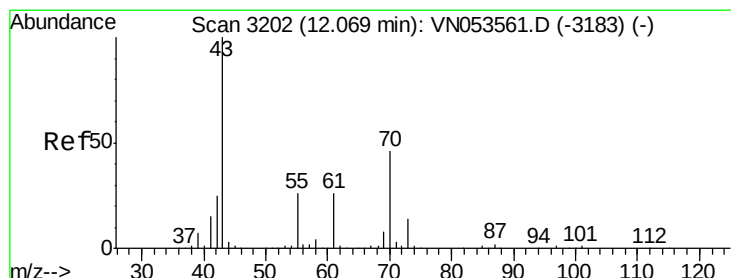
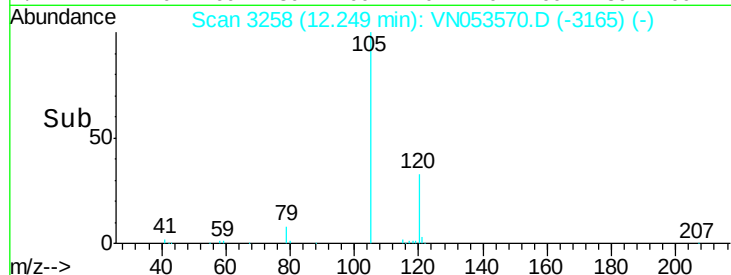
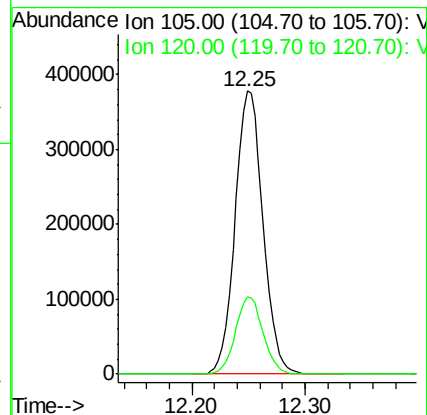
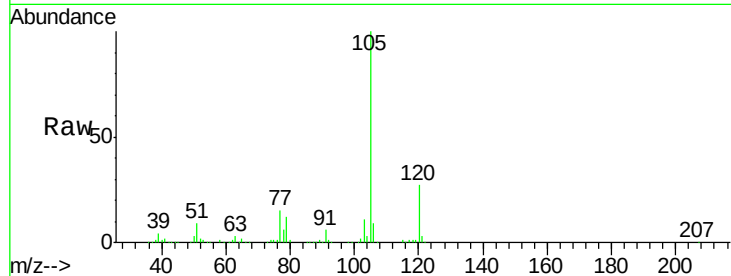
Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7

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#74

N-ethyl acetate

Concen: 21.300 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion: 43 Resp: 161378

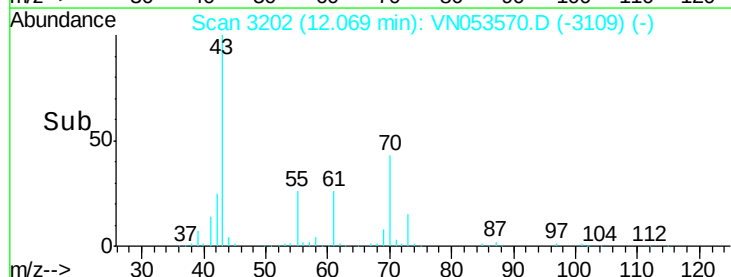
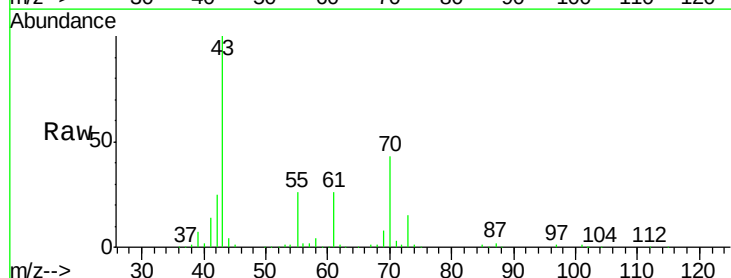
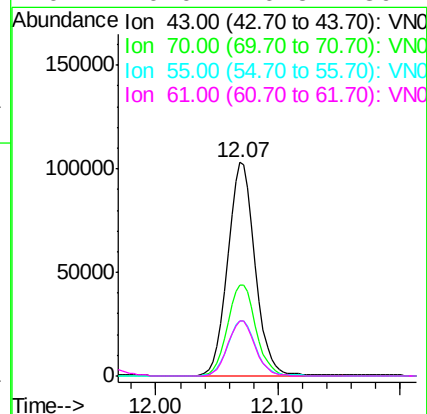
Ion Ratio Lower Upper

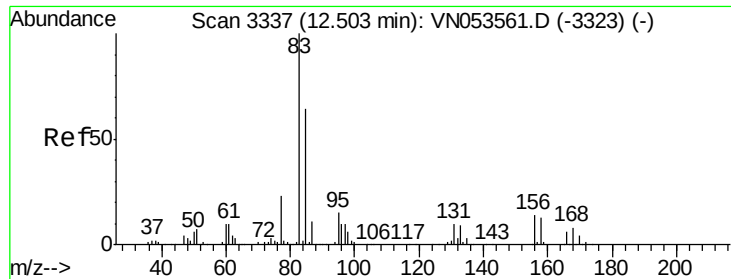
43 100

70 44.7 35.4 53.2

55 27.0 20.9 31.3

61 26.0 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.048 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 83 Resp: 158708
Ion Ratio Lower Upper

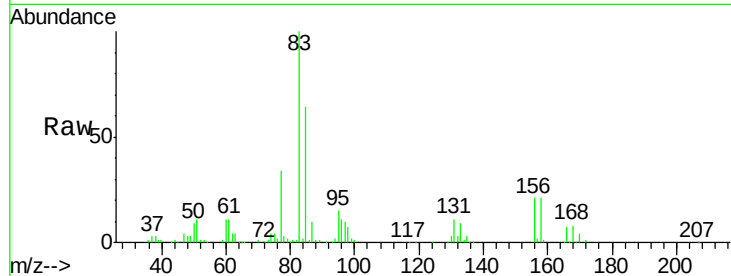
83 100

131 10.6 5.3 15.8

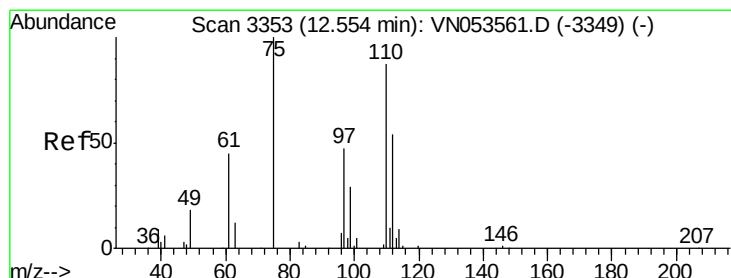
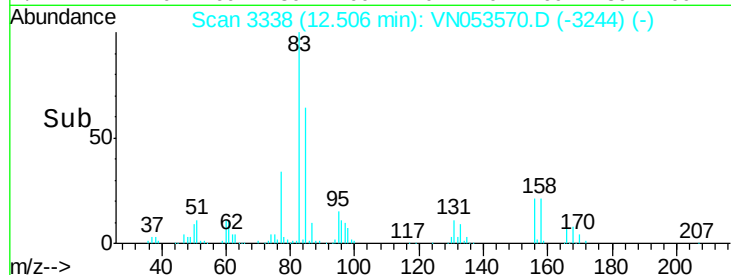
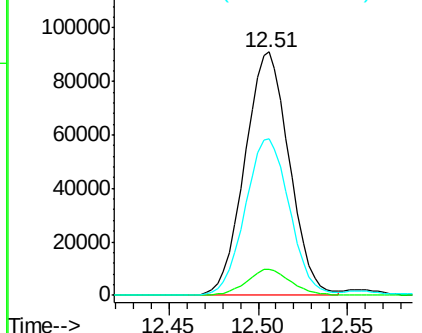
85 64.2 32.1 96.3

