

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053723.D
 Acq On : 12 Feb 2019 11:58
 Operator : JC/SP
 Sample : VN0212WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:15:17 PM

Quant Time: Feb 13 04:41:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	653816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1010451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	872169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	403161	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	358123	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
35) Dibromofluoromethane	7.59	113	337846	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	10.09	98	1228132	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	408334	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	130457	17.917	ug/l	98
3) Chloromethane	2.06	50	142264	18.328	ug/l	100
4) Vinyl Chloride	2.19	62	141162	18.734	ug/l	99
5) Bromomethane	2.57	94	106157	21.547	ug/l	100
6) Chloroethane	2.71	64	96917	22.508	ug/l	98
7) Trichlorofluoromethane	3.02	101	207476	20.305	ug/l	99
8) Diethyl Ether	3.41	74	72764	19.499	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	119532	18.915	ug/l	97
10) Methyl Iodide	3.96	142	164673	16.602	ug/l	99
11) Tert butyl alcohol	4.78	59	44951	115.799	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	115221	19.031	ug/l	97
13) Acrolein	3.60	56	23998	113.548	ug/l	97
14) Allyl chloride	4.33	41	184922	19.183	ug/l	99
15) Acrylonitrile	4.99	53	229958	109.734	ug/l	99
16) Acetone	3.82	43	181505	107.884	ug/l	97
17) Carbon Disulfide	4.06	76	316230	16.774	ug/l	99
18) Methyl Acetate	4.33	43	116790	23.440	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	326741	21.288	ug/l	99
20) Methylene Chloride	4.55	84	133723	18.945	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	121447	18.593	ug/l	95
22) Diisopropyl ether	5.95	45	357311	20.004	ug/l	95
23) Vinyl Acetate	5.90	43	1238625	100.238	ug/l	99
24) 1,1-Dichloroethane	5.85	63	231916	19.466	ug/l	99
25) 2-Butanone	6.84	43	260670	108.636	ug/l	98
26) 2,2-Dichloropropane	6.82	77	173326	19.058	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	143309	19.731	ug/l	96
28) Bromochloromethane	7.19	49	107813	20.853	ug/l	95
29) Tetrahydrofuran	7.21	42	172975	112.264	ug/l	99
30) Chloroform	7.37	83	229894	19.466	ug/l	99
31) Cyclohexane	7.65	56	201657	18.072	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	192287	19.564	ug/l	99
36) 1,1-Dichloropropene	7.79	75	167485	18.388	ug/l	99
37) Ethyl Acetate	6.93	43	110403	21.702	ug/l	98
38) Carbon Tetrachloride	7.77	117	170531	18.585	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	190000	17.582	ug/l	98
40) Benzene	8.04	78	523549	18.639	ug/l	99
41) Methacrylonitrile	7.17	41	56936	20.025	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	157857	18.928	ug/l	99
43) Isopropyl Acetate	8.17	43	199758	20.333	ug/l	97
44) Trichloroethene	8.83	130	149452	18.689	ug/l	98
45) 1,2-Dichloropropane	9.12	63	136946	19.062	ug/l	98
46) Dibromomethane	9.21	93	84491	19.509	ug/l	98
47) Bromodichloromethane	9.40	83	173208	19.236	ug/l	100
48) Methyl methacrylate	9.20	41	89043	18.987	ug/l	91
49) 1,4-Dioxane	9.20	88	28181	437.599	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	522265	108.180	ug/l	100
52) Toluene	10.16	92	317885	19.069	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	170344	18.892	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	200665	18.780	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	122885	20.457	ug/l	99
56) Ethyl methacrylate	10.43	69	144906	20.391	ug/l	99
57) 1,3-Dichloropropane	10.71	76	201821	19.658	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	360770	87.246	ug/l	99
59) 2-Hexanone	10.75	43	333306	101.698	ug/l	99
60) Dibromochloromethane	10.90	129	132651	19.582	ug/l	98
61) 1,2-Dibromoethane	11.00	107	114705	19.293	ug/l	100
64) Tetrachloroethene	10.63	164	136760	18.292	ug/l	98
65) Chlorobenzene	11.43	112	350681	18.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	126017	19.477	ug/l	99
67) Ethyl Benzene	11.51	91	575306	18.905	ug/l	100
68) m/p-Xylenes	11.62	106	448295	38.597	ug/l	99
69) o-Xylene	11.95	106	220270	19.630	ug/l	98
70) Styrene	11.96	104	354073	19.468	ug/l	100
71) Bromoform	12.13	173	93596	21.101	ug/l #	99
73) Isopropylbenzene	12.25	105	583221	20.578	ug/l	99
74) N-amyl acetate	12.07	43	145084	21.288	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	146235	21.559	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127242m	24.572	ug/l	
77) Bromobenzene	12.53	156	150865	19.751	ug/l	100
78) n-propylbenzene	12.59	91	659562	20.131	ug/l	100
79) 2-Chlorotoluene	12.67	91	394671	20.304	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	488379	20.780	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36688	19.922	ug/l	97
82) 4-Chlorotoluene	12.77	91	393748	19.741	ug/l	100
83) tert-Butylbenzene	12.99	119	444330	21.391	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	497616	20.782	ug/l	100
85) sec-Butylbenzene	13.17	105	592620	20.966	ug/l	100
86) p-Isopropyltoluene	13.29	119	507091	20.512	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	265312	19.322	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	260055	19.146	ug/l	100
89) n-Butylbenzene	13.62	91	413194	19.310	ug/l	99
90) Hexachloroethane	13.87	117	86109	21.117	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	262074	19.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21325	22.060	ug/l	98

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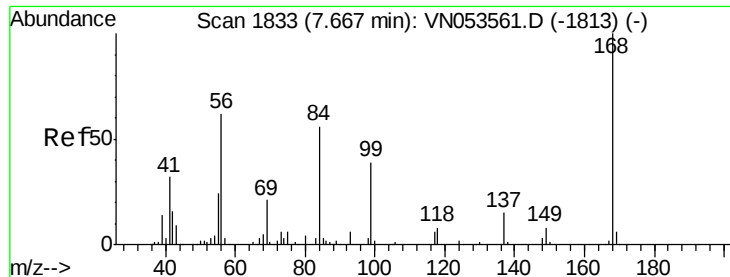
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134726	17.870	ug/l	100
94) Hexachlorobutadiene	15.01	225	94828	20.197	ug/l	99
95) Naphthalene	15.13	128	285279	17.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133973	19.151	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampleID :

VN0212WBSD01

Tot Ion:168 Resp: 653816

Ion Ratio Lower Upper

168 100

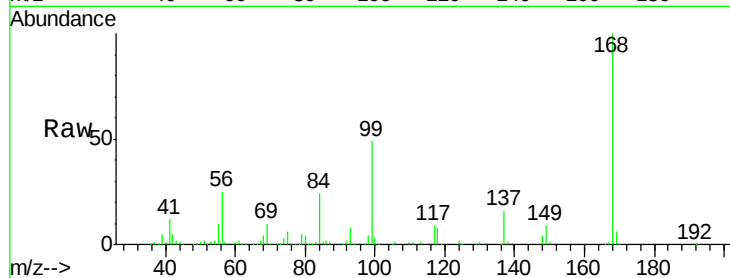
99 48.8 39.1 58.7

Manual Integrations

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2/13/2019 12:15:17 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

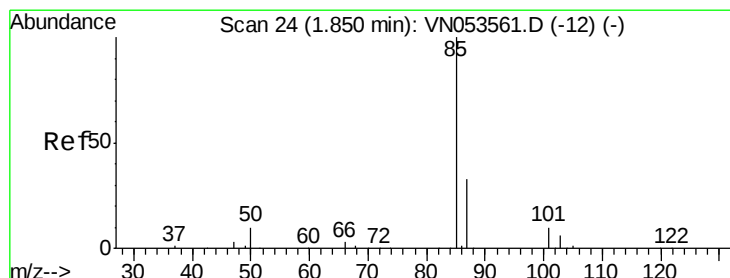
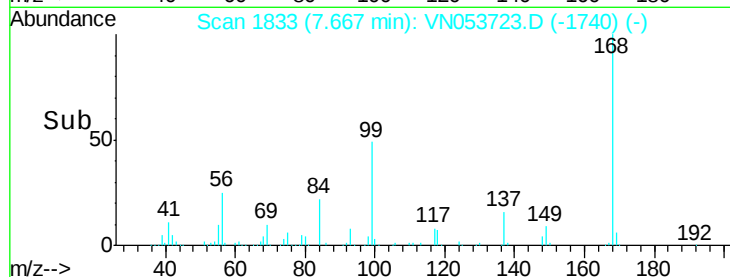
100000

50000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.917 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053723.D

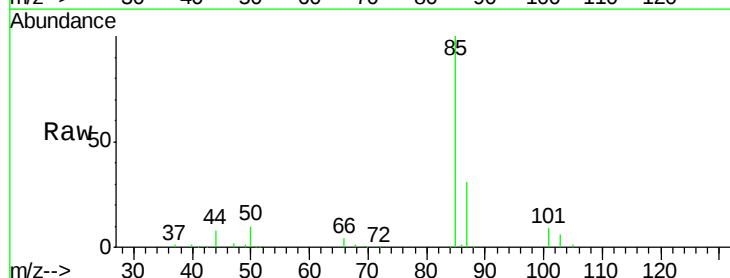
Acq: 12 Feb 2019 11:58

Tgt Ion: 85 Resp: 130457

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

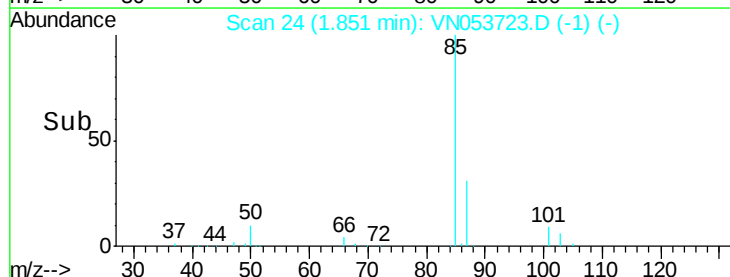
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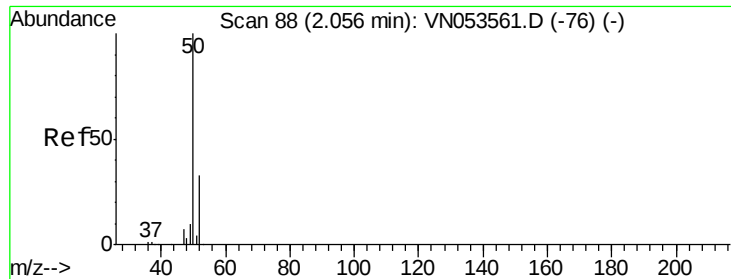
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.328 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBSD01

Tot Ion: 50 Resp: 142264

Ion Ratio Lower Upper

50 100

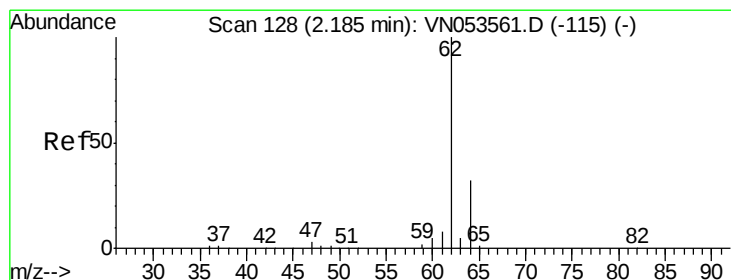
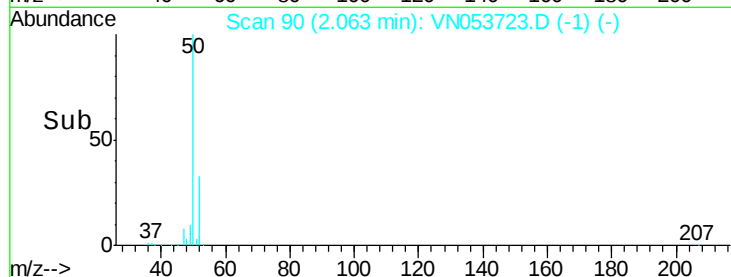
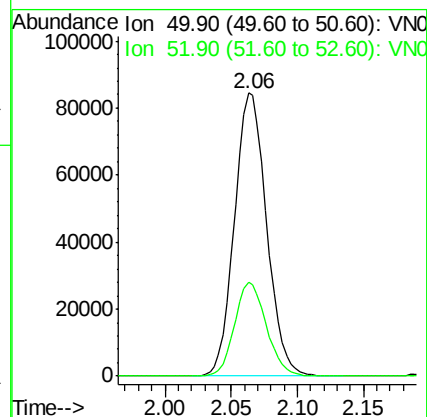
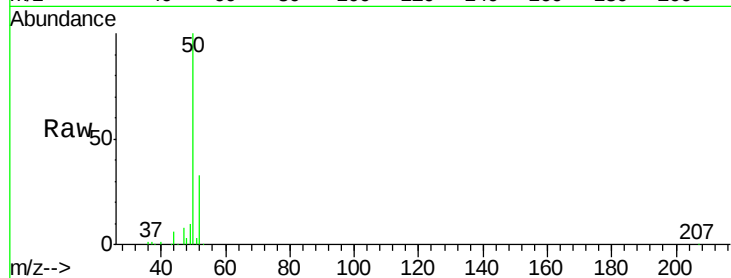
52 33.1 26.6 40.0

Manual Integrations

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2/13/2019 12:15:17 PM



#4

Vinyl Chloride

Concen: 18.734 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053723.D

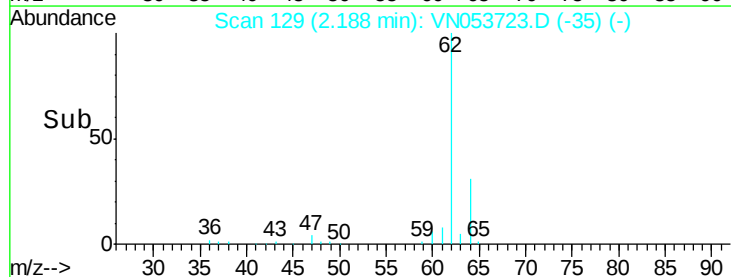
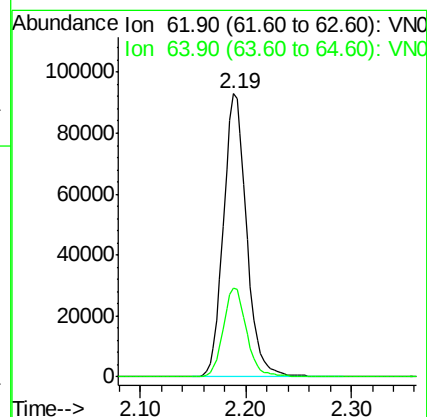
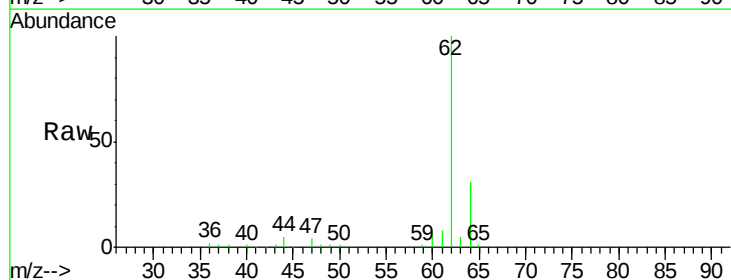
Acq: 12 Feb 2019 11:58

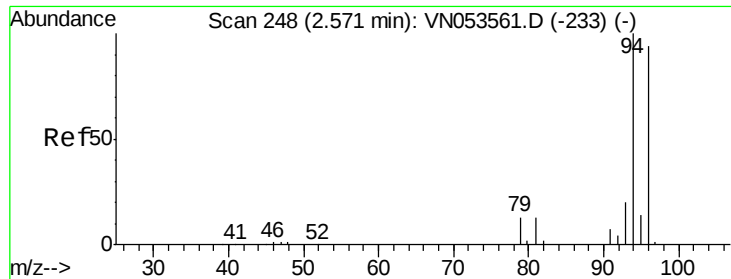
Tgt Ion: 62 Resp: 141162

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





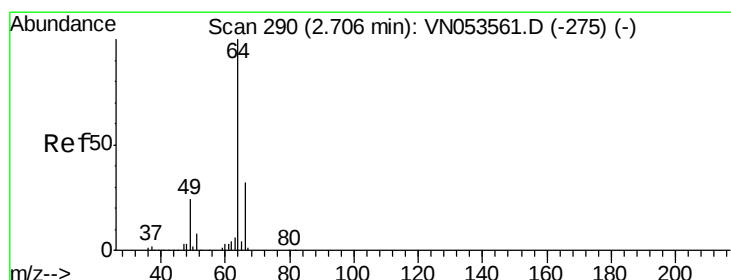
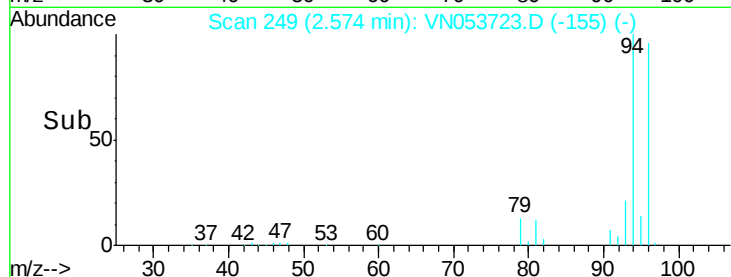
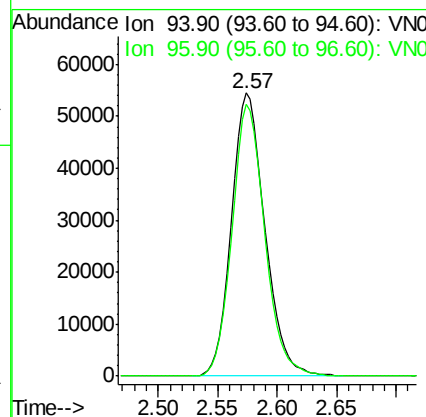
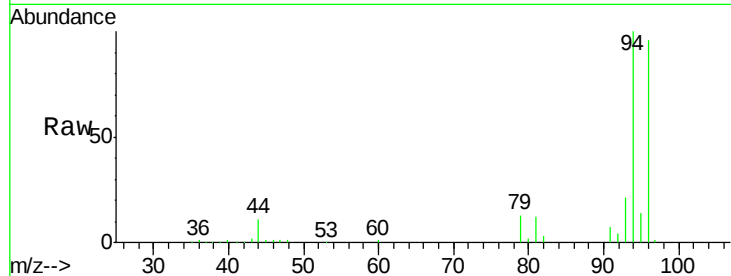
#5
Bromomethane
Concen: 21.547 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion: 94 Resp: 106157
Ion Ratio Lower Upper
94 100
96 96.2 76.8 115.2

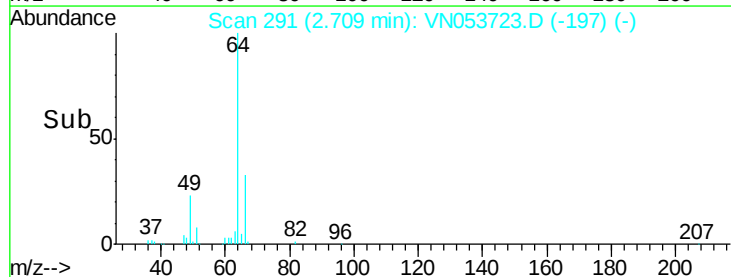
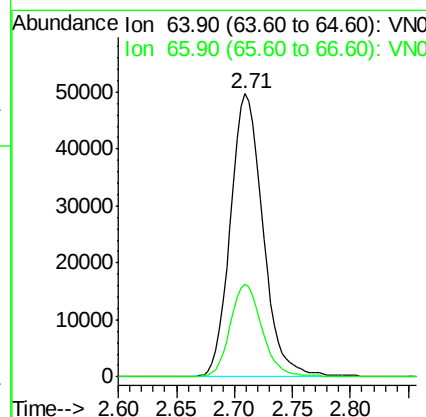
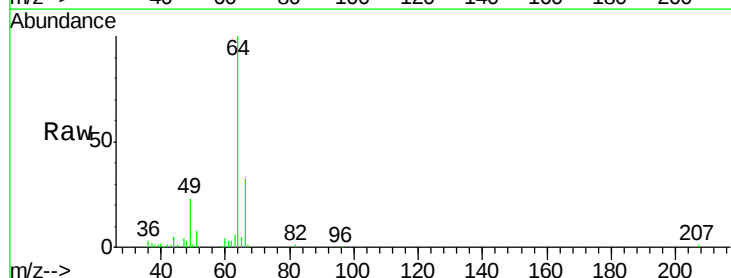
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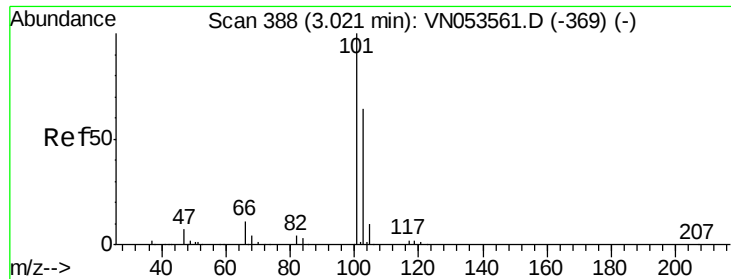
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2/13/2019 12:15:17 PM



#6
Chloroethane
Concen: 22.508 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion: 64 Resp: 96917
Ion Ratio Lower Upper
64 100
66 32.5 25.1 37.7





#7

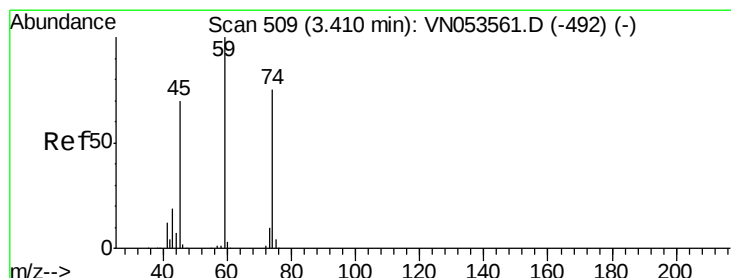
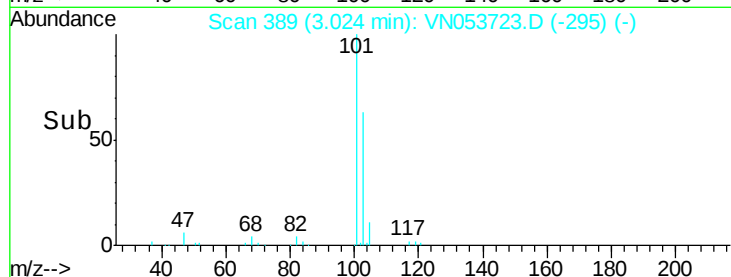
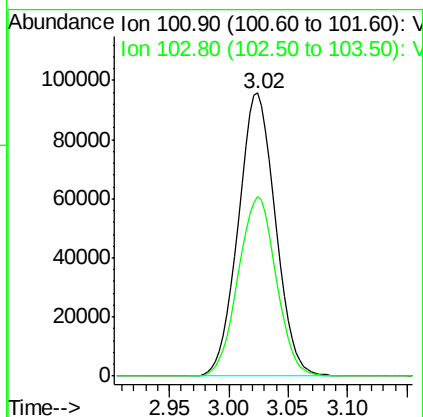
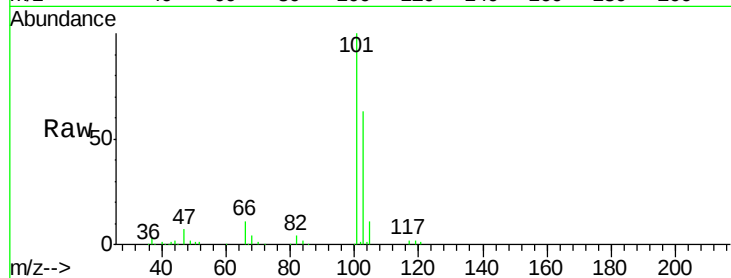
Trichlorofluoromethane
 Concen: 20.305 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Instrument :
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 ClientSampleId :
 VN0212WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.6	77.4

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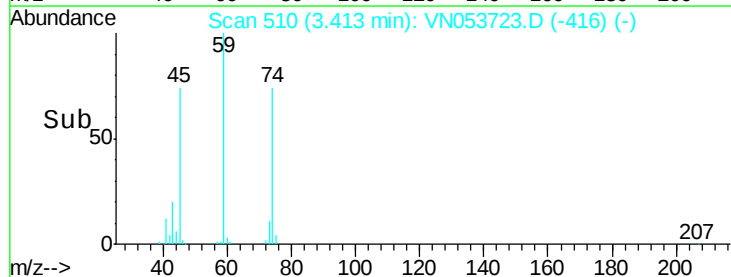
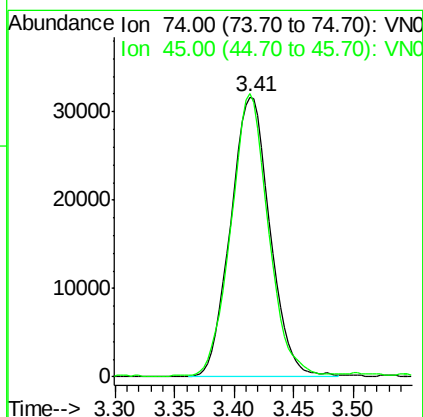
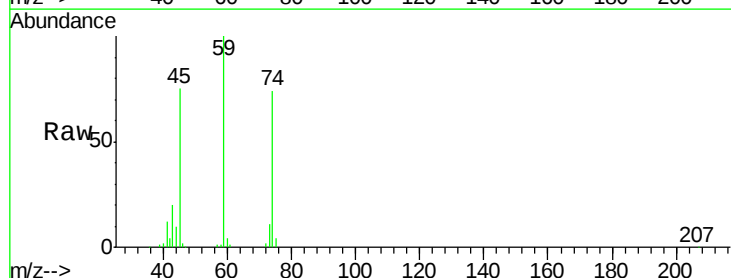
MMDadoda
 2/13/2019 12:15:17 PM

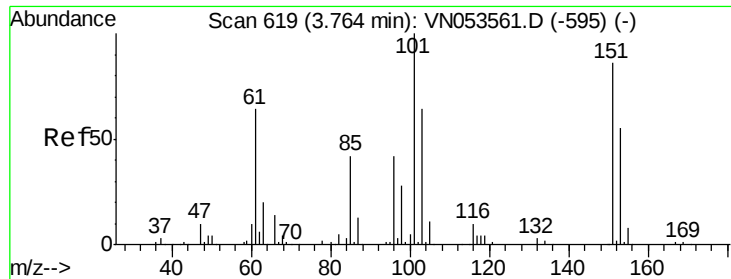


#8

Diethyl Ether
 Concen: 19.499 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.915 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

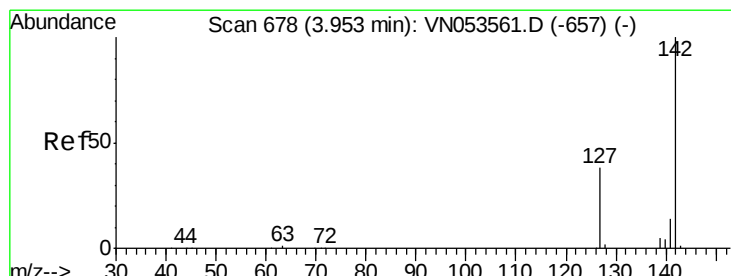
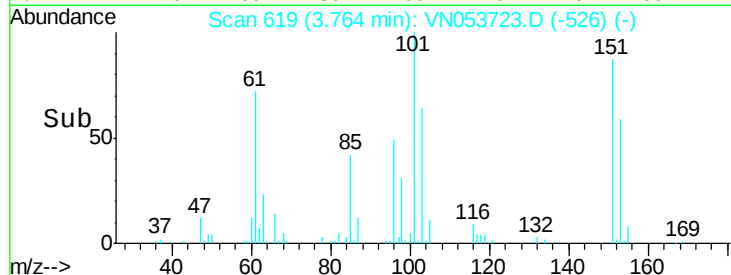
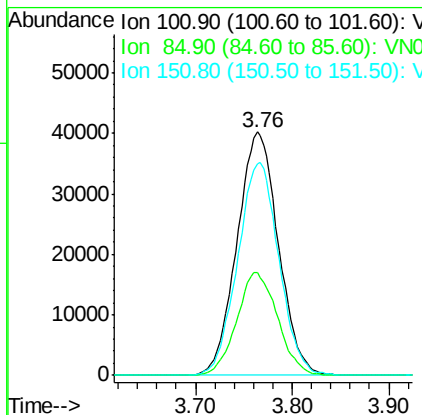
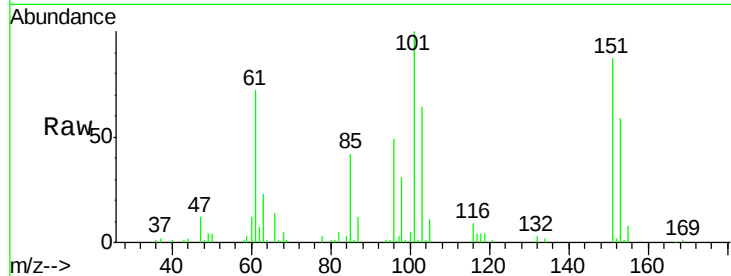
ClientSampleId :

VN0212WBSD01

Tot Ion:	101	Resp:	119532
Ion Ratio	Lower	Upper	
101	100		
85	41.7	32.8	49.2
151	87.2	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 16.602 ug/l

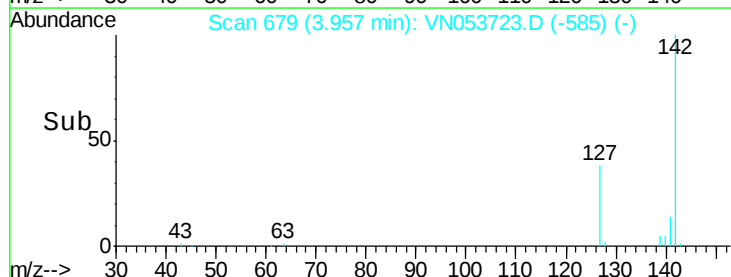
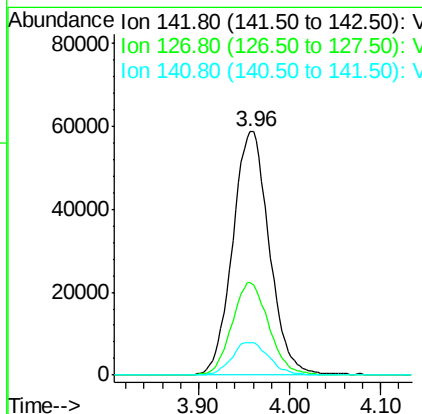
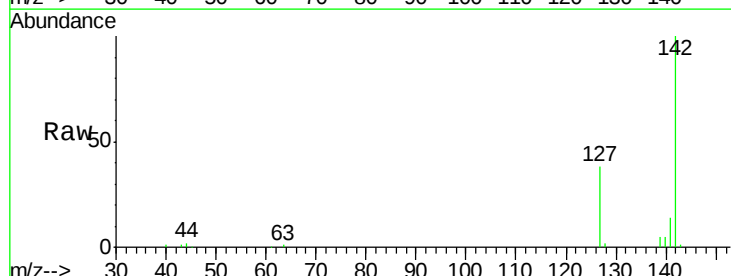
RT: 3.96 min Scan# 679

