

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
 Data File : VN053059.D
 Acq On : 20 Dec 2018 16:21
 Operator : MD\SY
 Sample : VN1220MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Manual Integrations
 APPROVED

MMDadoda
 12/27/2018 12:38:37 PM

Quant Time: Dec 21 01:15:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1069490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1636791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1453187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	647460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	558166	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.59	113	439045	58.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.44%	
50) Toluene-d8	10.09	98	2039505	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	699371	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	206091	19.040	ug/l	100
3) Chloromethane	2.06	50	253374	19.317	ug/l	100
4) Vinyl Chloride	2.19	62	257252	19.366	ug/l	98
5) Bromomethane	2.58	94	168429	18.300	ug/l	99
6) Chloroethane	2.71	64	155967	19.824	ug/l	99
7) Trichlorofluoromethane	3.03	101	327119	19.767	ug/l	100
8) Diethyl Ether	3.41	74	130542	20.910	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	206843	19.604	ug/l	99
10) Methyl Iodide	3.96	142	297077	20.049	ug/l	99
11) Tert butyl alcohol	4.78	59	68742	103.804	ug/l	99
12) 1,1-Dichloroethene	3.74	96	201015	19.720	ug/l	96
13) Acrolein	3.61	56	63282	105.388	ug/l	98
14) Allyl chloride	4.33	41	325836	20.636	ug/l	95
15) Acrylonitrile	4.99	53	380379	103.392	ug/l	100
16) Acetone	3.81	43	236054	110.928	ug/l	95
17) Carbon Disulfide	4.06	76	558867	16.811	ug/l	99
18) Methyl Acetate	4.33	43	193117	20.590	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	578163	21.194	ug/l	98
20) Methylene Chloride	4.55	84	233811	20.142	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	213749	19.517	ug/l	99
22) Diisopropyl ether	5.95	45	710678	21.086	ug/l	97
23) Vinyl Acetate	5.90	43	2069783	106.798	ug/l	98
24) 1,1-Dichloroethane	5.85	63	405929	20.269	ug/l	99
25) 2-Butanone	6.84	43	395272	110.680	ug/l	98
26) 2,2-Dichloropropane	6.83	77	268745	17.579	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	251526	20.286	ug/l	98
28) Bromochloromethane	7.20	49	179800	20.718	ug/l	96
29) Tetrahydrofuran	7.21	42	285829	107.161	ug/l	98
30) Chloroform	7.37	83	398144	20.237	ug/l	100
31) Cyclohexane	7.66	56	378188	19.493	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	333355	19.890	ug/l	99
36) 1,1-Dichloropropene	7.80	75	305287	19.432	ug/l	100
37) Ethyl Acetate	6.93	43	188760	21.523	ug/l	99
38) Carbon Tetrachloride	7.78	117	275096	19.104	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	355283	18.616	ug/l	97
40) Benzene	8.04	78	944745	20.217	ug/l	100
41) Methacrylonitrile	7.17	41	109728	21.654	ug/l	96
42) 1,2-Dichloroethane	8.12	62	280562	20.323	ug/l	98
43) Isopropyl Acetate	8.16	43	354644	20.275	ug/l	100
44) Trichloroethene	8.84	130	263263	19.478	ug/l	94
45) 1,2-Dichloropropane	9.12	63	251712	20.680	ug/l	99
46) Dibromomethane	9.21	93	143007	20.168	ug/l	98
47) Bromodichloromethane	9.40	83	299264	19.855	ug/l	99
48) Methyl methacrylate	9.20	41	173440	20.380	ug/l	98
49) 1,4-Dioxane	9.20	88	40918	380.091	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	929770	109.470	ug/l	100
52) Toluene	10.16	92	579627	20.012	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	296936	18.735	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	354318	19.476	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	208688	20.652	ug/l	99
56) Ethyl methacrylate	10.43	69	278524	20.825	ug/l	97
57) 1,3-Dichloropropane	10.71	76	356350	20.565	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	764251	104.083	ug/l	98
59) 2-Hexanone	10.75	43	621660	108.182	ug/l	99
60) Dibromochloromethane	10.90	129	222201	19.210	ug/l	100
61) 1,2-Dibromoethane	11.01	107	207093	20.179	ug/l	99
64) Tetrachloroethene	10.63	164	294765	18.726	ug/l	99
65) Chlorobenzene	11.43	112	644576	20.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	222214	19.837	ug/l	100
67) Ethyl Benzene	11.51	91	1095402	19.773	ug/l	100
68) m/p-Xylenes	11.62	106	831909	39.502	ug/l	99
69) o-Xylene	11.95	106	407694	20.174	ug/l	100
70) Styrene	11.96	104	661394	20.071	ug/l	100
71) Bromoform	12.13	173	148523	18.353	ug/l #	99
73) Isopropylbenzene	12.25	105	1076778	21.256	ug/l	100
74) N-amyl acetate	12.07	43	306067	21.762	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	231511	23.295	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	208399m	19.120	ug/l	
77) Bromobenzene	12.53	156	275849	20.948	ug/l	98
78) n-propylbenzene	12.59	91	1192113	20.662	ug/l	100
79) 2-Chlorotoluene	12.67	91	715339	20.003	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	849523	20.574	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63413	18.752	ug/l	97
82) 4-Chlorotoluene	12.77	91	720284	20.575	ug/l	100
83) tert-Butylbenzene	12.99	119	747397	20.467	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	860483	20.730	ug/l	100
85) sec-Butylbenzene	13.17	105	976598	19.772	ug/l	100
86) p-Isopropyltoluene	13.29	119	831245	19.476	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	462022	19.824	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	450853	19.102	ug/l	99
89) n-Butylbenzene	13.62	91	643664	17.530	ug/l	100
90) Hexachloroethane	13.88	117	121125	18.493	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	437955	19.966	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33070	19.245	ug/l	98

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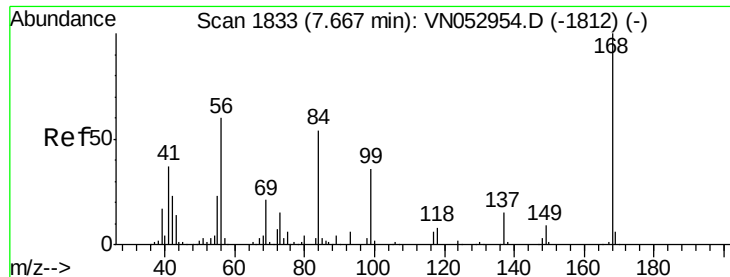
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	204320	17.968	ug/l	100
94) Hexachlorobutadiene	15.01	225	122741	18.595	ug/l	99
95) Naphthalene	15.13	128	444177	18.195	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	185065	18.013	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:168 Resp: 1069490

Ion Ratio Lower Upper

168 100

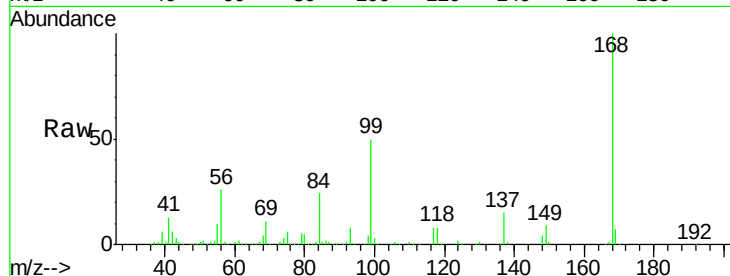
99 49.7 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

300000

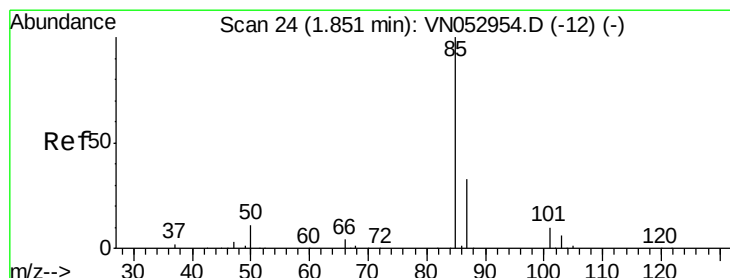
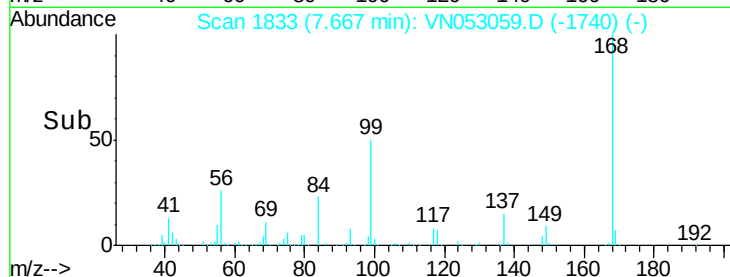
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.040 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053059.D

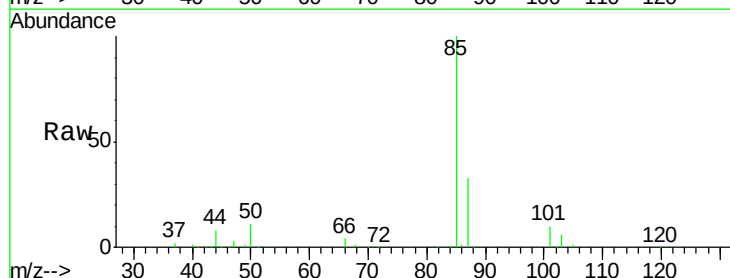
Acq: 20 Dec 2018 16:21

Tgt Ion: 85 Resp: 206091

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

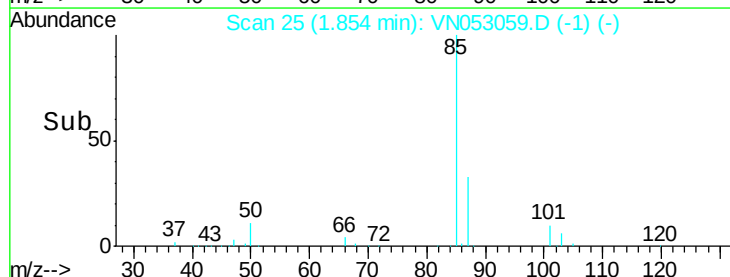
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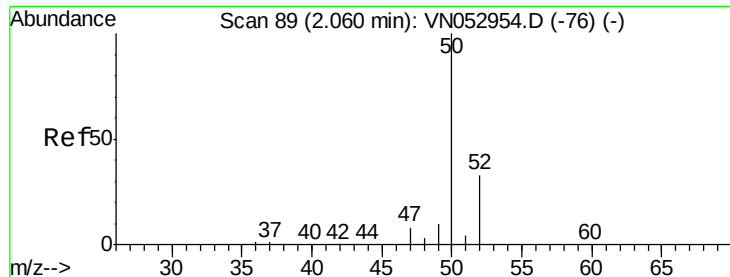
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.317 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 50 Resp: 253374

Ion Ratio Lower Upper

50 100

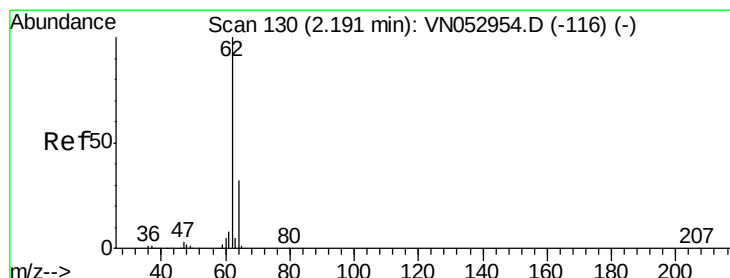
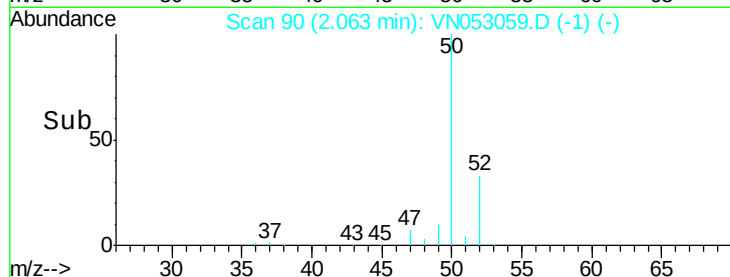
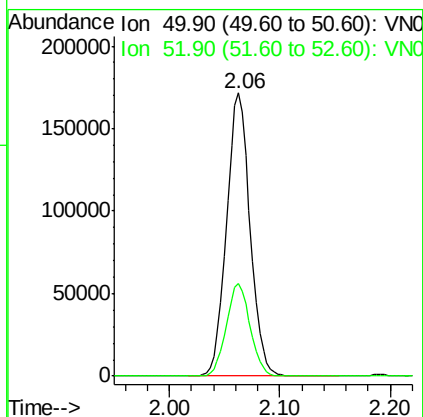
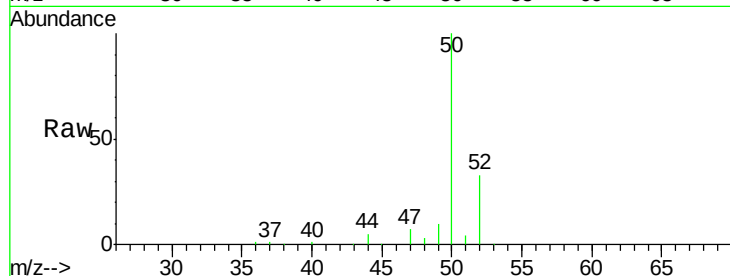
52 32.5 26.2 39.4

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#4

Vinyl Chloride

Concen: 19.366 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053059.D

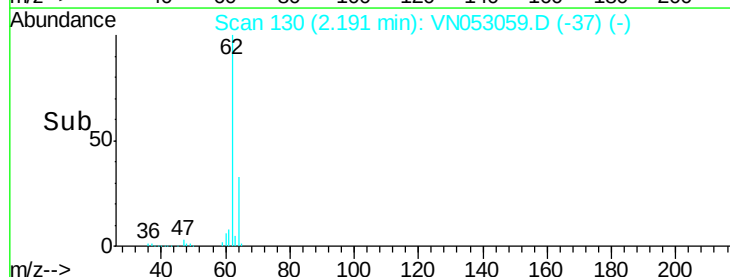
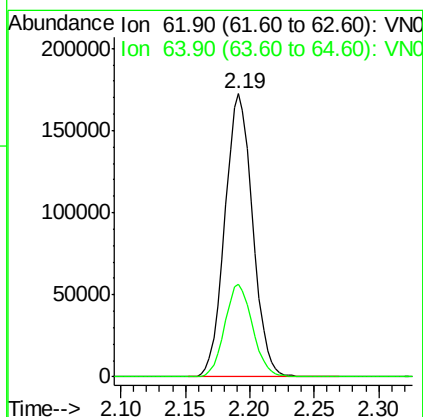
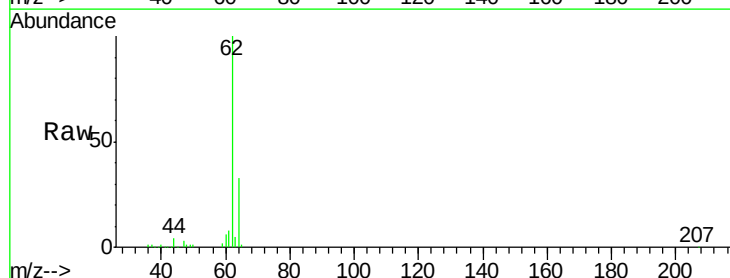
Acq: 20 Dec 2018 16:21

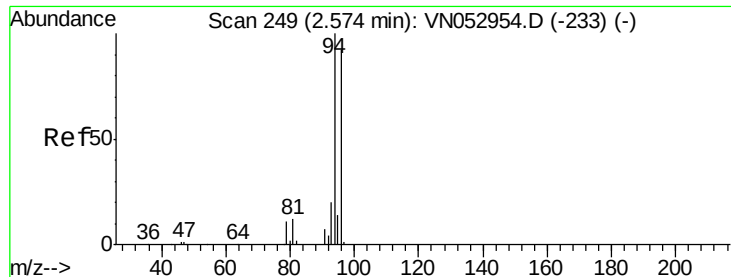
Tgt Ion: 62 Resp: 257252

Ion Ratio Lower Upper

62 100

64 32.9 25.5 38.3





#5

Bromomethane

Concen: 18.300 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

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VN1220MBS02

Tgt Ion: 94 Resp: 168429

Ion Ratio Lower Upper

94 100

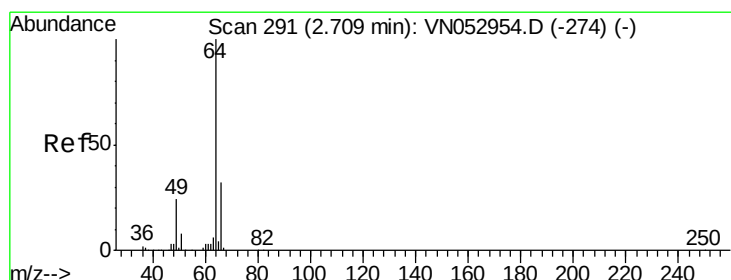
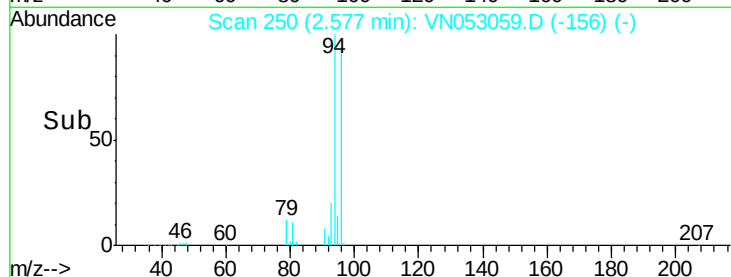
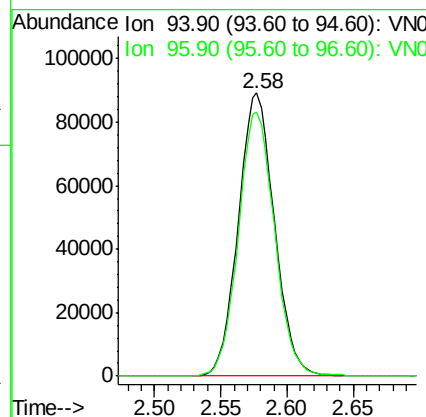
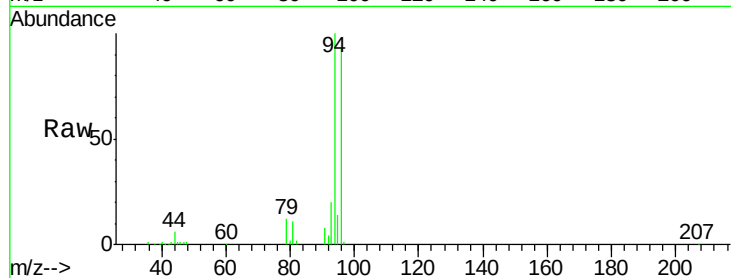
96 93.0 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 19.824 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053059.D

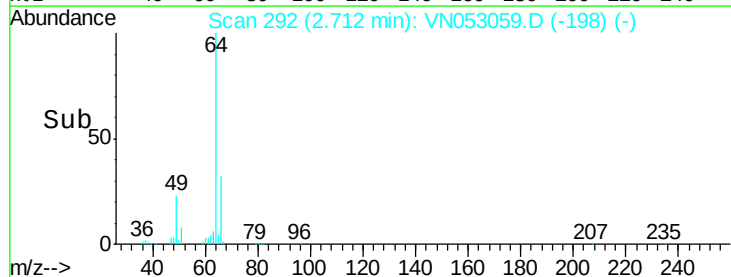
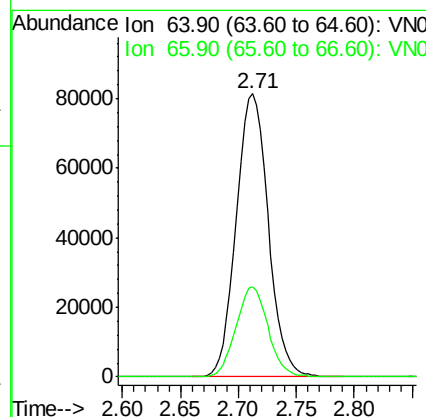
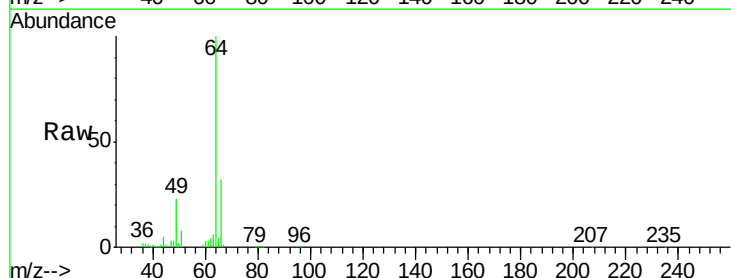
Acq: 20 Dec 2018 16:21

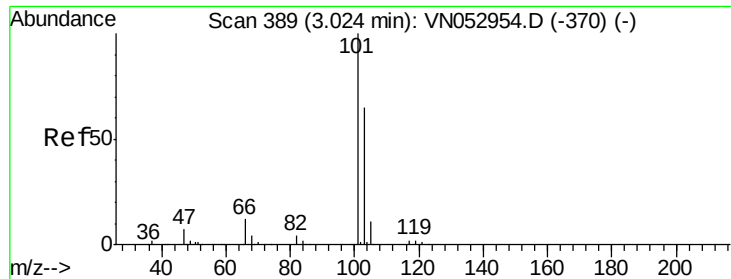
Tgt Ion: 64 Resp: 155967

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.2





#7

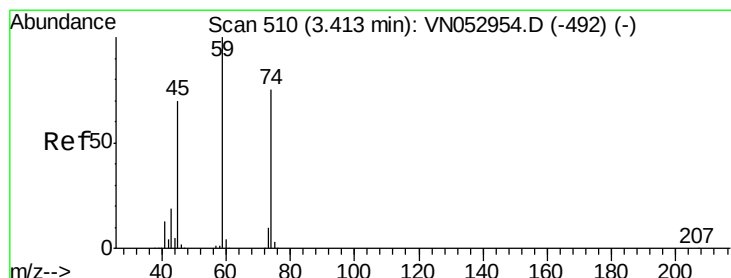
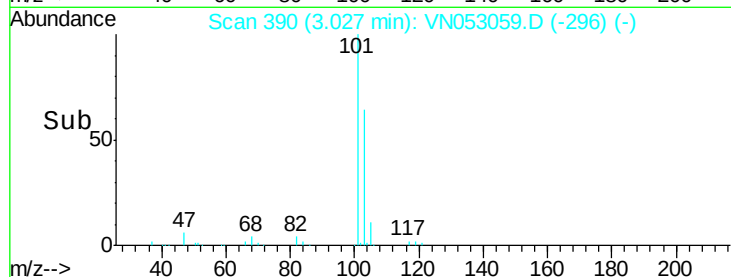
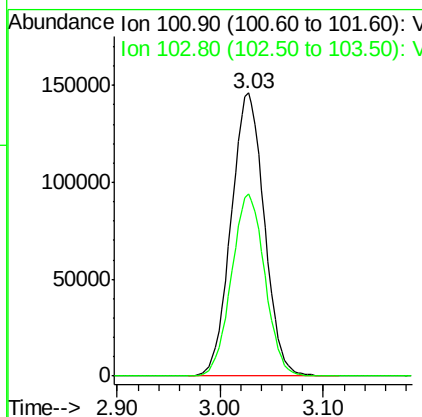
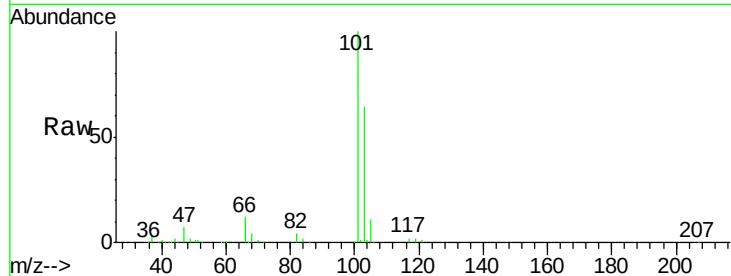
Trichlorofluoromethane
 Concen: 19.767 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.8	77.6

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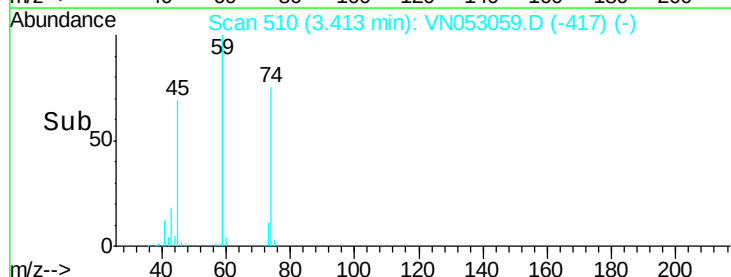
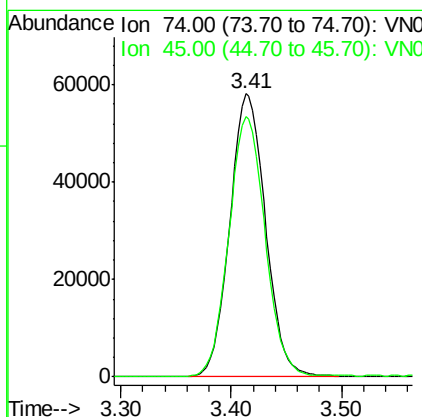
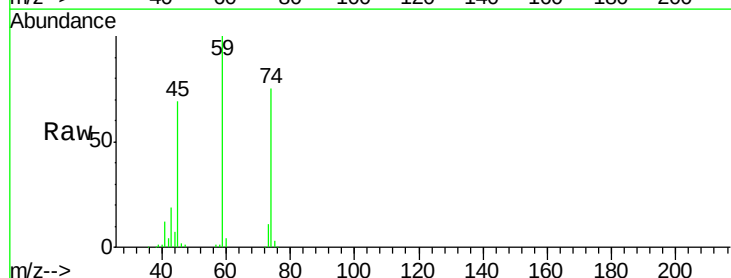
MMDadoda
 12/27/2018 12:38:37 PM

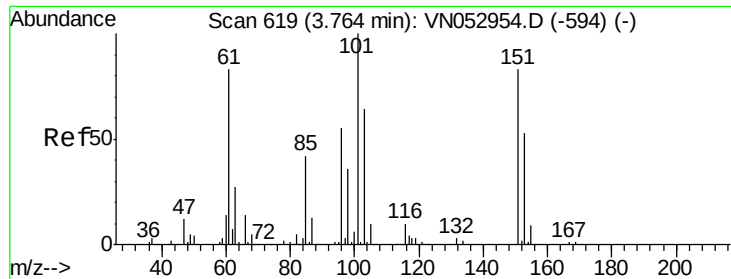


#8

Diethyl Ether
 Concen: 20.910 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.0	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.604 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

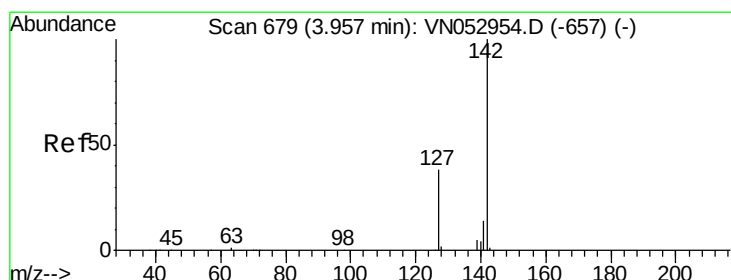
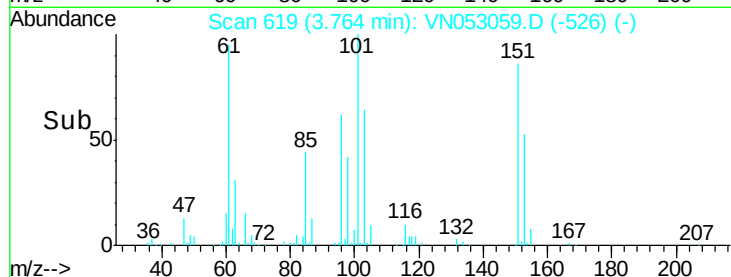
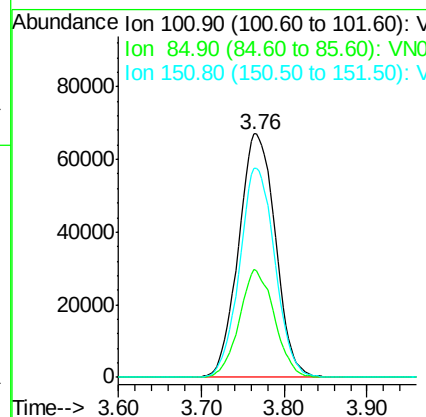
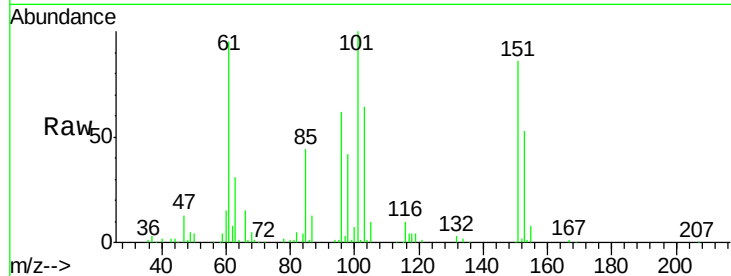
ClientSampleId :

VN1220MBS02

Tgt Ion:	101	Resp:	206843
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.6	50.4
151	82.8	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.049 ug/l

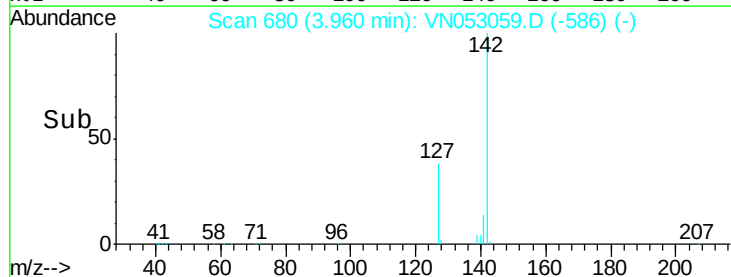
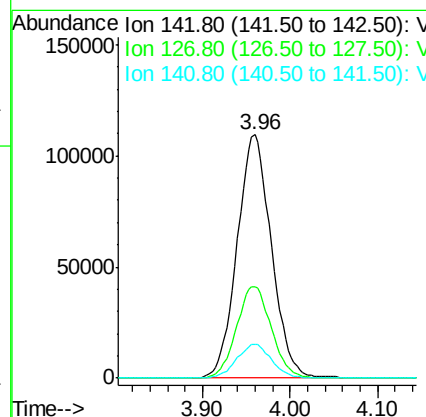
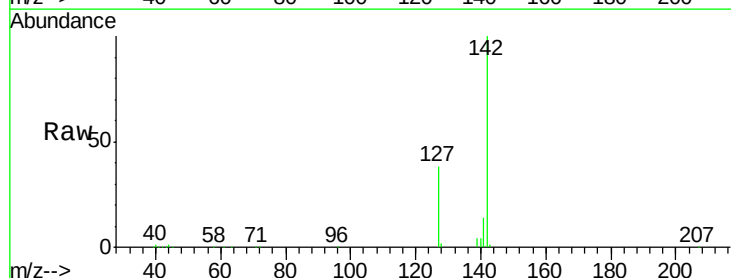
RT: 3.96 min Scan# 680

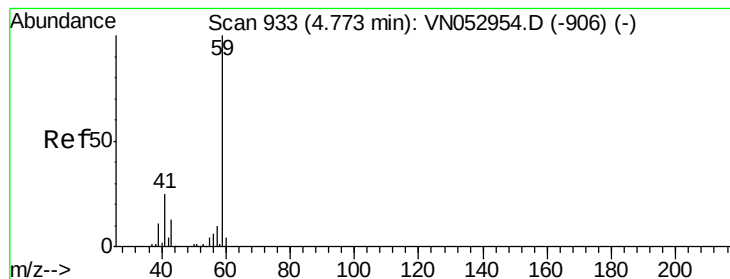
Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion:	142	Resp:	297077
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.6
141	14.1	11.2	16.8