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 23.250 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

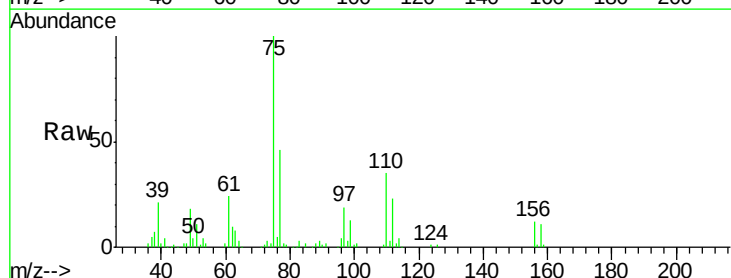
Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

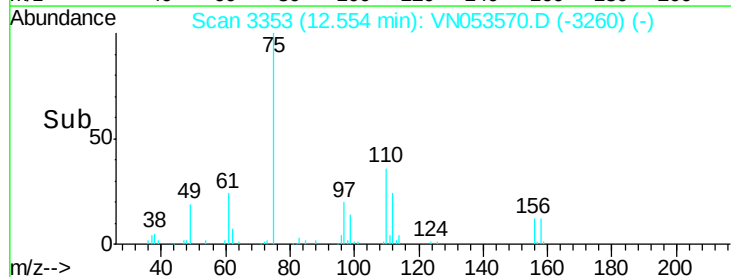
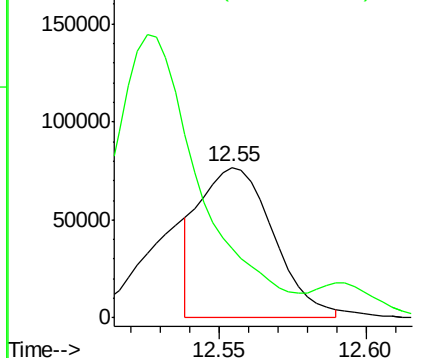
Tgt Ion: 75 Resp: 133842
Ion Ratio Lower Upper

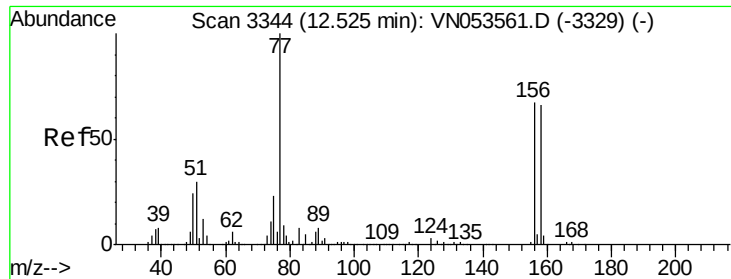
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.368 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

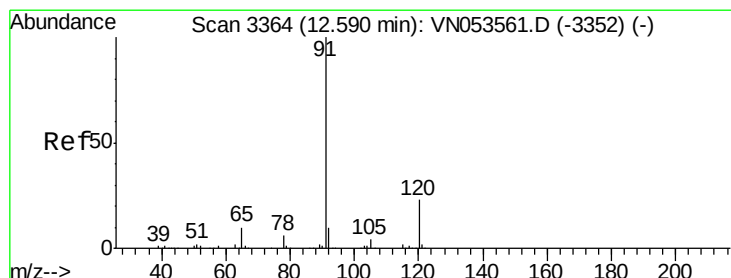
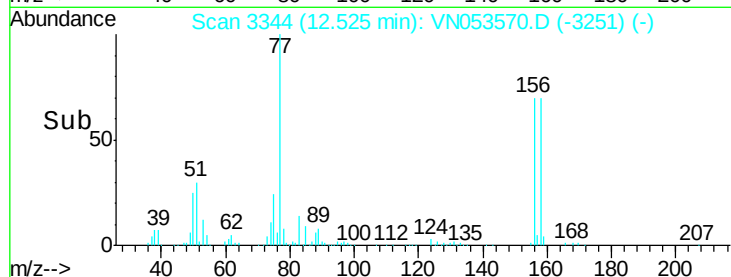
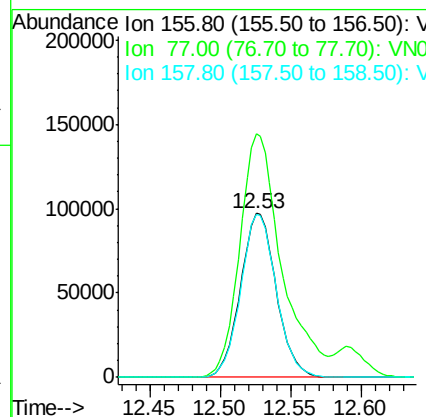
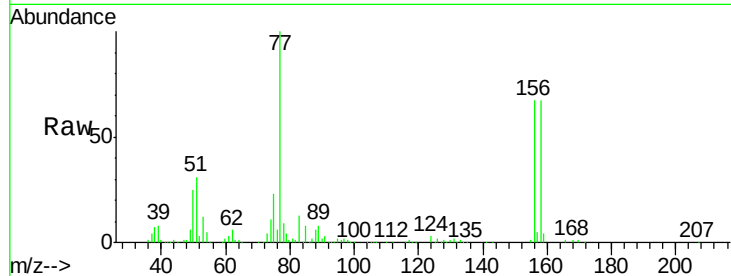
ClientSampleId :

VN0130WBSD01

Tgt Ion:	156	Resp:	172948
Ion Ratio	Lower	Upper	
156	100		
77	174.1	87.9	263.8
158	99.0	48.8	146.4

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#78

n-propylbenzene

Concen: 20.452 ug/l

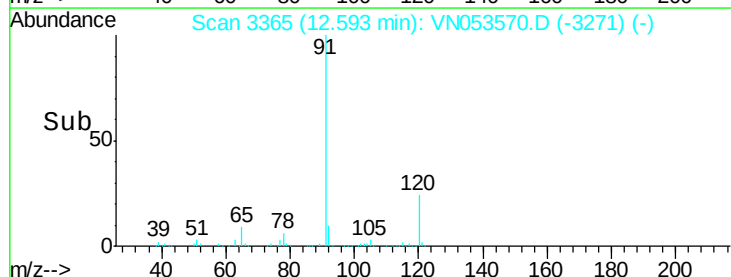
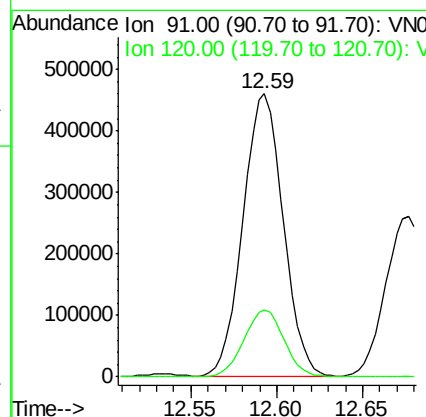
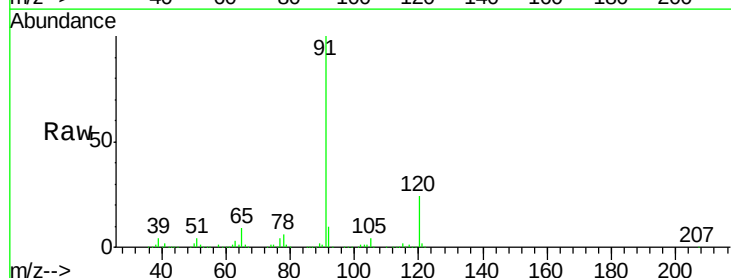
RT: 12.59 min Scan# 3365

