

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053882.D
 Acq On : 21 Feb 2019 10:35
 Operator : JC/SP
 Sample : VN0221WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 10:30:08 AM

Quant Time: Feb 22 01:00:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	959715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	850790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	388157	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	321932	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	7.59	113	308388	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	10.09	98	1145122	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	368524	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	108687	19.699	ug/l	98
3) Chloromethane	2.06	50	133768	19.502	ug/l	99
4) Vinyl Chloride	2.19	62	149693	20.331	ug/l	99
5) Bromomethane	2.58	94	113199	20.994	ug/l	100
6) Chloroethane	2.71	64	96769	20.335	ug/l	98
7) Trichlorofluoromethane	3.02	101	206950	19.793	ug/l	99
8) Diethyl Ether	3.41	74	69184	18.823	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	119096	18.901	ug/l	100
10) Methyl Iodide	3.96	142	170694	18.267	ug/l	100
11) Tert butyl alcohol	4.78	59	38636	95.362	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	113436	19.249	ug/l	98
13) Acrolein	3.61	56	40630	140.307	ug/l	97
14) Allyl chloride	4.33	41	167677	18.800	ug/l	96
15) Acrylonitrile	4.99	53	208343	102.078	ug/l	99
16) Acetone	3.82	43	165046	92.468	ug/l	99
17) Carbon Disulfide	4.06	76	344650	18.882	ug/l	98
18) Methyl Acetate	4.32	43	80199	19.038	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	303930	20.327	ug/l	98
20) Methylene Chloride	4.55	84	129435	19.370	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	123596	19.982	ug/l	98
22) Diisopropyl ether	5.95	45	340934	20.506	ug/l	96
23) Vinyl Acetate	5.90	43	1228693	102.798	ug/l	99
24) 1,1-Dichloroethane	5.85	63	226519	20.123	ug/l	100
25) 2-Butanone	6.84	43	225474	97.896	ug/l	95
26) 2,2-Dichloropropane	6.82	77	167519	19.611	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	139305	20.105	ug/l	99
28) Bromochloromethane	7.20	49	93699	19.072	ug/l	100
29) Tetrahydrofuran	7.21	42	156303	104.935	ug/l	99
30) Chloroform	7.37	83	224828	19.877	ug/l	100
31) Cyclohexane	7.66	56	207229	19.779	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	188173	19.444	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165227	18.782	ug/l	100
37) Ethyl Acetate	6.93	43	104962	19.955	ug/l	99
38) Carbon Tetrachloride	7.77	117	171397	19.514	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196247	19.360	ug/l	97
40) Benzene	8.04	78	510948	19.647	ug/l	99
41) Methacrylonitrile	7.18	41	54143	18.600	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	154077	19.874	ug/l	99
43) Isopropyl Acetate	8.16	43	172823	18.418	ug/l #	91
44) Trichloroethene	8.84	130	142460	19.568	ug/l	97
45) 1,2-Dichloropropane	9.12	63	137333	20.684	ug/l	99
46) Dibromomethane	9.21	93	83225	20.818	ug/l	99
47) Bromodichloromethane	9.40	83	168823	20.018	ug/l	99
48) Methyl methacrylate	9.20	41	79669	19.803	ug/l	92
49) 1,4-Dioxane	9.20	88	25279	401.573	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	454829	98.403	ug/l	99
52) Toluene	10.16	92	317813	20.622	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	161914	19.771	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	196182	20.325	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	117803	20.910	ug/l	99
56) Ethyl methacrylate	10.43	69	128379	19.310	ug/l	98
57) 1,3-Dichloropropane	10.71	76	193538	20.403	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	273008	92.508	ug/l	99
59) 2-Hexanone	10.75	43	289404	98.307	ug/l	100
60) Dibromochloromethane	10.90	129	131202	19.952	ug/l	100
61) 1,2-Dibromoethane	11.01	107	111321	19.889	ug/l	99
64) Tetrachloroethene	10.63	164	144349	18.974	ug/l	99
65) Chlorobenzene	11.43	112	346208	19.441	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	127095	19.558	ug/l	99
67) Ethyl Benzene	11.51	91	565874	19.634	ug/l	100
68) m/p-Xylenes	11.62	106	444990	39.876	ug/l	98
69) o-Xylene	11.95	106	217527	20.248	ug/l	99
70) Styrene	11.96	104	345093	20.470	ug/l	100
71) Bromoform	12.13	173	88876	19.271	ug/l #	97
73) Isopropylbenzene	12.25	105	569827	20.838	ug/l	100
74) N-amyl acetate	12.07	43	122008	19.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	132498	20.495	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112368m	19.720	ug/l	
77) Bromobenzene	12.53	156	148851	20.292	ug/l	98
78) n-propylbenzene	12.59	91	640972	20.961	ug/l	100
79) 2-Chlorotoluene	12.68	91	381098	20.669	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	484941	21.365	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	33506	19.412	ug/l	98
82) 4-Chlorotoluene	12.77	91	382196	20.807	ug/l	100
83) tert-Butylbenzene	12.99	119	426596	20.931	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	484315	21.274	ug/l	100
85) sec-Butylbenzene	13.17	105	572600	20.866	ug/l	99
86) p-Isopropyltoluene	13.29	119	498083	20.913	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	254533	19.885	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251880	19.557	ug/l	99
89) n-Butylbenzene	13.62	91	393584	20.096	ug/l	100
90) Hexachloroethane	13.87	117	87421	19.214	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	251667	20.040	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19533	20.705	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	123432	18.201	ug/l	99
94) Hexachlorobutadiene	15.01	225	97742	18.663	ug/l	99
95) Naphthalene	15.13	128	239417	18.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125634	19.077	ug/l	99

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

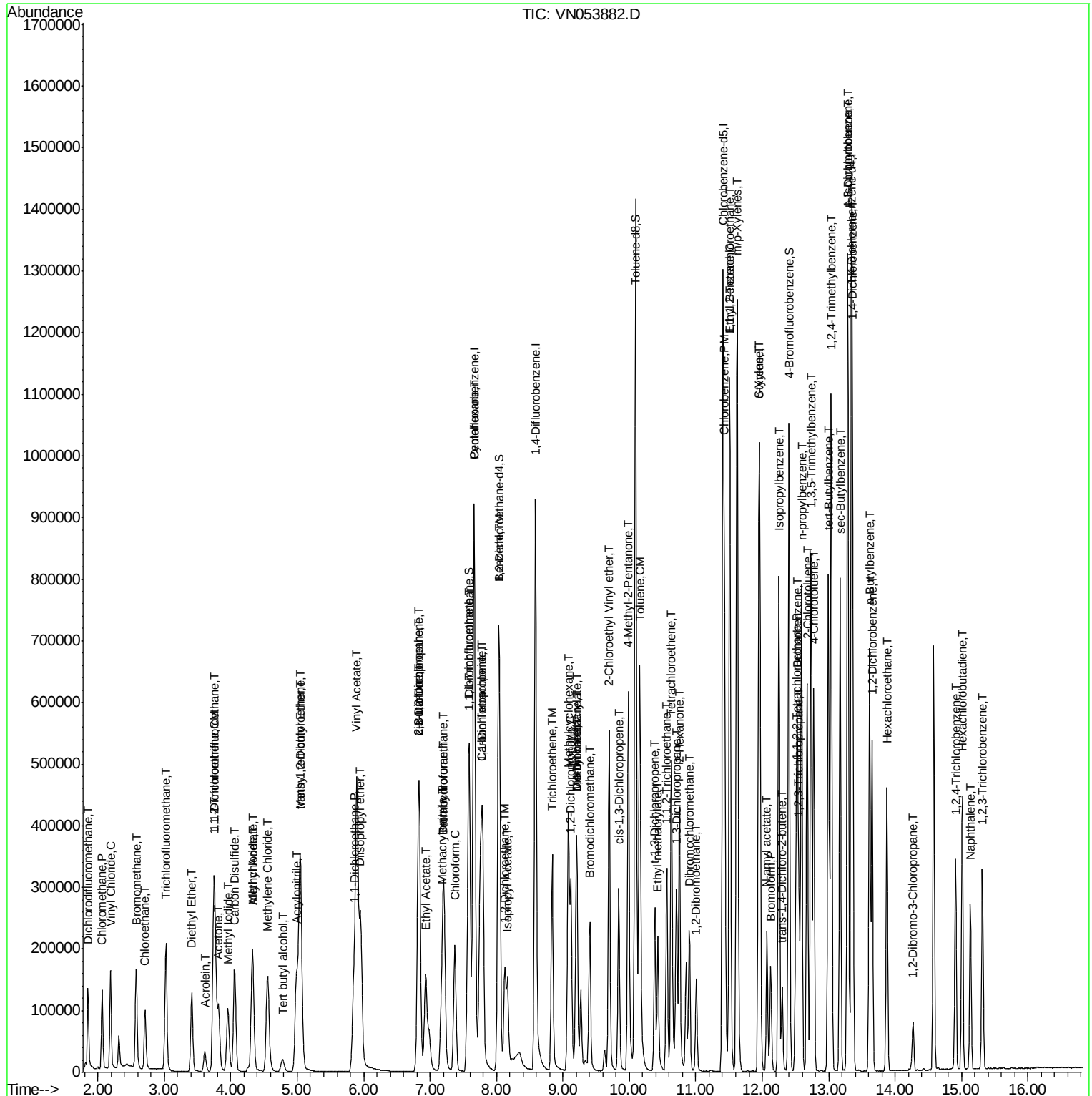
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
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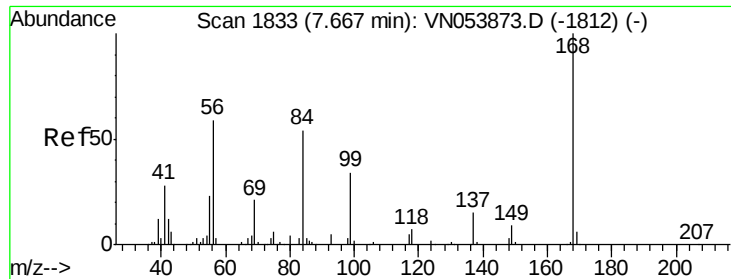
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion:168 Resp: 635043

Ion Ratio Lower Upper

168 100

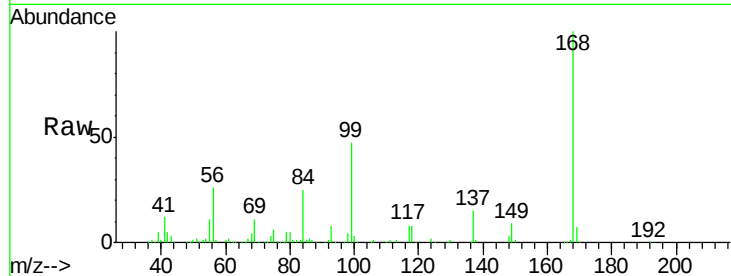
99 45.8 36.9 55.3

Manual Integrations

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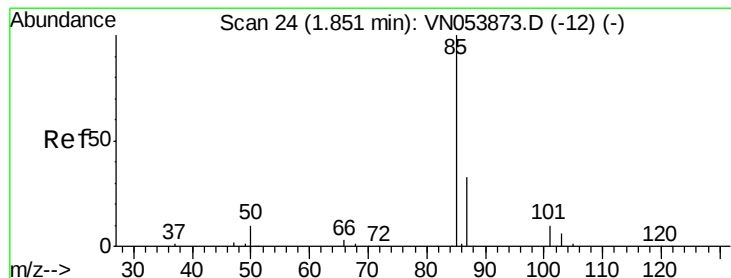
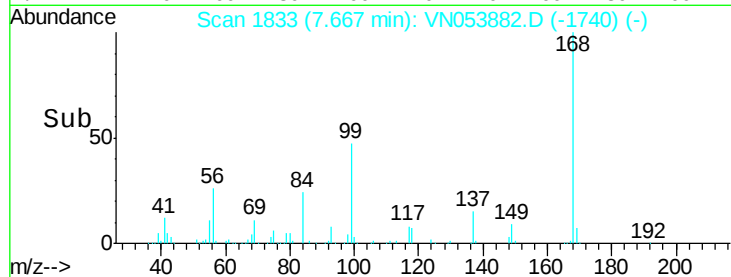
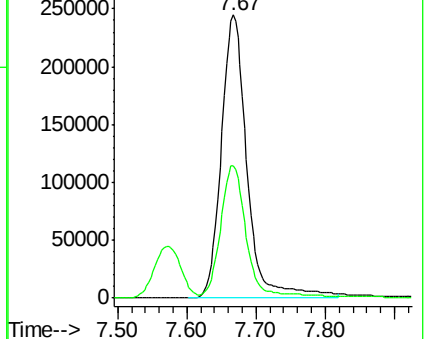
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.699 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053882.D

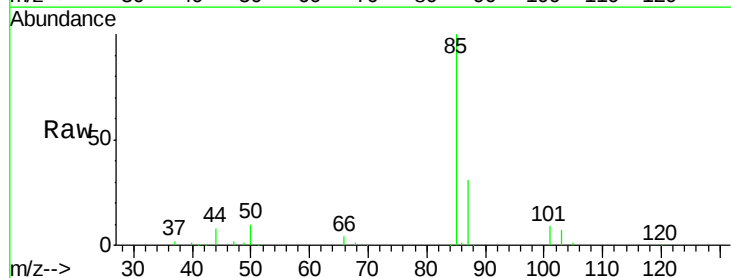
Acq: 21 Feb 2019 10:35

Tgt Ion: 85 Resp: 108687

Ion Ratio Lower Upper

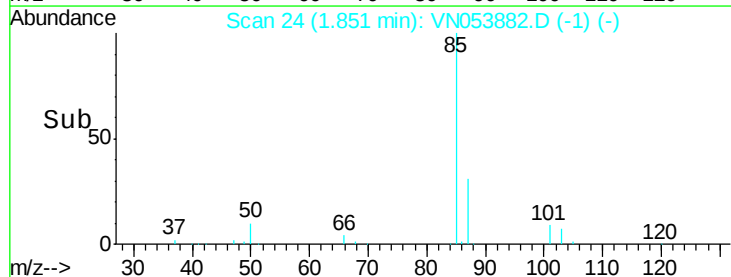
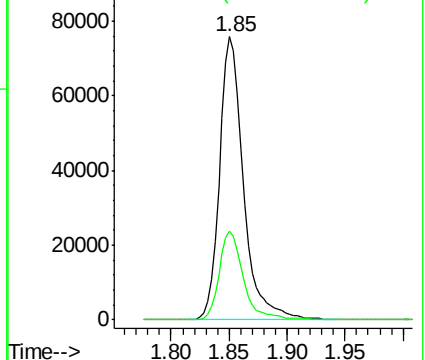
85 100

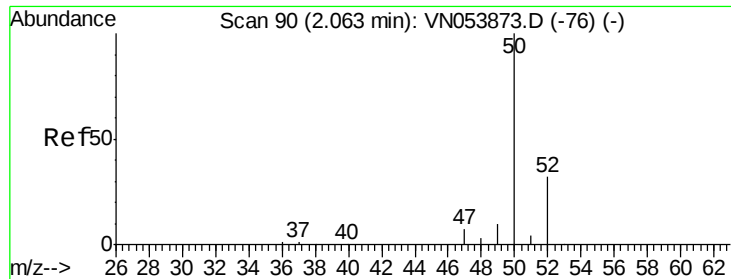
87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.502 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 50 Resp: 133768

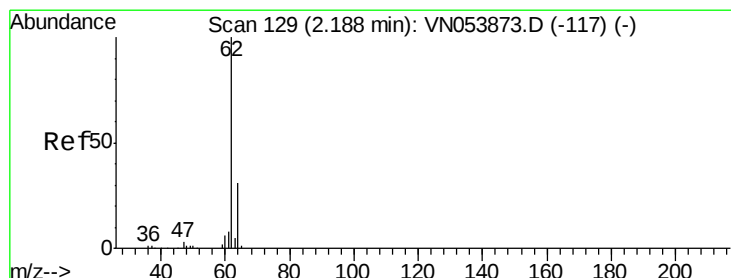
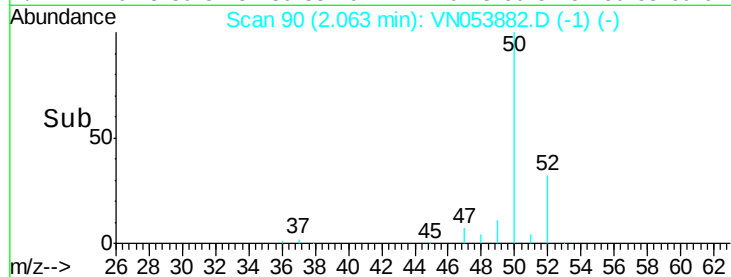
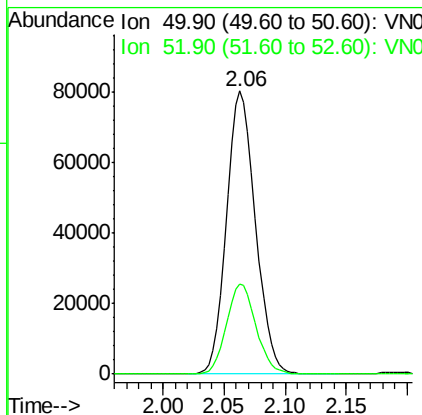
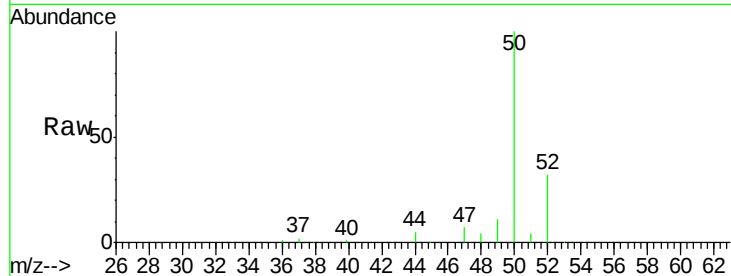
Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0

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#4

Vinyl Chloride

Concen: 20.331 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053882.D

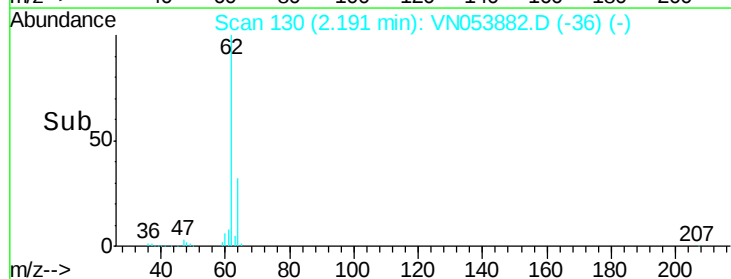
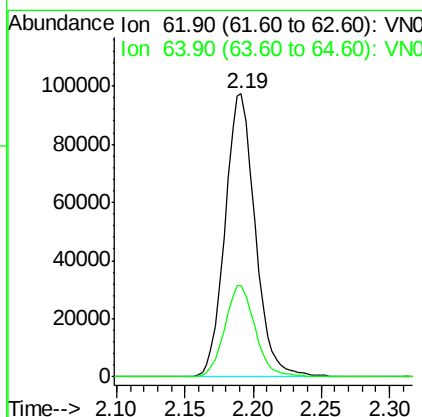
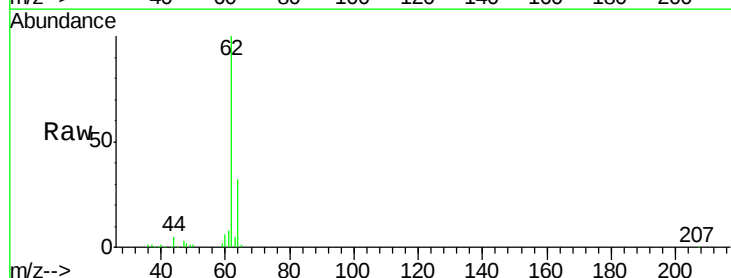
Acq: 21 Feb 2019 10:35

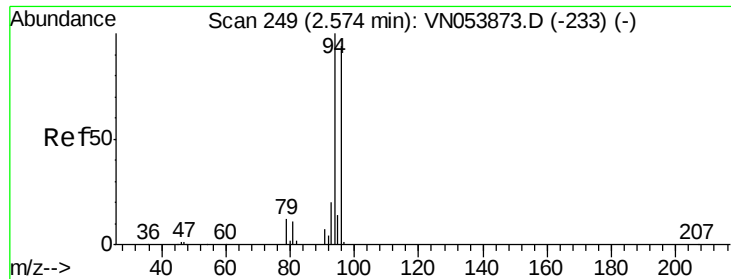
Tgt Ion: 62 Resp: 149693

Ion Ratio Lower Upper

62 100

64 32.2 25.1 37.7





#5

Bromomethane

Concen: 20.994 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

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Tot Ion: 94 Resp: 113199

Ion Ratio Lower Upper

94 100

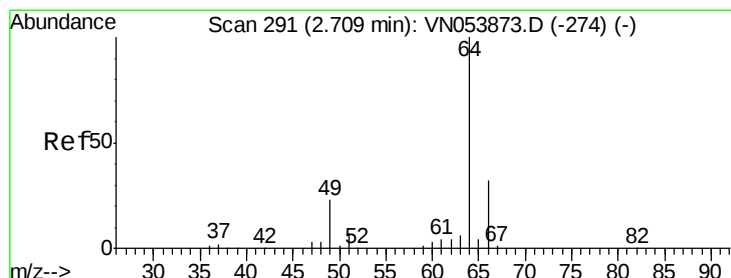
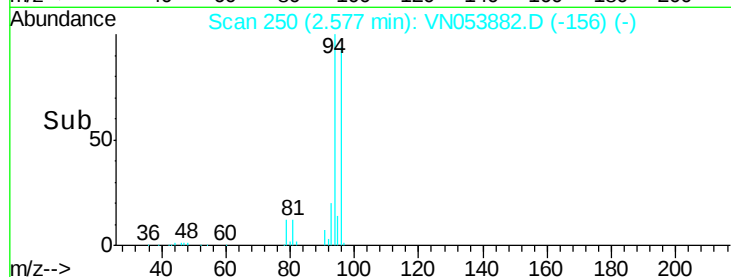
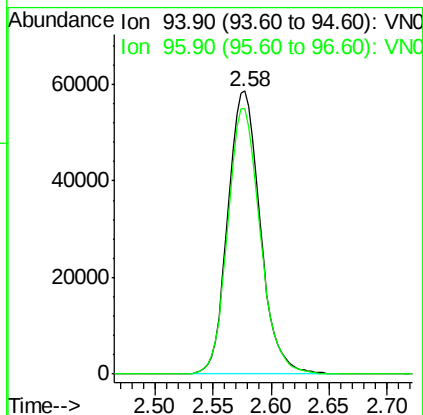
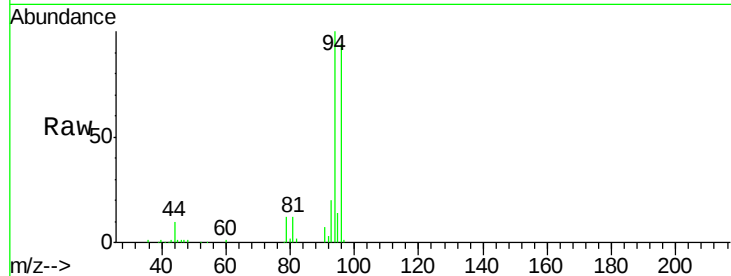
96 93.7 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 20.335 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053882.D

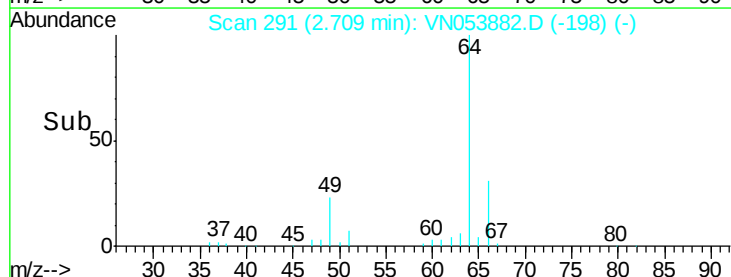
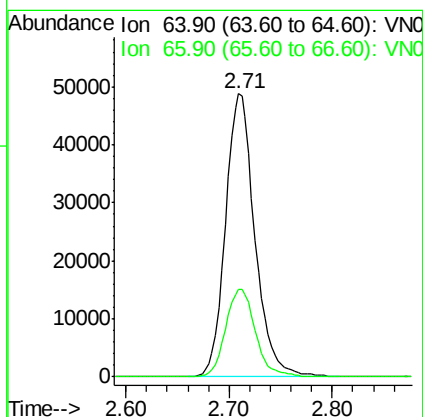
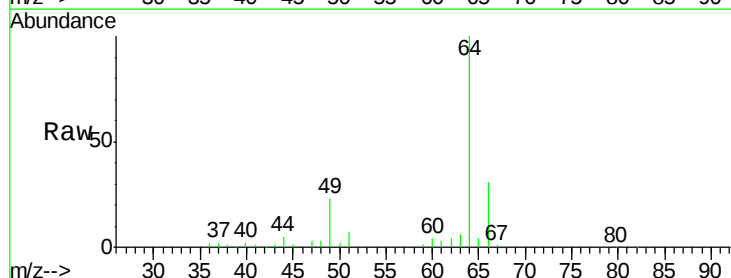
Acq: 21 Feb 2019 10:35

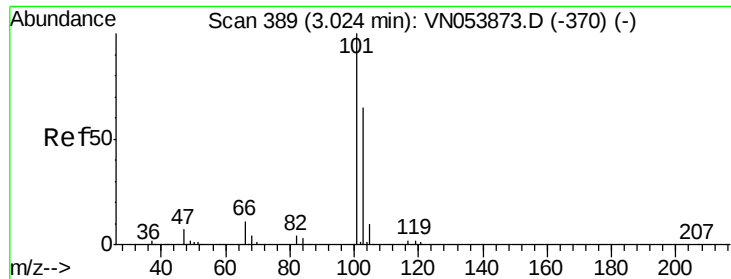
Tgt Ion: 64 Resp: 96769

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3





#7

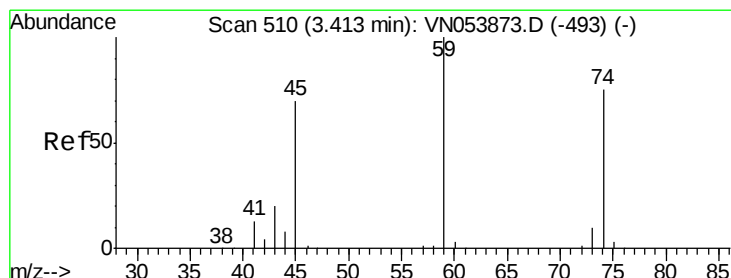
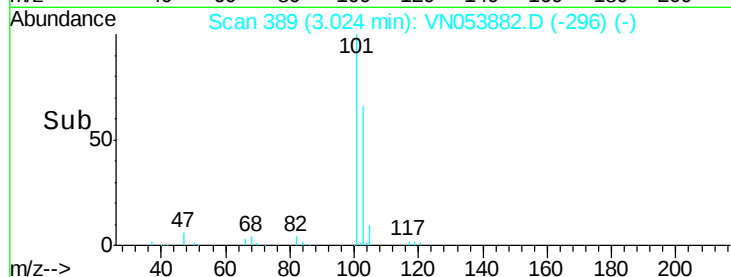
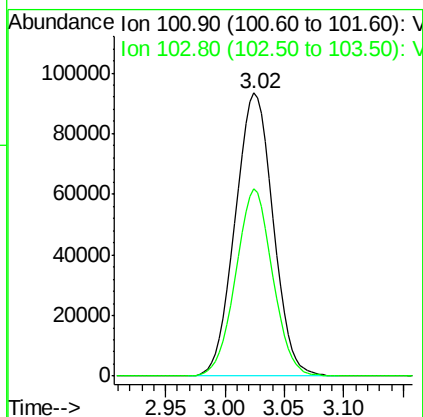
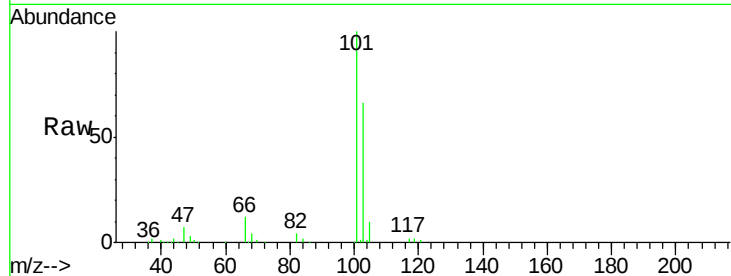
Trichlorofluoromethane
Concen: 19.793 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
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ClientSampled :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.9	77.9

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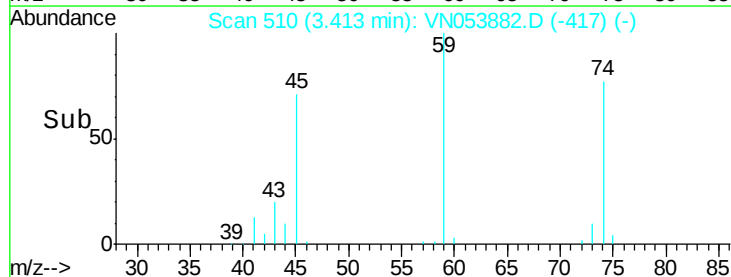
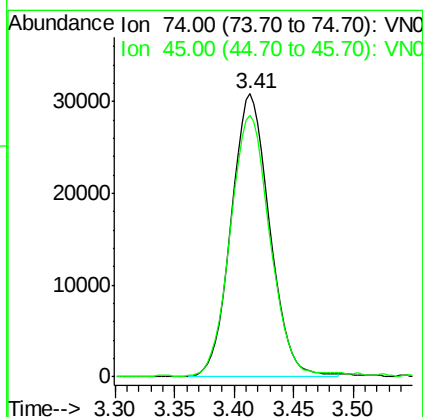
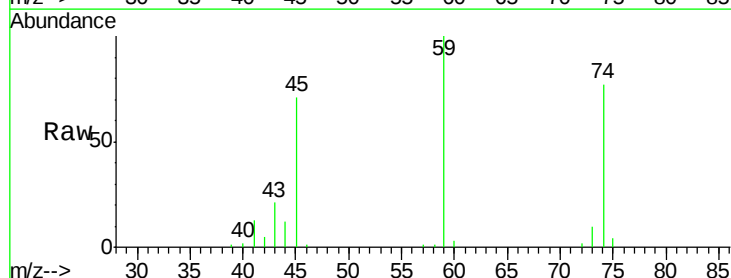
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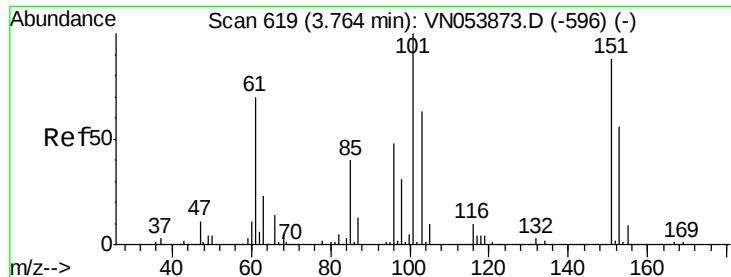


#8

Diethyl Ether
Concen: 18.823 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.901 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

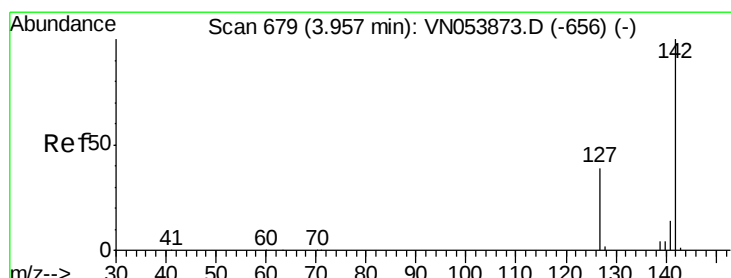
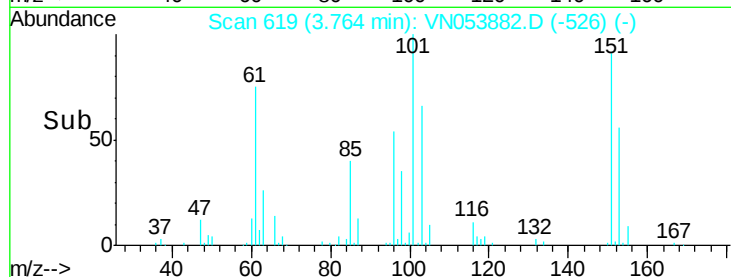
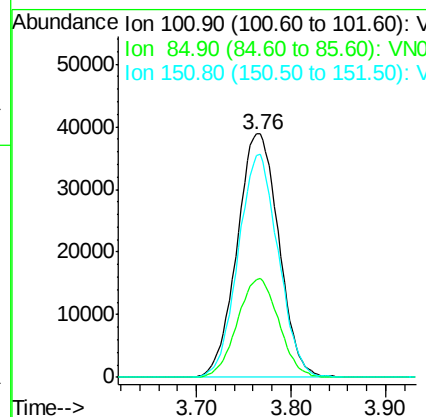
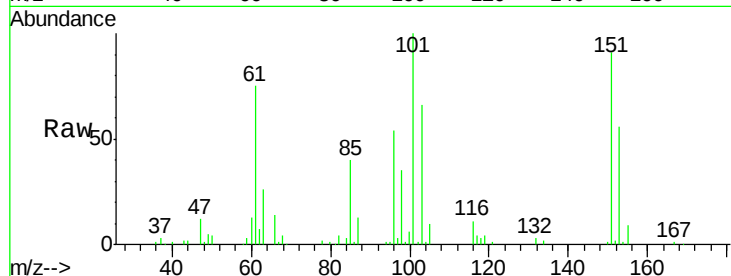
ClientSampleId :