#11

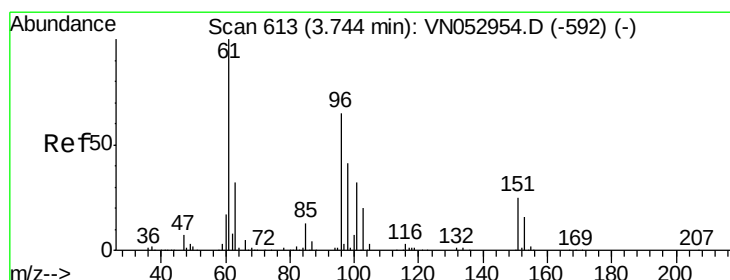
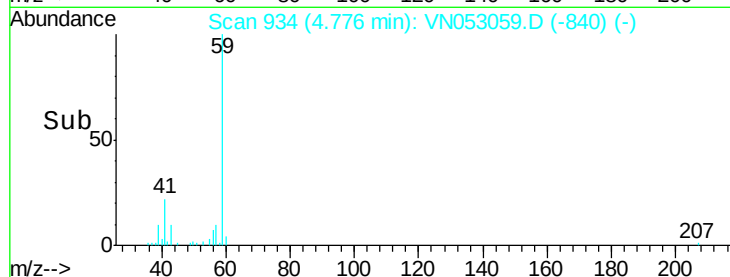
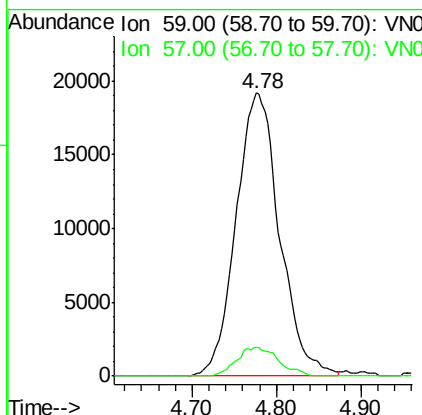
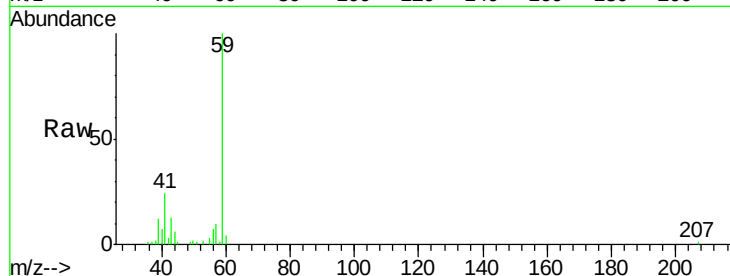
Tert butyl alcohol
 Concen: 103.804 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.7	11.5

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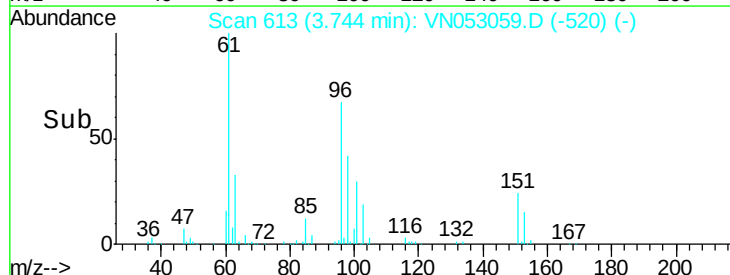
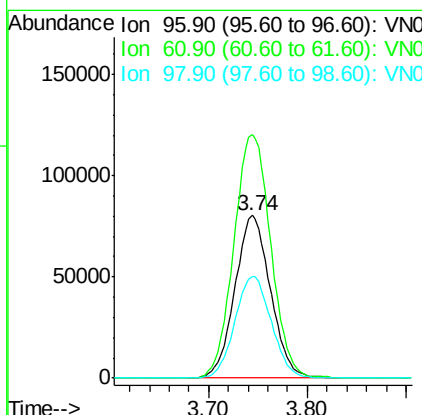
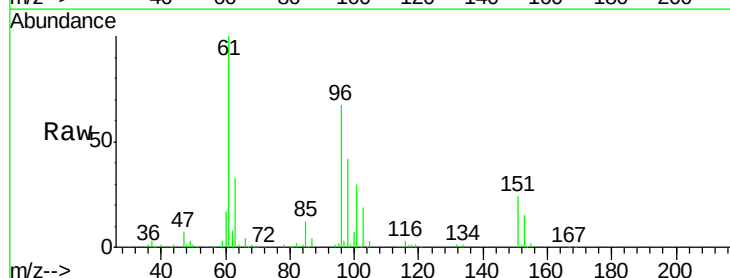
MMDadoda
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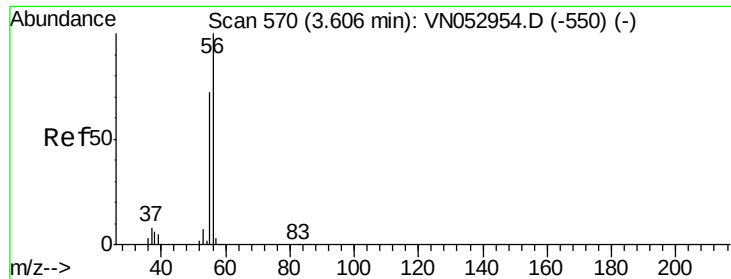


#12

1,1-Dichloroethene
 Concen: 19.720 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.7	125.6	188.4
98	62.5	50.6	75.8





#13

Acrolein

Concen: 105.388 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 56 Resp: 63282

Ion Ratio Lower Upper

56 100

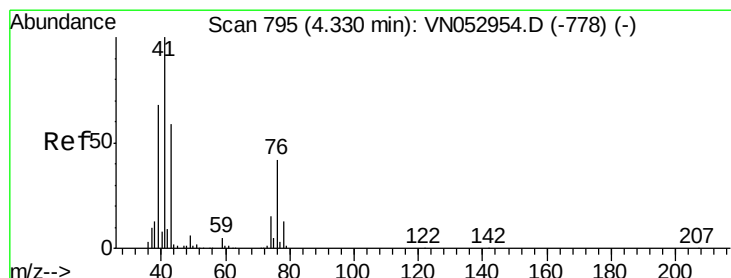
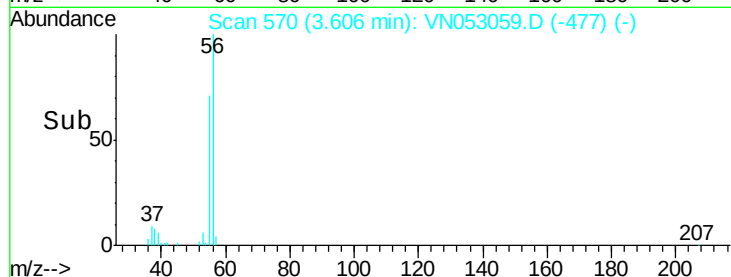
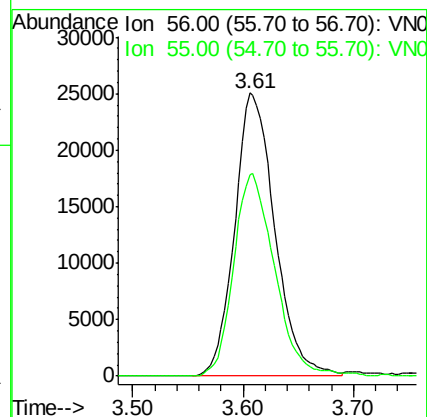
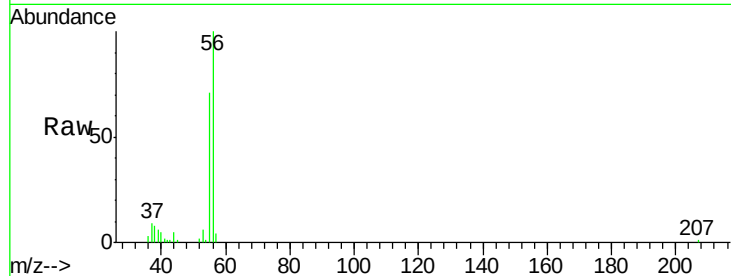
55 72.5 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.636 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

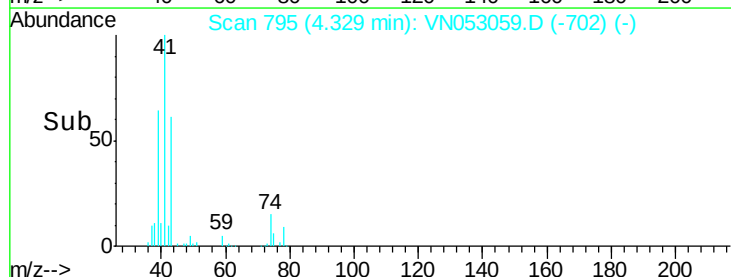
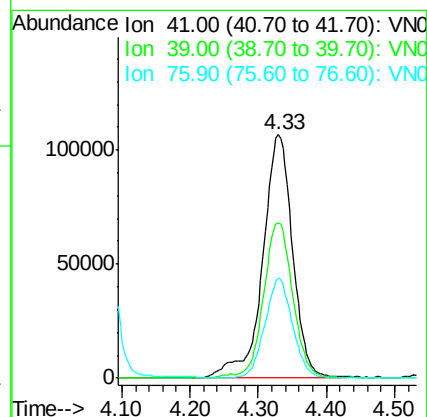
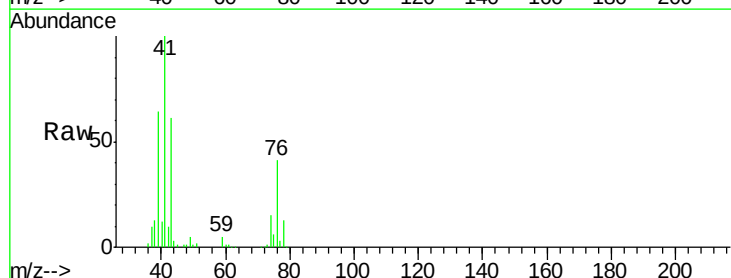
Tgt Ion: 41 Resp: 325836

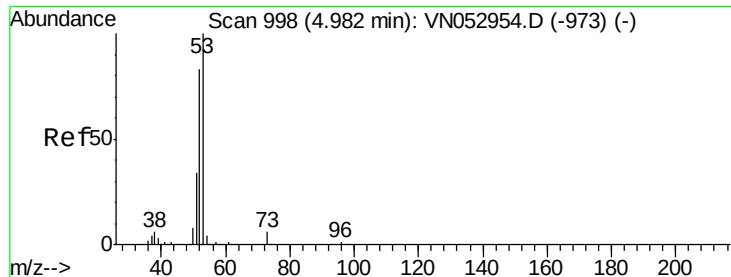
Ion Ratio Lower Upper

41 100

39 62.4 54.1 81.1

76 37.2 30.3 45.5





#15

Acrylonitrile

Concen: 103.392 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

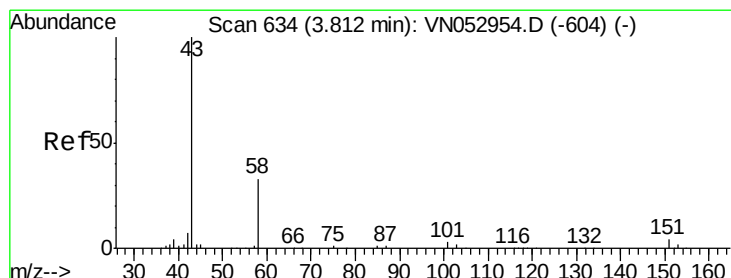
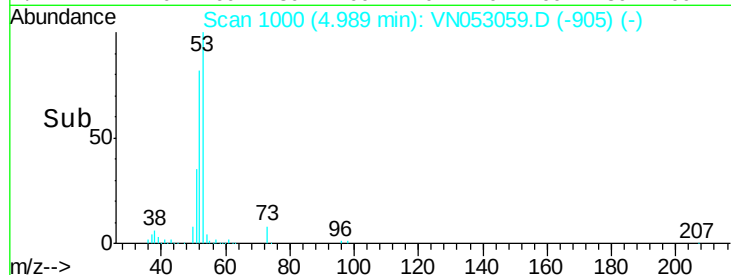
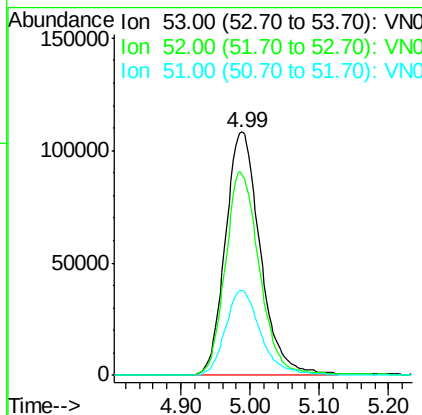
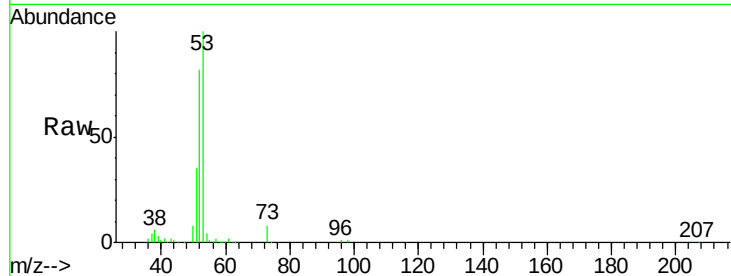
ClientSampleId :

VN1220MBS02

Tgt Ion:	53	Resp:	380379
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.1	97.7
51	35.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 110.928 ug/l

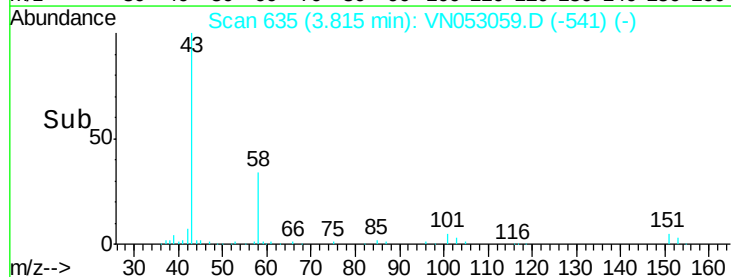
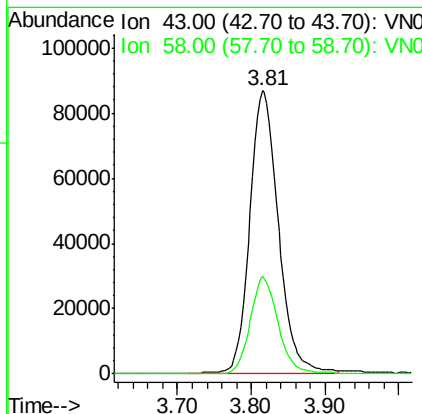
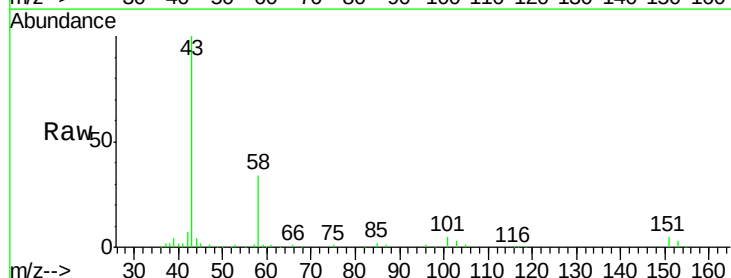
RT: 3.81 min Scan# 635

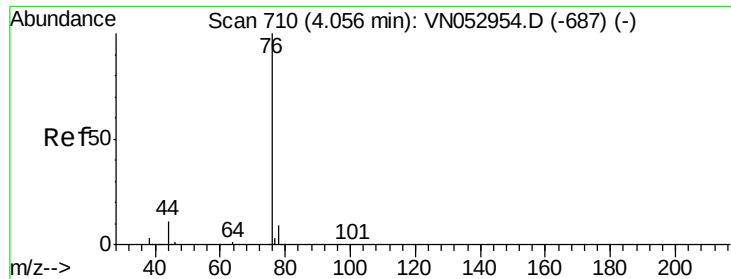
Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion:	43	Resp:	236054
Ion	Ratio	Lower	Upper
43	100		
58	34.3	25.4	38.0





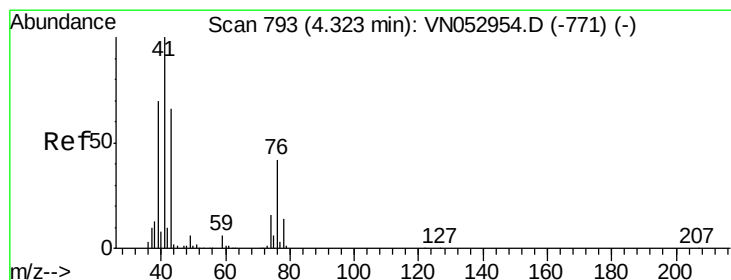
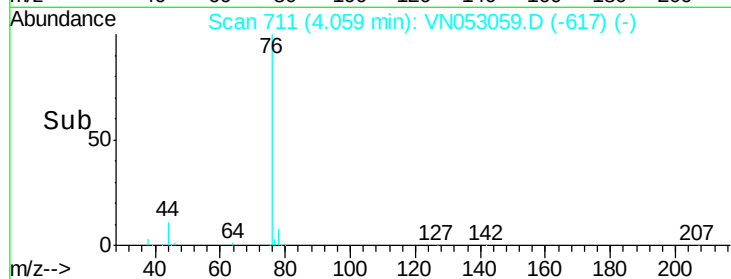
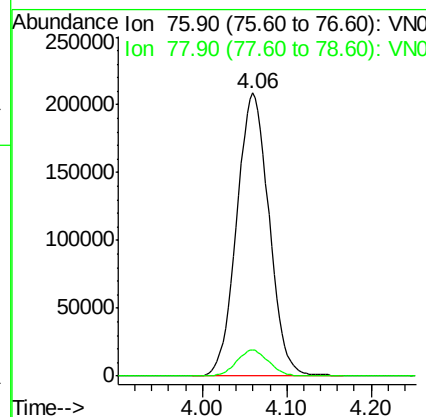
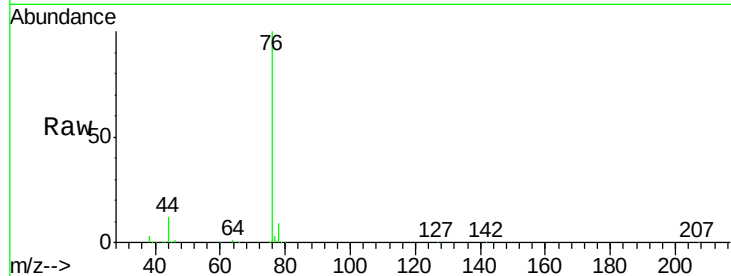
#17
Carbon Disulfide
Concen: 16.811 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

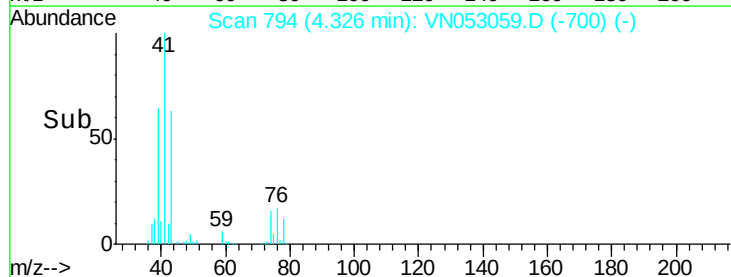
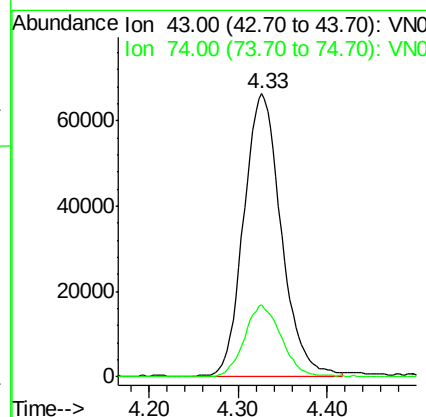
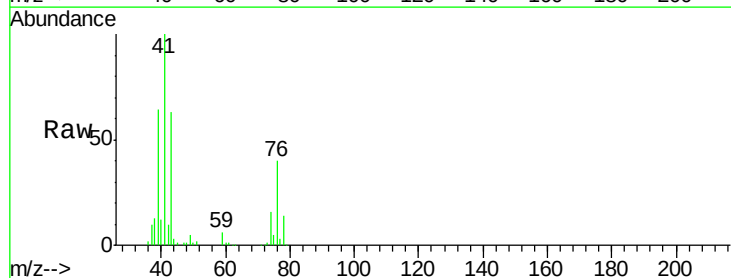
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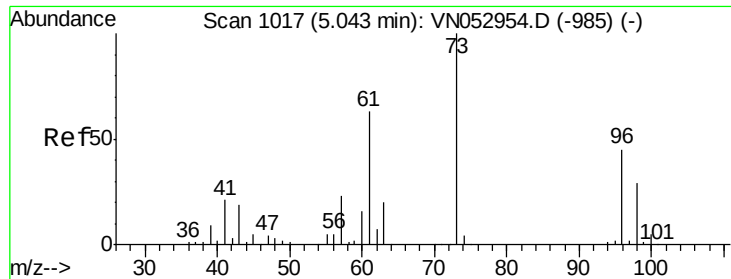
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#18
Methyl Acetate
Concen: 20.590 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.2	28.8





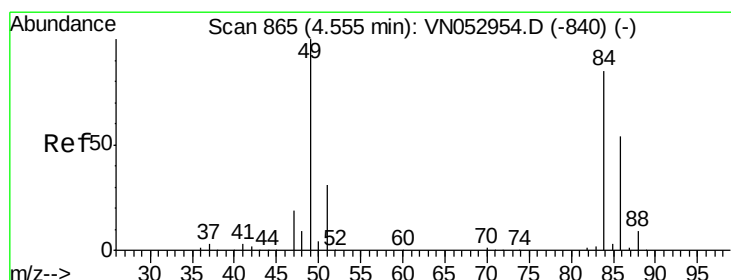
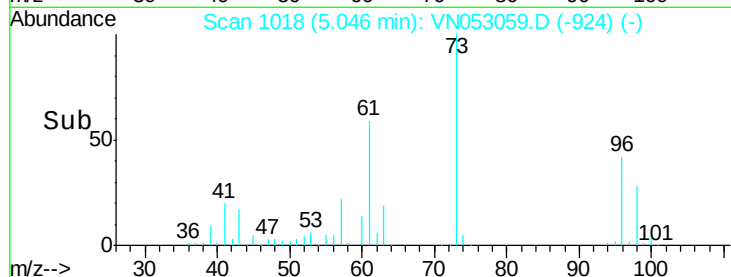
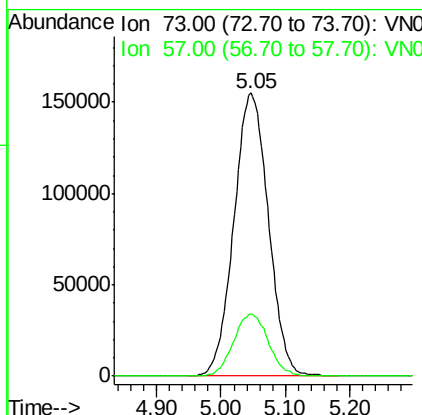
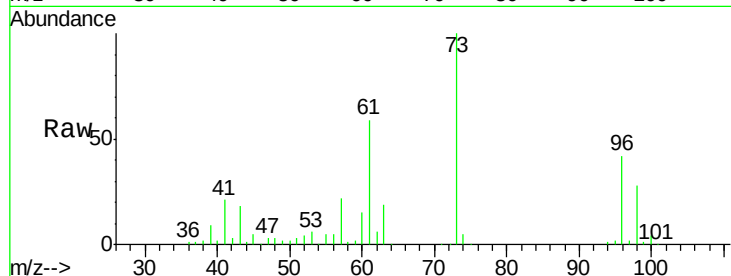
#19
Methyl tert-butyl Ether
Concen: 21.194 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion: 73 Resp: 578163
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6

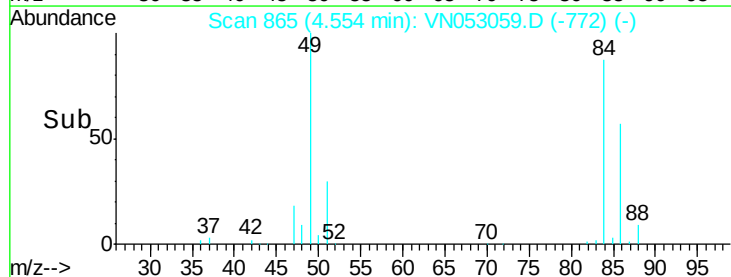
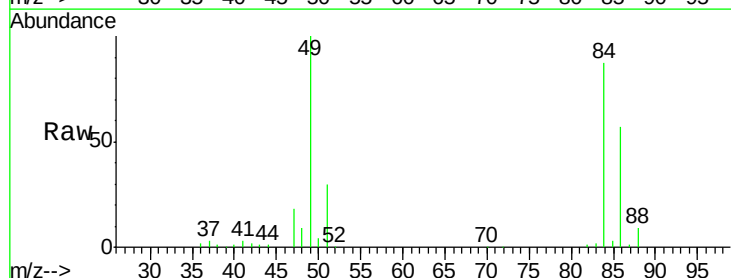
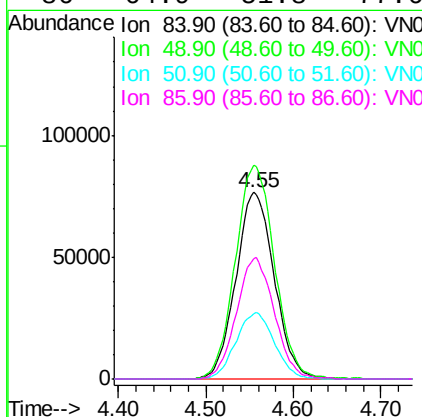
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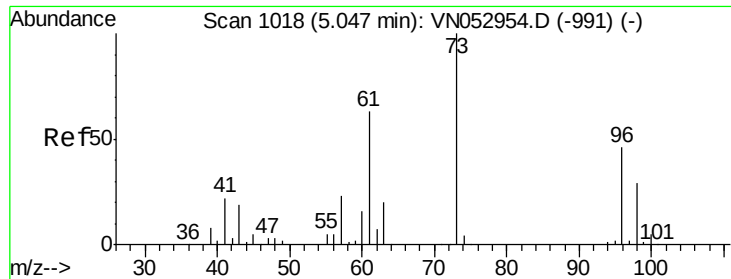
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#20
Methylene Chloride
Concen: 20.142 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion: 84 Resp: 233811
Ion Ratio Lower Upper
84 100
49 114.6 96.8 145.2
51 34.9 29.9 44.9
86 64.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.517 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 96 Resp: 213749

Ion Ratio Lower Upper

96 100

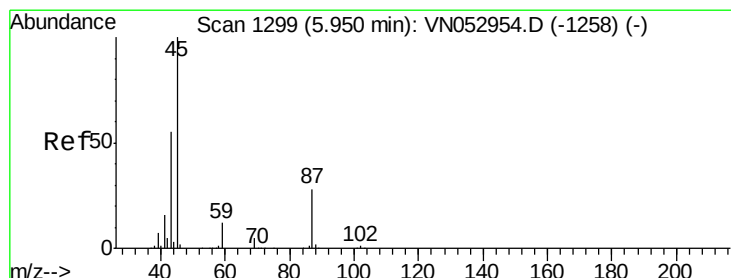
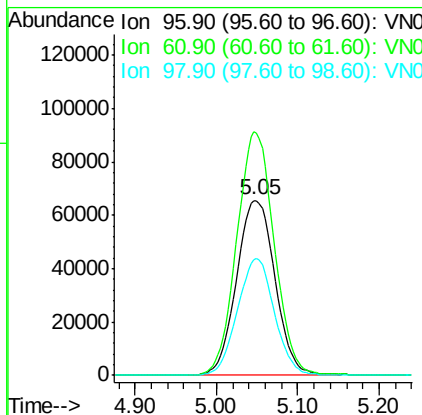
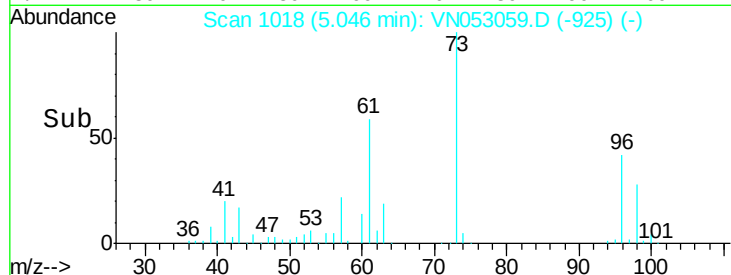
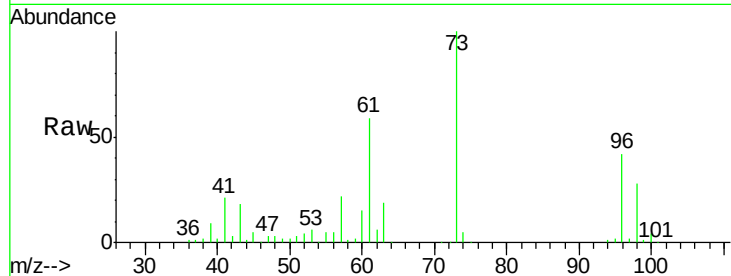
61 139.2 110.8 166.2

98 66.3 51.4 77.2

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#22

Diisopropyl ether

Concen: 21.086 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion: 45 Resp: 710678

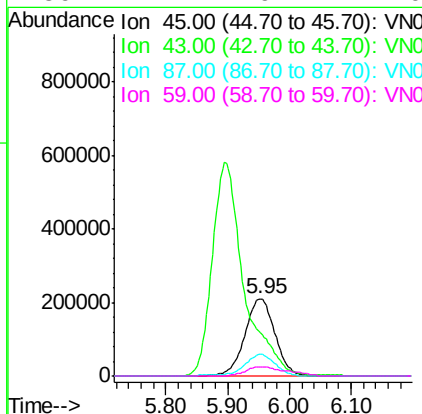
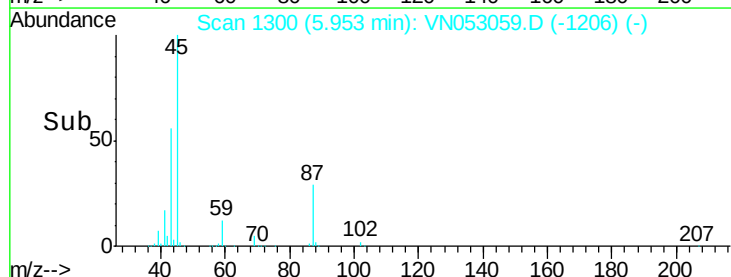
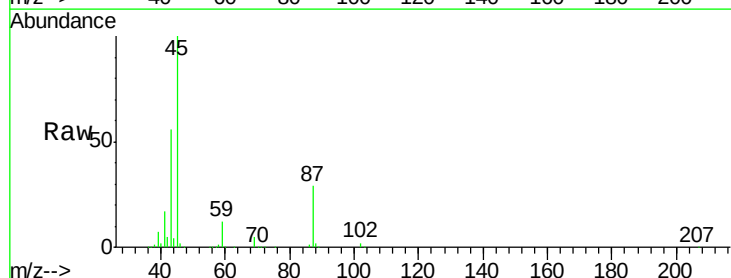
Ion Ratio Lower Upper