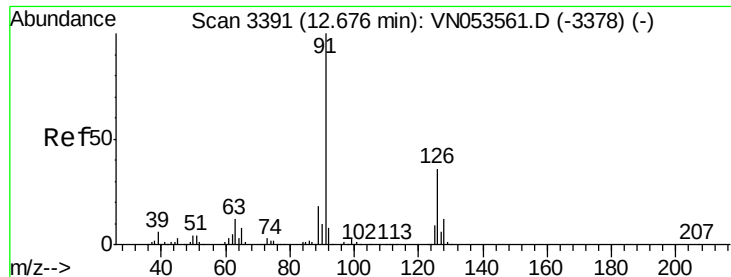
Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion:	91	Resp:	744914
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.607 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion: 91 Resp: 445287

Ion Ratio Lower Upper

91 100

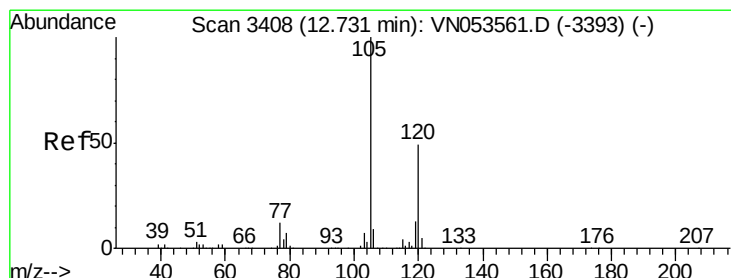
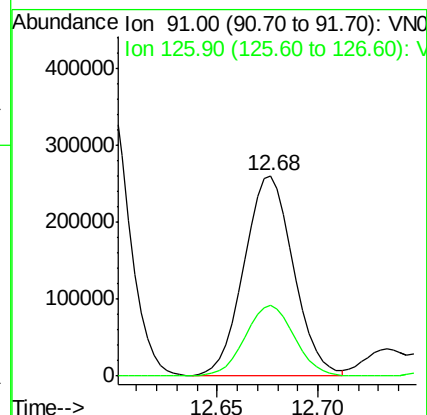
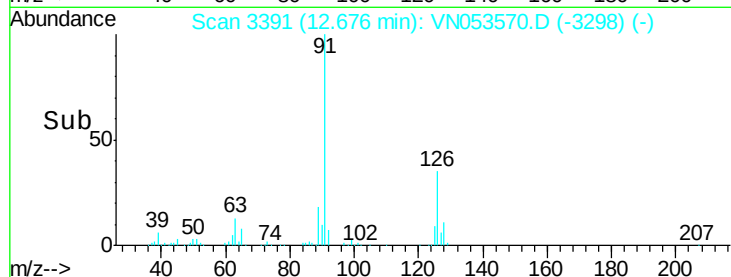
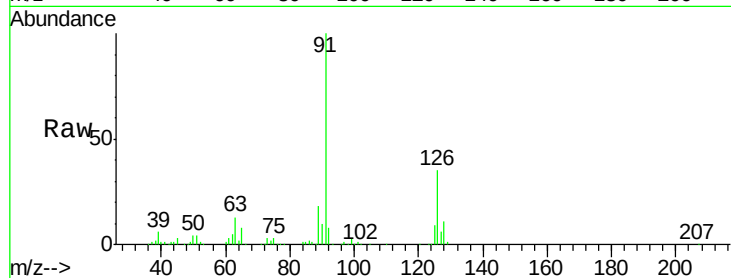
126 35.6 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.193 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053570.D

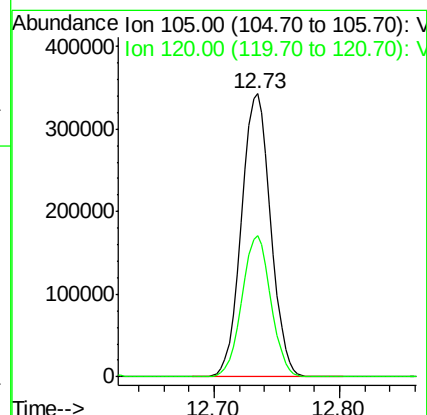
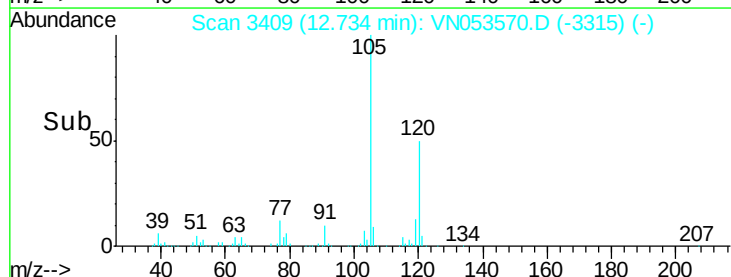
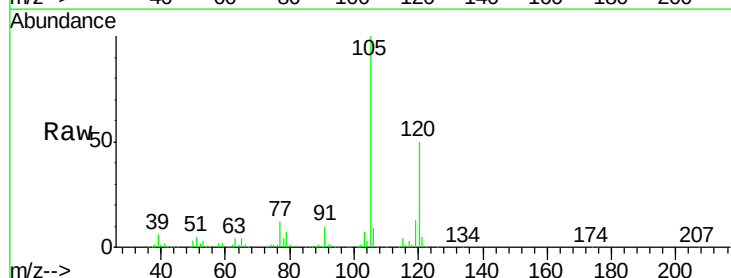
Acq: 30 Jan 2019 14:34

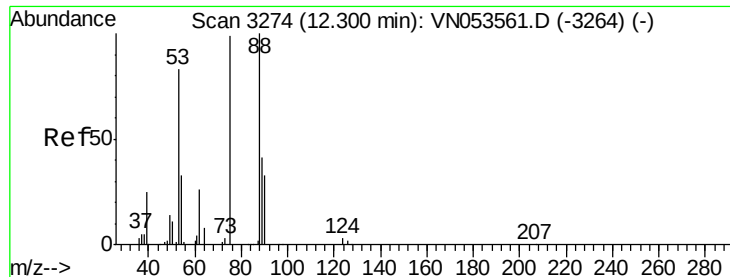
Tgt Ion: 105 Resp: 553704

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6





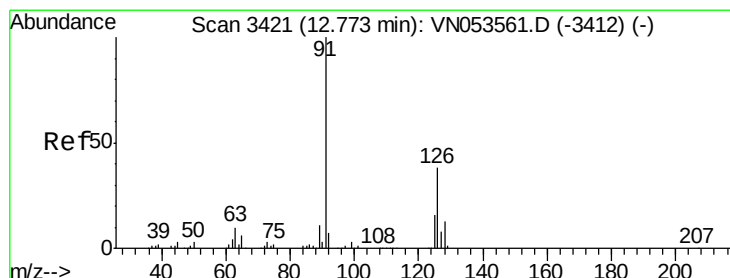
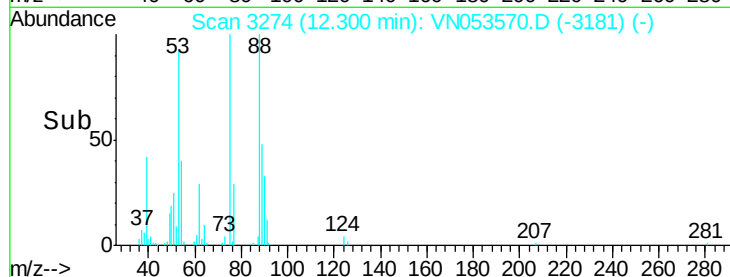
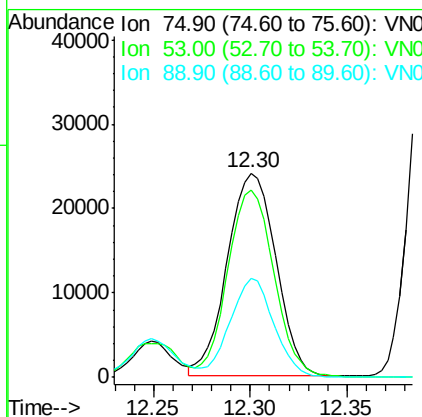
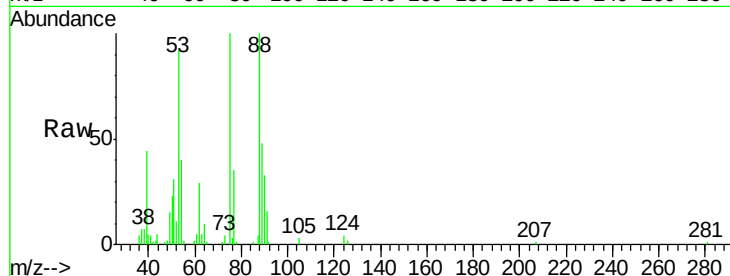
#81
trans-1,4-Dichloro-2-butene
Concen: 20.571 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.2	69.8	104.6
89	43.8	35.6	53.4

