

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054815.D
 Acq On : 30 Mar 2019 20:52
 Operator : JC/SP
 Sample : VN0330WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Manual Integrations
 APPROVED

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 4/1/2019 1:32:26 PM

Quant Time: Mar 30 23:58:17 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	411119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	716702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	597341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	296835	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	7.59	113	228723	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.09	98	816209	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
62) 4-Bromofluorobenzene	12.40	95	266253	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	84433	20.304	ug/l	98
3) Chloromethane	2.07	50	114293	19.877	ug/l	94
4) Vinyl Chloride	2.19	62	107078	20.737	ug/l	98
5) Bromomethane	2.57	94	43139	14.332	ug/l	97
6) Chloroethane	2.71	64	60797	21.086	ug/l	97
7) Trichlorofluoromethane	3.02	101	137964	21.733	ug/l	97
8) Diethyl Ether	3.41	74	47313	23.146	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68716	20.562	ug/l	93
10) Methyl Iodide	3.94	142	59295	12.961	ug/l #	85
11) Tert butyl alcohol	4.83	59	45020	155.914	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	68466	21.186	ug/l #	69
13) Acrolein	3.61	56	37100	143.723	ug/l	95
14) Allyl chloride	4.31	41	164833	20.708	ug/l #	92
15) Acrylonitrile	5.00	53	205283	127.906	ug/l	100
16) Acetone	3.82	43	148814	112.604	ug/l #	80
17) Carbon Disulfide	4.04	76	174314	16.631	ug/l	99
18) Methyl Acetate	4.33	43	97552	27.934	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	274193	24.256	ug/l	95
20) Methylene Chloride	4.55	84	100205	21.495	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	91452	21.545	ug/l	88
22) Diisopropyl ether	5.96	45	357424	22.703	ug/l #	93
23) Vinyl Acetate	5.91	43	1320435	120.522	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	190721	22.710	ug/l	97
25) 2-Butanone	6.85	43	263712	134.992	ug/l #	86
26) 2,2-Dichloropropane	6.82	77	93264	15.845	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	105653	22.033	ug/l	89
28) Bromochloromethane	7.20	49	101291	24.120	ug/l #	71
29) Tetrahydrofuran	7.23	42	178501	131.558	ug/l #	86
30) Chloroform	7.37	83	184419	23.029	ug/l	97
31) Cyclohexane	7.65	56	174906	21.690	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	148852	22.430	ug/l	94
36) 1,1-Dichloropropene	7.79	75	130896	19.600	ug/l	96
37) Ethyl Acetate	6.95	43	113333	23.142	ug/l	97
38) Carbon Tetrachloride	7.77	117	125035	19.276	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	137675	18.752	ug/l #	88
40) Benzene	8.04	78	405377	21.214	ug/l	98
41) Methacrylonitrile	7.18	41	66701	24.245	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	146917	21.532	ug/l	97
43) Isopropyl Acetate	8.17	43	192200	24.153	ug/l #	95
44) Trichloroethene	8.84	130	100695	20.299	ug/l	92
45) 1,2-Dichloropropane	9.12	63	113342	20.801	ug/l	96
46) Dibromomethane	9.21	93	66804	21.795	ug/l	89
47) Bromodichloromethane	9.40	83	136386	21.410	ug/l	98
48) Methyl methacrylate	9.20	41	95126	22.053	ug/l	88
49) 1,4-Dioxane	9.21	88	21515	502.685	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	553895	123.806	ug/l	93
52) Toluene	10.16	92	231201	20.333	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	119090	19.874	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	145966	20.392	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	90682	21.448	ug/l	95
56) Ethyl methacrylate	10.43	69	120375	21.704	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	156987	21.597	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	225892	100.988	ug/l #	88
59) 2-Hexanone	10.75	43	338119	118.058	ug/l	90
60) Dibromochloromethane	10.90	129	91259	21.308	ug/l	98
61) 1,2-Dibromoethane	11.01	107	87425	21.637	ug/l	100
64) Tetrachloroethene	10.63	164	95347	20.801	ug/l	95
65) Chlorobenzene	11.44	112	236586	20.229	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	93353	21.326	ug/l	97
67) Ethyl Benzene	11.51	91	428667	20.311	ug/l	98
68) m/p-Xylenes	11.62	106	315056	40.340	ug/l	94
69) o-Xylene	11.95	106	155121	20.255	ug/l	96
70) Styrene	11.97	104	252223	20.597	ug/l	96
71) Bromoform	12.13	173	54645	21.308	ug/l #	100
73) Isopropylbenzene	12.25	105	405874	20.343	ug/l	98
74) N-amyl acetate	12.07	43	140446	22.595	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	112199	24.642	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	94323m	22.243	ug/l	
77) Bromobenzene	12.53	156	96675	20.077	ug/l	82
78) n-propylbenzene	12.59	91	440266	20.077	ug/l	96
79) 2-Chlorotoluene	12.68	91	271859	20.039	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	330789	20.206	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20530	18.832	ug/l #	77
82) 4-Chlorotoluene	12.77	91	264642	20.083	ug/l	96
83) tert-Butylbenzene	12.99	119	280440	20.894	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	321200	20.594	ug/l	96
85) sec-Butylbenzene	13.17	105	353581	19.882	ug/l	98
86) p-Isopropyltoluene	13.29	119	302282	19.272	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	163616	20.295	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	152635	19.304	ug/l	97
89) n-Butylbenzene	13.62	91	229556	17.938	ug/l	97
90) Hexachloroethane	13.88	117	51005	19.153	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	164600	20.231	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17862	26.189	ug/l	78

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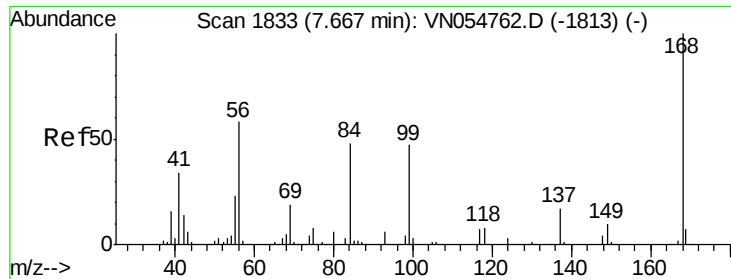
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68140	17.372	ug/l	98
94) Hexachlorobutadiene	15.01	225	44297	17.711	ug/l	97
95) Naphthalene	15.13	128	173241	19.692	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	73251	18.491	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: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

Tot Ion:168 Resp: 411119

Ion Ratio Lower Upper

168 100

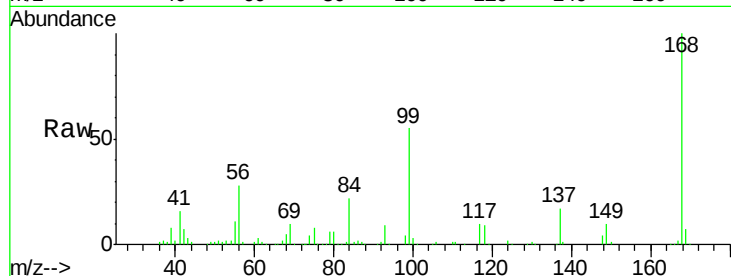
99 54.6 37.1 55.7

Manual Integrations

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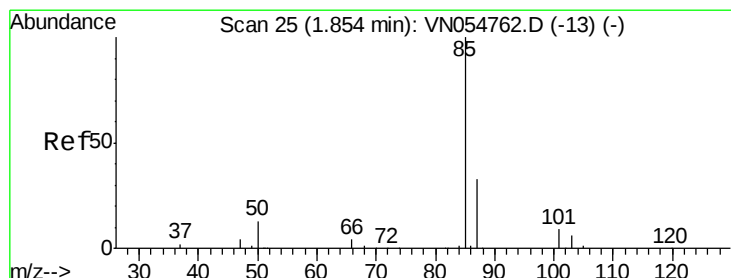
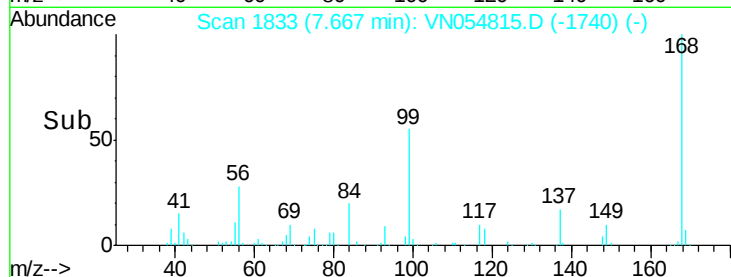
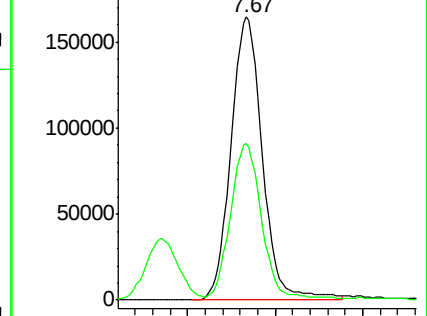
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.304 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054815.D

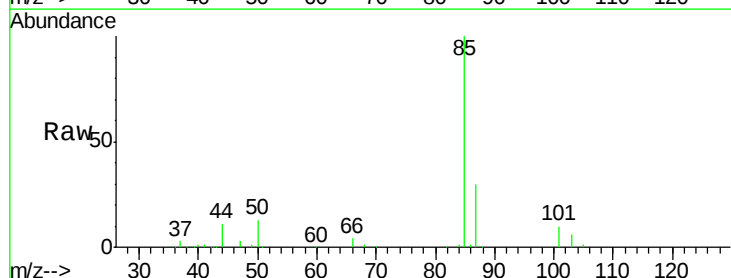
Acq: 30 Mar 2019 20:52

Tgt Ion: 85 Resp: 84433

Ion Ratio Lower Upper

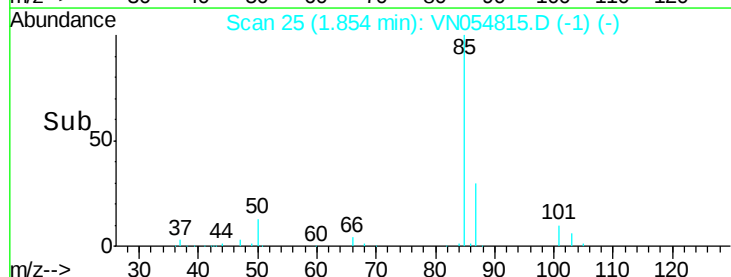
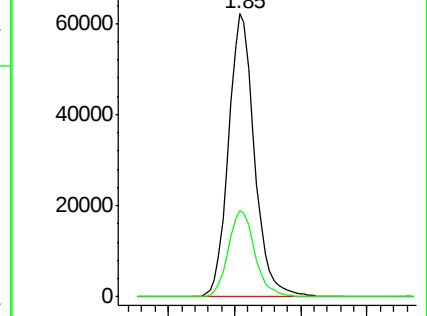
85 100

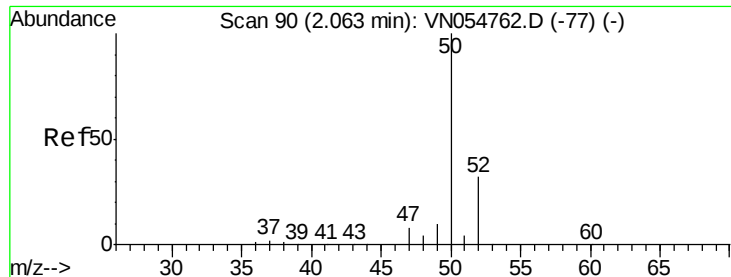
87 30.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.877 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

Tot Ion: 50 Resp: 114293

Ion Ratio Lower Upper

50 100

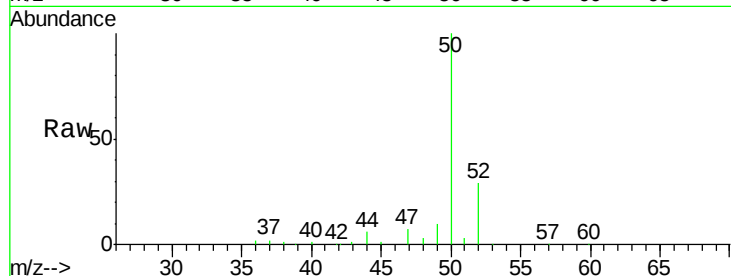
52 29.4 26.4 39.6

Manual Integrations

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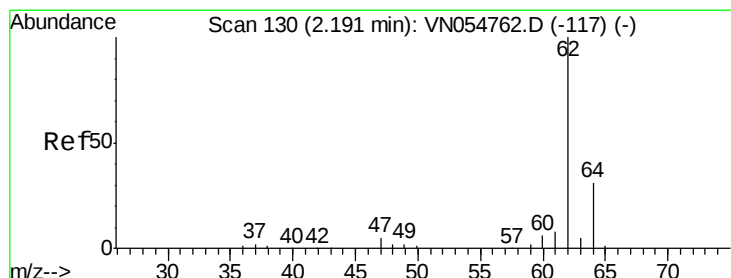
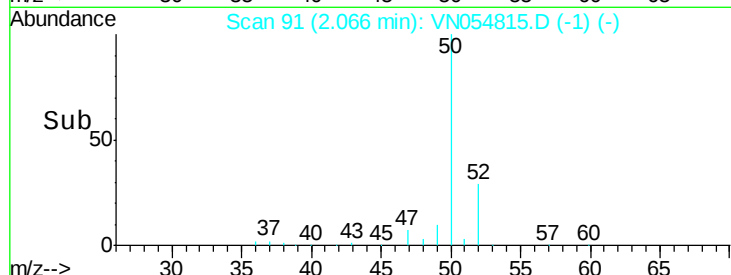
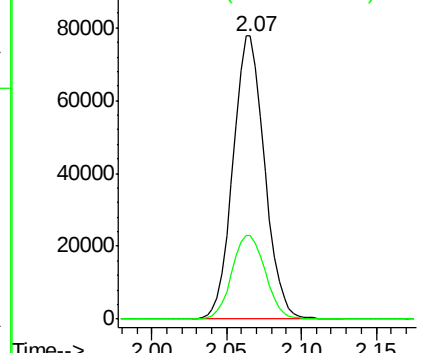
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.737 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054815.D

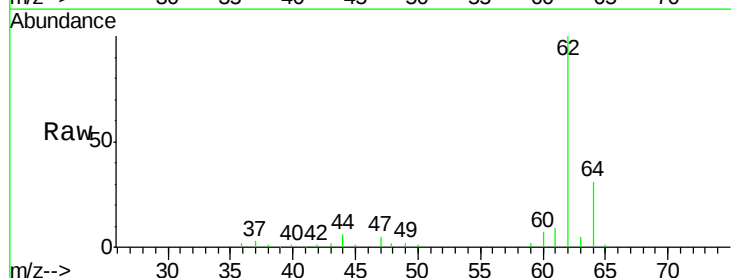
Acq: 30 Mar 2019 20:52

Tgt Ion: 62 Resp: 107078

Ion Ratio Lower Upper

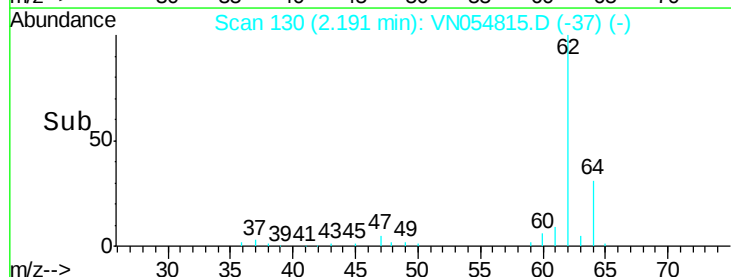
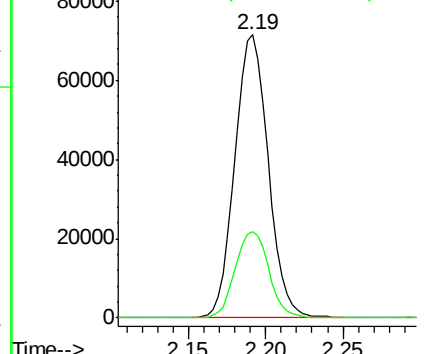
62 100

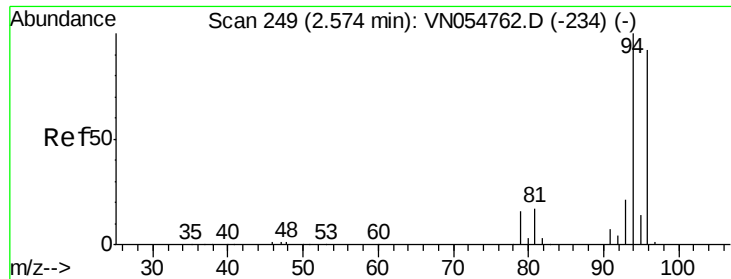
64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 14.332 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

Tot Ion: 94 Resp: 43139

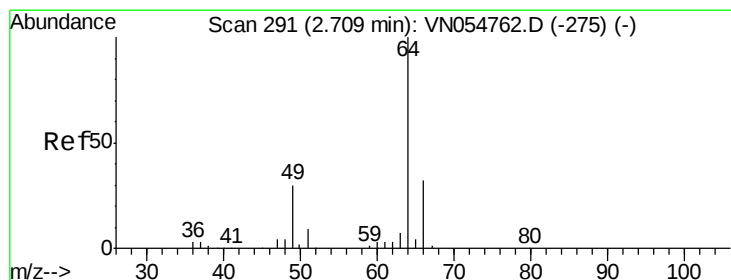
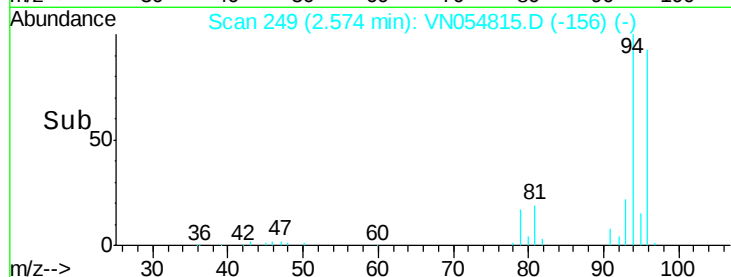
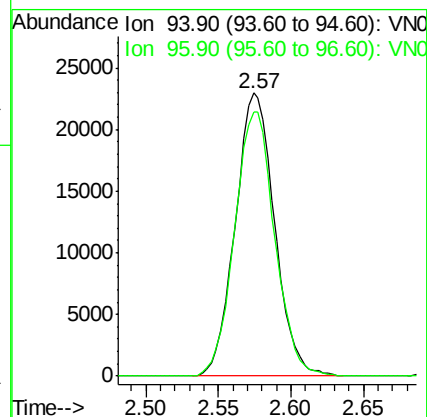
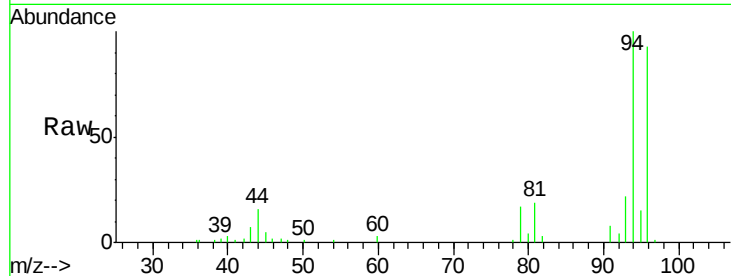
Ion Ratio Lower Upper