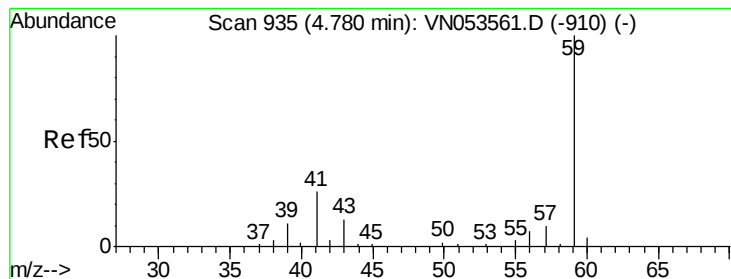
Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion:	142	Resp:	164673
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.0	46.4
141	13.6	11.1	16.7





#11

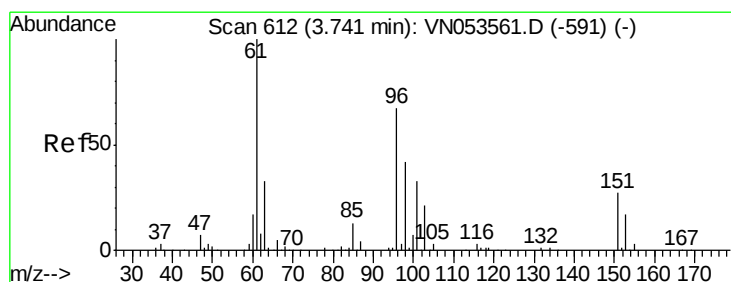
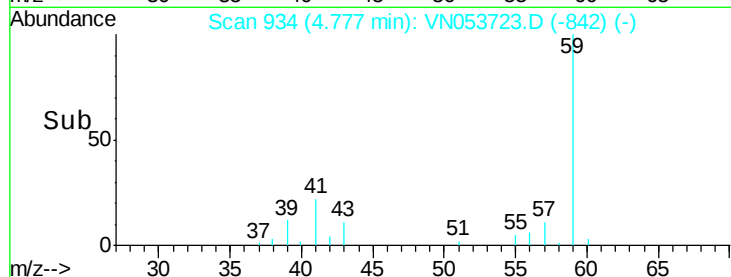
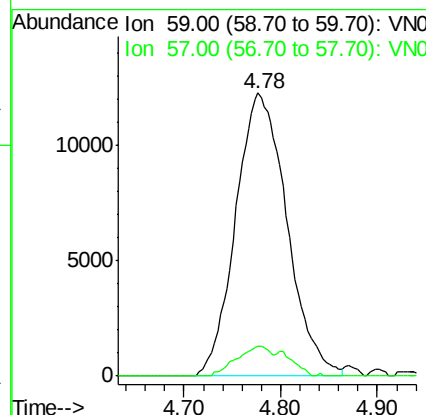
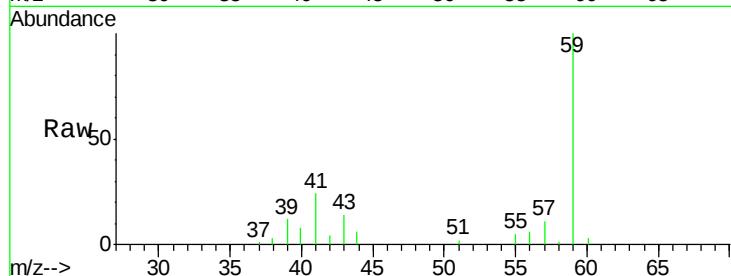
Tert butyl alcohol
 Concen: 115.799 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	44951		
57	7.1	8.2	12.4	

Manual Integrations
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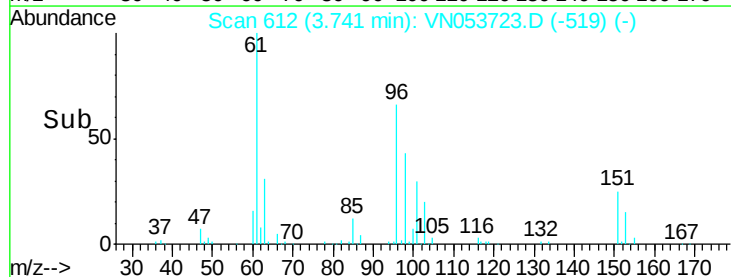
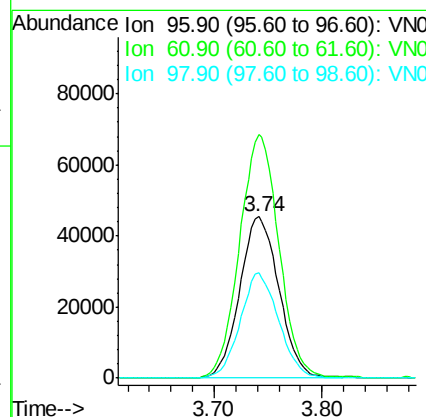
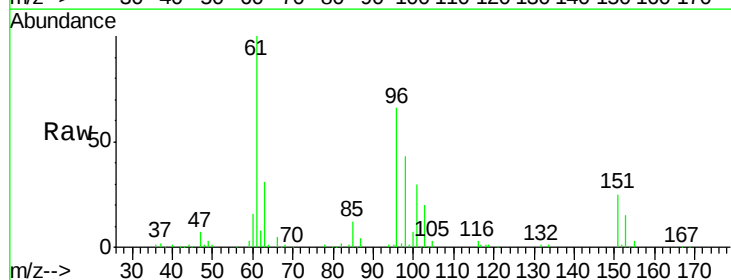
MMDadoda
 2/13/2019 12:15:17 PM

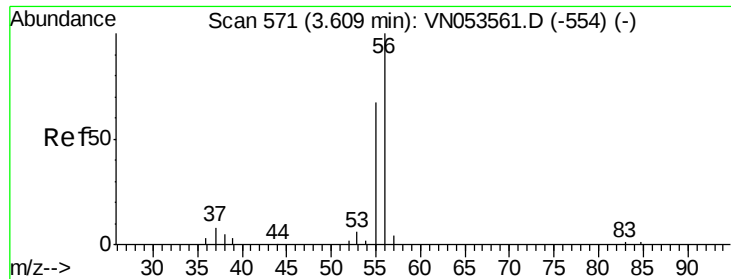


#12

1,1-Dichloroethene
 Concen: 19.031 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	115221		
61	150.9	122.9	184.3	
98	65.3	49.4	74.0	





#13

Acrolein

Concen: 113.548 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBSD01

Tot Ion: 56 Resp: 23998

Ion Ratio Lower Upper

56 100

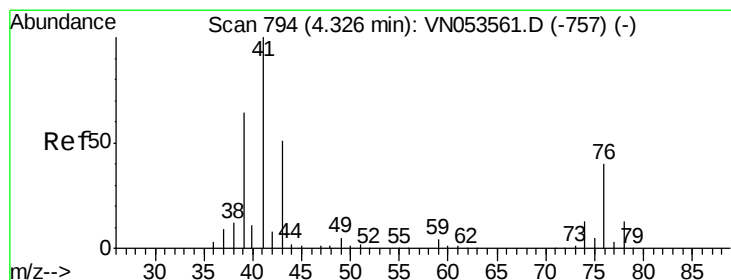
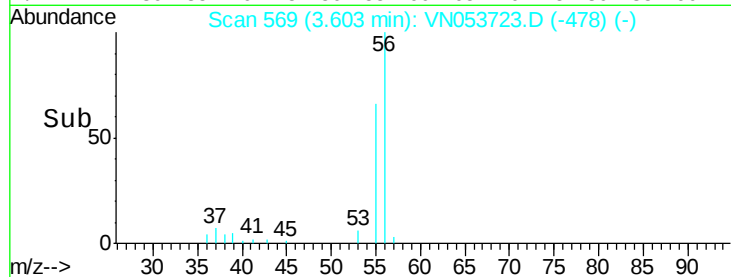
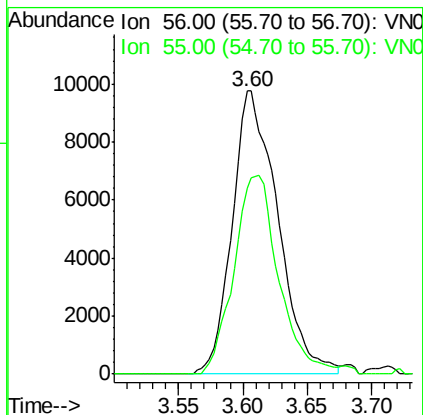
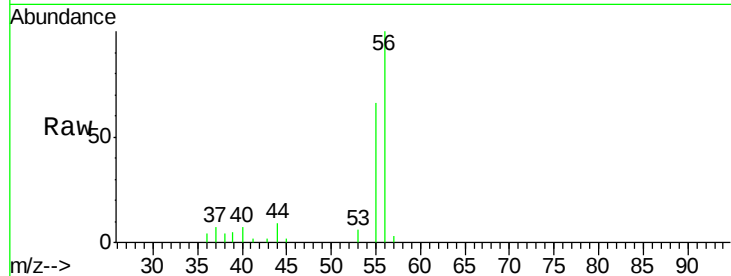
55 68.9 57.4 86.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.183 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

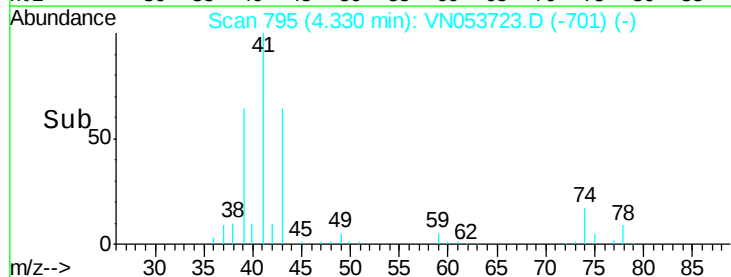
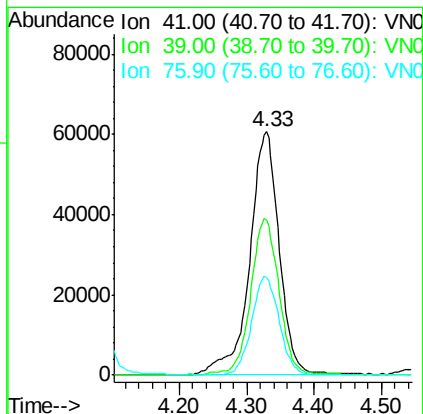
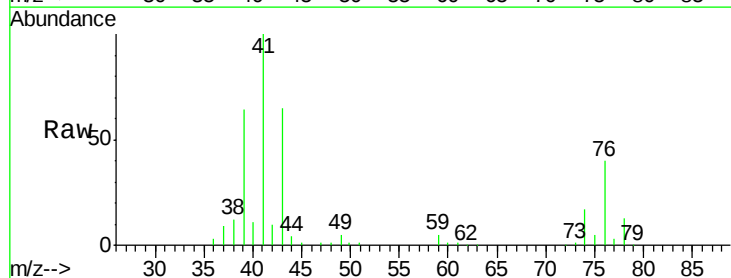
Tgt Ion: 41 Resp: 184922

Ion Ratio Lower Upper

41 100

39 61.9 48.9 73.3

76 37.7 29.4 44.2





#15

Acrylonitrile

Concen: 109.734 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

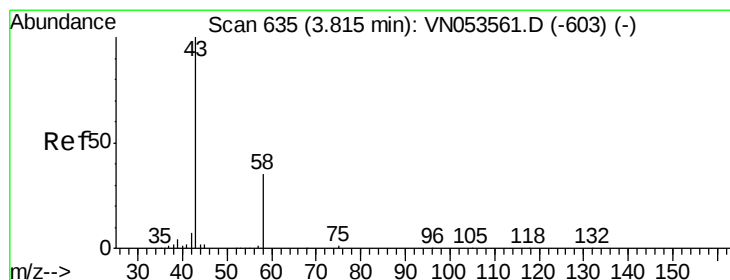
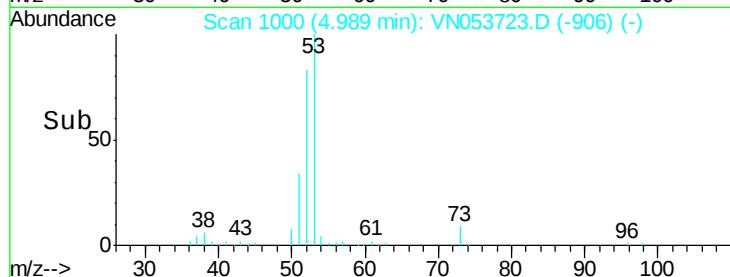
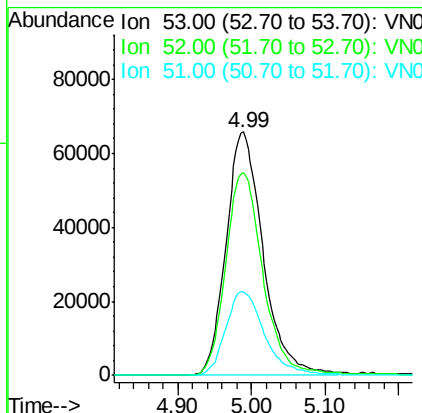
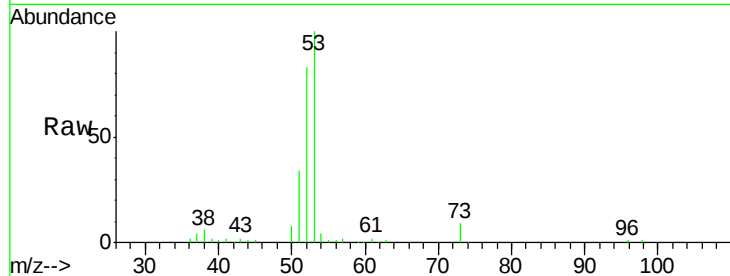
ClientSampleId :

VN0212WBSD01

Tot Ion	53	Resp	229958
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.0	99.0
51	36.0	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 107.884 ug/l

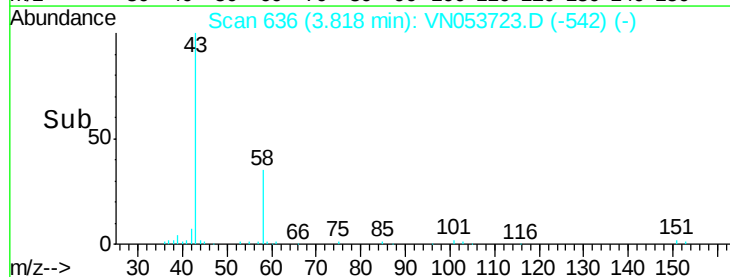
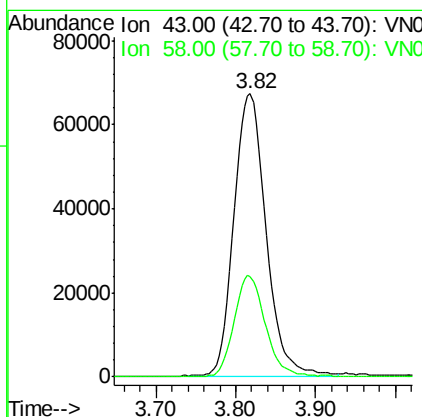
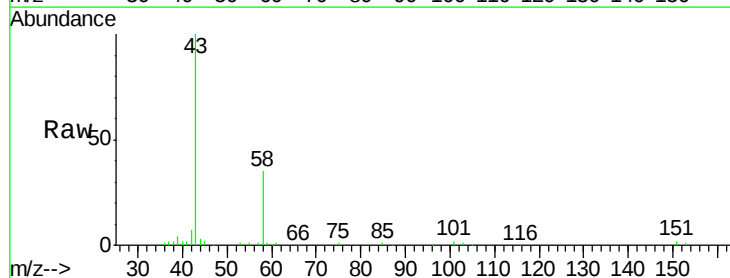
RT: 3.82 min Scan# 636

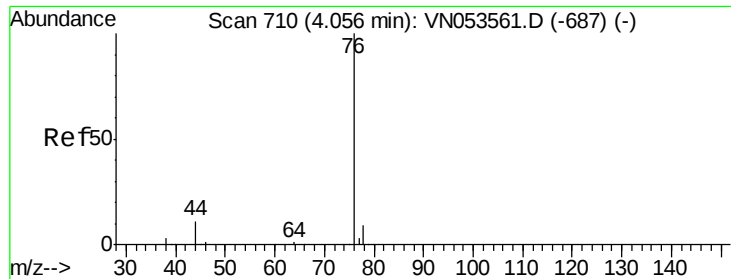
Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion	43	Resp	181505
Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.1	40.7





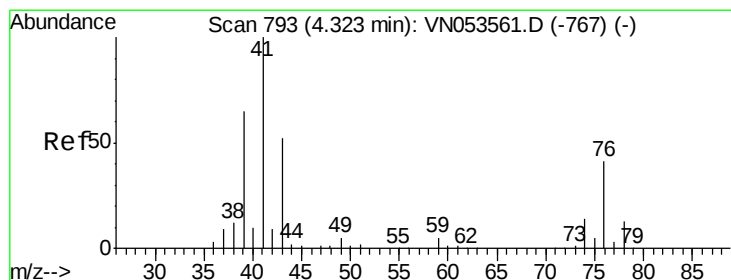
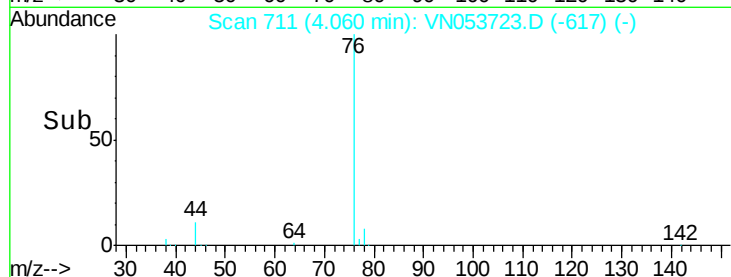
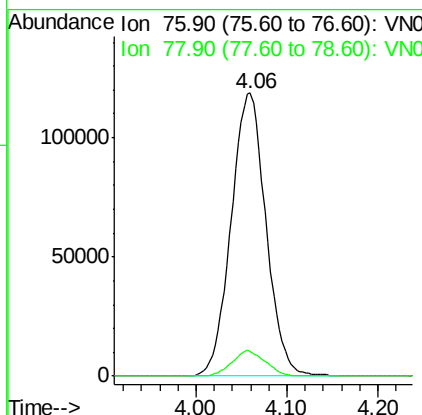
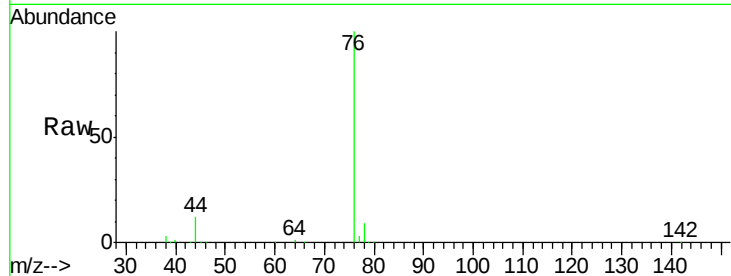
#17
Carbon Disulfide
Concen: 16.774 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

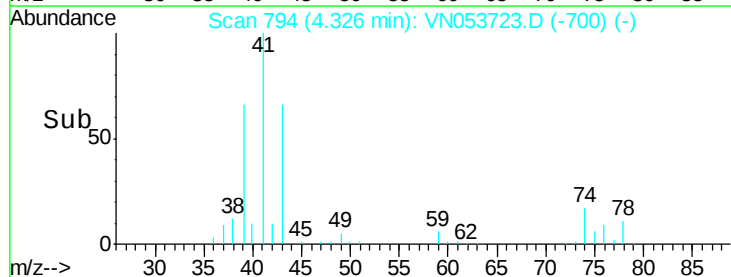
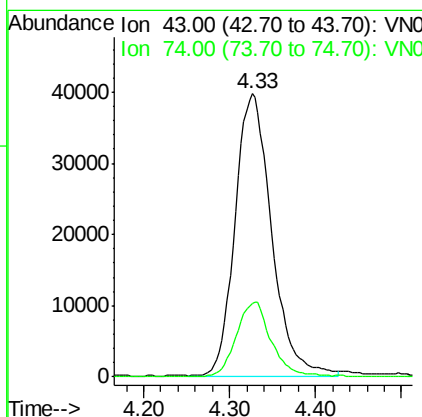
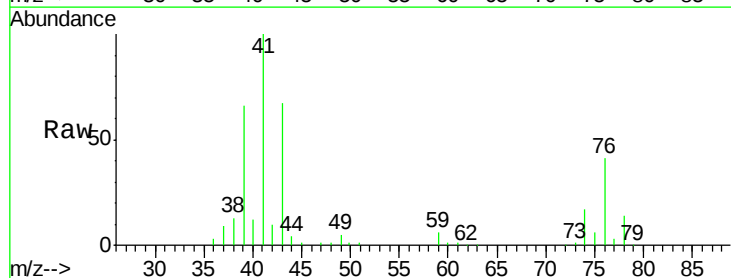
Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:15:17 PM



#18
Methyl Acetate
Concen: 23.440 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.4	29.2





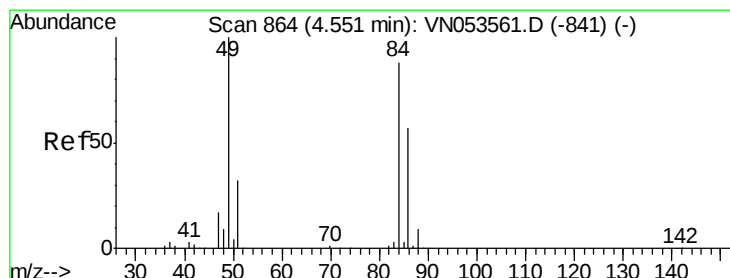
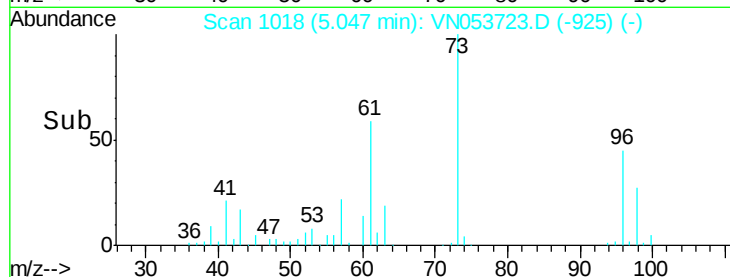
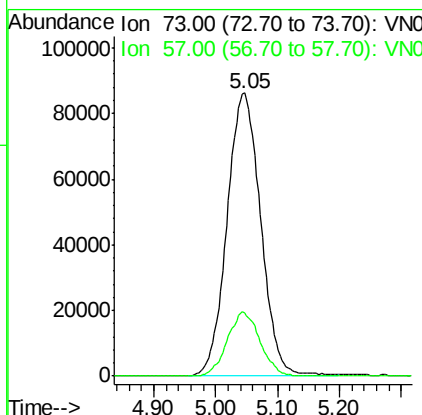
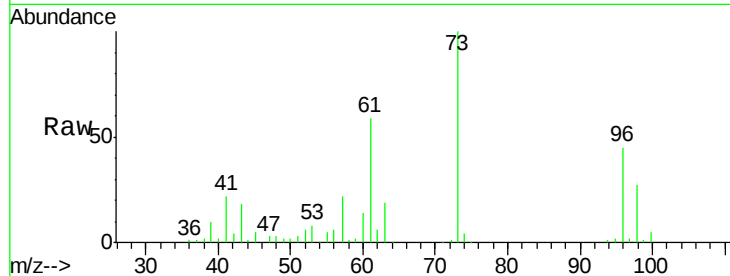
#19
Methvl tert-butvl Ether
Concen: 21.288 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion: 73 Resp: 326741
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

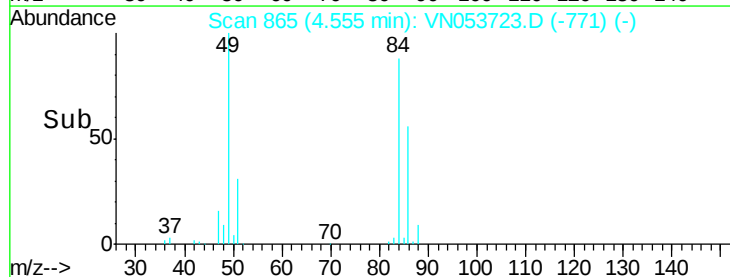
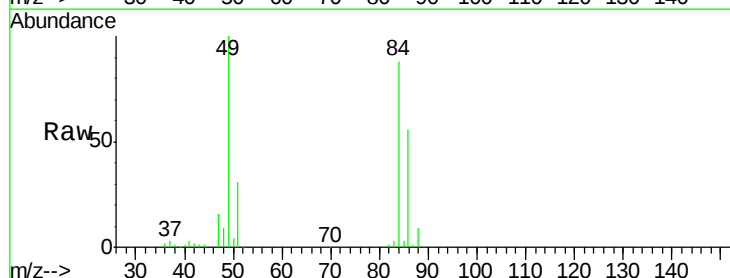
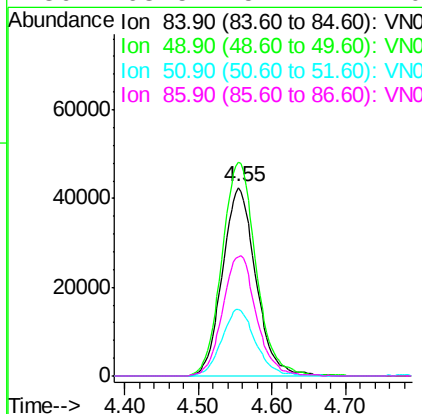
Manual Integrations
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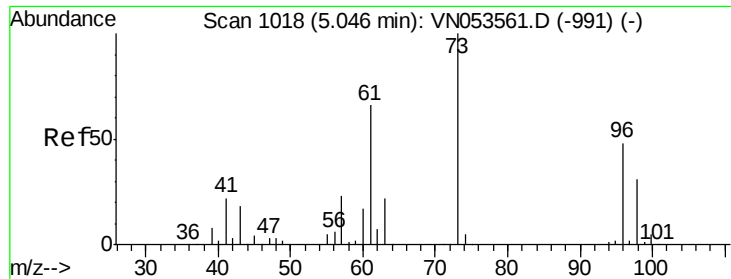
MMDadoda
2/13/2019 12:15:17 PM



#20
Methylene Chloride
Concen: 18.945 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion: 84 Resp: 133723
Ion Ratio Lower Upper
84 100
49 113.5 94.3 141.5
51 35.3 29.4 44.2
86 63.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.593 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

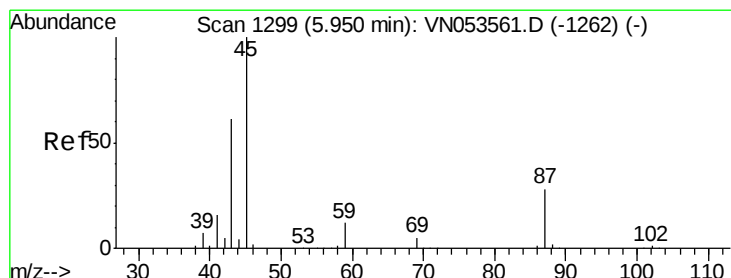
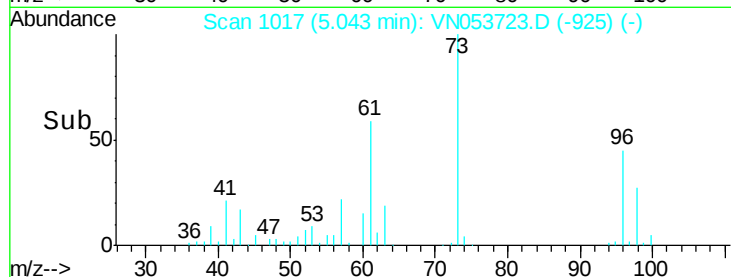
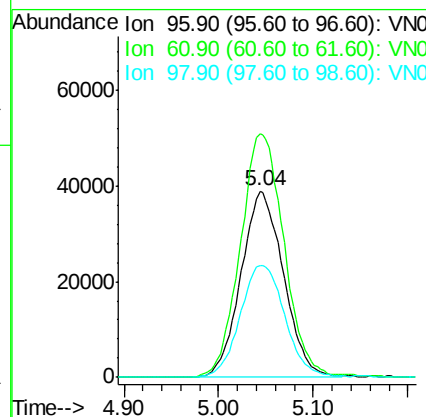
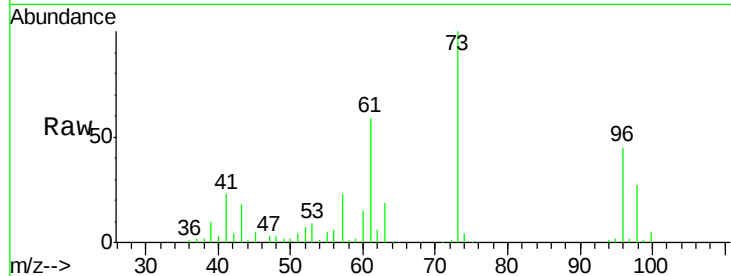
ClientSampleId :

VN0212WBSD01

Tot Ion:	96	Resp:	121447
Ion	Ratio	Lower	Upper
96	100		
61	130.8	110.1	165.1
98	60.0	50.0	75.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.004 ug/l

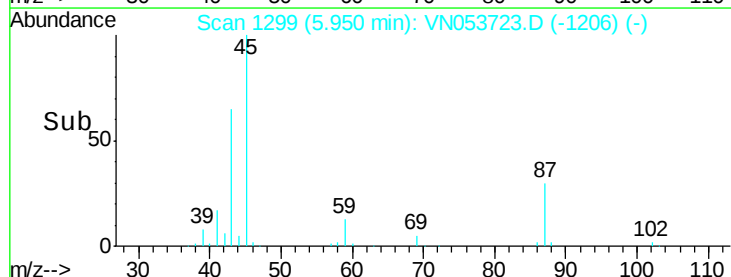
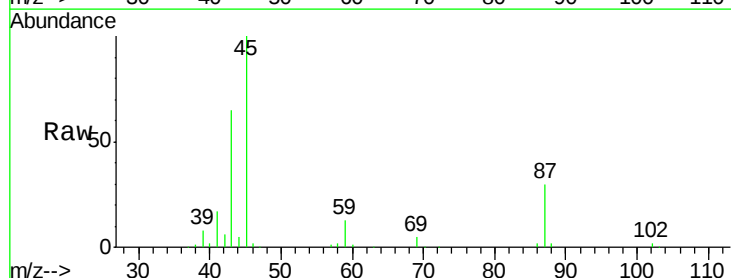
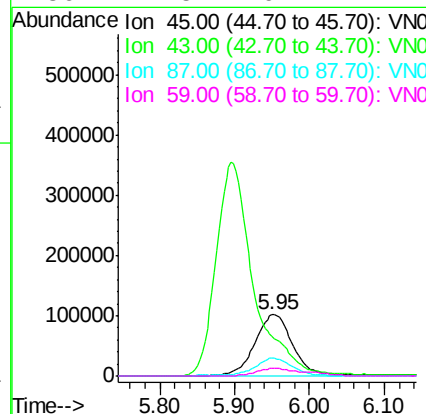
RT: 5.95 min Scan# 1299

