

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053612.D
 Acq On : 5 Feb 2019 11:49
 Operator : JC/SP
 Sample : VN0205WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:46:55 PM

Quant Time: Feb 06 03:50:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	736065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1088664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	945814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	453003	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	352039	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	7.59	113	341586	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.09	98	1265157	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	424754	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	153727	18.738	ug/l	100
3) Chloromethane	2.06	50	155981	17.850	ug/l	98
4) Vinyl Chloride	2.19	62	158625	18.699	ug/l	100
5) Bromomethane	2.57	94	104760	18.888	ug/l	98
6) Chloroethane	2.71	64	89245	18.410	ug/l	97
7) Trichlorofluoromethane	3.02	101	215948	18.772	ug/l	98
8) Diethyl Ether	3.41	74	74835	17.813	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135178	19.001	ug/l	97
10) Methyl Iodide	3.95	142	192578	17.246	ug/l	99
11) Tert butyl alcohol	4.78	59	38531	88.169	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	125440	18.403	ug/l	97
13) Acrolein	3.61	56	15242	64.060	ug/l	99
14) Allyl chloride	4.33	41	198230	18.265	ug/l	99
15) Acrylonitrile	4.99	53	218348	92.551	ug/l	99
16) Acetone	3.82	43	163551	86.350	ug/l	96
17) Carbon Disulfide	4.06	76	364192	17.159	ug/l	100
18) Methyl Acetate	4.33	43	103947	18.531	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	326602	18.901	ug/l	97
20) Methylene Chloride	4.55	84	143075	18.005	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	133902	18.209	ug/l	95
22) Diisopropyl ether	5.95	45	371834	18.491	ug/l	95
23) Vinyl Acetate	5.90	43	1276028	91.726	ug/l	99
24) 1,1-Dichloroethane	5.85	63	247330	18.440	ug/l	99
25) 2-Butanone	6.84	43	236385	87.507	ug/l	99
26) 2,2-Dichloropropane	6.82	77	185723	18.139	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	151833	18.568	ug/l	99
28) Bromochloromethane	7.20	49	106945	18.374	ug/l	96
29) Tetrahydrofuran	7.21	42	156942	90.477	ug/l	99
30) Chloroform	7.37	83	244720	18.406	ug/l	98
31) Cyclohexane	7.65	56	228137	18.161	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	202346	18.287	ug/l	100
36) 1,1-Dichloropropene	7.79	75	190817	19.444	ug/l	99
37) Ethyl Acetate	6.93	43	104311	19.032	ug/l	98
38) Carbon Tetrachloride	7.77	117	180267	18.234	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	222579	19.117	ug/l	99
40) Benzene	8.04	78	560817	18.532	ug/l	99
41) Methacrylonitrile	7.17	41	57931	18.911	ug/l	89
42) 1,2-Dichloroethane	8.13	62	162440	18.078	ug/l	100
43) Isopropyl Acetate	8.16	43	179926	16.998	ug/l	98
44) Trichloroethene	8.84	130	152522	17.703	ug/l	96
45) 1,2-Dichloropropane	9.12	63	148729	19.215	ug/l	96
46) Dibromomethane	9.21	93	86476	18.533	ug/l	99
47) Bromodichloromethane	9.40	83	179520	18.504	ug/l	98
48) Methyl methacrylate	9.20	41	84883	16.800	ug/l	89
49) 1,4-Dioxane	9.20	88	25100	368.532	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	477839	91.867	ug/l	99
52) Toluene	10.16	92	340964	18.984	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	177269	18.248	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	212356	18.447	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	121744	18.811	ug/l	98
56) Ethyl methacrylate	10.43	69	140494	18.350	ug/l	98
57) 1,3-Dichloropropane	10.71	76	206358	18.656	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	403016	90.166	ug/l	100
59) 2-Hexanone	10.75	43	309419	87.627	ug/l	100
60) Dibromochloromethane	10.90	129	135567	18.575	ug/l	100
61) 1,2-Dibromoethane	11.01	107	116110	18.126	ug/l	100
64) Tetrachloroethene	10.63	164	152635	18.826	ug/l	97
65) Chlorobenzene	11.43	112	375389	18.685	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	133454	19.021	ug/l	98
67) Ethyl Benzene	11.51	91	628990	19.059	ug/l	100
68) m/p-Xylenes	11.62	106	494124	39.230	ug/l	99
69) o-Xylene	11.95	106	235662	19.367	ug/l	100
70) Styrene	11.96	104	379278	19.230	ug/l	99
71) Bromoform	12.13	173	90062	18.723	ug/l #	99
73) Isopropylbenzene	12.25	105	629806	19.777	ug/l	100
74) N-amyl acetate	12.07	43	137148	17.910	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	138877	18.222	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	115021m	19.768	ug/l	
77) Bromobenzene	12.53	156	163581	19.060	ug/l	99
78) n-propylbenzene	12.59	91	723285	19.647	ug/l	100
79) 2-Chlorotoluene	12.67	91	424279	19.426	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	537275	20.345	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35679	17.243	ug/l	97
82) 4-Chlorotoluene	12.77	91	436885	19.494	ug/l	100
83) tert-Butylbenzene	12.99	119	470622	20.164	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	538371	20.010	ug/l	98
85) sec-Butylbenzene	13.17	105	645728	20.331	ug/l	100
86) p-Isopropyltoluene	13.29	119	560558	20.180	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	292934	18.986	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286373	18.764	ug/l	100
89) n-Butylbenzene	13.62	91	474195	19.723	ug/l	99
90) Hexachloroethane	13.87	117	91707	20.015	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	278030	18.823	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19651	18.092	ug/l	97

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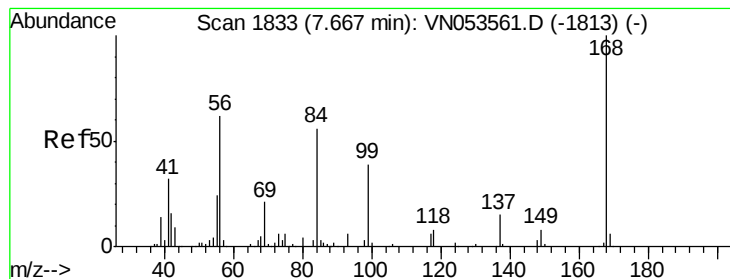
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	158562	18.718	ug/l	100
94) Hexachlorobutadiene	15.01	225	103093	19.542	ug/l	98
95) Naphthalene	15.13	128	317196	17.123	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	146512	18.640	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: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBS01

Tot Ion:168 Resp: 736065

Ion Ratio Lower Upper

168 100

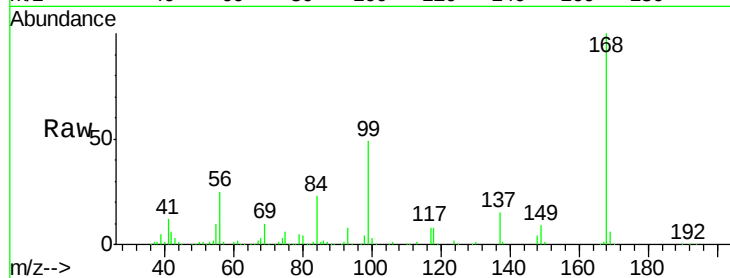
99 49.0 39.1 58.7

Manual Integrations

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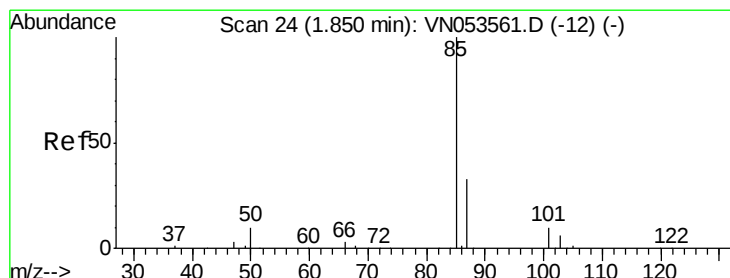
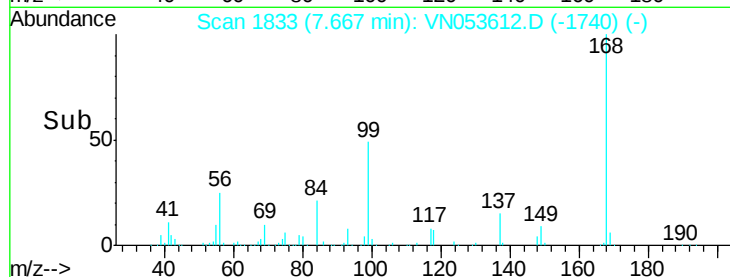
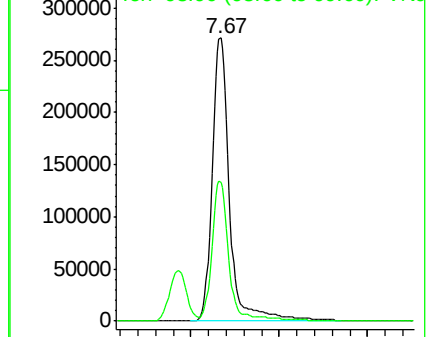
MMDadoda

2/6/2019 12:46:55 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.738 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053612.D

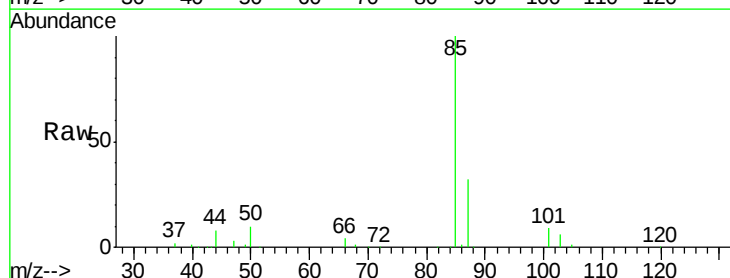
Acq: 5 Feb 2019 11:49

Tgt Ion: 85 Resp: 153727

Ion Ratio Lower Upper

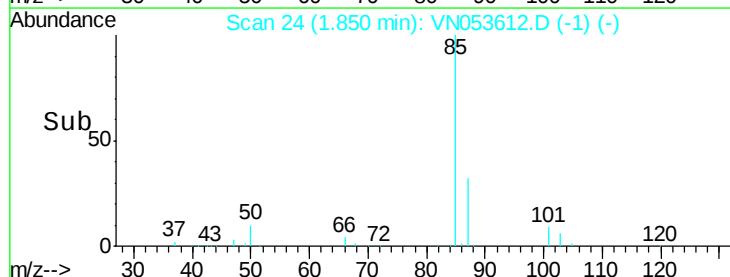
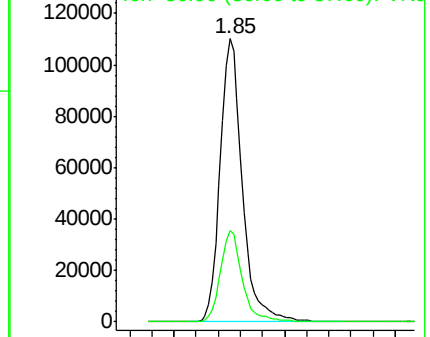
85 100

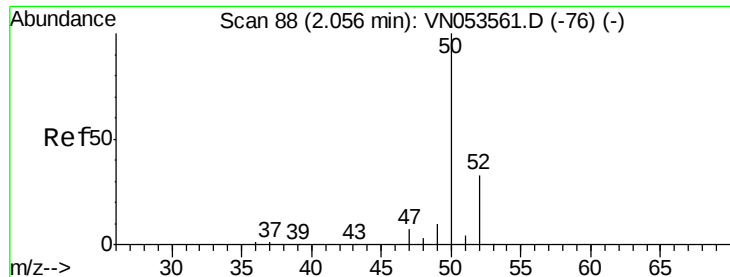
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.850 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBS01

Tot Ion: 50 Resp: 155981

Ion Ratio Lower Upper

50 100

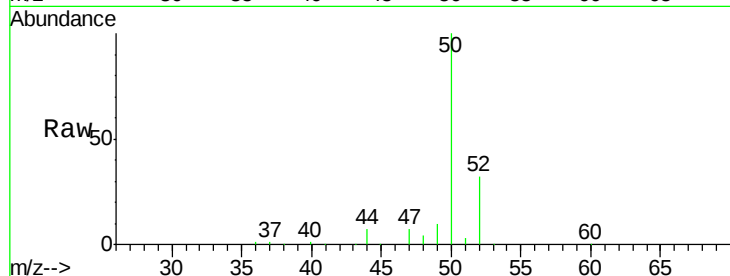
52 32.4 26.6 40.0

Manual Integrations

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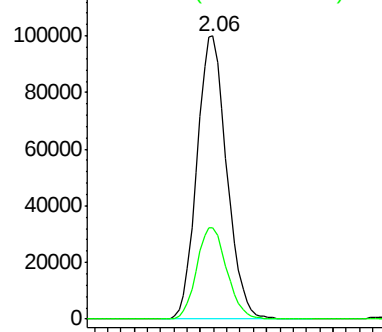
MMDadoda

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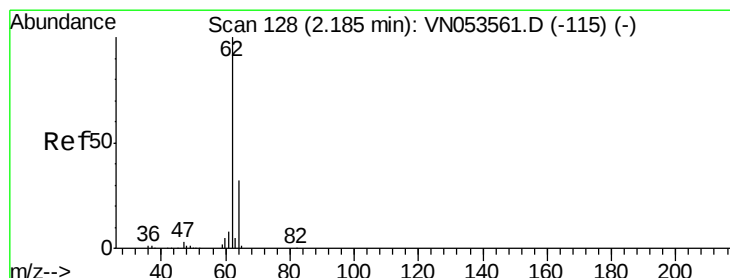
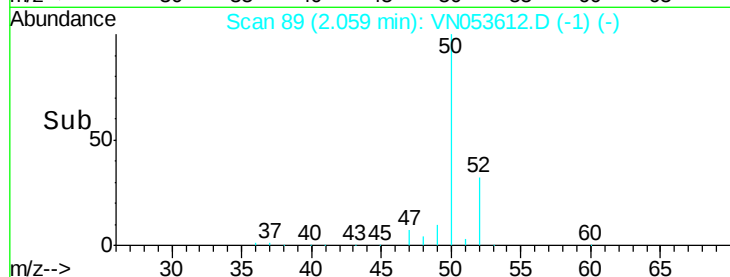


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 18.699 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053612.D

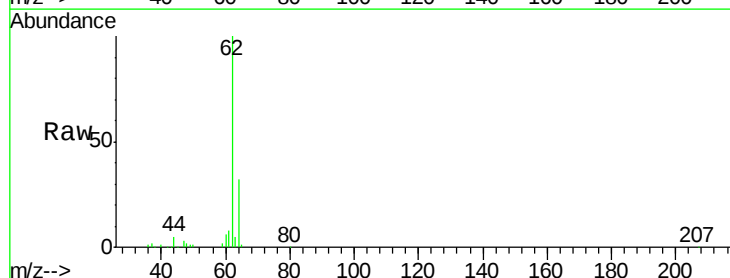
Acq: 5 Feb 2019 11:49

Tgt Ion: 62 Resp: 158625

Ion Ratio Lower Upper

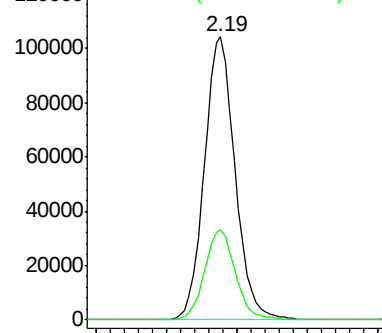
62 100

64 31.8 25.4 38.2

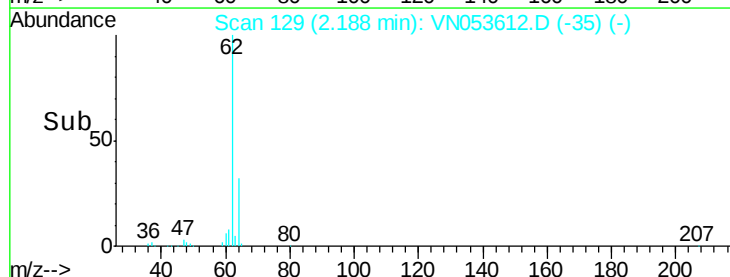


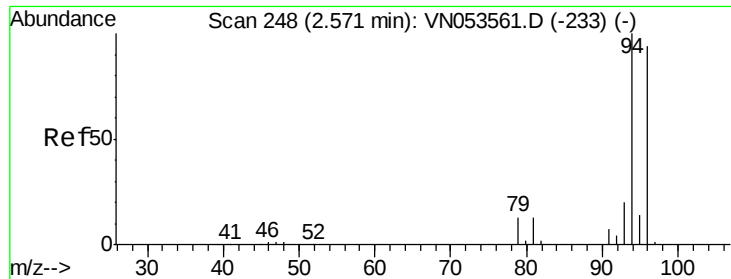
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 18.888 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

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ClientSampleId :

VN0205WBS01

Tot Ion: 94 Resp: 104760

Ion Ratio Lower Upper

94 100

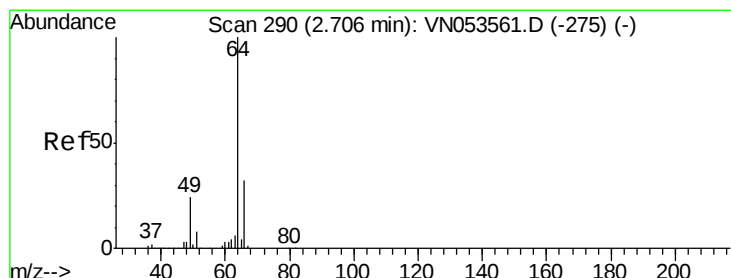
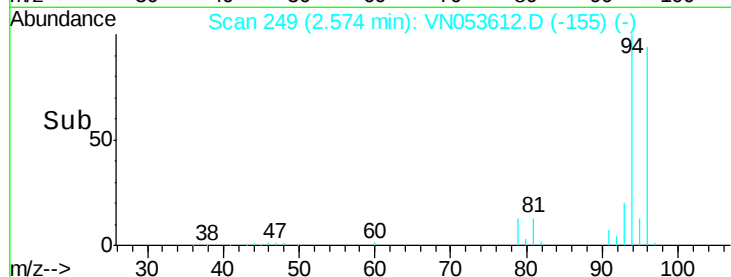
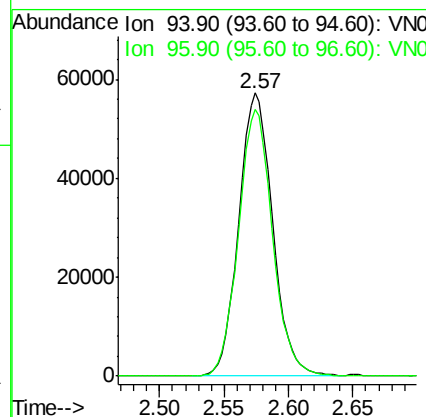
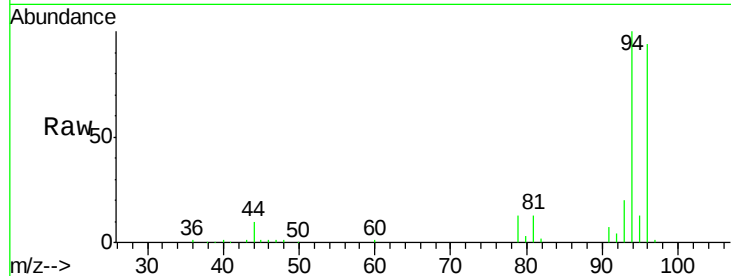
96 94.4 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 18.410 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053612.D

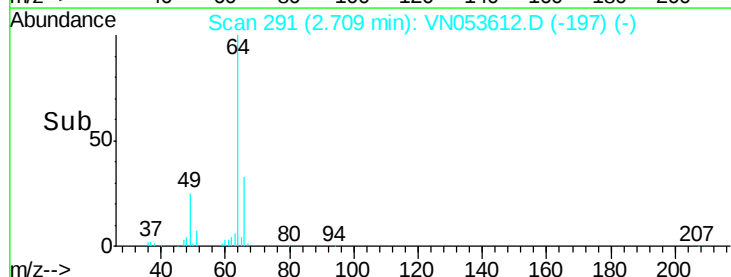
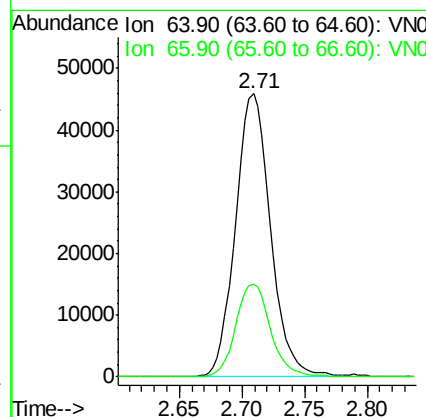
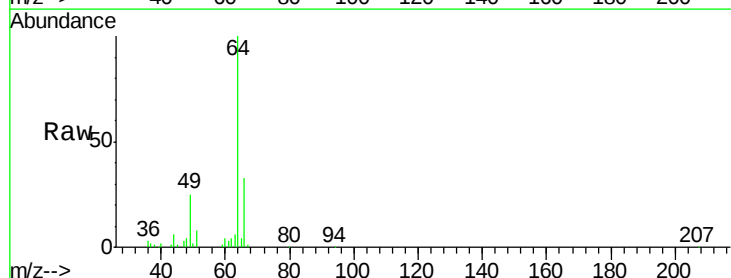
Acq: 5 Feb 2019 11:49

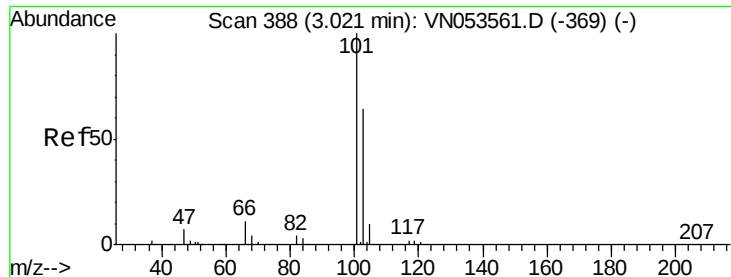
Tgt Ion: 64 Resp: 89245

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





#7

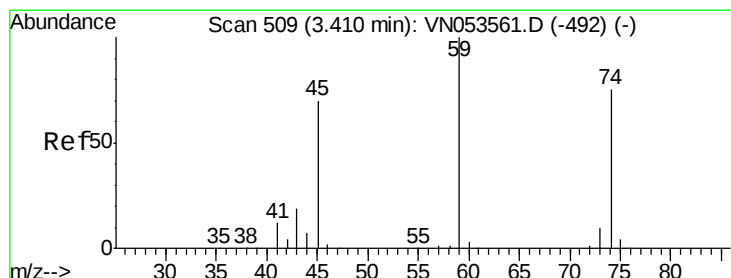
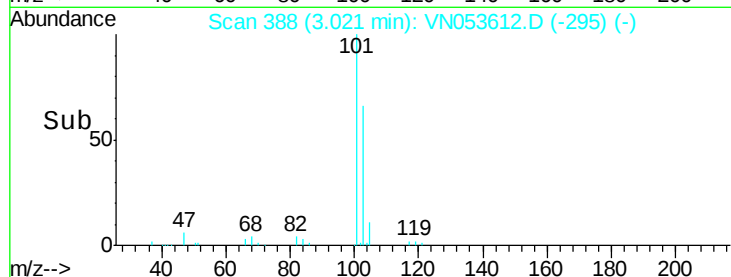
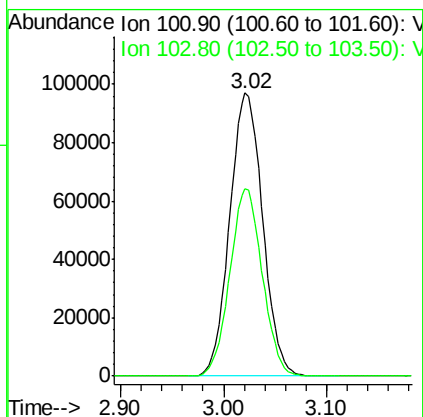
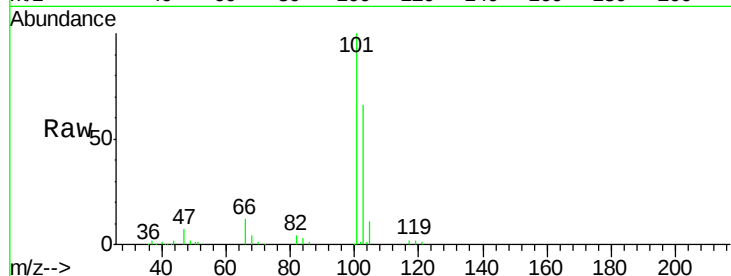
Trichlorofluoromethane
Concen: 18.772 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.6	77.4

Manual Integrations
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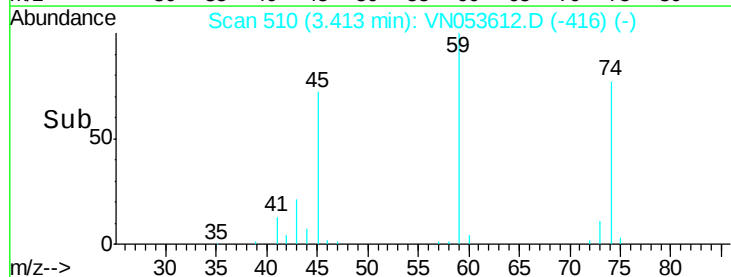
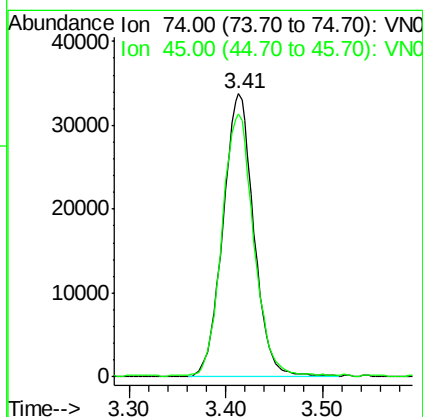
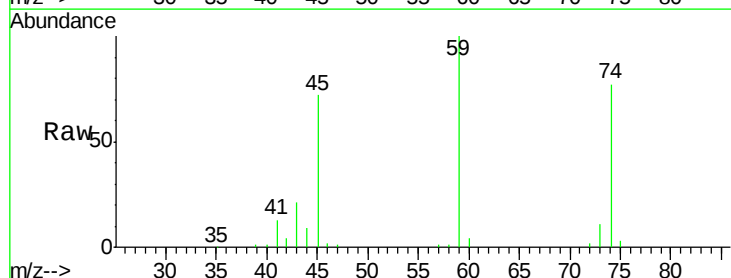
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2/6/2019 12:46:55 PM



#8

Diethyl Ether
Concen: 17.813 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.001 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

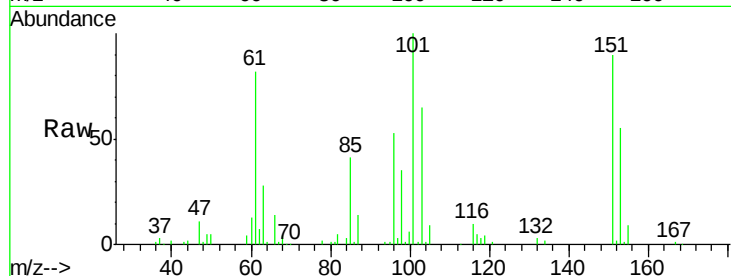
ClientSampleId :

VN0205WBS01

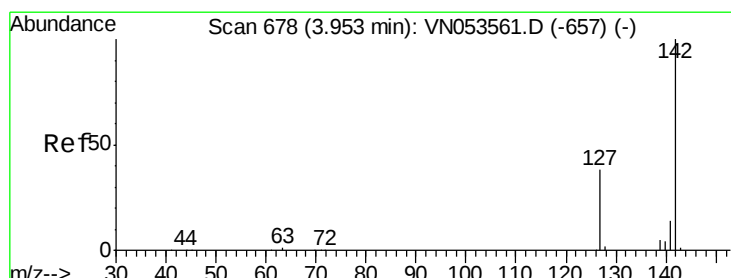
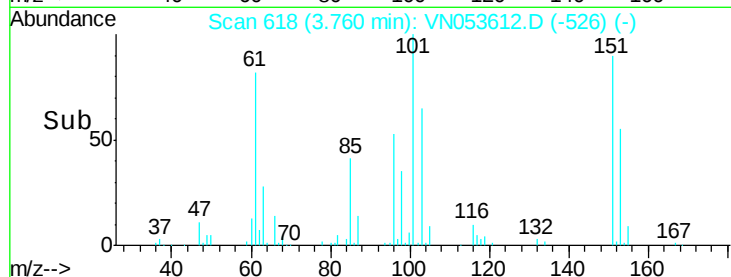
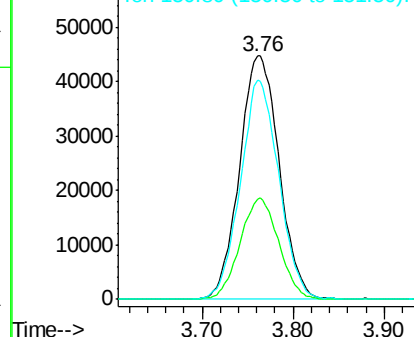
Tot Ion:	101	Resp:	135178
Ion Ratio	Lower	Upper	
101	100		
85	40.6	32.8	49.2
151	87.2	66.9	100.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.246 ug/l

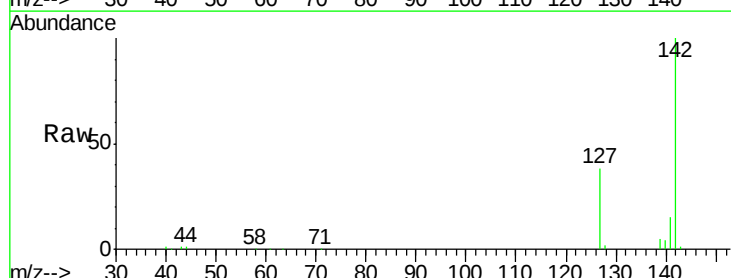
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

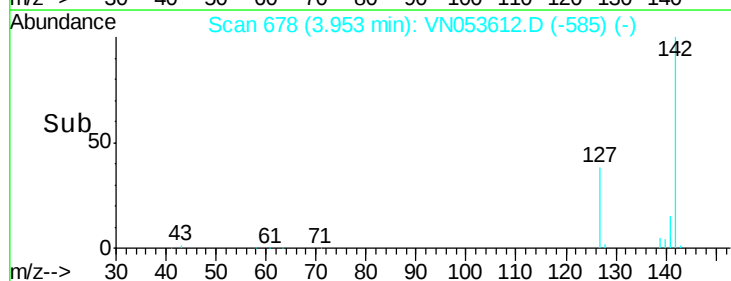
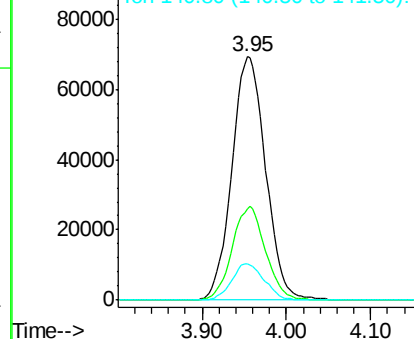
Lab File: VN053612.D