94 100

96 93.4 77.0 115.4

Manual Integrations
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#6

Chloroethane

Concen: 21.086 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054815.D

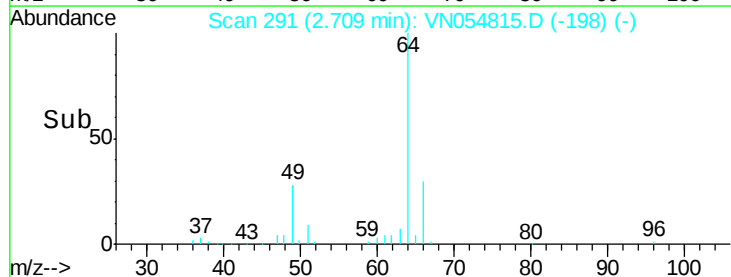
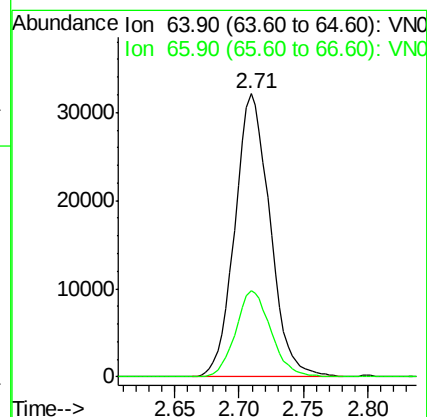
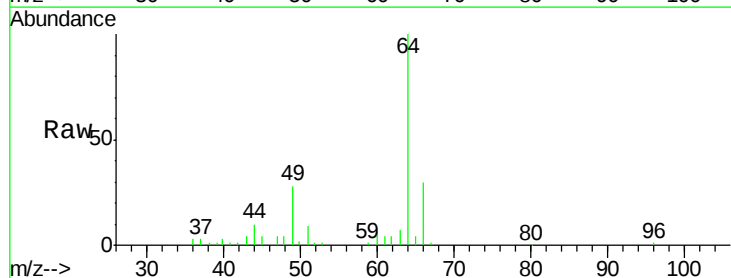
Acq: 30 Mar 2019 20:52

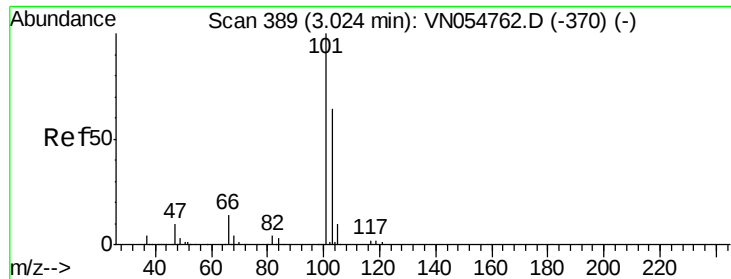
Tgt Ion: 64 Resp: 60797

Ion Ratio Lower Upper

64 100

66 30.4 25.7 38.5





#7

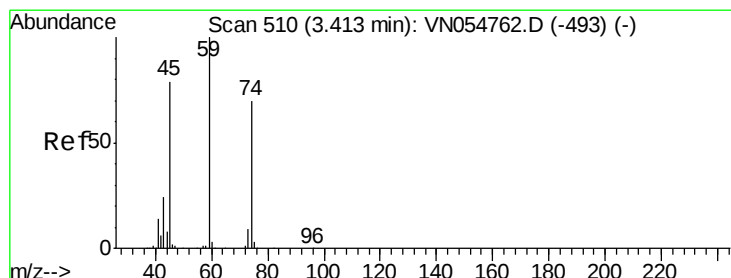
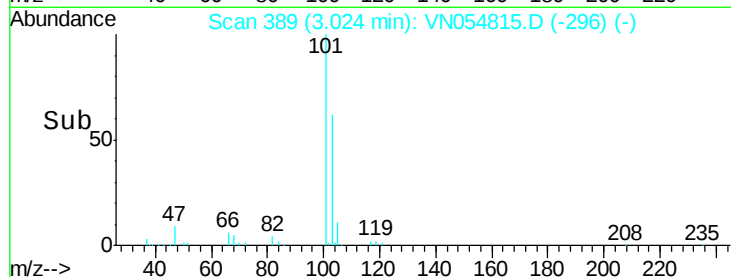
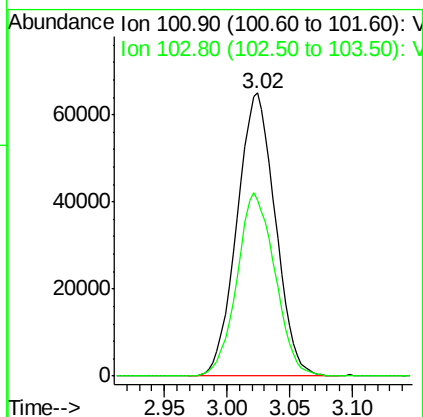
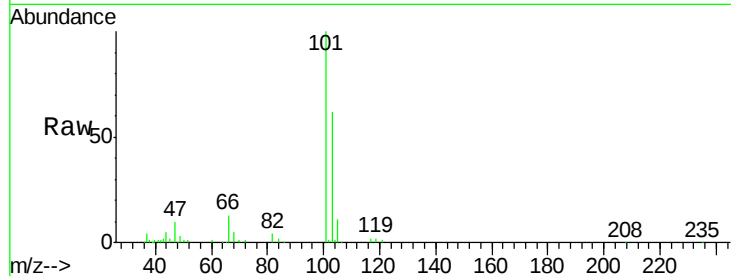
Trichlorofluoromethane
Concen: 21.733 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.4	77.2

Manual Integrations
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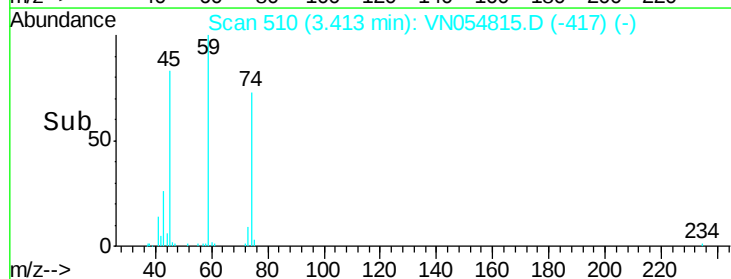
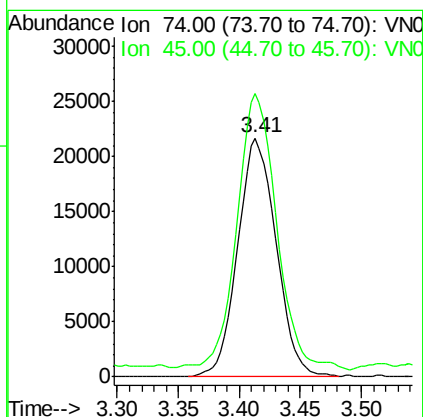
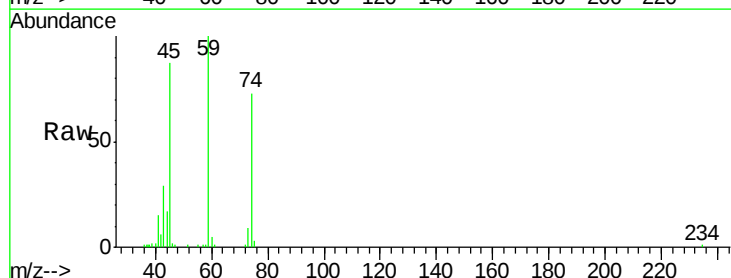
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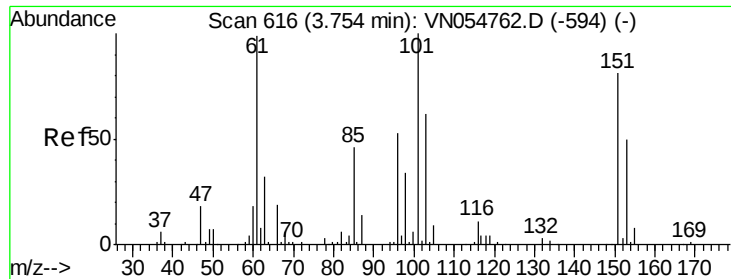


#8

Diethyl Ether
Concen: 23.146 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.8	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.562 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054815.D

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Instrument :

MSVOA_N

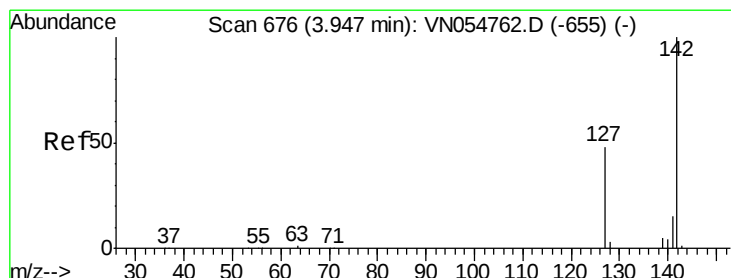
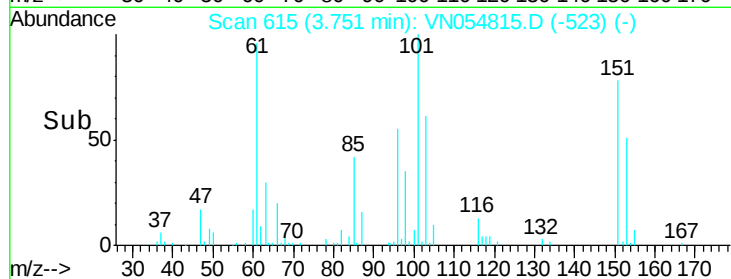
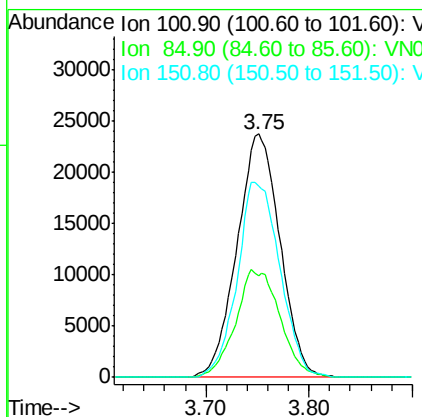
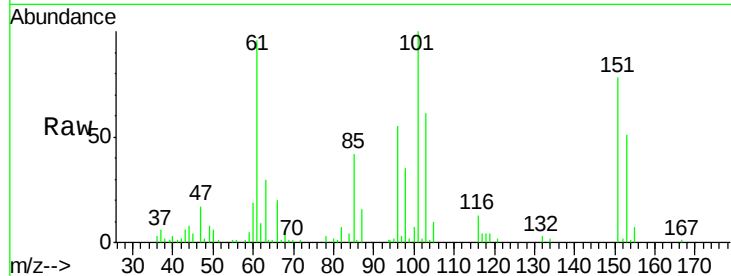
ClientSampleId :

VN0330WBSD01

Tot Ion:101 Resp: 68716
 Ion Ratio Lower Upper
 101 100
 85 45.7 32.4 48.6
 151 79.7 68.2 102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 12.961 ug/l

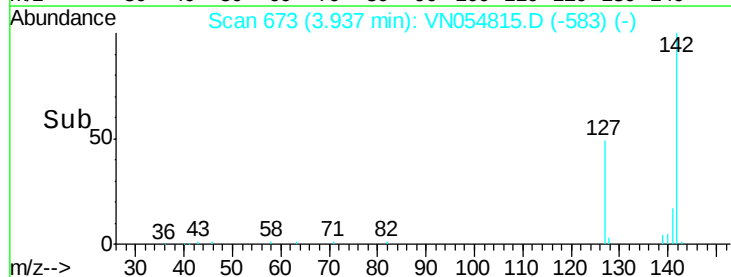
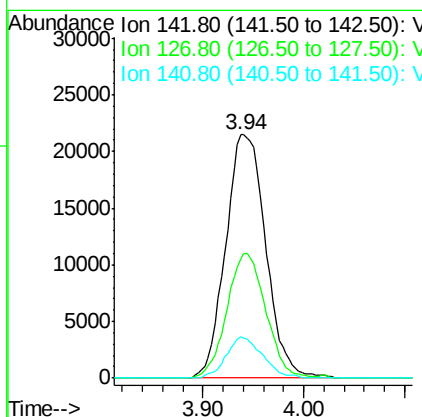
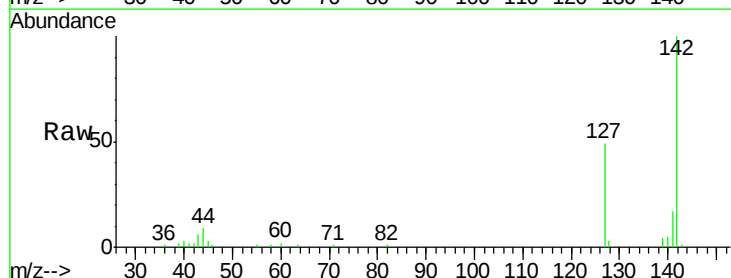
RT: 3.94 min Scan# 673

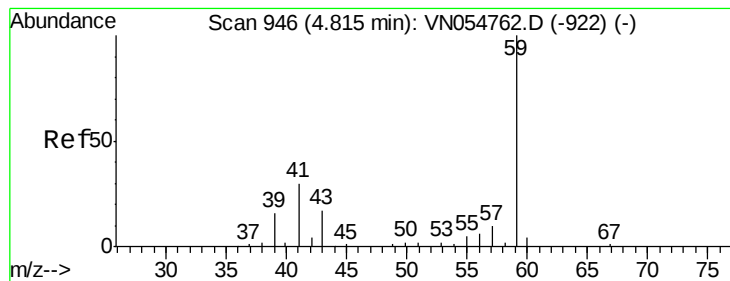
Delta R.T. -0.01 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion:142 Resp: 59295
 Ion Ratio Lower Upper
 142 100
 127 49.5 30.3 45.5#
 141 15.4 11.2 16.8





#11

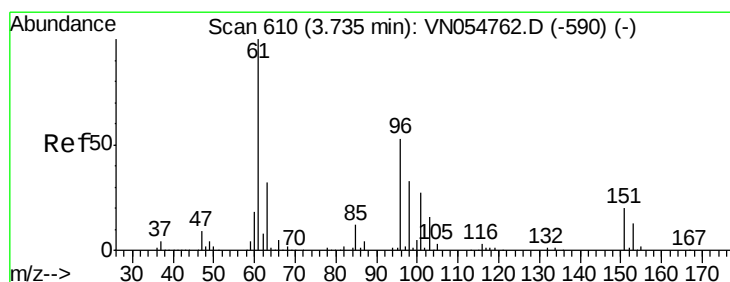
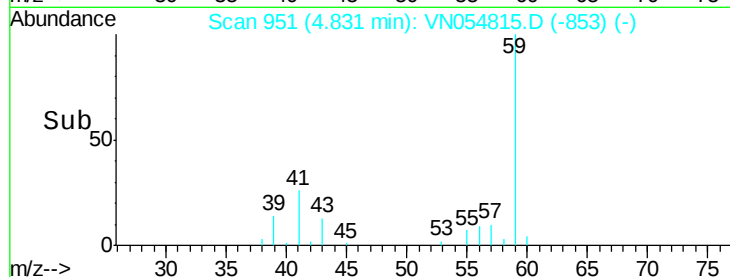
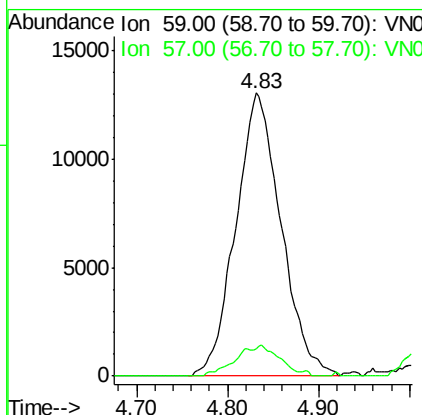
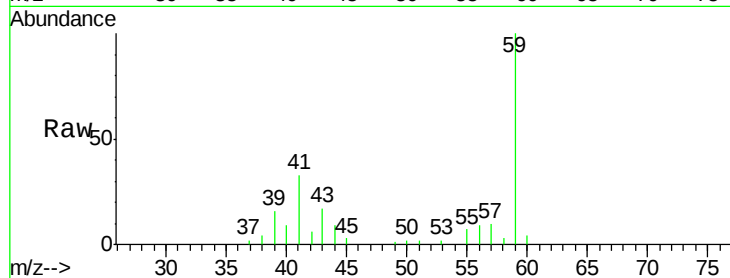
Tert butyl alcohol
 Concen: 155.914 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	45020		
57	4.2		9.0	13.6#

Manual Integrations
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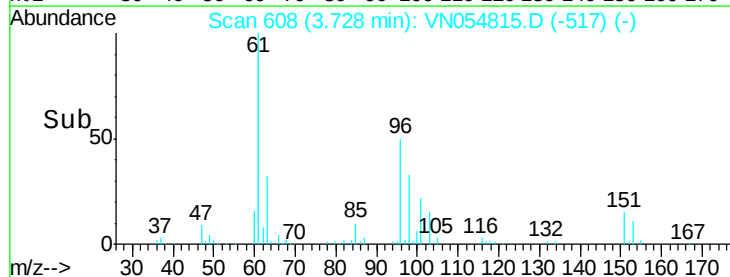
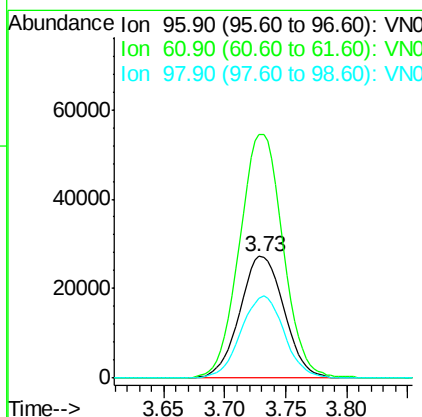
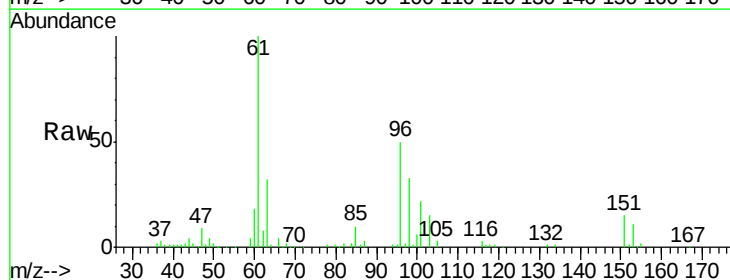
MMDadoda
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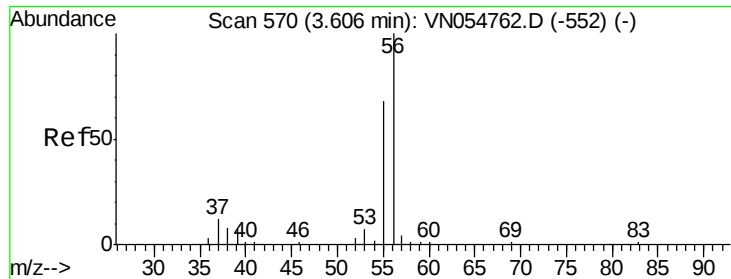


#12

1,1-Dichloroethene
 Concen: 21.186 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	68466		
61	200.1		116.5	174.7#
98	65.9		51.0	76.4