VN0221WBS01

Tot Ion:	101	Resp:	119096
Ion Ratio	Lower	Upper	
101	100		
85	40.2	32.5	48.7
151	87.9	70.2	105.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.267 ug/l

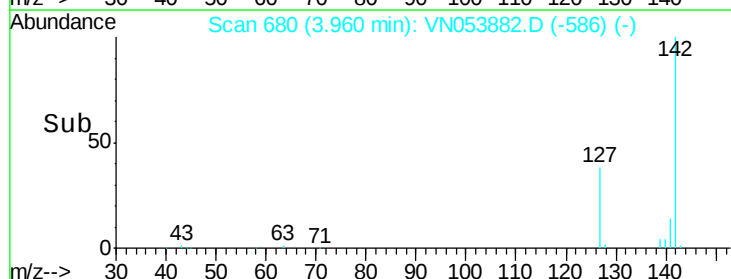
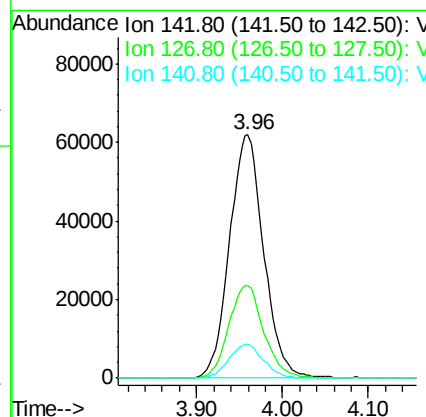
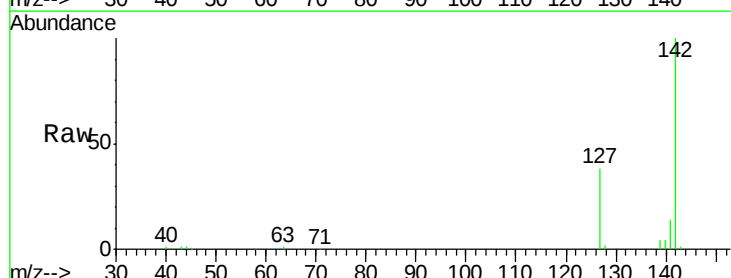
RT: 3.96 min Scan# 680

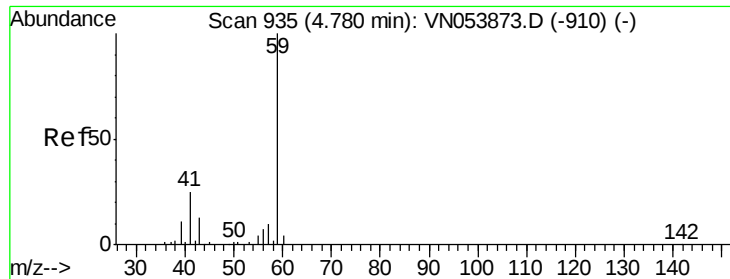
Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion:	142	Resp:	170694
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.0	46.4
141	14.0	11.3	16.9





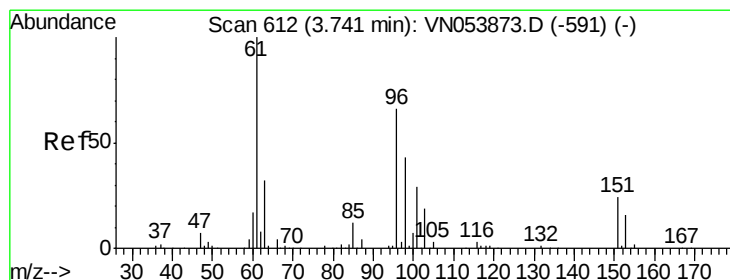
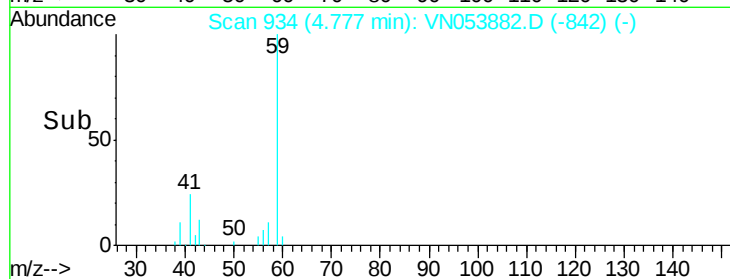
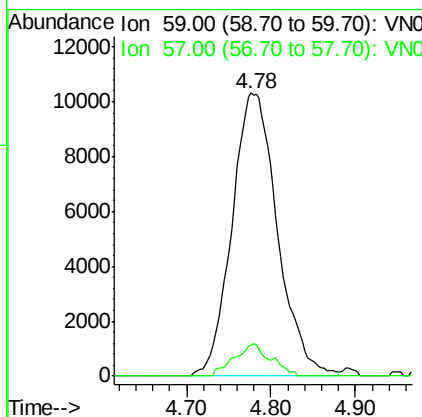
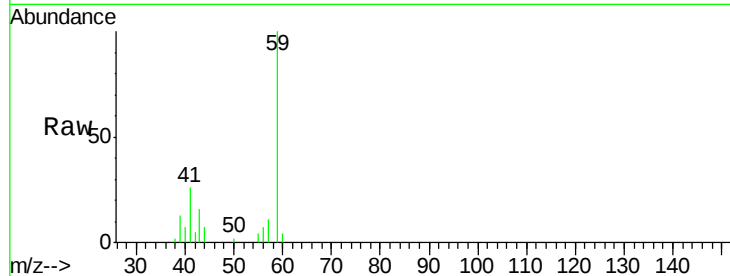
#11
Tert butyl alcohol
Concen: 95.362 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.5	8.1	12.1#

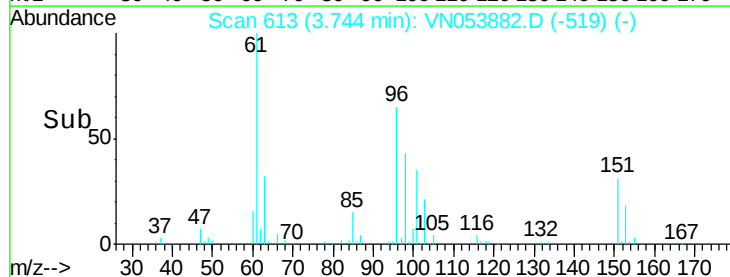
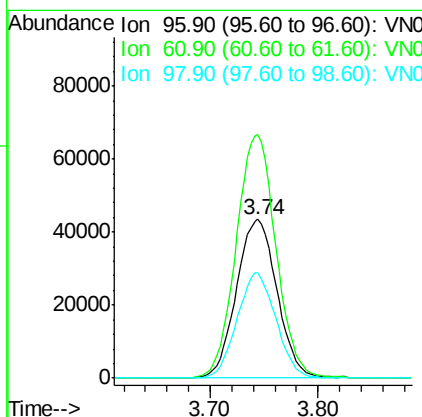
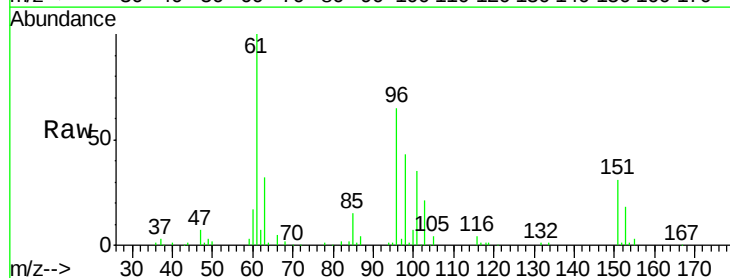
Manual Integrations
APPROVED

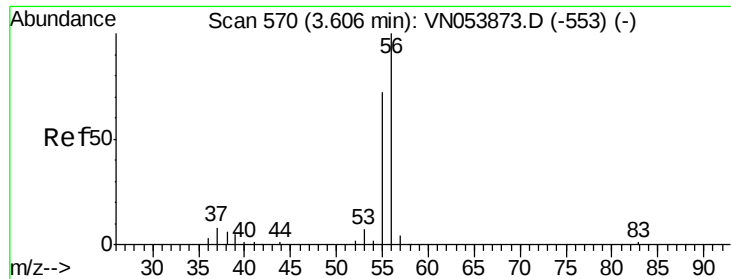
MMDadoda
2/22/2019 10:30:08 AM



#12
1,1-Dichloroethene
Concen: 19.249 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	121.0	181.4
98	66.3	52.2	78.2





#13

Acrolein

Concen: 140.307 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 56 Resp: 40630

Ion Ratio Lower Upper

56 100

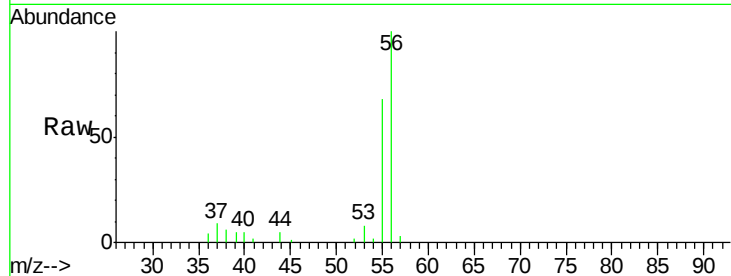
55 67.8 56.3 84.5

Manual Integrations

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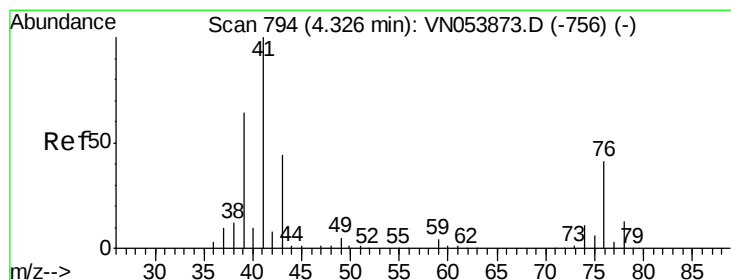
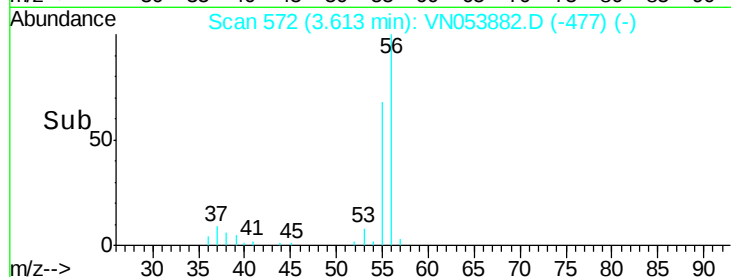
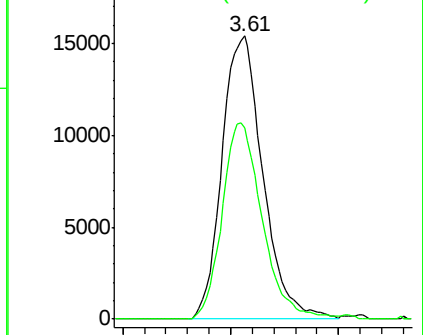
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.800 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

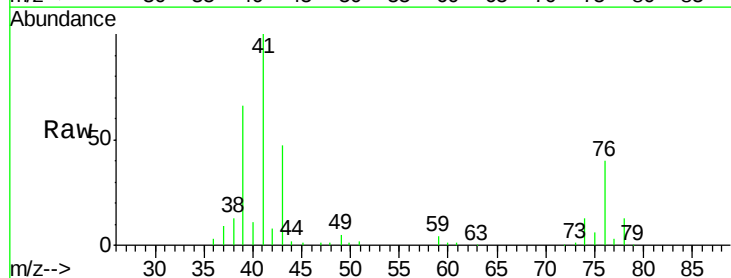
Tgt Ion: 41 Resp: 167677

Ion Ratio Lower Upper

41 100

39 64.9 48.8 73.2

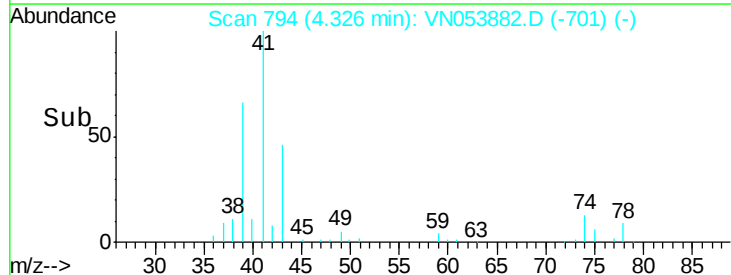
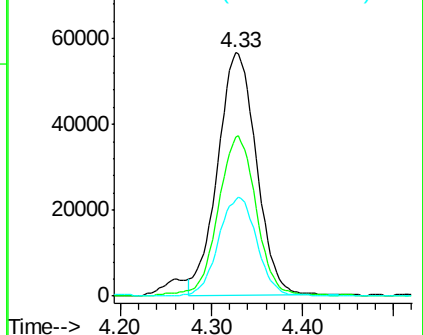
76 40.4 30.9 46.3

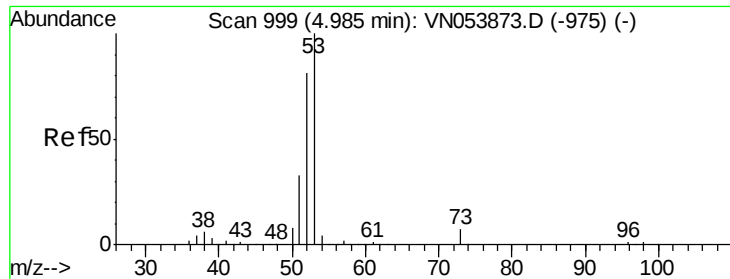


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.078 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

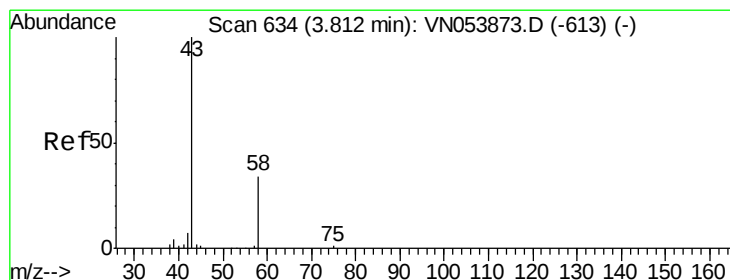
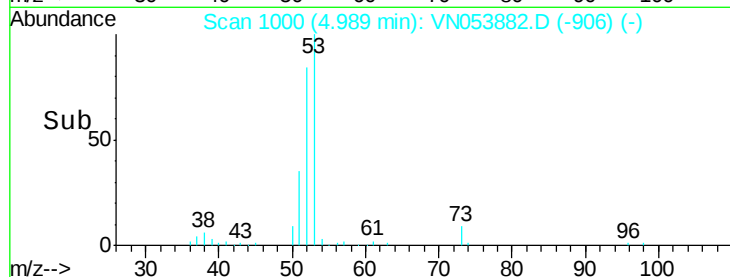
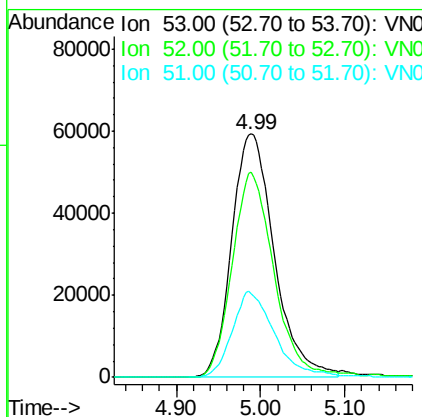
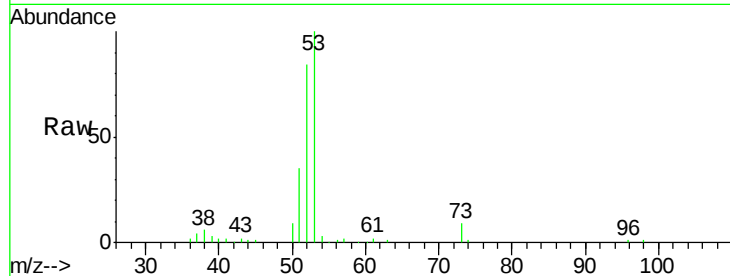
ClientSampleId :

VN0221WBS01

Tot Ion:	53	Resp:	208343
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.1	97.7
51	35.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 92.468 ug/l

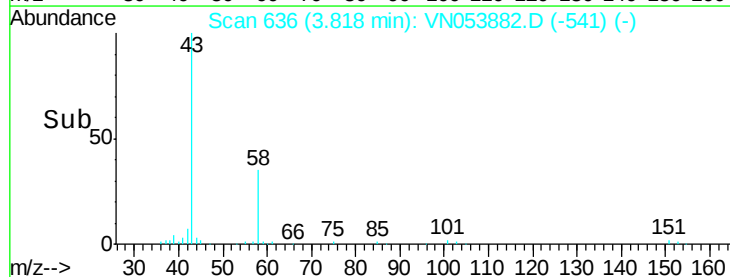
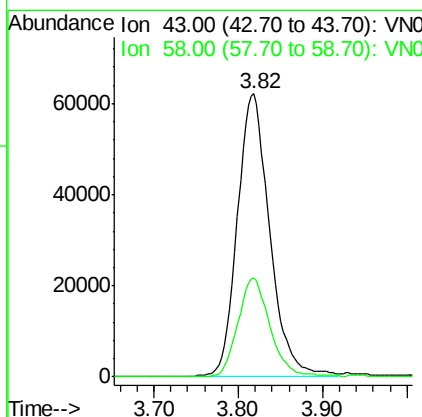
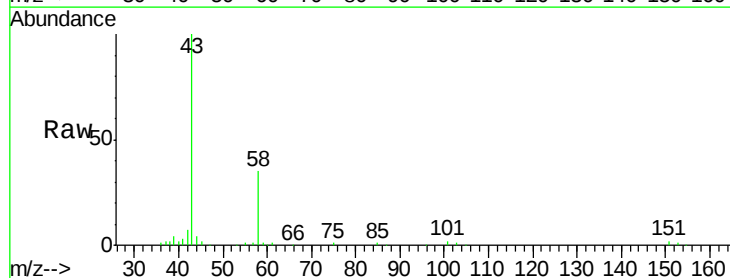
RT: 3.82 min Scan# 636

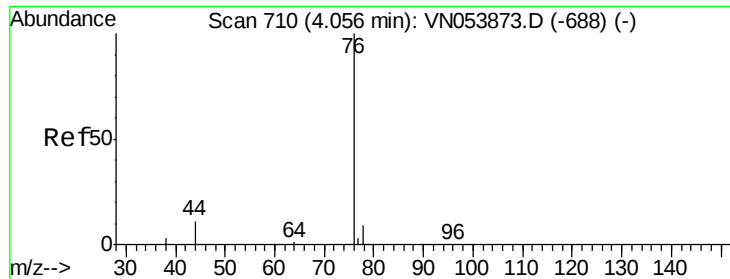
Delta R.T. 0.01 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion:	43	Resp:	165046
Ion Ratio	Lower	Upper	
43	100		
58	35.1	27.6	41.4





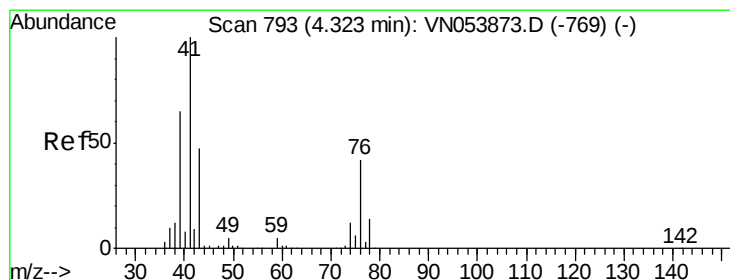
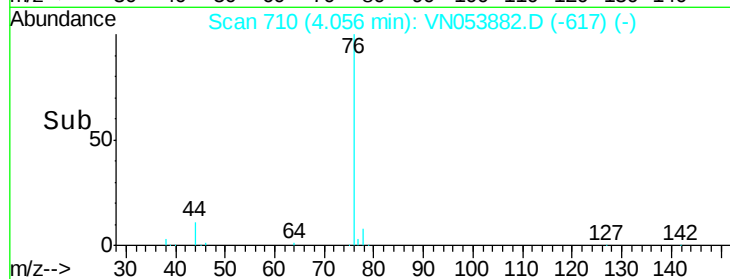
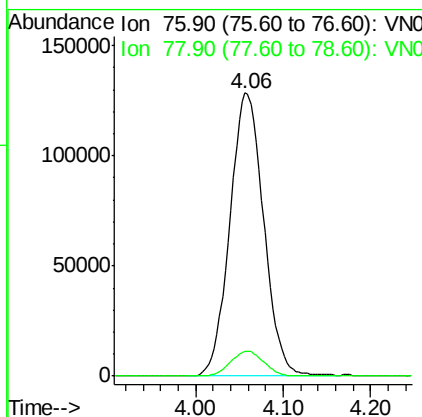
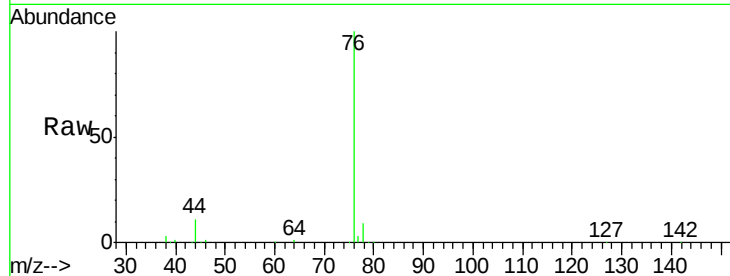
#17
Carbon Disulfide
Concen: 18.882 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.5	11.3

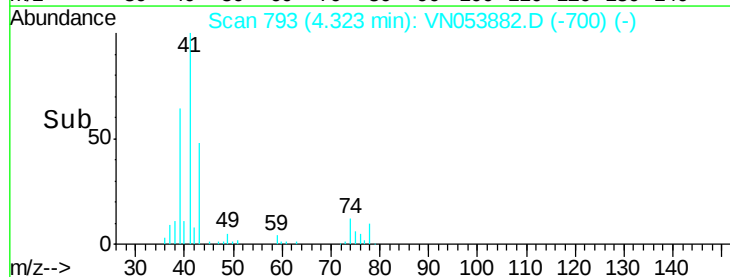
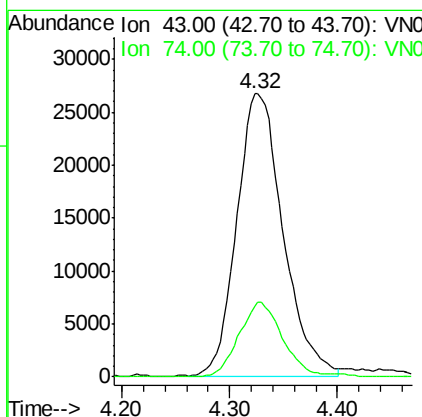
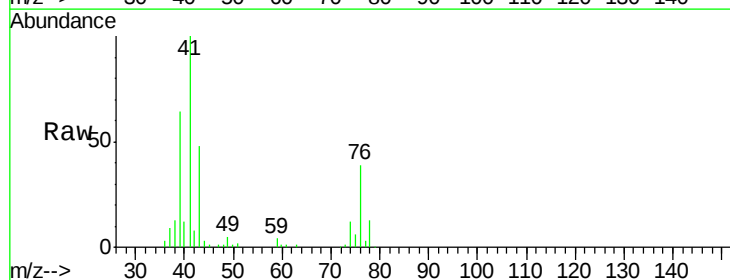
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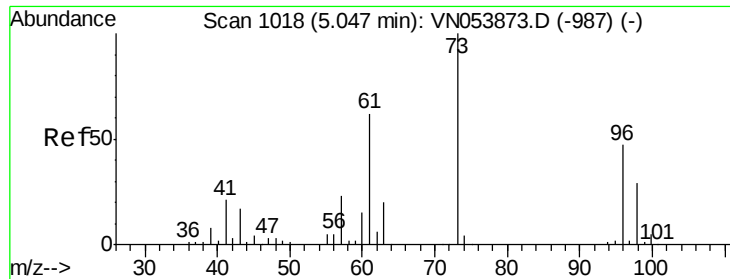
MMDadoda
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#18
Methyl Acetate
Concen: 19.038 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.5	30.7





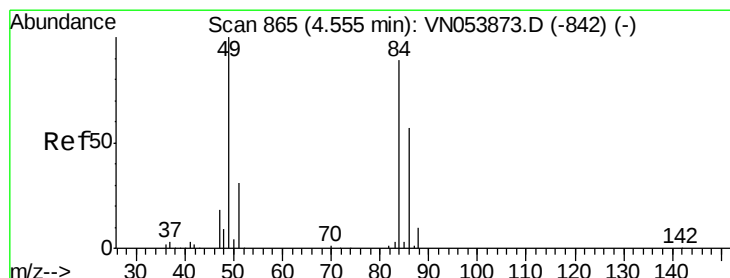
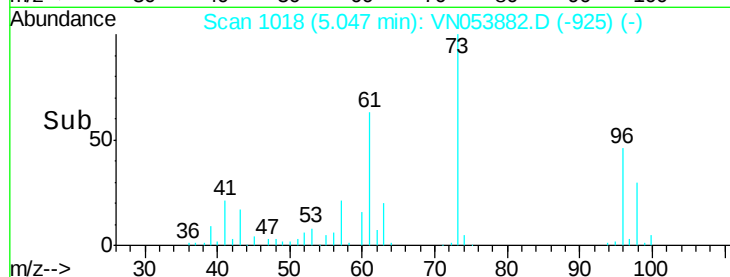
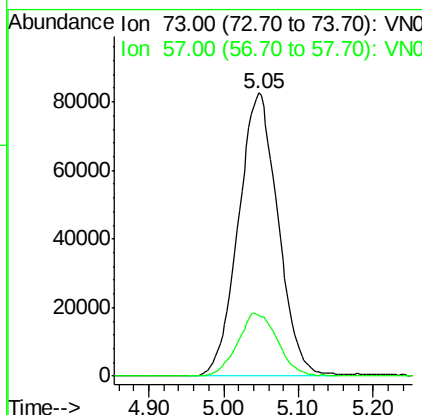
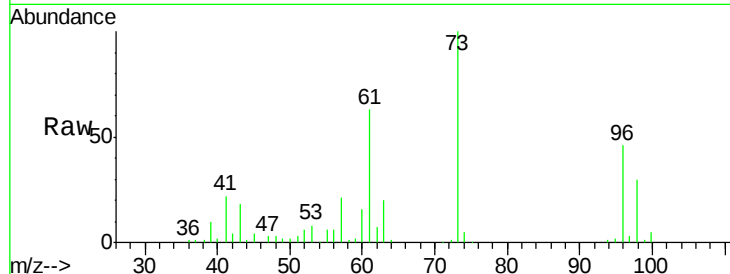
#19
Methvl tert-butvl Ether
Concen: 20.327 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion: 73 Resp: 303930
Ion Ratio Lower Upper
73 100
57 21.4 18.0 27.0

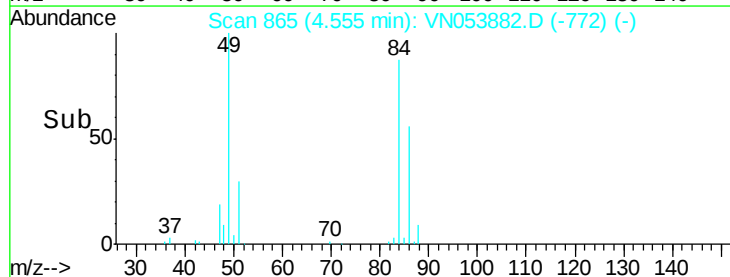
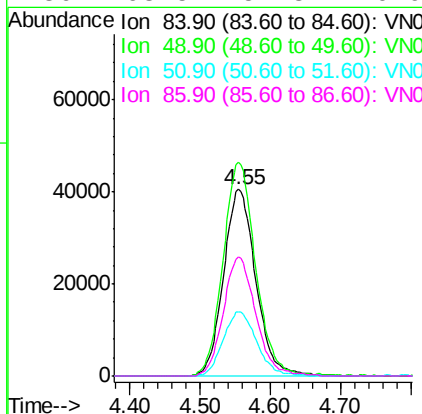
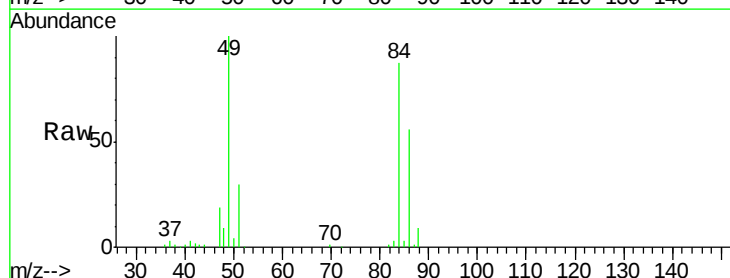
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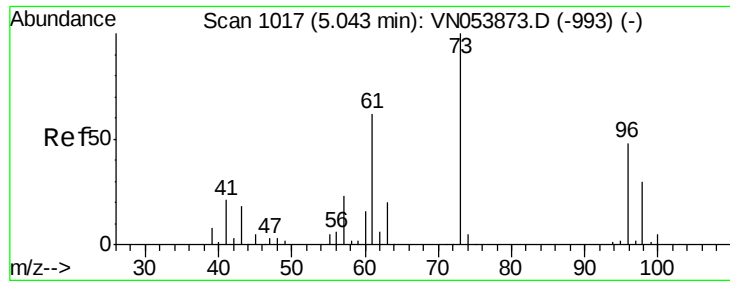
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2/22/2019 10:30:08 AM



#20
Methylene Chloride
Concen: 19.370 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 84 Resp: 129435
Ion Ratio Lower Upper
84 100
49 114.3 89.7 134.5
51 34.5 27.8 41.8
86 63.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.982 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 96 Resp: 123596

Ion Ratio Lower Upper

96 100

61 133.7 104.5 156.7

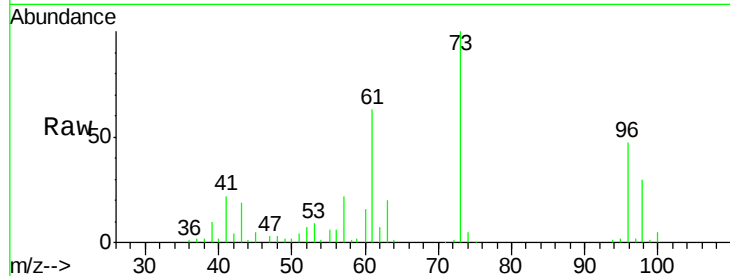
98 62.9 50.6 76.0

Manual Integrations

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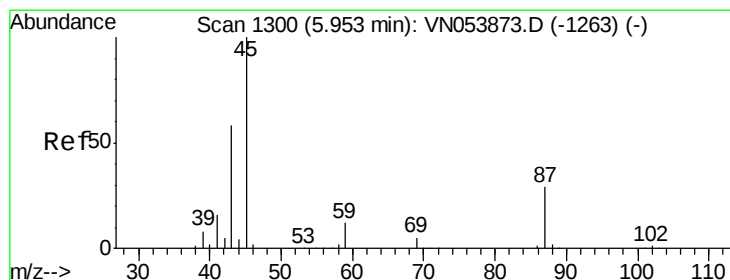
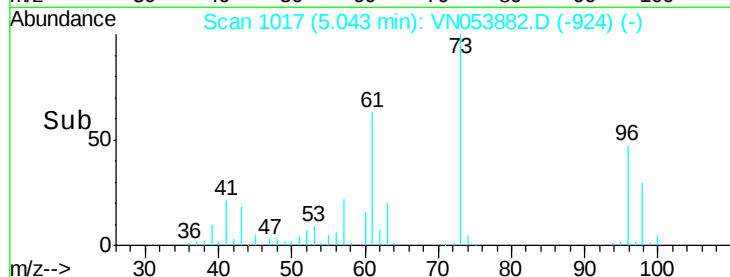
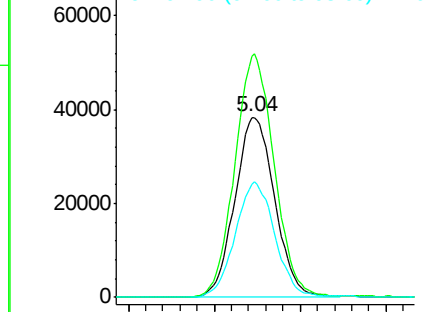
2/22/2019 10:30:08 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.506 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion: 45 Resp: 340934

