

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
 Data File : VN054926.D
 Acq On : 3 Apr 2019 15:07
 Operator : JC/SP
 Sample : VN0403WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 9:30:54 AM

Quant Time: Apr 04 02:25:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	397903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	667994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	575878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	238134	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	277666	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	7.59	113	226803	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
50) Toluene-d8	10.09	98	828961	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	272803	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	75898	18.858	ug/l	98
3) Chloromethane	2.06	50	109222	19.626	ug/l	100
4) Vinyl Chloride	2.19	62	99768	19.964	ug/l	99
5) Bromomethane	2.58	94	56056	20.048	ug/l	97
6) Chloroethane	2.71	64	57225	20.506	ug/l	100
7) Trichlorofluoromethane	3.02	101	128508	20.916	ug/l	96
8) Diethyl Ether	3.41	74	42531	21.498	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67454	20.855	ug/l	91
10) Methyl Iodide	3.94	142	91137	20.583	ug/l #	88
11) Tert butyl alcohol	4.82	59	29807	106.657	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	66300	21.197	ug/l #	79
13) Acrolein	3.61	56	22938	91.812	ug/l	99
14) Allyl chloride	4.32	41	154866	20.102	ug/l #	92
15) Acrylonitrile	5.00	53	169820	109.324	ug/l	100
16) Acetone	3.82	43	121367	94.886	ug/l #	83
17) Carbon Disulfide	4.04	76	182742	18.014	ug/l	98
18) Methyl Acetate	4.33	43	81002	23.832	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	238184	21.770	ug/l	98
20) Methylene Chloride	4.55	84	93610	20.748	ug/l #	79
21) trans-1,2-Dichloroethene	5.04	96	83585	20.346	ug/l #	79
22) Diisopropyl ether	5.96	45	332268	21.806	ug/l #	95
23) Vinyl Acetate	5.90	43	1154673	108.893	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	174475	21.465	ug/l	98
25) 2-Butanone	6.85	43	203131	107.435	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	112506	19.748	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	100006	21.548	ug/l	88
28) Bromochloromethane	7.19	49	85371	21.005	ug/l #	71
29) Tetrahydrofuran	7.22	42	139448	106.189	ug/l #	84
30) Chloroform	7.37	83	172249	22.224	ug/l	98
31) Cyclohexane	7.65	56	158365	20.153	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	138345	21.539	ug/l	95
36) 1,1-Dichloropropene	7.79	75	120852	19.416	ug/l	96
37) Ethyl Acetate	6.94	43	95261	20.870	ug/l	96
38) Carbon Tetrachloride	7.77	117	118434	19.590	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	132177	19.315	ug/l #	88
40) Benzene	8.04	78	368892	20.712	ug/l	98
41) Methacrylonitrile	7.18	41	57648	22.482	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	132579	20.848	ug/l	99
43) Isopropyl Acetate	8.17	43	160295	21.613	ug/l #	94
44) Trichloroethene	8.83	130	93991	20.330	ug/l	94
45) 1,2-Dichloropropane	9.12	63	108999	21.463	ug/l	97
46) Dibromomethane	9.21	93	59764	20.920	ug/l	89
47) Bromodichloromethane	9.40	83	124690	21.001	ug/l	100
48) Methyl methacrylate	9.20	41	81001	20.147	ug/l	89
49) 1,4-Dioxane	9.20	88	17371	435.457	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	452746	108.576	ug/l	94
52) Toluene	10.16	92	220727	20.827	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	114533	20.507	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	141942	21.275	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	82709	20.988	ug/l	96
56) Ethyl methacrylate	10.43	69	109001	21.086	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	149474	22.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	215241	103.012	ug/l	91
59) 2-Hexanone	10.75	43	280456	105.064	ug/l	89
60) Dibromochloromethane	10.90	129	86729	21.727	ug/l	98
61) 1,2-Dibromoethane	11.00	107	78797	20.924	ug/l	100
64) Tetrachloroethene	10.63	164	88884	20.114	ug/l	96
65) Chlorobenzene	11.43	112	231093	20.496	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	89419	21.188	ug/l	98
67) Ethyl Benzene	11.51	91	414581	20.376	ug/l	98
68) m/p-Xylenes	11.62	106	306551	40.713	ug/l	94
69) o-Xylene	11.95	106	150865	20.433	ug/l	94
70) Styrene	11.96	104	246732	20.900	ug/l	97
71) Bromoform	12.12	173	50050	20.244	ug/l #	99
73) Isopropylbenzene	12.25	105	402409	20.674	ug/l	97
74) N-amyl acetate	12.07	43	124006	20.450	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	102720	23.015	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	89599m	21.658	ug/l	
77) Bromobenzene	12.53	156	98817	21.036	ug/l	86
78) n-propylbenzene	12.59	91	443066	20.711	ug/l	95
79) 2-Chlorotoluene	12.67	91	276256	20.873	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	333359	20.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20750	19.510	ug/l	88
82) 4-Chlorotoluene	12.77	91	260932	20.298	ug/l	96
83) tert-Butylbenzene	12.99	119	287681	22.083	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	326886	21.484	ug/l	96
85) sec-Butylbenzene	13.17	105	363090	20.928	ug/l	96
86) p-Isopropyltoluene	13.29	119	315019	20.587	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	160683	20.430	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	151874	19.688	ug/l	97
89) n-Butylbenzene	13.62	91	236659	18.956	ug/l	97
90) Hexachloroethane	13.87	117	52019	20.022	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	162972	20.532	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13948	20.962	ug/l	84

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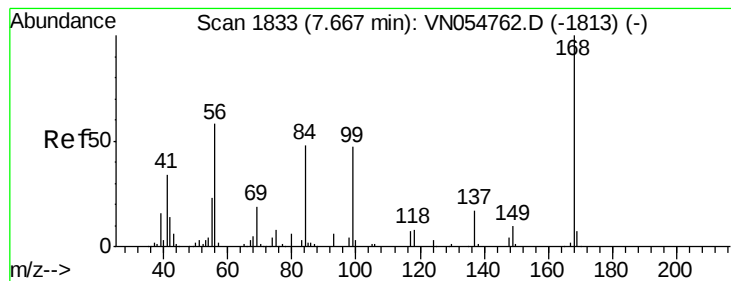
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67927	17.751	ug/l	98
94) Hexachlorobutadiene	15.01	225	49599	20.651	ug/l	99
95) Naphthalene	15.13	128	149741	17.447	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	71740	18.563	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0403WBSD01

Tot Ion:168 Resp: 397903

Ion Ratio Lower Upper

168 100

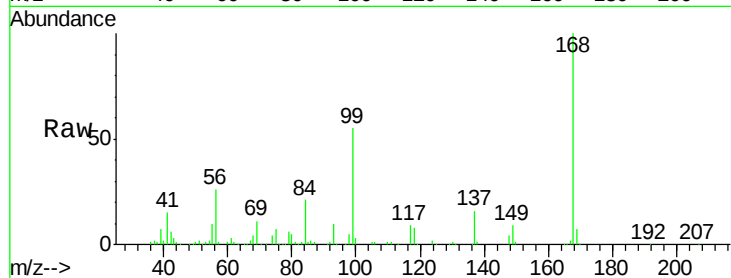
99 54.9 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

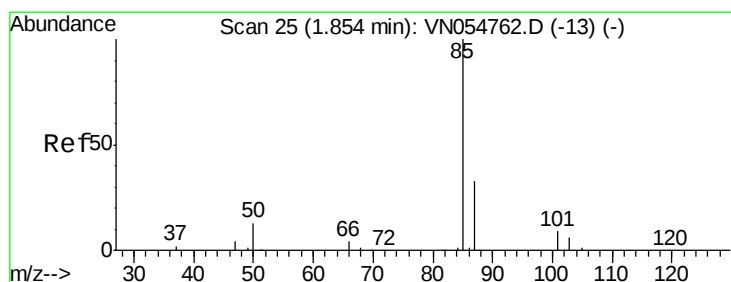
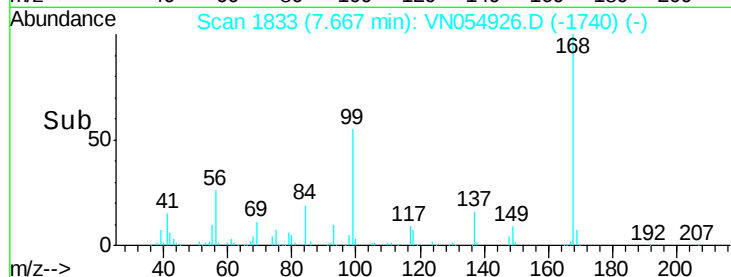
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.858 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054926.D

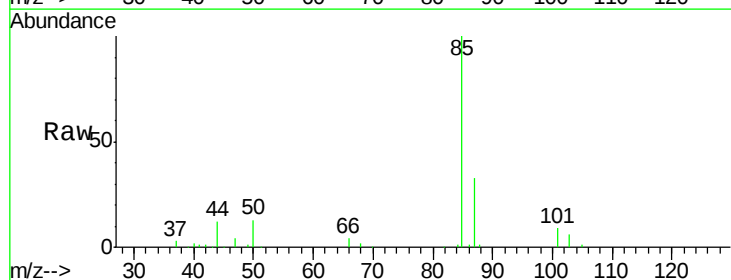
Acq: 3 Apr 2019 15:07

Tgt Ion: 85 Resp: 75898

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

30000

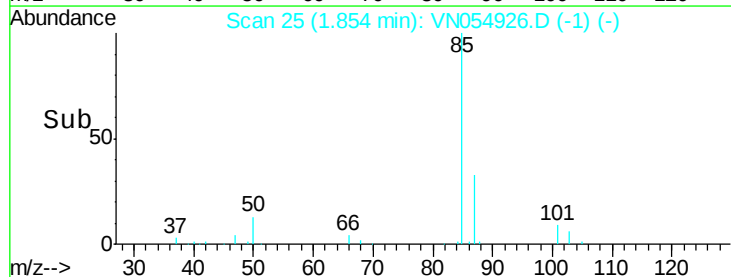
20000

10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.626 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0403WBSD01

Tot Ion: 50 Resp: 109222

Ion Ratio Lower Upper

50 100

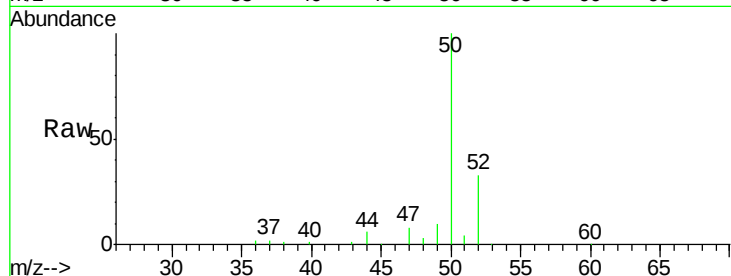
52 33.2 26.4 39.6

Manual Integrations

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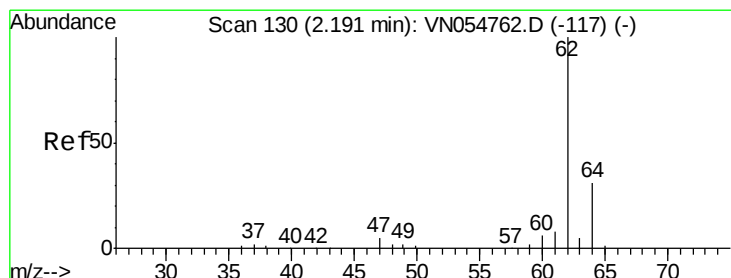
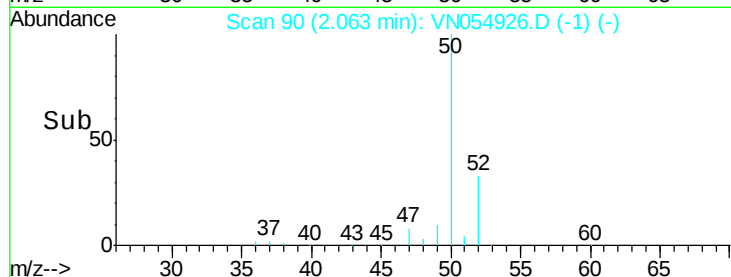
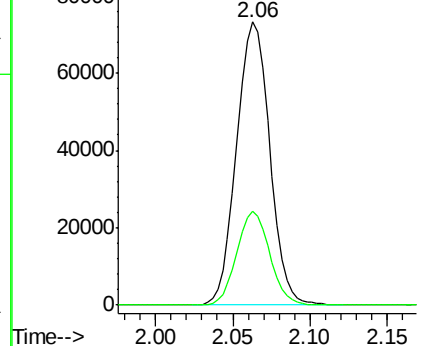
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.964 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054926.D

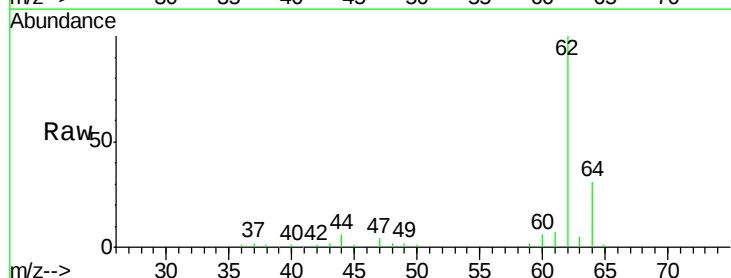
Acq: 3 Apr 2019 15:07

Tgt Ion: 62 Resp: 99768

Ion Ratio Lower Upper

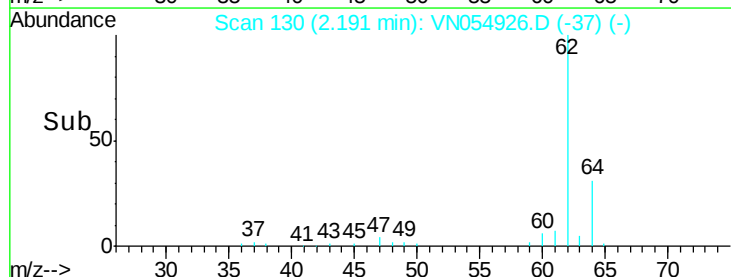
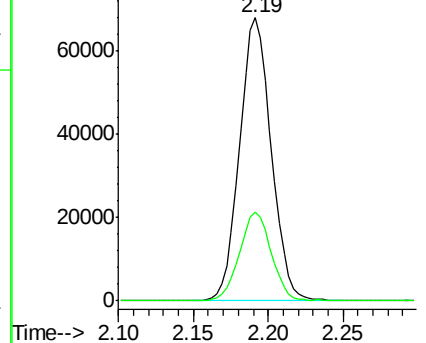
62 100

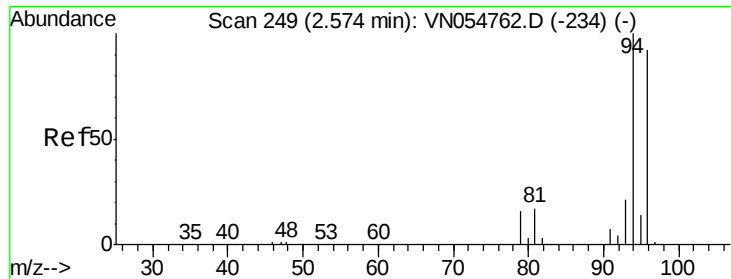
64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.048 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

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VN0403WBSD01

Tot Ion: 94 Resp: 56056

Ion Ratio Lower Upper

94 100

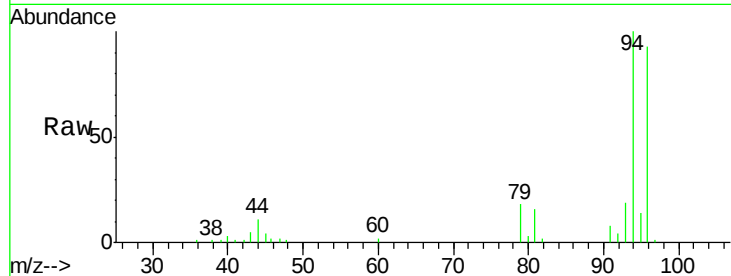
96 93.5 77.0 115.4

Manual Integrations

APPROVED

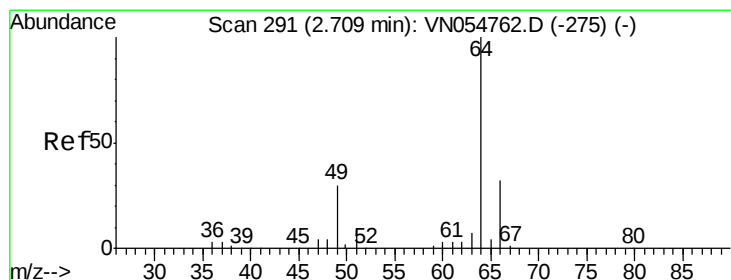
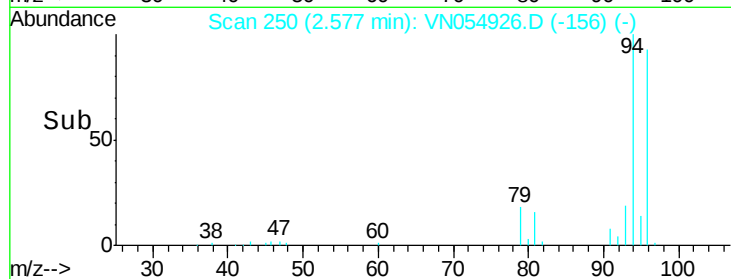
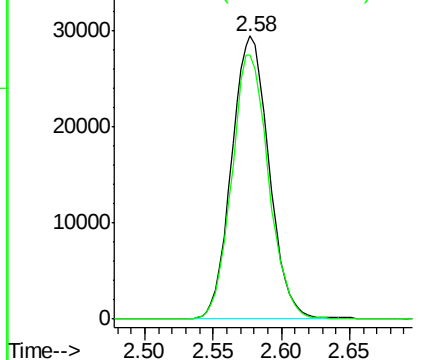
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.506 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054926.D

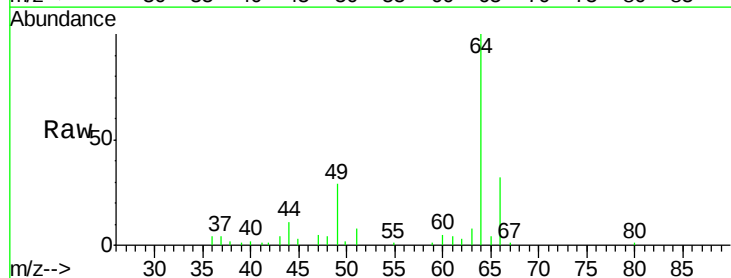
Acq: 3 Apr 2019 15:07

Tgt Ion: 64 Resp: 57225

Ion Ratio Lower Upper

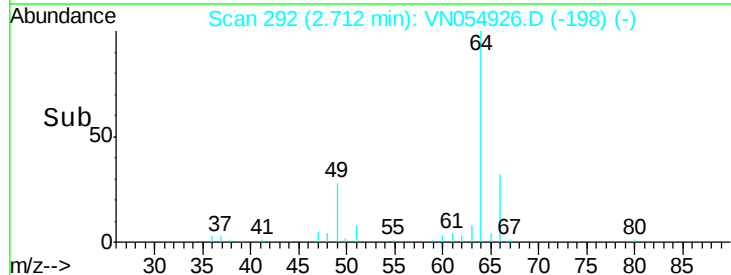
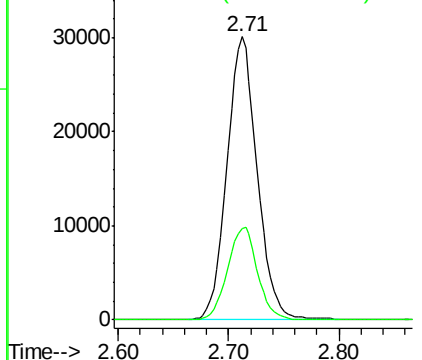
64 100

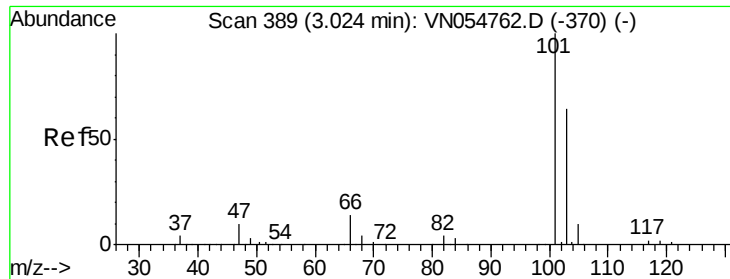
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

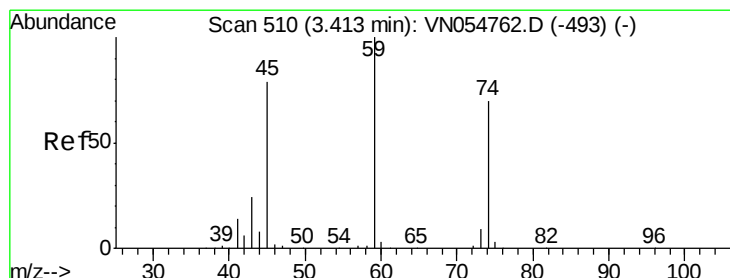
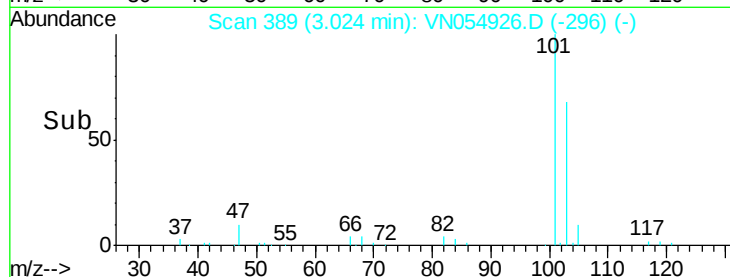
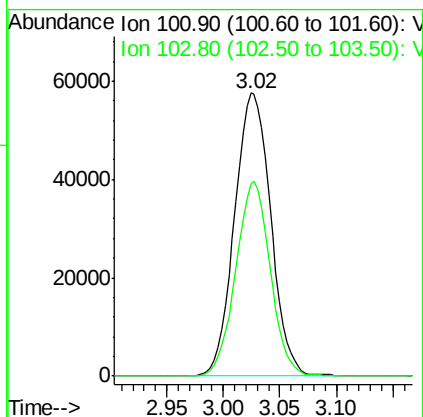
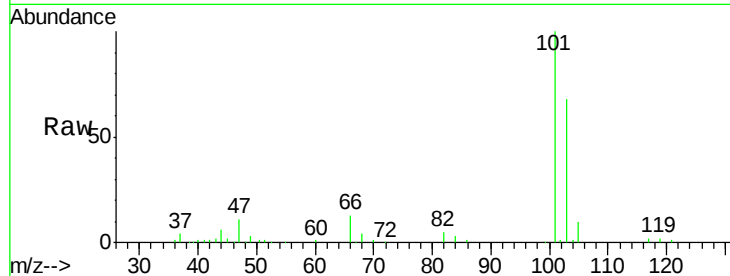
Trichlorofluoromethane
Concen: 20.916 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	51.4	77.2

Manual Integrations
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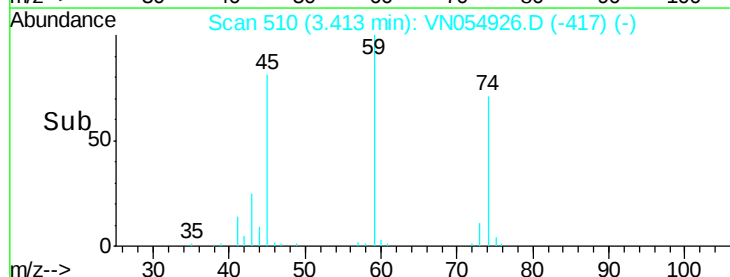
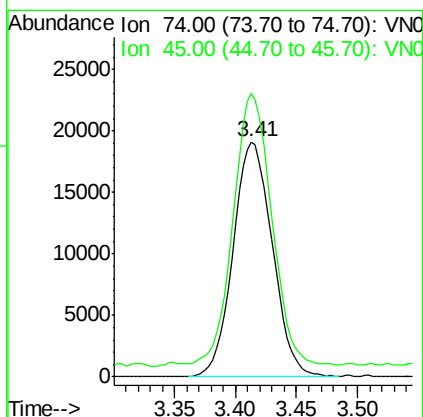
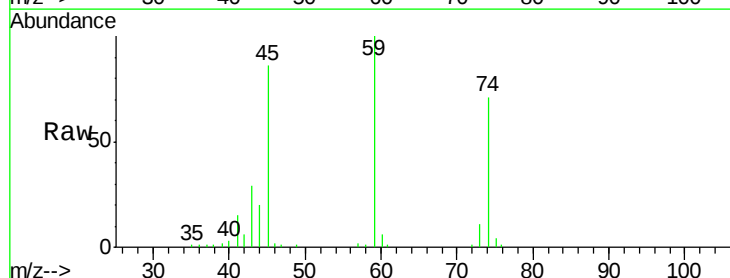
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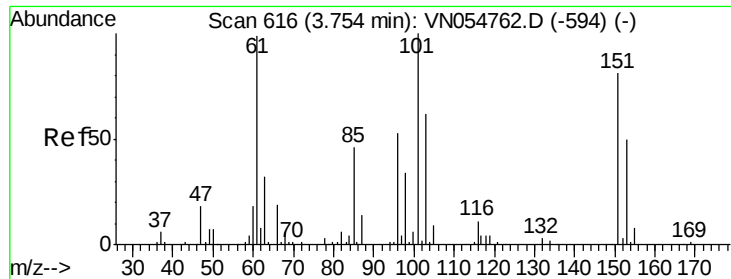


#8

Diethyl Ether
Concen: 21.498 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.7	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.855 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

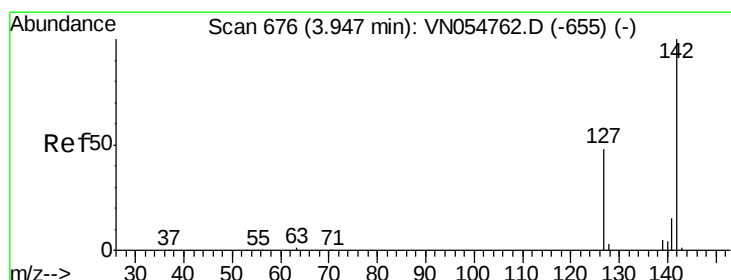
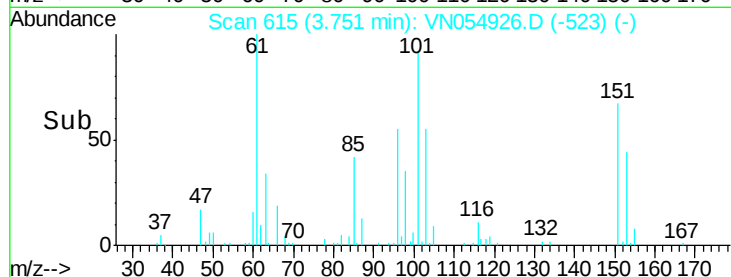
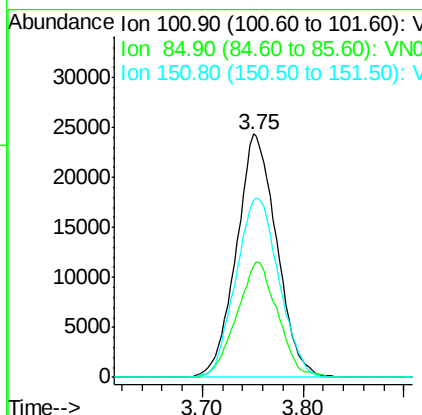
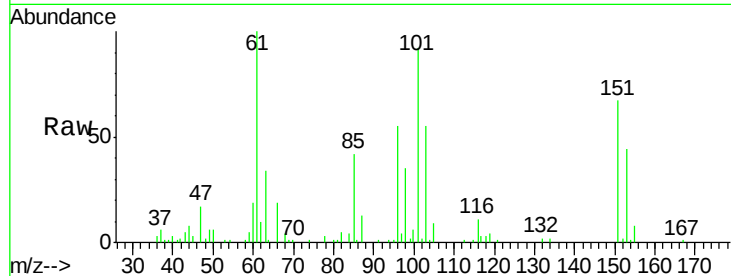
ClientSampleId :

VN0403WBSD01

Tot Ion:	101	Resp:	67454
Ion Ratio	Lower	Upper	
101	100		
85	48.2	32.4	48.6
151	78.7	68.2	102.2

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#10

Methyl Iodide

Concen: 20.583 ug/l

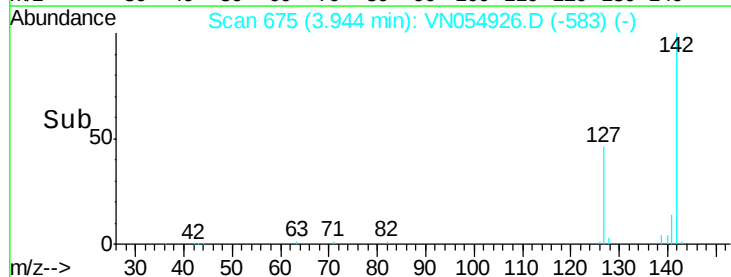
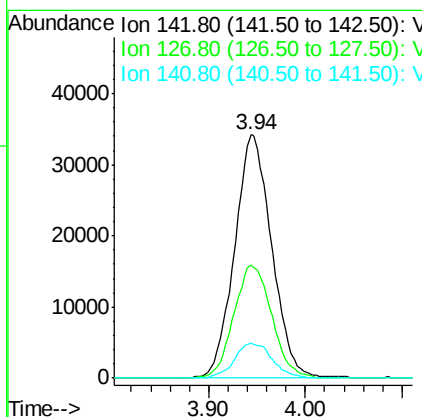
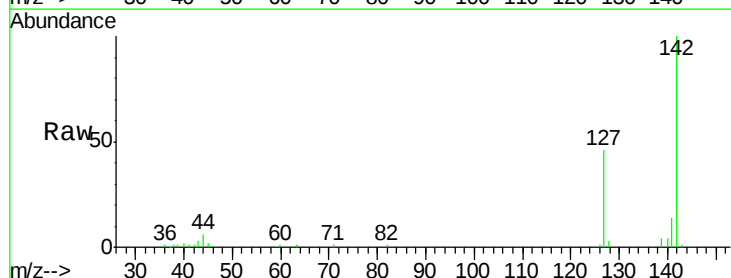
RT: 3.94 min Scan# 675

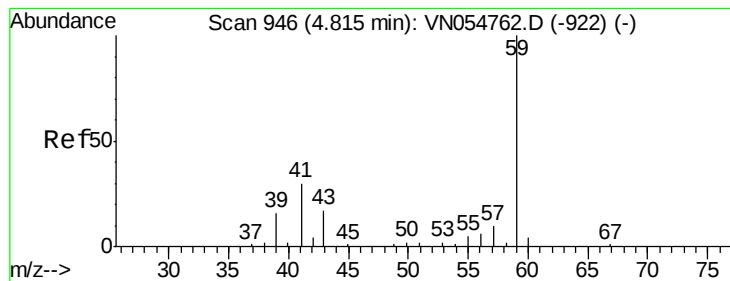
Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Tgt Ion:	142	Resp:	91137
Ion Ratio	Lower	Upper	
142	100		
127	47.3	30.3	45.5#
141	14.6	11.2	16.8