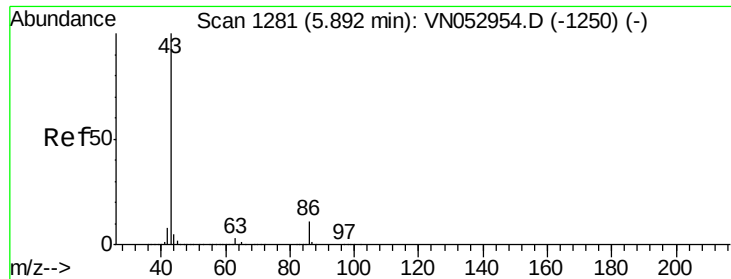
45 100

43 54.8 45.5 68.3

87 28.8 22.0 33.0

59 12.2 9.4 14.0





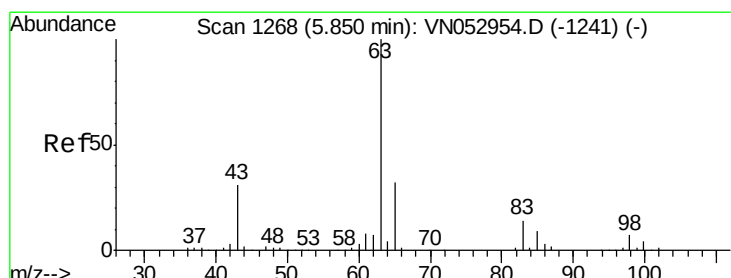
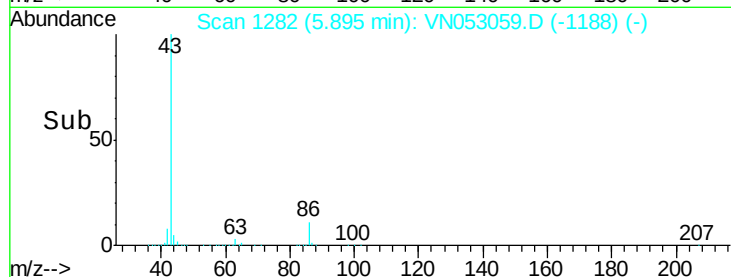
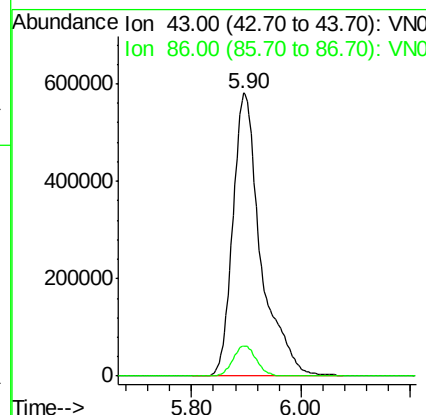
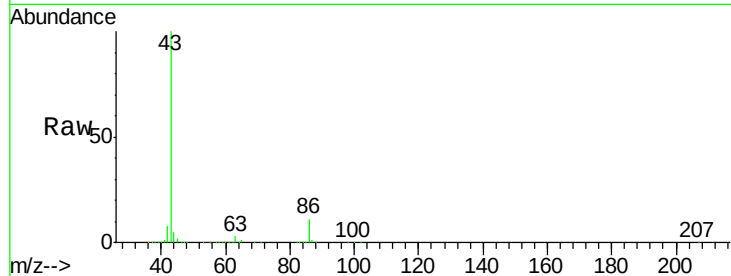
#23
 Vinyl Acetate
 Concen: 106.798 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion: 43 Resp: 2069783
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.1 12.1

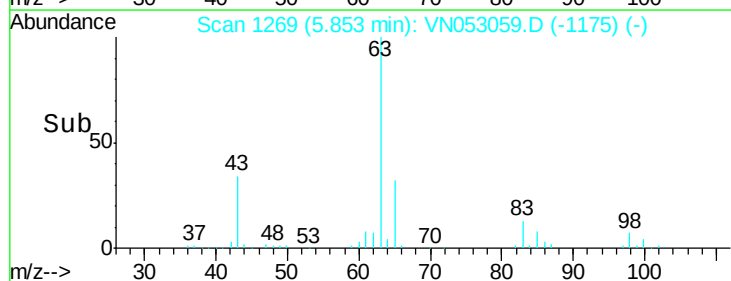
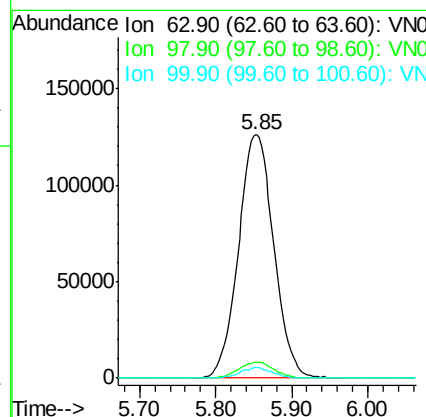
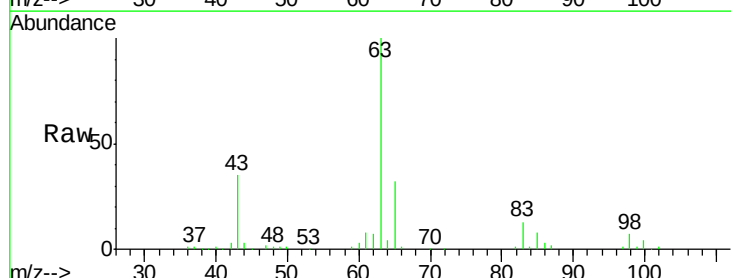
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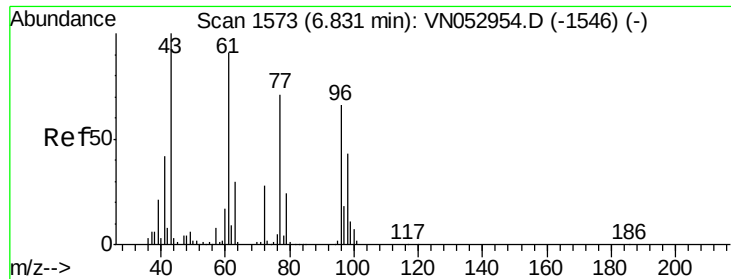
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#24
 1,1-Dichloroethane
 Concen: 20.269 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion: 63 Resp: 405929
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.1 9.4
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 110.680 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 43 Resp: 395272

Ion Ratio Lower Upper

43 100

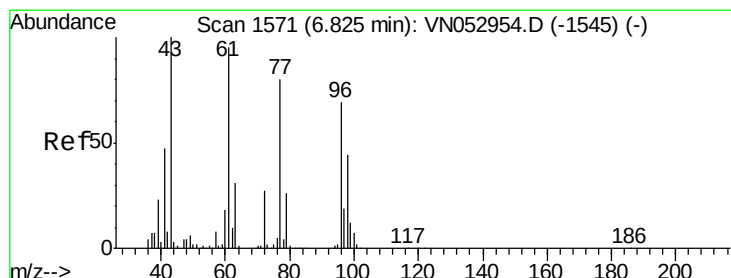
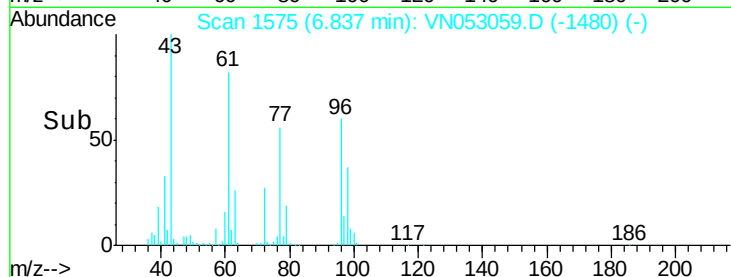
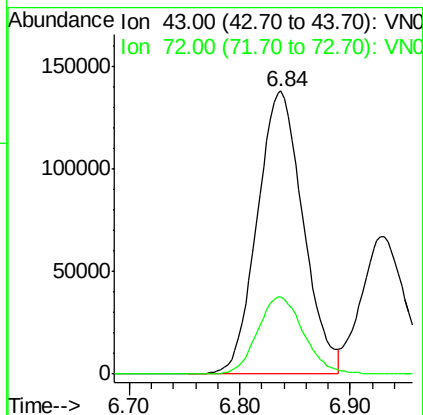
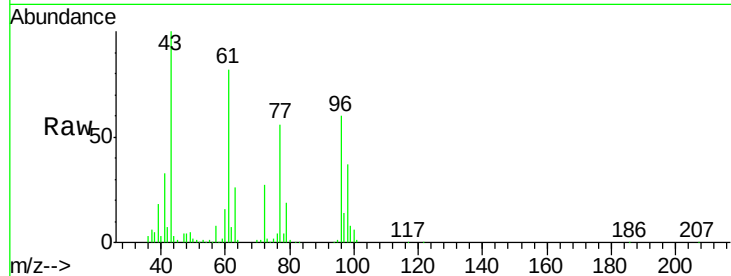
72 27.4 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.579 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053059.D

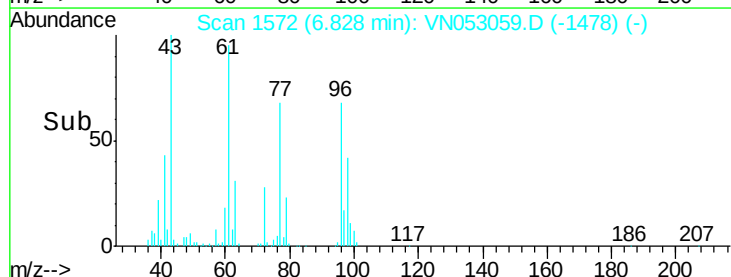
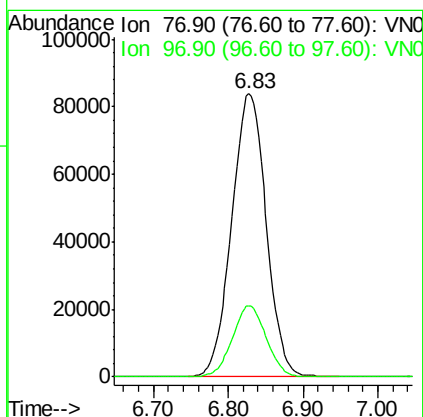
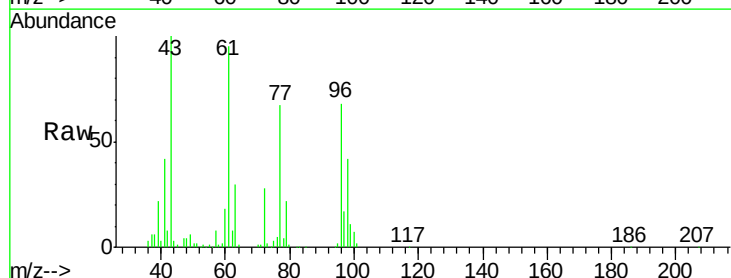
Acq: 20 Dec 2018 16:21

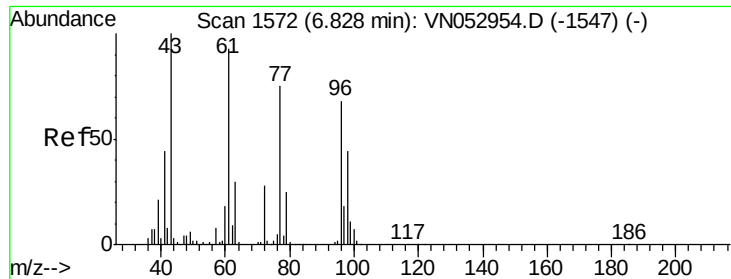
Tgt Ion: 77 Resp: 268745

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.286 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

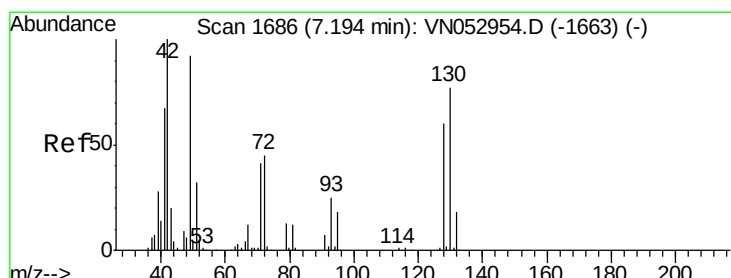
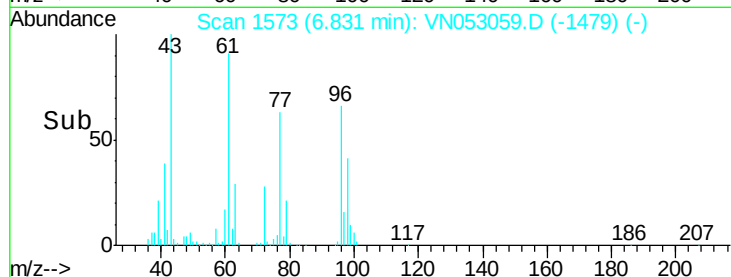
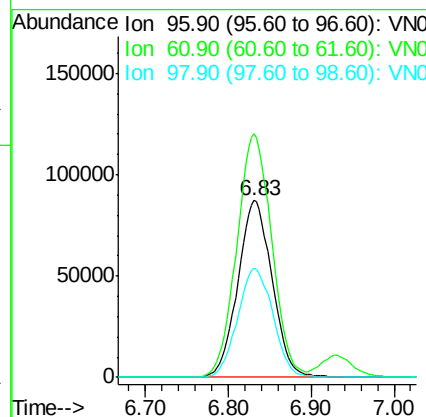
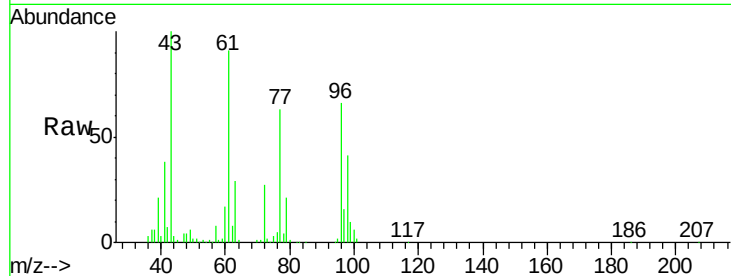
ClientSampleId :

VN1220MBS02

Tgt Ion:	96	Resp:	251526
Ion Ratio	Lower	Upper	
96	100		
61	139.8	0.0	284.2
98	63.5	0.0	129.2

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#28

Bromochloromethane

Concen: 20.718 ug/l

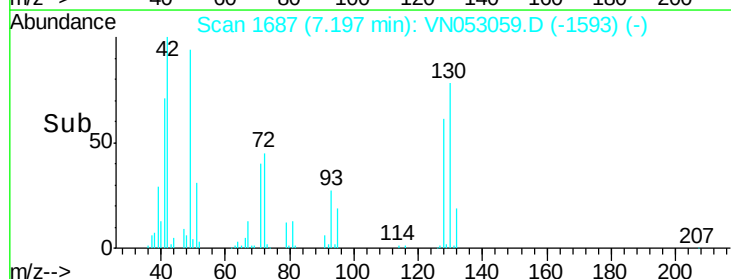
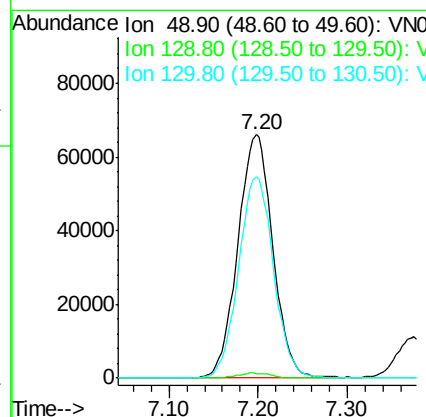
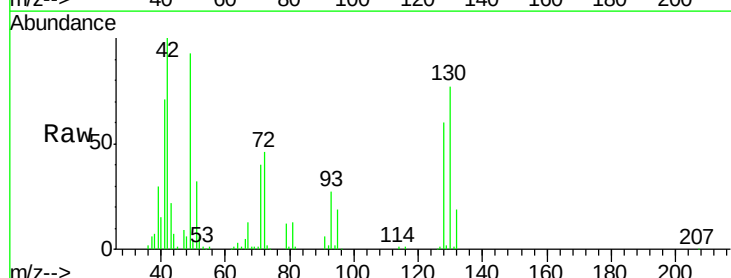
RT: 7.20 min Scan# 1687

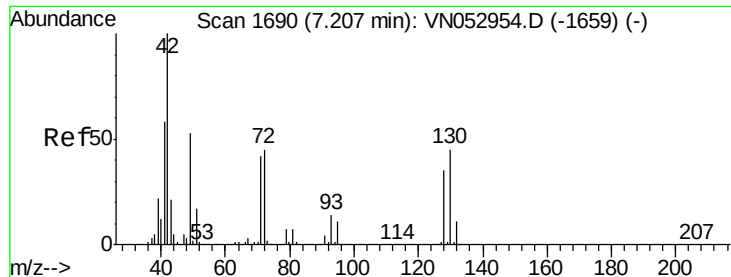
Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion:	49	Resp:	179800
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	82.9	63.3	94.9





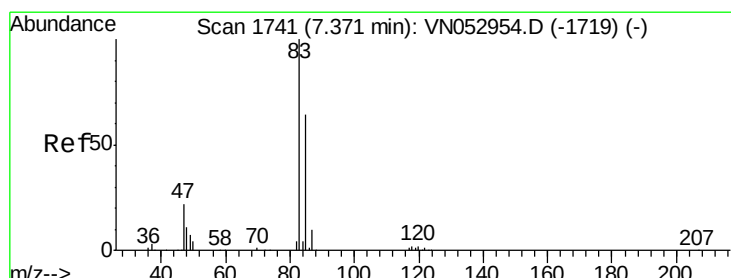
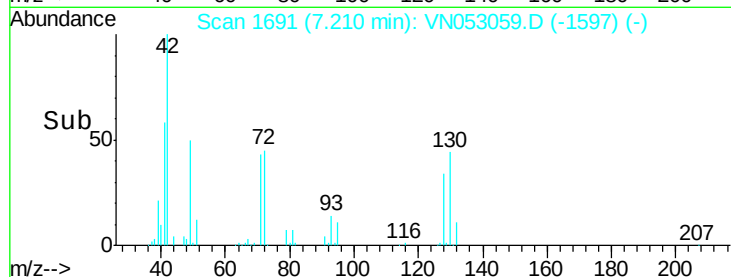
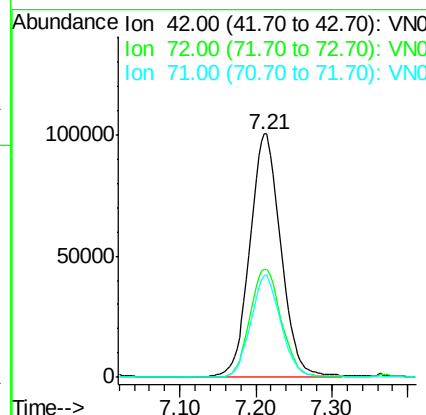
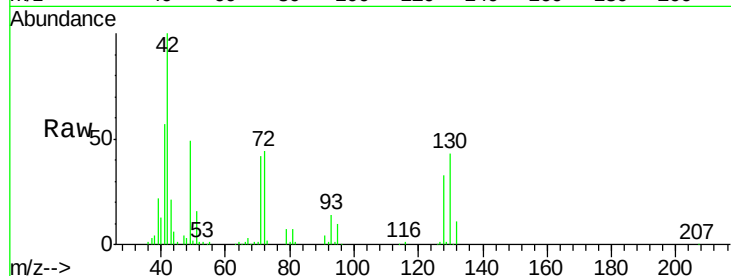
#29
Tetrahydrofuran
Concen: 107.161 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.7	52.1
71	41.0	32.3	48.5

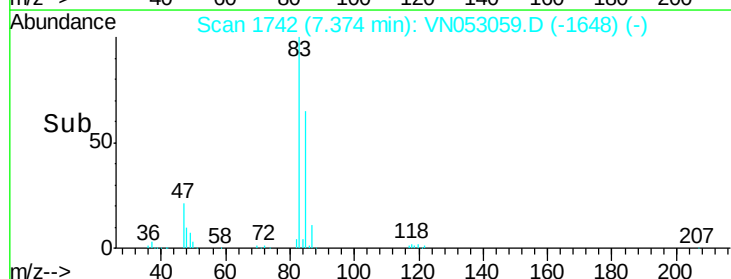
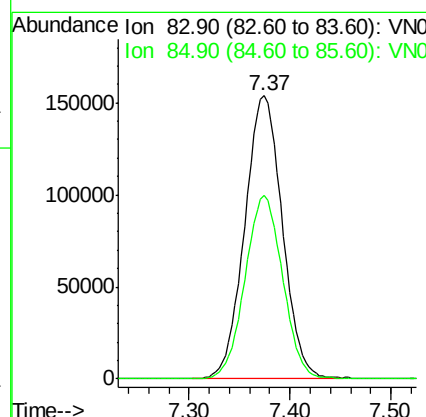
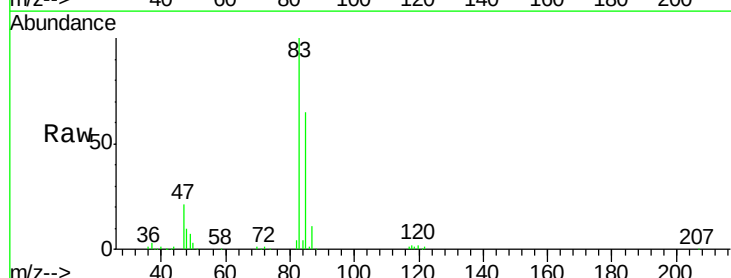
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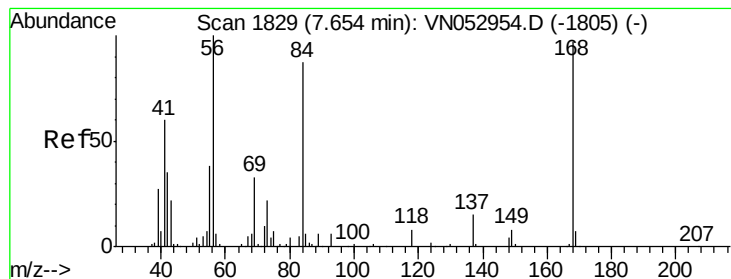
MMDadoda
12/27/2018 12:38:37 PM



#30
Chloroform
Concen: 20.237 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.1	78.1





#31

Cyclohexane

Concen: 19.493 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampled :

VN1220MBS02

Tgt Ion: 56 Resp: 378188

Ion Ratio Lower Upper

56 100

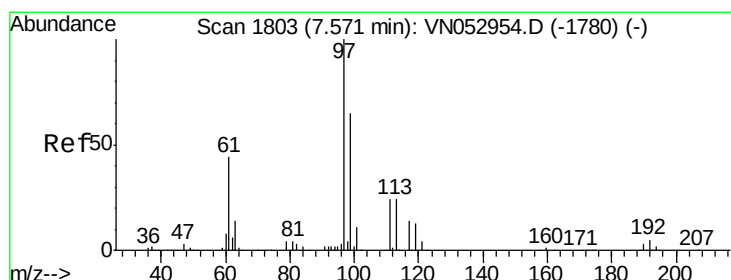
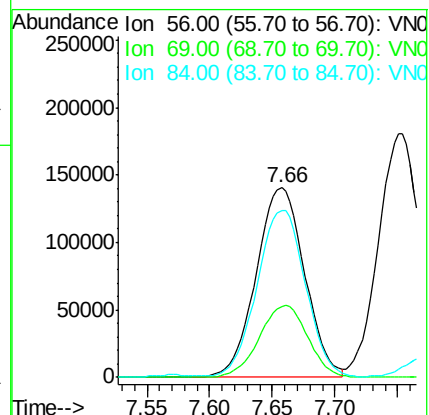
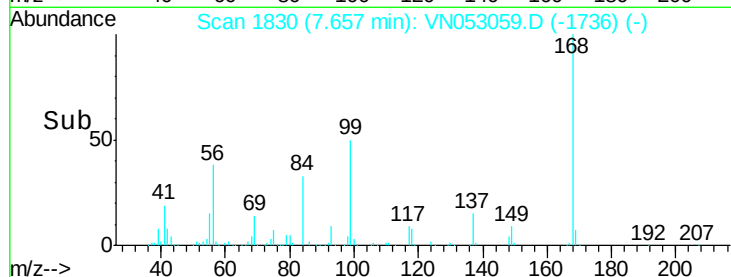
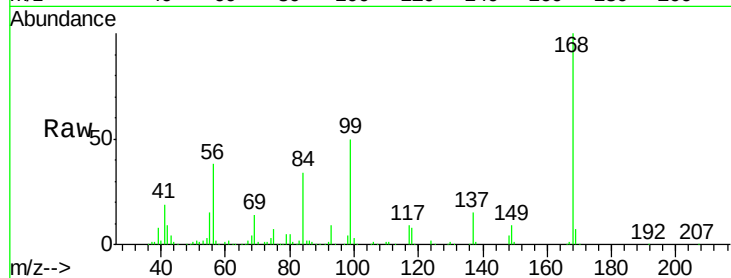
69 37.4 26.6 39.8

84 87.3 68.4 102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.890 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

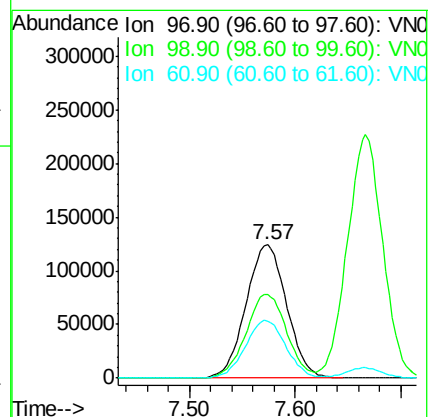
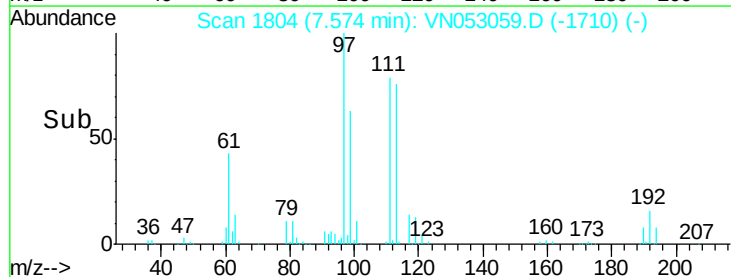
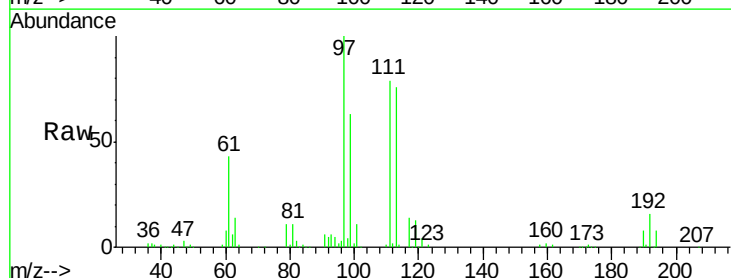
Tgt Ion: 97 Resp: 333355

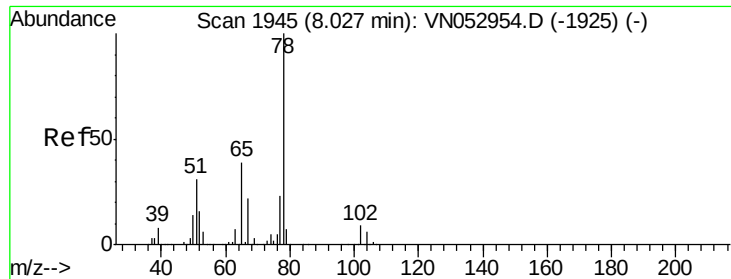
Ion Ratio Lower Upper

97 100

99 63.2 51.1 76.7

61 43.1 35.0 52.6





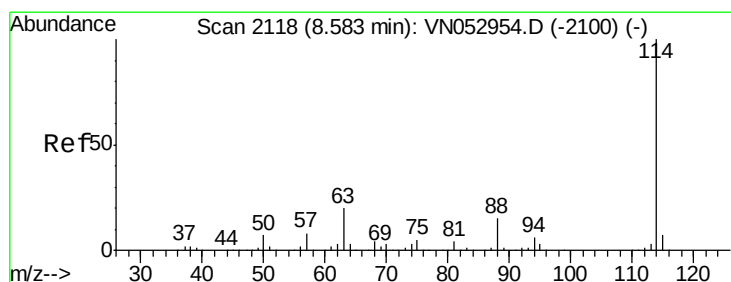
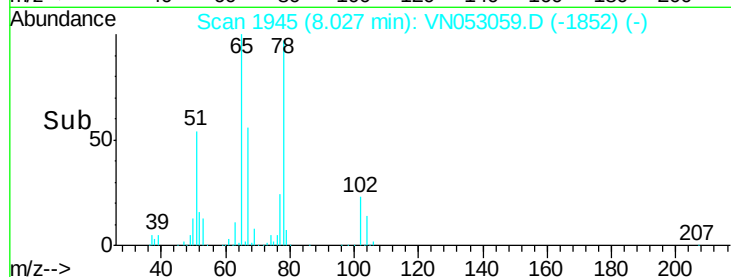
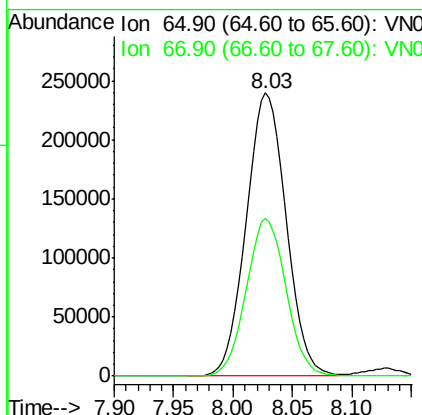
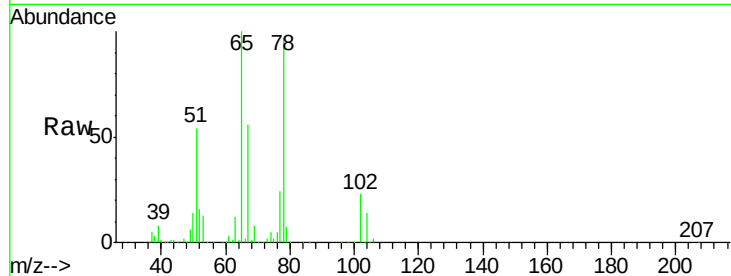
#33
 1,2-Dichloroethane-d4
 Concen: 19.890 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion: 65 Resp: 558166
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.4

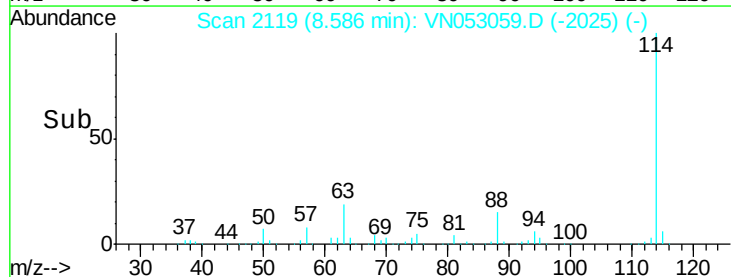
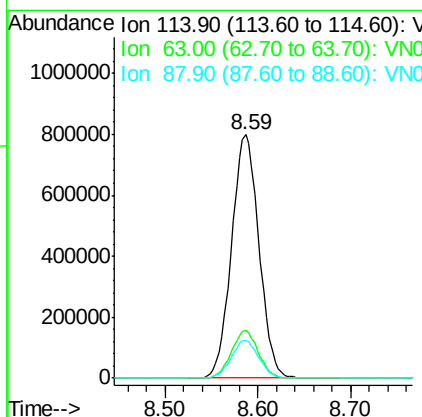
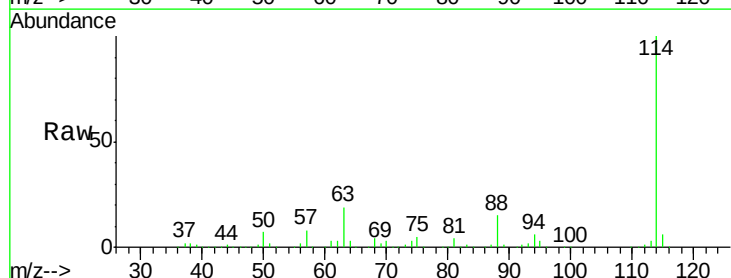
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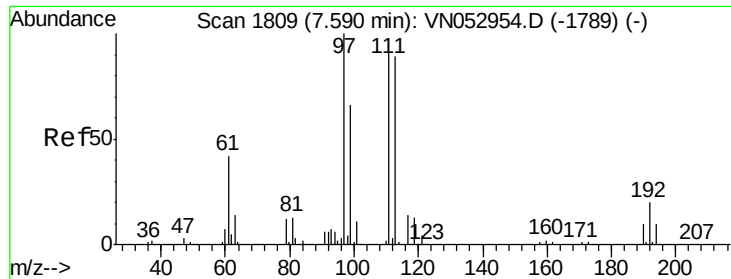
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion: 114 Resp: 1636791
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.4 0.0 31.0