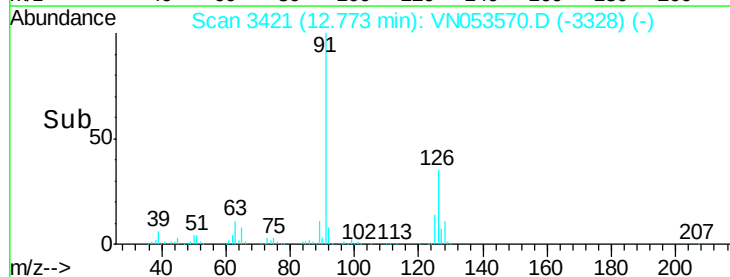
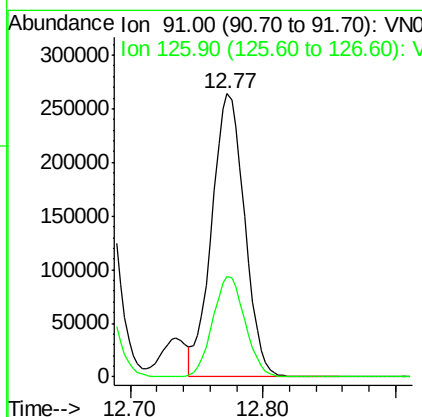
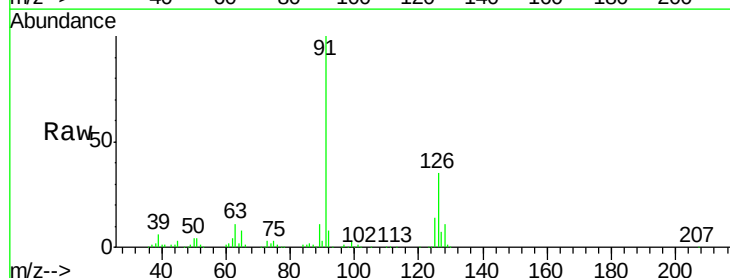
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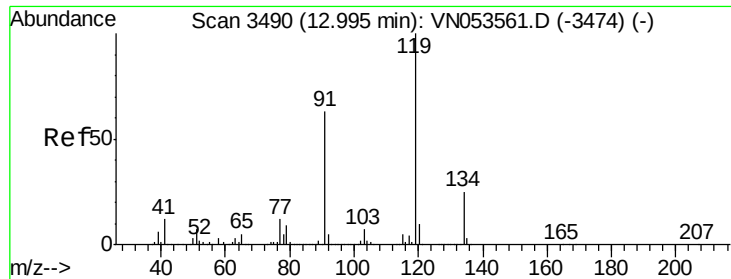
MMDadoda
2/1/2019 9:18:54 AM



#82
4-Chlorotoluene
Concen: 20.455 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.6	52.9





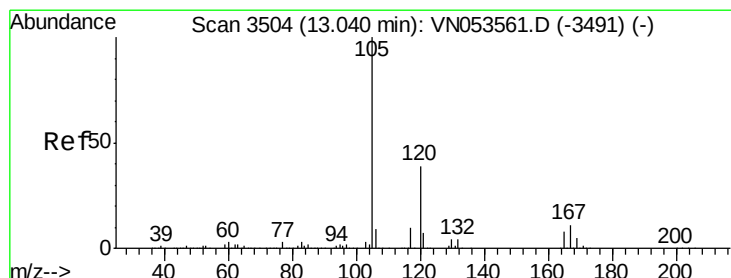
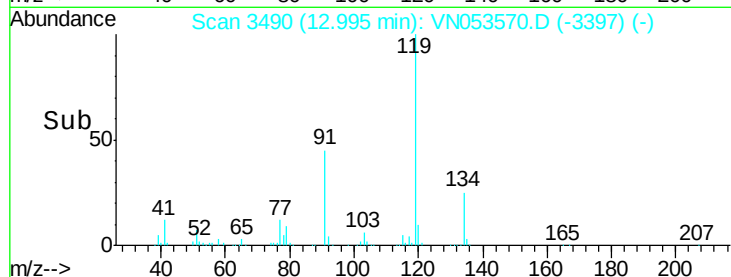
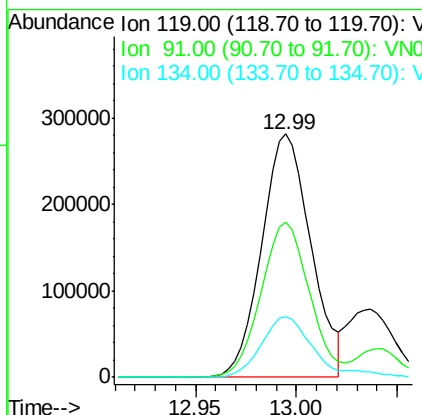
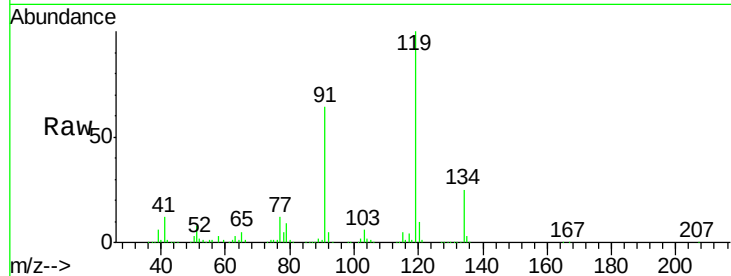
#83
 tert-Butylbenzene
 Concen: 20.732 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.3	93.8
134	26.7	12.9	38.7

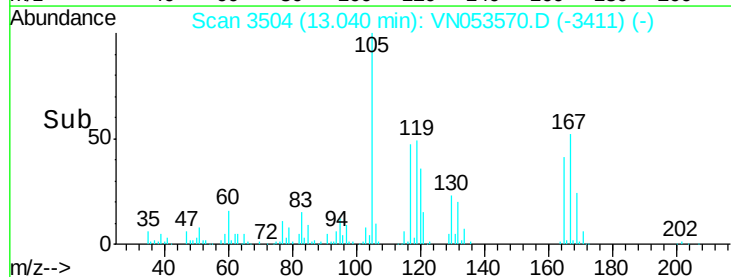
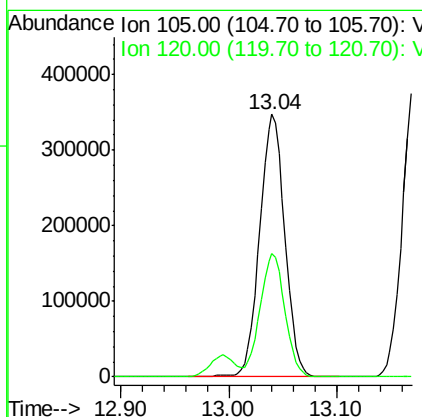
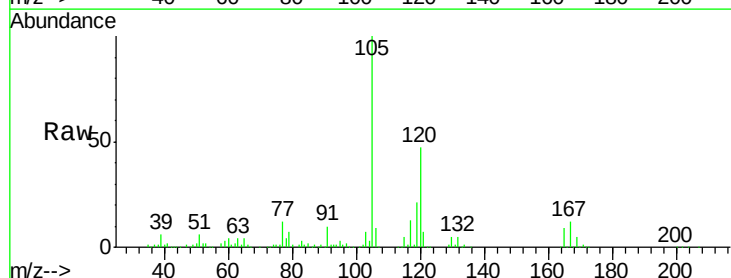
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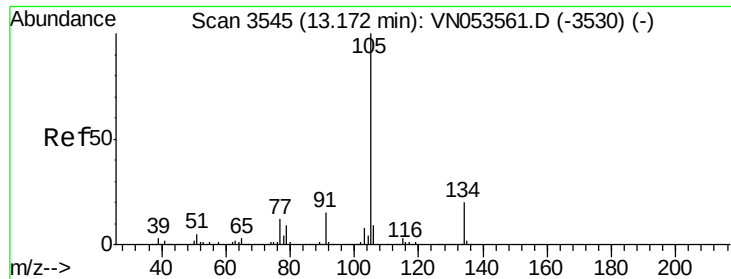
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.028 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.816 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tgt Ion:105 Resp: 654113