#11

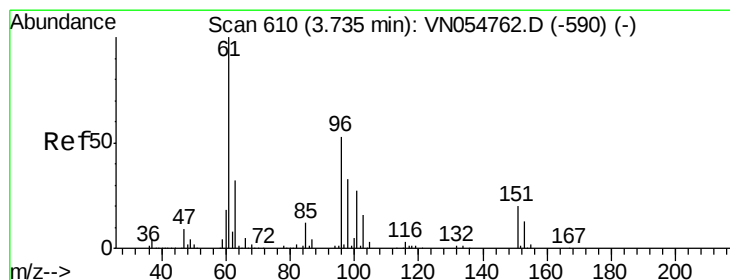
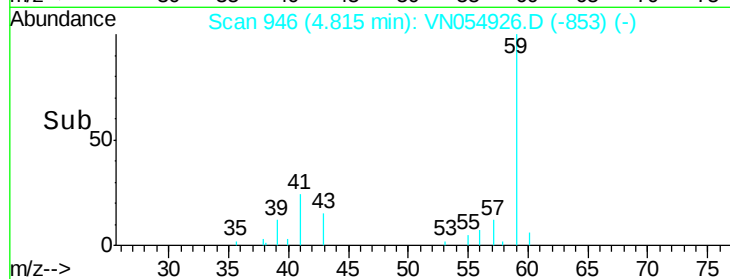
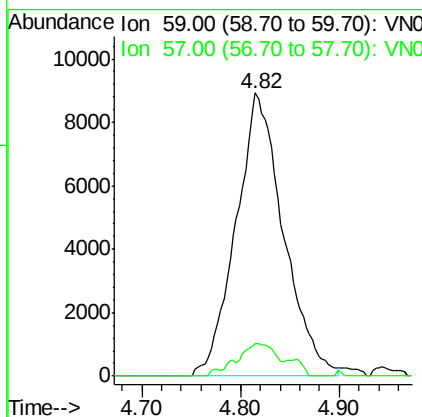
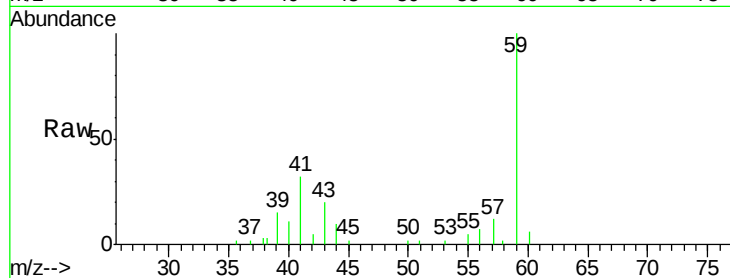
Tert butyl alcohol
 Concen: 106.657 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	29807		
57	6.6	9.0	13.6#	

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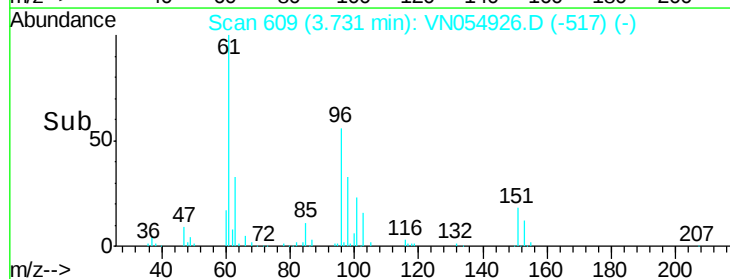
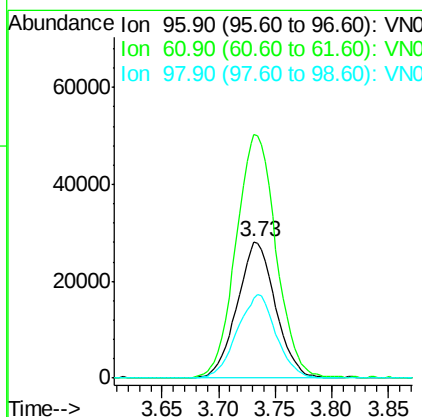
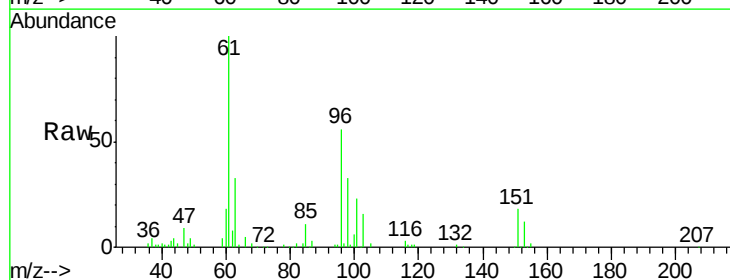
MMDadoda
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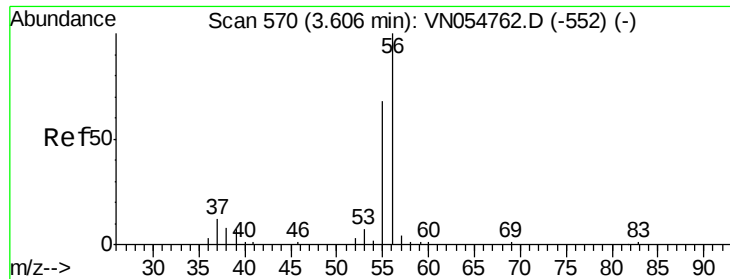


#12

1,1-Dichloroethene
 Concen: 21.197 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	66300		
61	178.7	116.5	174.7#	
98	58.3	51.0	76.4	





#13

Acrolein

Concen: 91.812 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0403WBSD01

Tot Ion: 56 Resp: 22938

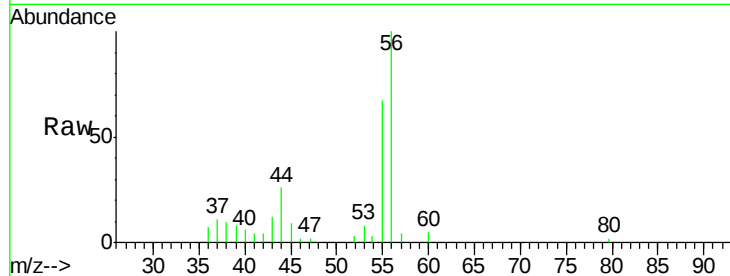
Ion Ratio Lower Upper

56 100

55 72.1 56.7 85.1

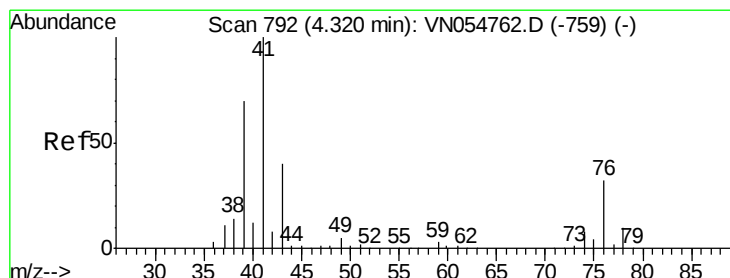
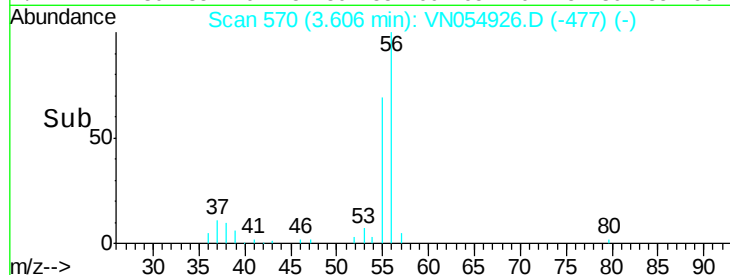
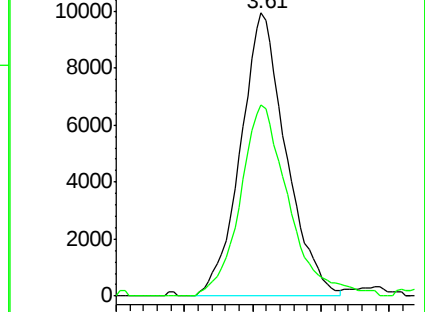
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.102 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

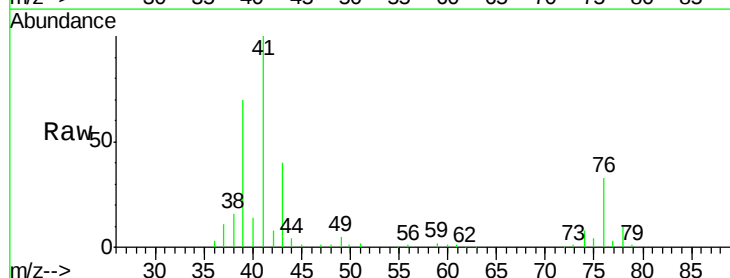
Tgt Ion: 41 Resp: 154866

Ion Ratio Lower Upper

41 100

39 68.9 58.2 87.4

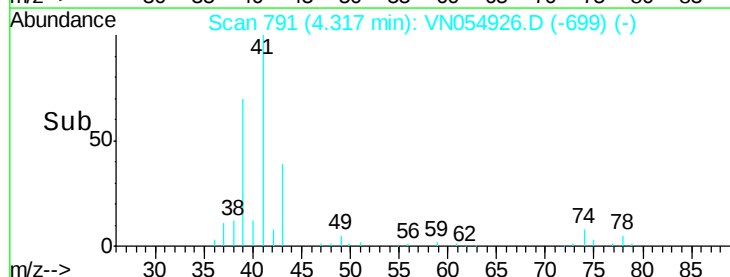
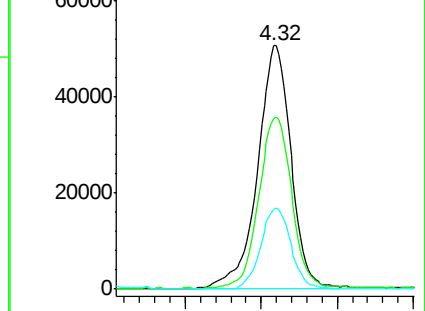
76 30.1 31.7 47.5#

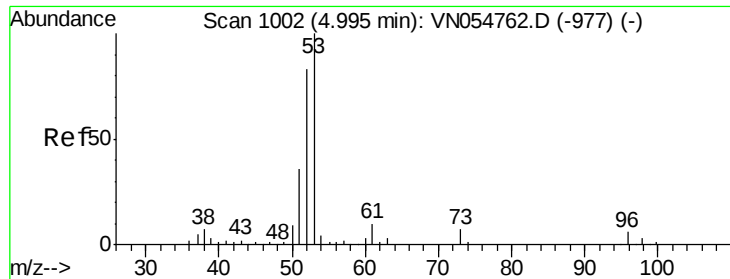


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





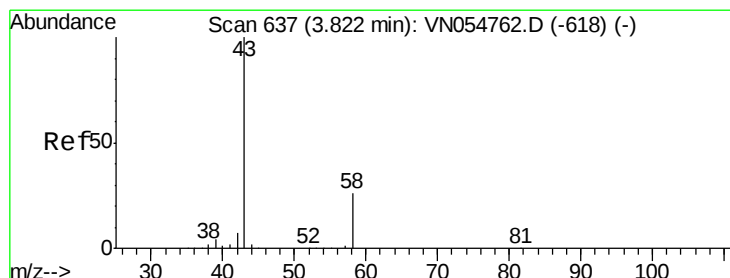
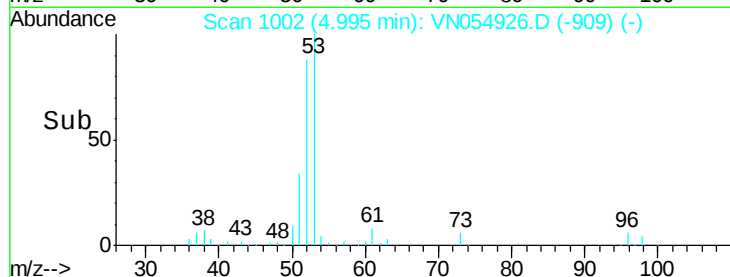
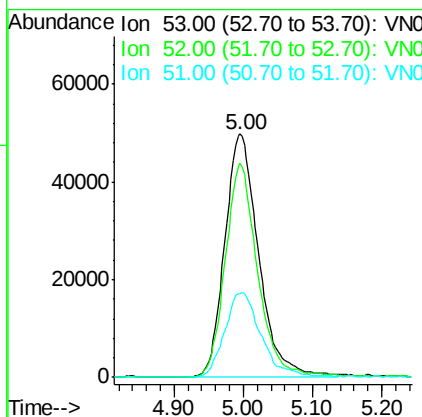
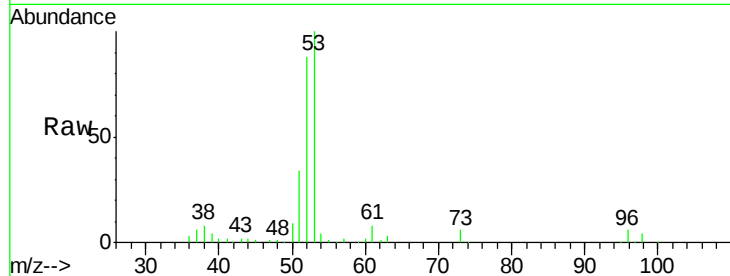
#15
 Acrylonitrile
 Concen: 109.324 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403WBSD01

Tot Ion	53	Resp	169820
Ion Ratio	100	Lower	Upper
53	100		
52	83.2	66.4	99.6
51	37.4	29.6	44.4

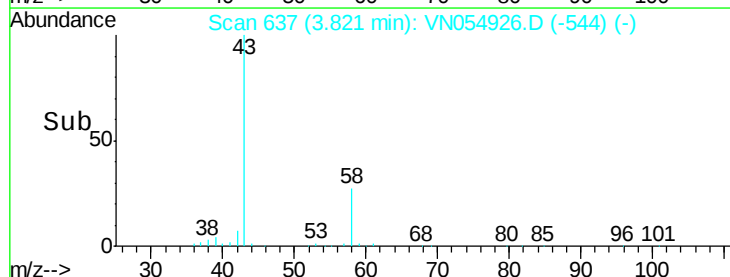
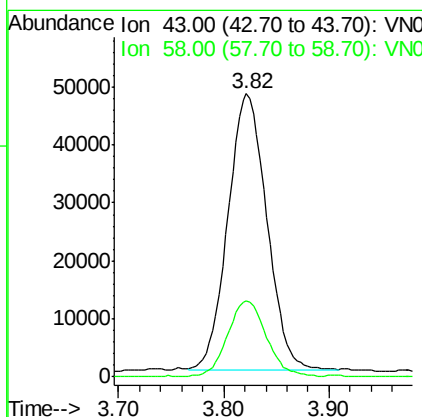
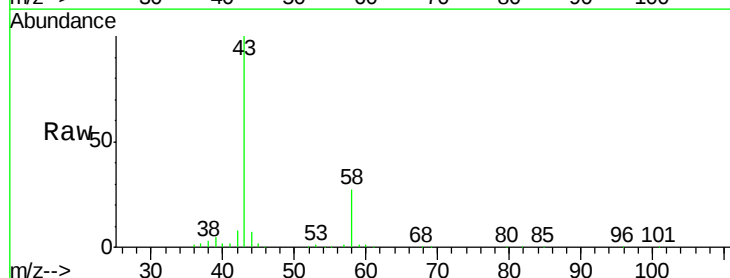
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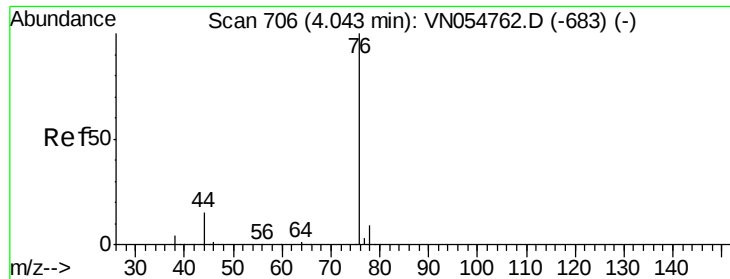
MMDadoda
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#16
 Acetone
 Concen: 94.886 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Tgt Ion	43	Resp	121367
Ion Ratio	100	Lower	Upper
43	100		
58	27.0	29.9	44.9#





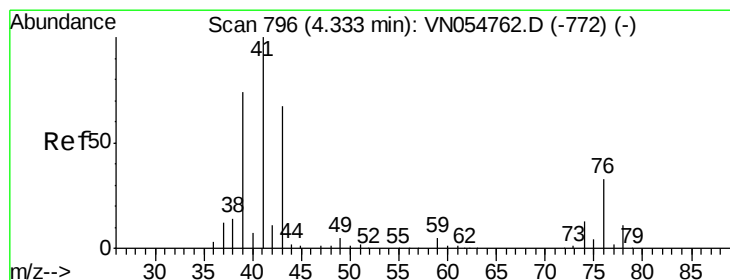
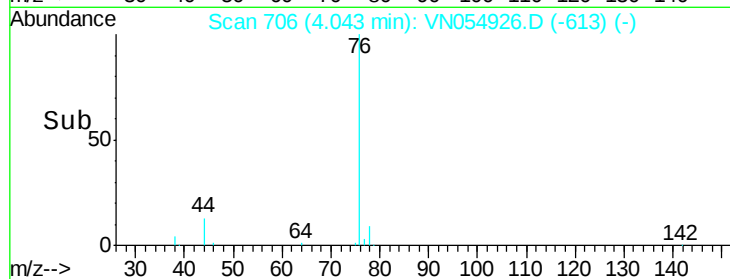
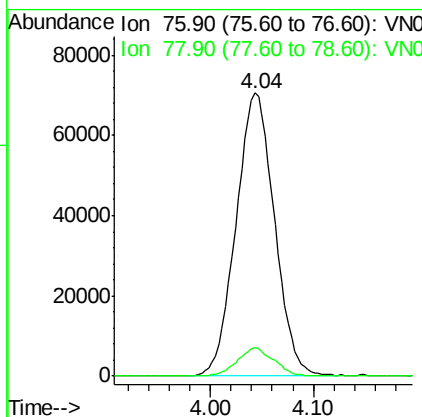
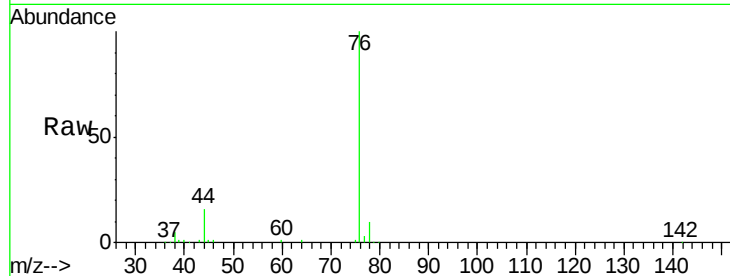
#17
Carbon Disulfide
Concen: 18.014 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	76	Resp	182742
Ion Ratio	Lower	Upper	
76	100		
78	10.2	7.5	11.3

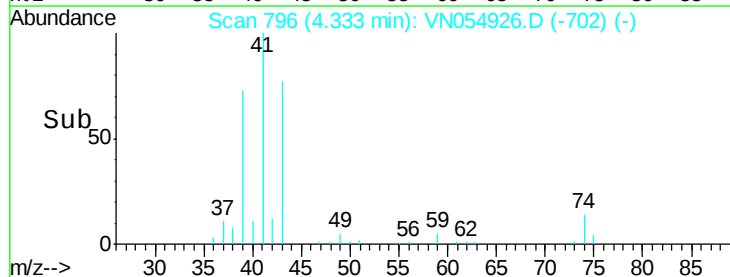
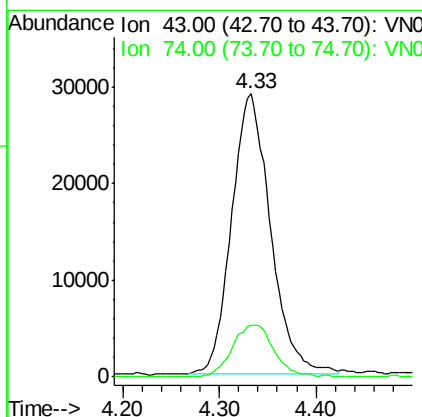
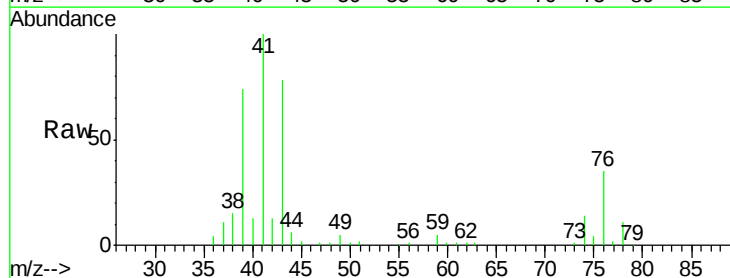
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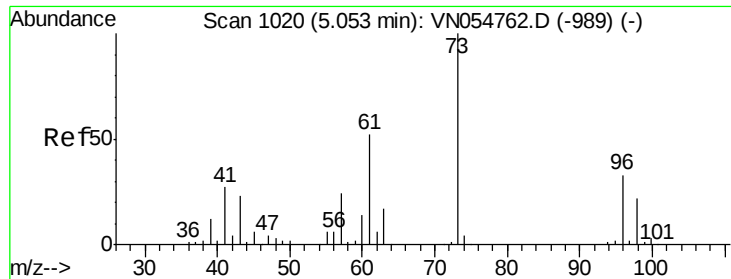
MMDadoda
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#18
Methyl Acetate
Concen: 23.832 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	43	Resp	81002
Ion Ratio	Lower	Upper	
43	100		
74	19.8	20.8	31.2#





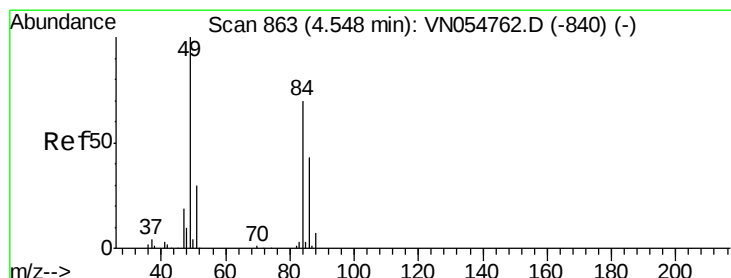
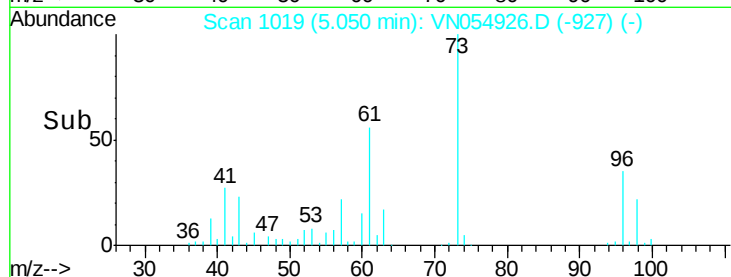
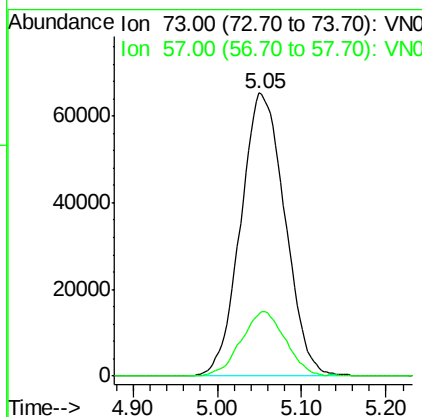
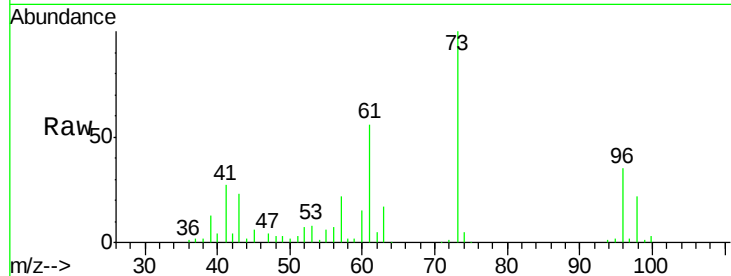
#19
Methvl tert-butvl Ether
Concen: 21.770 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VN0403WBSD01

Tot Ion: 73 Resp: 238184
Ion Ratio Lower Upper
73 100
57 22.0 16.8 25.2

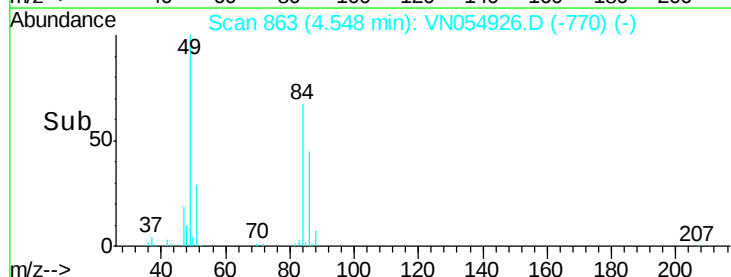
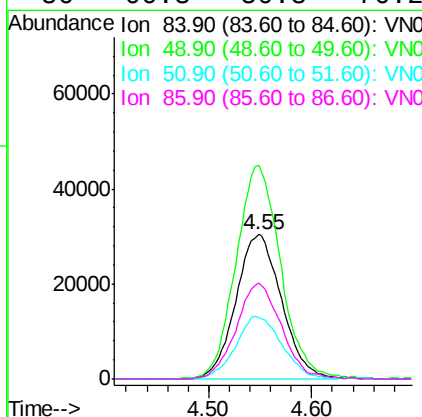
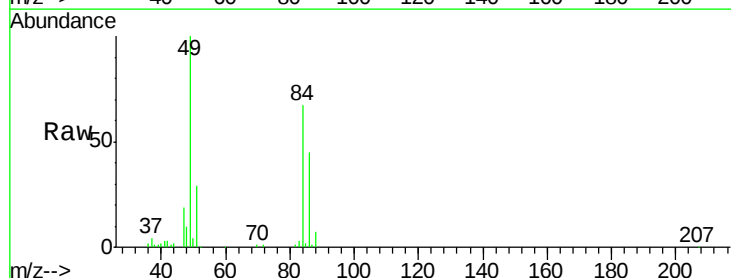
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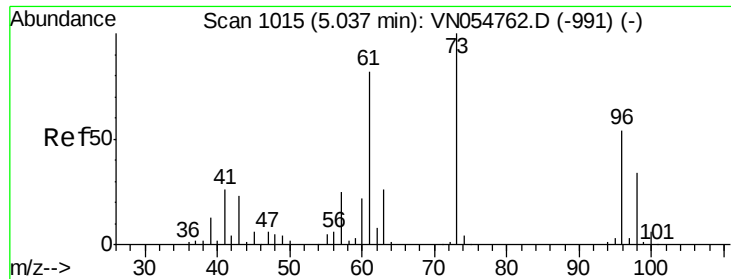
MMDadoda
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#20
Methylene Chloride
Concen: 20.748 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion: 84 Resp: 93610
Ion Ratio Lower Upper
84 100
49 147.6 89.7 134.5#
51 42.8 28.2 42.4#
86 66.3 50.8 76.2





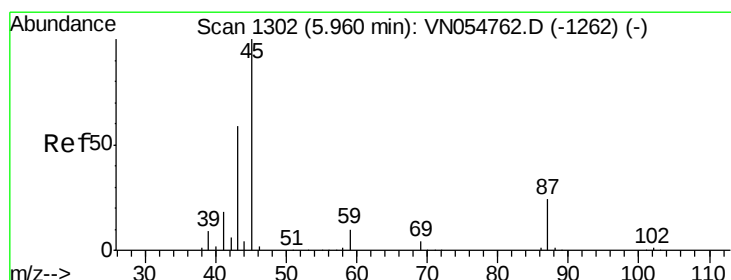
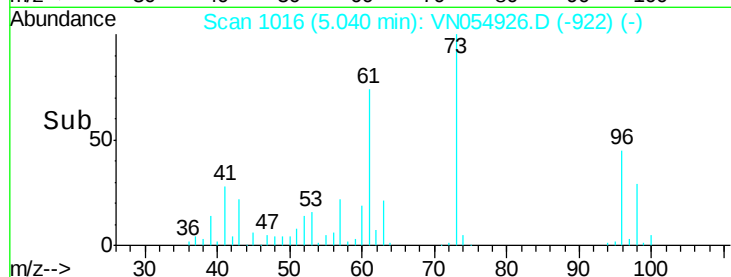
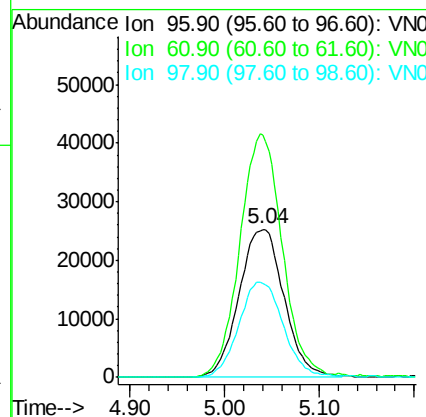
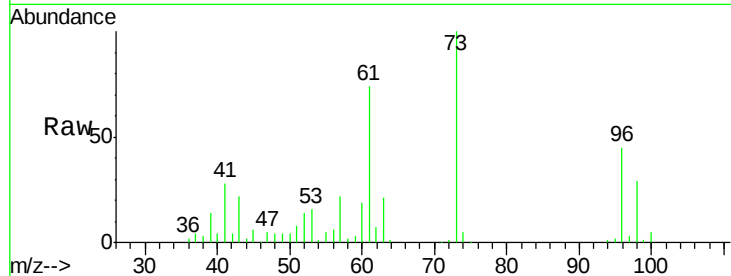
#21
trans-1,2-Dichloroethene
Concen: 20.346 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.8	102.8	154.2#
98	63.5	50.0	75.0

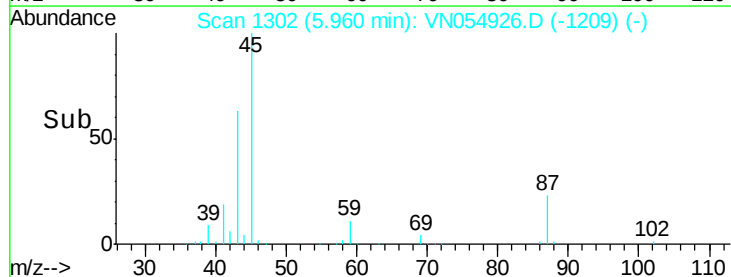
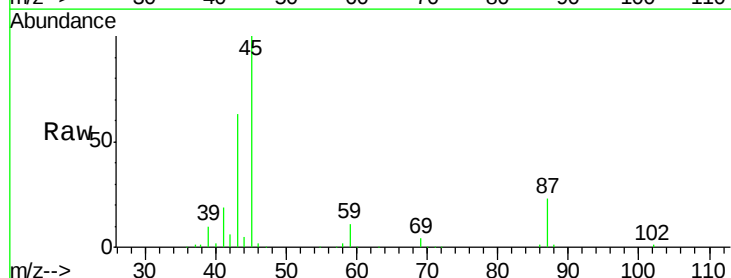
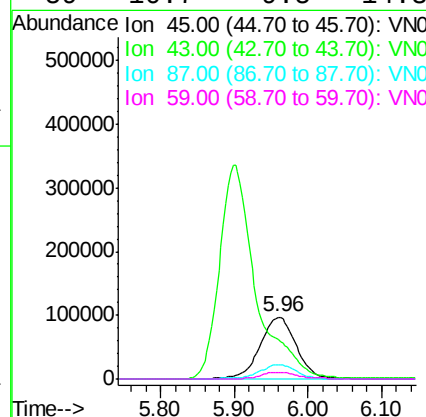
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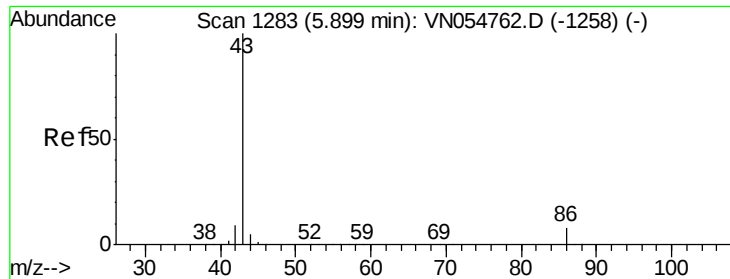
MMDadoda
4/4/2019 9:30:54 AM



#22
Diisopropyl ether
Concen: 21.806 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.2	72.2
87	23.0	24.9	37.3#
59	10.7	9.5	14.3