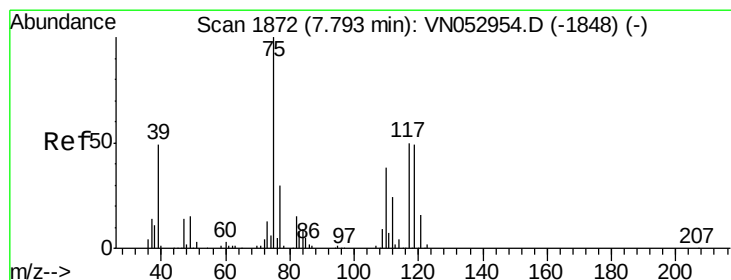
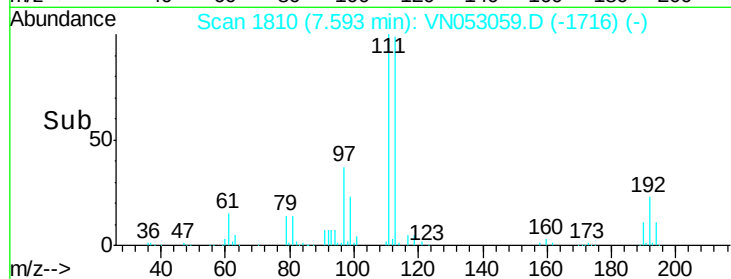
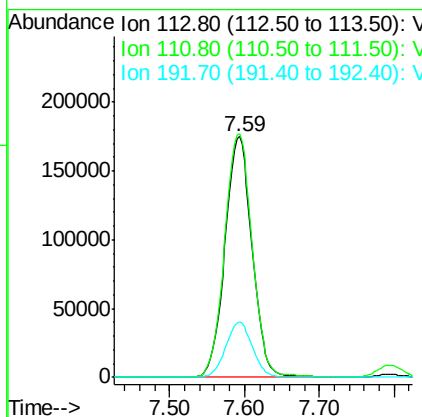
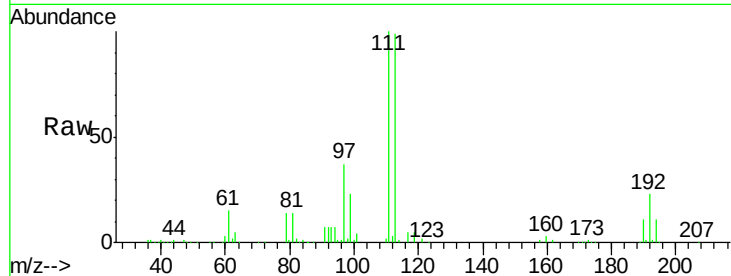
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	439045		
111	102.2	83.0	124.4	
192	22.6	17.5	26.3	

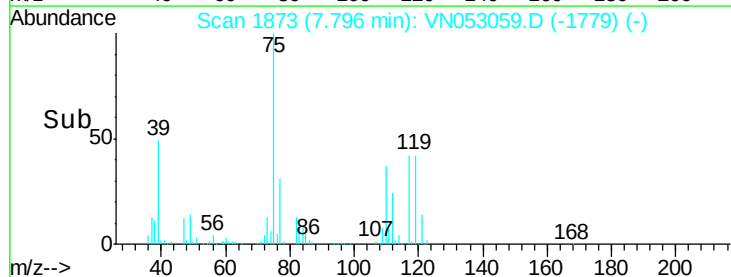
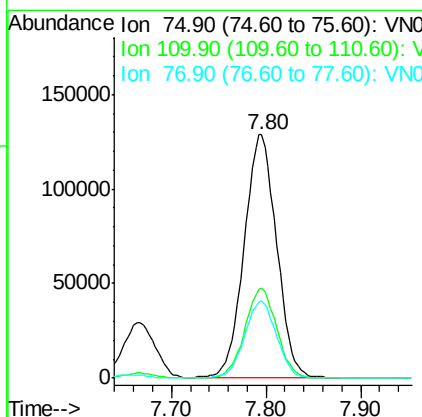
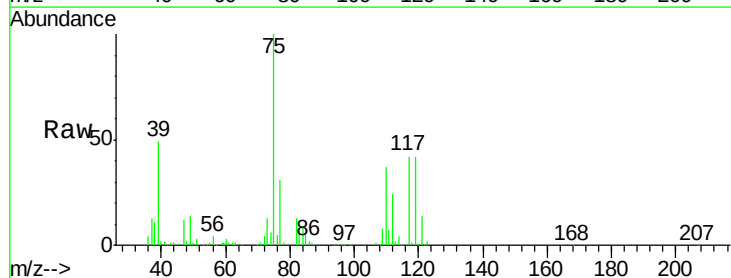
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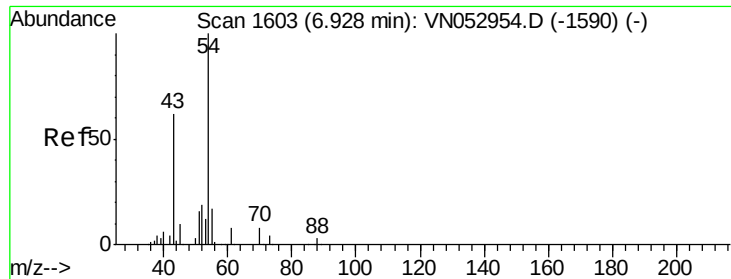
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#36
1,1-Dichloropropene
Concen: 19.432 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	305287		
110	36.4	18.2	54.6	
77	31.5	24.9	37.3	





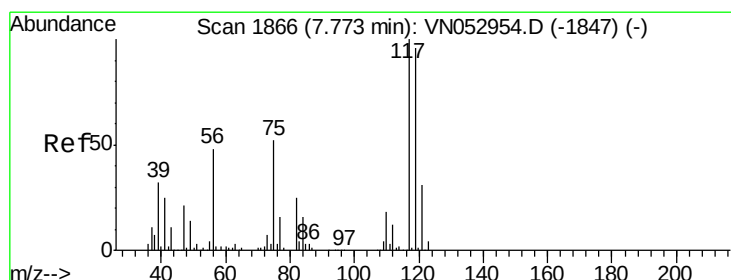
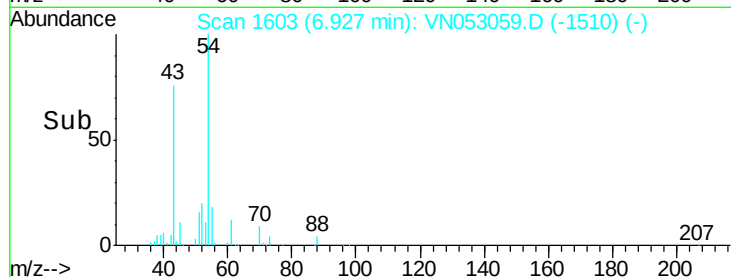
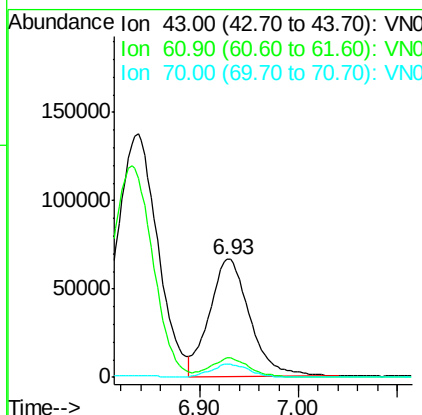
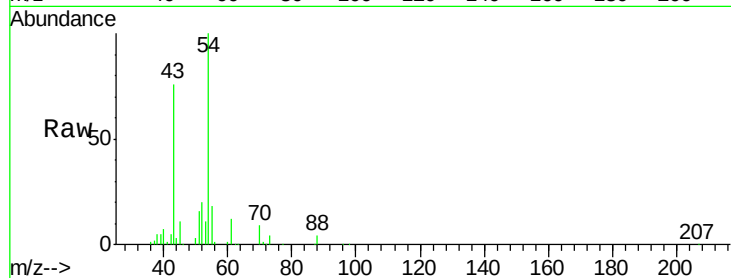
#37
Ethyl Acetate
Concen: 21.523 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	10.3	8.4	12.6

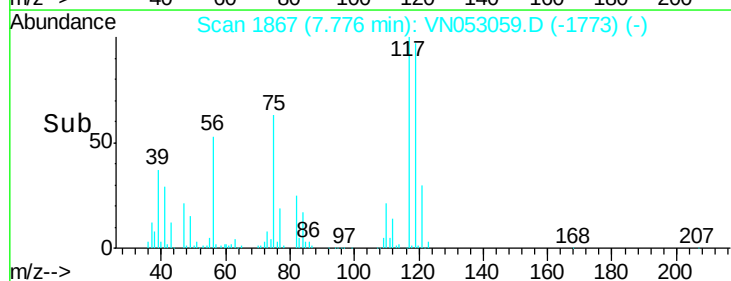
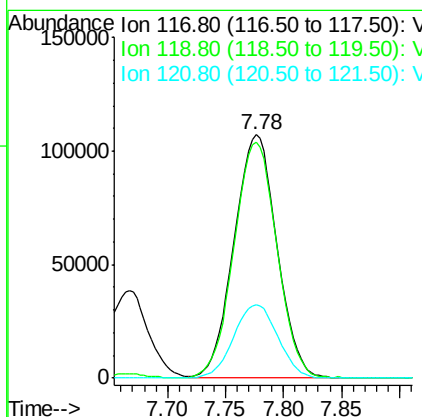
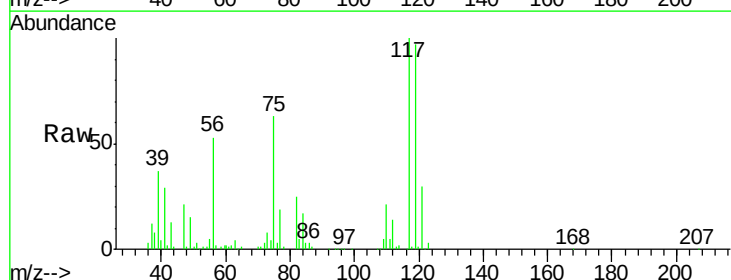
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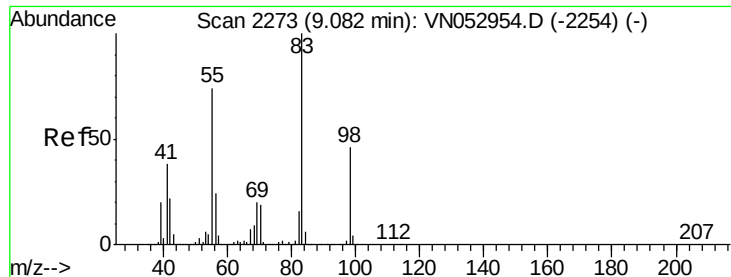
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.104 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.1	115.7
121	30.2	24.9	37.3





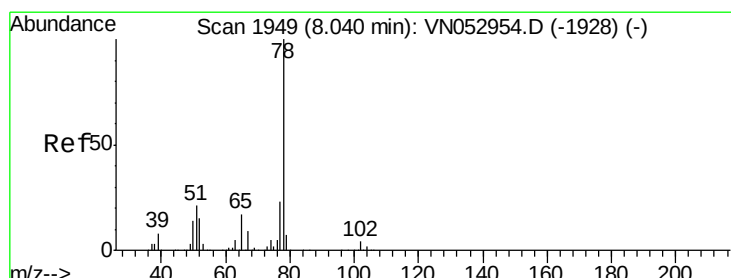
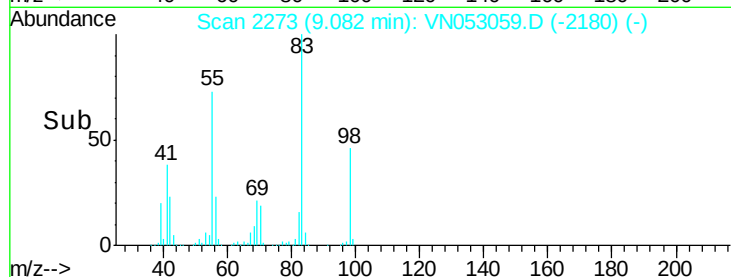
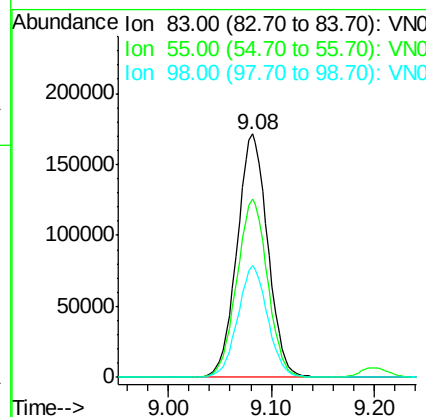
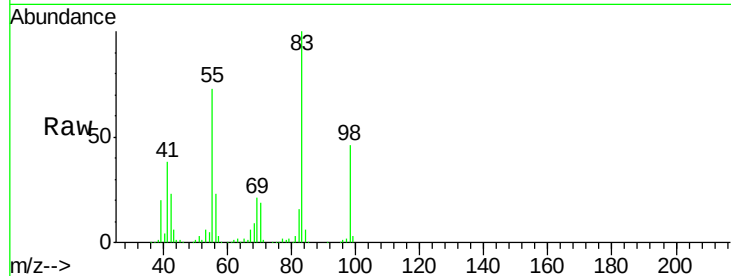
#39
Methylcyclohexane
Concen: 18.616 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.1	61.3	91.9
98	45.7	37.0	55.4

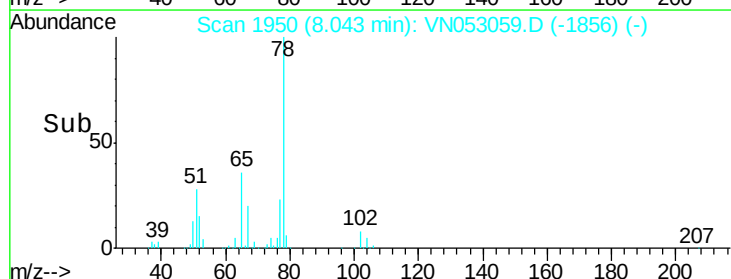
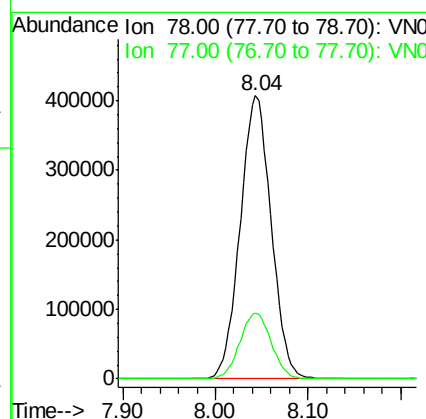
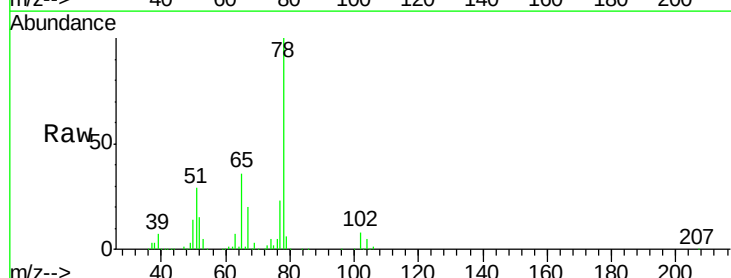
Manual Integrations
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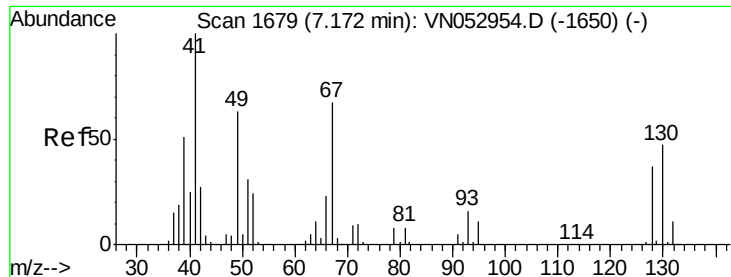
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#40
Benzene
Concen: 20.217 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7





#41

Methacrylonitrile

Concen: 21.654 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 41 Resp: 109728
Ion Ratio Lower Upper

41 100

39 58.4 48.0 72.0

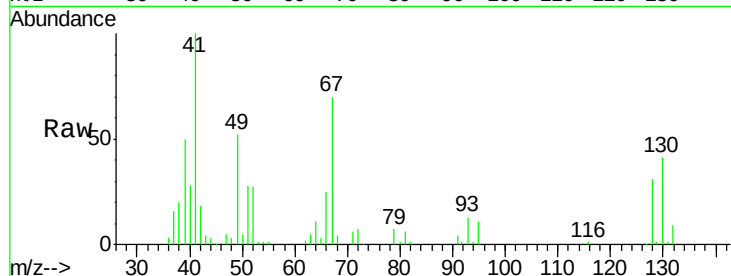
67 83.4 70.3 105.5

52 31.5 26.9 40.3

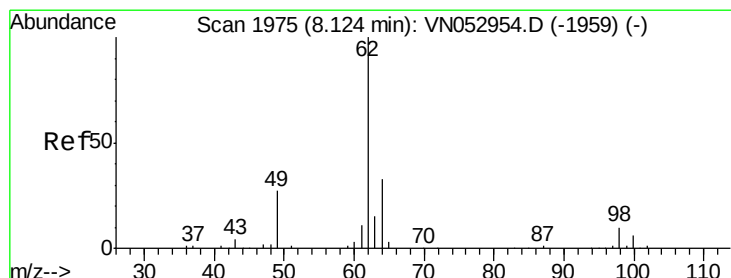
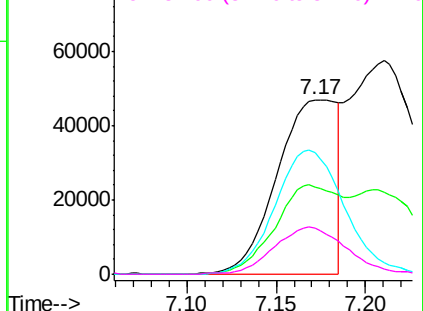
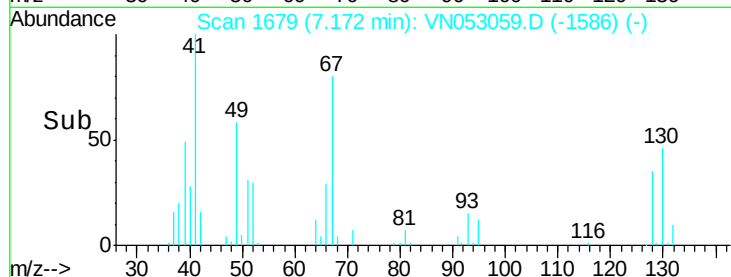
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 20.323 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

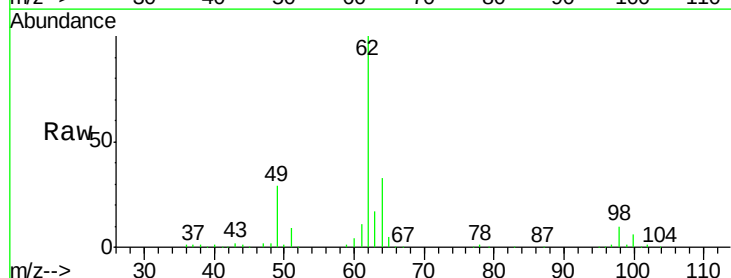
Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

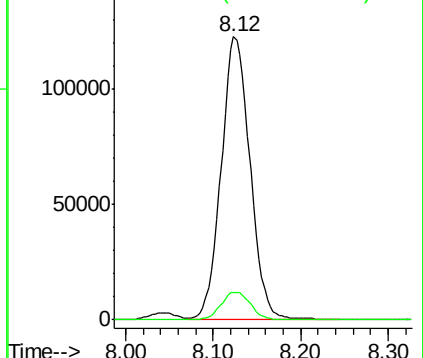
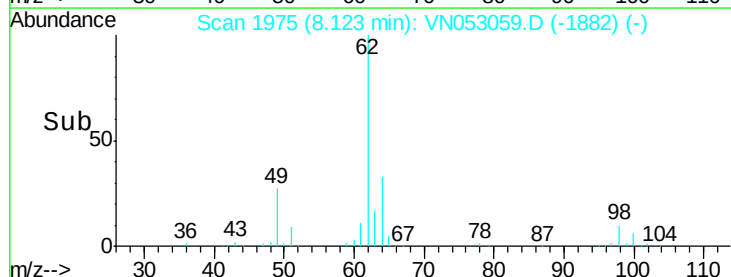
Tgt Ion: 62 Resp: 280562
Ion Ratio Lower Upper

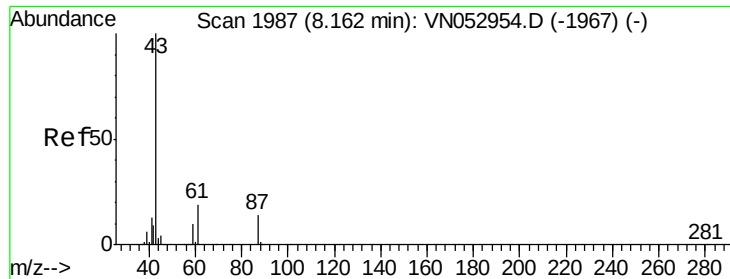
62 100

98 10.1 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.275 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

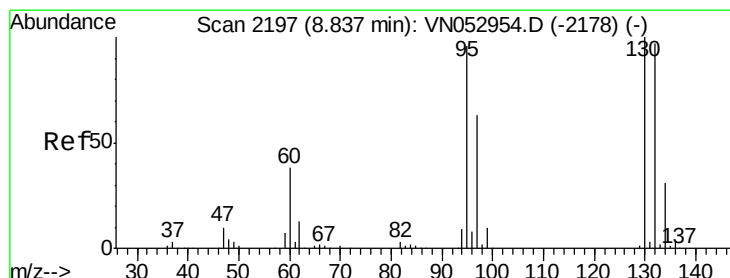
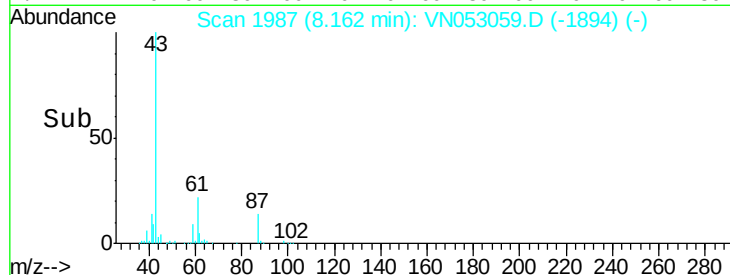
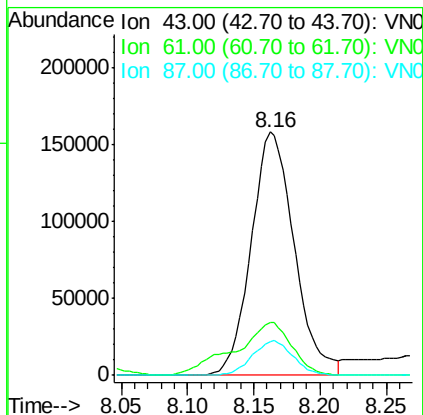
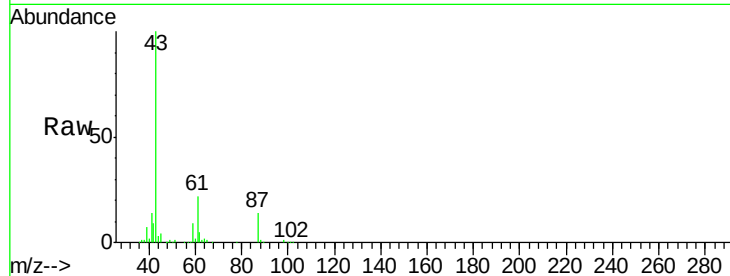
ClientSampleId :

VN1220MBS02

Tgt Ion:	43	Resp:	354644
Ion Ratio	Lower	Upper	
43	100		
61	28.6	22.9	34.3
87	13.5	10.6	15.8

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#44

Trichloroethene

Concen: 19.478 ug/l

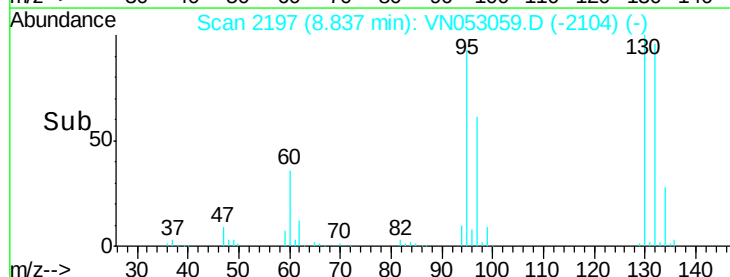
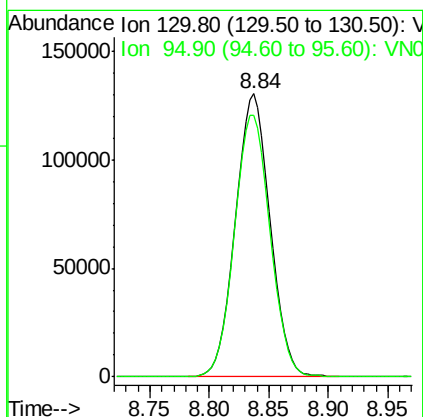
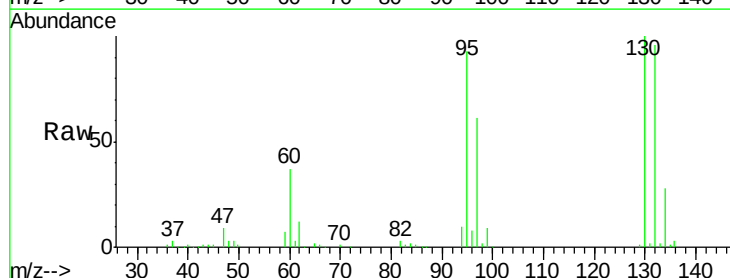
RT: 8.84 min Scan# 2197

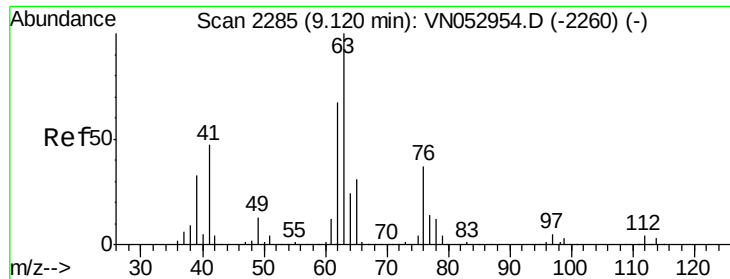
Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion:	130	Resp:	263263
Ion Ratio	Lower	Upper	
130	100		
95	92.6	0.0	197.8





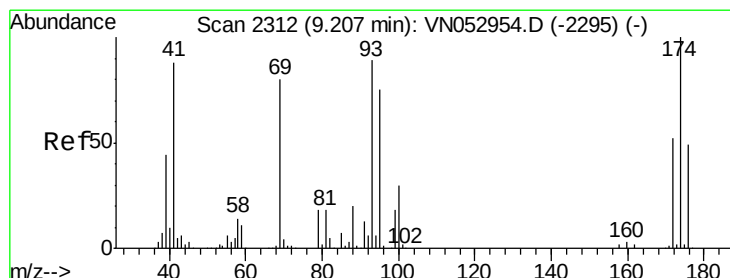
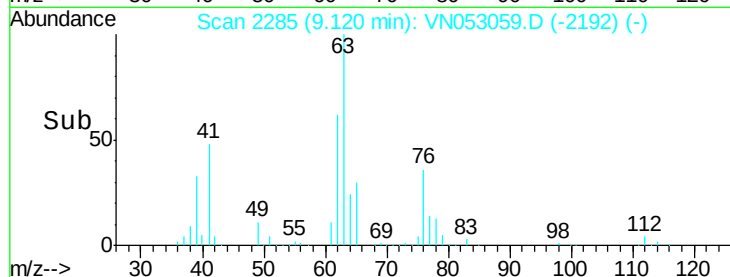
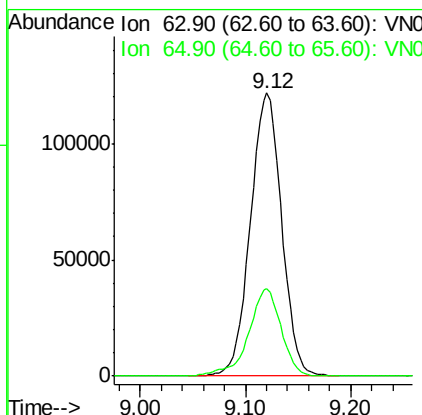
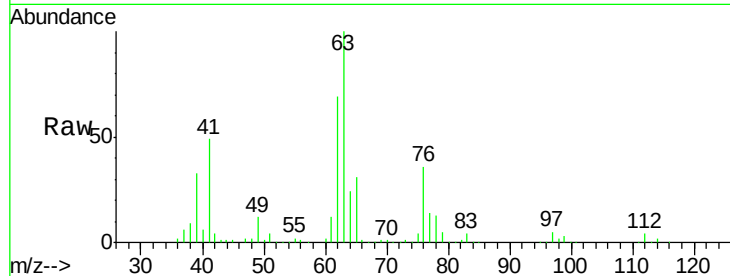
#45
 1,2-Dichloropropane
 Concen: 20.680 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion: 63 Resp: 251712
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 37.0

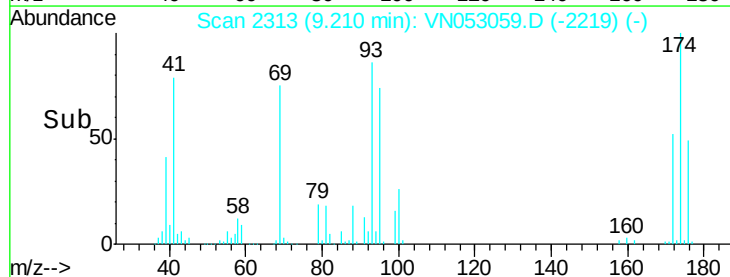
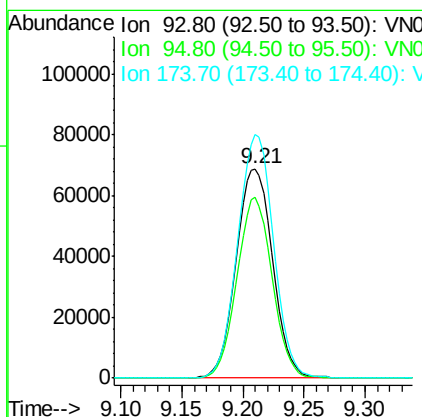
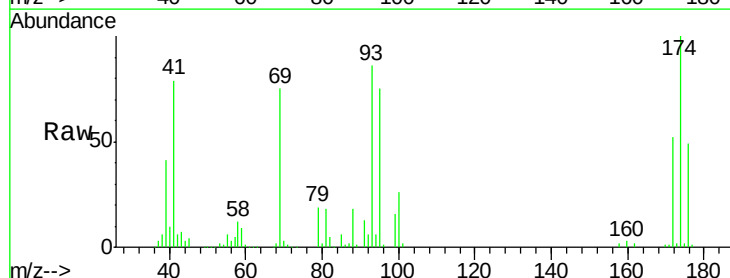
Manual Integrations
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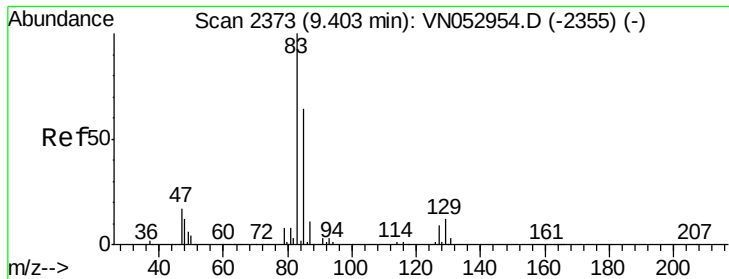
MMDadoda
 12/27/2018 12:38:37 PM



#46
 Dibromomethane
 Concen: 20.168 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion: 93 Resp: 143007
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.8 101.6
 174 113.9 89.0 133.4