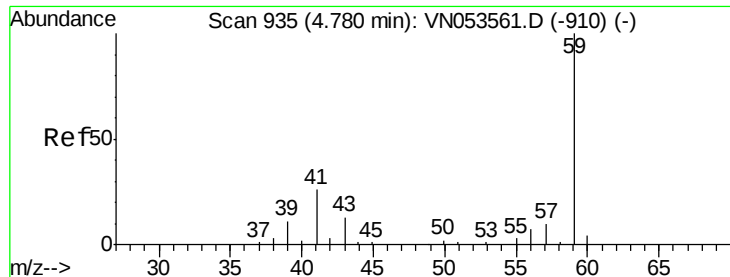
Acq: 5 Feb 2019 11:49

Tgt Ion:	142	Resp:	192578
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.4
141	14.4	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





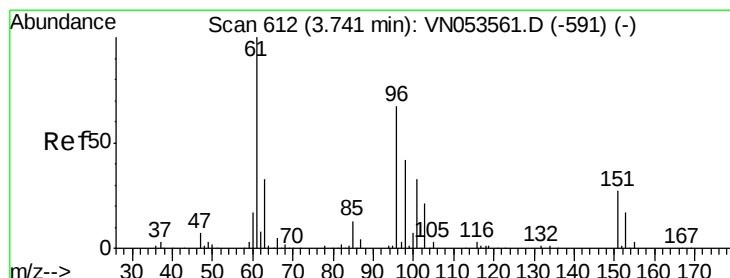
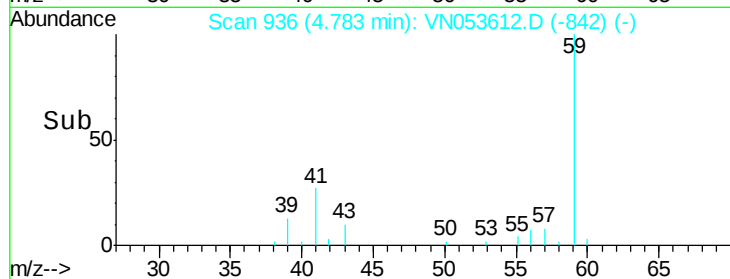
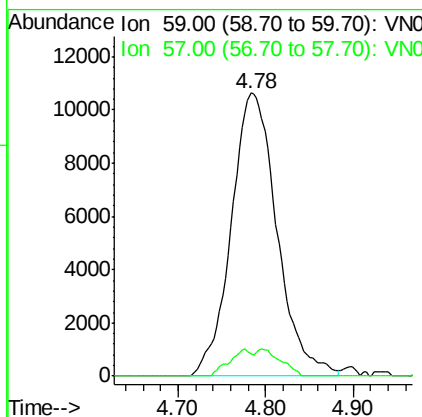
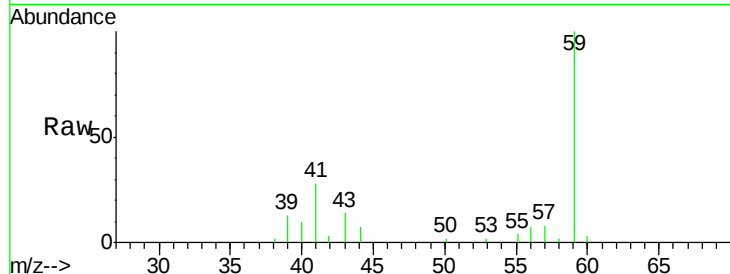
#11
Tert butyl alcohol
Concen: 88.169 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	38531		
57	4.8		8.2	12.4#

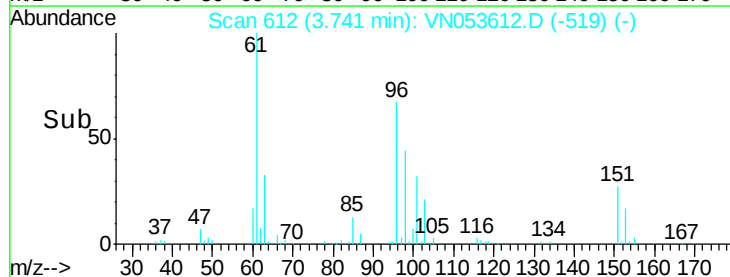
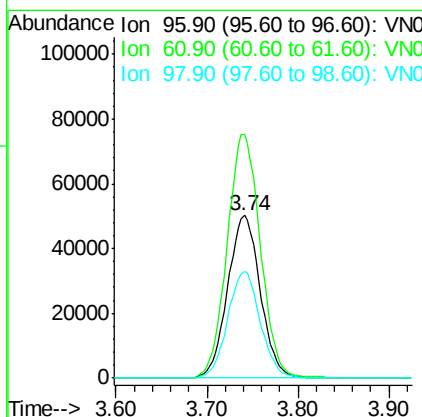
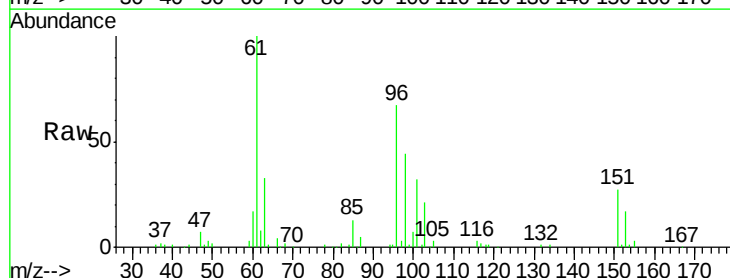
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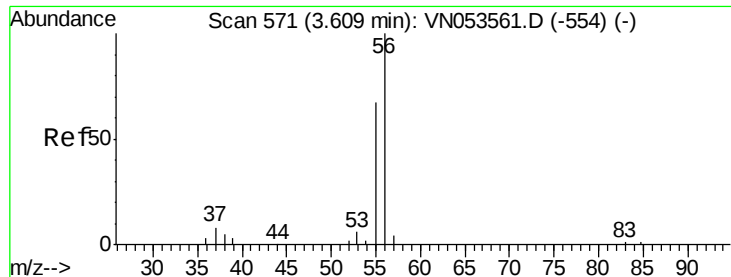
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.403 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	125440		
61	149.8		122.9	184.3
98	65.3		49.4	74.0





#13

Acrolein

Concen: 64.060 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBS01

Tot Ion: 56 Resp: 15242

Ion Ratio Lower Upper

56 100

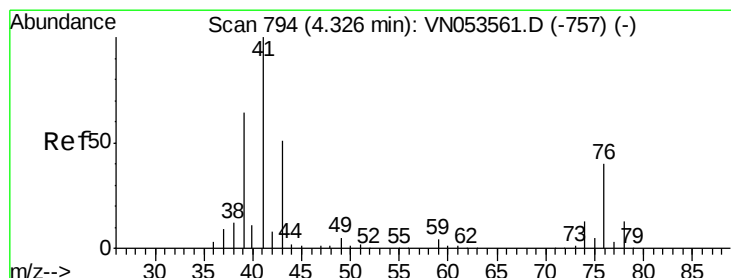
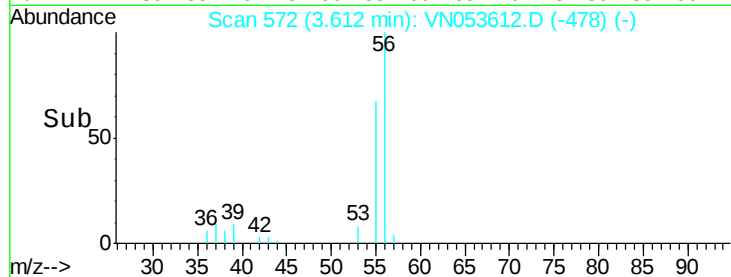
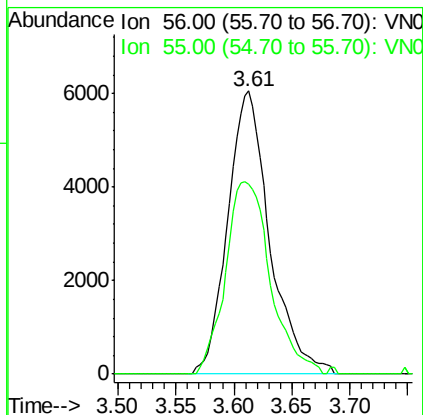
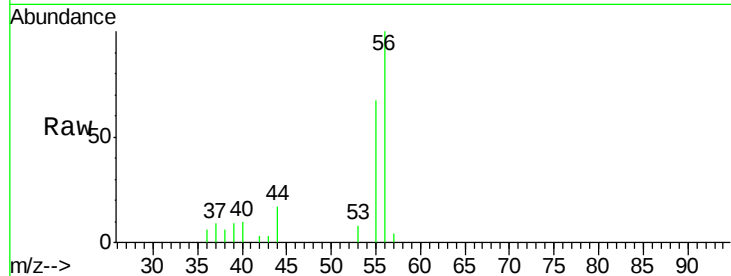
55 72.4 57.4 86.0

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#14

Allyl chloride

Concen: 18.265 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

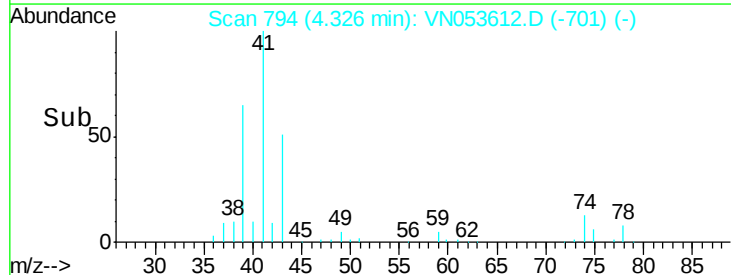
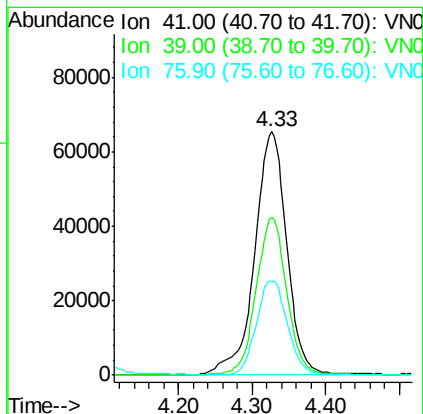
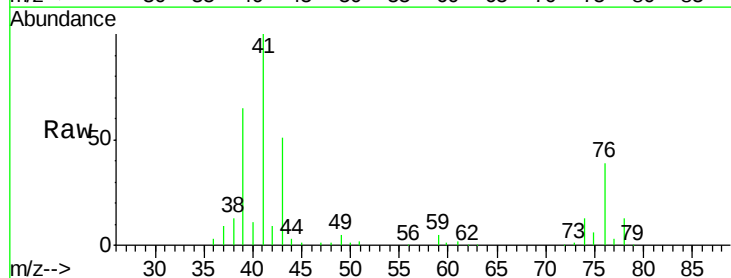
Tgt Ion: 41 Resp: 198230

Ion Ratio Lower Upper

41 100

39 62.1 48.9 73.3

76 36.9 29.4 44.2





#15

Acrylonitrile

Concen: 92.551 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

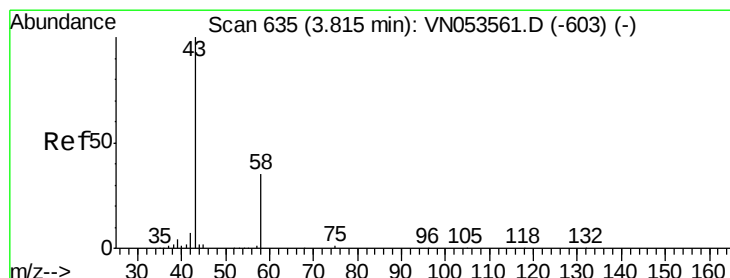
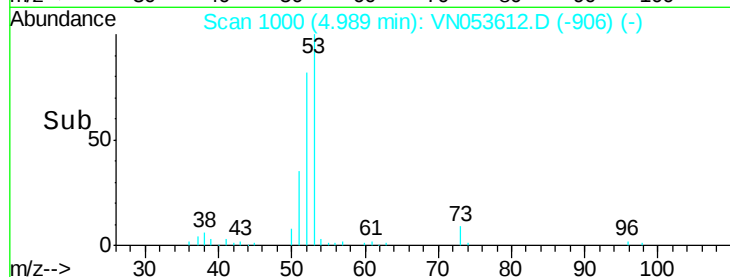
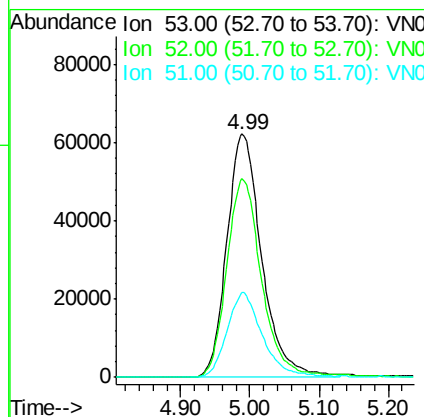
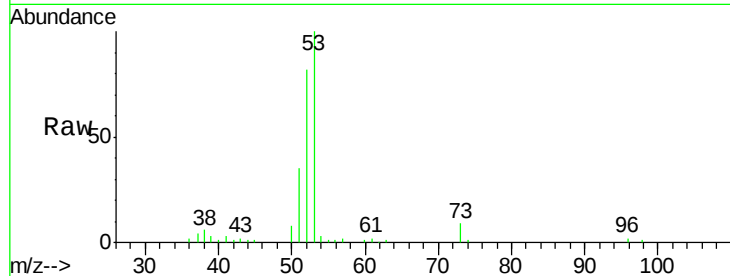
ClientSampled :

VN0205WBS01

Tot Ion:	53	Resp:	218348
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.0	99.0
51	35.3	28.3	42.5

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#16

Acetone

Concen: 86.350 ug/l

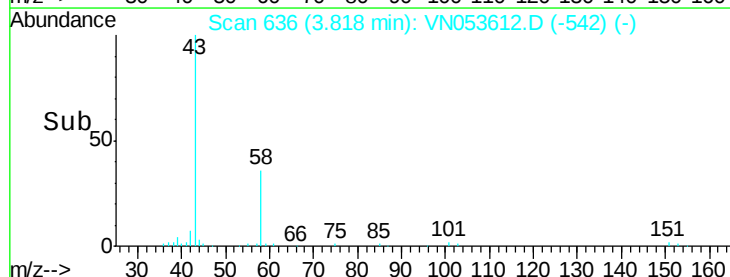
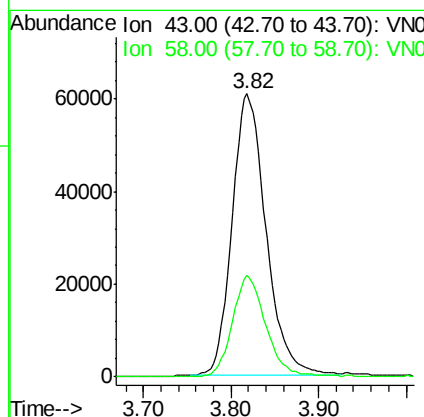
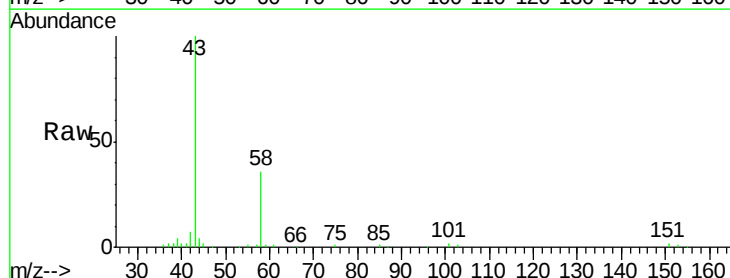
RT: 3.82 min Scan# 636

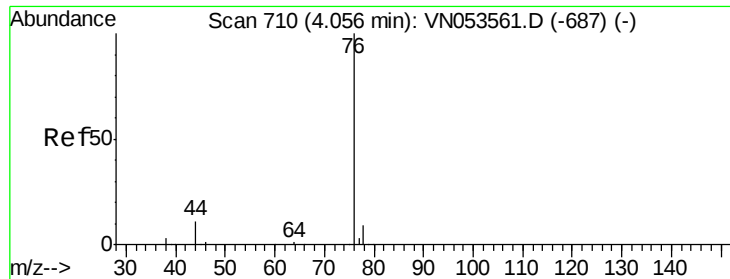
Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Tgt Ion:	43	Resp:	163551
Ion	Ratio	Lower	Upper
43	100		
58	36.3	27.1	40.7





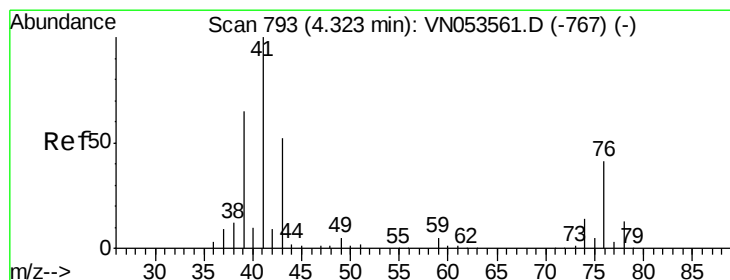
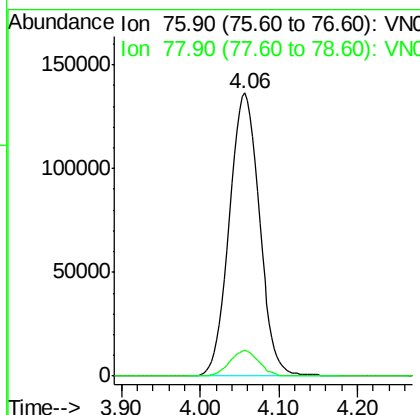
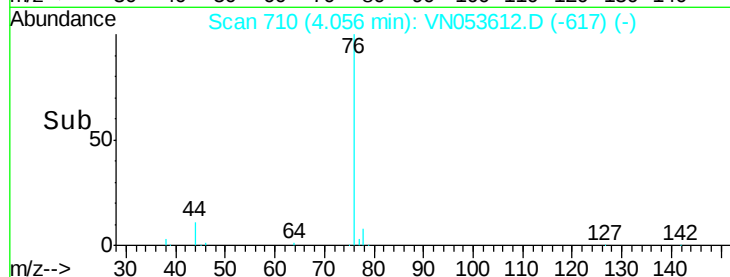
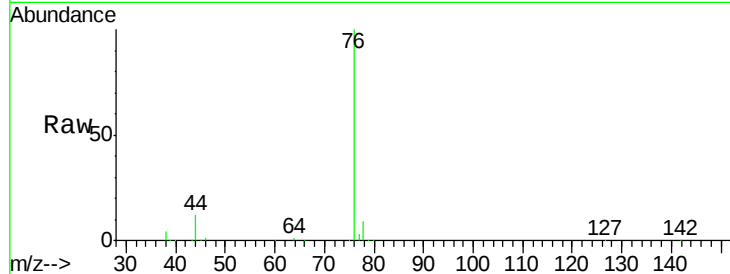
#17
Carbon Disulfide
Concen: 17.159 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBS01

Tot Ion	76	Resp	364192
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

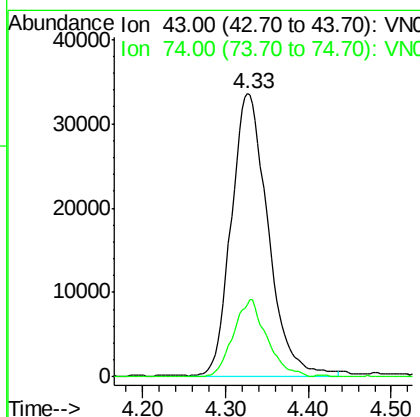
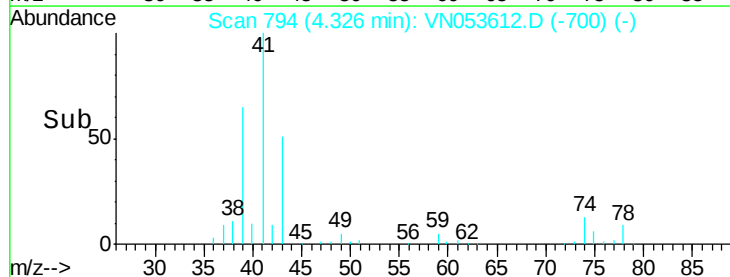
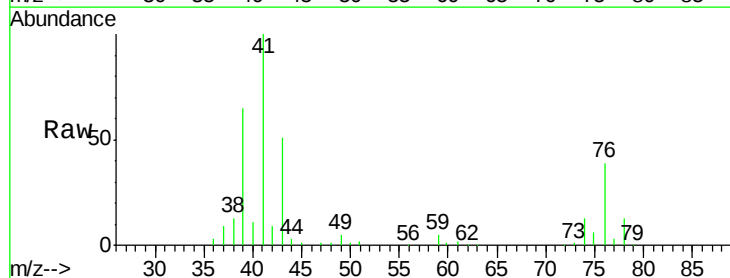
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#18
Methyl Acetate
Concen: 18.531 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	43	Resp	103947
Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.4	29.2





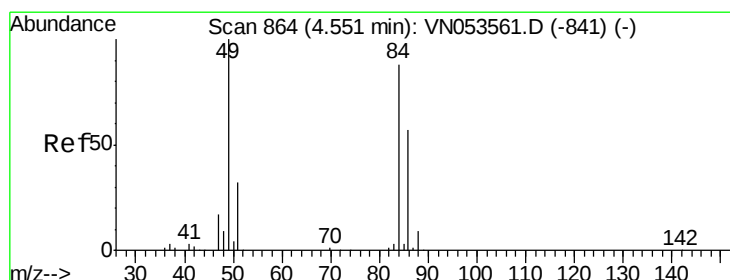
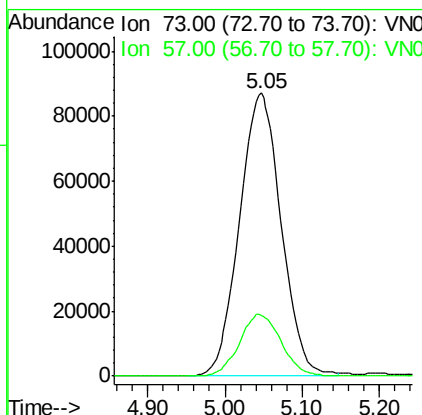
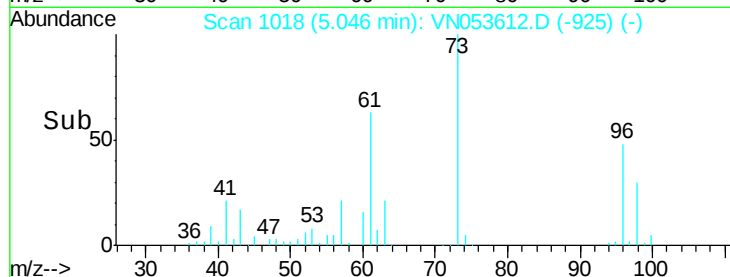
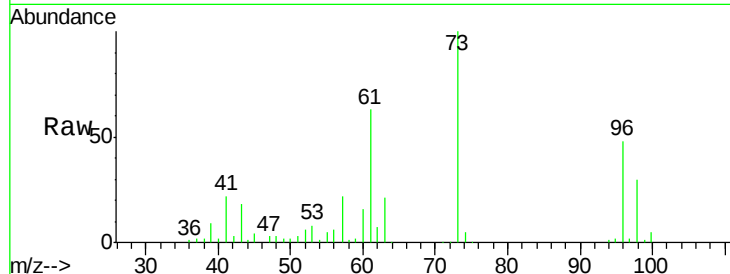
#19
Methvl tert-butvl Ether
Concen: 18.901 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBS01

Tot Ion: 73 Resp: 326602
Ion Ratio Lower Upper
73 100
57 21.6 18.3 27.5

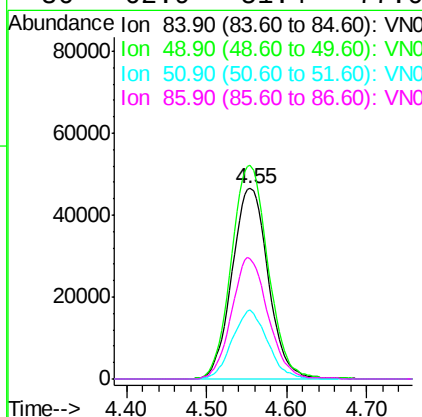
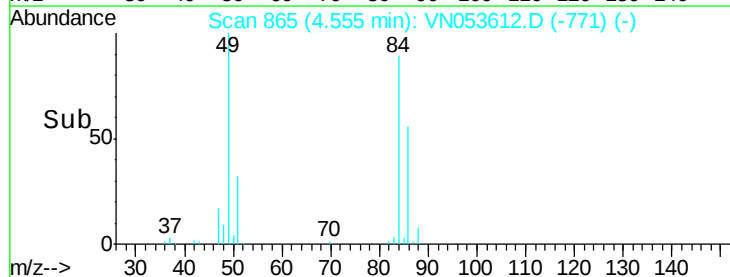
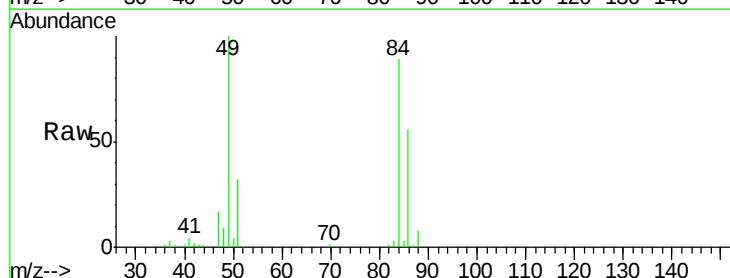
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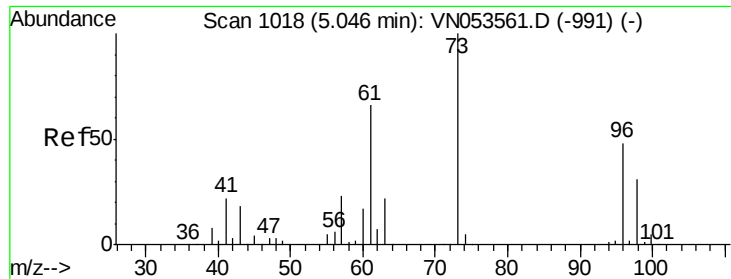
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#20
Methylene Chloride
Concen: 18.005 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion: 84 Resp: 143075
Ion Ratio Lower Upper
84 100
49 112.0 94.3 141.5
51 36.1 29.4 44.2
86 62.9 51.4 77.0





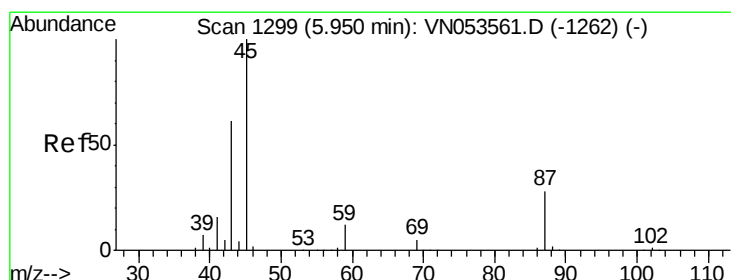
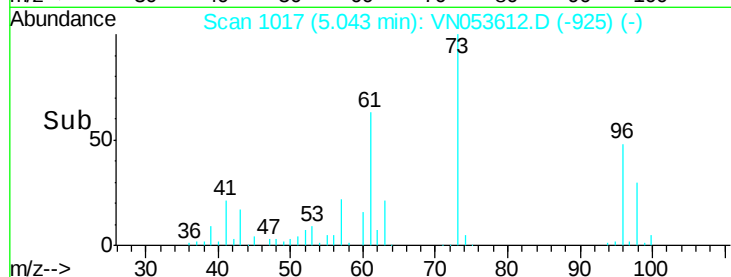
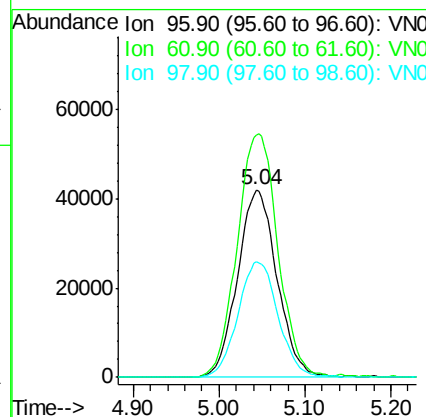
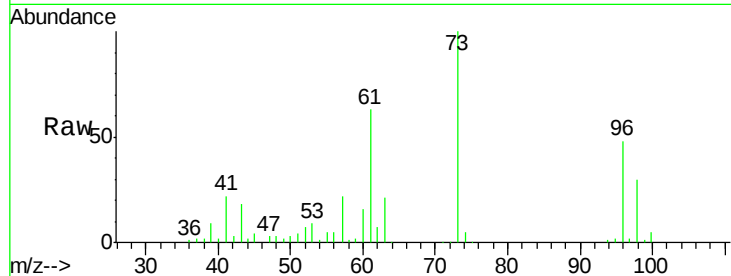
#21
trans-1,2-Dichloroethene
Concen: 18.209 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	110.1	165.1
98	62.0	50.0	75.0

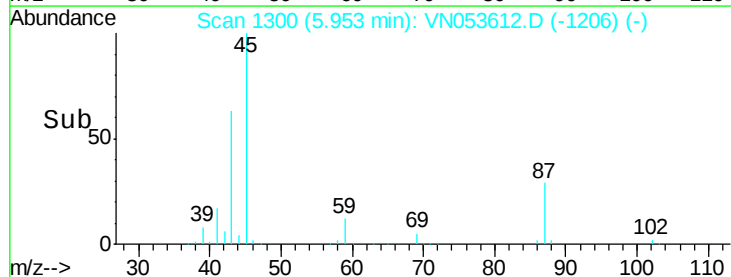
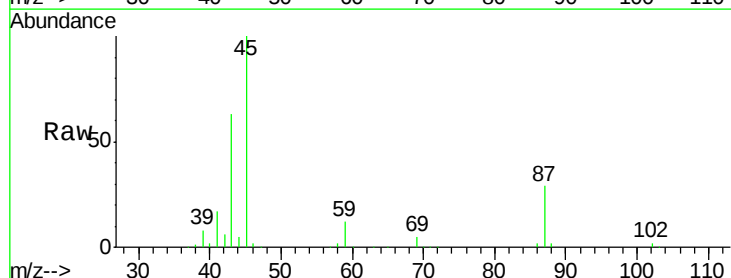
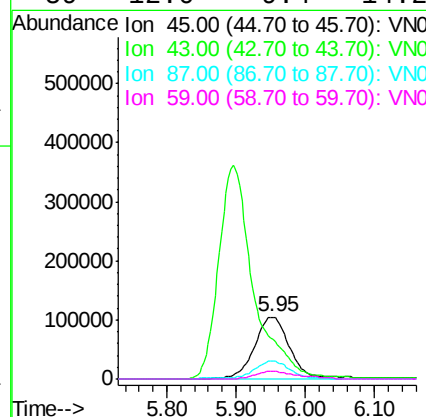
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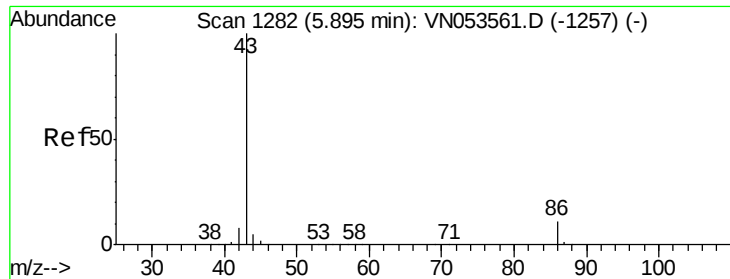
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#22
Diisopropyl ether
Concen: 18.491 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	44.2	66.4
87	28.7	22.7	34.1
59	12.0	9.4	14.2