Ion Ratio Lower Upper

105 100

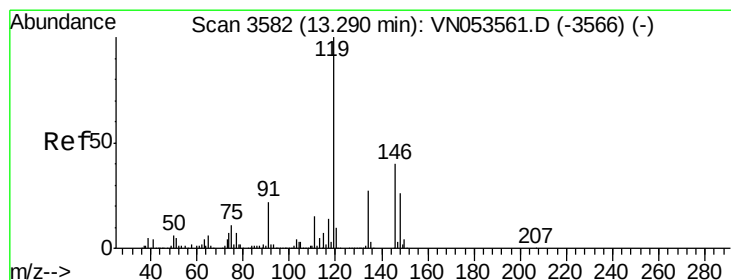
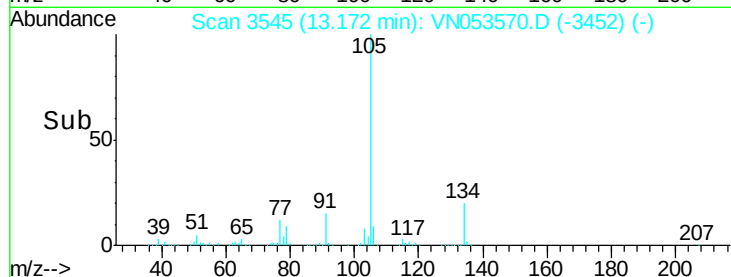
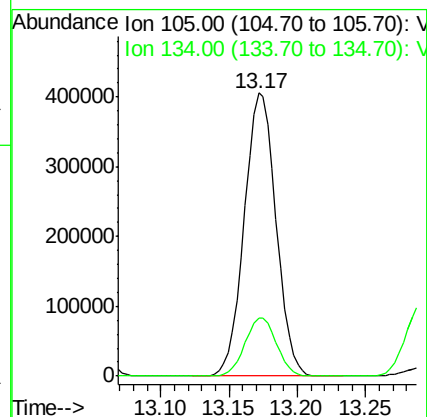
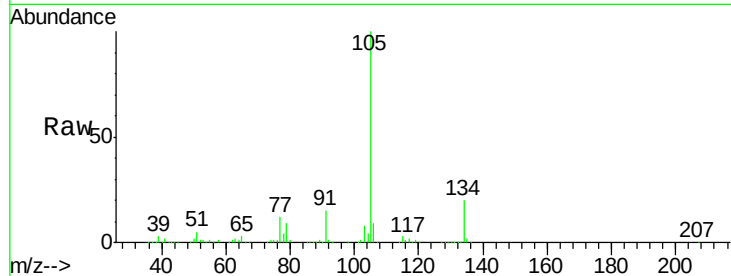
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.673 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

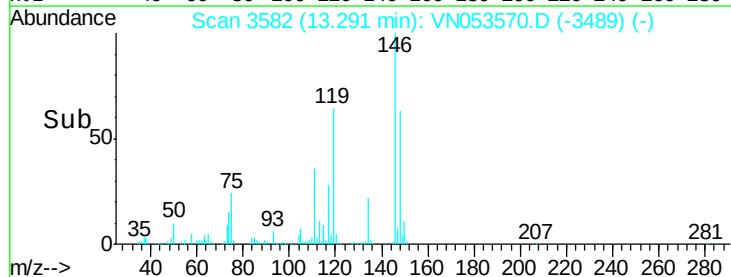
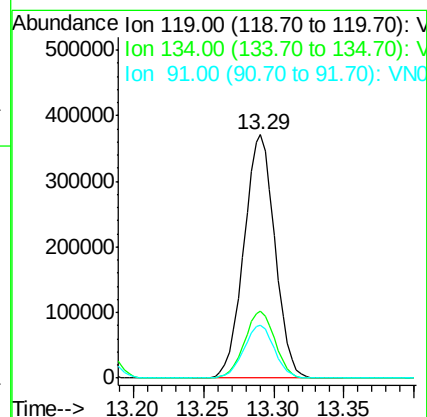
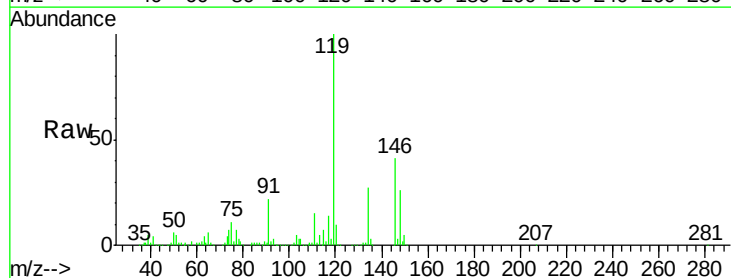
Tgt Ion:119 Resp: 568141

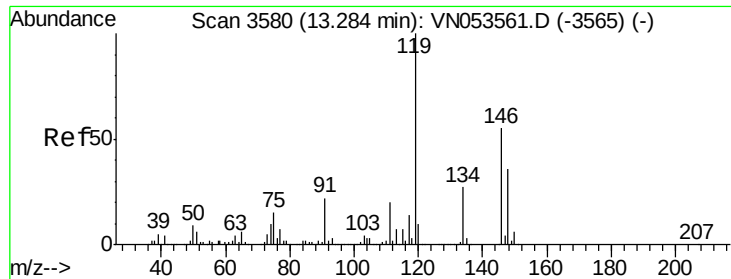
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

