

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053103.D
 Acq On : 21 Dec 2018 15:45
 Operator : MD\SY
 Sample : VN1221MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 10:06:42 AM

Quant Time: Dec 21 17:35:37 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	1018135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1552861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1382882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	658805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	480251	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	7.59	113	377111	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.09	98	1691649	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	
62) 4-Bromofluorobenzene	12.40	95	595980	44.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	192131	18.646	ug/l	99
3) Chloromethane	2.06	50	237925	19.054	ug/l	99
4) Vinyl Chloride	2.19	62	239052	18.903	ug/l	100
5) Bromomethane	2.58	94	151906	17.338	ug/l	99
6) Chloroethane	2.71	64	142293	18.999	ug/l	99
7) Trichlorofluoromethane	3.02	101	307479	19.518	ug/l	99
8) Diethyl Ether	3.42	74	123614	20.799	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	198585	19.771	ug/l	99
10) Methyl Iodide	3.96	142	249516	17.689	ug/l	100
11) Tert butyl alcohol	4.78	59	79558	126.197	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	189961	19.575	ug/l	98
13) Acrolein	3.61	56	62133	108.694	ug/l	98
14) Allyl chloride	4.33	41	316008	21.023	ug/l	95
15) Acrylonitrile	4.99	53	403174	115.116	ug/l	100
16) Acetone	3.82	43	236742	116.863	ug/l	97
17) Carbon Disulfide	4.06	76	510849	16.142	ug/l	100
18) Methyl Acetate	4.33	43	212418	23.636	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	570178	21.956	ug/l	100
20) Methylene Chloride	4.56	84	218808	19.801	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	201201	19.298	ug/l	98
22) Diisopropyl ether	5.96	45	678784	21.156	ug/l	98
23) Vinyl Acetate	5.90	43	2061967	111.761	ug/l	98
24) 1,1-Dichloroethane	5.85	63	386281	20.261	ug/l	98
25) 2-Butanone	6.84	43	428443	126.020	ug/l	100
26) 2,2-Dichloropropane	6.83	77	287893	19.781	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	235467	19.949	ug/l	99
28) Bromochloromethane	7.20	49	170077	20.587	ug/l	96
29) Tetrahydrofuran	7.21	42	309178	121.762	ug/l	99
30) Chloroform	7.37	83	376707	20.113	ug/l	99
31) Cyclohexane	7.66	56	358597	19.411	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	314214	19.694	ug/l	100
36) 1,1-Dichloropropene	7.80	75	285826	19.177	ug/l	99
37) Ethyl Acetate	6.93	43	203733	24.485	ug/l	99
38) Carbon Tetrachloride	7.78	117	260434	19.063	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	339105	18.729	ug/l	99
40) Benzene	8.04	78	890545	20.087	ug/l	99
41) Methacrylonitrile	7.18	41	104119	21.657	ug/l	97
42) 1,2-Dichloroethane	8.13	62	269686	20.591	ug/l	98
43) Isopropyl Acetate	8.17	43	373120	22.600	ug/l	99
44) Trichloroethene	8.84	130	242069	18.878	ug/l	96
45) 1,2-Dichloropropane	9.12	63	237299	20.549	ug/l	99
46) Dibromomethane	9.21	93	140528	20.890	ug/l	99
47) Bromodichloromethane	9.40	83	282856	19.781	ug/l	99
48) Methyl methacrylate	9.20	41	178466	22.104	ug/l	98
49) 1,4-Dioxane	9.20	88	46134	451.705	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	987893	122.600	ug/l	100
52) Toluene	10.16	92	551828	20.081	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	292696	19.466	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	342317	19.834	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	203970	21.276	ug/l	99
56) Ethyl methacrylate	10.43	69	279034	21.990	ug/l	97
57) 1,3-Dichloropropane	10.71	76	348250	21.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	786316	112.876	ug/l	99
59) 2-Hexanone	10.75	43	679472	124.633	ug/l	99
60) Dibromochloromethane	10.90	129	216392	19.719	ug/l	100
61) 1,2-Dibromoethane	11.01	107	204283	20.982	ug/l	100
64) Tetrachloroethene	10.63	164	259465	17.321	ug/l	98
65) Chlorobenzene	11.44	112	614291	20.039	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	211586	19.849	ug/l	99
67) Ethyl Benzene	11.51	91	1059252	20.093	ug/l	100
68) m/p-Xylenes	11.62	106	851723	42.499	ug/l	99
69) o-Xylene	11.95	106	392870	20.429	ug/l	99
70) Styrene	11.97	104	639953	20.408	ug/l	99
71) Bromoform	12.13	173	152275	19.773	ug/l #	99
73) Isopropylbenzene	12.25	105	1038873	20.154	ug/l	99
74) N-amyl acetate	12.07	43	323290	22.590	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	247877	24.512	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	220949m	19.923	ug/l	
77) Bromobenzene	12.53	156	324297	24.203	ug/l	80
78) n-propylbenzene	12.59	91	1174172	20.001	ug/l	100
79) 2-Chlorotoluene	12.68	91	697414	19.166	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	837111	19.924	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	67398	19.588	ug/l	97
82) 4-Chlorotoluene	12.77	91	706564	19.835	ug/l	99
83) tert-Butylbenzene	12.99	119	727143	19.569	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	854535	20.232	ug/l	99
85) sec-Butylbenzene	13.17	105	973240	19.364	ug/l	100
86) p-Isopropyltoluene	13.29	119	844810	19.453	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	467286	19.705	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	469122	19.534	ug/l	99
89) n-Butylbenzene	13.62	91	678087	18.149	ug/l	99
90) Hexachloroethane	13.88	117	122634	18.401	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	449676	20.148	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38603	22.078	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	220834	19.049	ug/l	100
94) Hexachlorobutadiene	15.01	225	136426	20.594	ug/l	98
95) Naphthalene	15.13	128	534222	21.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	206597	19.713	ug/l	99

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

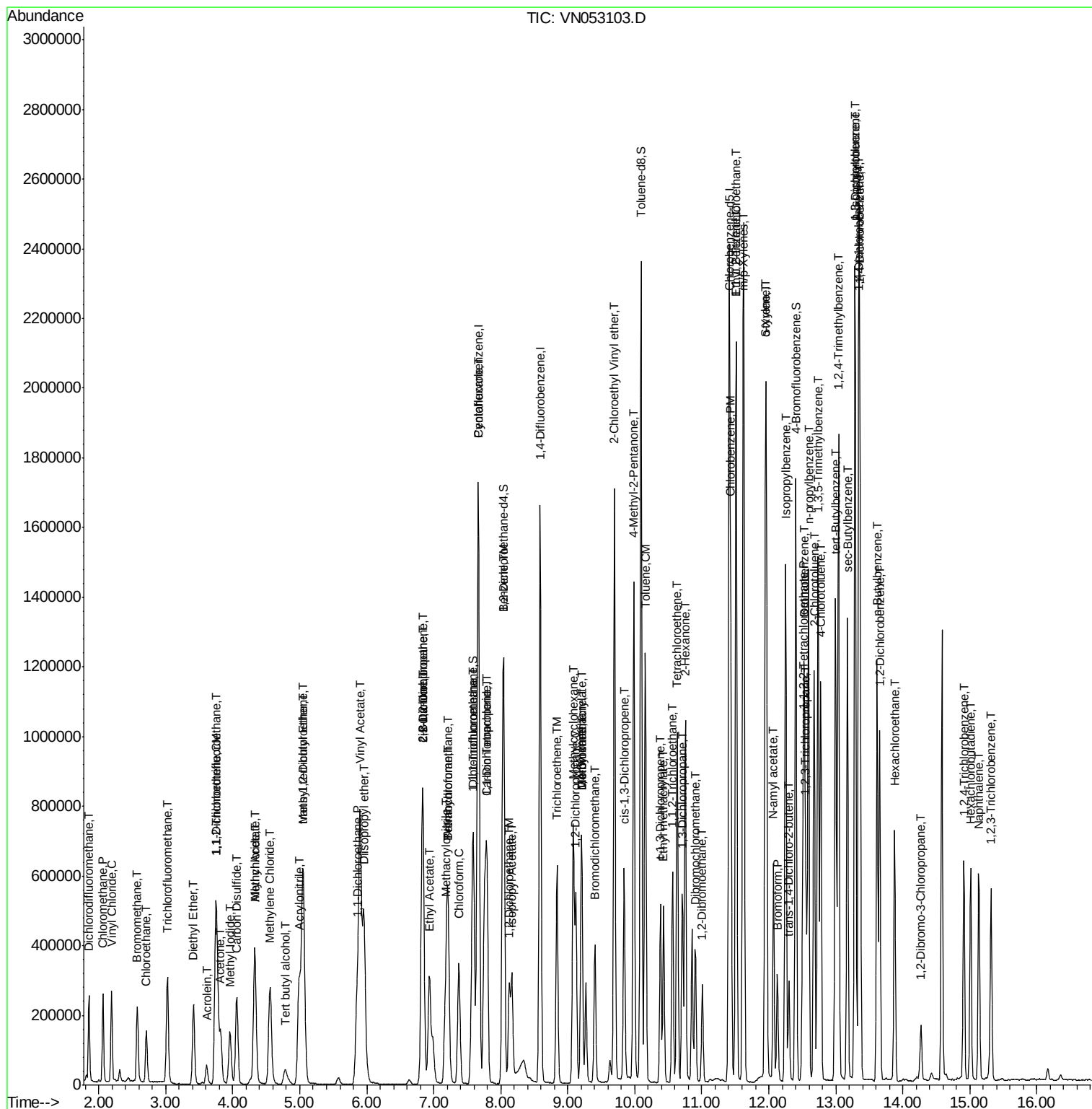
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Data File : VN053103.D
Acq On : 21 Dec 2018 15:45
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Sample : VN1221MBS02
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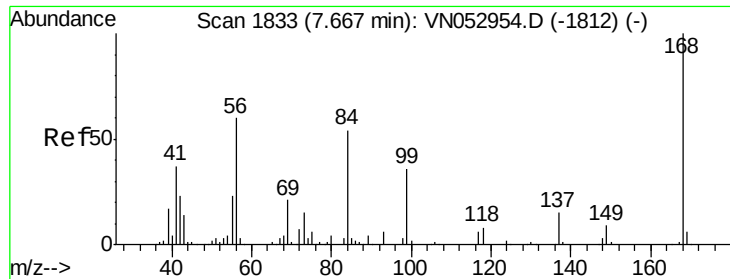
Instrument :
MSVOA_N
Client Sample Id :
VN1221MBS02

Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 168 Resp: 1018135

Ion Ratio Lower Upper

168 100

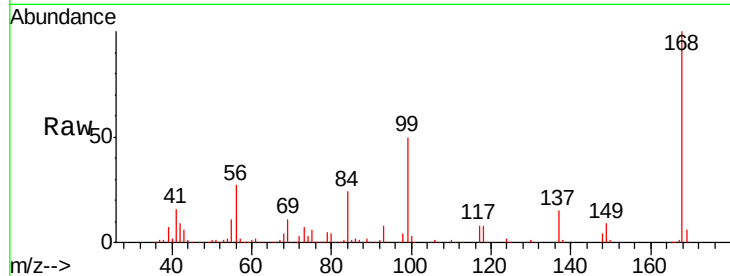
99 49.5 40.2 60.2

Manual Integrations

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12/22/2018 10:06:42 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

500000

400000

300000

200000

100000

0

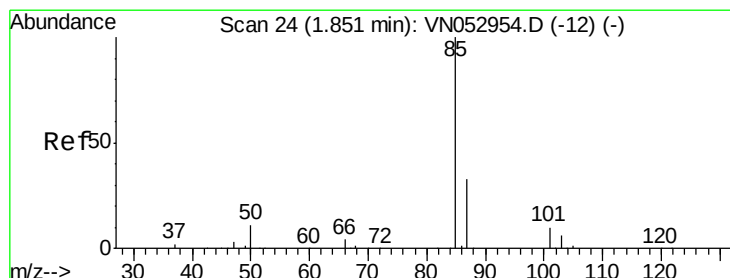
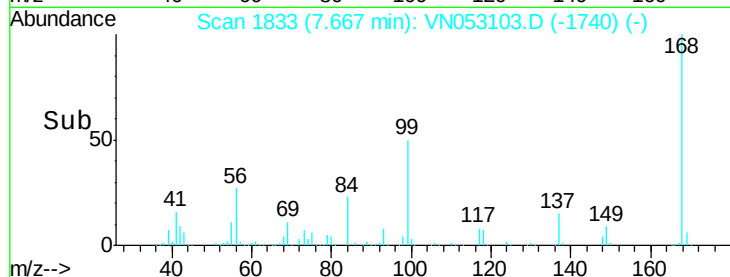
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.646 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053103.D

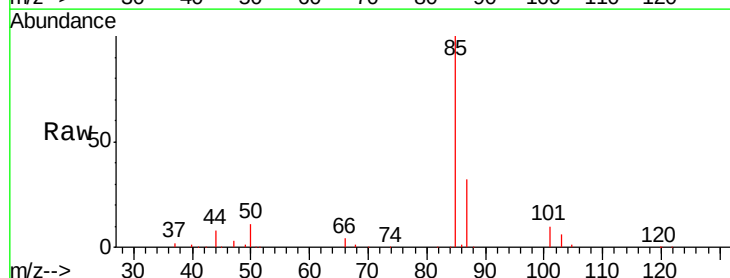
Acq: 21 Dec 2018 15:45

Tgt Ion: 85 Resp: 192131

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

150000

100000

50000

0

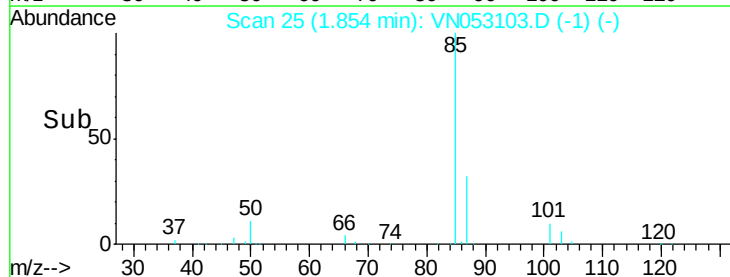
1.85

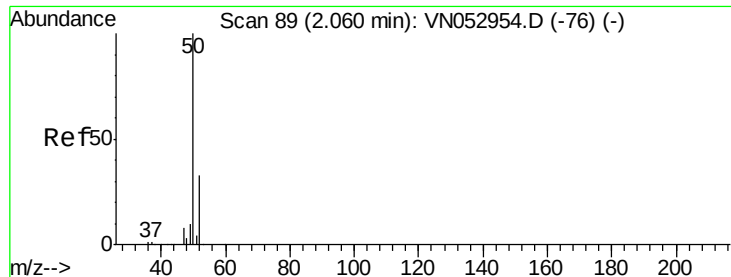
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.054 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 50 Resp: 237925

Ion Ratio Lower Upper

50 100

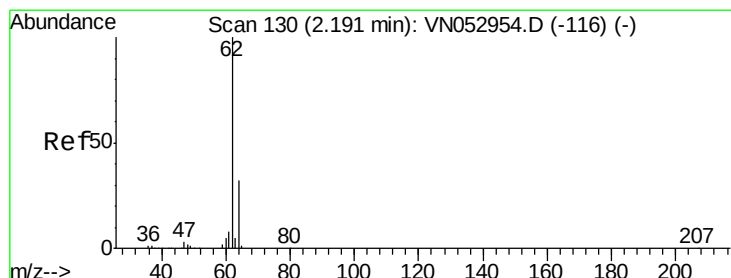
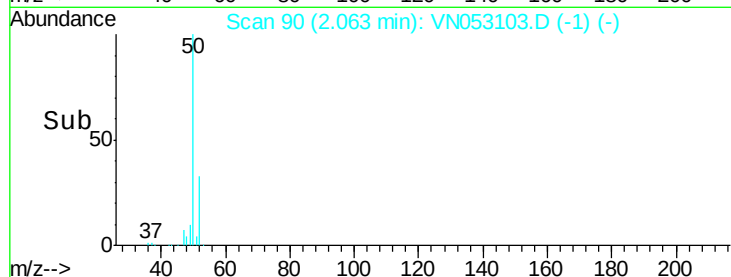
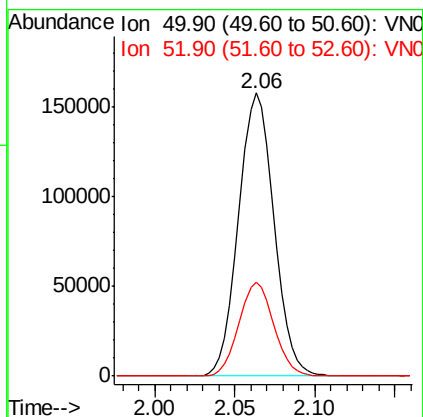
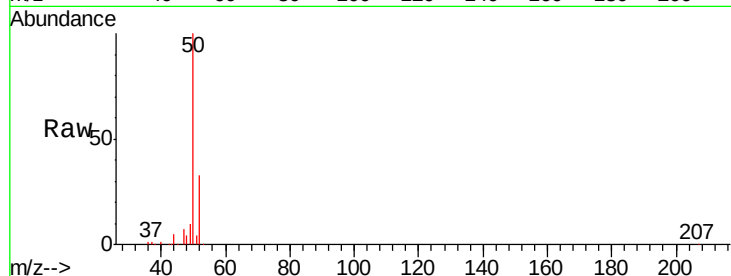
52 33.2 26.2 39.4

Manual Integrations

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12/22/2018 10:06:42 AM



#4

Vinyl Chloride

Concen: 18.903 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053103.D

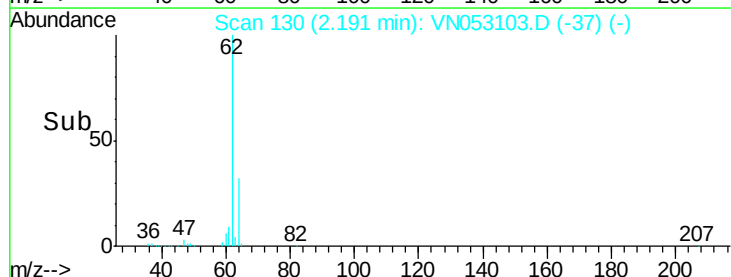
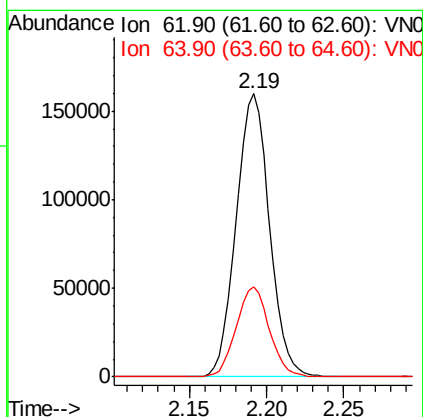
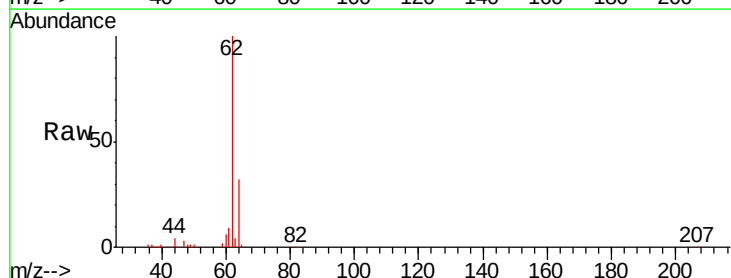
Acq: 21 Dec 2018 15:45

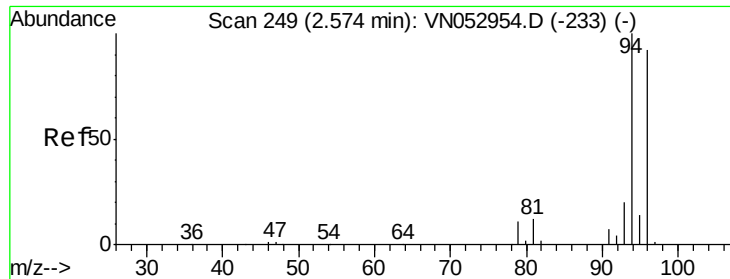
Tgt Ion: 62 Resp: 239052

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 17.338 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 94 Resp: 151906

Ion Ratio Lower Upper

94 100

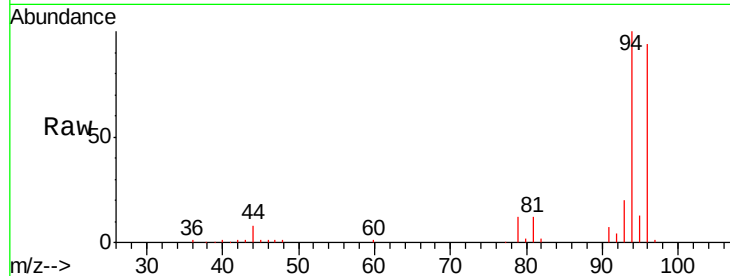
96 94.3 75.0 112.4

Manual Integrations

APPROVED

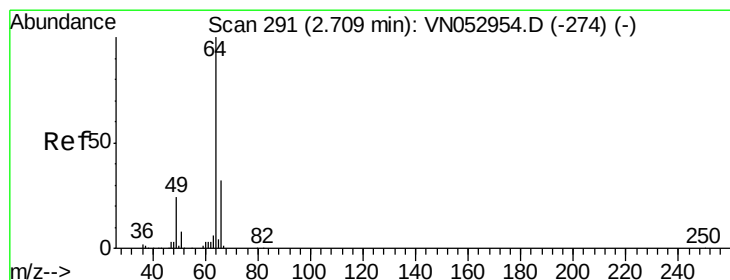
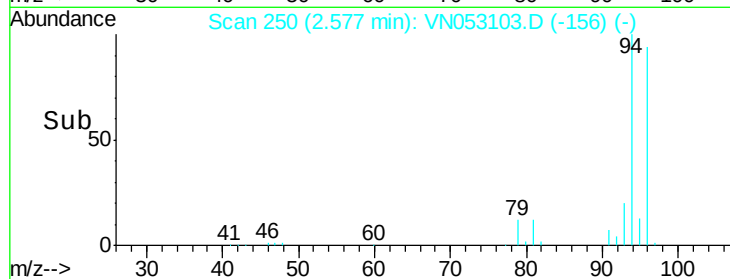
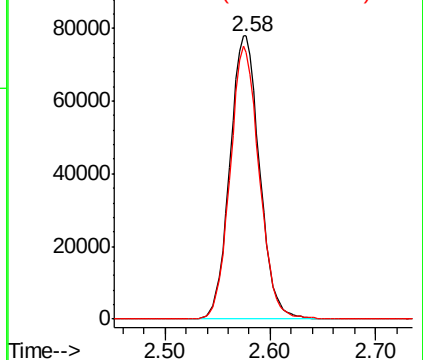
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.999 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053103.D

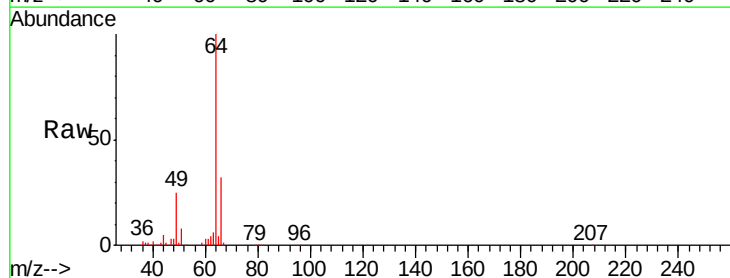
Acq: 21 Dec 2018 15:45

Tgt Ion: 64 Resp: 142293

Ion Ratio Lower Upper

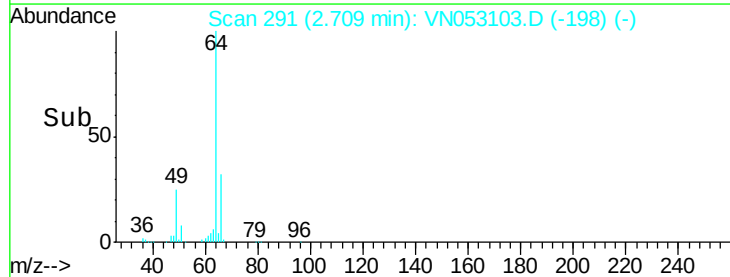
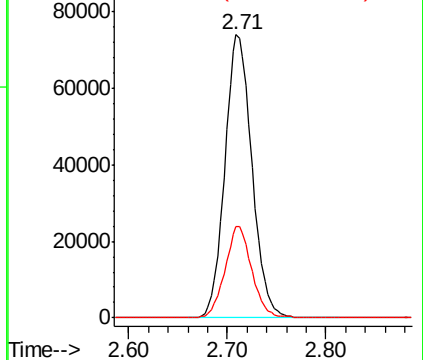
64 100

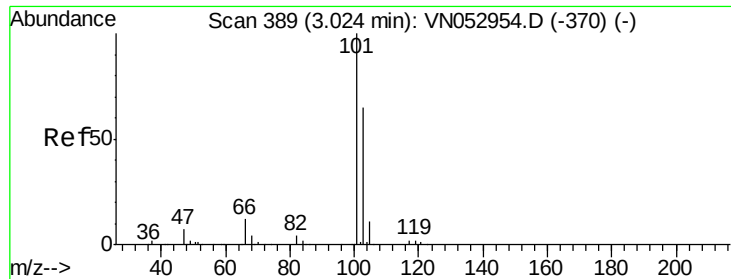
66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

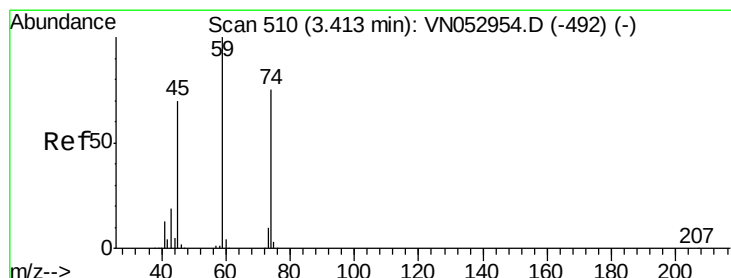
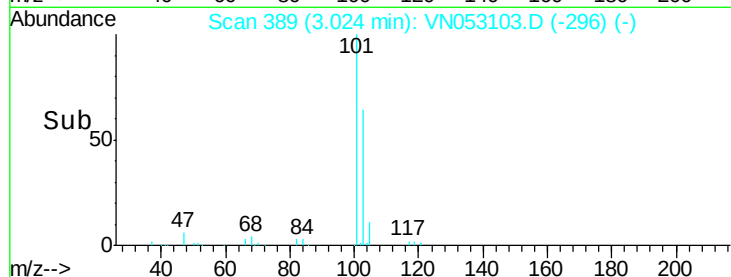
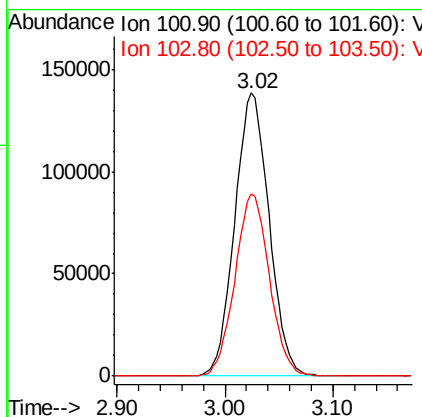
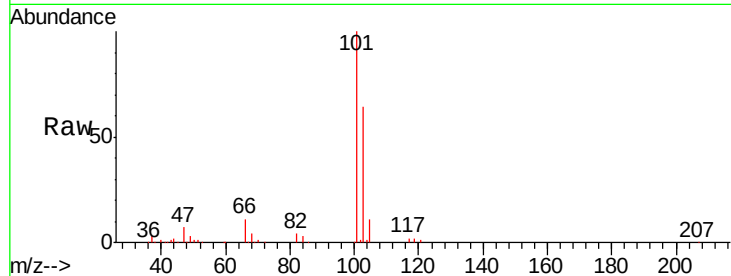
Trichlorofluoromethane
Concen: 19.518 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
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ClientSampleId :
VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6

Manual Integrations
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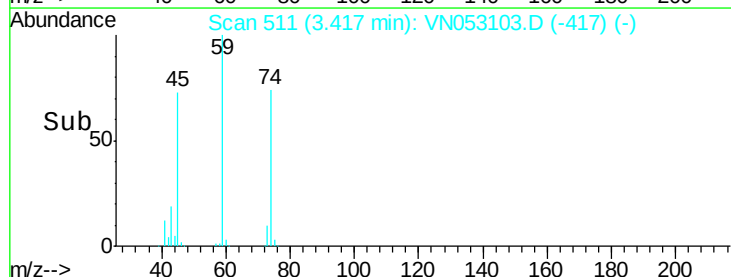
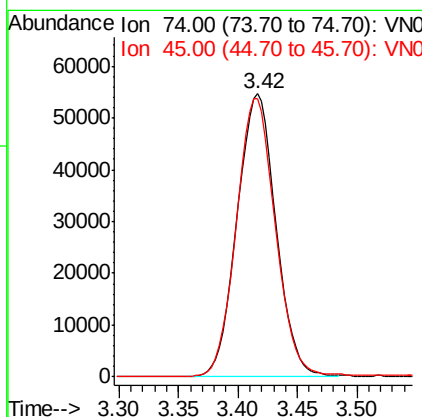
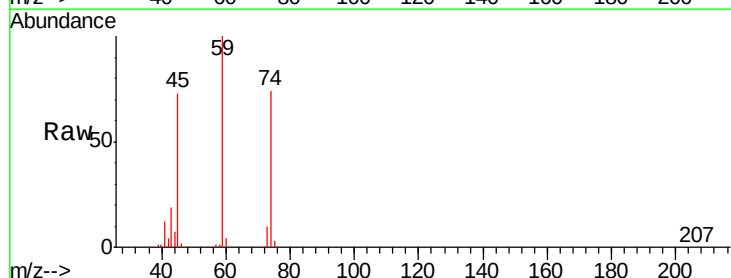
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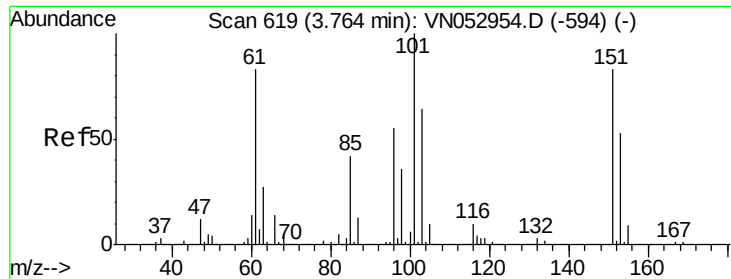


#8

Diethyl Ether
Concen: 20.799 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.771 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

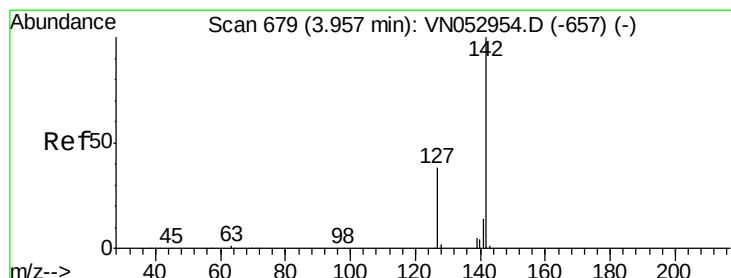
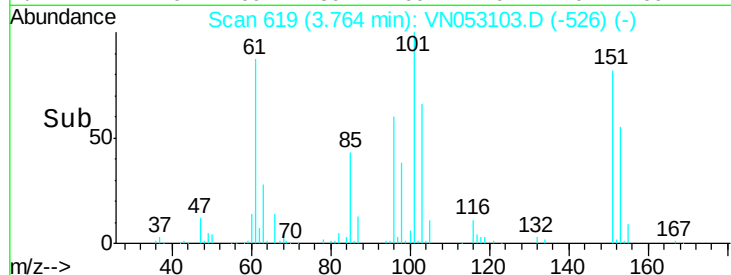
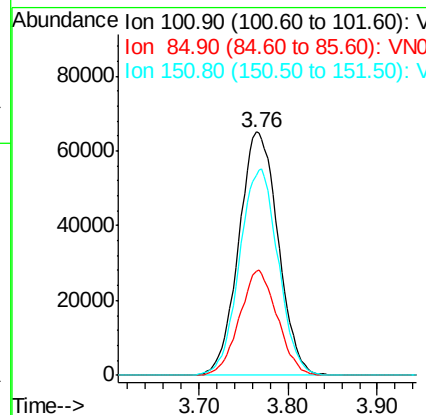
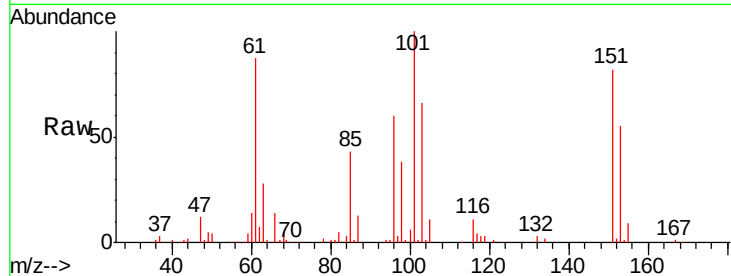
ClientSampleId :