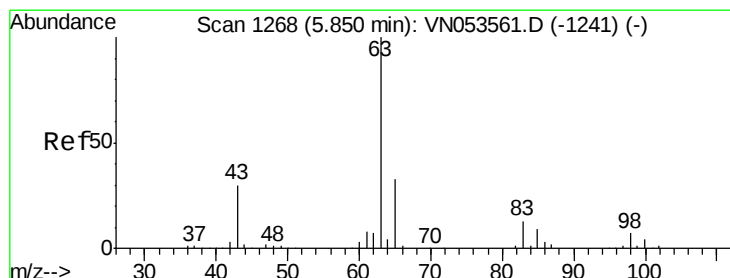
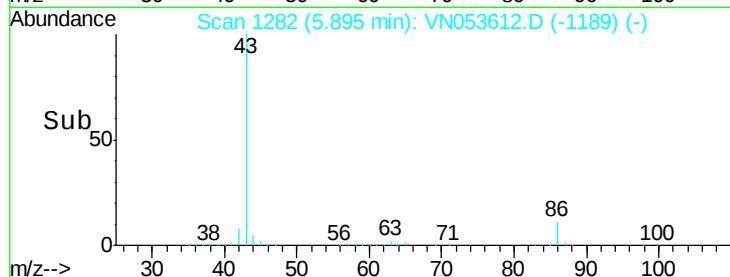
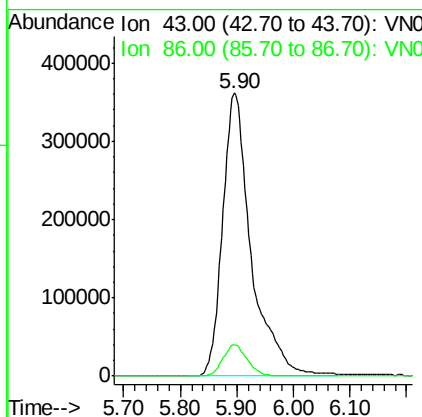
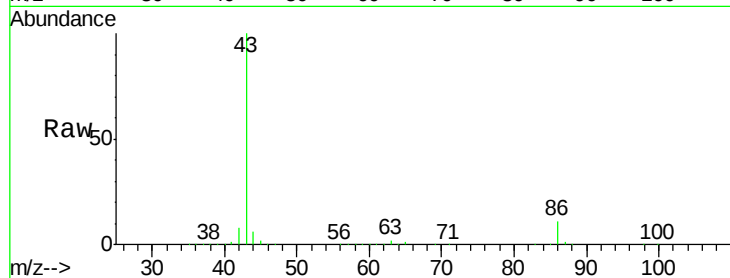
#23
 Vinyl Acetate
 Concen: 91.726 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBS01

Tot Ion: 43 Resp: 1276028
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.4 12.6

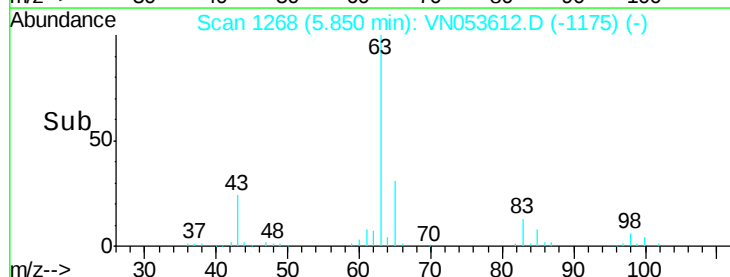
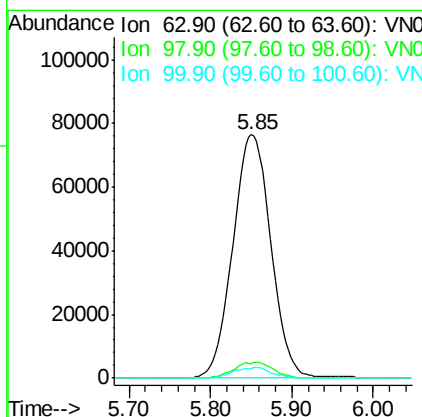
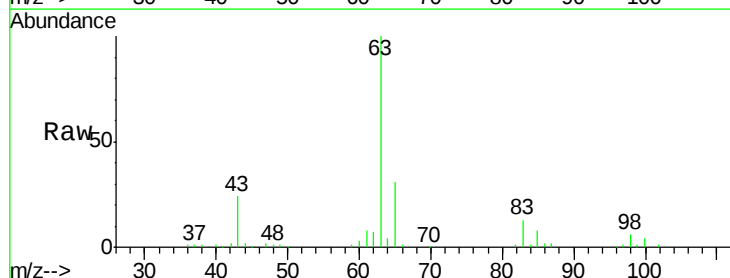
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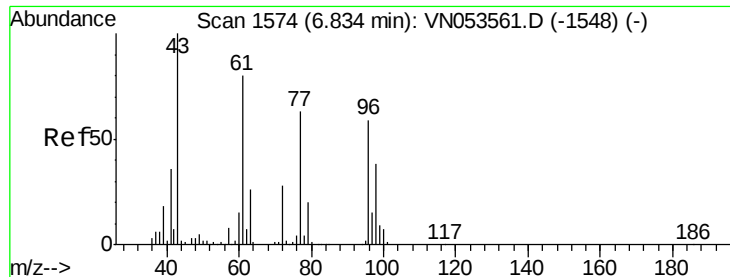
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#24
 1,1-Dichloroethane
 Concen: 18.440 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Tgt Ion: 63 Resp: 247330
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.3 9.9
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 87.507 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBS01

Tot Ion: 43 Resp: 236385

Ion Ratio Lower Upper

43 100

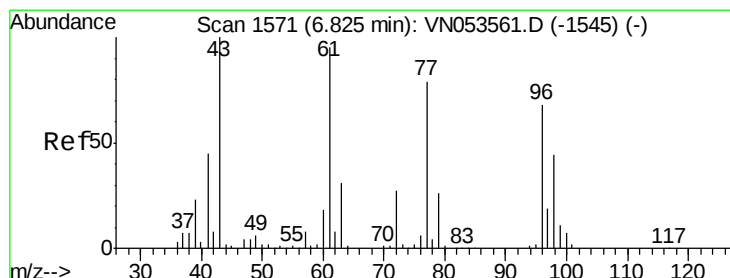
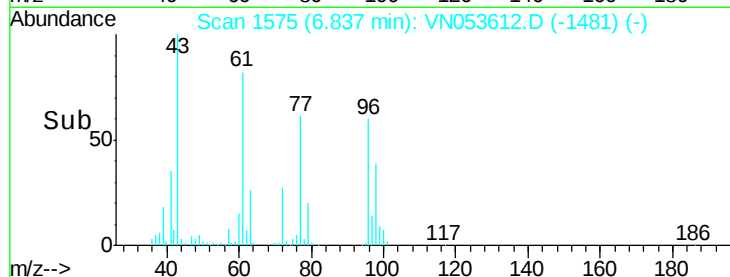
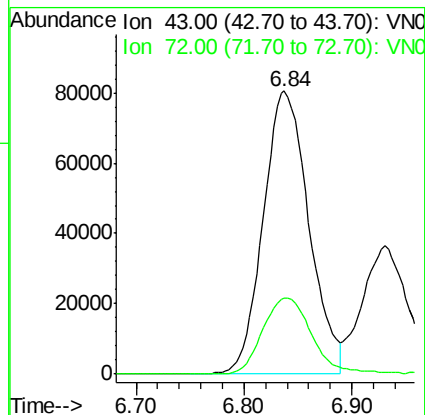
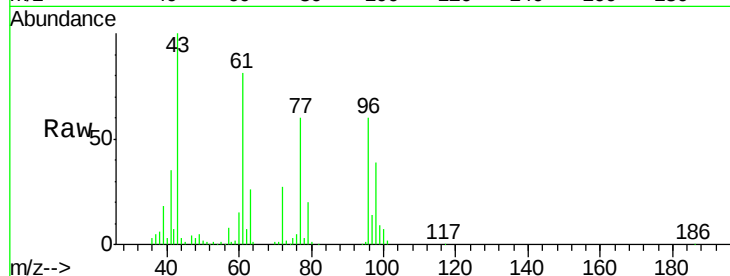
72 26.9 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.139 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053612.D

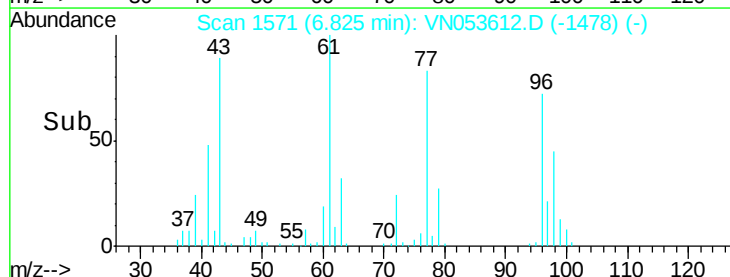
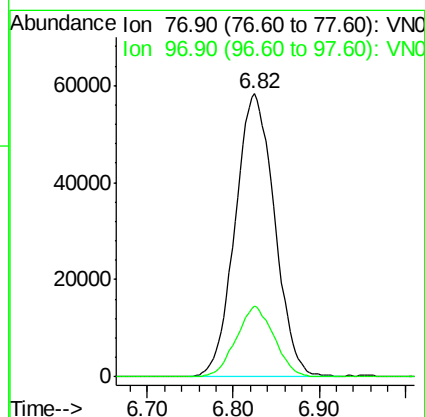
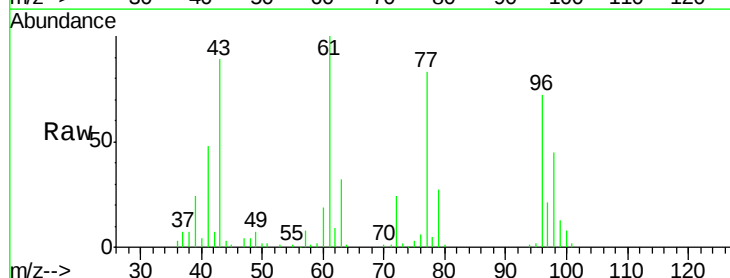
Acq: 5 Feb 2019 11:49

Tgt Ion: 77 Resp: 185723

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 18.568 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

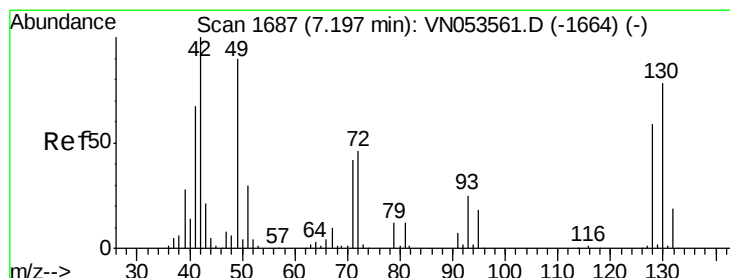
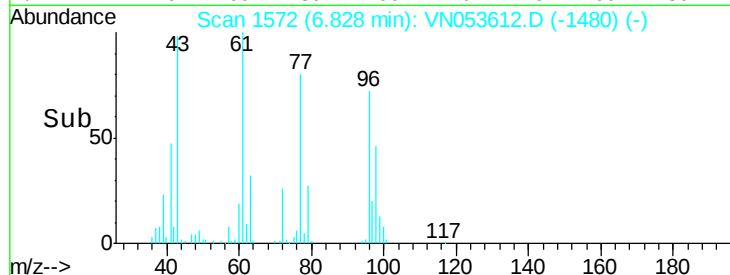
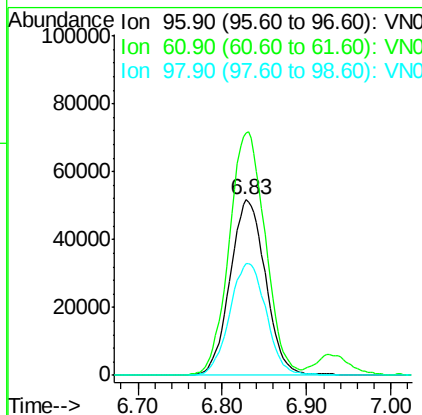
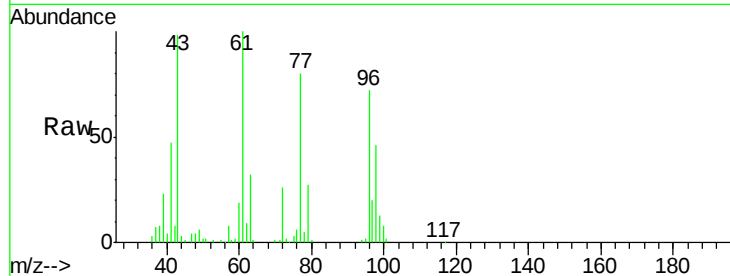
ClientSampleId :

VN0205WBS01

Tot Ion:	96	Resp:	151833
Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	283.8
98	65.5	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 18.374 ug/l

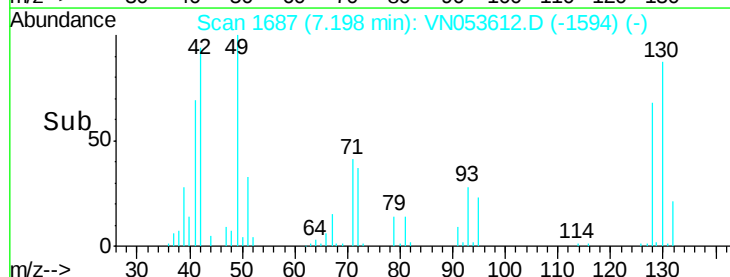
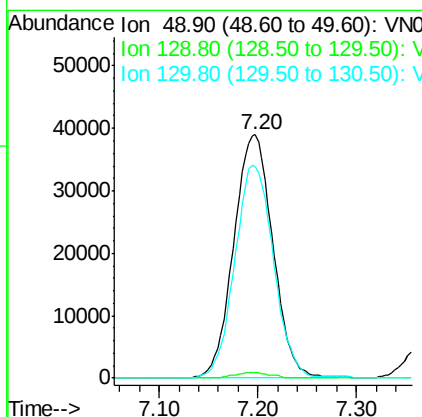
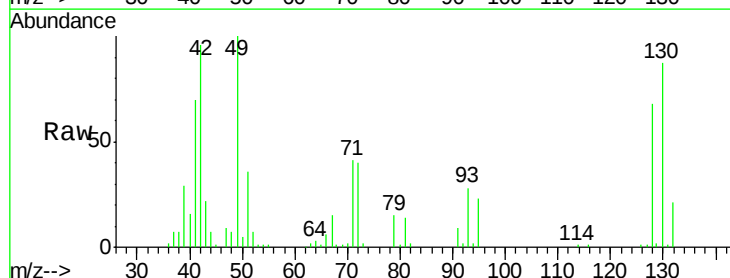
RT: 7.20 min Scan# 1687

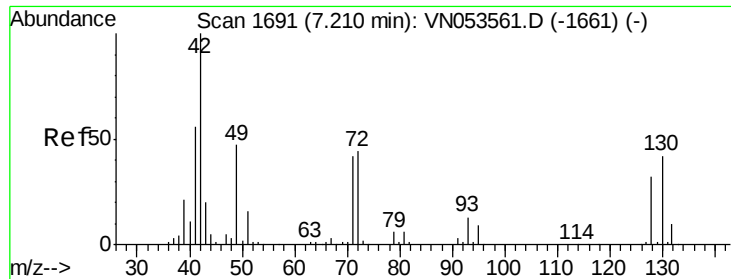
Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Tgt Ion:	49	Resp:	106945
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	86.7	66.3	99.5





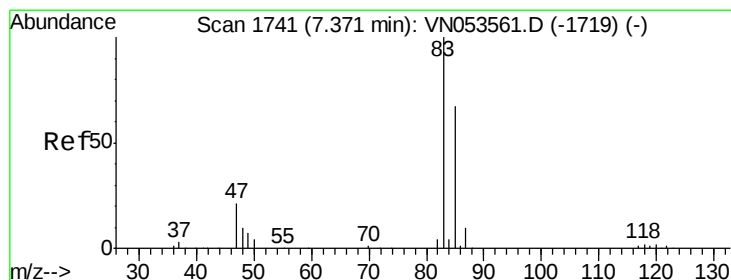
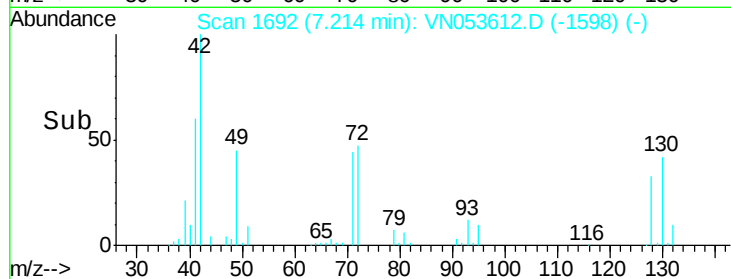
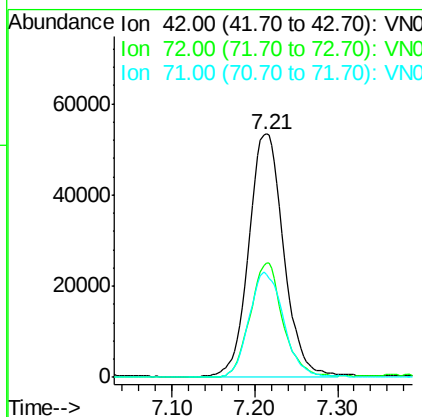
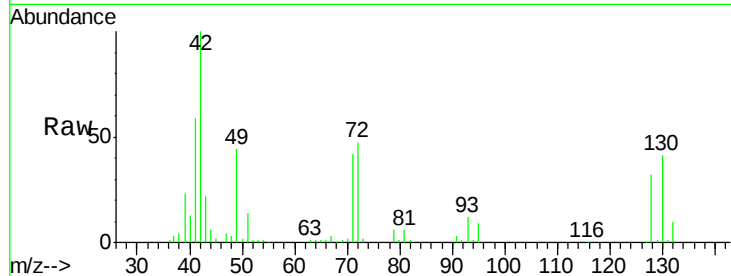
#29
Tetrahydrofuran
Concen: 90.477 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.2	52.8
71	42.7	33.0	49.4

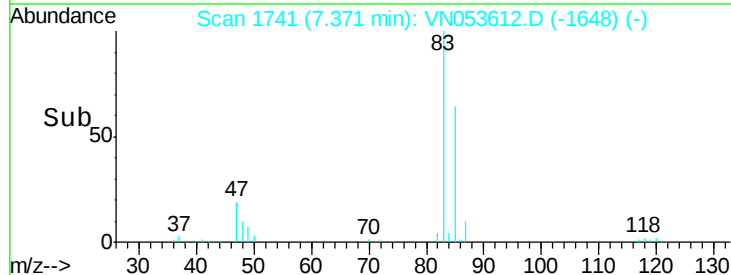
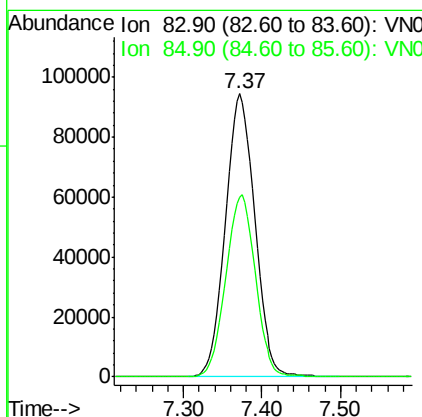
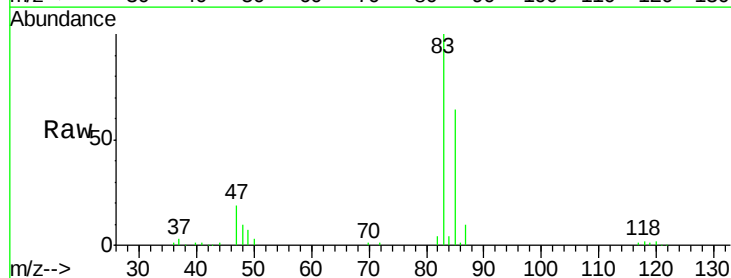
Manual Integrations
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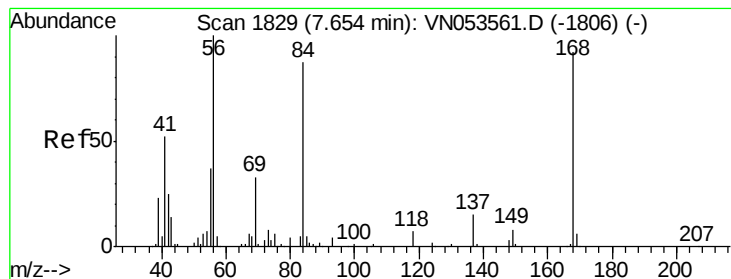
MMDadoda
2/6/2019 12:46:55 PM



#30
Chloroform
Concen: 18.406 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.2





#31

Cyclohexane

Concen: 18.161 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

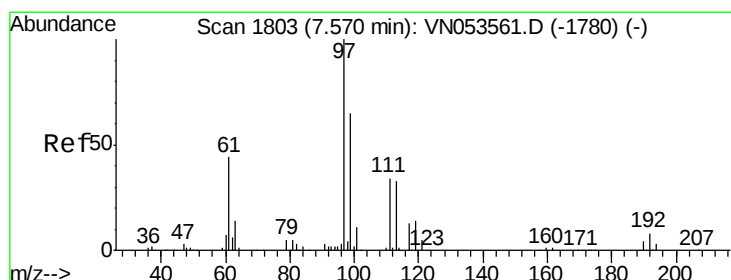
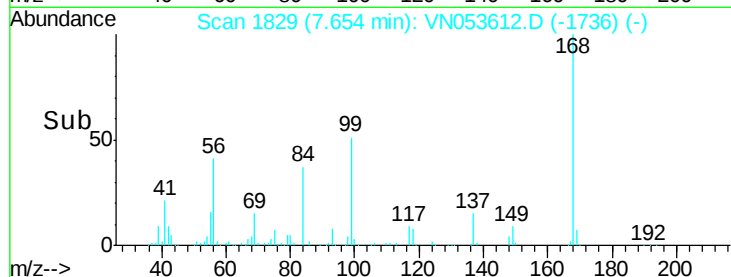
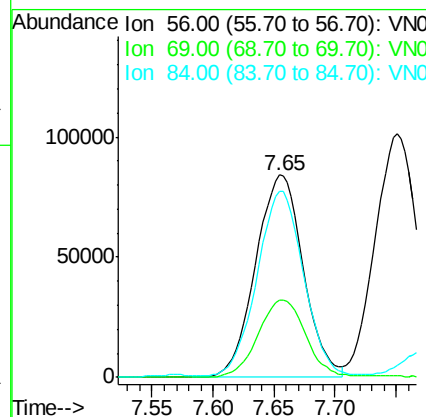
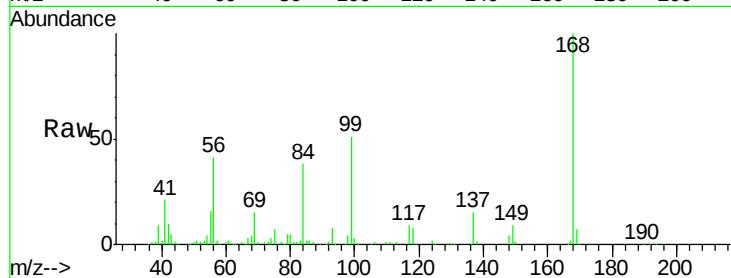
ClientSampled :

VN0205WBS01

Tot Ion:	56	Resp:	228137
Ion Ratio	Lower	Upper	
56	100		
69	37.8	26.4	39.6
84	90.9	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.287 ug/l

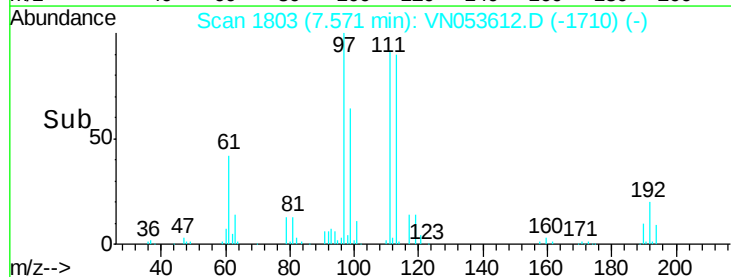
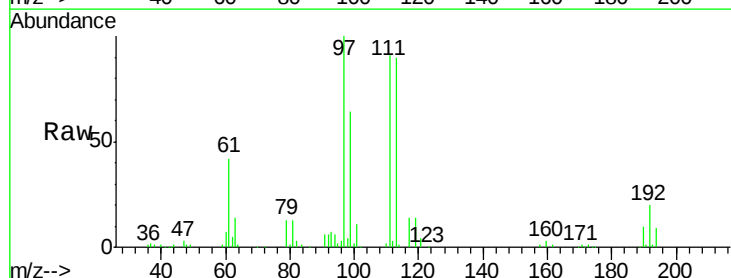
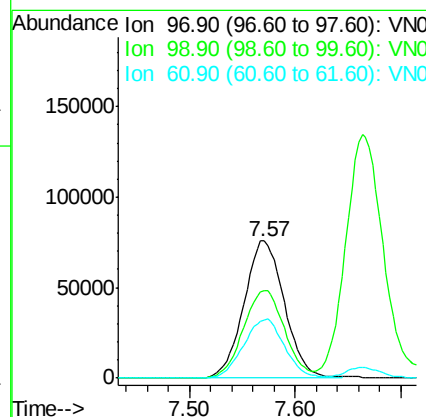
RT: 7.57 min Scan# 1803

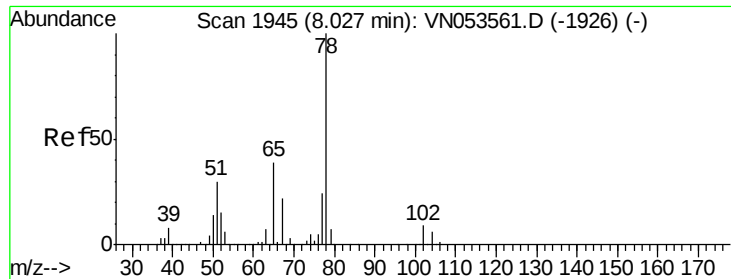
Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Tgt Ion:	97	Resp:	202346
Ion Ratio	Lower	Upper	
97	100		
99	65.1	52.0	78.0
61	43.4	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 18.287 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBS01

Tot Ion: 65 Resp: 352039

Ion Ratio Lower Upper

65 100

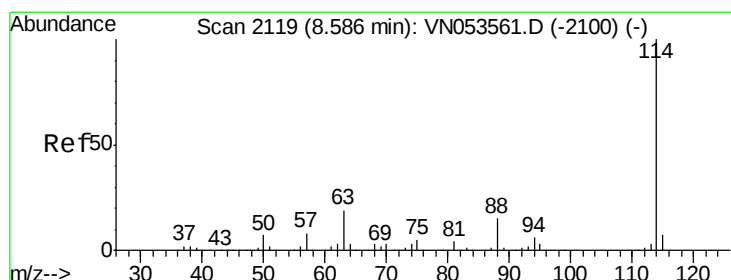
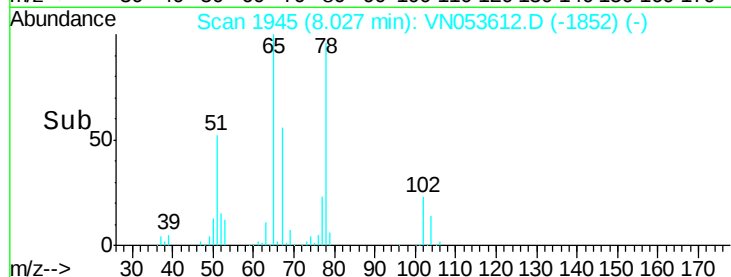
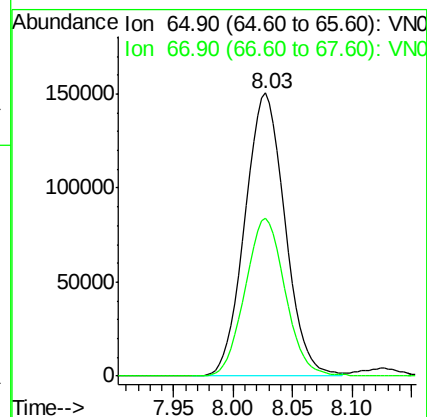
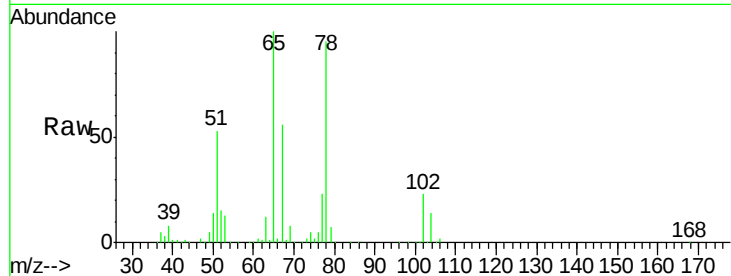
67 55.9 0.0 111.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

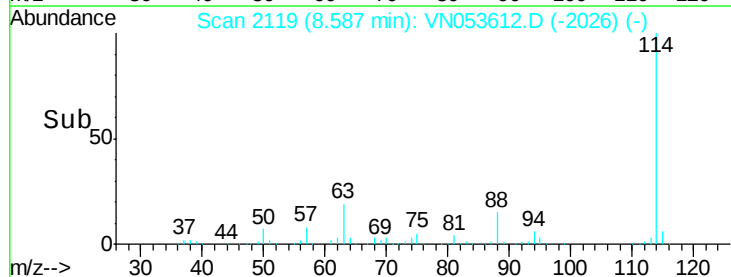
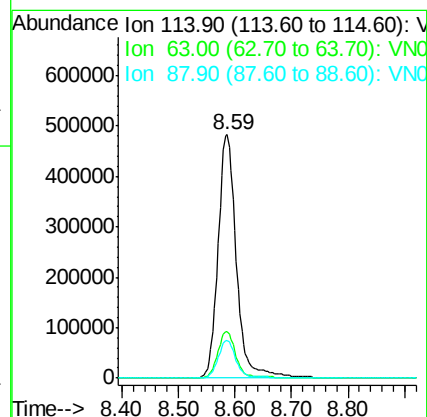
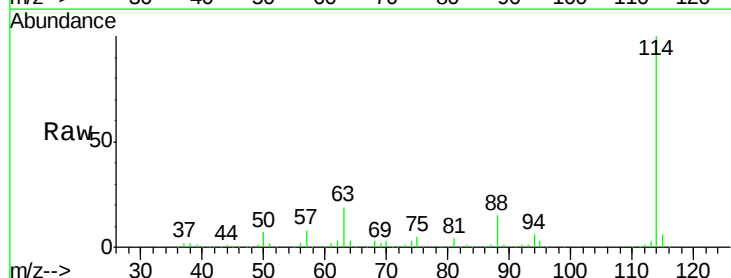
Tgt Ion: 114 Resp: 1088664

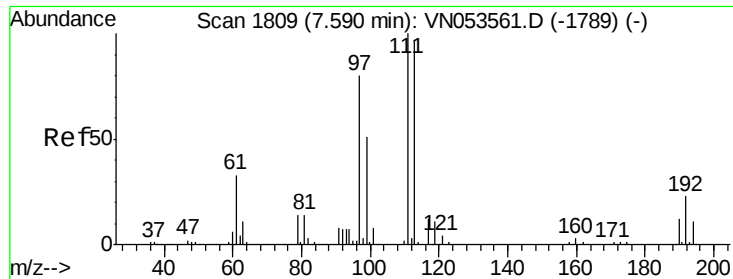
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.4 0.0 30.4