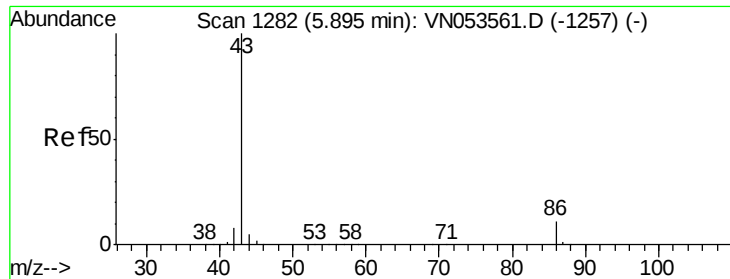
Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion:	45	Resp:	357311
Ion	Ratio	Lower	Upper
45	100		
43	60.7	44.2	66.4
87	28.7	22.7	34.1
59	12.5	9.4	14.2





#23

Vinyl Acetate

Concen: 100.238 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBSD01

Tot Ion: 43 Resp: 1238625

Ion Ratio Lower Upper

43 100

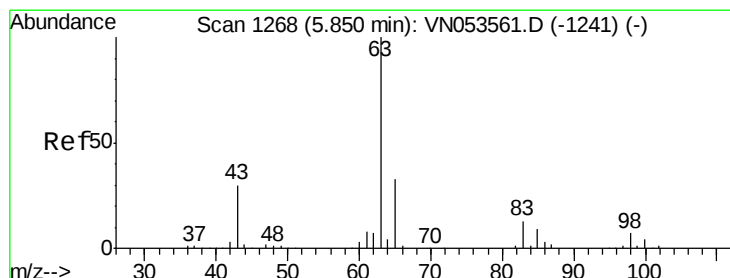
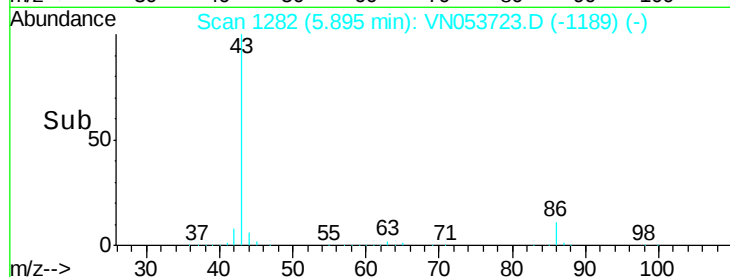
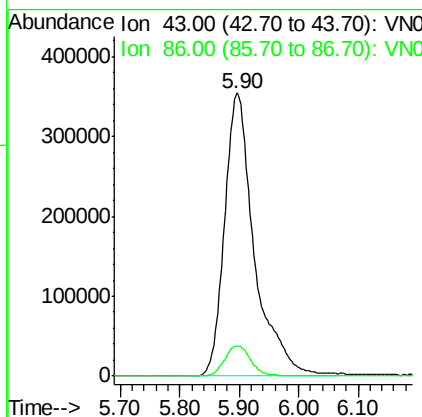
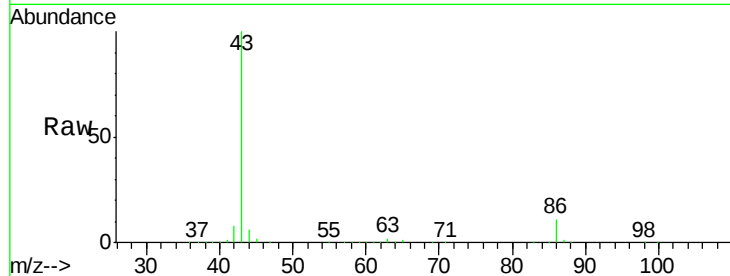
86 10.8 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.466 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

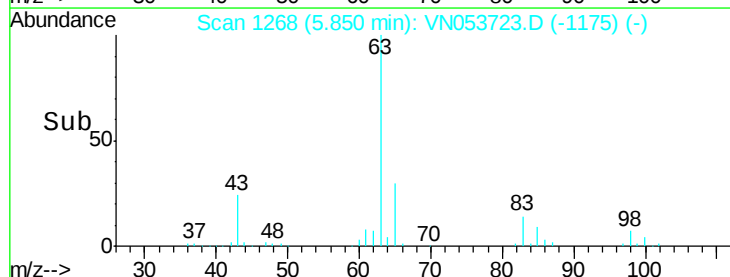
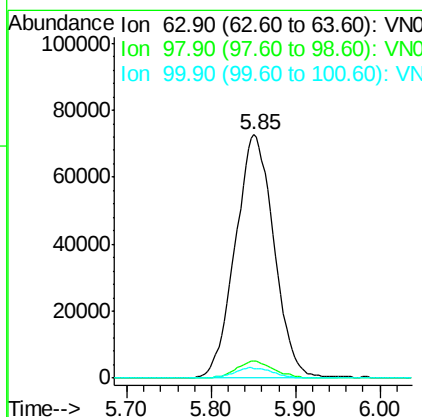
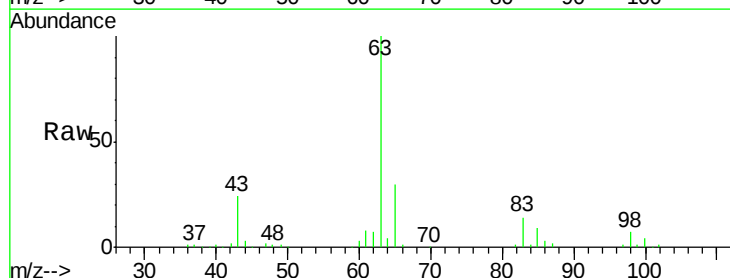
Tgt Ion: 63 Resp: 231916

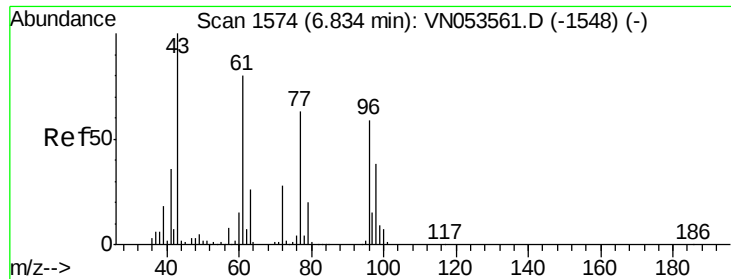
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 3.8 2.1 6.5





#25

2-Butanone

Concen: 108.636 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0212WBSD01

Tot Ion: 43 Resp: 260670

Ion Ratio Lower Upper

43 100

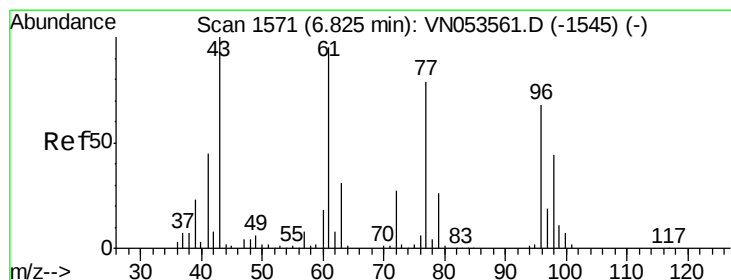
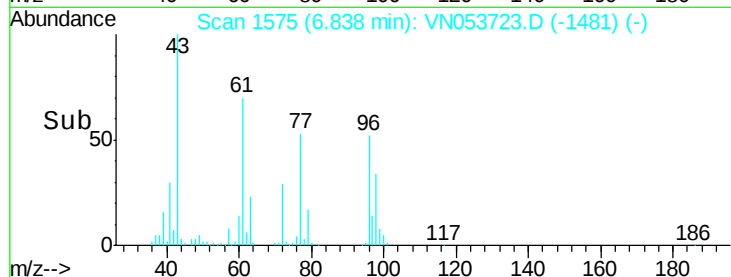
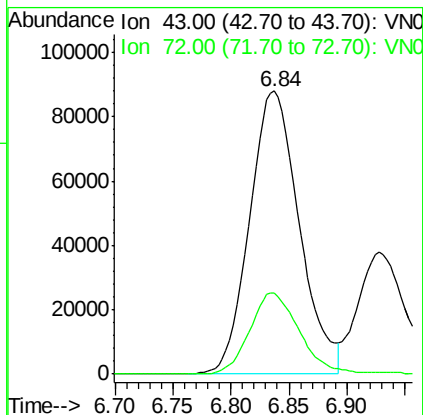
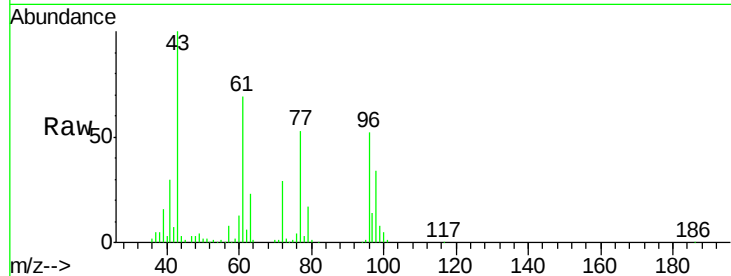
72 28.6 22.0 33.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.058 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053723.D

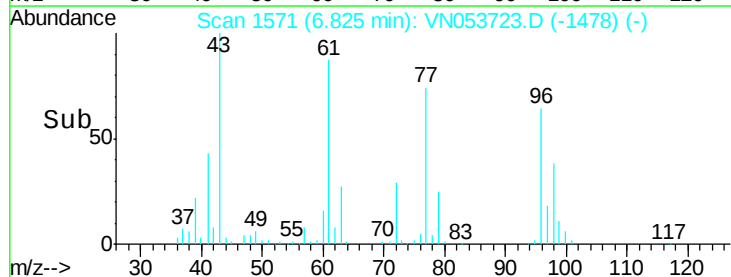
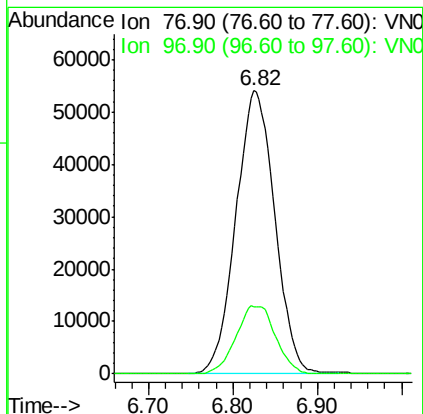
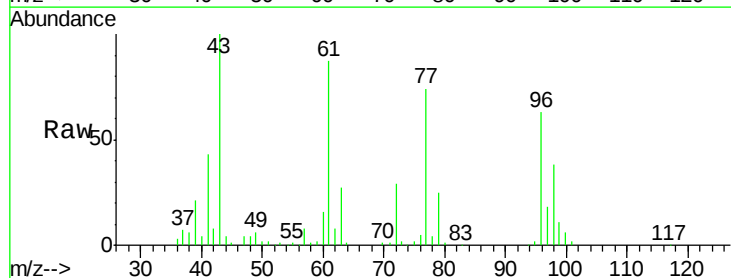
Acq: 12 Feb 2019 11:58

Tgt Ion: 77 Resp: 173326

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.731 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

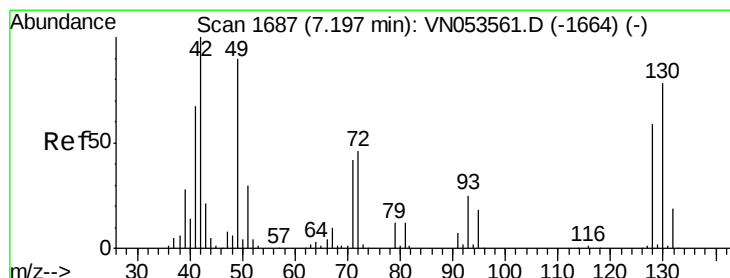
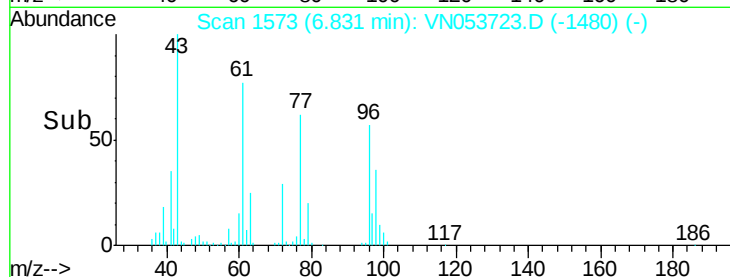
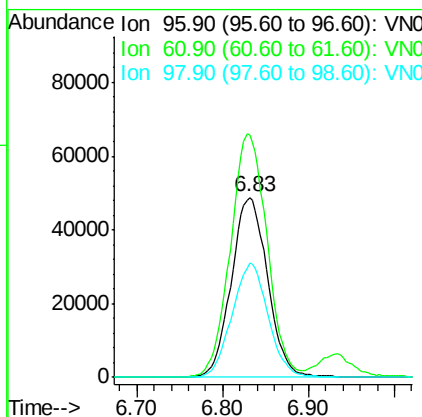
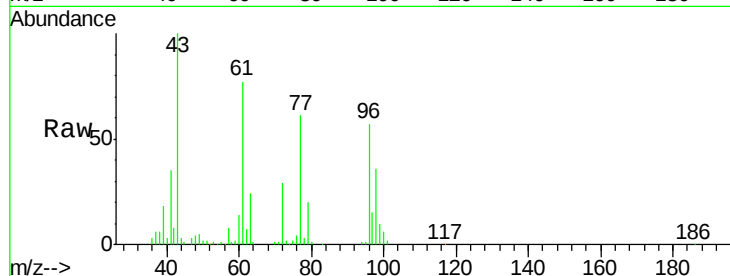
ClientSampleId :

VN0212WBSD01

Tot Ion:	96	Resp:	143309
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	283.8
98	63.2	0.0	129.2

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#28

Bromochloromethane

Concen: 20.853 ug/l

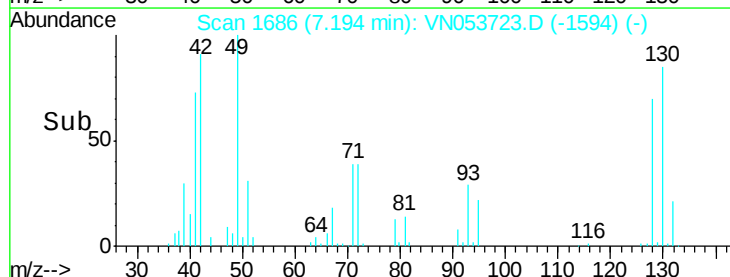
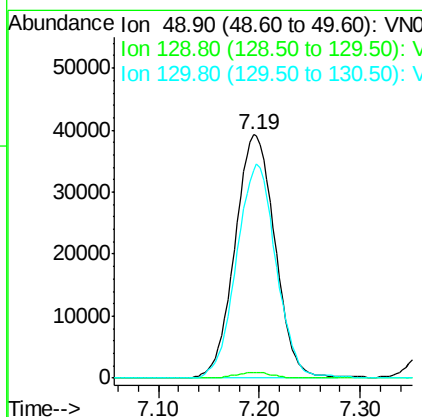
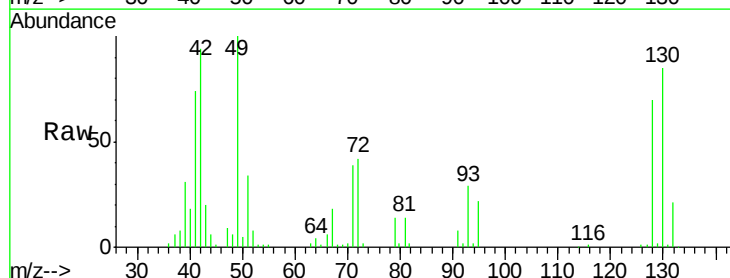
RT: 7.19 min Scan# 1686

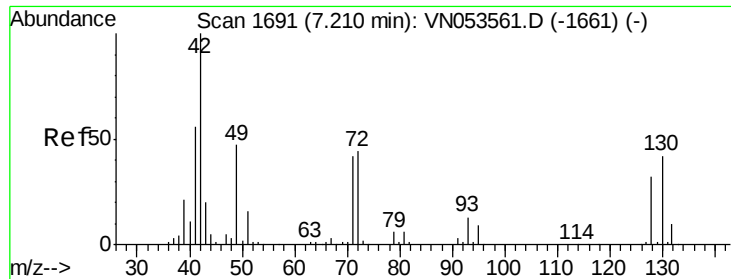
Delta R.T. -0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion:	49	Resp:	107813
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	87.3	66.3	99.5





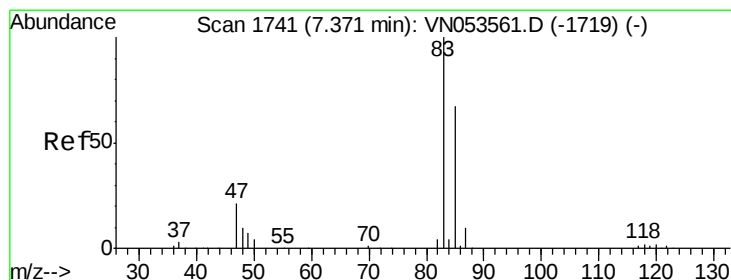
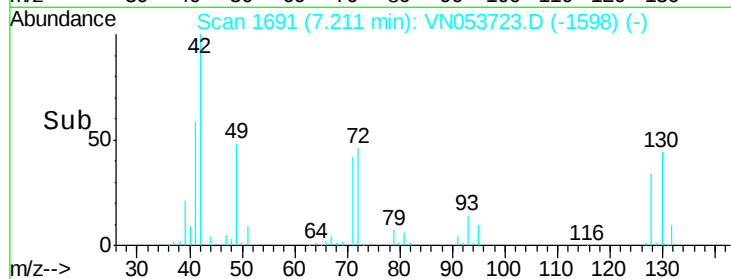
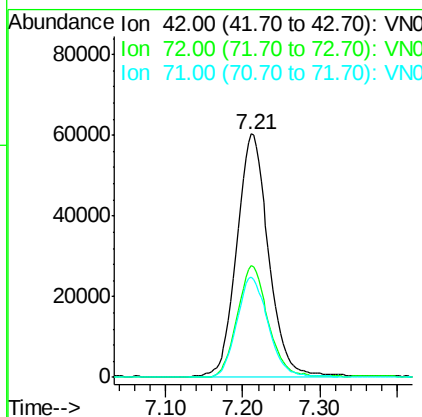
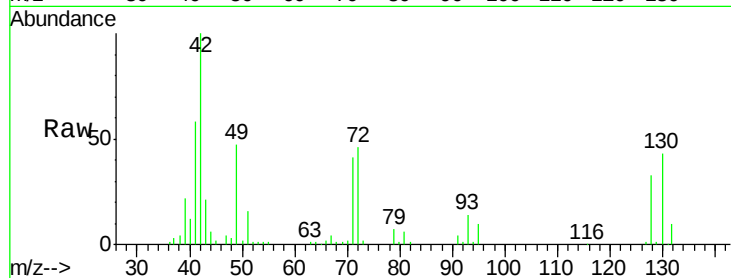
#29
Tetrahydrofuran
Concen: 112.264 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.2	52.8
71	40.1	33.0	49.4

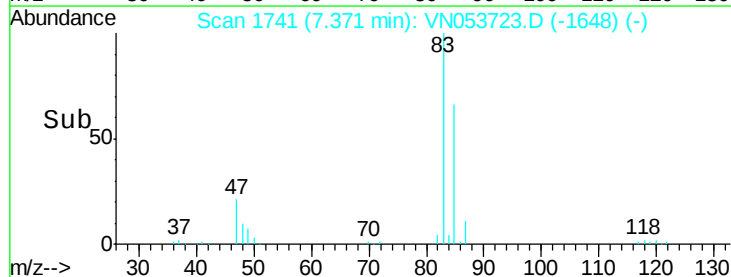
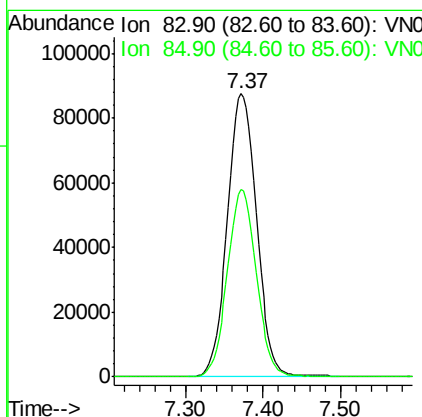
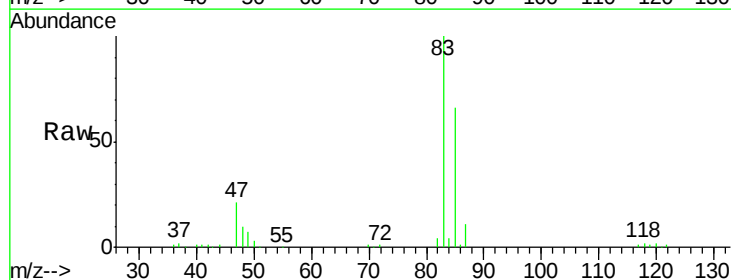
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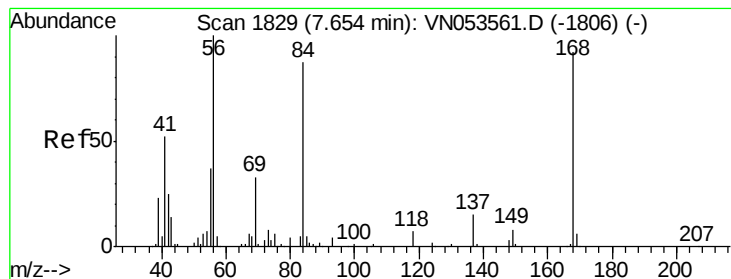
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#30
Chloroform
Concen: 19.466 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.2	78.2





#31

Cyclohexane

Concen: 18.072 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

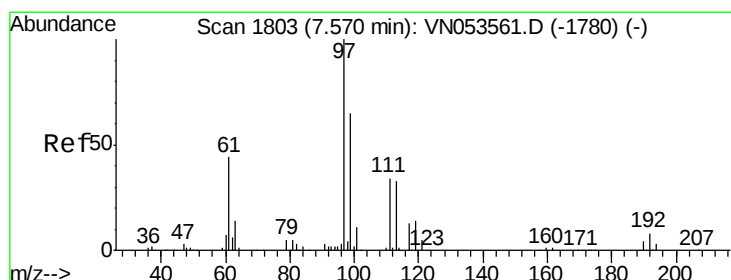
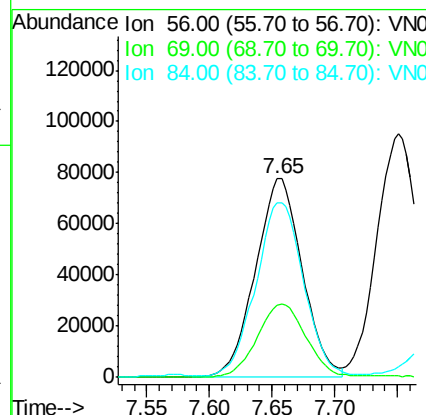
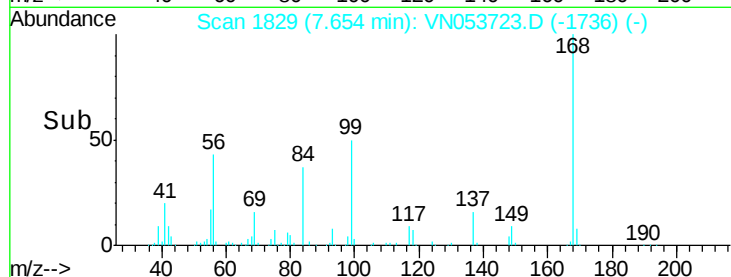
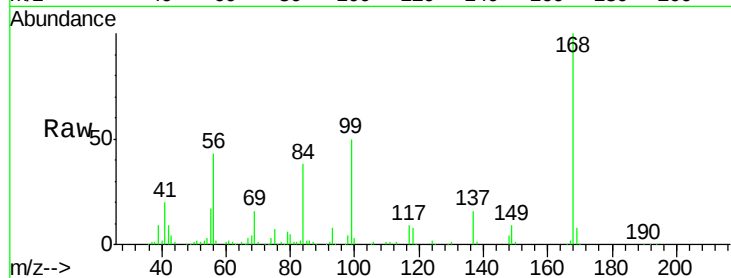
ClientSampleID :

VN0212WBSD01

Tot Ion:	56	Resp:	201657
Ion Ratio		Lower	Upper
56	100		
69	36.2	26.4	39.6
84	86.6	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 19.564 ug/l

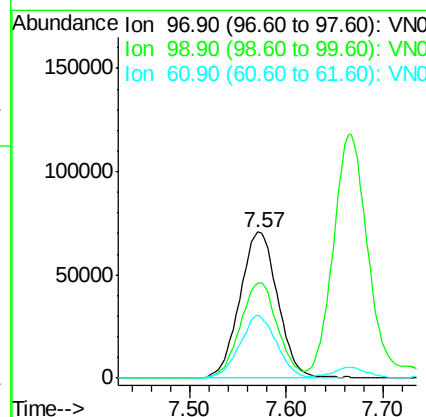
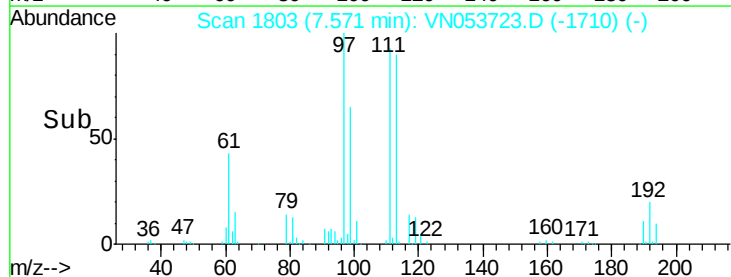
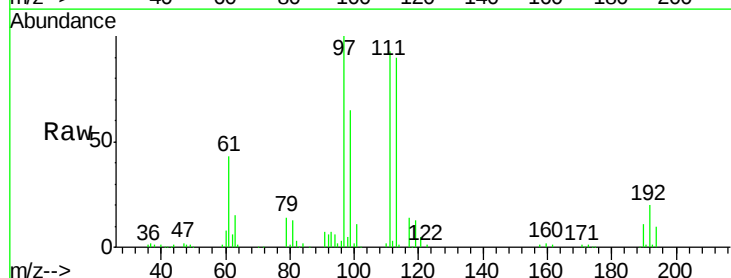
RT: 7.57 min Scan# 1803

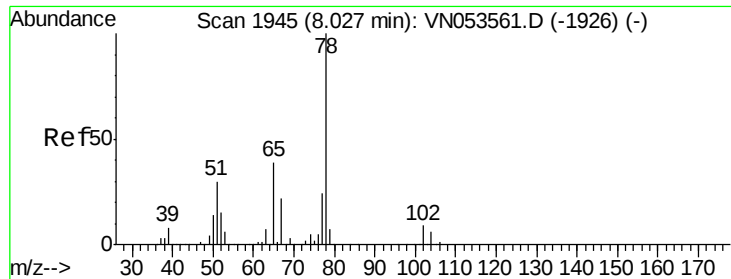
Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion:	97	Resp:	192287
Ion Ratio		Lower	Upper
97	100		
99	64.5	52.0	78.0
61	41.6	34.4	51.6





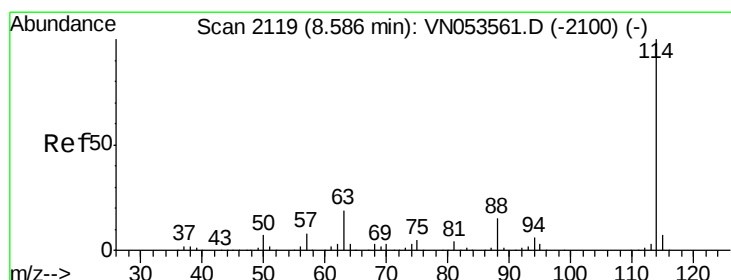
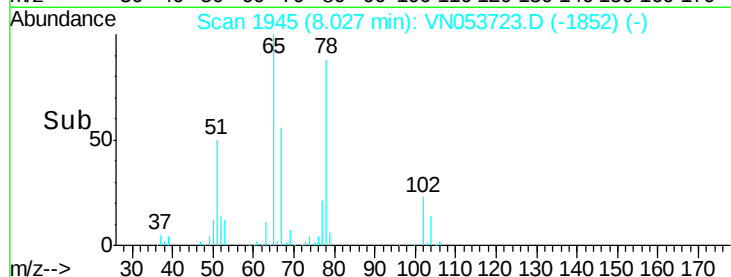
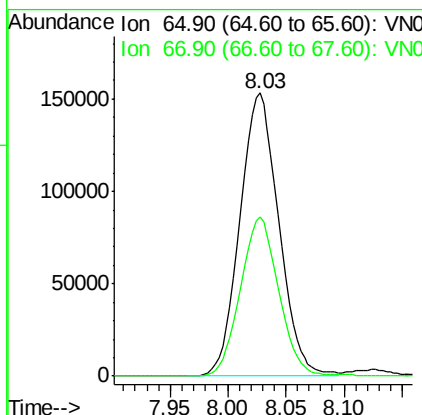
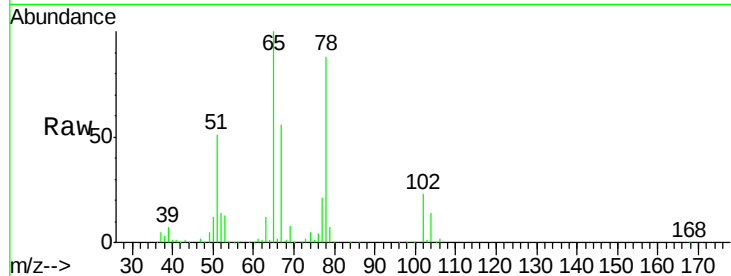
#33
 1,2-Dichloroethane-d4
 Concen: 54.600 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0	111.2	

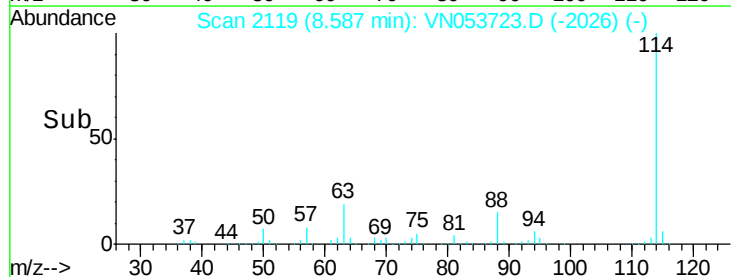
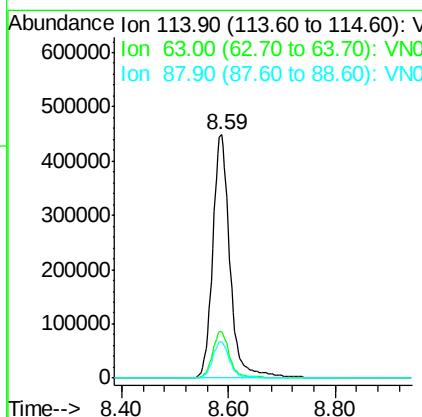
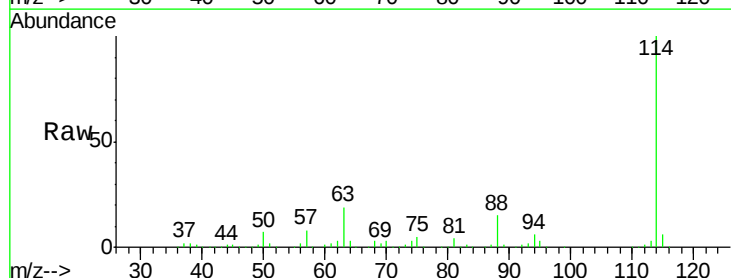
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	38.6	
88	14.9	0.0	30.4	