Ion Ratio Lower Upper

45 100

43 61.3 46.2 69.4

87 30.9 23.4 35.0

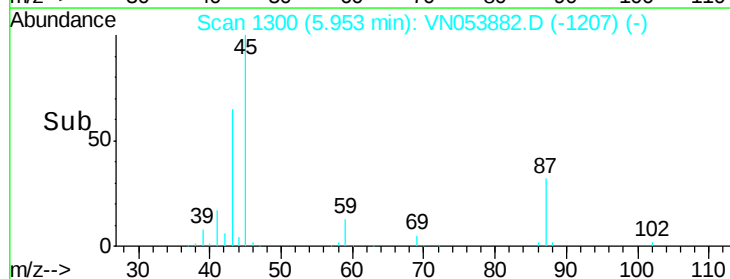
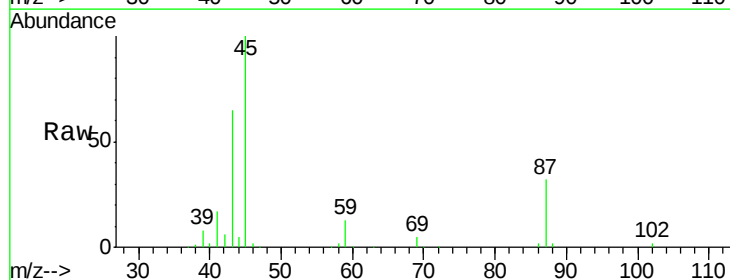
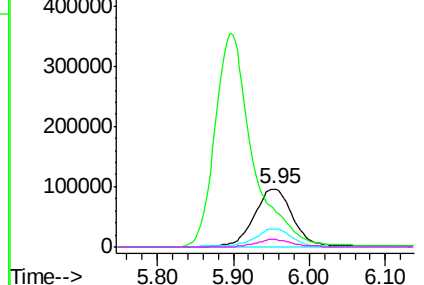
59 12.4 9.4 14.0

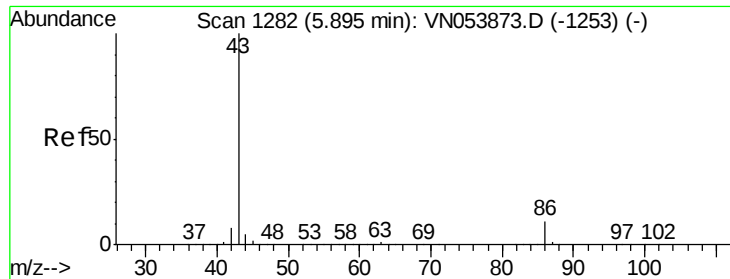
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





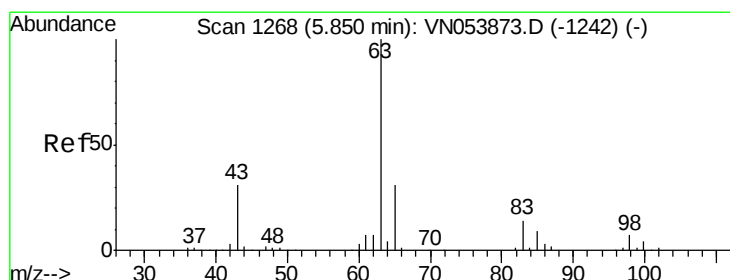
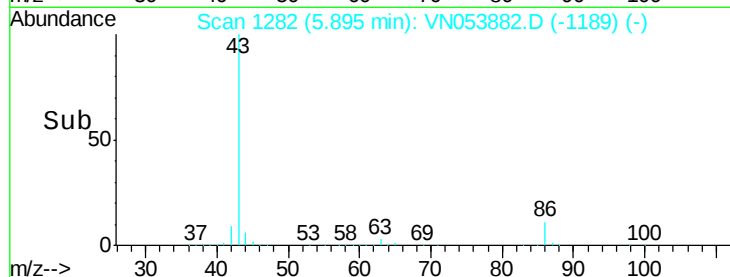
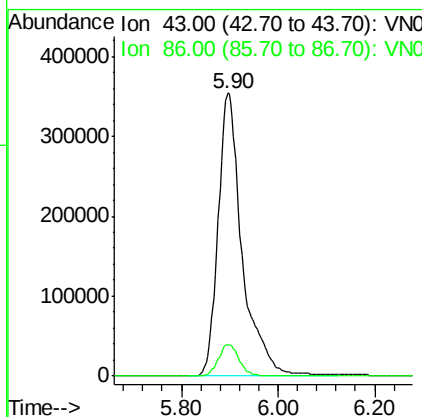
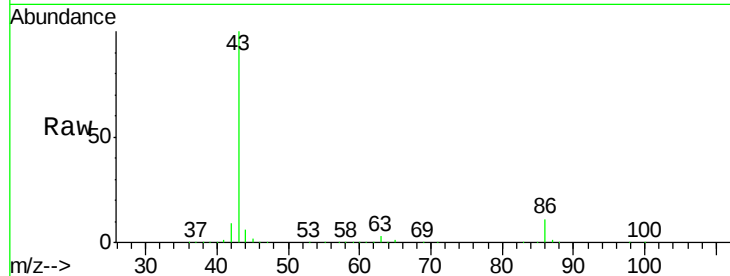
#23
 Vinyl Acetate
 Concen: 102.798 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion: 43 Resp: 1228693
 Ion Ratio Lower Upper
 43 100
 86 10.9 9.1 13.7

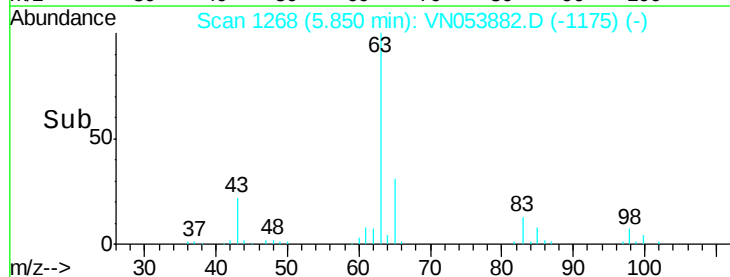
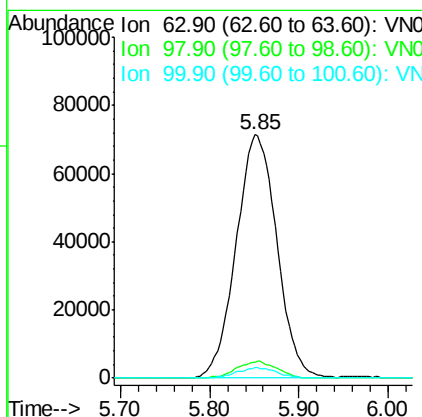
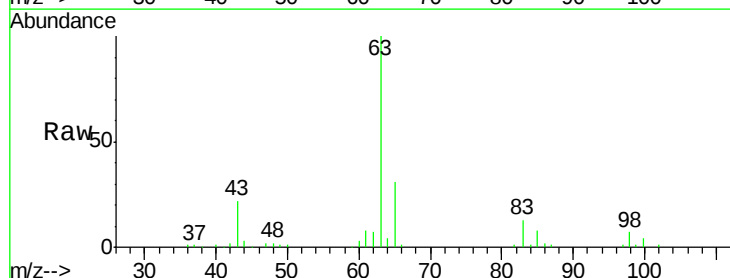
Manual Integrations
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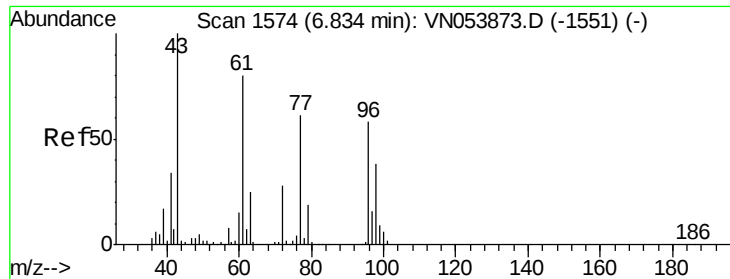
MMDadoda
 2/22/2019 10:30:08 AM



#24
 1,1-Dichloroethane
 Concen: 20.123 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion: 63 Resp: 226519
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.4 2.2 6.6





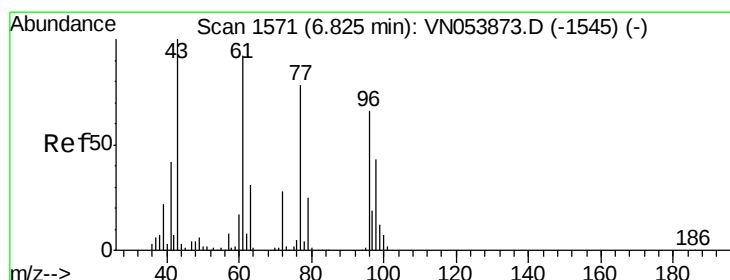
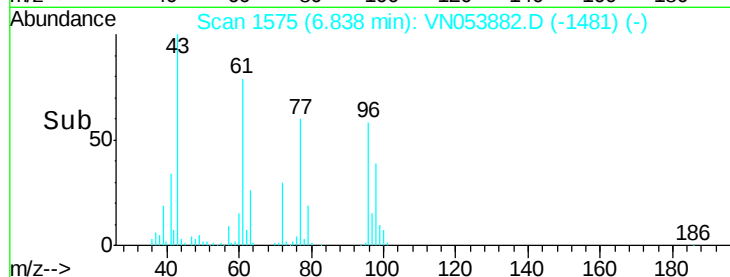
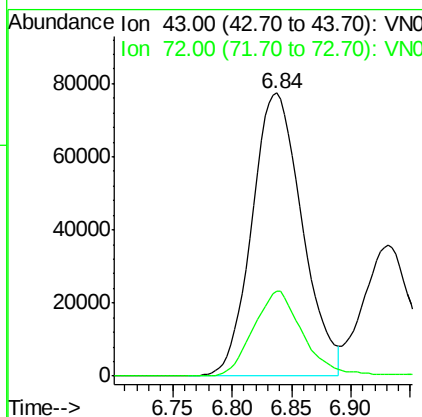
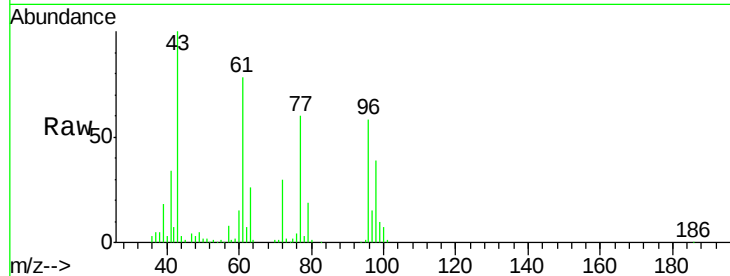
#25
2-Butanone
Concen: 97.896 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0221WBS01

Tot Ion: 43 Resp: 225474
Ion Ratio Lower Upper
43 100
72 30.2 22.1 33.1

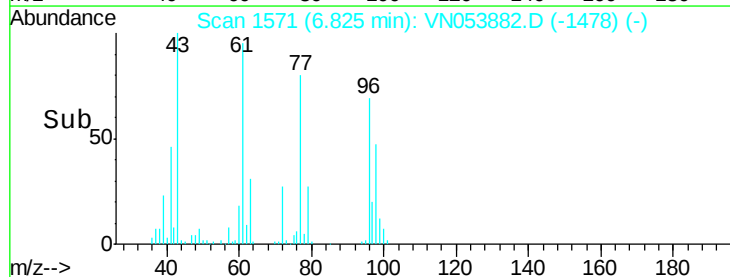
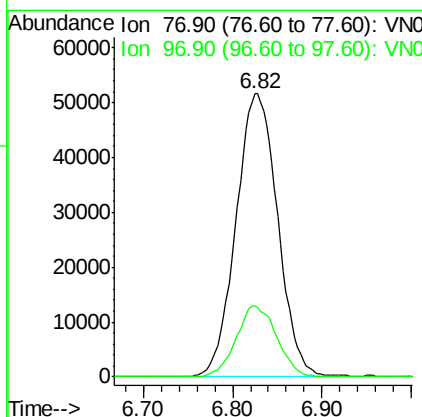
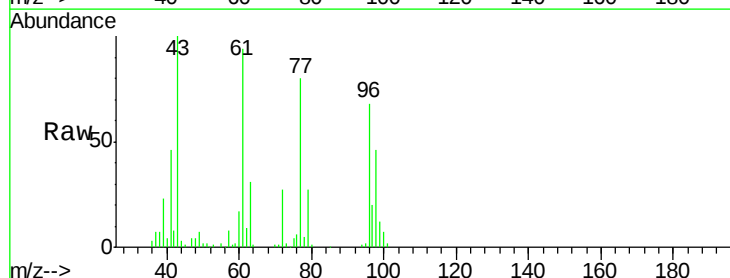
Manual Integrations
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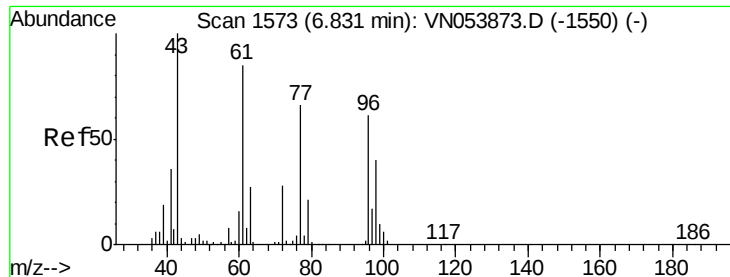
MMDadoda
2/22/2019 10:30:08 AM



#26
2,2-Dichloropropane
Concen: 19.611 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 77 Resp: 167519
Ion Ratio Lower Upper
77 100
97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.105 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

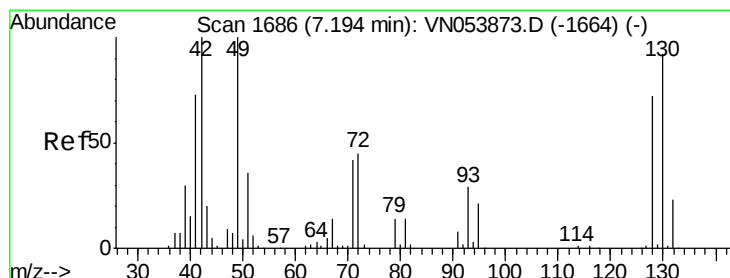
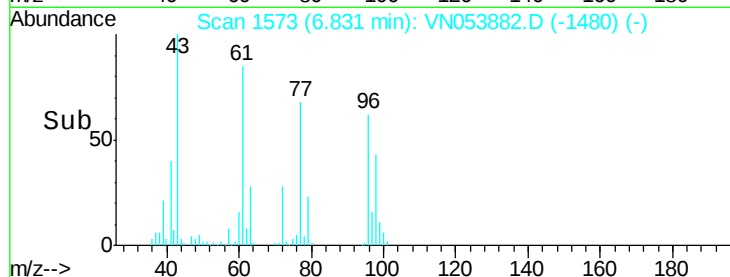
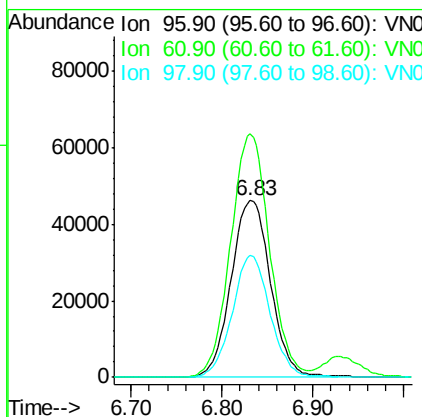
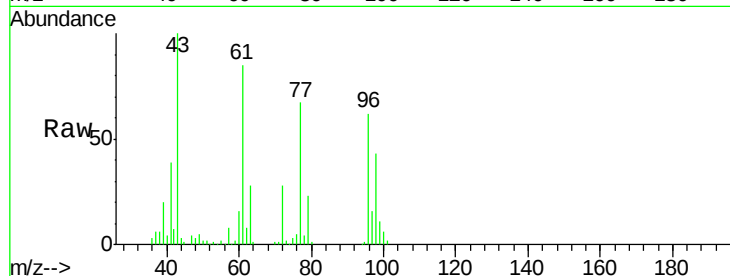
ClientSampleId :

VN0221WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	275.6
98	66.2	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 19.072 ug/l

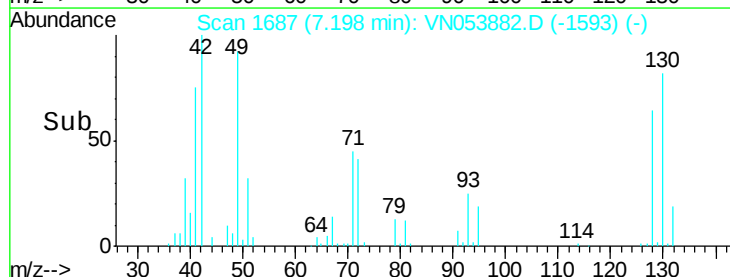
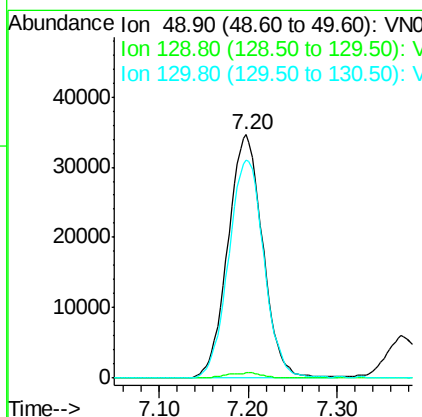
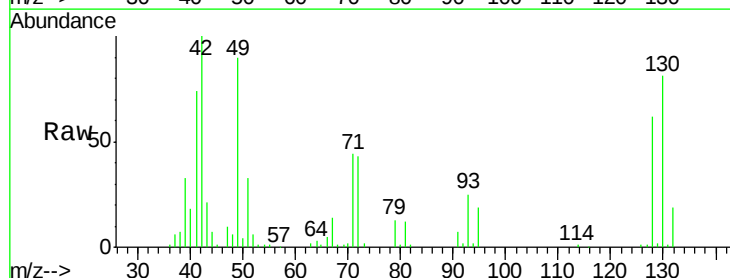
RT: 7.20 min Scan# 1687

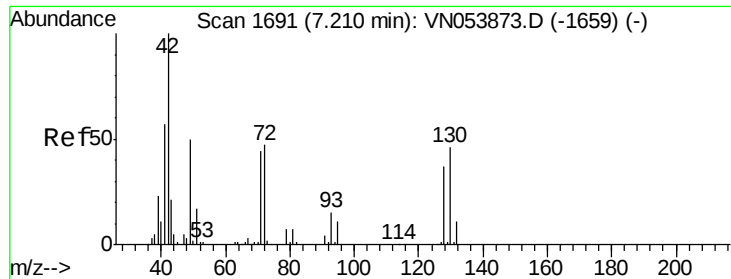
Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	91.0	72.9	109.3





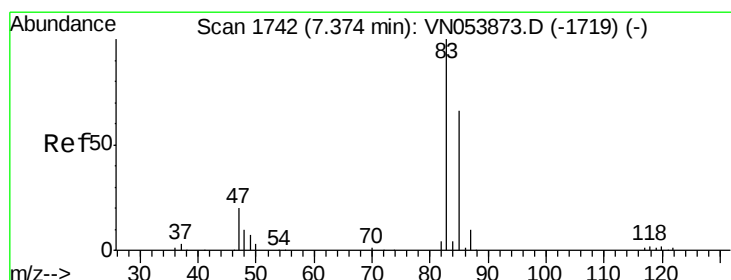
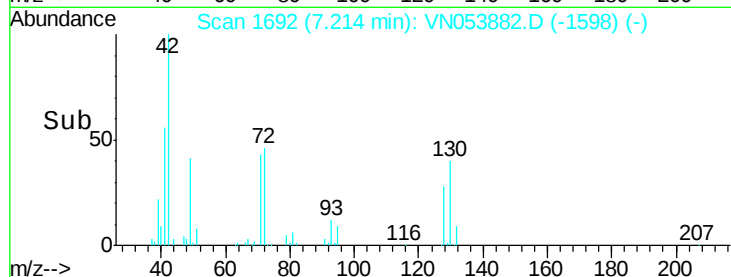
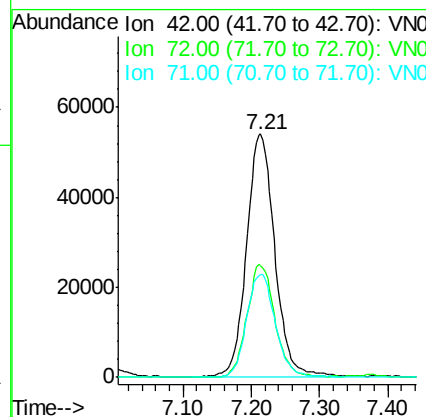
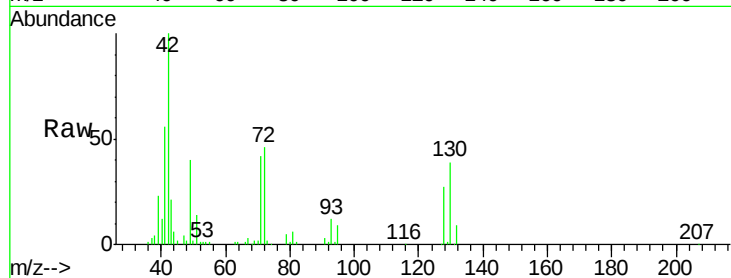
#29
Tetrahydrofuran
Concen: 104.935 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.9	55.3
71	42.7	34.6	52.0

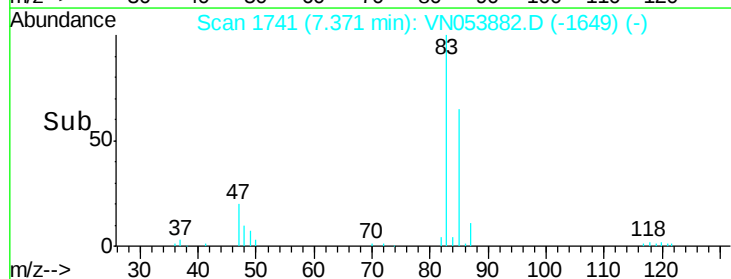
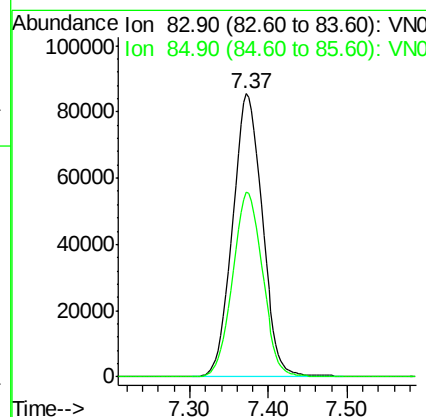
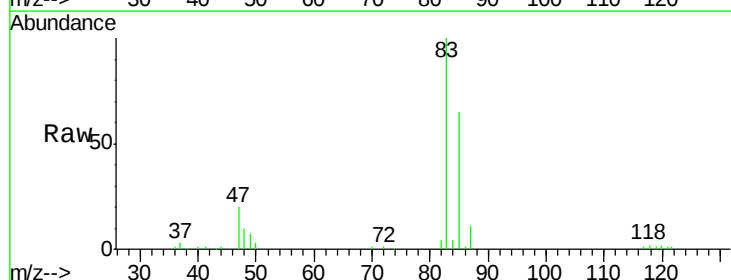
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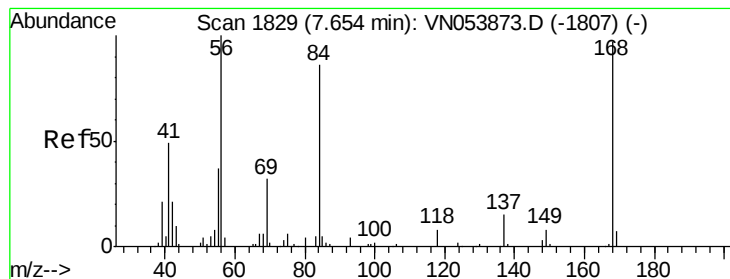
MMDadoda
2/22/2019 10:30:08 AM



#30
Chloroform
Concen: 19.877 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8





#31

Cyclohexane

Concen: 19.779 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

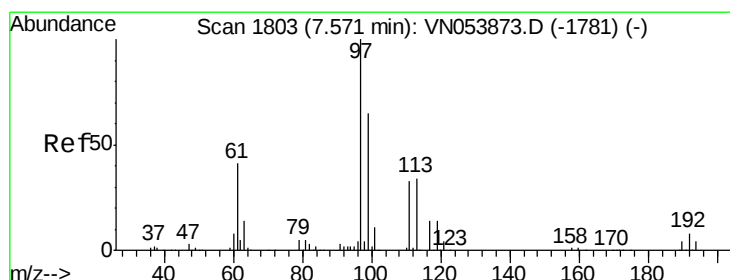
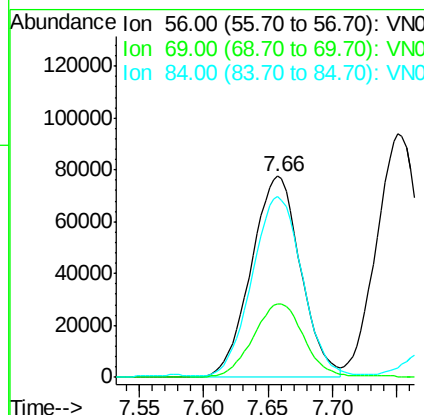
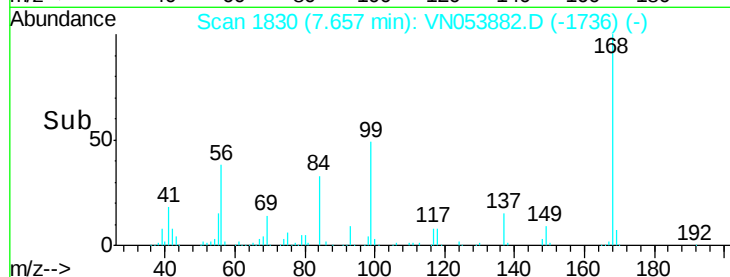
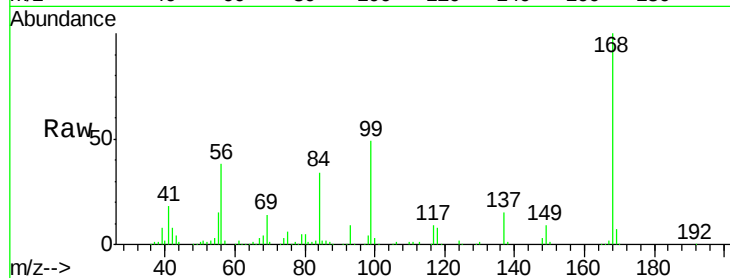
ClientSampleId :

VN0221WBS01

Tot Ion:	56	Resp:	207229
Ion	Ratio	Lower	Upper
56	100		
69	36.8	26.0	39.0
84	89.0	69.1	103.7

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#32

1,1,1-Trichloroethane

Concen: 19.444 ug/l

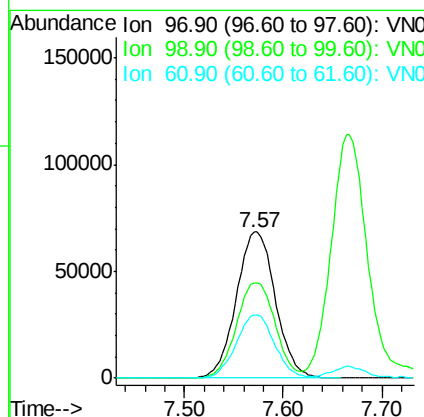
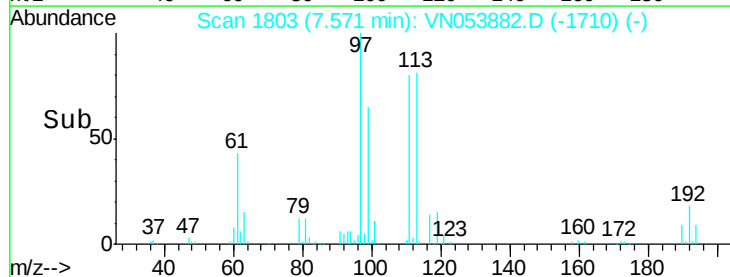
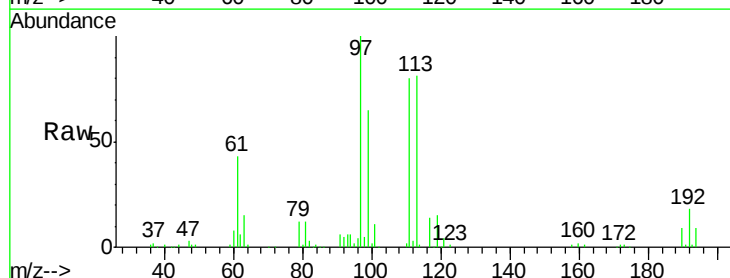
RT: 7.57 min Scan# 1803

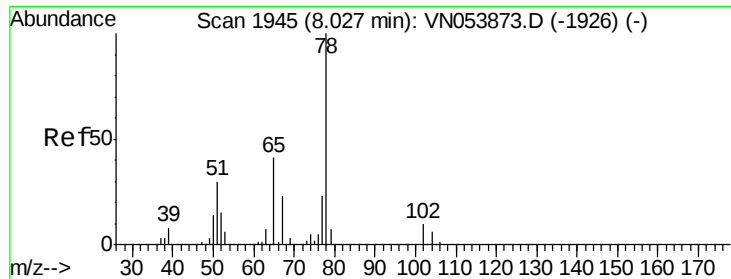
Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion:	97	Resp:	188173
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	42.2	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 49.604 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 65 Resp: 321932

Ion Ratio Lower Upper

65 100

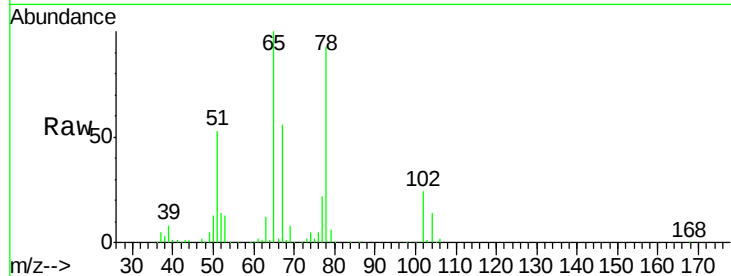
67 54.9 0.0 111.8

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Abundance Ion 64.90 (64.60 to 65.60): VN053882.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053882.D (-1852) (-)

8.03

150000

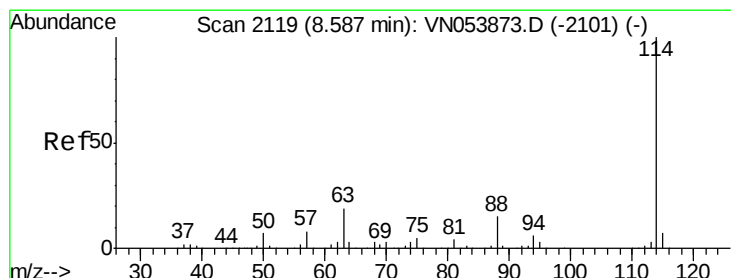
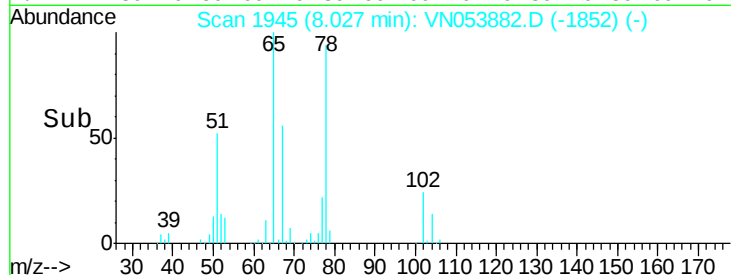
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

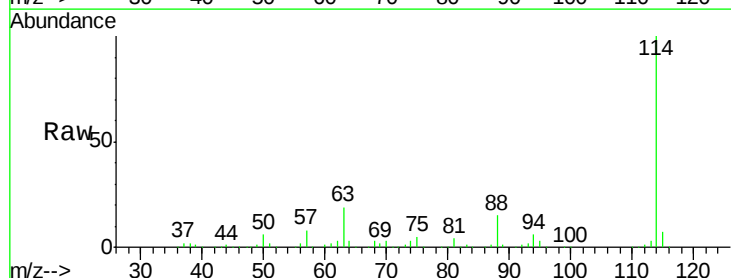
Tgt Ion: 114 Resp: 959715

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053882.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053882.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053882.D (-2026) (-)