VN1221MBS02

Tgt	Ion	101	Resp:	198585
Ion	Ratio	Lower	Upper	
101	100			
85	41.6	33.6	50.4	
151	83.6	65.5	98.3	

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#10

Methyl Iodide

Concen: 17.689 ug/l

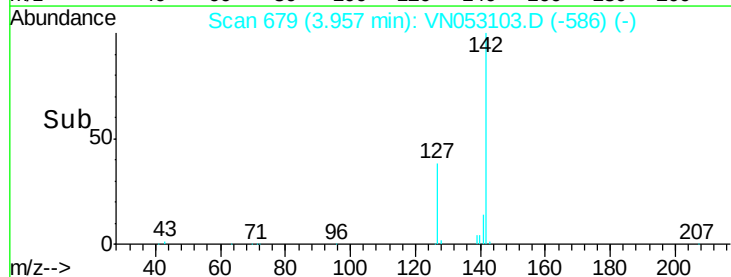
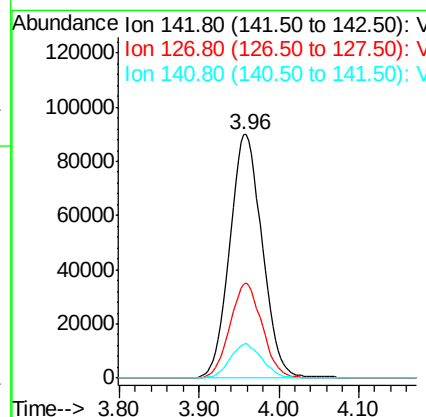
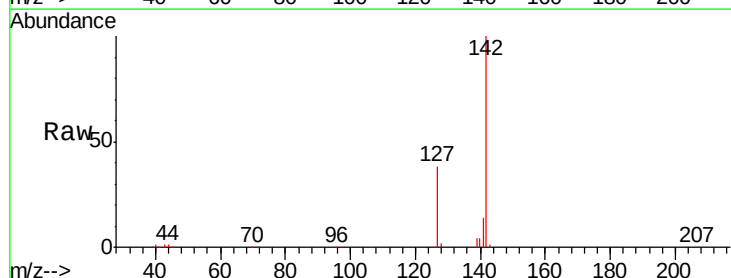
RT: 3.96 min Scan# 679

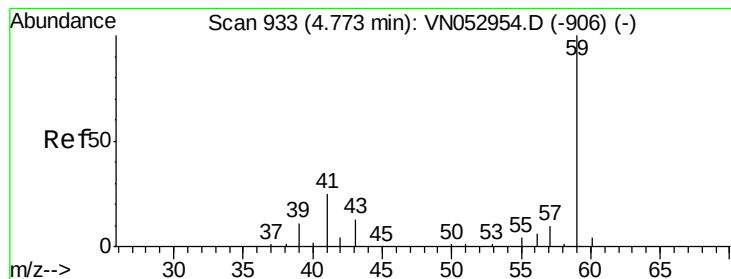
Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt	Ion	142	Resp:	249516
Ion	Ratio	Lower	Upper	
142	100			
127	38.6	31.0	46.6	
141	14.0	11.2	16.8	





#11

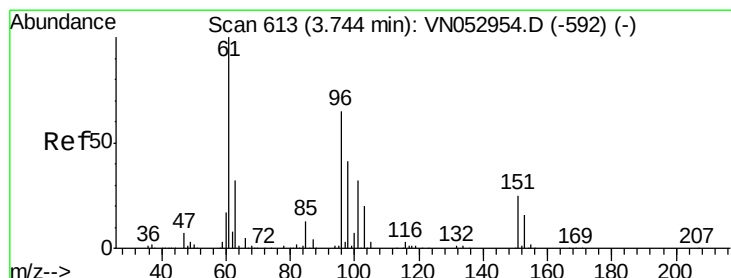
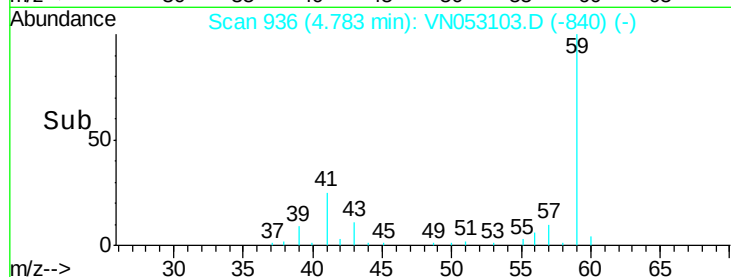
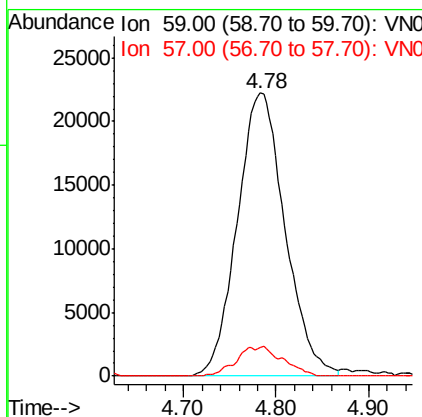
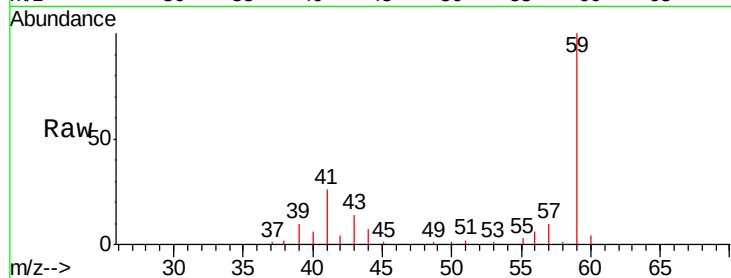
Tert butyl alcohol
 Concen: 126.197 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	4.4	7.7	11.5#

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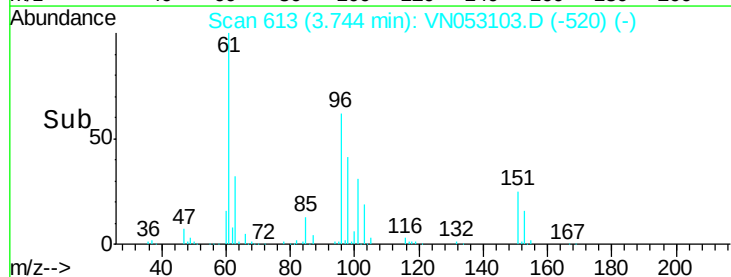
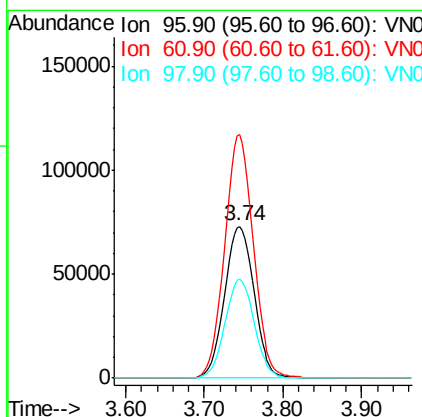
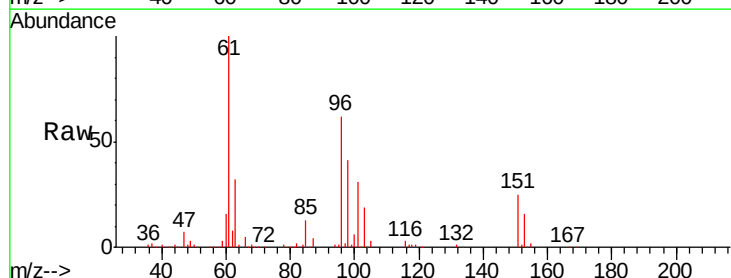
MMDadoda
 12/22/2018 10:06:42 AM

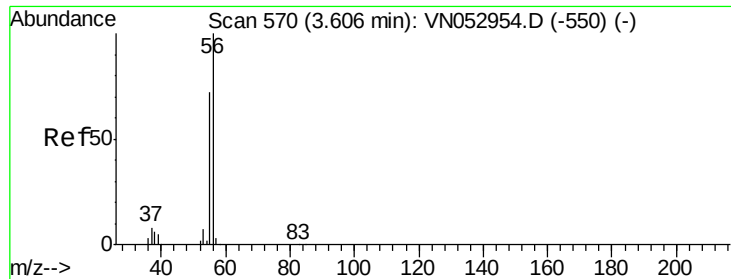


#12

1,1-Dichloroethene
 Concen: 19.575 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	125.6	188.4
98	65.0	50.6	75.8





#13

Acrolein

Concen: 108.694 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 56 Resp: 62133

Ion Ratio Lower Upper

56 100

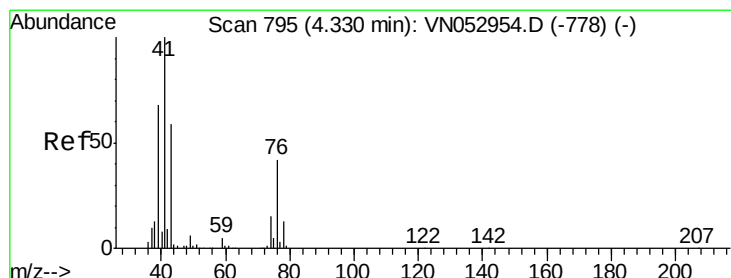
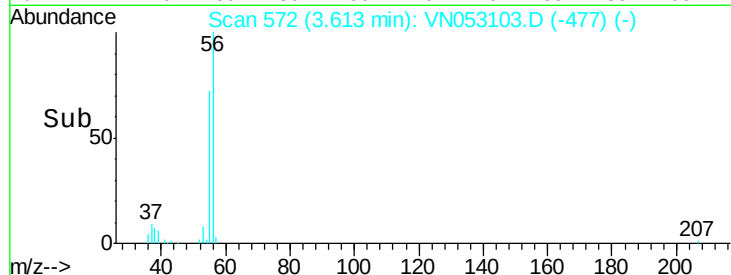
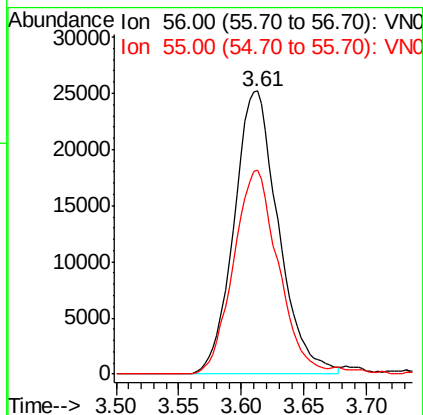
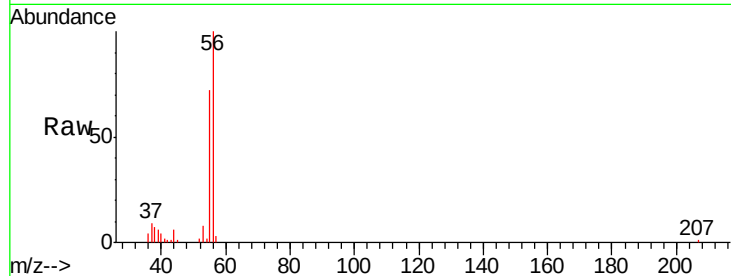
55 72.3 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 21.023 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

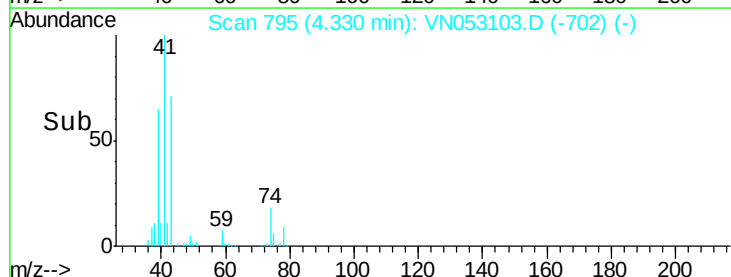
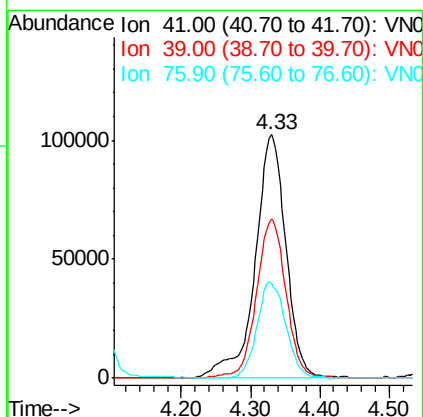
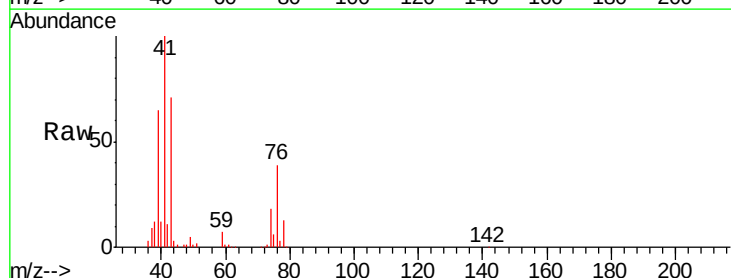
Tgt Ion: 41 Resp: 316008

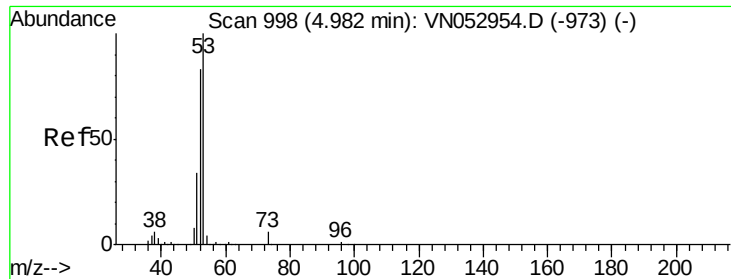
Ion Ratio Lower Upper

41 100

39 62.2 54.1 81.1

76 36.1 30.3 45.5





#15

Acrylonitrile

Concen: 115.116 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

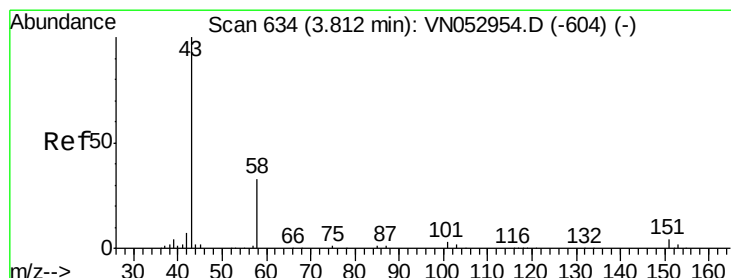
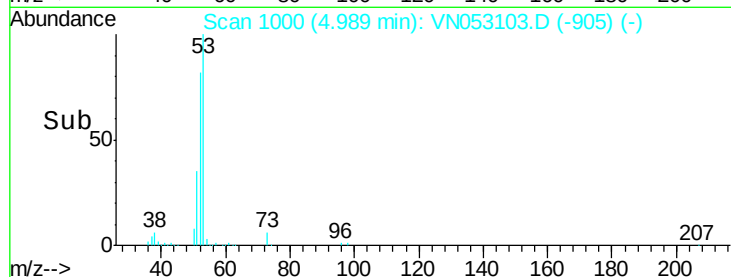
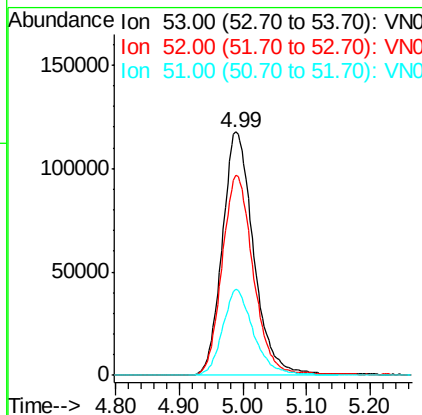
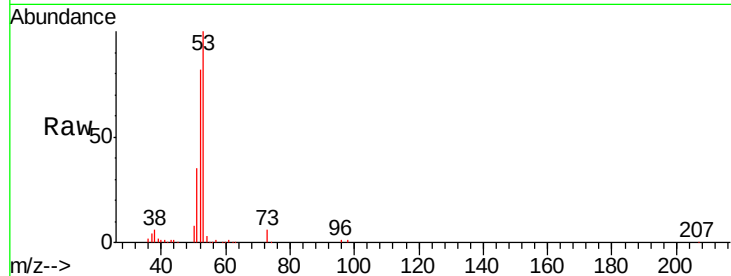
ClientSampleId :

VN1221MBS02

Tgt Ion:	53	Resp:	403174
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.1	97.7
51	35.2	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 116.863 ug/l

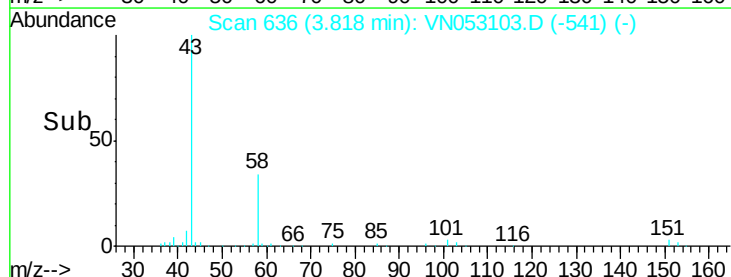
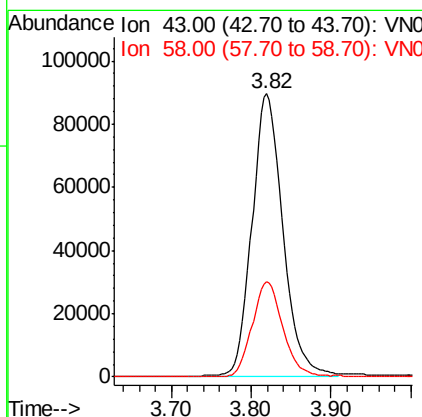
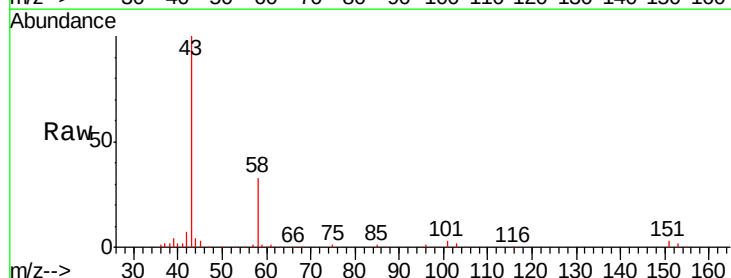
RT: 3.82 min Scan# 636

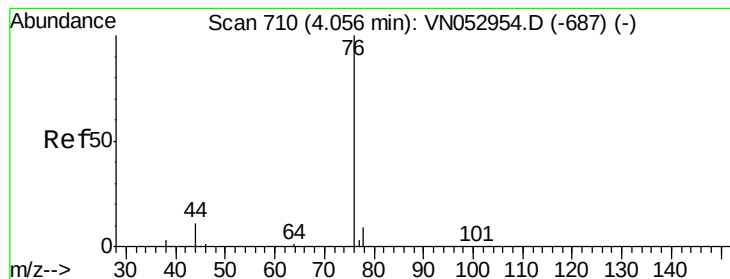
Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt Ion:	43	Resp:	236742
Ion	Ratio	Lower	Upper
43	100		
58	33.6	25.4	38.0





#17

Carbon Disulfide

Concen: 16.142 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 76 Resp: 510849

Ion Ratio Lower Upper

76 100

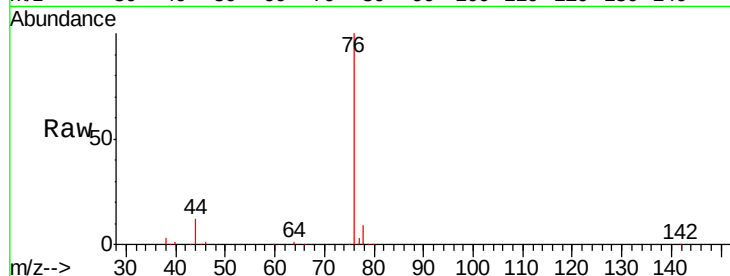
78 8.9 7.1 10.7

Manual Integrations

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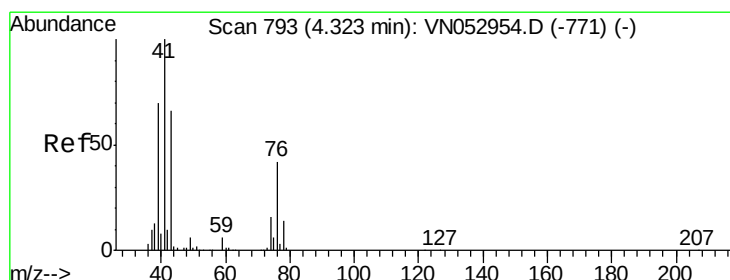
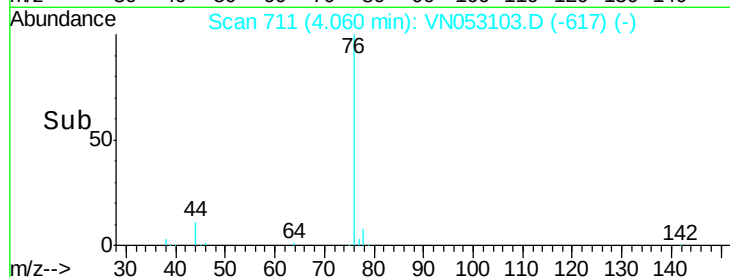
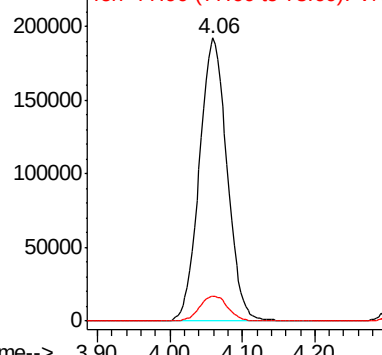
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.636 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053103.D

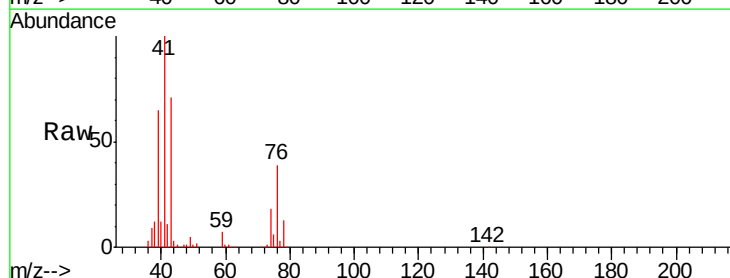
Acq: 21 Dec 2018 15:45

Tgt Ion: 43 Resp: 212418

Ion Ratio Lower Upper

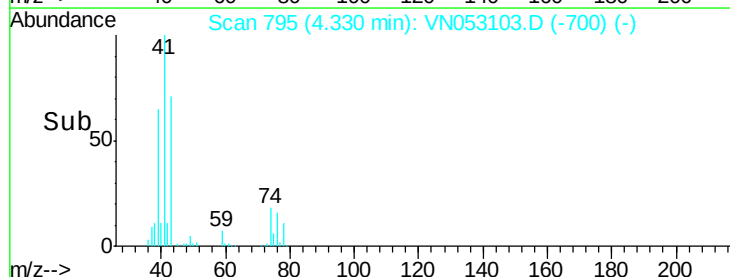
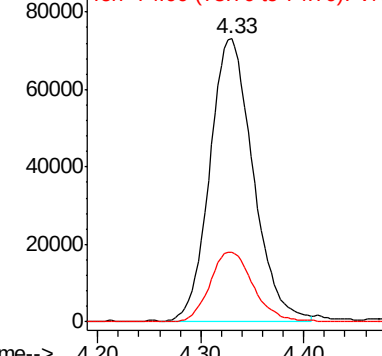
43 100

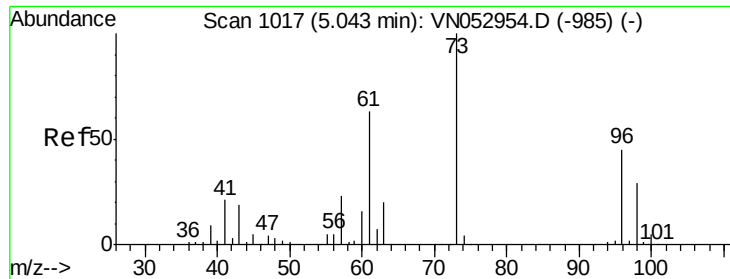
74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





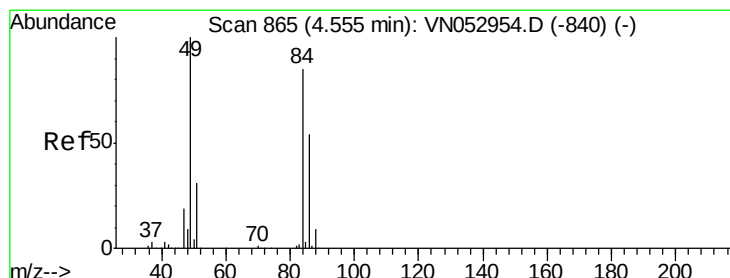
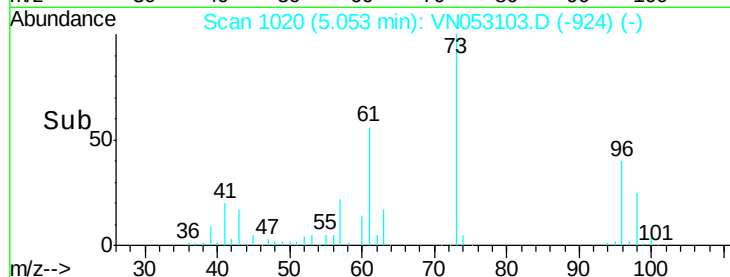
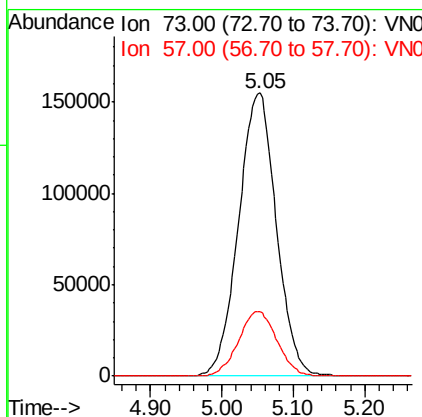
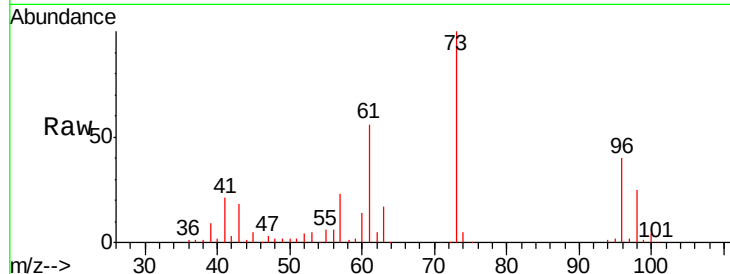
#19
Methyl tert-butyl Ether
Concen: 21.956 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 73 Resp: 570178
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

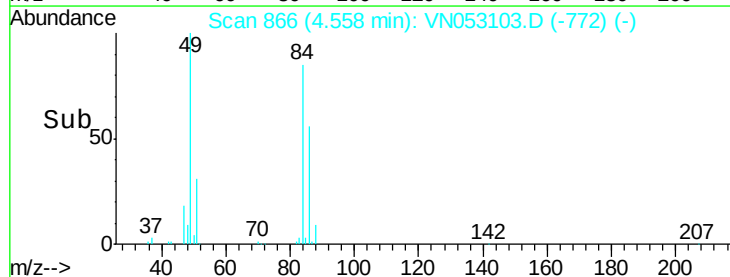
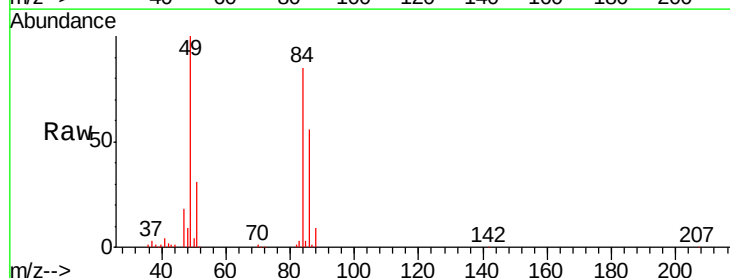
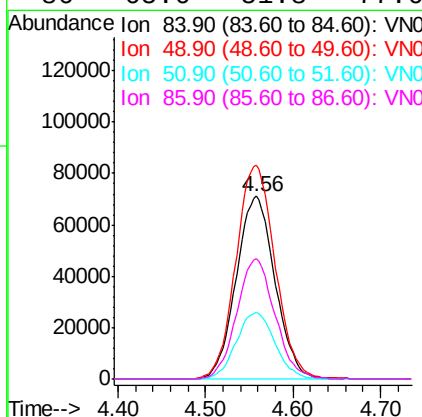
Manual Integrations
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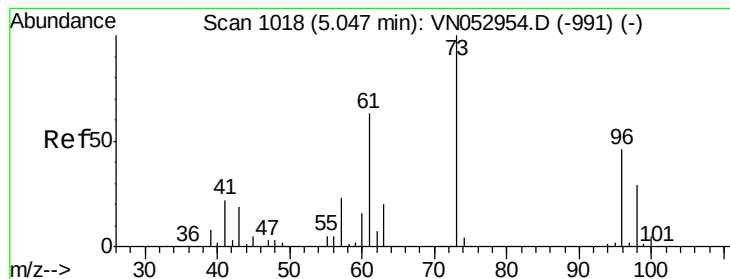
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#20
Methylene Chloride
Concen: 19.801 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 84 Resp: 218808
Ion Ratio Lower Upper
84 100
49 117.0 96.8 145.2
51 36.3 29.9 44.9
86 65.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.298 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 96 Resp: 201201

Ion Ratio Lower Upper

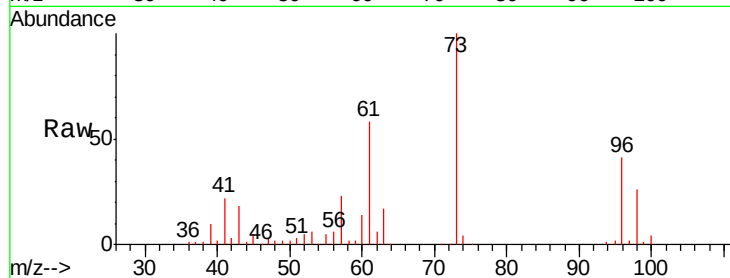
96 100

61 141.9 110.8 166.2

98 63.6 51.4 77.2

Manual Integrations
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MMDadoda
12/22/2018 10:06:42 AM

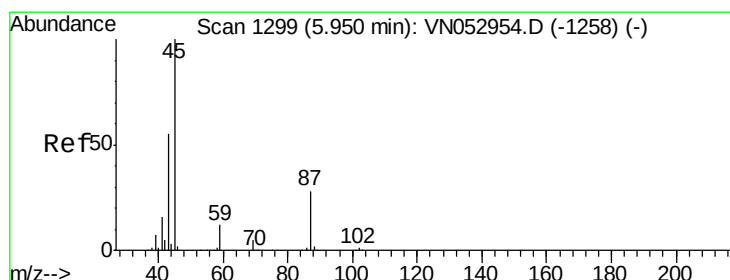
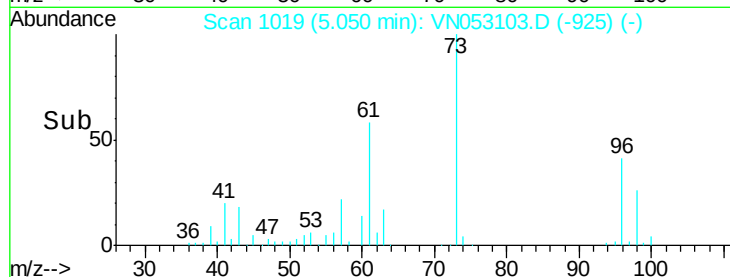
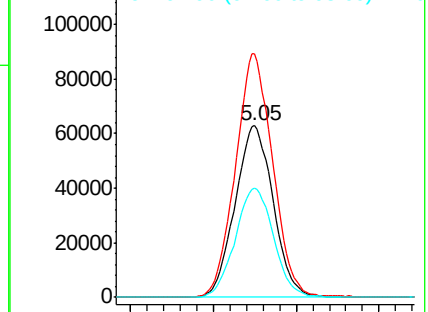