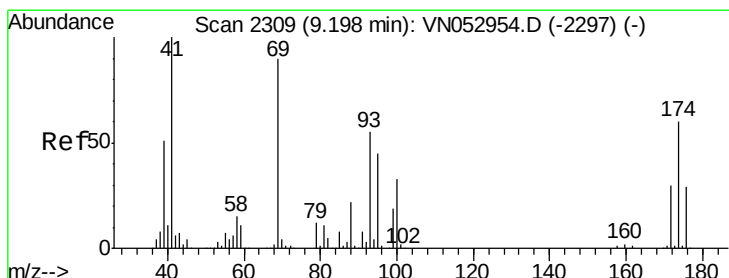
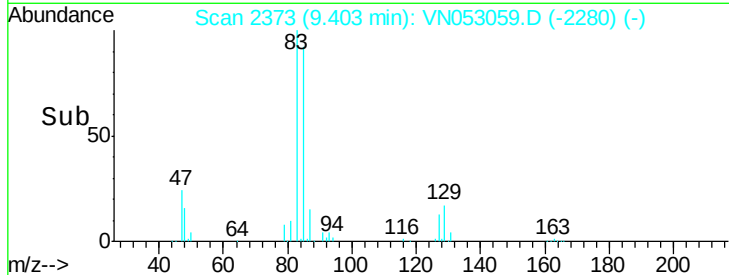
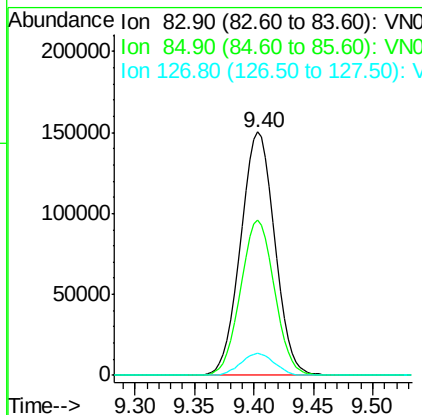
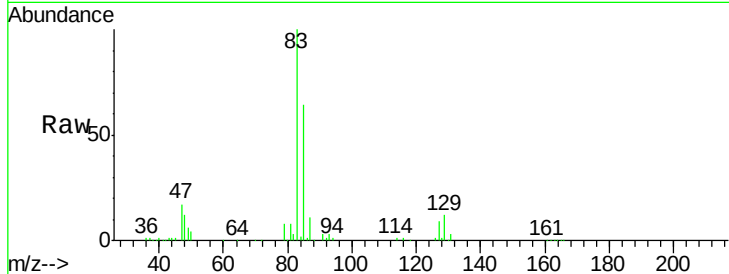
#47
Bromodichloromethane
Concen: 19.855 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	299264		
85	64.0	51.6	77.4	
127	8.9	7.1	10.7	

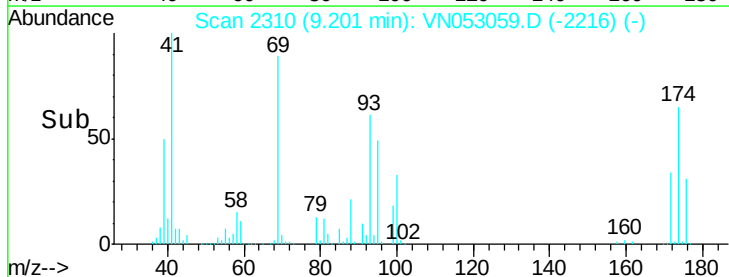
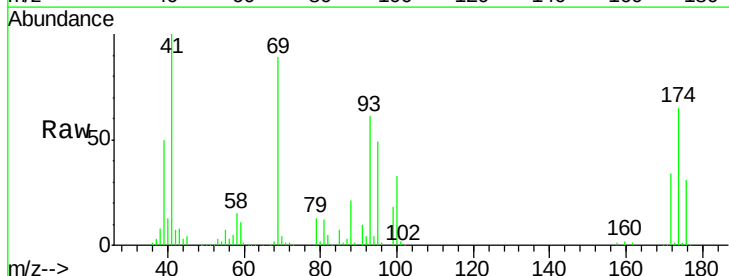
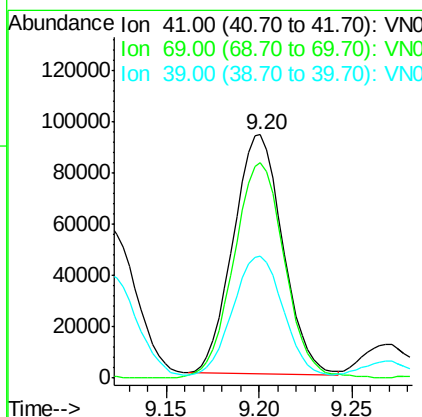
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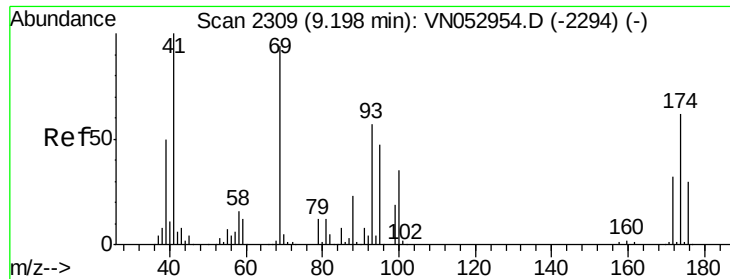
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#48
Methyl methacrylate
Concen: 20.380 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	173440		
69	92.7	72.2	108.2	
39	52.7	41.9	62.9	





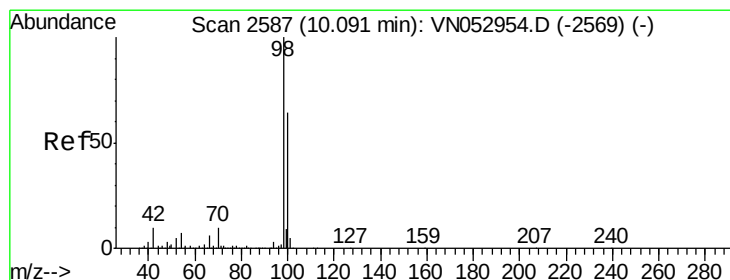
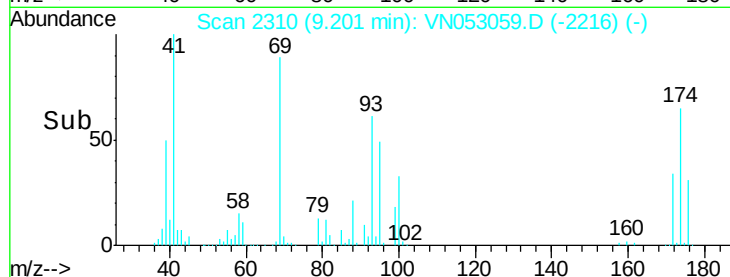
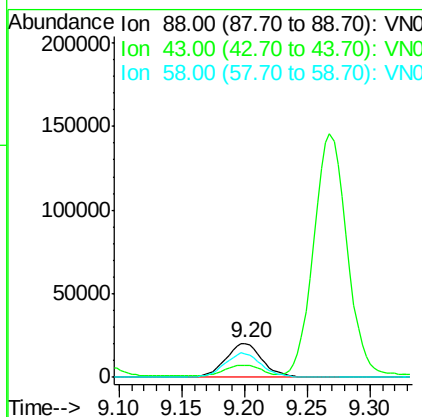
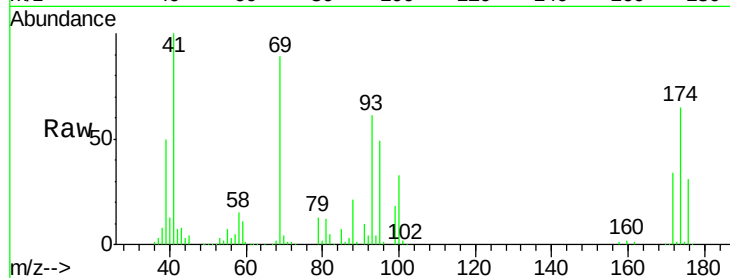
#49
1,4-Dioxane
Concen: 380.091 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.6	40.0
58	71.1	58.4	87.6

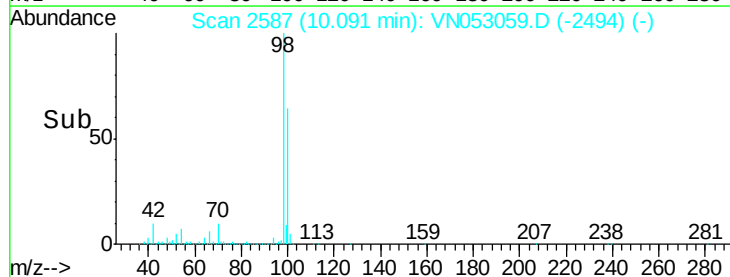
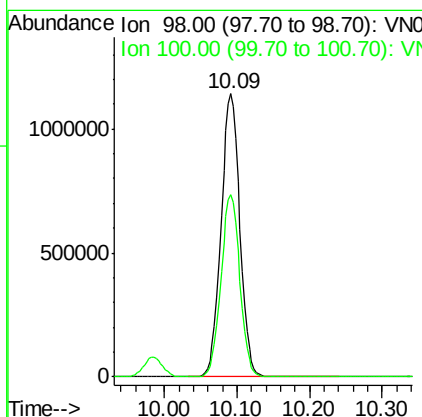
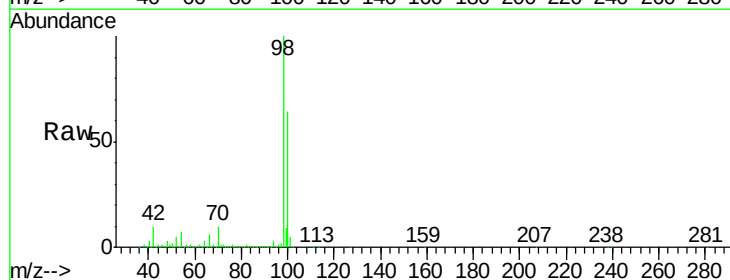
Manual Integrations
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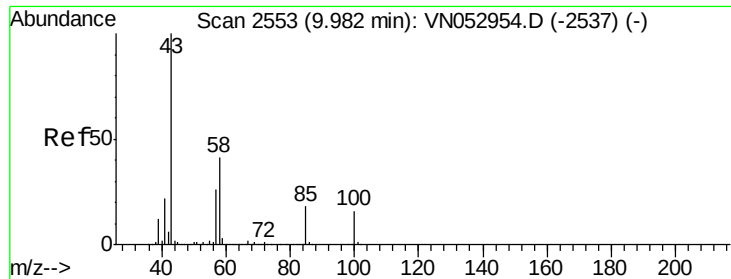
MMDadoda
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#50
Toluene-d8
Concen: 380.091 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 109.470 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 43 Resp: 929770

Ion Ratio Lower Upper

43 100

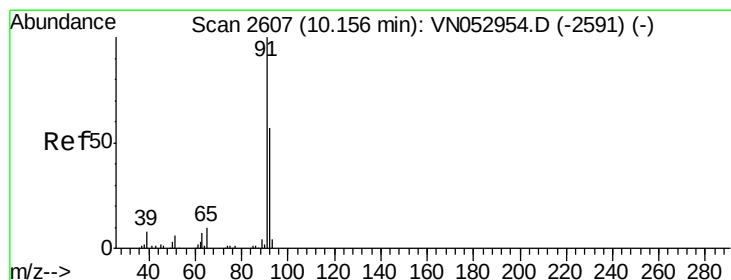
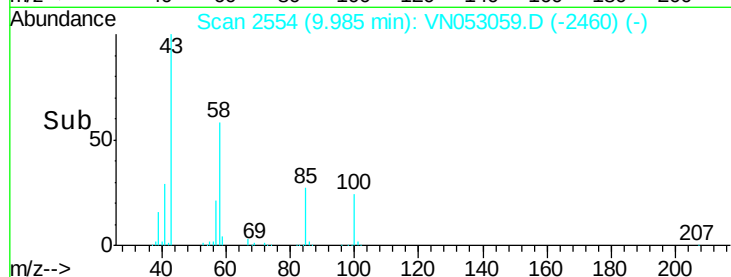
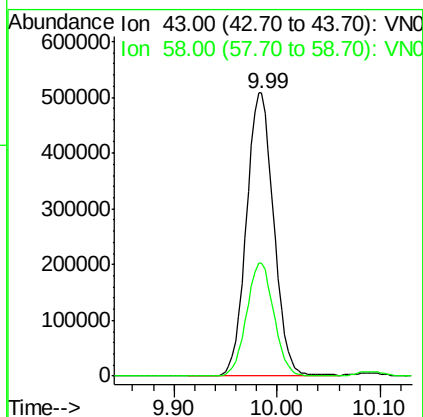
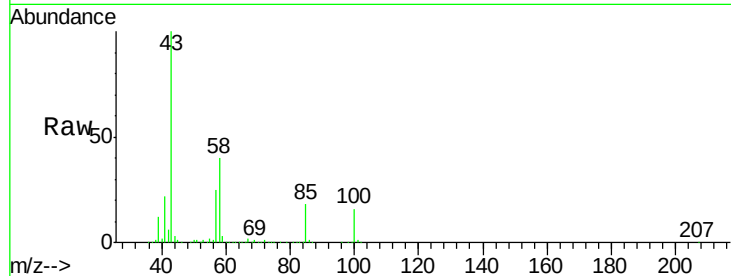
58 40.1 32.2 48.4

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#52

Toluene

Concen: 20.012 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053059.D

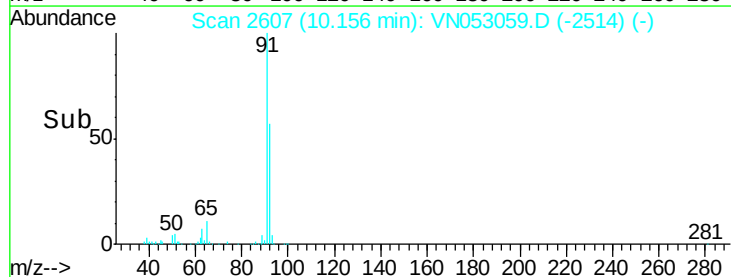
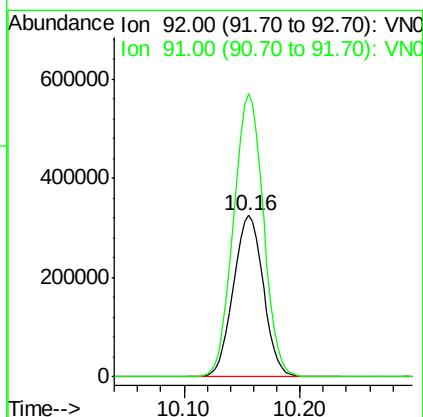
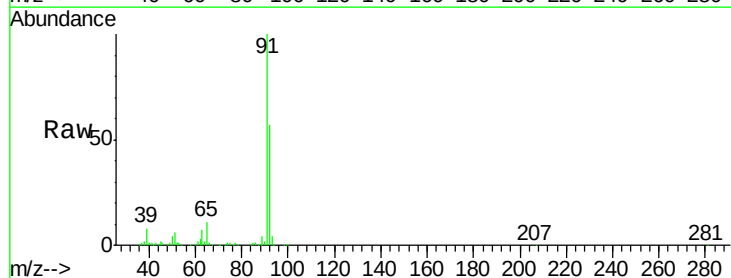
Acq: 20 Dec 2018 16:21

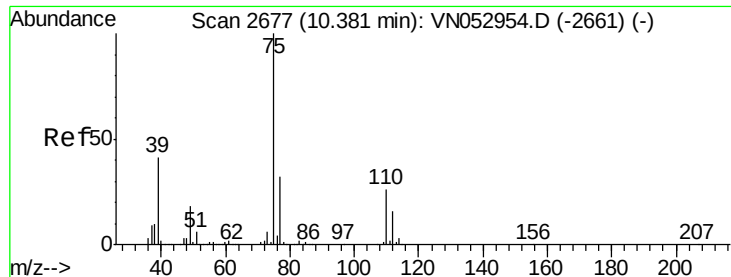
Tgt Ion: 92 Resp: 579627

Ion Ratio Lower Upper

92 100

91 175.2 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.735 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 75 Resp: 296936

Ion Ratio Lower Upper

75 100

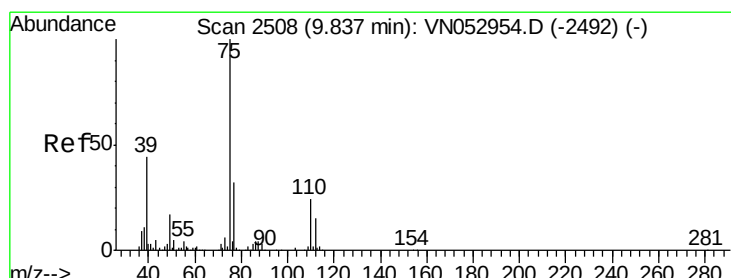
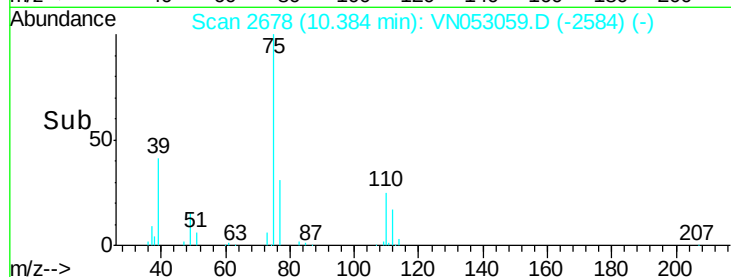
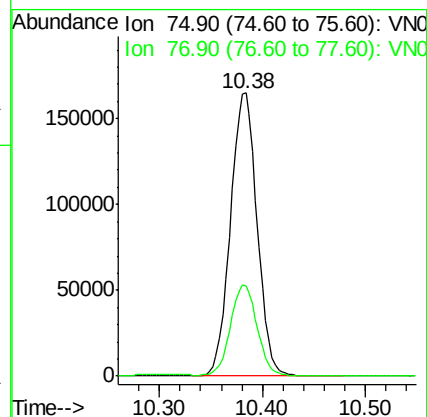
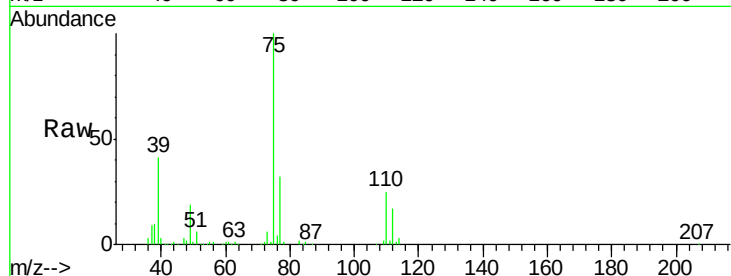
77 31.7 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.476 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

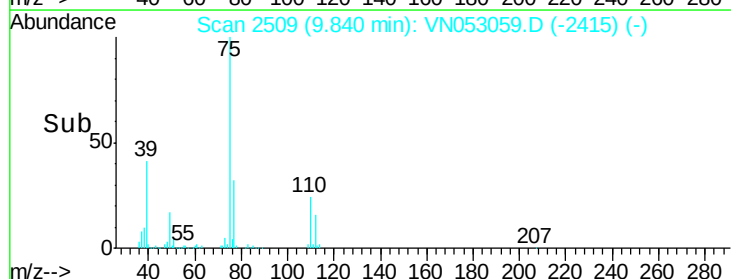
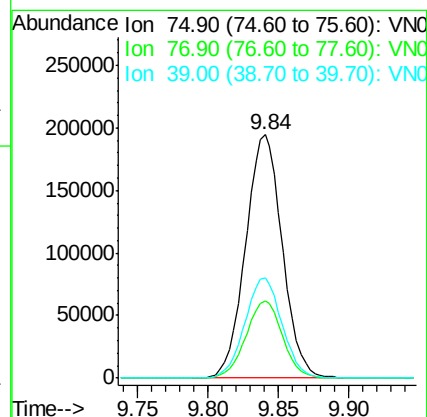
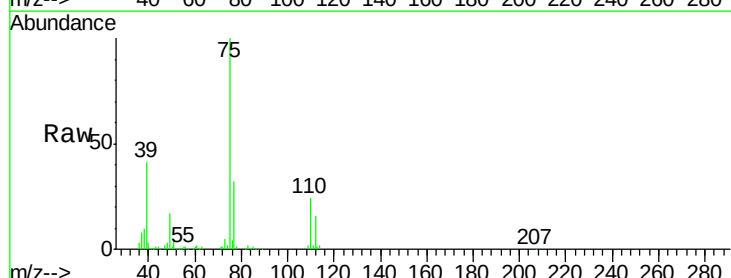
Tgt Ion: 75 Resp: 354318

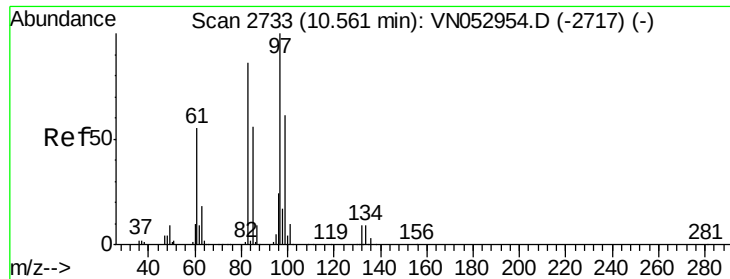
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 41.0 34.8 52.2





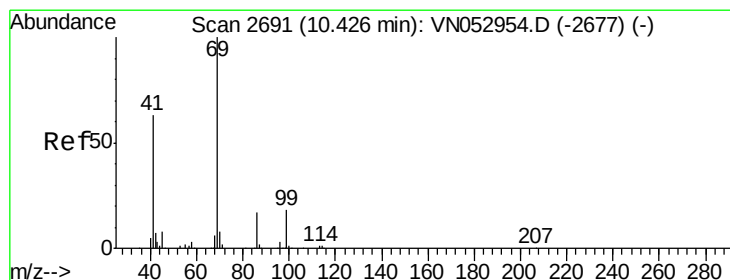
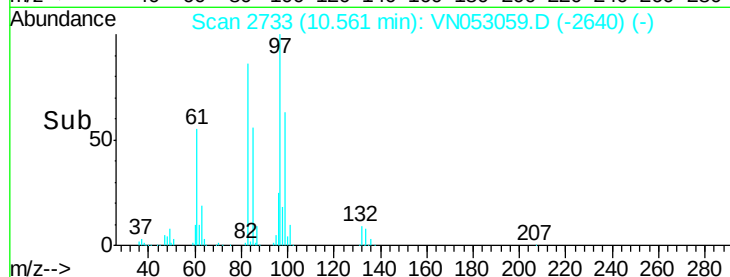
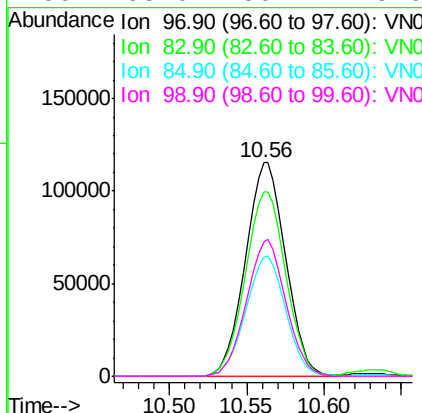
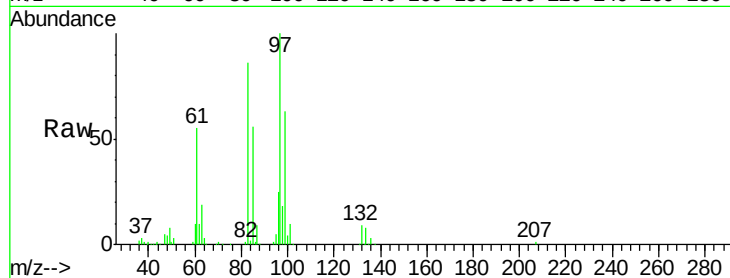
#55
 1,1,2-Trichloroethane
 Concen: 20.652 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.9	106.3
85	55.9	45.4	68.2
99	63.0	50.4	75.6

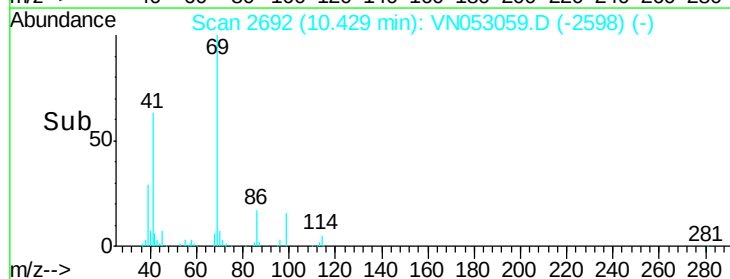
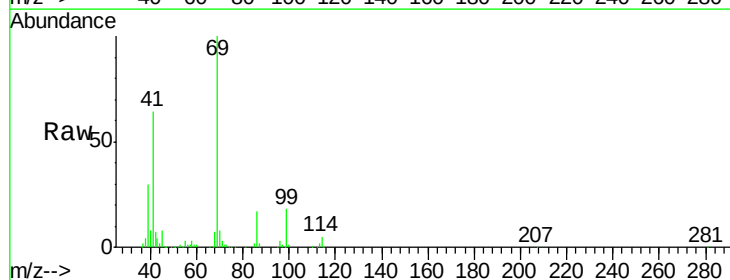
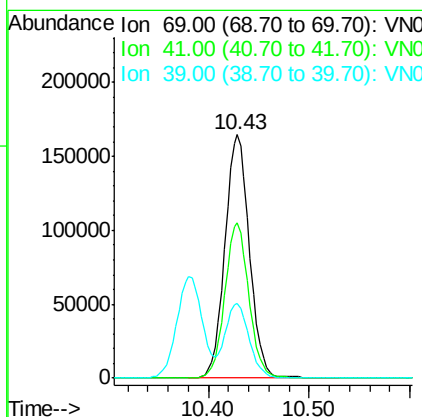
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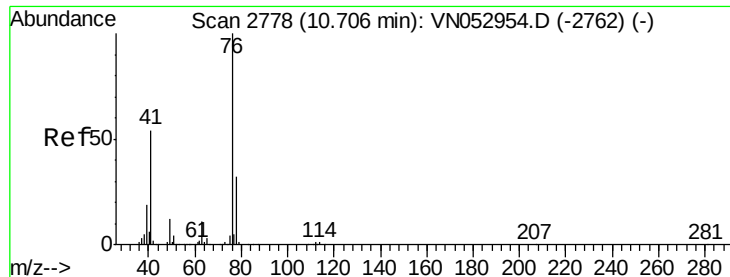
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#56
 Ethyl methacrylate
 Concen: 20.825 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.8	51.7	77.5
39	30.0	24.6	37.0





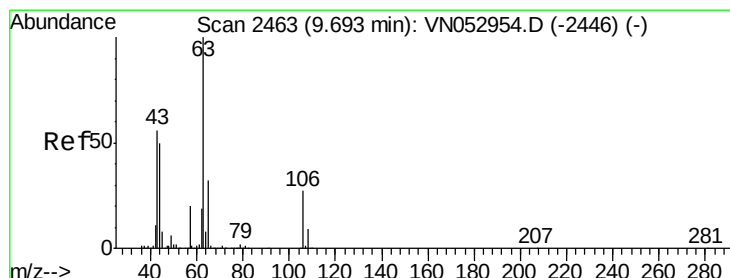
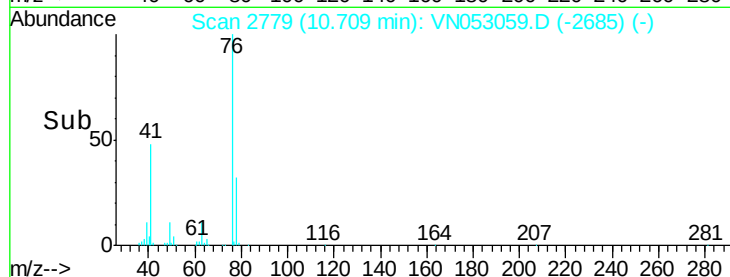
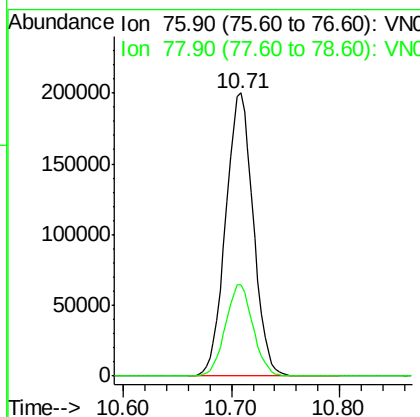
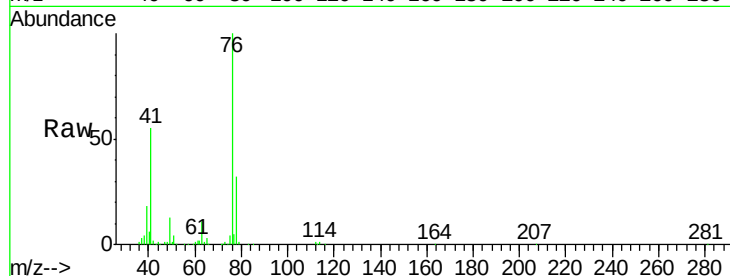
#57
 1,3-Dichloropropane
 Concen: 20.565 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion: 76 Resp: 356350
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

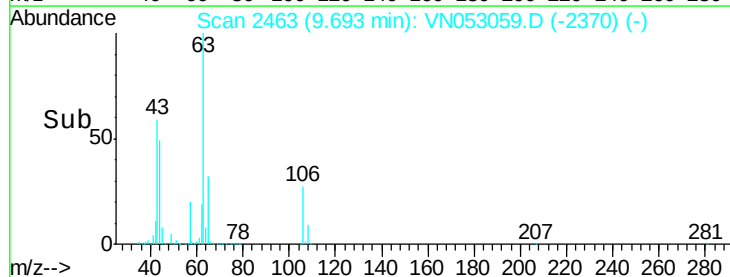
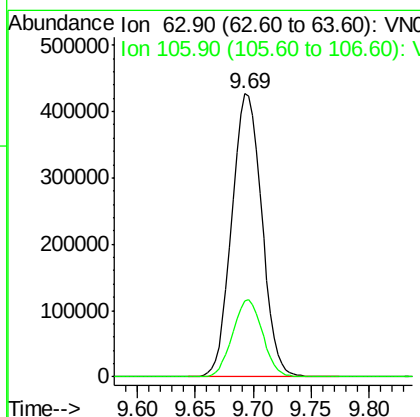
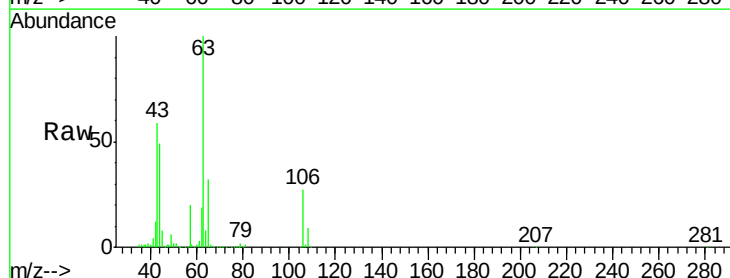
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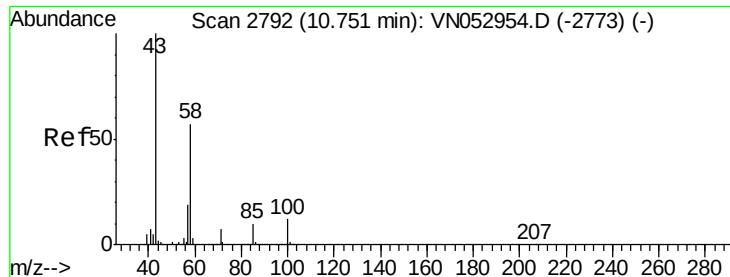
MMDadoda
 12/27/2018 12:38:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.083 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion: 63 Resp: 764251
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.0 31.6





#59

2-Hexanone

Concen: 108.182 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 43 Resp: 621660