8.59

500000

400000

300000

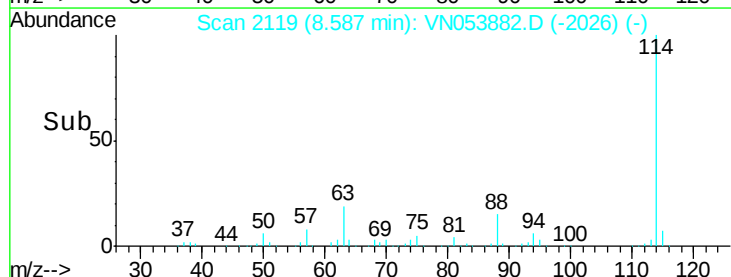
200000

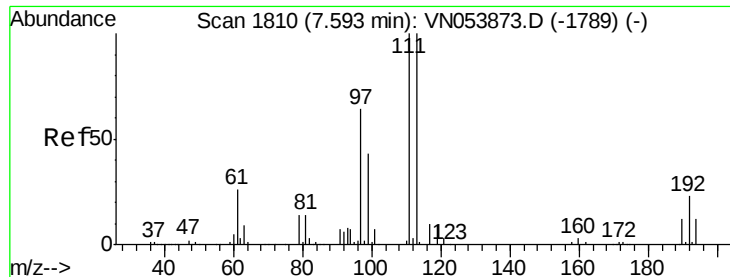
100000

0

8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 48.963 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

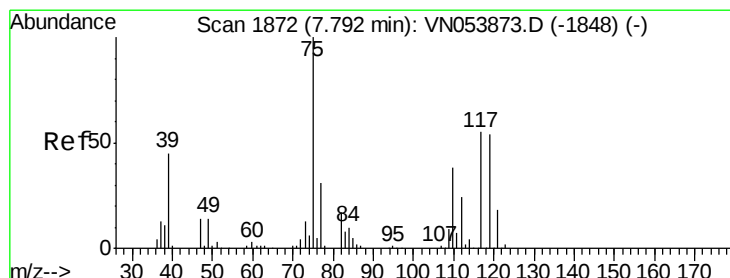
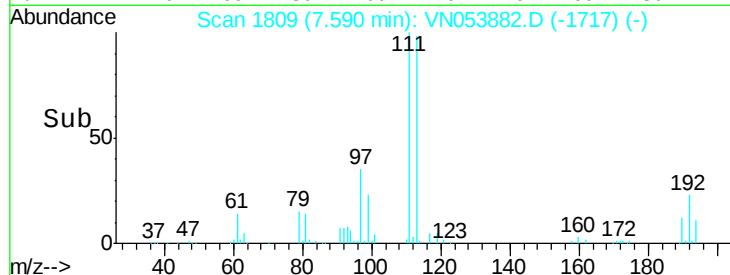
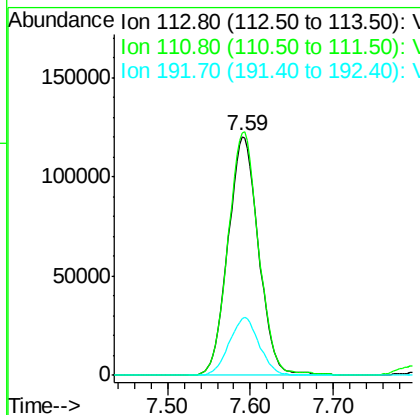
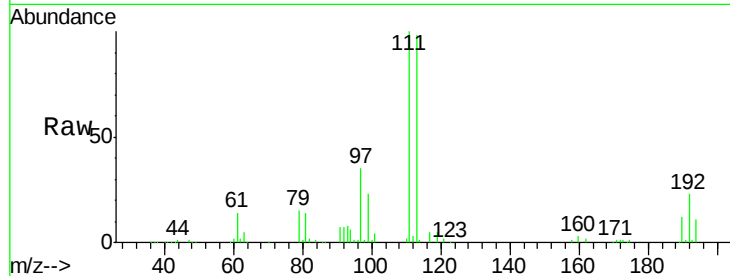
ClientSampleId :

VN0221WBS01

Tot Ion:	113	Resp:	308388
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.1	121.7
192	23.7	18.8	28.2

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#36

1,1-Dichloropropene

Concen: 18.782 ug/l

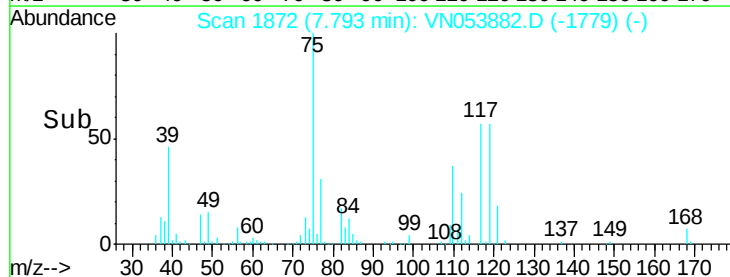
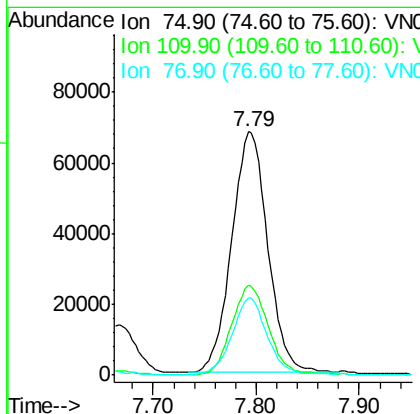
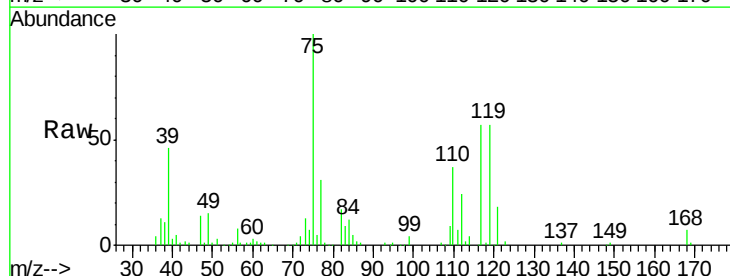
RT: 7.79 min Scan# 1872

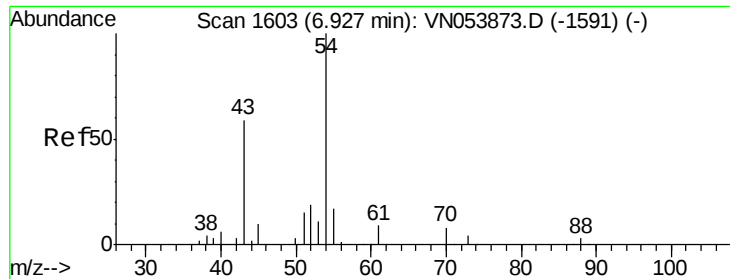
Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion:	75	Resp:	165227
Ion Ratio	Lower	Upper	
75	100		
110	38.1	19.0	57.0
77	31.5	25.4	38.0





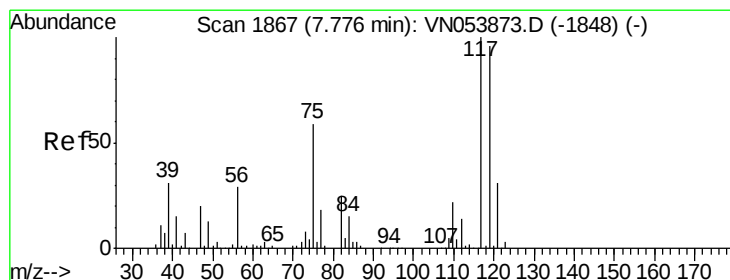
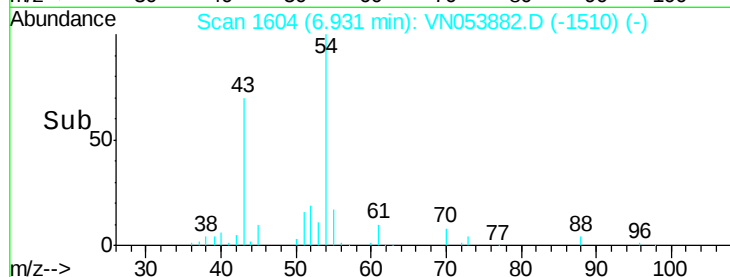
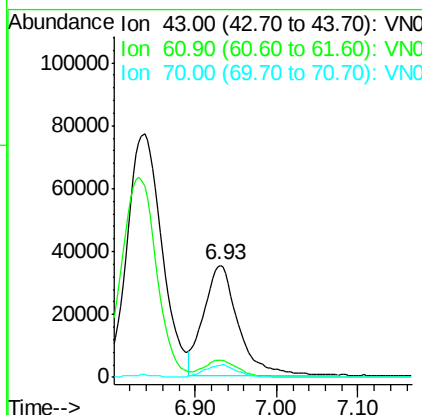
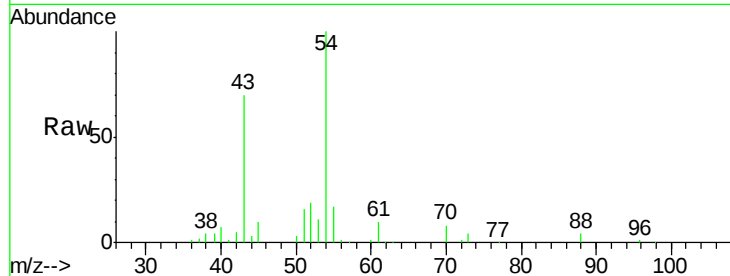
#37
Ethyl Acetate
Concen: 19.955 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	43	61	70
Ion Ratio	100	15.3	10.8
Resp: Lower		12.0	8.7
Upper		18.0	13.1

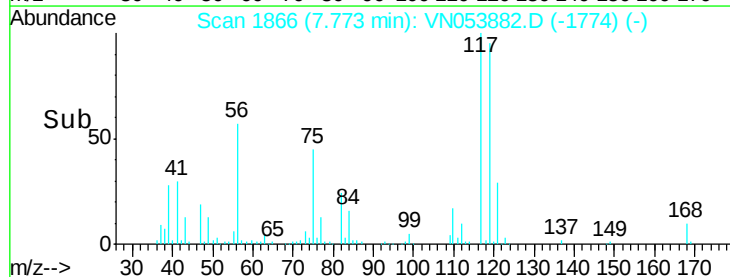
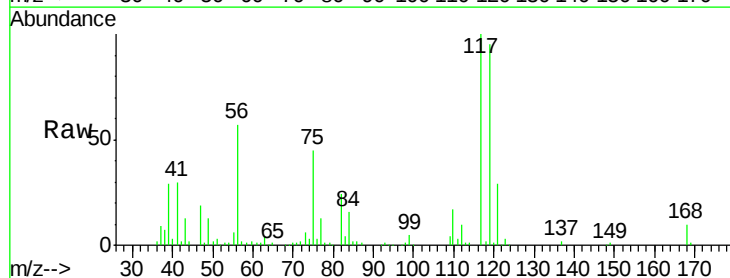
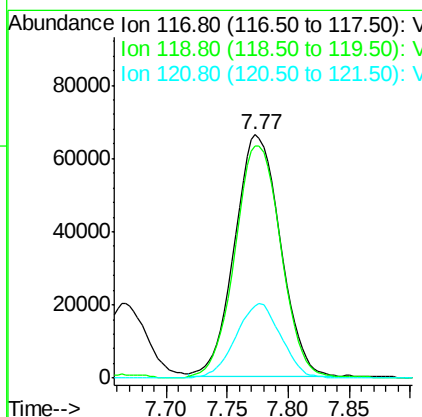
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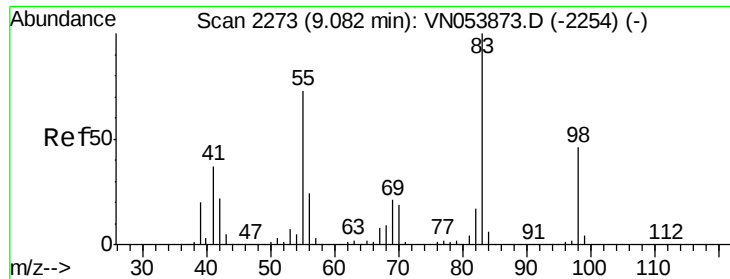
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#38
Carbon Tetrachloride
Concen: 19.514 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	117	119	121
Ion Ratio	100	95.6	29.8
Resp: Lower		76.2	24.6
Upper		114.2	36.8





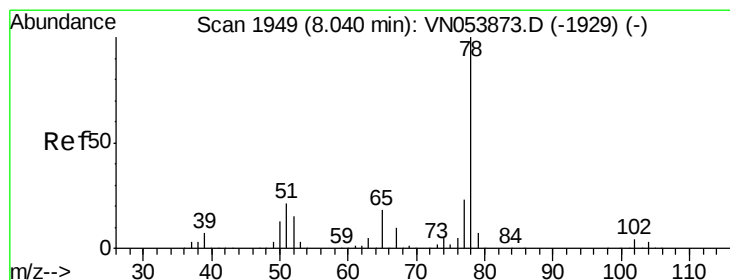
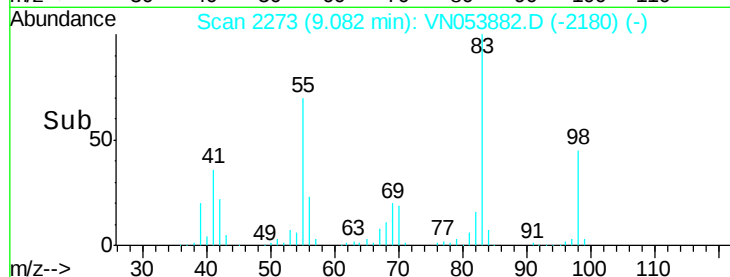
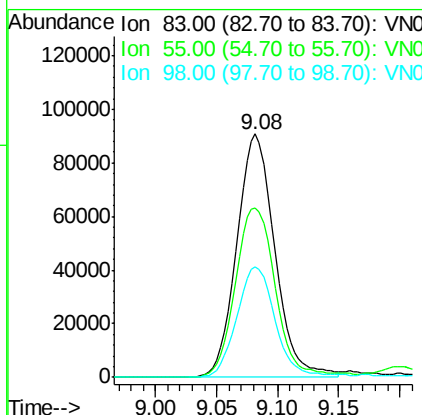
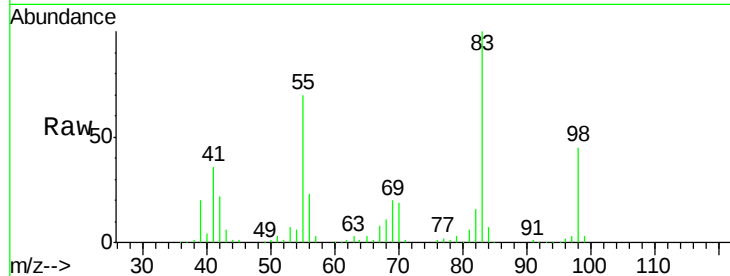
#39
Methvlcvclohexane
Concen: 19.360 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	83	Resp	196247
Ion Ratio	100	Lower	Upper
83	100		
55	69.6	58.2	87.4
98	45.2	37.2	55.8

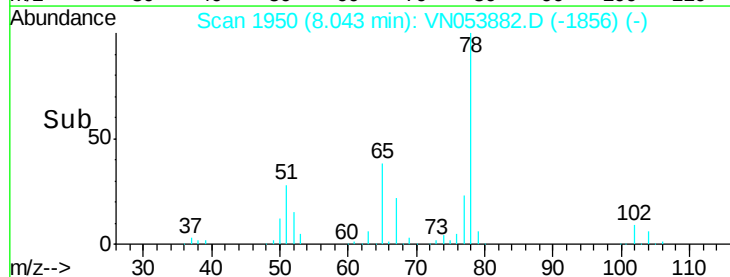
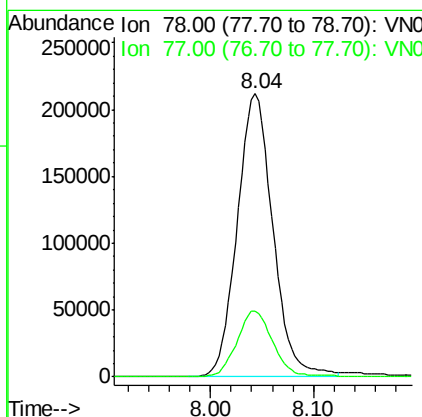
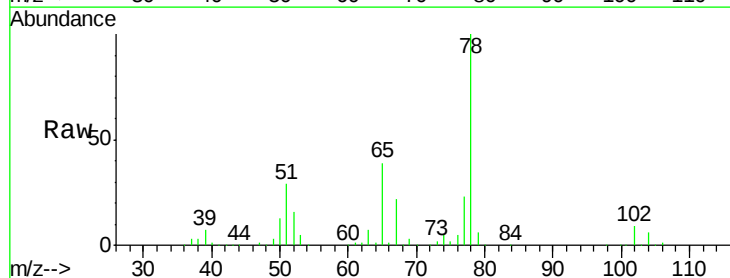
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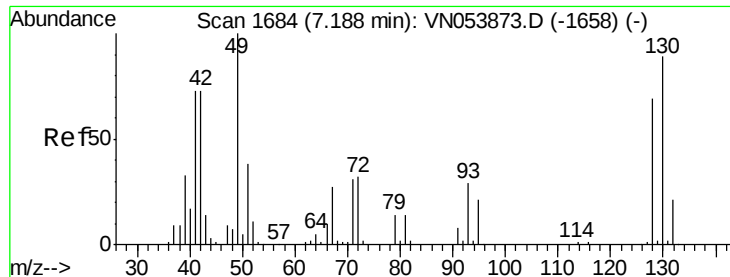
MMDadoda
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#40
Benzene
Concen: 19.647 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	78	Resp	510948
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	18.8	28.2





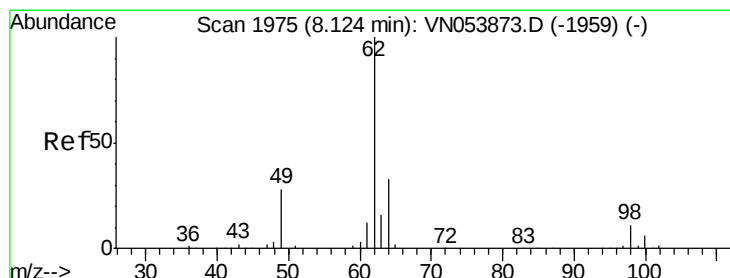
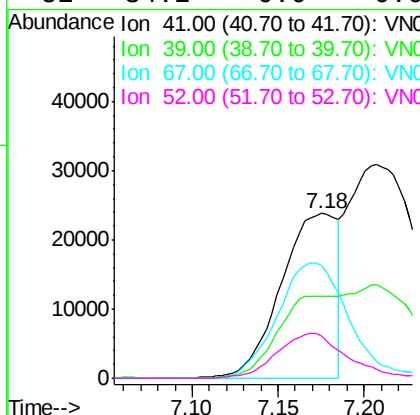
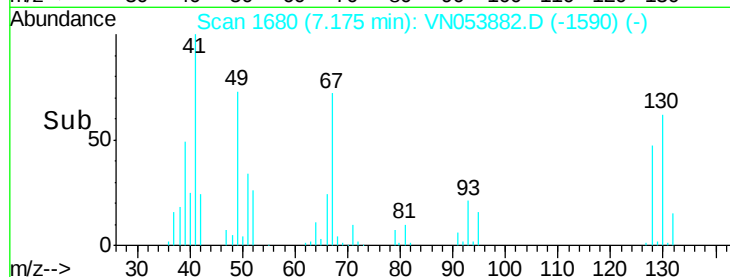
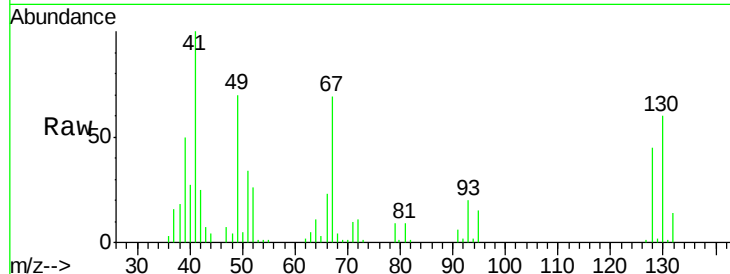
#41
Methacrylonitrile
Concen: 18.600 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	35.4	0.0	0.0#	
67	88.5	0.0	0.0#	
52	34.2	0.0	0.0#	

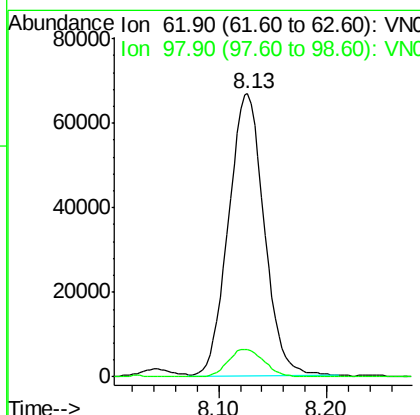
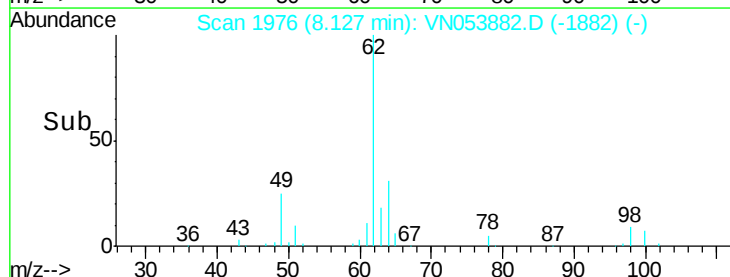
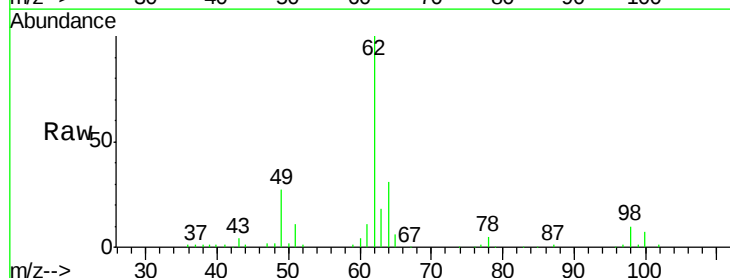
Manual Integrations
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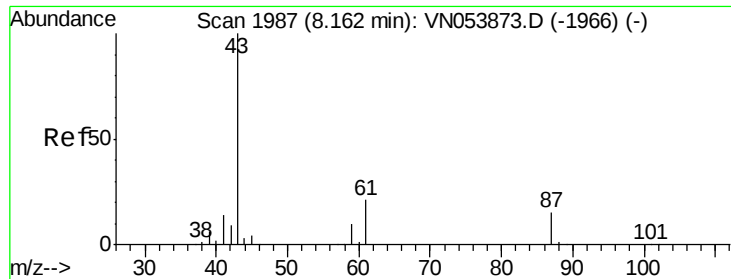
MMDadoda
2/22/2019 10:30:08 AM



#42
1,2-Dichloroethane
Concen: 19.874 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.8	





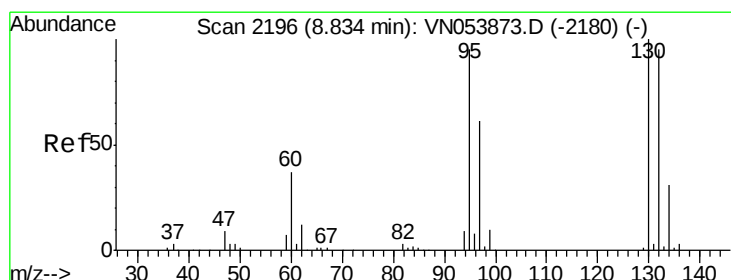
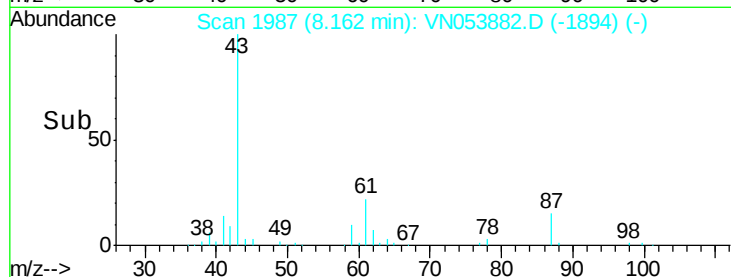
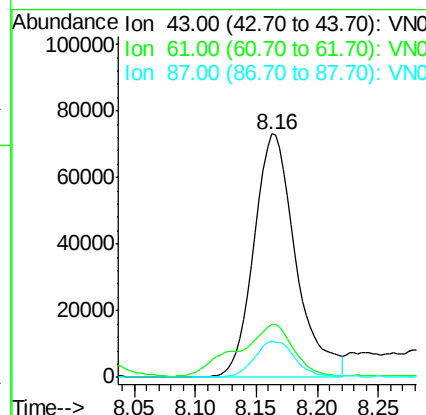
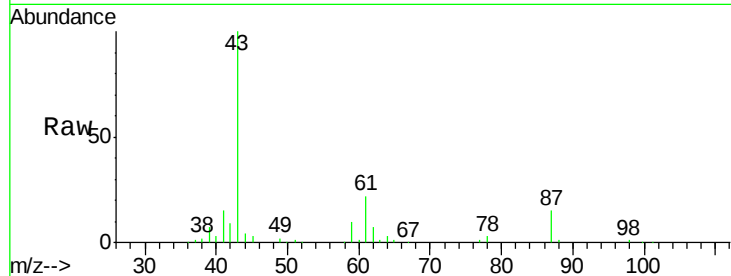
#43
Isopropyl Acetate
Concen: 18.418 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	17.4	26.0
87	14.8	11.5	17.3

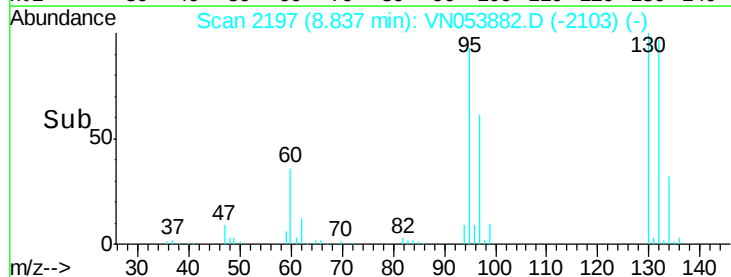
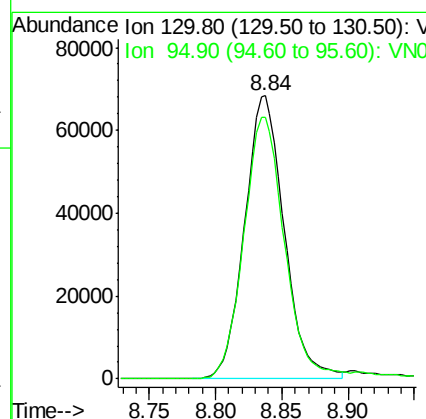
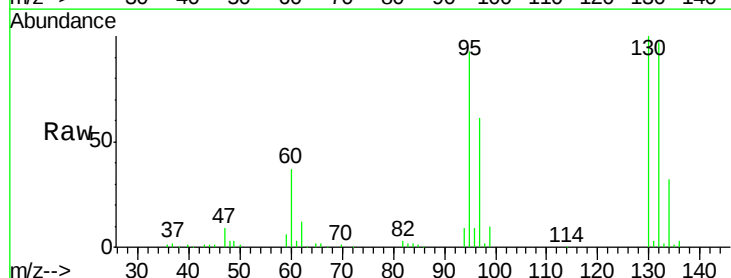
Manual Integrations
APPROVED

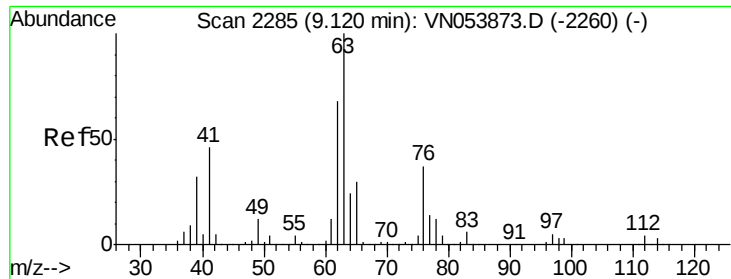
MMDadoda
2/22/2019 10:30:08 AM



#44
Trichloroethene
Concen: 19.568 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	190.0





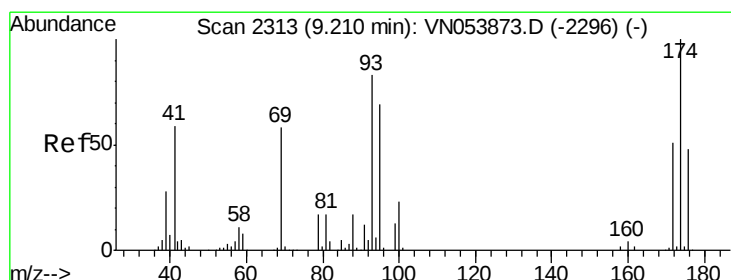
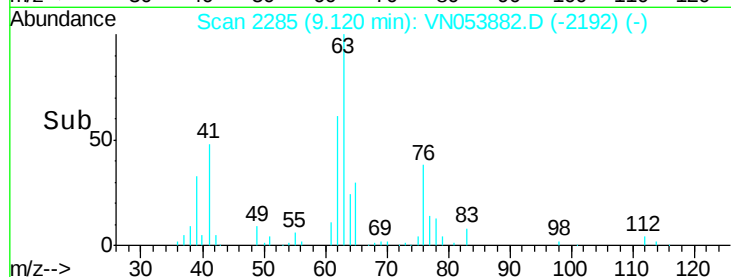
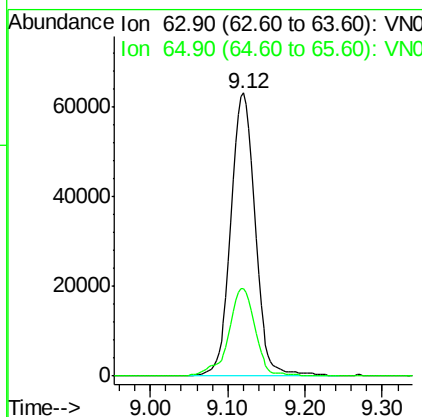
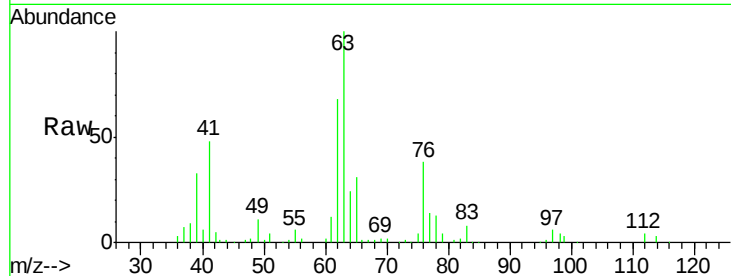
#45
 1,2-Dichloropropane
 Concen: 20.684 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion: 63 Resp: 137333
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.3 36.5

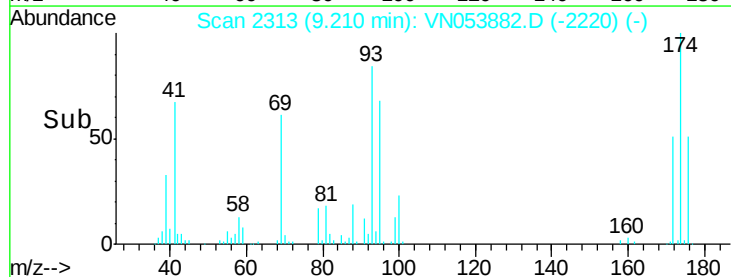
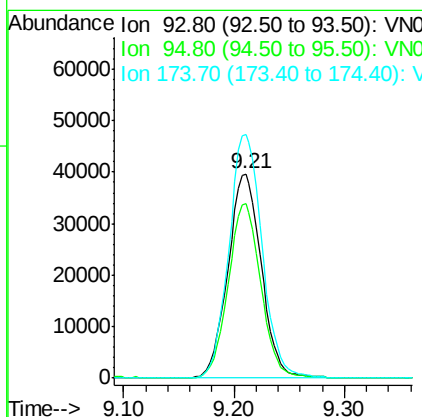
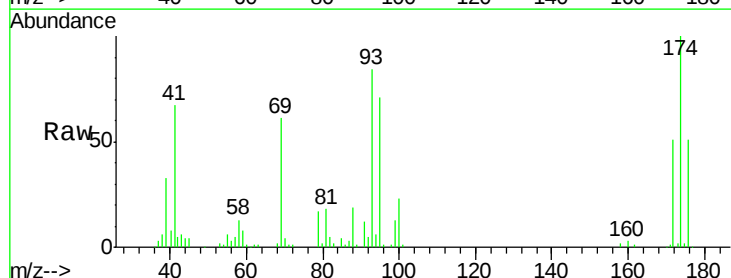
Manual Integrations
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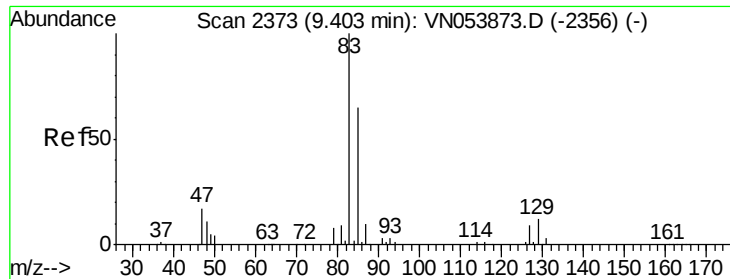
MMDadoda
 2/22/2019 10:30:08 AM