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.156 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt Ion: 45 Resp: 678784

Ion Ratio Lower Upper

45 100

43 55.3 45.5 68.3

87 28.5 22.0 33.0

59 12.0 9.4 14.0

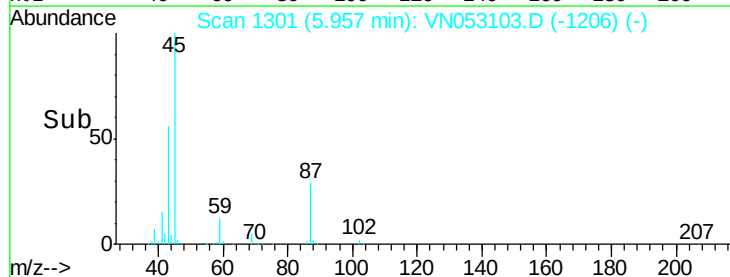
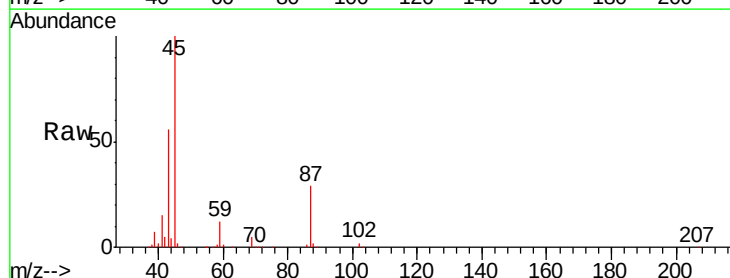
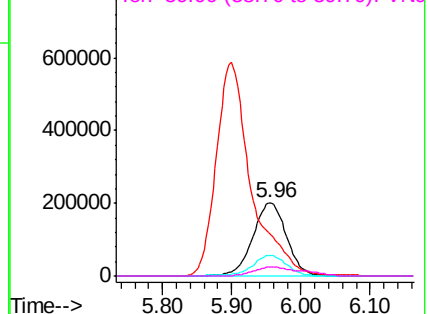
Abundance

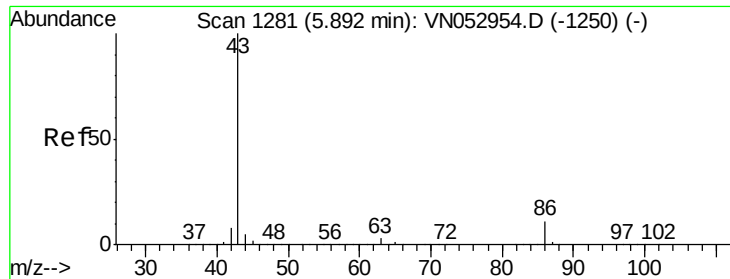
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





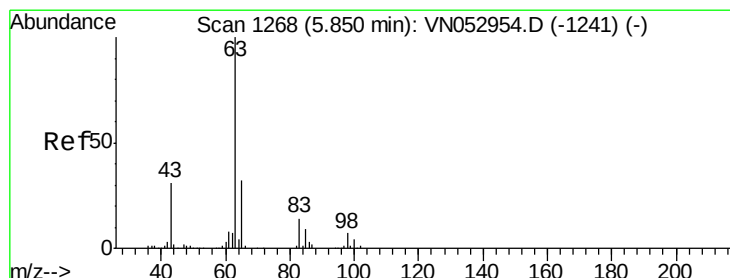
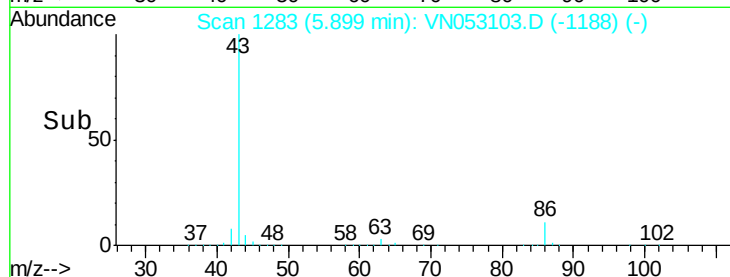
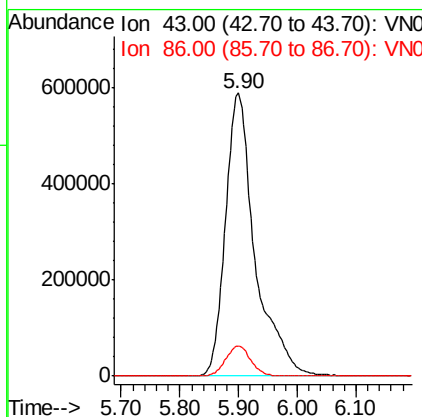
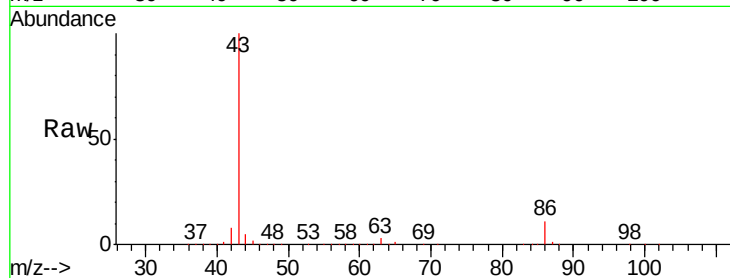
#23
 Vinyl Acetate
 Concen: 111.761 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion: 43 Resp: 2061967
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.1 12.1

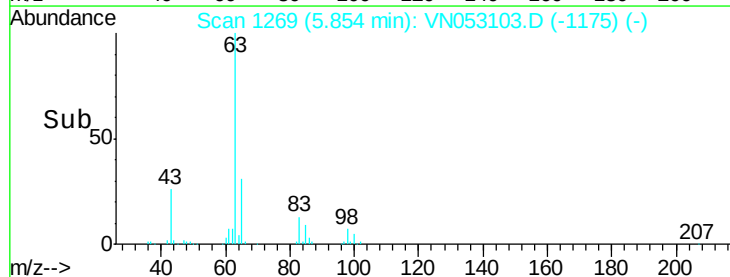
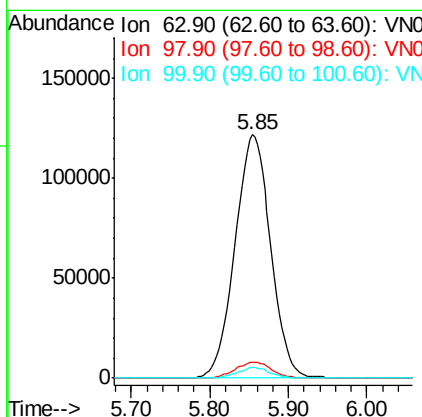
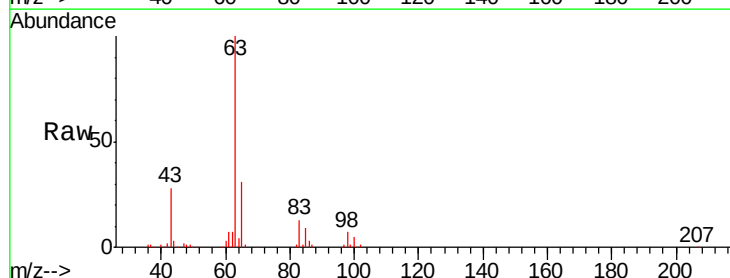
Manual Integrations
 APPROVED

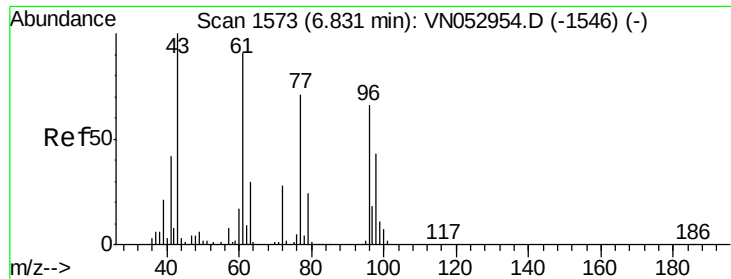
MMDadoda
 12/22/2018 10:06:42 AM



#24
 1,1-Dichloroethane
 Concen: 20.261 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion: 63 Resp: 386281
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.1 9.4
 100 4.6 2.0 5.8





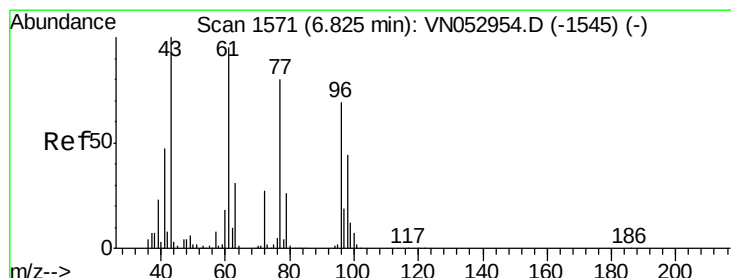
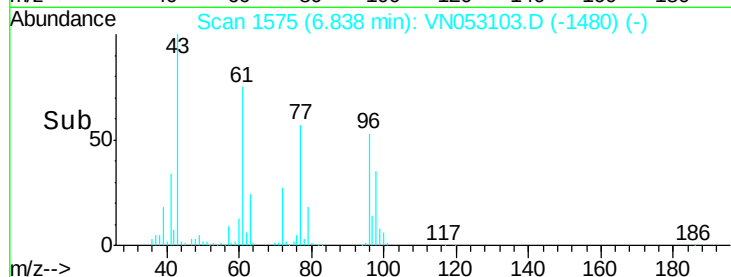
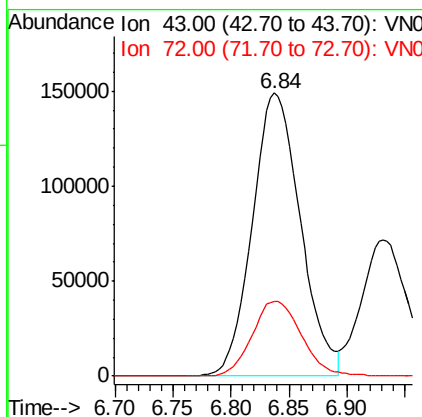
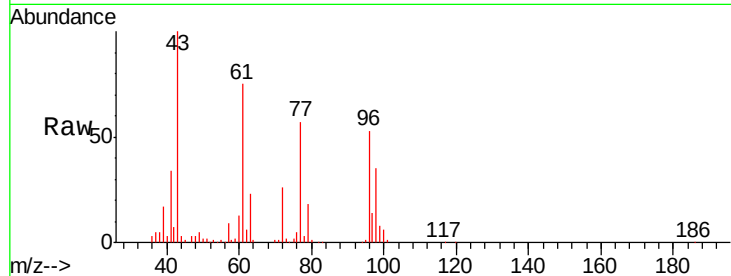
#25
2-Butanone
Concen: 126.020 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 43 Resp: 428443
Ion Ratio Lower Upper
43 100
72 26.5 21.0 31.6

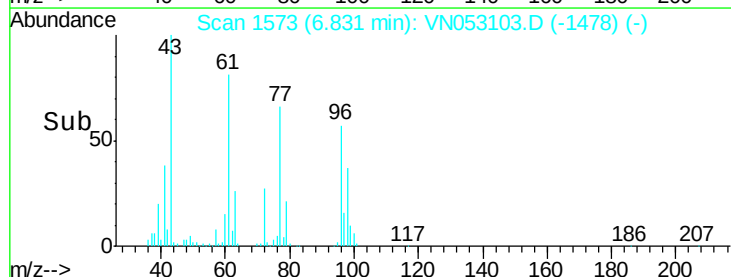
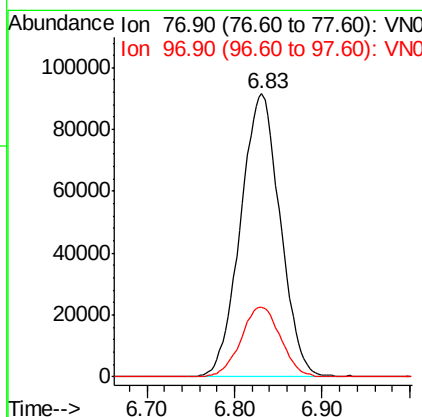
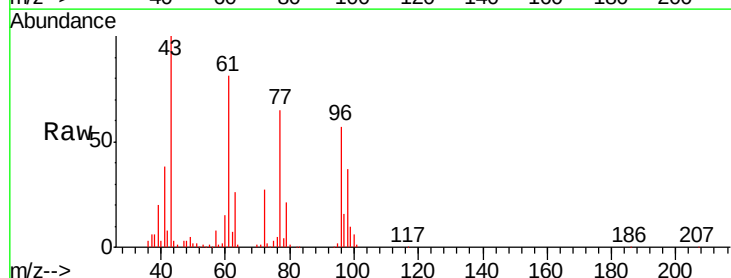
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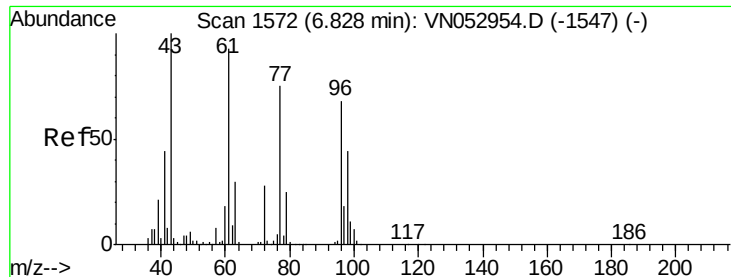
MMDadoda
12/22/2018 10:06:42 AM



#26
2,2-Dichloropropane
Concen: 19.781 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 77 Resp: 287893
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.949 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

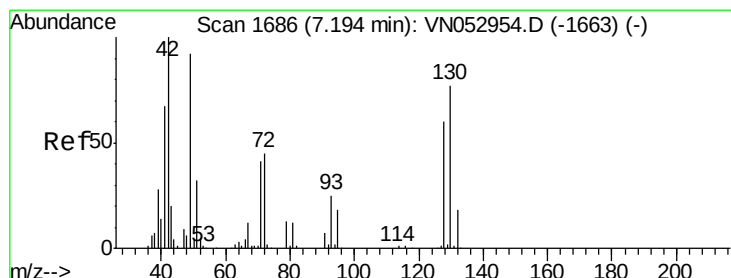
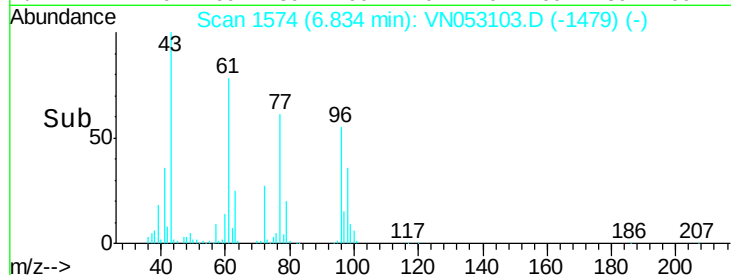
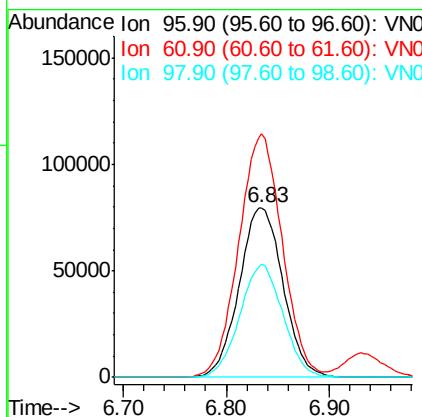
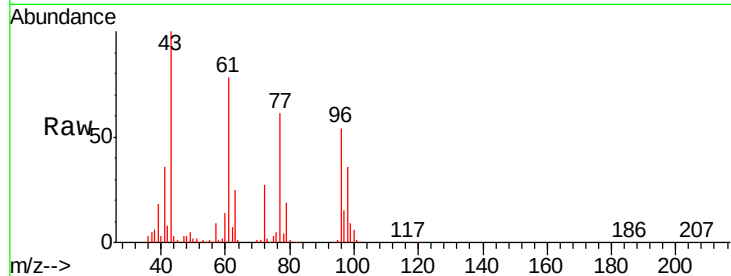
ClientSampleId :

VN1221MBS02

Tgt Ion:	96	Resp:	235467
Ion Ratio	Lower	Upper	
96	100		
61	142.5	0.0	284.2
98	65.7	0.0	129.2

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#28

Bromochloromethane

Concen: 20.587 ug/l

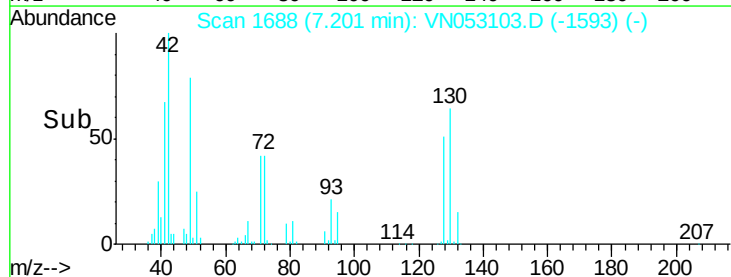
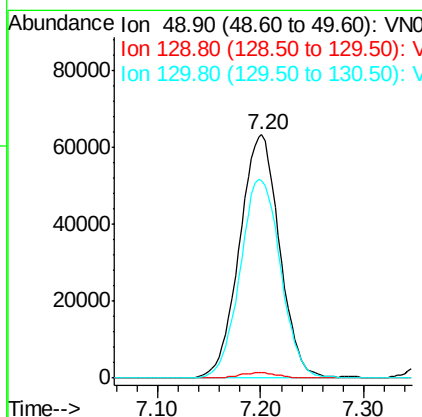
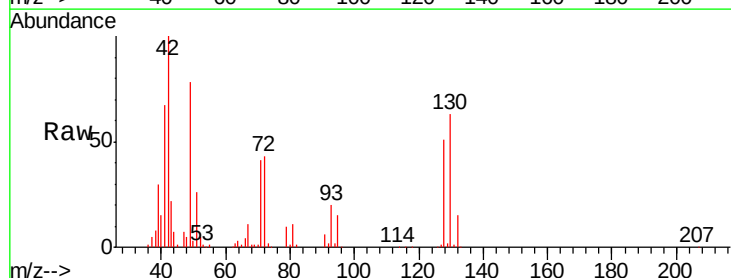
RT: 7.20 min Scan# 1688

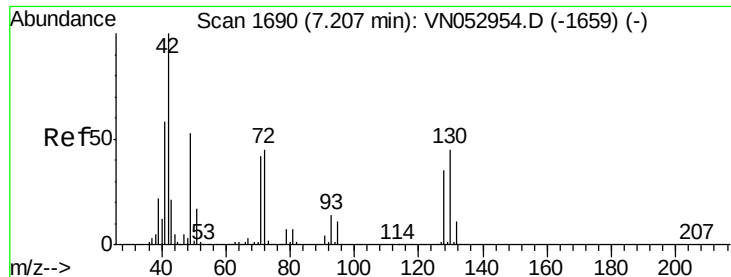
Delta R.T. 0.01 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt Ion:	49	Resp:	170077
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	82.7	63.3	94.9





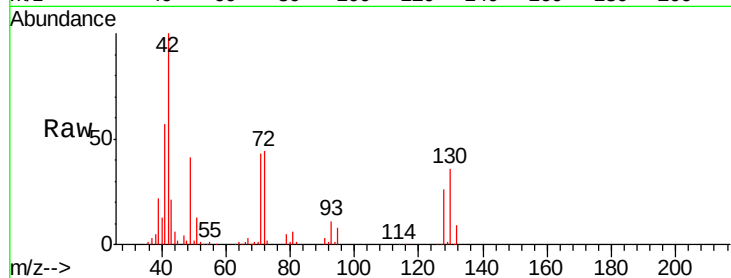
#29
Tetrahydrofuran
Concen: 121.762 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

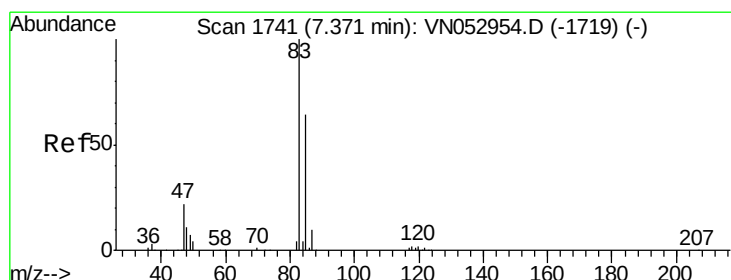
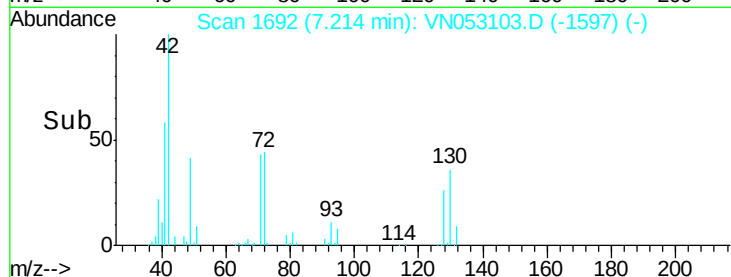
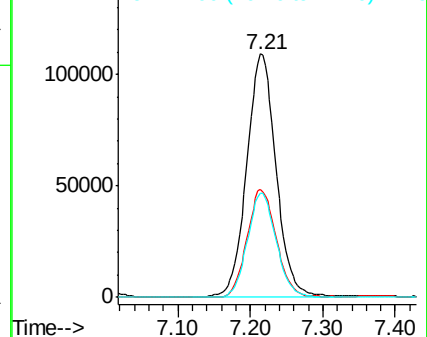
Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.7	52.1
71	41.6	32.3	48.5

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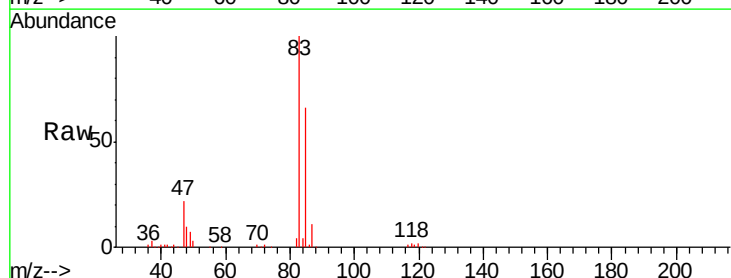


Abundance Ion 42.00 (41.70 to 42.70): VN053103.D (-1597) (-)
Ion 72.00 (71.70 to 72.70): VN053103.D (-1597) (-)
Ion 71.00 (70.70 to 71.70): VN053103.D (-1597) (-)

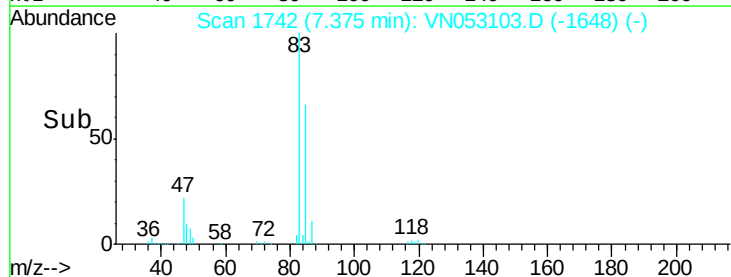
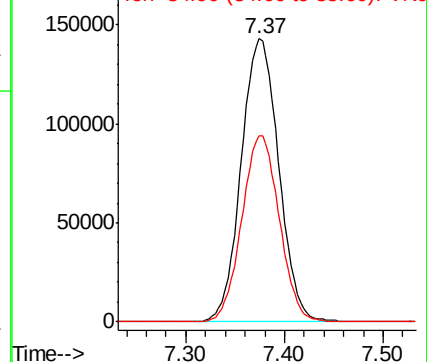


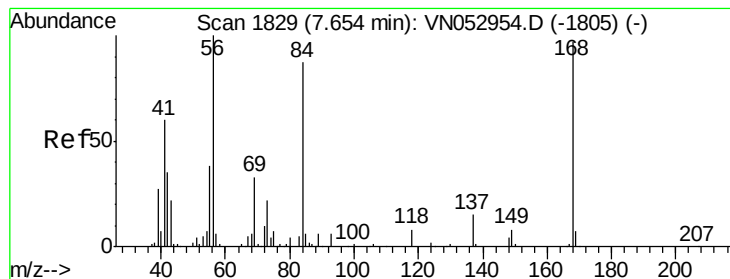
#30
Chloroform
Concen: 20.113 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.1	78.1



Abundance Ion 82.90 (82.60 to 83.60): VN053103.D (-1648) (-)
Ion 84.90 (84.60 to 85.60): VN053103.D (-1648) (-)





#31

Cyclohexane

Concen: 19.411 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 56 Resp: 358597
Ion Ratio Lower Upper

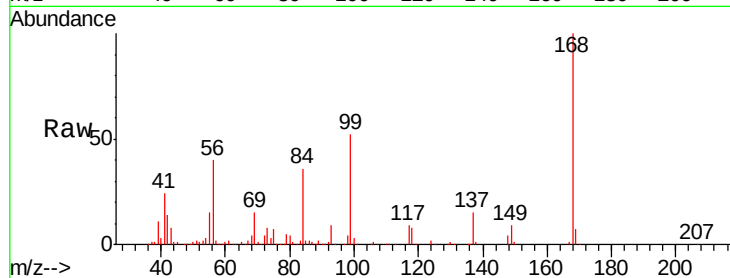
56 100

69 37.3 26.6 39.8

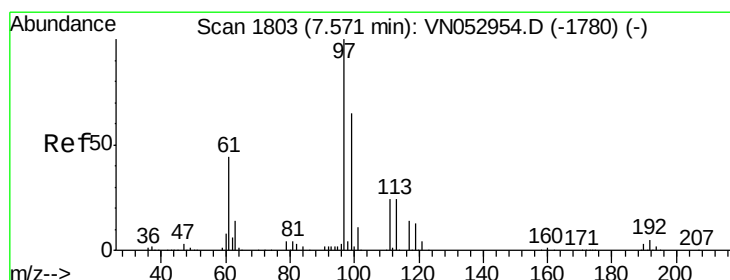
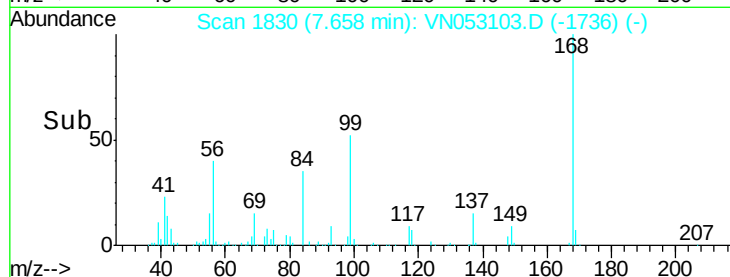
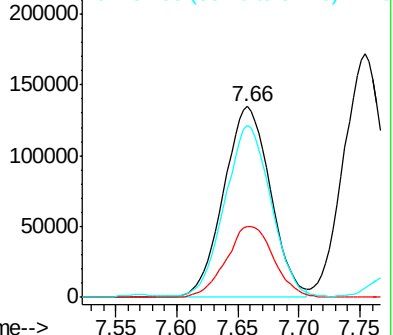
84 88.9 68.4 102.6

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.694 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053103.D

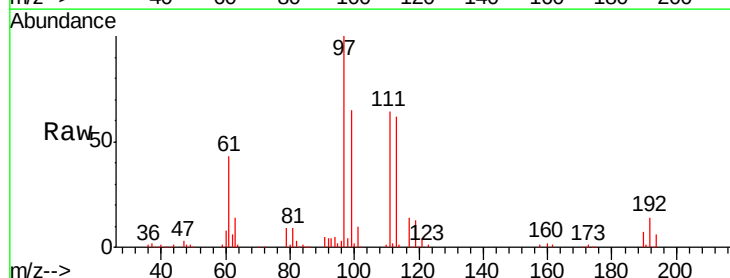
Acq: 21 Dec 2018 15:45

Tgt Ion: 97 Resp: 314214
Ion Ratio Lower Upper

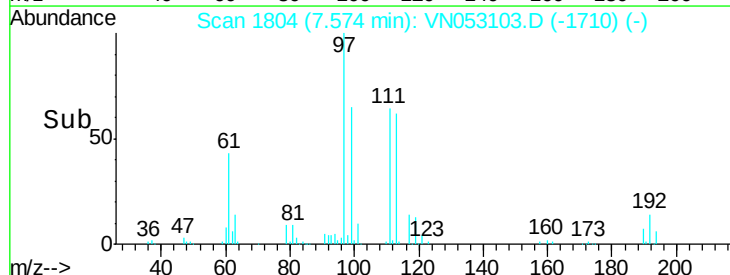
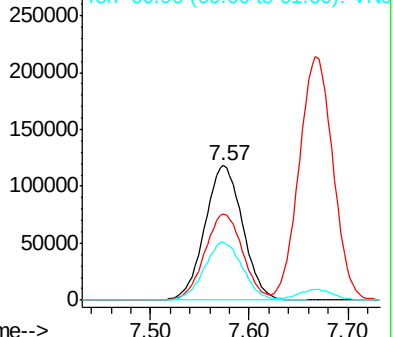
97 100

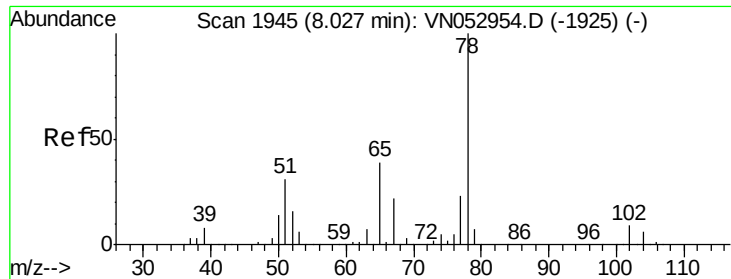
99 64.0 51.1 76.7

61 43.3 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





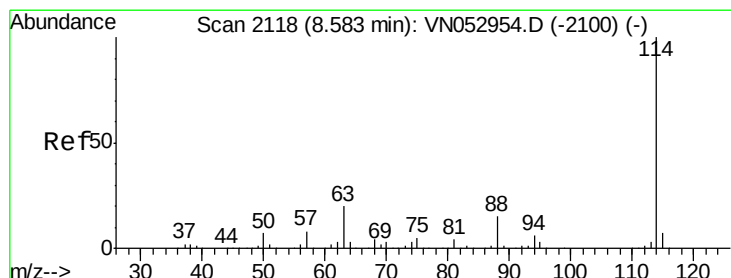
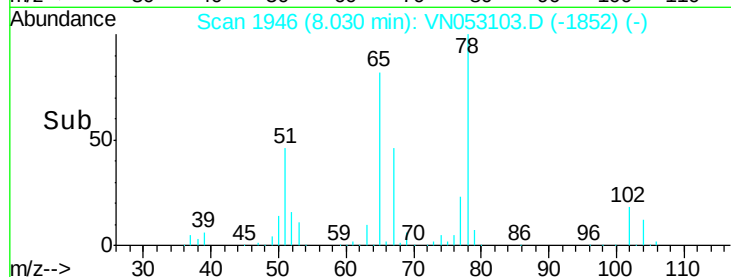
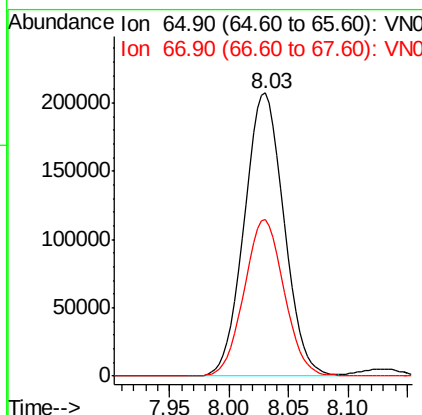
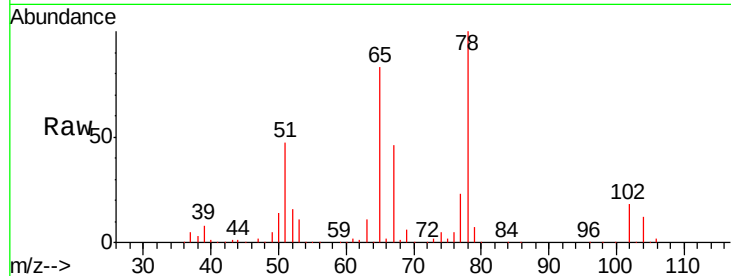
#33
 1,2-Dichloroethane-d4
 Concen: 19.694 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion: 65 Resp: 480251
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4