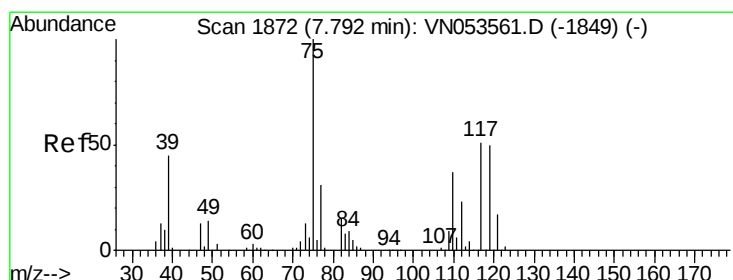
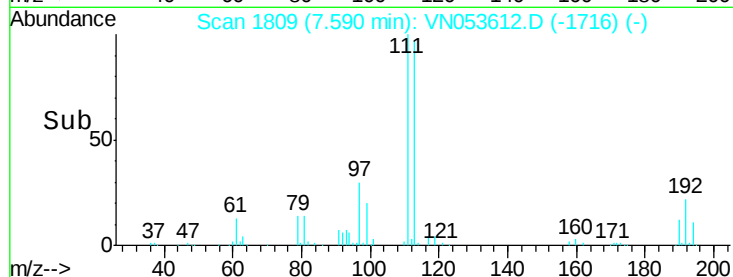
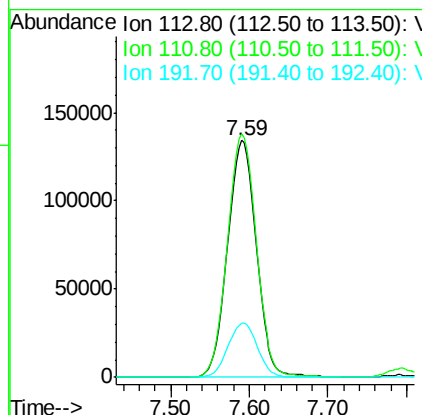
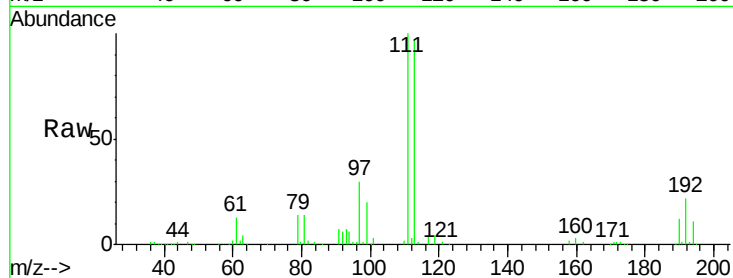
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	341586		
111	103.2	81.1	121.7	
192	23.5	18.2	27.2	

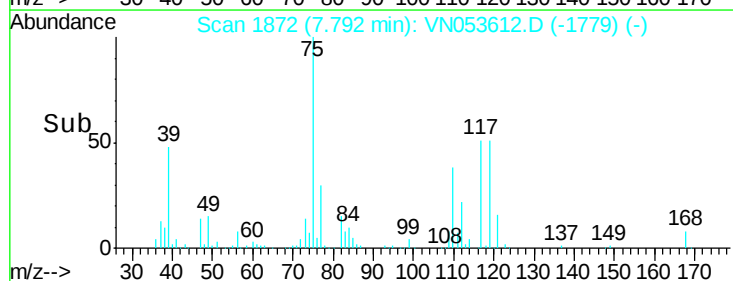
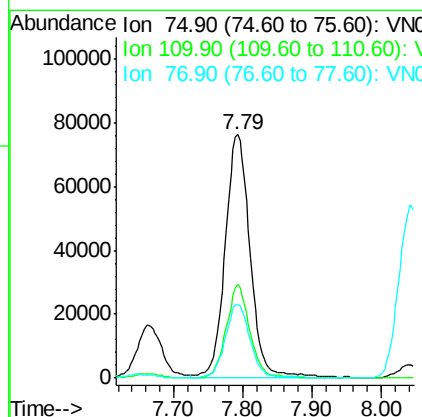
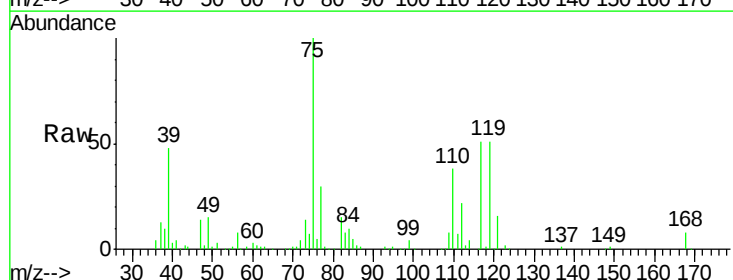
Manual Integrations
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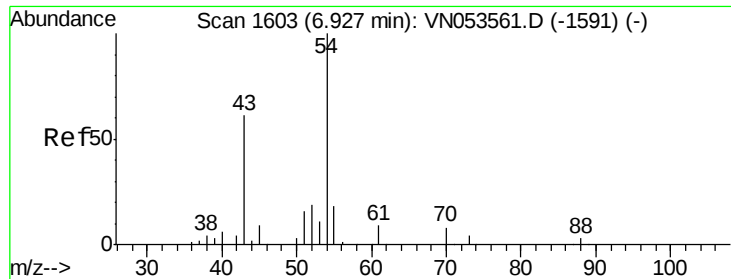
MMDadoda
2/6/2019 12:46:55 PM



#36
1,1-Dichloropropene
Concen: 19.444 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	190817		
110	36.5	18.1	54.3	
77	30.4	25.1	37.7	





#37

Ethyl Acetate

Concen: 19.032 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

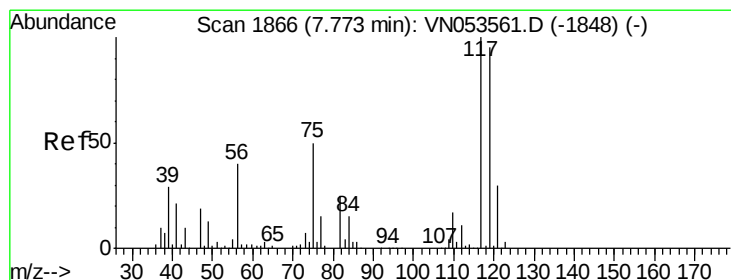
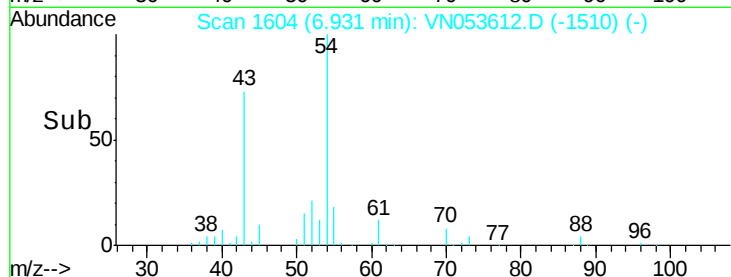
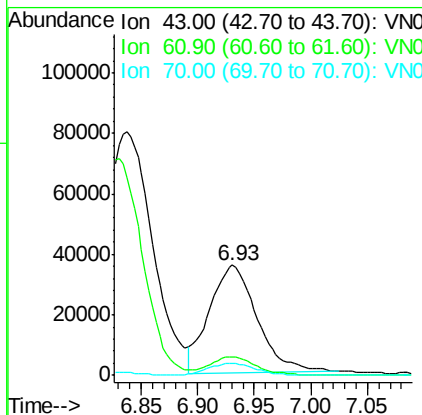
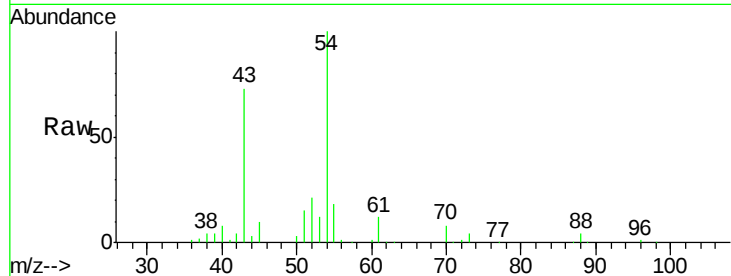
ClientSampled :

VN0205WBS01

Tot Ion:	43	Resp:	104311
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.6
70	11.0	8.6	12.8

Manual Integrations
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2/6/2019 12:46:55 PM



#38

Carbon Tetrachloride

Concen: 18.234 ug/l

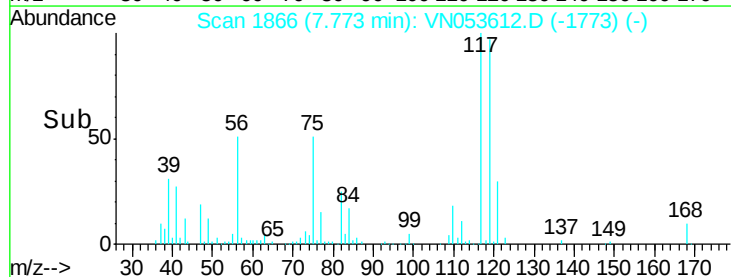
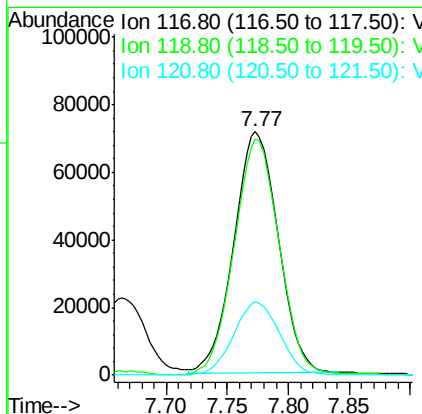
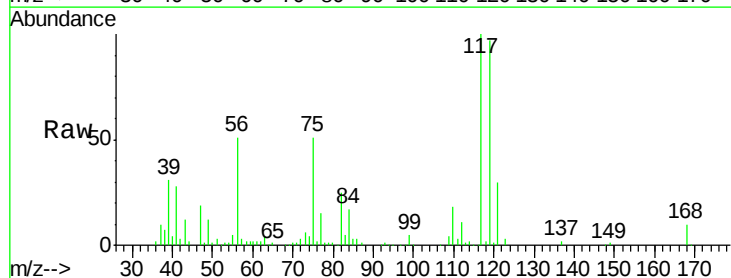
RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Tgt Ion:	117	Resp:	180267
Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.2	115.8
121	30.5	24.6	37.0





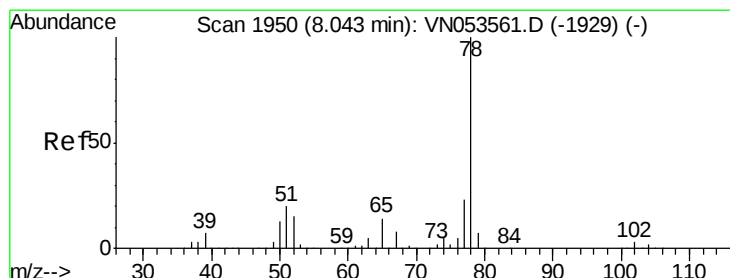
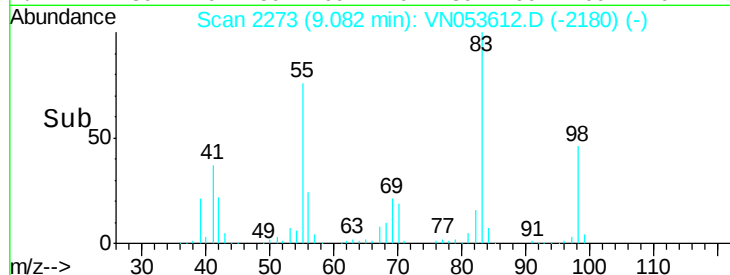
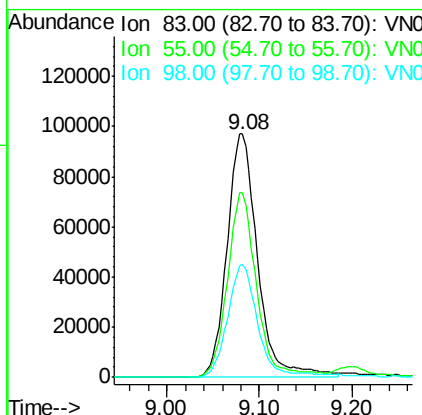
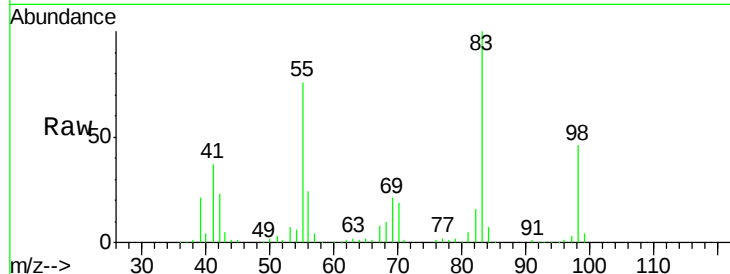
#39
Methvlcvclohexane
Concen: 19.117 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	222579		
55	75.8		60.1	90.1
98	46.5		36.6	55.0

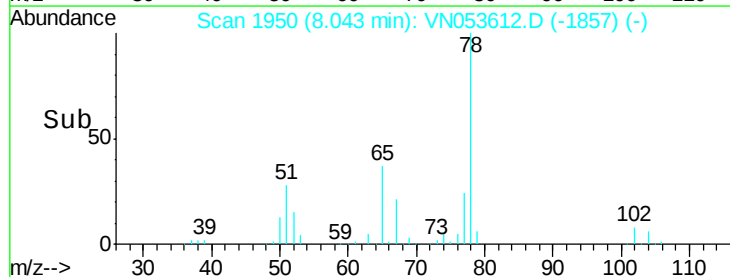
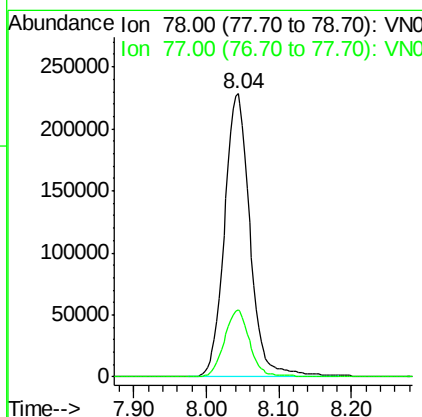
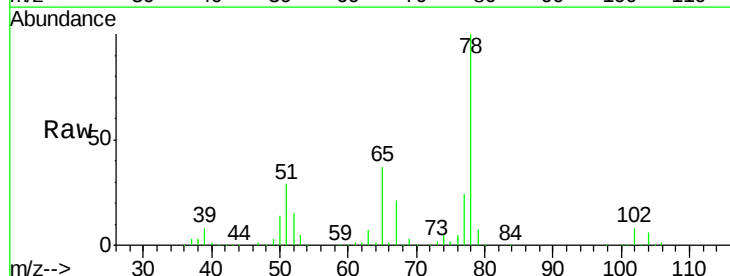
Manual Integrations
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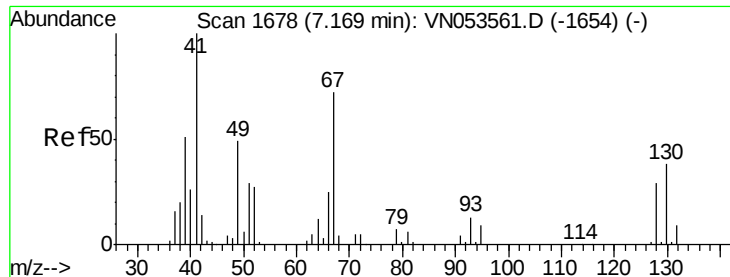
MMDadoda
2/6/2019 12:46:55 PM



#40
Benzene
Concen: 18.532 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	560817		
77	23.8		18.8	28.2





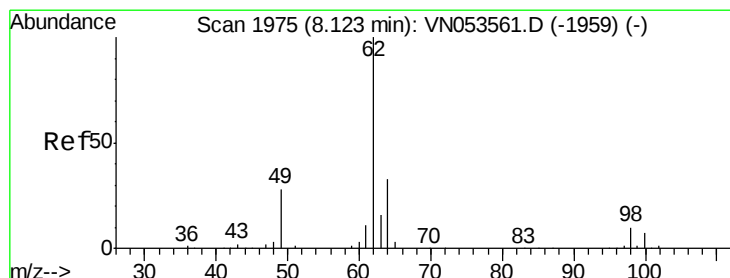
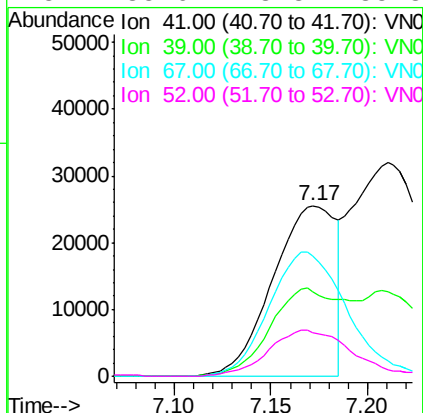
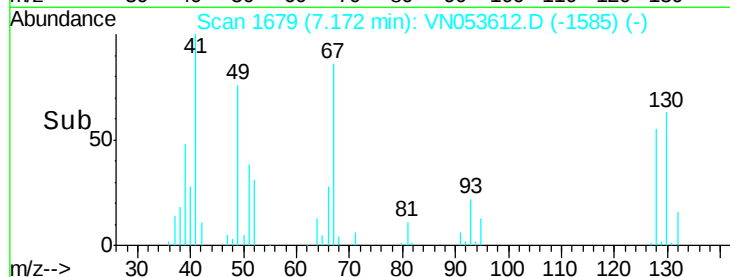
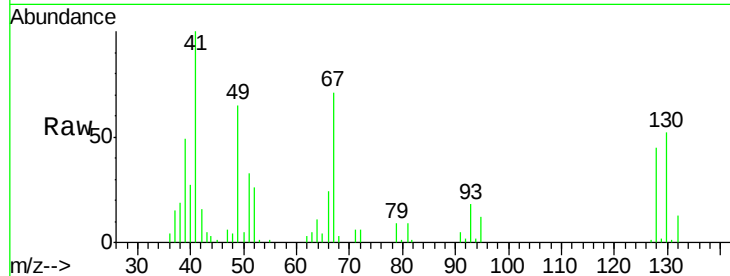
#41
Methacrylonitrile
Concen: 18.911 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.1	46.8	70.2	
67	91.7	63.0	94.6	
52	35.6	23.8	35.8	

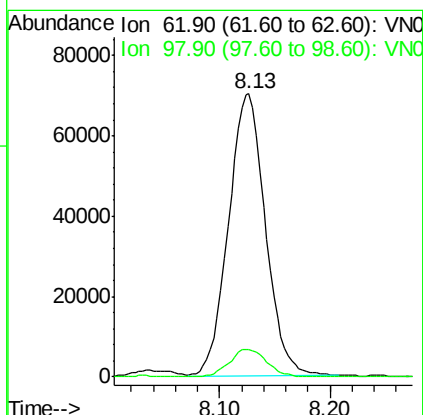
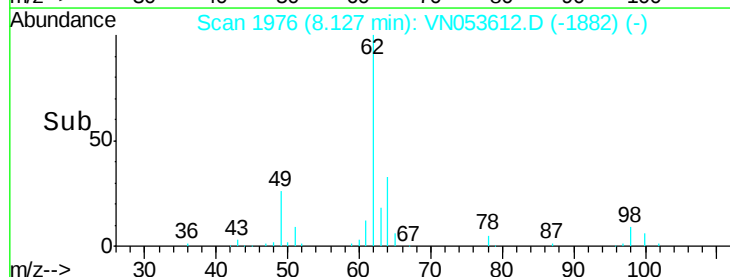
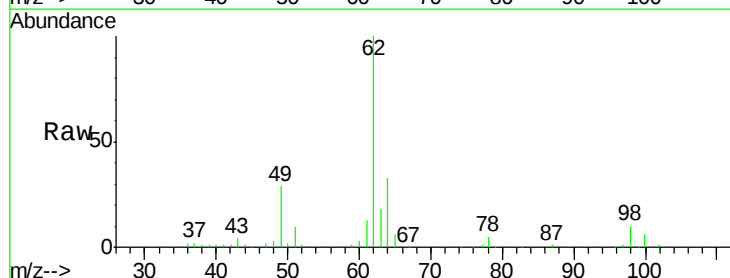
Manual Integrations
APPROVED

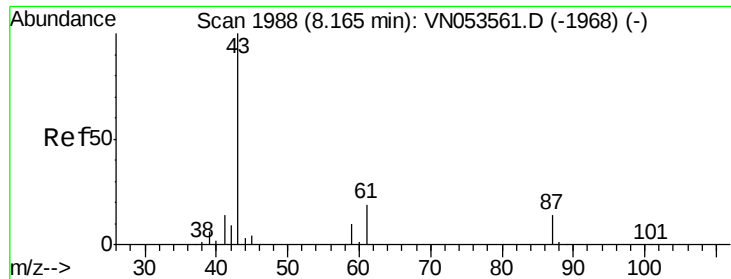
MMDadoda
2/6/2019 12:46:55 PM



#42
1,2-Dichloroethane
Concen: 18.078 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.6	





#43

Isopropyl Acetate

Concen: 16.998 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

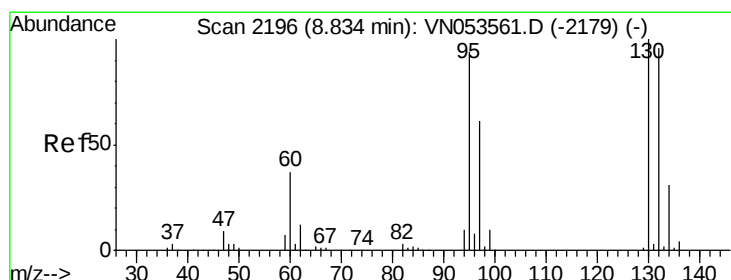
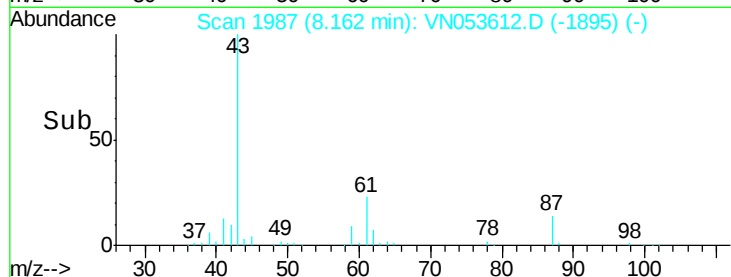
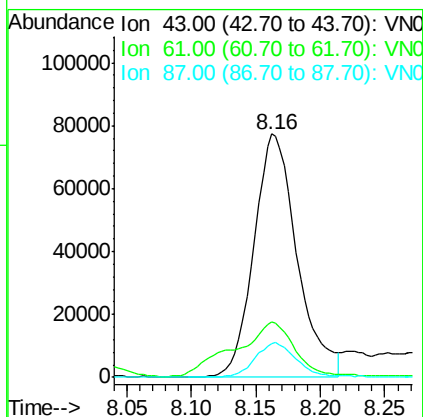
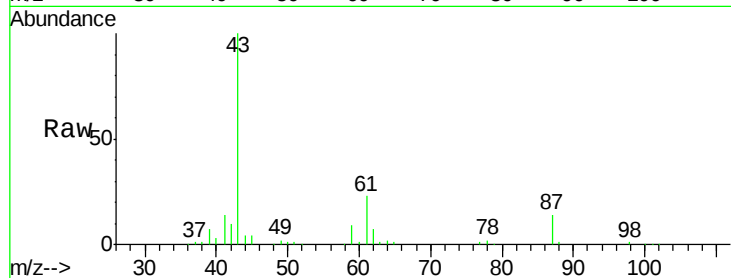
ClientSampled :

VN0205WBS01

Tot Ion:	43	Resp:	179926
Ion	Ratio	Lower	Upper
43	100		
61	31.7	23.9	35.9
87	13.7	11.0	16.6

Manual Integrations
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2/6/2019 12:46:55 PM



#44

Trichloroethene

Concen: 17.703 ug/l

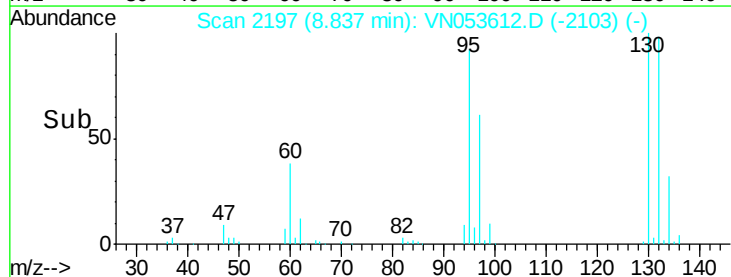
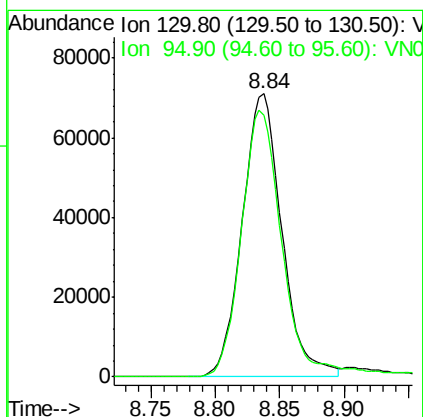
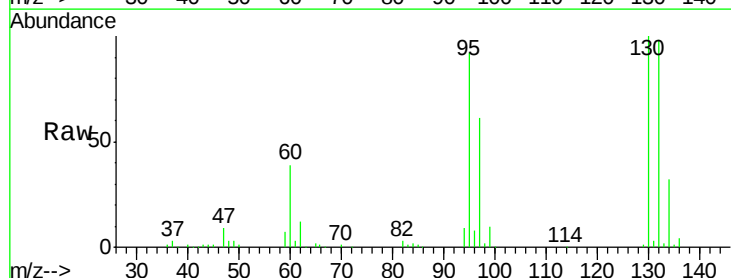
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Tgt Ion:	130	Resp:	152522
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	191.4





#45

1,2-Dichloropropane

Concen: 19.215 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBS01

Tot Ion: 63 Resp: 148729

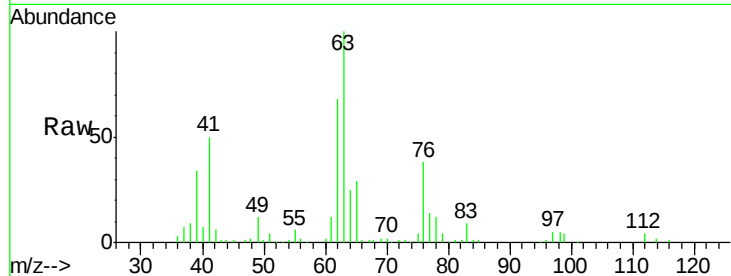
Ion Ratio Lower Upper

63 100

65 28.9 25.0 37.4

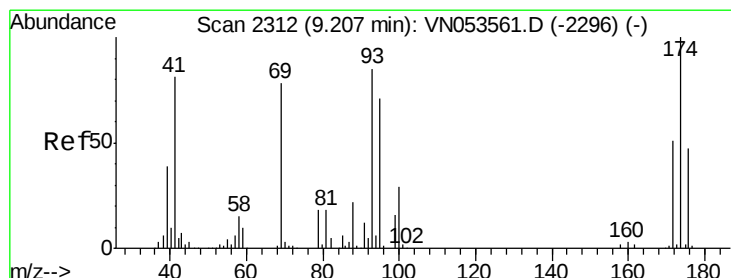
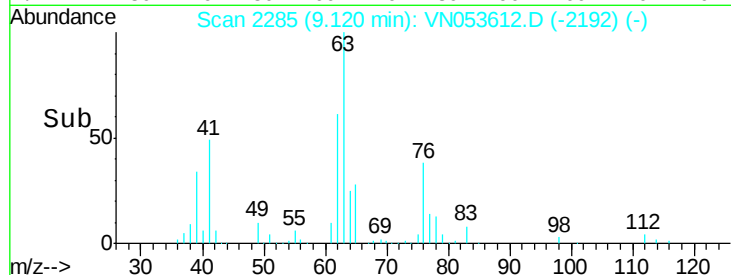
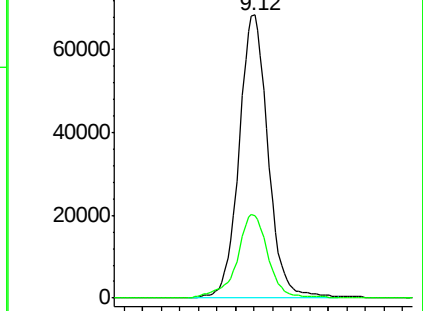
Manual Integrations
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2/6/2019 12:46:55 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.533 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

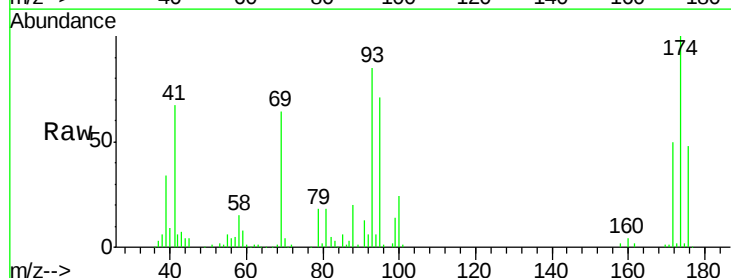
Tgt Ion: 93 Resp: 86476

Ion Ratio Lower Upper

93 100

95 84.2 67.3 100.9

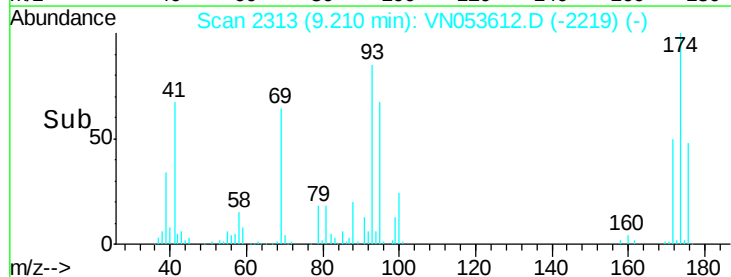
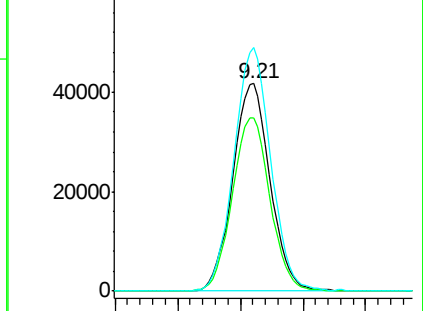
174 115.5 91.0 136.4