#13

Acrolein

Concen: 143.723 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

Tot Ion: 56 Resp: 37100

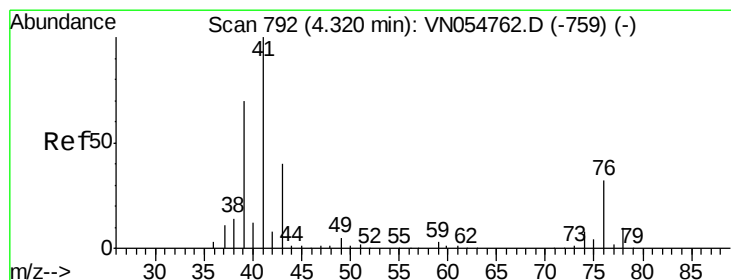
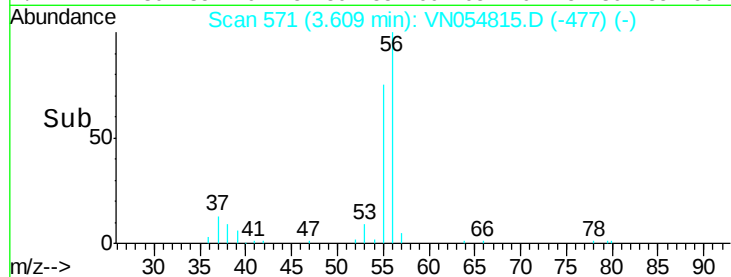
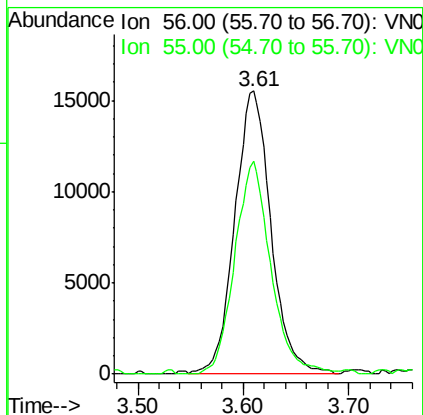
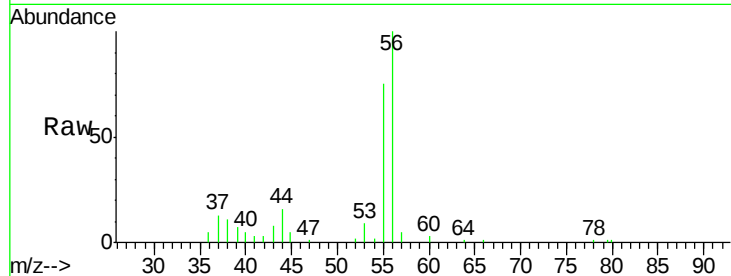
Ion Ratio Lower Upper

56 100

55 74.9 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 20.708 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

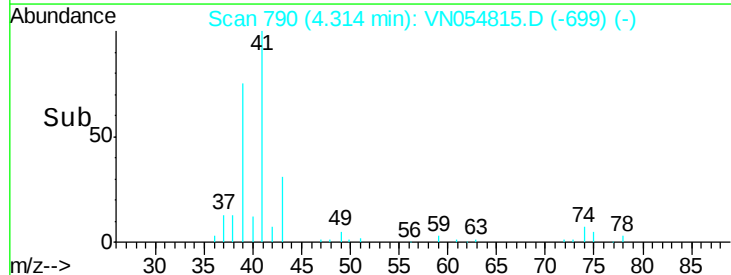
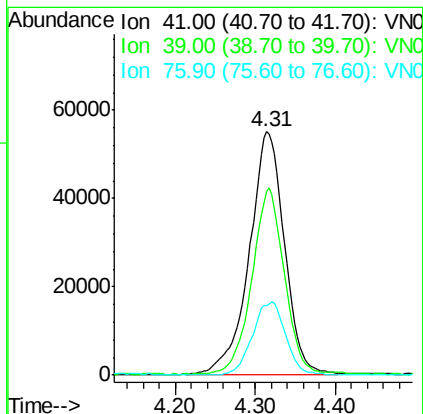
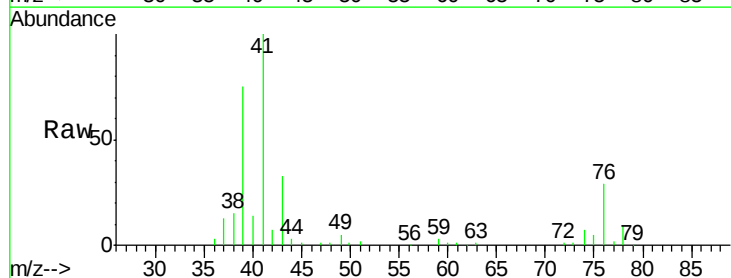
Tgt Ion: 41 Resp: 164833

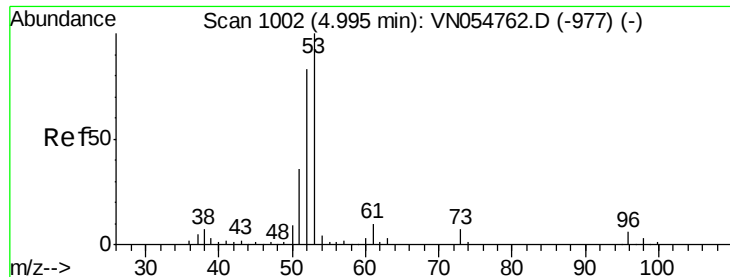
Ion Ratio Lower Upper

41 100

39 70.5 58.2 87.4

76 28.6 31.7 47.5#





#15

Acrylonitrile

Concen: 127.906 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

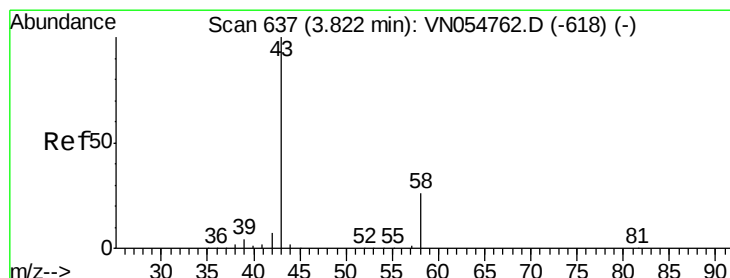
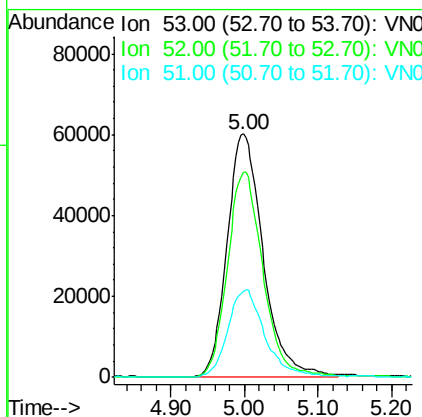
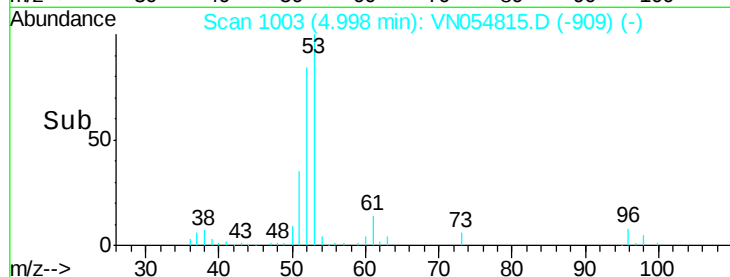
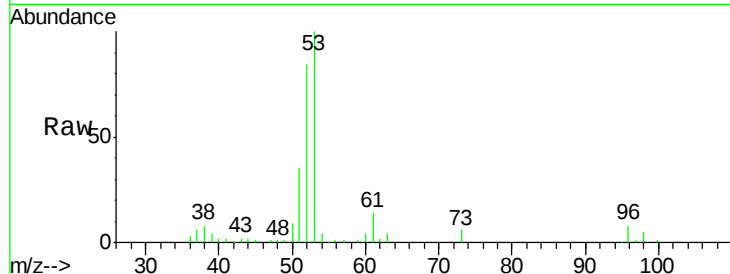
ClientSampleId :

VN0330WBSD01

Tot Ion:	53	Resp:	205283
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.4	99.6
51	37.0	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 112.604 ug/l

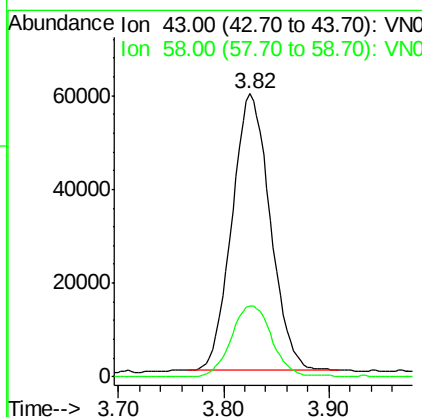
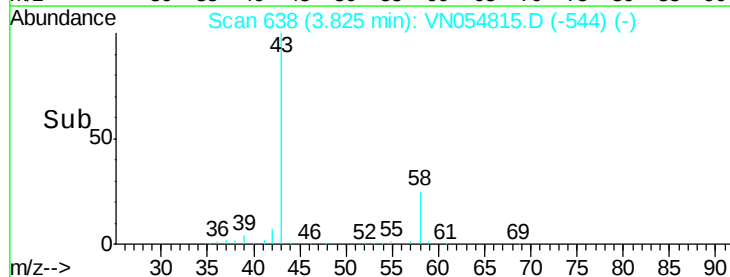
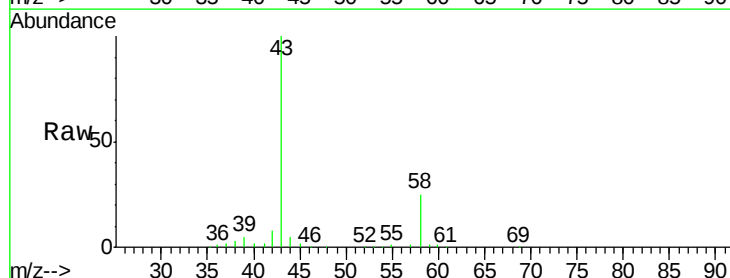
RT: 3.82 min Scan# 638

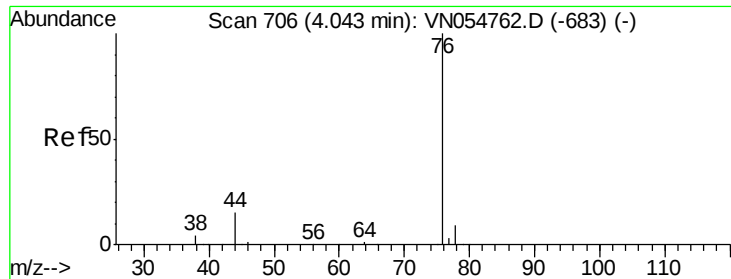
Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion:	43	Resp:	148814
Ion Ratio	Lower	Upper	
43	100		
58	25.7	29.9	44.9#





#17

Carbon Disulfide

Concen: 16.631 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

Tot Ion: 76 Resp: 174314

Ion Ratio Lower Upper

76 100

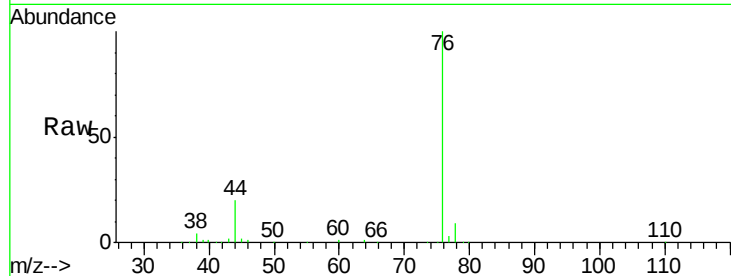
78 8.9 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.04

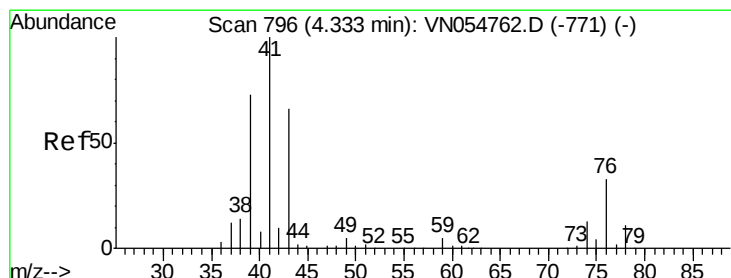
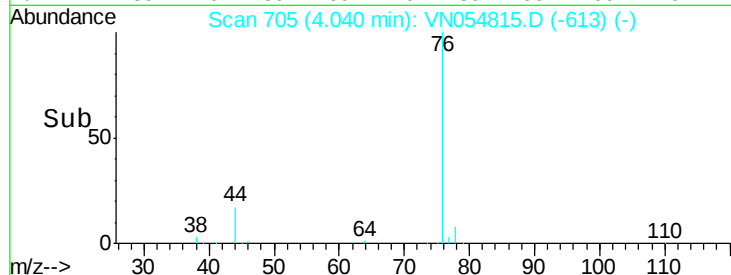
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 27.934 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054815.D

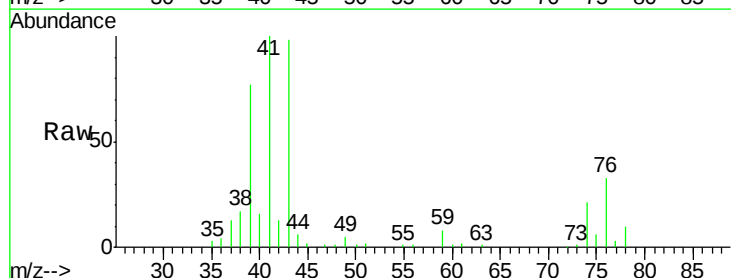
Acq: 30 Mar 2019 20:52

Tgt Ion: 43 Resp: 97552

Ion Ratio Lower Upper

43 100

74 20.2 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

40000

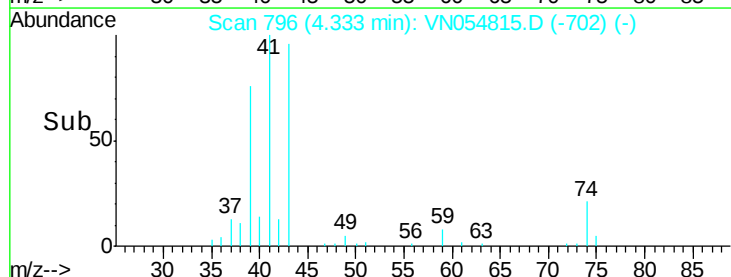
30000

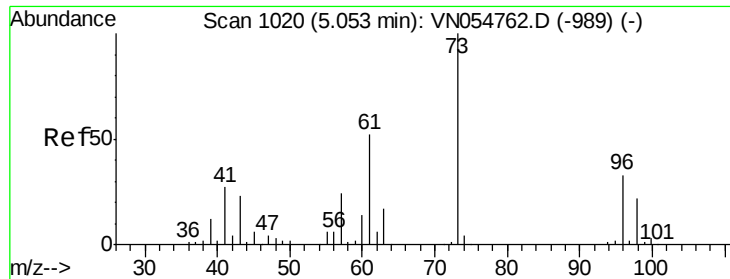
20000

10000

0

Time-->





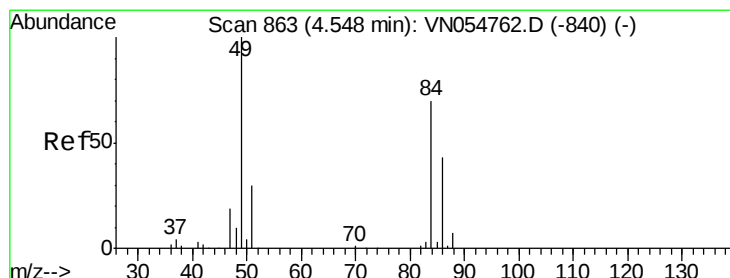
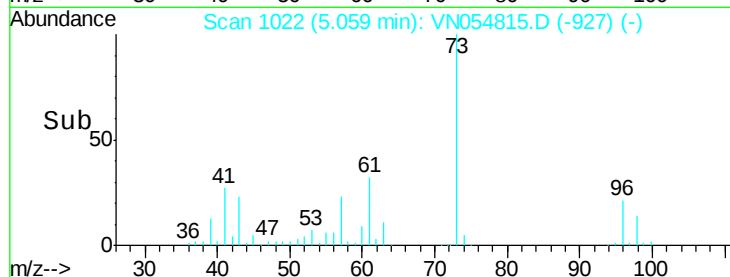
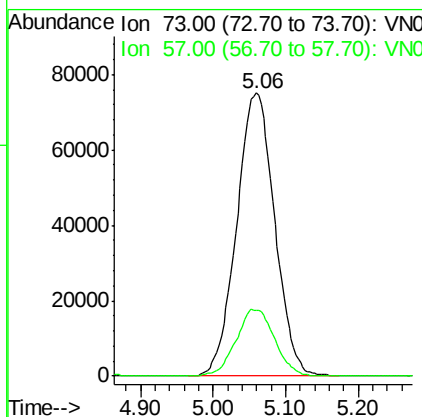
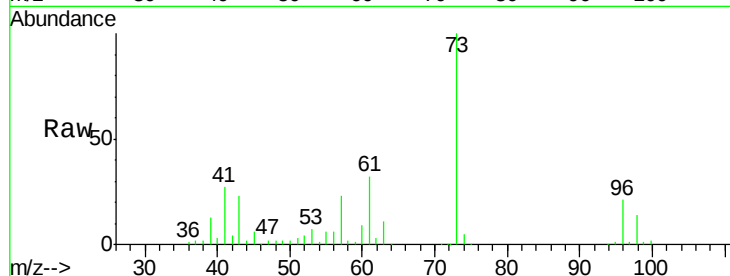
#19
Methvl tert-butvl Ether
Concen: 24.256 ug/l
RT: 5.06 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion: 73 Resp: 274193
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