#23

Vinyl Acetate

Concen: 108.893 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0403WBSD01

Tot Ion: 43 Resp: 1154673

Ion Ratio Lower Upper

43 100

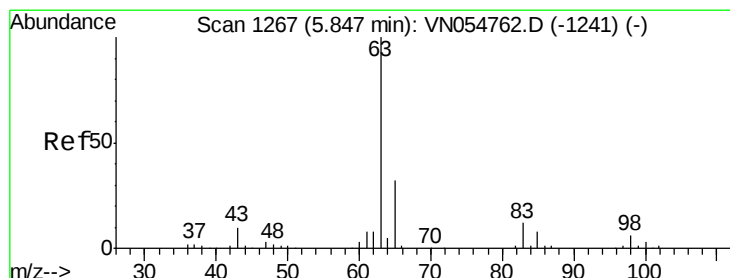
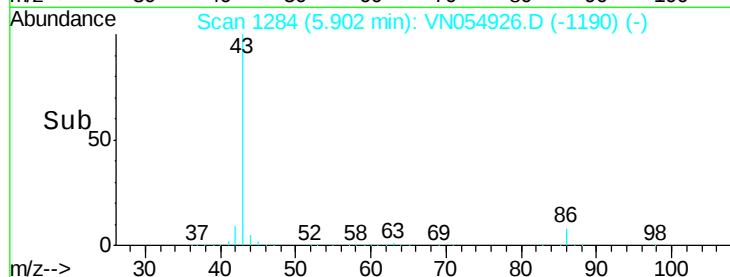
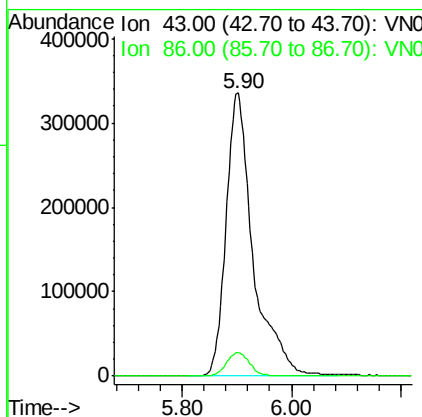
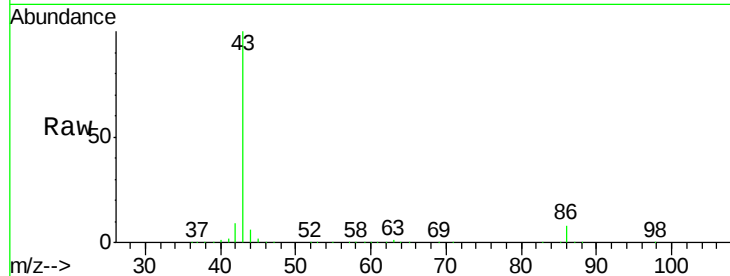
86 8.4 9.1 13.7#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.465 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

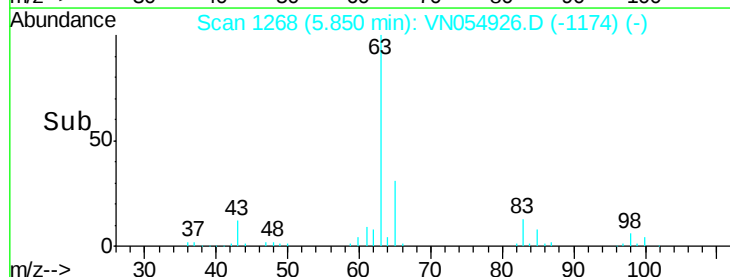
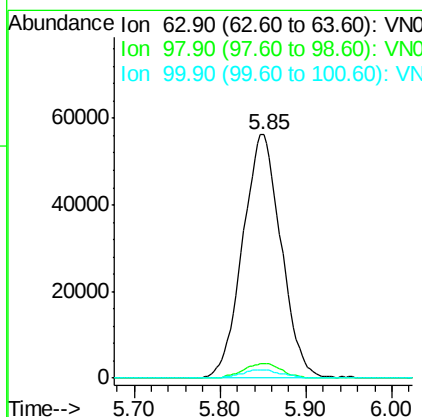
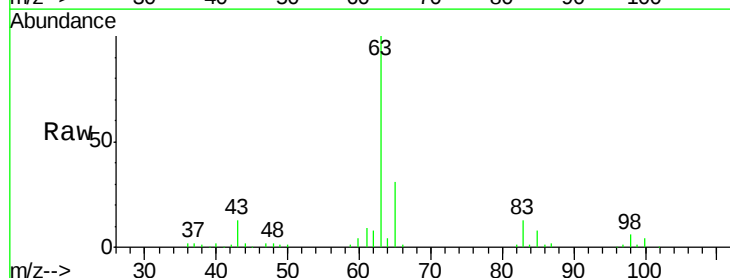
Tgt Ion: 63 Resp: 174475

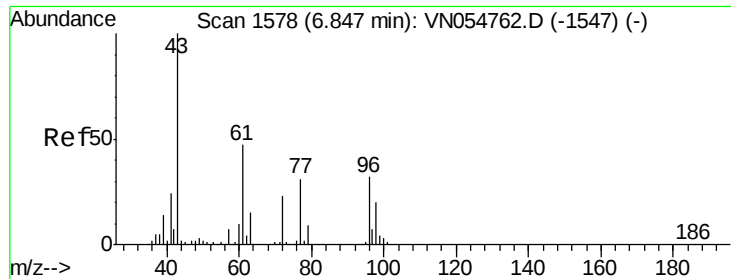
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 107.435 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0403WBSD01

Tot Ion: 43 Resp: 203131

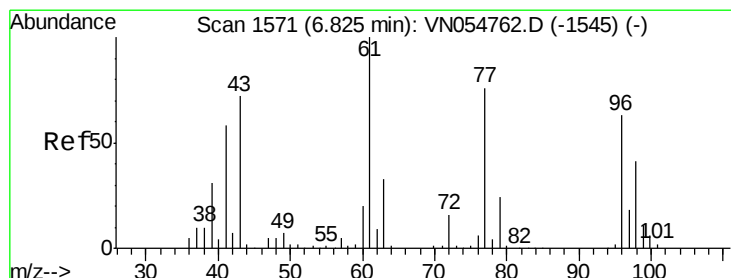
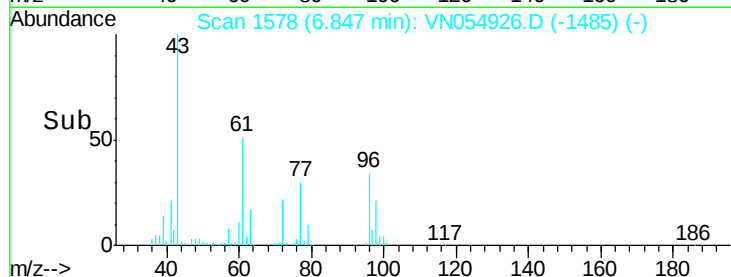
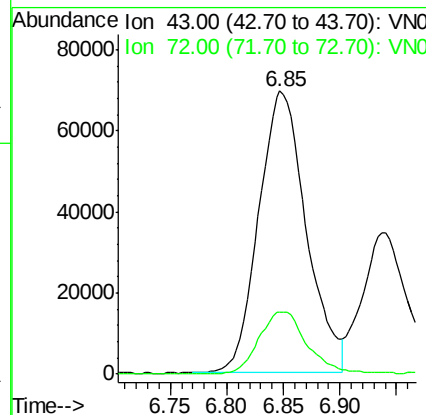
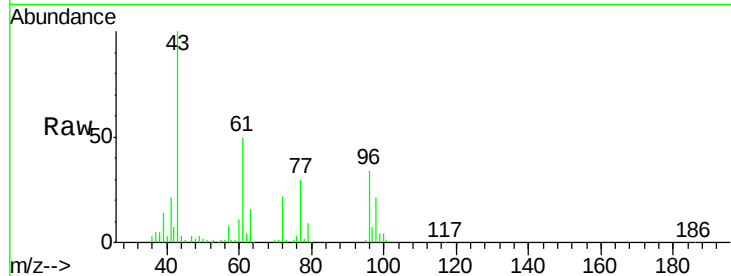
Ion Ratio Lower Upper

43 100

72 22.2 23.0 34.6#

Manual Integrations
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MMDadoda
4/4/2019 9:30:54 AM



#26

2,2-Dichloropropane

Concen: 19.748 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054926.D

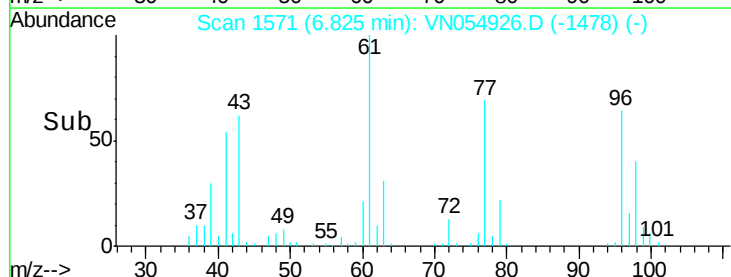
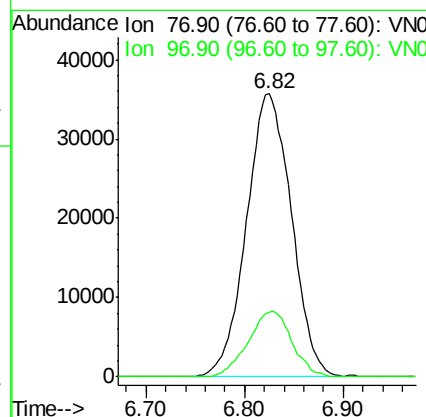
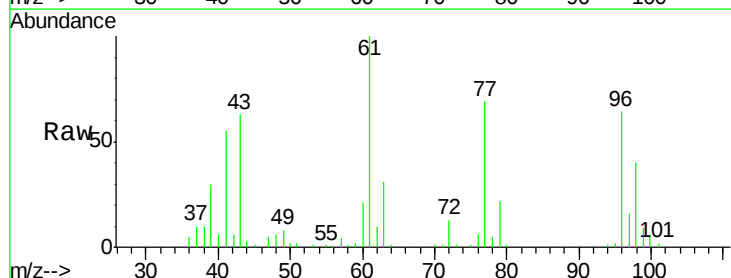
Acq: 3 Apr 2019 15:07

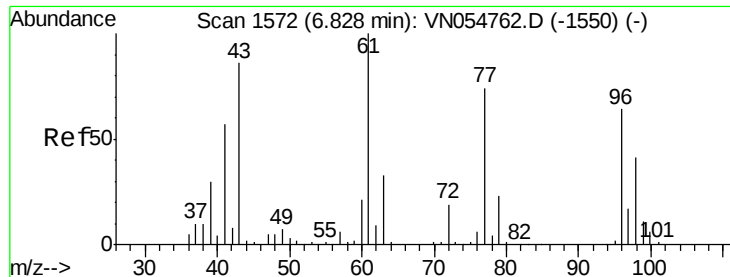
Tgt Ion: 77 Resp: 112506

Ion Ratio Lower Upper

77 100

97 22.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.548 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

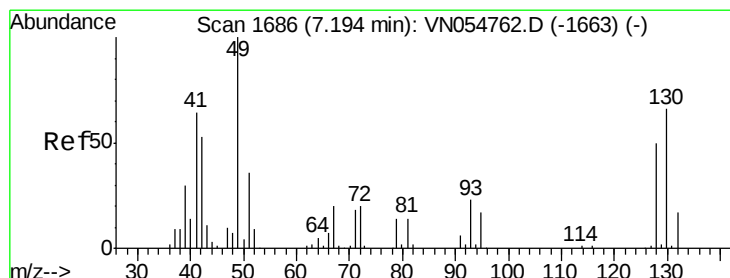
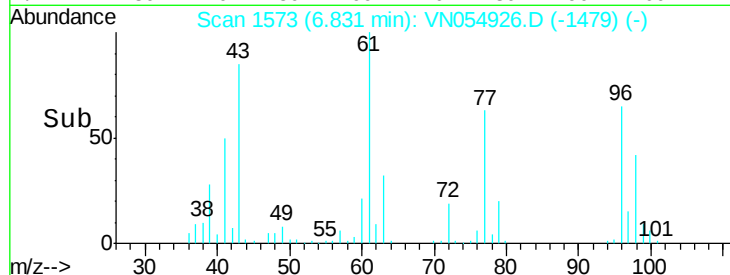
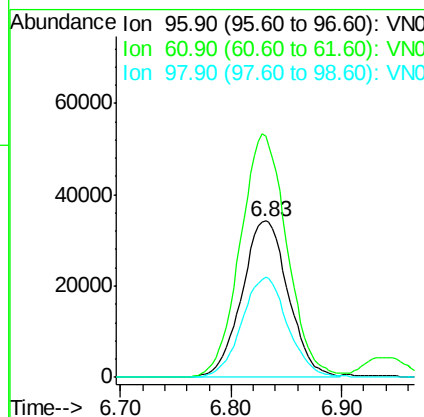
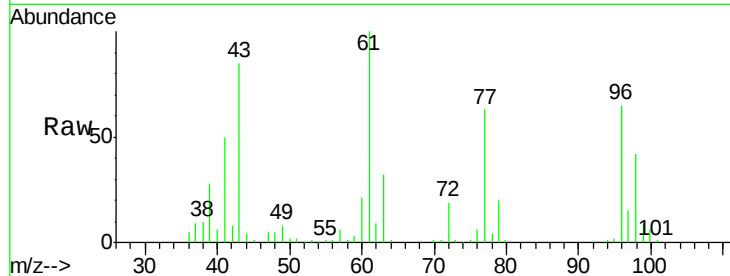
ClientSampleId :

VN0403WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		100006		
61	156.6	0.0	273.0		
98	63.3	0.0	130.6		

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#28

Bromochloromethane

Concen: 21.005 ug/l

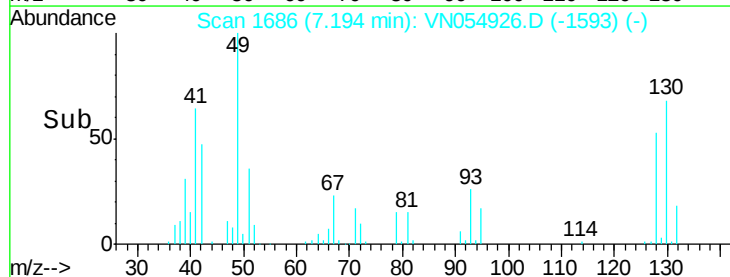
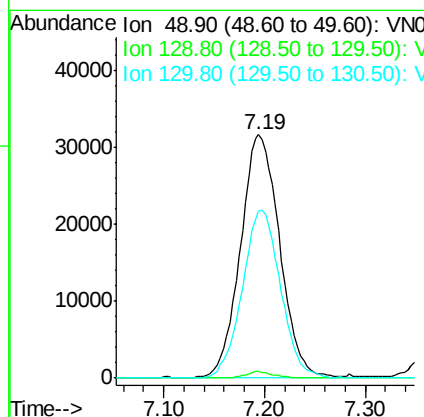
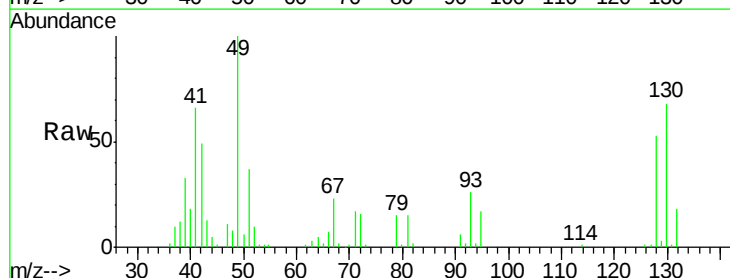
RT: 7.19 min Scan# 1686

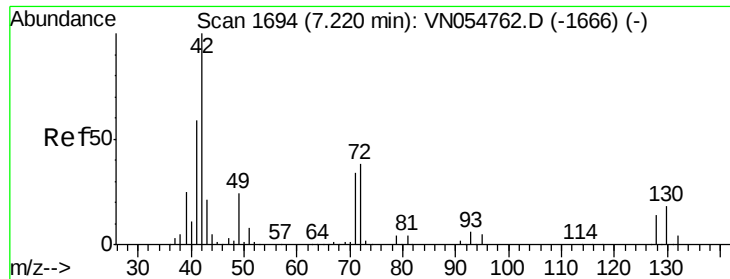
Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		85371		
129	1.8	0.0	4.6		
130	66.9	76.7	115.1#		





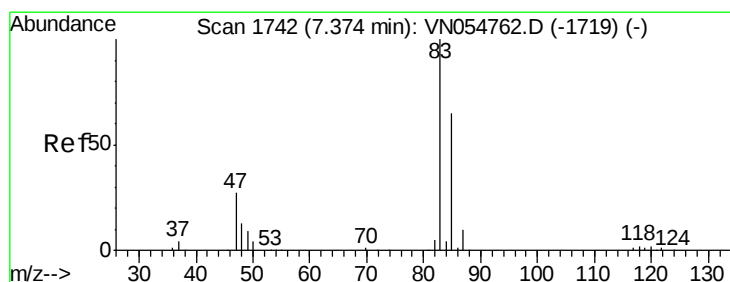
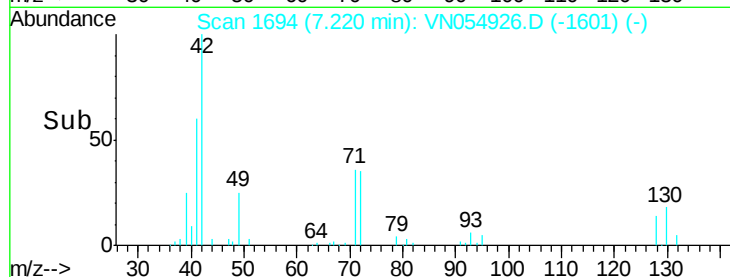
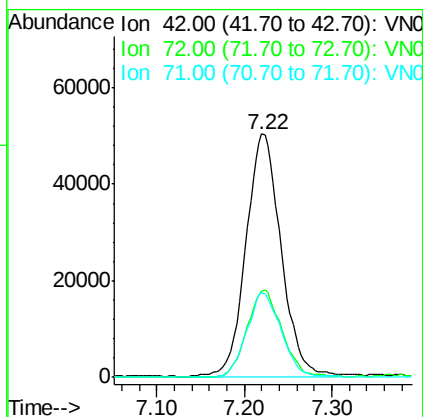
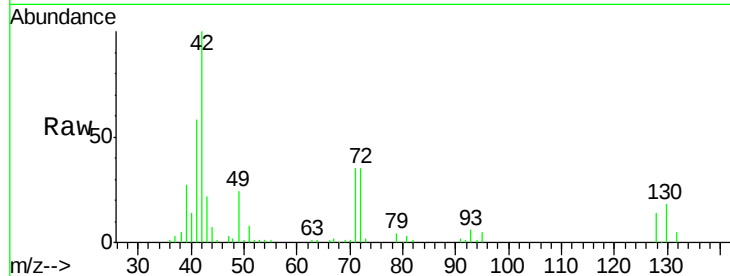
#29
Tetrahydrofuran
Concen: 106.189 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	37.8	56.6#
71	34.6	36.2	54.2#

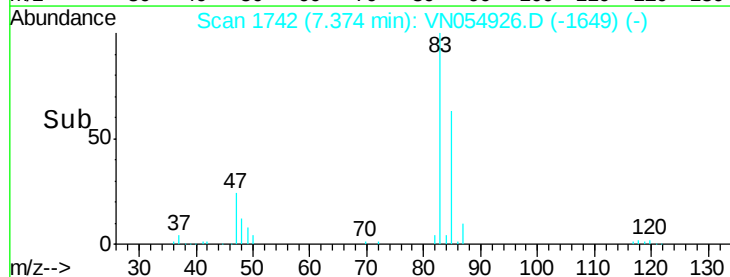
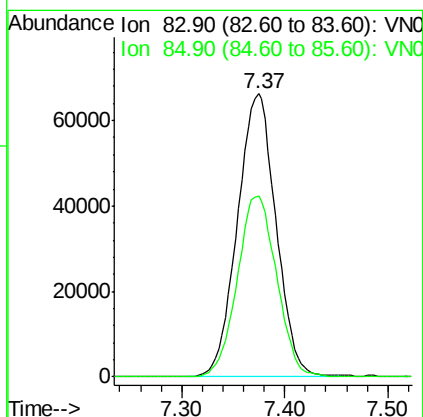
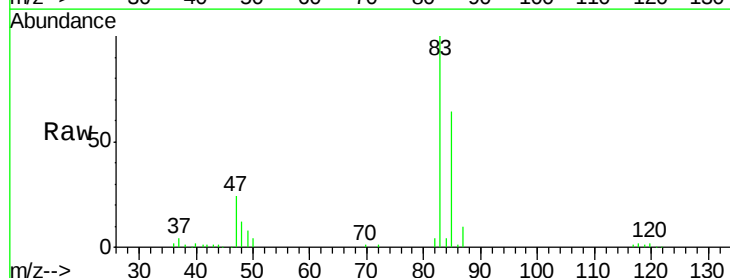
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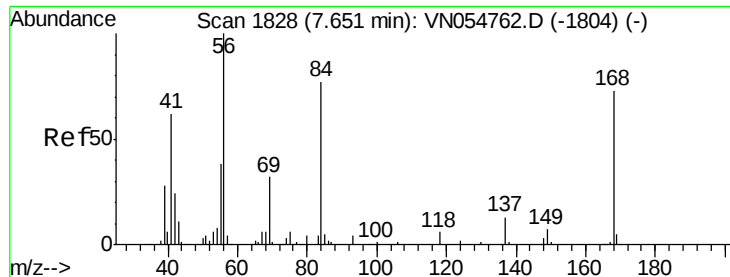
MMDadoda
4/4/2019 9:30:54 AM



#30
Chloroform
Concen: 22.224 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.4





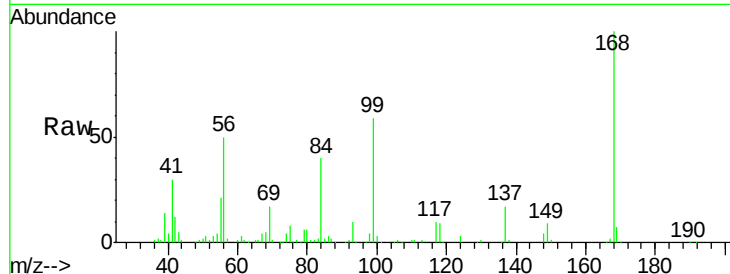
#31
Cyclohexane
Concen: 20.153 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.8	41.6
84	78.6	74.6	111.8

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4/4/2019 9:30:54 AM

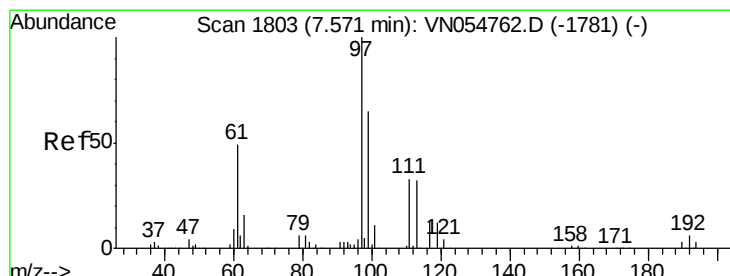
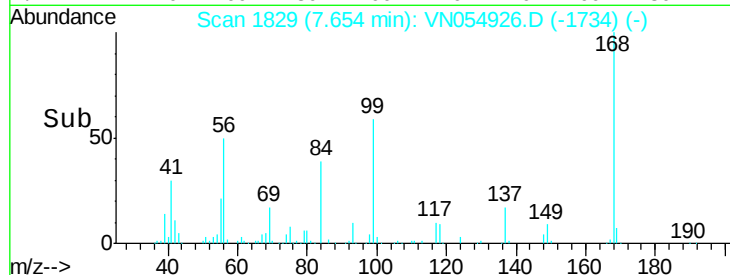
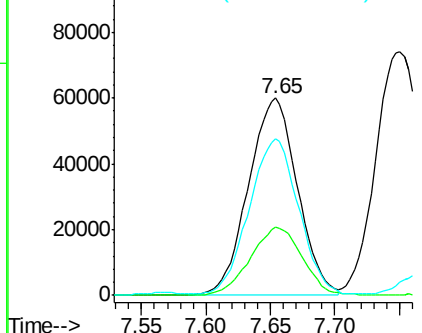


Abundance

Ion 56.00 (55.70 to 56.70): VN0

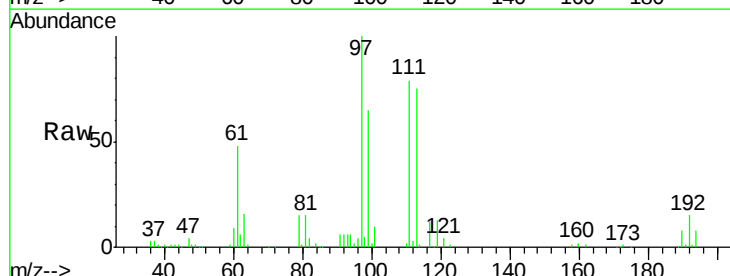
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 21.539 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	49.3	33.6	50.4

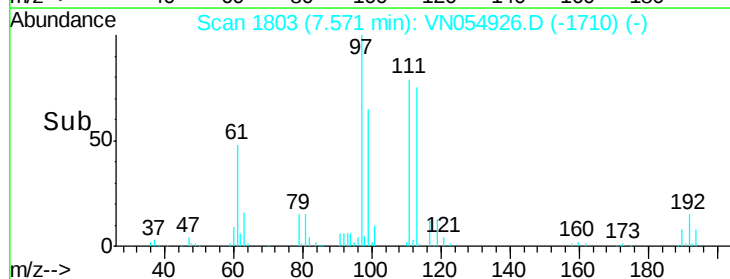
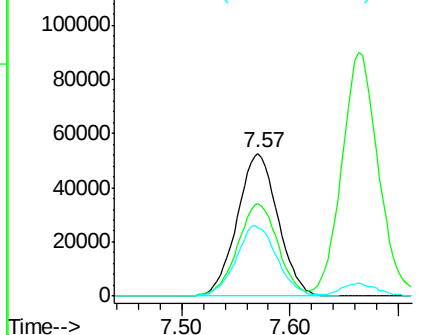


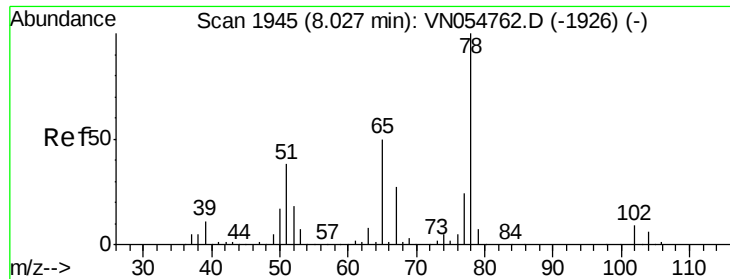
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





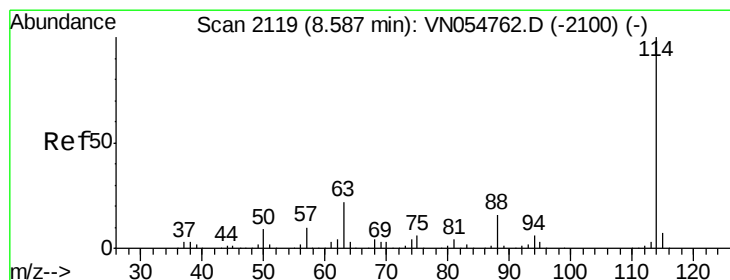
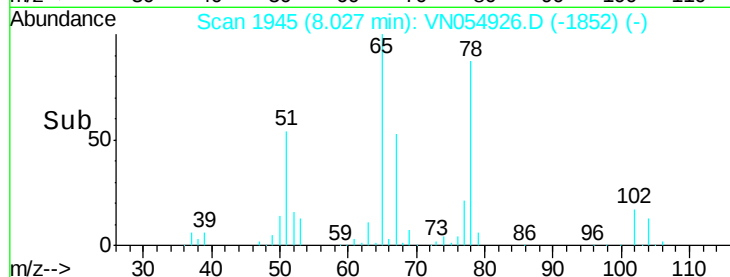
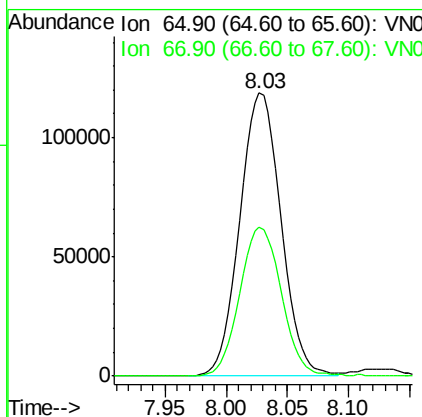
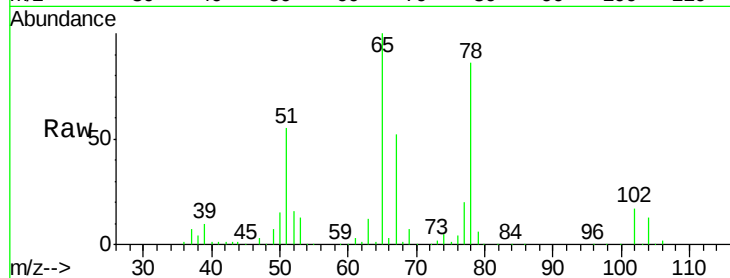
#33
 1,2-Dichloroethane-d4
 Concen: 51.766 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0403WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	277666		
67	53.1	0.0	104.6	

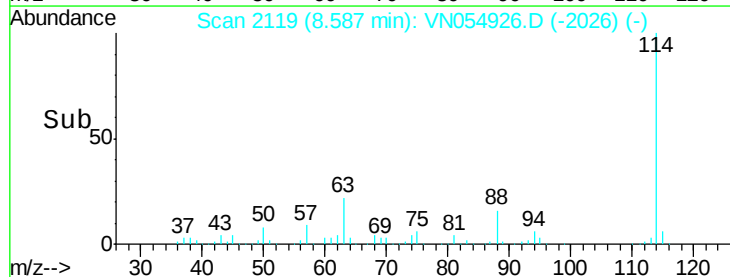
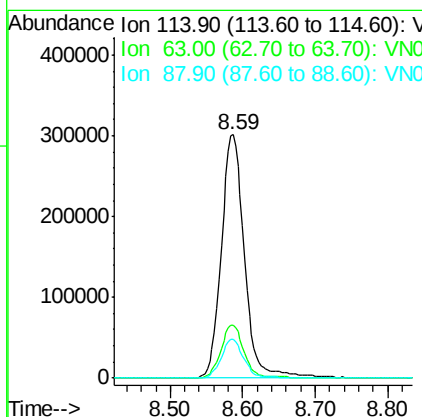
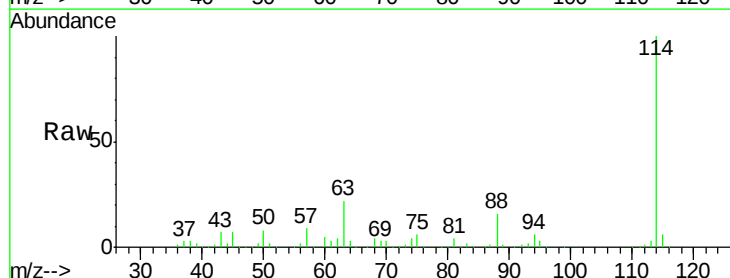
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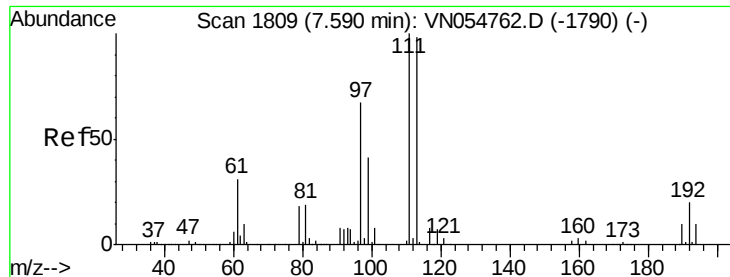
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 4/4/2019 9:30:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	667994		
63	21.9	0.0	35.2	
88	16.0	0.0	30.2	