#46
 Dibromomethane
 Concen: 20.818 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion: 93 Resp: 83225
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 118.9 96.2 144.4





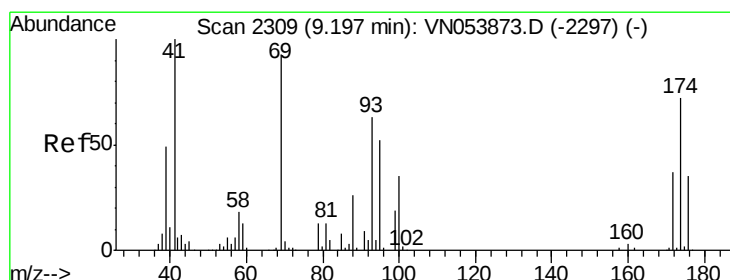
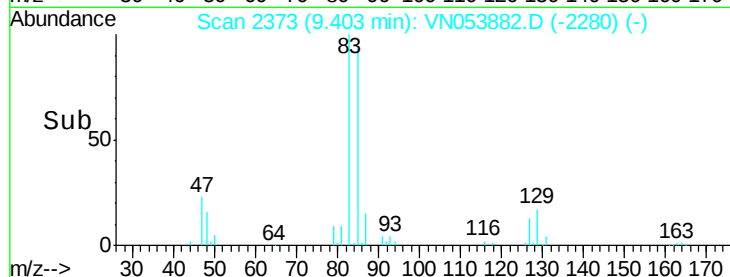
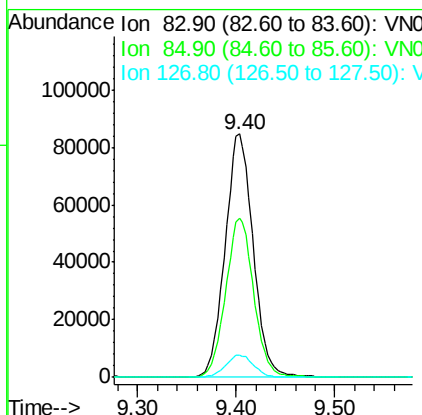
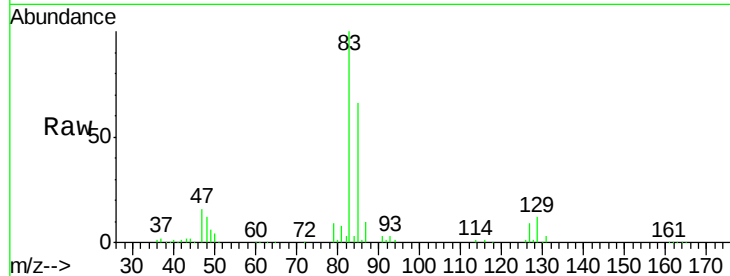
#47
Bromodichloromethane
Concen: 20.018 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	83	Resp	168823
Ion Ratio	100		
85	65.5	51.8	77.6
127	8.9	7.4	11.0

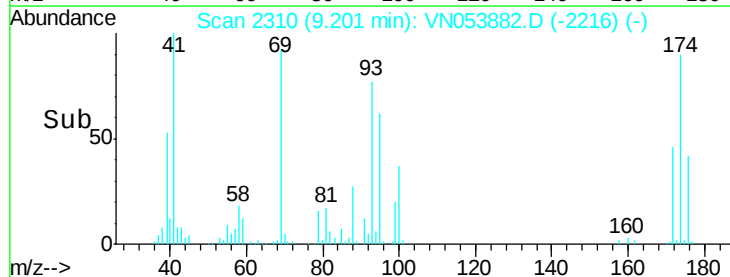
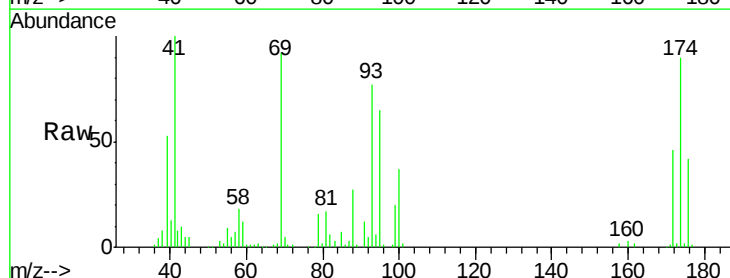
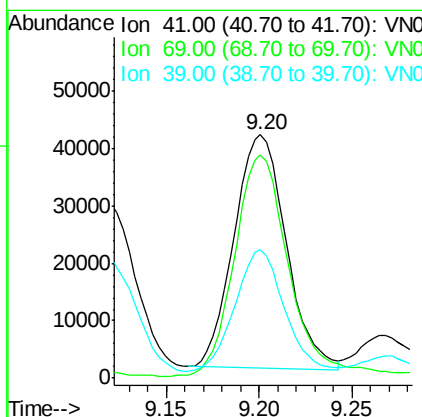
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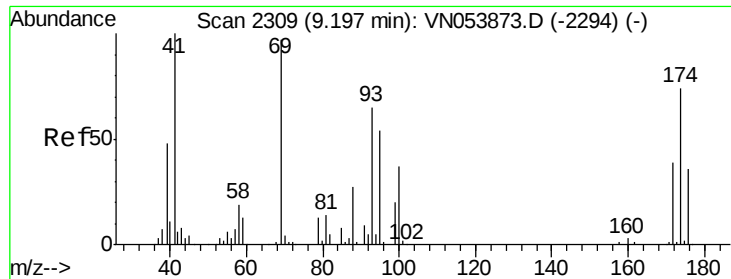
MMDadoda
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#48
Methyl methacrylate
Concen: 19.803 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	41	Resp	79669
Ion Ratio	100		
69	100.8	74.8	112.2
39	54.5	39.0	58.6





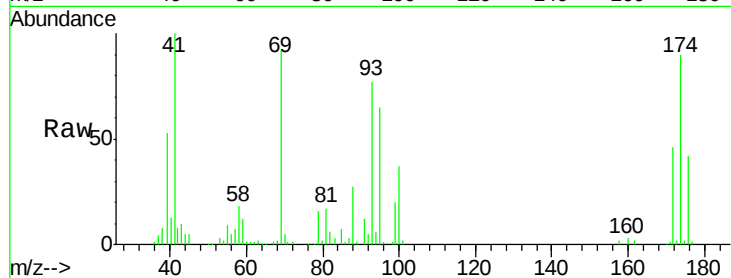
#49
1,4-Dioxane
Concen: 401.573 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	88	Resp	25279
Ion Ratio	100	Lower	Upper
88	100		
43	28.9	21.2	31.8
58	69.5	54.2	81.2

Manual Integrations
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MMDadoda
2/22/2019 10:30:08 AM

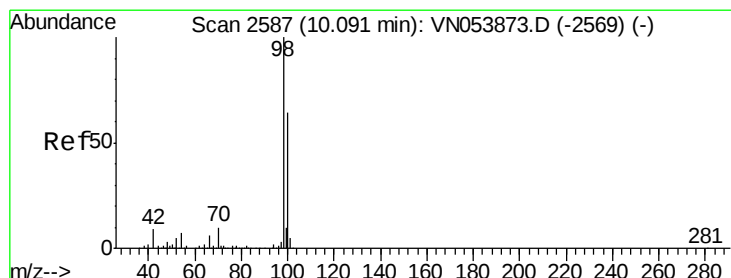
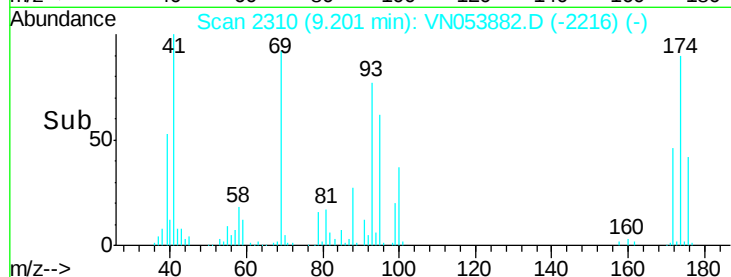
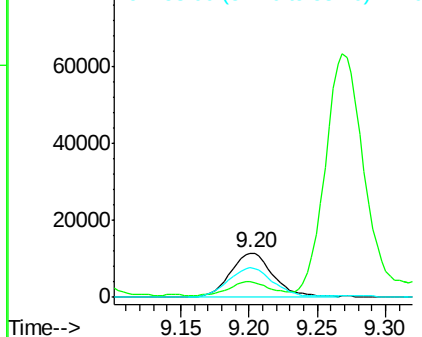


Abundance

Ion 88.00 (87.70 to 88.70): VN0

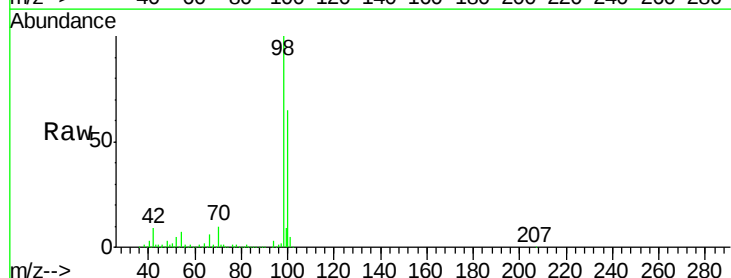
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.339 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

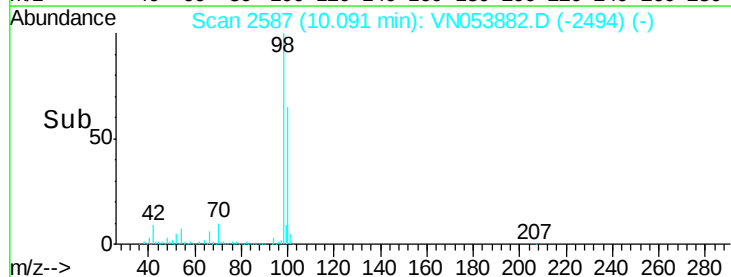
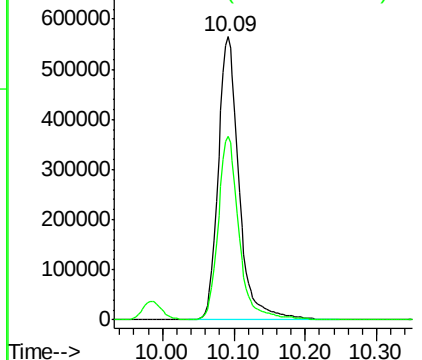
Tgt Ion	98	Resp	1145122
Ion Ratio	100	Lower	Upper
98	100		
100	64.9	51.9	77.9

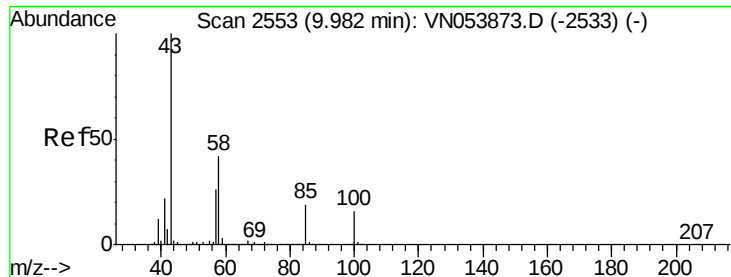


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





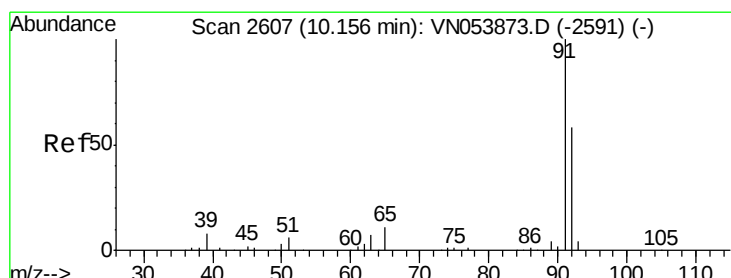
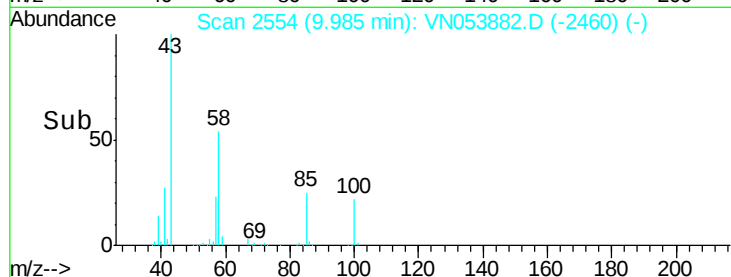
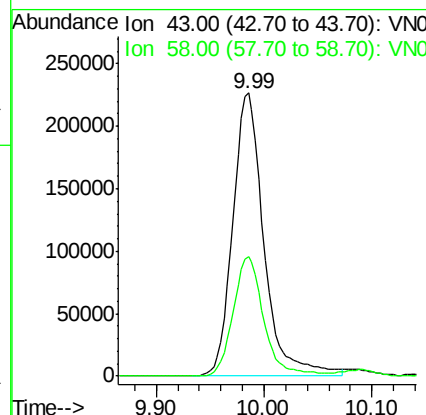
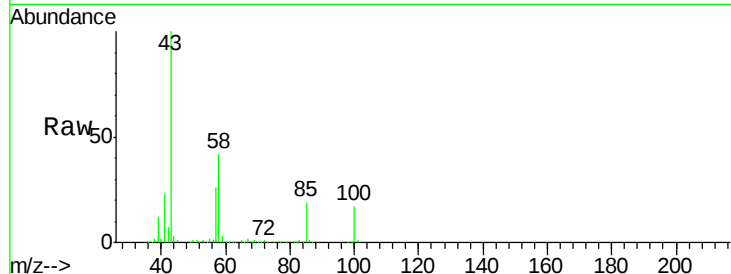
#51
 4-Methyl-2-Pentanone
 Concen: 98.403 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0221WBS01

Tot Ion: 43 Resp: 454829
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.7 49.1

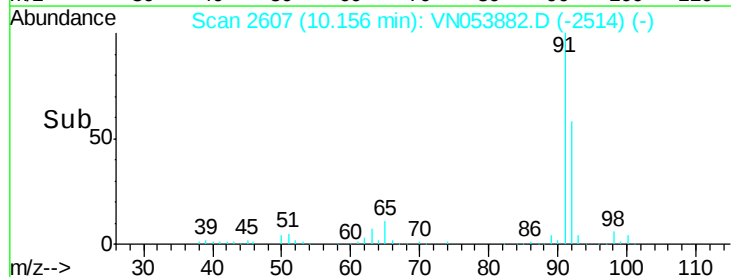
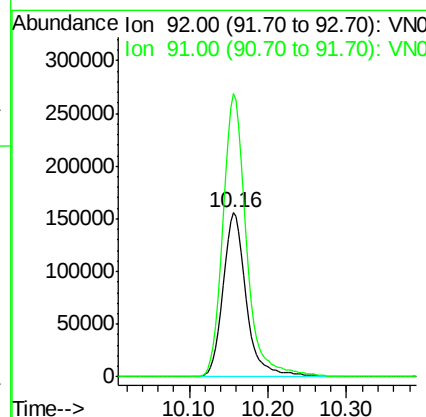
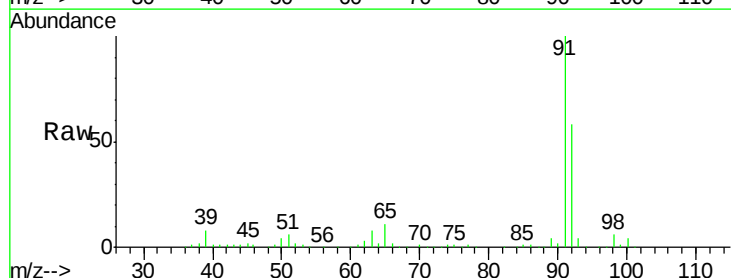
Manual Integrations
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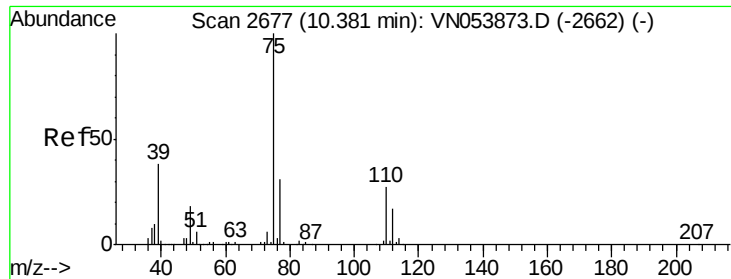
MMDadoda
 2/22/2019 10:30:08 AM



#52
 Toluene
 Concen: 20.622 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion: 92 Resp: 317813
 Ion Ratio Lower Upper
 92 100
 91 174.3 138.4 207.6





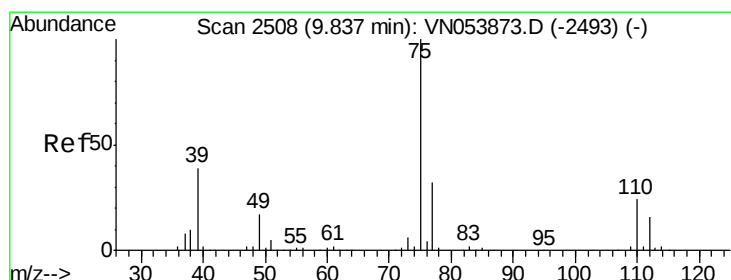
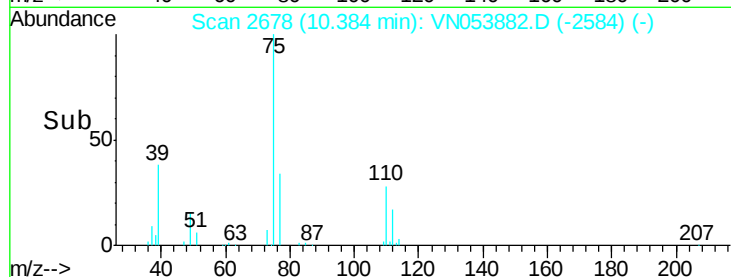
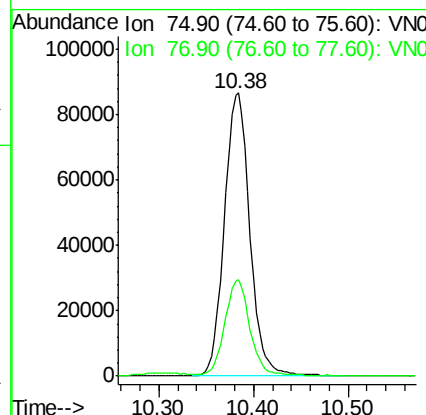
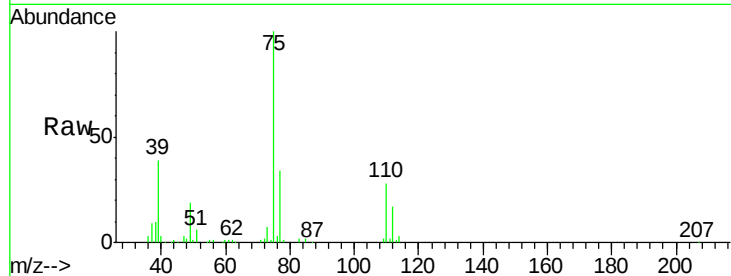
#53
t-1,3-Dichloropropene
Concen: 19.771 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0221WBS01

Tot Ion: 75 Resp: 161914
Ion Ratio Lower Upper
75 100
77 33.7 25.0 37.6

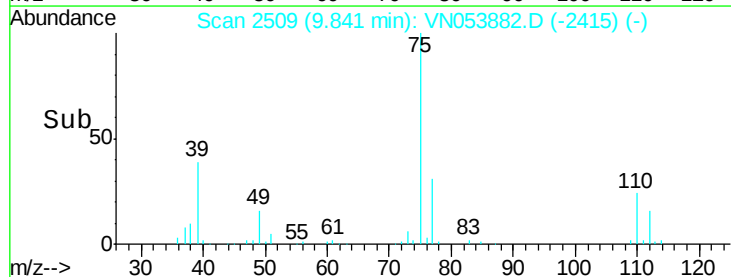
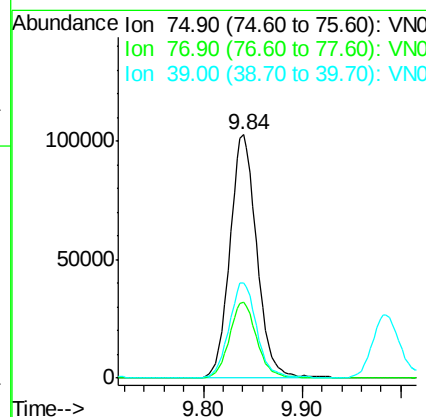
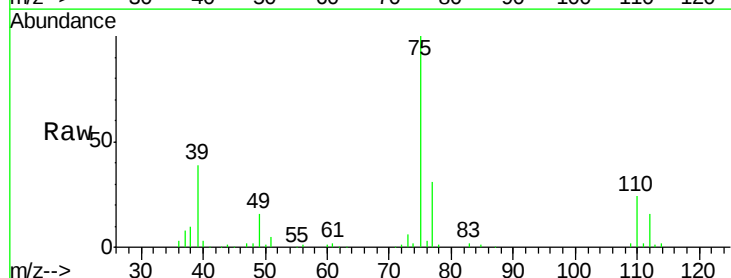
Manual Integrations
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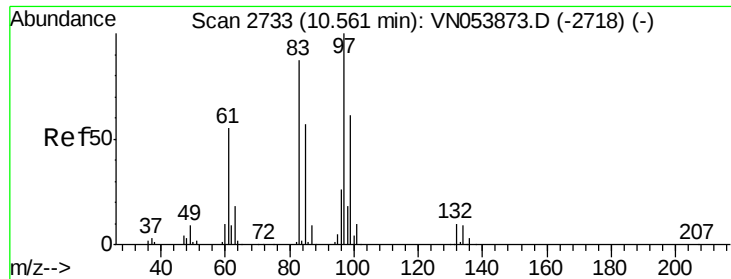
MMDadoda
2/22/2019 10:30:08 AM



#54
cis-1,3-Dichloropropene
Concen: 20.325 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 75 Resp: 196182
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.6
39 39.3 31.4 47.0





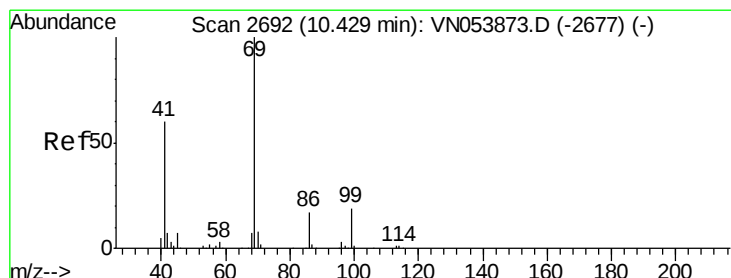
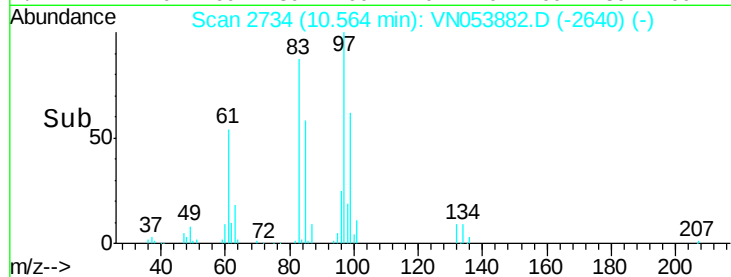
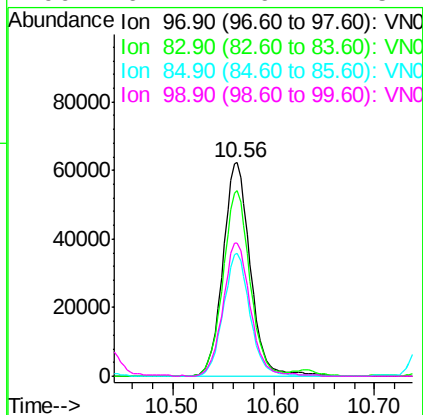
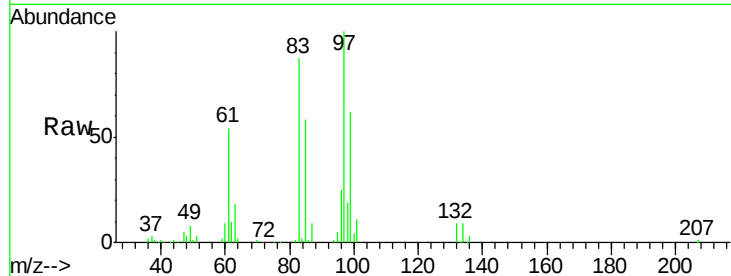
#55
 1,1,2-Trichloroethane
 Concen: 20.910 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.5	104.3
85	57.7	45.9	68.9
99	62.2	49.1	73.7

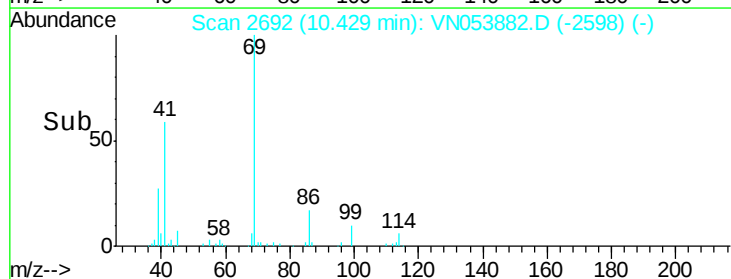
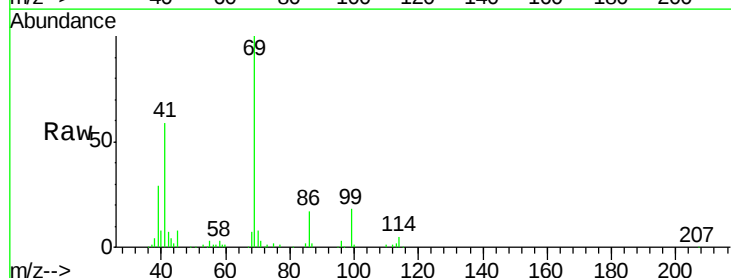
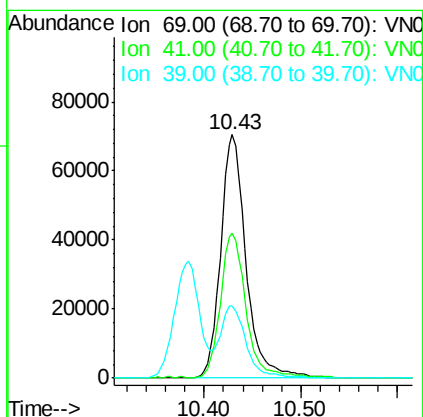
Manual Integrations
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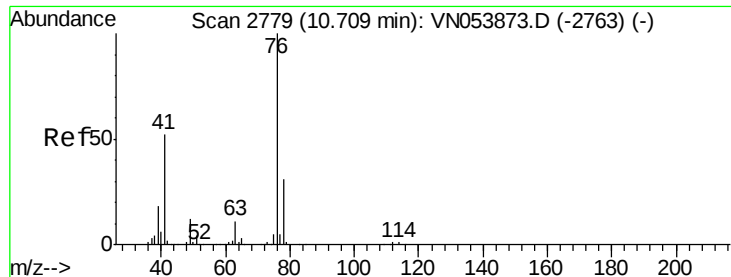
MMDadoda
 2/22/2019 10:30:08 AM



#56
 Ethyl methacrylate
 Concen: 19.310 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.7	47.5	71.3
39	30.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 20.403 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

VN0221WBS01

Tot Ion: 76 Resp: 193538

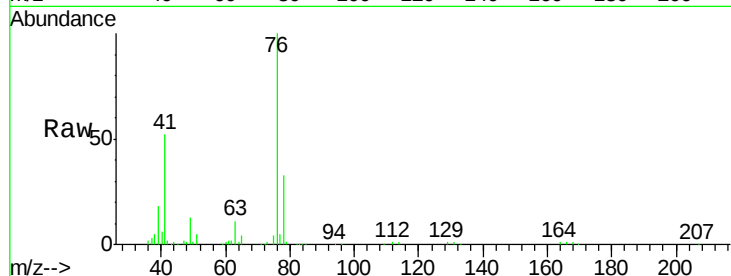
Ion Ratio Lower Upper

76 100

78 32.5 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
2/22/2019 10:30:08 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

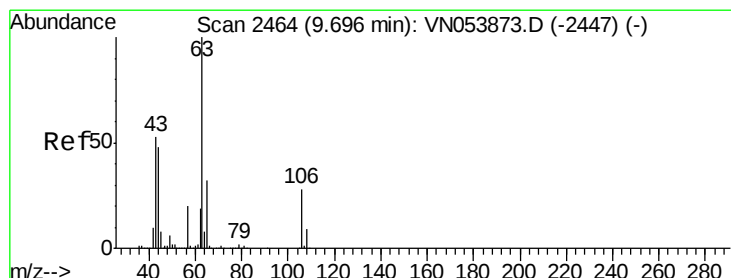
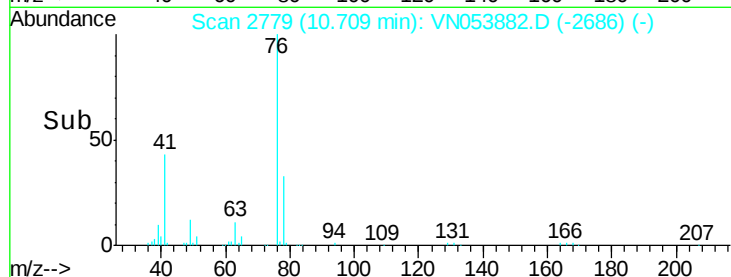
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 92.508 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053882.D

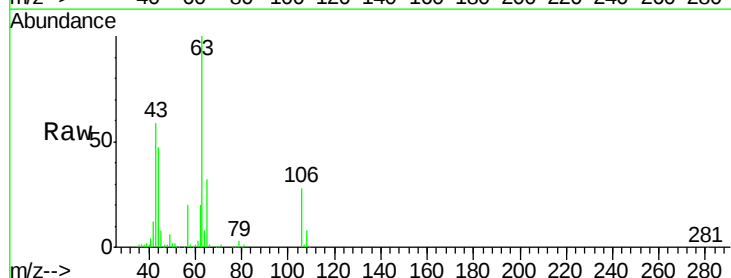
Acq: 21 Feb 2019 10:35

Tgt Ion: 63 Resp: 273008

Ion Ratio Lower Upper

63 100

106 28.4 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

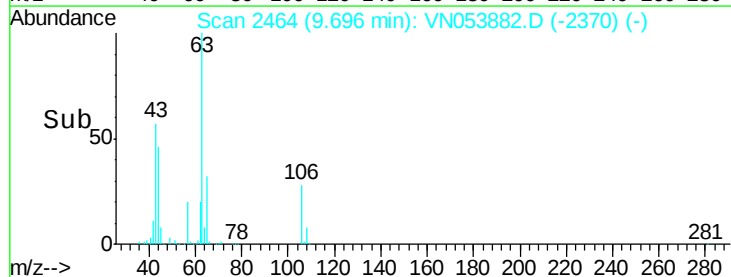
150000

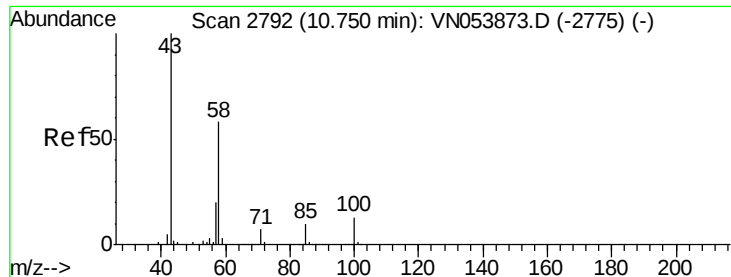
100000

50000

0

Time--> 9.60 9.70 9.80





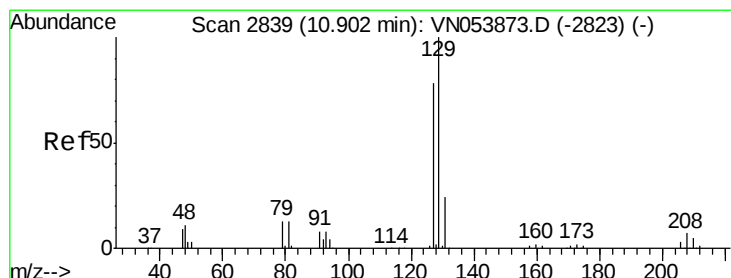
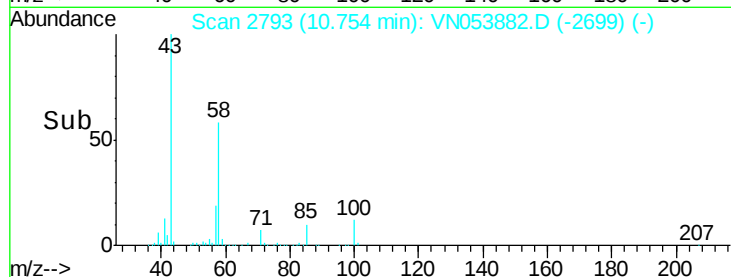
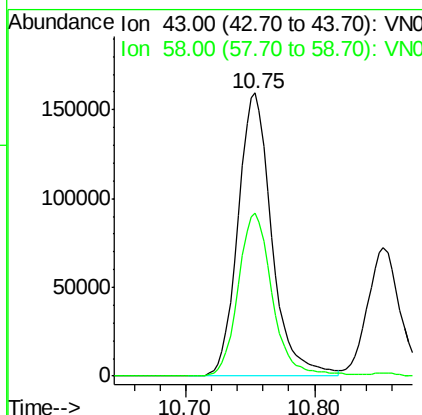
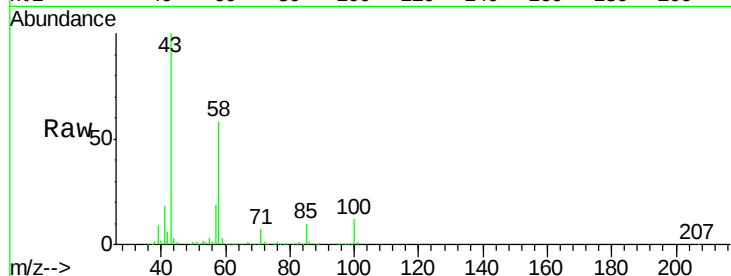
#59
2-Hexanone
Concen: 98.307 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	43	Resp	289404
Ion Ratio	43	100	
Lower	58	58.4	29.1
Upper			87.4