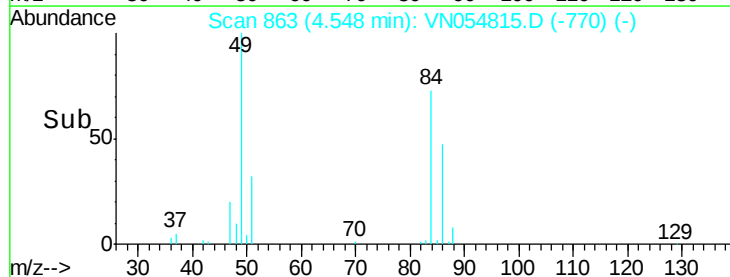
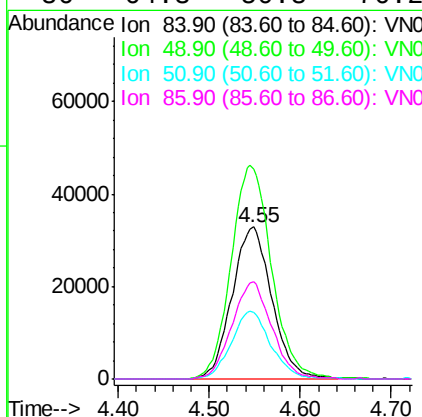
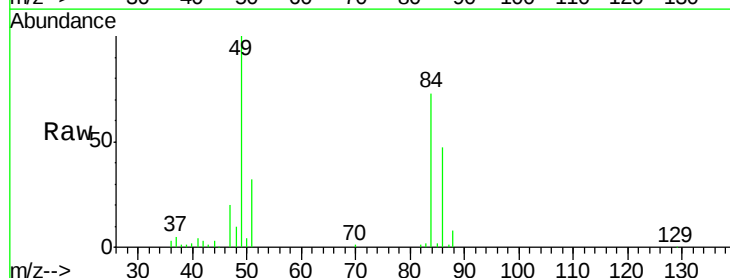
Manual Integrations
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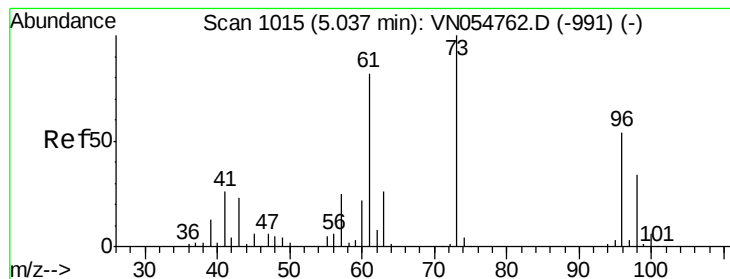
MMDadoda
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#20
Methylene Chloride
Concen: 21.495 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 84 Resp: 100205
Ion Ratio Lower Upper
84 100
49 137.9 89.7 134.5#
51 43.9 28.2 42.4#
86 64.3 50.8 76.2





#21

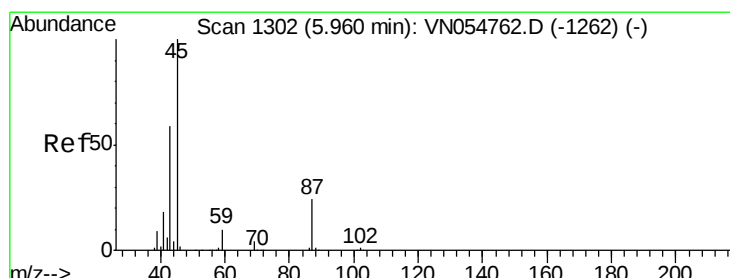
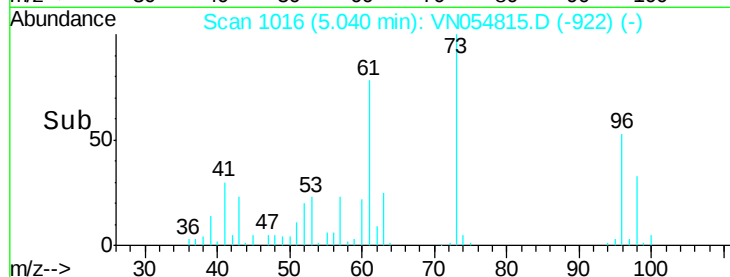
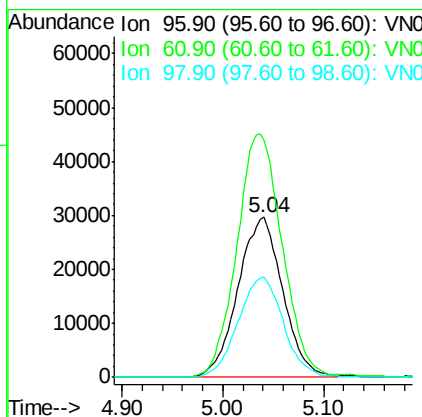
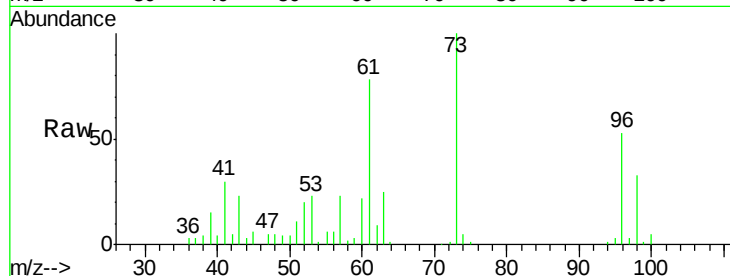
trans-1,2-Dichloroethene
Concen: 21.545 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	102.8	154.2
98	62.5	50.0	75.0

Manual Integrations
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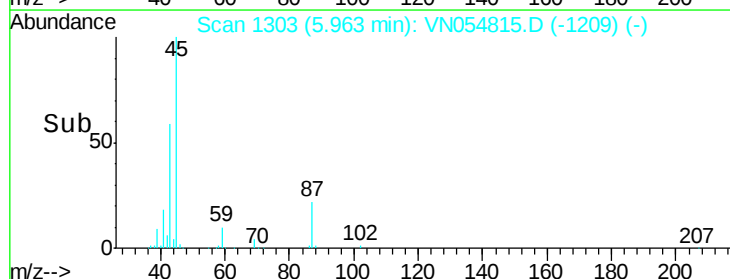
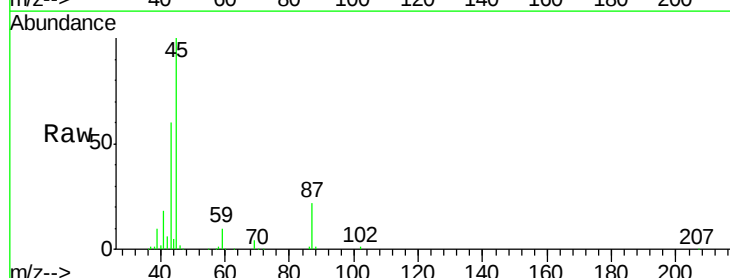
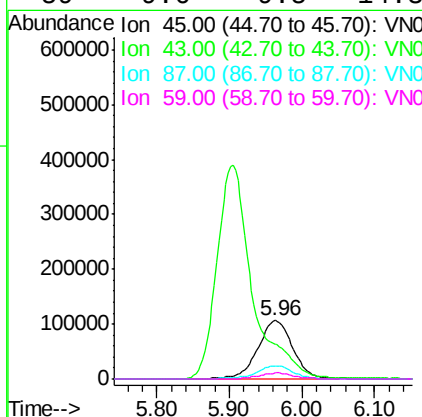
MMDadoda
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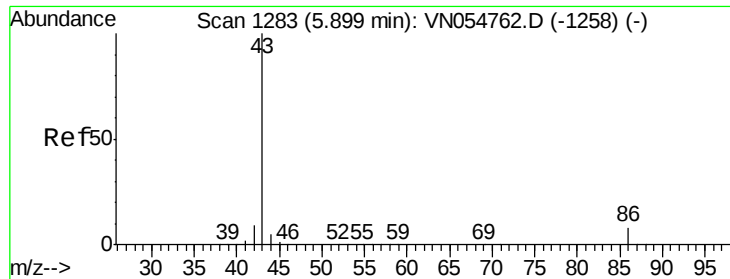


#22

Diisopropyl ether
Concen: 22.703 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.2	72.2
87	22.2	24.9	37.3
59	9.6	9.5	14.3





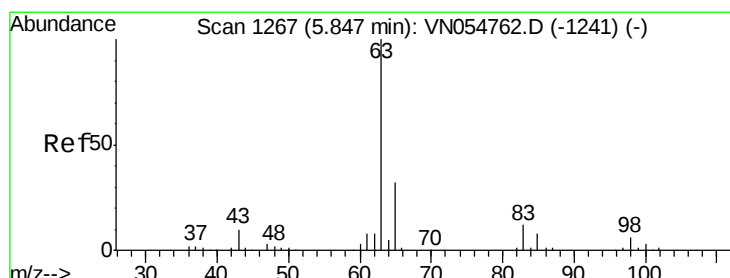
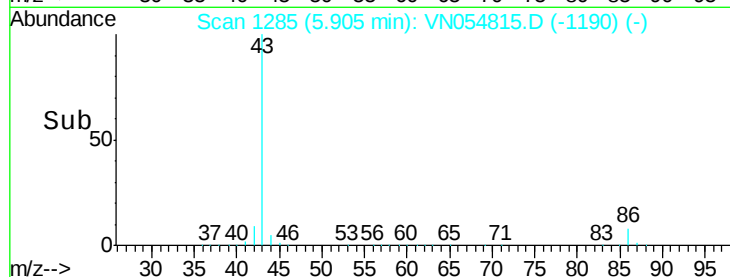
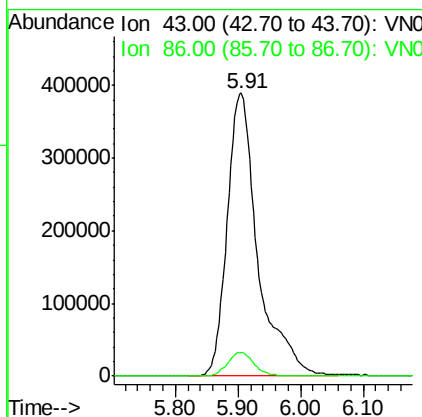
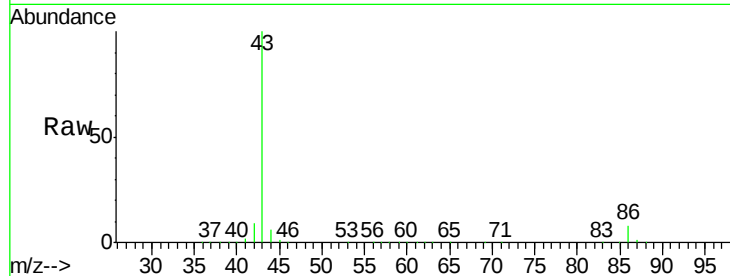
#23
 Vinyl Acetate
 Concen: 120.522 ug/l
 RT: 5.91 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Tot Ion: 43 Resp: 1320435
 Ion Ratio Lower Upper
 43 100
 86 8.5 9.1 13.7#

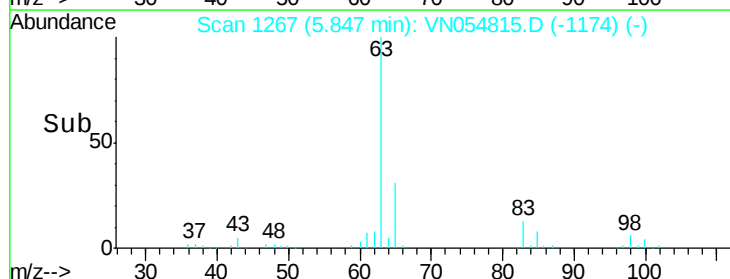
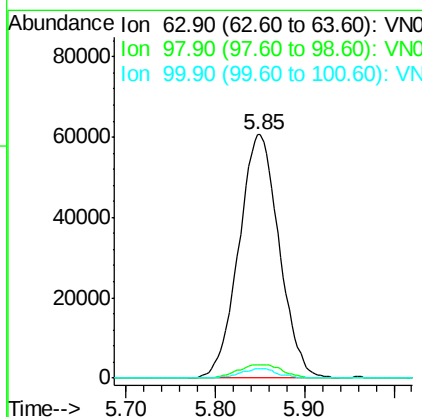
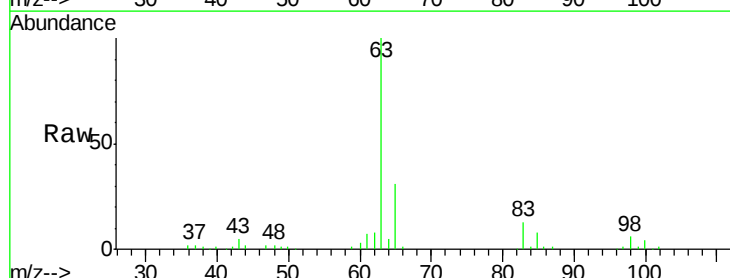
Manual Integrations
 APPROVED

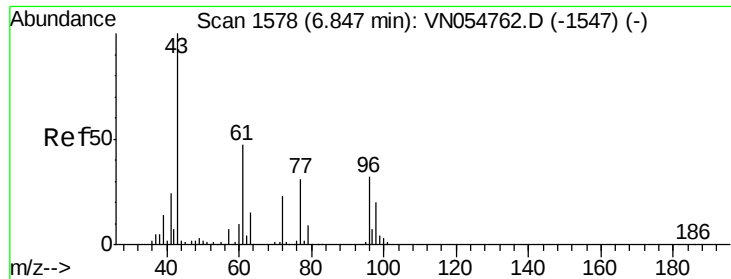
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 22.710 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 63 Resp: 190721
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.5 10.5
 100 4.0 2.0 6.0





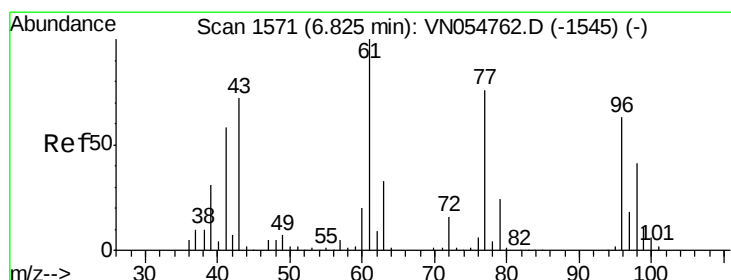
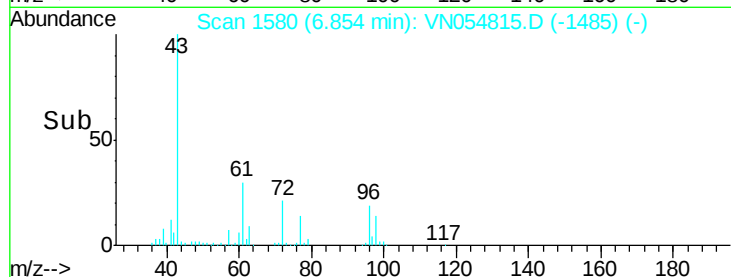
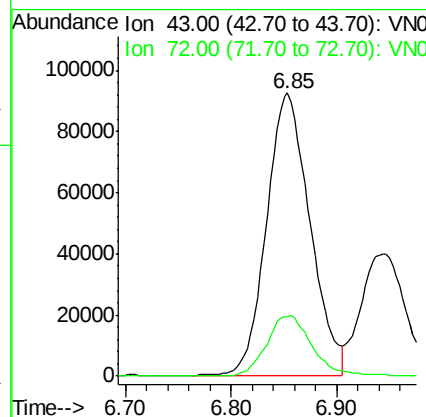
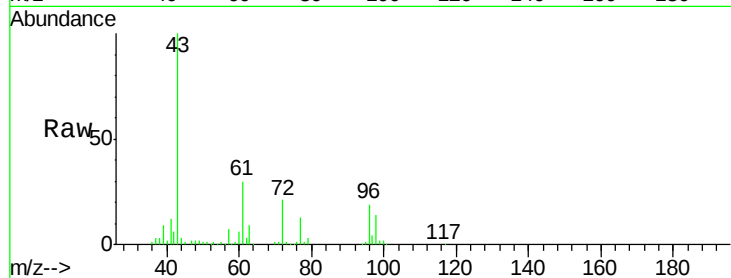
#25
2-Butanone
Concen: 134.992 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion: 43 Resp: 263712
Ion Ratio Lower Upper
43 100
72 21.3 23.0 34.6#

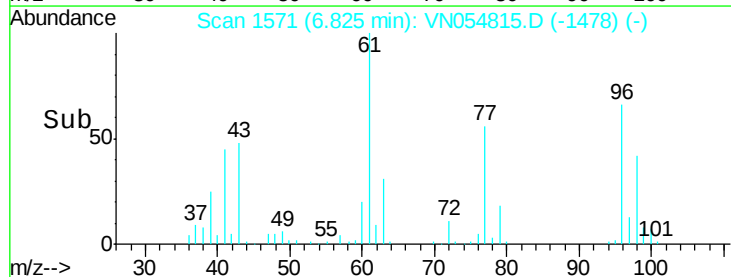
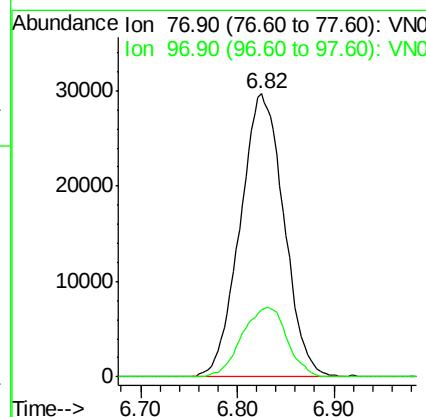
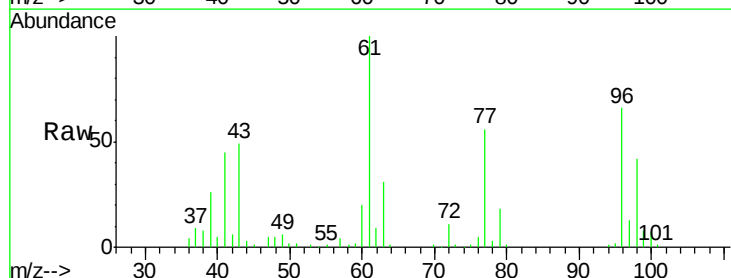
Manual Integrations
APPROVED

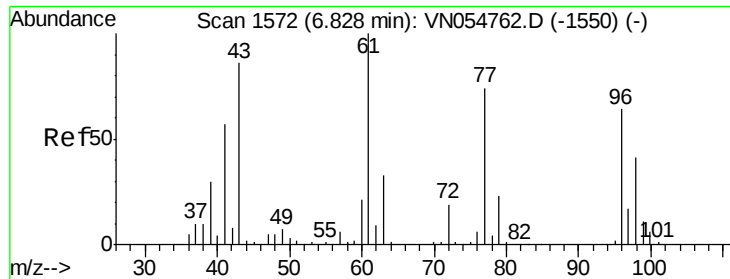
MMDadoda
4/1/2019 1:32:26 PM



#26
2,2-Dichloropropane
Concen: 15.845 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 77 Resp: 93264
Ion Ratio Lower Upper
77 100
97 25.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.033 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

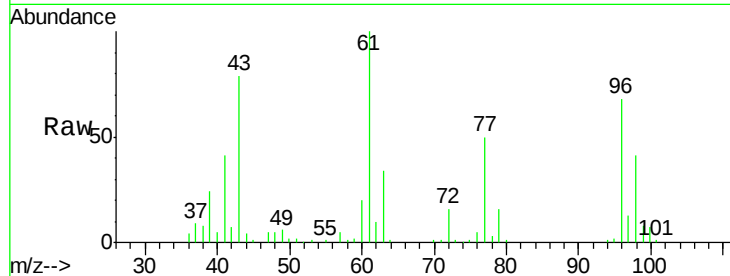
ClientSampleId :