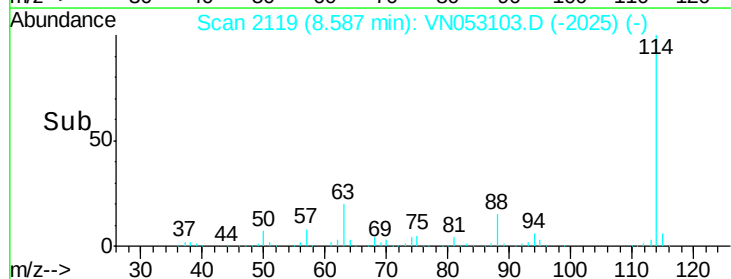
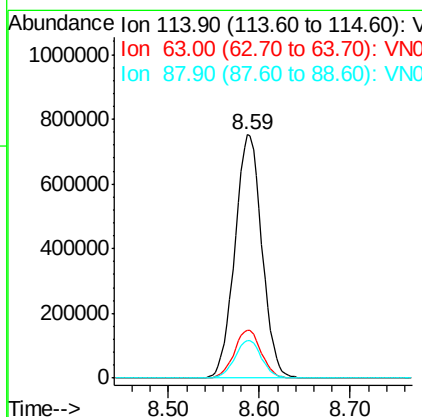
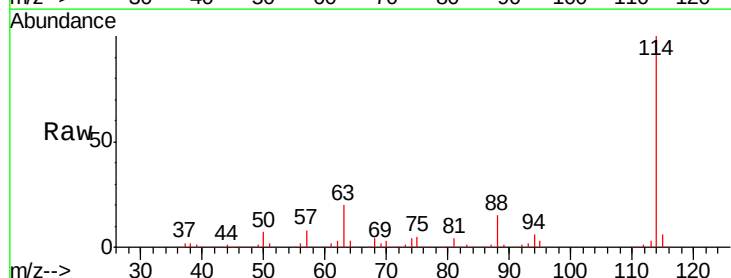
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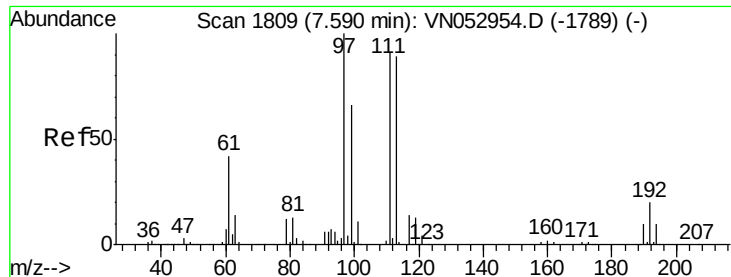
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion: 114 Resp: 1552861
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.5 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: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

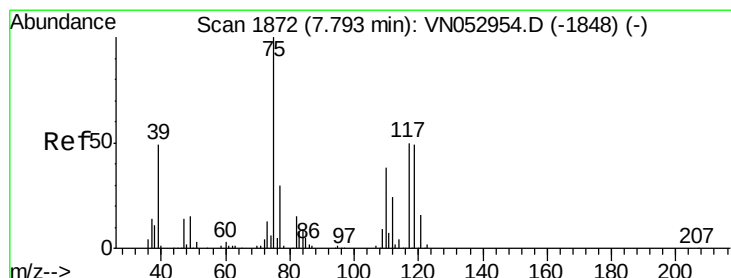
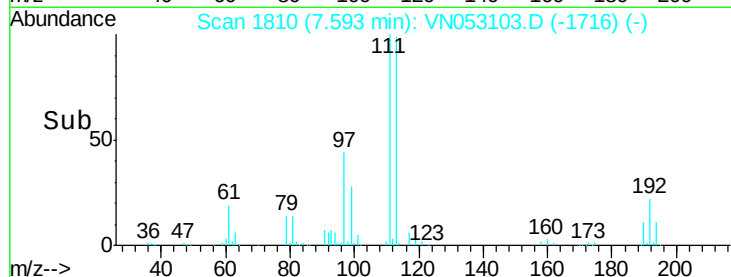
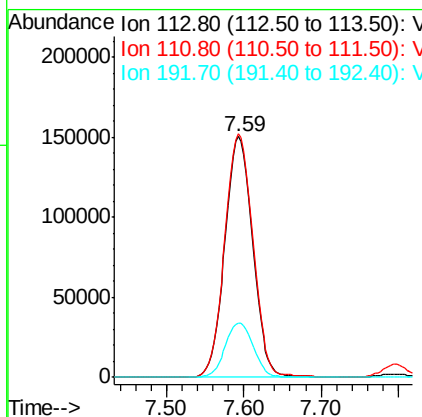
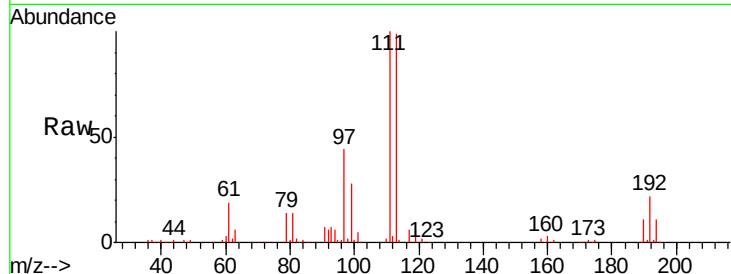
ClientSampleId :

VN1221MBS02

Tgt Ion:	113	Resp:	377111
Ion Ratio	Lower	Upper	
113	100		
111	102.4	83.0	124.4
192	22.7	17.5	26.3

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#36

1,1-Dichloropropene

Concen: 19.177 ug/l

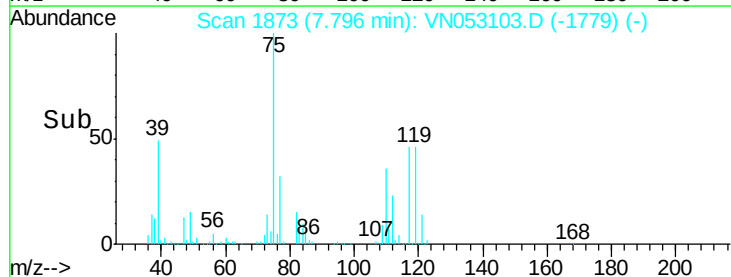
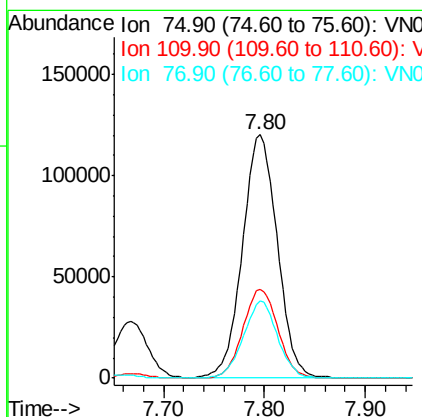
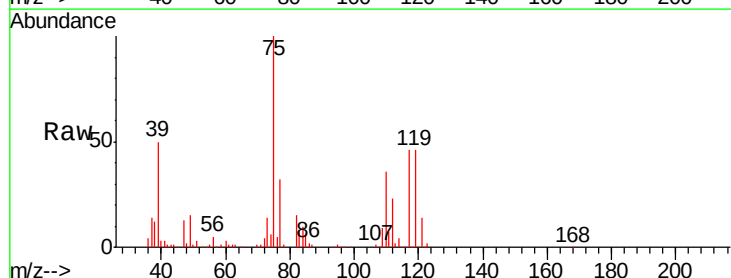
RT: 7.80 min Scan# 1873

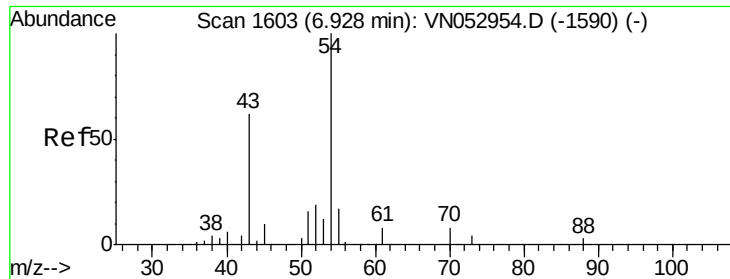
Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt Ion:	75	Resp:	285826
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.2	54.6
77	31.4	24.9	37.3





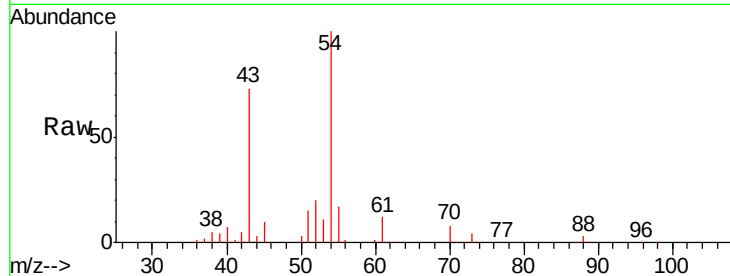
#37
Ethyl Acetate
Concen: 24.485 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.6
70	10.8	8.4	12.6

Manual Integrations
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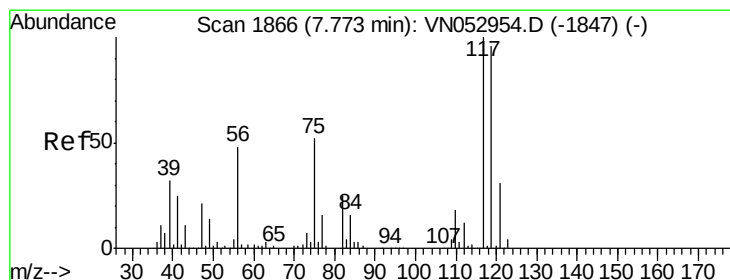
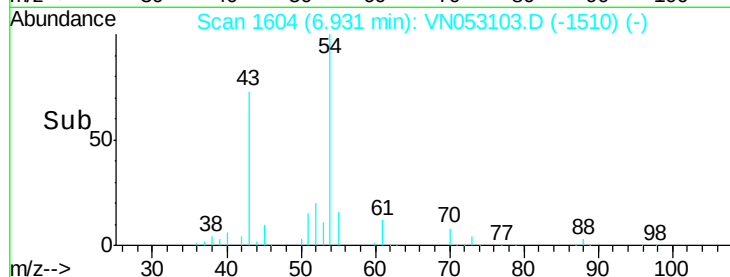
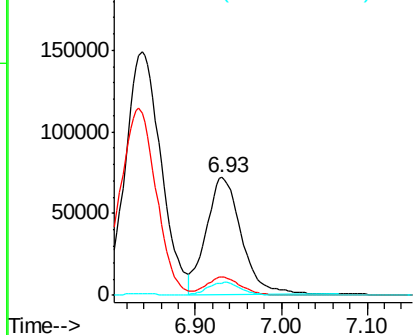
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Abundance Ion 43.00 (42.70 to 43.70): VN053103.D (-1510) (-)

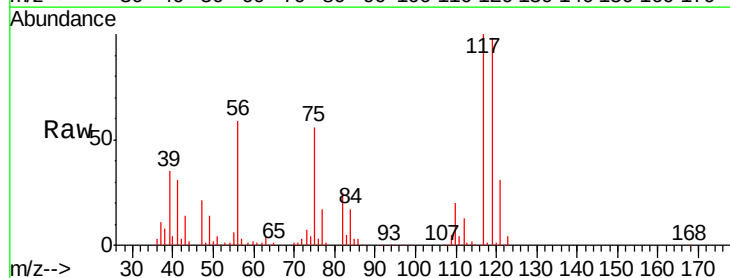
Ion 60.90 (60.60 to 61.60): VN053103.D (-1510) (-)

Ion 70.00 (69.70 to 70.70): VN053103.D (-1510) (-)



#38
Carbon Tetrachloride
Concen: 19.063 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

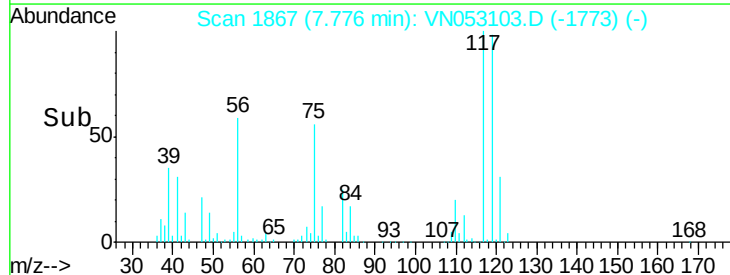
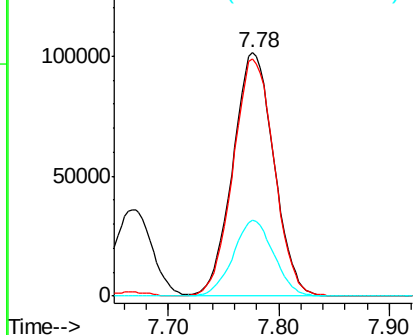
Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.1	115.7
121	31.1	24.9	37.3

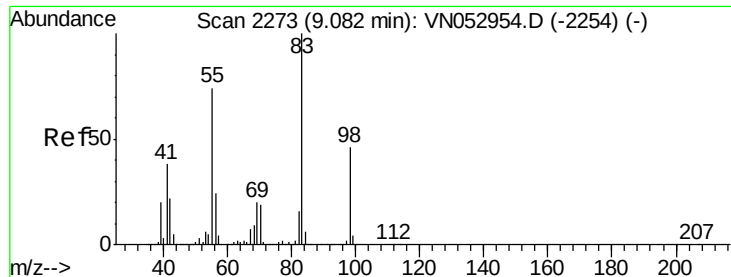


Abundance Ion 116.80 (116.50 to 117.50): VN053103.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053103.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053103.D (-1773) (-)





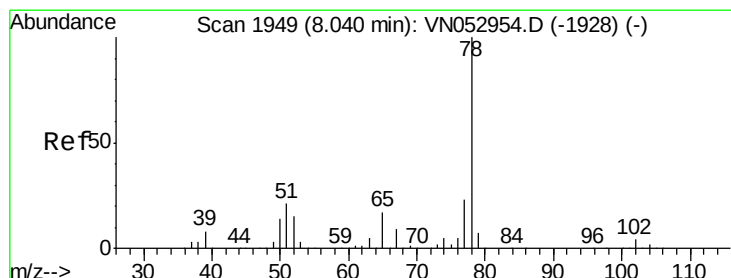
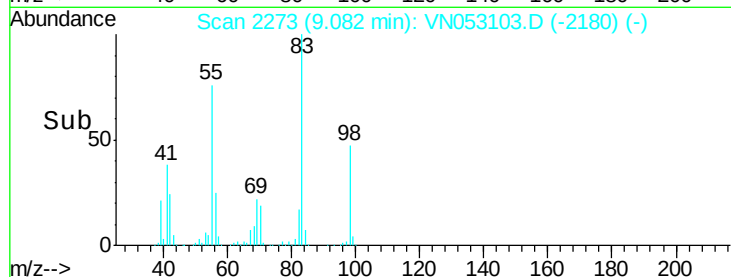
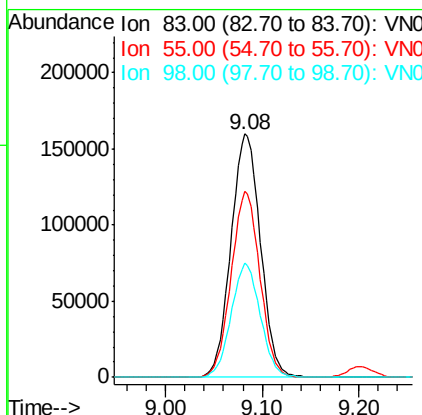
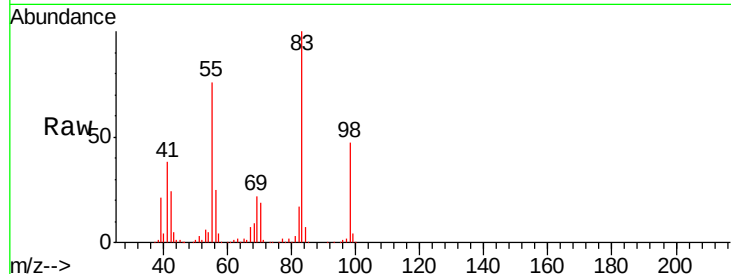
#39
Methylcyclohexane
Concen: 18.729 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	76.4	61.3	91.9
98	46.8	37.0	55.4

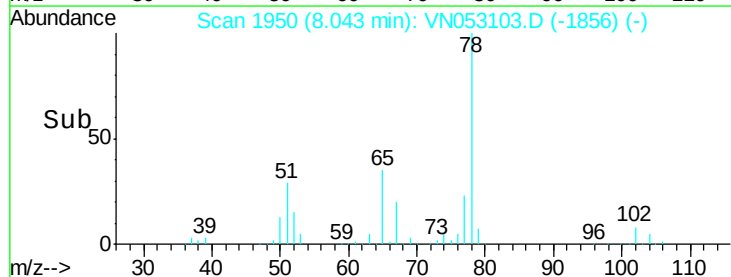
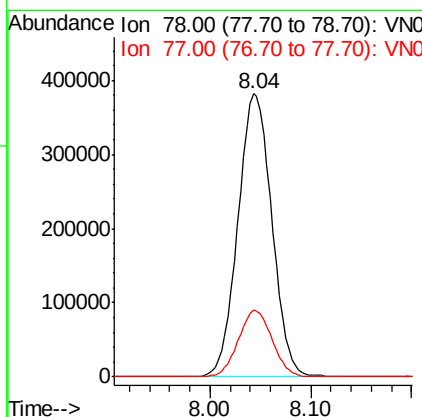
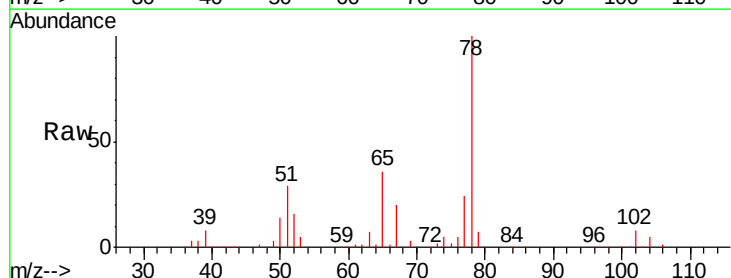
Manual Integrations
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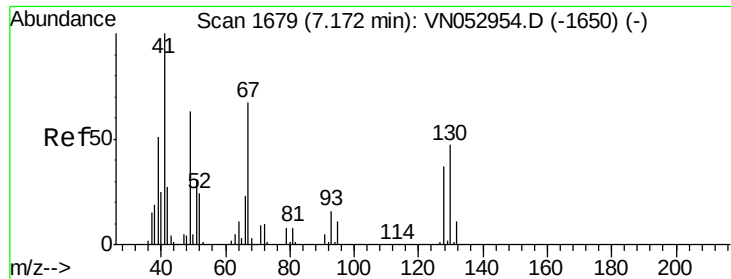
MMDadoda
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#40
Benzene
Concen: 20.087 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.6	18.5	27.7





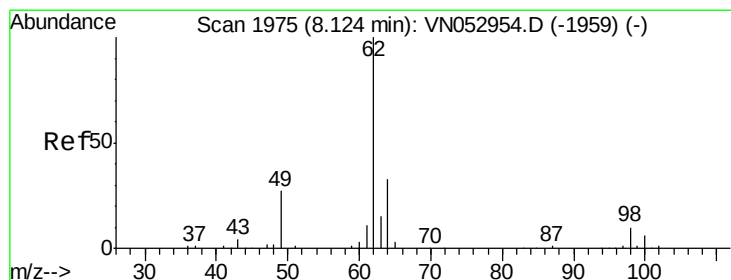
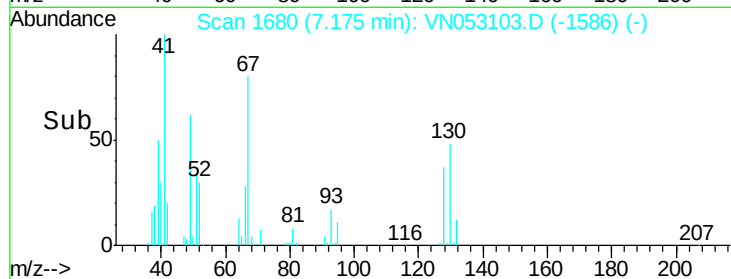
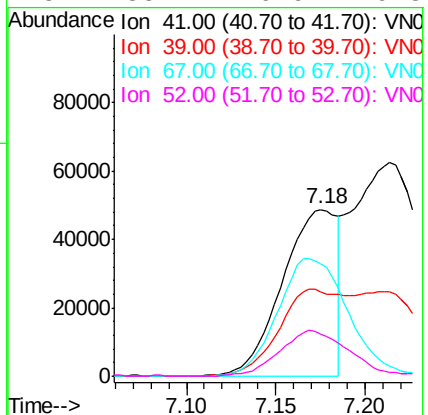
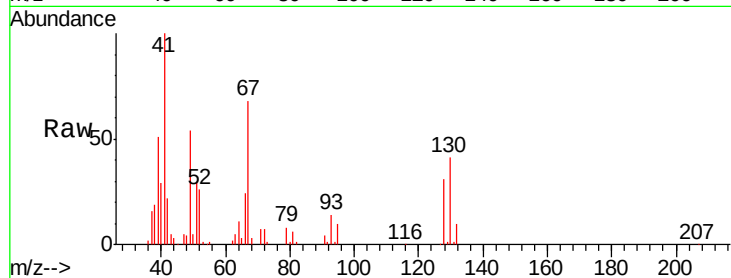
#41
Methacrylonitrile
Concen: 21.657 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.6	48.0	72.0	
67	91.1	70.3	105.5	
52	35.2	26.9	40.3	

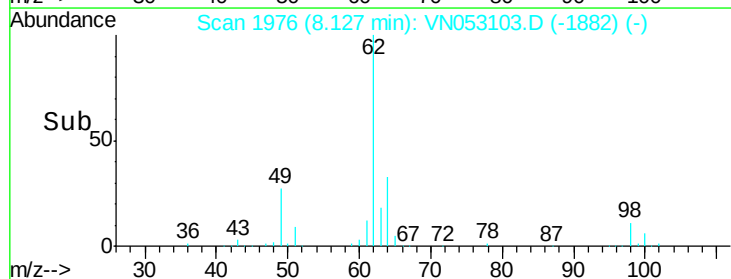
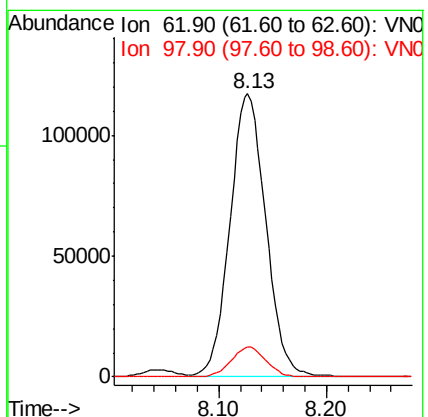
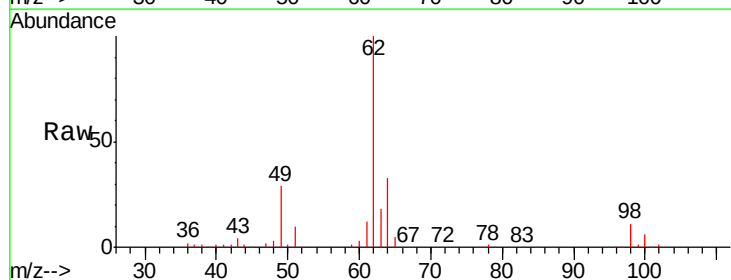
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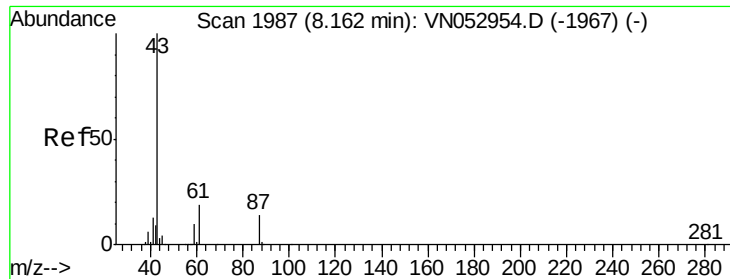
MMDadoda
12/22/2018 10:06:42 AM



#42
1,2-Dichloroethane
Concen: 20.591 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	19.0	





#43

Isopropyl Acetate

Concen: 22.600 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

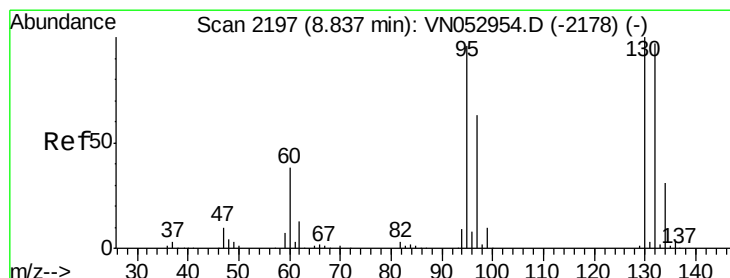
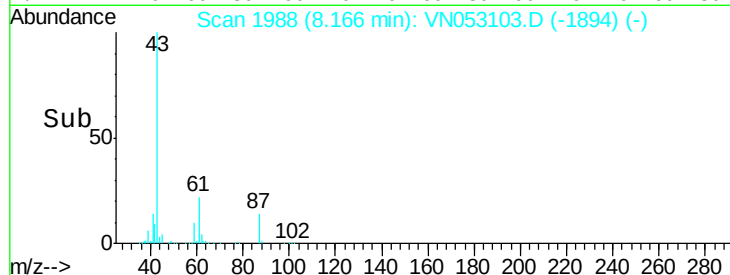
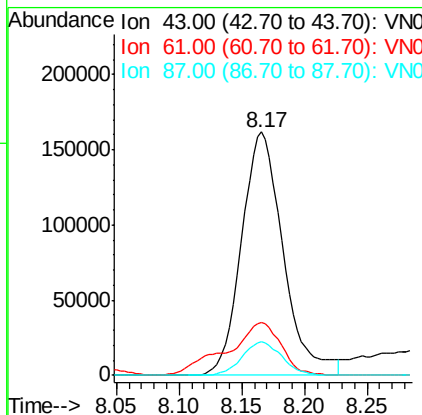
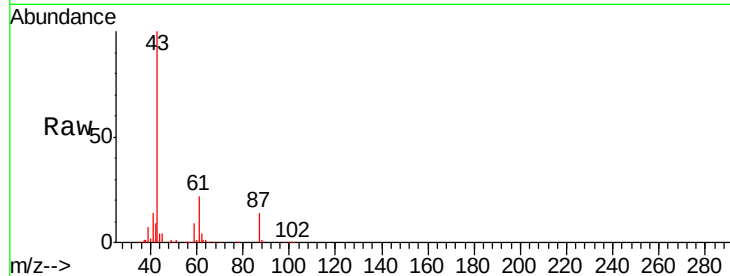
ClientSampleId :

VN1221MBS02

Tgt Ion:	43	Resp:	373120
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.9	34.3
87	13.2	10.6	15.8

Manual Integrations
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MMDadoda
12/22/2018 10:06:42 AM



#44

Trichloroethene

Concen: 18.878 ug/l

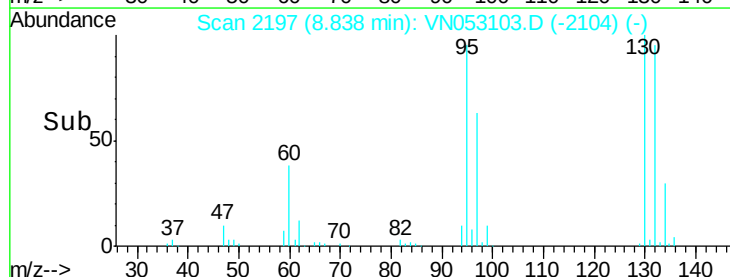
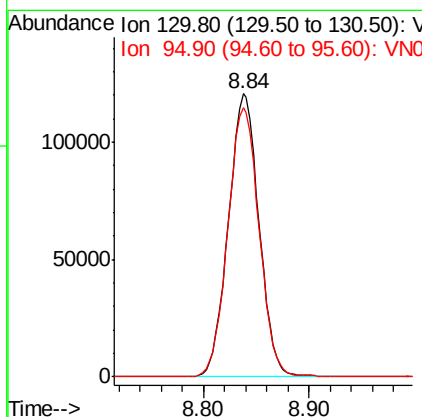
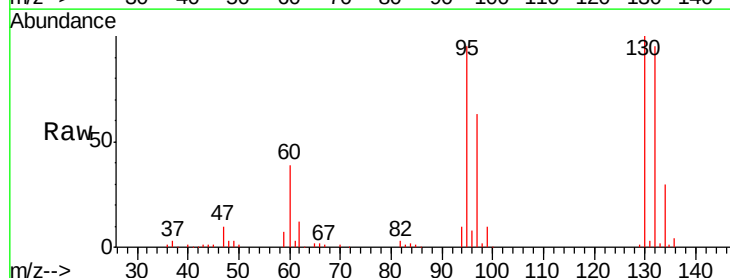
RT: 8.84 min Scan# 2197

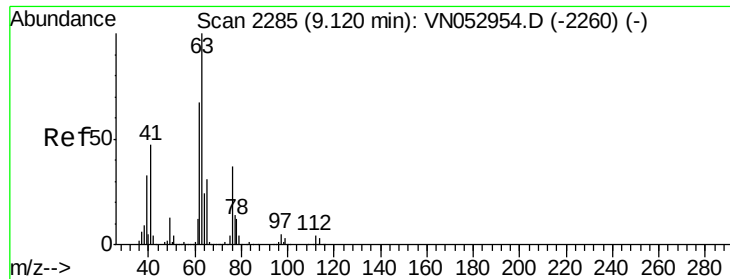
Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt Ion:	130	Resp:	242069
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	197.8





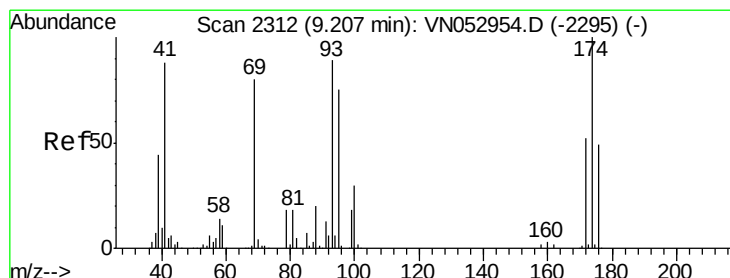
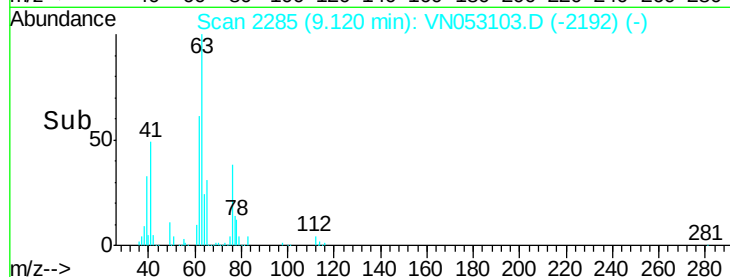
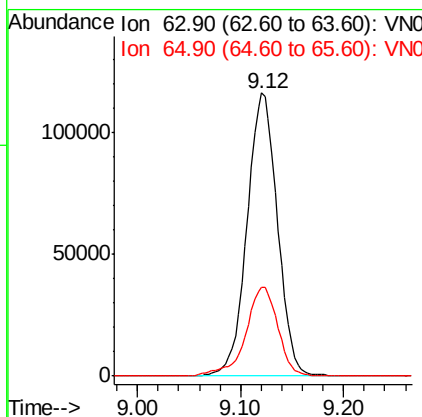
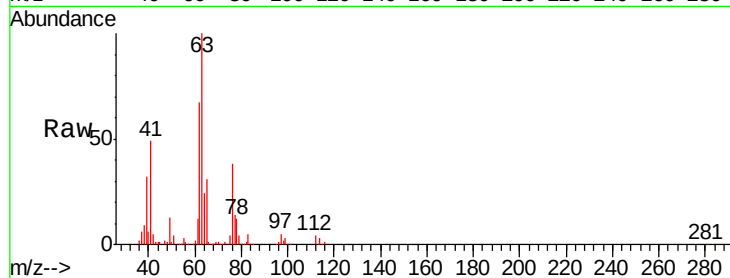
#45
1,2-Dichloropropane
Concen: 20.549 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 63 Resp: 237299
Ion Ratio Lower Upper
63 100
65 31.2 24.6 37.0