91 21.6 11.0 33.0





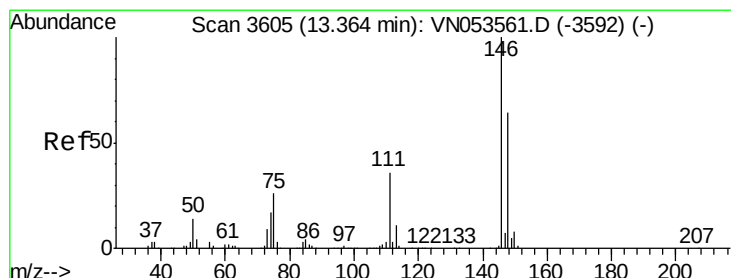
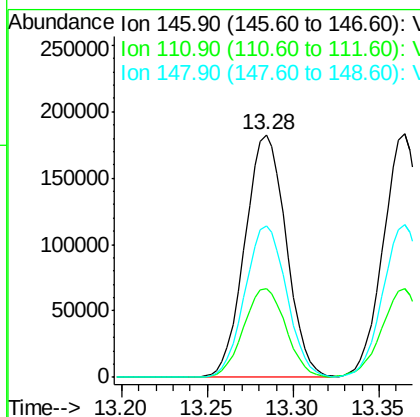
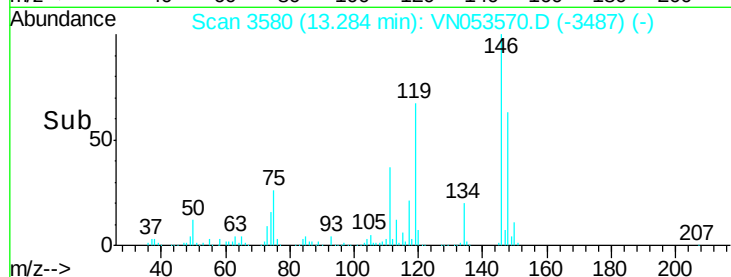
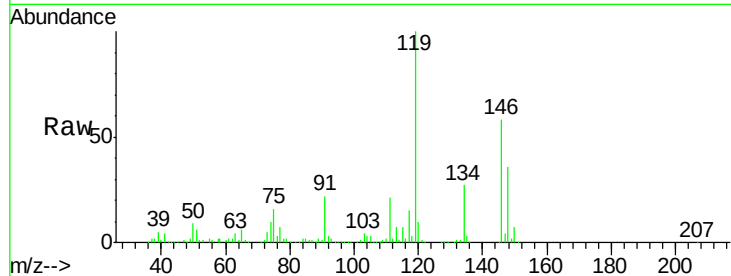
#87
 1,3-Dichlorobenzene
 Concen: 19.918 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	304035		
111	37.4	18.8	56.3	
148	63.1	32.0	96.2	

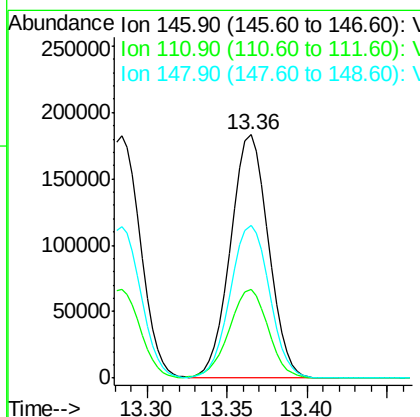
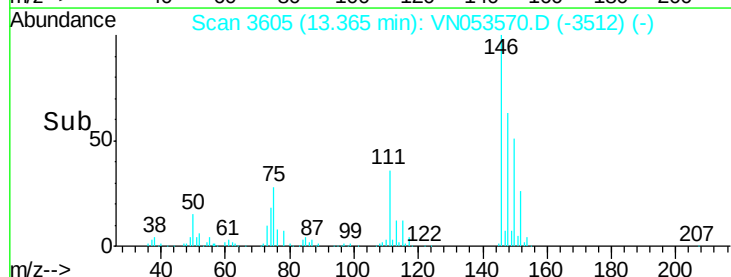
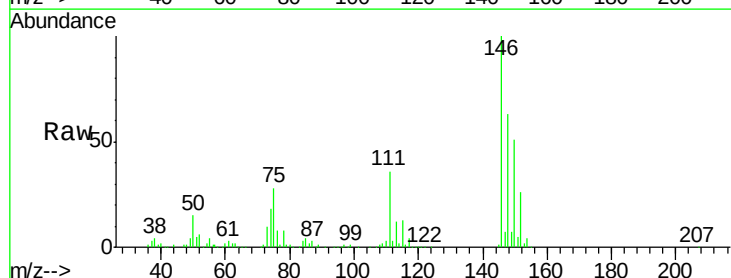
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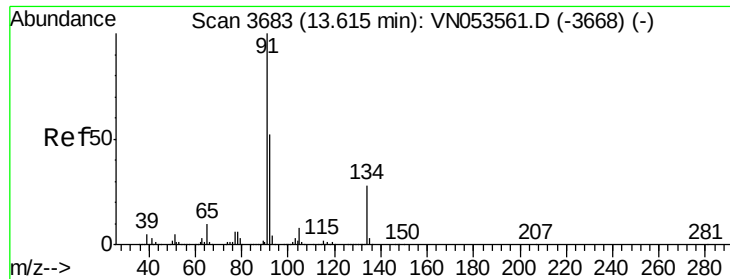
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#88
 1,4-Dichlorobenzene
 Concen: 19.641 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	296568		
111	37.7	18.6	55.8	
148	65.0	32.4	97.0	





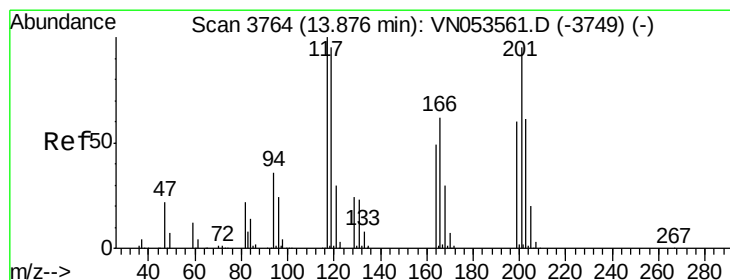
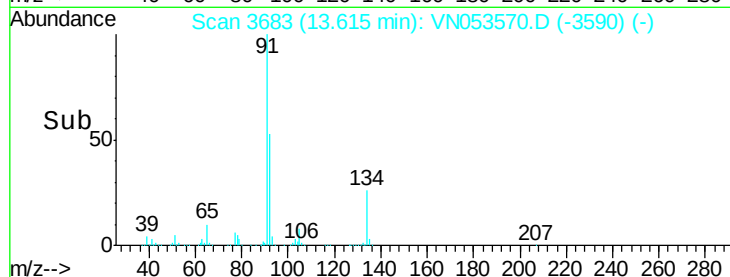
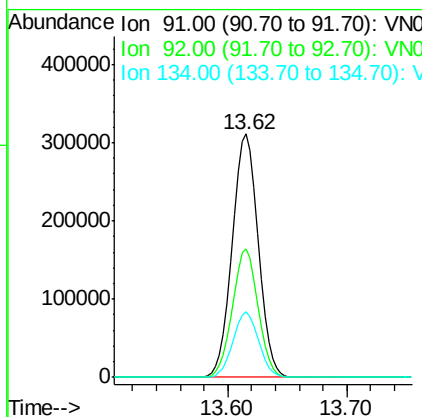
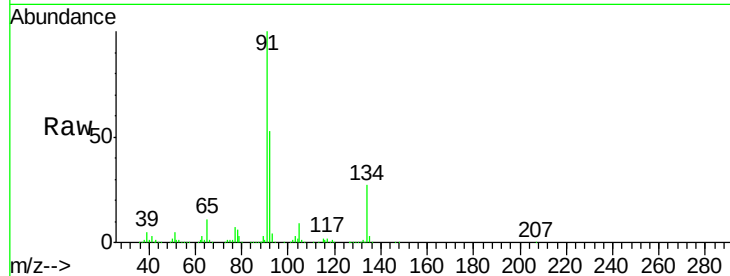
#89
n-Butylbenzene
Concen: 19.826 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.8
134	26.6	13.5	40.5