VN0330WBSD01

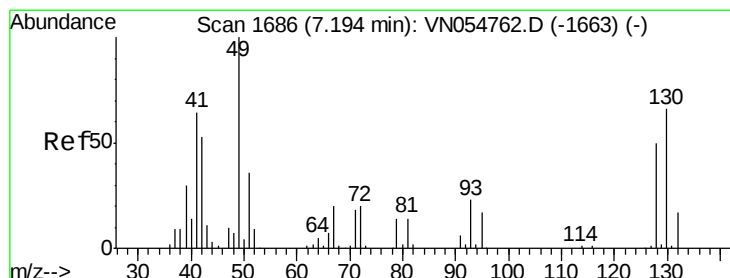
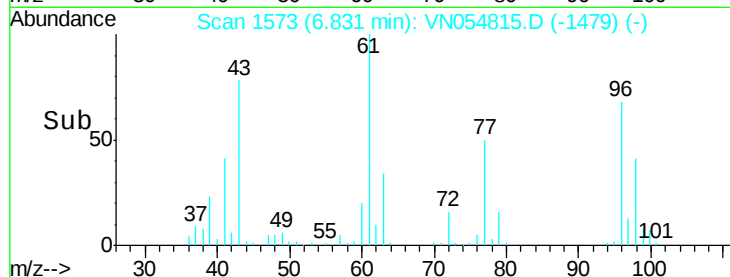
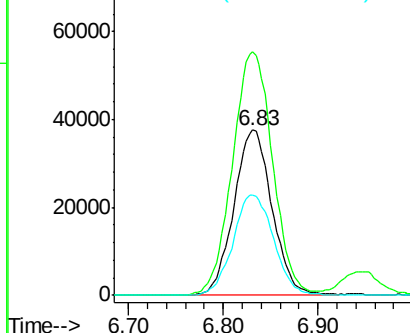
Tot Ion:	96	Resp:	105653
Ion	Ratio	Lower	Upper
96	100		
61	154.6	0.0	273.0
98	64.5	0.0	130.6

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 24.120 ug/l

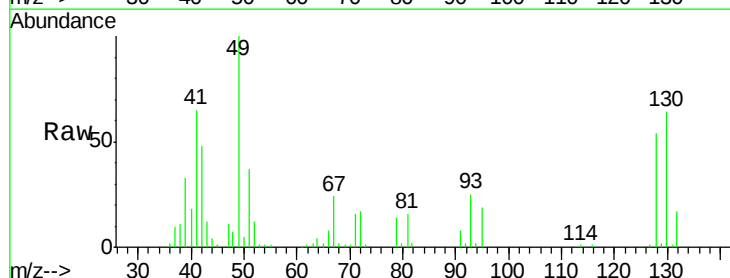
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

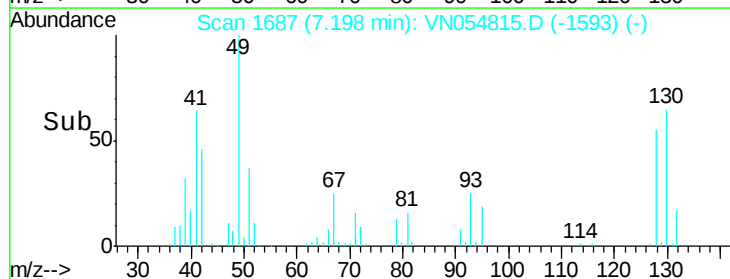
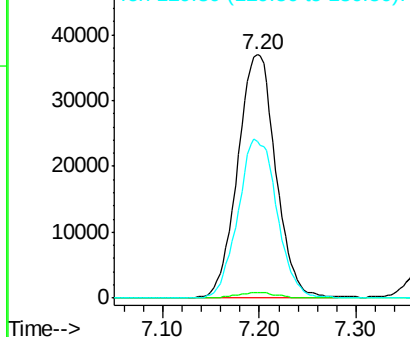
Lab File: VN054815.D

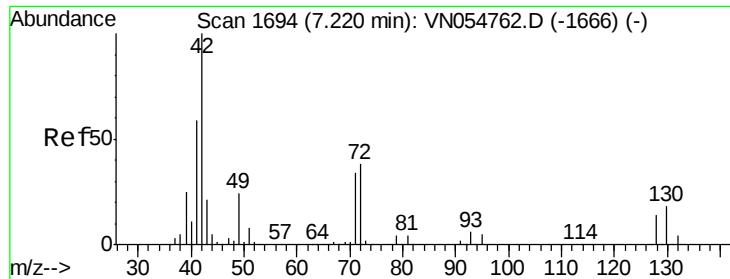
Acq: 30 Mar 2019 20:52

Tgt Ion:	49	Resp:	101291
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	66.8	76.7	115.1#



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO





#29

Tetrahydrofuran

Concen: 131.558 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

Tot Ion: 42 Resp: 178501

Ion Ratio Lower Upper

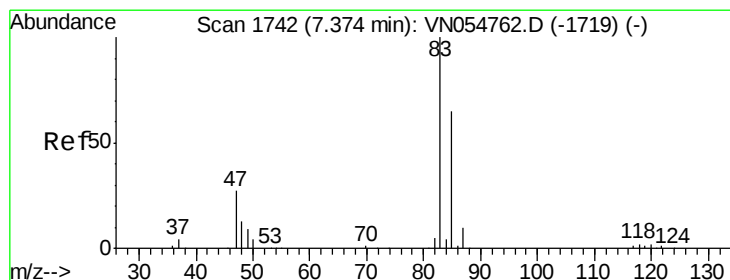
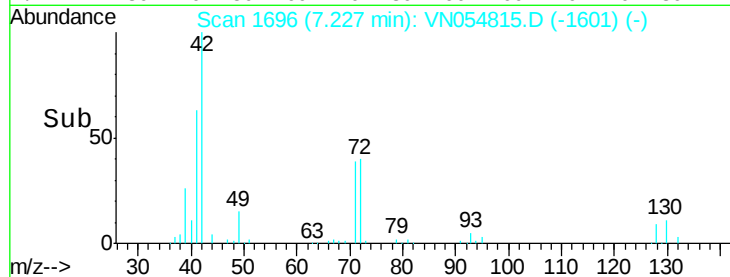
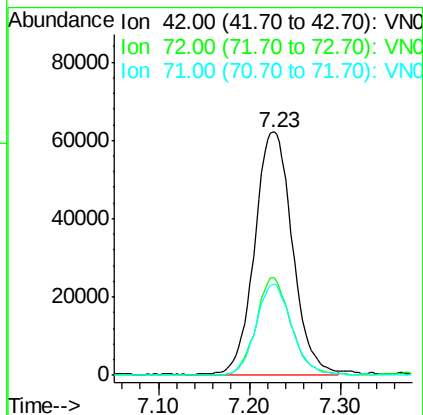
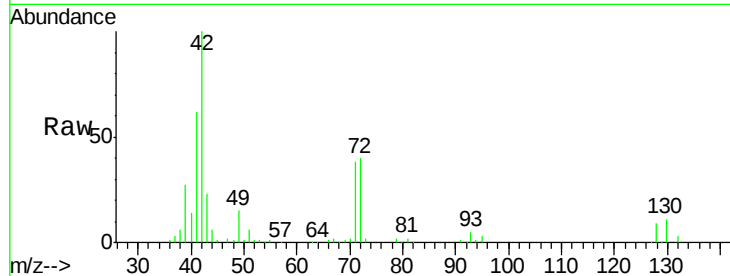
42 100

72 37.5 37.8 56.6#

71 35.9 36.2 54.2#

Manual Integrations
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#30

Chloroform

Concen: 23.029 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054815.D

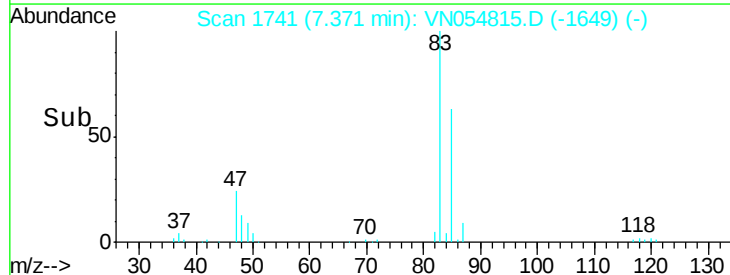
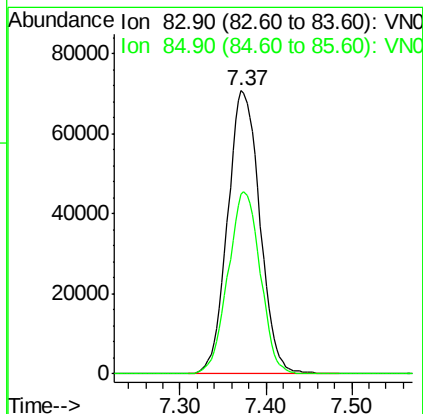
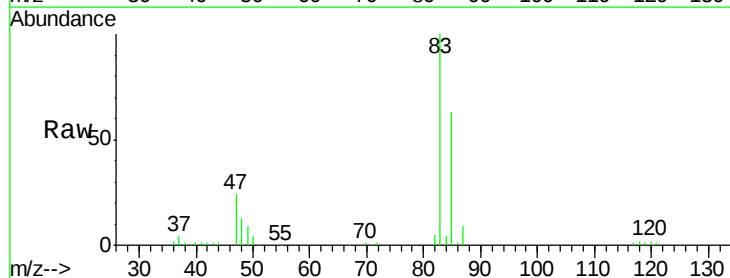
Acq: 30 Mar 2019 20:52

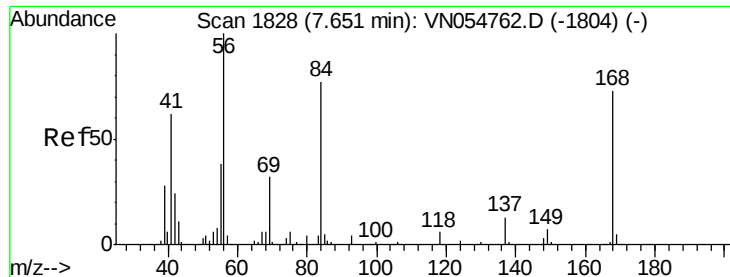
Tgt Ion: 83 Resp: 184419

Ion Ratio Lower Upper

83 100

85 63.3 52.2 78.4





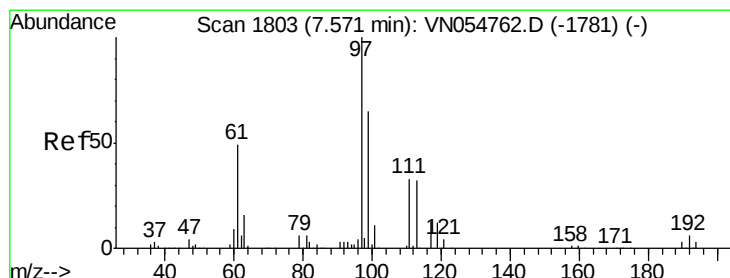
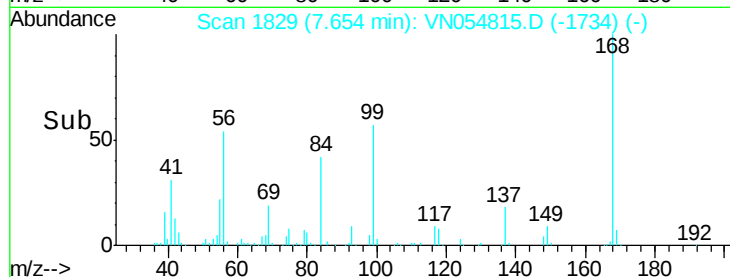
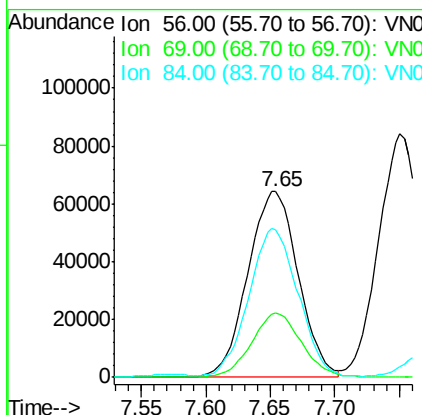
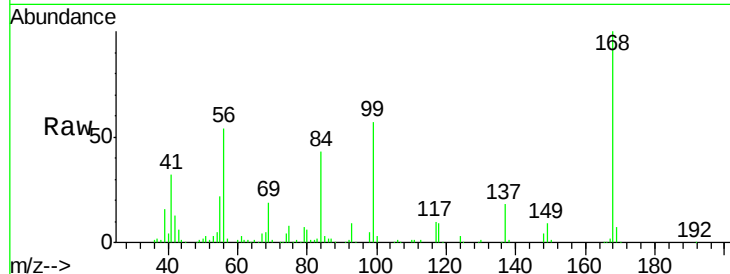
#31
Cyclohexane
Concen: 21.690 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.8	41.6
84	78.2	74.6	111.8

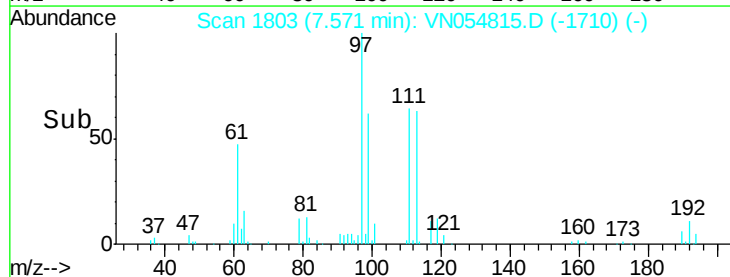
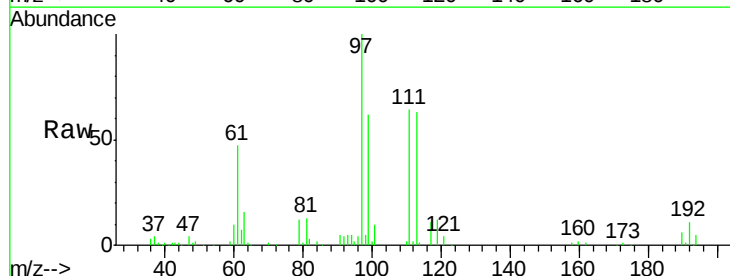
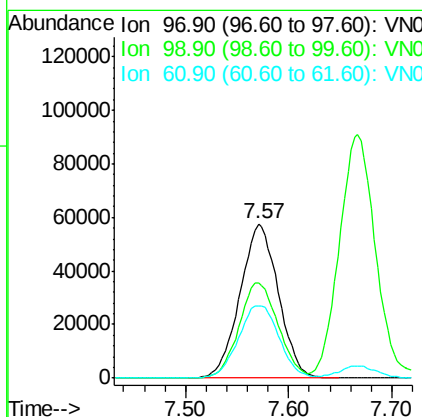
Manual Integrations
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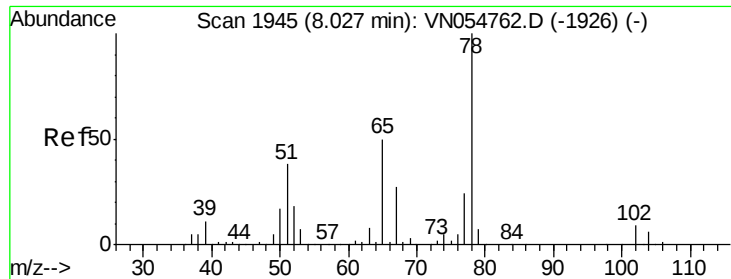
MMDadoda
4/1/2019 1:32:26 PM



#32
1,1,1-Trichloroethane
Concen: 22.430 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.5	77.3
61	50.0	33.6	50.4





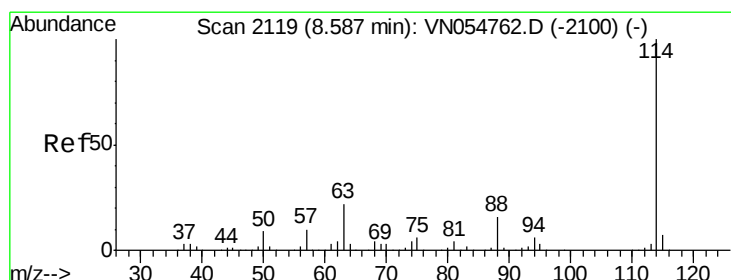
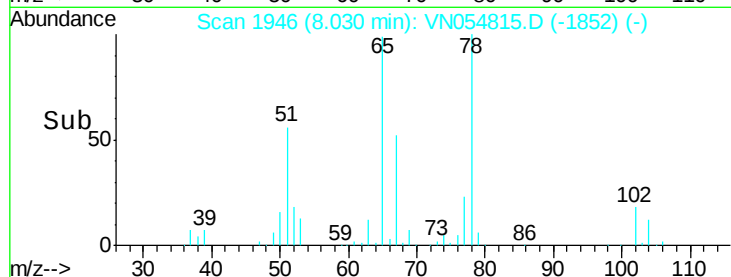
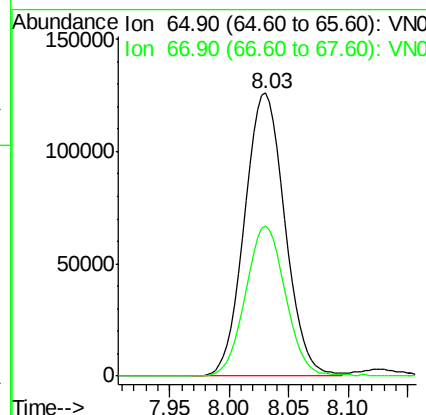
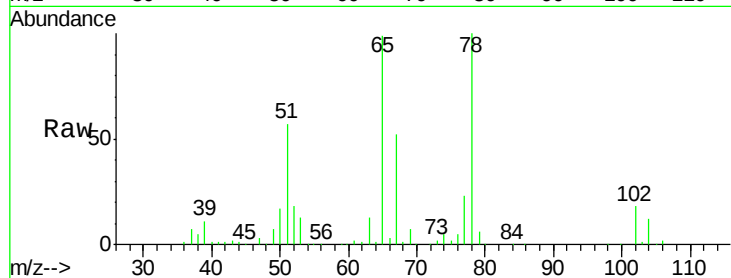
#33
 1,2-Dichloroethane-d4
 Concen: 53.561 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	296835		
67	52.3	0.0	104.6	

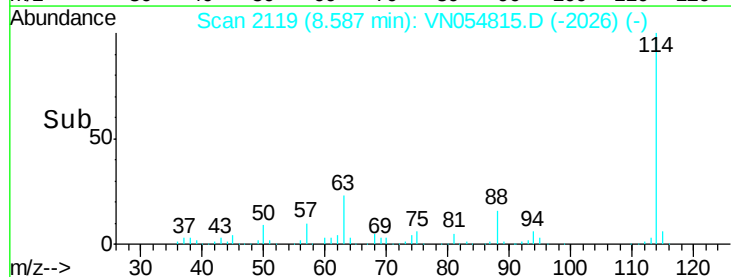
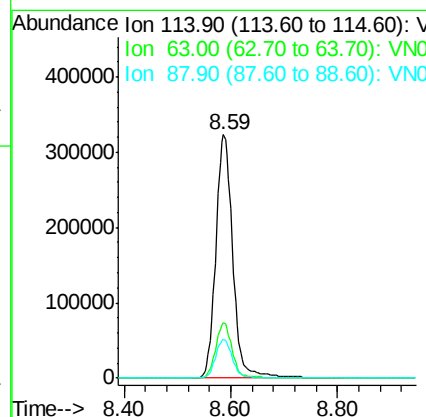
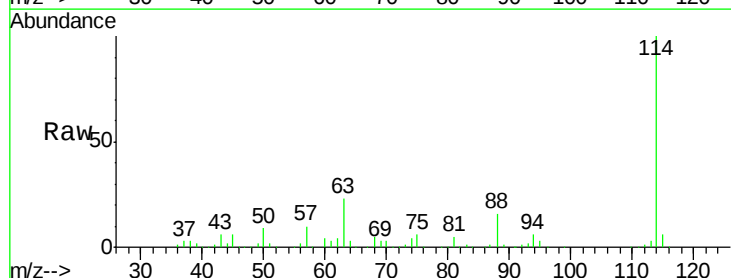
Manual Integrations
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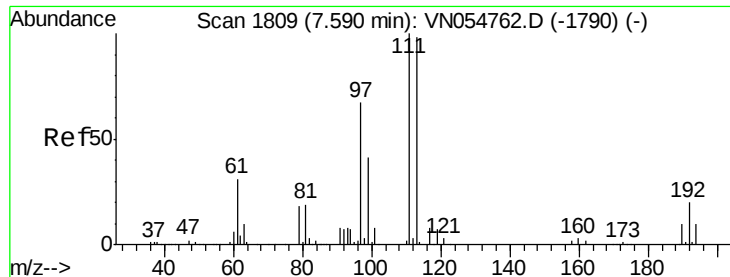
MMDadoda
 4/1/2019 1:32:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	716702		
63	22.7	0.0	35.2	
88	15.8	0.0	30.2	