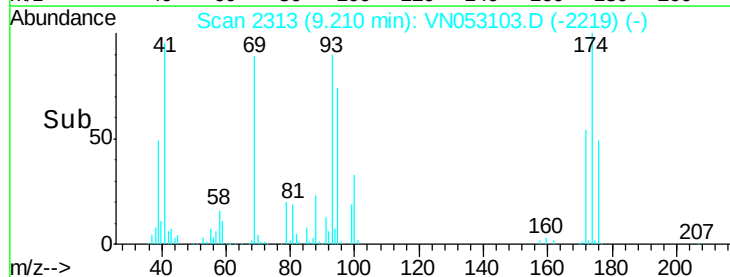
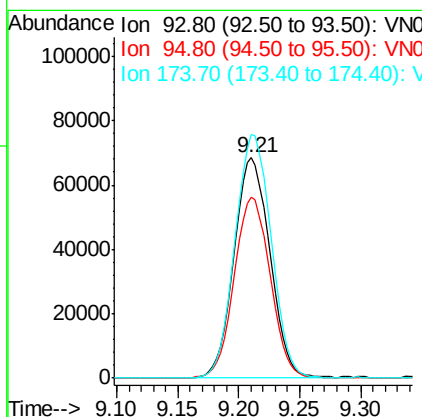
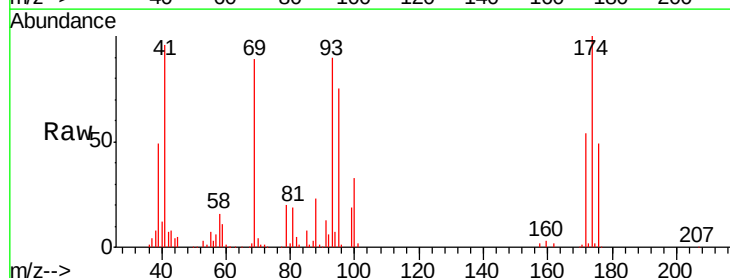
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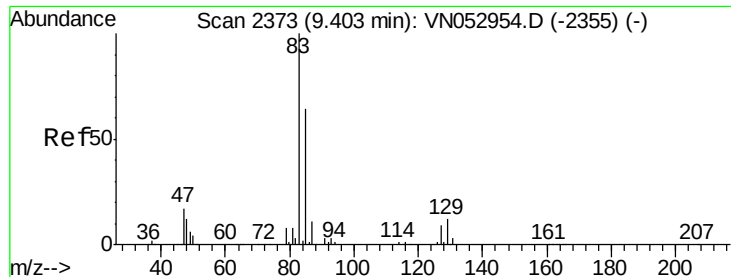
MMDadoda
12/22/2018 10:06:42 AM



#46
Dibromomethane
Concen: 20.890 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 93 Resp: 140528
Ion Ratio Lower Upper
93 100
95 82.0 67.8 101.6
174 111.0 89.0 133.4





#47

Bromodichloromethane

Concen: 19.781 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

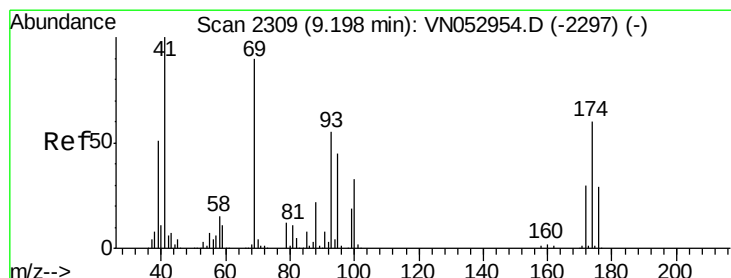
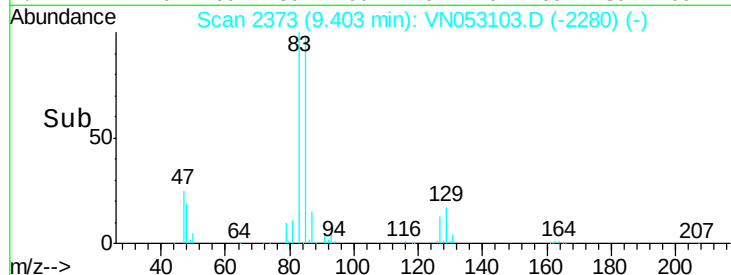
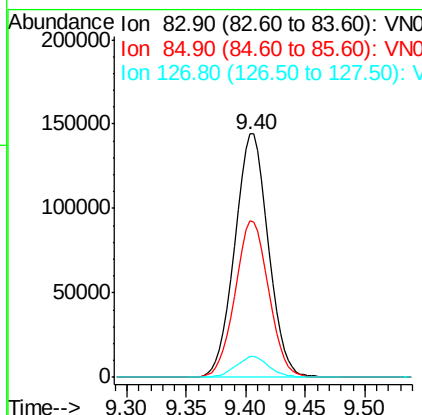
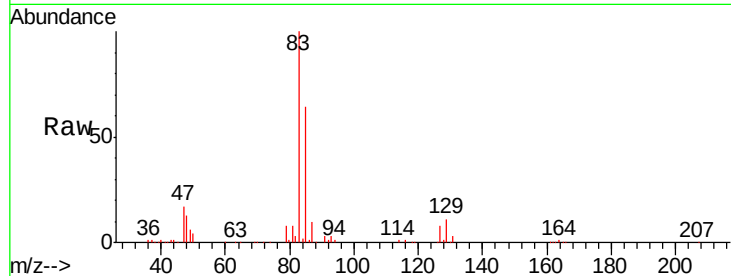
ClientSampleId :

VN1221MBS02

Tgt Ion:	83	Resp:	282856
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.6	77.4
127	8.5	7.1	10.7

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MMDadoda
12/22/2018 10:06:42 AM



#48

Methyl methacrylate

Concen: 22.104 ug/l

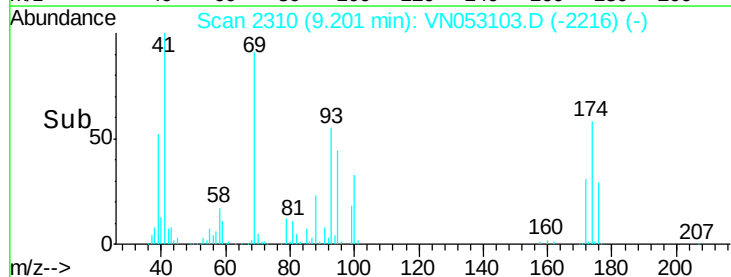
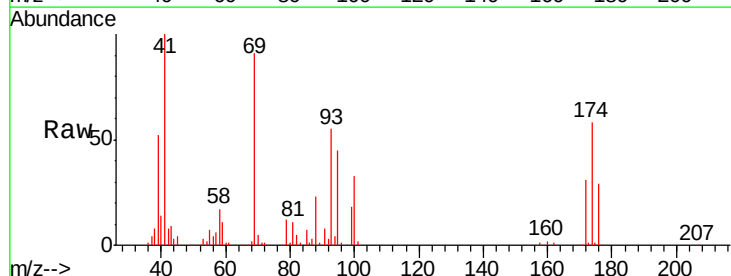
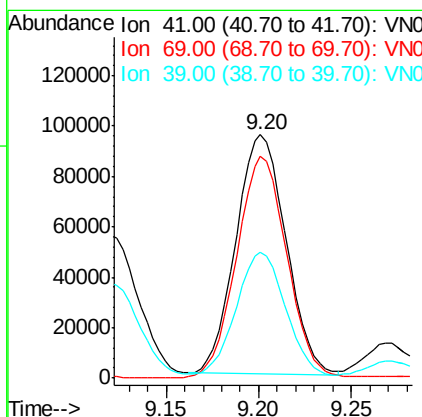
RT: 9.20 min Scan# 2310

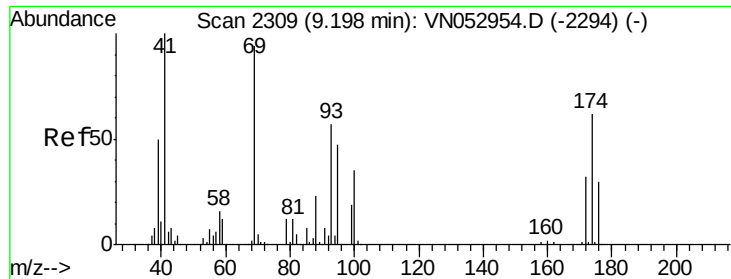
Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt Ion:	41	Resp:	178466
Ion Ratio	Lower	Upper	
41	100		
69	93.3	72.2	108.2
39	52.5	41.9	62.9





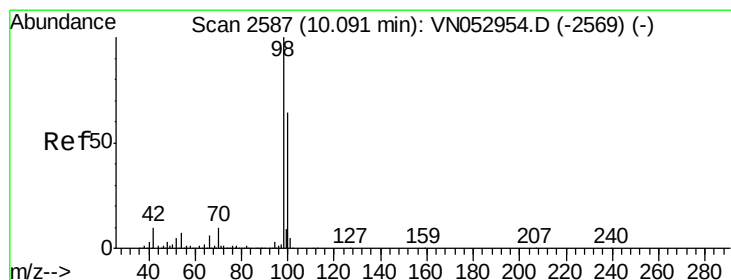
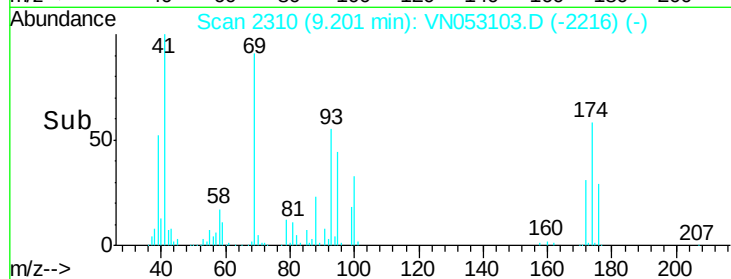
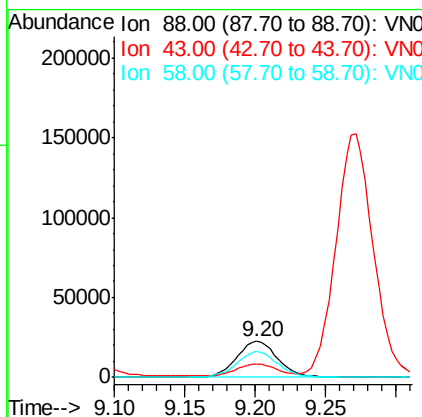
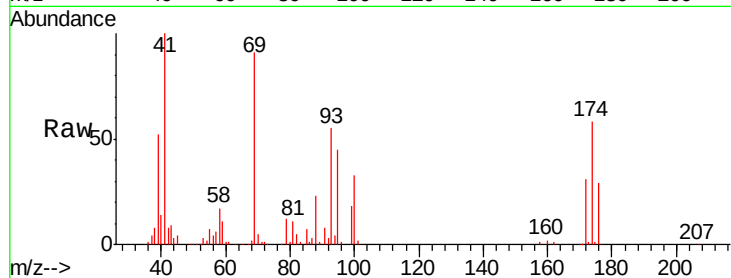
#49
1,4-Dioxane
Concen: 451.705 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.6	40.0
58	72.2	58.4	87.6

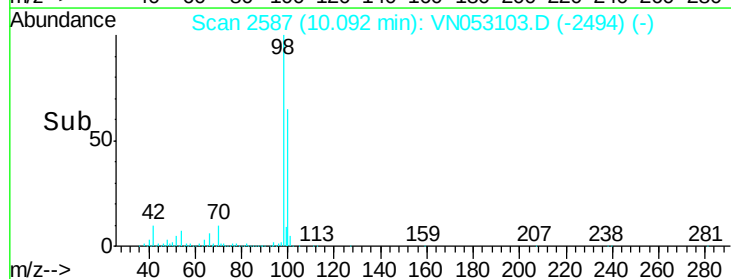
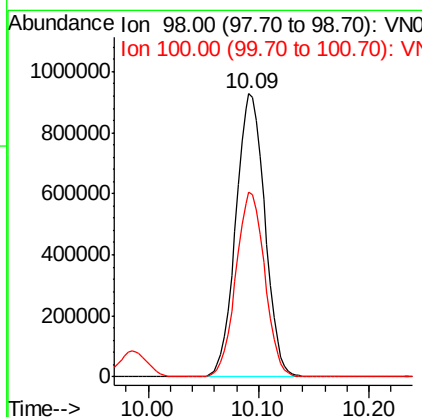
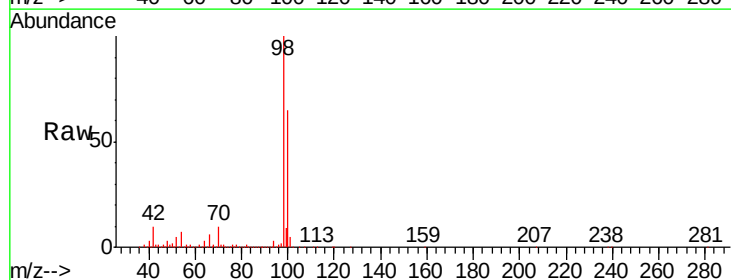
Manual Integrations
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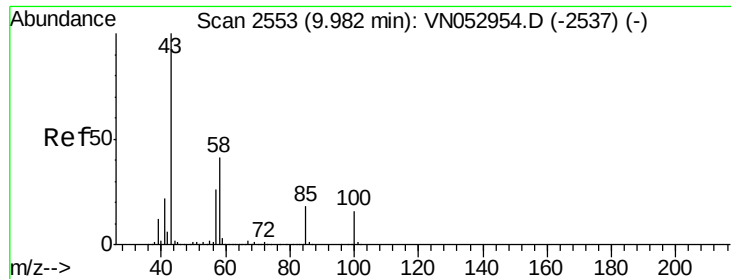
MMDadoda
12/22/2018 10:06:42 AM



#50
Toluene-d8
Concen: 451.705 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 122.600 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 43 Resp: 987893

Ion Ratio Lower Upper

43 100

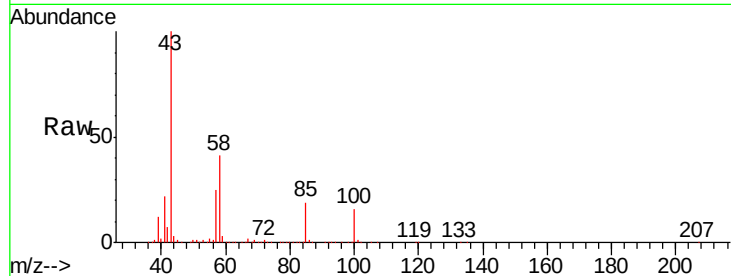
58 40.6 32.2 48.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

100000

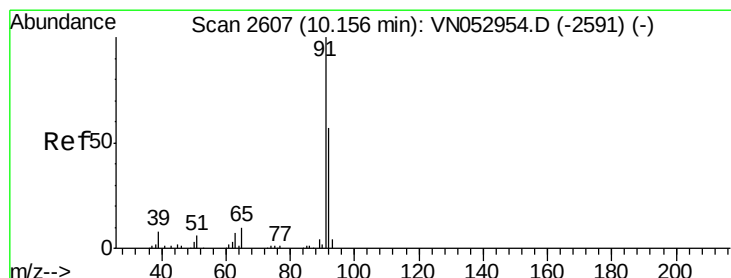
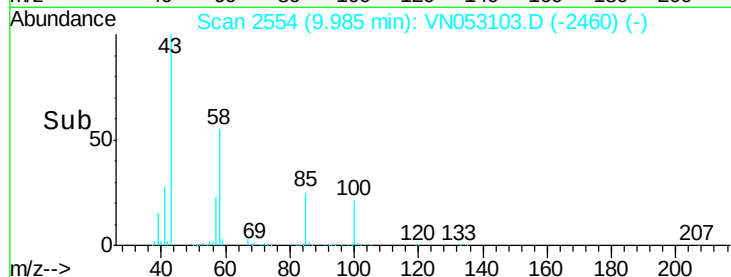
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.081 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053103.D

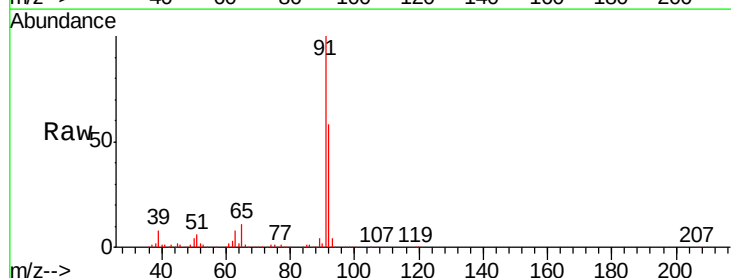
Acq: 21 Dec 2018 15:45

Tgt Ion: 92 Resp: 551828

Ion Ratio Lower Upper

92 100

91 174.0 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

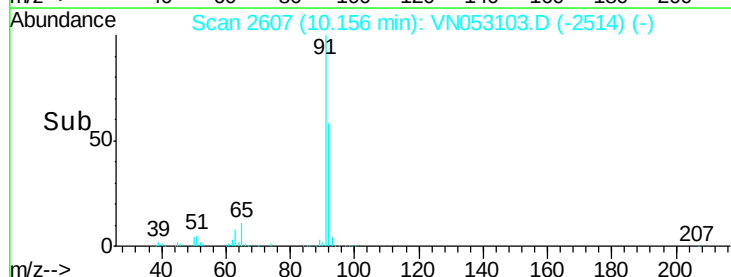
100000

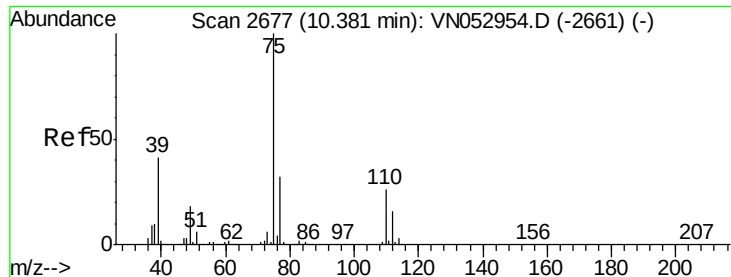
0

10.10

10.20

Time-->





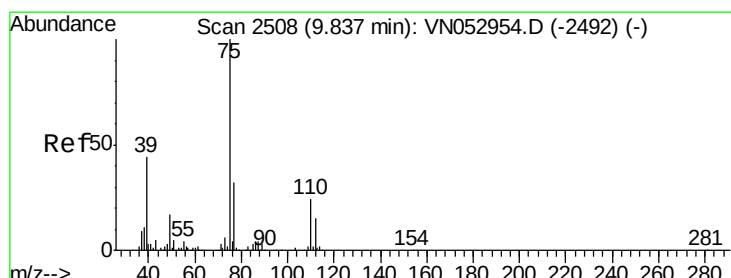
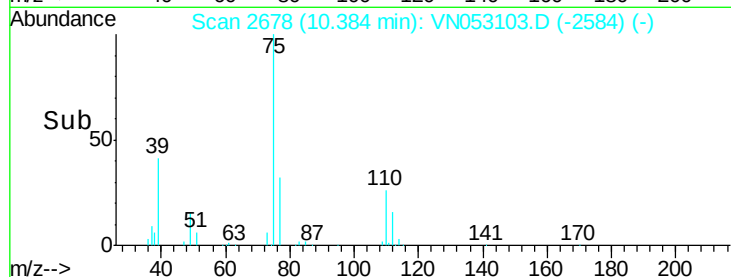
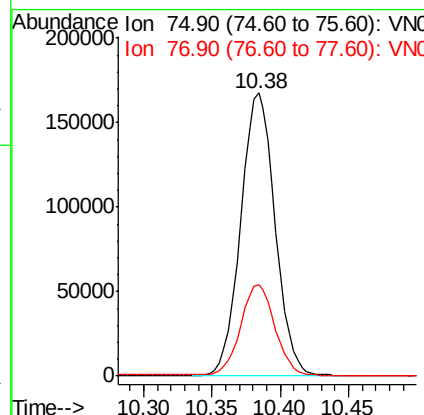
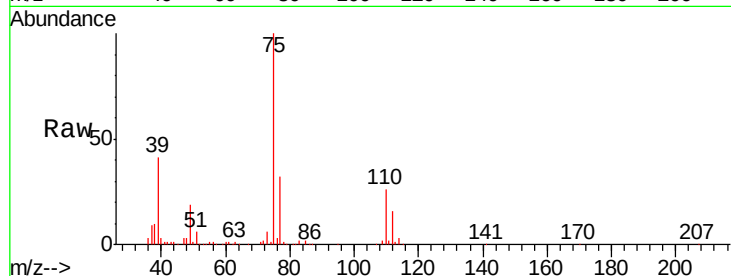
#53
t-1,3-Dichloropropene
Concen: 19.466 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 75 Resp: 292696
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4

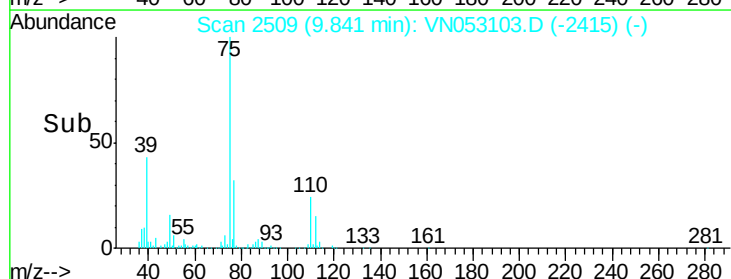
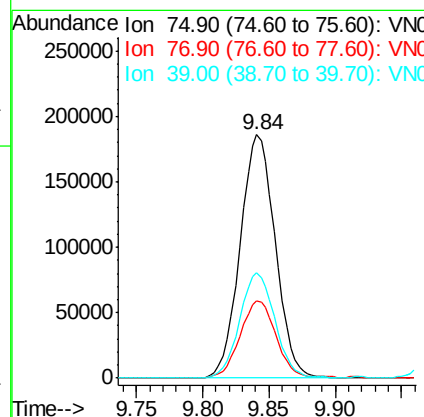
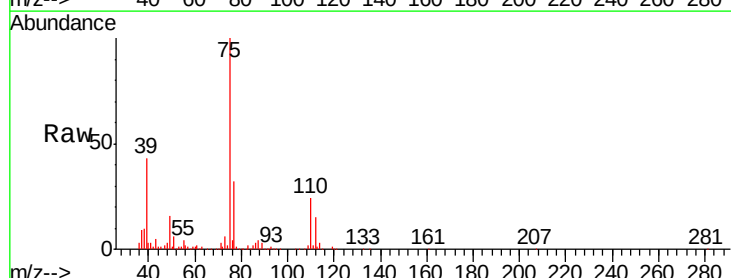
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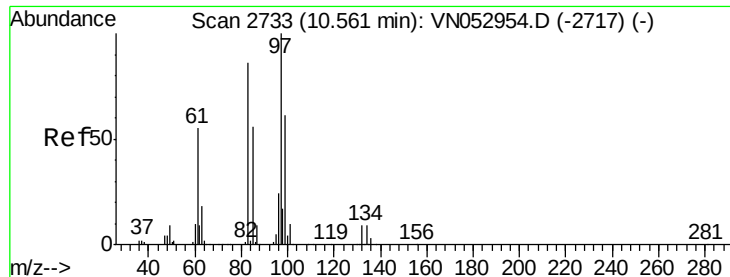
MMDadoda
12/22/2018 10:06:42 AM



#54
cis-1,3-Dichloropropene
Concen: 19.834 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 75 Resp: 342317
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.8
39 42.8 34.8 52.2





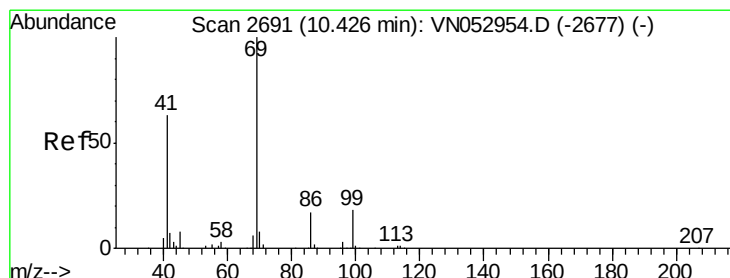
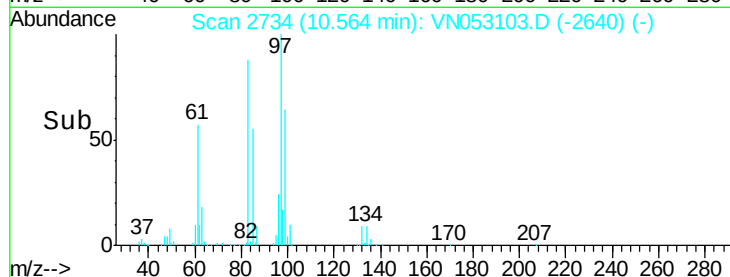
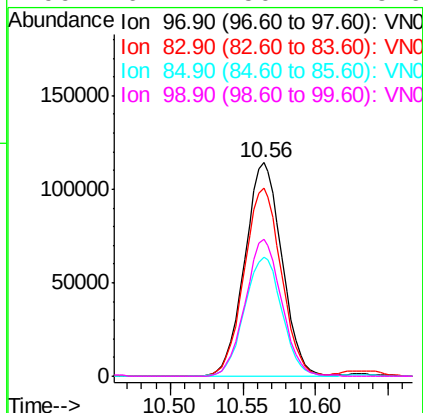
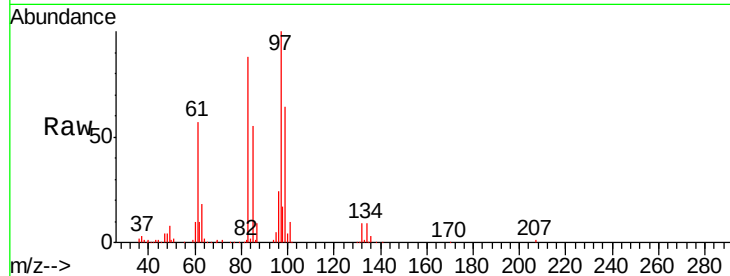
#55
 1,1,2-Trichloroethane
 Concen: 21.276 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.9	106.3
85	55.5	45.4	68.2
99	64.1	50.4	75.6

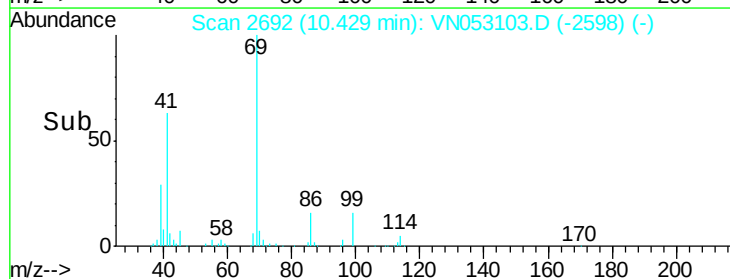
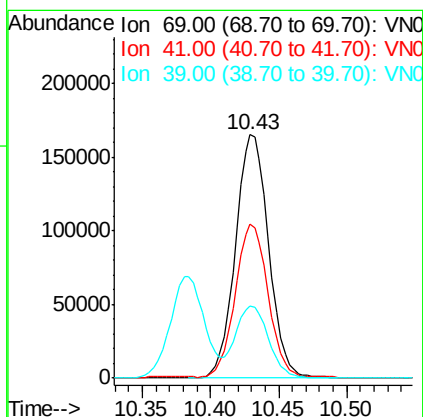
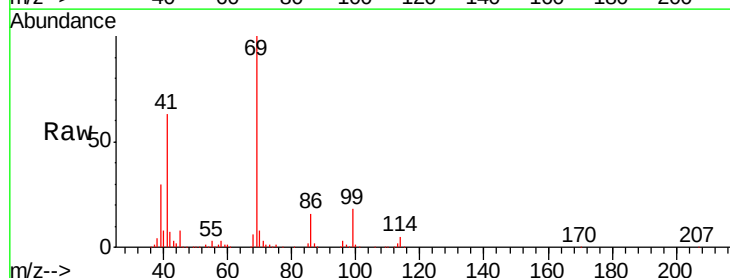
Manual Integrations
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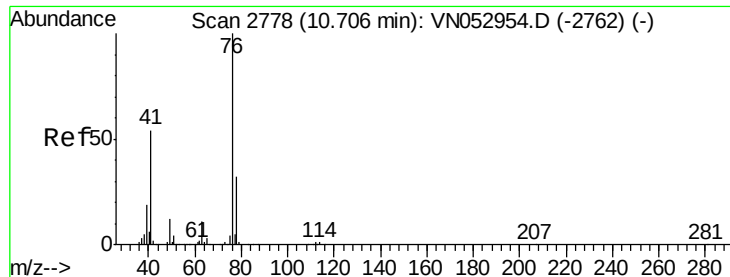
MMDadoda
 12/22/2018 10:06:42 AM



#56
 Ethyl methacrylate
 Concen: 21.990 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.7	77.5
39	30.1	24.6	37.0





#57

1,3-Dichloropropane

Concen: 21.184 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 76 Resp: 348250

Ion Ratio Lower Upper

76 100

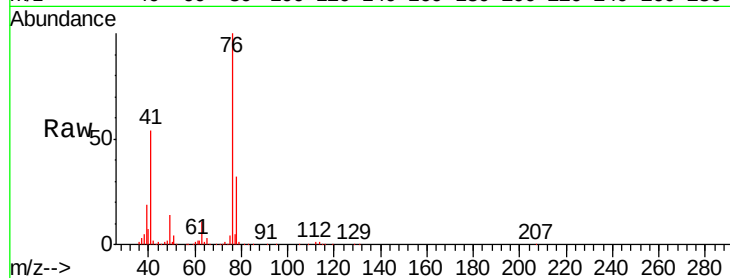
78 31.8 25.8 38.8

Manual Integrations

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12/22/2018 10:06:42 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

150000

100000

50000

0

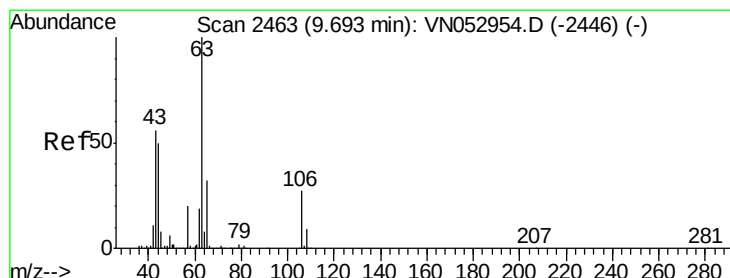
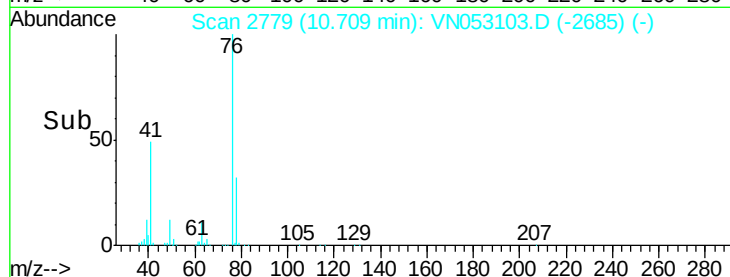
10.71

10.60

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 112.876 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053103.D