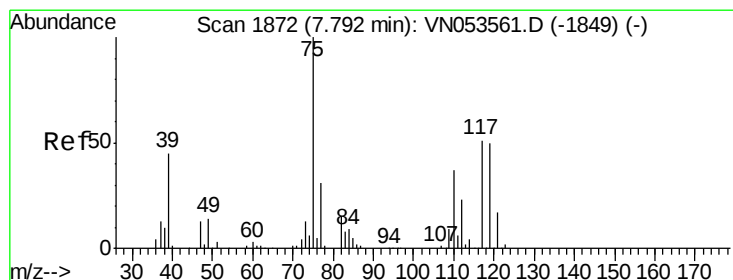
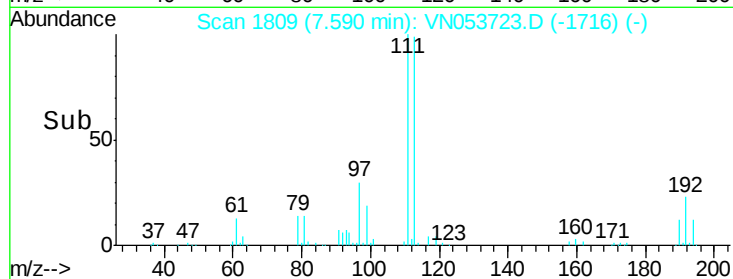
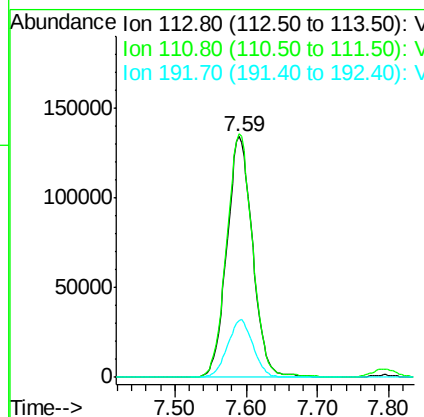
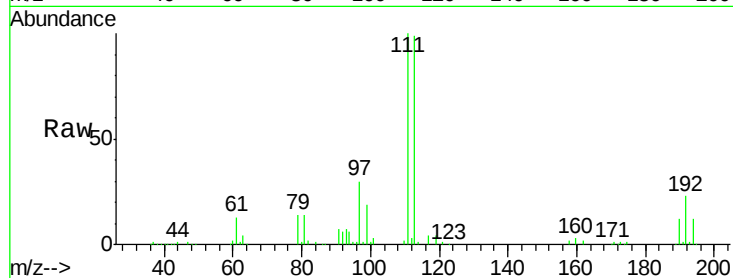
#35
Dibromofluoromethane
Concen: 52.915 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampled :
VN0212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	81.1	121.7	
192	23.7	18.2	27.2	

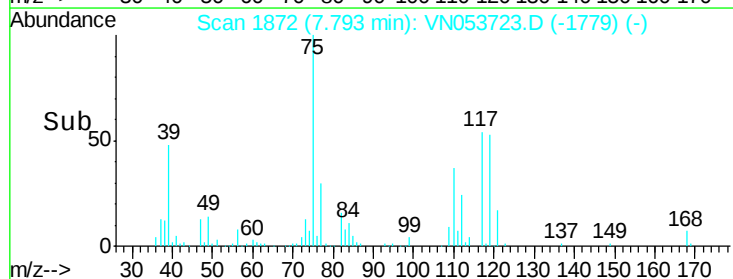
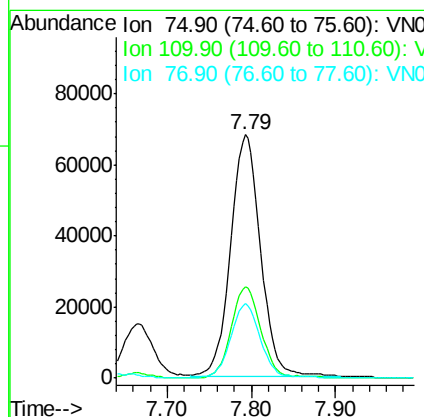
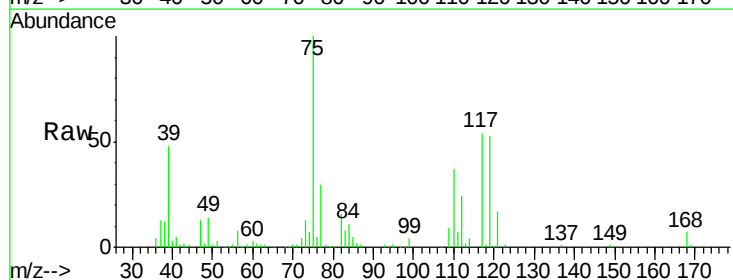
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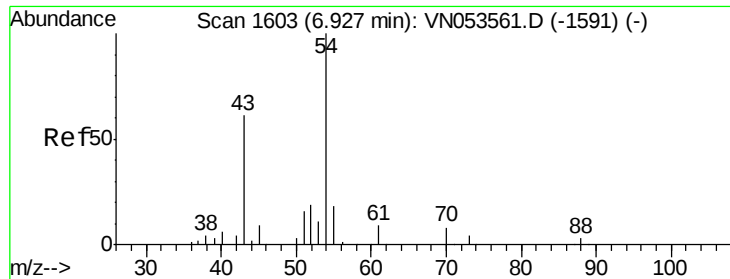
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#36
1,1-Dichloropropene
Concen: 18.388 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.3	18.1	54.3	
77	31.1	25.1	37.7	





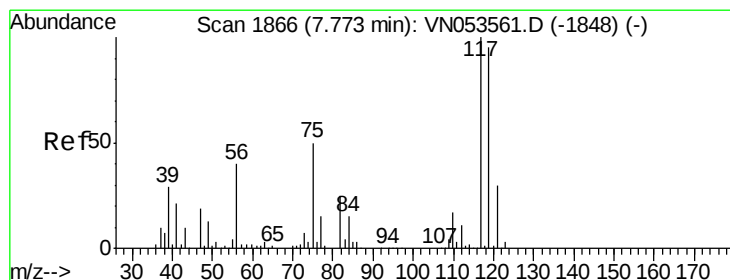
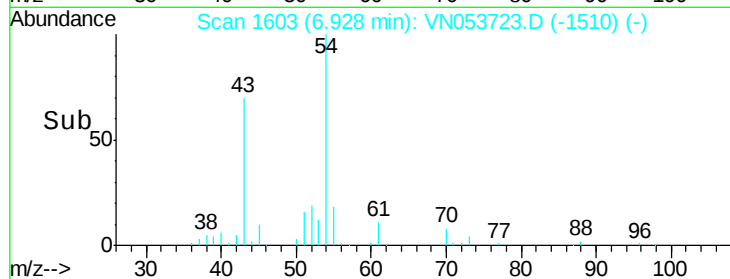
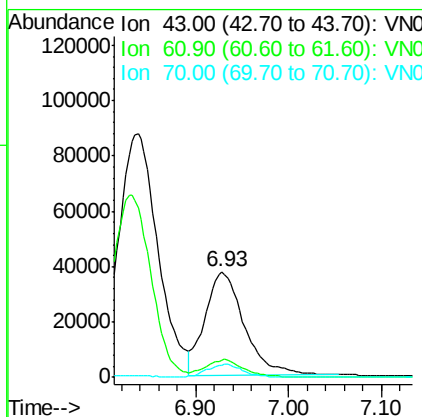
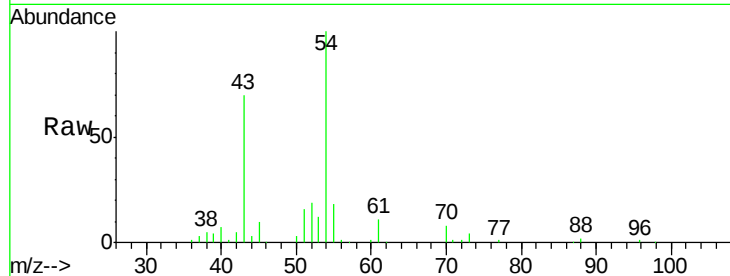
#37
Ethyl Acetate
Concen: 21.702 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	43	61	70
Resp	110403		
Ratio	100	15.4	11.9
Lower		11.8	8.6
Upper		17.6	12.8

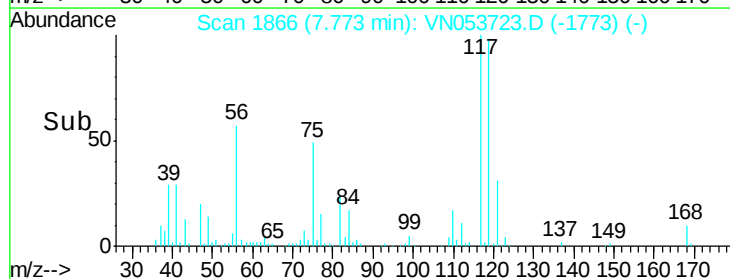
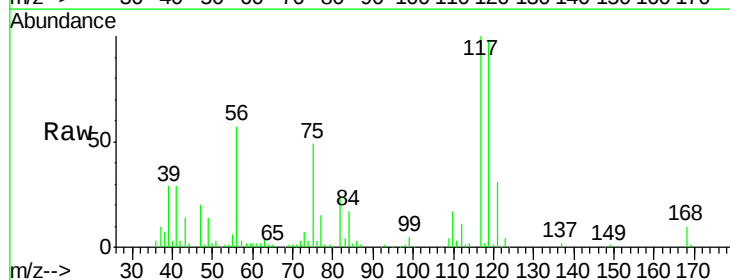
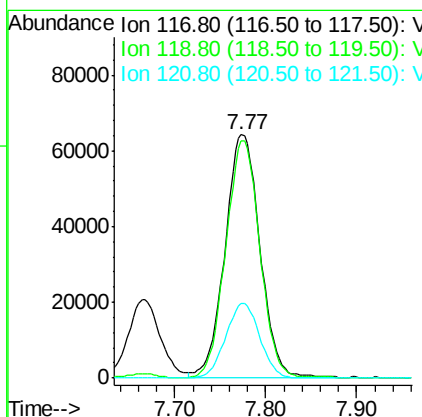
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#38
Carbon Tetrachloride
Concen: 18.585 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	117	119	121
Resp	170531		
Ratio	100	97.8	30.7
Lower		77.2	24.6
Upper		115.8	37.0





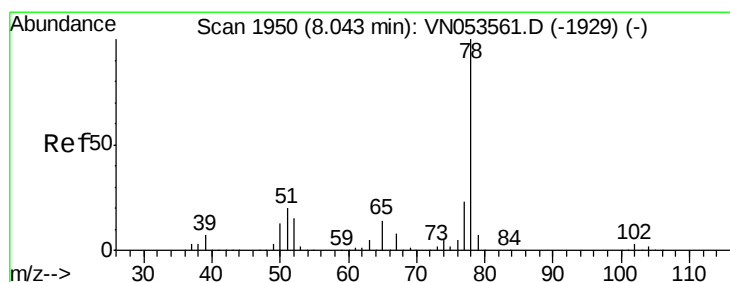
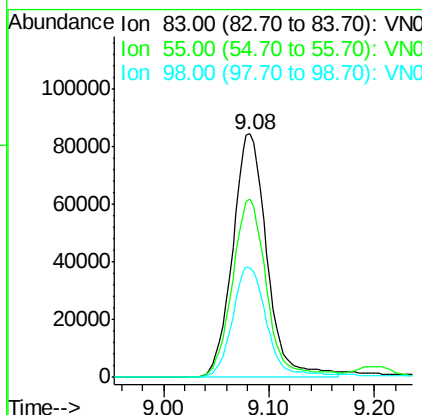
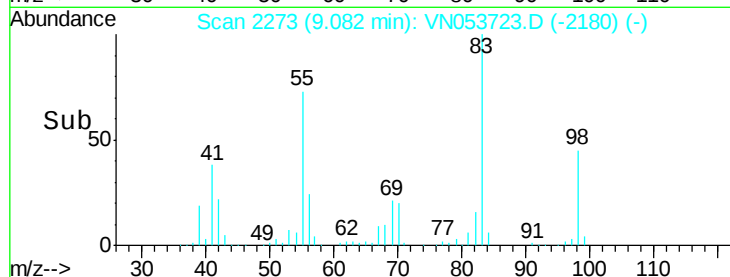
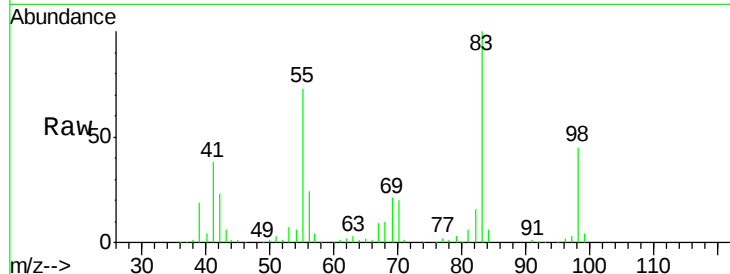
#39
Methvlcvclohexane
Concen: 17.582 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.2	60.1	90.1	
98	44.8	36.6	55.0	

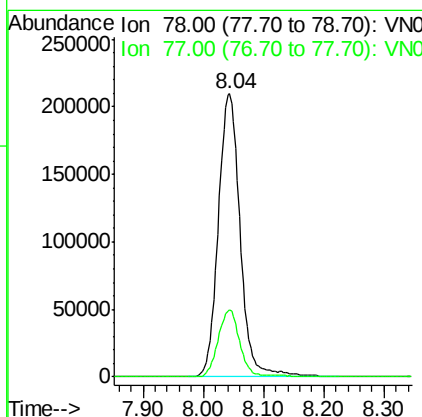
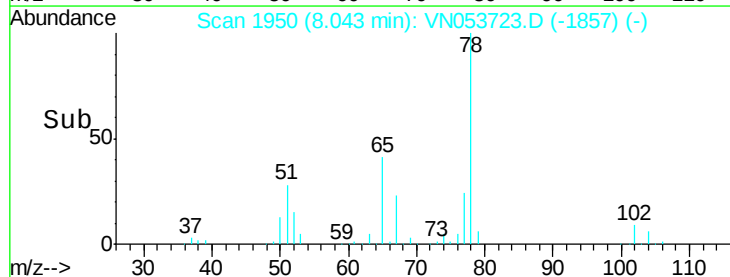
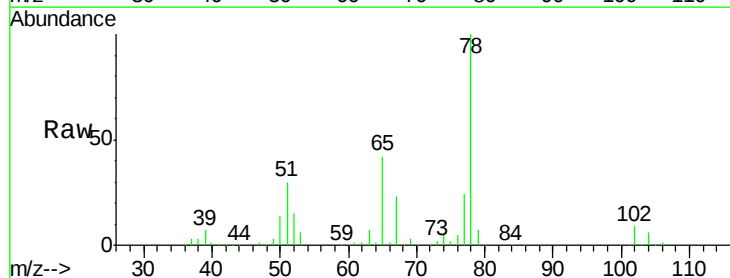
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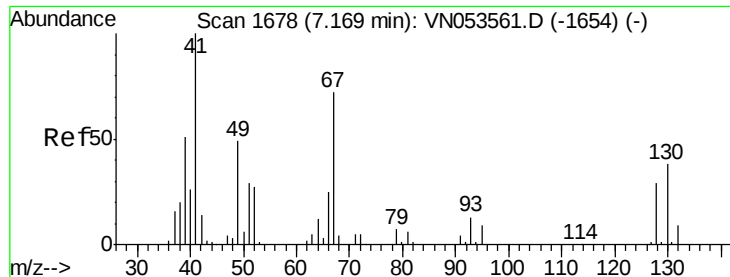
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#40
Benzene
Concen: 18.639 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

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





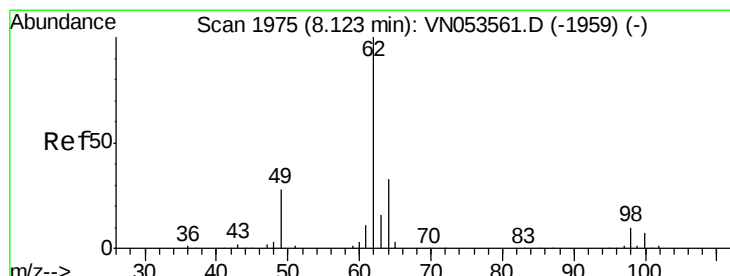
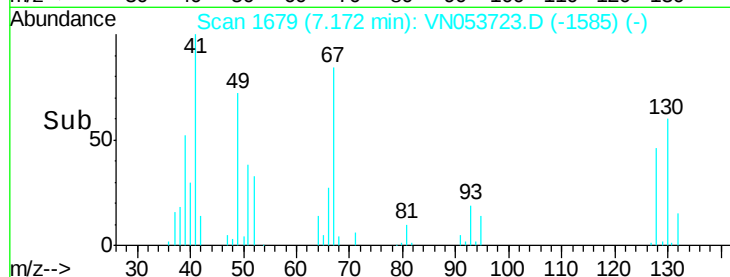
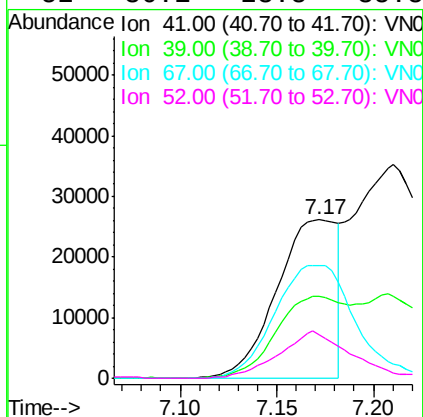
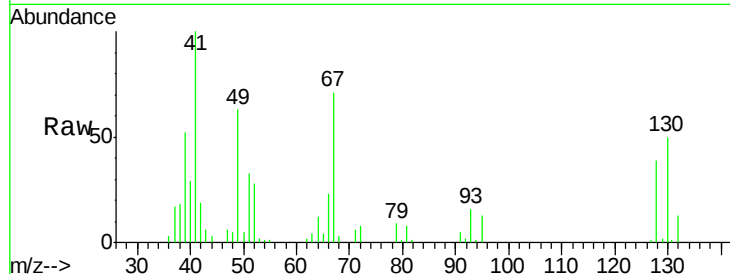
#41
Methacrylonitrile
Concen: 20.025 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion:	41	Resp:	56936
Ion Ratio	Lower	Upper	
41	100		
39	59.8	46.8	70.2
67	95.3	63.0	94.6#
52	36.1	23.8	35.8#

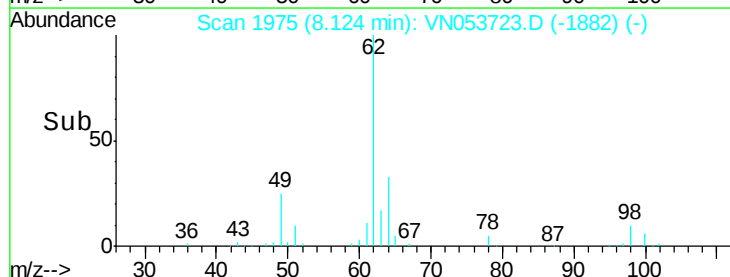
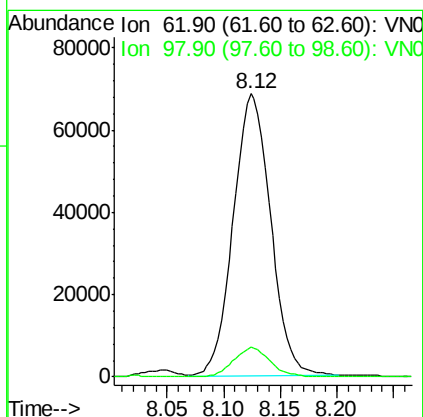
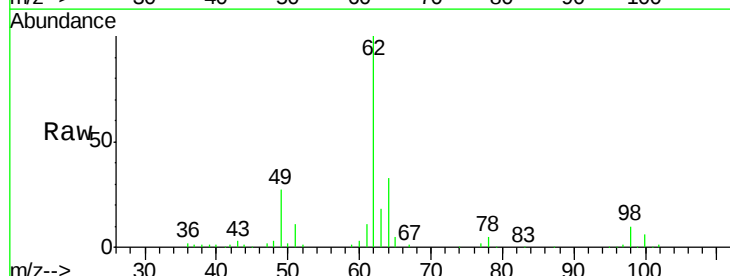
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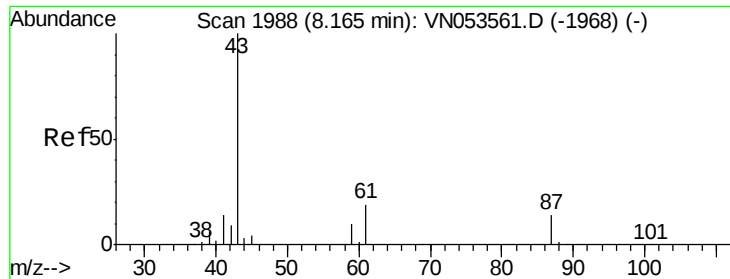
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#42
1,2-Dichloroethane
Concen: 18.928 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion:	62	Resp:	157857
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	19.6





#43

Isopropyl Acetate

Concen: 20.333 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

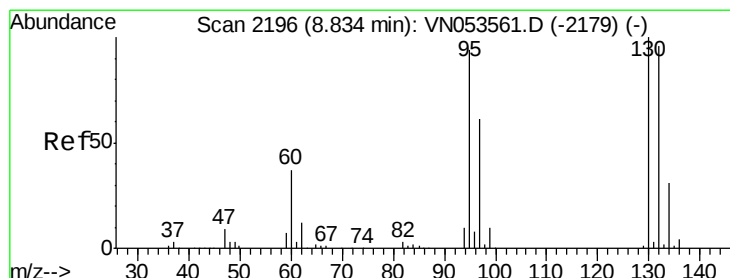
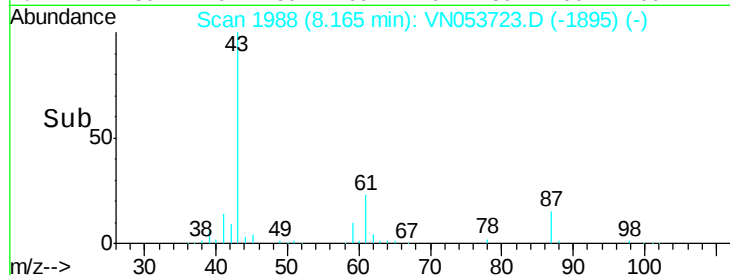
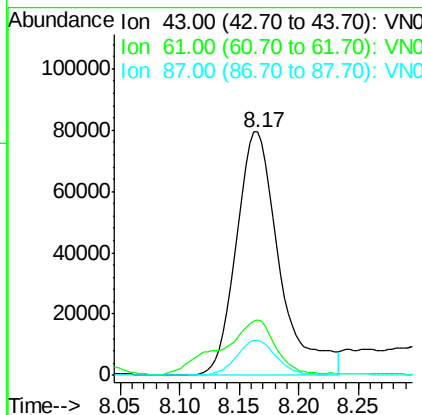
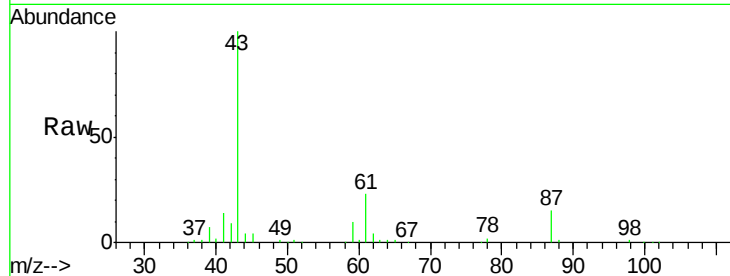
ClientSampleId :

VN0212WBSD01

Tot Ion:	43	Resp:	199758
Ion	Ratio	Lower	Upper
43	100		
61	27.9	23.9	35.9
87	13.2	11.0	16.6

Manual Integrations
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2/13/2019 12:15:17 PM



#44

Trichloroethene

Concen: 18.689 ug/l

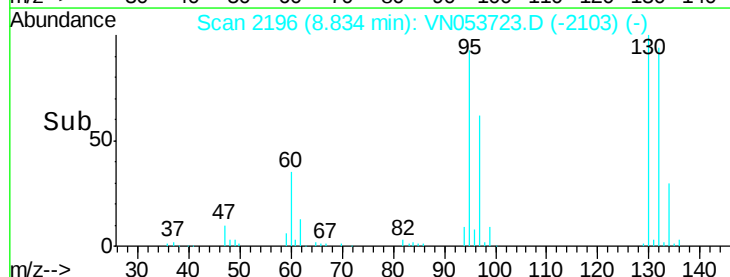
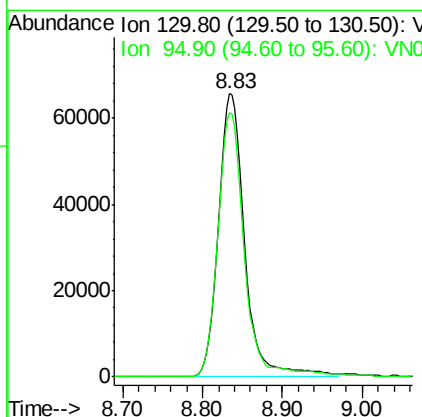
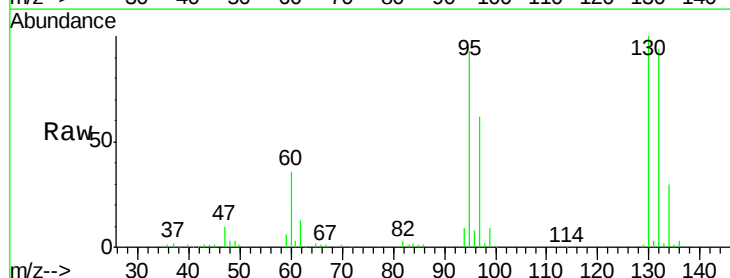
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion:	130	Resp:	149452
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	191.4





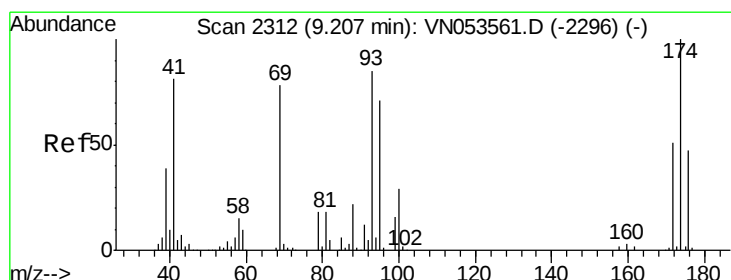
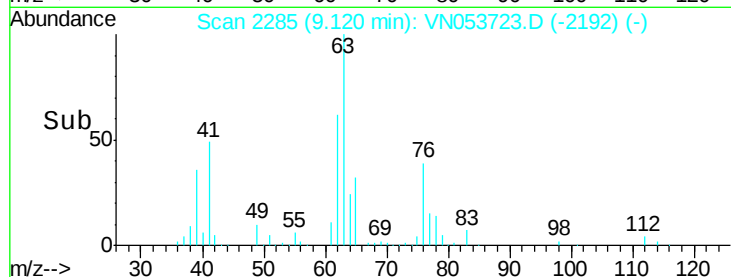
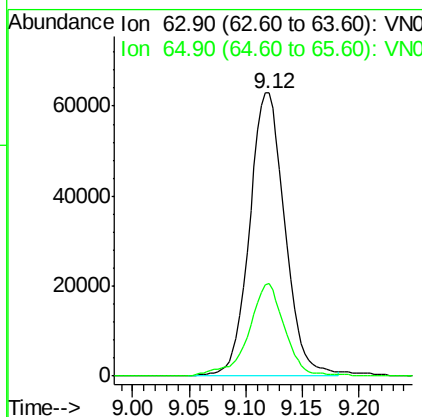
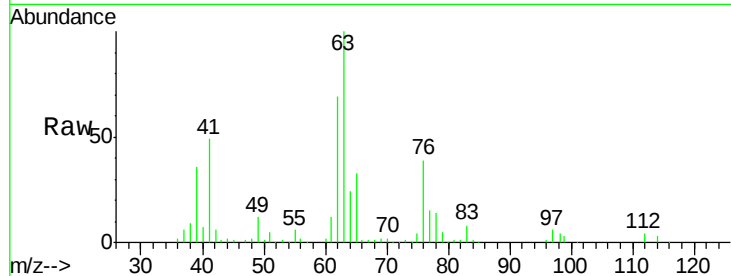
#45
 1,2-Dichloropropane
 Concen: 19.062 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBSD01

Tot Ion: 63 Resp: 136946
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.0 37.4

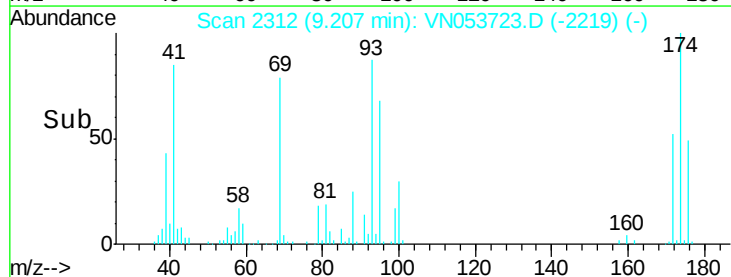
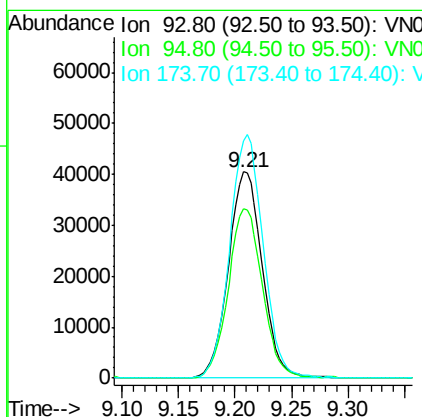
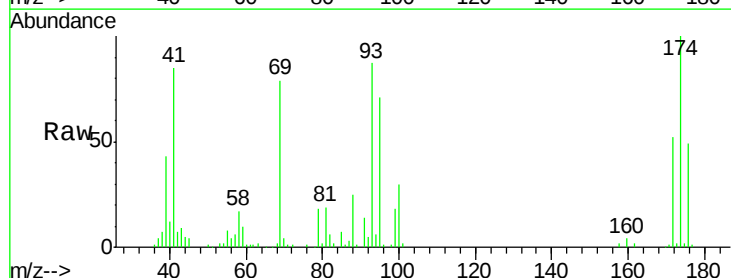
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.509 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Tgt Ion: 93 Resp: 84491
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.3 100.9
 174 116.5 91.0 136.4