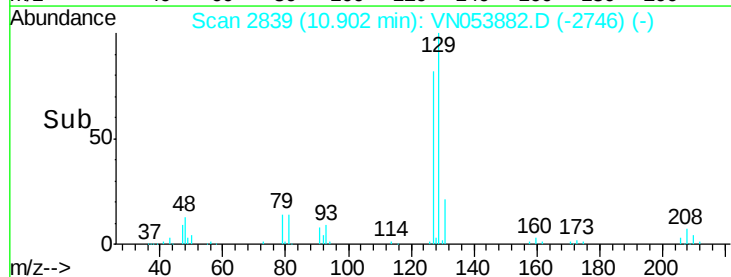
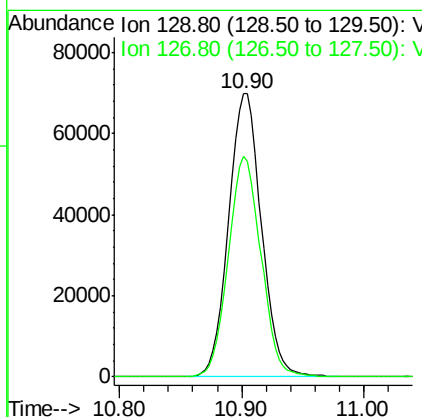
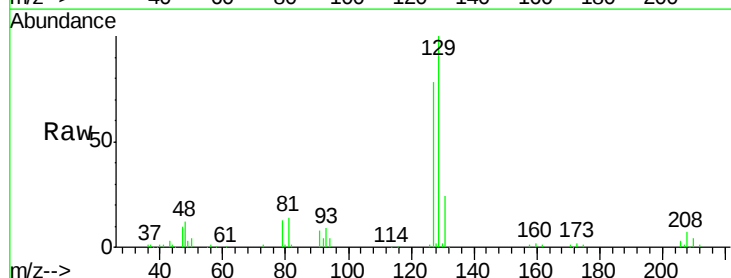
Manual Integrations
APPROVED

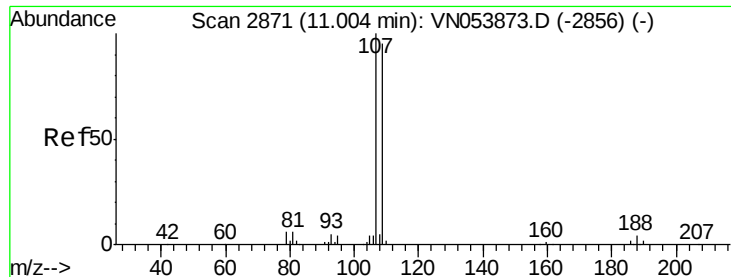
MMDadoda
2/22/2019 10:30:08 AM



#60
Dibromochloromethane
Concen: 19.952 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	129	Resp	131202
Ion Ratio	129	100	
Lower	127	77.5	38.8
Upper			116.3





#61

1,2-Dibromoethane

Concen: 19.889 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion:107 Resp: 111321

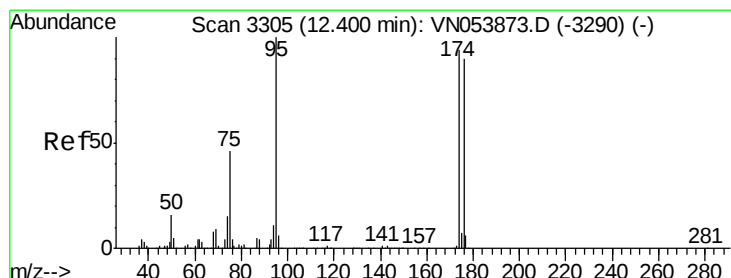
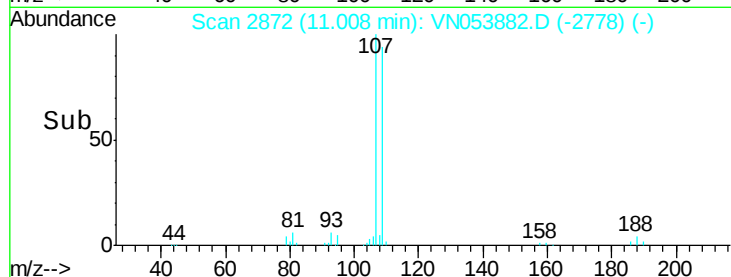
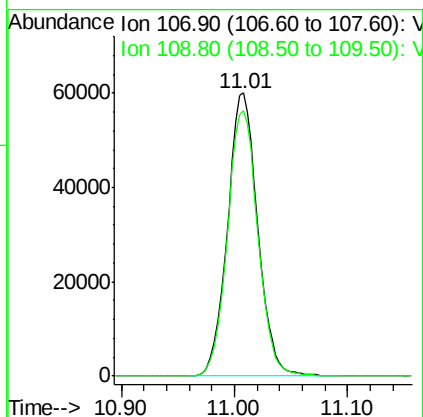
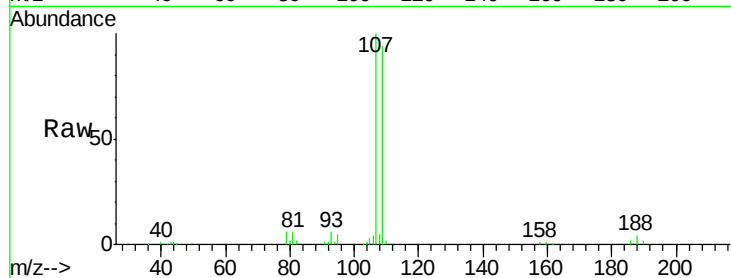
Ion Ratio Lower Upper

107 100

109 94.9 76.3 114.5

Manual Integrations
APPROVED

MMDadoda
2/22/2019 10:30:08 AM



#62

4-Bromofluorobenzene

Concen: 49.070 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

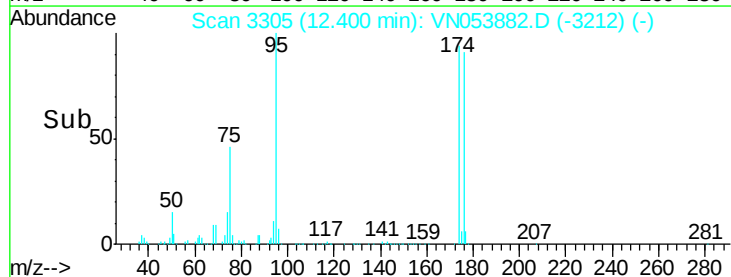
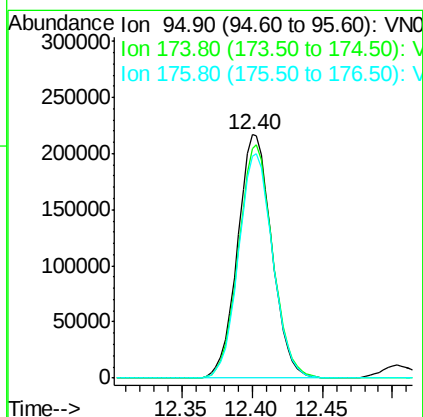
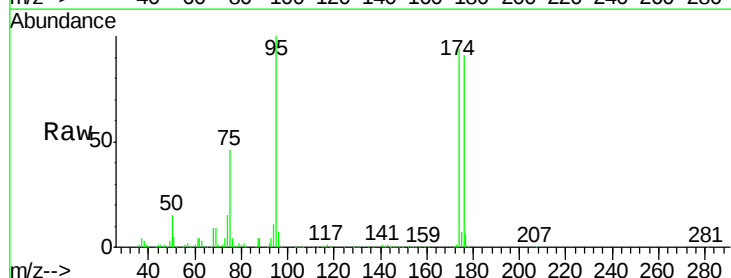
Tgt Ion: 95 Resp: 368524

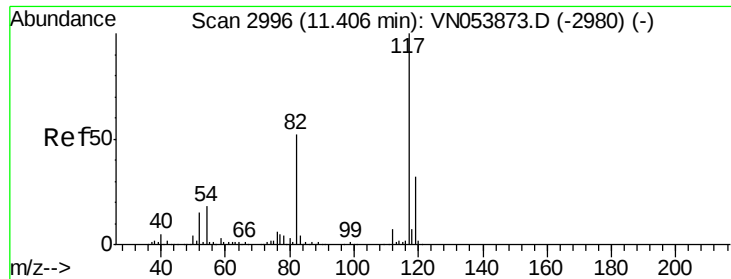
Ion Ratio Lower Upper

95 100

174 95.4 0.0 188.8

176 92.3 0.0 182.6





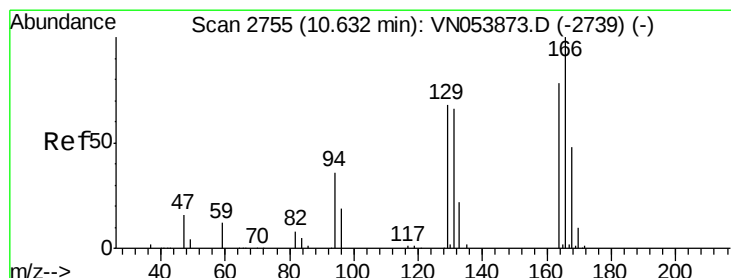
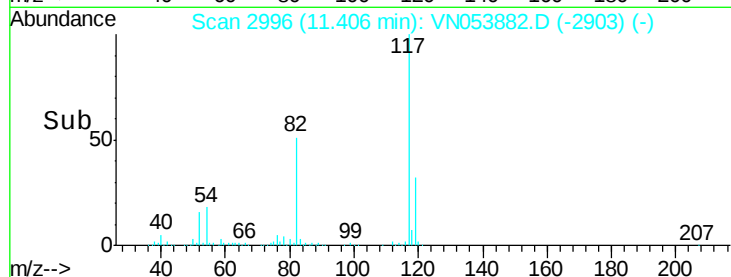
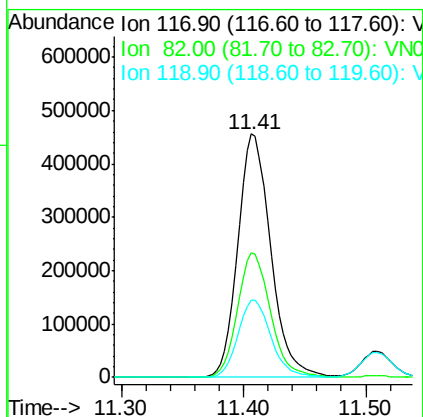
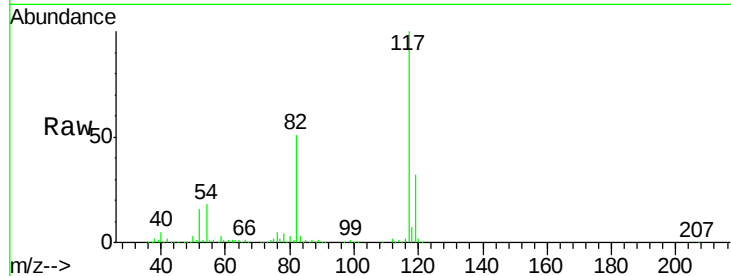
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	850790		
82	51.2		41.4	62.2
119	31.7		25.3	37.9

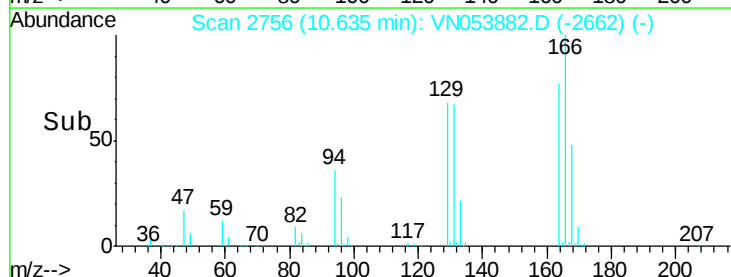
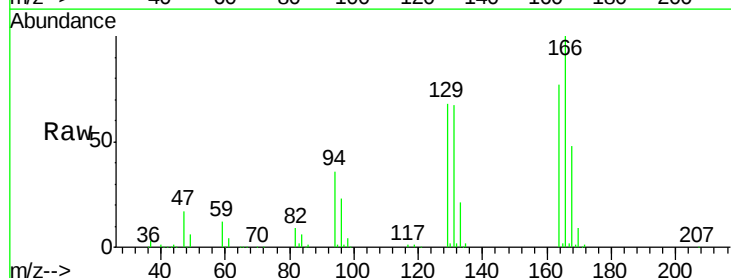
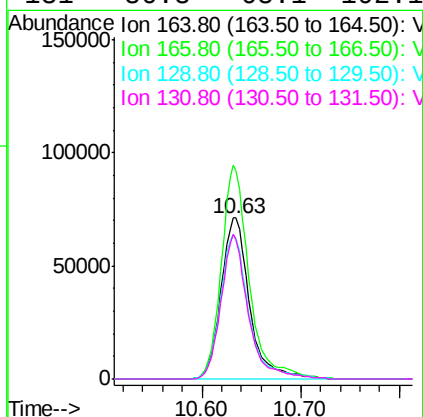
Manual Integrations
APPROVED

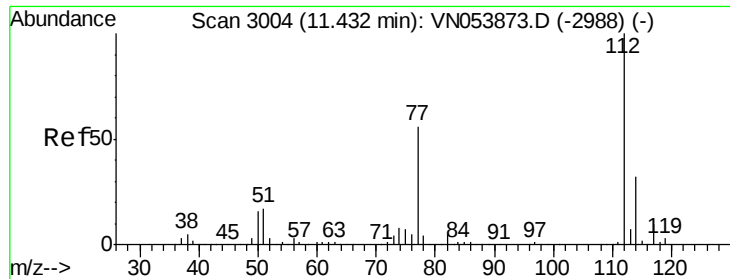
MMDadoda
2/22/2019 10:30:08 AM



#64
Tetrachloroethene
Concen: 18.974 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	144349		
166	129.3		102.6	153.8
129	87.4		69.4	104.0
131	86.8		68.1	102.1





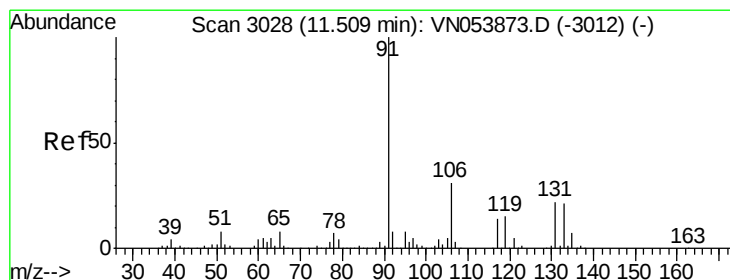
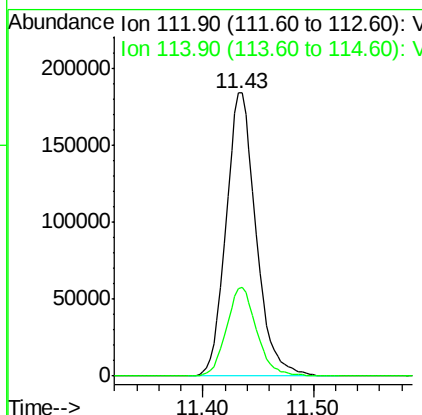
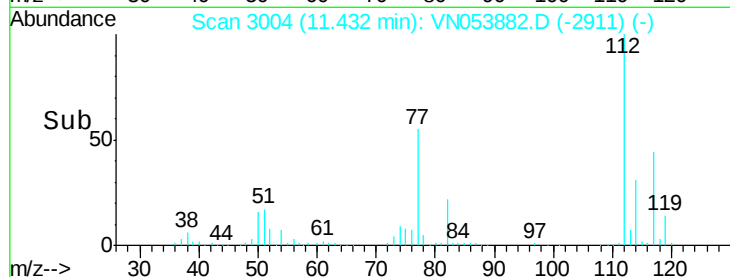
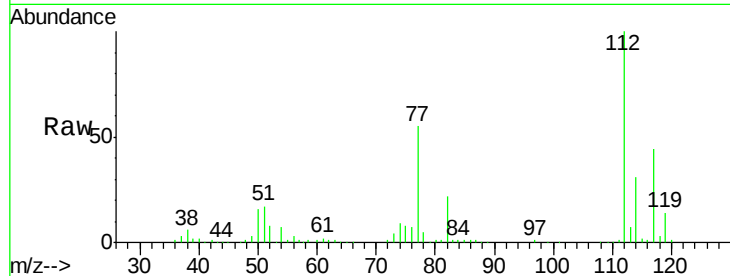
#65
Chlorobenzene
Concen: 19.441 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0221WBS01

Tot Ion:112 Resp: 346208
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5

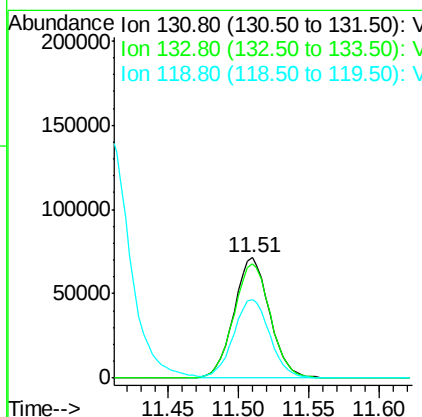
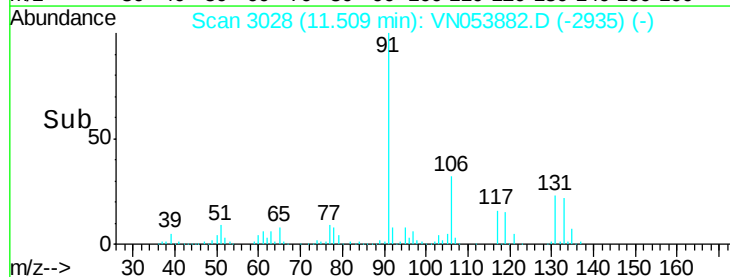
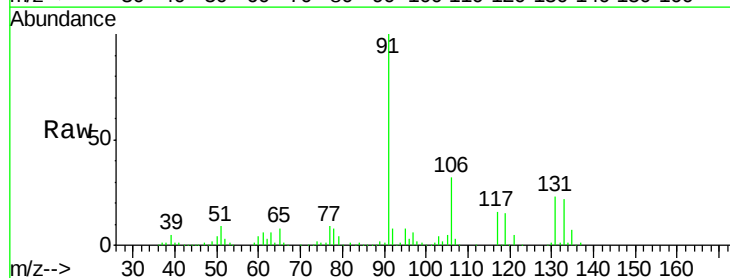
Manual Integrations
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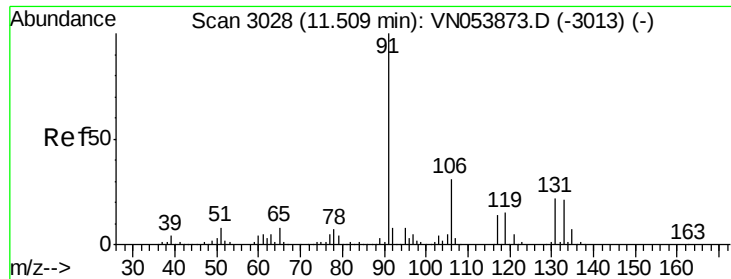
MMDadoda
2/22/2019 10:30:08 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.558 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion:131 Resp: 127095
Ion Ratio Lower Upper
131 100
133 97.3 47.7 143.1
119 66.6 33.1 99.3





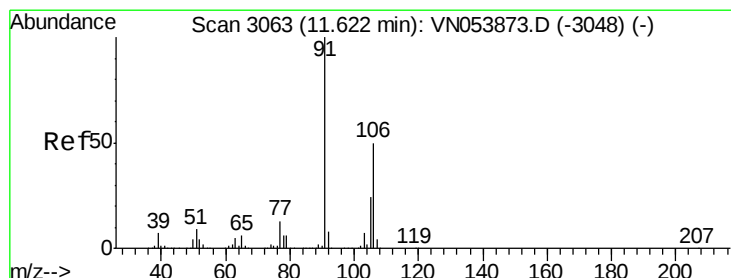
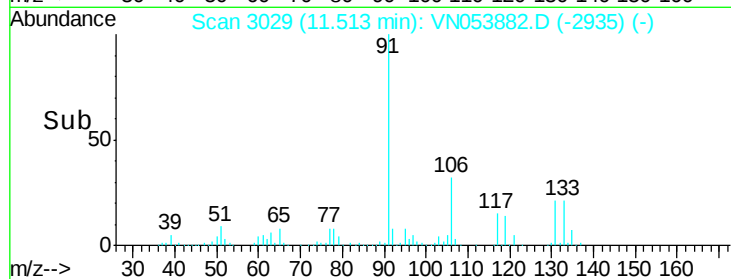
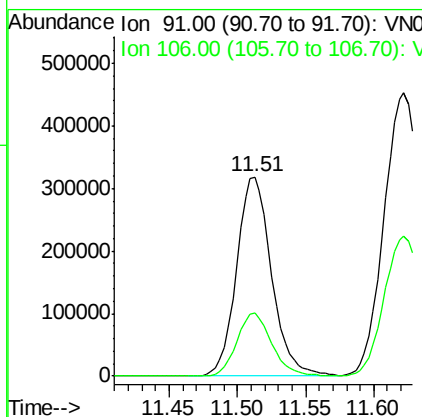
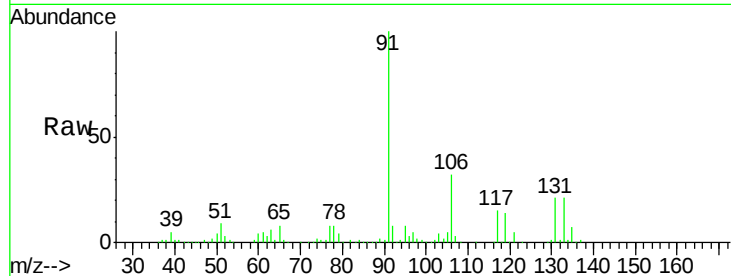
#67
Ethyl Benzene
Concen: 19.634 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VN0221WBS01

Tot Ion: 91 Resp: 565874
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

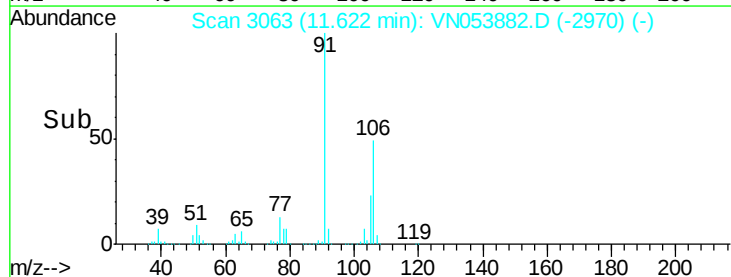
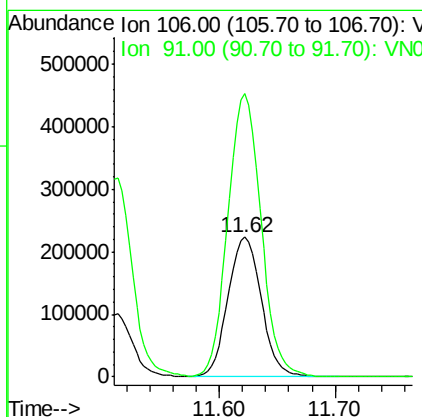
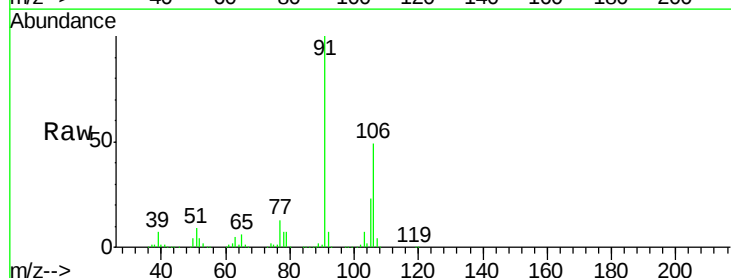
Manual Integrations
APPROVED

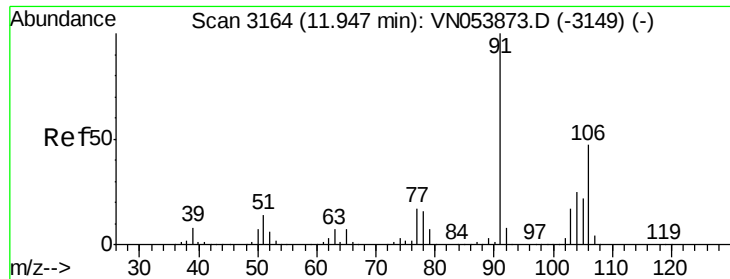
MMDadoda
2/22/2019 10:30:08 AM



#68
m/p-Xylenes
Concen: 39.876 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion: 106 Resp: 444990
Ion Ratio Lower Upper
106 100
91 201.4 158.9 238.3





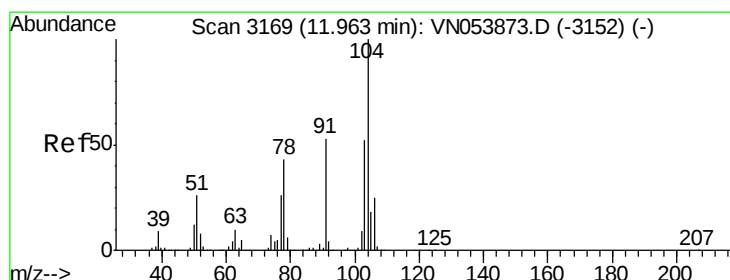
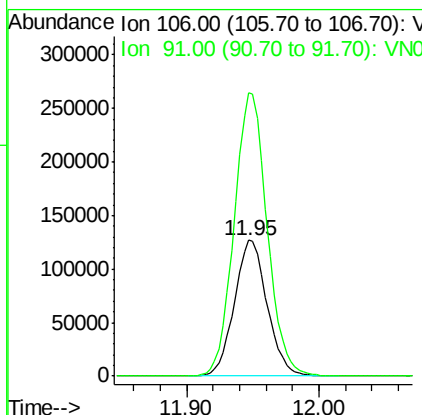
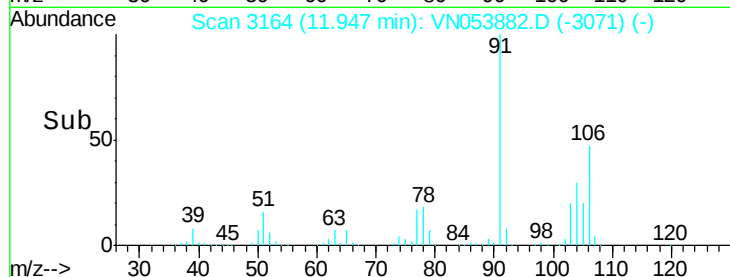
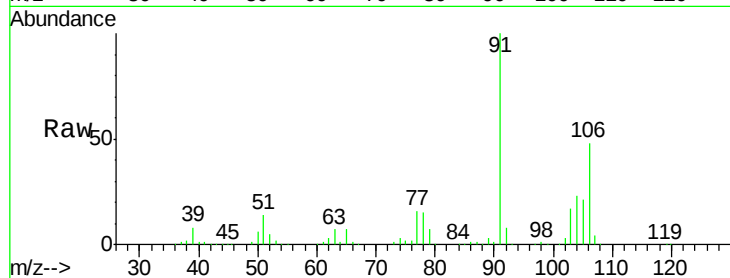
#69
o-Xylene
Concen: 20.248 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion:106 Resp: 217527
Ion Ratio Lower Upper
106 100
91 209.7 106.0 318.0

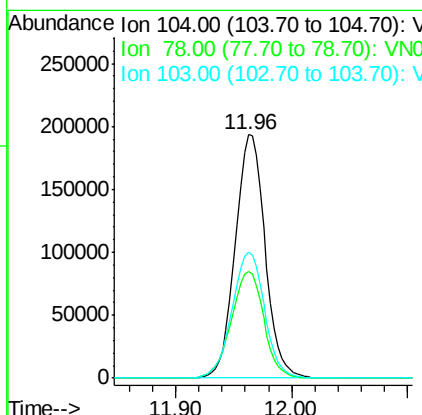
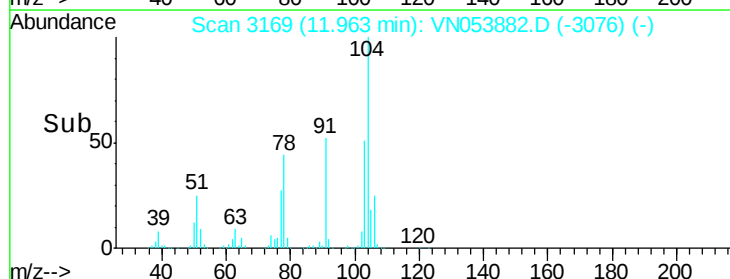
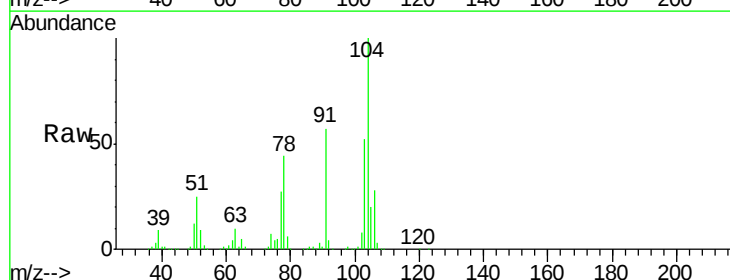
Manual Integrations
APPROVED

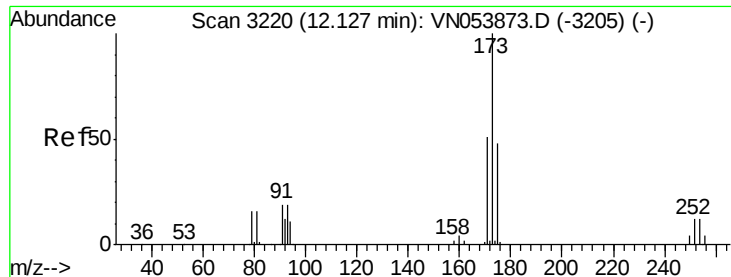
MMDadoda
2/22/2019 10:30:08 AM



#70
Styrene
Concen: 20.470 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion:104 Resp: 345093
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 56.4 44.6 67.0