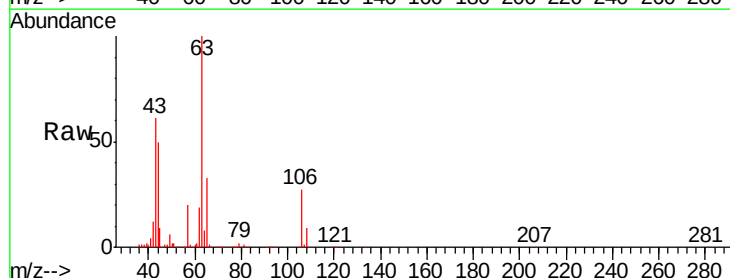
Acq: 21 Dec 2018 15:45

Tgt Ion: 63 Resp: 786316

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

500000

400000

300000

200000

100000

0

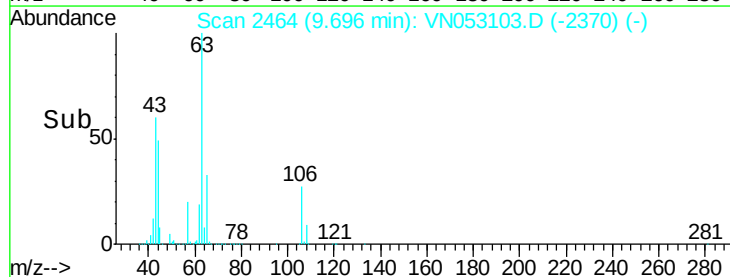
9.70

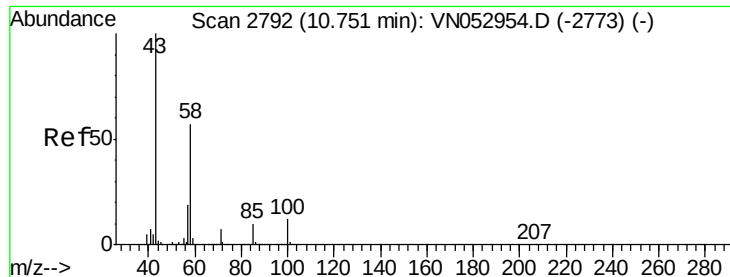
9.60

9.70

9.80

Time-->





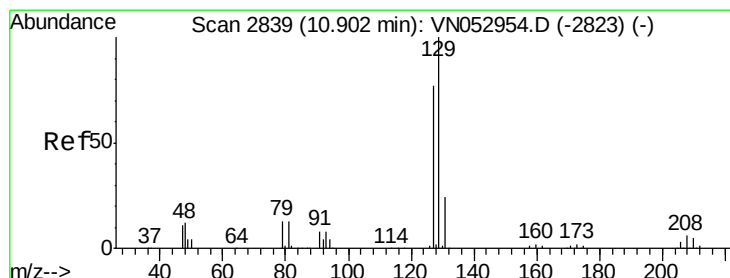
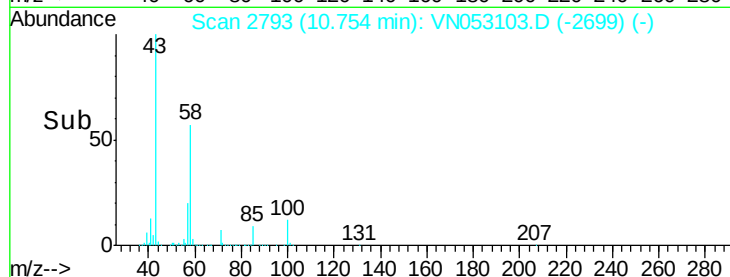
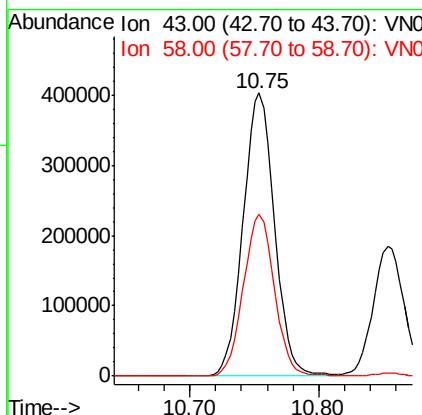
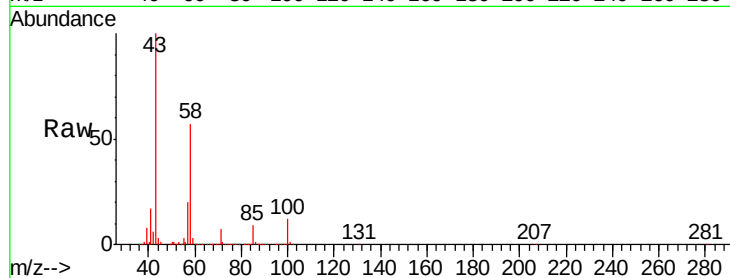
#59
2-Hexanone
Concen: 124.633 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 43 Resp: 679472
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3

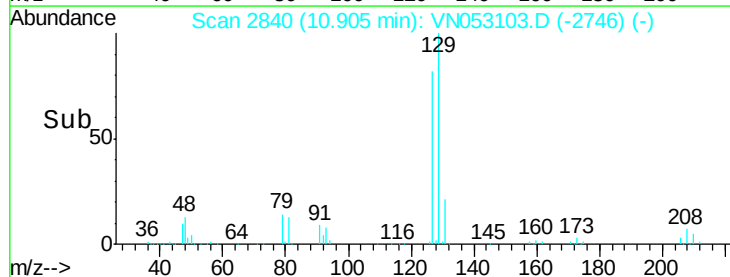
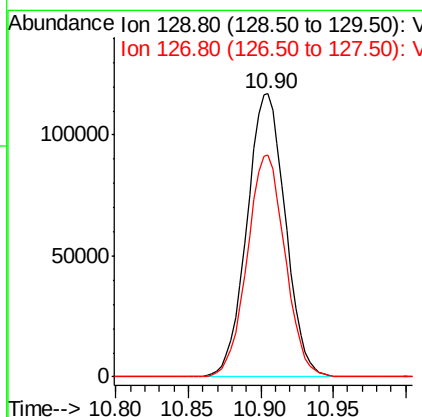
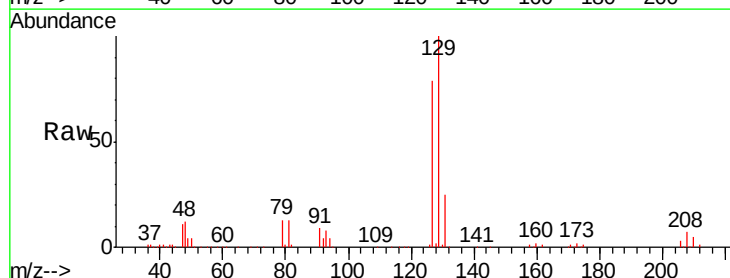
Manual Integrations
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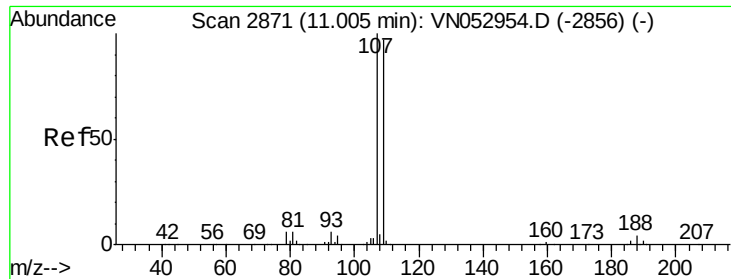
MMDadoda
12/22/2018 10:06:42 AM



#60
Dibromochloromethane
Concen: 19.719 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 129 Resp: 216392
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.982 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 107 Resp: 204283

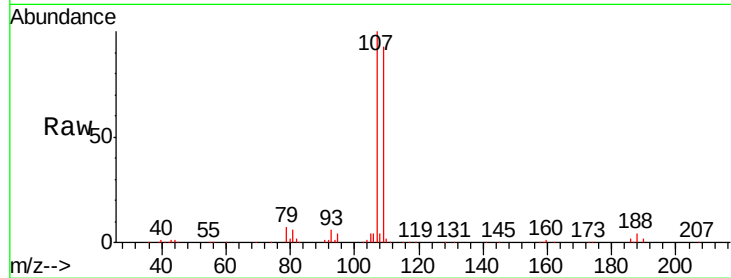
Ion Ratio Lower Upper

107 100

109 94.1 75.4 113.0

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12/22/2018 10:06:42 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

120000

100000

80000

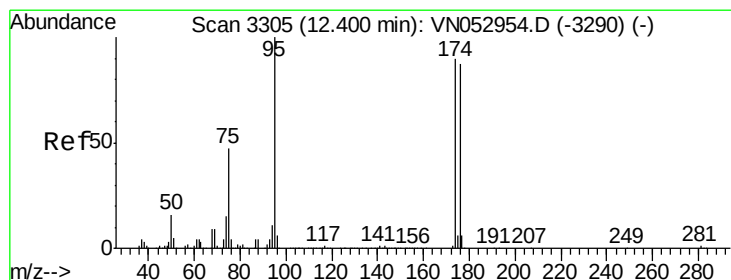
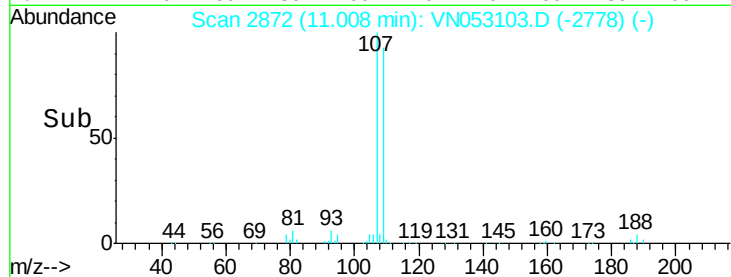
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 20.982 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

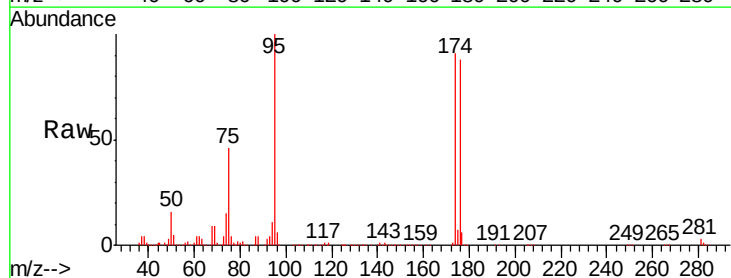
Tgt Ion: 95 Resp: 595980

Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.8

176 86.9 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

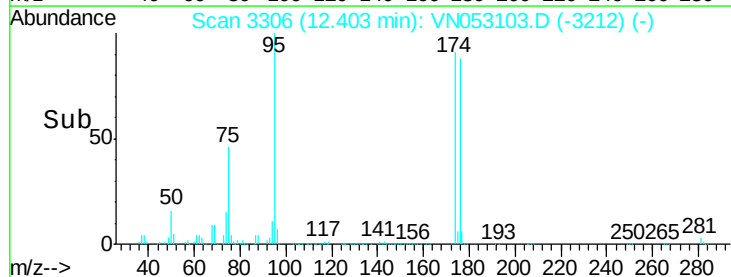
300000

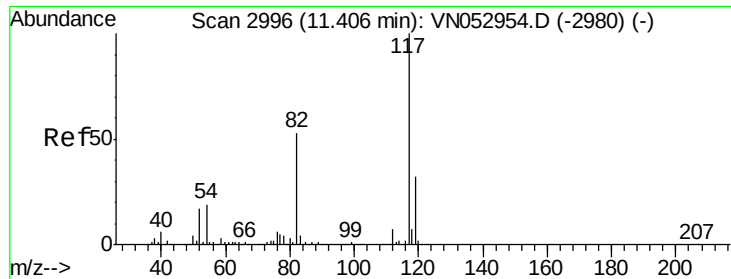
200000

100000

0

Time--> 12.30 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion:117 Resp: 1382882

Ion Ratio Lower Upper

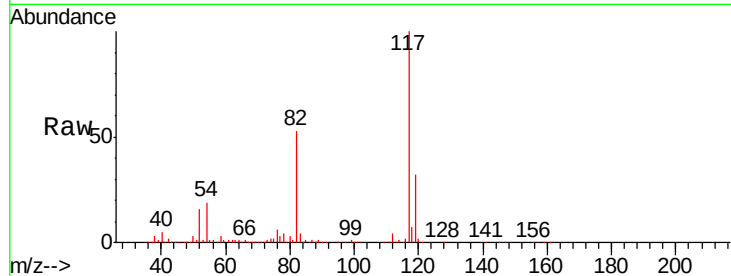
117 100

82 53.2 42.8 64.2

119 32.3 25.5 38.3

Manual Integrations
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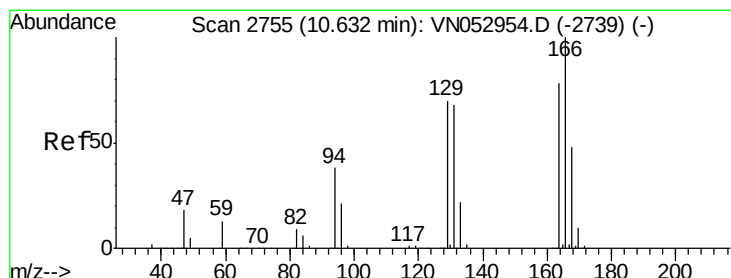
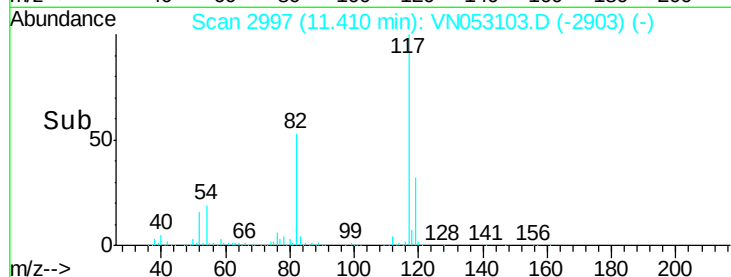
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V

11.41

Time--> 11.30 11.40 11.50



#64

Tetrachloroethene

Concen: 17.321 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt Ion:164 Resp: 259465

Ion Ratio Lower Upper

164 100

166 126.4 102.9 154.3

129 92.0 73.7 110.5

131 86.1 70.7 106.1

Abundance Ion 163.80 (163.50 to 164.50): V

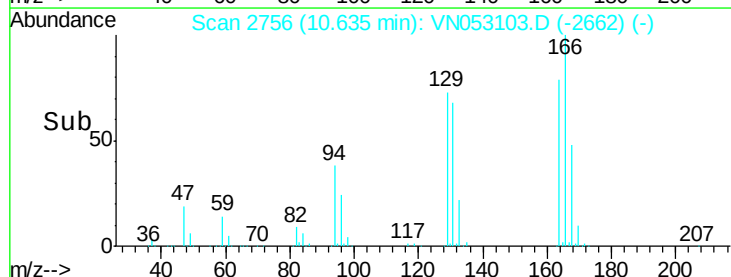
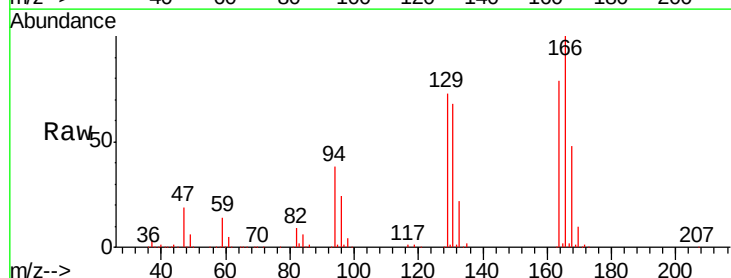
Ion 165.80 (165.50 to 166.50): V

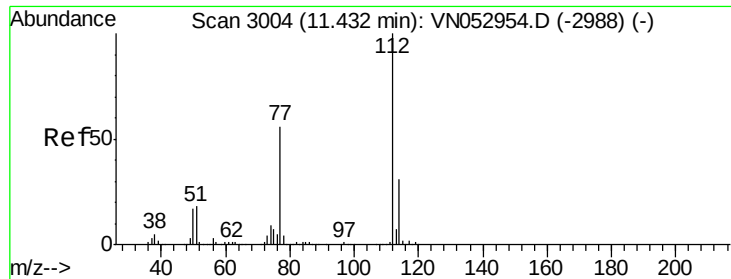
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

10.63

Time--> 10.55 10.60 10.65 10.70





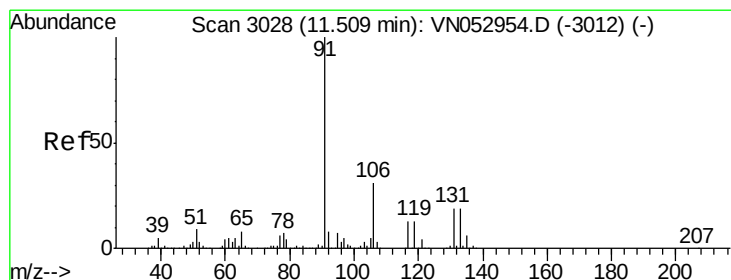
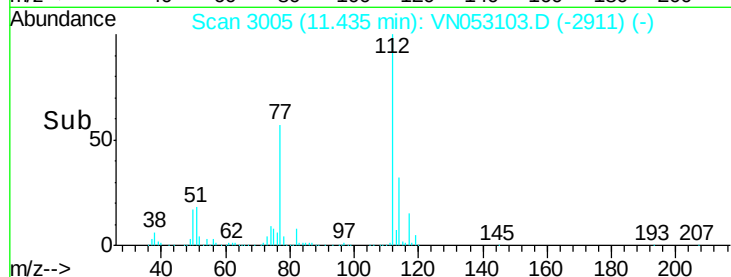
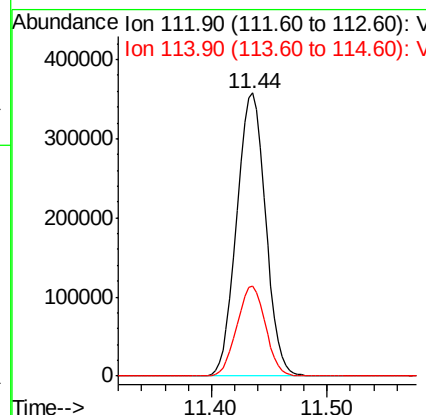
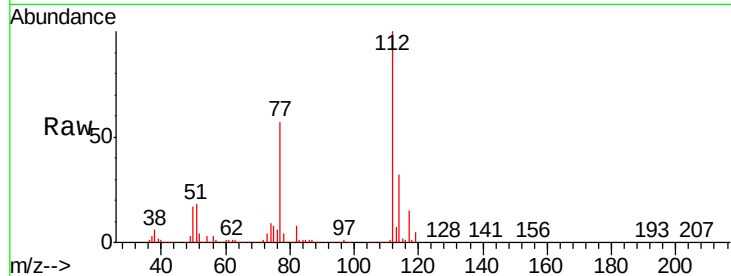
#65
Chlorobenzene
Concen: 20.039 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion:112 Resp: 614291
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3

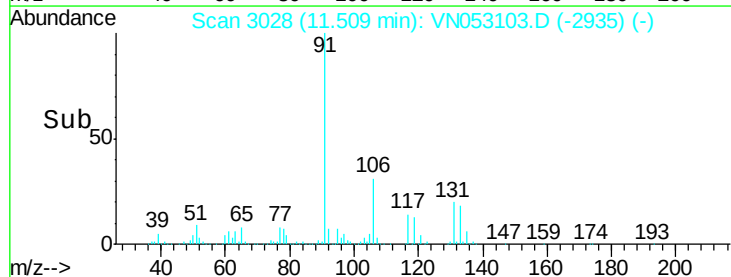
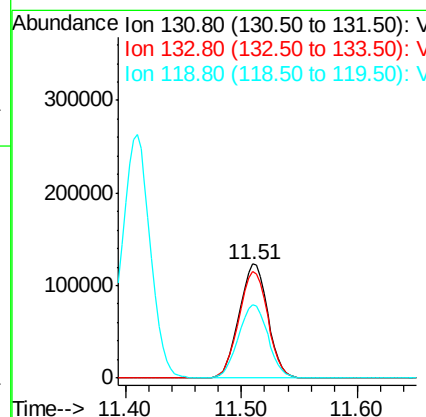
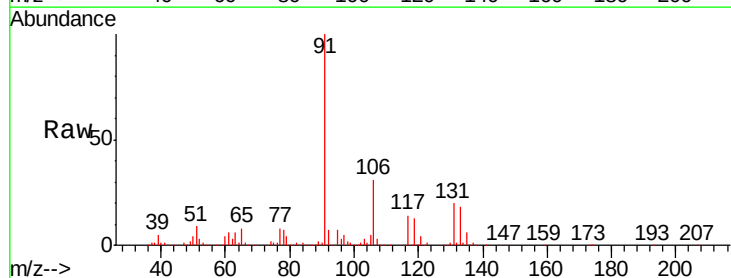
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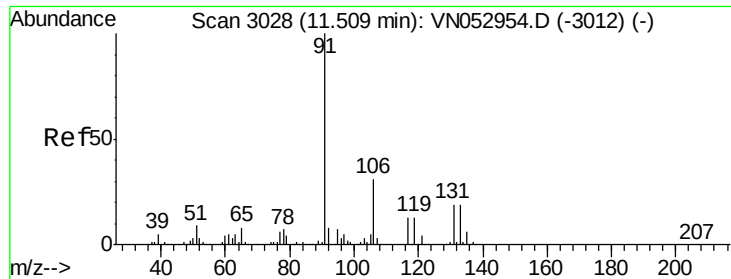
MMDadoda
12/22/2018 10:06:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.849 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion:131 Resp: 211586
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.9
119 65.8 33.3 99.8





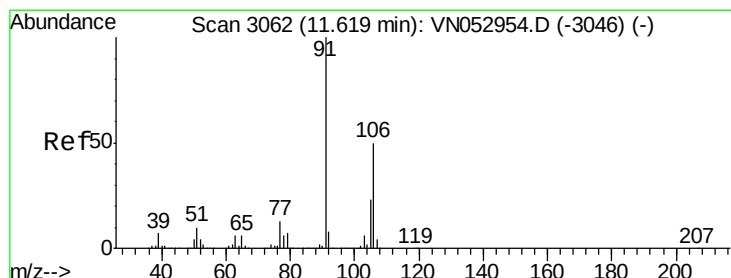
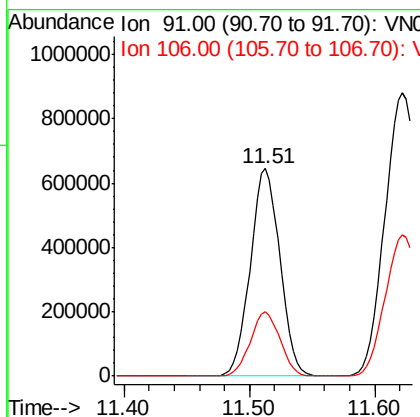
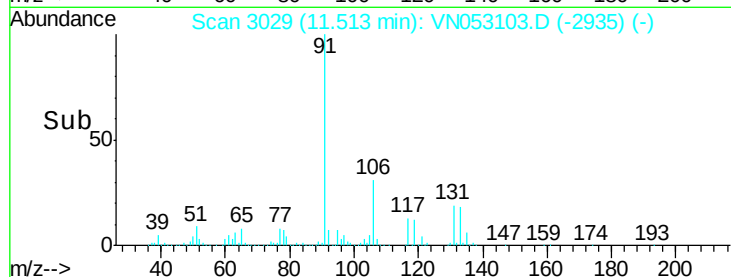
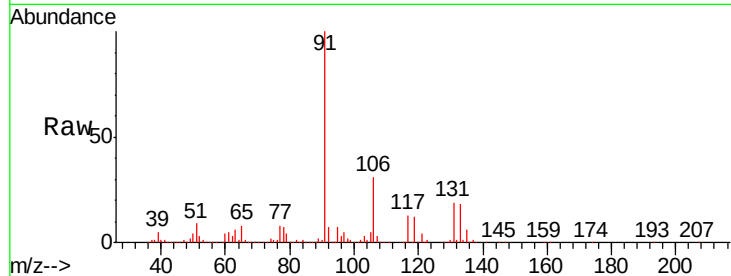
#67
Ethyl Benzene
Concen: 20.093 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 91 Resp: 1059252
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3

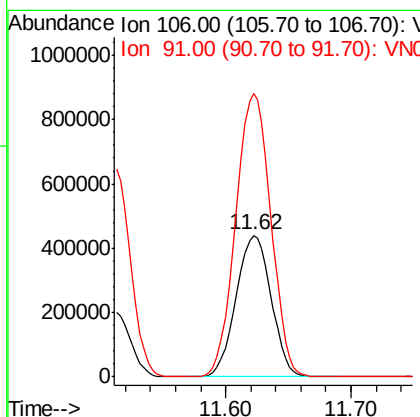
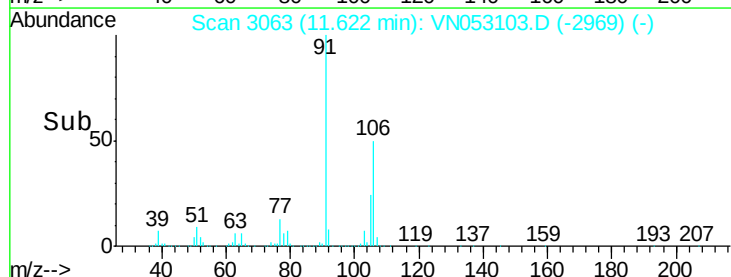
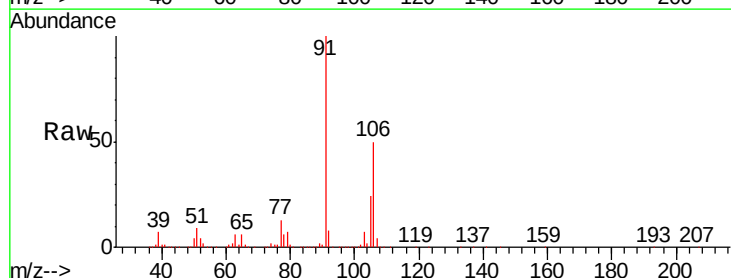
Manual Integrations
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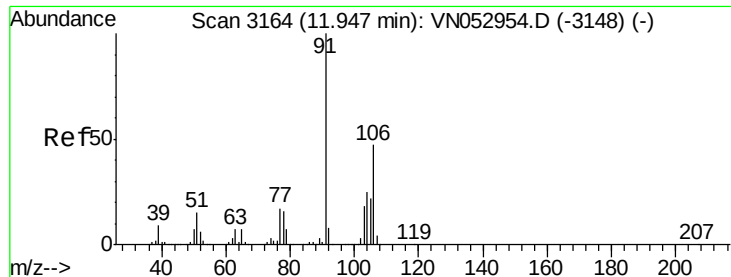
MMDadoda
12/22/2018 10:06:42 AM



#68
m/p-Xylenes
Concen: 42.499 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 106 Resp: 851723
Ion Ratio Lower Upper
106 100
91 200.9 162.2 243.4





#69

o-Xylene

Concen: 20.429 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion:106 Resp: 392870

Ion Ratio Lower Upper

106 100

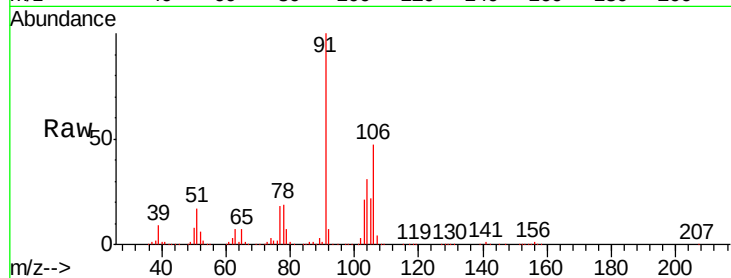
91 214.1 106.6 319.8

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

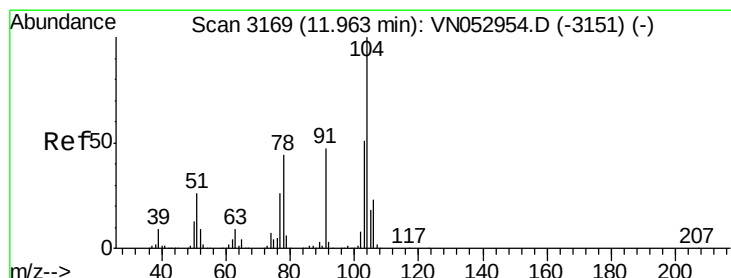
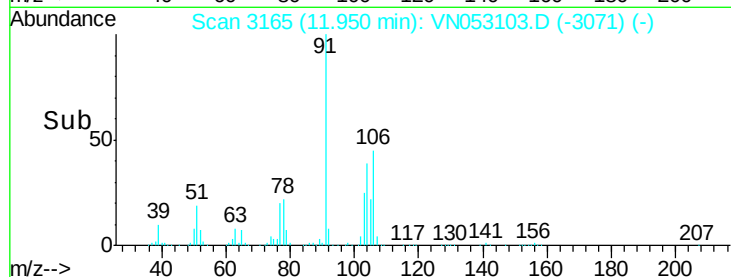
200000

100000

0

11.95

Time-->



#70

Styrene

Concen: 20.408 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

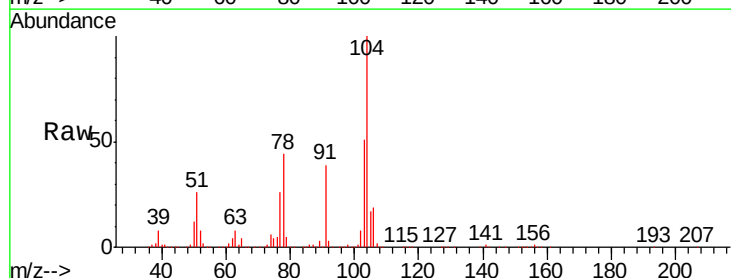
Tgt Ion:104 Resp: 639953

Ion Ratio Lower Upper

104 100

78 48.8 38.9 58.3

103 56.0 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

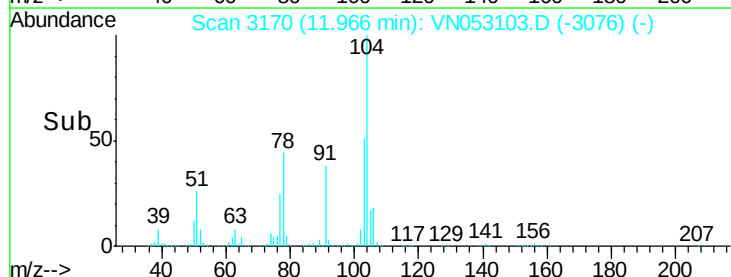
200000

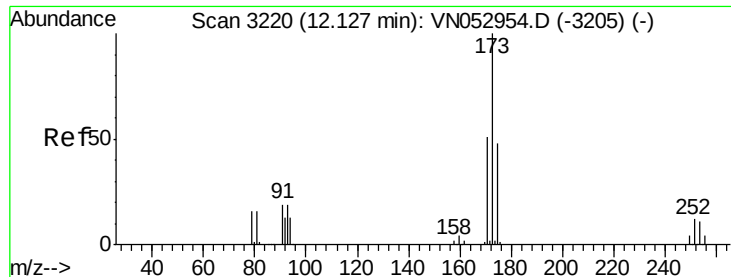
100000

0

11.97

Time-->





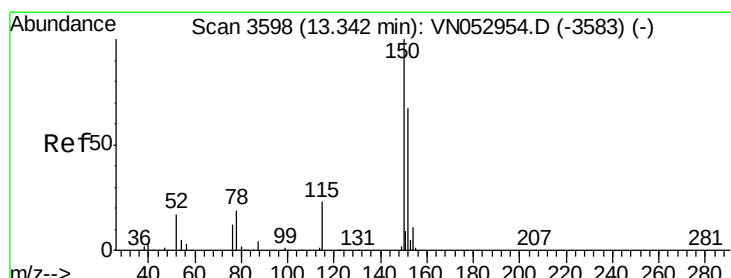
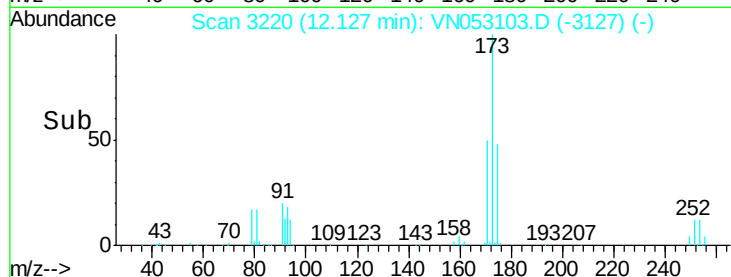
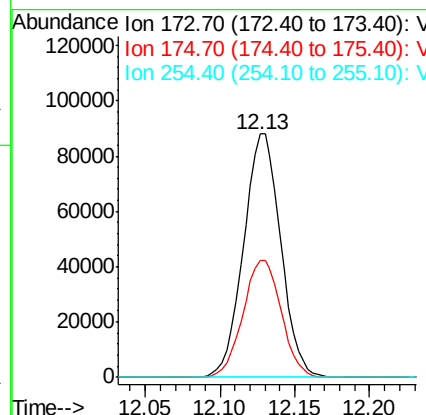
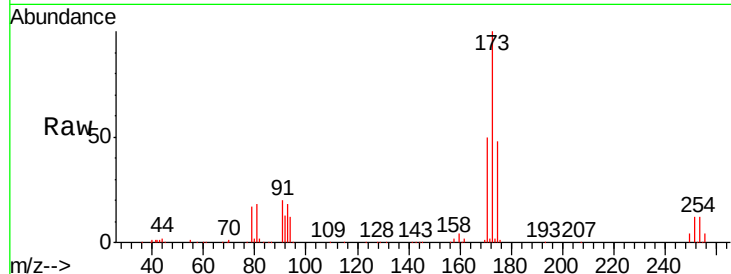
#71
Bromoform
Concen: 19.773 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