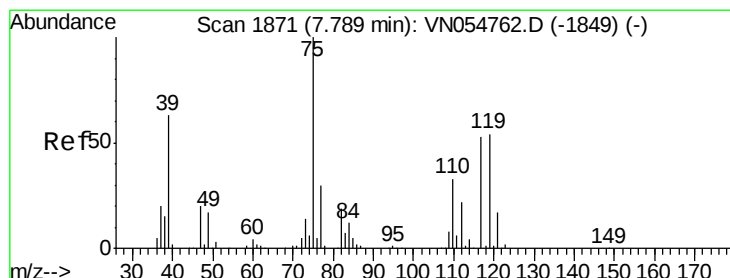
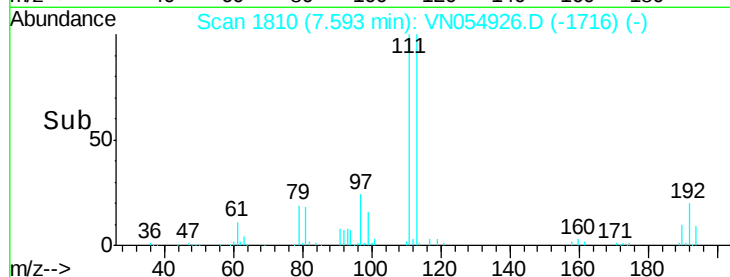
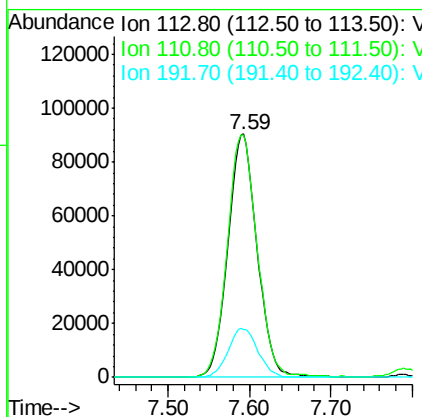
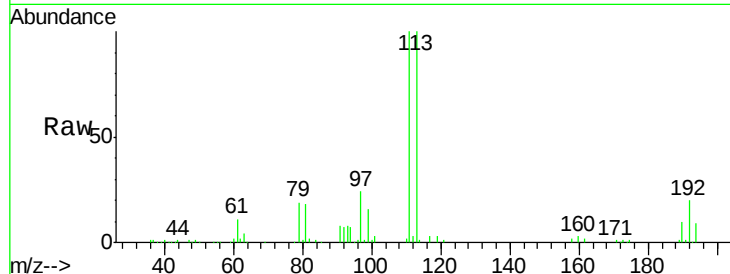
#35
 Dibromofluoromethane
 Concen: 50.927 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	226803		
111	101.2	82.2	123.4	
192	20.5	19.2	28.8	

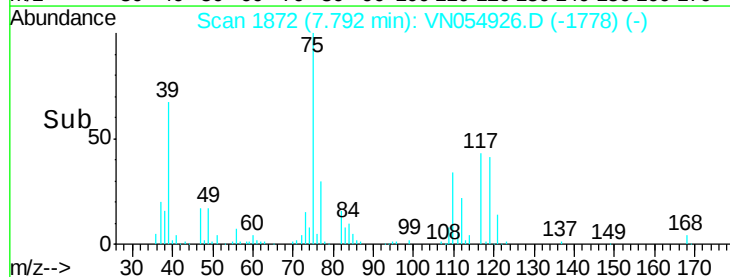
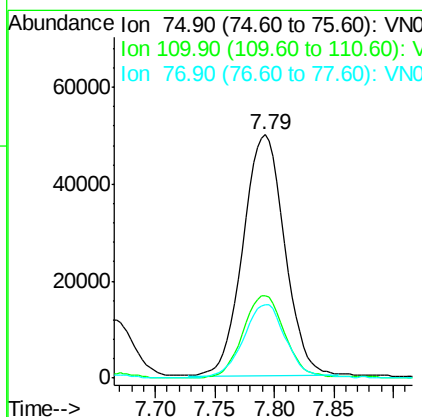
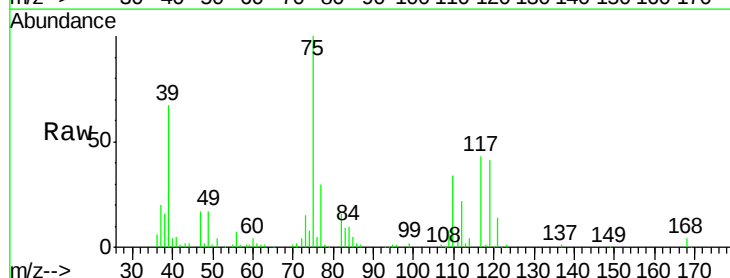
Manual Integrations
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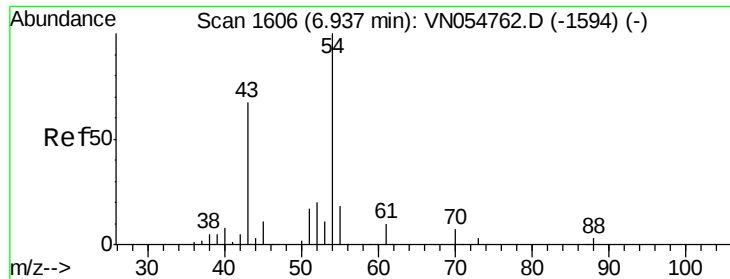
MMDadoda
 4/4/2019 9:30:54 AM



#36
 1,1-Dichloropropene
 Concen: 19.416 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120852		
110	34.3	19.1	57.5	
77	31.4	25.0	37.4	





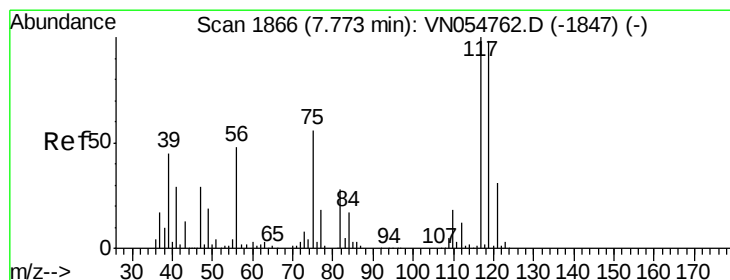
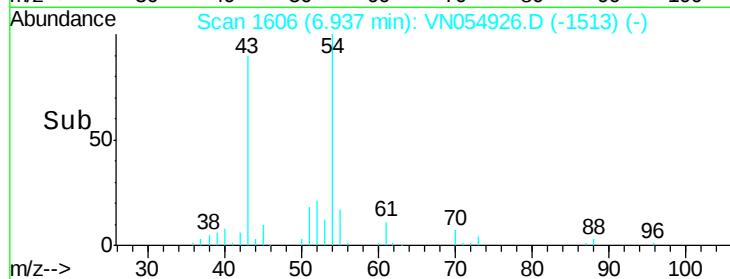
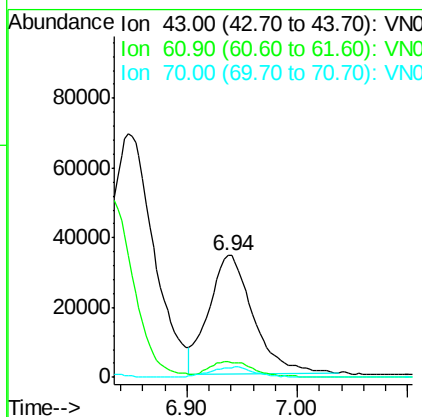
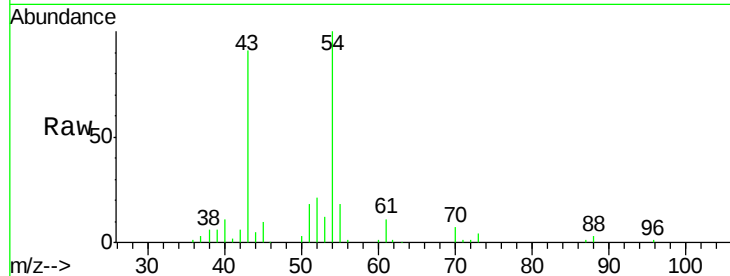
#37
Ethyl Acetate
Concen: 20.870 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	43	61	70
Resp	95261		
Ratio	100	13.5	8.6
Lower		11.8	8.4
Upper		17.6	12.6

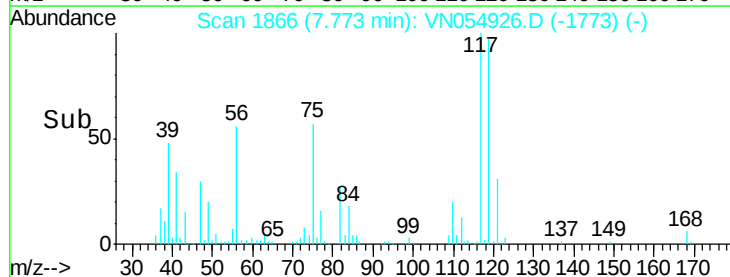
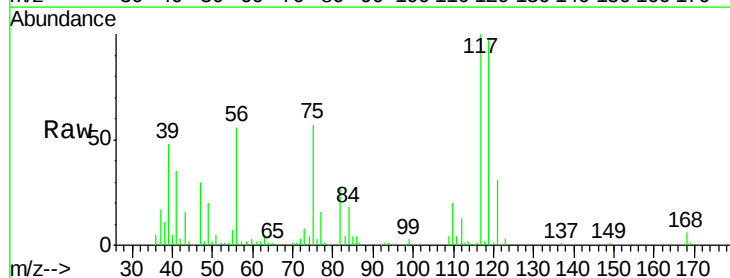
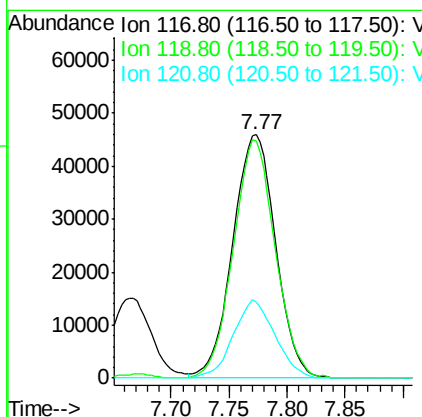
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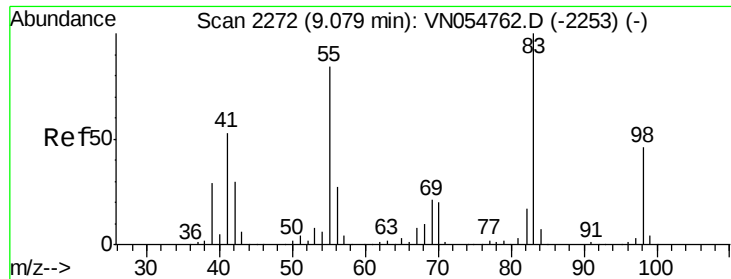
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.590 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	117	119	121
Resp	118434		
Ratio	100	97.4	31.1
Lower		76.3	24.6
Upper		114.5	36.8





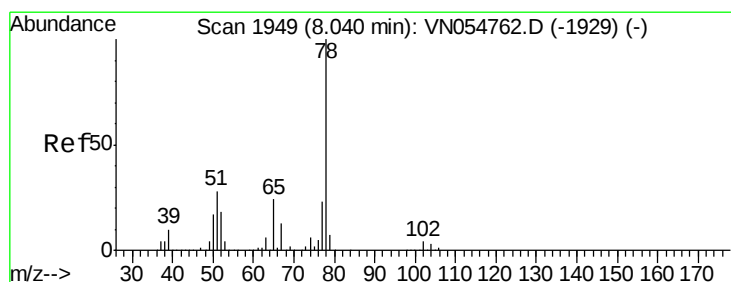
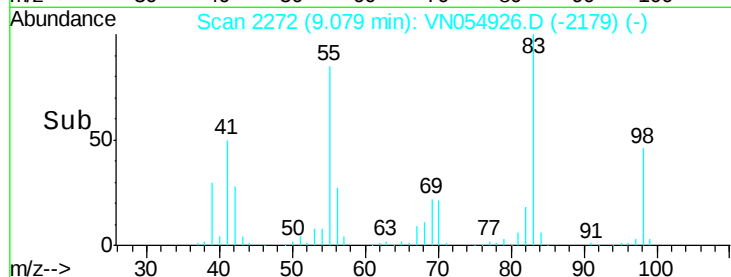
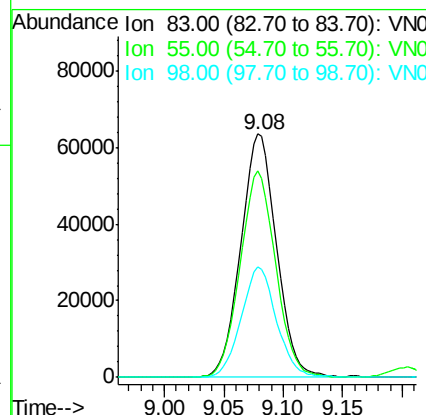
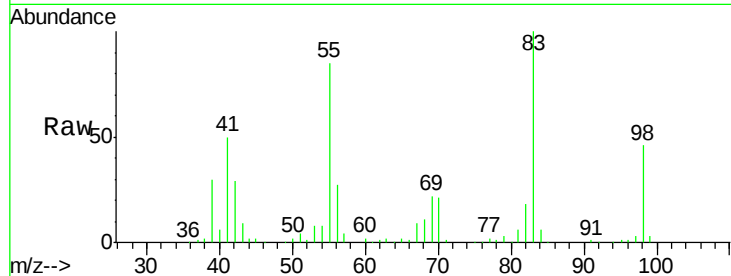
#39
Methvlcvclohexane
Concen: 19.315 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.0	56.6	84.8#
98	45.6	38.4	57.6

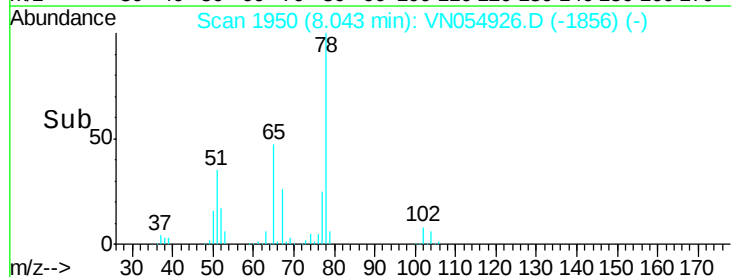
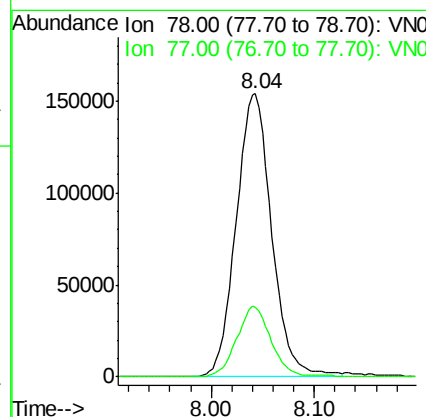
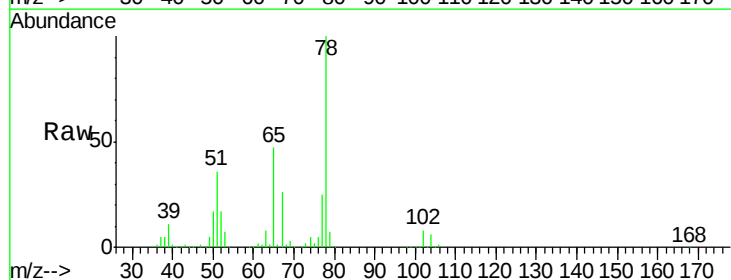
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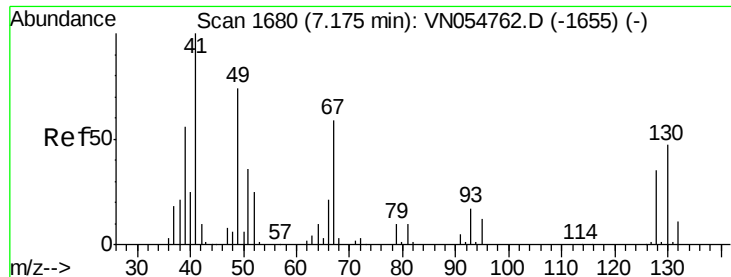
MMDadoda
4/4/2019 9:30:54 AM



#40
Benzene
Concen: 20.712 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7





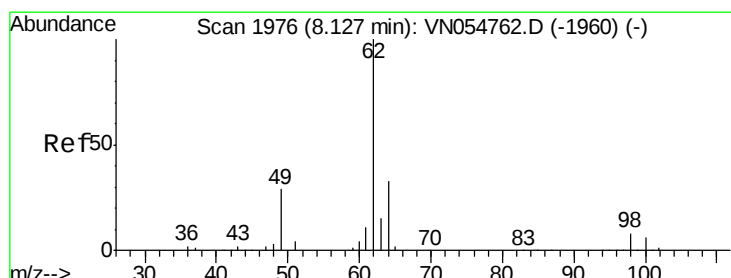
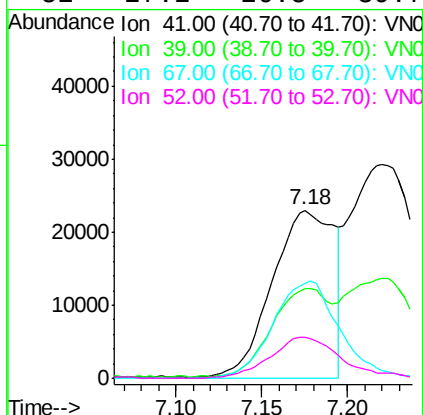
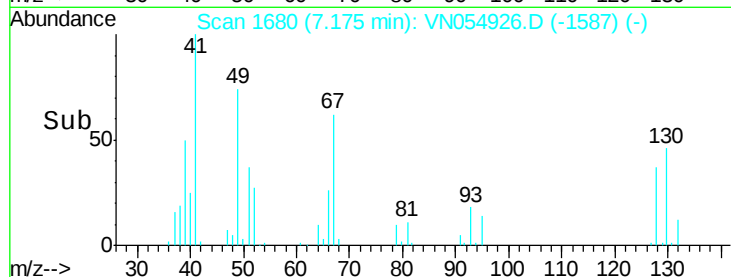
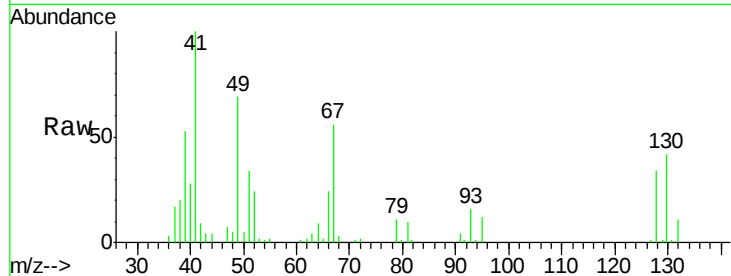
#41
Methacrylonitrile
Concen: 22.482 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	47.8	46.8	70.2	
67	61.8	67.0	100.4	
52	27.2	26.5	39.7	

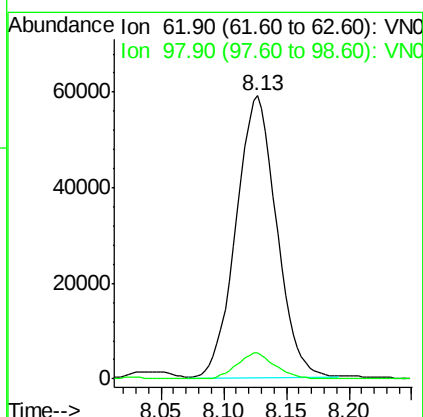
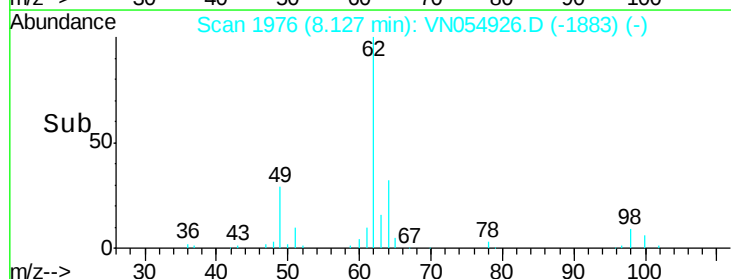
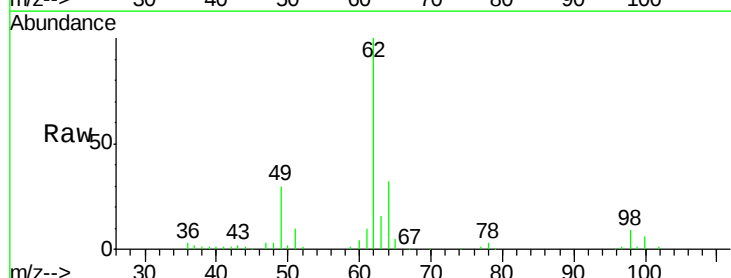
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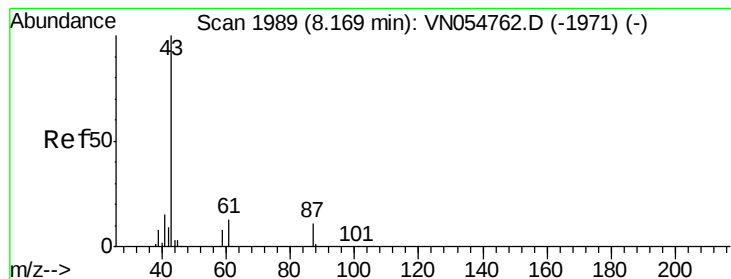
MMDadoda
4/4/2019 9:30:54 AM



#42
1,2-Dichloroethane
Concen: 20.848 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.4	





#43

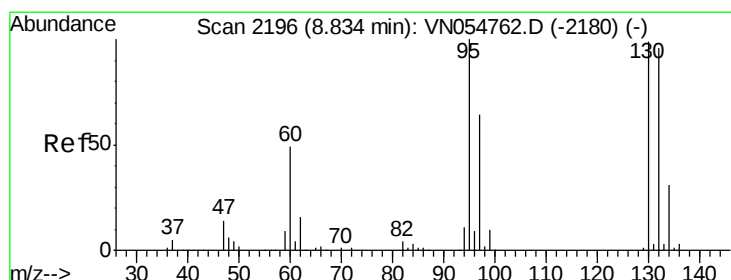
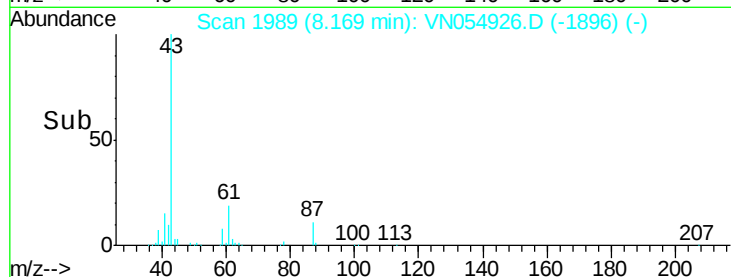
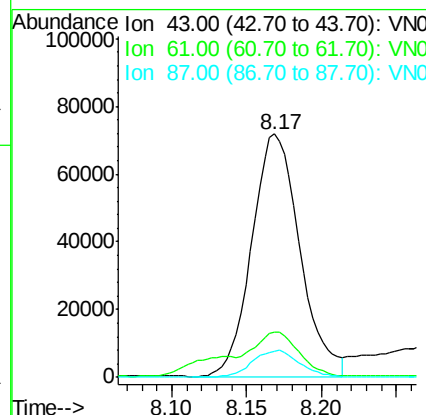
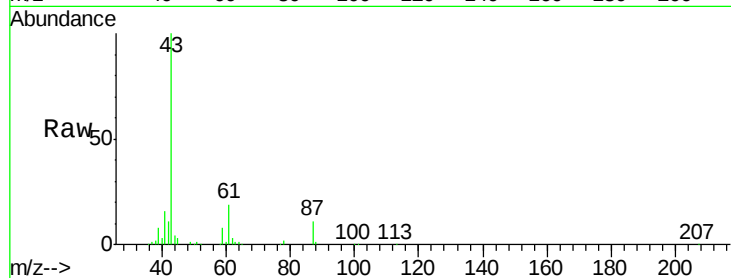
Isopropyl Acetate
 Concen: 21.613 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.8	23.8
87	11.0	12.0	18.0

Manual Integrations
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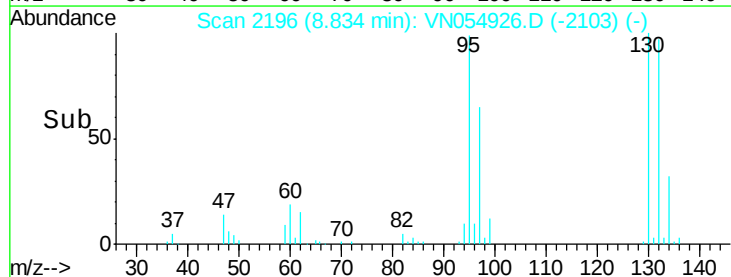
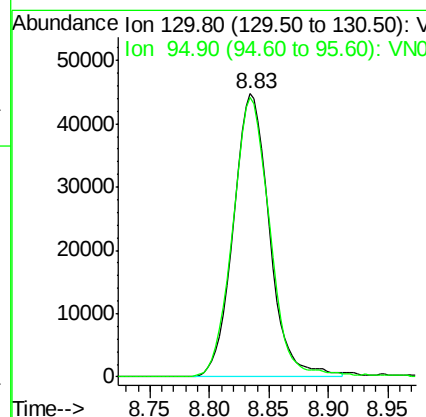
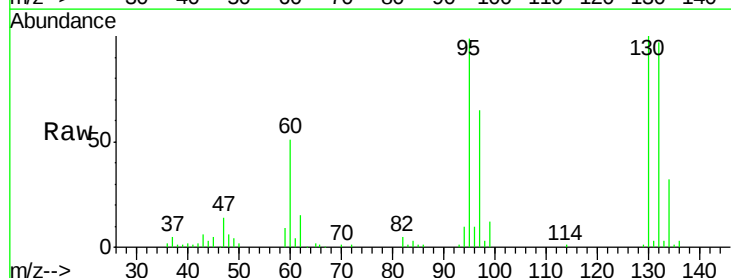
MMDadoda
 4/4/2019 9:30:54 AM

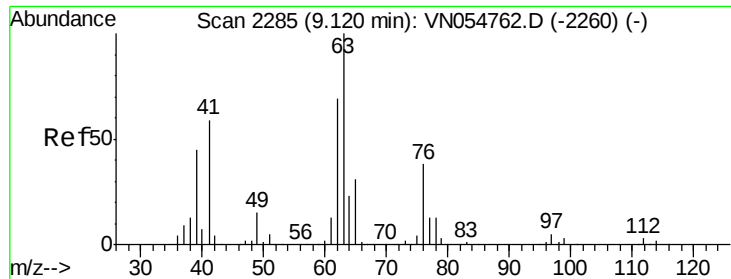


#44

Trichloroethene
 Concen: 20.330 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	185.2





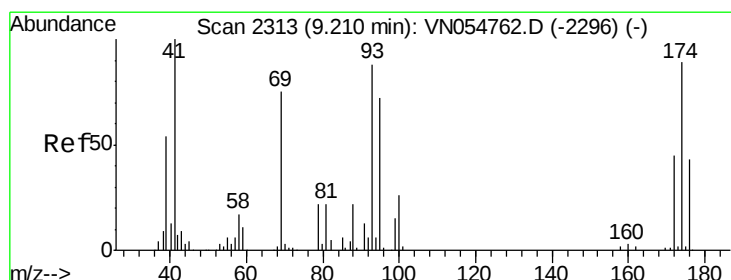
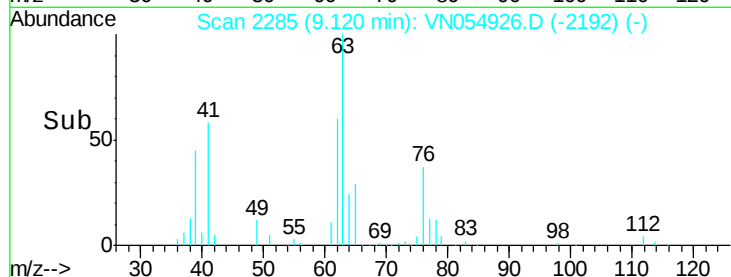
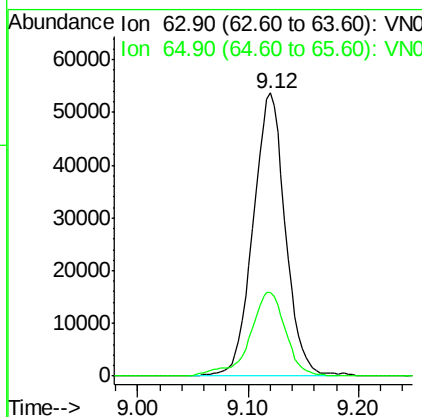
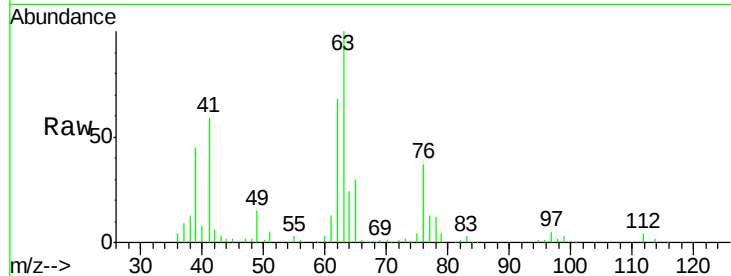
#45
 1,2-Dichloropropane
 Concen: 21.463 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403WBSD01

Tot Ion: 63 Resp: 108999
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.6

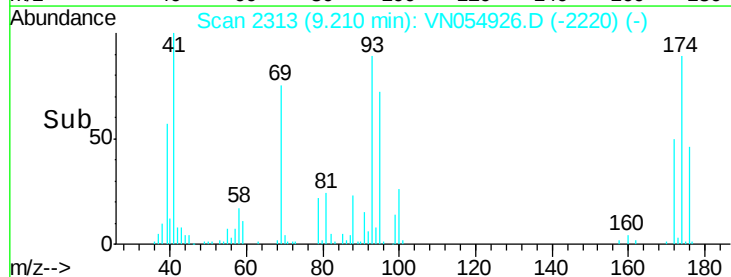
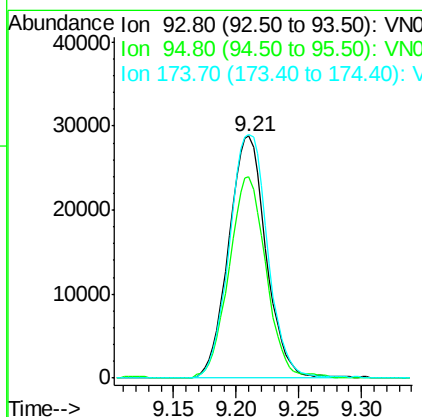
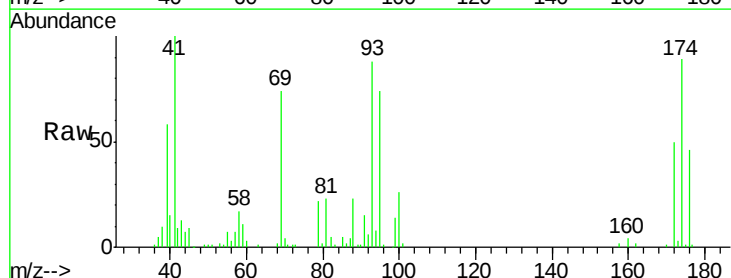
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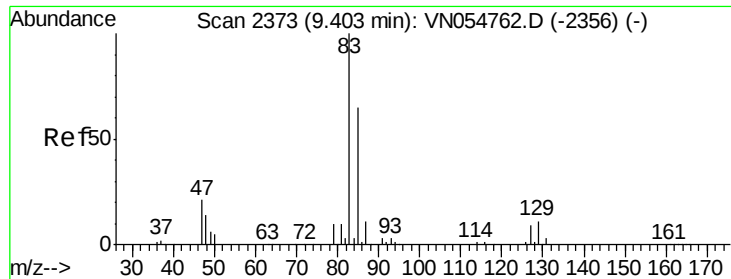
MMDadoda
 4/4/2019 9:30:54 AM



#46
 Dibromomethane
 Concen: 20.920 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Tgt Ion: 93 Resp: 59764
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.7 100.1
 174 103.1 98.5 147.7