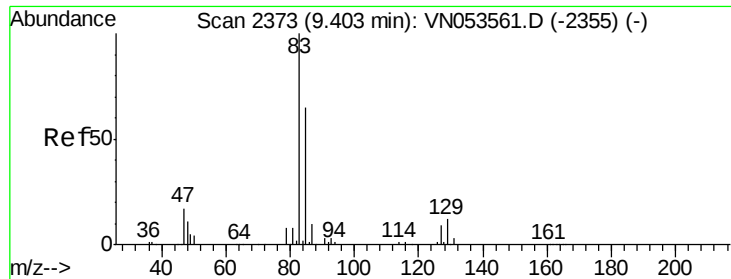


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





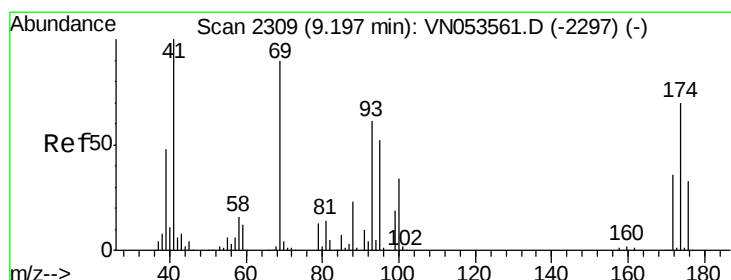
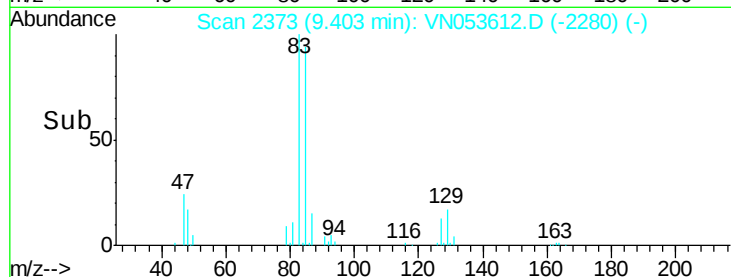
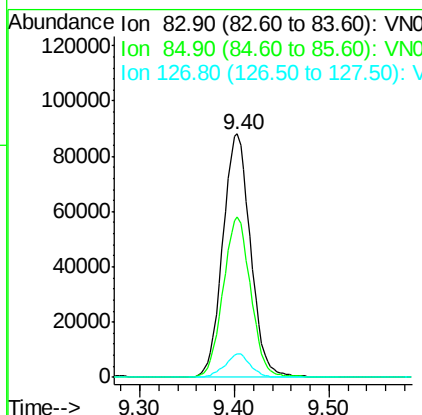
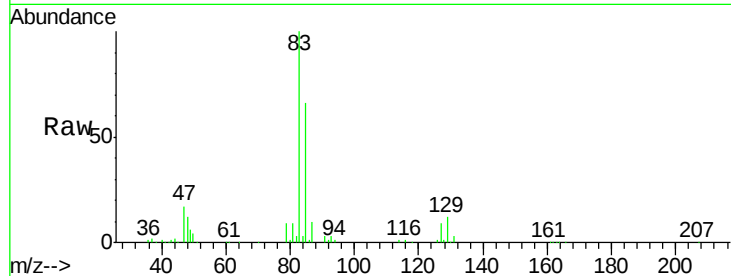
#47
Bromodichloromethane
Concen: 18.504 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBS01

Tot Ion	83	Resp	179520
Ion Ratio	100		
85	65.8	51.0	76.6
127	9.4	7.0	10.6

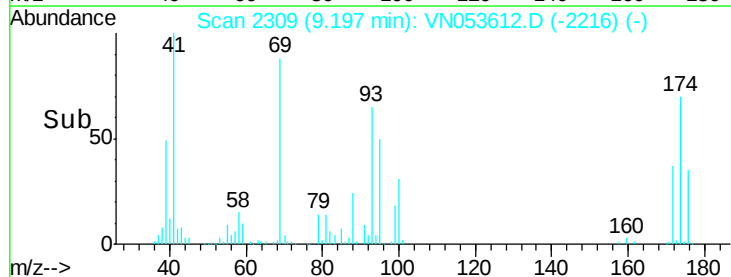
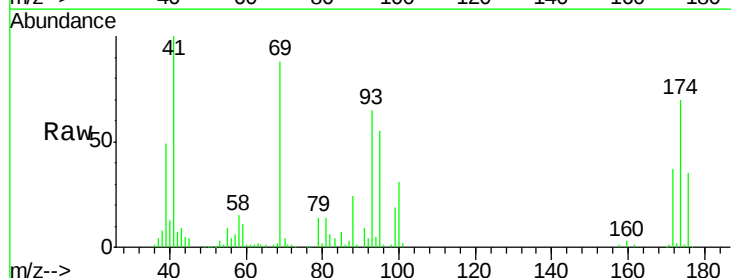
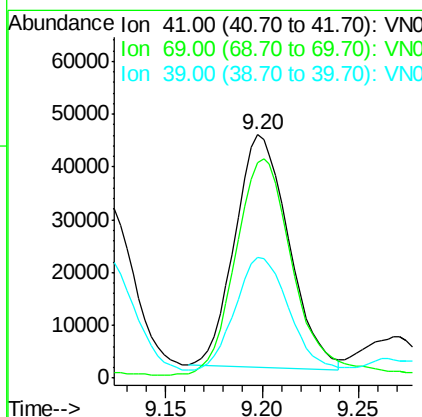
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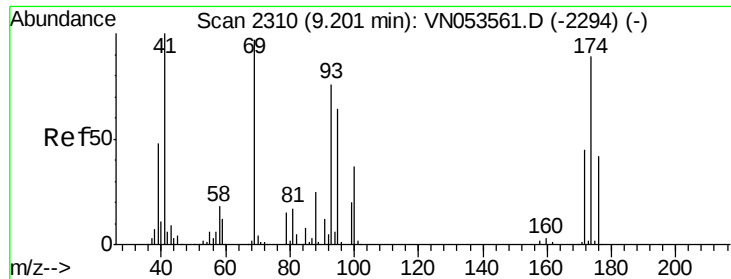
MMDadoda
2/6/2019 12:46:55 PM



#48
Methyl methacrylate
Concen: 16.800 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	41	Resp	84883
Ion Ratio	100		
69	103.7	73.8	110.6
39	55.9	40.0	60.0





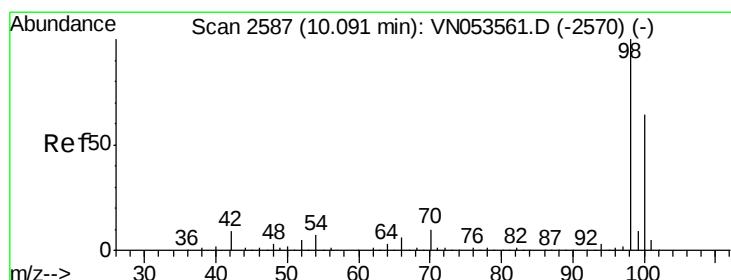
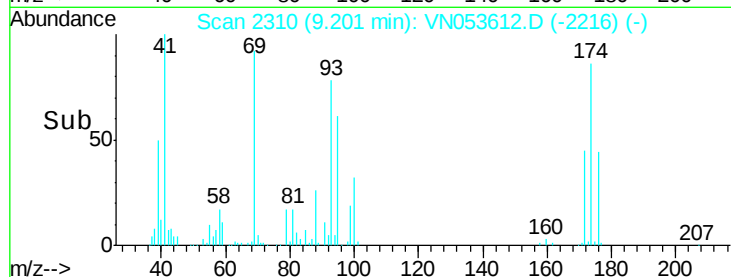
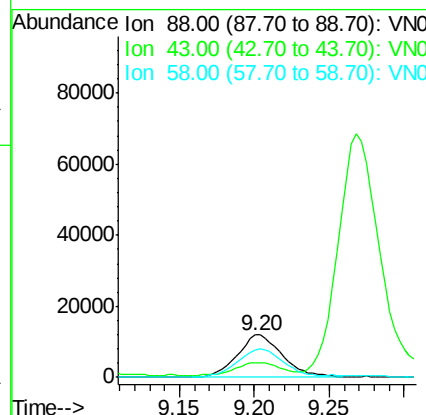
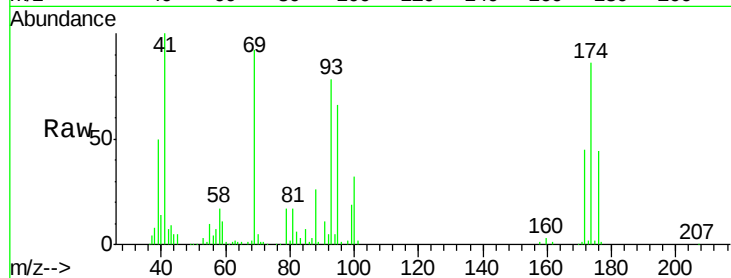
#49
 1,4-Dioxane
 Concen: 368.532 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	27.8	41.6
58	68.7	56.5	84.7

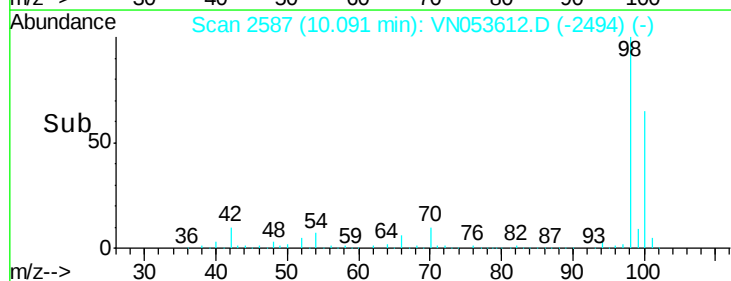
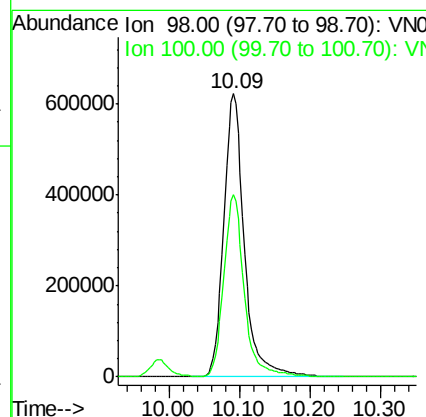
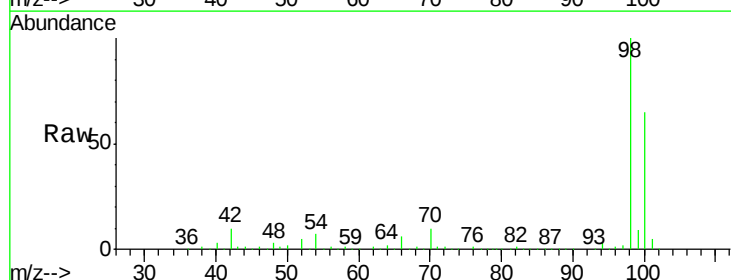
Manual Integrations
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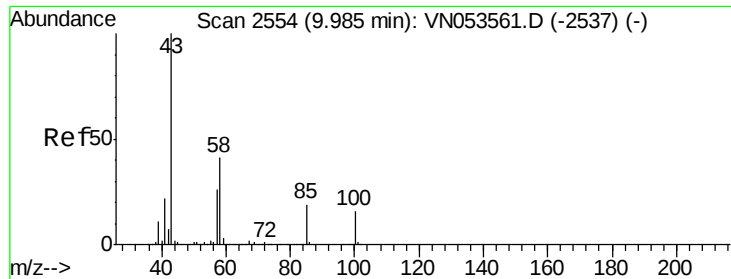
MMDadoda
 2/6/2019 12:46:55 PM



#50
 Toluene-d8
 Concen: 368.532 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 91.867 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBS01

Tot Ion: 43 Resp: 477839

Ion Ratio Lower Upper

43 100

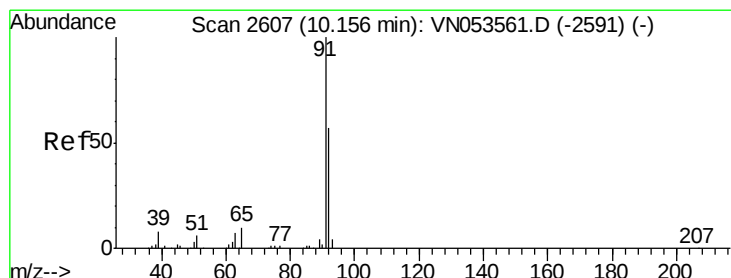
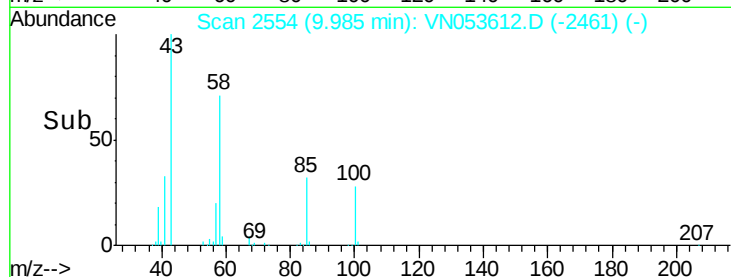
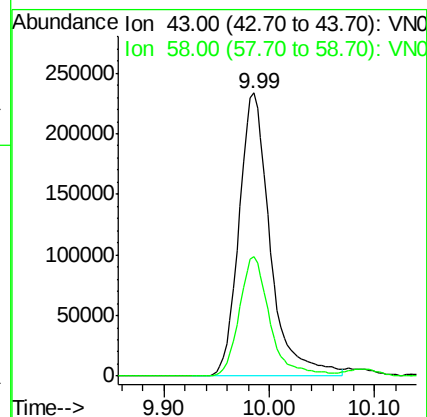
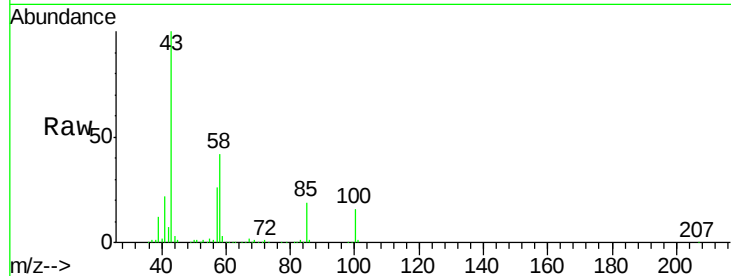
58 41.3 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 18.984 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053612.D

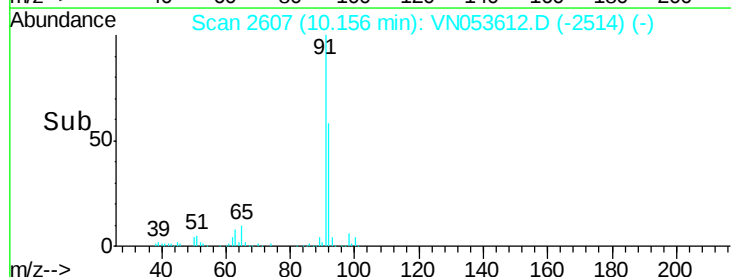
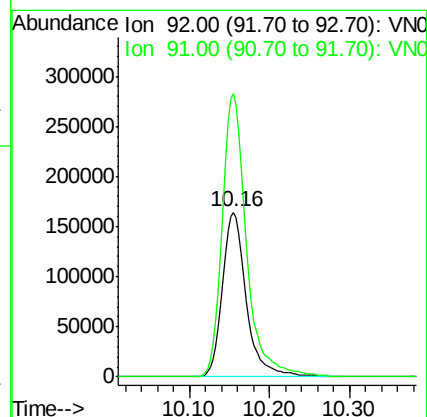
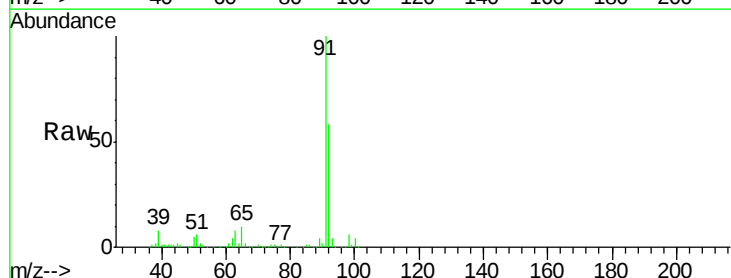
Acq: 5 Feb 2019 11:49

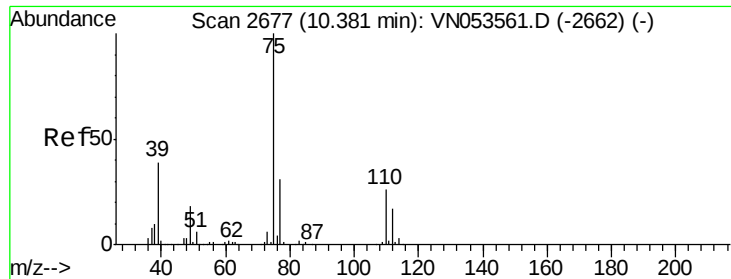
Tgt Ion: 92 Resp: 340964

Ion Ratio Lower Upper

92 100

91 174.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.248 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBS01

Tot Ion: 75 Resp: 177269

Ion Ratio Lower Upper

75 100

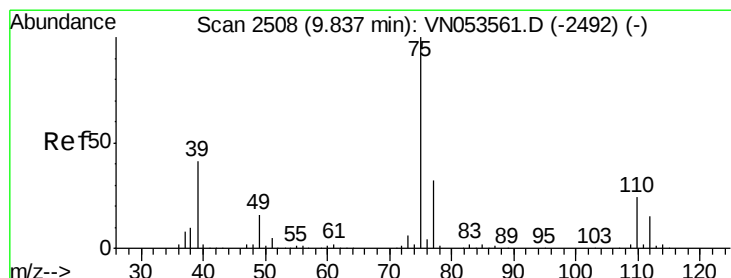
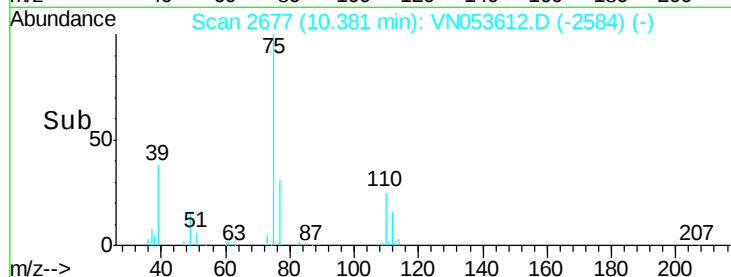
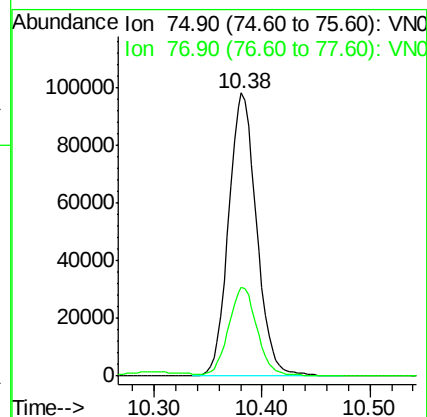
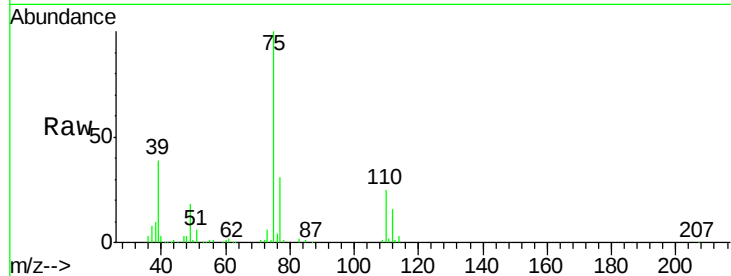
77 31.0 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.447 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

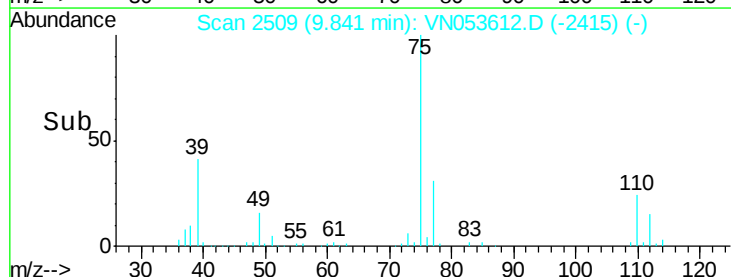
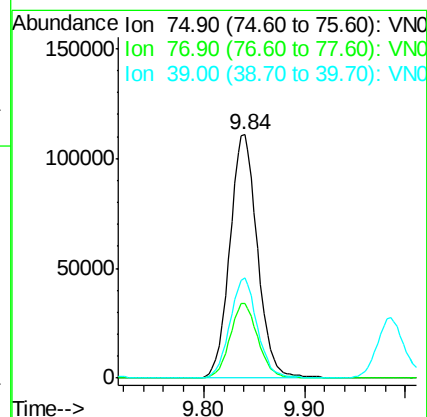
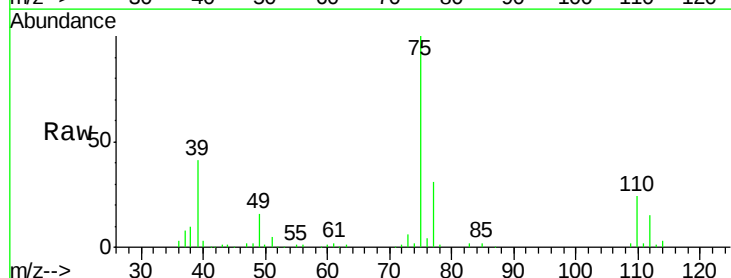
Tgt Ion: 75 Resp: 212356

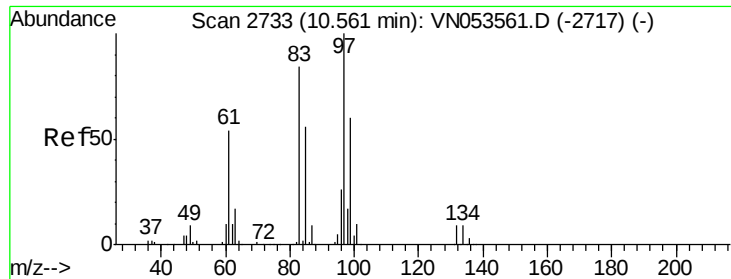
Ion Ratio Lower Upper

75 100

77 30.6 25.8 38.6

39 40.8 33.4 50.0





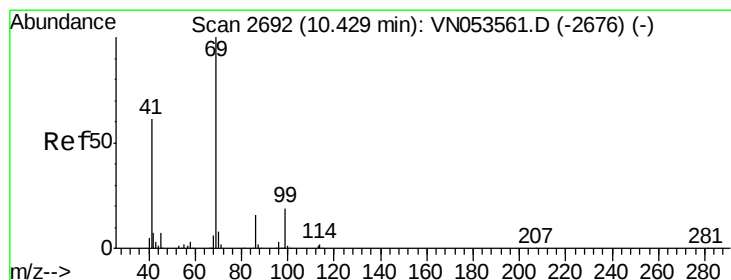
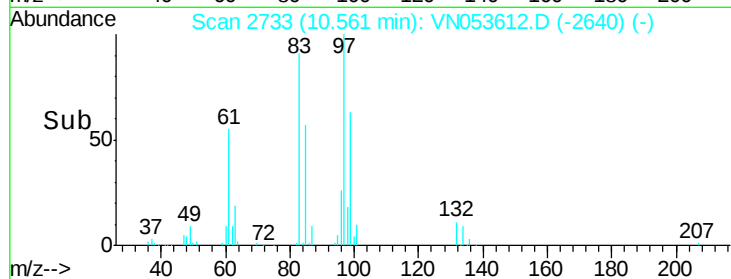
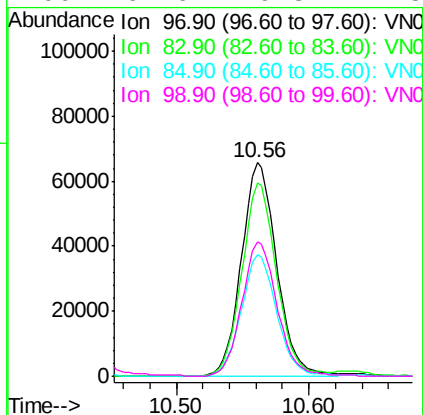
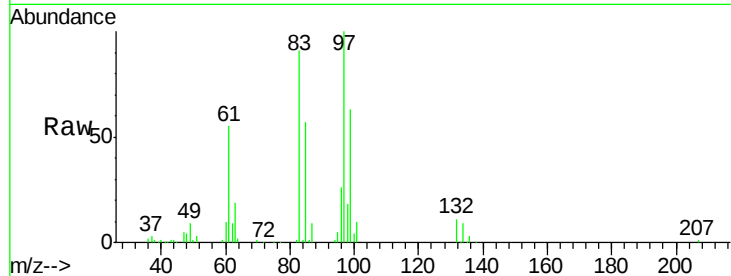
#55
 1,1,2-Trichloroethane
 Concen: 18.811 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0205WBS01

Tot Ion:	97	Resp:	121744
Ion	Ratio	Lower	Upper
97	100		
83	90.7	70.1	105.1
85	56.9	45.4	68.0
99	62.6	49.8	74.8

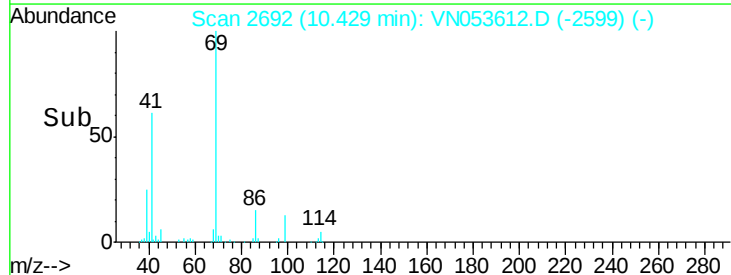
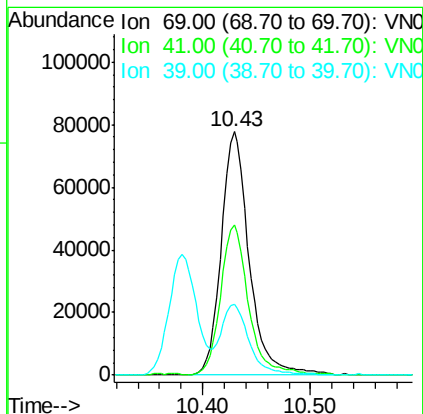
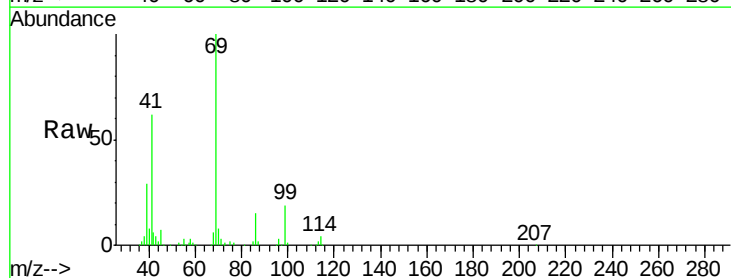
Manual Integrations
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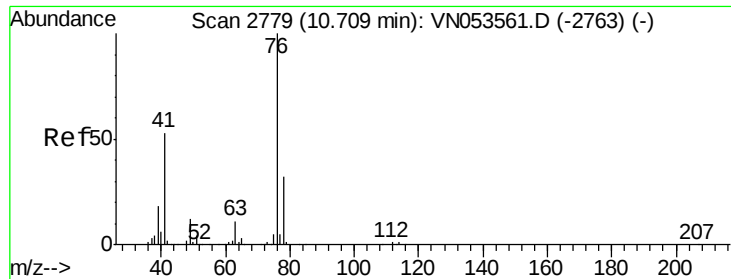
MMDadoda
 2/6/2019 12:46:55 PM



#56
 Ethyl methacrylate
 Concen: 18.350 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Tgt Ion:	69	Resp:	140494
Ion	Ratio	Lower	Upper
69	100		
41	60.3	49.4	74.0
39	28.6	23.3	34.9





#57

1,3-Dichloropropane

Concen: 18.656 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBS01

Tot Ion: 76 Resp: 206358

Ion Ratio Lower Upper

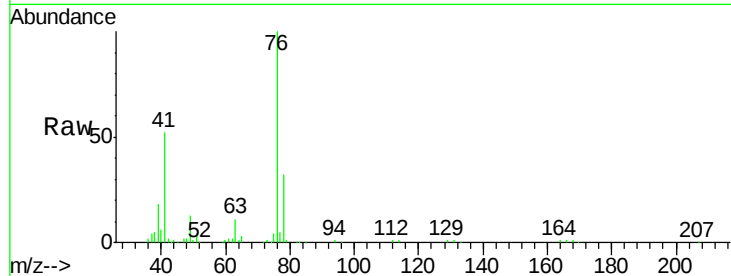
76 100

78 31.9 25.6 38.4

Manual Integrations
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MMDadoda

2/6/2019 12:46:55 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

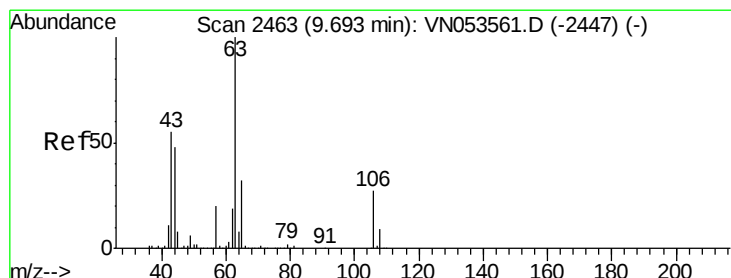
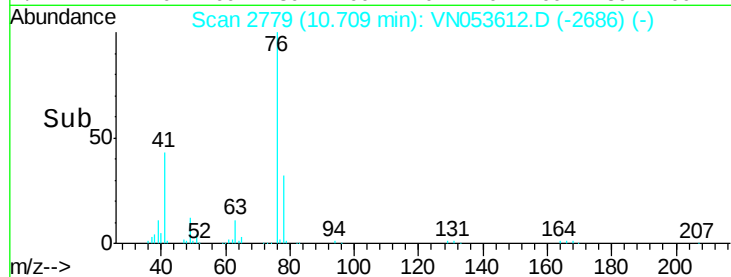
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 90.166 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053612.D

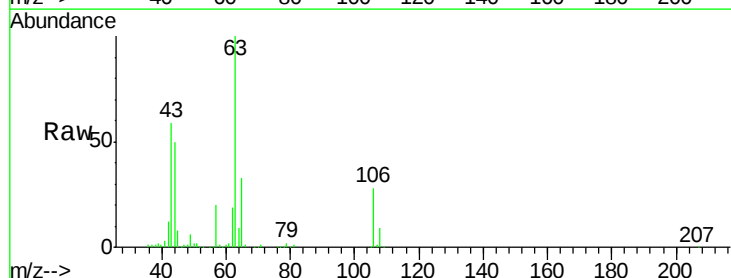
Acq: 5 Feb 2019 11:49

Tgt Ion: 63 Resp: 403016

Ion Ratio Lower Upper

63 100

106 27.2 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

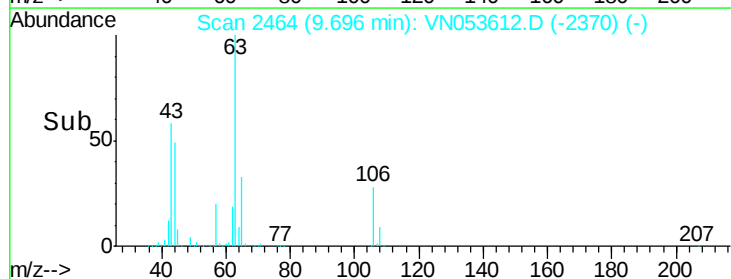
150000

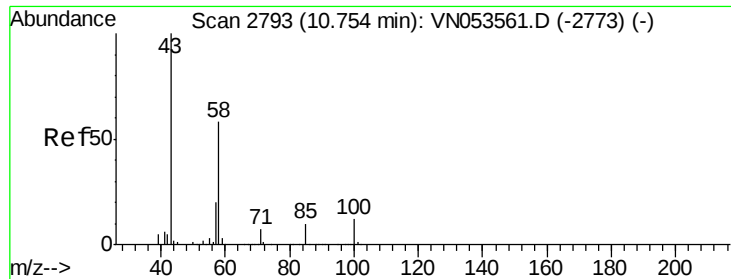
100000

50000

0

Time--> 9.60 9.70 9.80





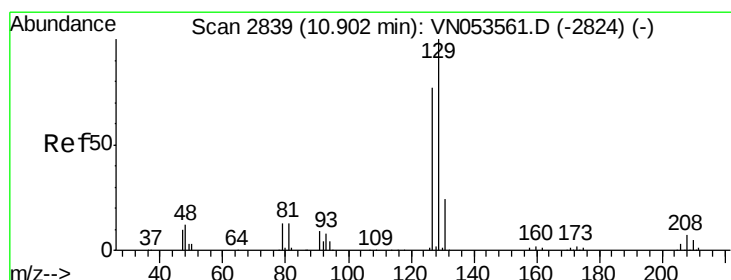
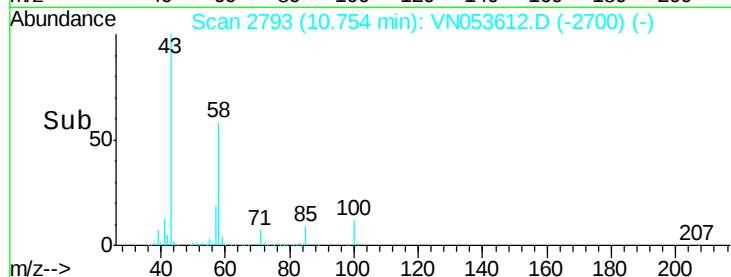
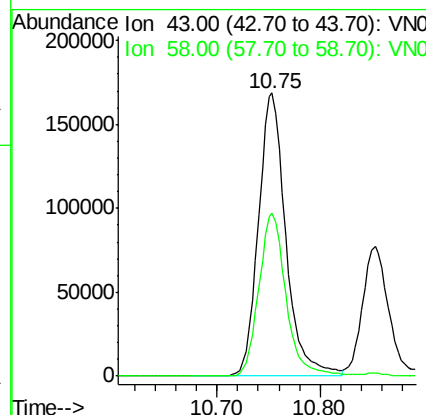
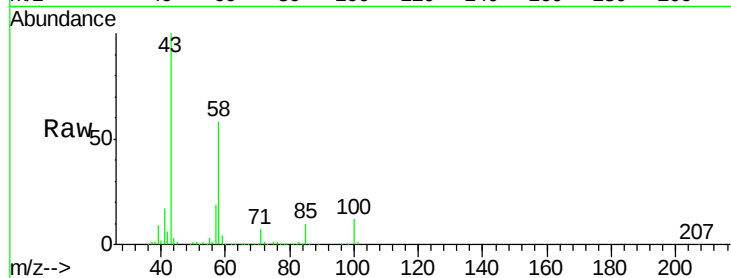
#59
2-Hexanone
Concen: 87.627 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBS01