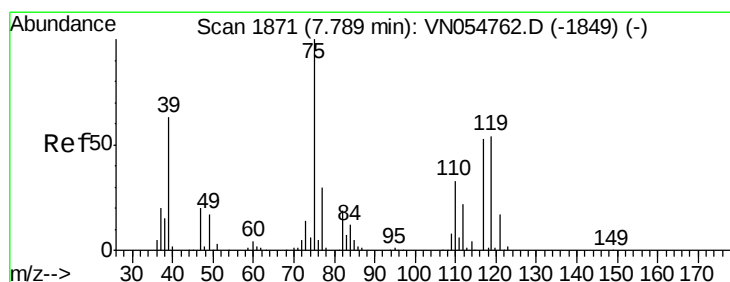
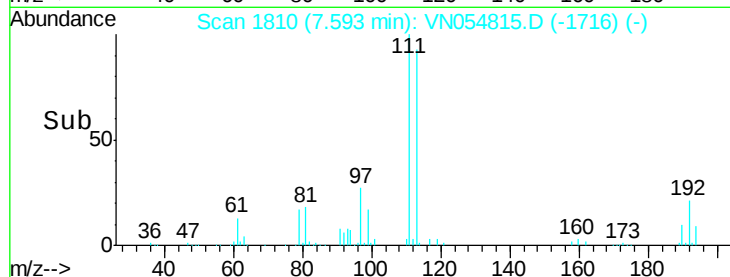
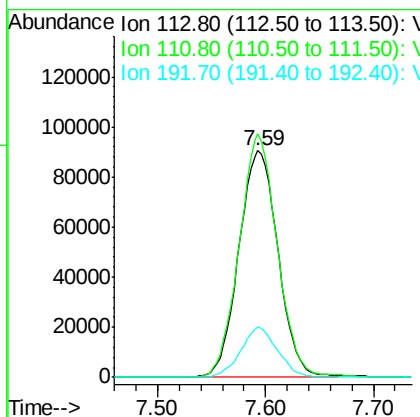
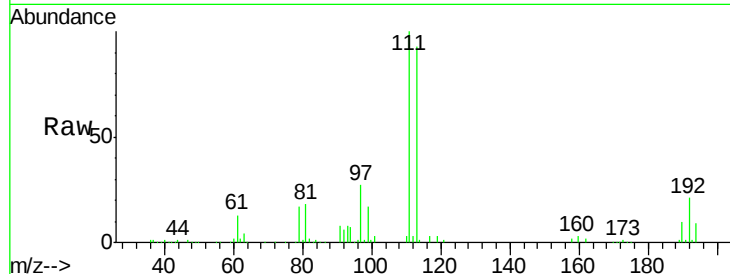
#35
Dibromofluoromethane
Concen: 47.868 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.8	82.2	123.4	
192	20.8	19.2	28.8	

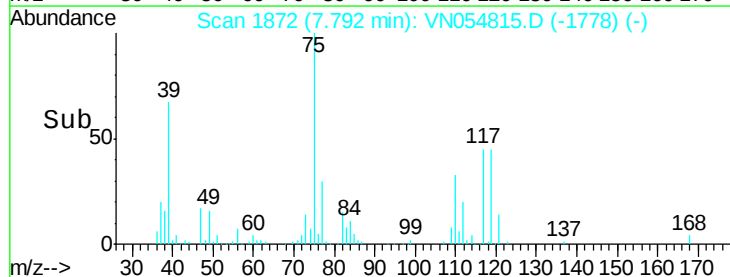
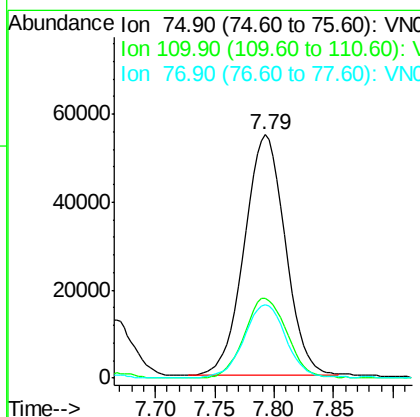
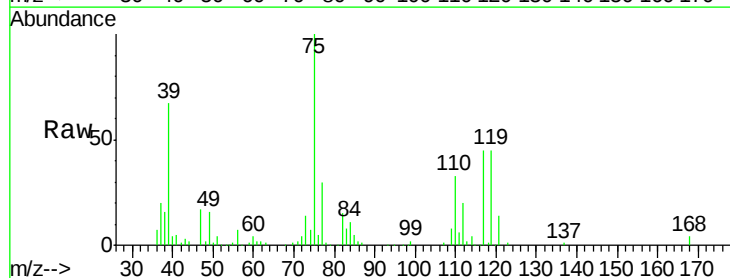
Manual Integrations
APPROVED

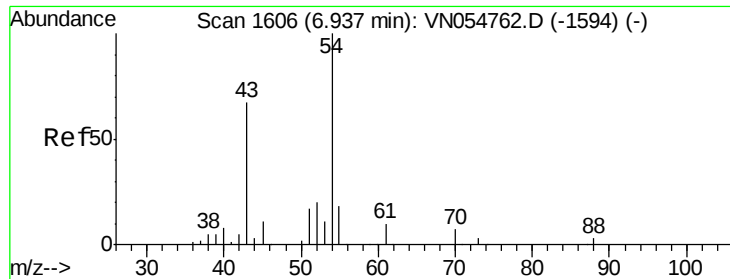
MMDadoda
4/1/2019 1:32:26 PM



#36
1,1-Dichloropropene
Concen: 19.600 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.4	19.1	57.5	
77	31.6	25.0	37.4	





#37

Ethyl Acetate

Concen: 23.142 ug/l

RT: 6.95 min Scan# 1609

Delta R.T. 0.01 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

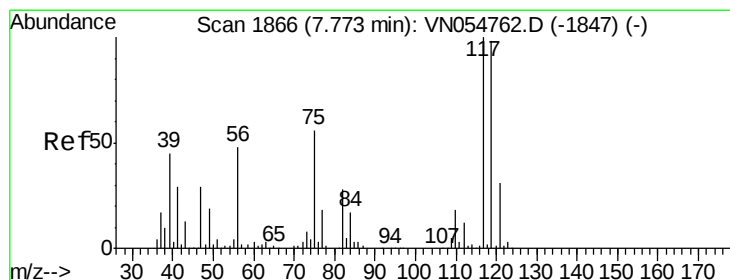
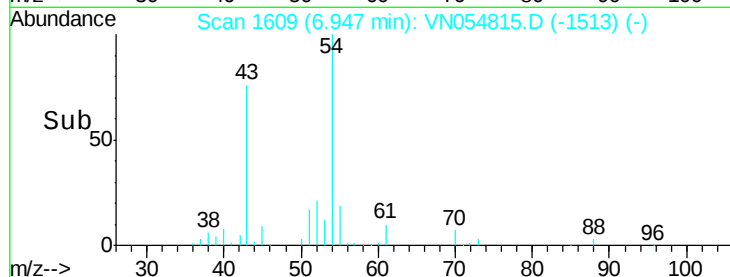
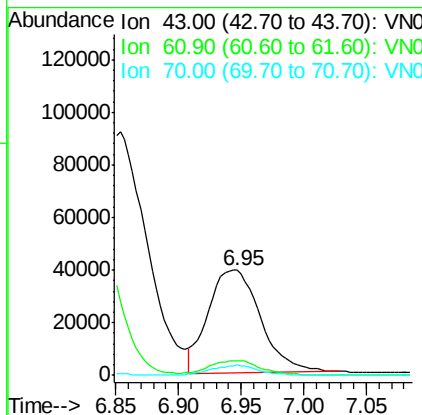
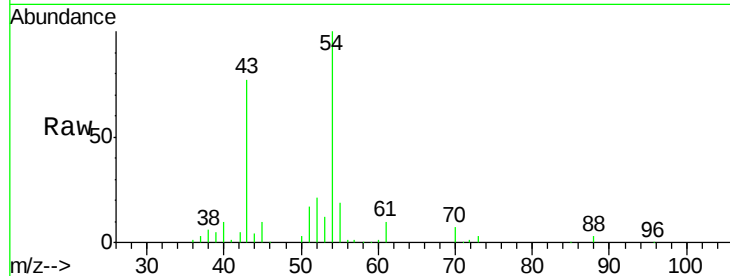
ClientSampleId :

VN0330WBSD01

Tot Ion:	43	Resp:	113333
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.8	17.6
70	9.1	8.4	12.6

Manual Integrations
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4/1/2019 1:32:26 PM



#38

Carbon Tetrachloride

Concen: 19.276 ug/l

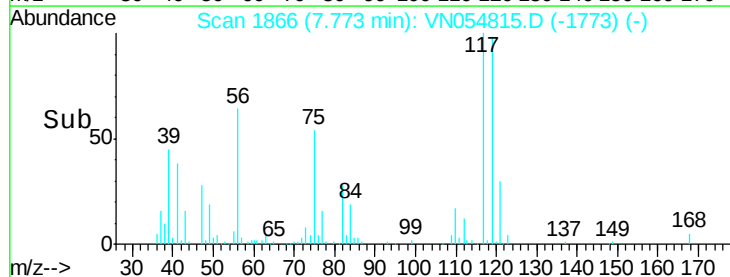
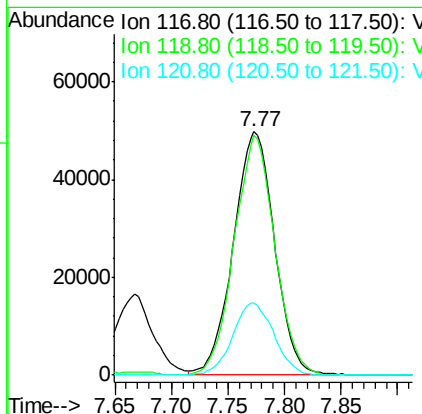
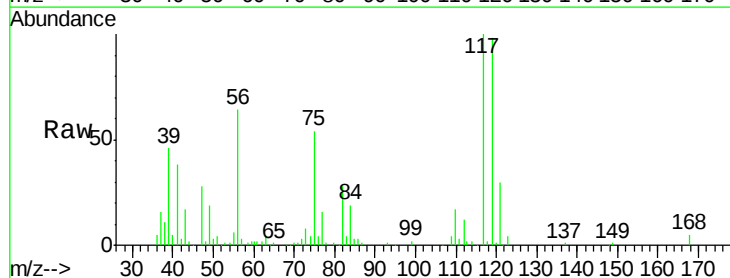
RT: 7.77 min Scan# 1866

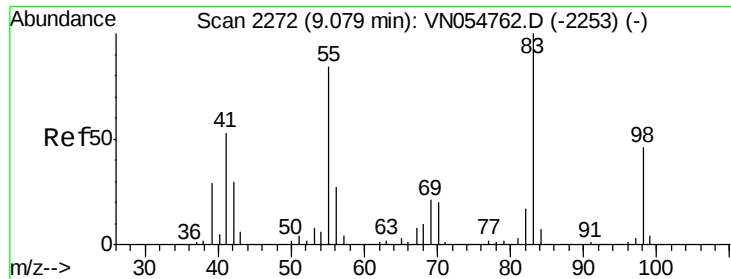
Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion:	117	Resp:	125035
Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.3	114.5
121	29.8	24.6	36.8





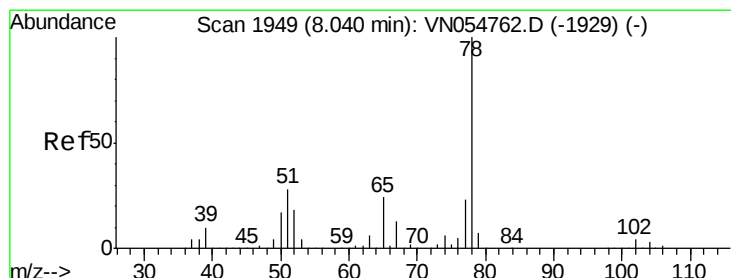
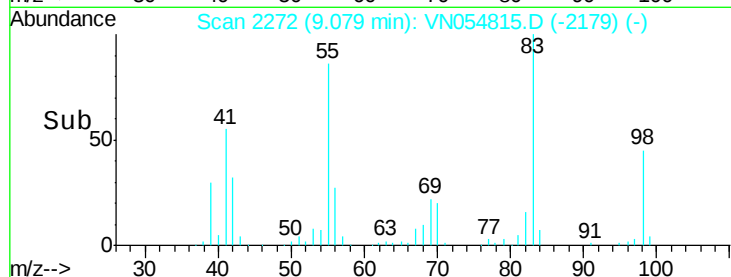
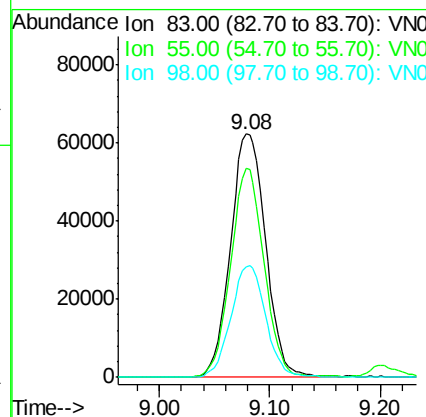
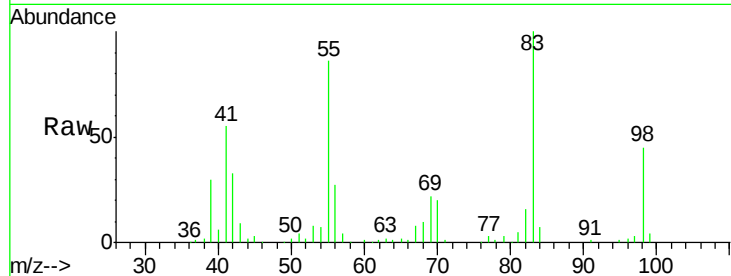
#39
Methvlcvclohexane
Concen: 18.752 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	56.6	84.8#
98	45.5	38.4	57.6

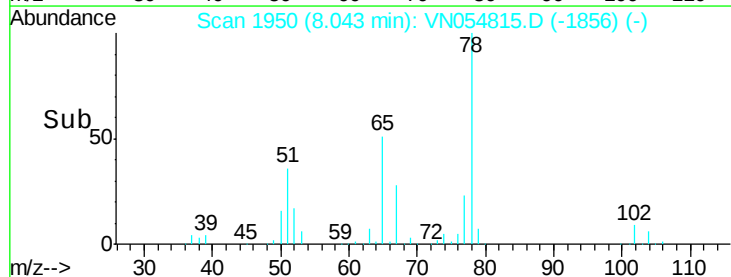
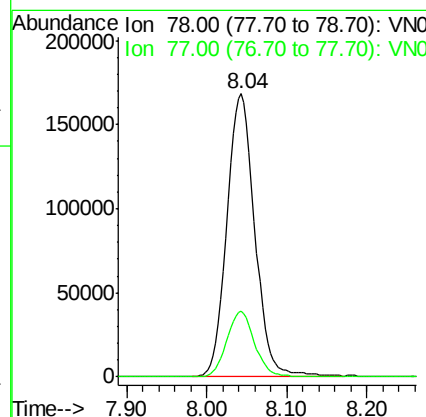
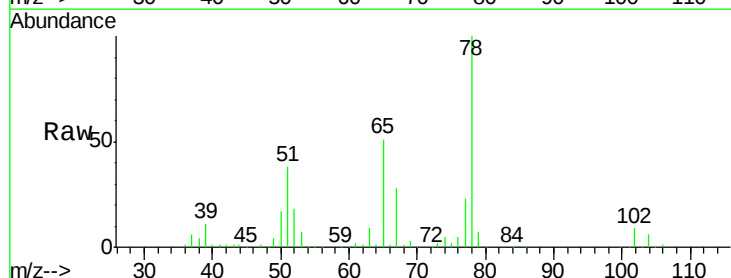
Manual Integrations
APPROVED

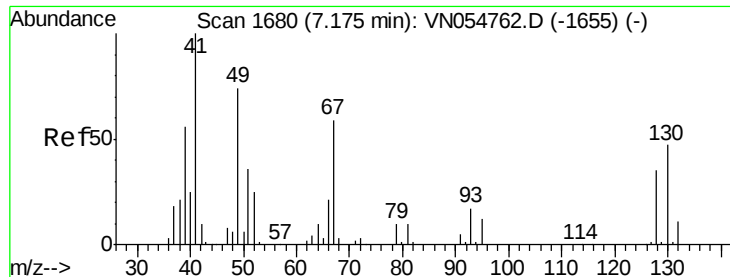
MMDadoda
4/1/2019 1:32:26 PM



#40
Benzene
Concen: 21.214 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





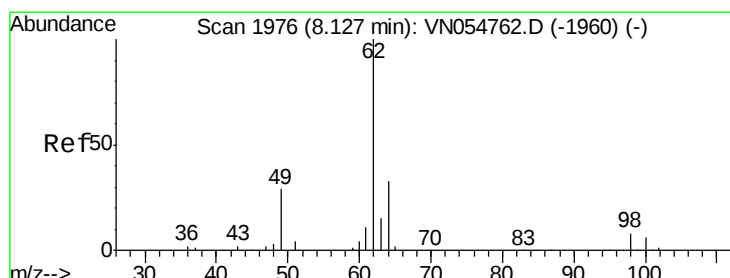
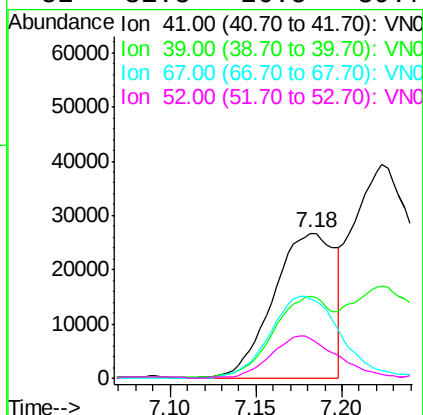
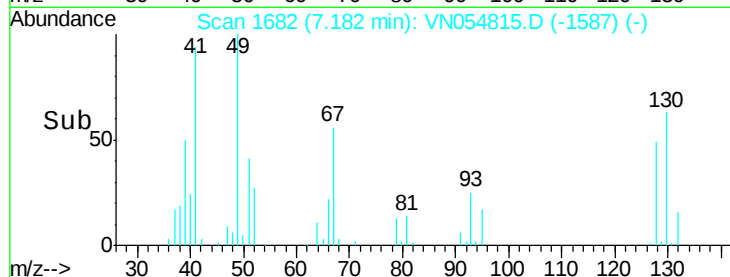
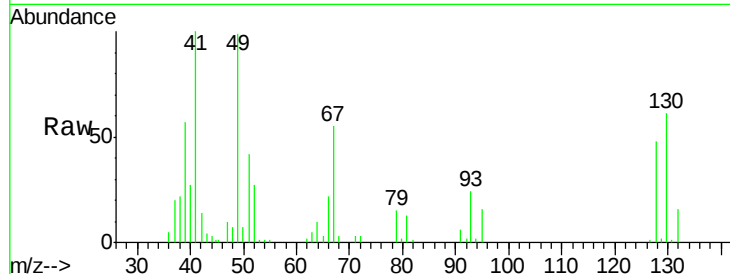
#41
Methacrylonitrile
Concen: 24.245 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	41	Resp	66701
Ion Ratio	100	Lower	Upper
41	100		
39	50.6	46.8	70.2
67	65.8	67.0	100.4
52	31.8	26.5	39.7