#47

Bromodichloromethane

Concen: 21.001 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

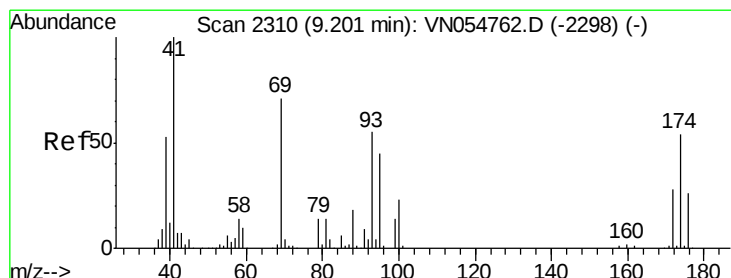
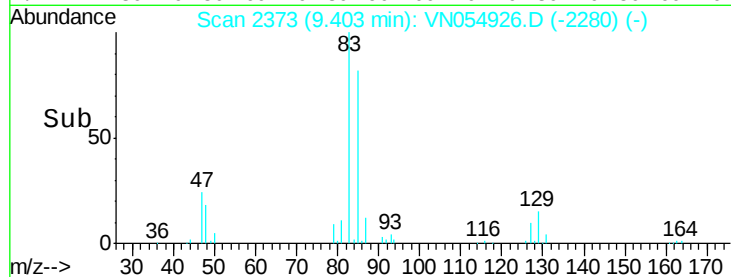
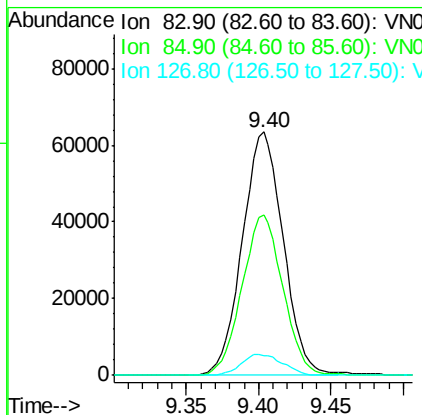
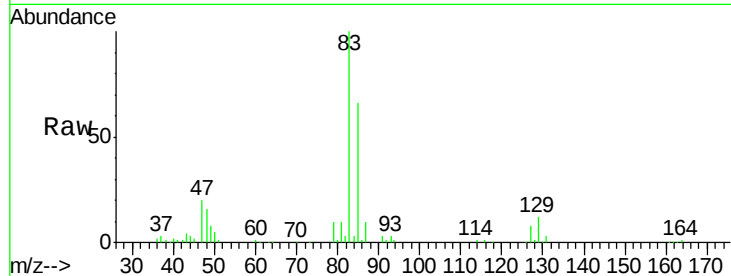
ClientSampleId :

VN0403WBSD01

Tot Ion:	83	Resp:	124690
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.8	79.2
127	8.2	7.4	11.2

Manual Integrations
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MMDadoda
4/4/2019 9:30:54 AM



#48

Methyl methacrylate

Concen: 20.147 ug/l

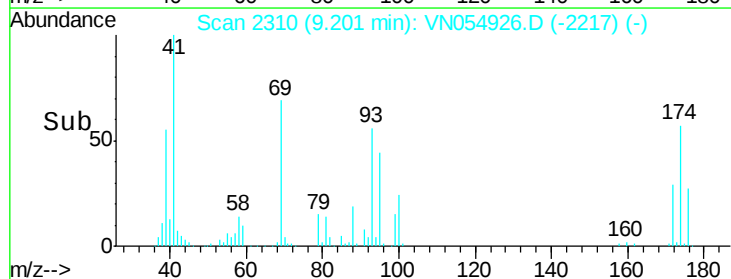
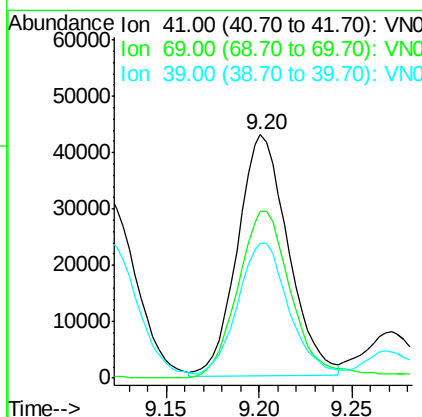
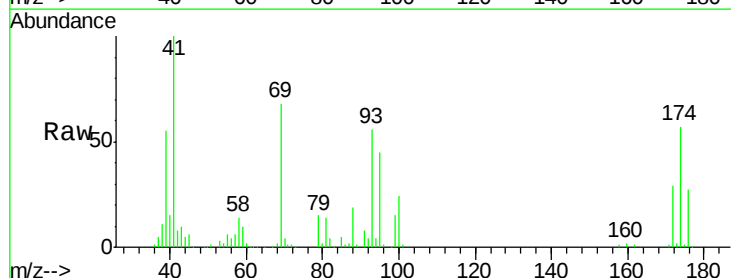
RT: 9.20 min Scan# 2310

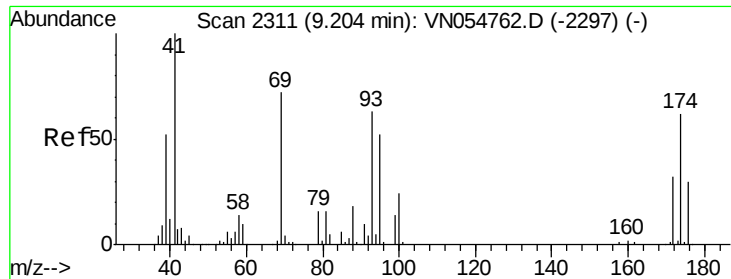
Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Tgt Ion:	41	Resp:	81001
Ion	Ratio	Lower	Upper
41	100		
69	75.7	72.6	108.8
39	56.3	47.5	71.3





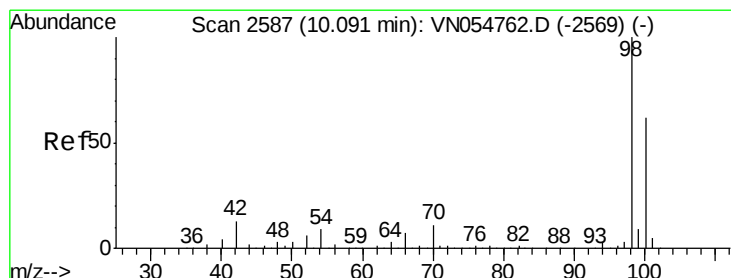
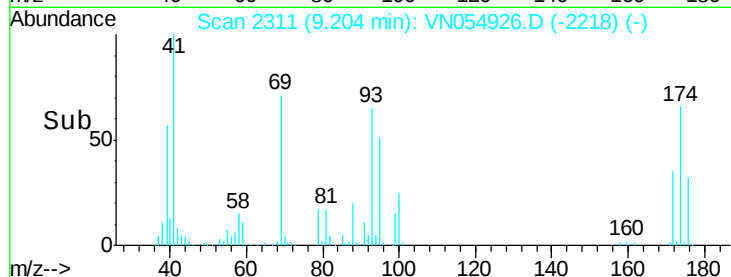
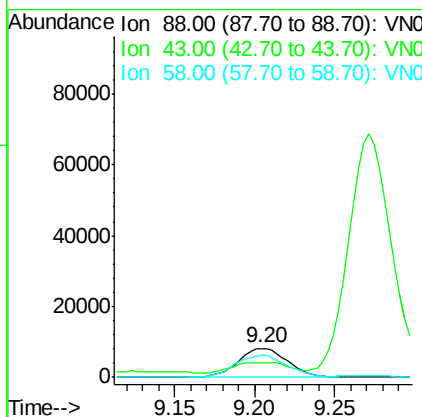
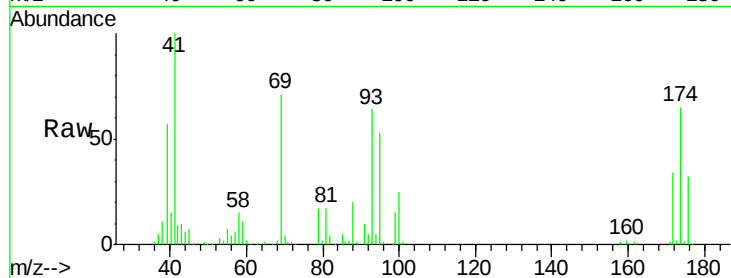
#49
1,4-Dioxane
Concen: 435.457 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	88	Resp	17371
Ion	Ratio	Lower	Upper
88	100		
43	39.0	24.1	36.1#
58	79.6	50.8	76.2#

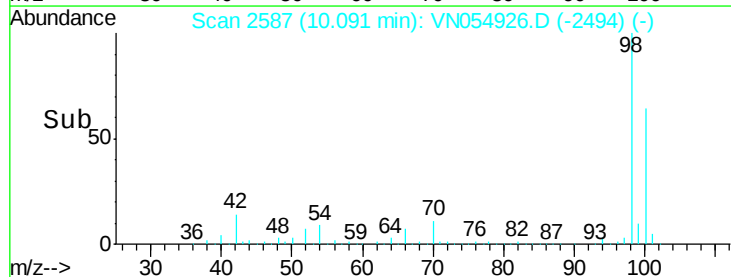
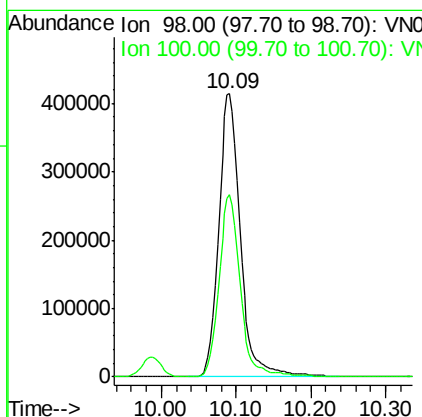
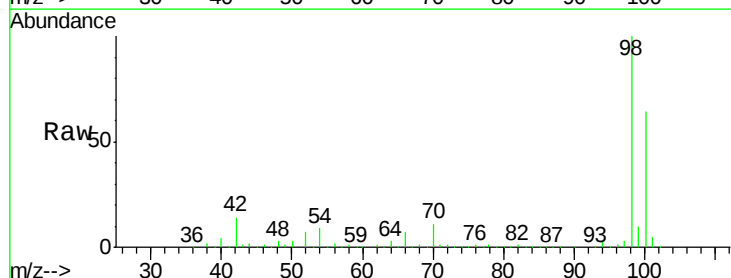
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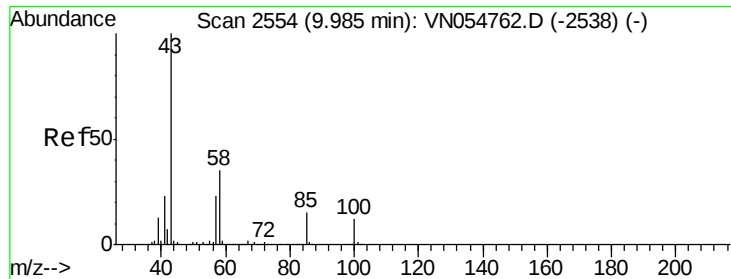
MMDadoda
4/4/2019 9:30:54 AM



#50
Toluene-d8
Concen: 50.067 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	98	Resp	828961
Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.2	76.8





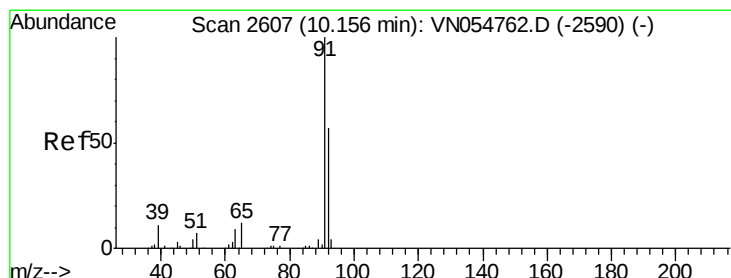
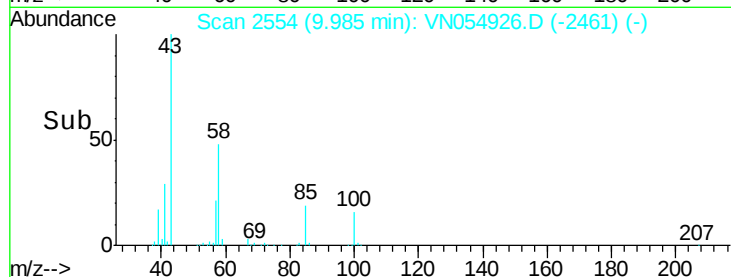
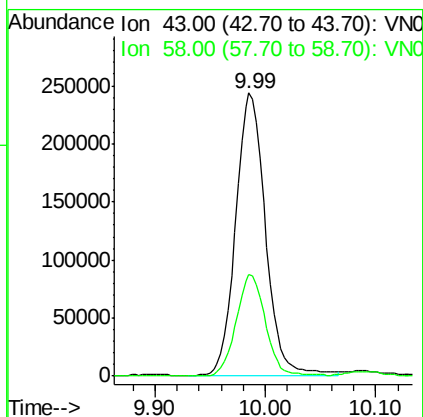
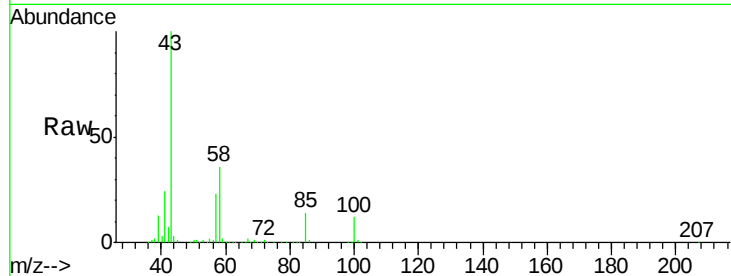
#51
 4-Methyl-2-Pentanone
 Concen: 108.576 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403WBSD01

Tot Ion	43	Resp	452746
Ion Ratio	100	Lower	Upper
43	100		
58	35.8	31.8	47.6

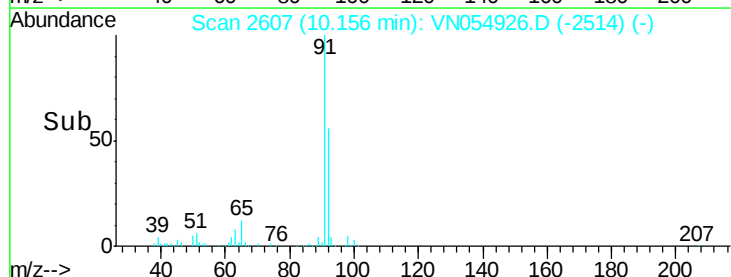
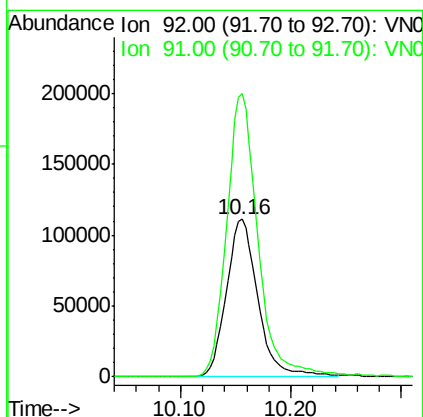
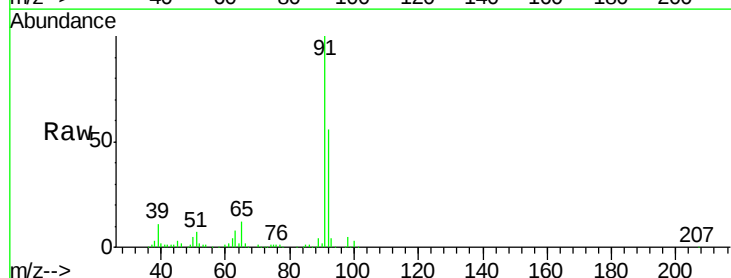
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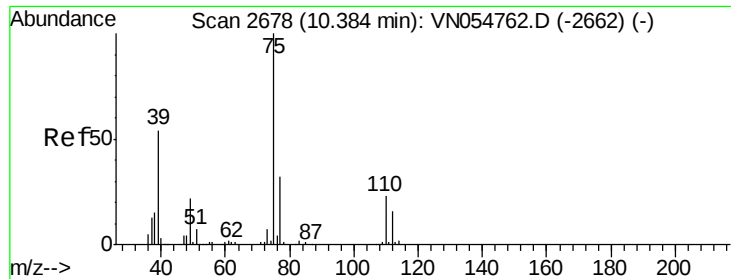
MMDadoda
 4/4/2019 9:30:54 AM



#52
 Toluene
 Concen: 20.827 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Tgt Ion	92	Resp	220727
Ion Ratio	100	Lower	Upper
92	100		
91	178.8	140.7	211.1





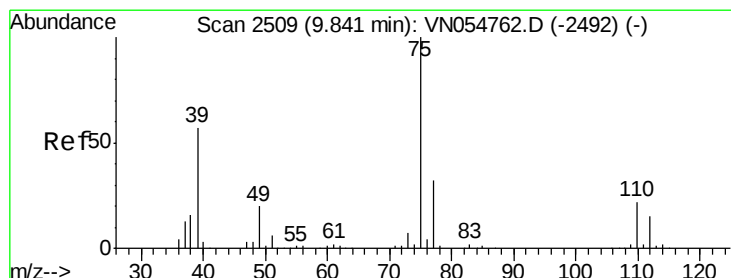
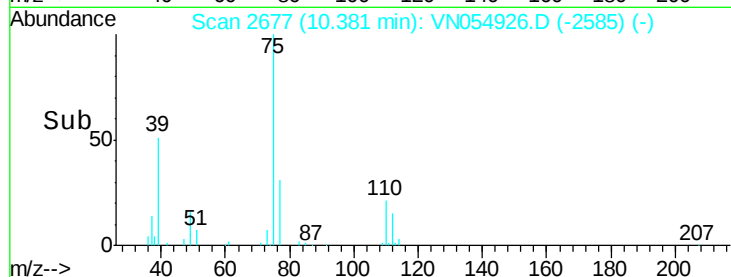
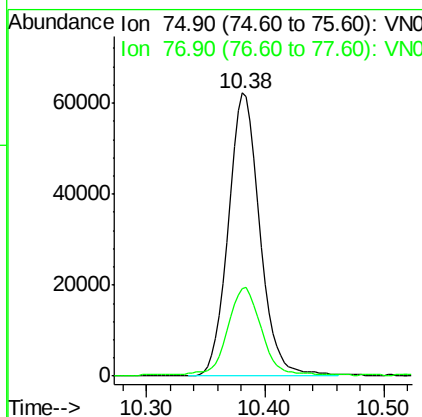
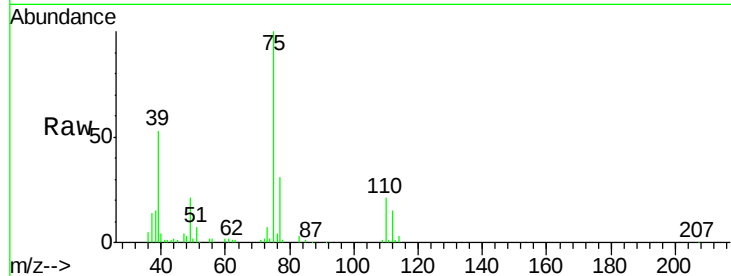
#53
t-1,3-Dichloropropene
Concen: 20.507 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion: 75 Resp: 114533
Ion Ratio Lower Upper
75 100
77 30.3 25.8 38.8

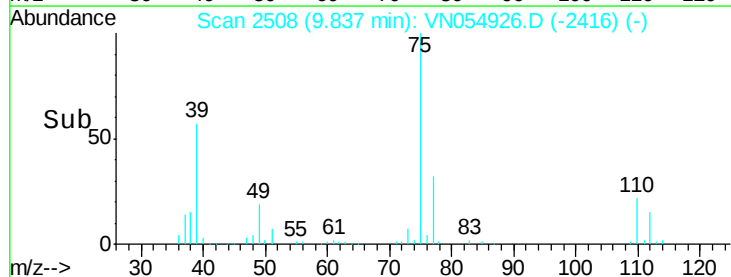
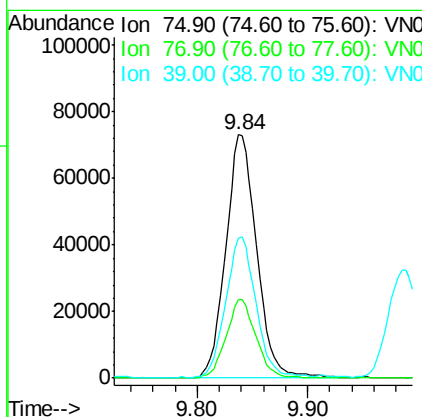
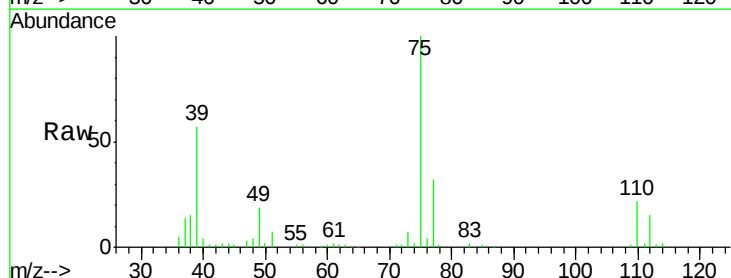
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#54
cis-1,3-Dichloropropene
Concen: 21.275 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion: 75 Resp: 141942
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0
39 57.1 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 20.988 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

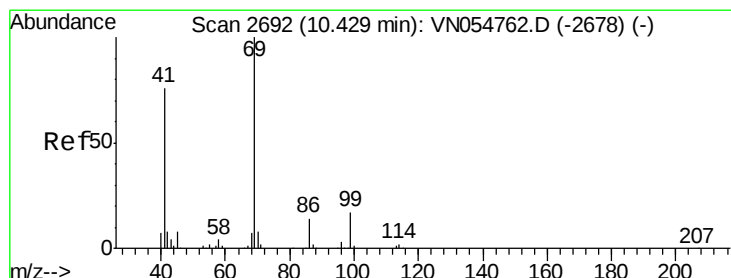
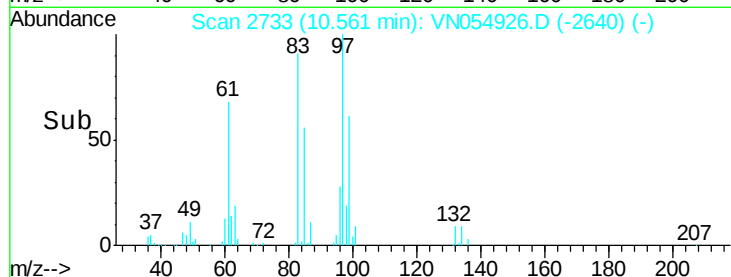
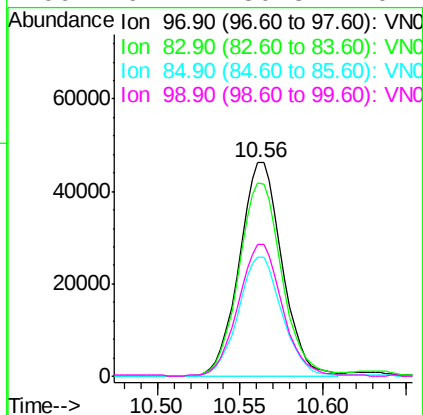
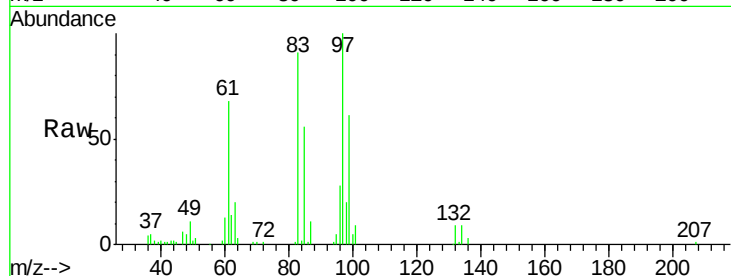
ClientSampleId :

VN0403WBSD01

Tot Ion:	97	Resp:	82709
Ion	Ratio	Lower	Upper
97	100		
83	90.7	66.6	100.0
85	55.8	44.4	66.6
99	61.1	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.086 ug/l

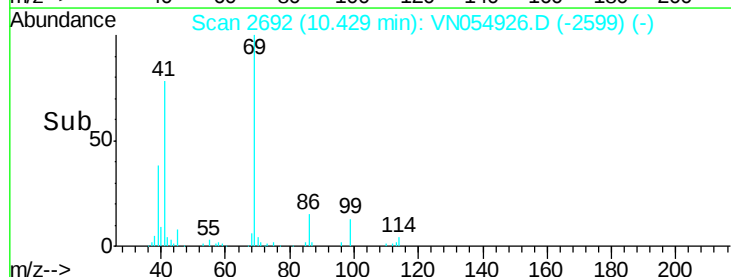
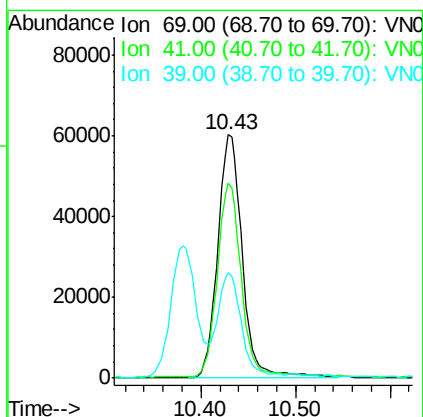
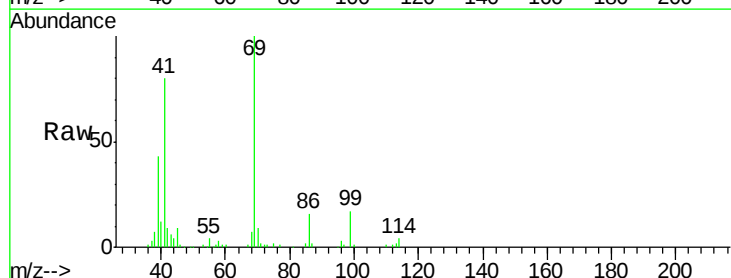
RT: 10.43 min Scan# 2692

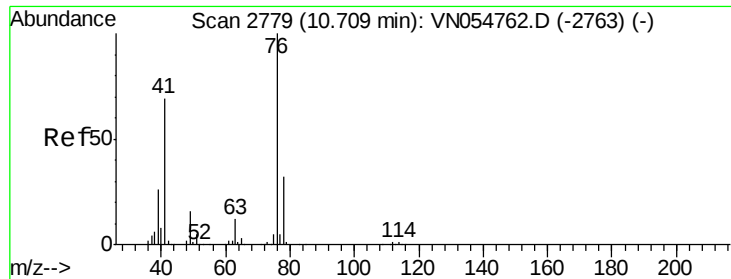
Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Tgt Ion:	69	Resp:	109001
Ion	Ratio	Lower	Upper
69	100		
41	76.0	49.4	74.2#
39	40.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 22.063 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0403WBSD01

Tot Ion: 76 Resp: 149474

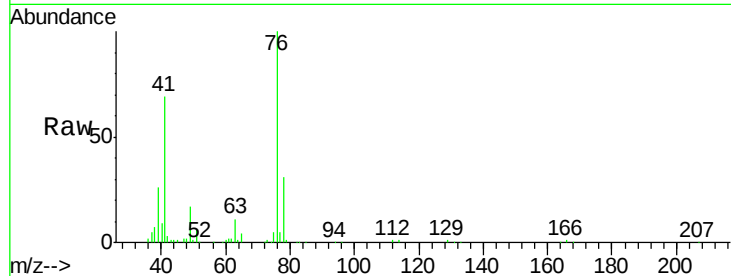
Ion Ratio Lower Upper

76 100

78 30.8 25.7 38.5

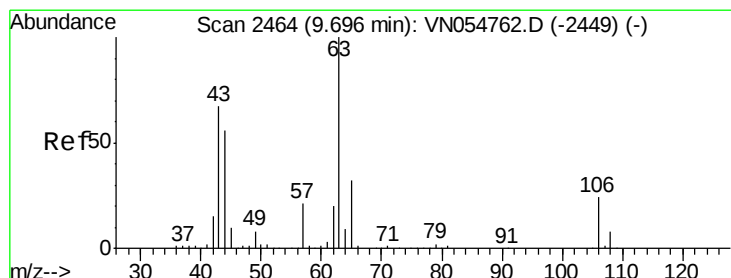
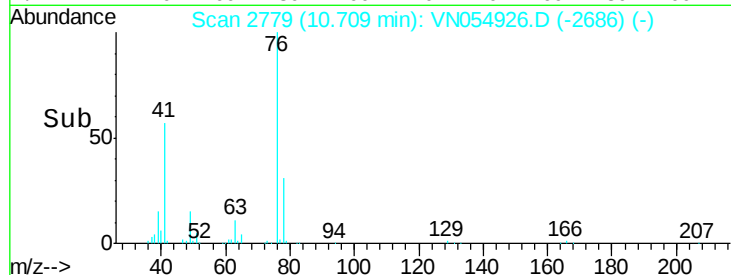
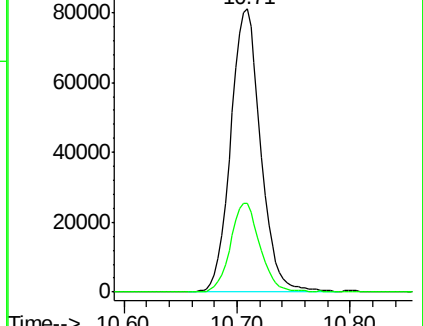
Manual Integrations
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4/4/2019 9:30:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 103.012 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054926.D

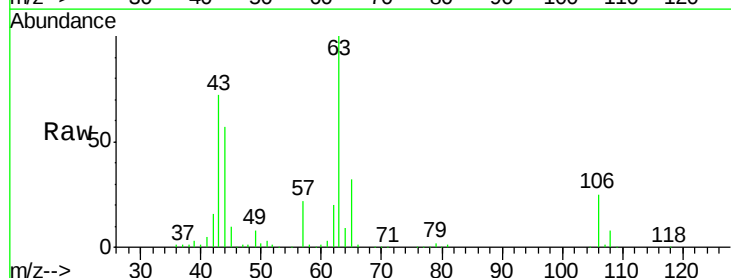
Acq: 3 Apr 2019 15:07

Tgt Ion: 63 Resp: 215241

Ion Ratio Lower Upper

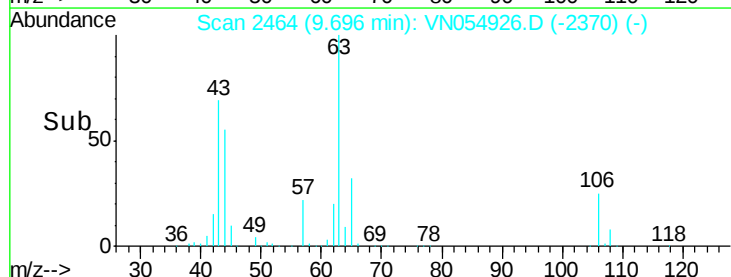
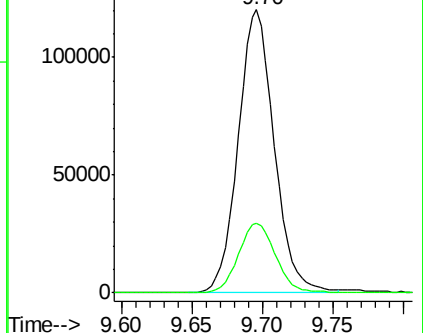
63 100

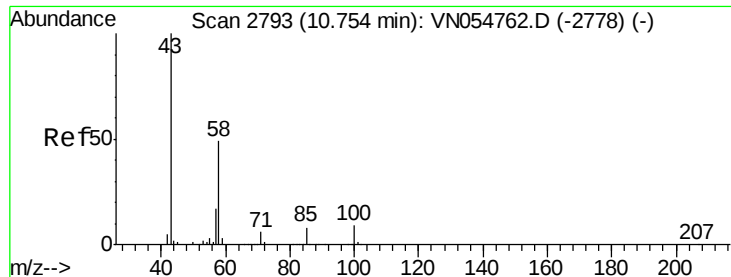
106 25.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