Tot Ion: 43 Resp: 309419
Ion Ratio Lower Upper
43 100
58 57.2 28.6 85.8

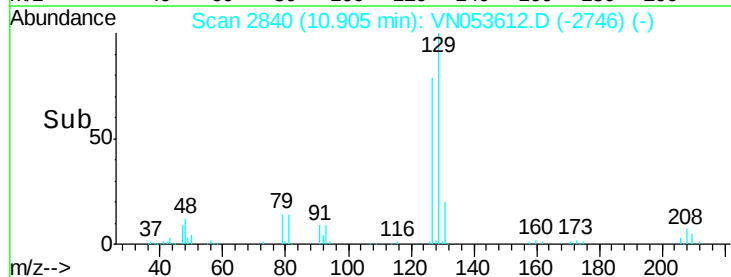
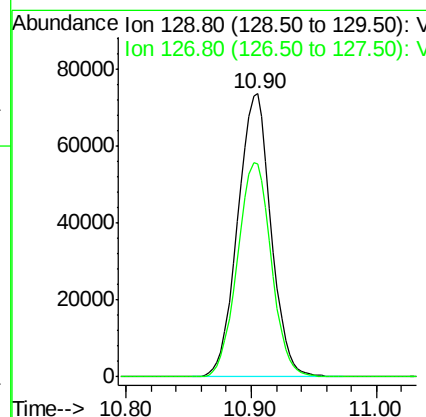
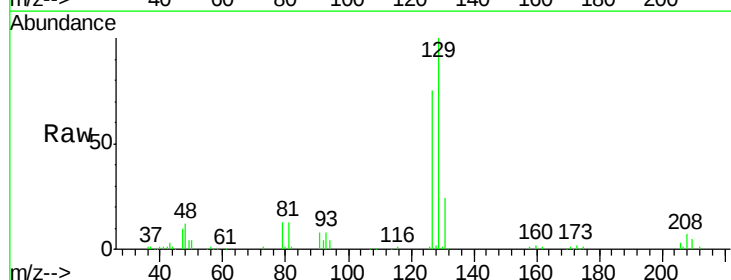
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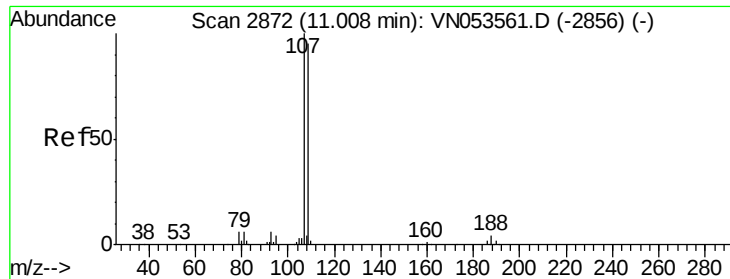
MMDadoda
2/6/2019 12:46:55 PM



#60
Dibromochloromethane
Concen: 18.575 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion: 129 Resp: 135567
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.126 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBS01

Tot Ion: 107 Resp: 116110

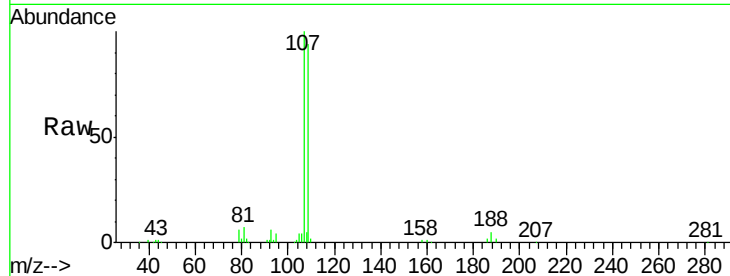
Ion Ratio Lower Upper

107 100

109 94.7 75.7 113.5

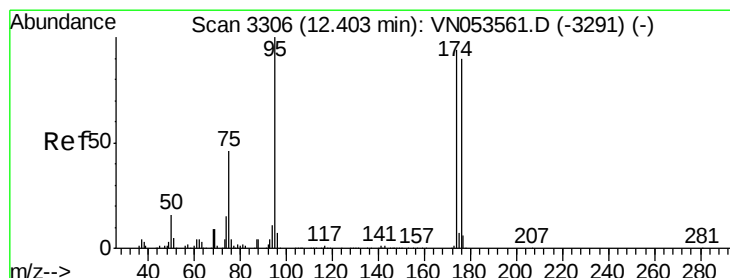
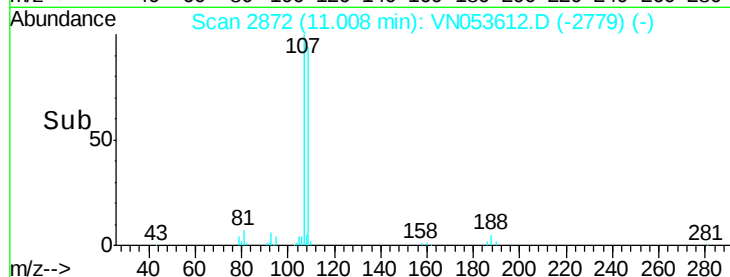
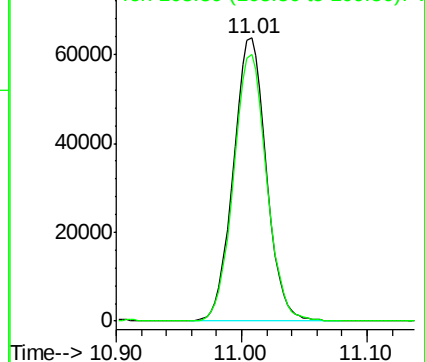
Manual Integrations
APPROVED

MMDadoda
2/6/2019 12:46:55 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.126 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

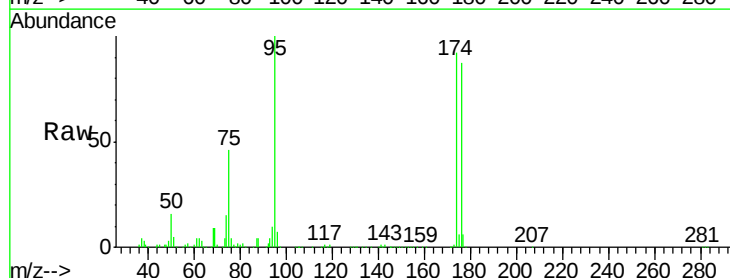
Tgt Ion: 95 Resp: 424754

Ion Ratio Lower Upper

95 100

174 94.1 0.0 183.2

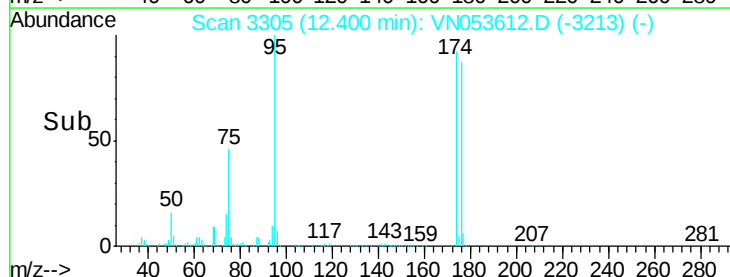
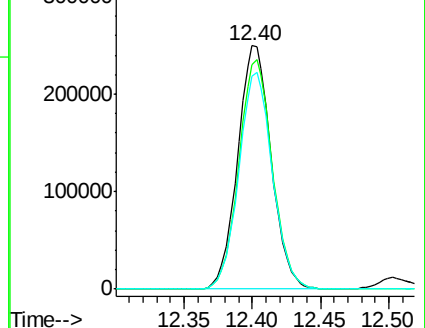
176 89.4 0.0 177.4

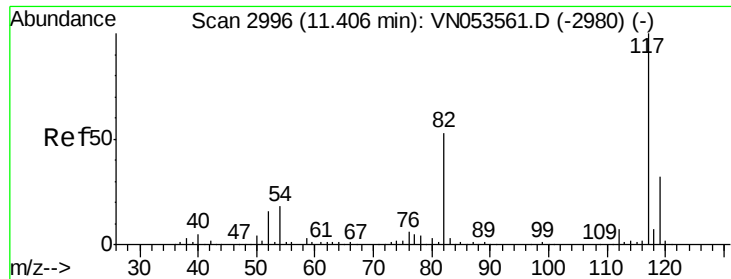


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





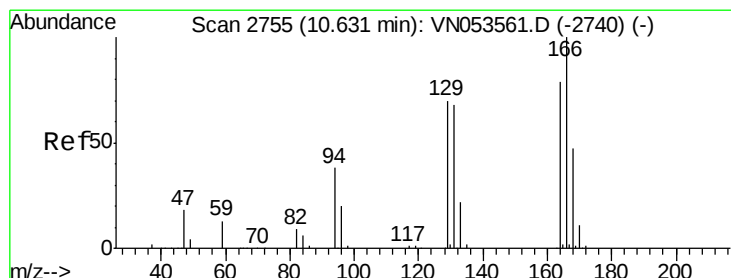
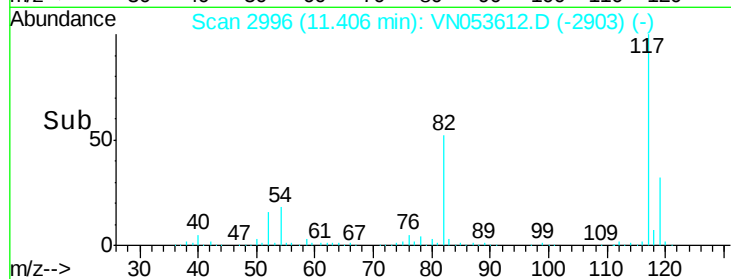
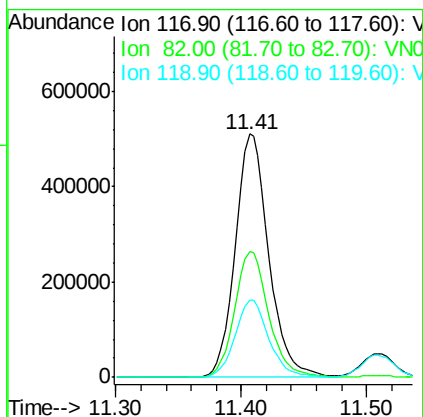
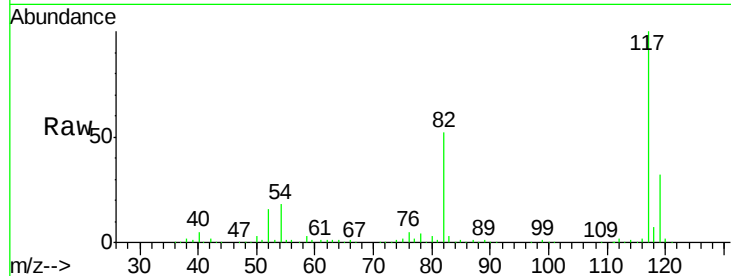
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.9	64.3
119	31.7	26.0	39.0

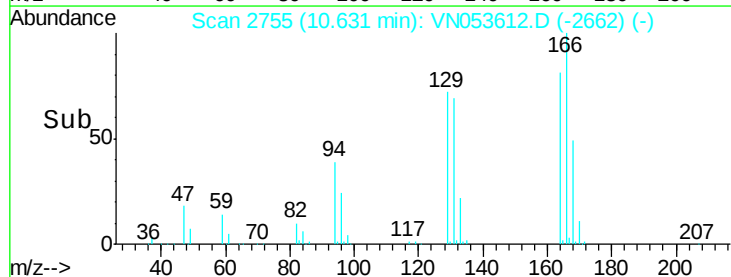
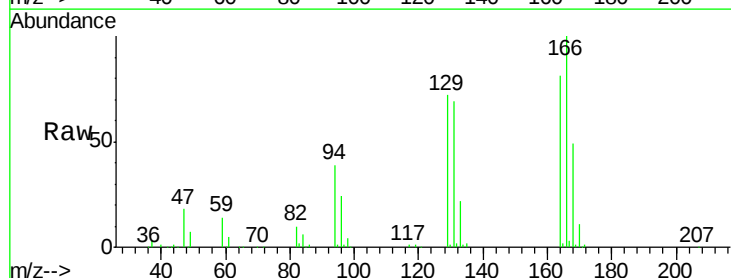
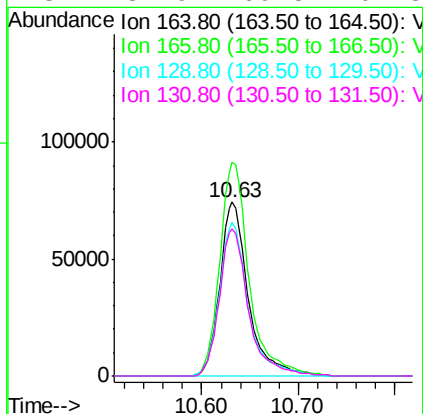
Manual Integrations
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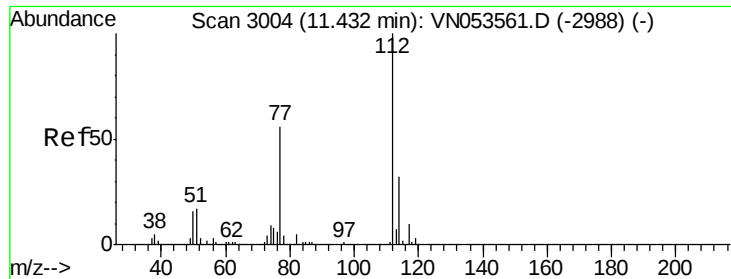
MMDadoda
2/6/2019 12:46:55 PM



#64
Tetrachloroethene
Concen: 18.826 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	102.2	153.4
129	88.2	72.6	109.0
131	84.9	69.5	104.3





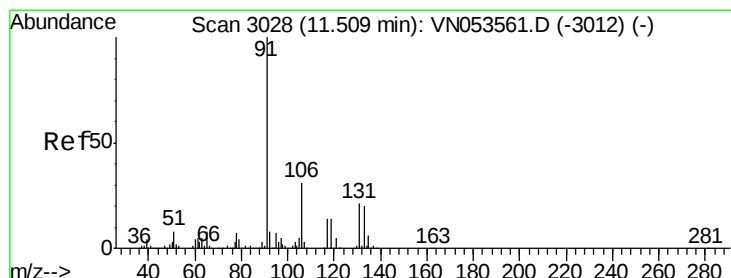
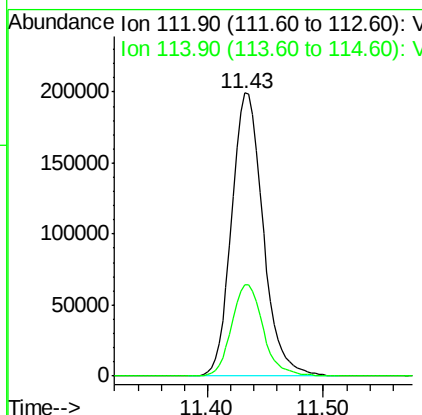
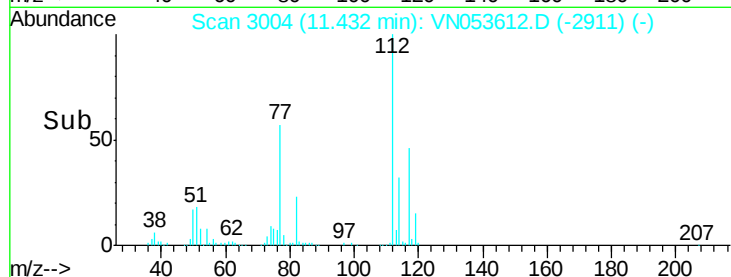
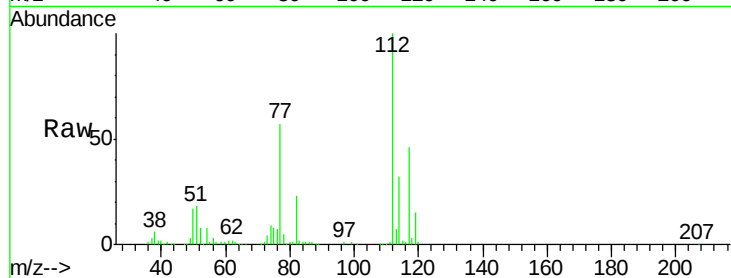
#65
Chlorobenzene
Concen: 18.685 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBS01

Tot Ion:112 Resp: 375389
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

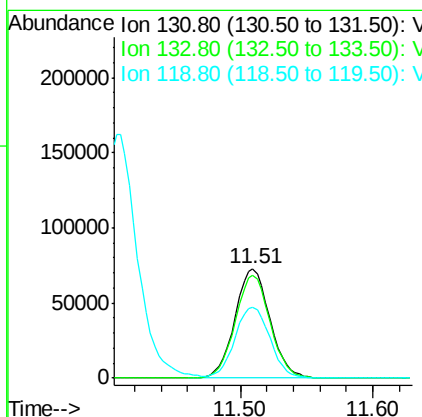
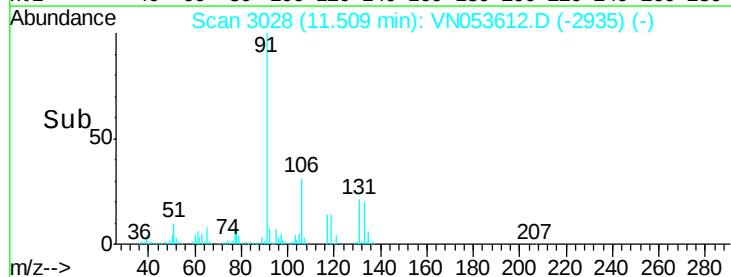
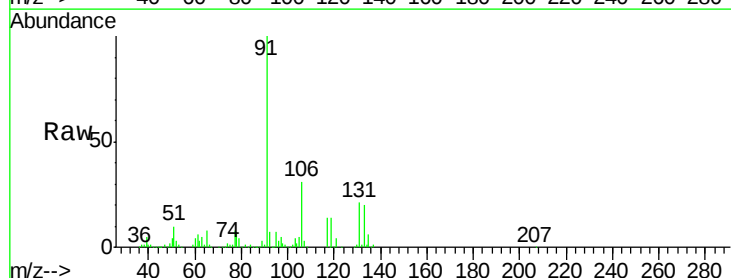
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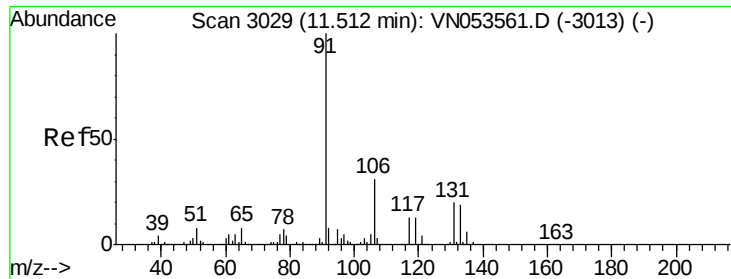
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.021 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion:131 Resp: 133454
Ion Ratio Lower Upper
131 100
133 94.0 48.0 144.0
119 65.4 33.5 100.5





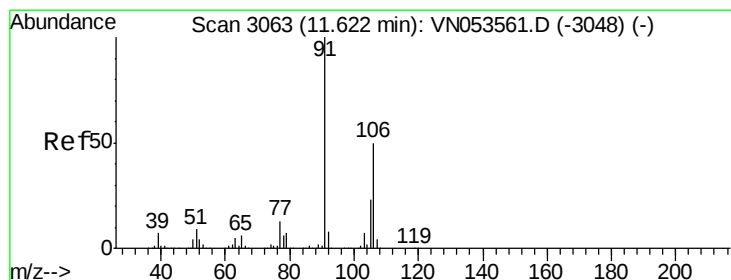
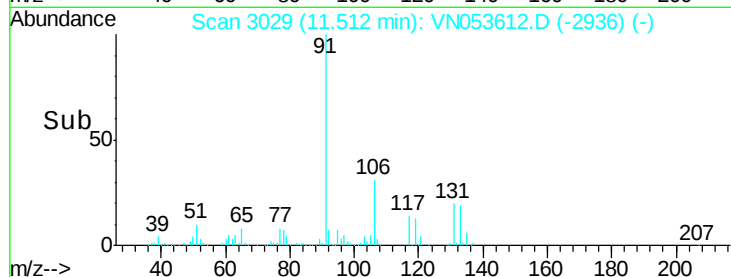
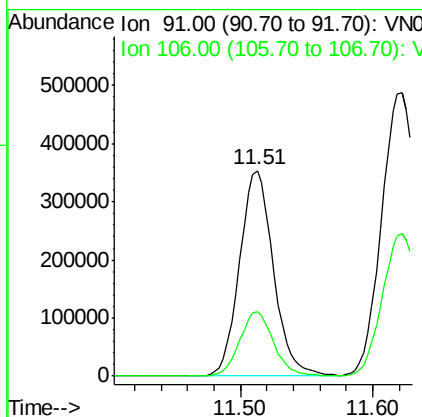
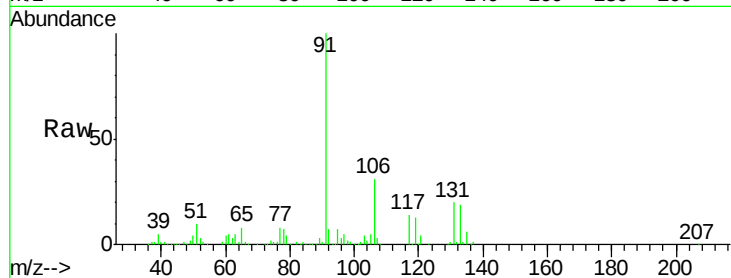
#67
Ethyl Benzene
Concen: 19.059 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBS01

Tot Ion: 91 Resp: 628990
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

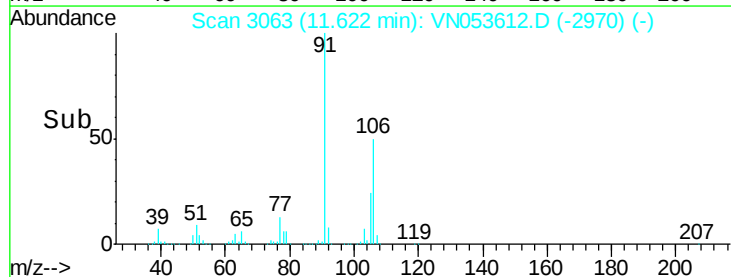
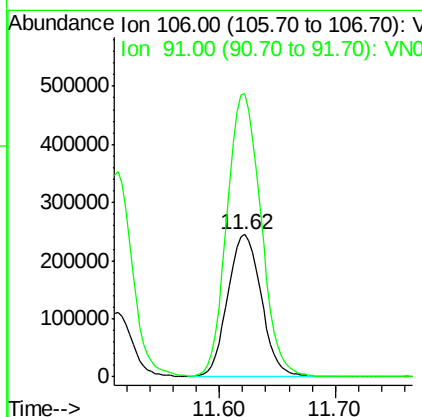
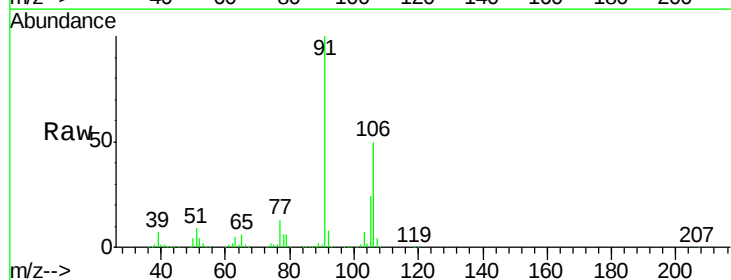
Manual Integrations
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#68
m/p-Xylenes
Concen: 39.230 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion: 106 Resp: 494124
Ion Ratio Lower Upper
106 100
91 200.2 161.4 242.2





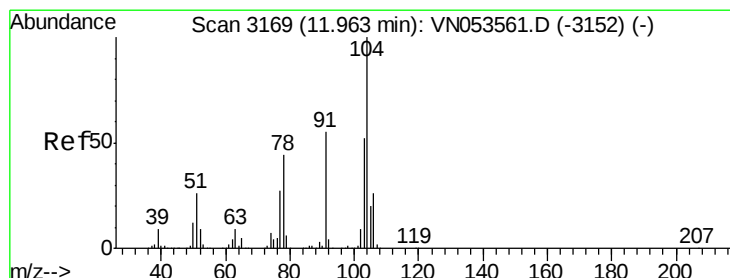
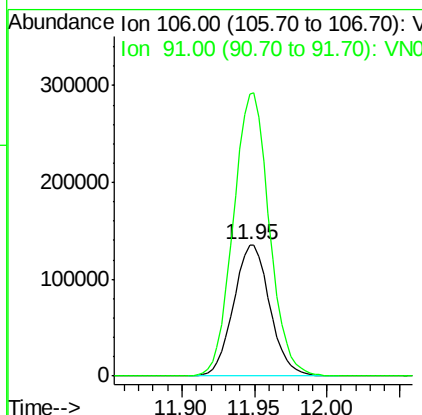
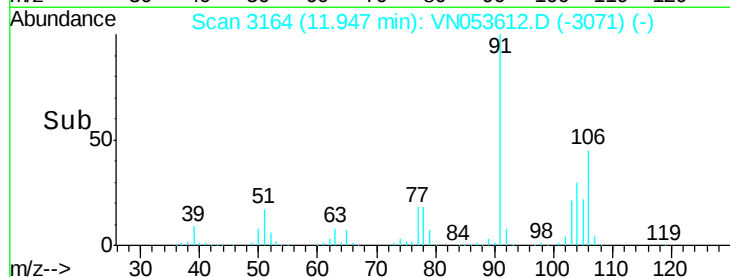
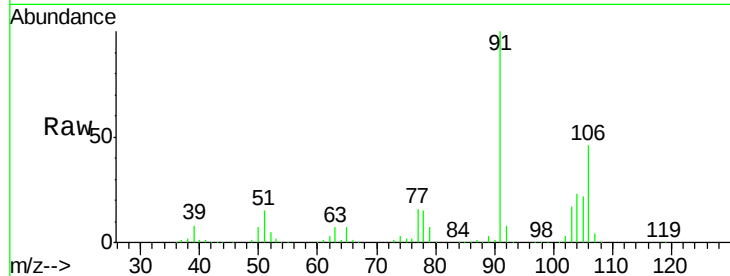
#69
o-Xylene
Concen: 19.367 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBS01

Tot Ion:106 Resp: 235662
Ion Ratio Lower Upper
106 100
91 214.2 106.9 320.8

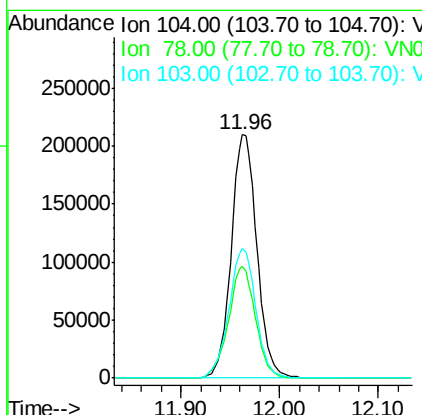
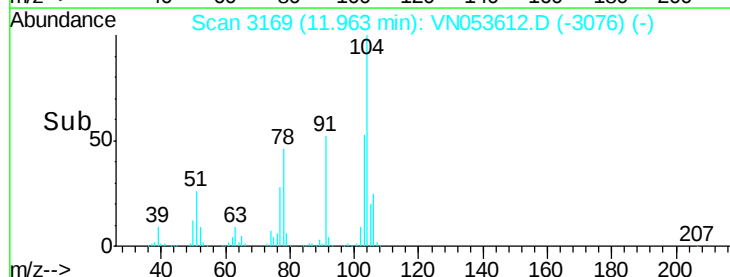
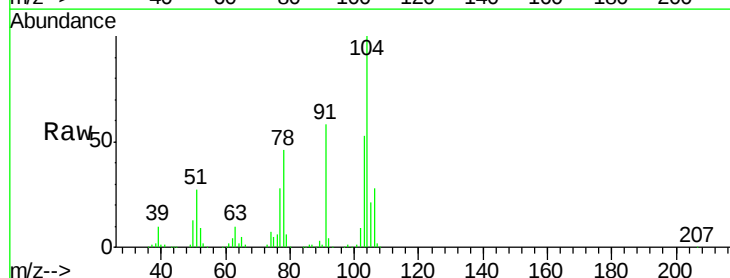
Manual Integrations
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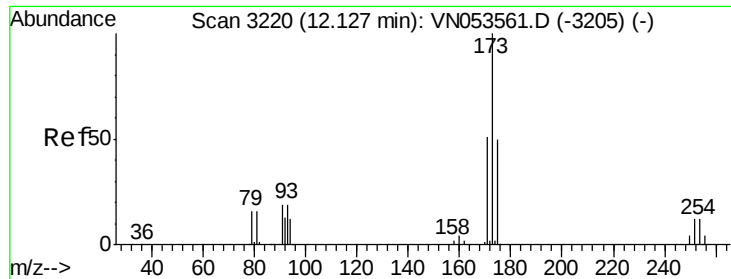
MMDadoda
2/6/2019 12:46:55 PM



#70
Styrene
Concen: 19.230 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion:104 Resp: 379278
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 56.1 44.4 66.6