Ion Ratio Lower Upper

43 100

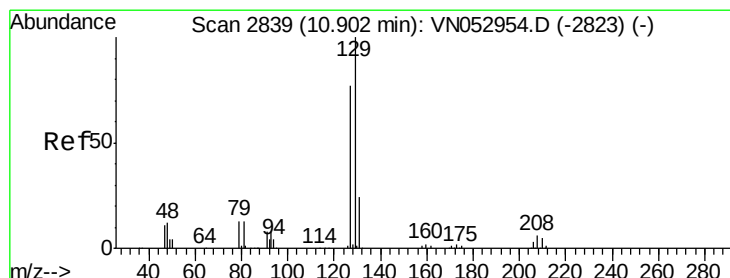
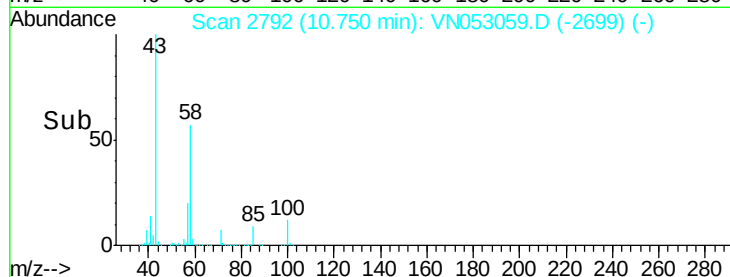
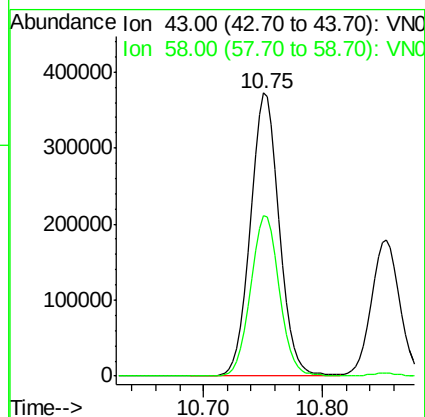
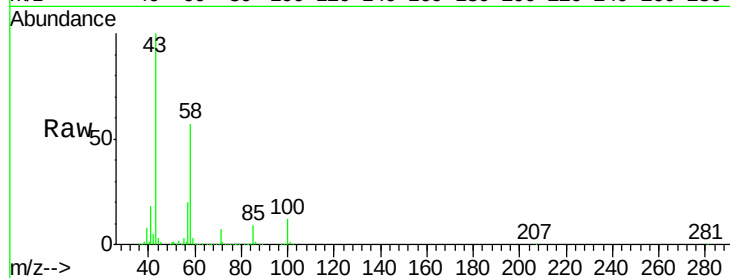
58 56.9 28.1 84.3

Manual Integrations

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#60

Dibromochloromethane

Concen: 19.210 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053059.D

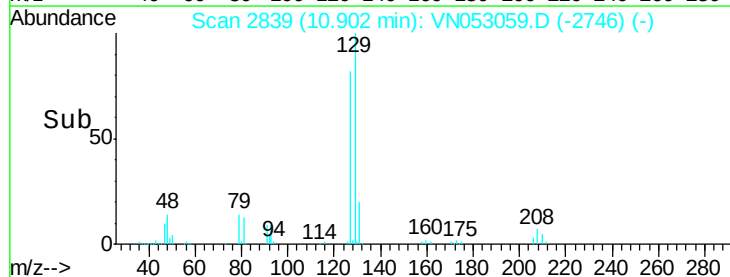
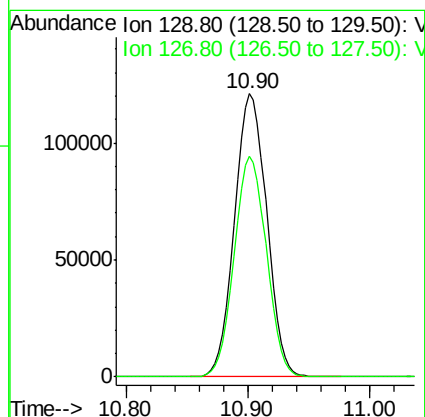
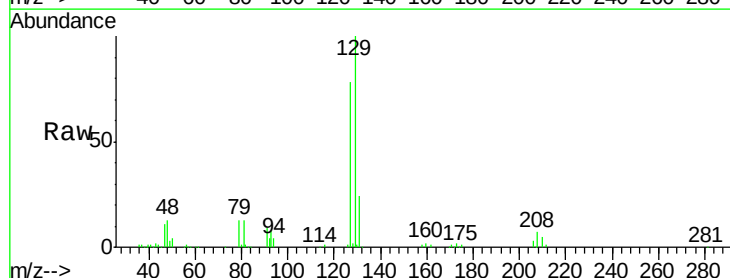
Acq: 20 Dec 2018 16:21

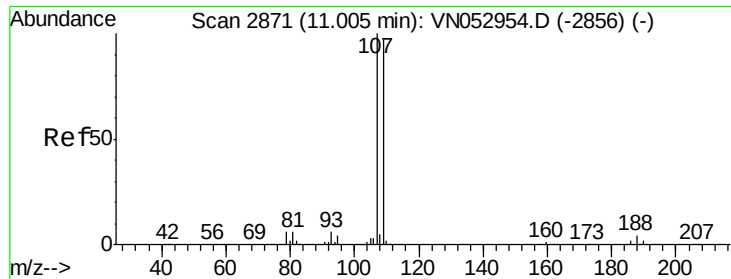
Tgt Ion: 129 Resp: 222201

Ion Ratio Lower Upper

129 100

127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.179 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 107 Resp: 207093

Ion Ratio Lower Upper

107 100

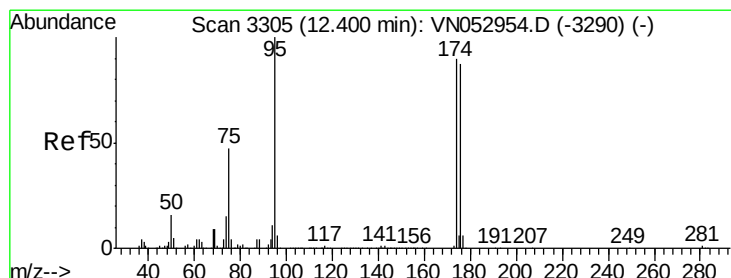
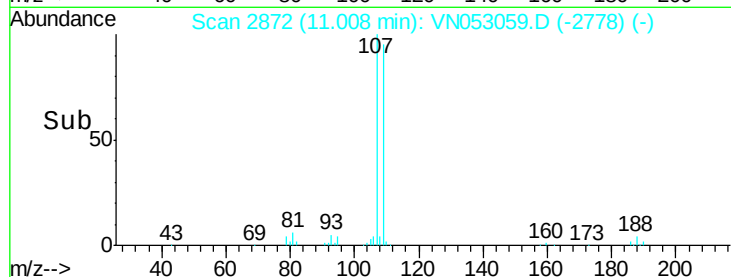
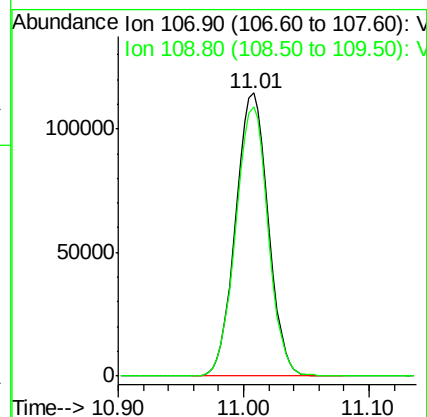
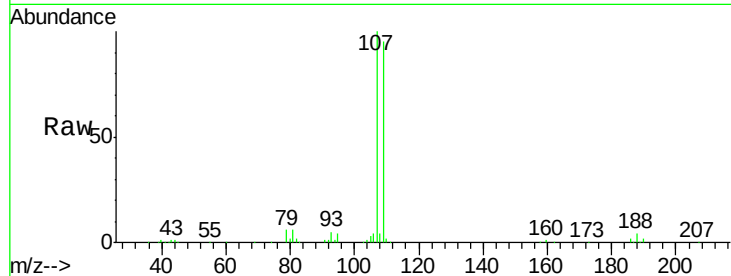
109 94.7 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 20.179 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

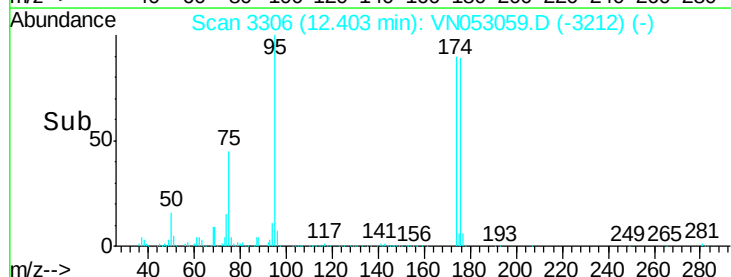
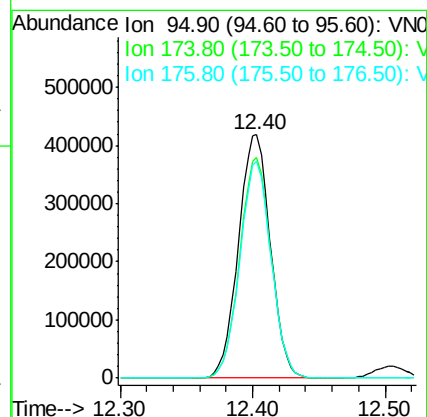
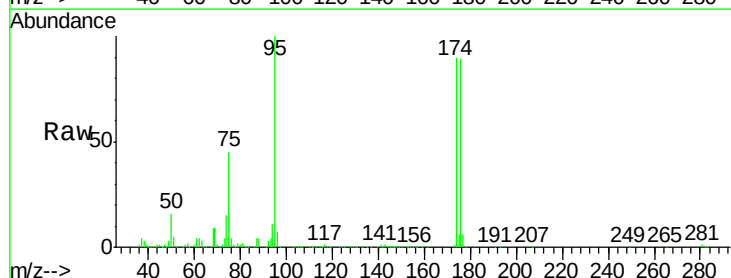
Tgt Ion: 95 Resp: 699371

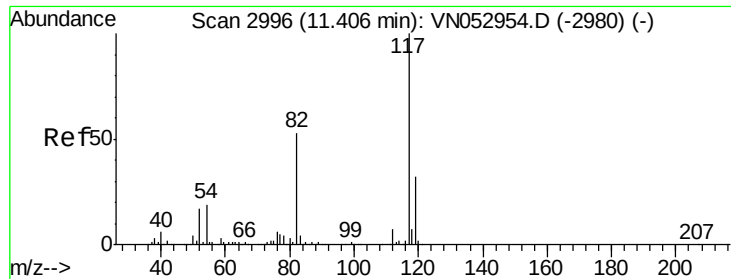
Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

176 87.1 0.0 173.8





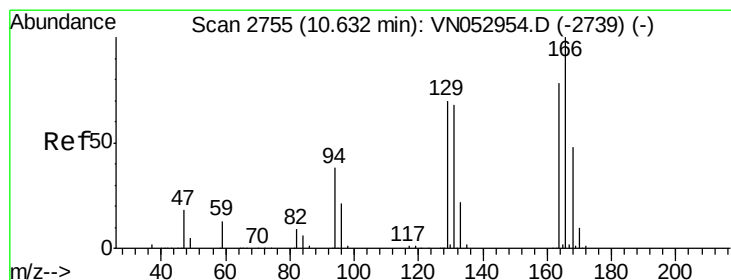
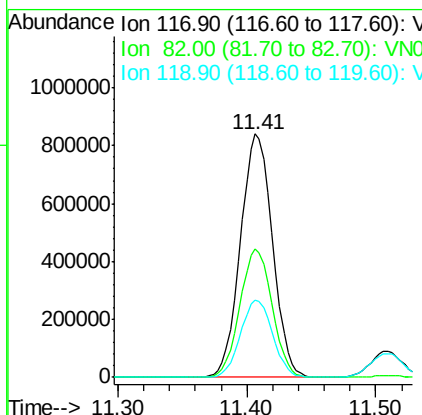
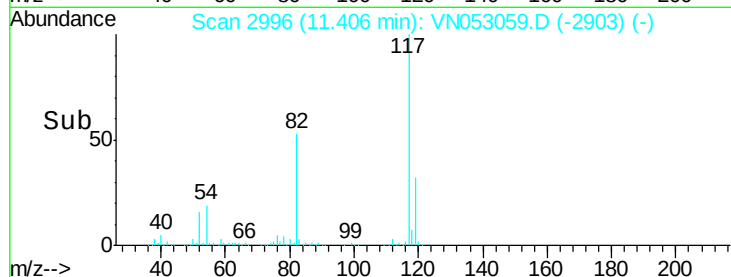
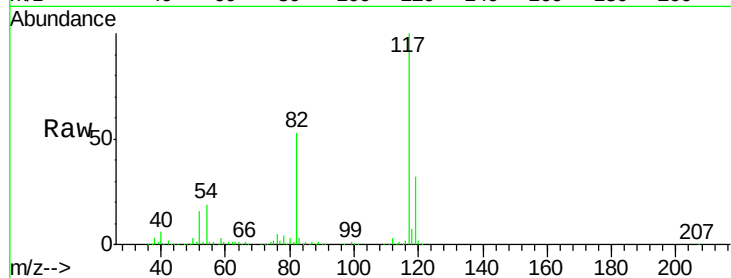
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion:117 Resp: 1453187
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 31.9 25.5 38.3

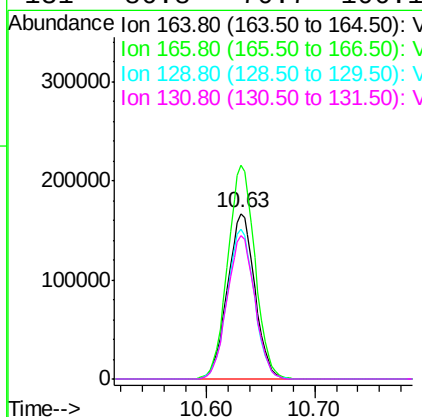
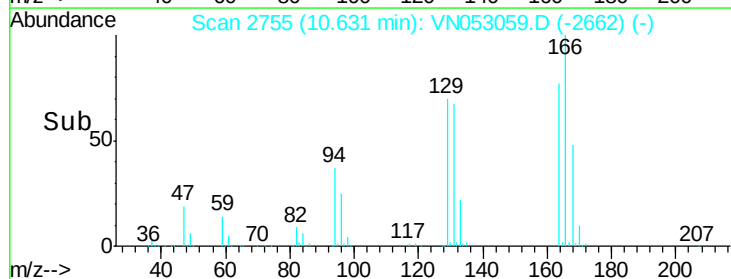
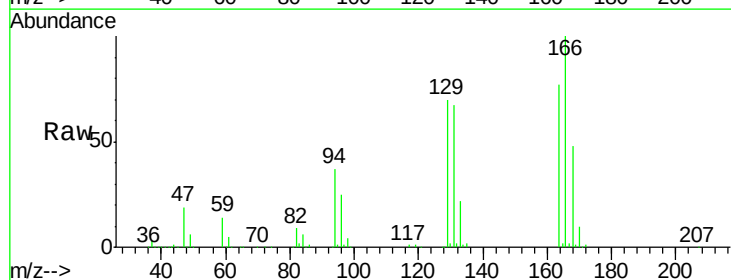
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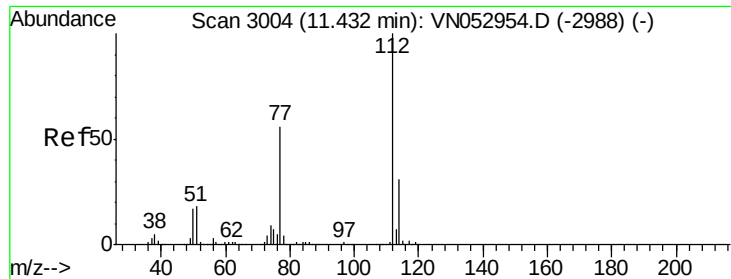
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#64
Tetrachloroethene
Concen: 18.726 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion:164 Resp: 294765
Ion Ratio Lower Upper
164 100
166 129.2 102.9 154.3
129 90.6 73.7 110.5
131 86.8 70.7 106.1





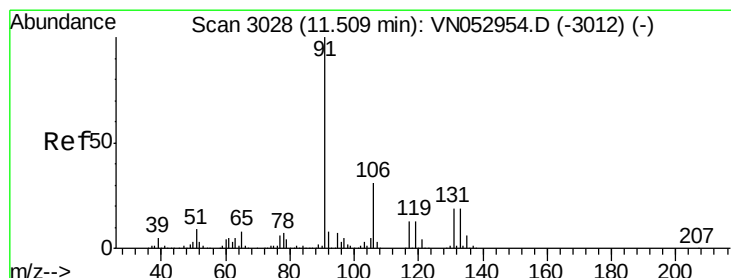
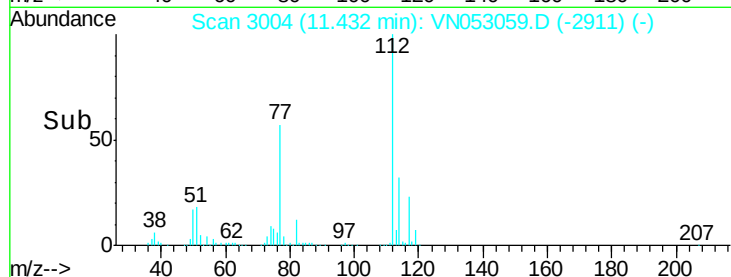
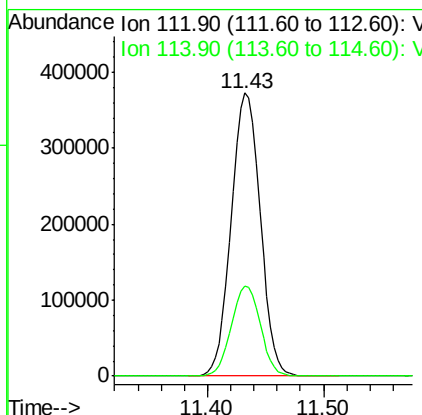
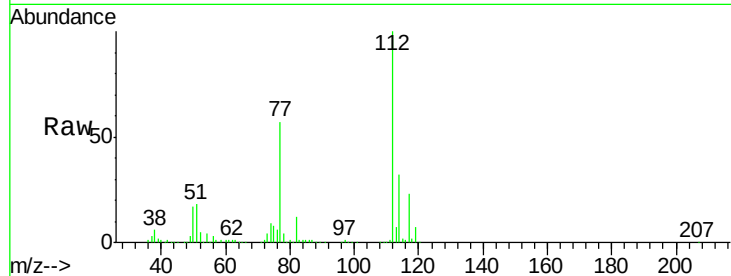
#65
Chlorobenzene
Concen: 20.010 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion:112 Resp: 644576
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

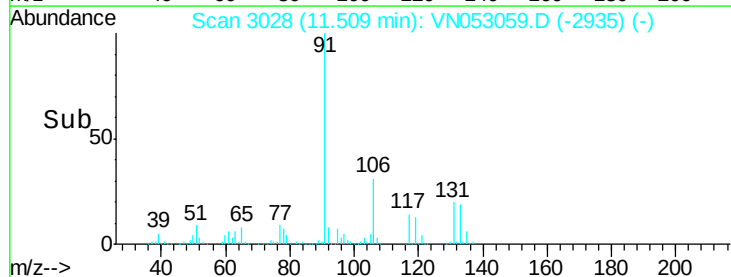
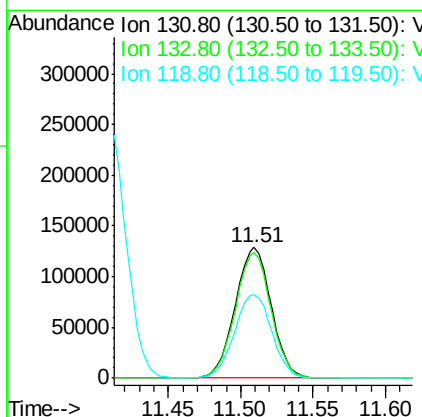
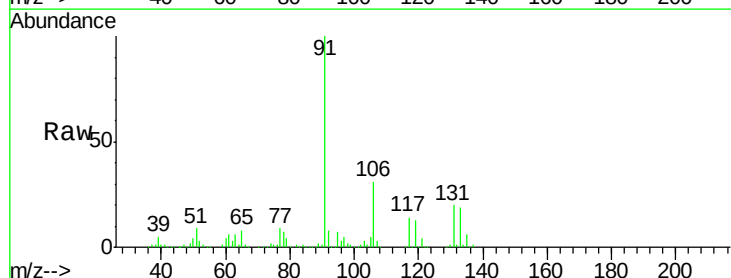
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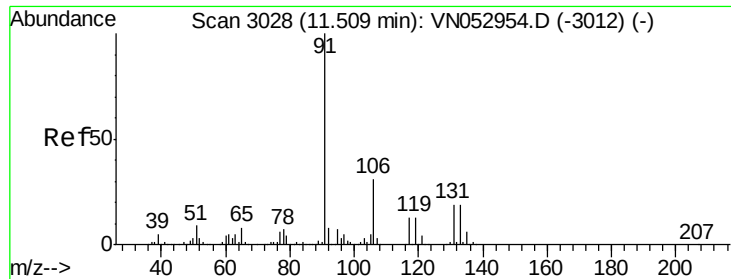
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.837 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion:131 Resp: 222214
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 66.1 33.3 99.8





#67

Ethyl Benzene

Concen: 19.773 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 91 Resp: 1095402

Ion Ratio Lower Upper

91 100

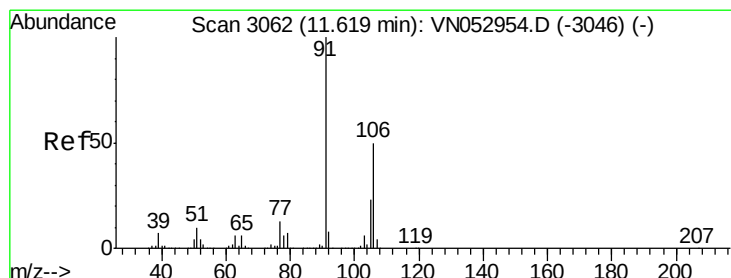
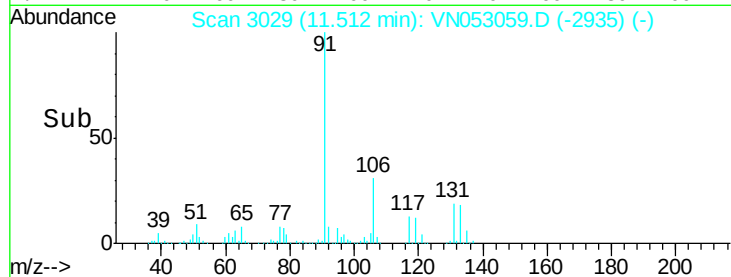
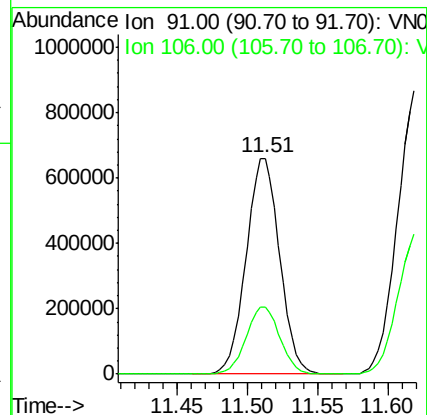
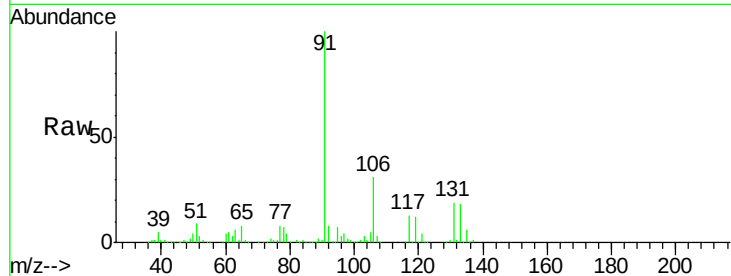
106 31.1 24.9 37.3

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#68

m/p-Xylenes

Concen: 39.502 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053059.D

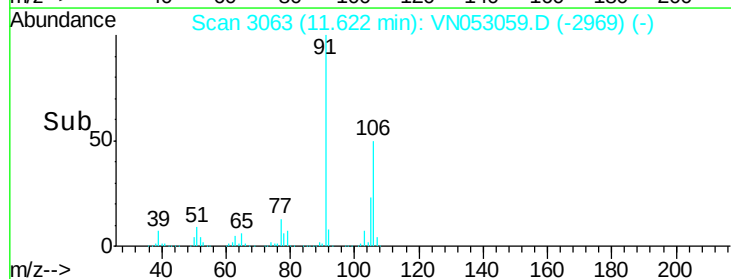
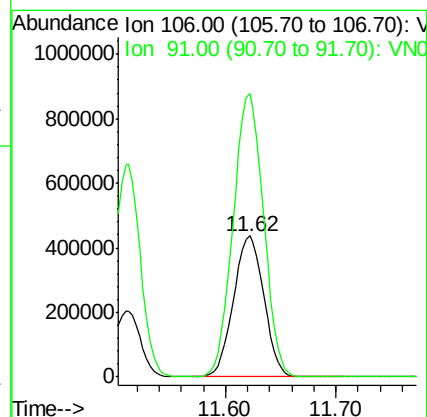
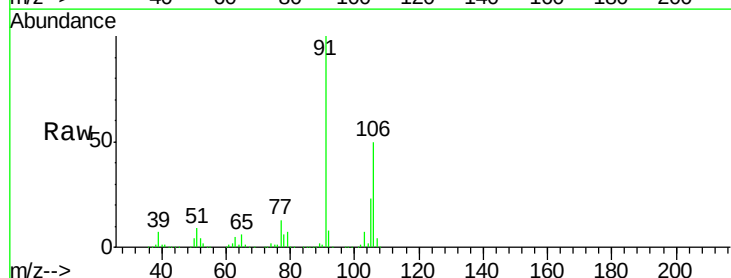
Acq: 20 Dec 2018 16:21

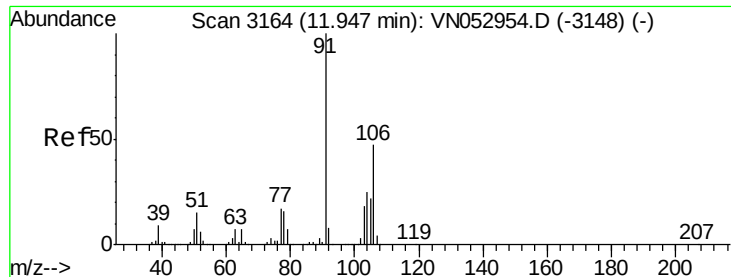
Tgt Ion: 106 Resp: 831909

Ion Ratio Lower Upper

106 100

91 201.4 162.2 243.4





#69

o-Xylene

Concen: 20.174 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion:106 Resp: 407694

Ion Ratio Lower Upper

106 100

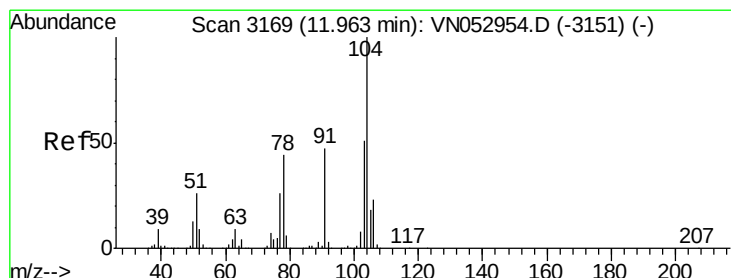
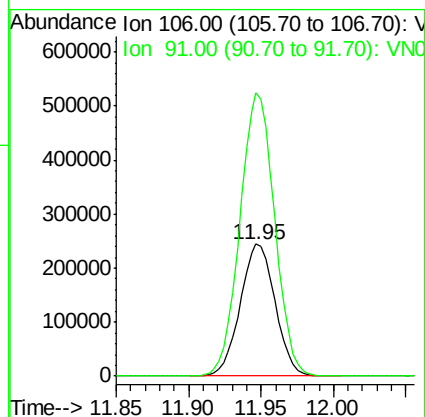
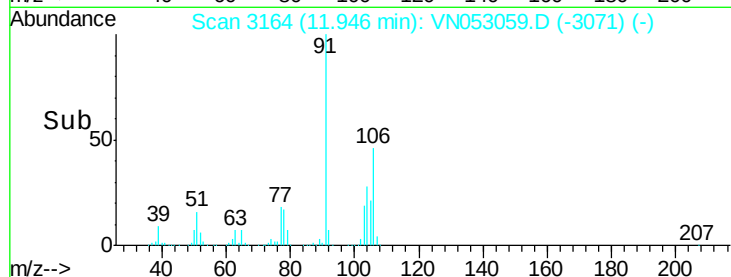
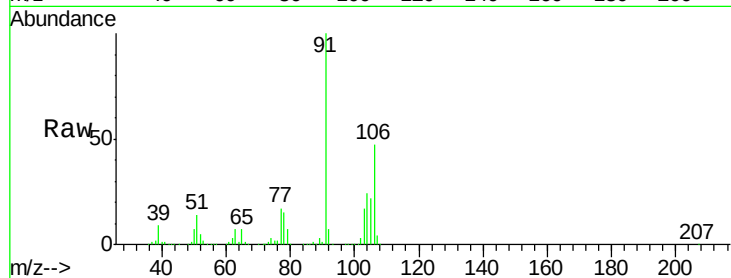
91 213.2 106.6 319.8

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#70

Styrene

Concen: 20.071 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

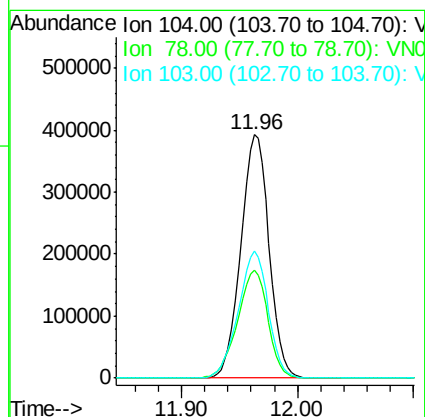
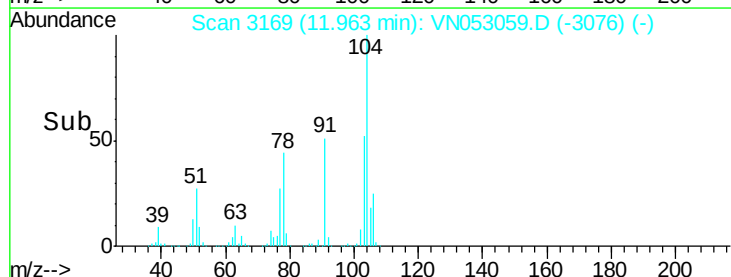
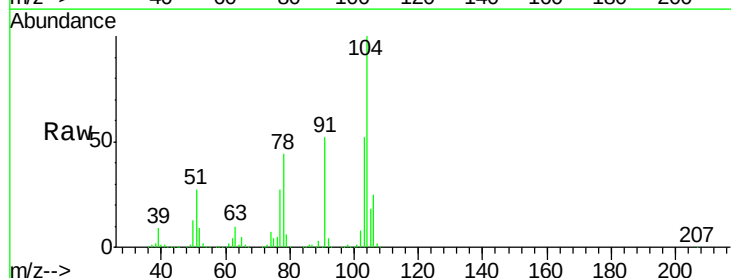
Tgt Ion:104 Resp: 661394

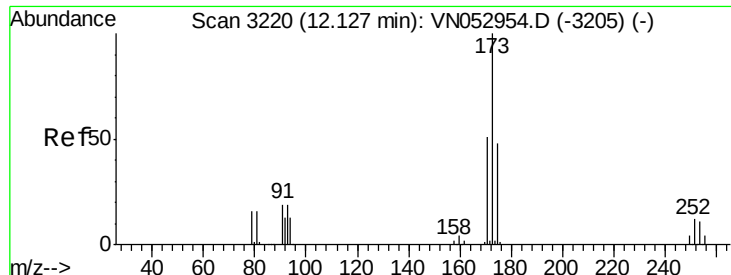
Ion Ratio Lower Upper

104 100

78 48.0 38.9 58.3

103 55.5 44.3 66.5





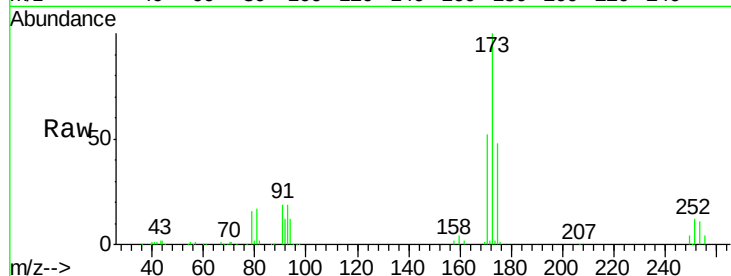
#71
Bromoform
Concen: 18.353 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