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

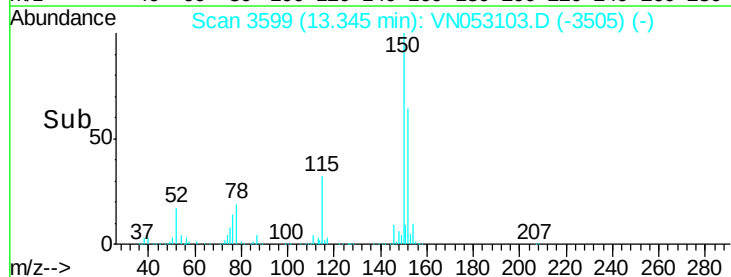
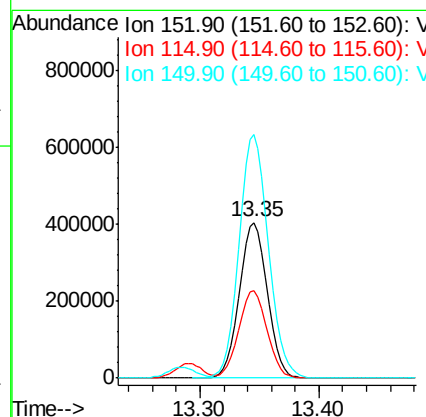
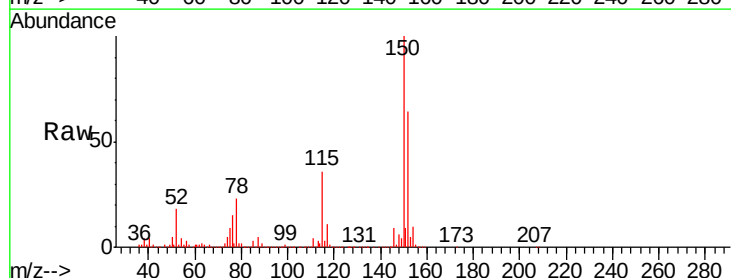
Manual Integrations
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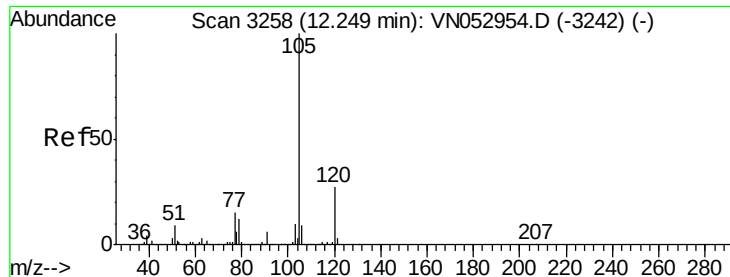
MMDadoda
12/22/2018 10:06:42 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.3	85.0
150	164.1	0.0	347.8





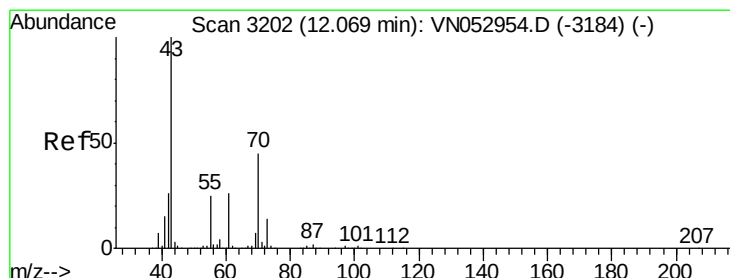
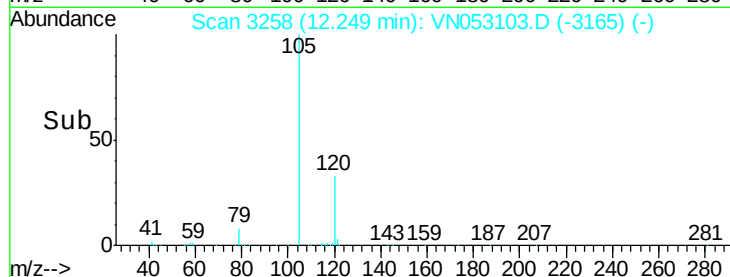
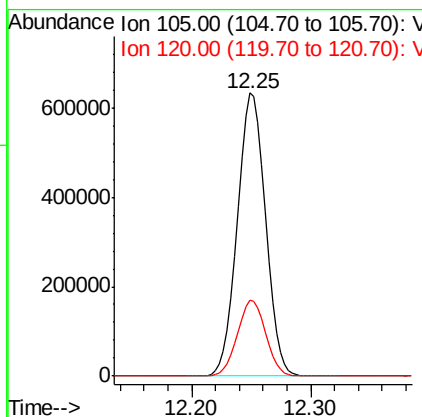
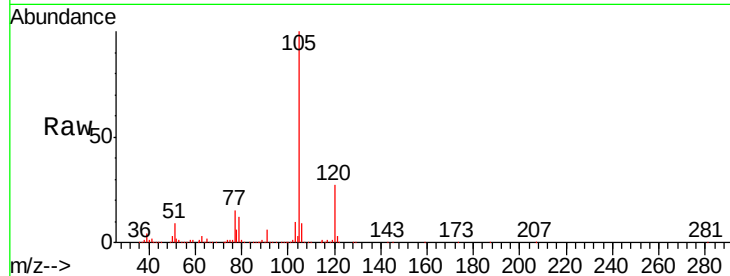
#73
Isopropylbenzene
Concen: 20.154 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 105 Resp: 1038873
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9

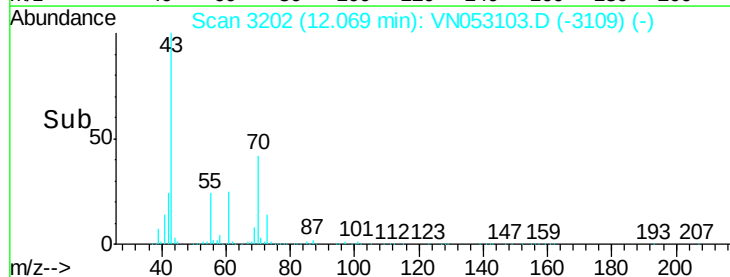
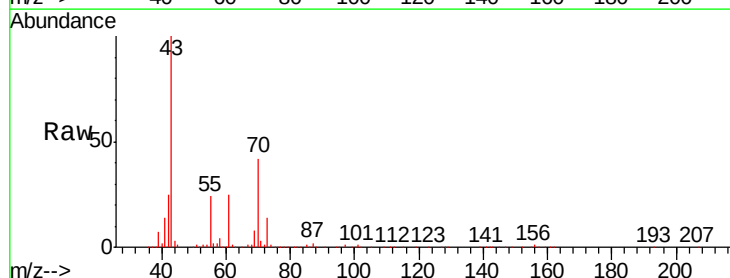
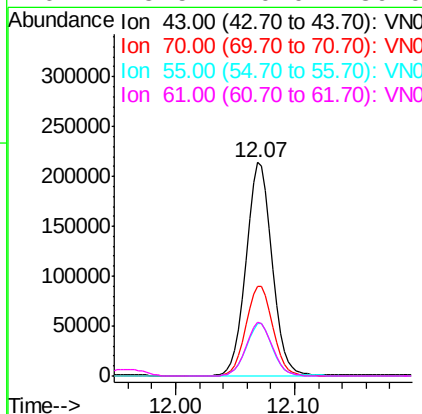
Manual Integrations
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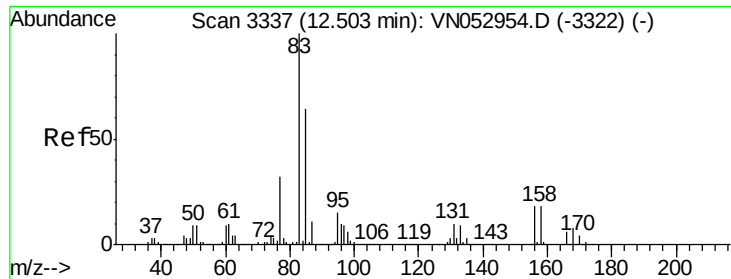
MMDadoda
12/22/2018 10:06:42 AM



#74
N-ethyl acetate
Concen: 22.590 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 43 Resp: 323290
Ion Ratio Lower Upper
43 100
70 43.8 34.2 51.4
55 24.9 20.3 30.5
61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.512 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 83 Resp: 247877
Ion Ratio Lower Upper

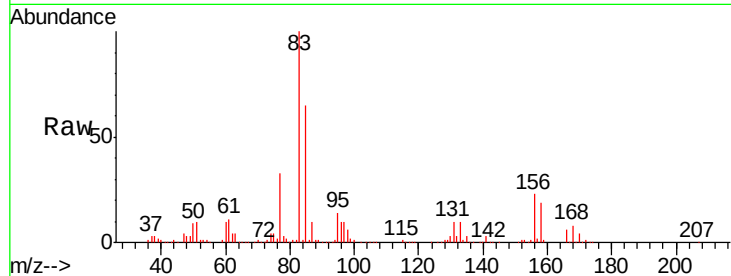
83 100

131 10.9 5.2 15.6

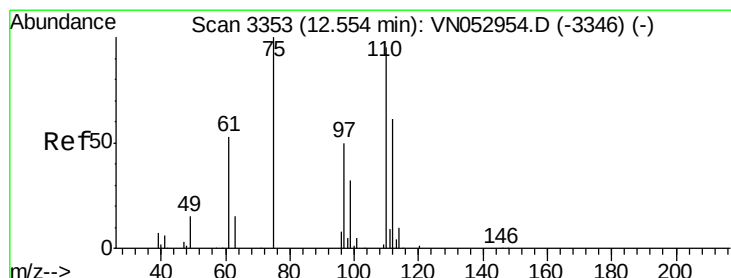
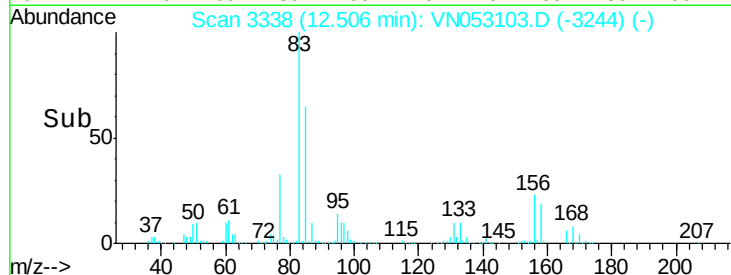
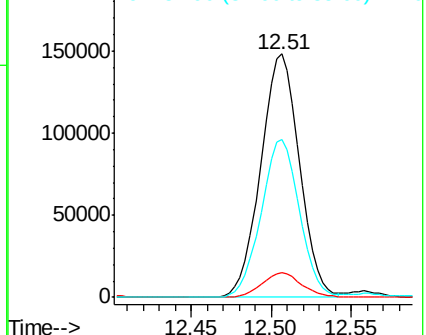
85 64.0 32.4 97.0

Manual Integrations
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12/22/2018 10:06:42 AM



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



#76

1,2,3-Trichloropropane

Concen: 19.923 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

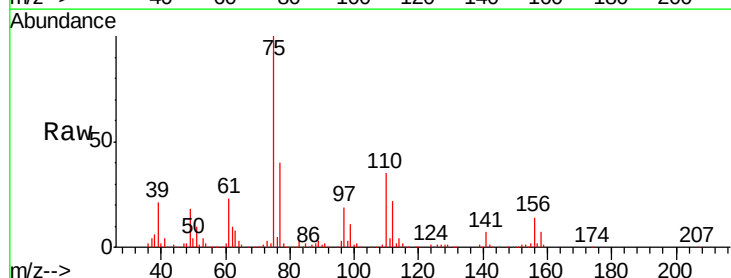
Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

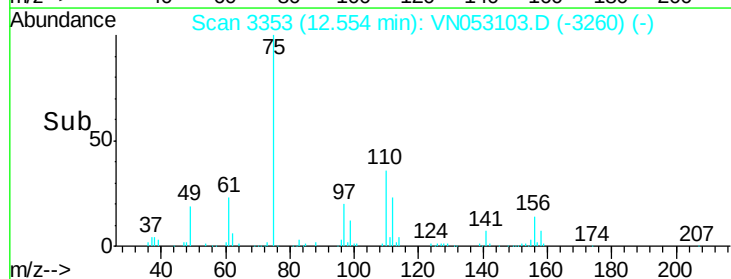
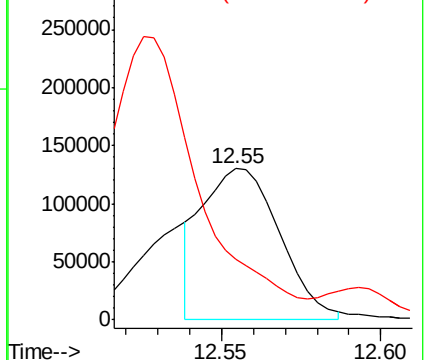
Tgt Ion: 75 Resp: 220949
Ion Ratio Lower Upper

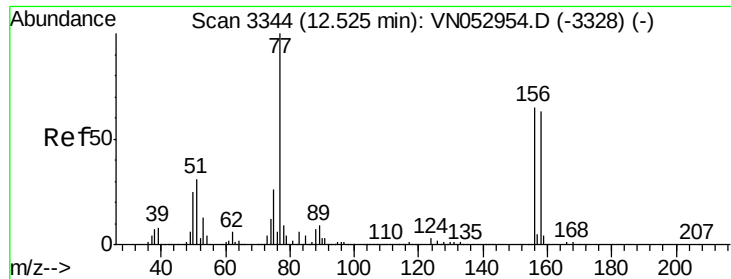
75 100

77 0.0 0.0 0.0



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





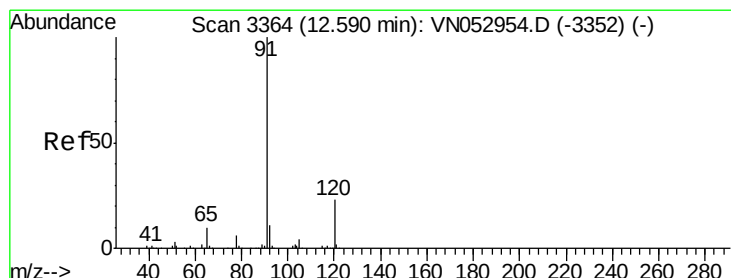
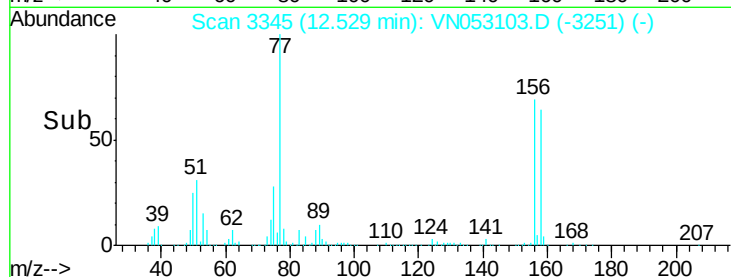
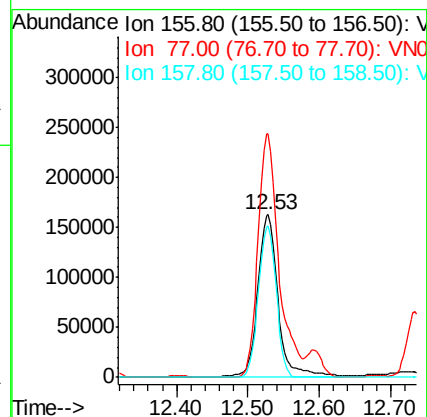
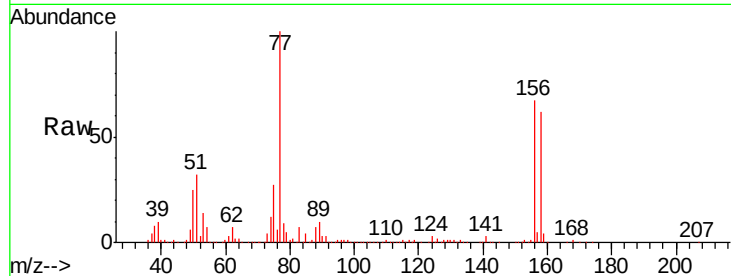
#77
Bromobenzene
Concen: 24.203 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	151.9	91.3	273.8
158	80.8	49.0	147.2

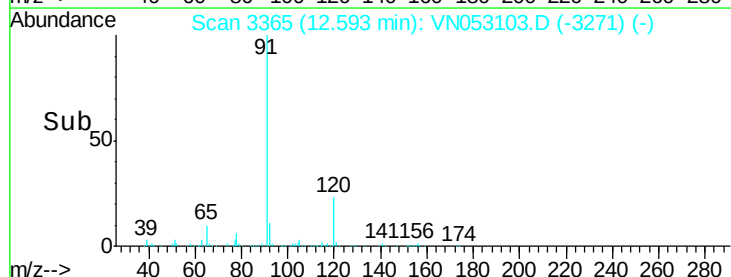
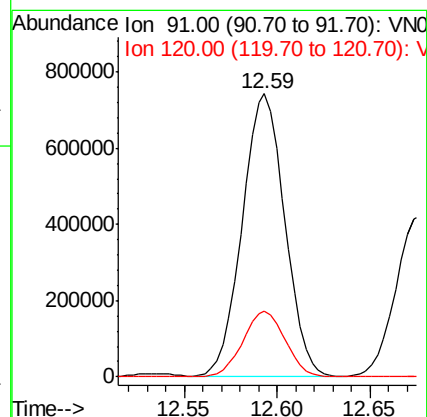
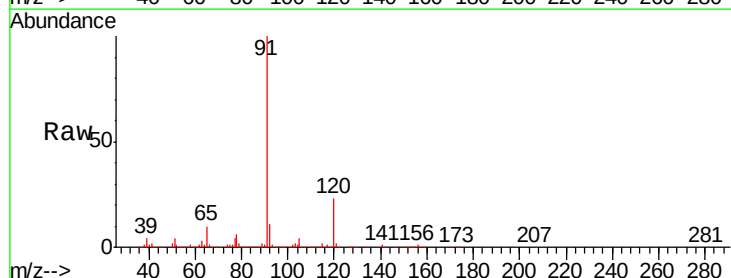
Manual Integrations
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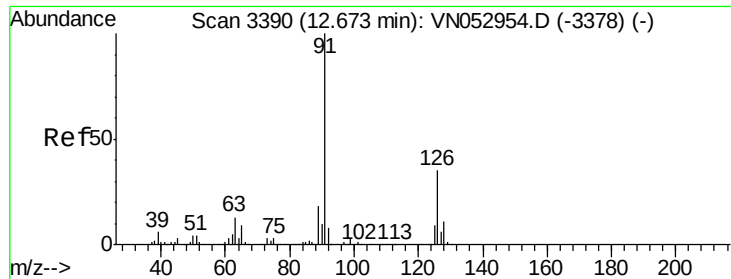
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#78
n-propylbenzene
Concen: 20.001 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.166 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 91 Resp: 697414

Ion Ratio Lower Upper

91 100

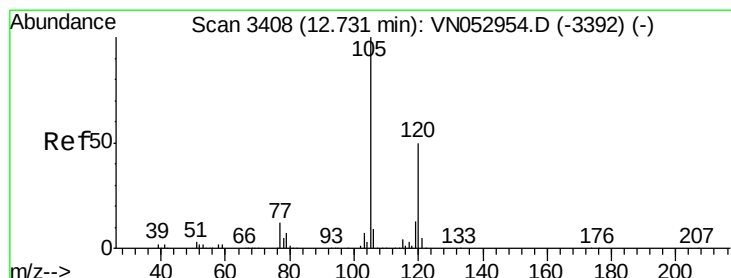
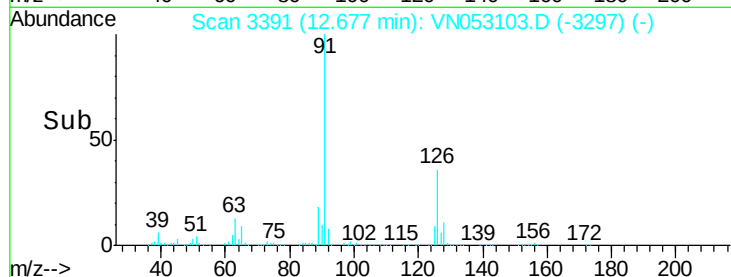
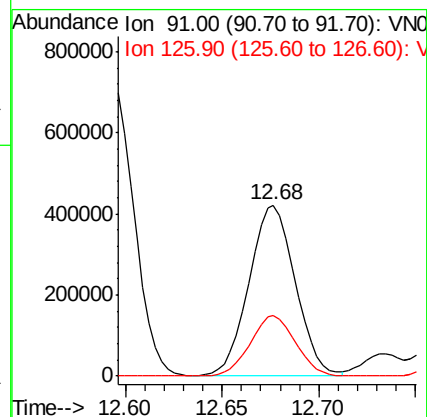
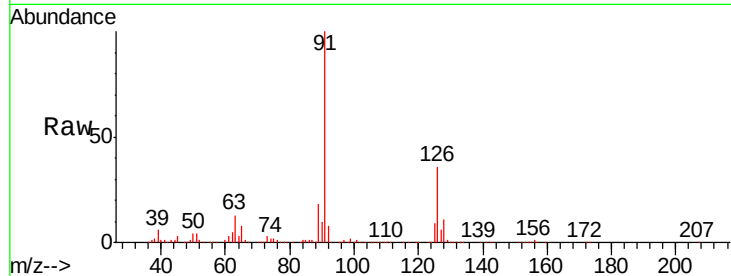
126 35.0 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 19.924 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053103.D

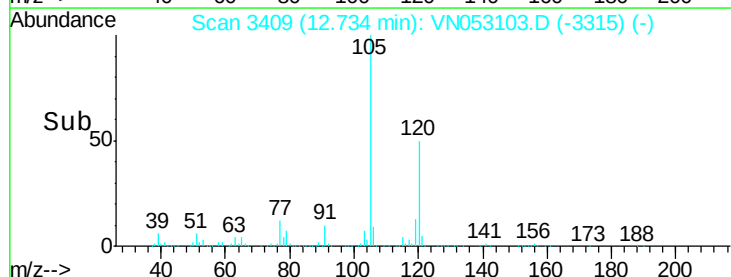
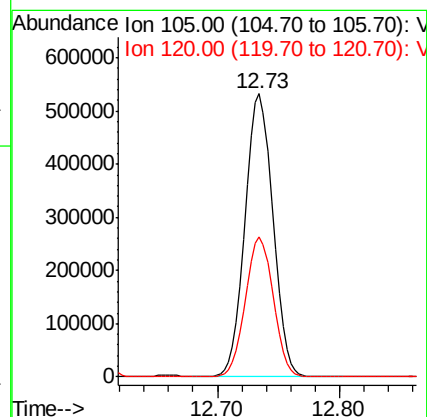
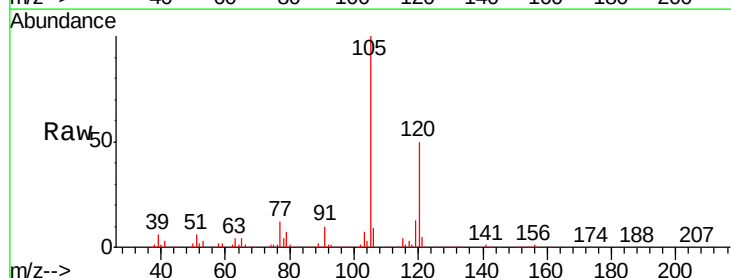
Acq: 21 Dec 2018 15:45

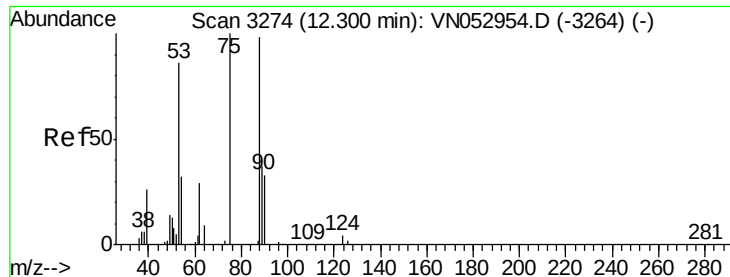
Tgt Ion: 105 Resp: 837111

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





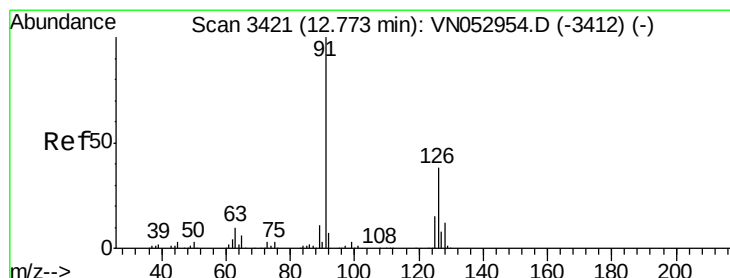
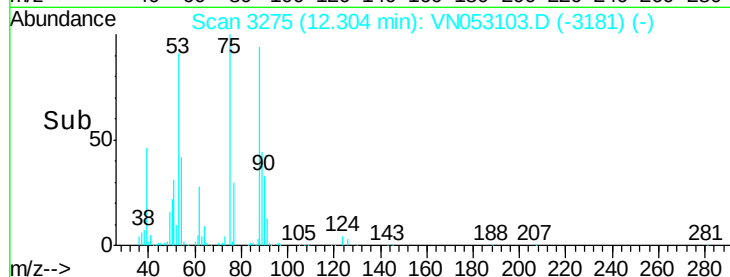
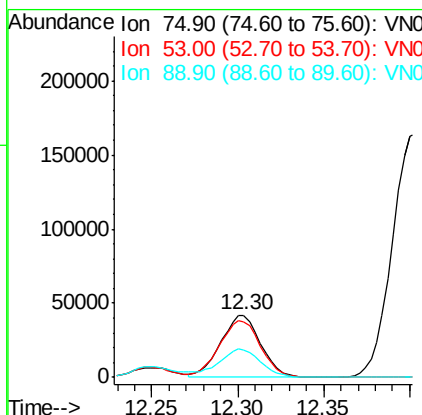
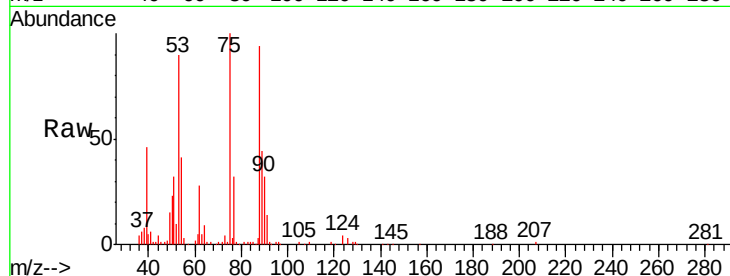
#81
trans-1,4-Dichloro-2-butene
Concen: 19.588 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 75 Resp: 67398
Ion Ratio Lower Upper
75 100
53 94.7 74.7 112.1
89 48.5 36.1 54.1

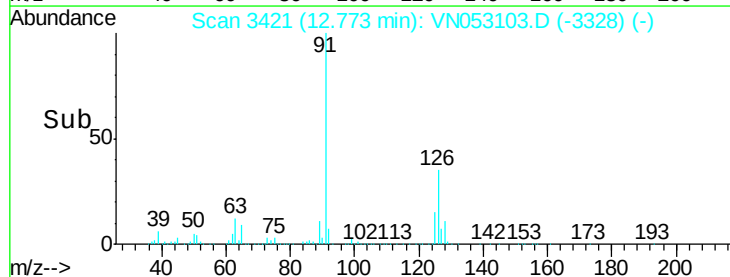
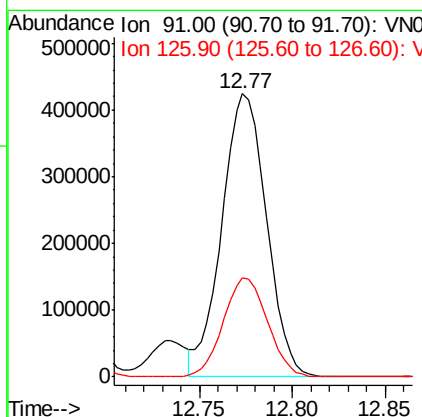
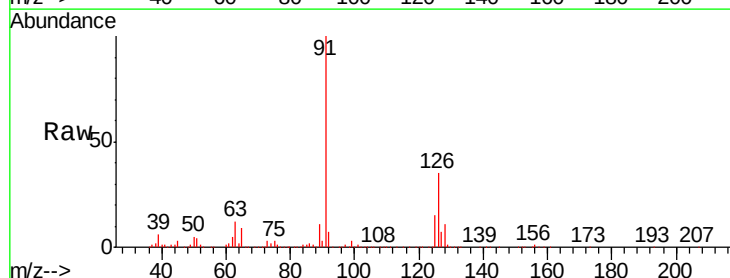
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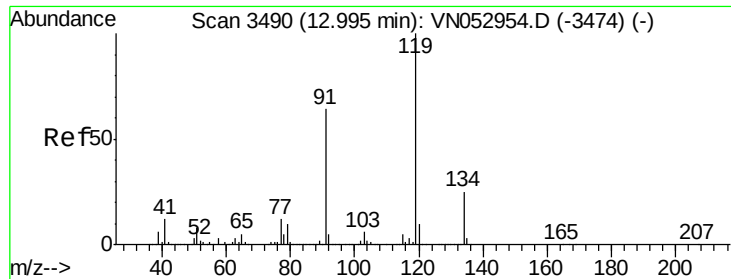
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#82
4-Chlorotoluene
Concen: 19.835 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion: 91 Resp: 706564
Ion Ratio Lower Upper
91 100
126 34.8 17.3 51.7





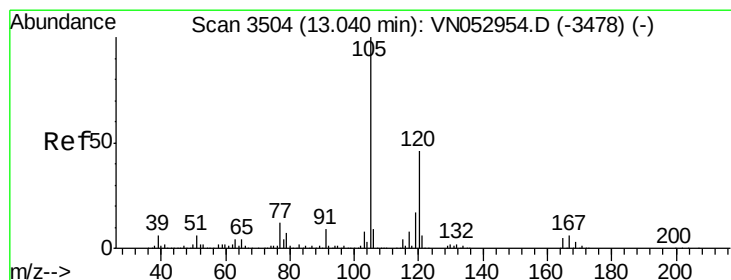
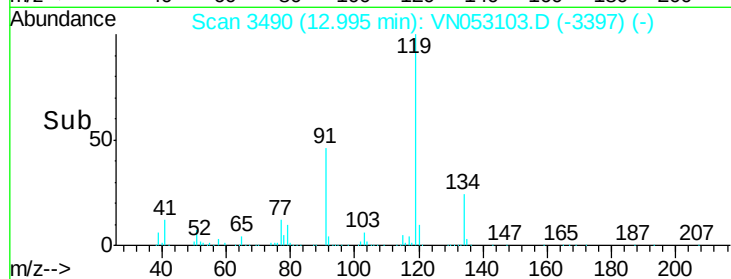
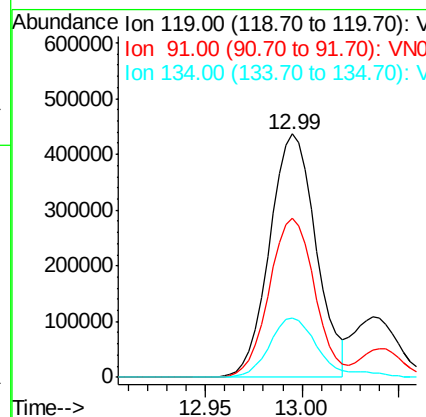
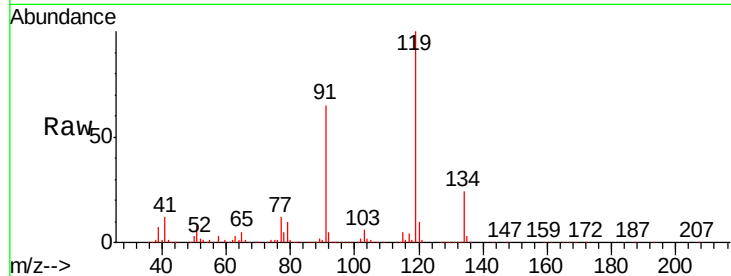
#83
 tert-Butylbenzene
 Concen: 19.569 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.3	31.9	95.5
134	26.1	12.8	38.4