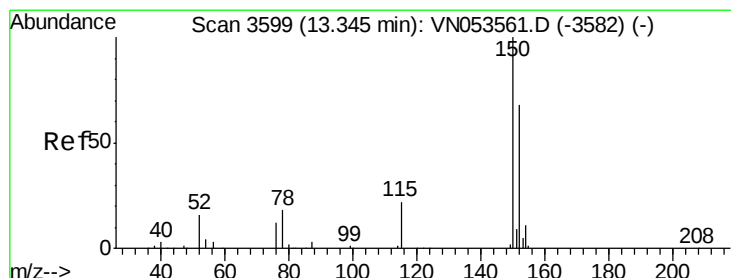
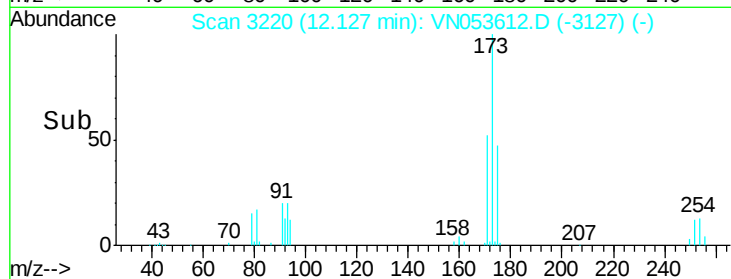
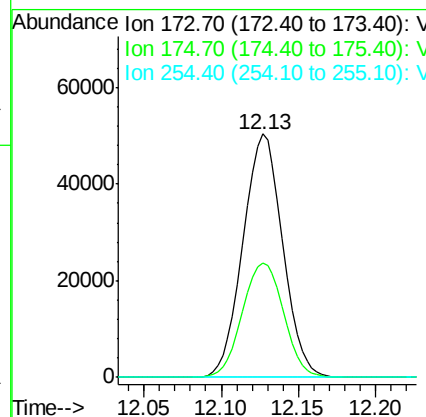
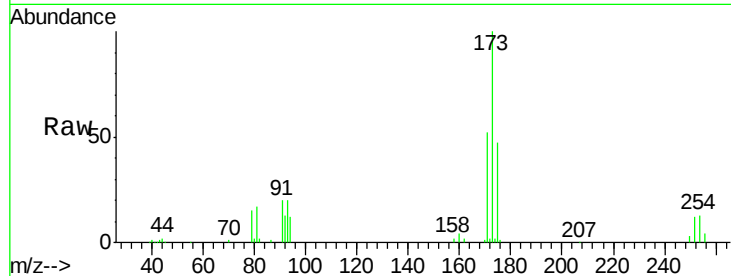
#71
Bromoform
Concen: 18.723 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.0	0.2	0.2

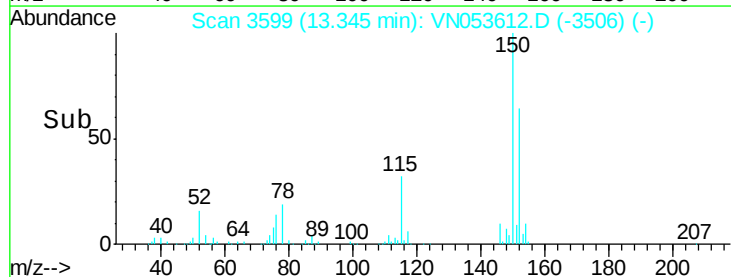
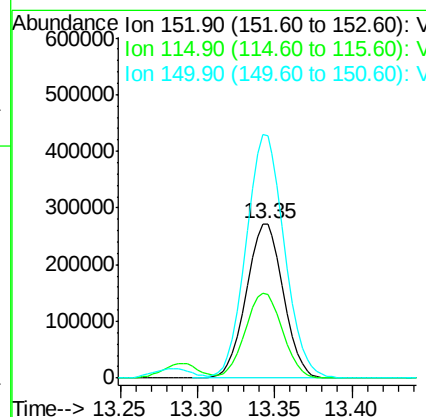
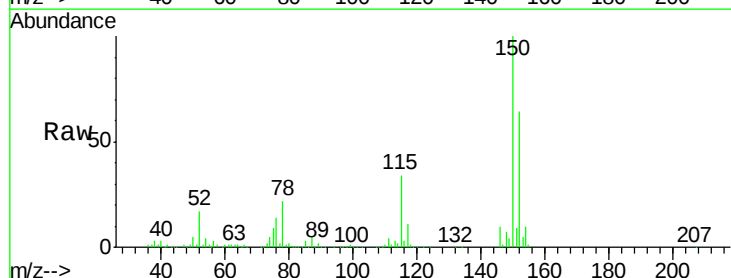
Manual Integrations
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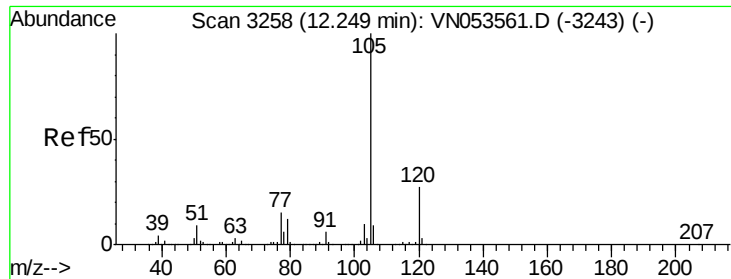
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.8	83.4
150	163.6	0.0	349.0





#73

Isopropylbenzene

Concen: 19.777 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBS01

Tot Ion: 105 Resp: 629806

Ion Ratio Lower Upper

105 100

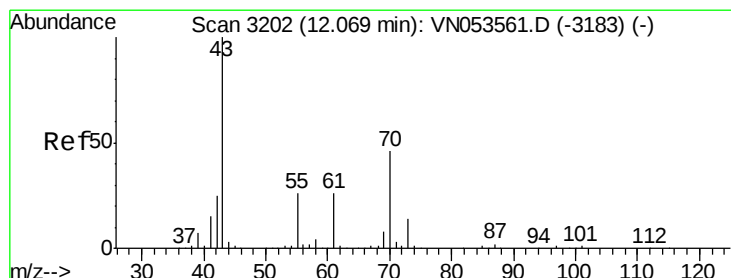
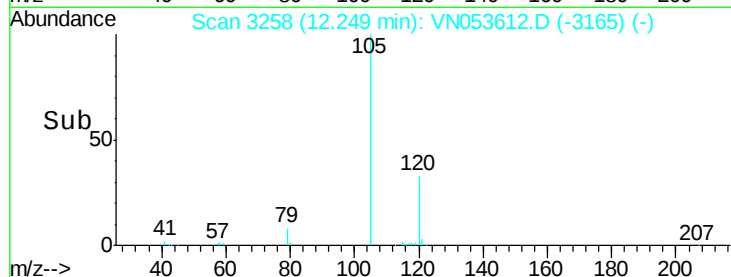
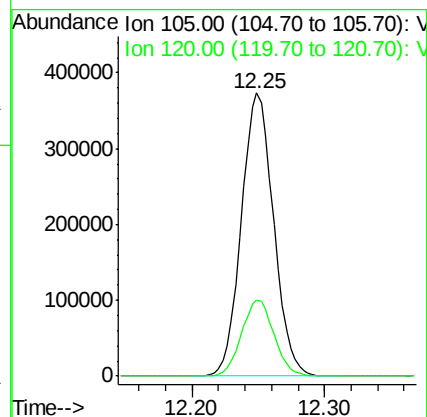
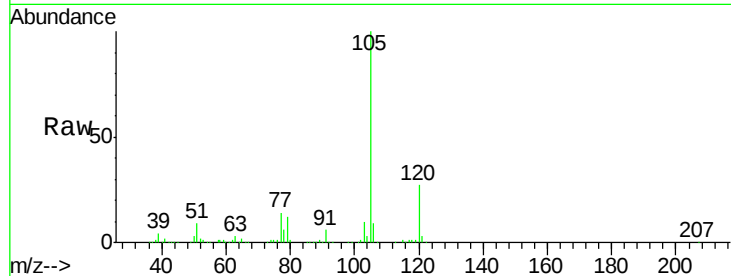
120 27.1 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.910 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Tgt Ion: 43 Resp: 137148

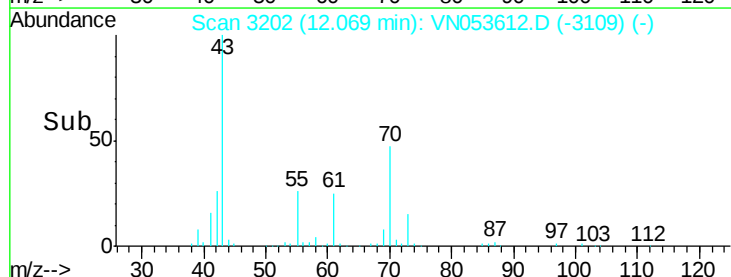
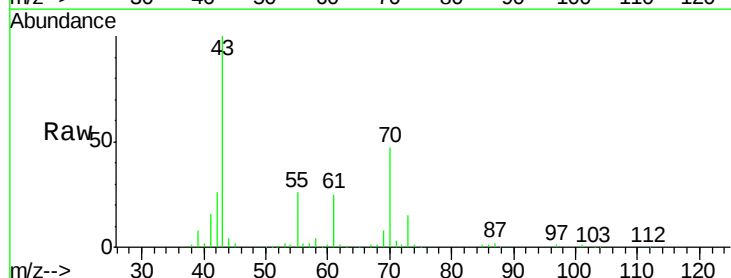
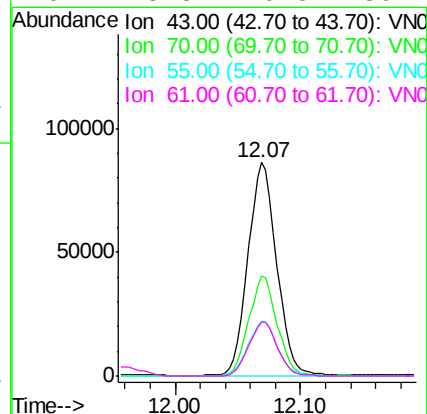
Ion Ratio Lower Upper

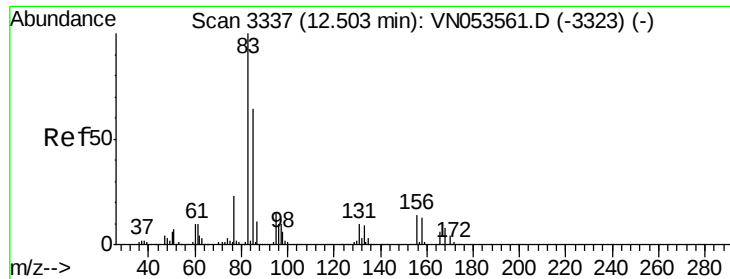
43 100

70 46.0 35.4 53.2

55 26.5 20.9 31.3

61 25.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.222 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

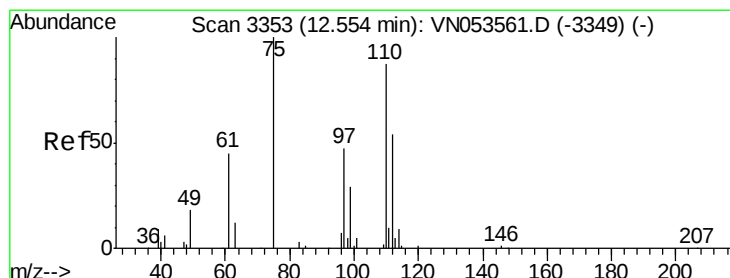
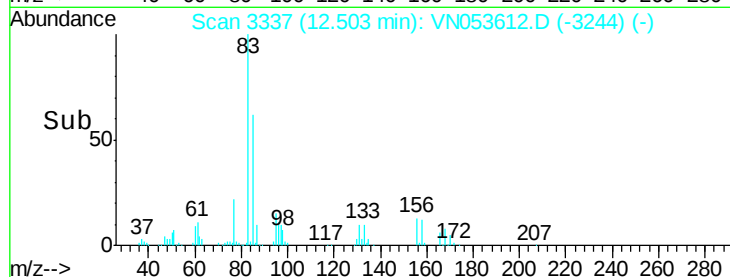
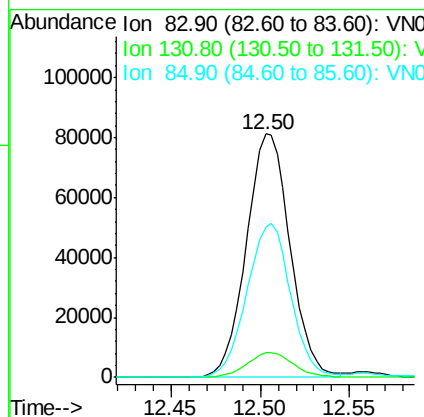
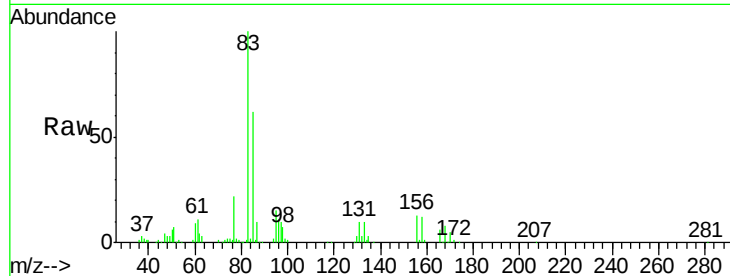
ClientSampled :

VN0205WBS01

Tot Ion:	83	Resp:	138877
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.8
85	63.3	32.1	96.3

Manual Integrations
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2/6/2019 12:46:55 PM



#76

1,2,3-Trichloropropane

Concen: 19.768 ug/l m

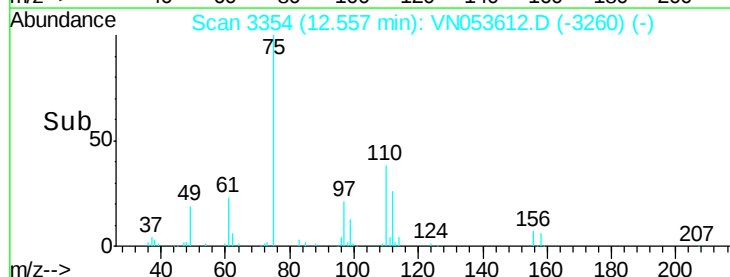
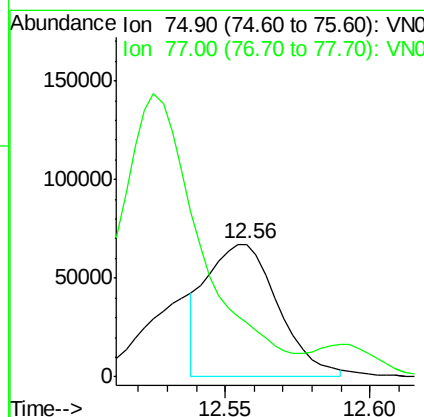
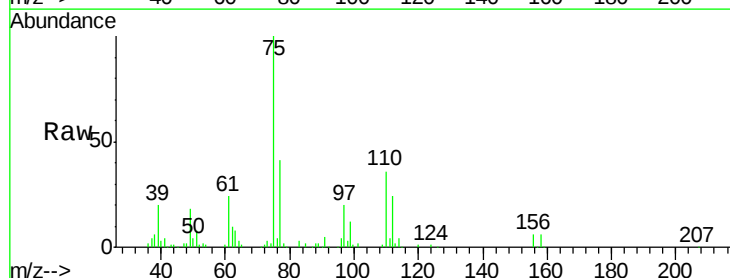
RT: 12.56 min Scan# 3354

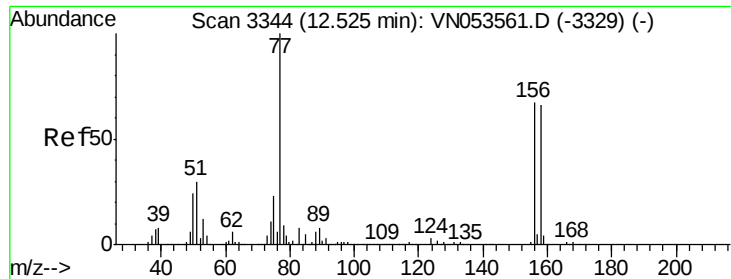
Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Tgt Ion:	75	Resp:	115021
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.060 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

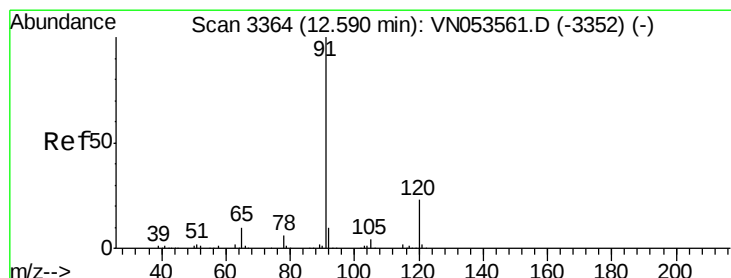
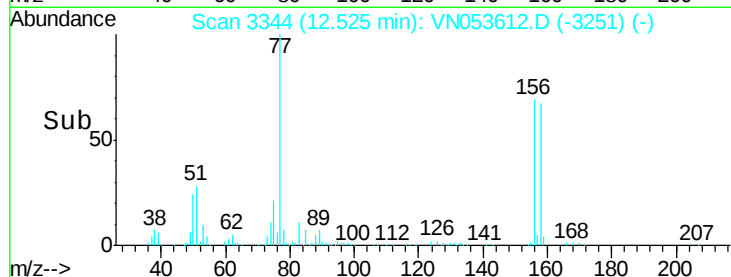
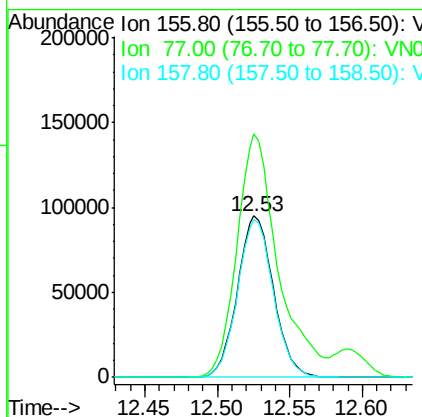
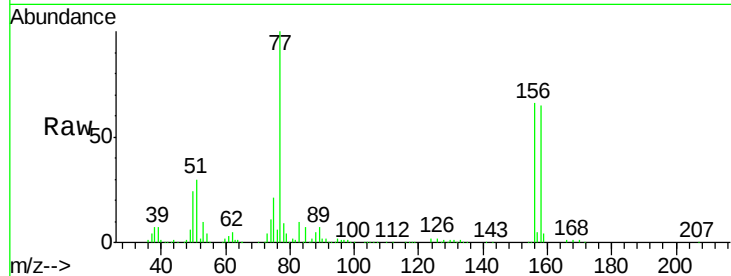
ClientSampleId :

VN0205WBS01

Tot Ion:	156	Resp:	163581
Ion Ratio	Lower	Upper	
156	100		
77	173.8	87.9	263.8
158	97.4	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 19.647 ug/l

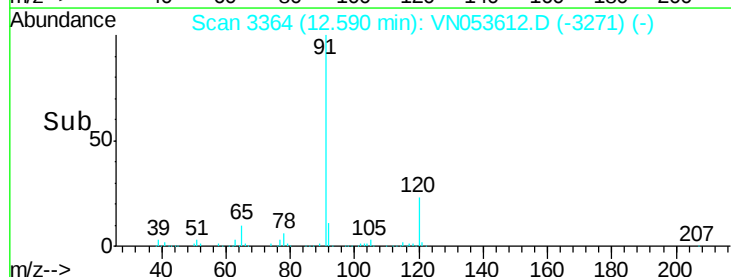
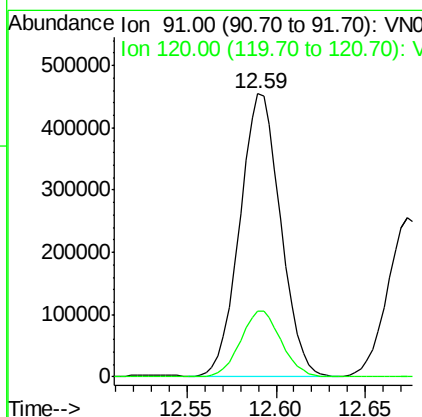
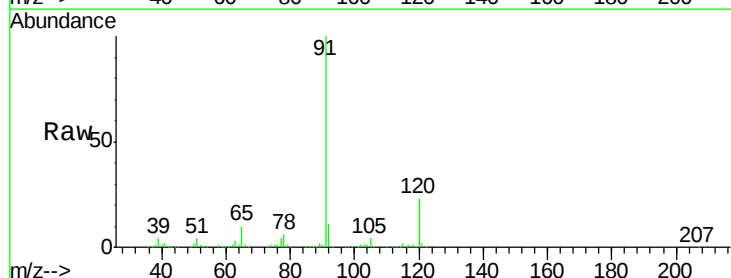
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Tgt Ion:	91	Resp:	723285
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.426 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBS01

Tot Ion: 91 Resp: 424279

Ion Ratio Lower Upper

91 100

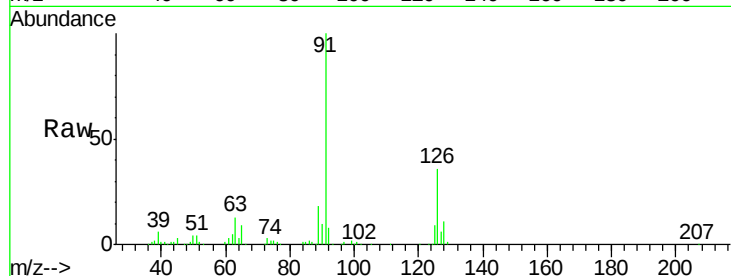
126 36.2 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)

400000

300000

200000

100000

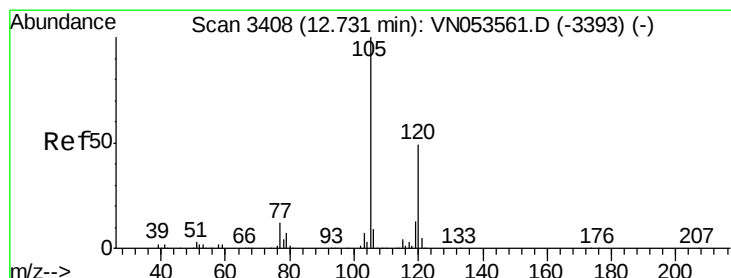
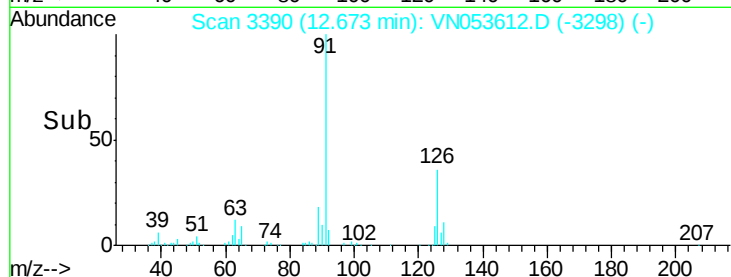
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.345 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053612.D

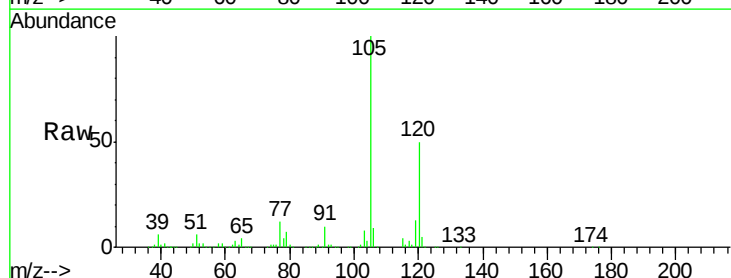
Acq: 5 Feb 2019 11:49

Tgt Ion: 105 Resp: 537275

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)

400000

300000

200000

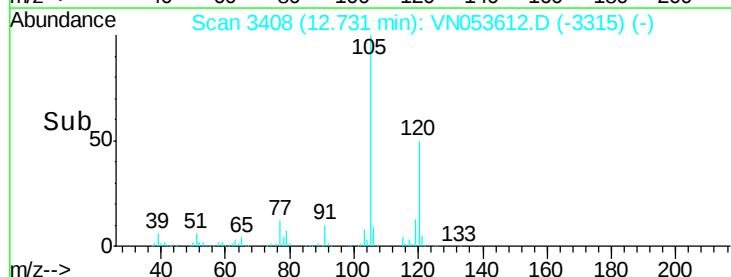
100000

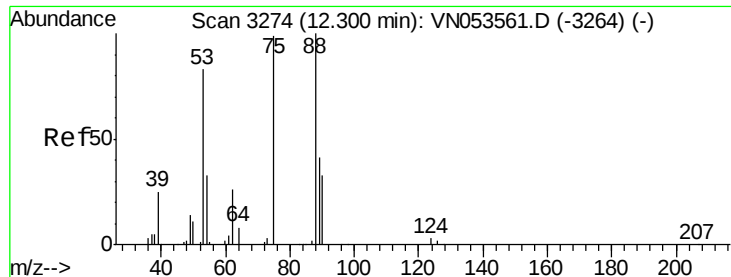
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.243 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

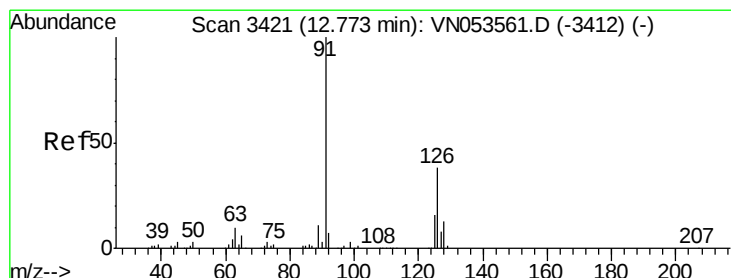
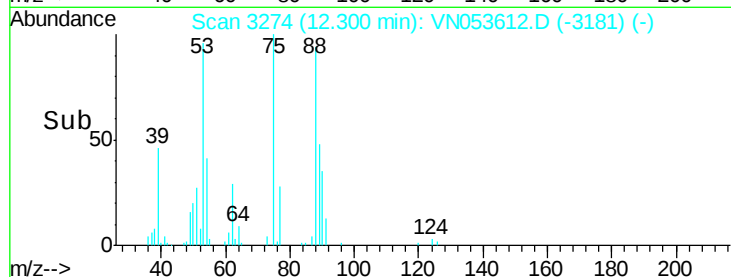
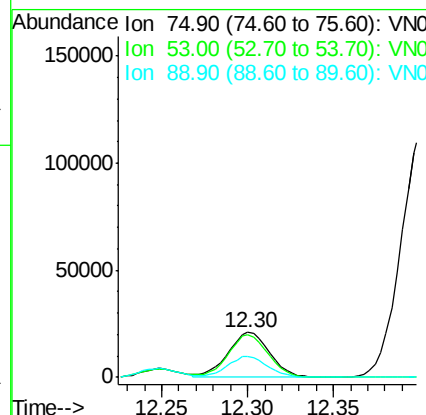
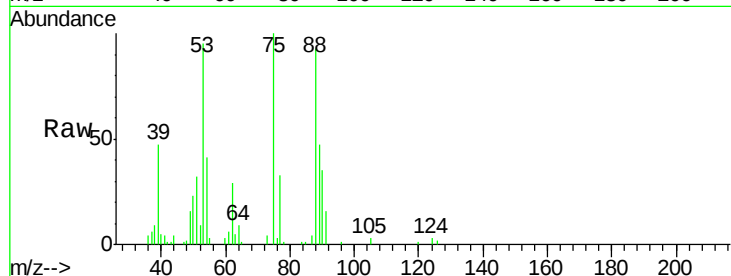
ClientSampled :

VN0205WBS01

Tot Ion:	75	Resp:	35679
Ion	Ratio	Lower	Upper
75	100		
53	90.9	69.8	104.6
89	44.9	35.6	53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.494 ug/l

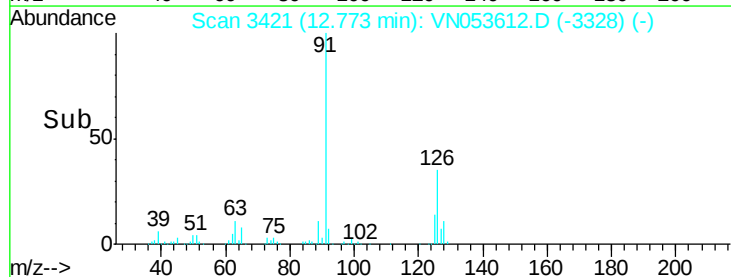
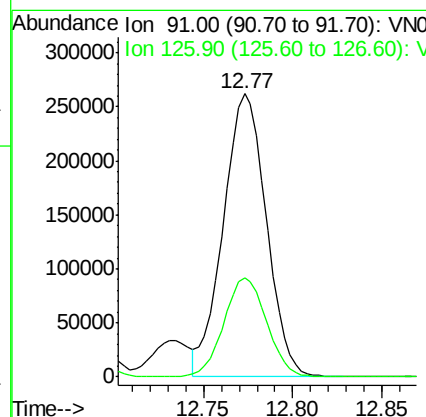
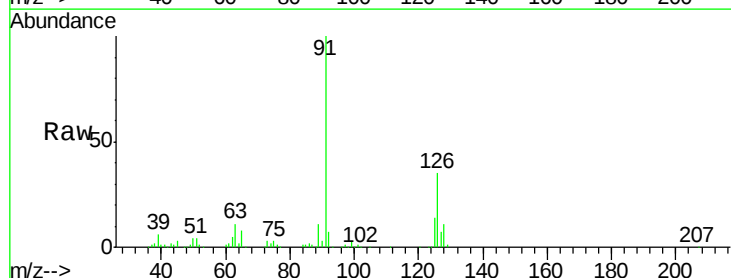
RT: 12.77 min Scan# 3421

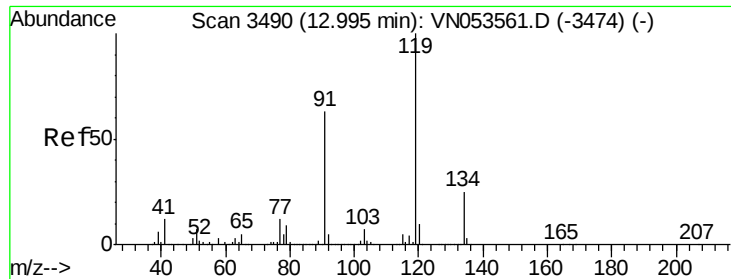
Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Tgt Ion:	91	Resp:	436885
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.6	52.9





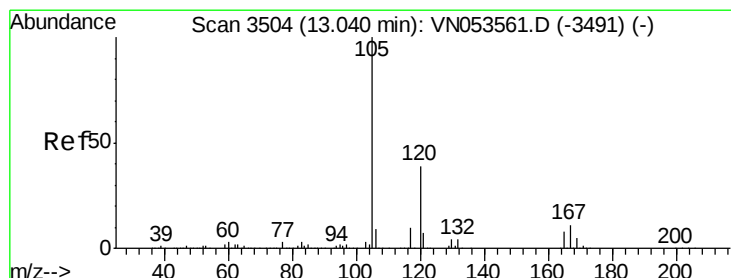
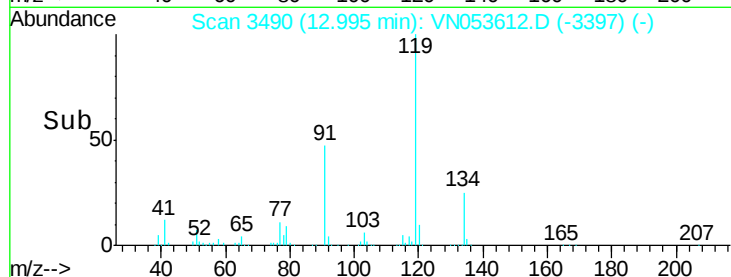
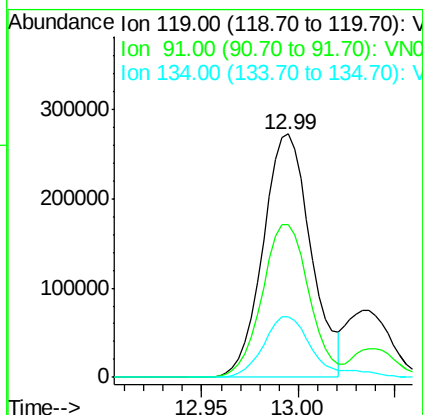
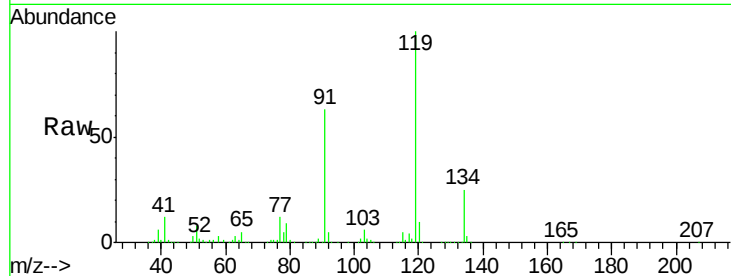
#83
tert-Butylbenzene
Concen: 20.164 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	31.3	93.8
134	26.0	12.9	38.7