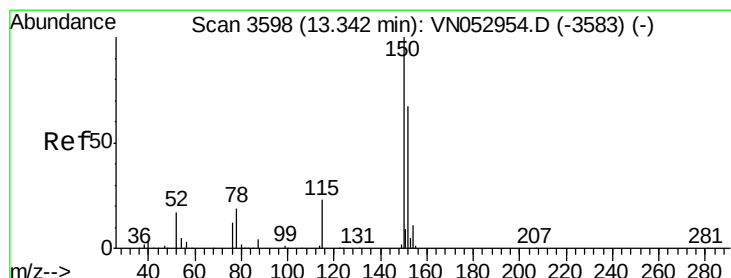
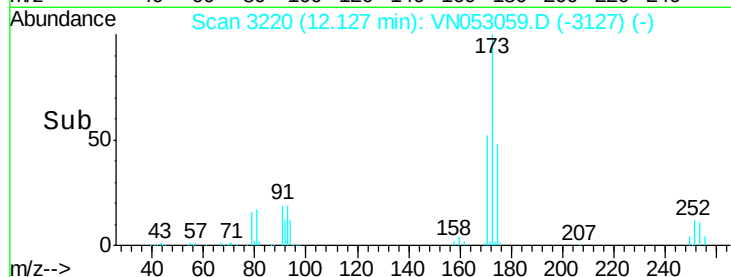
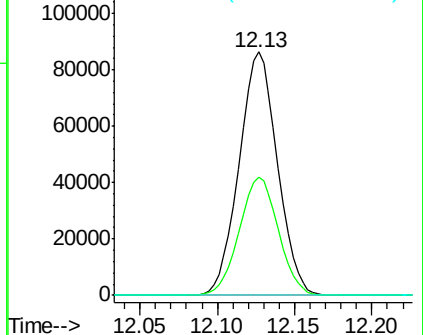
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.3	72.9
254	0.0	0.1	0.1#

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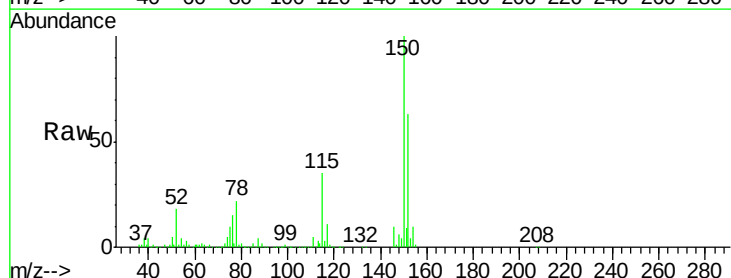


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

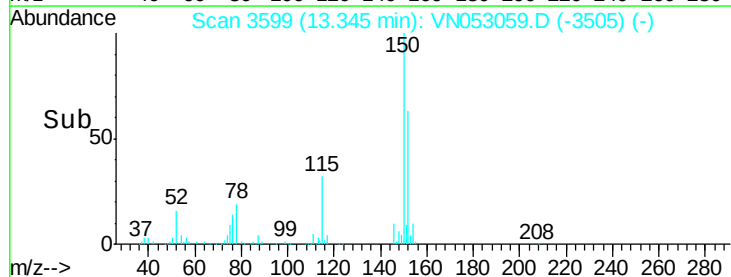
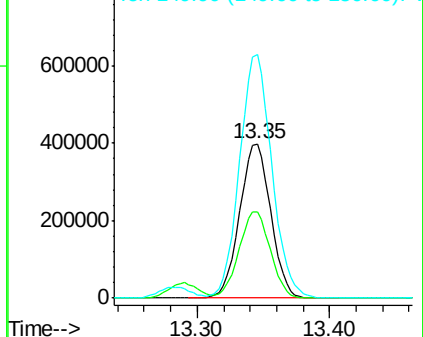


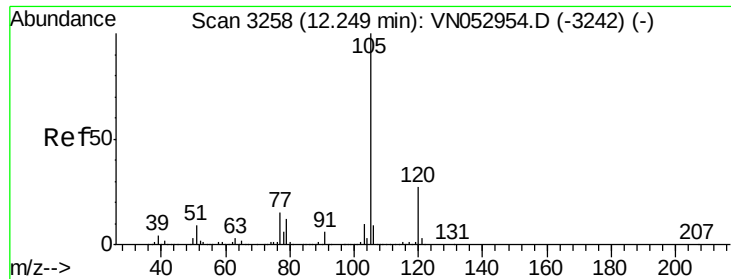
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.3	85.0
150	164.5	0.0	347.8



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





#73

Isopropylbenzene

Concen: 21.256 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 105 Resp: 1076778

Ion Ratio Lower Upper

105 100

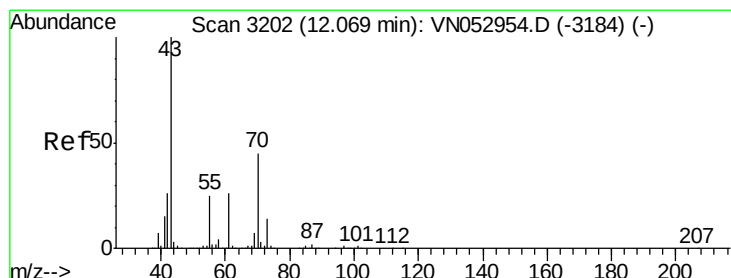
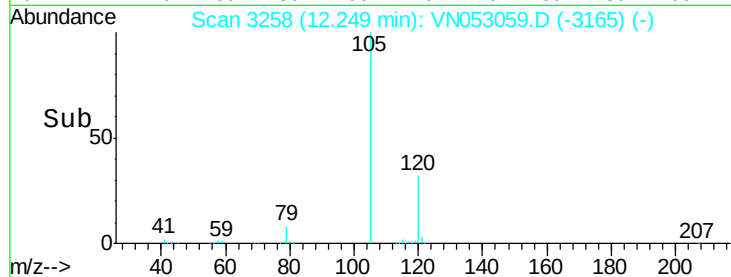
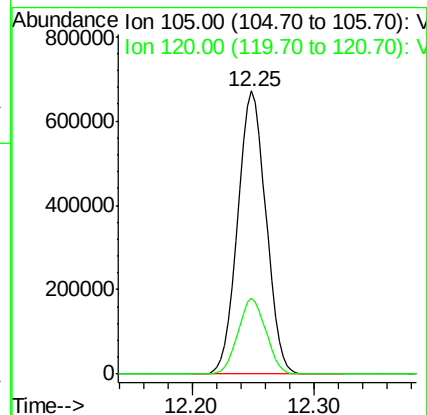
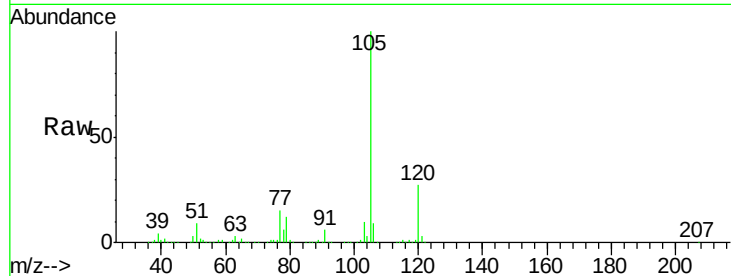
120 26.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 21.762 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion: 43 Resp: 306067

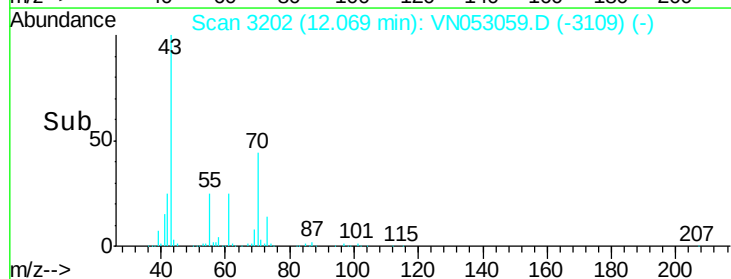
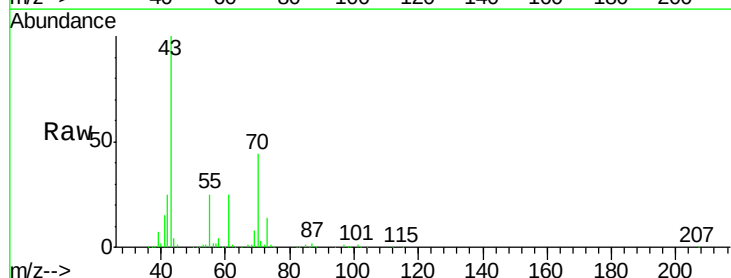
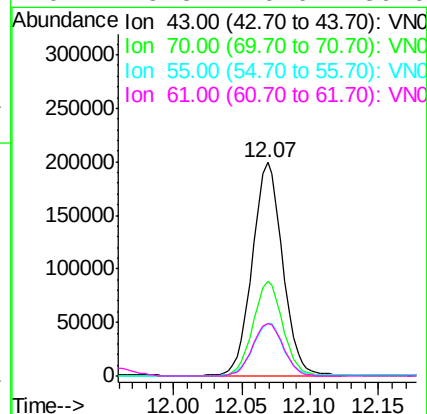
Ion Ratio Lower Upper

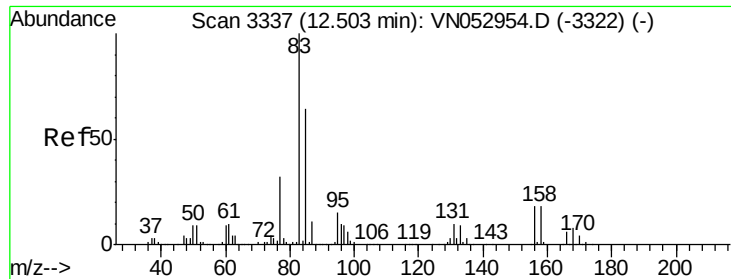
43 100

70 44.2 34.2 51.4

55 25.6 20.3 30.5

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.295 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

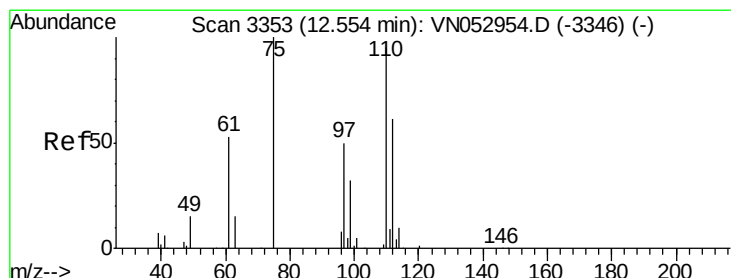
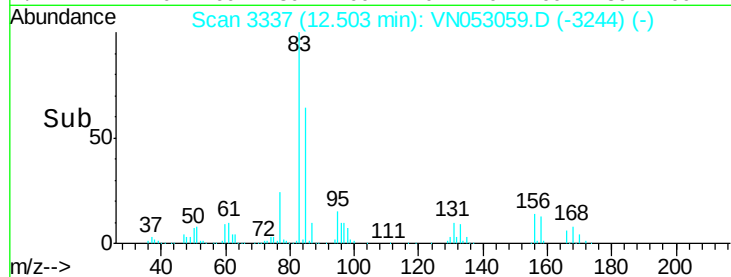
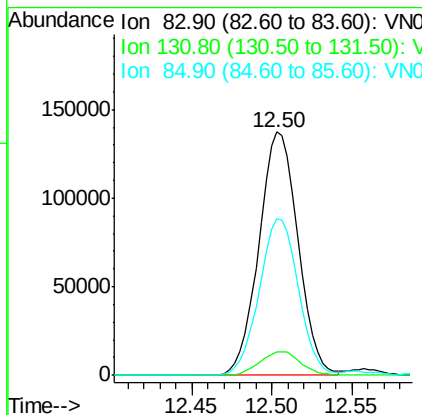
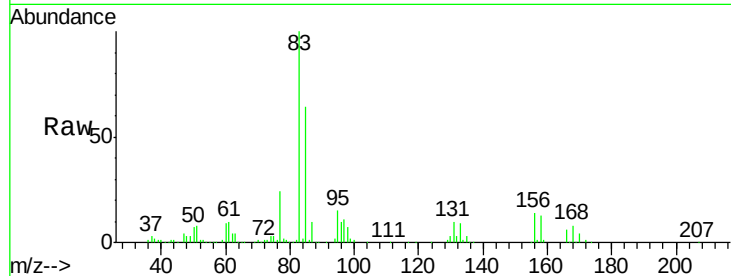
ClientSampleId :

VN1220MBS02

Tgt Ion:	83	Resp:	231511
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.7	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 19.120 ug/l m

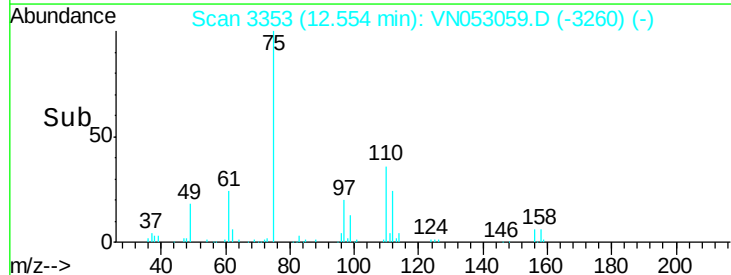
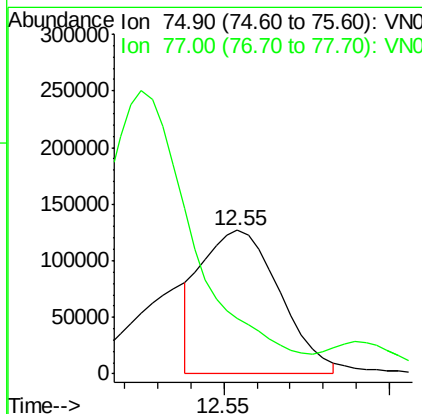
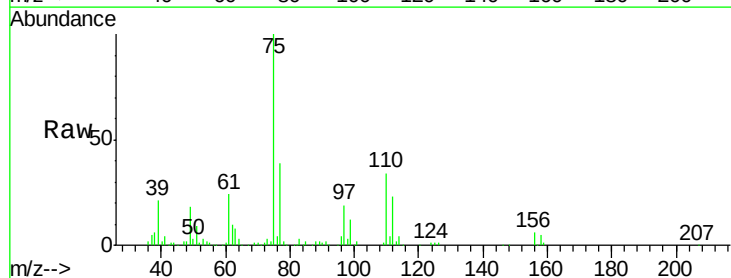
RT: 12.55 min Scan# 3353

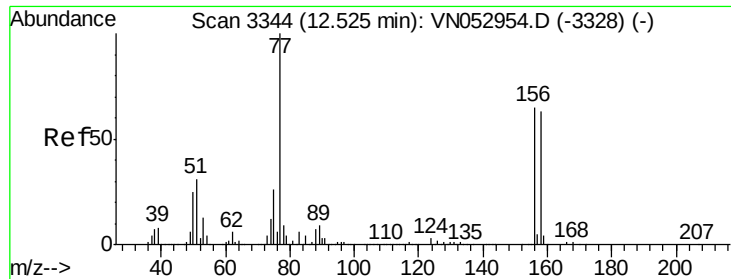
Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion:	75	Resp:	208399
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.948 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

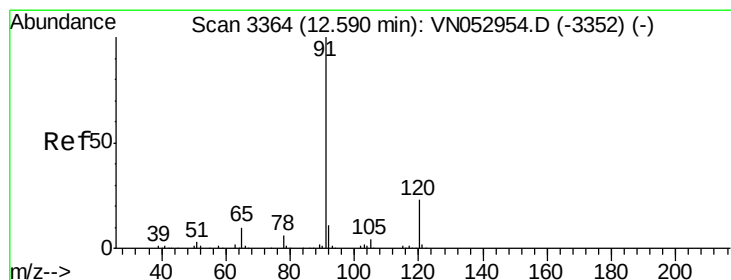
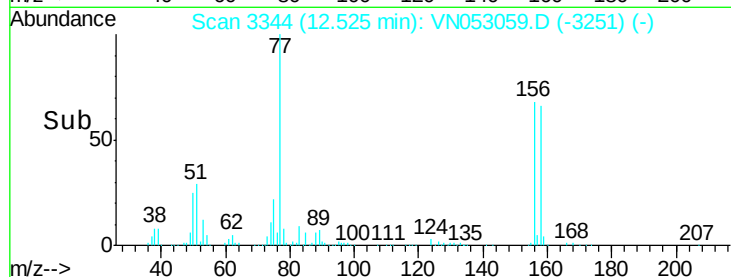
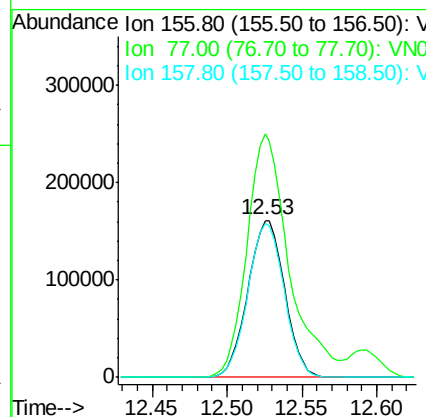
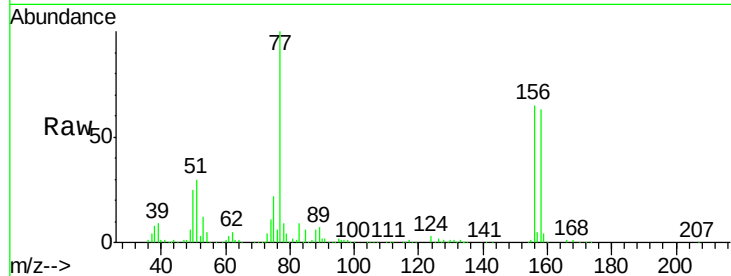
ClientSampleId :

VN1220MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	275849		
77	178.3	91.3	273.8	
158	97.0	49.0	147.2	

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#78

n-propylbenzene

Concen: 20.662 ug/l

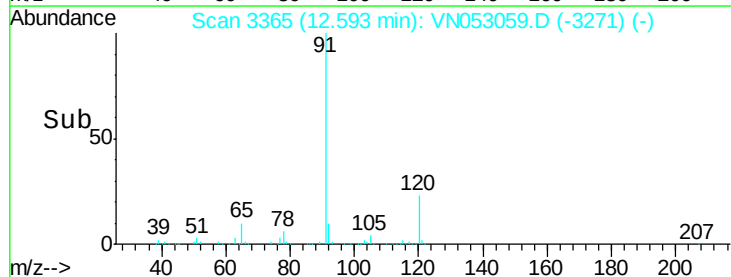
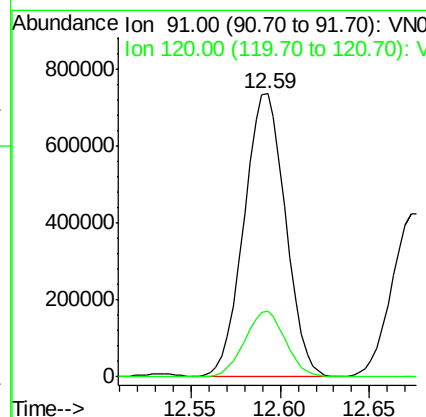
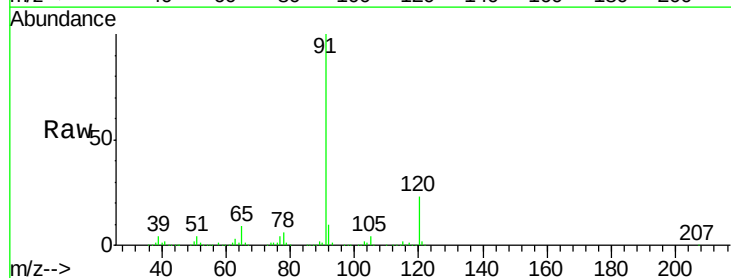
RT: 12.59 min Scan# 3365

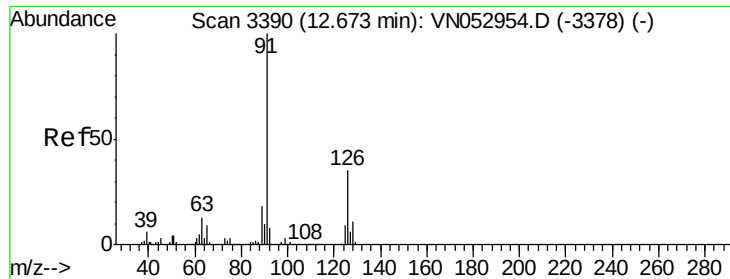
Delta R.T. 0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1192113		
120	22.9	11.5	34.5	





#79

2-Chlorotoluene

Concen: 20.003 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS02

Tgt Ion: 91 Resp: 715339

Ion Ratio Lower Upper

91 100

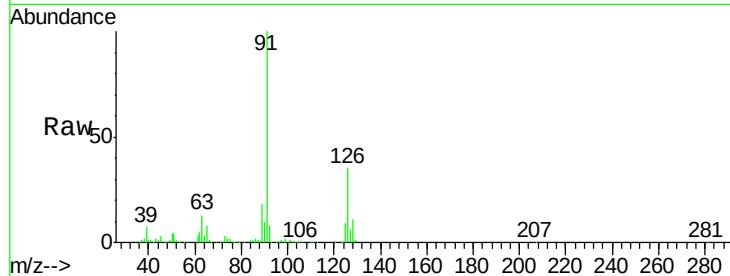
126 34.9 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)

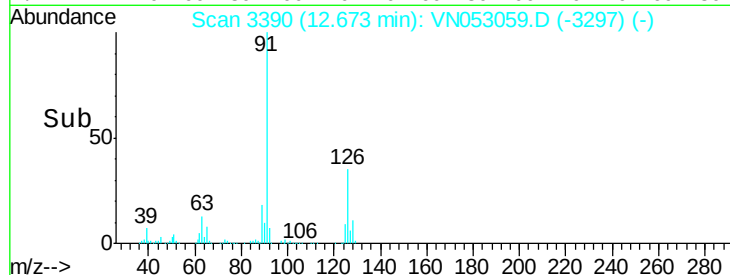
600000

400000

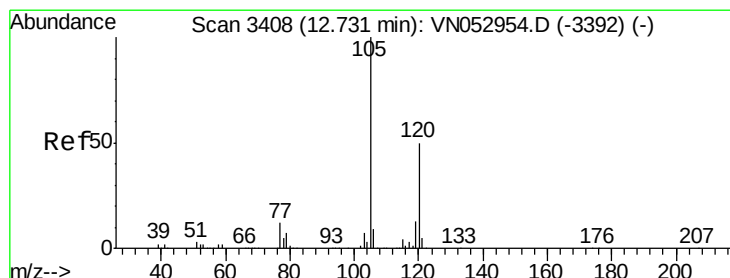
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.574 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053059.D

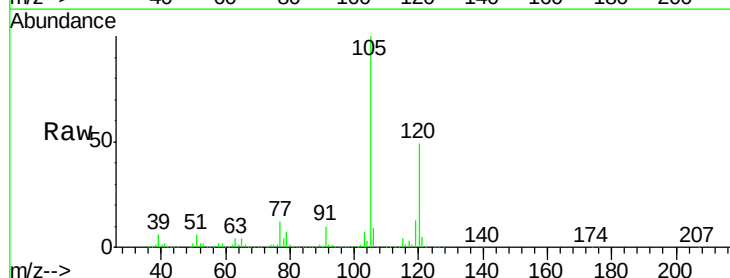
Acq: 20 Dec 2018 16:21

Tgt Ion: 105 Resp: 849523

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)

600000

500000

400000

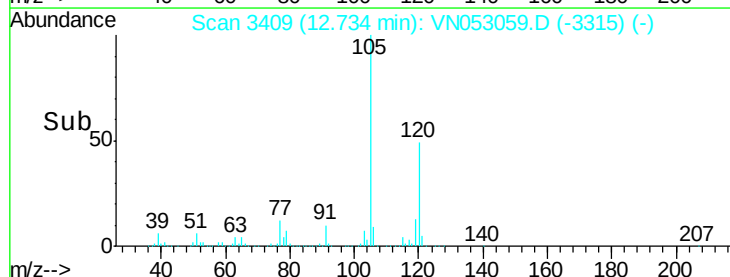
300000

200000

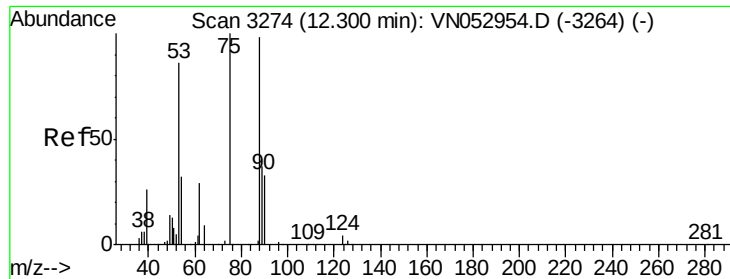
100000

0

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 18.752 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Instrument :

MSVOA_N

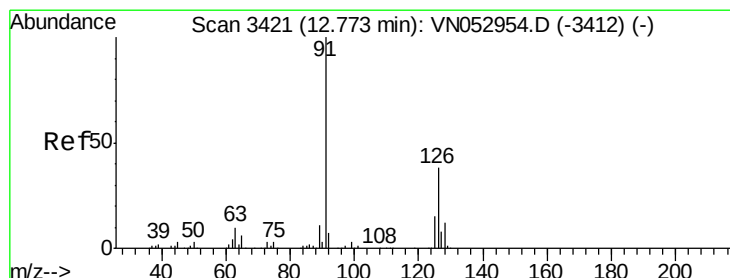
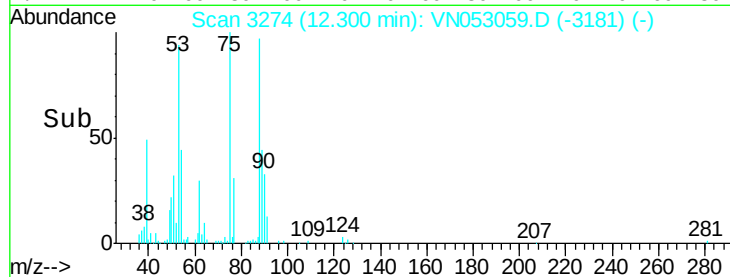
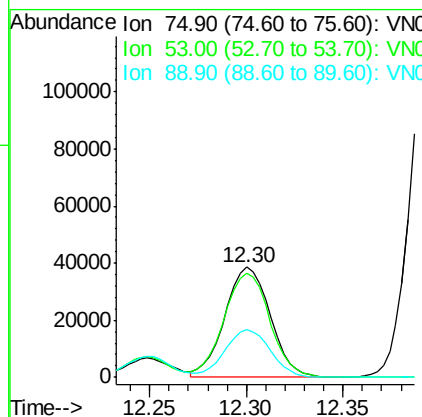
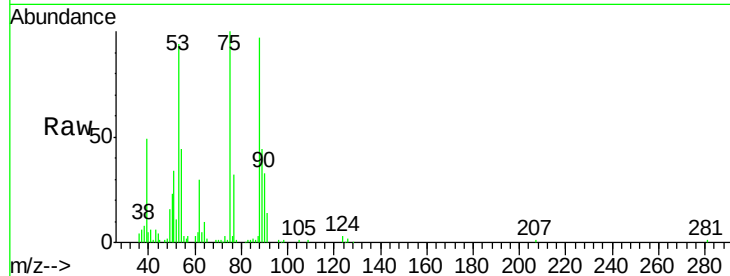
ClientSampleId :

VN1220MBS02

Tgt Ion:	75	Resp:	63413
Ion	Ratio	Lower	Upper
75	100		
53	96.5	74.7	112.1
89	43.5	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.575 ug/l

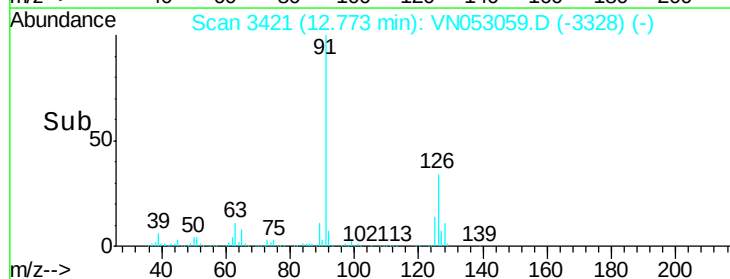
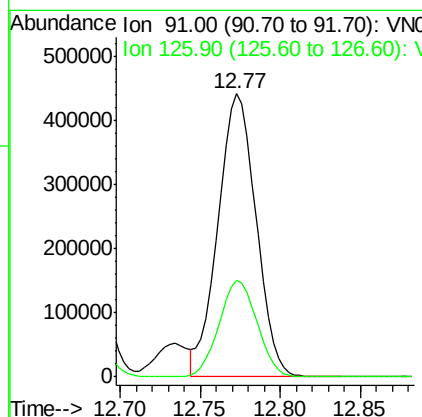
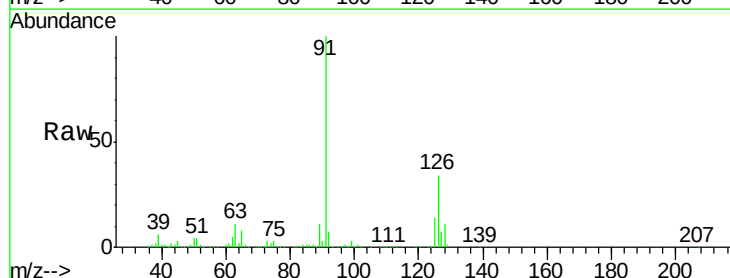
RT: 12.77 min Scan# 3421

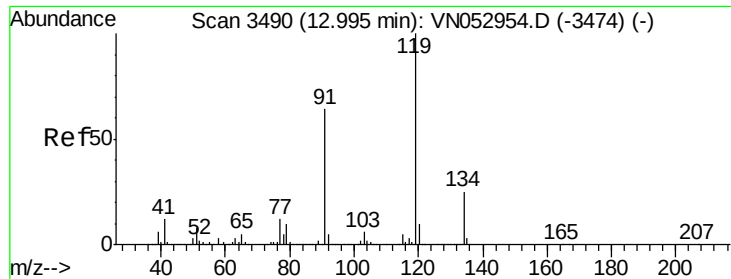
Delta R.T. -0.00 min

Lab File: VN053059.D

Acq: 20 Dec 2018 16:21

Tgt Ion:	91	Resp:	720284
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	51.7





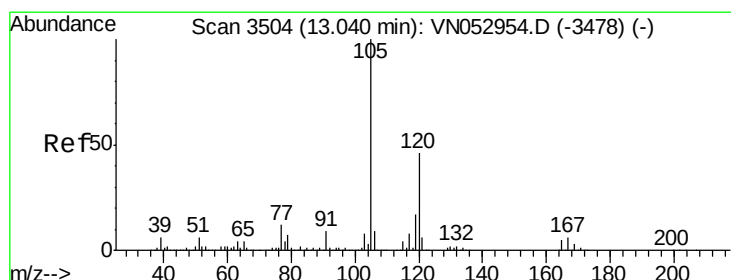
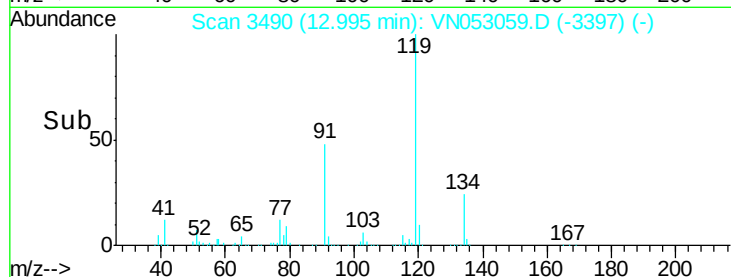
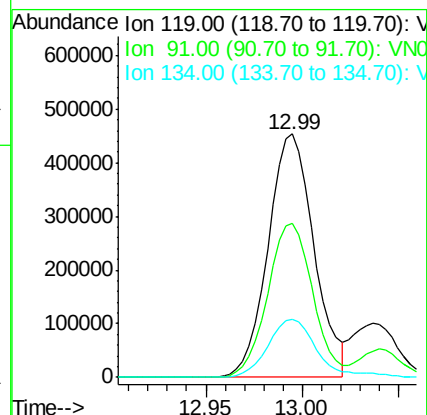
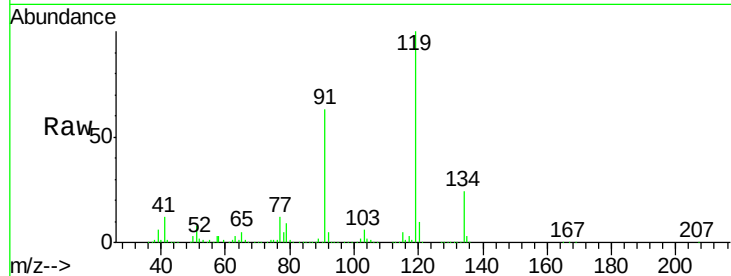
#83
 tert-Butylbenzene
 Concen: 20.467 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.9	95.5
134	25.6	12.8	38.4