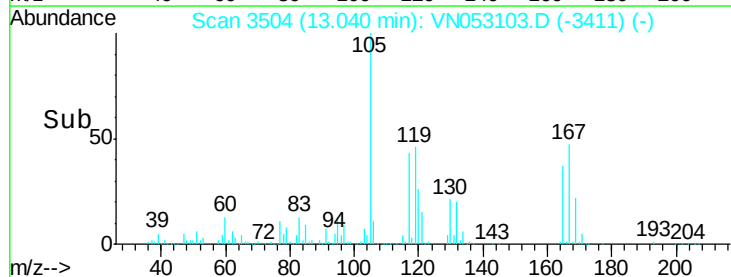
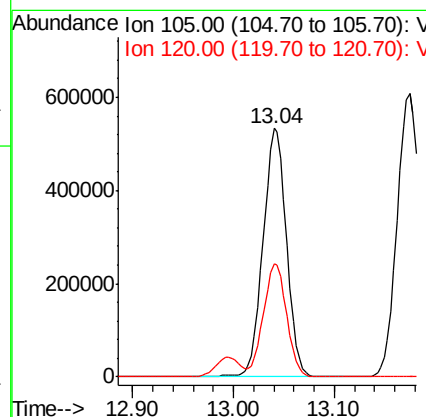
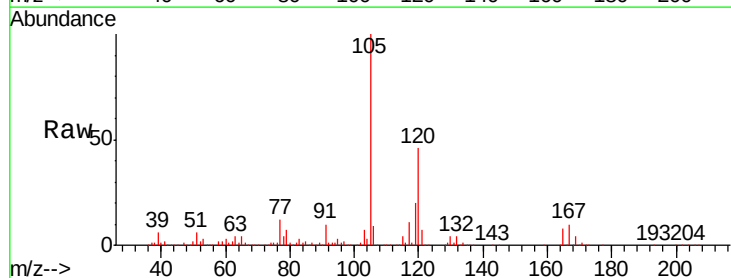
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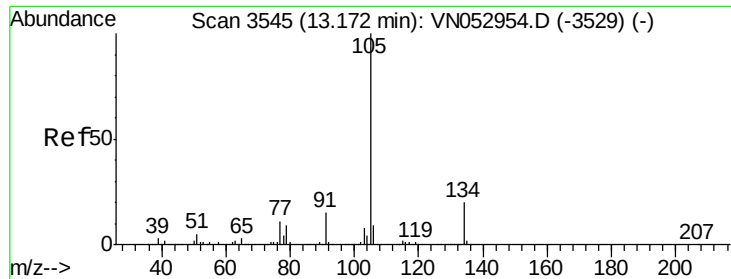
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.232 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 19.364 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion:105 Resp: 973240

Ion Ratio Lower Upper

105 100

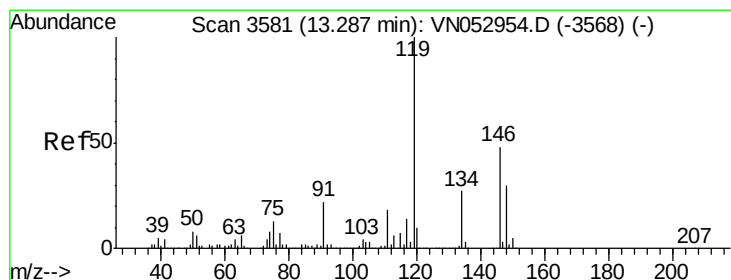
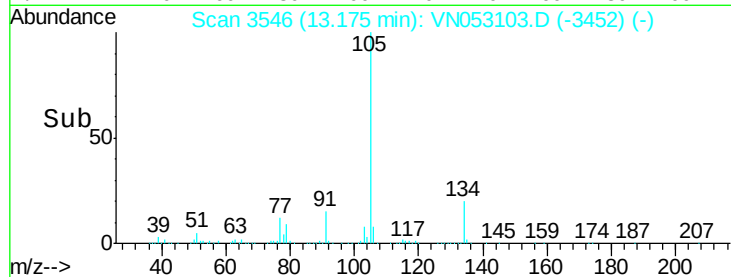
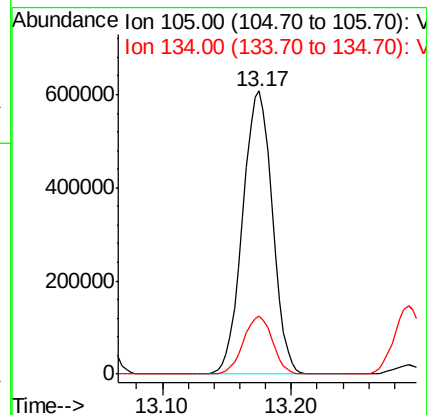
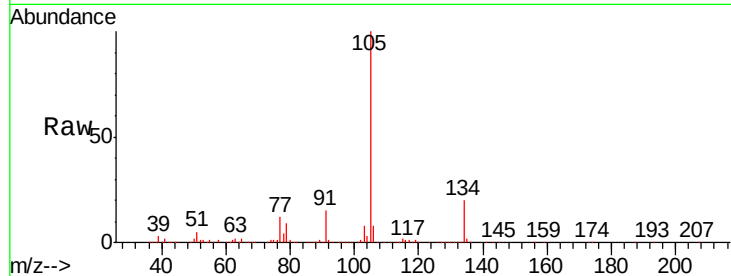
134 20.2 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 19.453 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

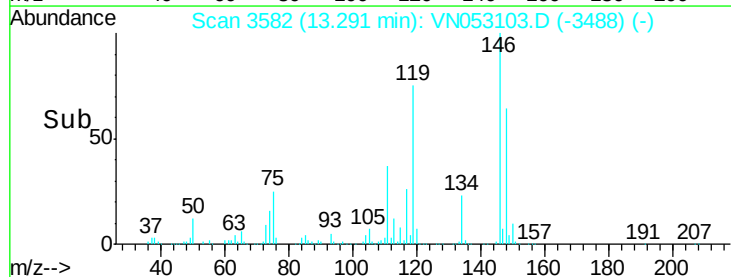
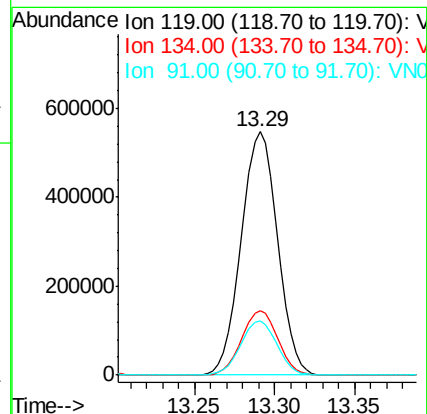
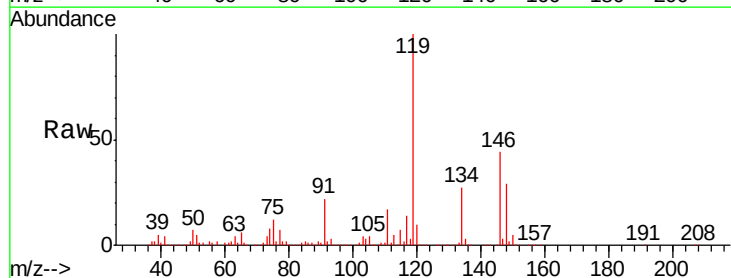
Tgt Ion:119 Resp: 844810

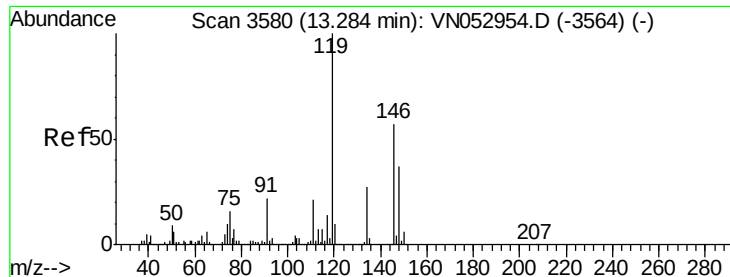
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 19.705 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Instrument :

MSVOA_N

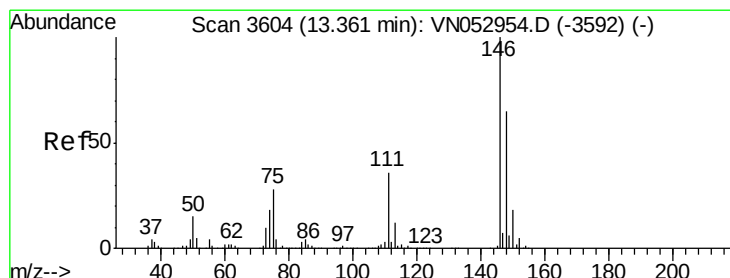
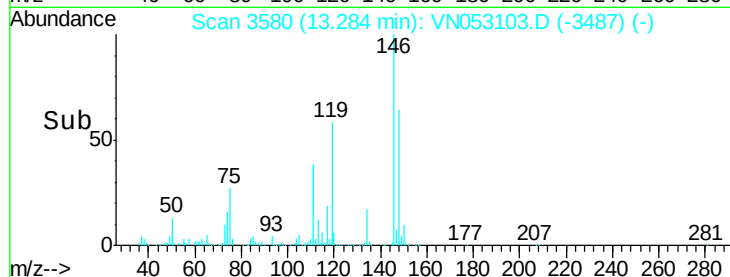
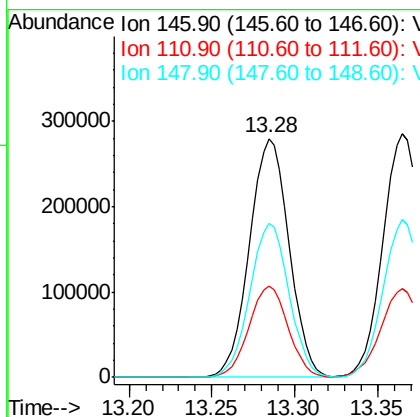
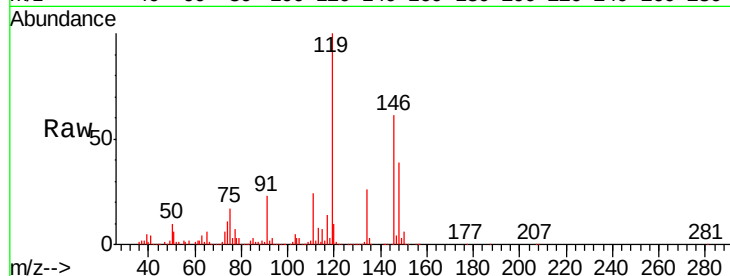
ClientSampleId :

VN1221MBS02

Tgt Ion:	146	Resp:	467286
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.1	57.1
148	63.7	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 19.534 ug/l

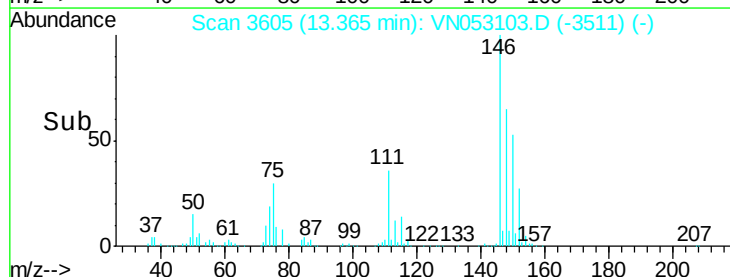
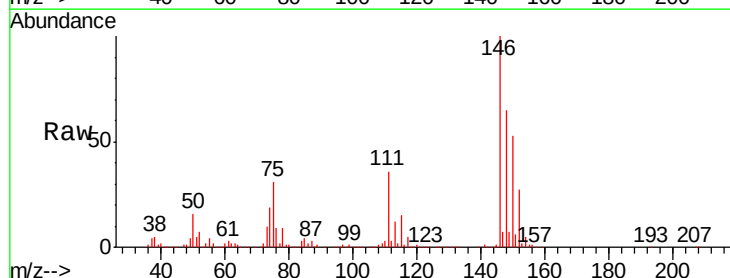
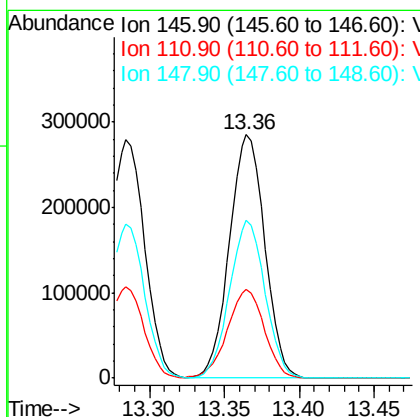
RT: 13.36 min Scan# 3605

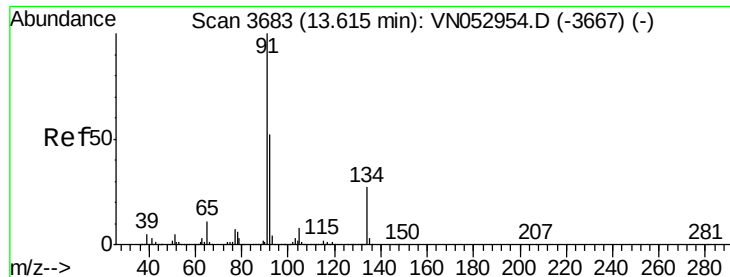
Delta R.T. 0.00 min

Lab File: VN053103.D

Acq: 21 Dec 2018 15:45

Tgt Ion:	146	Resp:	469122
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.6	55.8
148	65.0	32.1	96.5





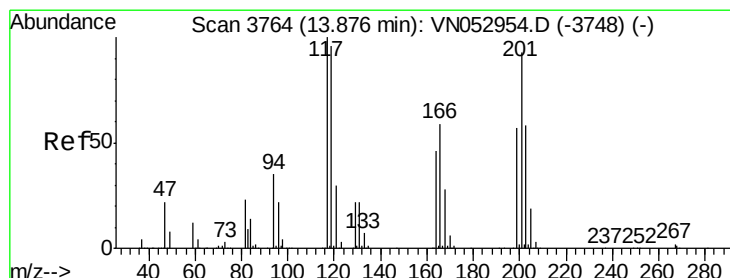
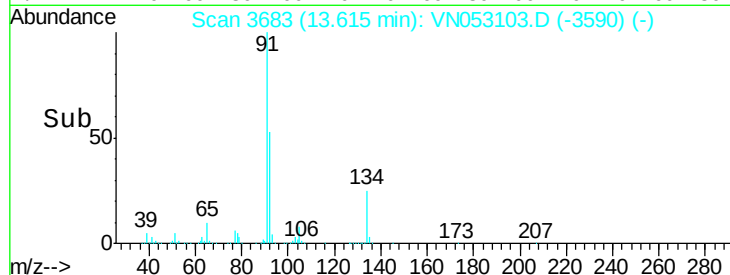
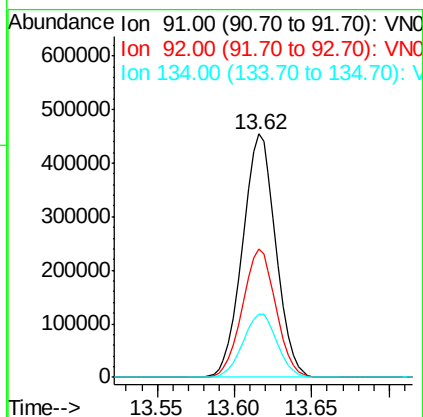
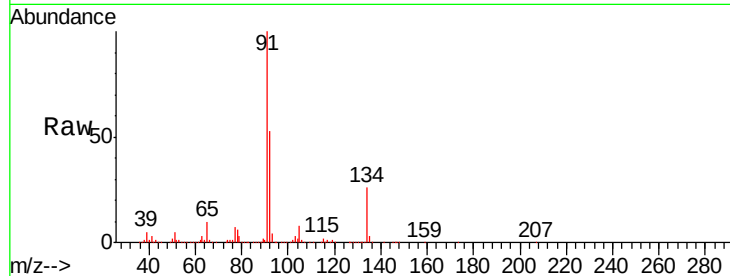
#89
n-Butylbenzene
Concen: 18.149 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	26.8	13.3	39.8

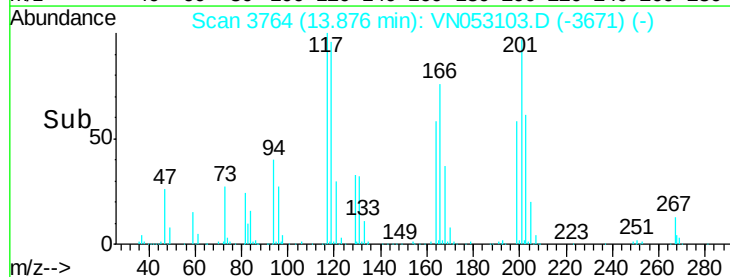
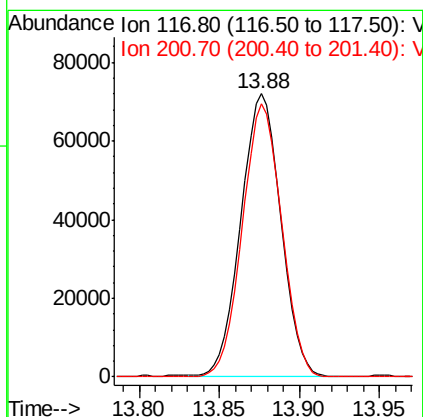
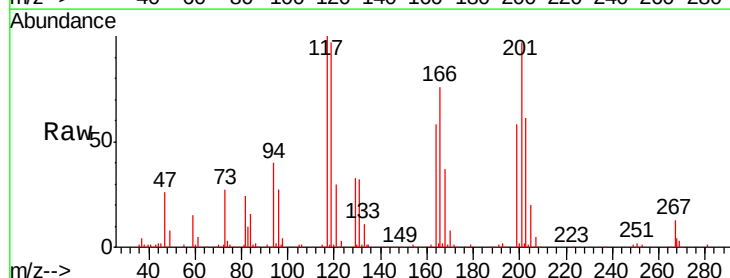
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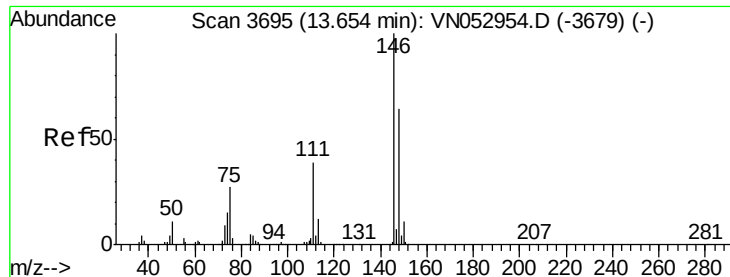
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#90
Hexachloroethane
Concen: 18.401 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	45.7	137.1





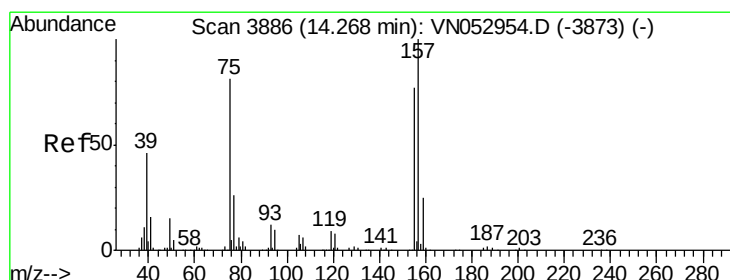
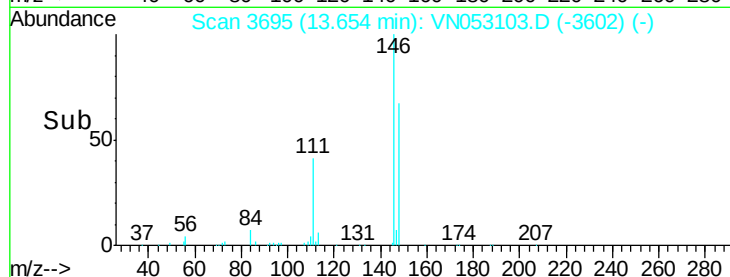
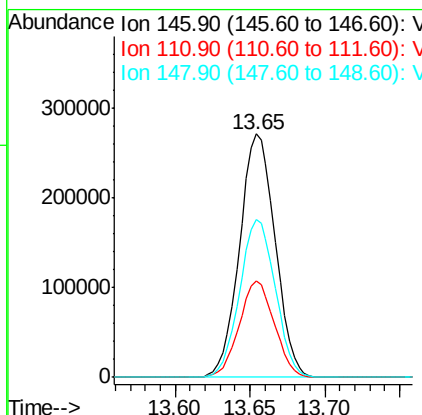
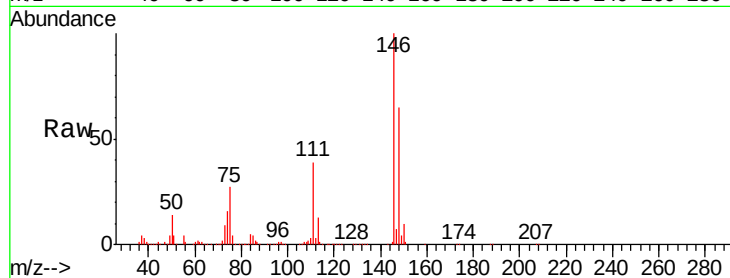
#91
 1,2-Dichlorobenzene
 Concen: 20.148 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	64.9	32.0	96.0

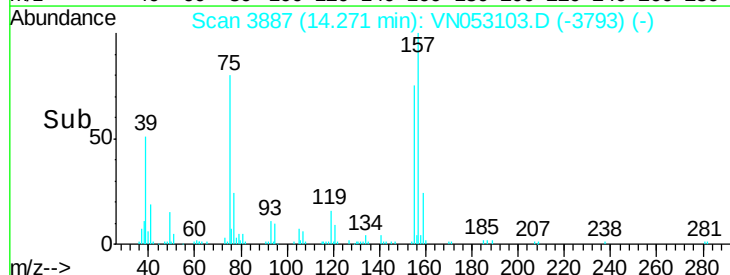
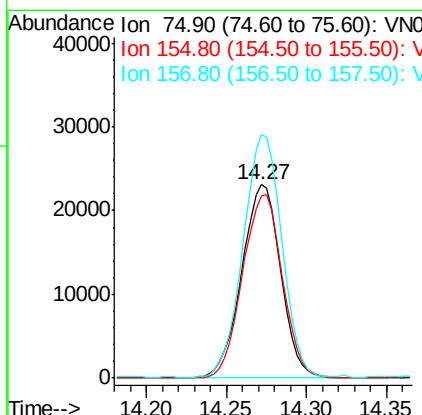
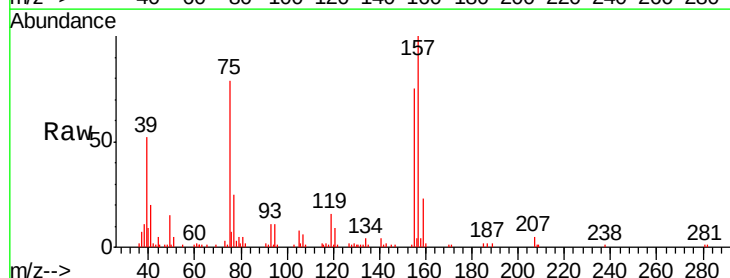
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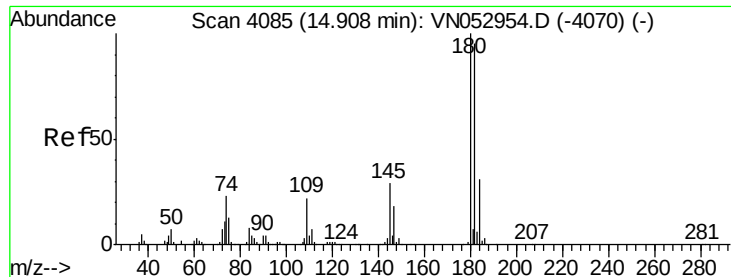
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.078 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	48.2	144.6
157	125.4	61.2	183.5





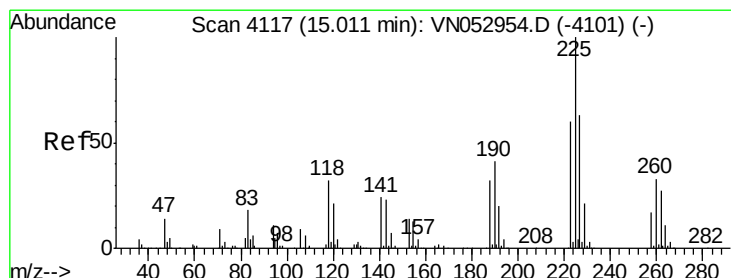
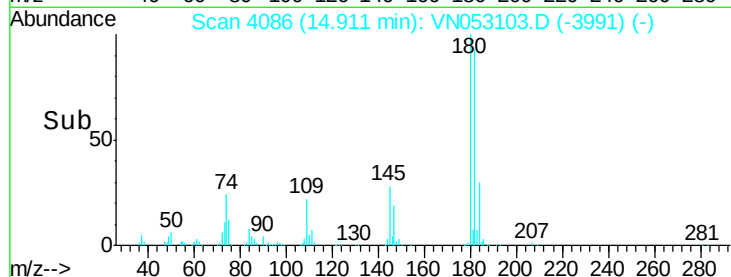
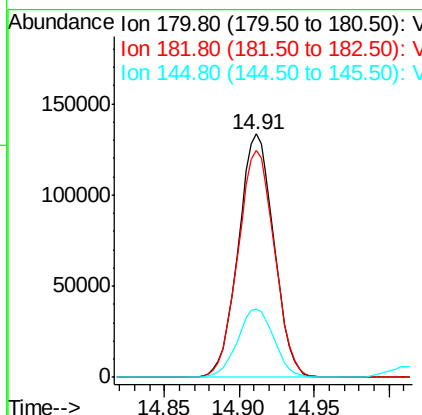
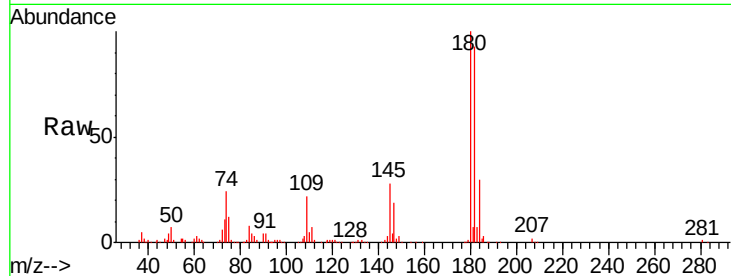
#93
 1,2,4-Trichlorobenzene
 Concen: 19.049 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.3
145	28.9	14.2	42.6

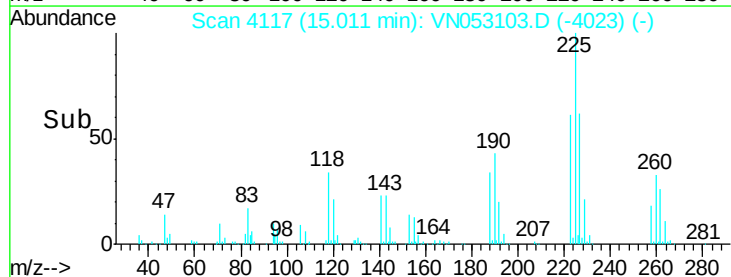
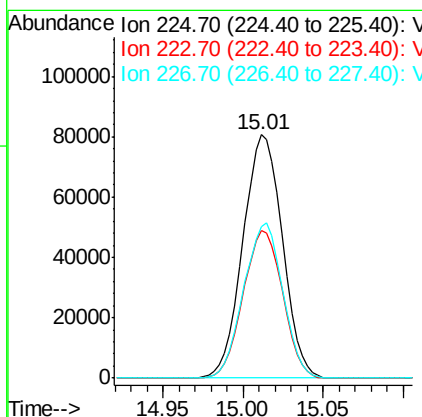
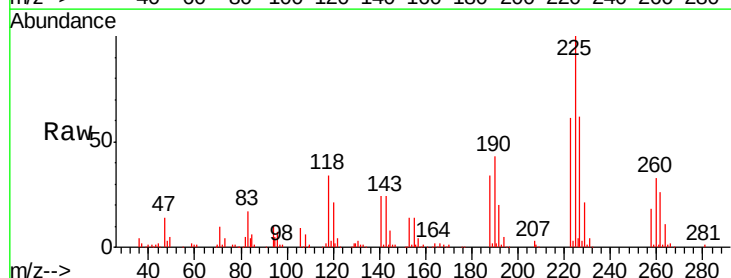
Manual Integrations
 APPROVED

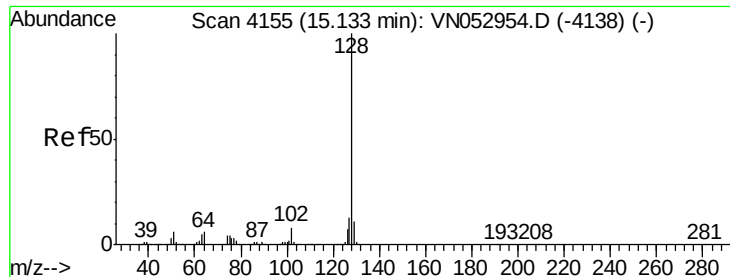
MMDadoda
 12/22/2018 10:06:42 AM



#94
 Hexachlorobutadiene
 Concen: 20.594 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053103.D
 Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.5	94.5
227	62.8	31.9	95.7





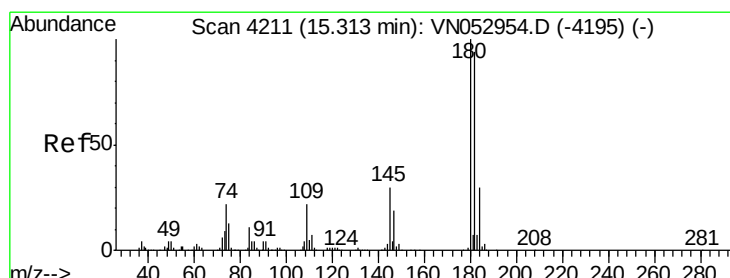
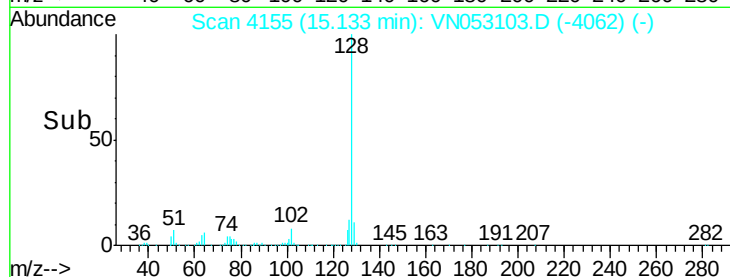
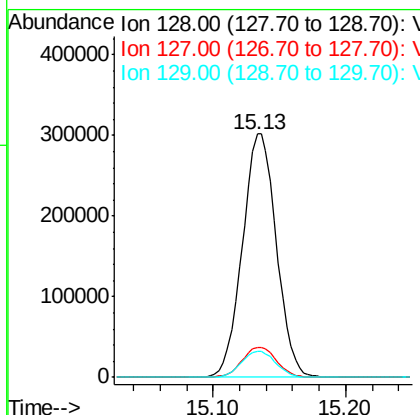
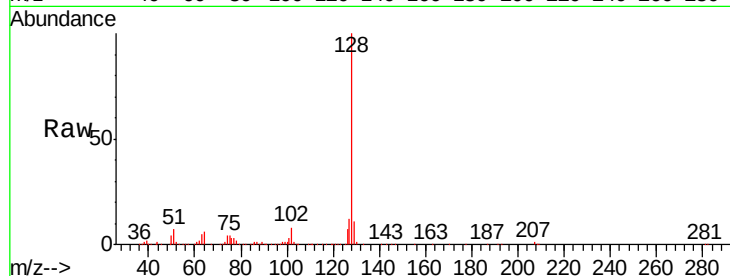
#95
Naphthalene
Concen: 21.298 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	534222		
127	12.7	10.2	15.4	
129	11.1	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
12/22/2018 10:06:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.713 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053103.D
Acq: 21 Dec 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	206597		
182	94.7	47.9	143.7	
145	30.6	15.0	45.0	