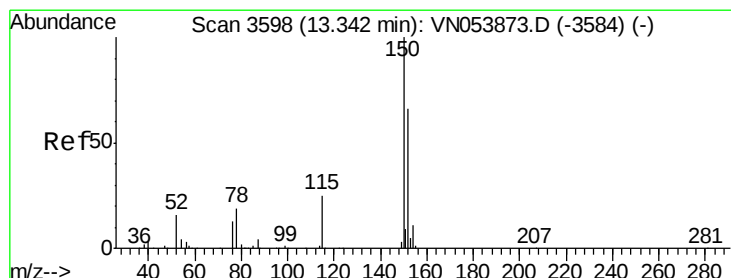
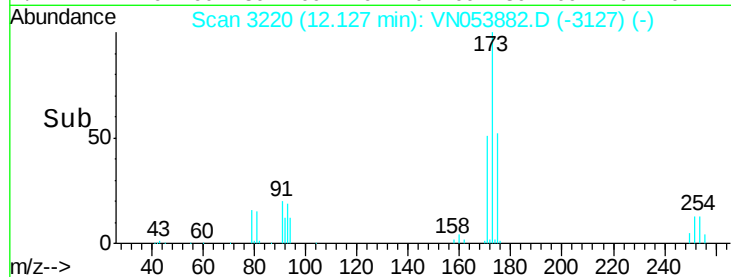
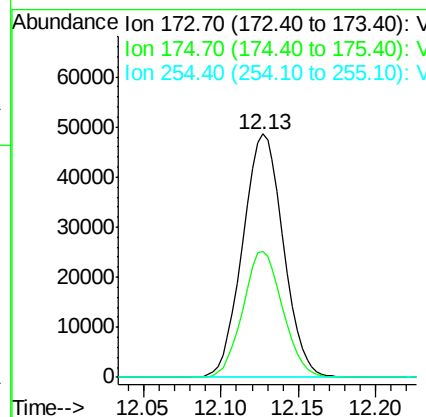
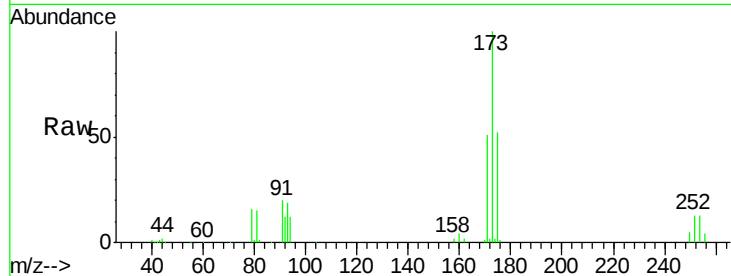
#71
Bromoform
Concen: 19.271 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.3	72.8
254	0.0	0.2	0.2

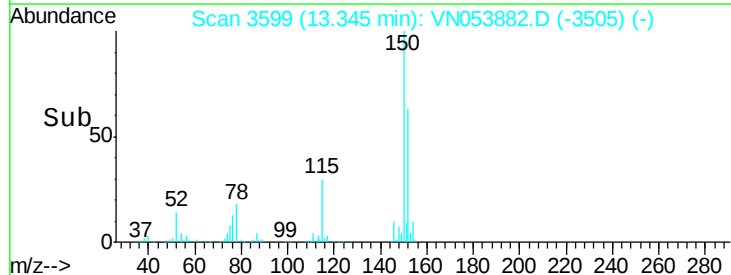
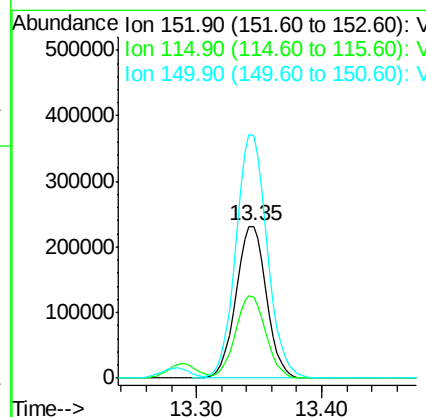
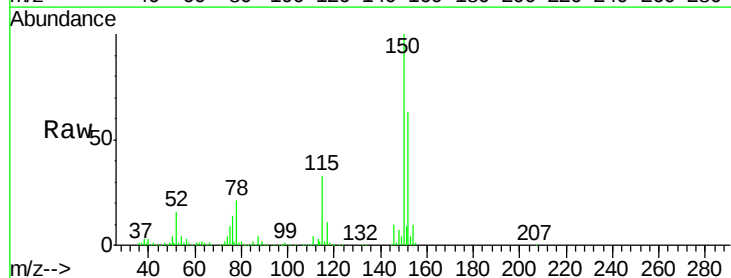
Manual Integrations
APPROVED

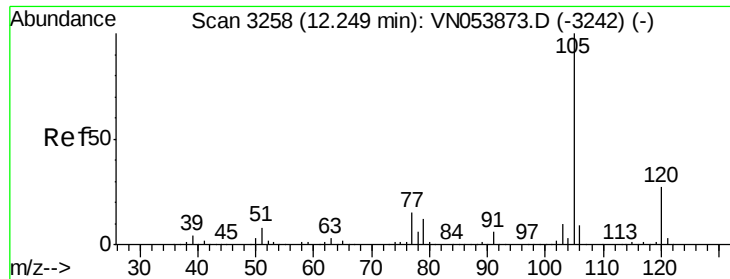
MMDadoda
2/22/2019 10:30:08 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.2	81.6
150	165.3	0.0	348.2





#73

Isopropylbenzene

Concen: 20.838 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion:105 Resp: 569827

Ion Ratio Lower Upper

105 100

120 27.0

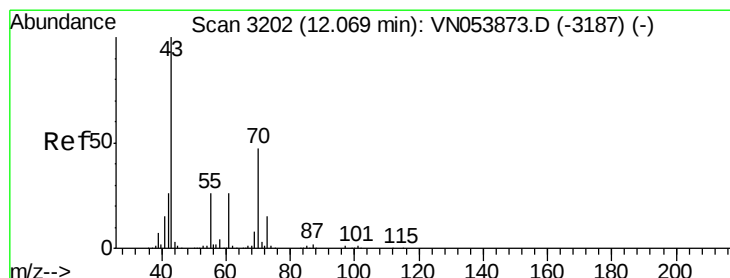
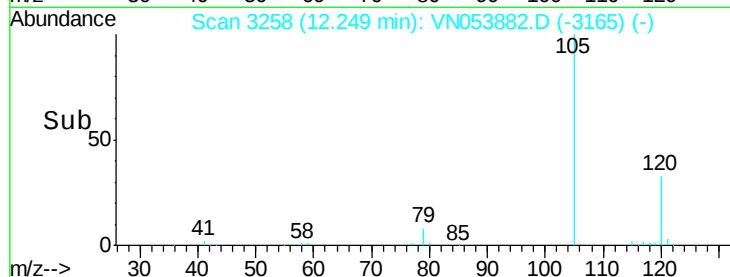
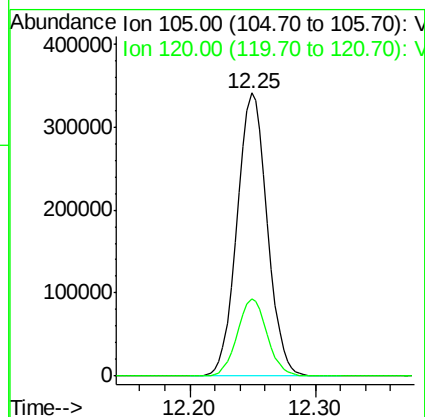
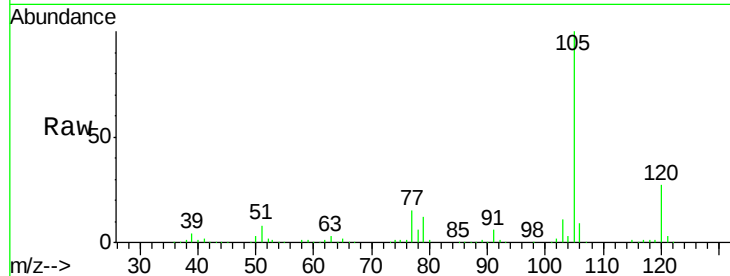
13.5 40.5

Manual Integrations

APPROVED

MMDadoda

2/22/2019 10:30:08 AM



#74

N-ethyl acetate

Concen: 19.430 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion: 43 Resp: 122008

Ion Ratio Lower Upper

43 100

70 47.0

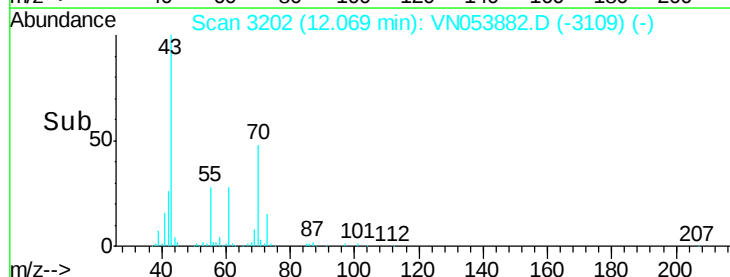
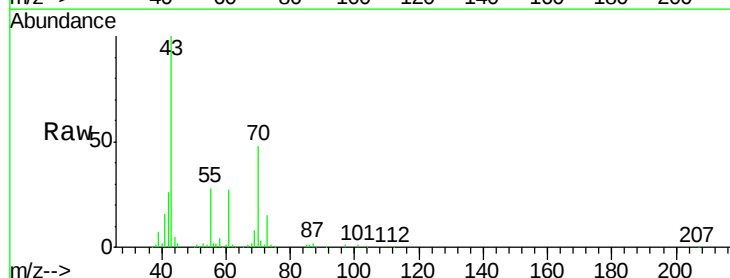
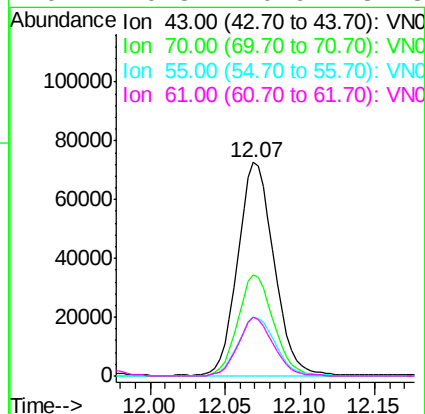
55 28.4

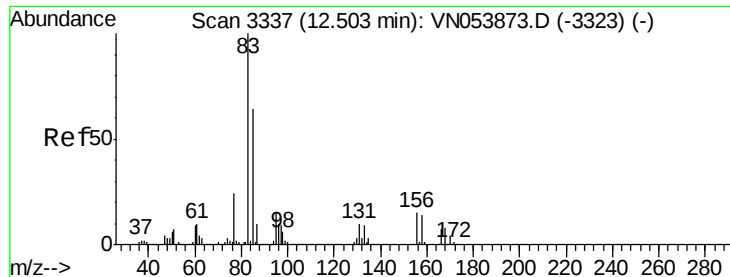
61 26.8

37.4 56.2

21.4 32.0

20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.495 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion: 83 Resp: 132498

Ion Ratio Lower Upper

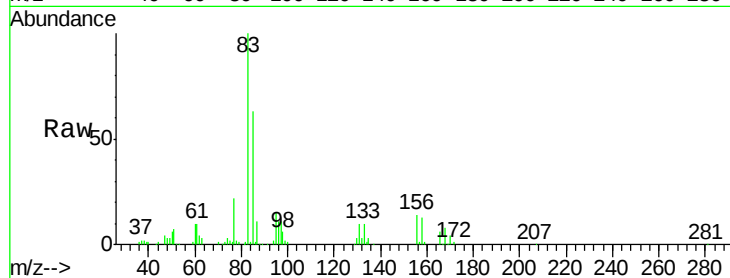
83 100

131 10.7 5.3 16.1

85 64.4 31.9 95.9

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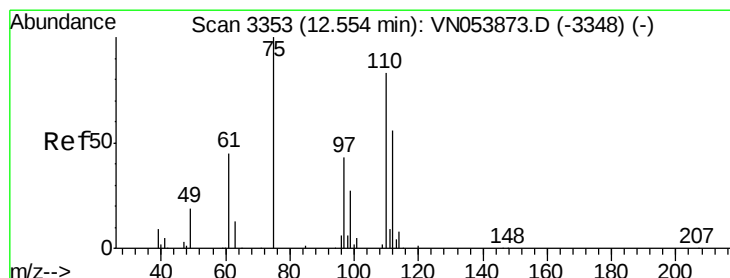
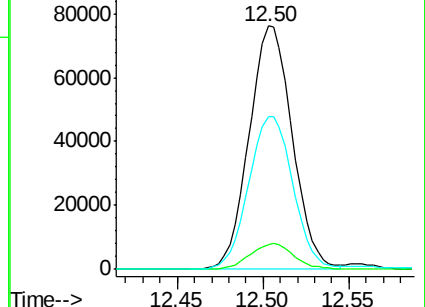
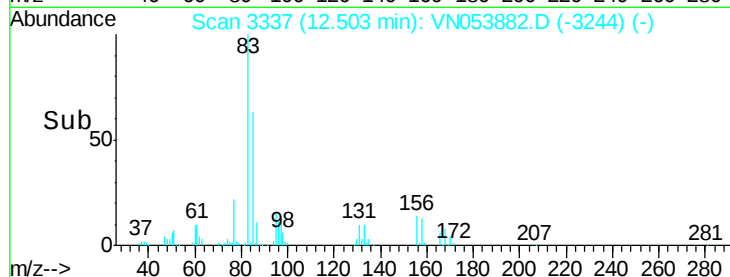


Abundance Ion 82.90 (82.60 to 83.60): VN053882.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053882.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053882.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.720 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053882.D

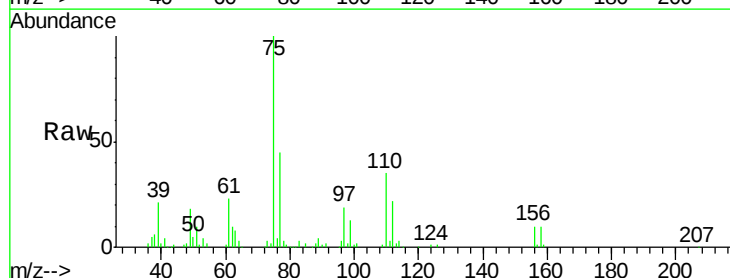
Acq: 21 Feb 2019 10:35

Tgt Ion: 75 Resp: 112368

Ion Ratio Lower Upper

75 100

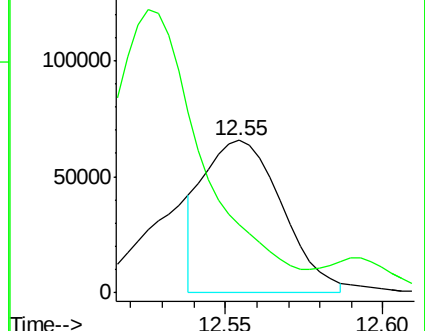
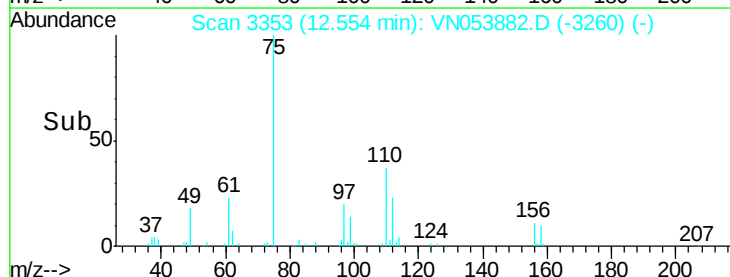
77 0.0 0.0 0.0

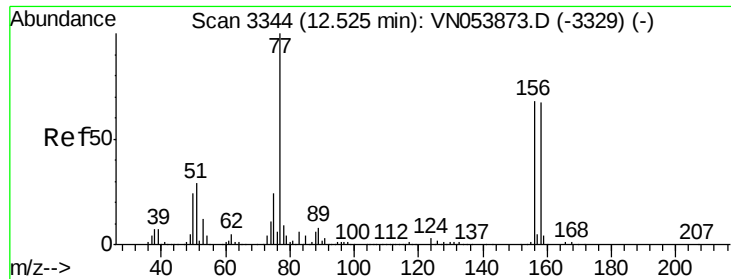


Abundance Ion 74.90 (74.60 to 75.60): VN053882.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053882.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 20.292 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

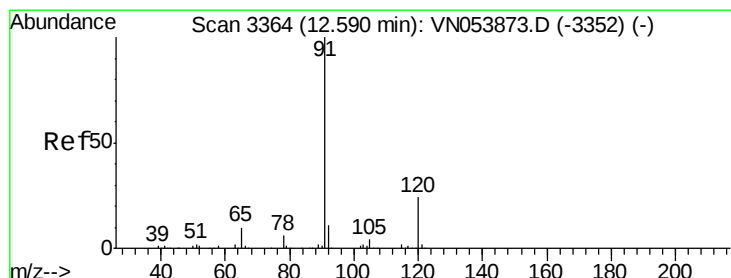
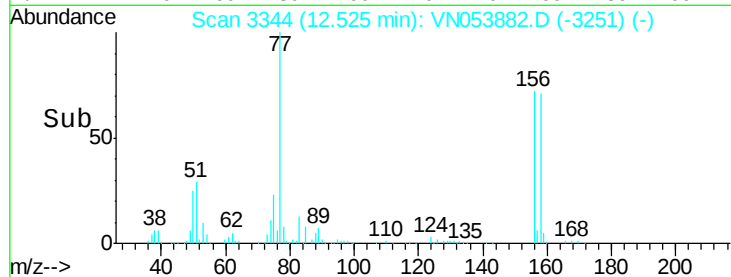
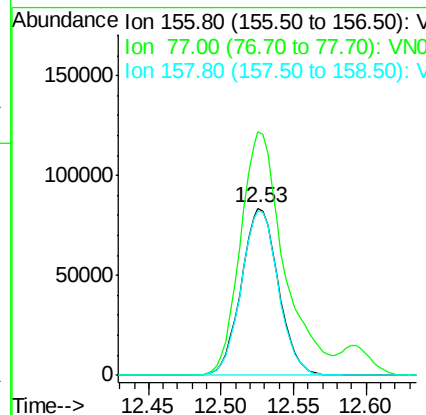
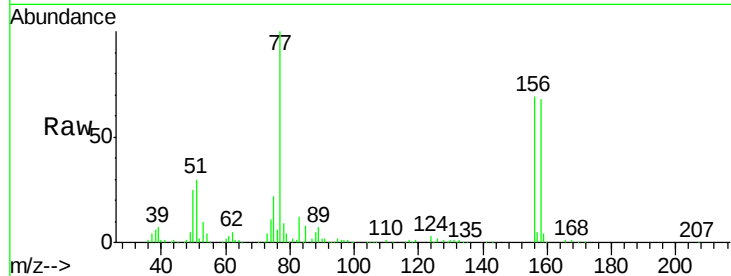
ClientSampleId :

VN0221WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		148851		
77	171.6	84.0	252.2		
158	98.3	48.5	145.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 20.961 ug/l

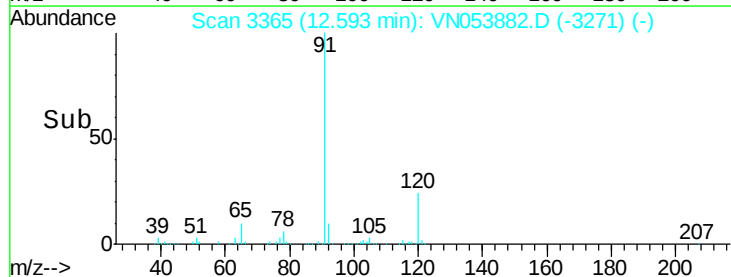
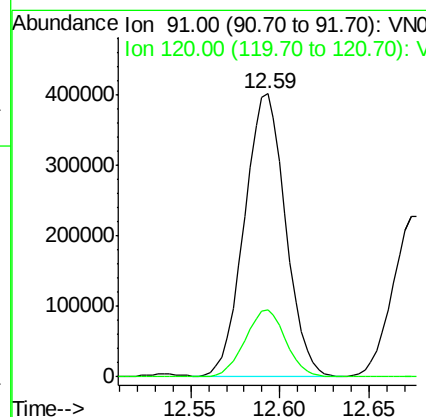
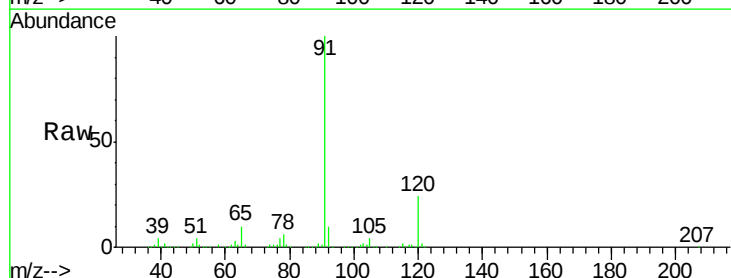
RT: 12.59 min Scan# 3365

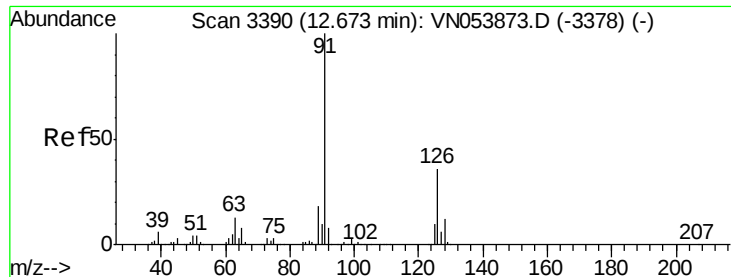
Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		640972		
120	23.7	11.9	35.9		





#79

2-Chlorotoluene

Concen: 20.669 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

VN0221WBS01

Tot Ion: 91 Resp: 381098

Ion Ratio Lower Upper

91 100

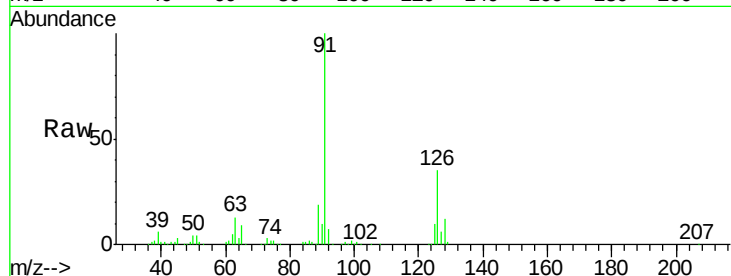
126 35.8 18.1 54.4

Manual Integrations

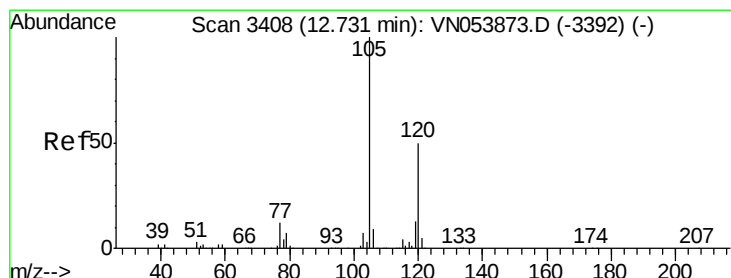
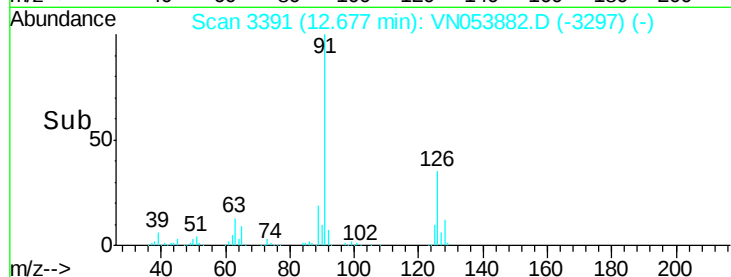
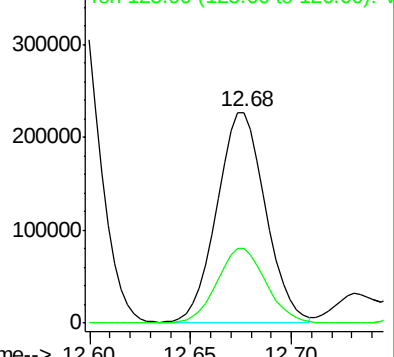
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Abundance Ion 91.00 (90.70 to 91.70): VN053882.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.365 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053882.D

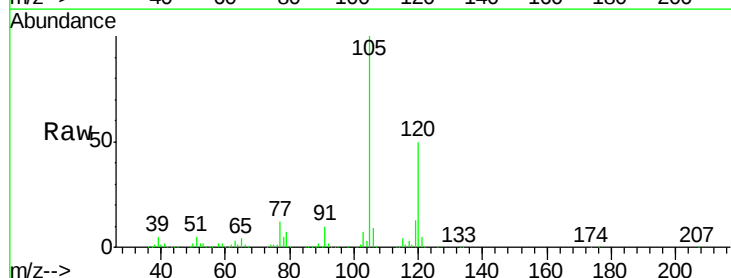
Acq: 21 Feb 2019 10:35

Tgt Ion: 105 Resp: 484941

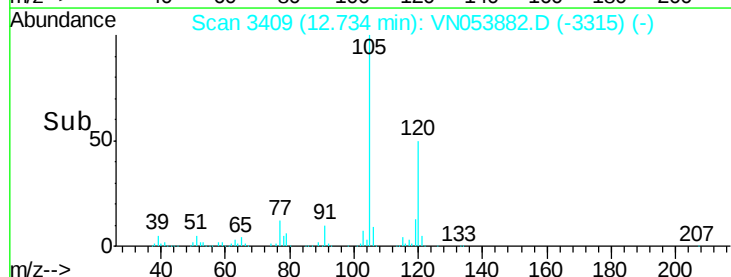
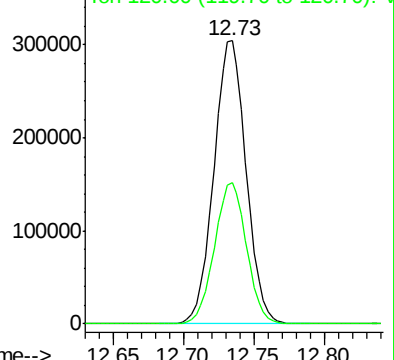
Ion Ratio Lower Upper

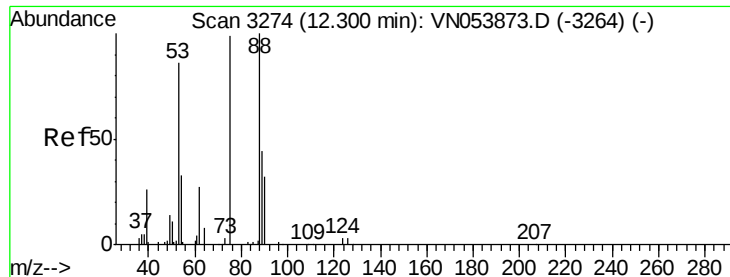
105 100

120 49.7 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053882.D (-3315) (-)





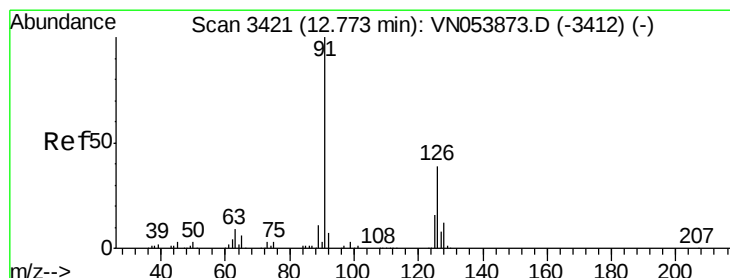
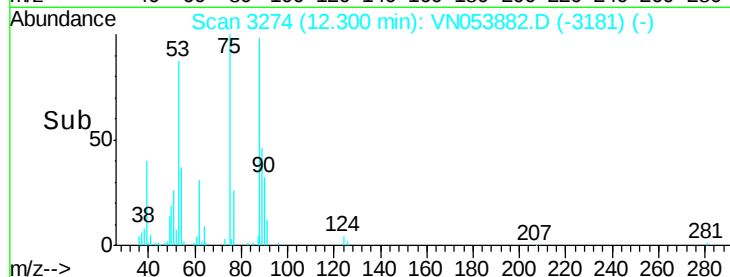
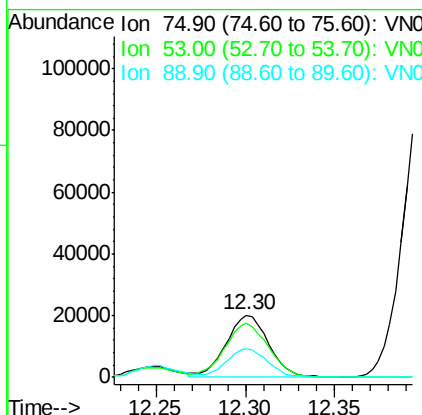
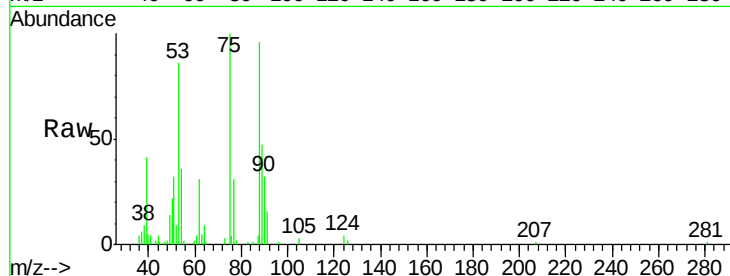
#81
trans-1,4-Dichloro-2-butene
Concen: 19.412 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.7	68.6	102.8
89	44.7	35.3	52.9

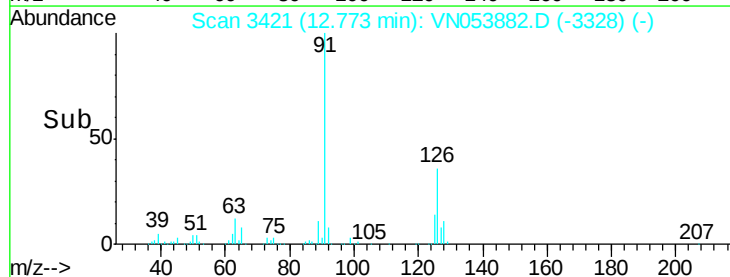
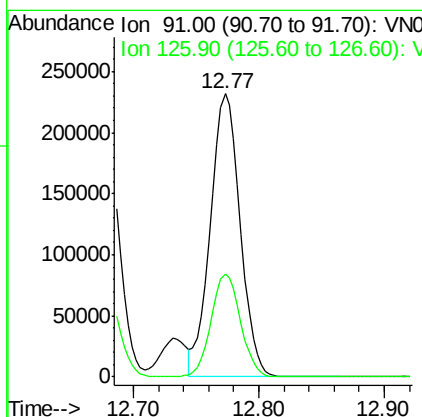
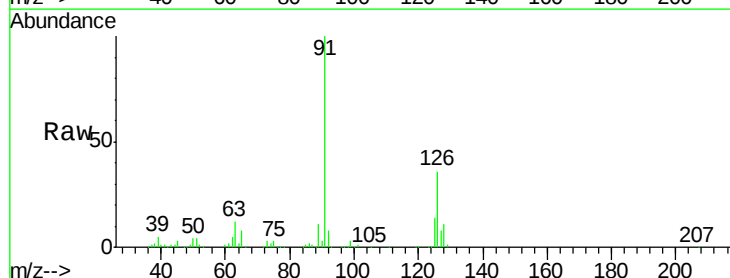
Manual Integrations
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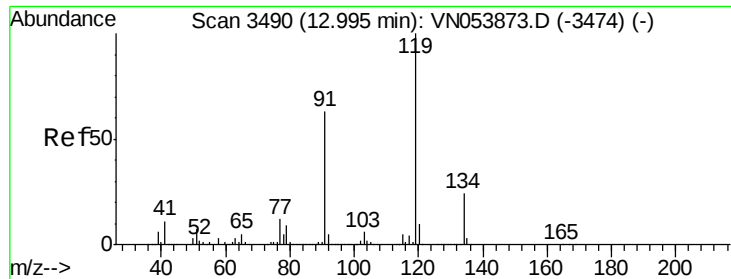
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.807 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.0	54.0





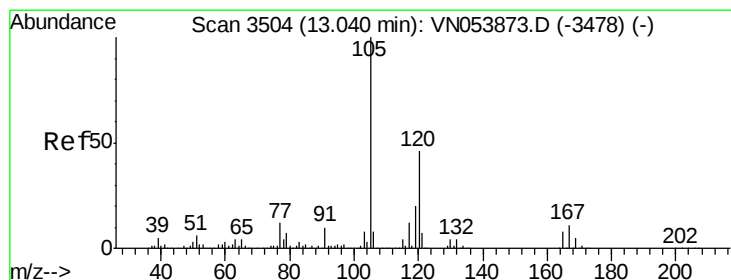
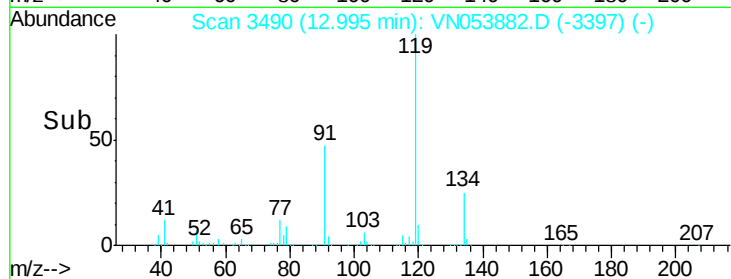
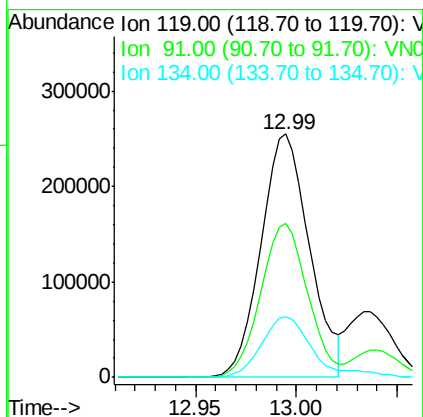
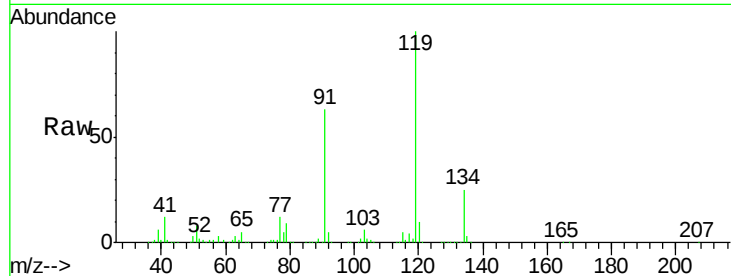
#83
 tert-Butylbenzene
 Concen: 20.931 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	426596		
91	61.3	30.6	91.8	
134	26.5	13.0	39.0	