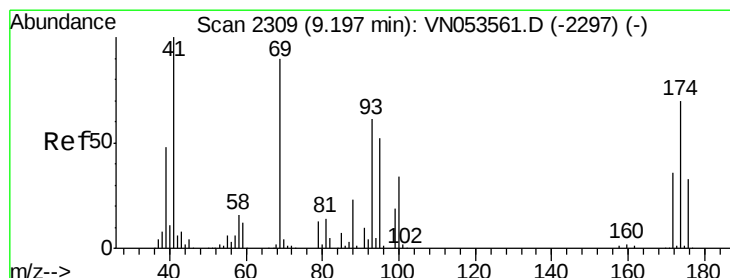
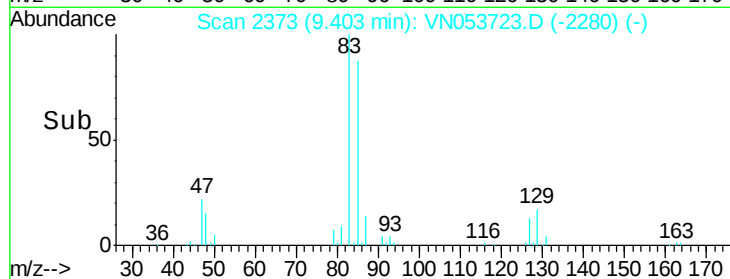
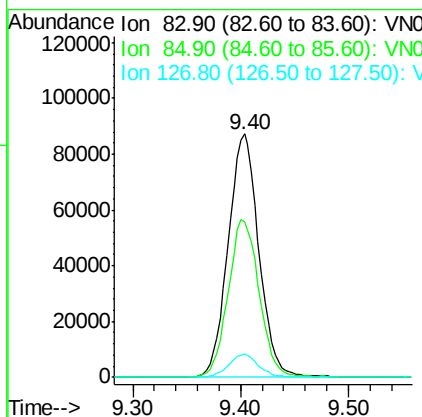
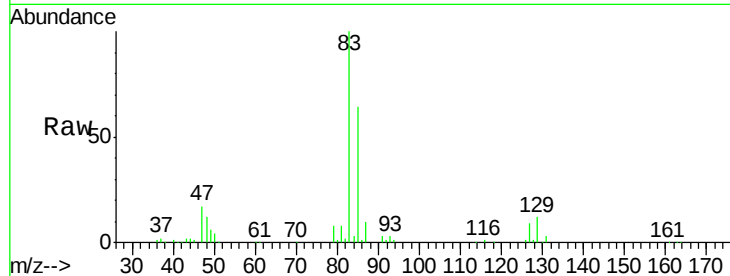
#47
Bromodichloromethane
Concen: 19.236 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	83	Resp	173208
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	51.0	76.6
127	9.4	7.0	10.6

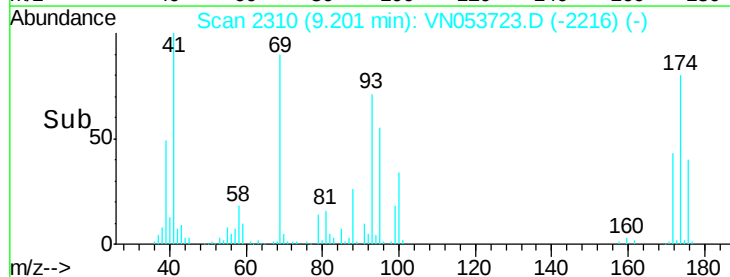
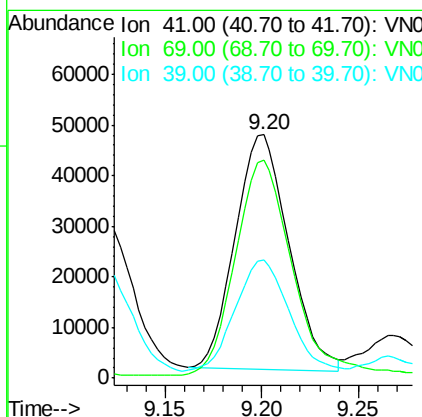
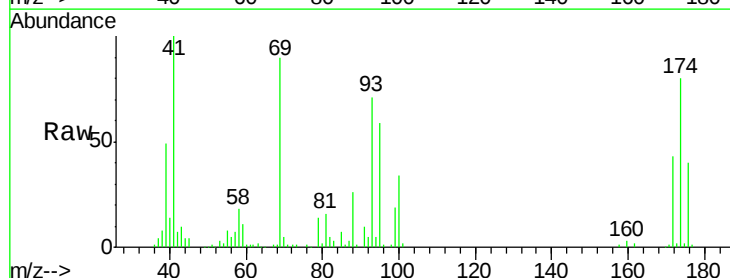
Manual Integrations
APPROVED

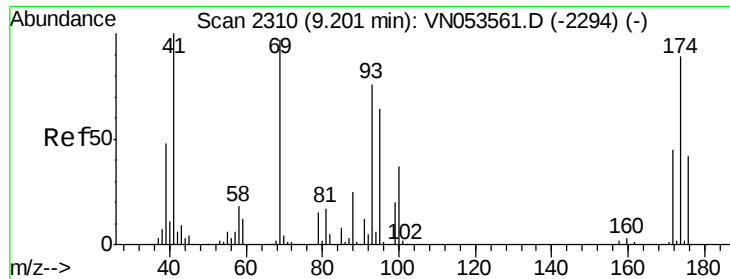
MMDadoda
2/13/2019 12:15:17 PM



#48
Methyl methacrylate
Concen: 18.987 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	41	Resp	89043
Ion Ratio	100	Lower	Upper
41	100		
69	102.7	73.8	110.6
39	53.7	40.0	60.0





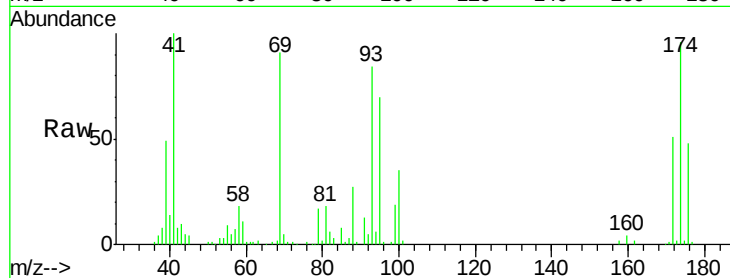
#49
1,4-Dioxane
Concen: 437.599 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	27.8	41.6
58	67.6	56.5	84.7

Manual Integrations
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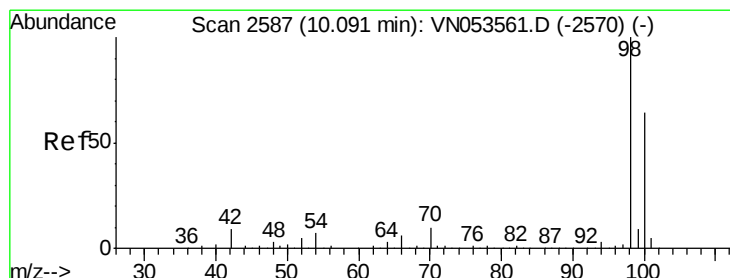
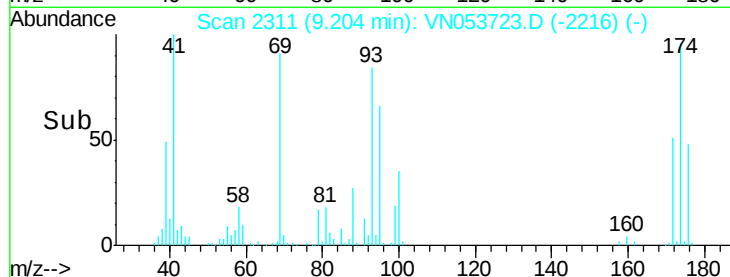
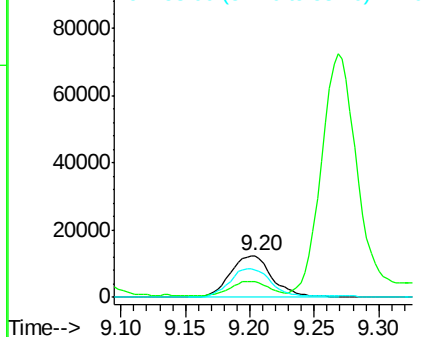


Abundance

Ion 88.00 (87.70 to 88.70): VN053723.D (-2216) (-)

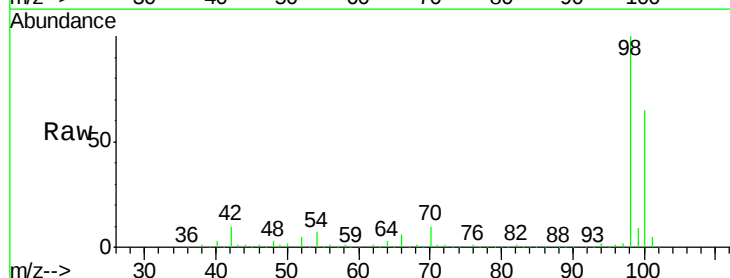
Ion 43.00 (42.70 to 43.70): VN053723.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053723.D (-2216) (-)



#50
Toluene-d8
Concen: 51.229 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

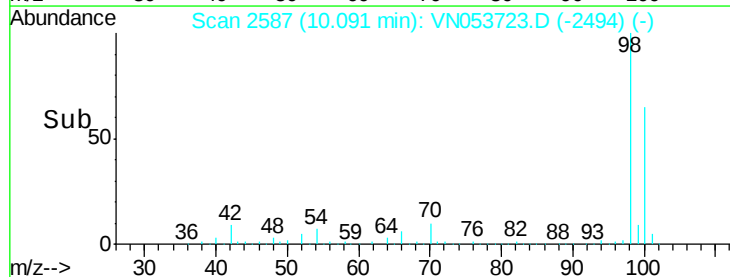
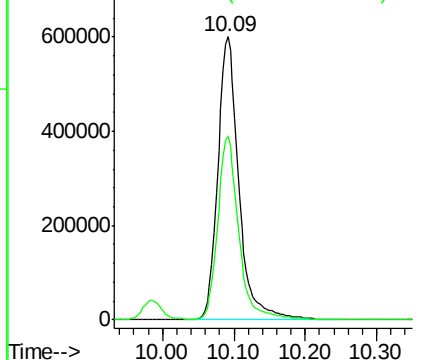
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.0



Abundance

Ion 98.00 (97.70 to 98.70): VN053723.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053723.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 108.180 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBSD01

Tot Ion: 43 Resp: 522265

Ion Ratio Lower Upper

43 100

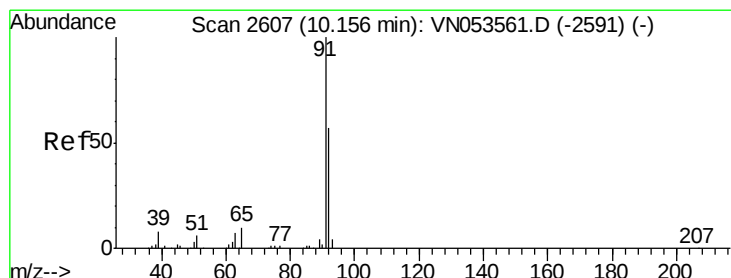
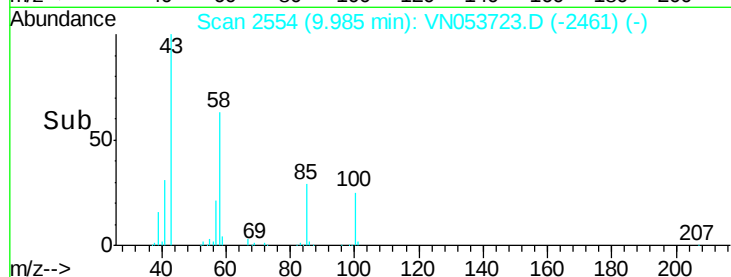
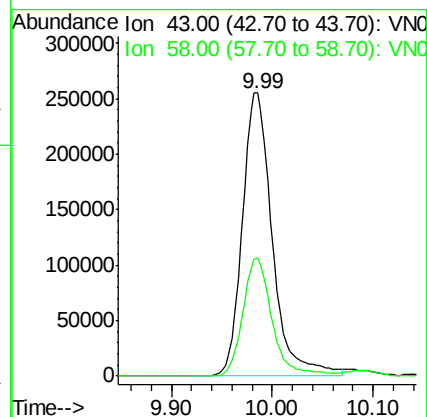
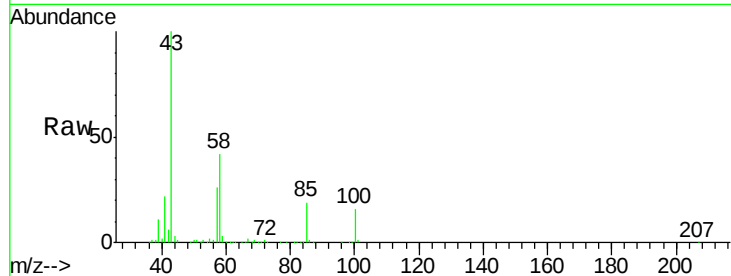
58 40.8 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 19.069 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053723.D

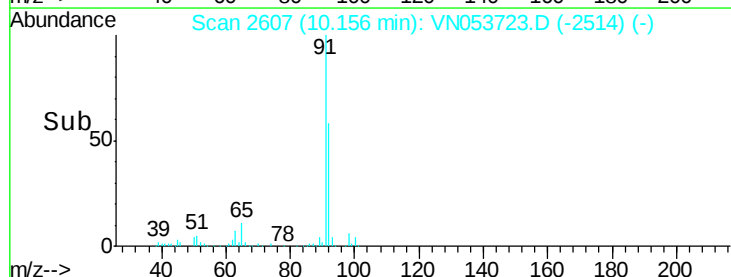
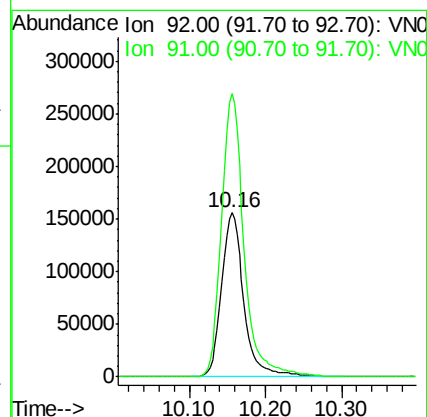
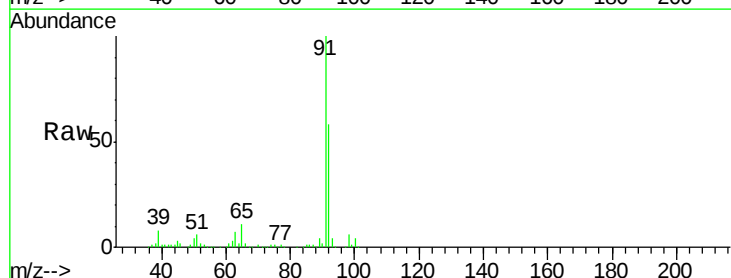
Acq: 12 Feb 2019 11:58

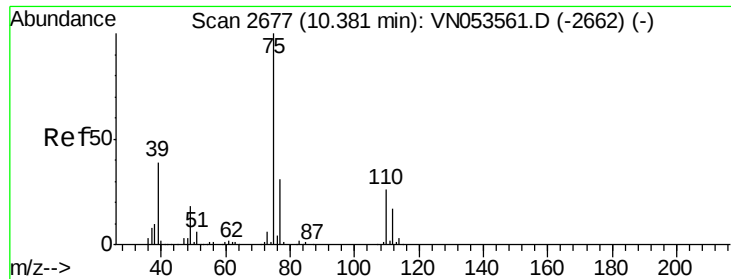
Tgt Ion: 92 Resp: 317885

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.892 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBSD01

Tot Ion: 75 Resp: 170344

Ion Ratio Lower Upper

75 100

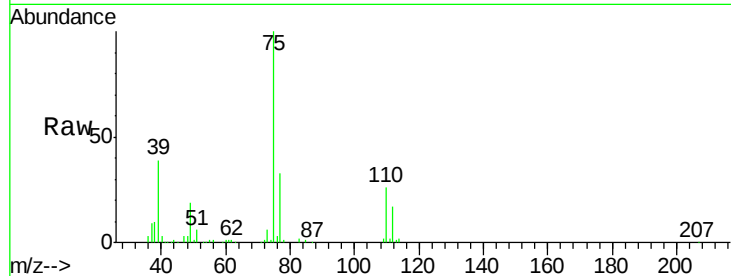
77 32.3 25.5 38.3

Manual Integrations

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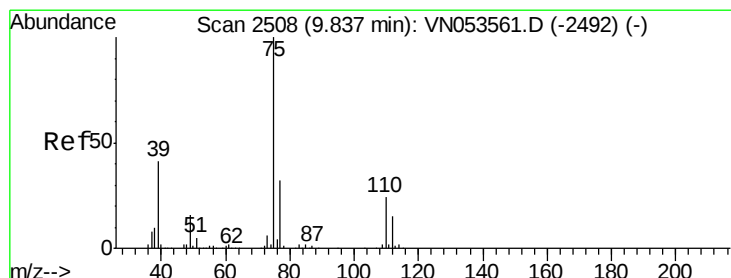
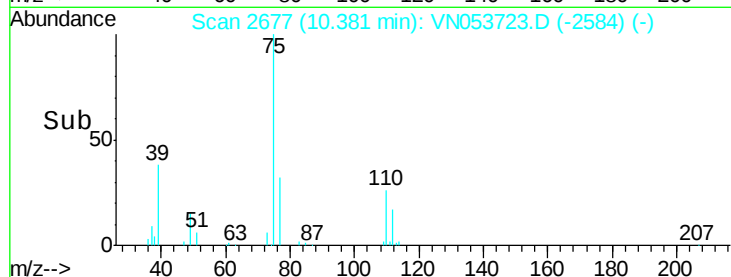
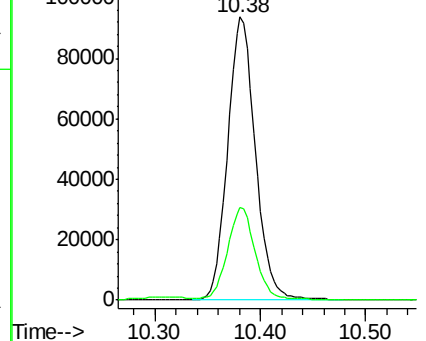
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.780 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

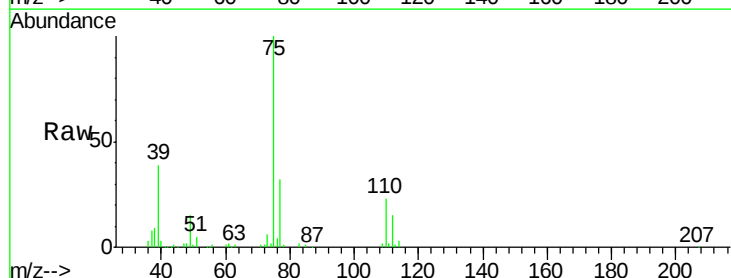
Tgt Ion: 75 Resp: 200665

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

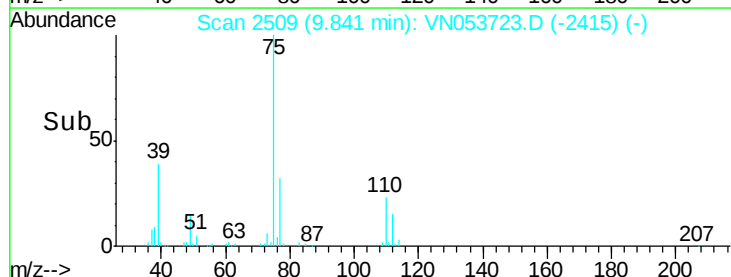
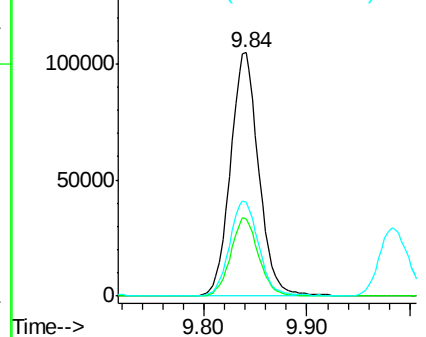
39 38.6 33.4 50.0

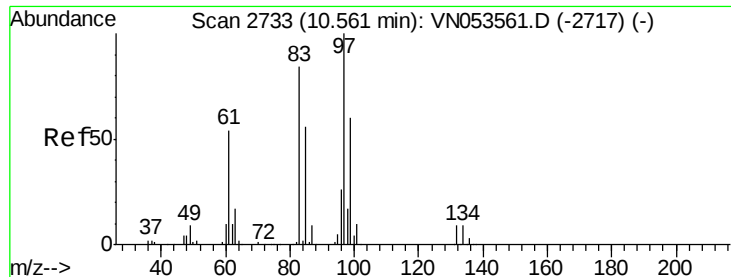


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





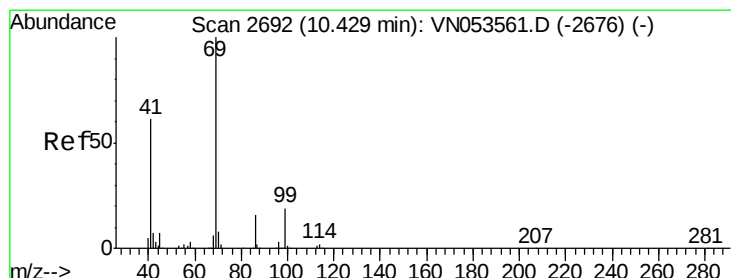
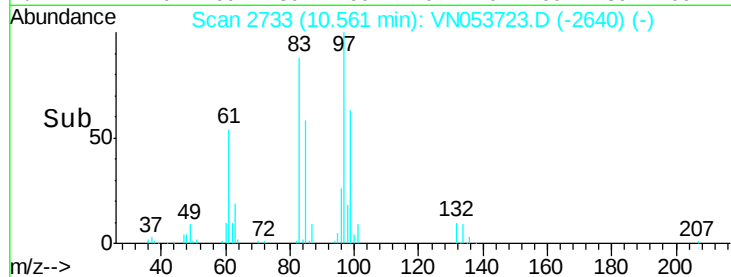
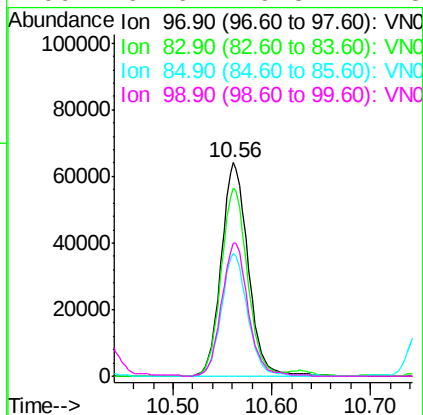
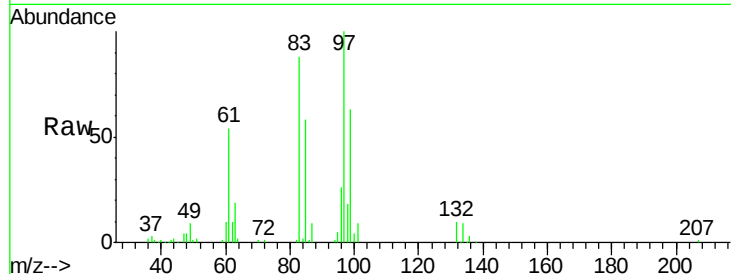
#55
 1,1,2-Trichloroethane
 Concen: 20.457 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		122885		
83	88.2	70.1	105.1		
85	57.7	45.4	68.0		
99	62.6	49.8	74.8		

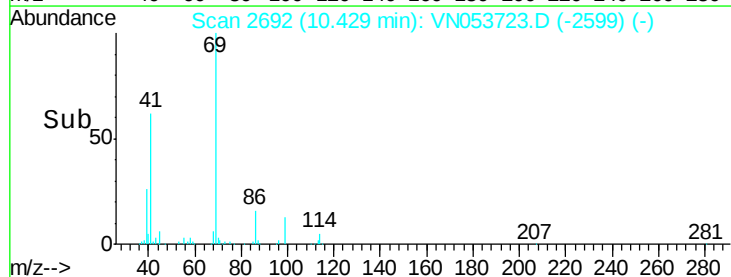
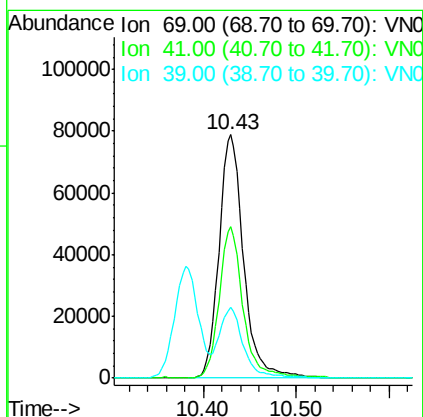
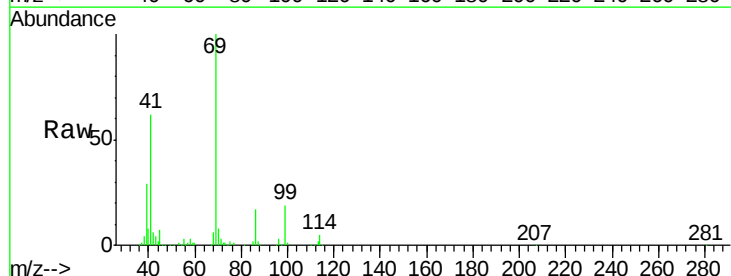
Manual Integrations
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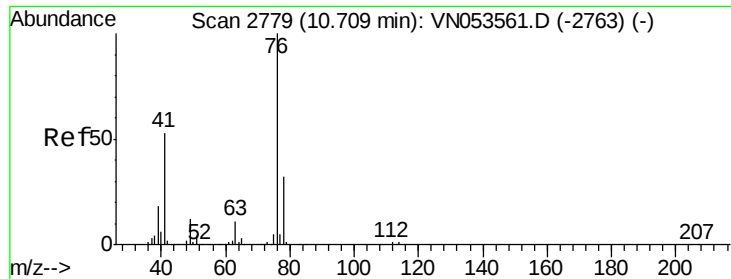
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#56
 Ethyl methacrylate
 Concen: 20.391 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		144906		
41	60.9	49.4	74.0		
39	28.6	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 19.658 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBSD01

Tot Ion: 76 Resp: 201821

Ion Ratio Lower Upper

76 100

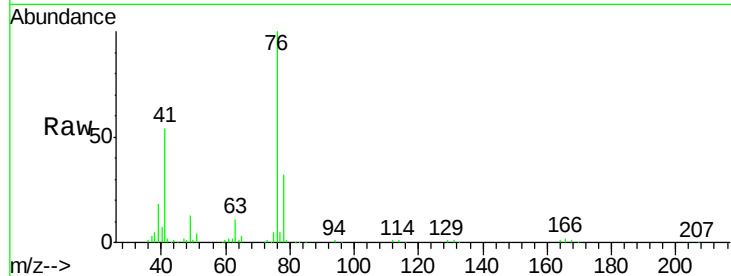
78 32.3 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

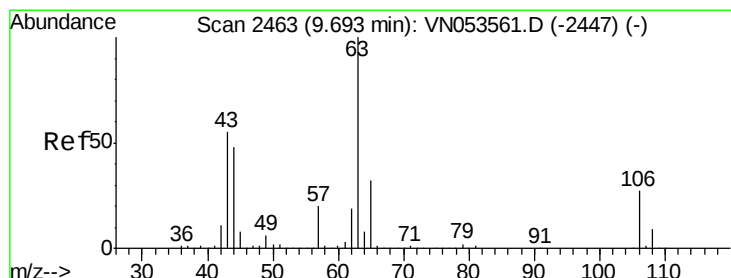
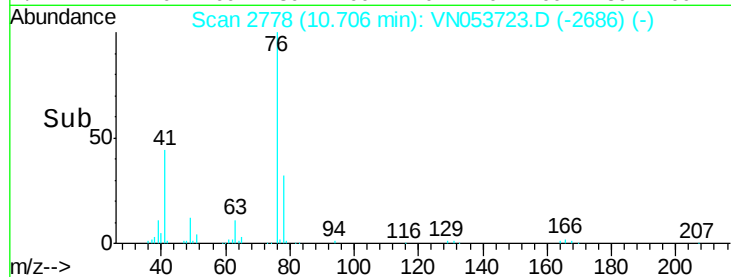
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 87.246 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053723.D

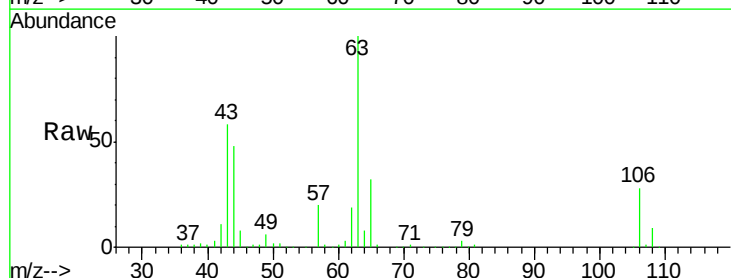
Acq: 12 Feb 2019 11:58

Tgt Ion: 63 Resp: 360770

Ion Ratio Lower Upper

63 100

106 27.4 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

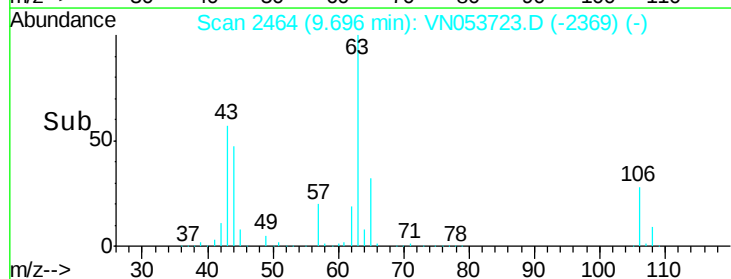
150000

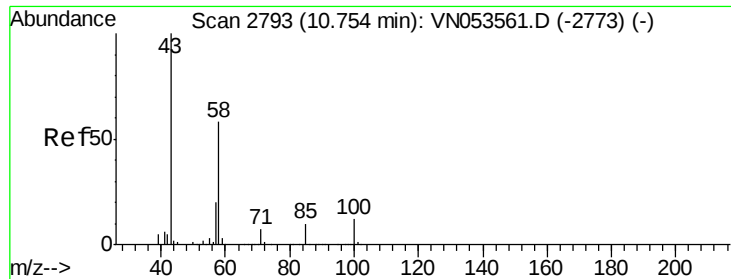
100000

50000

0

Time--> 9.60 9.70 9.80





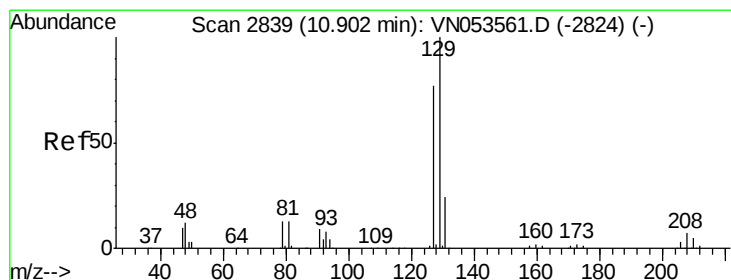
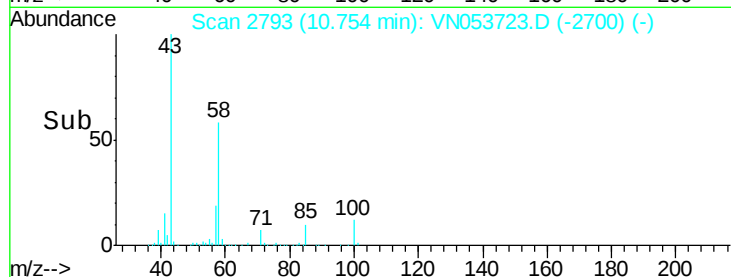
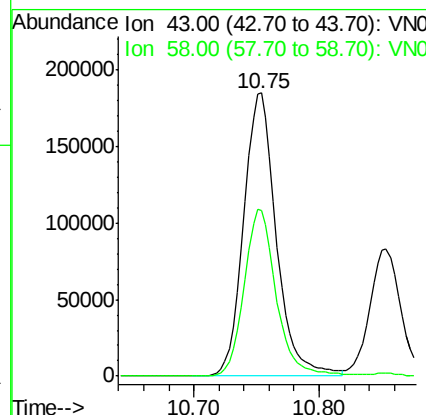
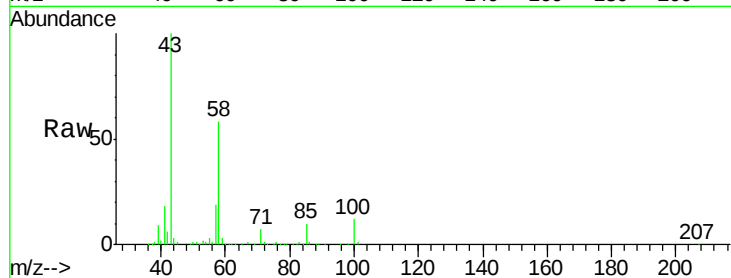
#59
2-Hexanone
Concen: 101.698 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	43	Resp	333306
Ion Ratio	Lower	Upper	
43	100		
58	58.0	28.6	85.8