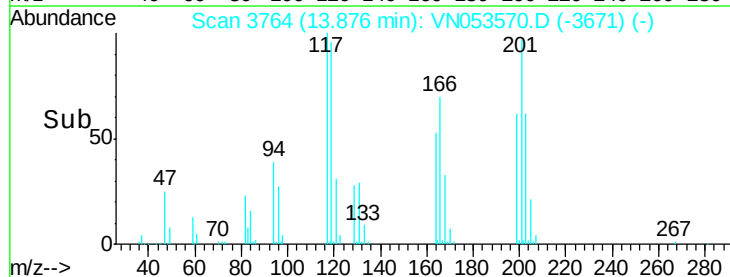
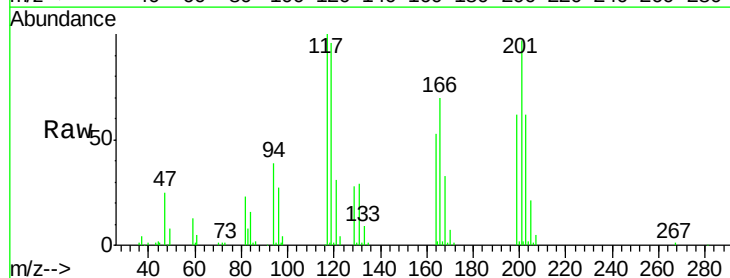
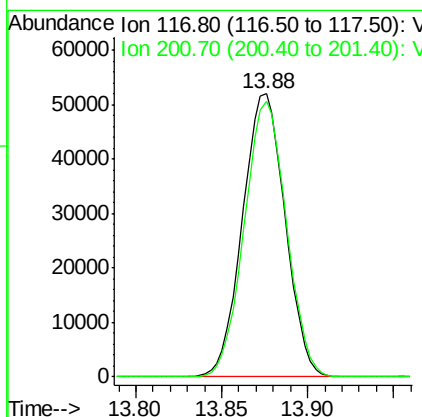
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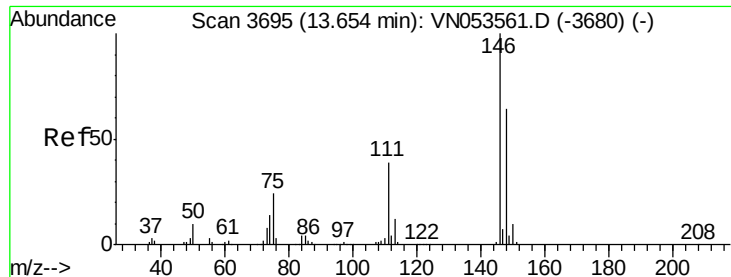
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#90
Hexachloroethane
Concen: 19.695 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.1	46.8	140.4





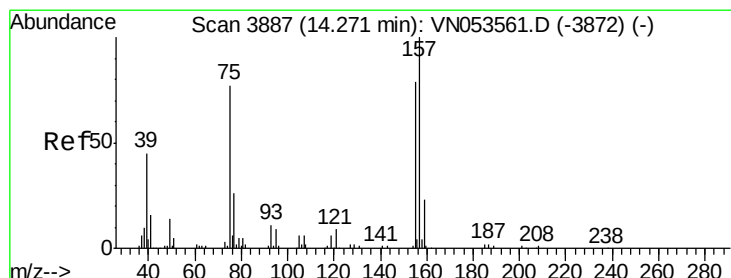
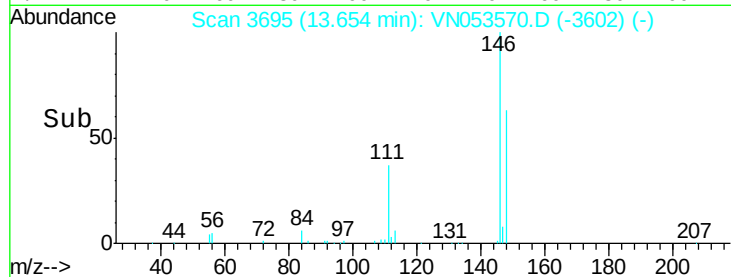
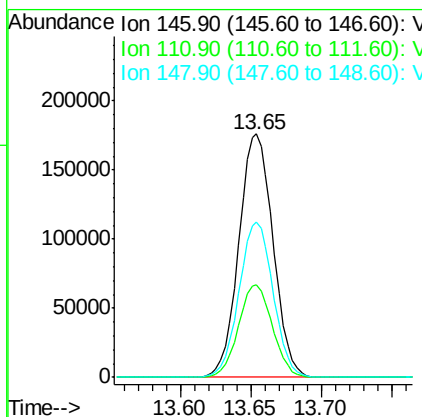
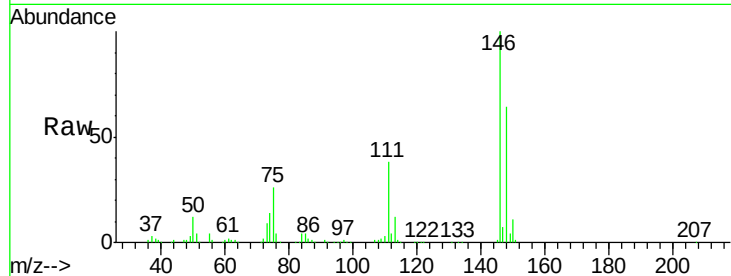
#91
 1,2-Dichlorobenzene
 Concen: 20.468 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.5	58.5
148	63.6	31.9	95.9

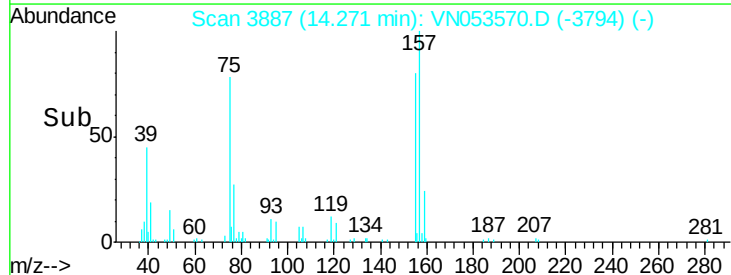
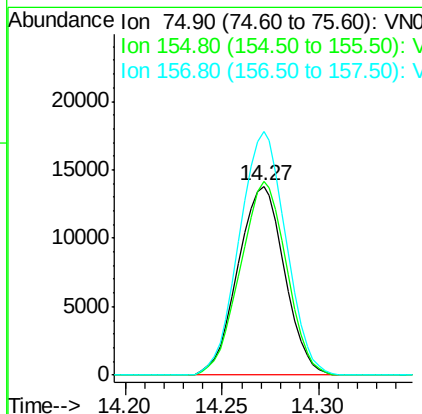
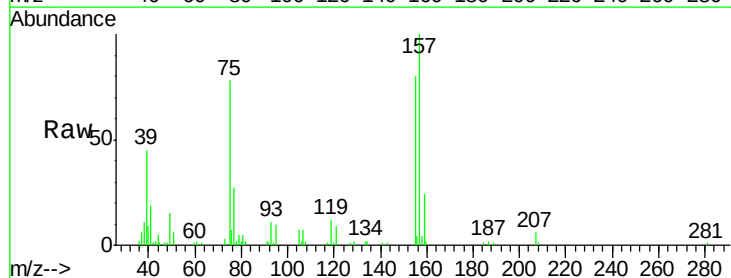
Manual Integrations
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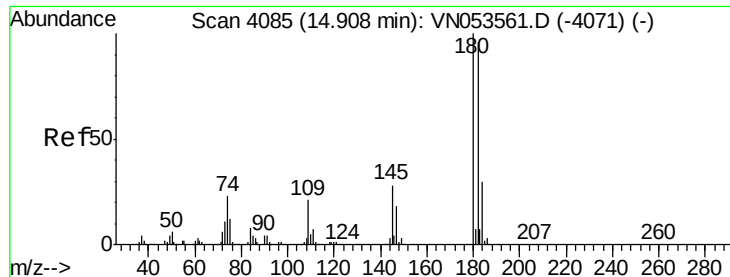
MMDadoda
 2/1/2019 9:18:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.467 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.8	48.9	146.7
157	129.4	63.7	191.3