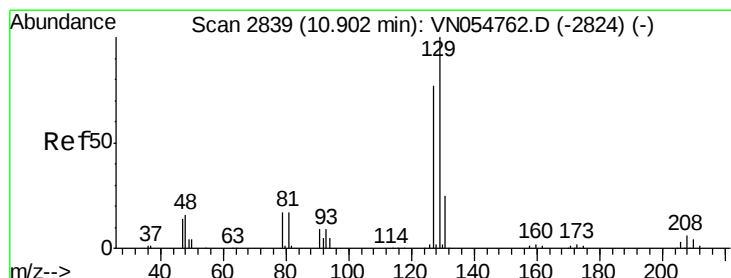
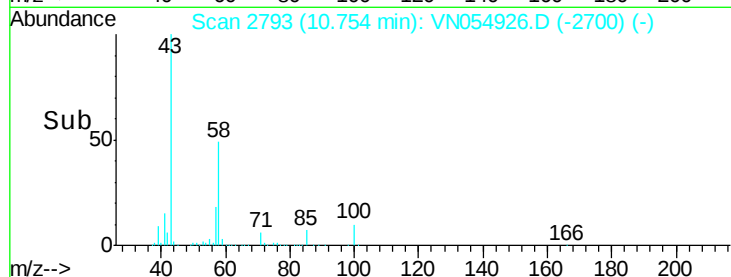
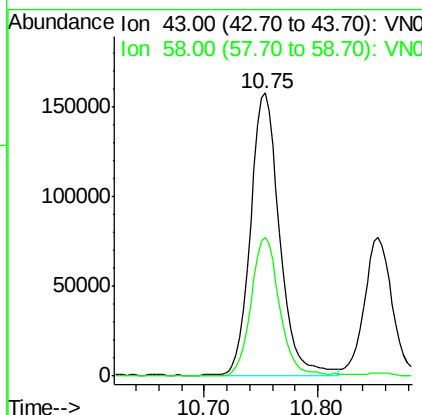
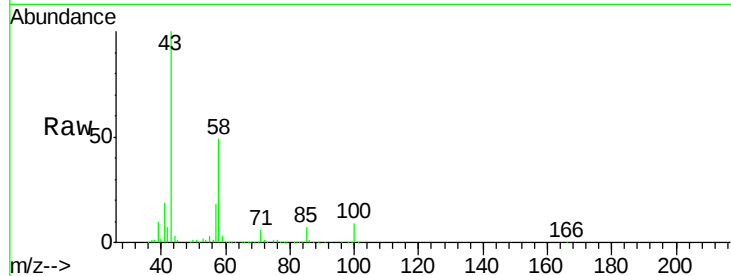
#59
2-Hexanone
Concen: 105.064 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	43	Resp	280456
Ion Ratio	100	Lower	Upper
43	100		
58	48.1	28.0	83.9

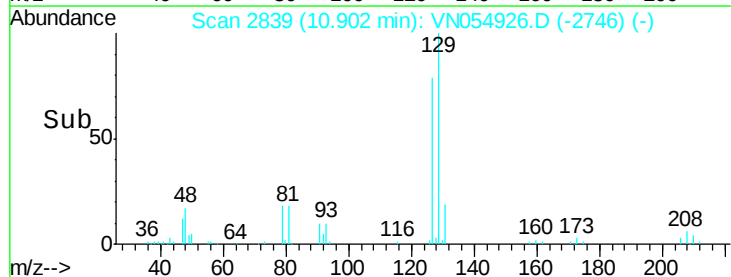
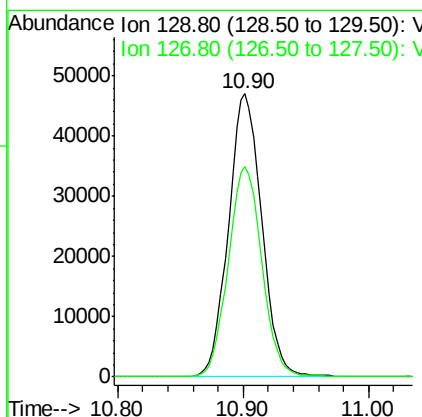
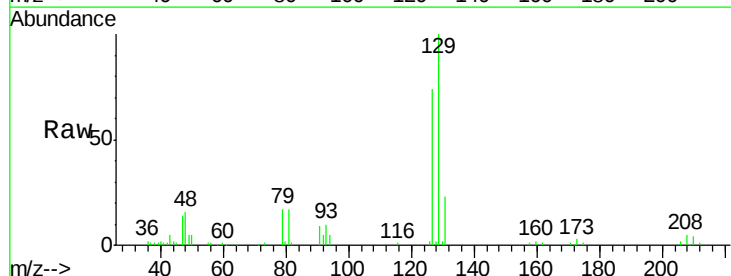
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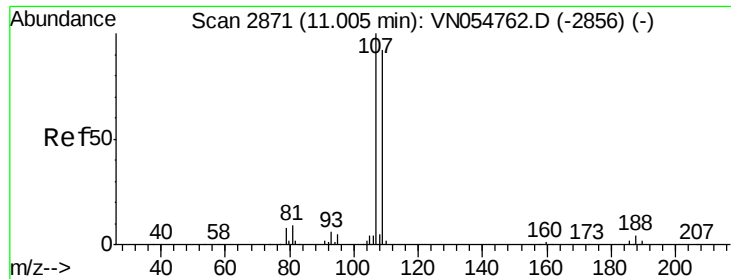
MMDadoda
4/4/2019 9:30:54 AM



#60
Dibromochloromethane
Concen: 21.727 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	129	Resp	86729
Ion Ratio	100	Lower	Upper
129	100		
127	75.1	38.6	115.8





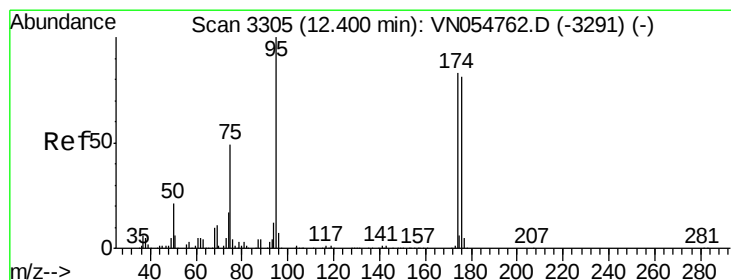
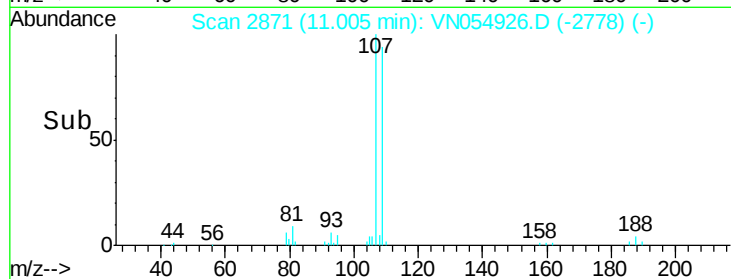
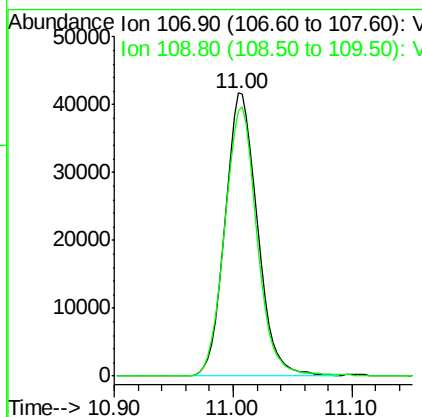
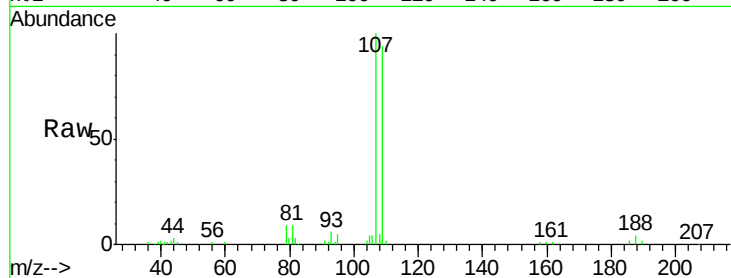
#61
 1,2-Dibromoethane
 Concen: 20.924 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403WBSD01

Tot Ion:107 Resp: 78797
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.9 113.9

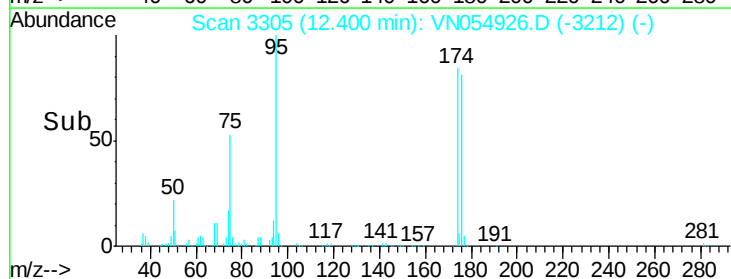
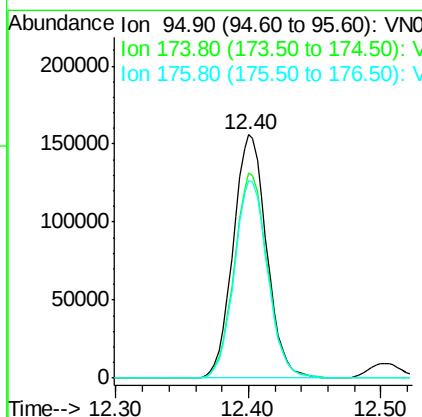
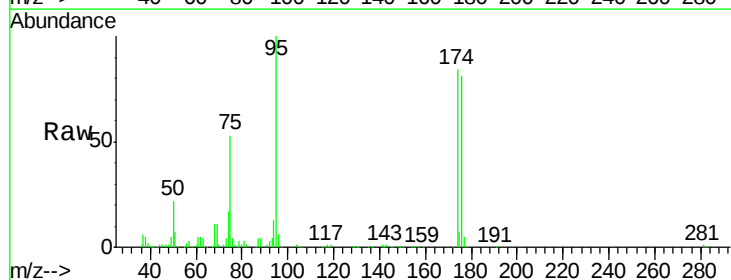
Manual Integrations
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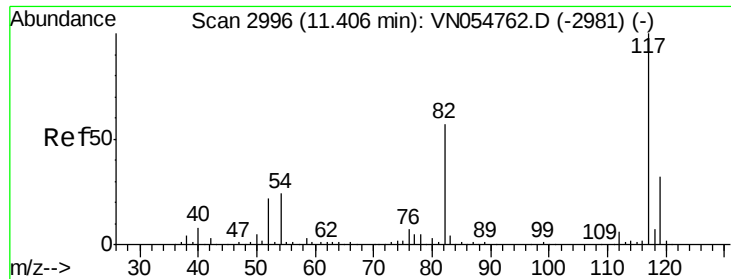
MMDadoda
 4/4/2019 9:30:54 AM



#62
 4-Bromofluorobenzene
 Concen: 49.542 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Tgt Ion: 95 Resp: 272803
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 191.0
 176 81.0 0.0 187.4





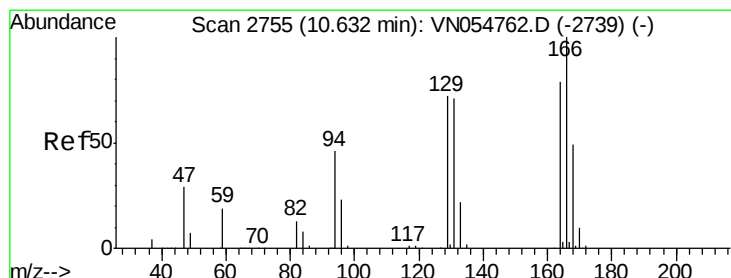
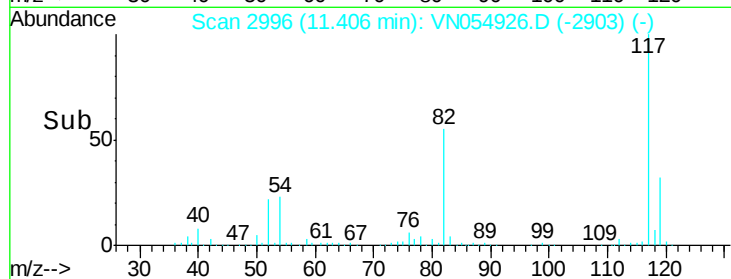
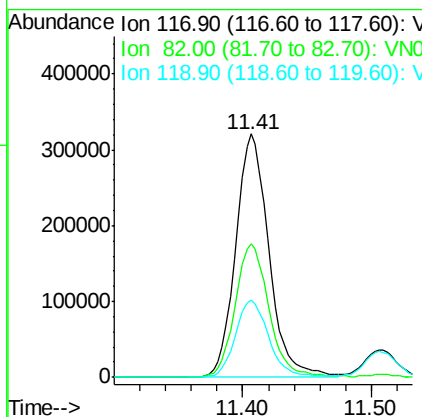
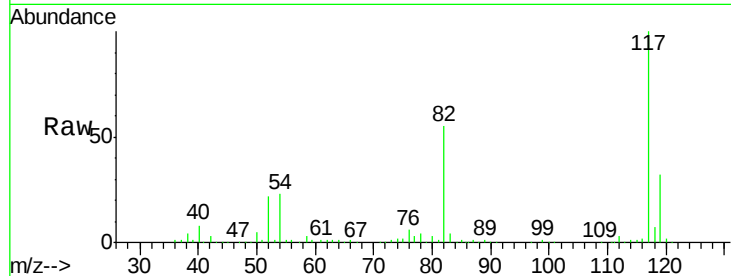
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	40.0	60.0
119	31.8	25.8	38.6

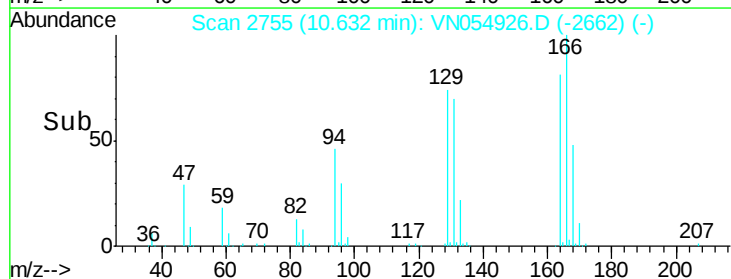
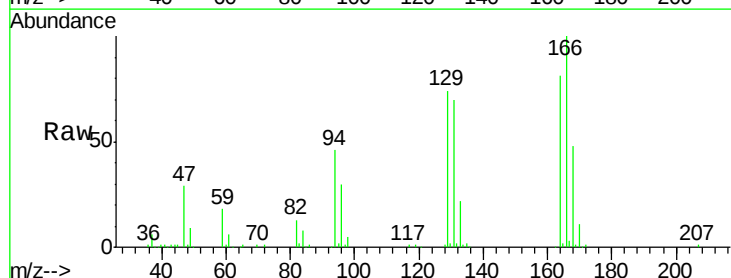
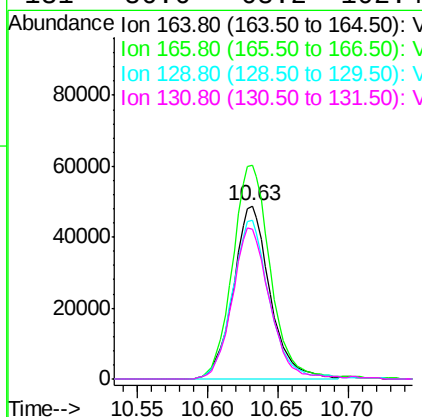
Manual Integrations
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#64
Tetrachloroethene
Concen: 20.114 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	103.9	155.9
129	91.9	71.1	106.7
131	86.6	68.2	102.4





#65

Chlorobenzene

Concen: 20.496 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0403WBSD01

Tot Ion:112 Resp: 231093

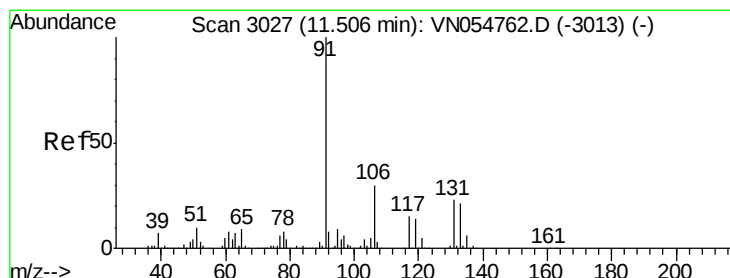
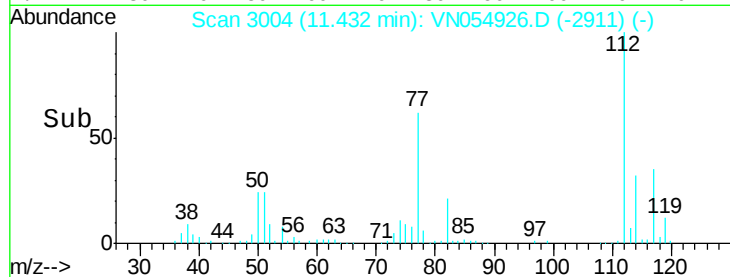
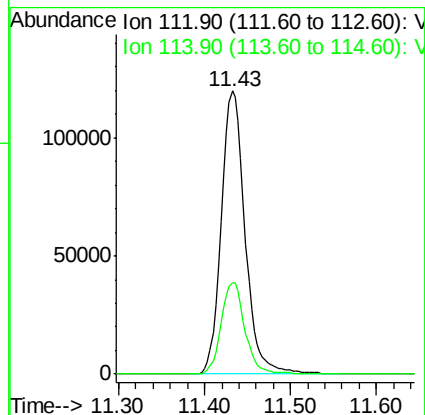
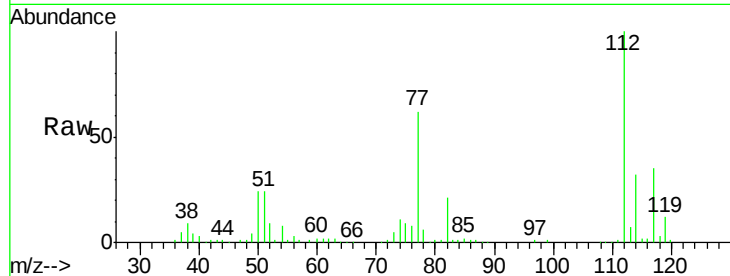
Ion Ratio Lower Upper

112 100

114 32.3 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.188 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

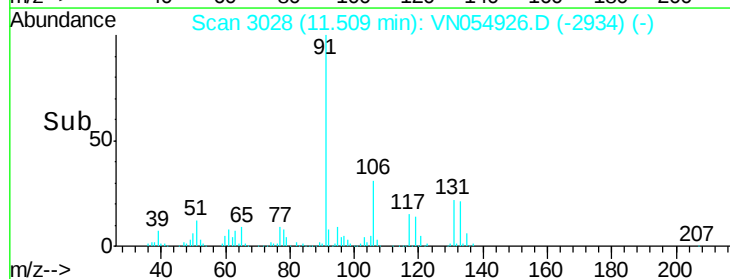
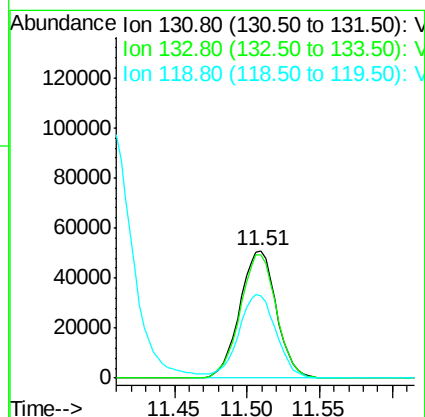
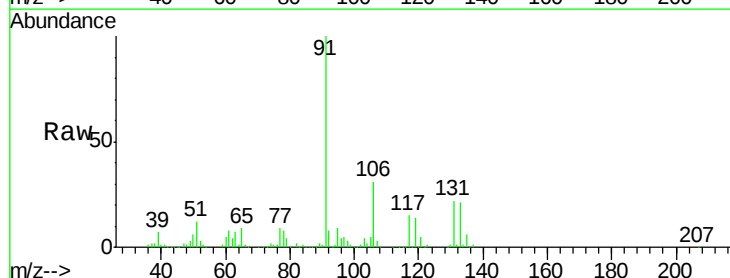
Tgt Ion:131 Resp: 89419

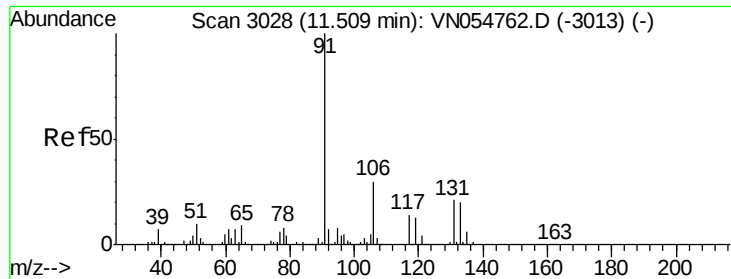
Ion Ratio Lower Upper

131 100

133 96.0 47.6 142.9

119 67.1 32.4 97.0





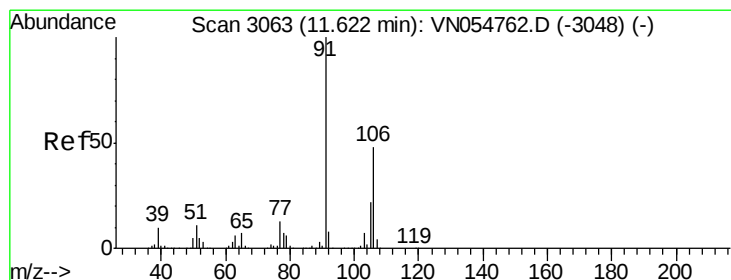
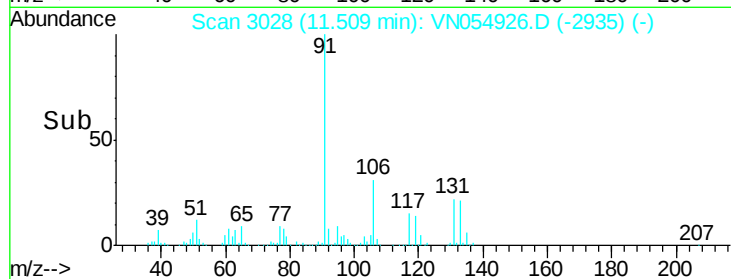
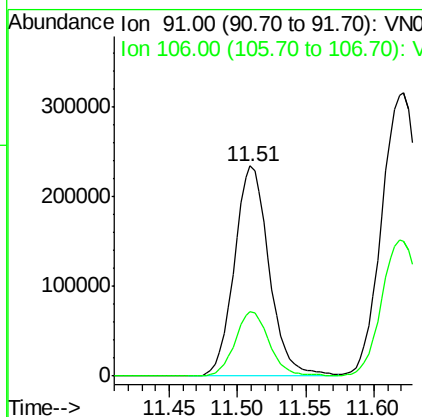
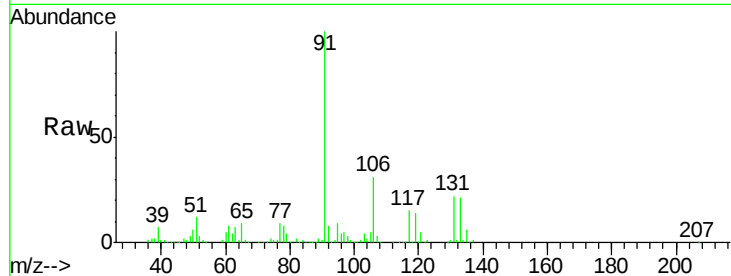
#67
Ethyl Benzene
Concen: 20.376 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VN0403WBSD01

Tot Ion: 91 Resp: 414581
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3

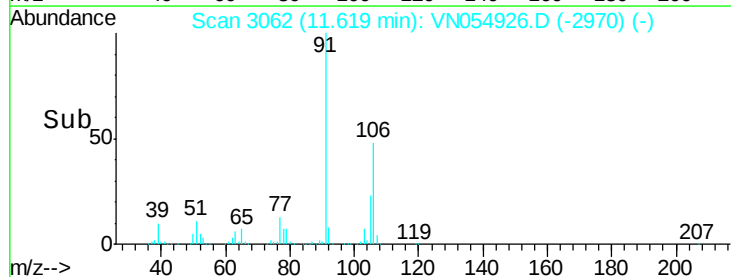
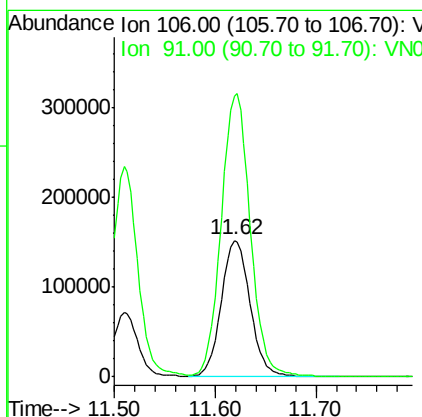
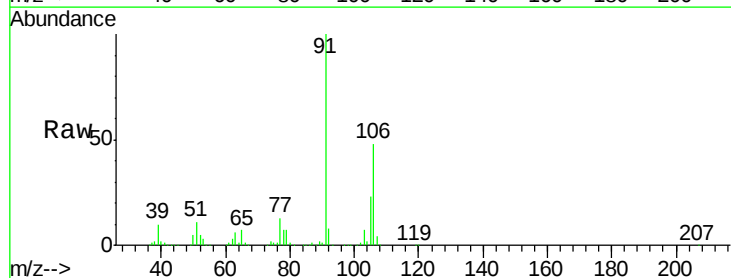
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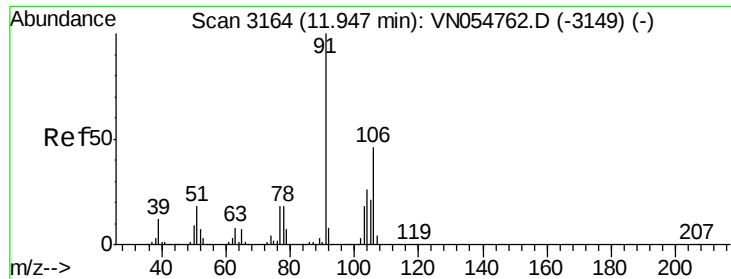
MMDadoda
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#68
m/p-Xylenes
Concen: 40.713 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion: 106 Resp: 306551
Ion Ratio Lower Upper
106 100
91 208.5 159.4 239.2





#69

o-Xylene

Concen: 20.433 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0403WBSD01

Tot Ion:106 Resp: 150865

Ion Ratio Lower Upper

106 100

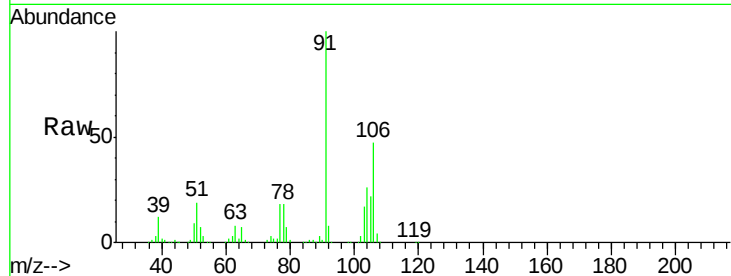
91 220.2 105.7 317.1

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

200000

150000

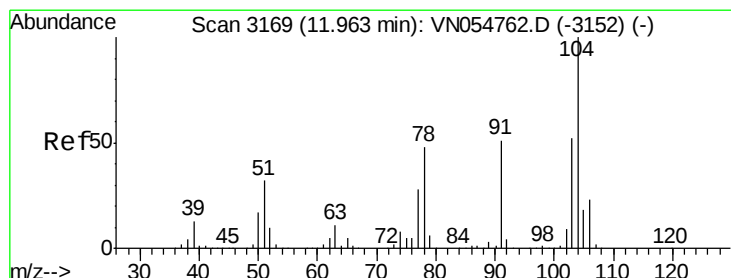
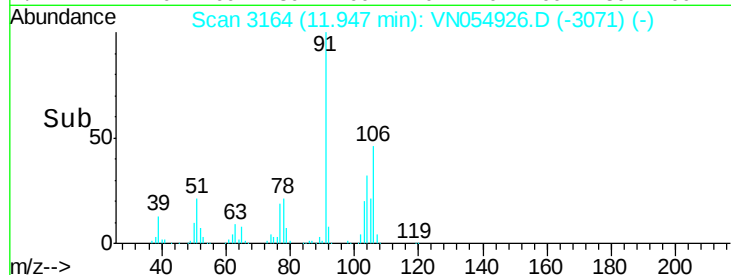
100000

50000

0

11.95

Time-->



#70

Styrene

Concen: 20.900 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

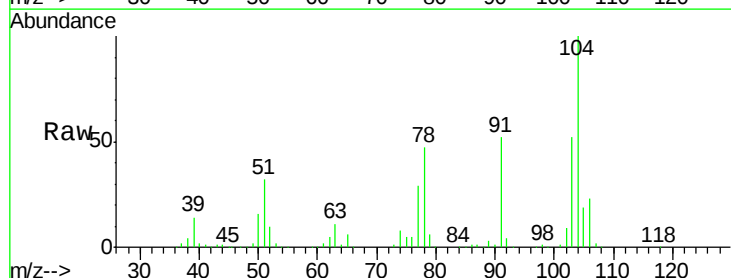
Tgt Ion:104 Resp: 246732

Ion Ratio Lower Upper

104 100

78 52.1 38.2 57.2

103 55.6 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

150000

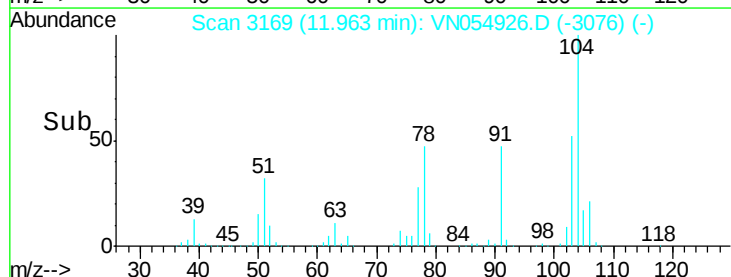
100000

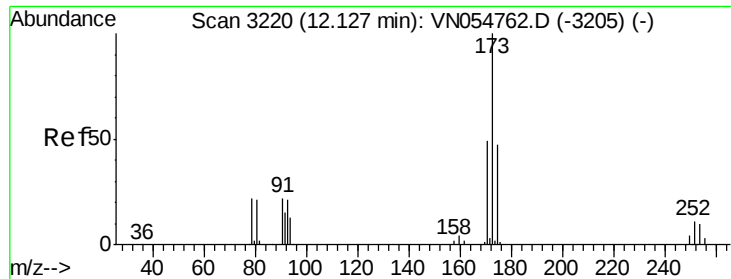
50000

0

11.96

Time-->





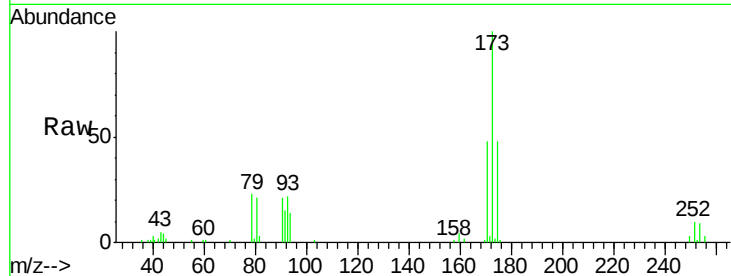
#71
Bromoform
Concen: 20.244 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

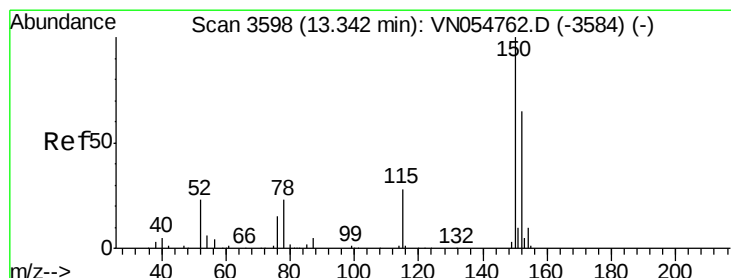
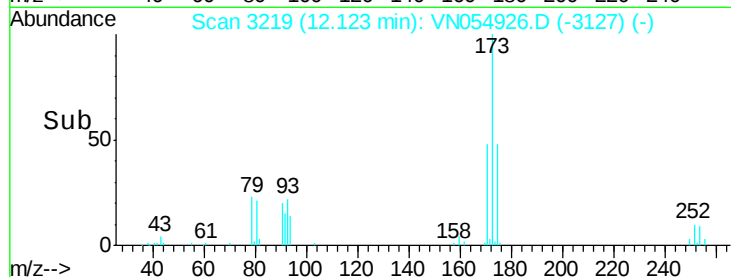
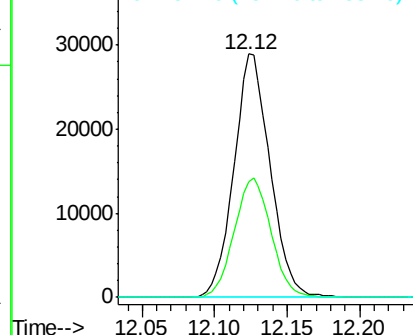
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.2
254	0.0	0.1	0.1#