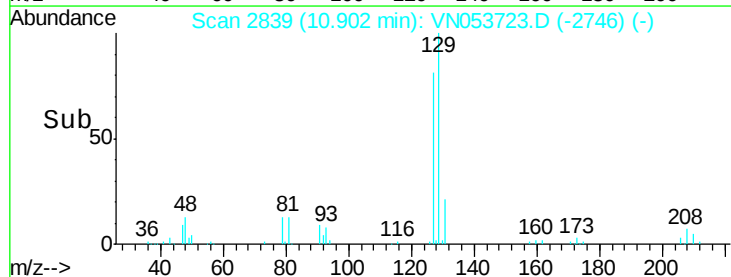
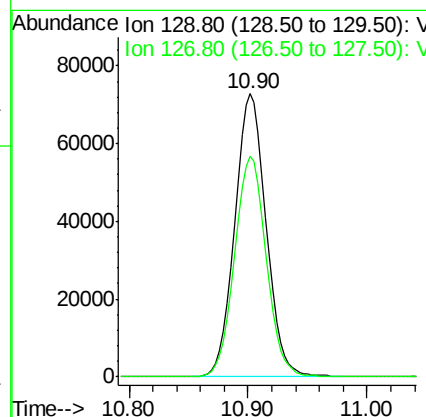
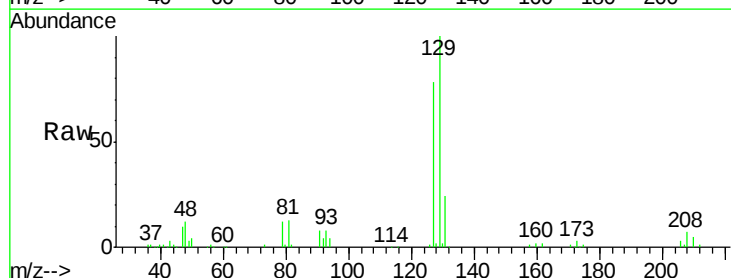
Manual Integrations
APPROVED

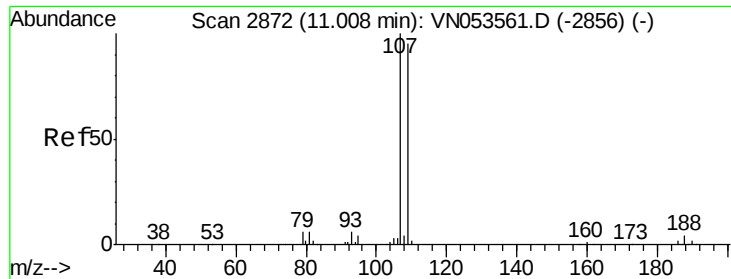
MMDadoda
2/13/2019 12:15:17 PM



#60
Dibromochloromethane
Concen: 19.582 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	129	Resp	132651
Ion Ratio	Lower	Upper	
129	100		
127	78.8	38.6	115.8





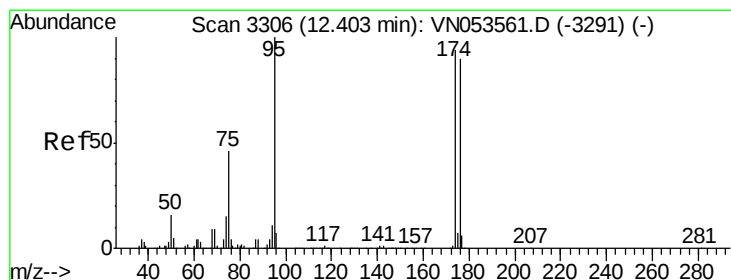
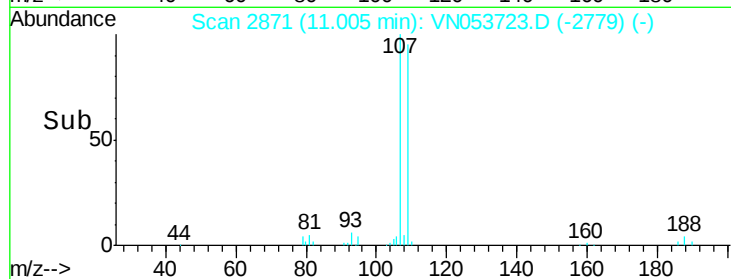
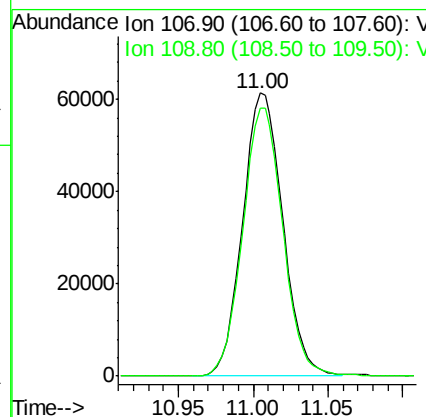
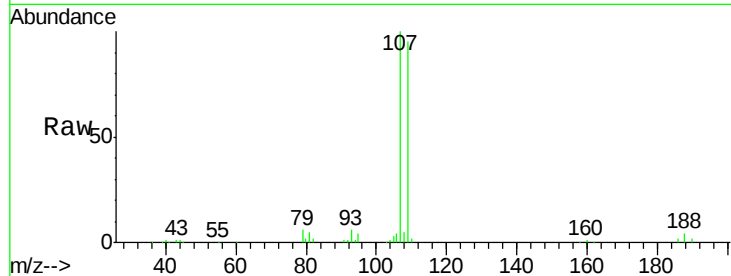
#61
 1,2-Dibromoethane
 Concen: 19.293 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBSD01

Tot Ion: 107 Resp: 114705
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.7 113.5

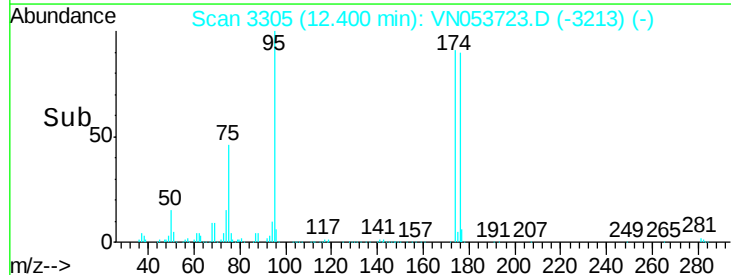
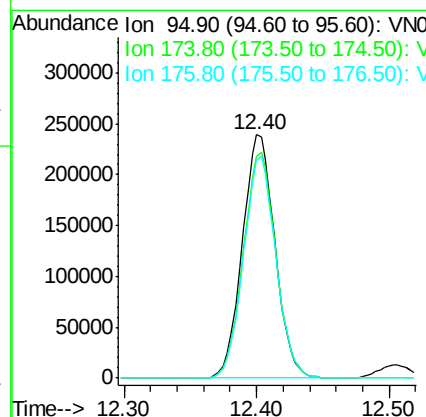
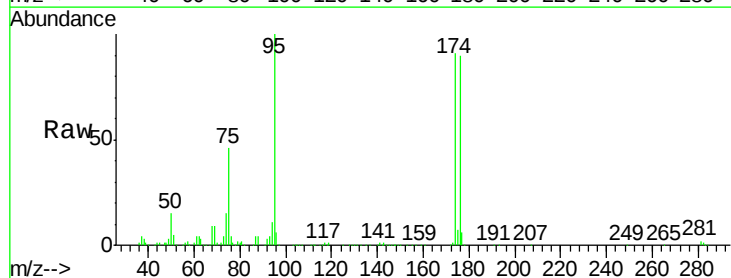
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#62
 4-Bromofluorobenzene
 Concen: 51.070 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Tgt Ion: 95 Resp: 408334
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 183.2
 176 90.2 0.0 177.4





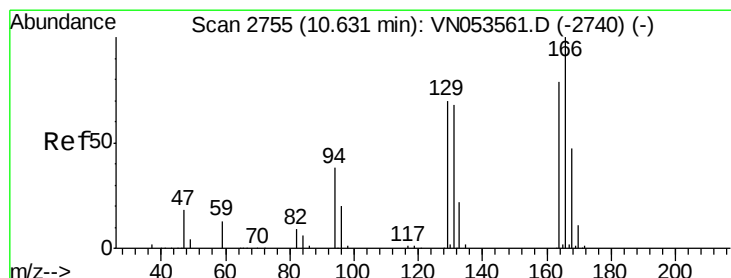
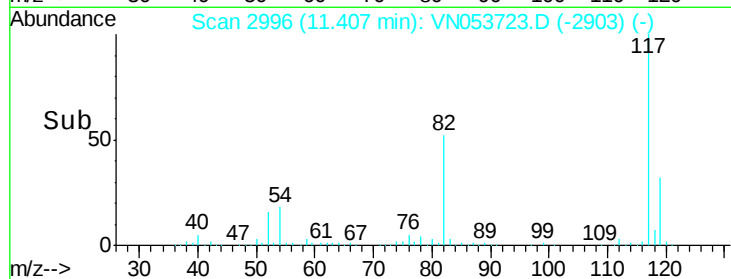
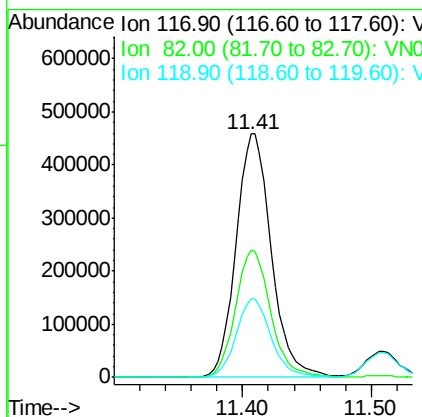
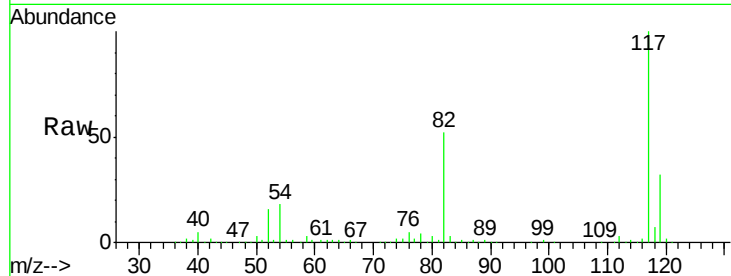
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.9	64.3
119	32.2	26.0	39.0

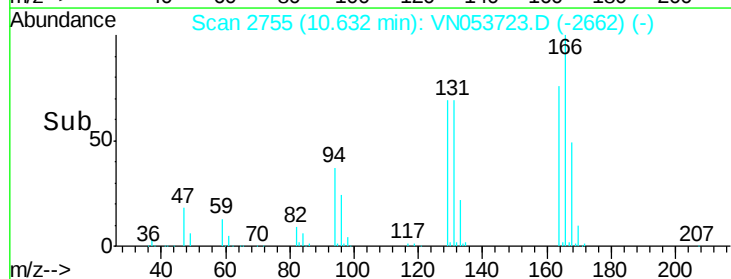
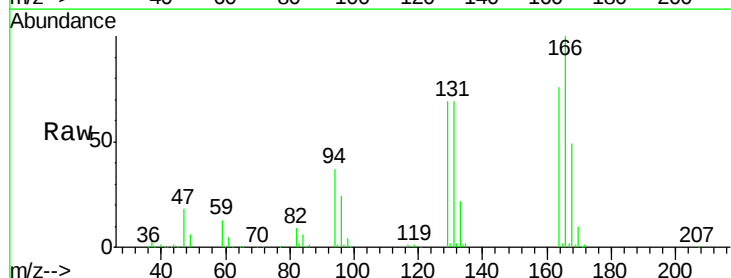
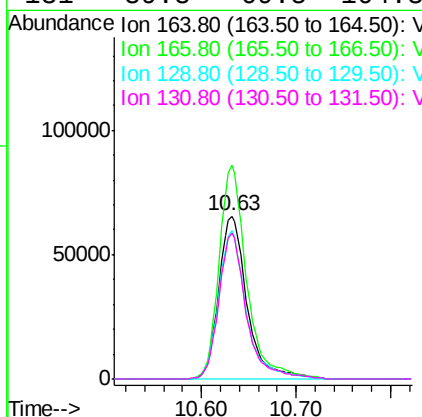
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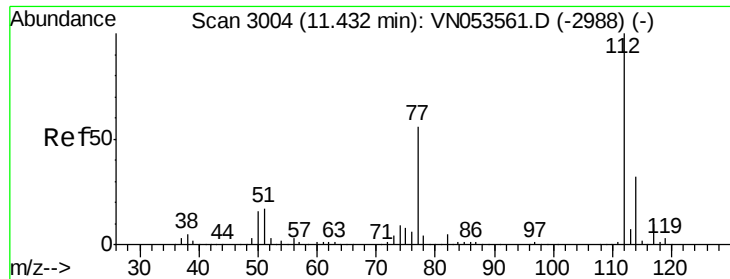
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#64
Tetrachloroethene
Concen: 18.292 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	102.2	153.4
129	90.7	72.6	109.0
131	89.8	69.5	104.3





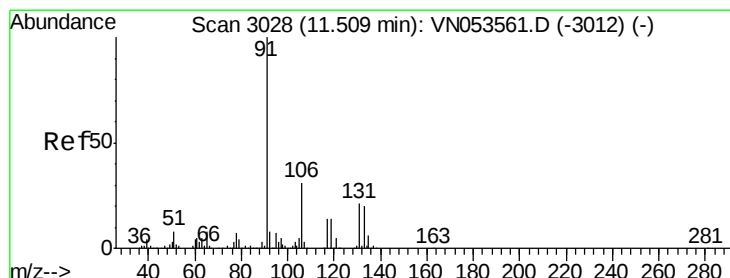
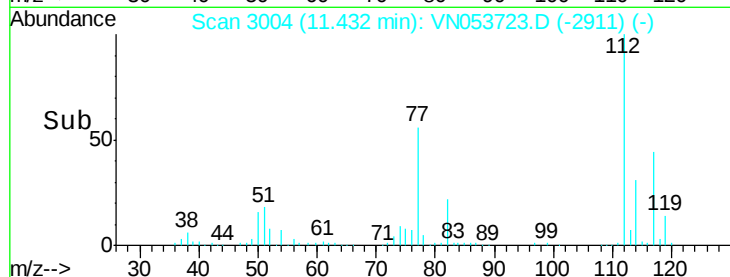
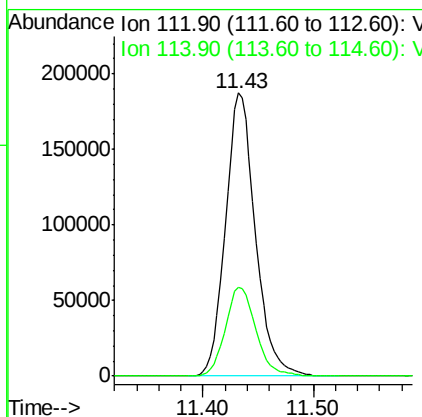
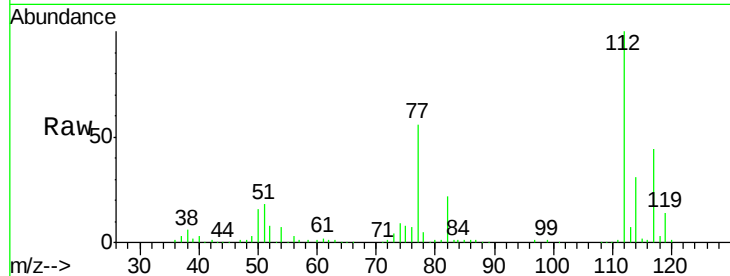
#65
Chlorobenzene
Concen: 18.929 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion:112 Resp: 350681
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9

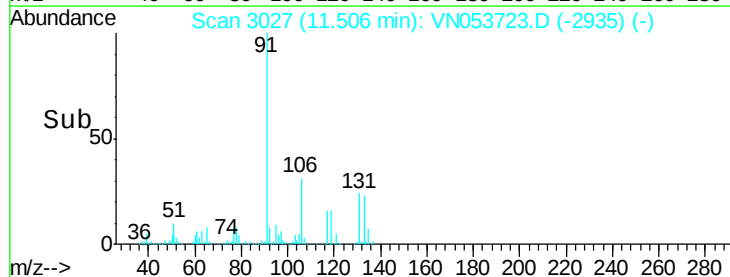
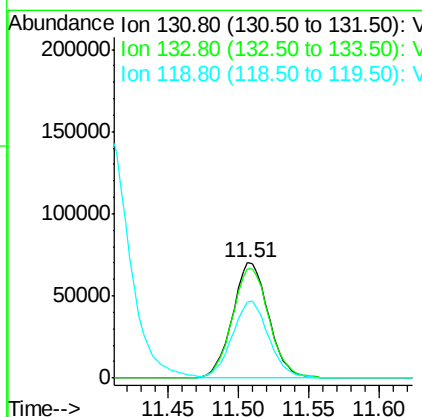
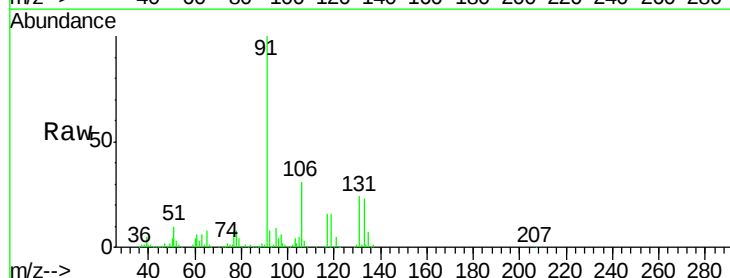
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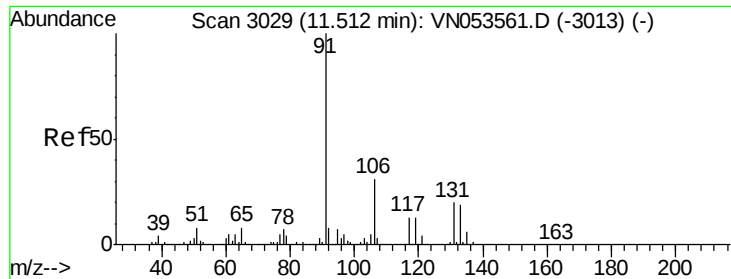
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.477 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion:131 Resp: 126017
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 67.8 33.5 100.5





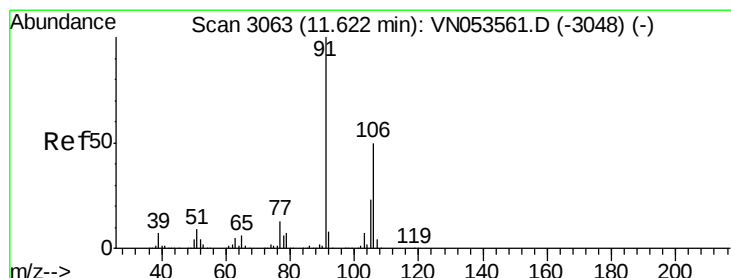
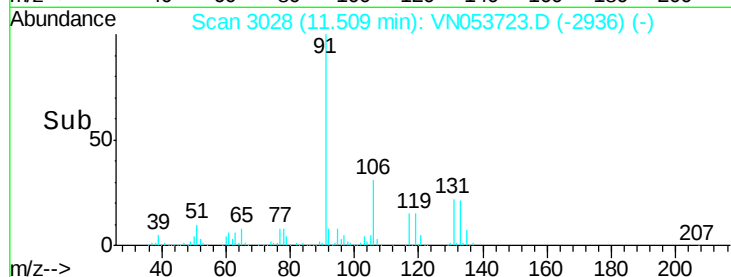
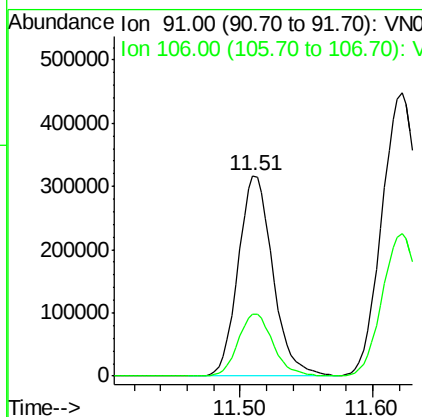
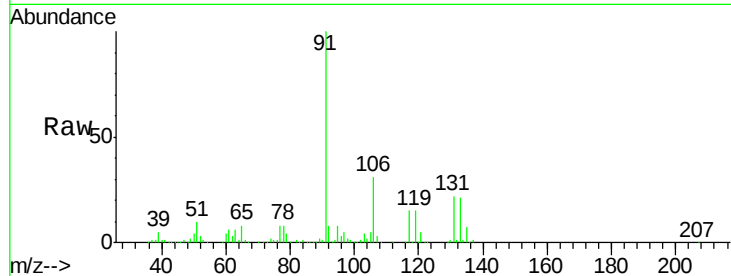
#67
Ethyl Benzene
Concen: 18.905 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion: 91 Resp: 575306
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

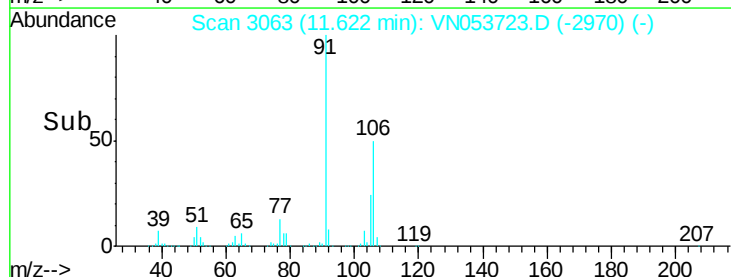
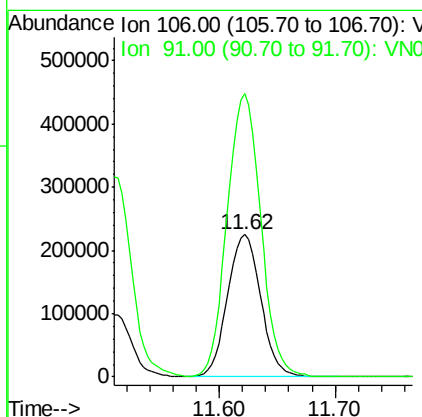
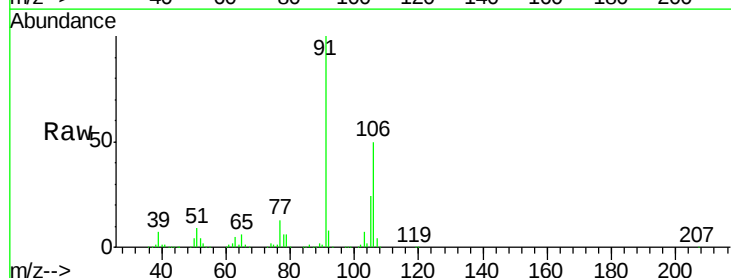
Manual Integrations
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#68
m/p-Xylenes
Concen: 38.597 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion: 106 Resp: 448295
Ion Ratio Lower Upper
106 100
91 200.9 161.4 242.2





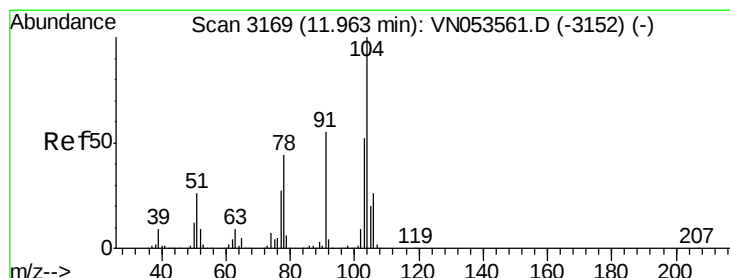
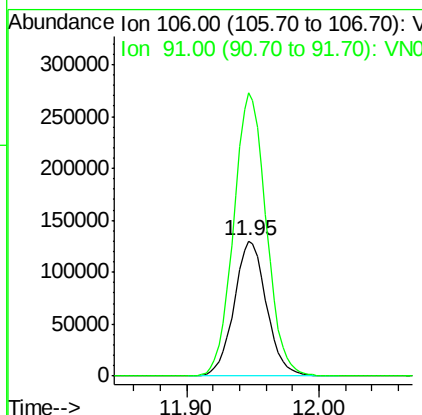
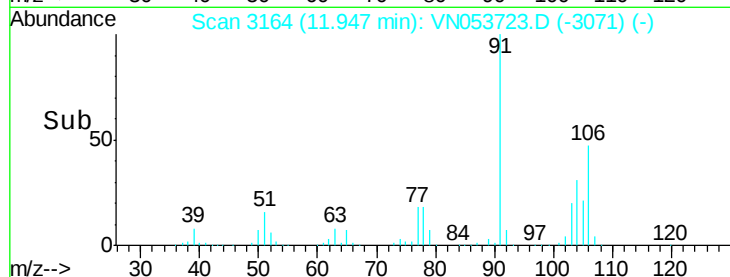
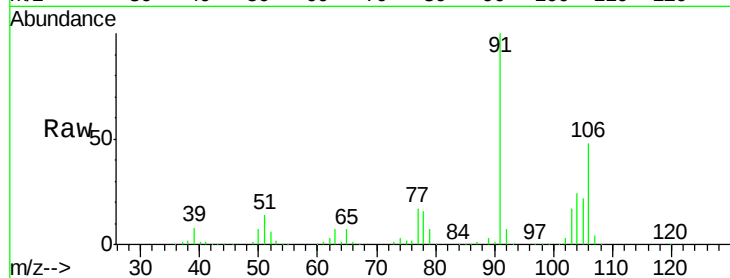
#69
o-Xylene
Concen: 19.630 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion:106 Resp: 220270
Ion Ratio Lower Upper
106 100
91 211.3 106.9 320.8

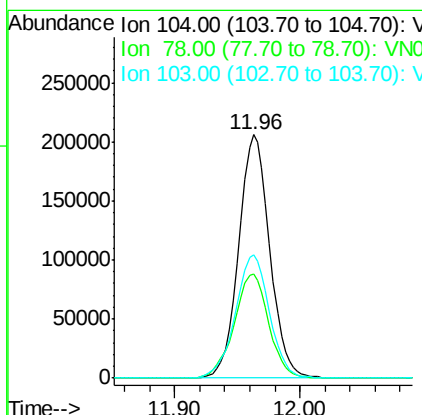
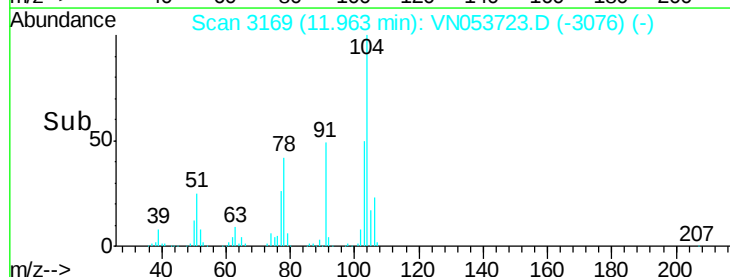
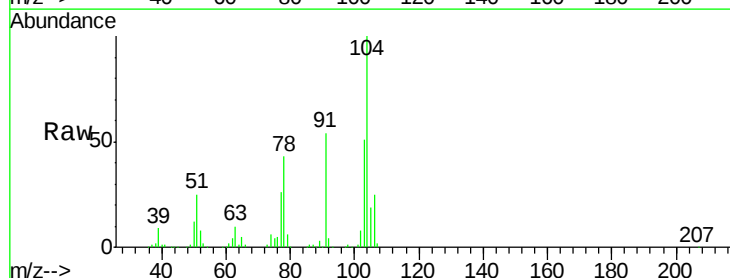
Manual Integrations
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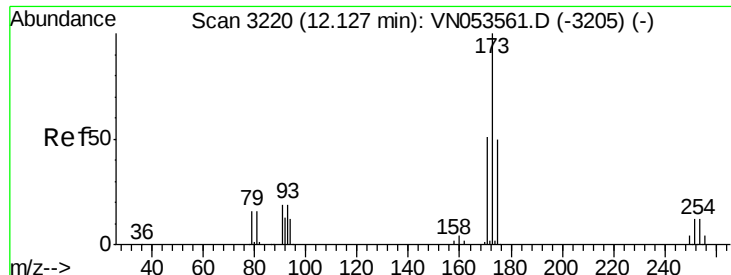
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#70
Styrene
Concen: 19.468 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion:104 Resp: 354073
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.5 44.4 66.6





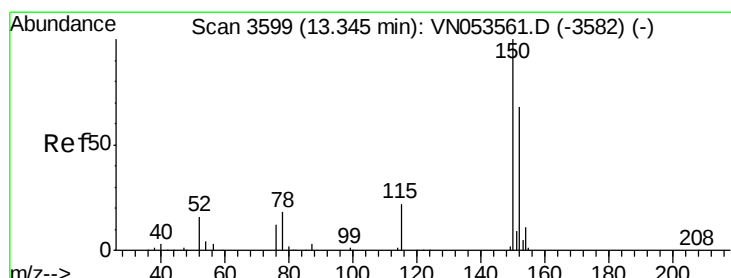
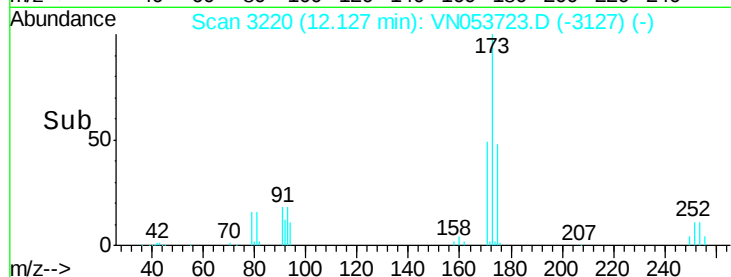
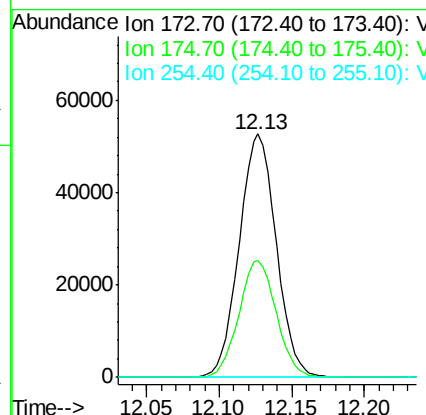
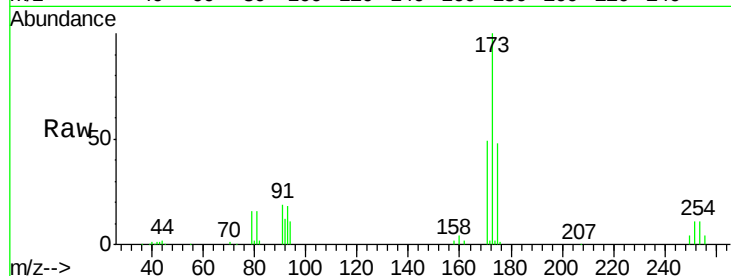
#71
Bromoform
Concen: 21.101 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	74.0
254	0.0	0.2	0.2