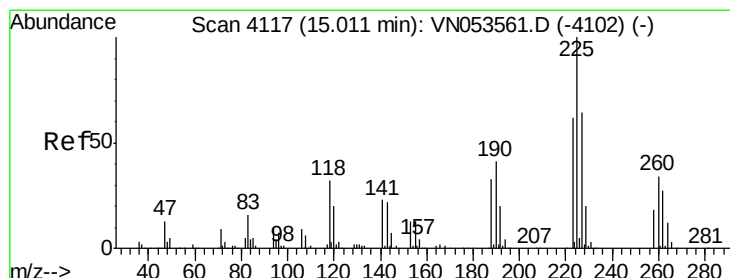
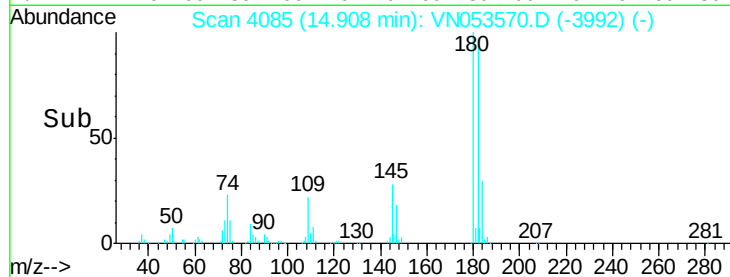
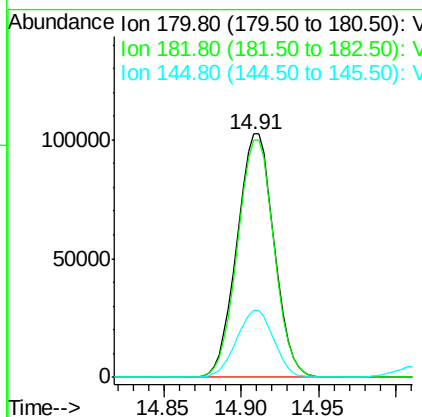
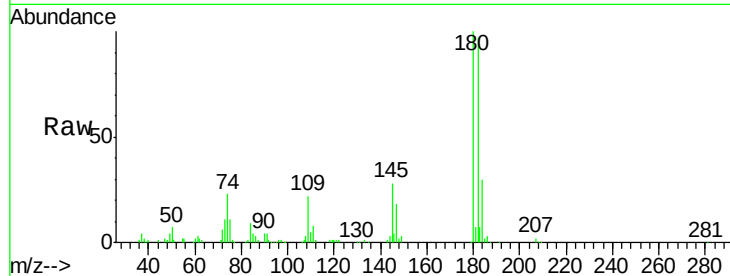
#93
 1,2,4-Trichlorobenzene
 Concen: 20.369 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	170717		
182	96.3	48.1	144.3	
145	27.7	13.9	41.6	

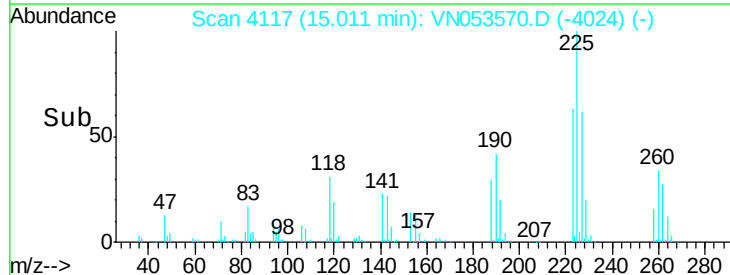
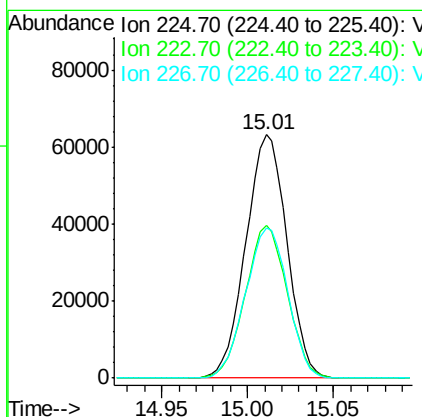
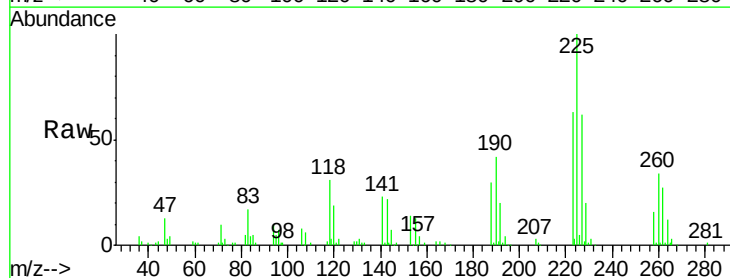
Manual Integrations
 APPROVED

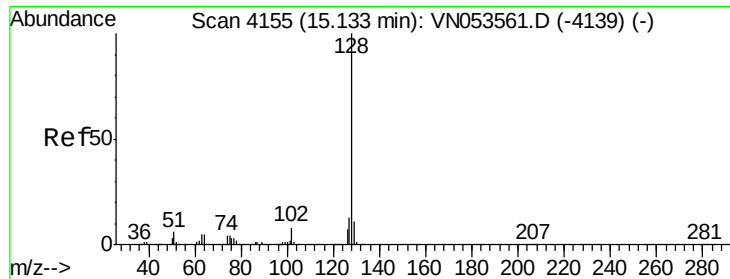
MMDadoda
 2/1/2019 9:18:54 AM



#94
 Hexachlorobutadiene
 Concen: 20.102 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104920		
223	63.6	31.1	93.2	
227	63.5	32.0	96.2	





#95

Naphthalene

Concen: 20.173 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

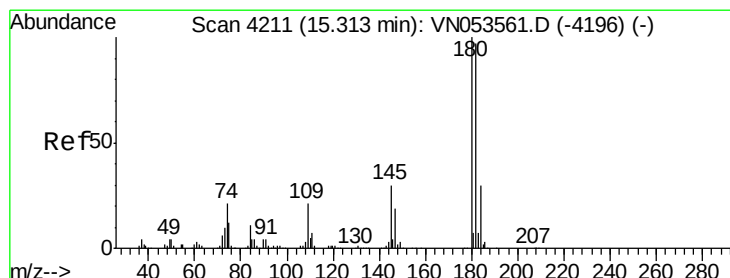
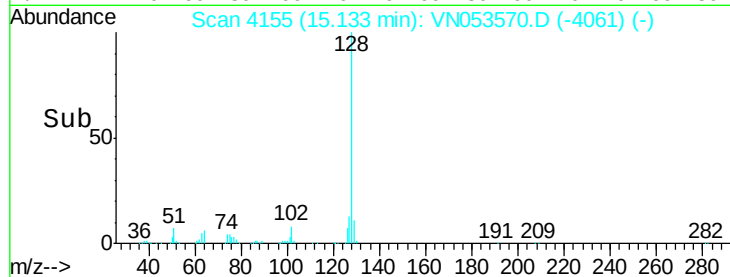
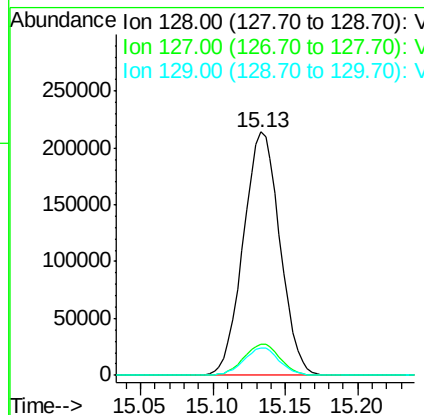
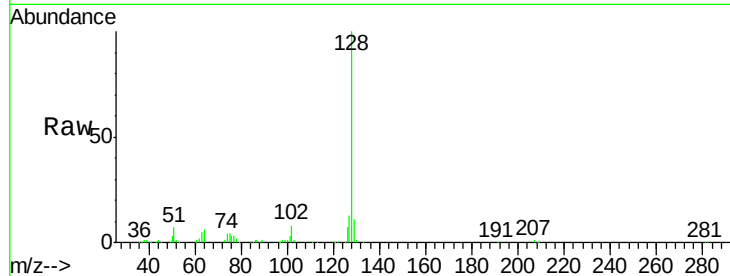
ClientSampleId :

VN0130WBSD01

Tgt Ion:	128	Resp:	376036
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/1/2019 9:18:54 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.093 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion:	180	Resp:	164030
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.8
145	28.4	14.7	44.1