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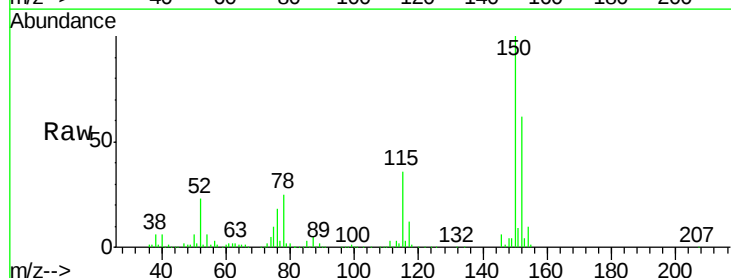


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

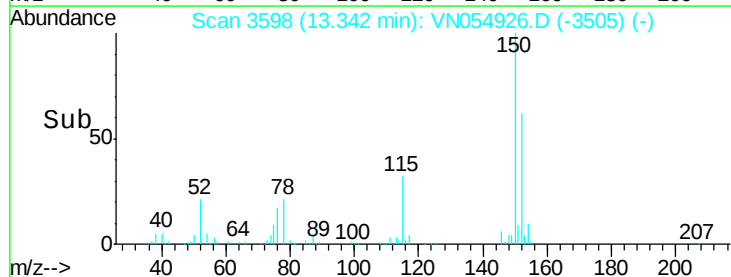
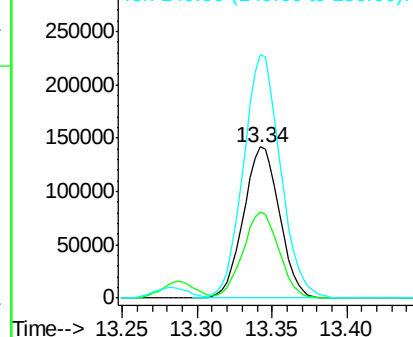


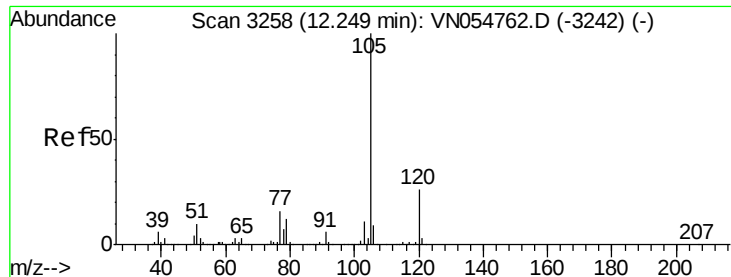
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	27.2	81.6
150	165.7	0.0	349.2



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





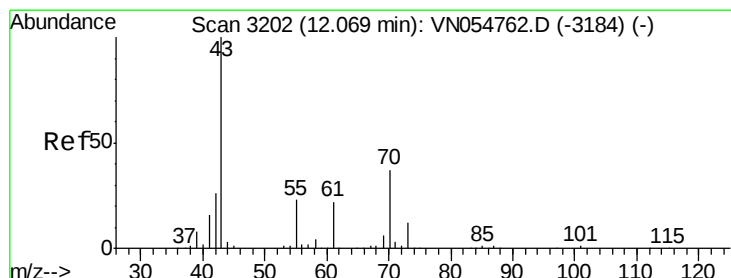
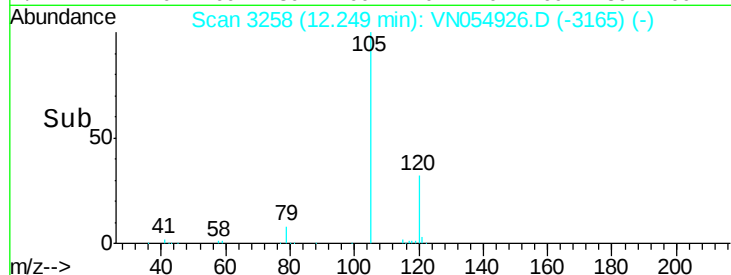
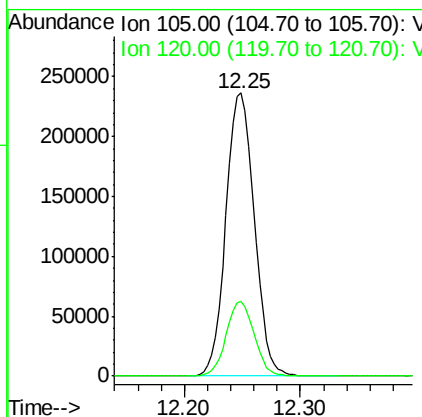
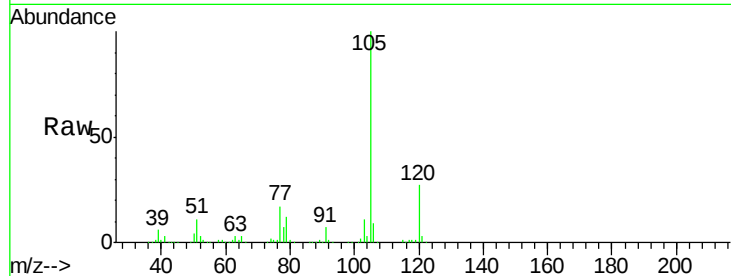
#73
Isopropylbenzene
Concen: 20.674 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.8	41.3

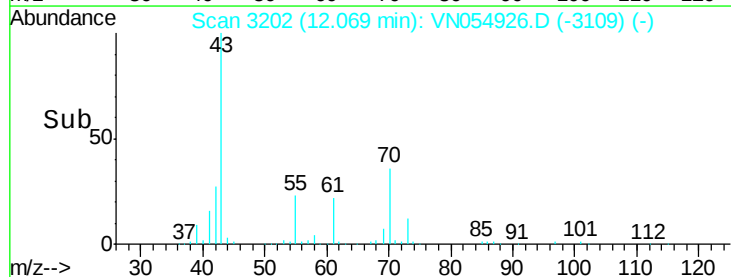
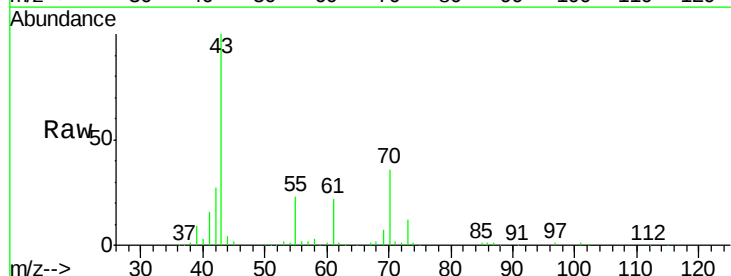
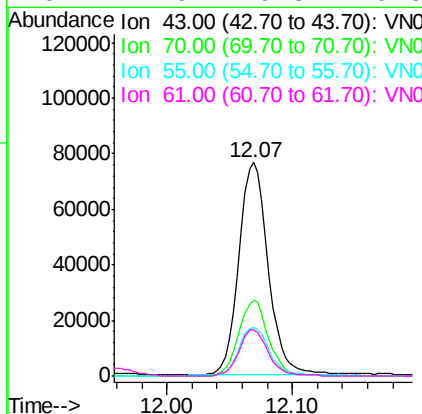
Manual Integrations
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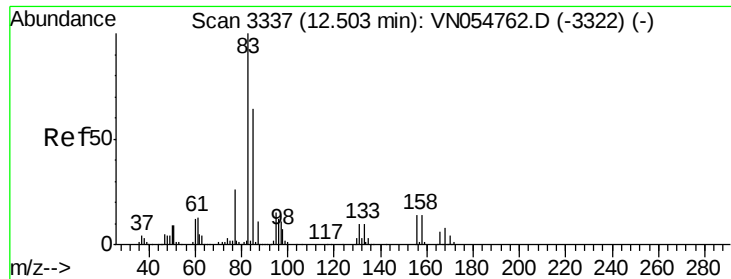
MMDadoda
4/4/2019 9:30:54 AM



#74
N-ethyl acetate
Concen: 20.450 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.4	35.4	53.0
55	24.1	19.8	29.6
61	21.9	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.015 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

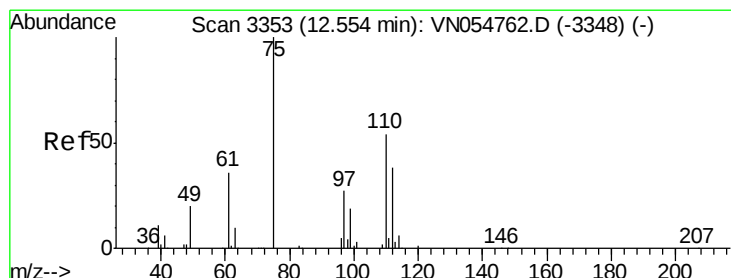
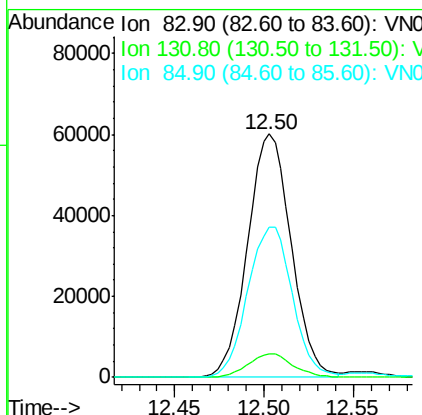
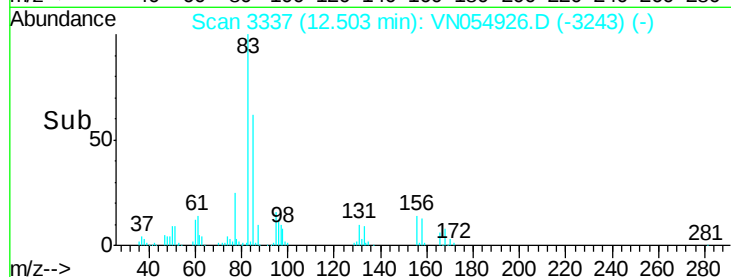
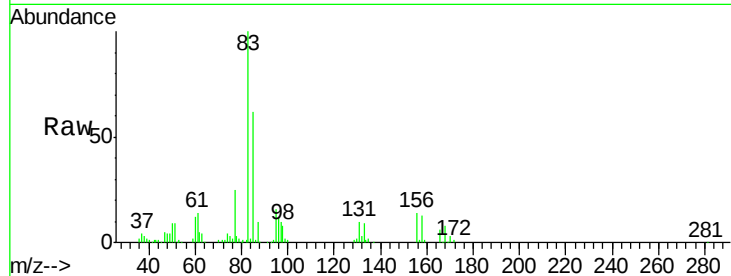
ClientSampleId :

VN0403WBSD01

Tot Ion:	83	Resp:	102720
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	63.3	32.2	96.6

Manual Integrations
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4/4/2019 9:30:54 AM



#76

1,2,3-Trichloropropane

Concen: 21.658 ug/l m

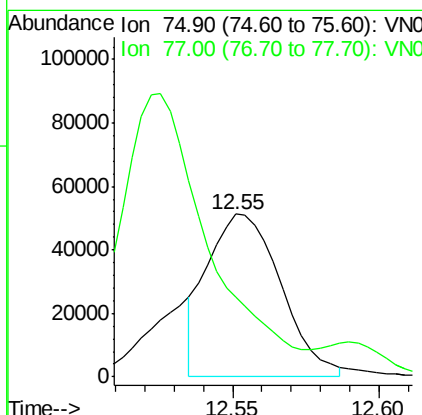
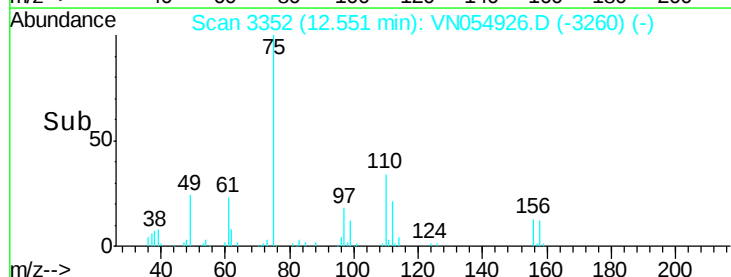
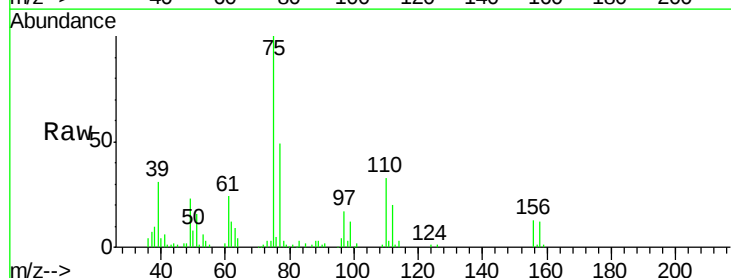
RT: 12.55 min Scan# 3352

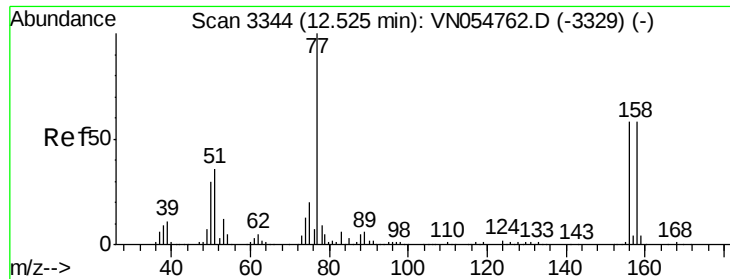
Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Tgt Ion:	75	Resp:	89599
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.036 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

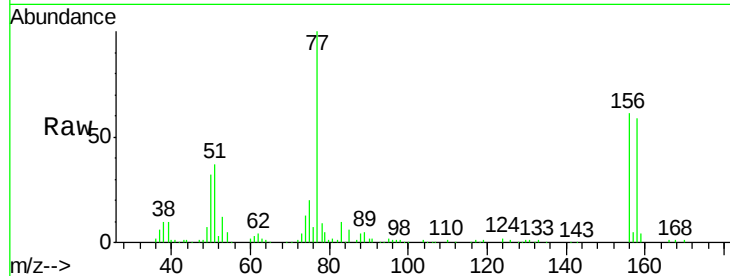
ClientSampleId :

VN0403WBSD01

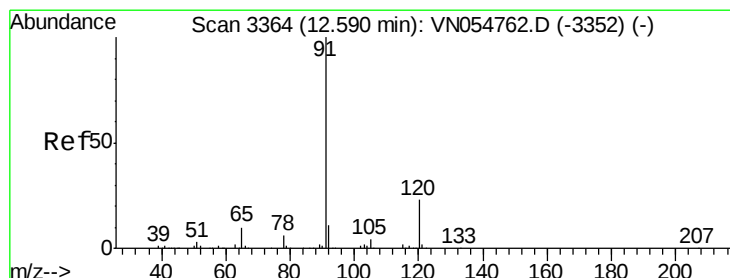
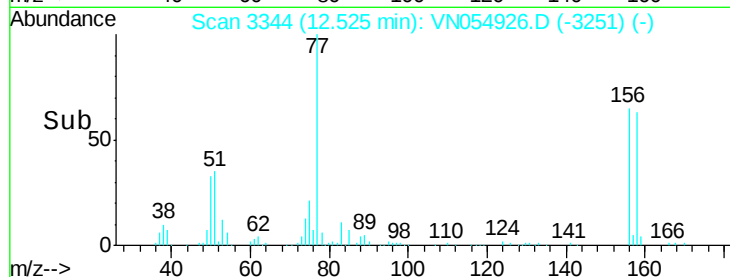
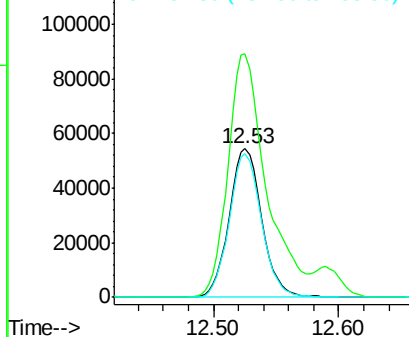
Tot Ion:	156	Resp:	98817
Ion	Ratio	Lower	Upper
156	100		
77	190.7	81.5	244.4
158	95.2	49.0	147.2

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.711 ug/l

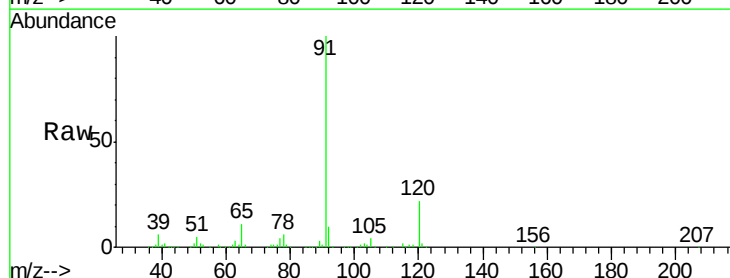
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

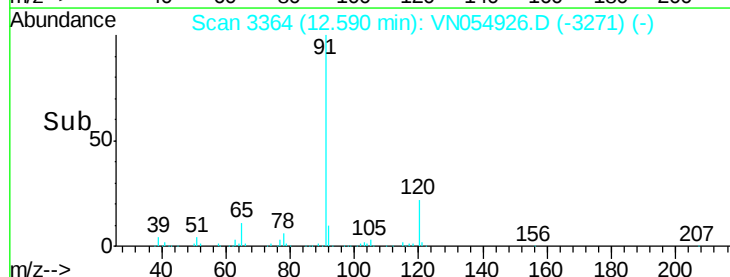
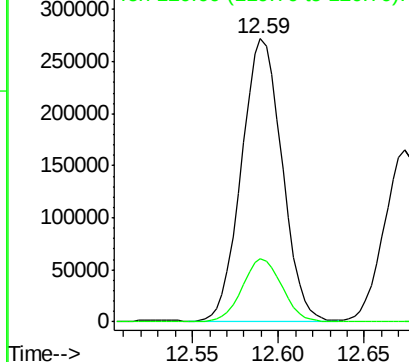
Lab File: VN054926.D

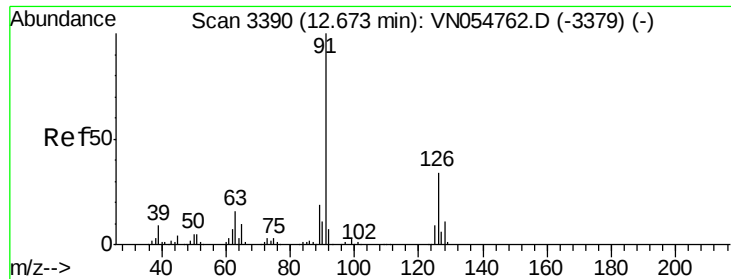
Acq: 3 Apr 2019 15:07

Tgt Ion:	91	Resp:	443066
Ion	Ratio	Lower	Upper
91	100		
120	22.1	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.873 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0403WBSD01

Tot Ion: 91 Resp: 276256

Ion Ratio Lower Upper

91 100

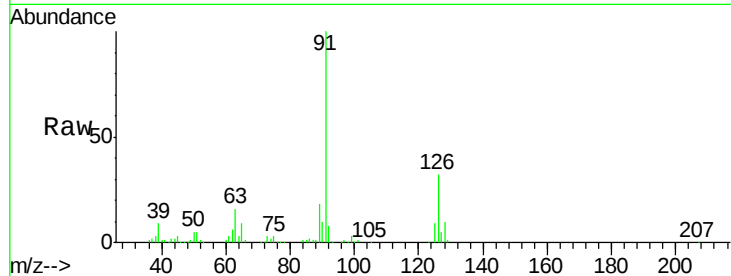
126 33.5 18.7 56.1

Manual Integrations

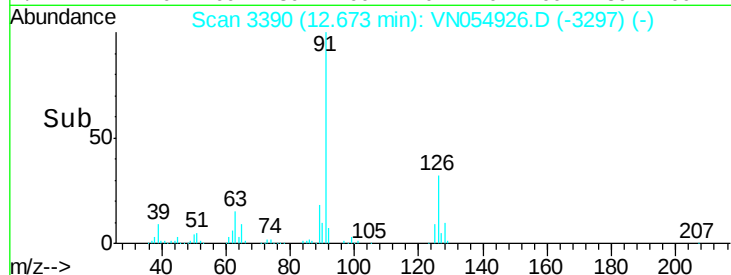
APPROVED

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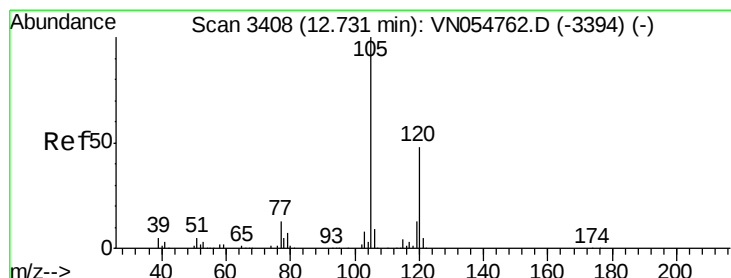
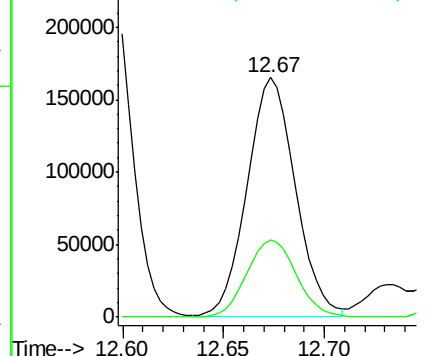
4/4/2019 9:30:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VN054926.D (-3297) (-)



Ion 125.90 (125.60 to 126.60): VN054926.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.873 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054926.D

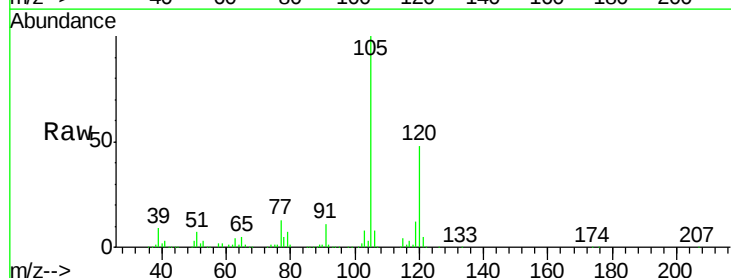
Acq: 3 Apr 2019 15:07

Tgt Ion: 105 Resp: 333359

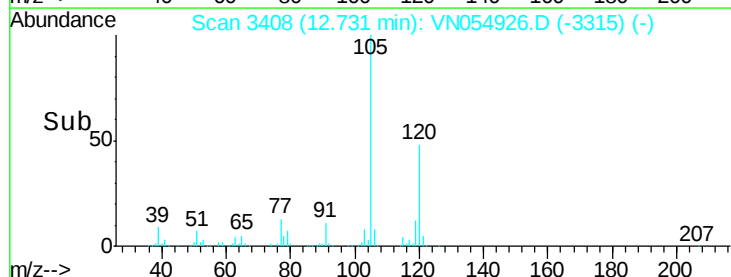
Ion Ratio Lower Upper

105 100

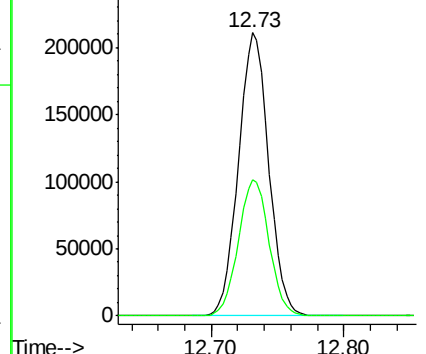
120 49.1 25.0 75.0

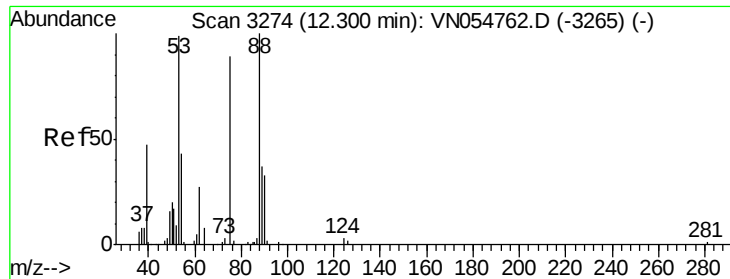


Abundance Ion 105.00 (104.70 to 105.70): VN054926.D (-3315) (-)



Ion 120.00 (119.70 to 120.70): VN054926.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.510 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

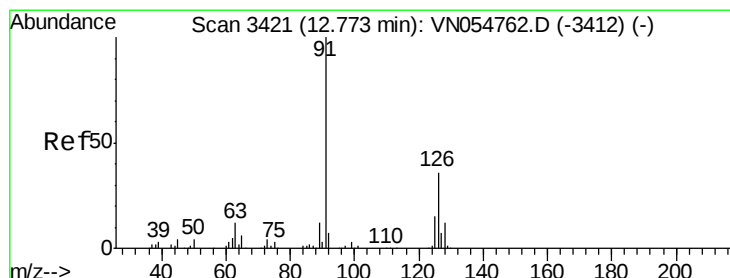
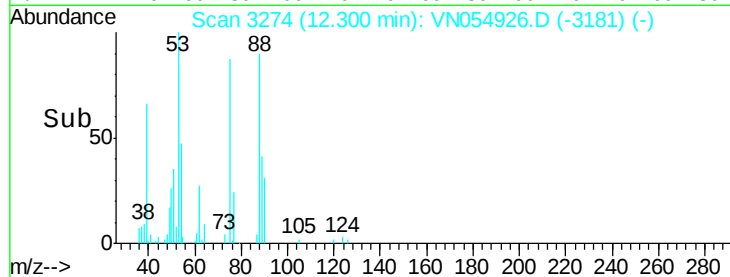
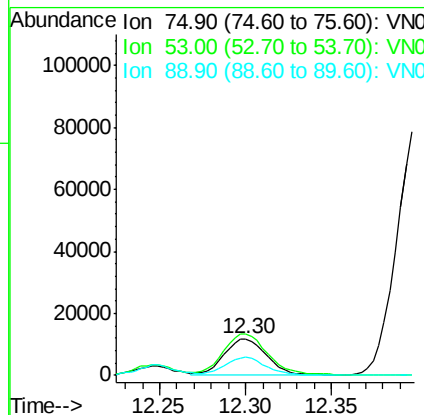
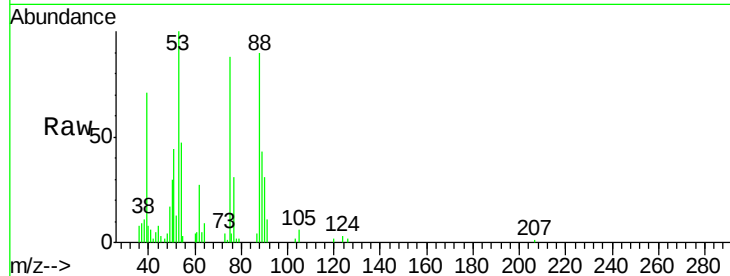
ClientSampled :

VN0403WBSD01

Tot Ion:	75	Resp:	20750
Ion	Ratio	Lower	Upper
75	100		
53	112.3	76.2	114.2
89	47.2	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.298 ug/l

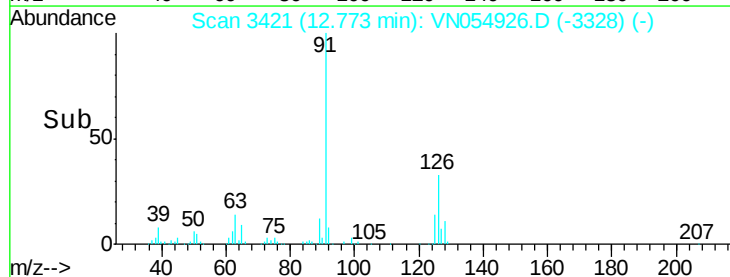
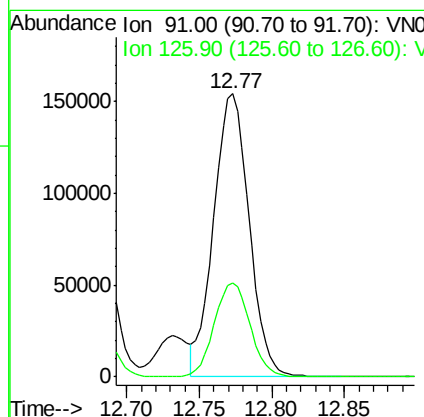
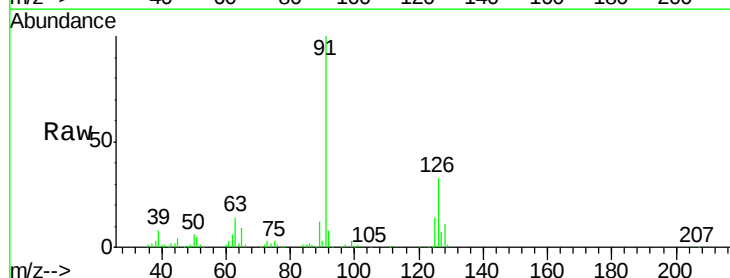
RT: 12.77 min Scan# 3421

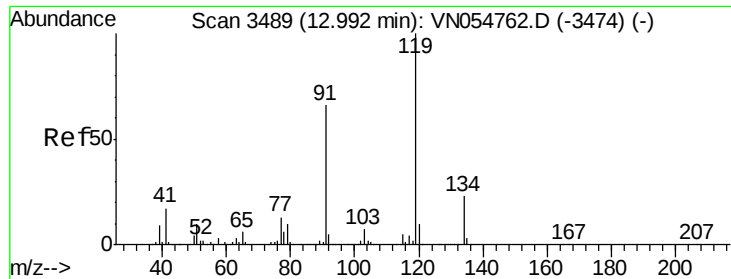
Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Tgt Ion:	91	Resp:	260932
Ion	Ratio	Lower	Upper
91	100		
126	33.5	18.1	54.1





#83

tert-Butylbenzene

Concen: 22.083 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

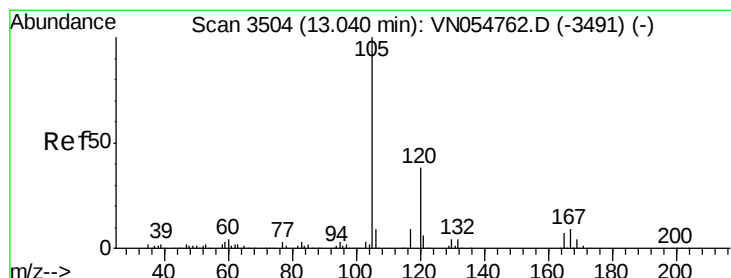
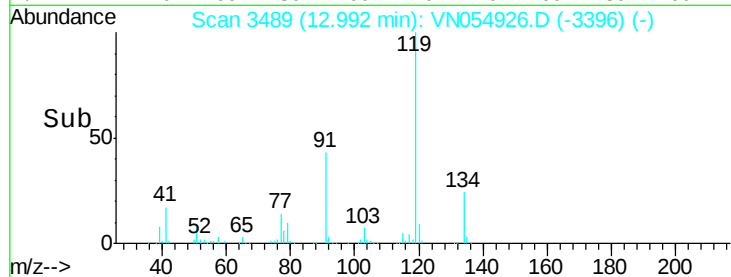
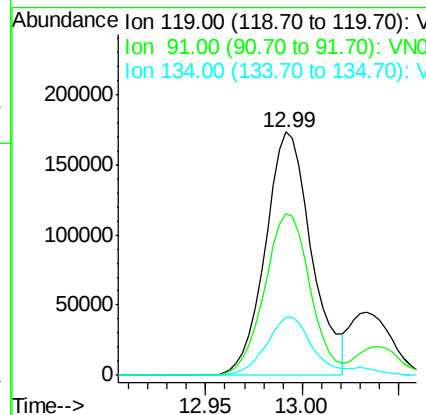
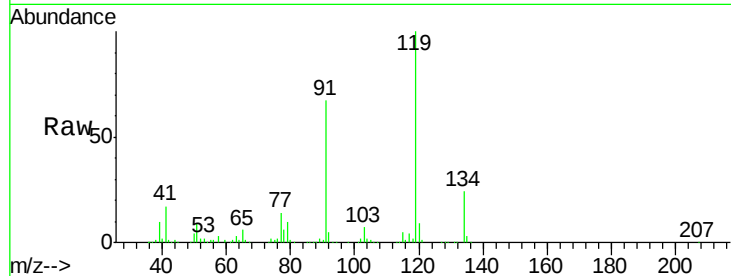
ClientSampleId :