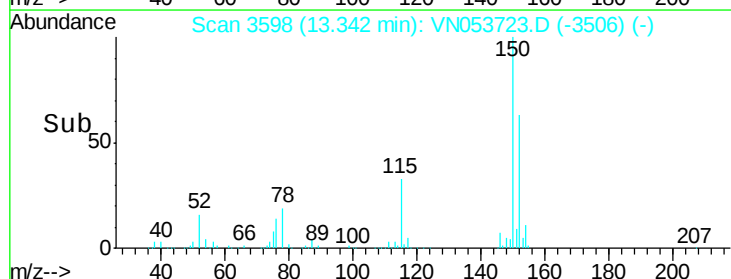
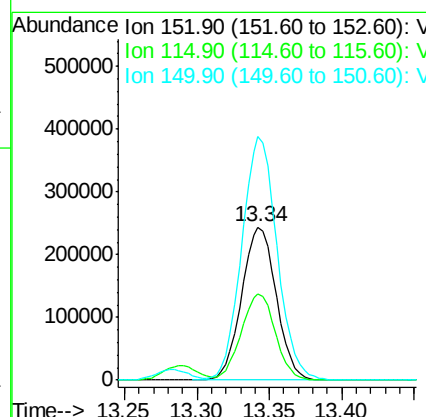
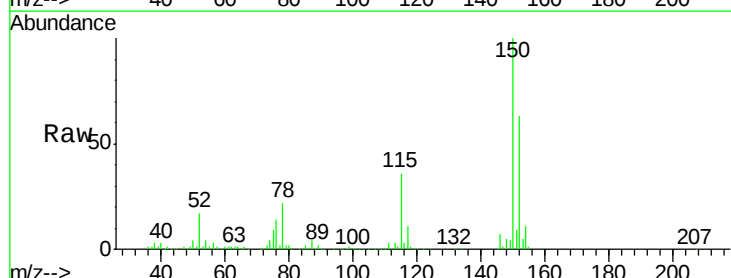
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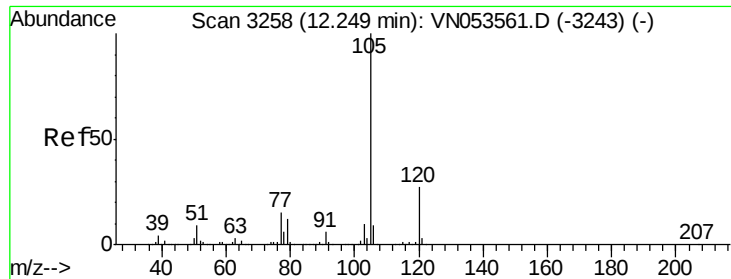
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.8	83.4
150	162.6	0.0	349.0





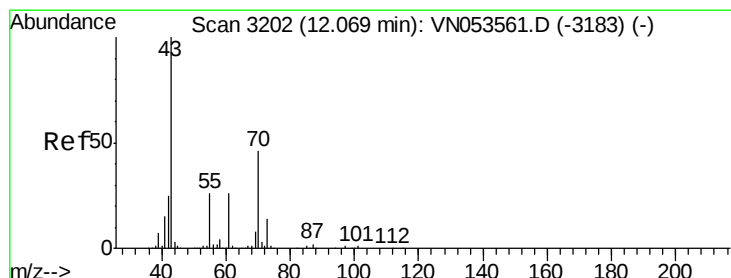
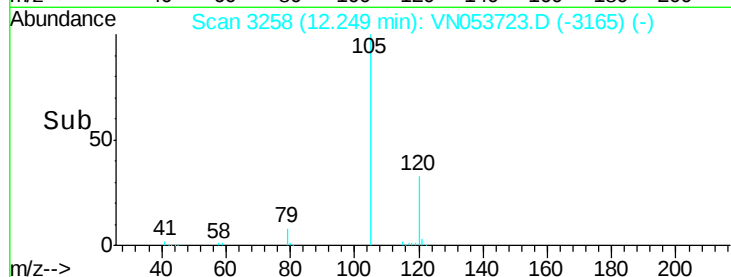
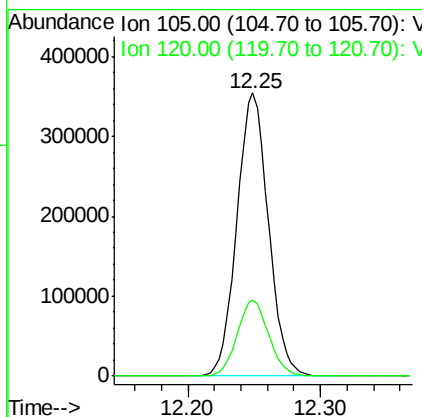
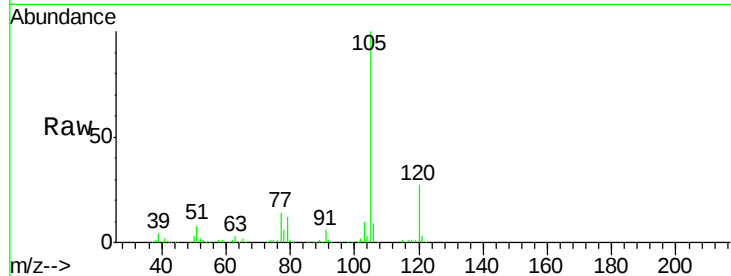
#73
Isopropylbenzene
Concen: 20.578 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.6	40.7

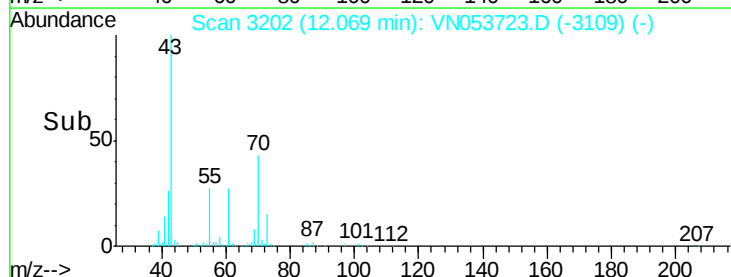
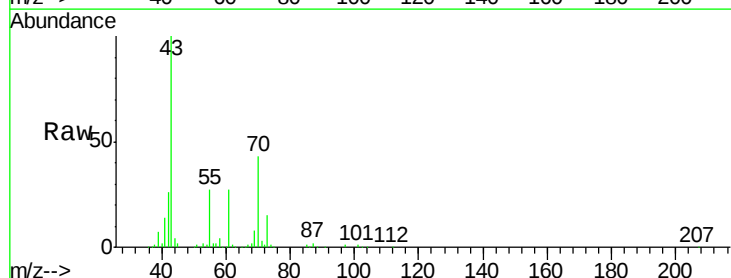
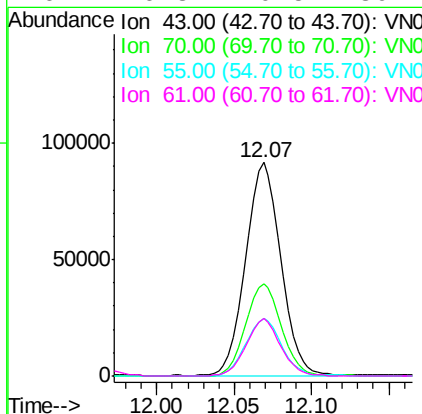
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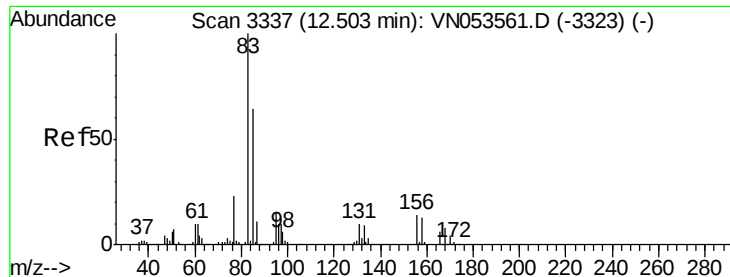
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#74
N-ethyl acetate
Concen: 21.288 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.3	35.4	53.2
55	27.8	20.9	31.3
61	26.3	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.559 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

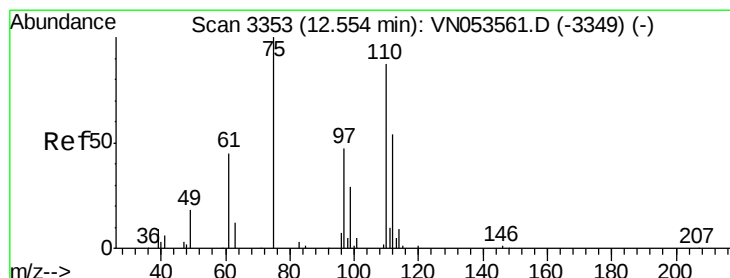
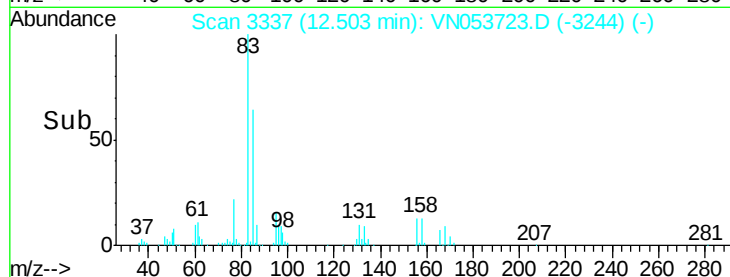
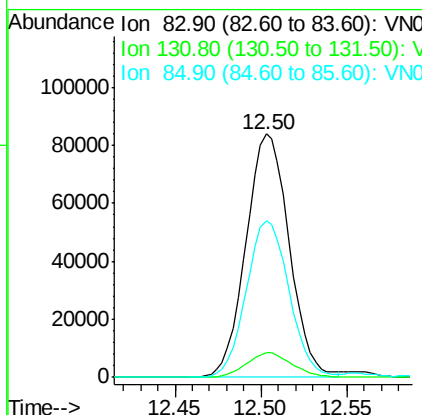
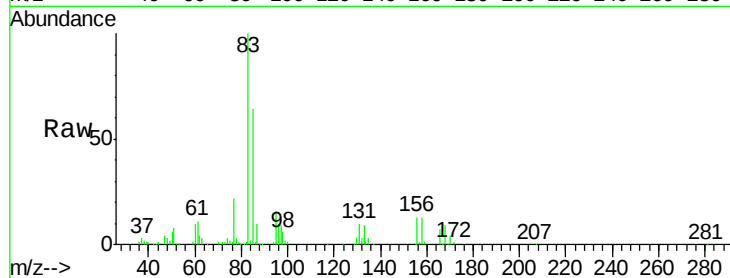
ClientSampleId :

VN0212WBSD01

Tot Ion:	83	Resp:	146235
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	63.7	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 24.572 ug/l m

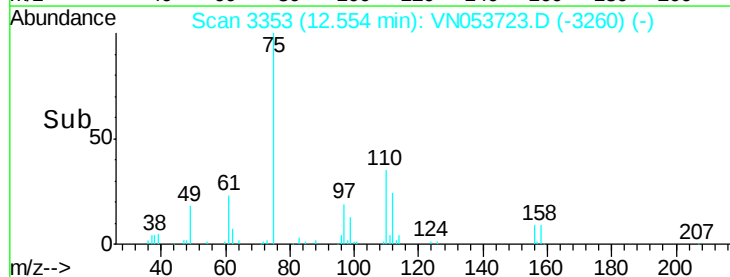
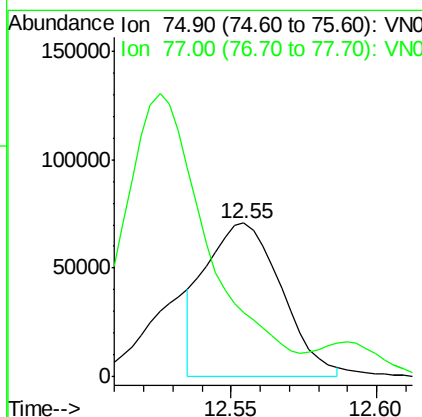
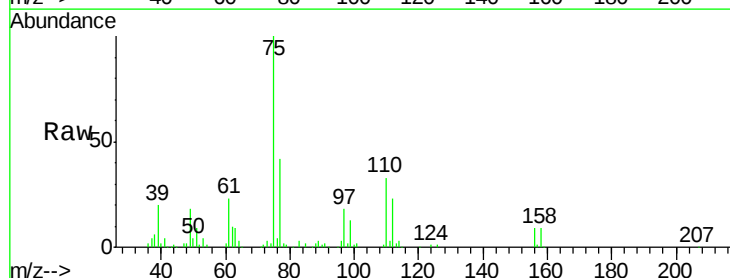
RT: 12.55 min Scan# 3353

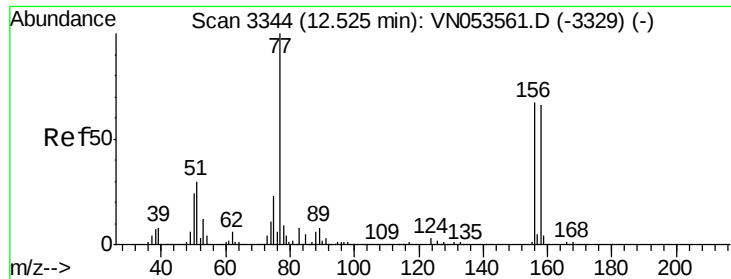
Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion:	75	Resp:	127242
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.751 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

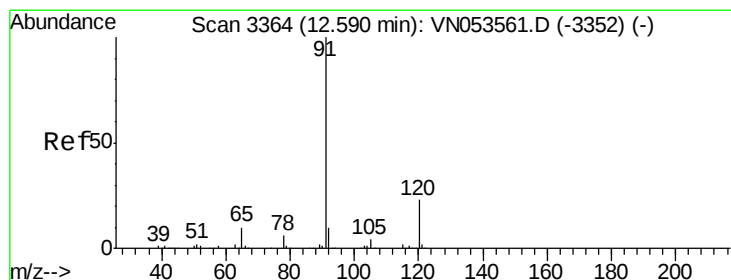
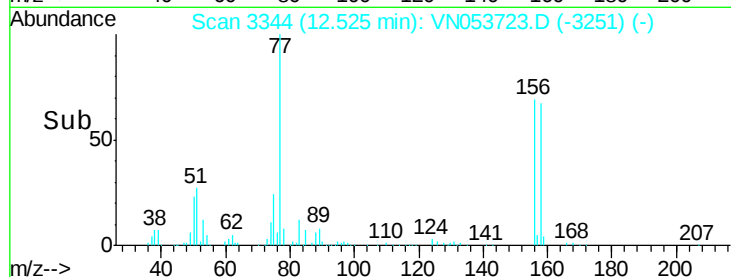
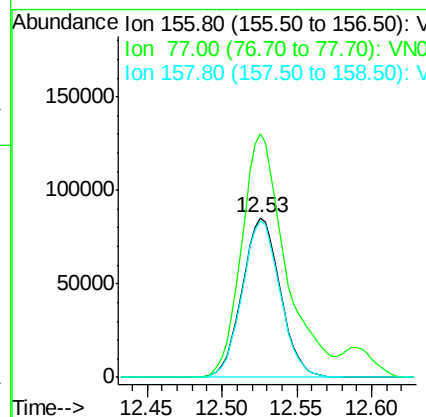
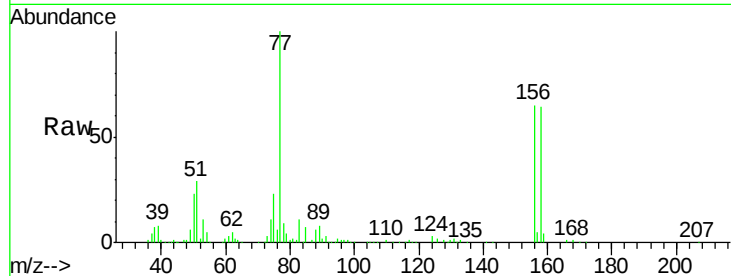
ClientSampleId :

VN0212WBSD01

Tot Ion:	156	Resp:	150865
Ion Ratio	Lower	Upper	
156	100		
77	176.0	87.9	263.8
158	97.6	48.8	146.4

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#78

n-propylbenzene

Concen: 20.131 ug/l

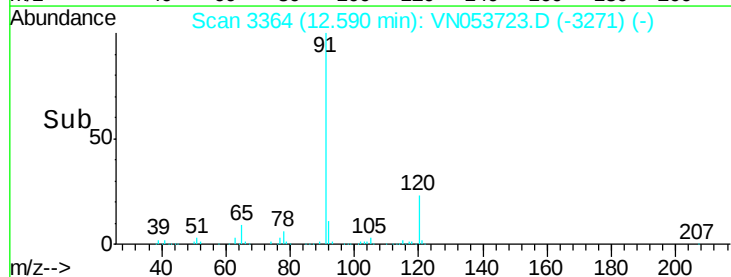
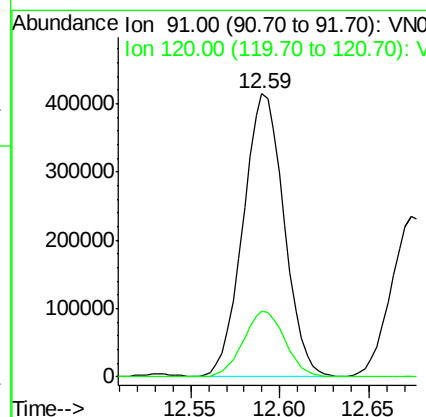
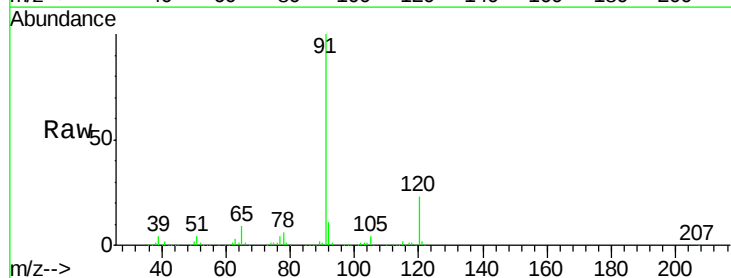
RT: 12.59 min Scan# 3364

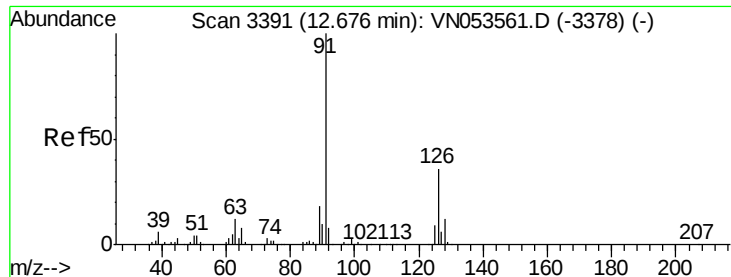
Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion:	91	Resp:	659562
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.304 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0212WBSD01

Tot Ion: 91 Resp: 394671

Ion Ratio Lower Upper

91 100

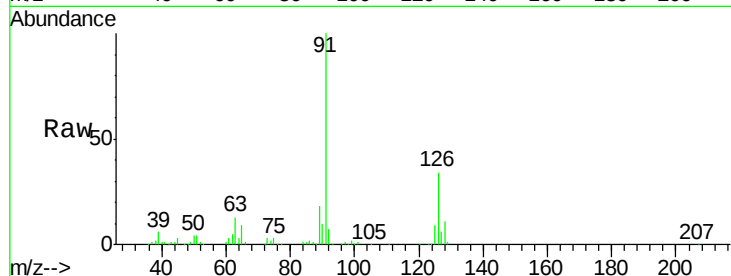
126 35.5 17.9 53.7

Manual Integrations

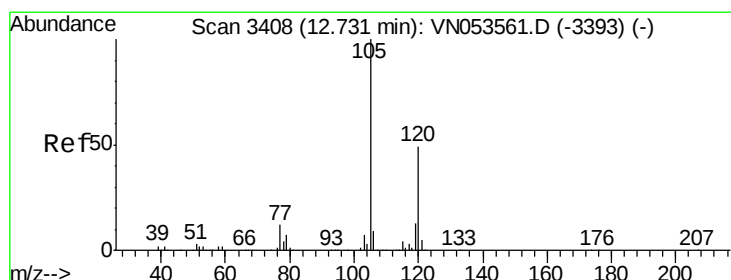
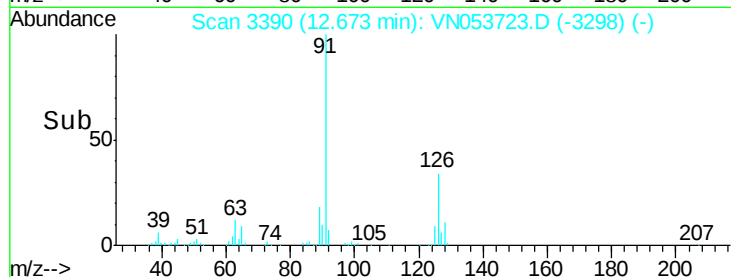
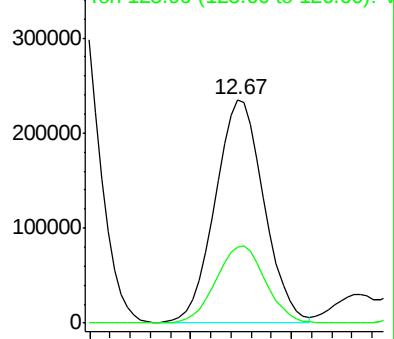
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Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.780 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053723.D

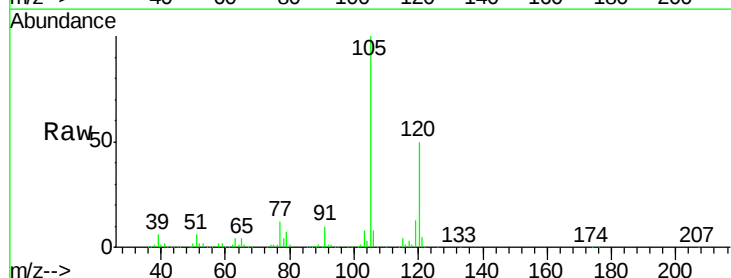
Acq: 12 Feb 2019 11:58

Tgt Ion: 105 Resp: 488379

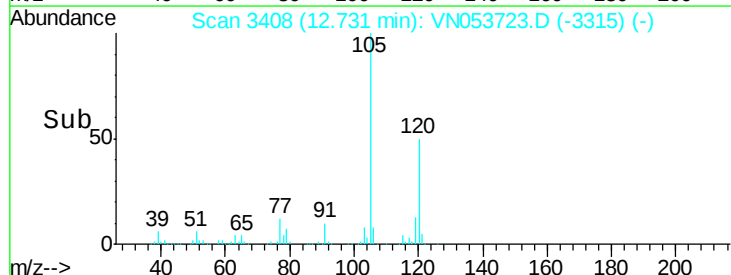
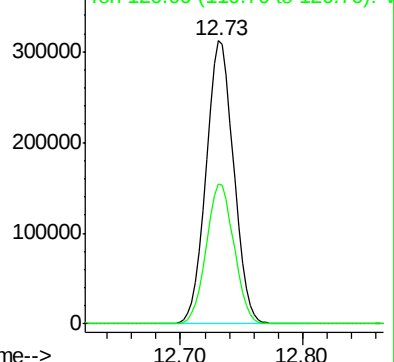
Ion Ratio Lower Upper

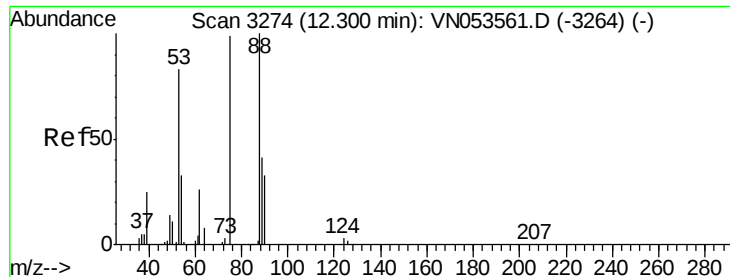
105 100

120 49.7 24.9 74.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 19.922 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBSD01

Tot Ion: 75 Resp: 36688

Ion Ratio Lower Upper

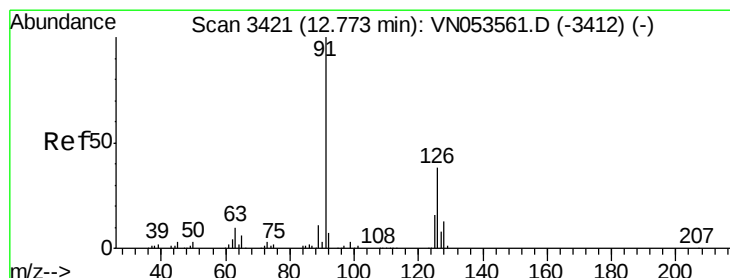
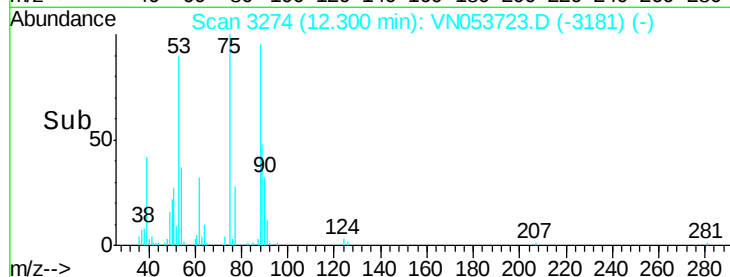
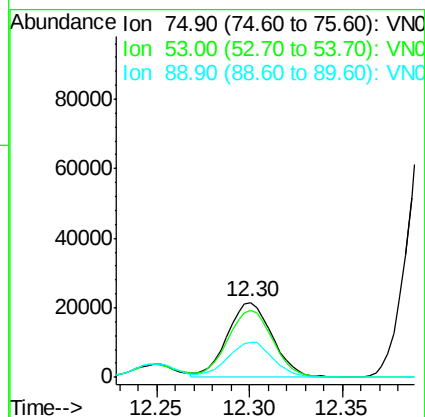
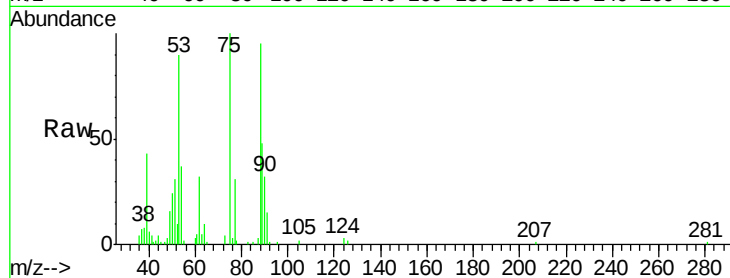
75 100

53 89.7 69.8 104.6

89 46.5 35.6 53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.741 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053723.D

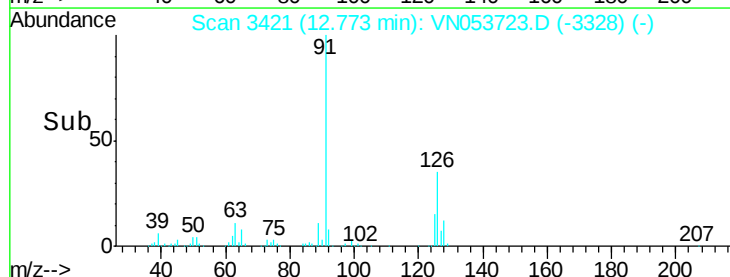
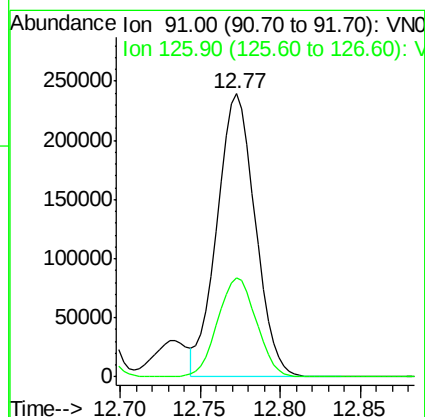
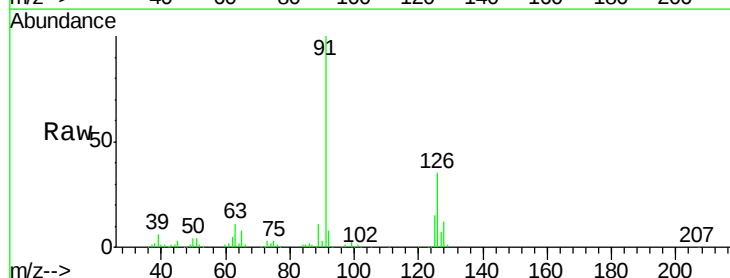
Acq: 12 Feb 2019 11:58

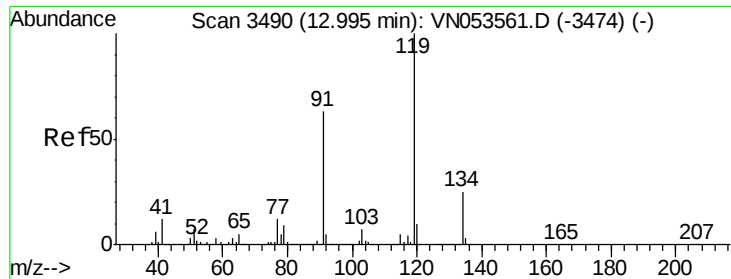
Tgt Ion: 91 Resp: 393748

Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.9





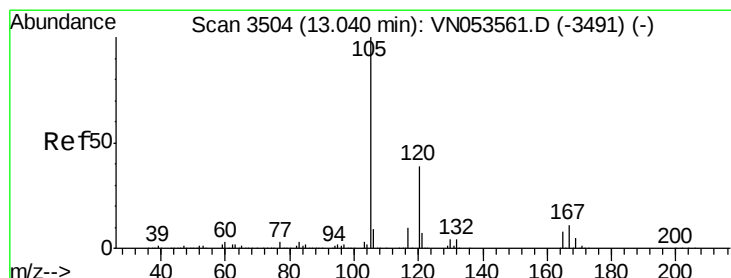
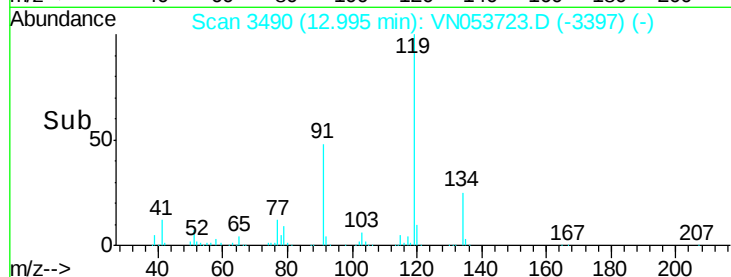
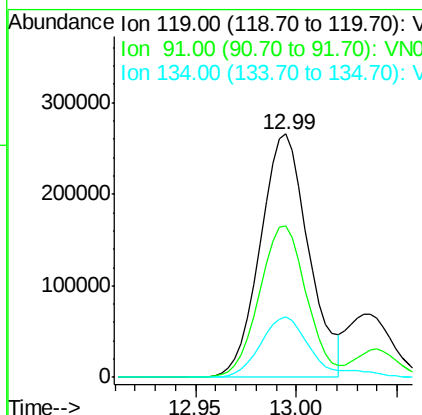
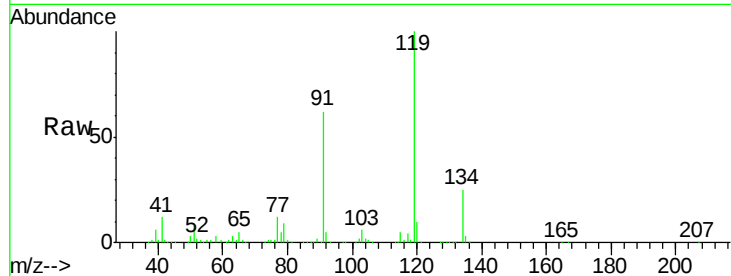
#83
tert-Butylbenzene
Concen: 21.391 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	444330		
91	60.6	31.3	93.8	
134	26.3	12.9	38.7	