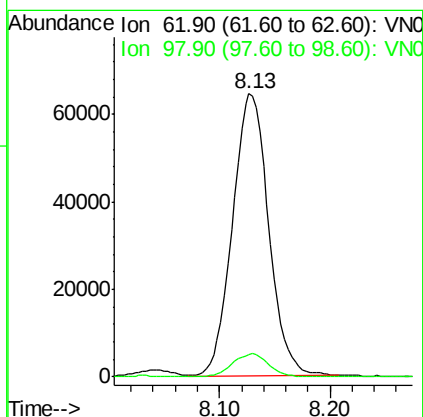
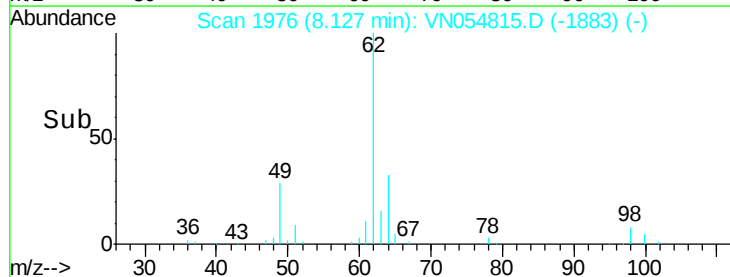
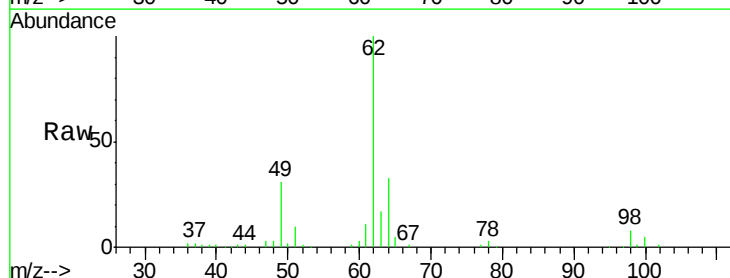
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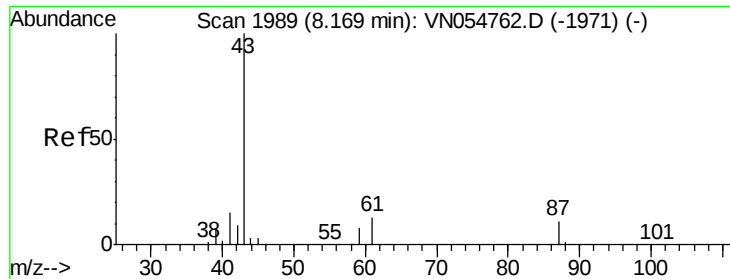
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.532 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	62	Resp	146917
Ion Ratio	100	Lower	Upper
62	100		
98	8.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 24.153 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

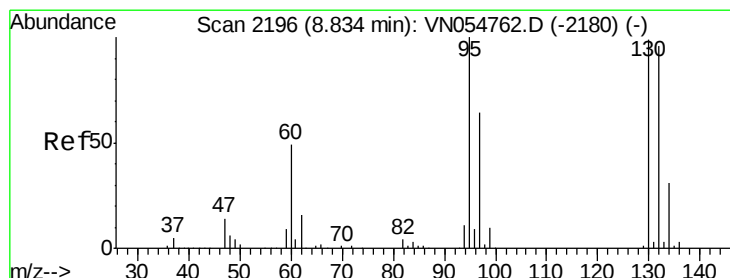
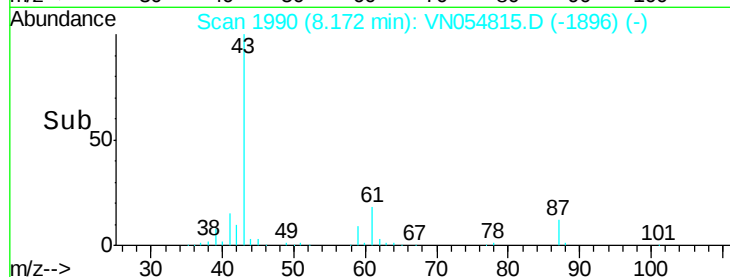
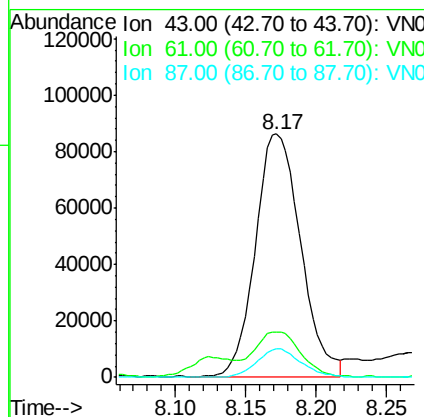
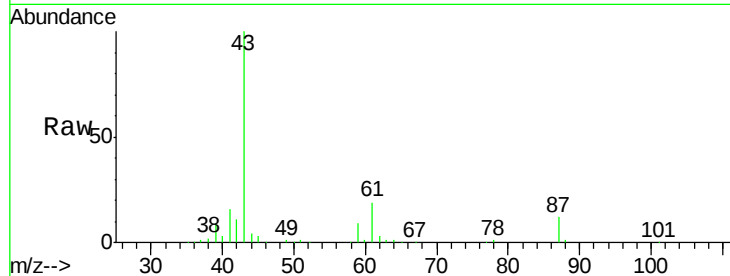
ClientSampleId :

VN0330WBSD01

Tot Ion:	43	Resp:	192200
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.8	23.8
87	11.6	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 20.299 ug/l

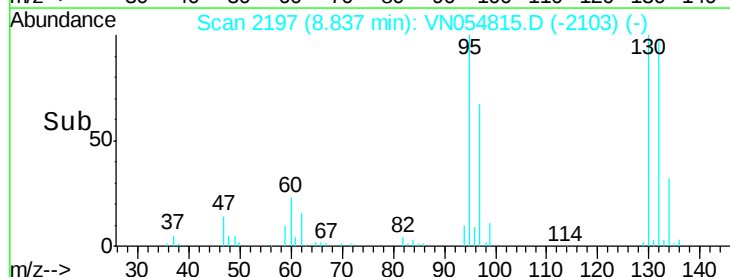
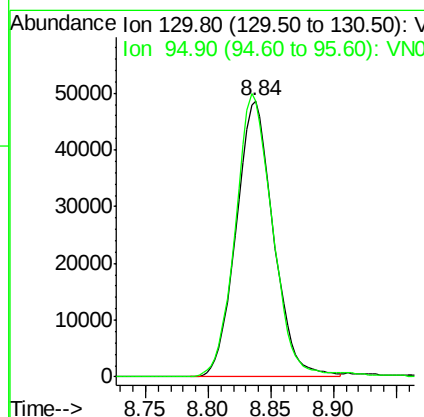
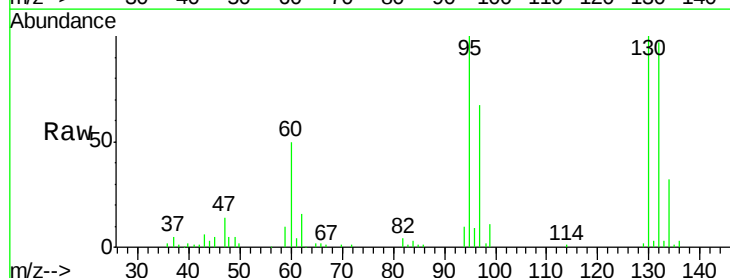
RT: 8.84 min Scan# 2197

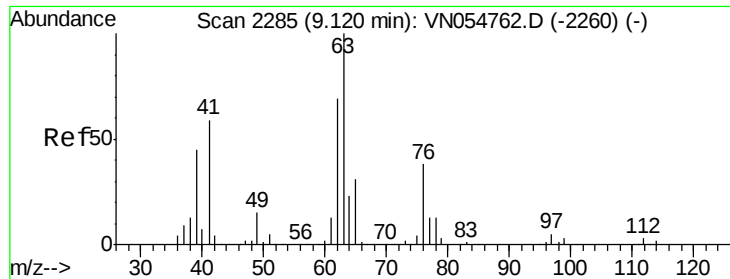
Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion:	130	Resp:	100695
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	185.2





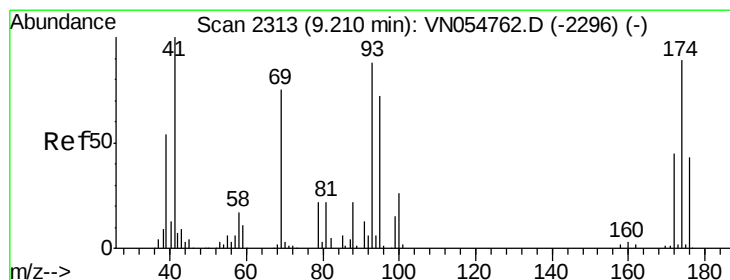
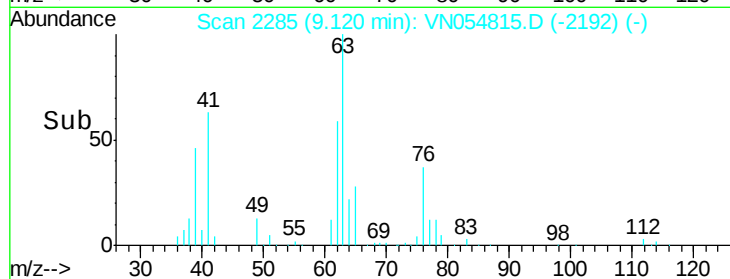
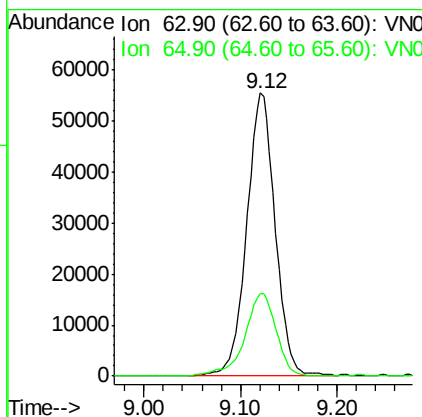
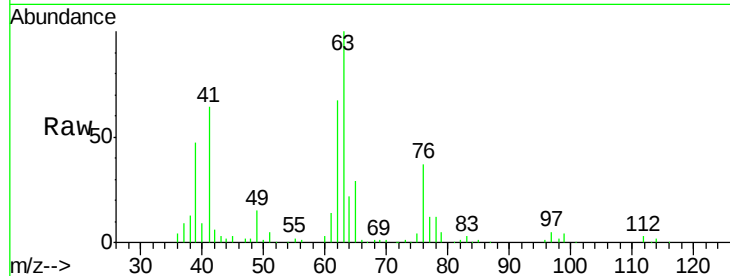
#45
 1,2-Dichloropropane
 Concen: 20.801 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Tot Ion: 63 Resp: 113342
 Ion Ratio Lower Upper
 63 100
 65 29.0 25.0 37.6

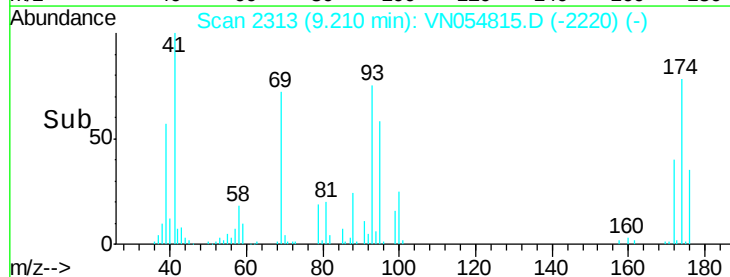
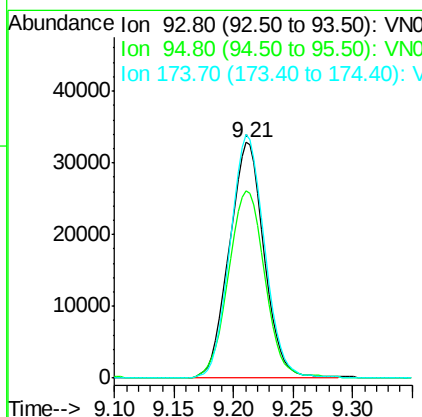
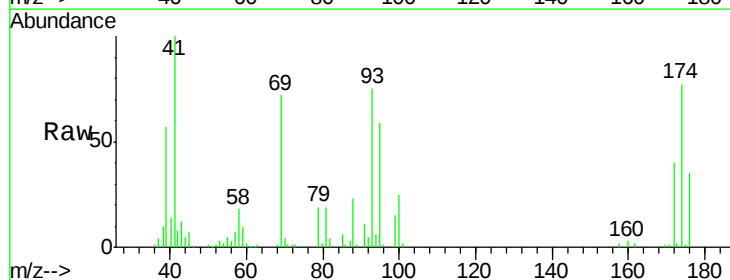
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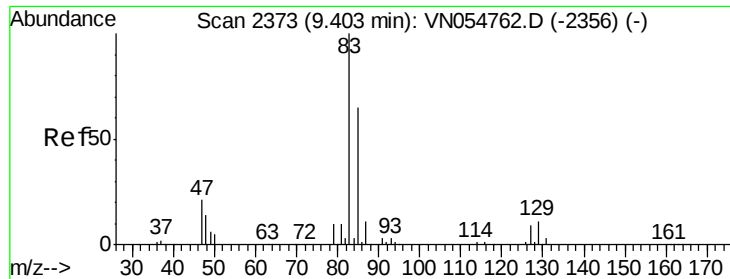
MMDadoda
 4/1/2019 1:32:26 PM



#46
 Dibromomethane
 Concen: 21.795 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 93 Resp: 66804
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.7 100.1
 174 101.9 98.5 147.7





#47

Bromodichloromethane

Concen: 21.410 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

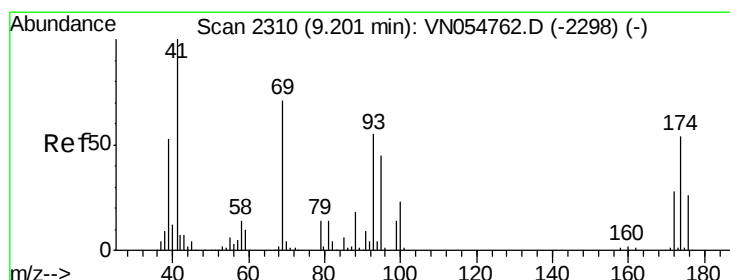
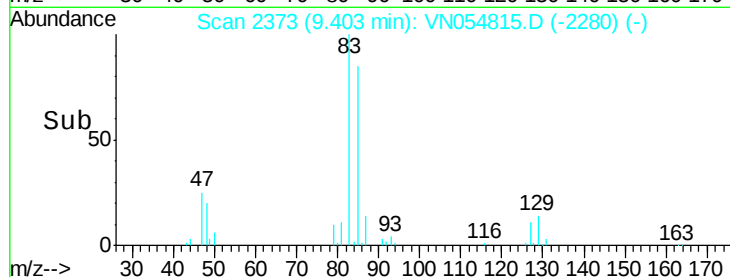
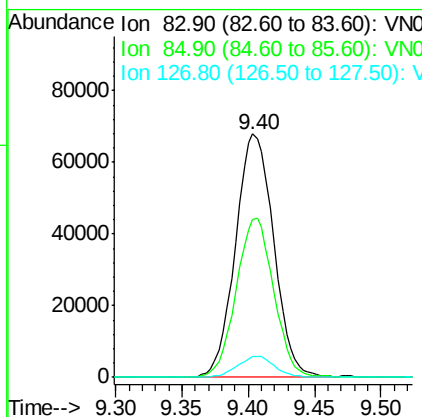
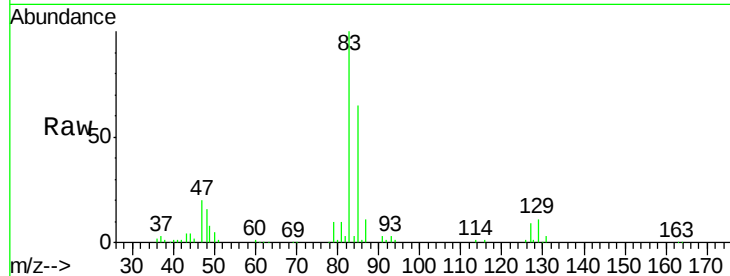
ClientSampleId :

VN0330WBSD01

Tot Ion:	83	Resp:	136386
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.8	79.2
127	8.6	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.053 ug/l

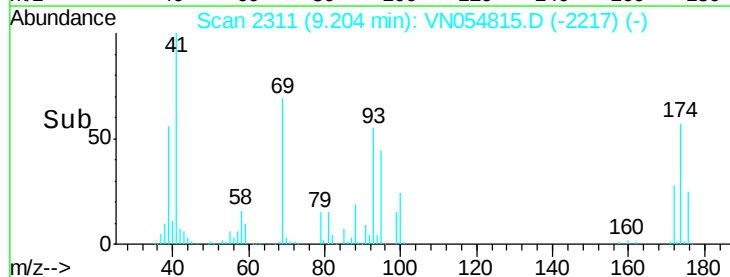
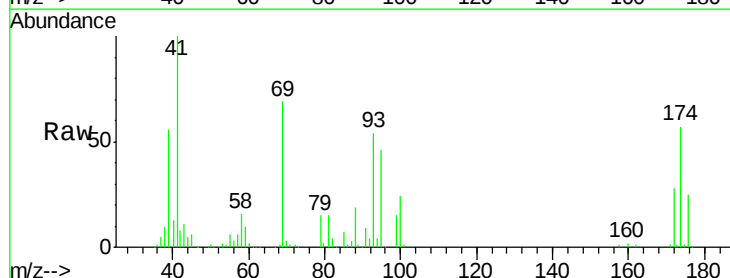
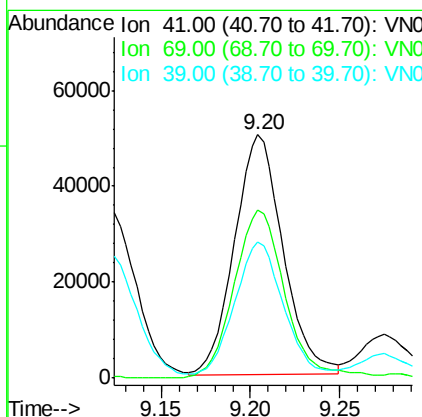
RT: 9.20 min Scan# 2311