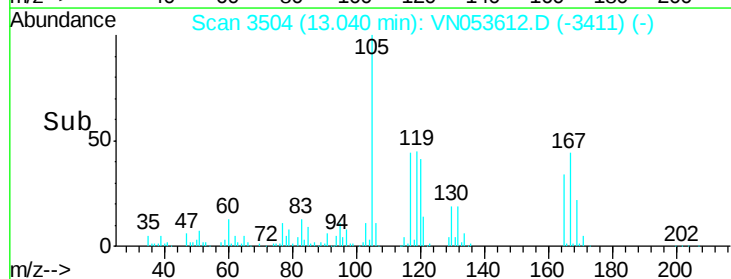
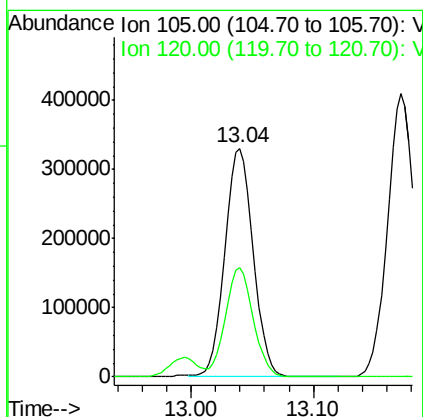
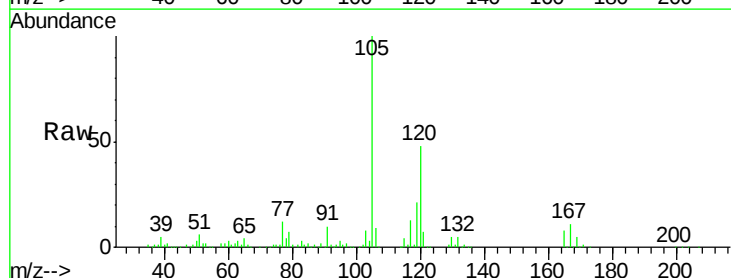
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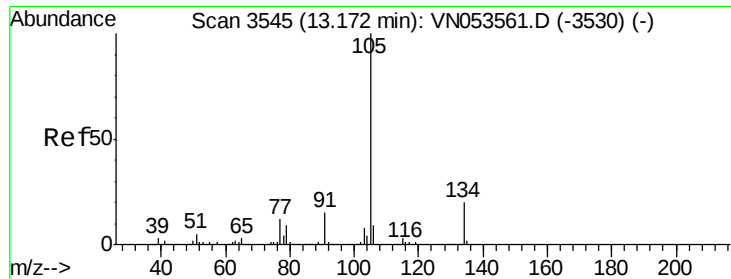
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#84
1,2,4-Trimethylbenzene
Concen: 20.010 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.0	69.0





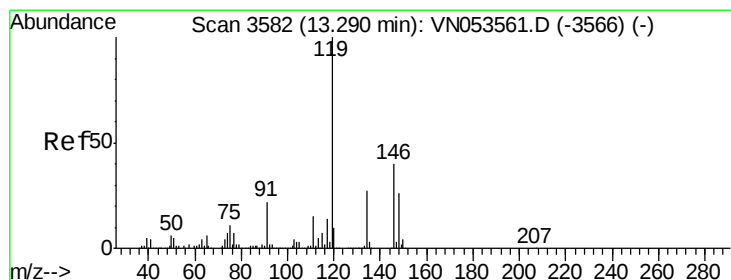
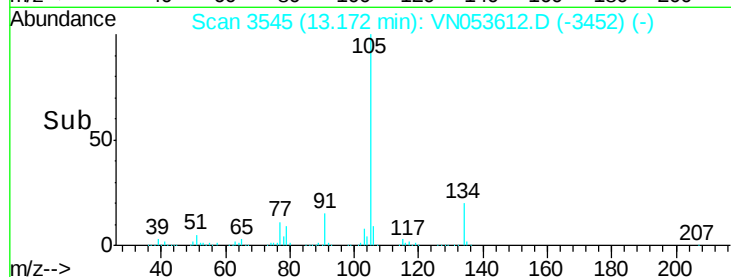
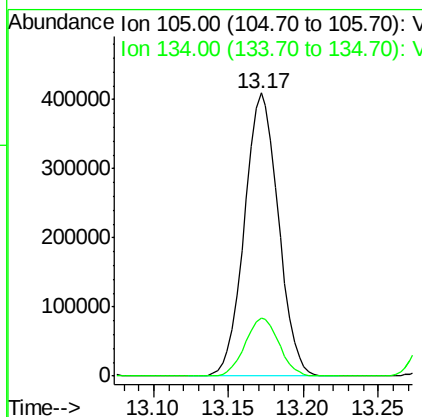
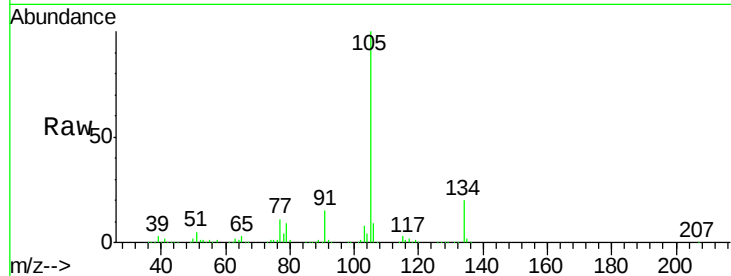
#85
 sec-Butylbenzene
 Concen: 20.331 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0205WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.2	30.6

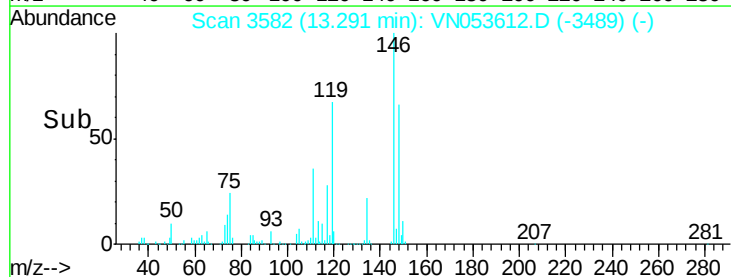
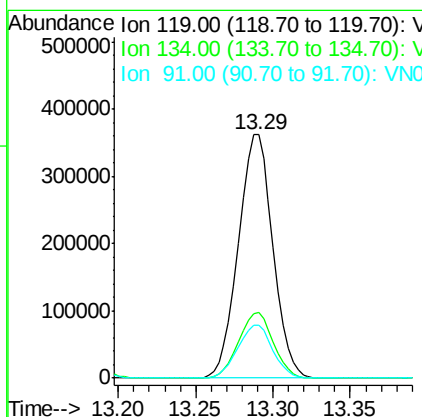
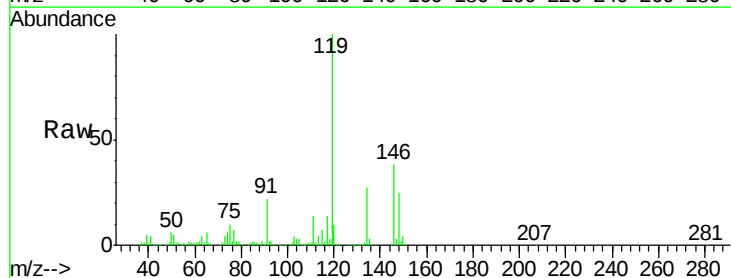
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 20.180 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.4
91	22.0	11.0	33.0





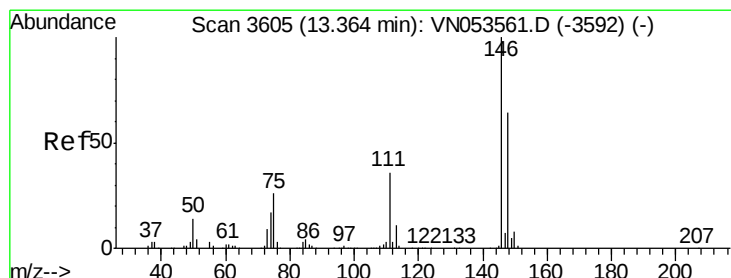
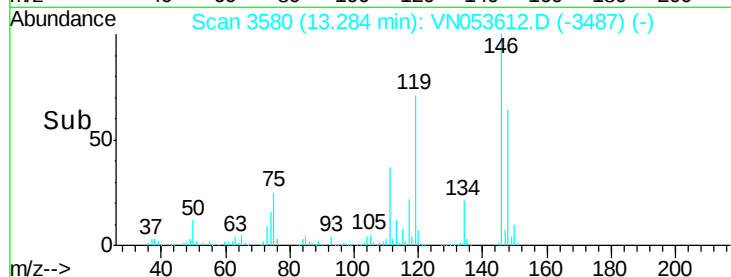
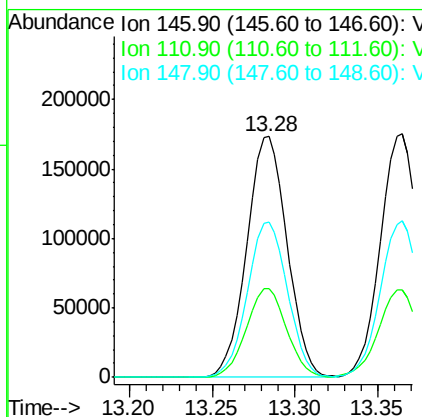
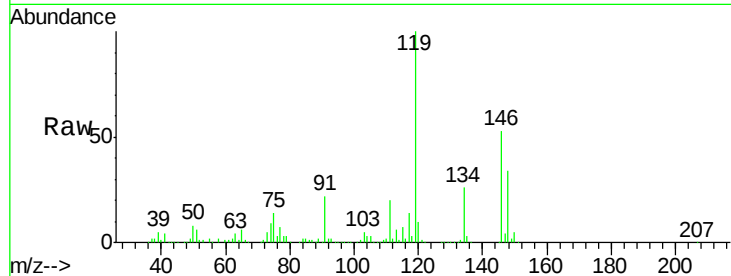
#87
 1,3-Dichlorobenzene
 Concen: 18.986 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	292934		
111	36.7	18.8	56.3	
148	64.1	32.0	96.2	

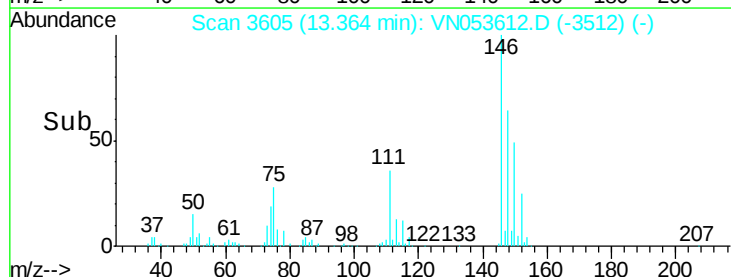
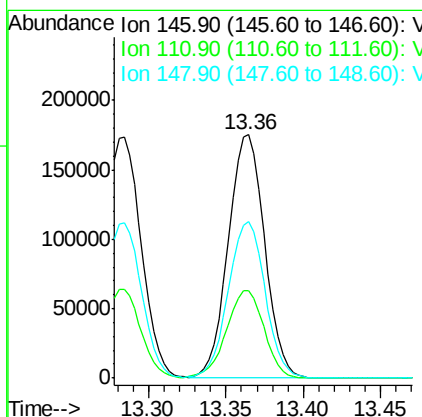
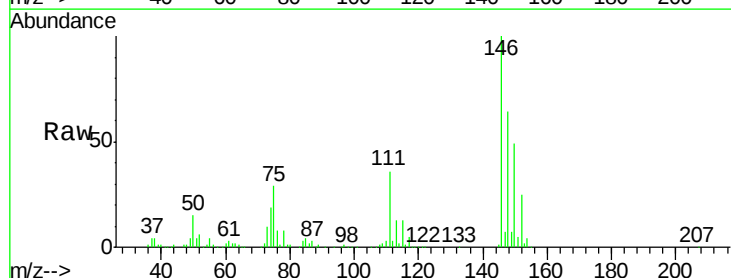
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 18.764 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	286373		
111	37.3	18.6	55.8	
148	65.2	32.4	97.0	





#89

n-Butylbenzene

Concen: 19.723 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Instrument :

MSVOA_N

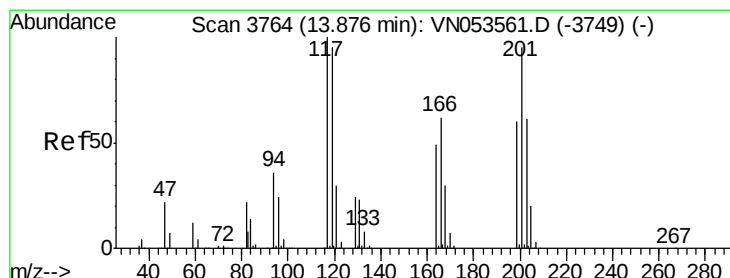
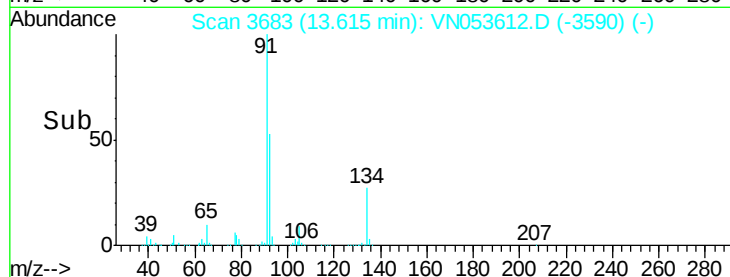
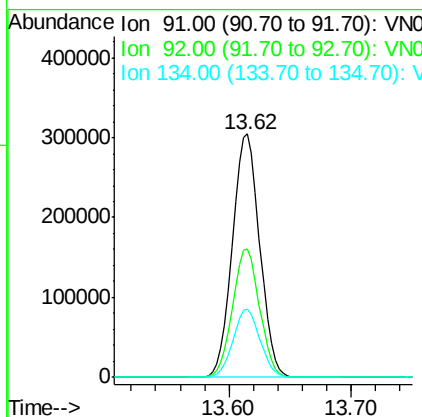
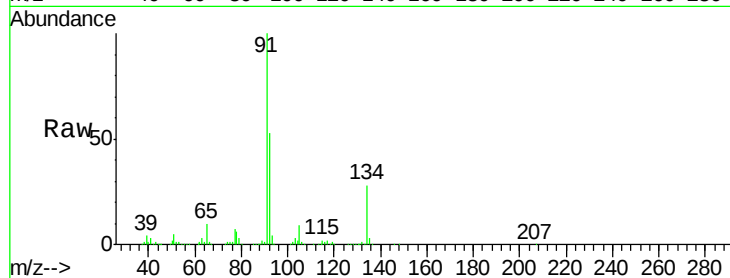
ClientSampled :

VN0205WBS01

Tot Ion:	91	Resp:	474195
Ion Ratio	Lower	Upper	
91	100		
92	52.1	26.3	78.8
134	27.5	13.5	40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 20.015 ug/l

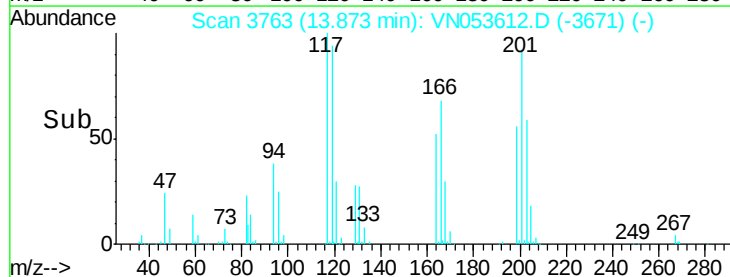
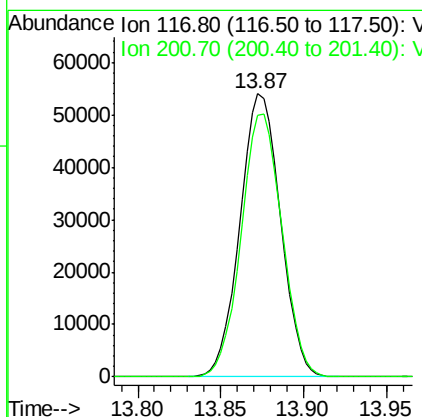
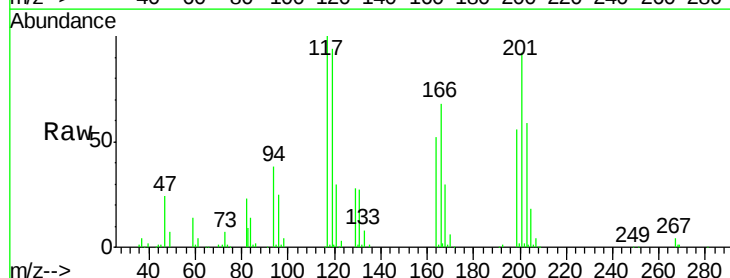
RT: 13.87 min Scan# 3763

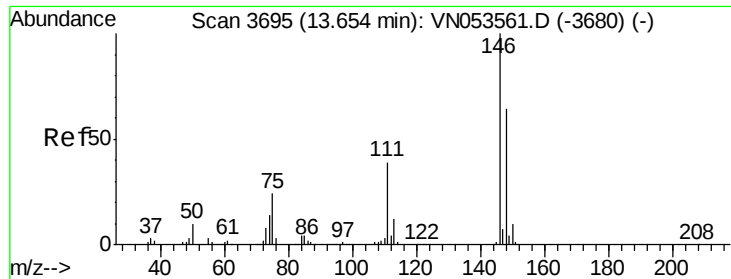
Delta R.T. -0.00 min

Lab File: VN053612.D

Acq: 5 Feb 2019 11:49

Tgt Ion:	117	Resp:	91707
Ion Ratio	Lower	Upper	
117	100		
201	93.6	46.8	140.4





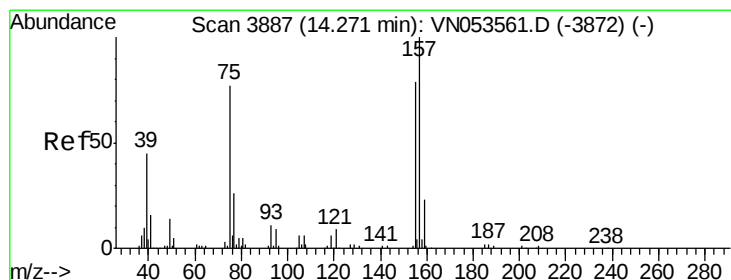
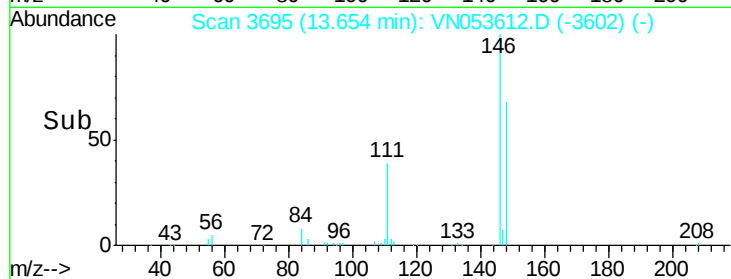
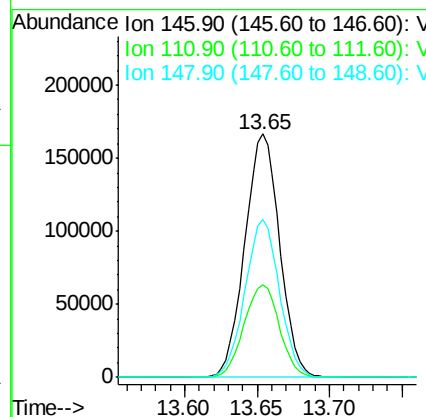
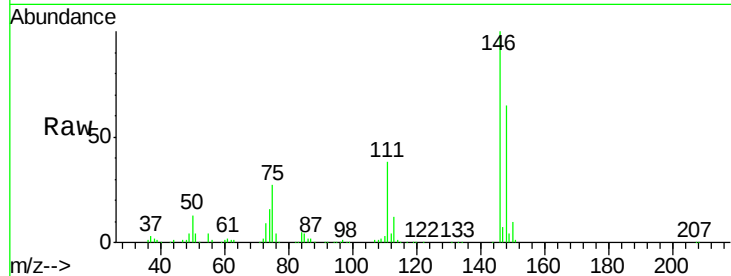
#91
 1,2-Dichlorobenzene
 Concen: 18.823 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0205WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.2	31.9	95.9

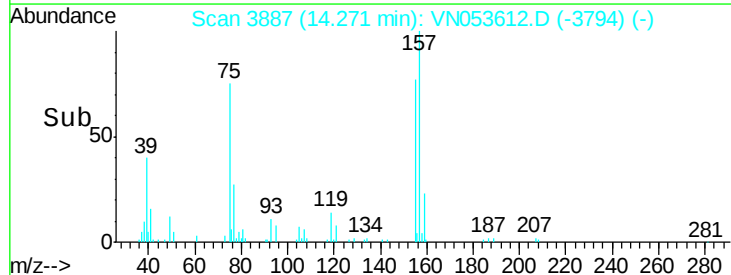
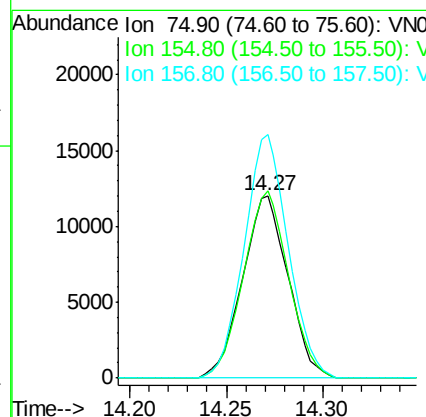
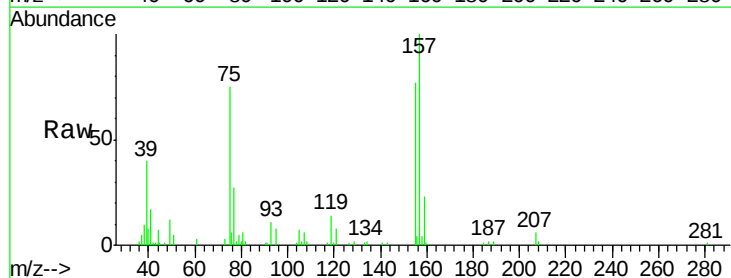
Manual Integrations
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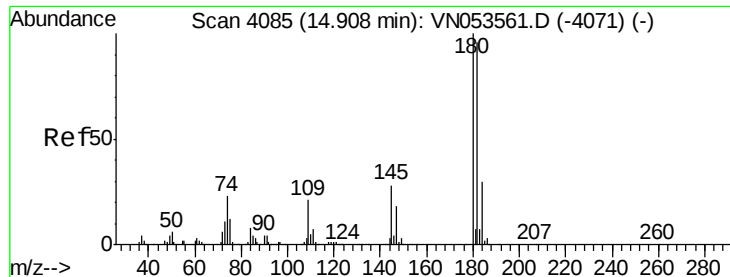
MMDadoda
 2/6/2019 12:46:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.092 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	48.9	146.7
157	130.0	63.7	191.3





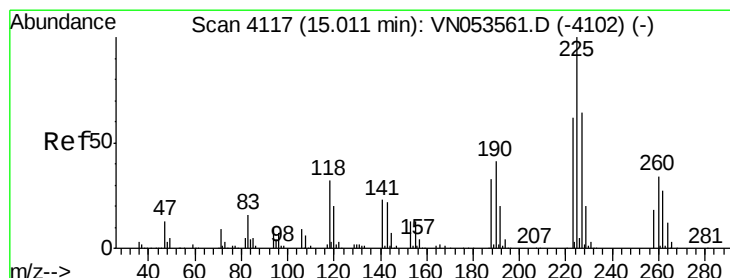
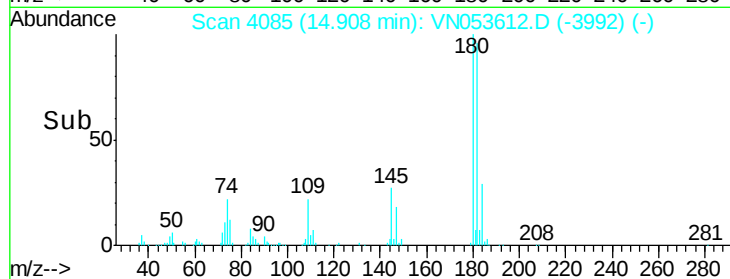
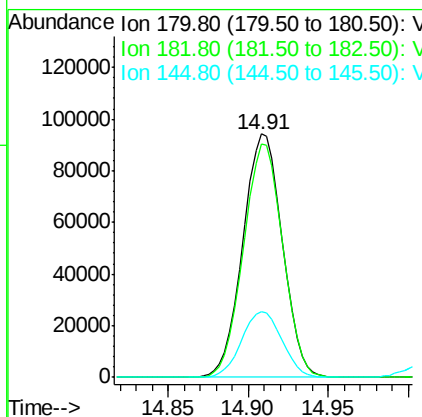
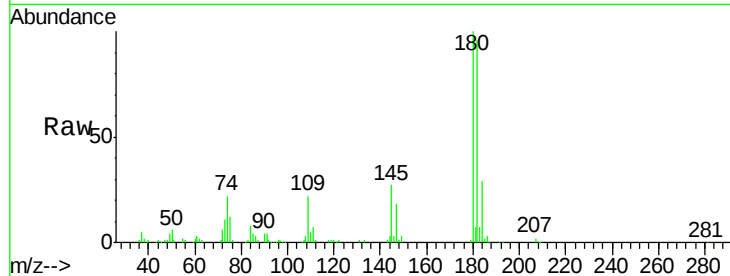
#93
 1,2,4-Trichlorobenzene
 Concen: 18.718 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	48.1	144.3	
145	27.6	13.9	41.6	

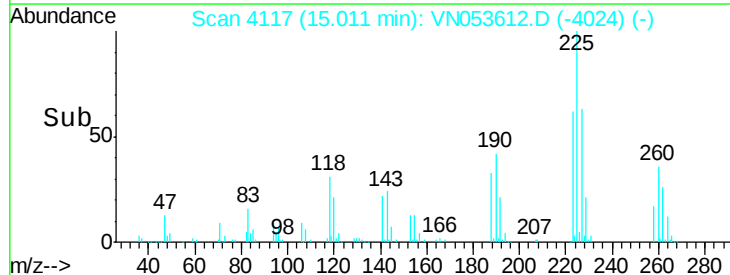
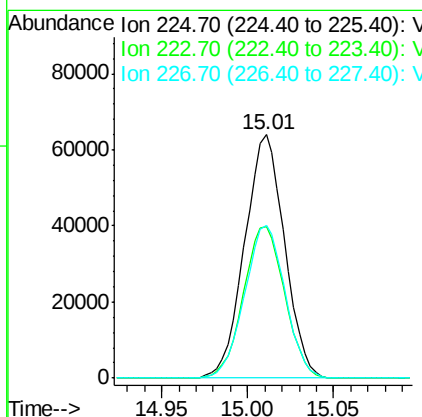
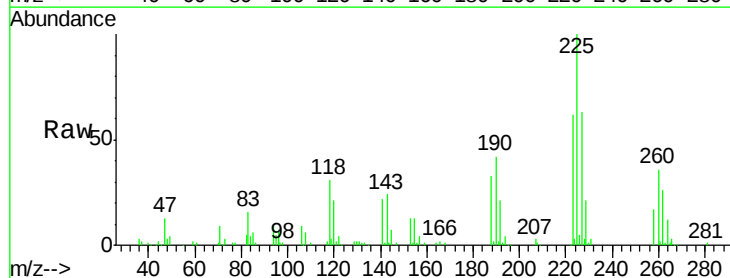
Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:46:55 PM



#94
 Hexachlorobutadiene
 Concen: 19.542 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053612.D
 Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	31.1	93.2	
227	63.6	32.0	96.2	





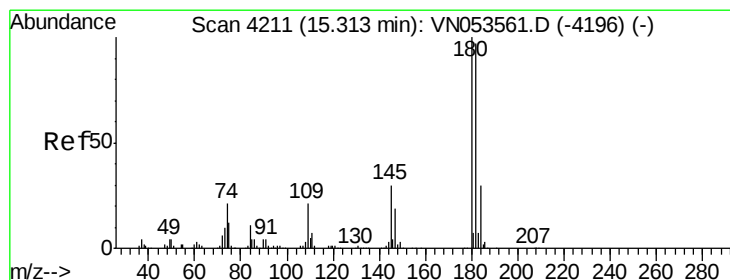
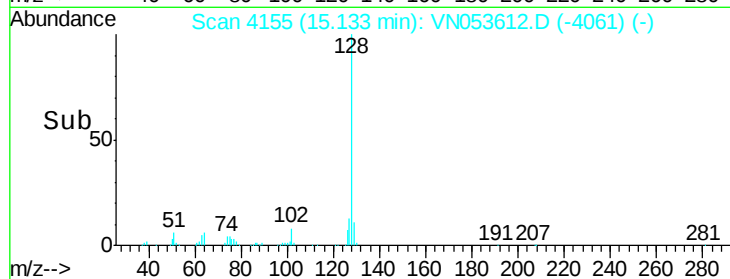
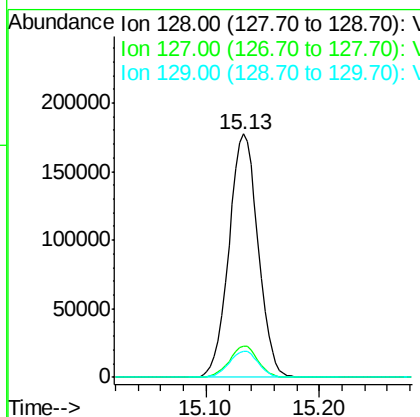
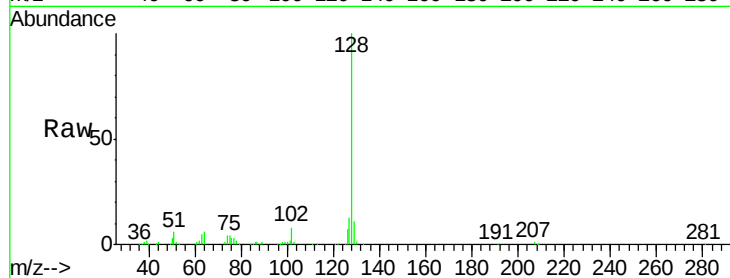
#95
Naphthalene
Concen: 17.123 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	317196		
127	12.5		10.3	15.5
129	10.8		8.6	13.0

Manual Integrations
APPROVED

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2/6/2019 12:46:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.640 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053612.D
Acq: 5 Feb 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	146512		
182	97.7		47.9	143.8
145	29.3		14.7	44.1