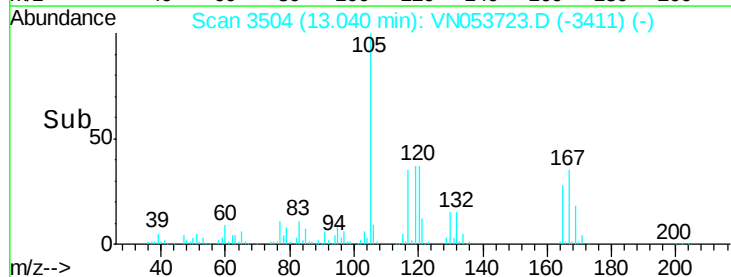
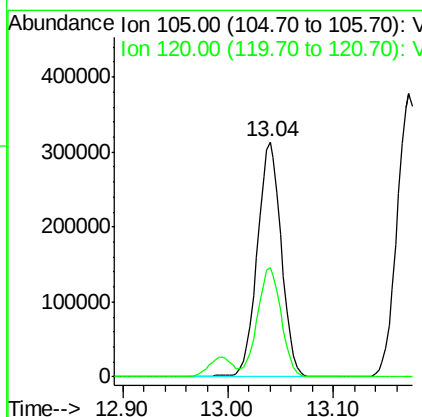
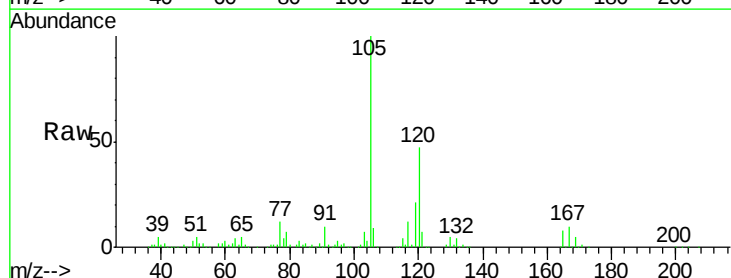
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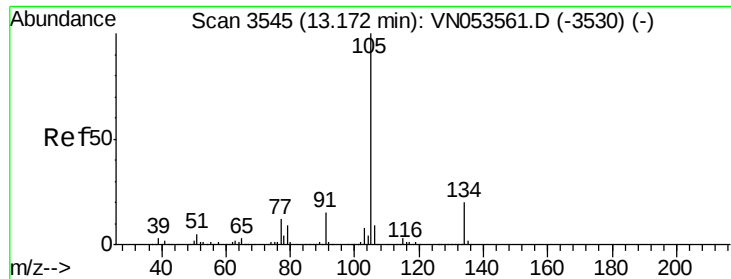
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.782 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	497616		
120	46.2	23.0	69.0	





#85

sec-Butylbenzene

Concen: 20.966 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0212WBSD01

Tot Ion:105 Resp: 592620

Ion Ratio Lower Upper

105 100

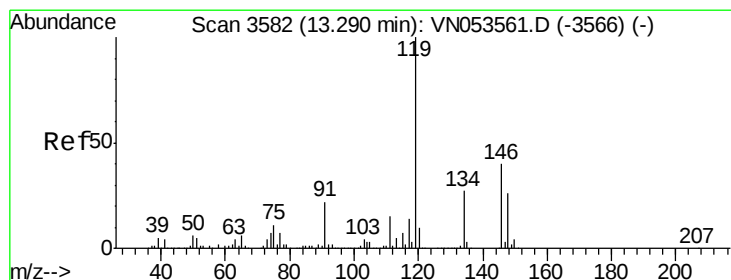
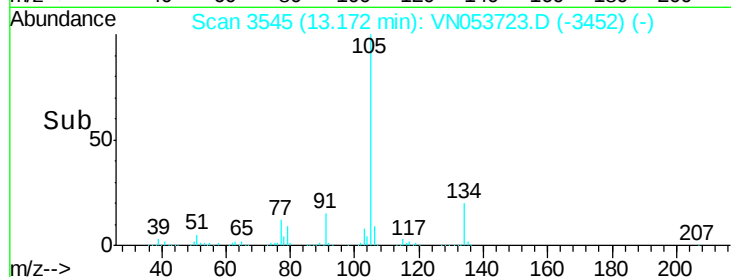
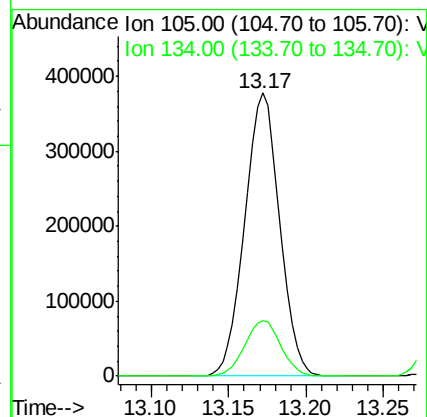
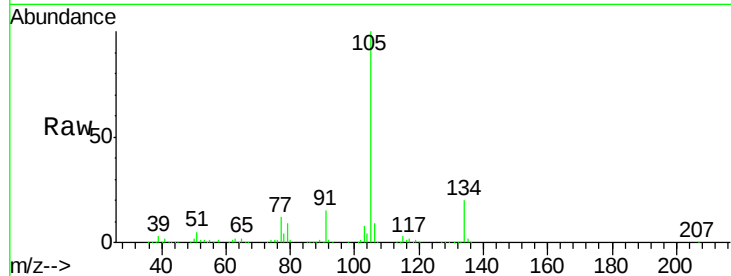
134 20.3 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.512 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

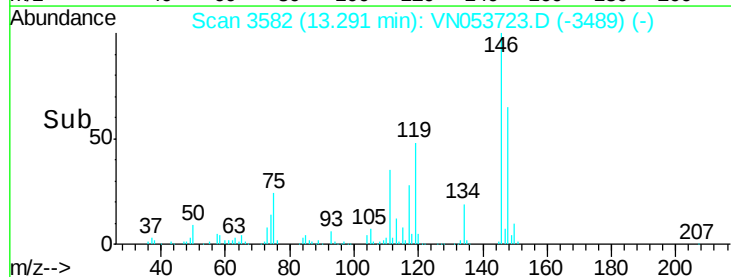
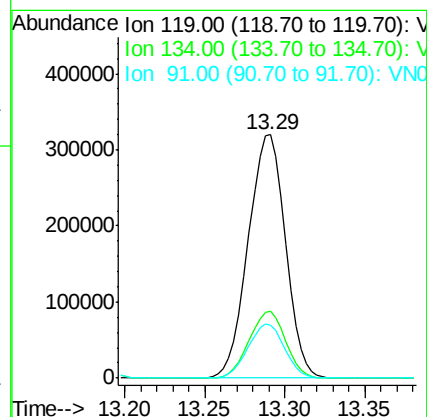
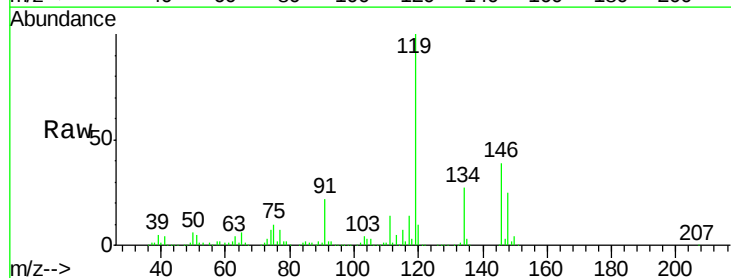
Tgt Ion:119 Resp: 507091

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.7 11.0 33.0





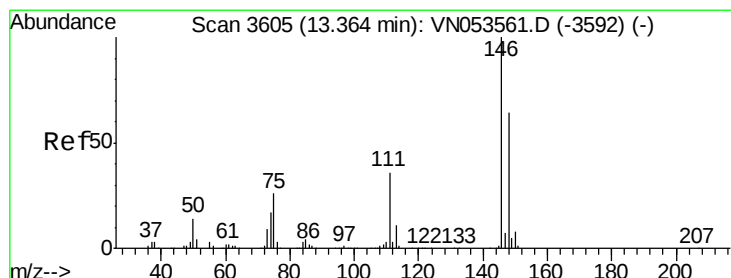
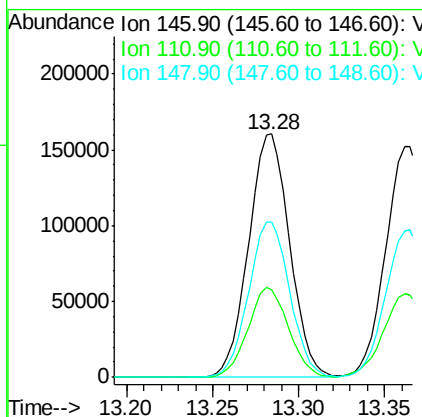
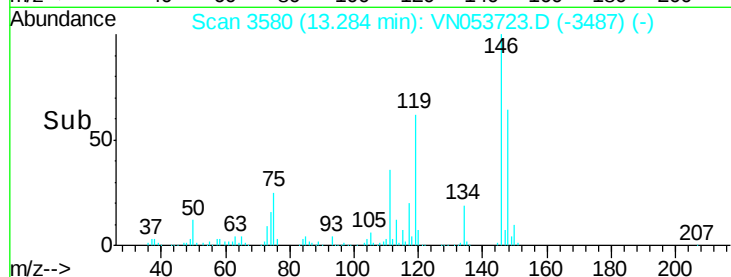
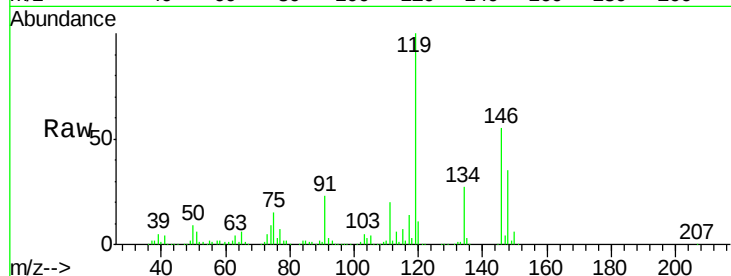
#87
 1,3-Dichlorobenzene
 Concen: 19.322 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	265312		
111	36.6	18.8	56.3	
148	64.0	32.0	96.2	

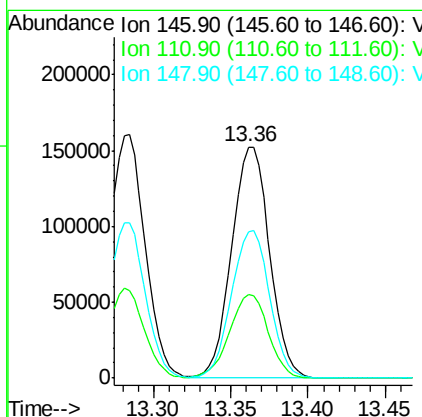
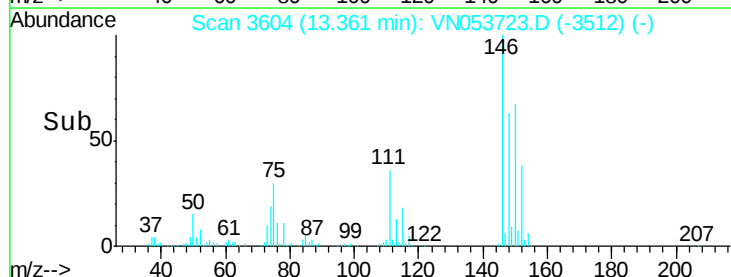
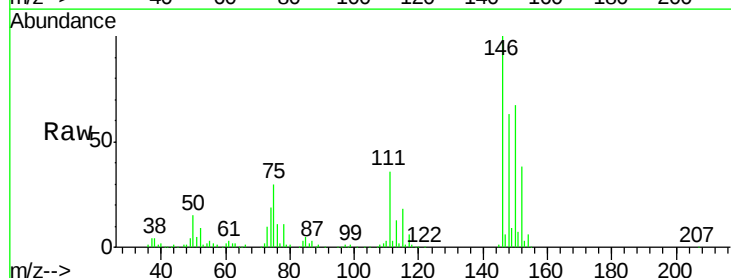
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.146 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053723.D
 Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	260055		
111	37.1	18.6	55.8	
148	64.2	32.4	97.0	





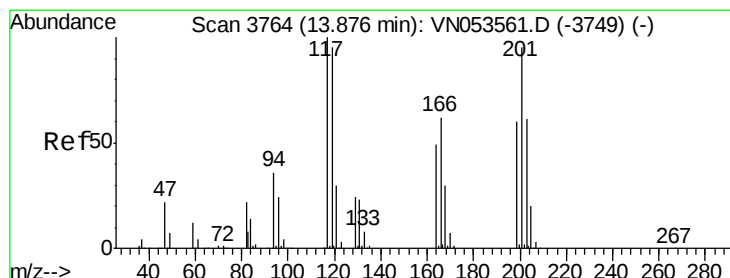
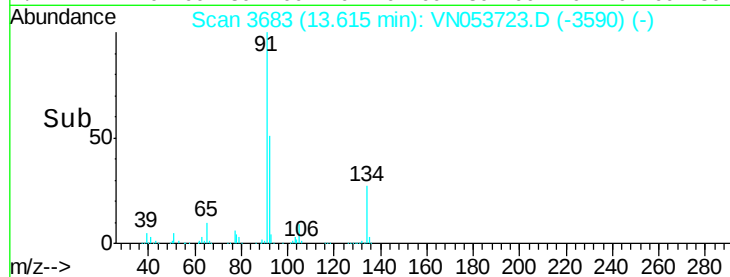
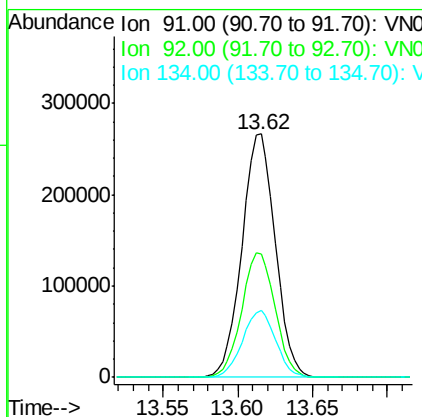
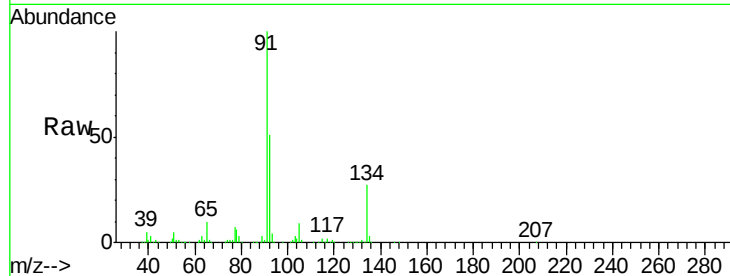
#89
n-Butylbenzene
Concen: 19.310 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Instrument :
MSVOA_N
ClientSampled :
VN0212WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.3	78.8
134	27.3	13.5	40.5

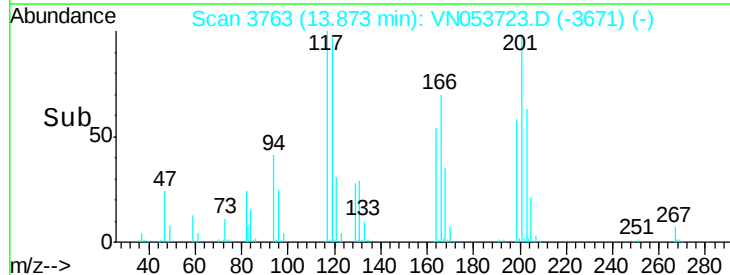
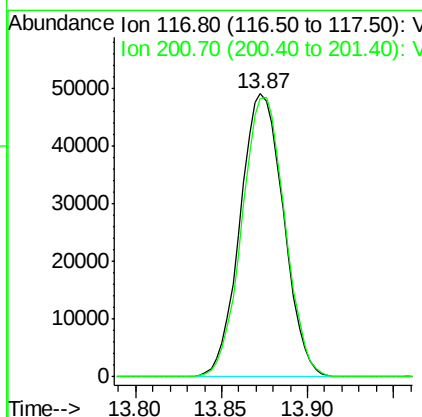
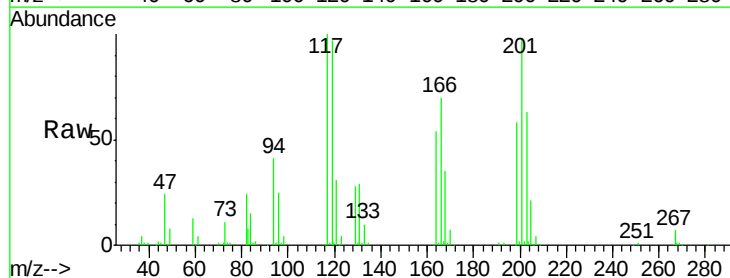
Manual Integrations
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#90
Hexachloroethane
Concen: 21.117 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053723.D
Acq: 12 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.6	46.8	140.4





#91

1,2-Dichlorobenzene

Concen: 19.937 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

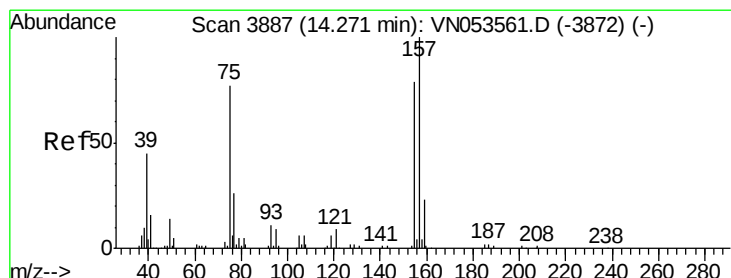
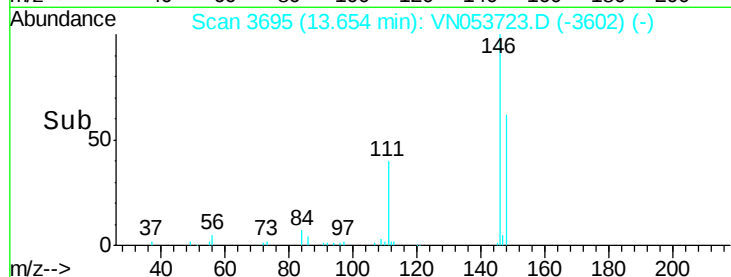
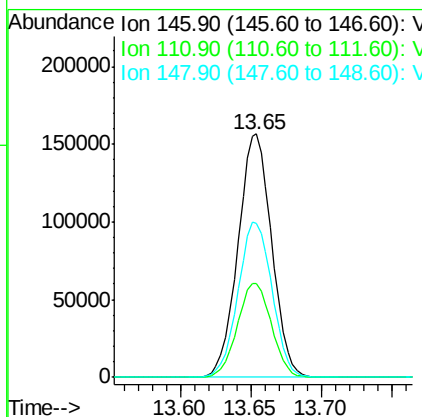
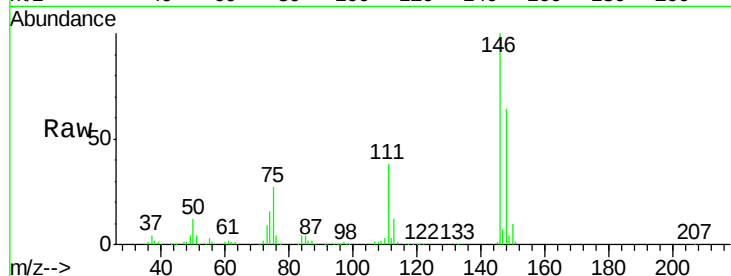
ClientSampleId :

VN0212WBSD01

Tot Ion:	146	Resp:	262074
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.5	58.5
148	64.6	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.060 ug/l

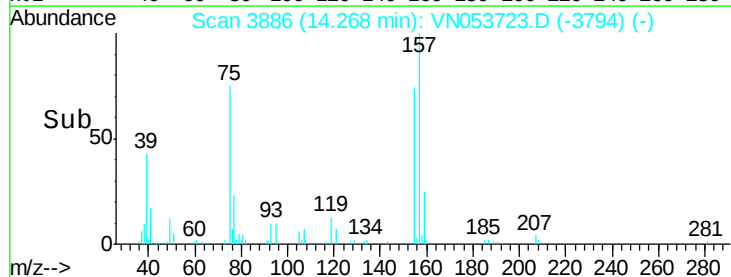
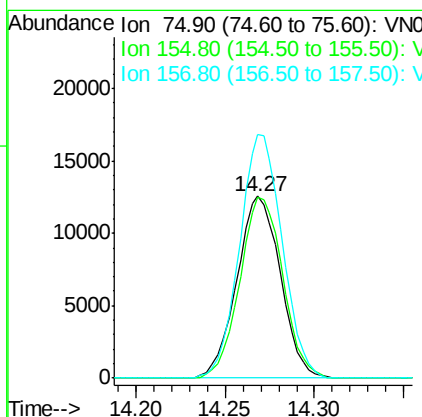
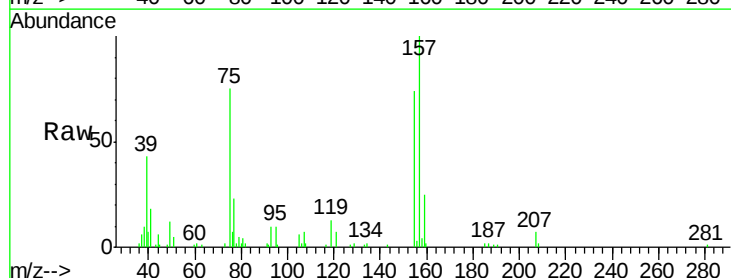
RT: 14.27 min Scan# 3886

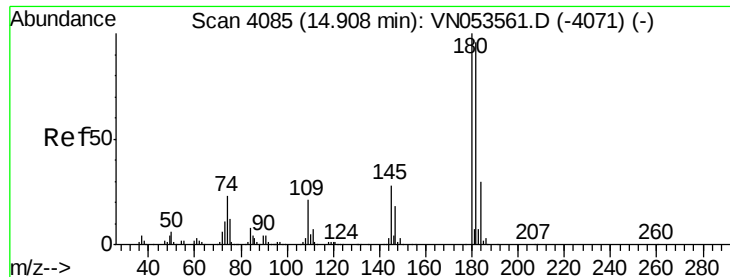
Delta R.T. -0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion:	75	Resp:	21325
Ion Ratio	Lower	Upper	
75	100		
155	98.3	48.9	146.7
157	131.2	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 17.870 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

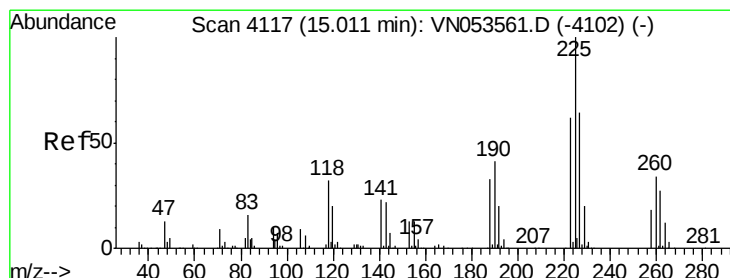
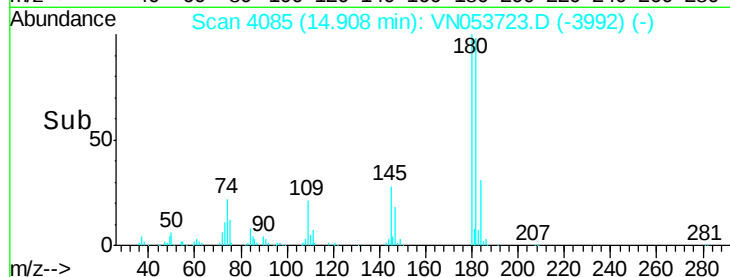
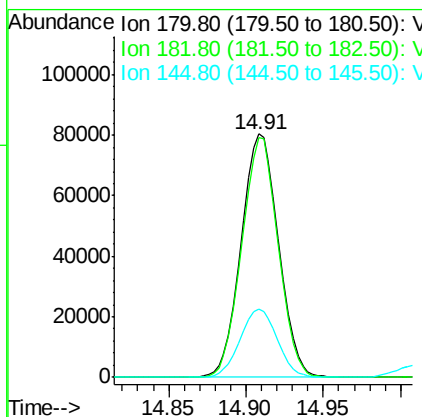
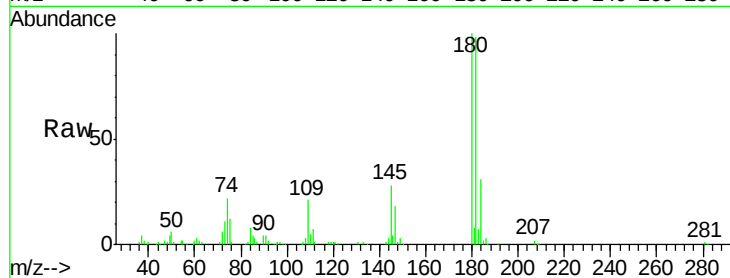
ClientSampled :

VN0212WBSD01

Tot Ion:	180	Resp:	134726
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.1	144.3
145	27.9	13.9	41.6

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 20.197 ug/l

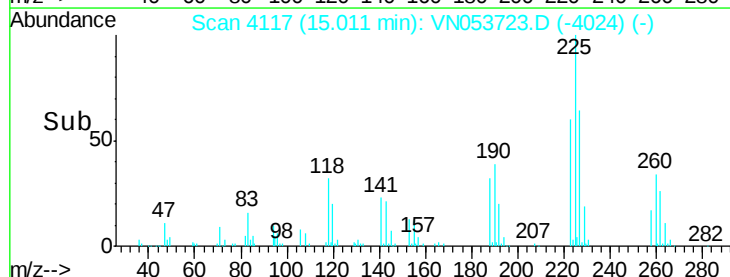
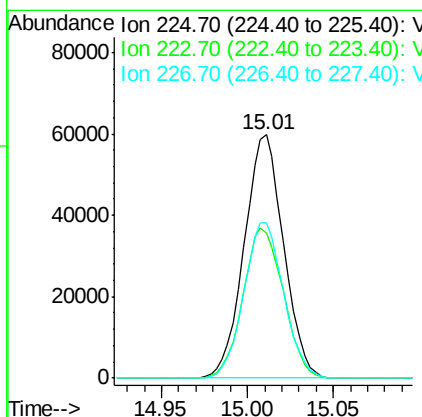
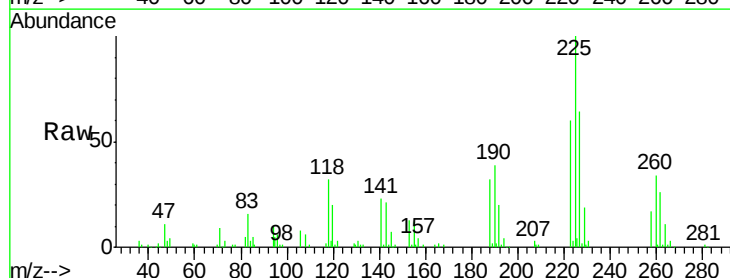
RT: 15.01 min Scan# 4117

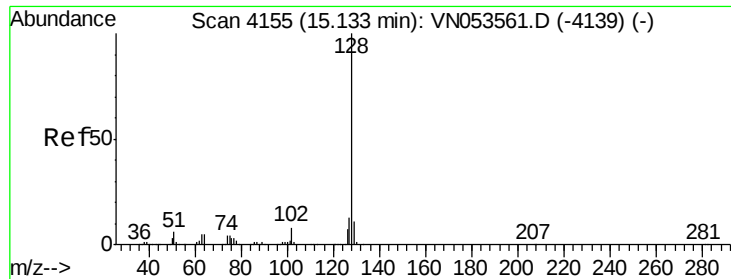
Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion:	225	Resp:	94828
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.1	93.2
227	64.3	32.0	96.2





#95

Naphthalene

Concen: 17.285 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Instrument :

MSVOA_N

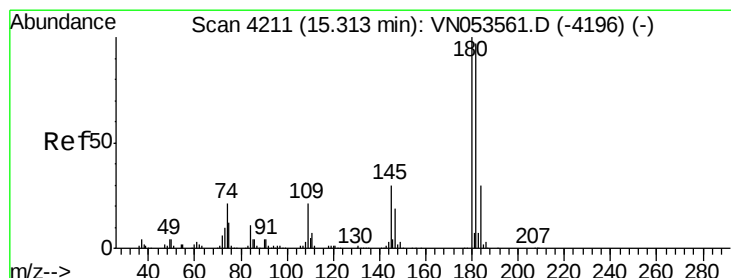
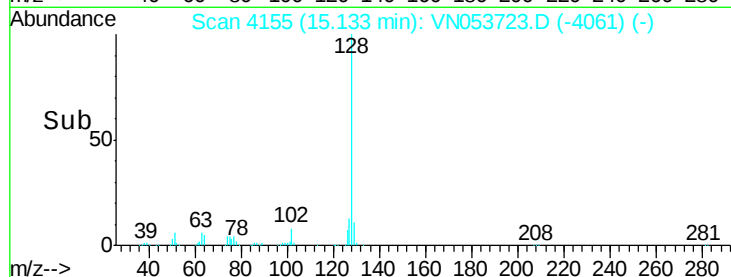
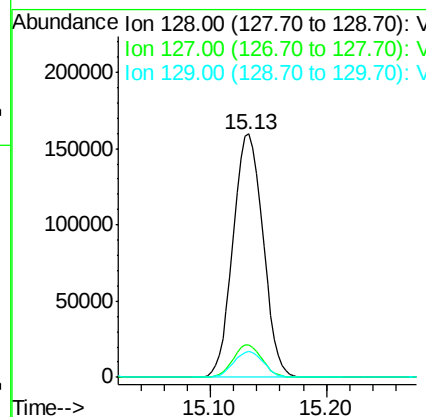
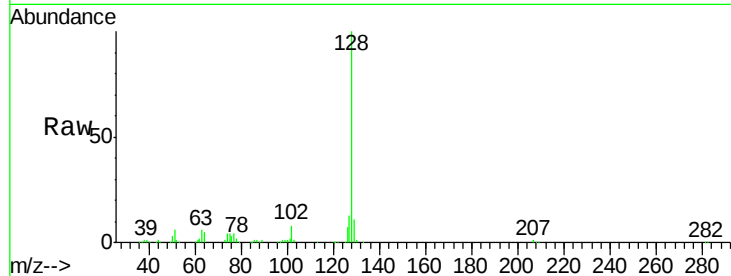
ClientSampleId :

VN0212WBSD01

Tot Ion:	128	Resp:	285279
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/13/2019 12:15:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.151 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053723.D

Acq: 12 Feb 2019 11:58

Tgt Ion:	180	Resp:	133973
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.8
145	29.2	14.7	44.1