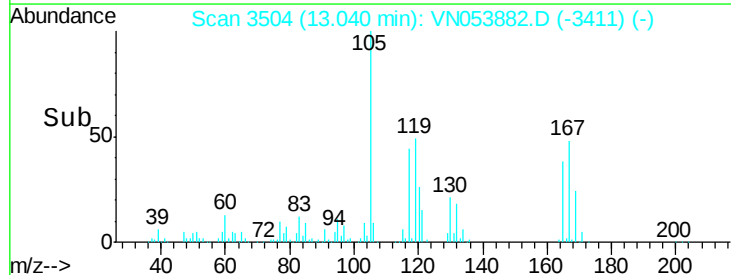
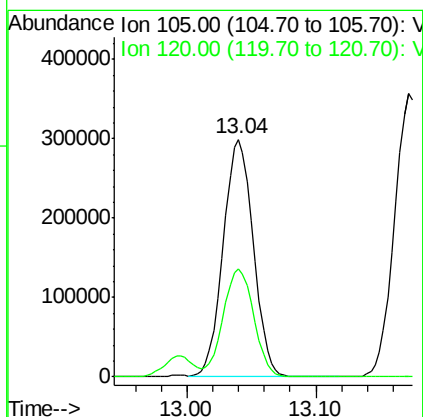
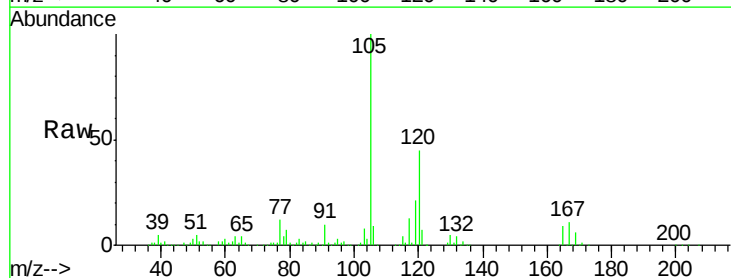
Manual Integrations
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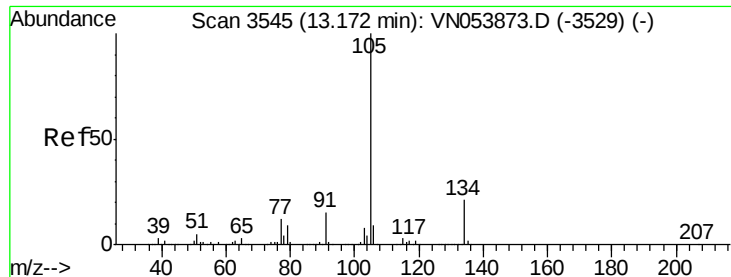
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.274 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	484315		
120	46.1	23.2	69.5	





#85

sec-Butylbenzene

Concen: 20.866 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBS01

Tot Ion:105 Resp: 572600

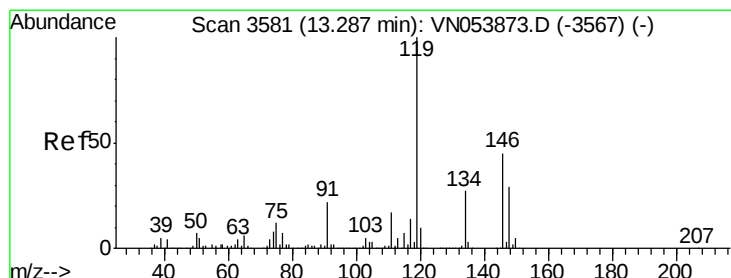
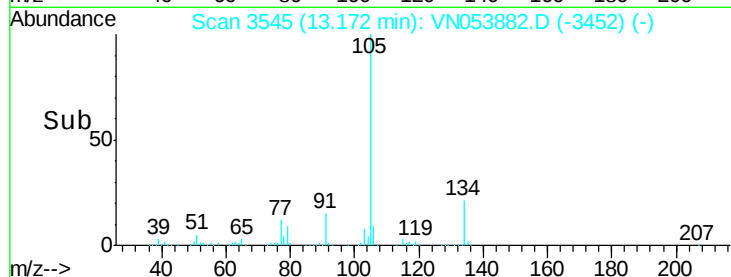
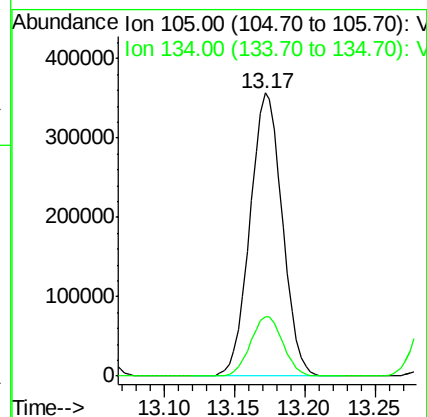
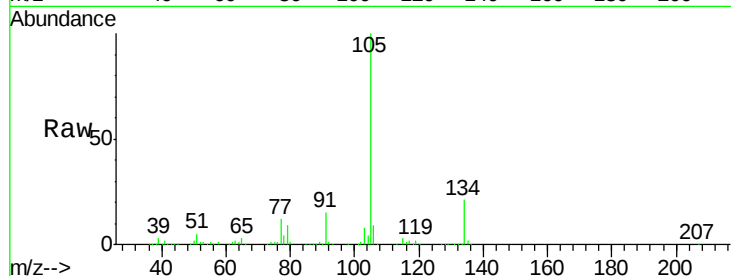
Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.913 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

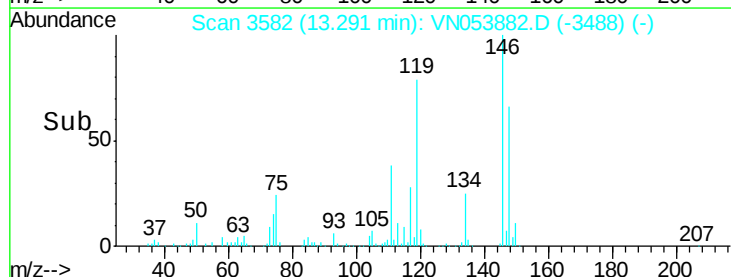
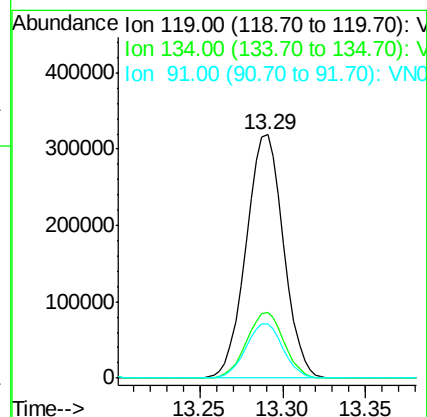
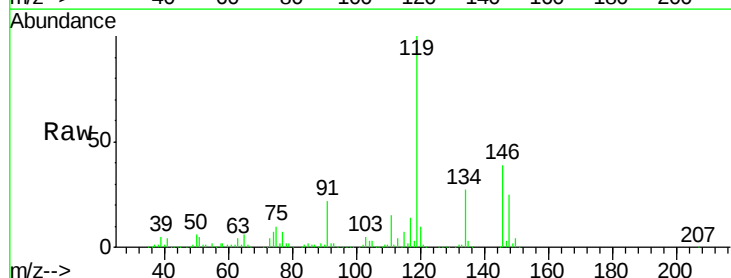
Tgt Ion:119 Resp: 498083

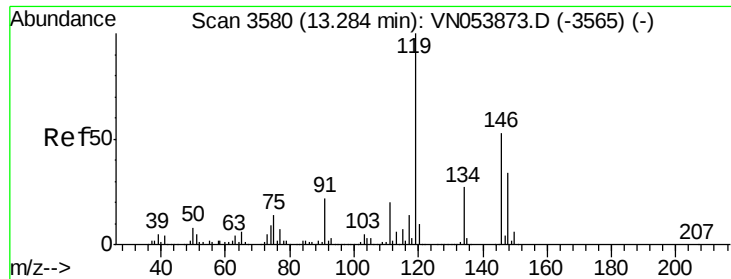
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.3 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 19.885 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

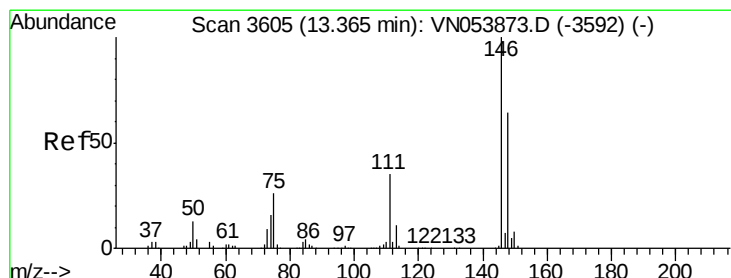
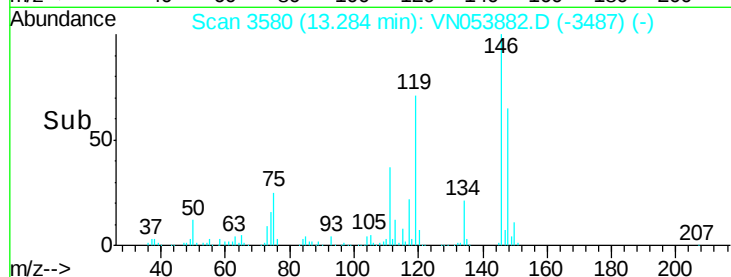
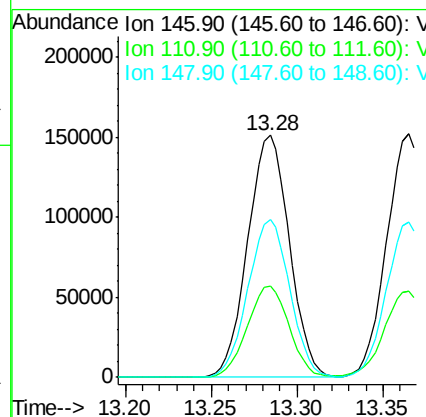
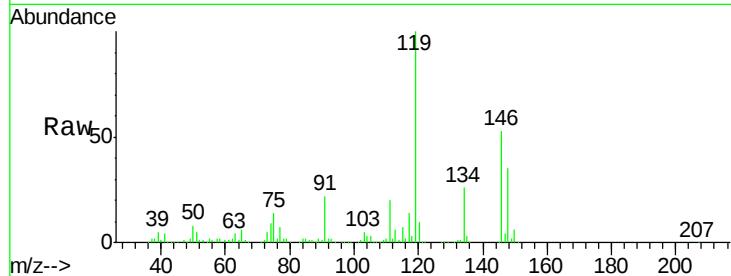
ClientSampleId :

VN0221WBS01

Tot Ion:	146	Resp:	254533
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.7	56.1
148	65.4	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.557 ug/l

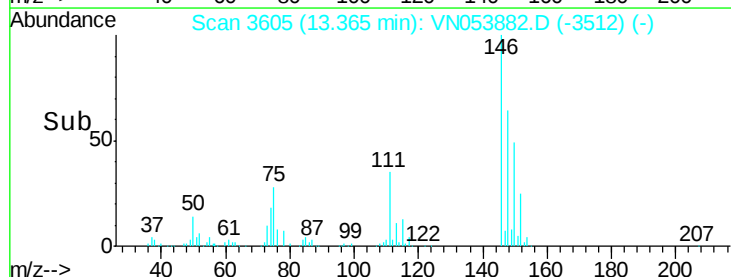
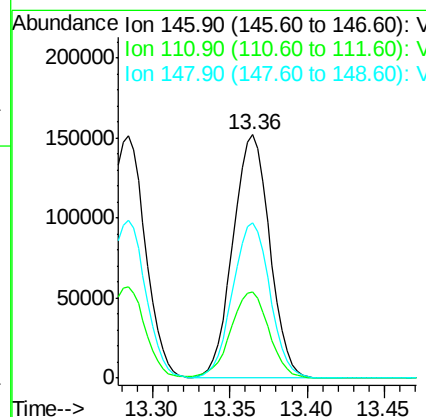
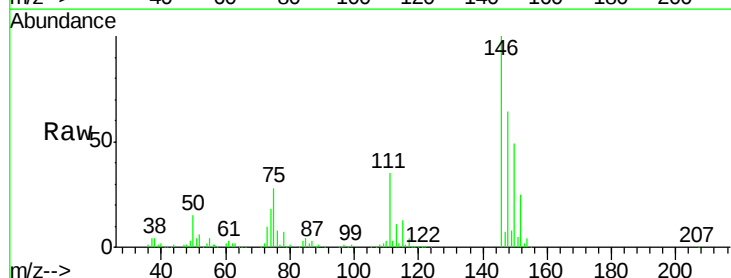
RT: 13.36 min Scan# 3605

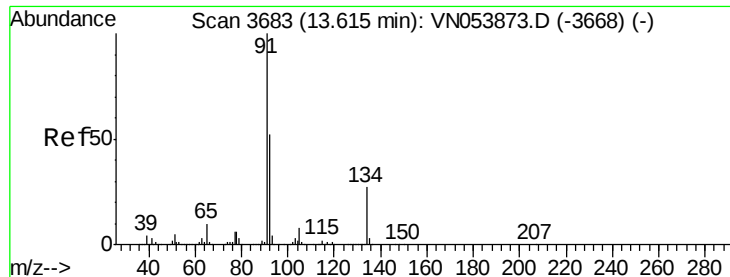
Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion:	146	Resp:	251880
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.0	54.0
148	64.8	32.1	96.5





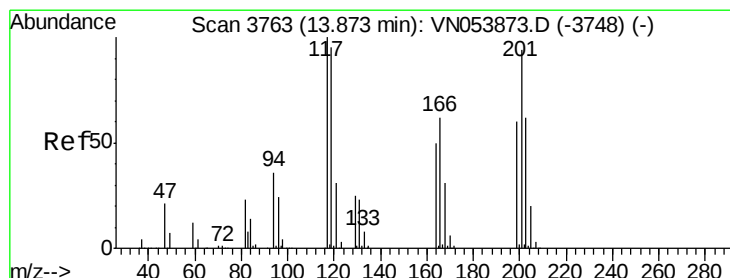
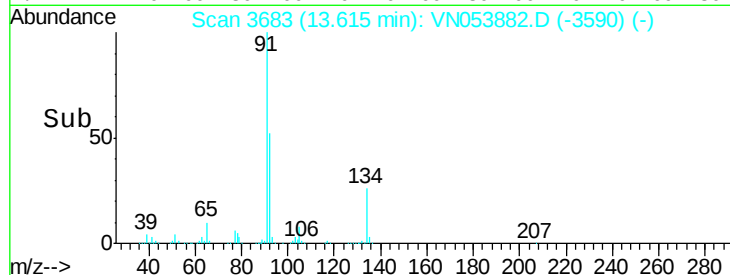
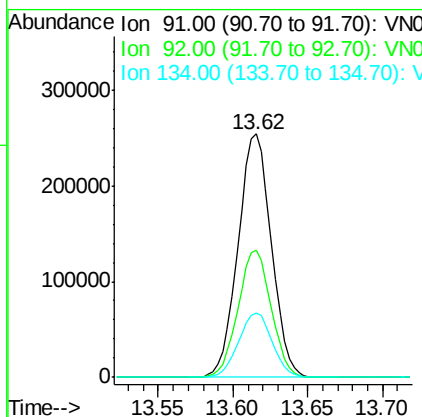
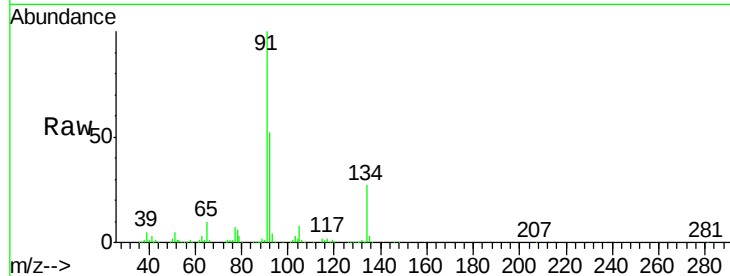
#89
n-Butylbenzene
Concen: 20.096 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	26.9	13.6	40.8

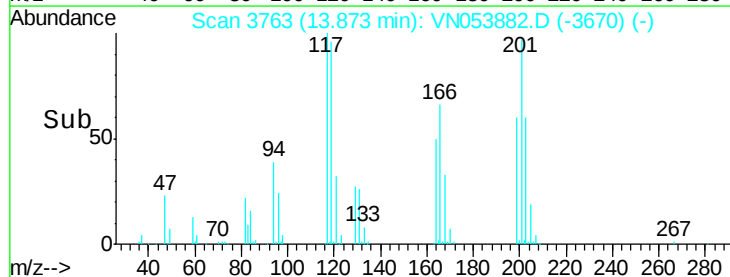
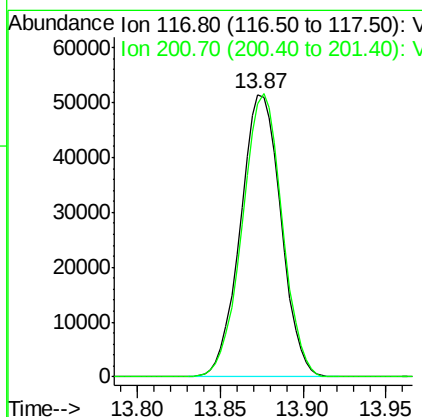
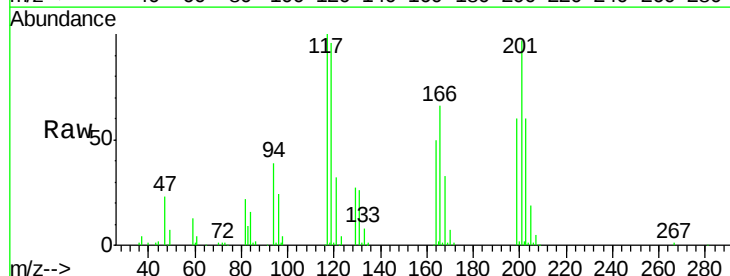
Manual Integrations
APPROVED

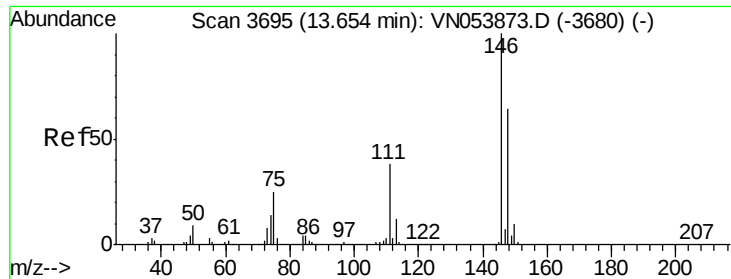
MMDadoda
2/22/2019 10:30:08 AM



#90
Hexachloroethane
Concen: 19.214 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN053882.D
Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.6	48.0	144.2





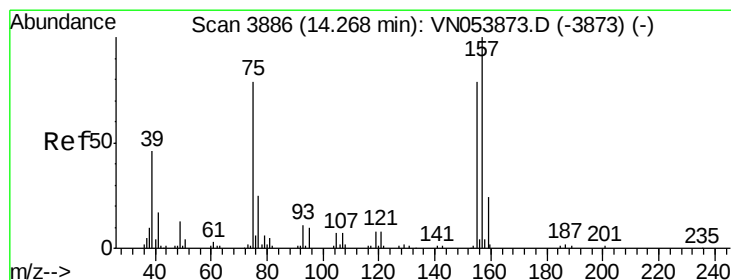
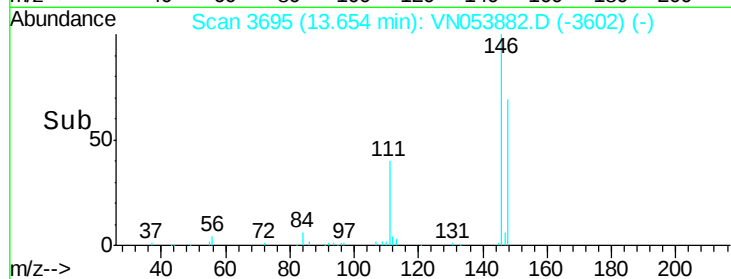
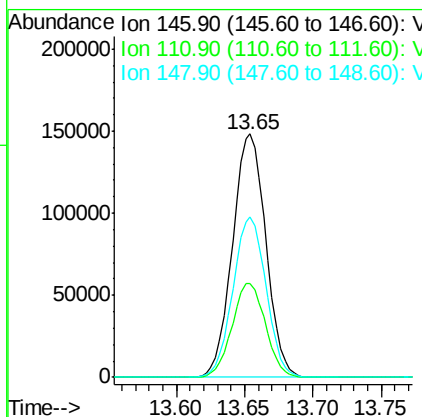
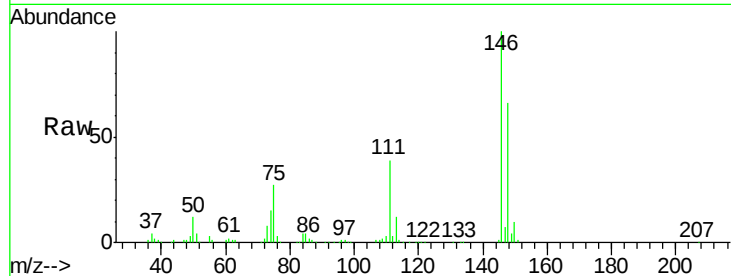
#91
 1,2-Dichlorobenzene
 Concen: 20.040 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	251667		
111	38.8	19.1	57.5	
148	65.4	32.1	96.5	

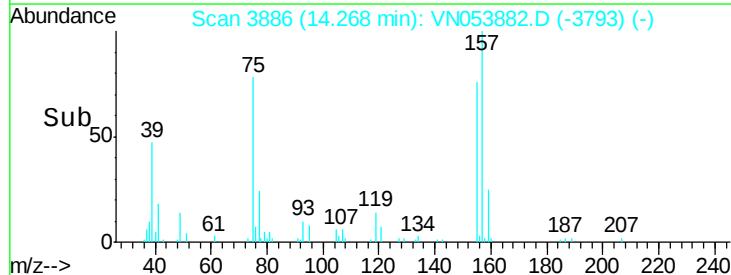
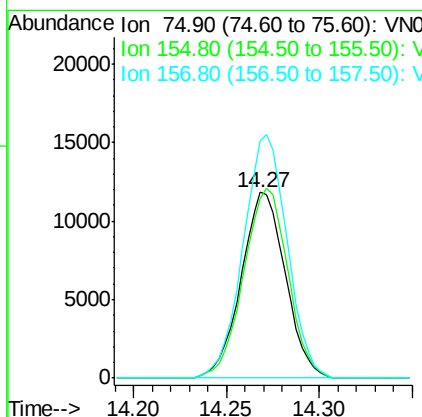
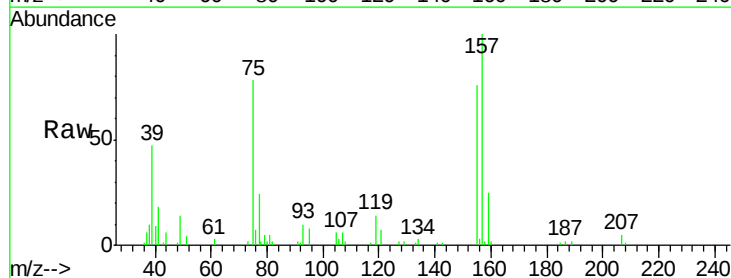
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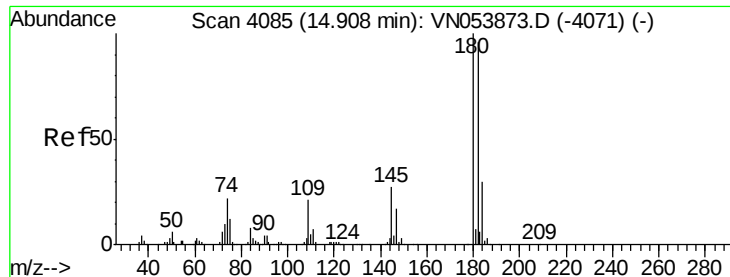
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 2/22/2019 10:30:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.705 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19533		
155	102.7	49.5	148.5	
157	130.3	64.8	194.6	





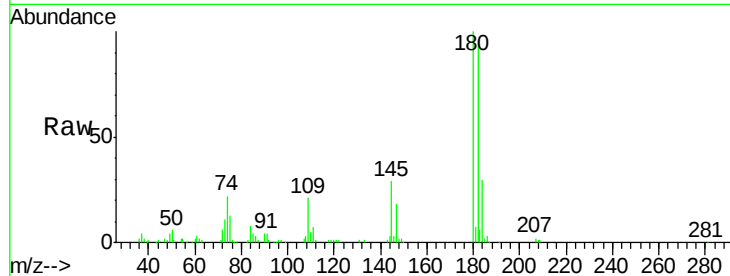
#93
 1,2,4-Trichlorobenzene
 Concen: 18.201 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBS01

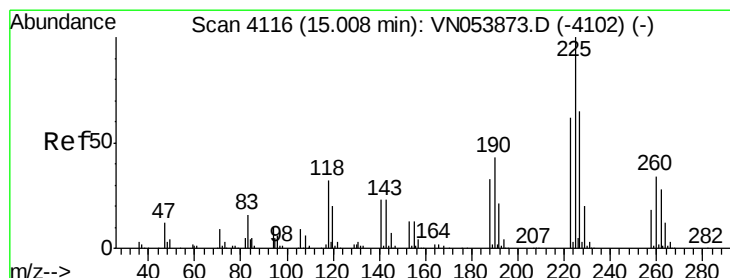
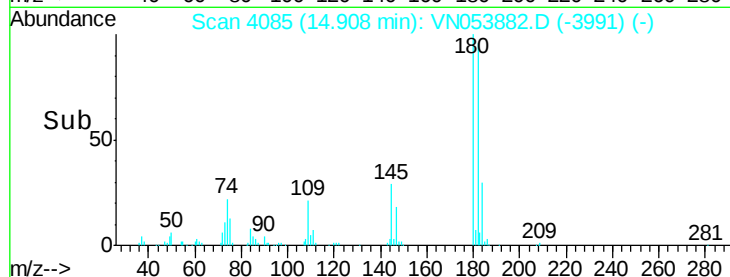
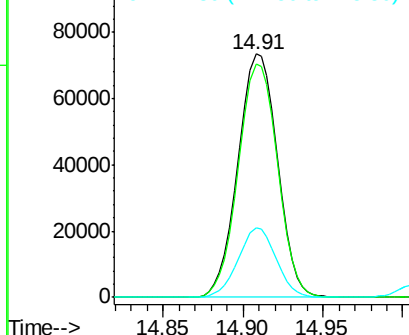
Tot Ion	Ratio	Resp	Lower	Upper
180	100	123432		
182	95.5	48.6	145.9	
145	27.4	13.8	41.3	

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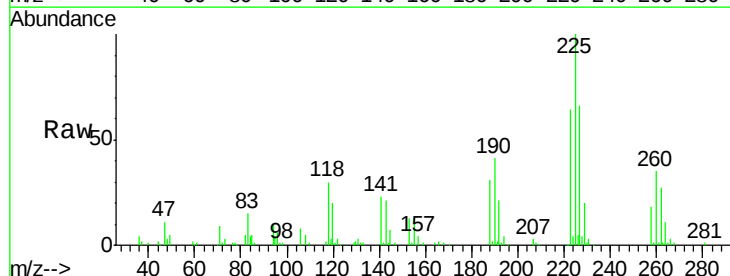


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

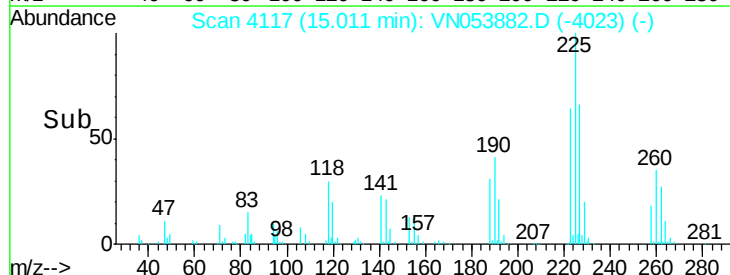
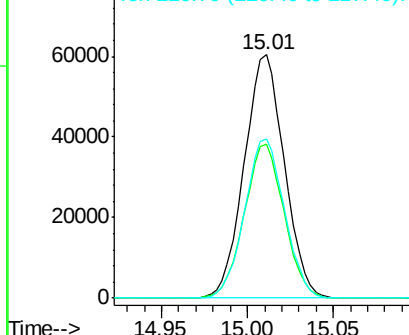


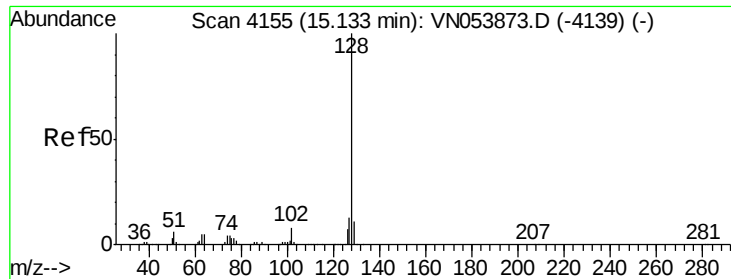
#94
 Hexachlorobutadiene
 Concen: 18.663 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053882.D
 Acq: 21 Feb 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97742		
223	62.9	30.9	92.5	
227	64.9	32.5	97.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.724 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Instrument :

MSVOA_N

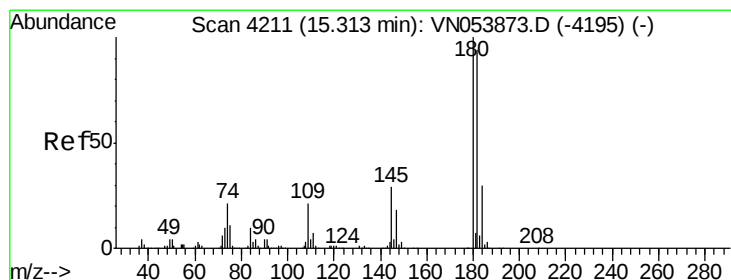
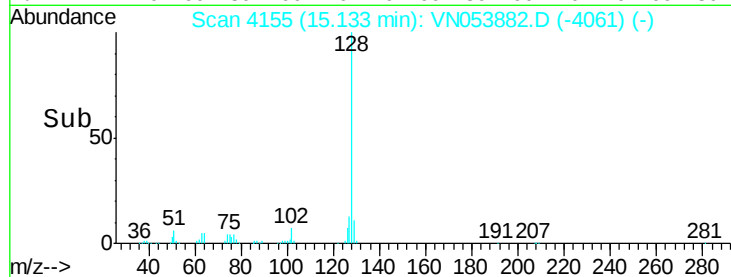
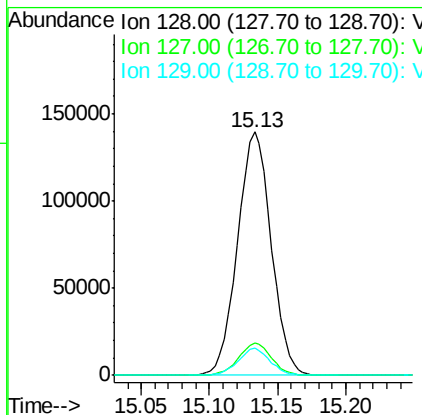
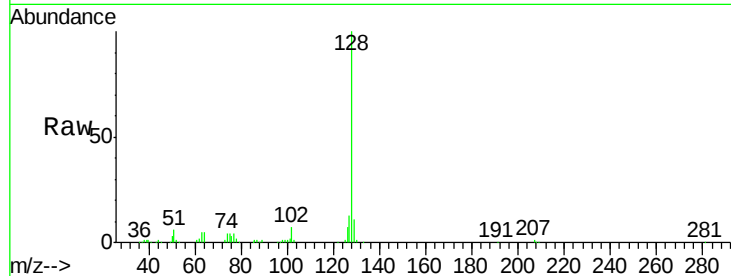
ClientSampleId :

VN0221WBS01

Tot Ion:	128	Resp:	239417
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.6	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 19.077 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053882.D

Acq: 21 Feb 2019 10:35

Tgt Ion:	180	Resp:	125634
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.3	141.8
145	29.0	14.4	43.0