VN0403WBSD01

Tot Ion:	119	Resp:	287681
Ion Ratio	Lower	Upper	
119	100		
91	65.9	30.9	92.8
134	23.4	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.484 ug/l

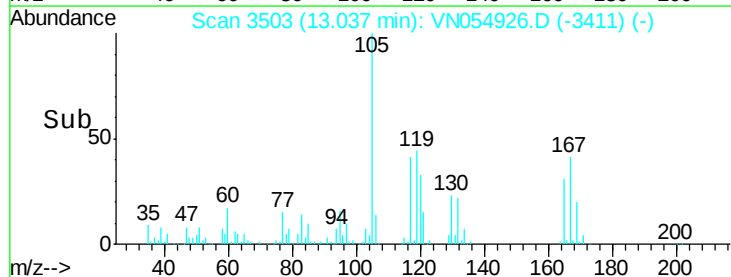
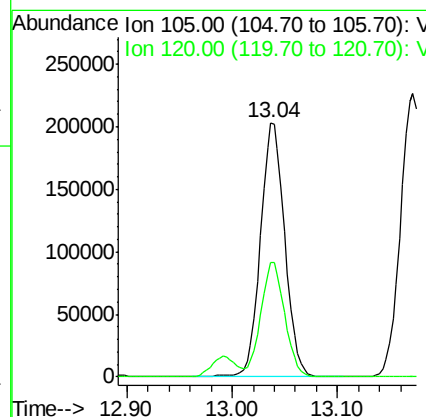
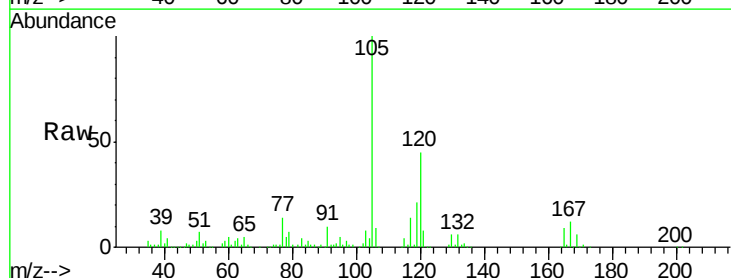
RT: 13.04 min Scan# 3503

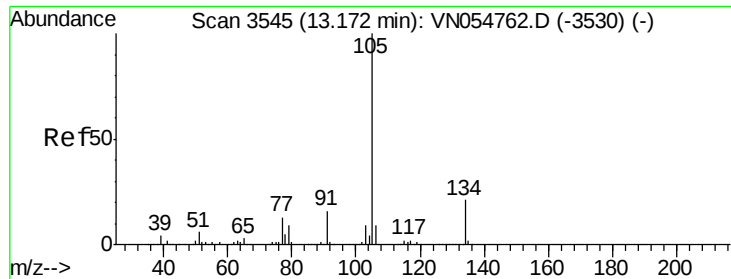
Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Tgt Ion:	105	Resp:	326886
Ion Ratio	Lower	Upper	
105	100		
120	44.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.928 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0403WBSD01

Tot Ion:105 Resp: 363090

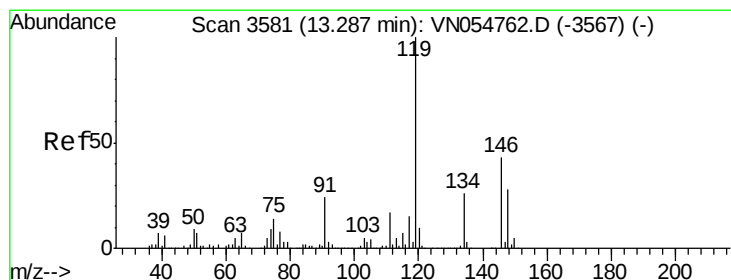
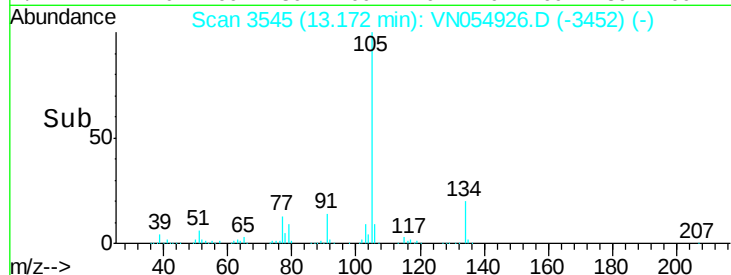
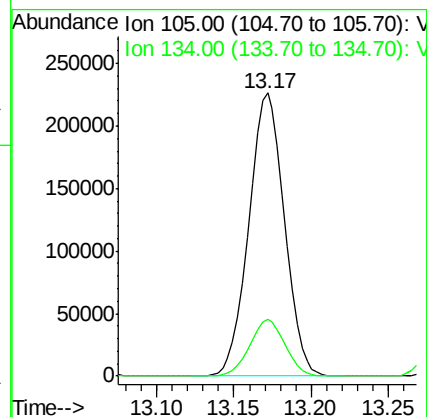
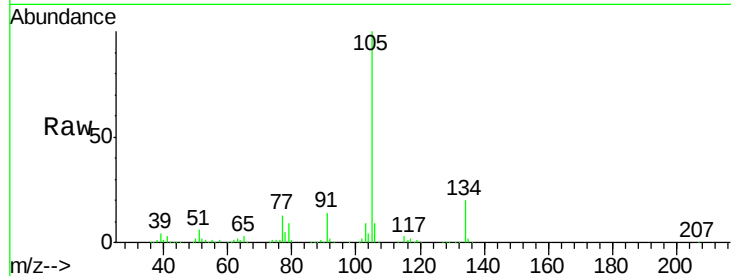
Ion Ratio Lower Upper

105 100

134 19.7 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 20.587 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

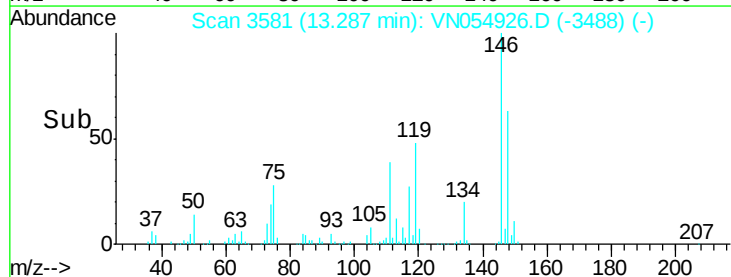
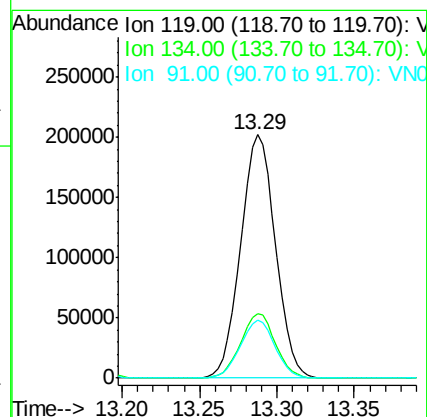
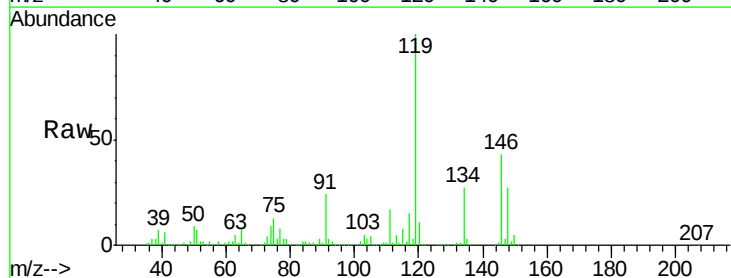
Tgt Ion:119 Resp: 315019

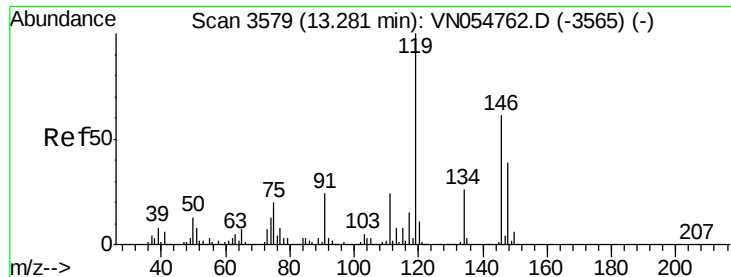
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.430 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Instrument :

MSVOA_N

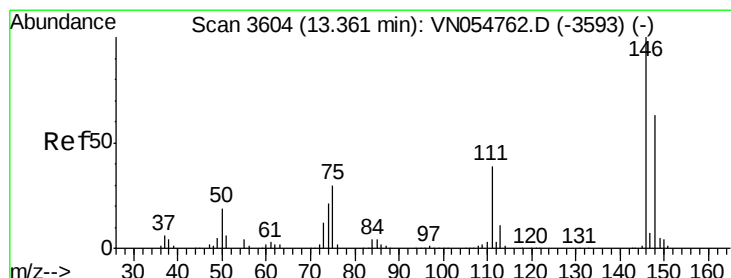
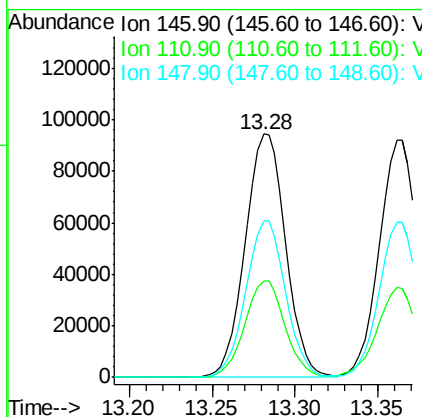
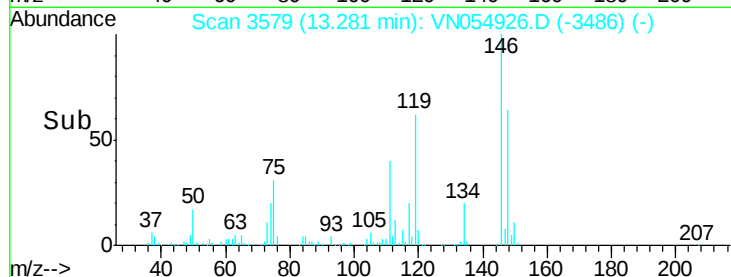
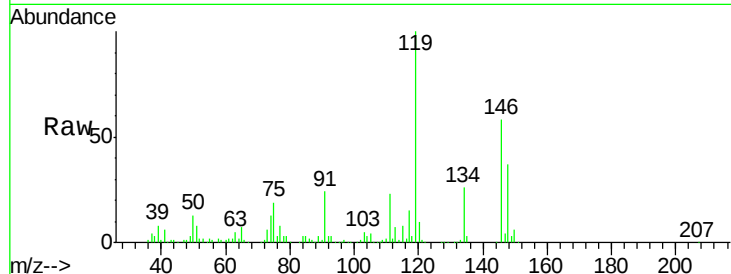
ClientSampleId :

VN0403WBSD01

Tot Ion:	146	Resp:	160683
Ion Ratio	Lower	Upper	
146	100		
111	39.2	18.8	56.3
148	63.2	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.688 ug/l

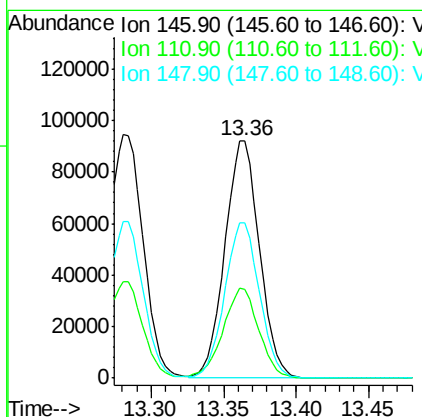
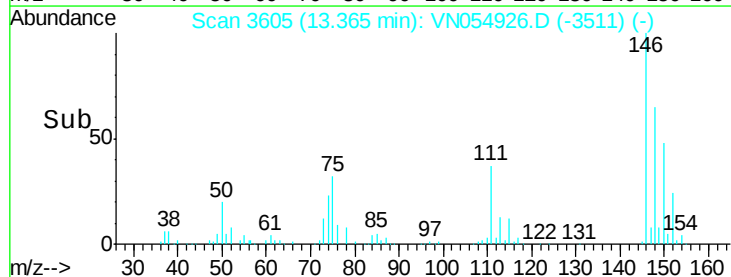
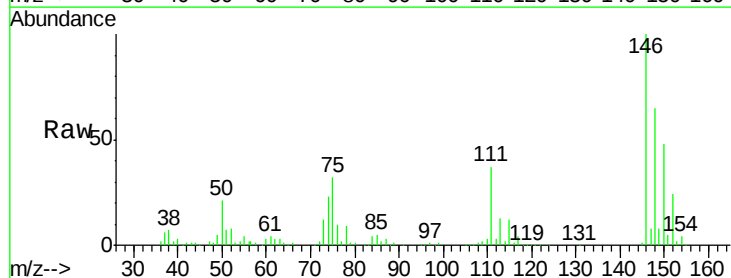
RT: 13.36 min Scan# 3605

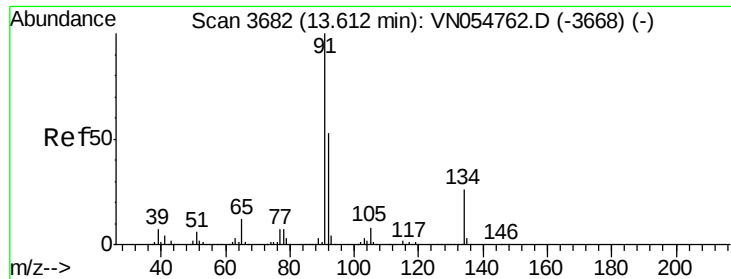
Delta R.T. 0.00 min

Lab File: VN054926.D

Acq: 3 Apr 2019 15:07

Tgt Ion:	146	Resp:	151874
Ion Ratio	Lower	Upper	
146	100		
111	39.2	18.1	54.1
148	65.8	32.0	96.0





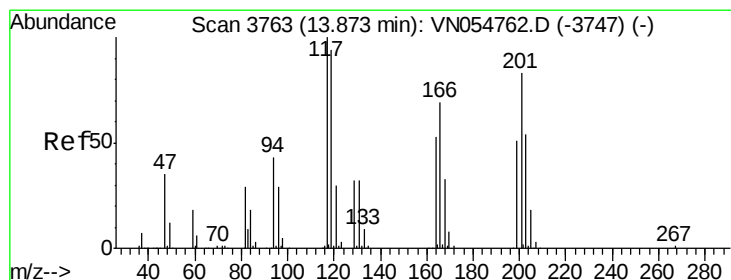
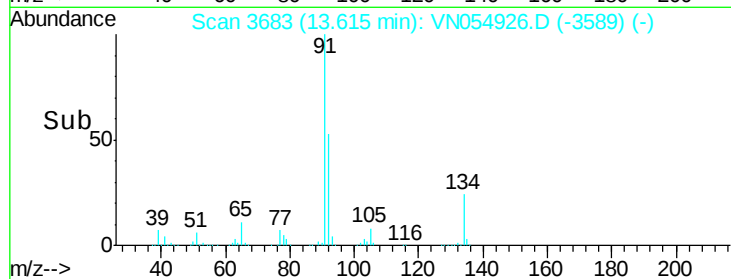
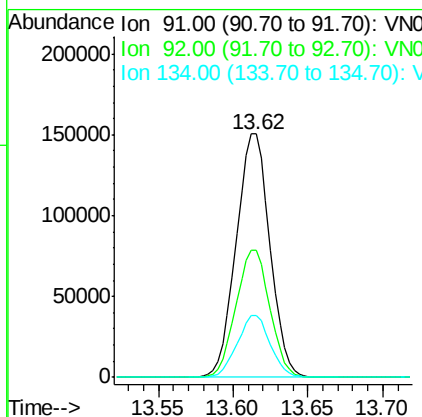
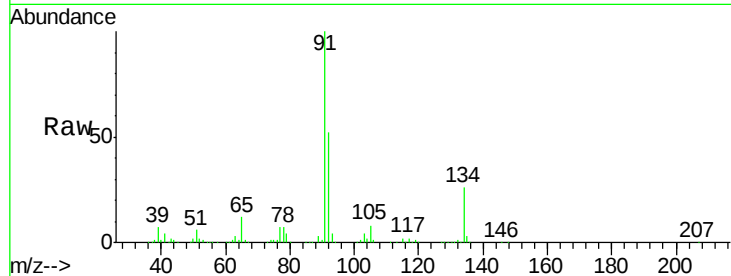
#89
n-Butylbenzene
Concen: 18.956 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.6
134	24.9	14.3	42.9

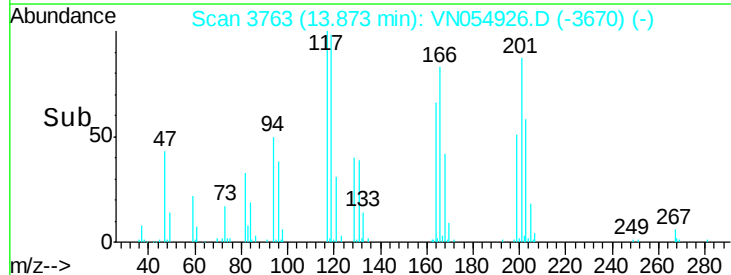
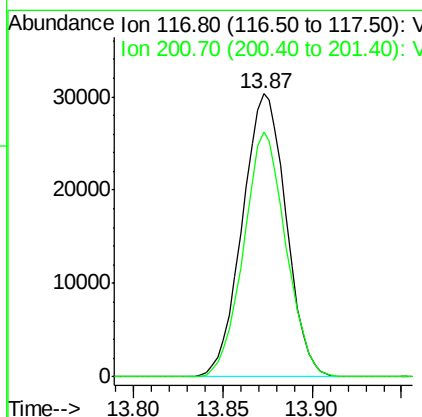
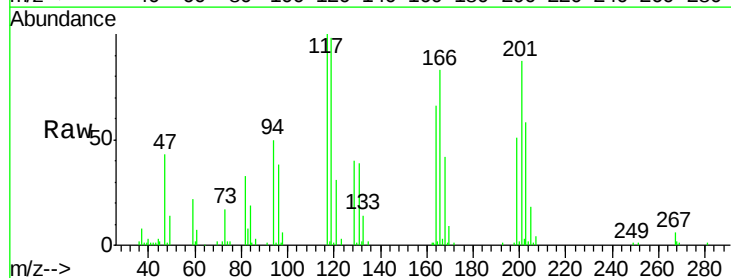
Manual Integrations
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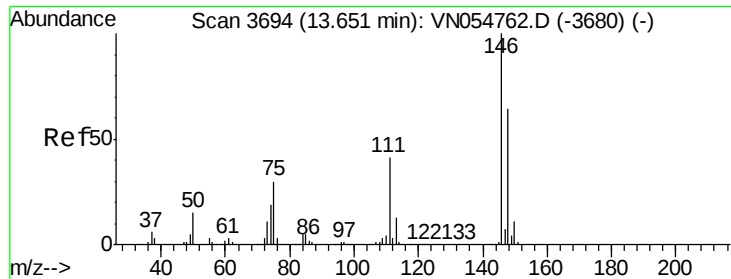
MMDadoda
4/4/2019 9:30:54 AM



#90
Hexachloroethane
Concen: 20.022 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	48.1	144.4





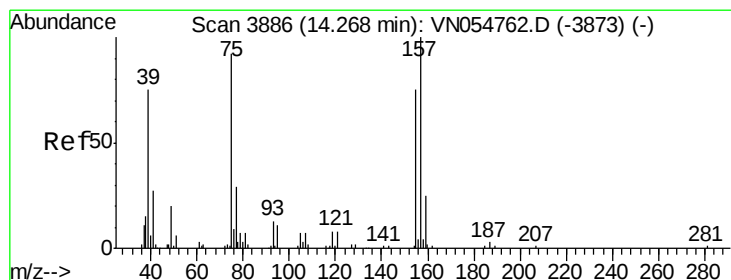
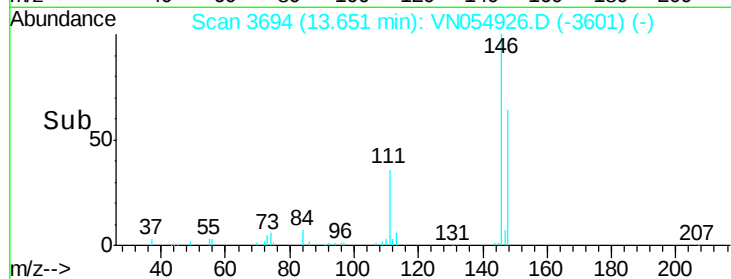
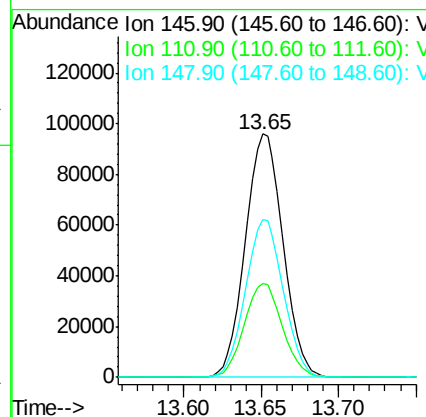
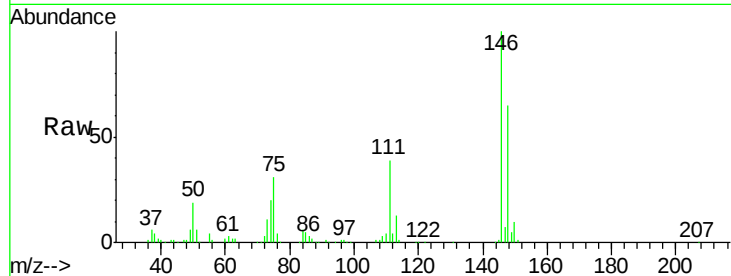
#91
 1,2-Dichlorobenzene
 Concen: 20.532 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.3
148	64.8	32.4	97.0

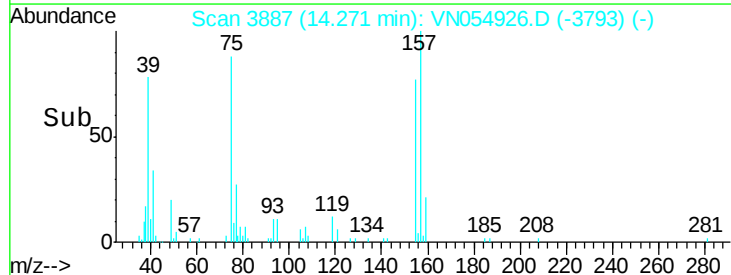
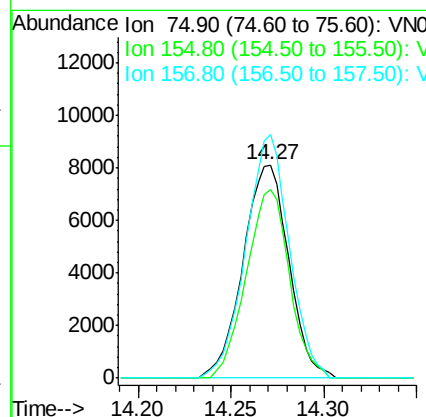
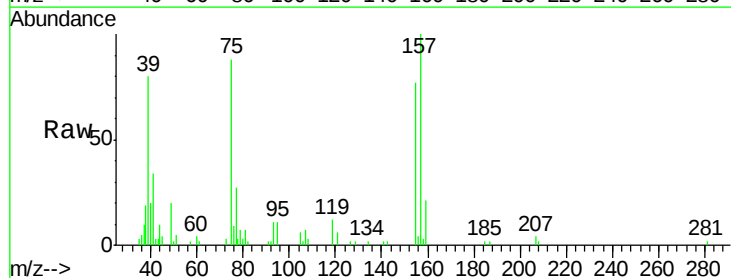
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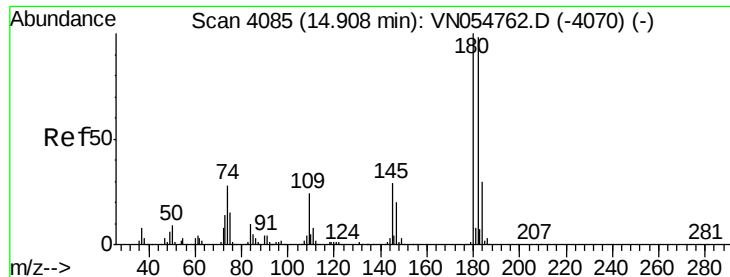
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.962 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	50.1	150.3
157	108.3	63.1	189.3





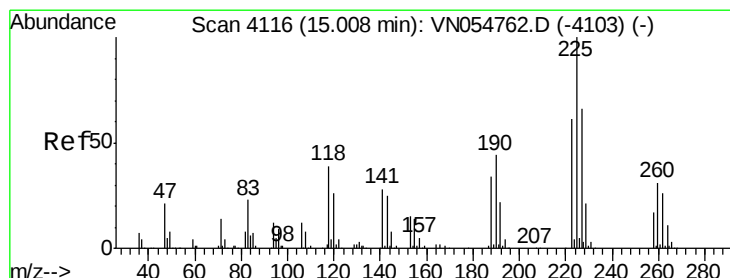
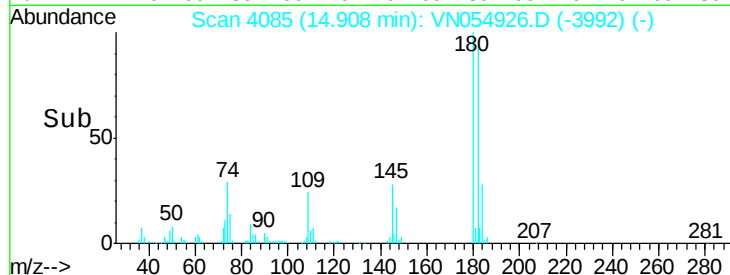
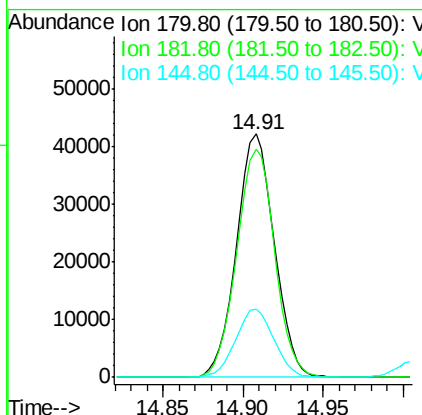
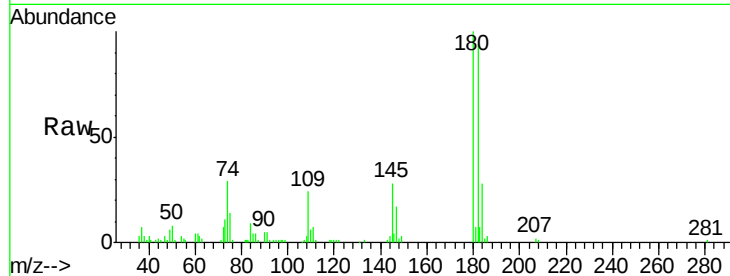
#93
 1,2,4-Trichlorobenzene
 Concen: 17.751 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.0	144.2
145	28.4	14.2	42.8

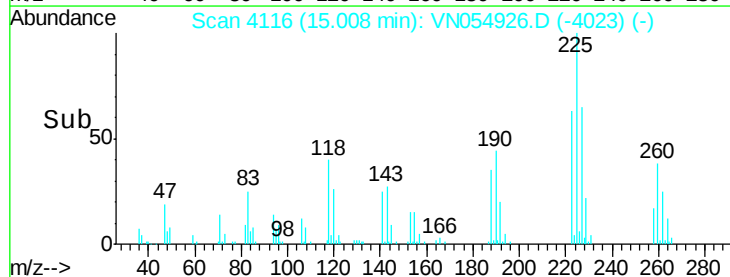
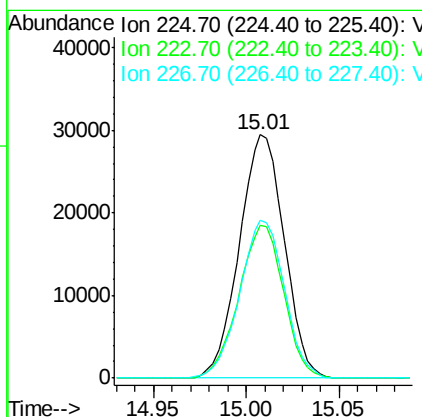
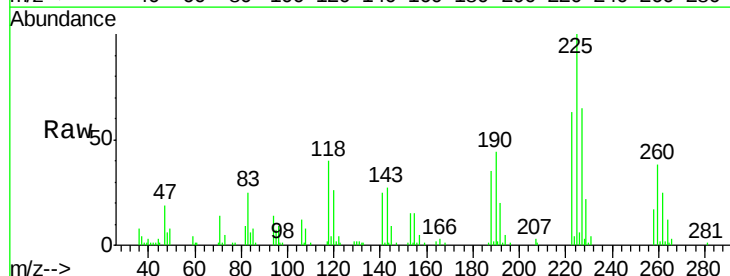
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#94
 Hexachlorobutadiene
 Concen: 20.651 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054926.D
 Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.5
227	64.5	31.9	95.9





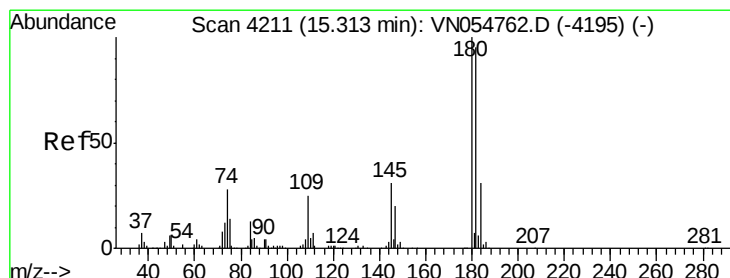
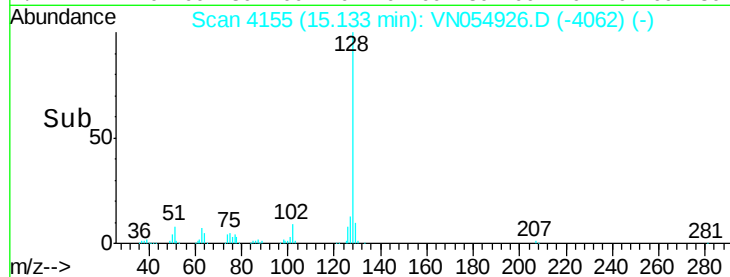
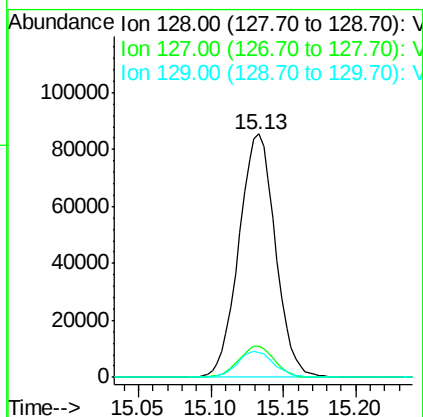
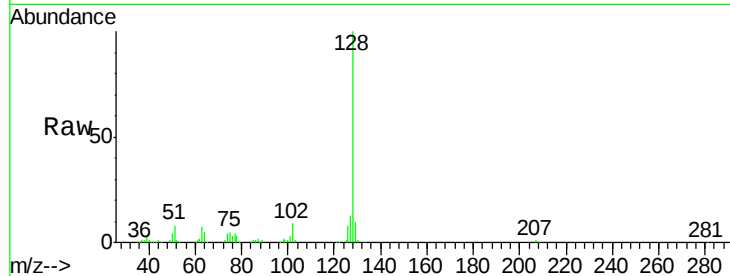
#95
Naphthalene
Concen: 17.447 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0403WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.6	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.563 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054926.D
Acq: 3 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.5	142.6
145	30.5	14.8	44.3