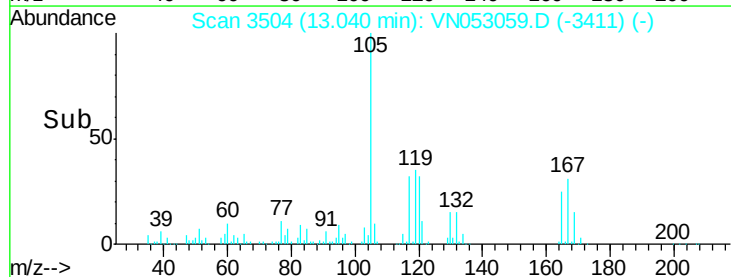
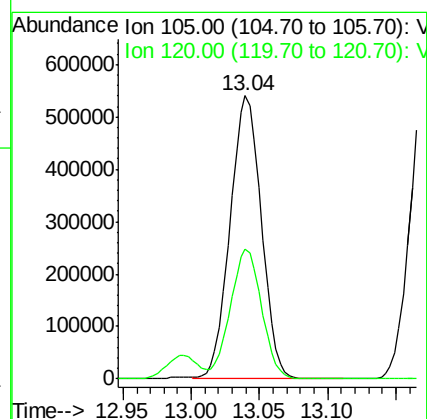
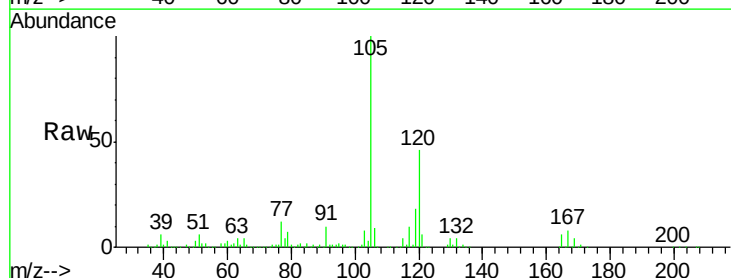
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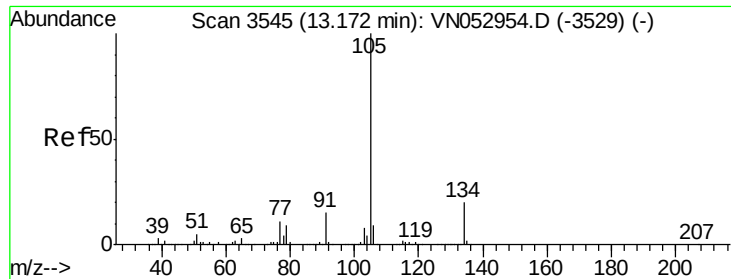
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.730 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.8





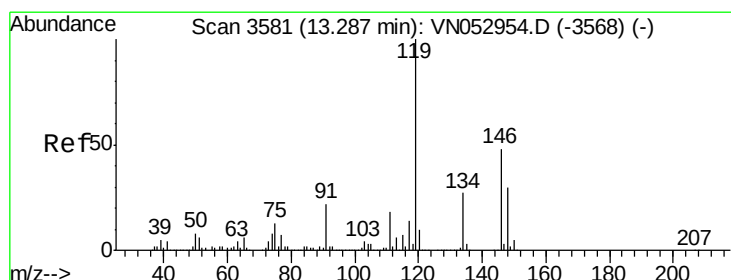
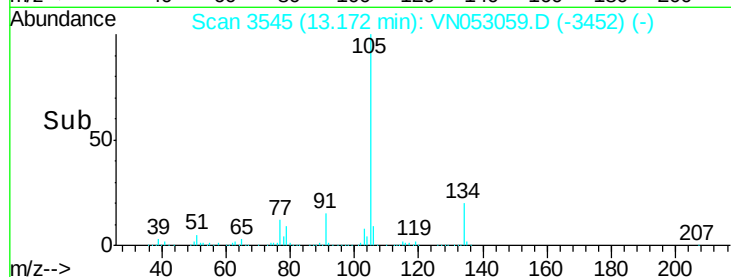
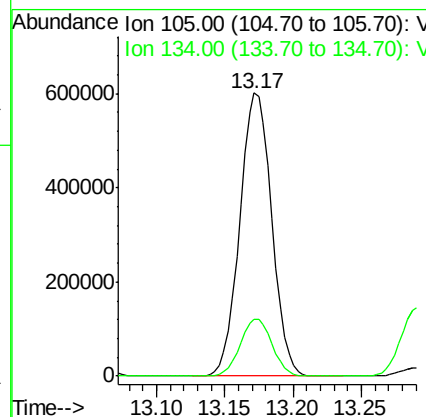
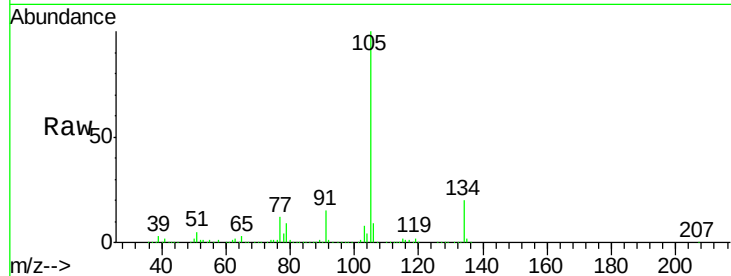
#85
 sec-Butylbenzene
 Concen: 19.772 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.3

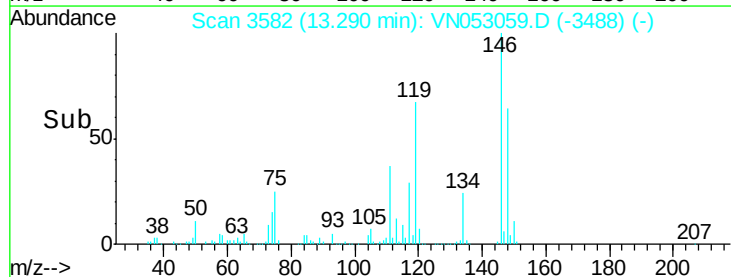
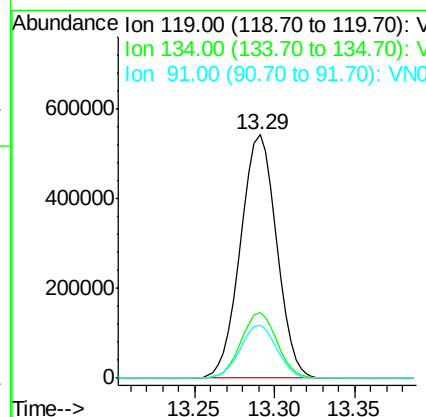
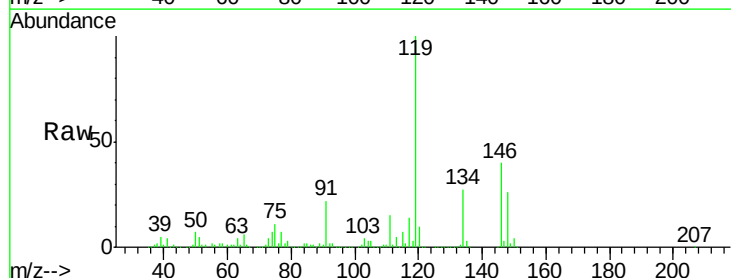
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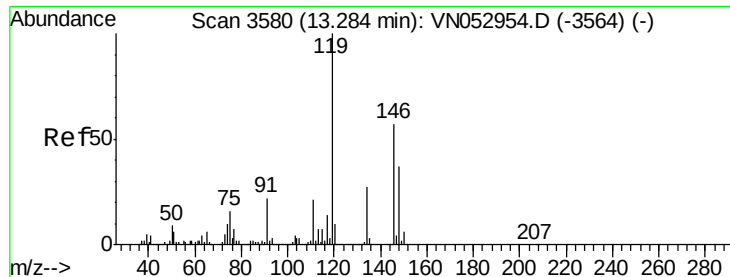
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 19.476 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	21.9	11.1	33.3





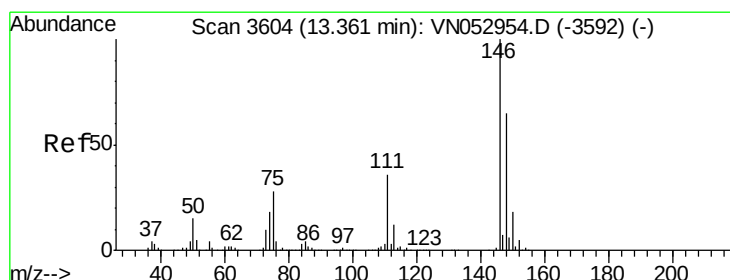
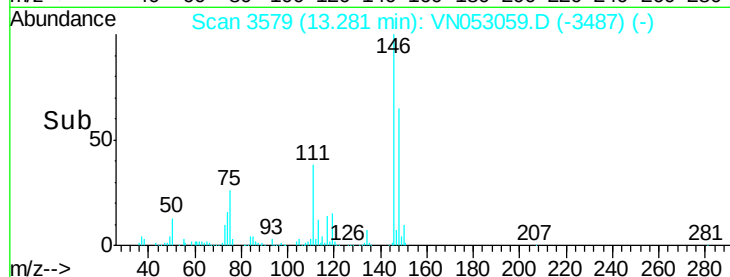
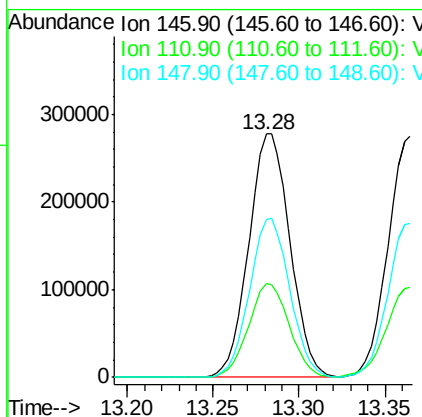
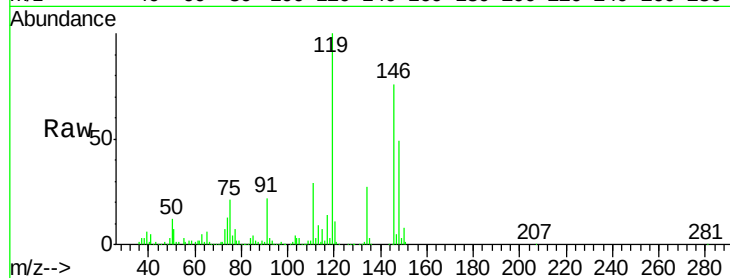
#87
 1,3-Dichlorobenzene
 Concen: 19.824 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	63.8	32.0	96.0

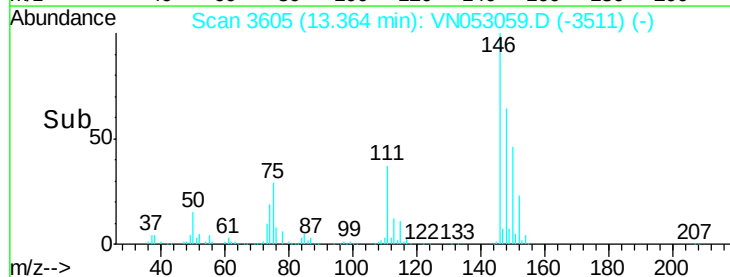
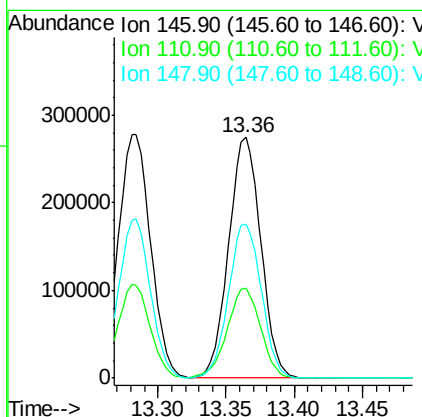
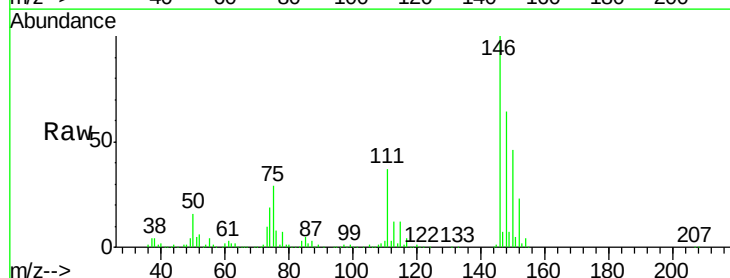
Manual Integrations
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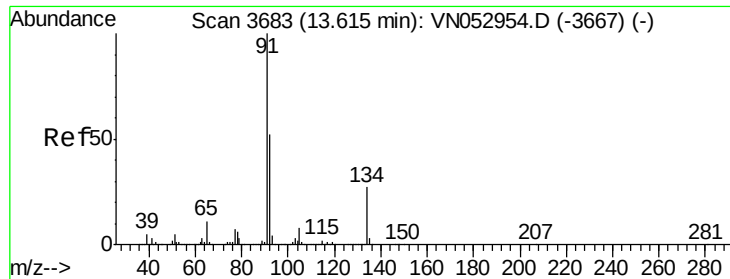
MMDadoda
 12/27/2018 12:38:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.102 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	55.8
148	65.0	32.1	96.5





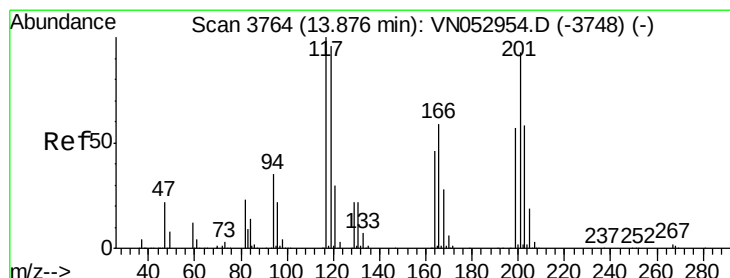
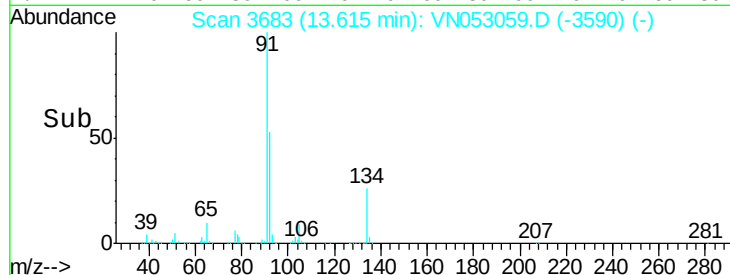
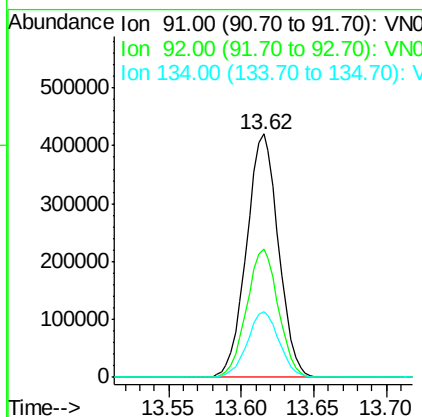
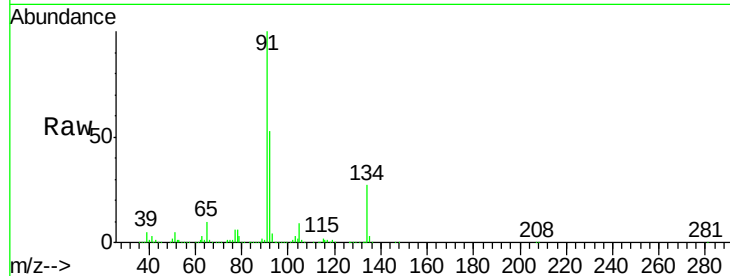
#89
n-Butylbenzene
Concen: 17.530 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	26.9	13.3	39.8

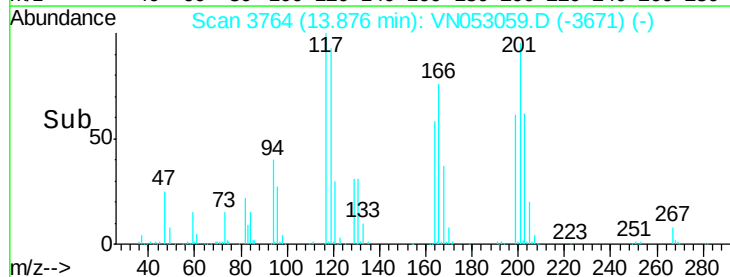
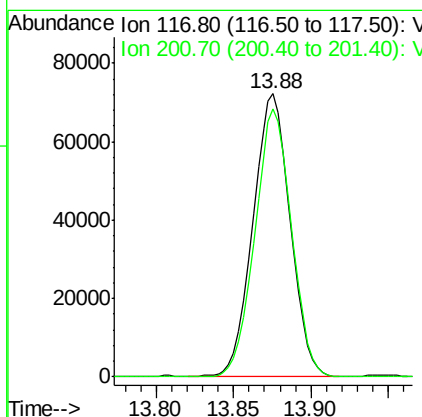
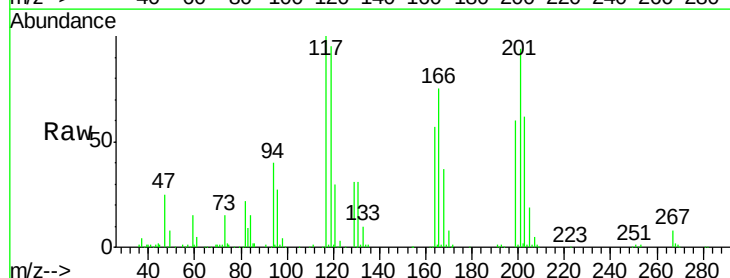
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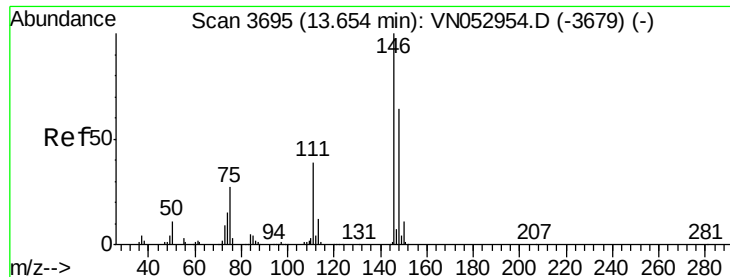
MMDadoda
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#90
Hexachloroethane
Concen: 18.493 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.0	45.7	137.1





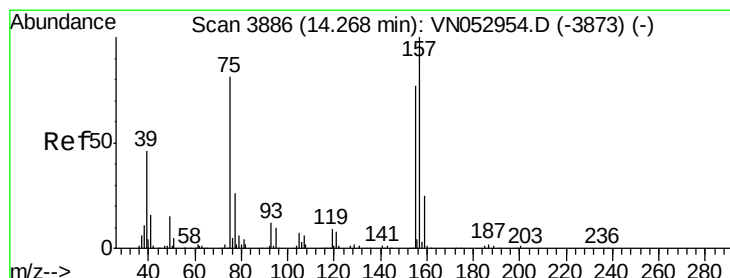
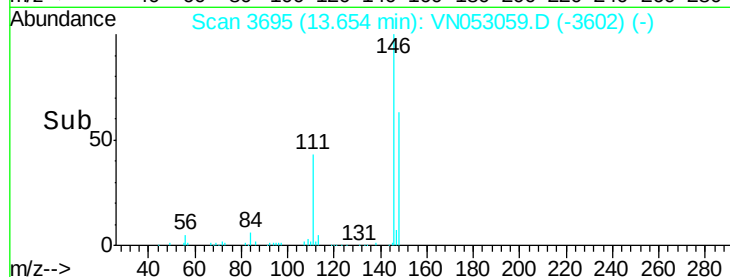
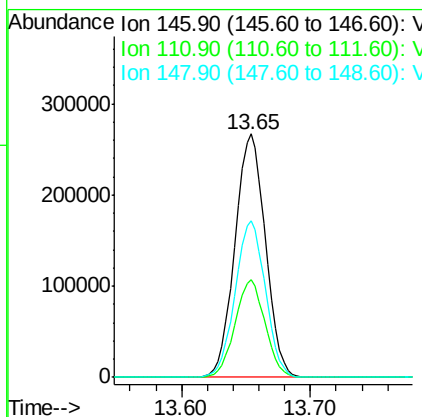
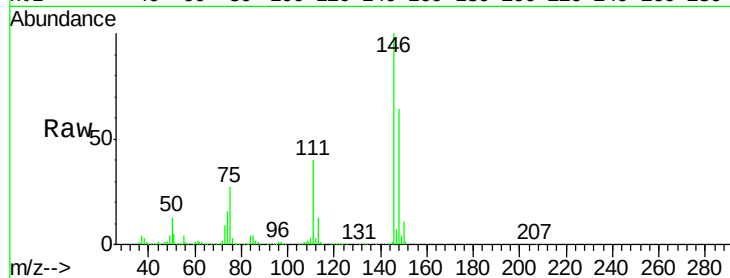
#91
 1,2-Dichlorobenzene
 Concen: 19.966 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	63.7	32.0	96.0

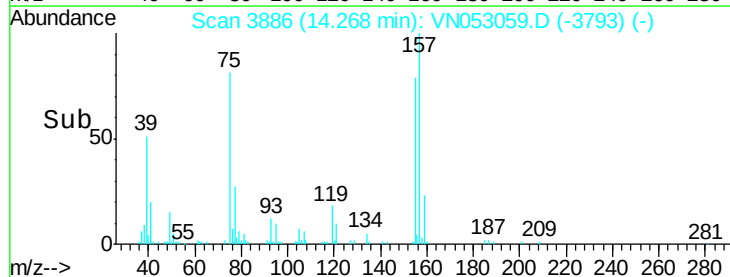
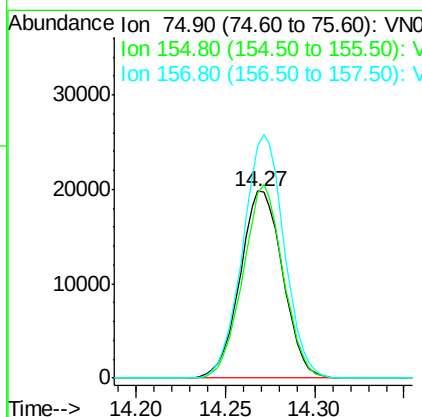
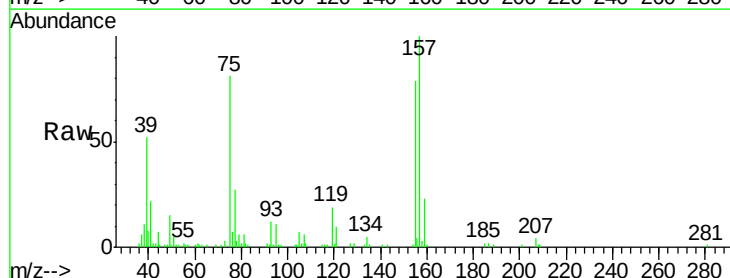
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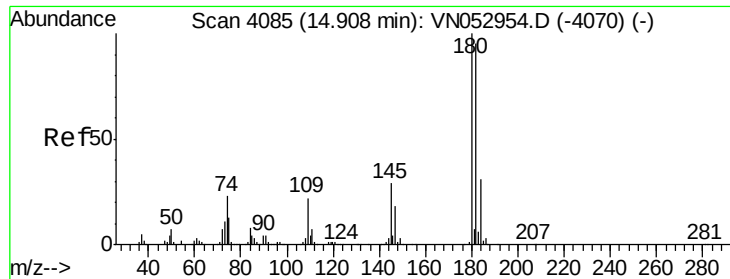
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.245 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.2	144.6
157	126.1	61.2	183.5





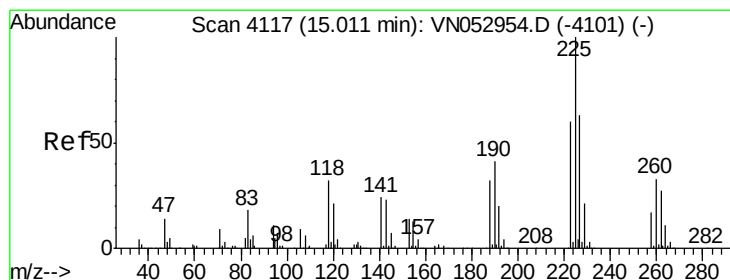
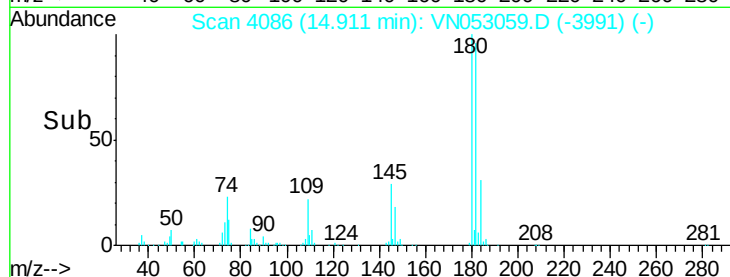
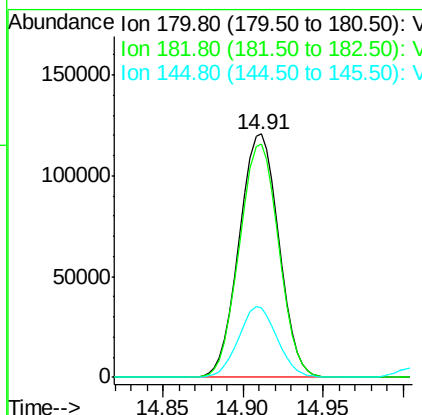
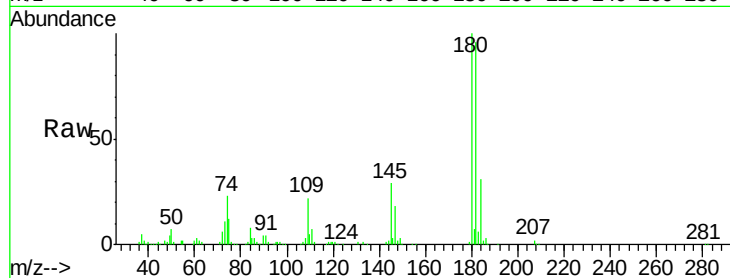
#93
 1,2,4-Trichlorobenzene
 Concen: 17.968 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	204320		
182	95.1	47.8	143.3	
145	28.3	14.2	42.6	

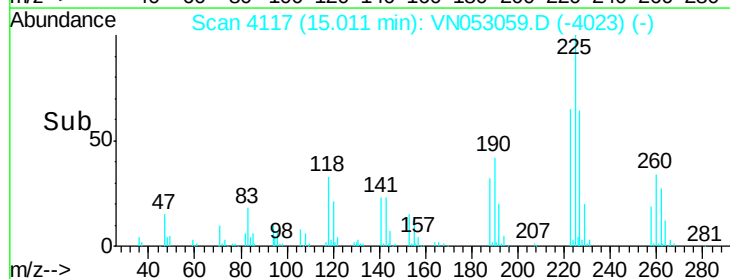
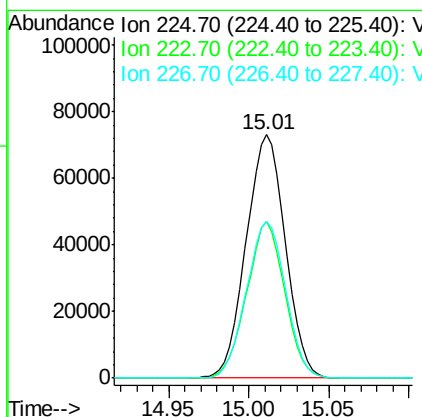
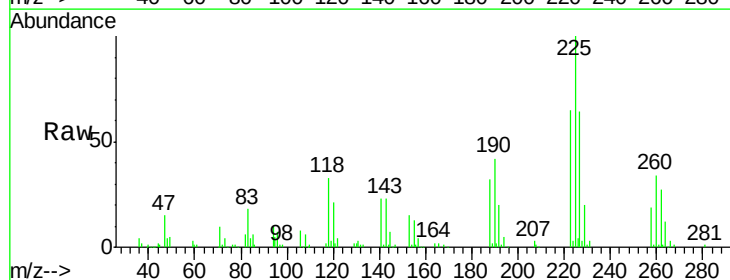
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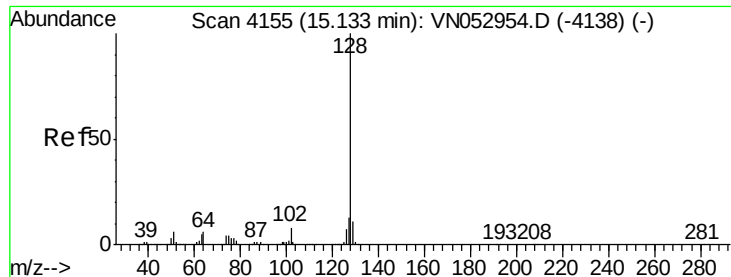
MMDadoda
 12/27/2018 12:38:37 PM



#94
 Hexachlorobutadiene
 Concen: 18.595 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053059.D
 Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122741		
223	62.3	31.5	94.5	
227	64.3	31.9	95.7	





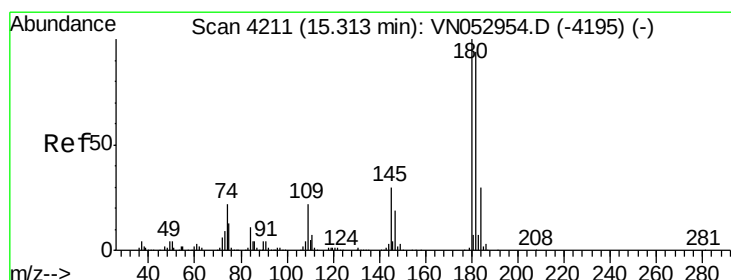
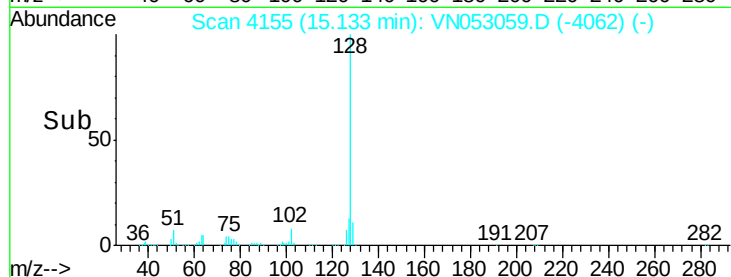
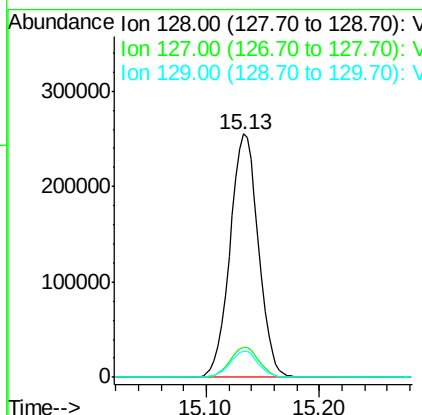
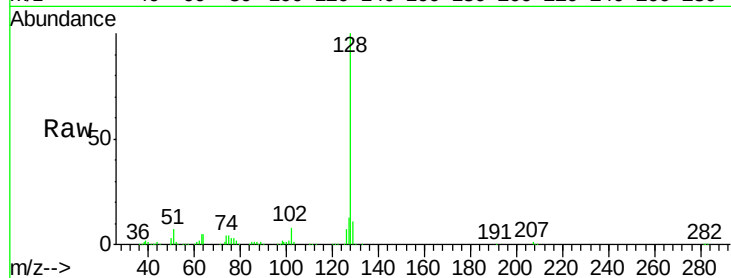
#95
Naphthalene
Concen: 18.195 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	444177		
127	12.8	10.2	15.4	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
12/27/2018 12:38:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.013 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053059.D
Acq: 20 Dec 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	185065		
182	96.2	47.9	143.7	
145	30.0	15.0	45.0	