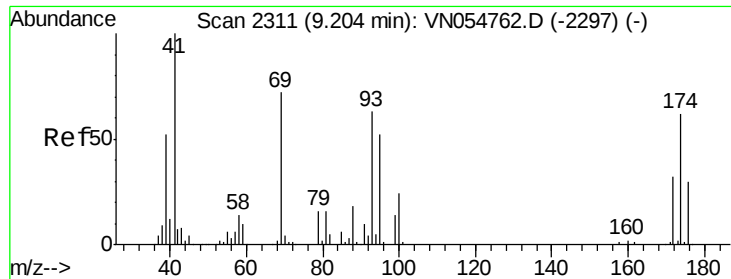
Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion:	41	Resp:	95126
Ion Ratio	Lower	Upper	
41	100		
69	73.6	72.6	108.8
39	56.5	47.5	71.3





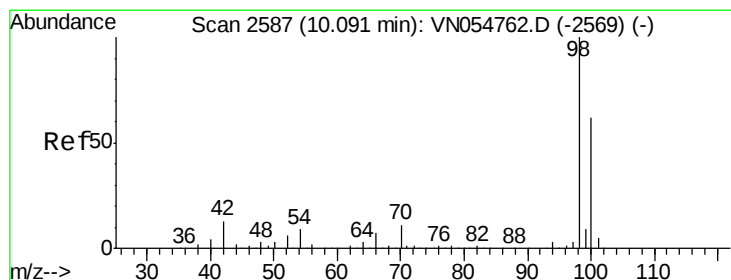
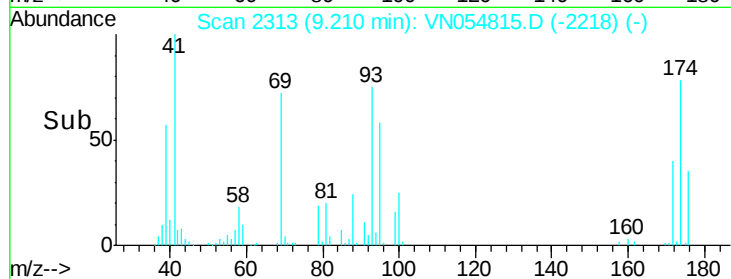
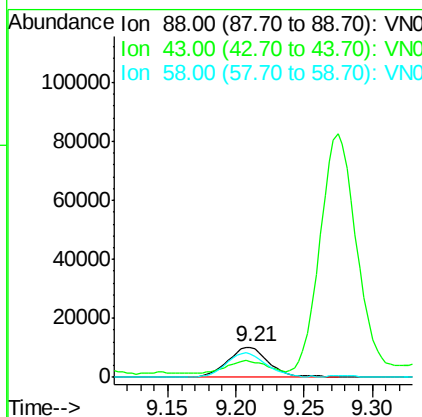
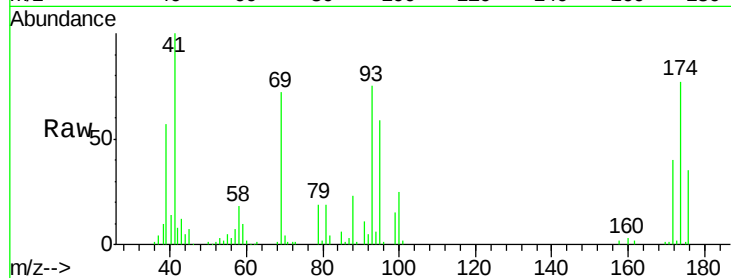
#49
1,4-Dioxane
Concen: 502.685 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	24.1	36.1#
58	79.3	50.8	76.2#

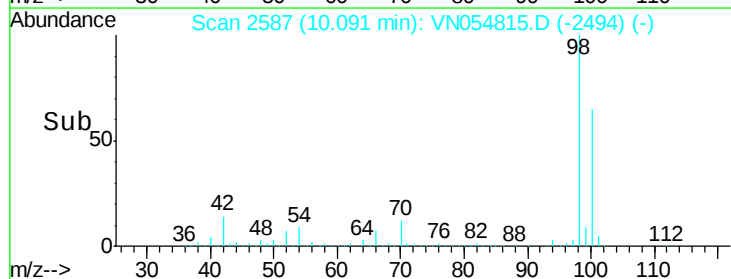
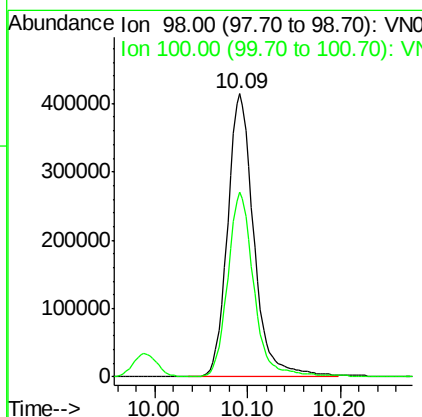
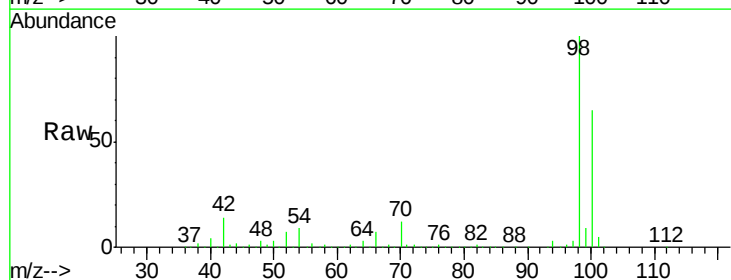
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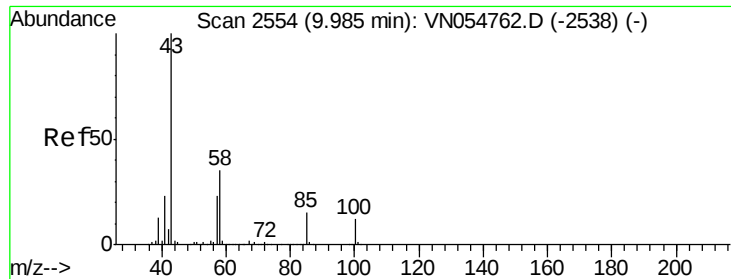
MMDadoda
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#50
Toluene-d8
Concen: 45.947 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 123.806 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

Tot Ion: 43 Resp: 553895

Ion Ratio Lower Upper

43 100

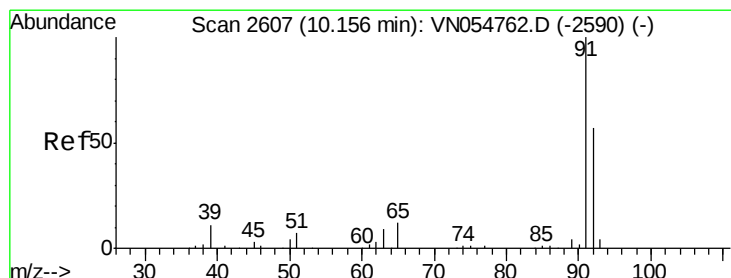
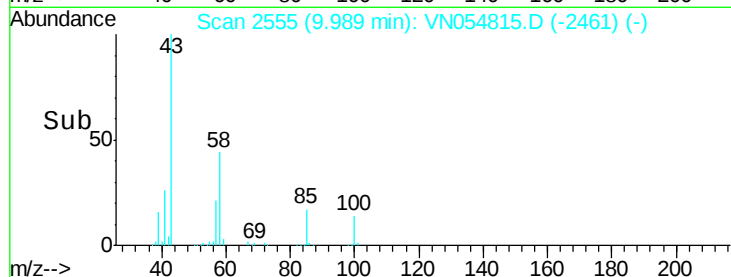
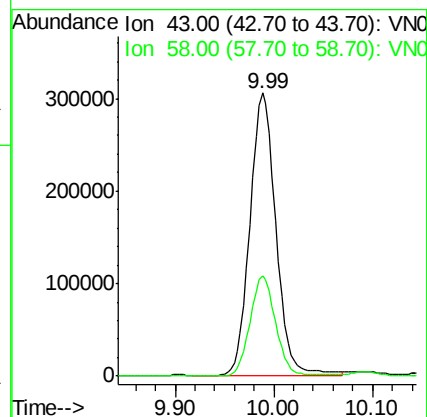
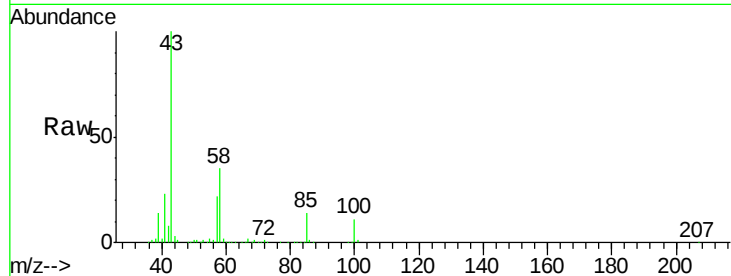
58 35.3 31.8 47.6

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#52

Toluene

Concen: 20.333 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054815.D

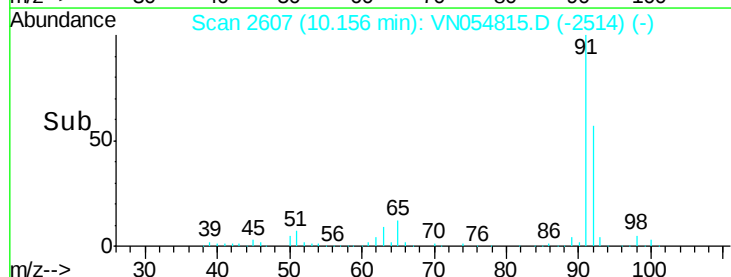
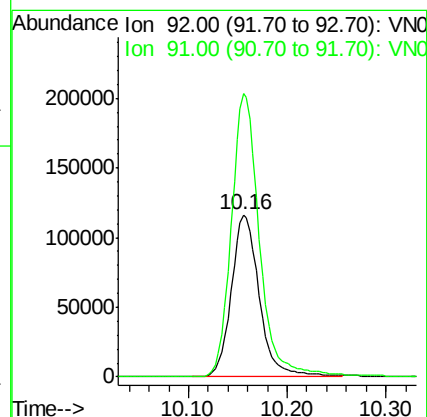
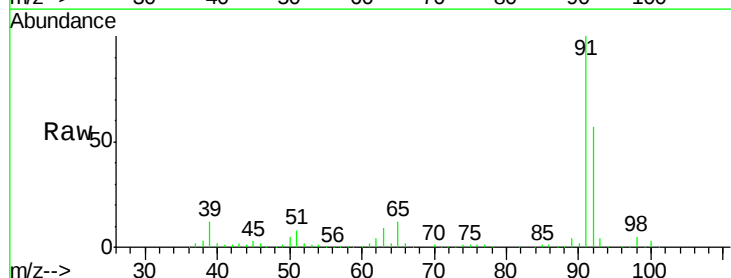
Acq: 30 Mar 2019 20:52

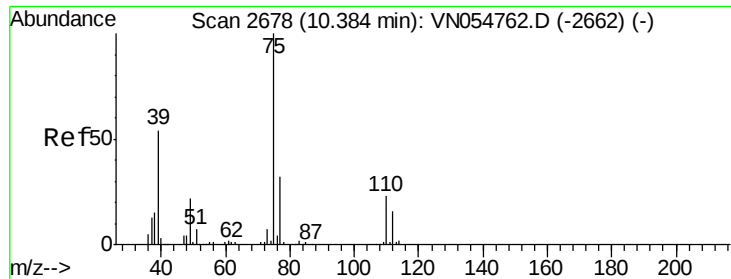
Tgt Ion: 92 Resp: 231201

Ion Ratio Lower Upper

92 100

91 176.4 140.7 211.1





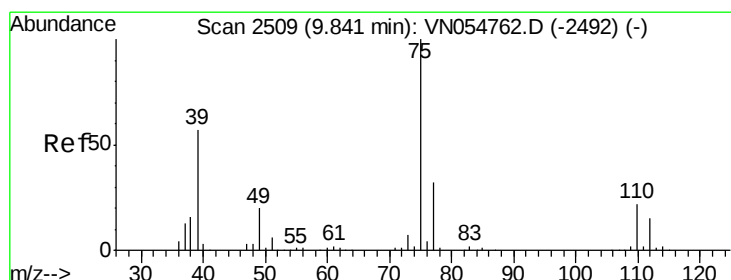
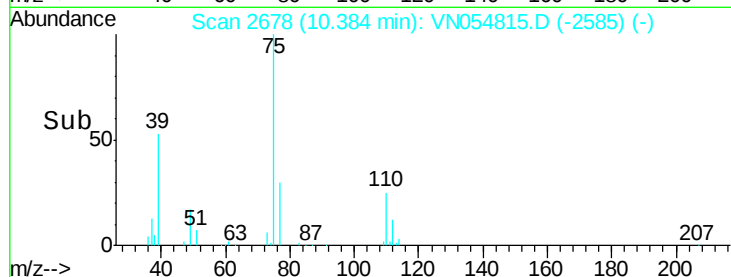
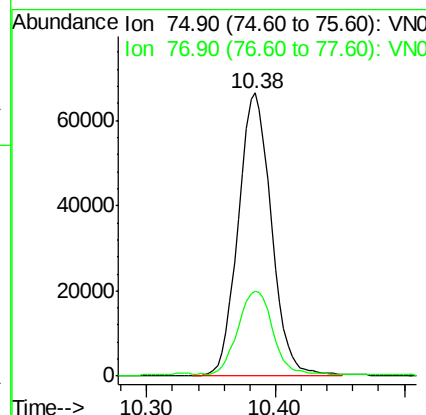
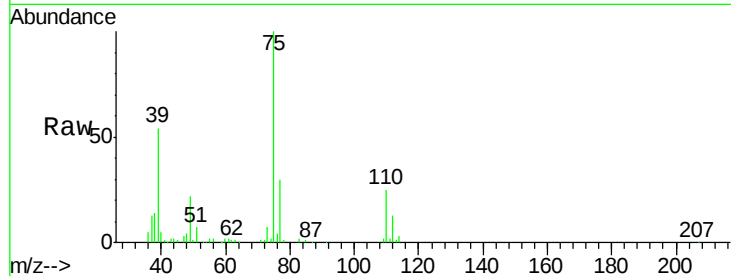
#53
 t-1,3-Dichloropropene
 Concen: 19.874 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.8	38.8

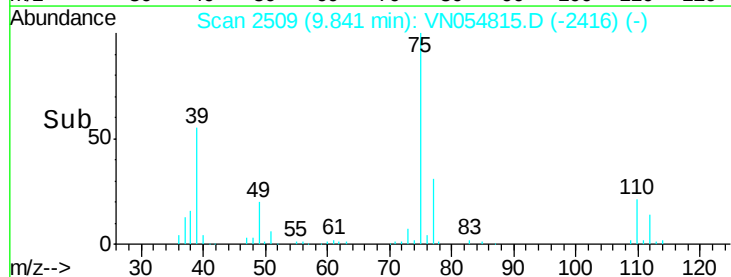
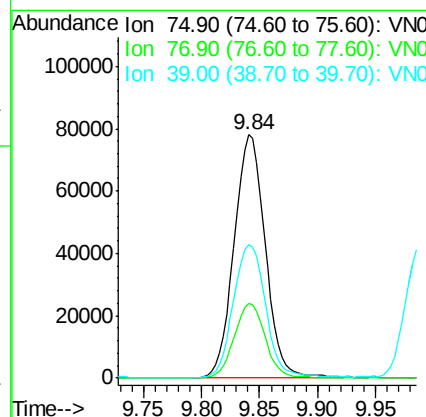
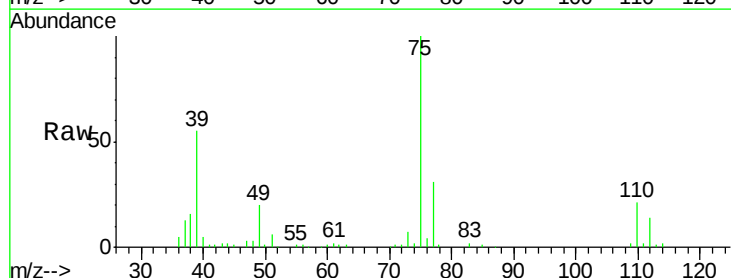
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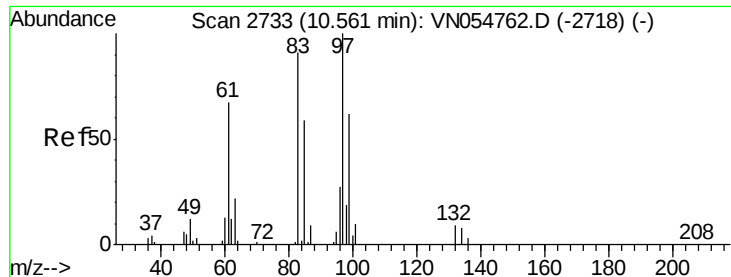
MMDadoda
 4/1/2019 1:32:26 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.392 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0
39	54.7	37.2	55.8





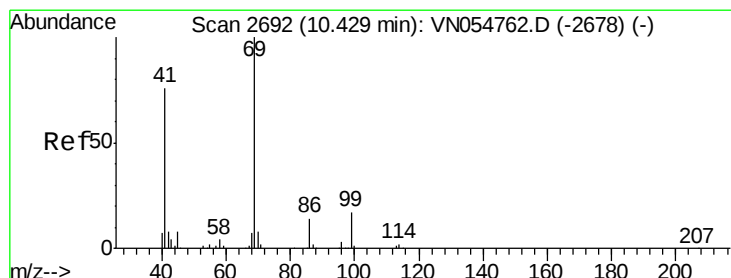
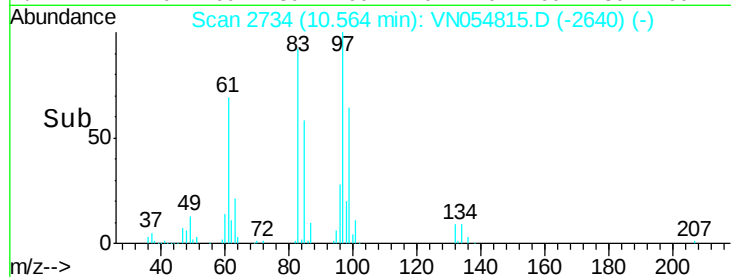
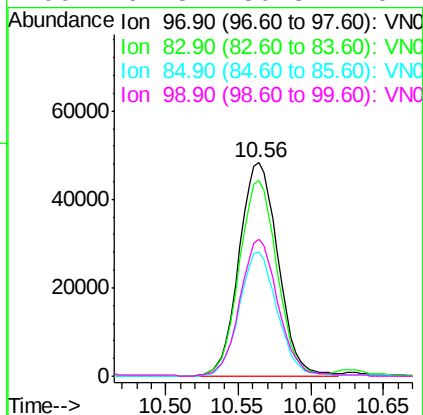
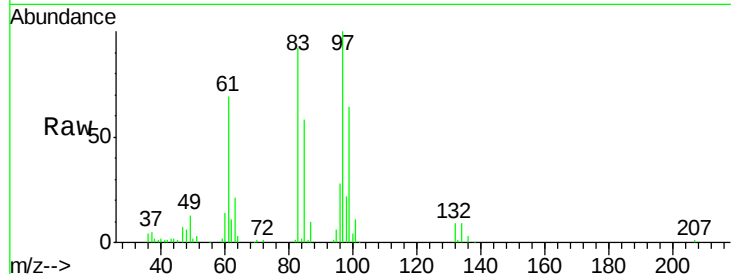
#55
 1,1,2-Trichloroethane
 Concen: 21.448 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Tot Ion:	97	Resp:	90682
Ion	Ratio	Lower	Upper
97	100		
83	91.9	66.6	100.0
85	58.2	44.4	66.6
99	64.3	50.8	76.2

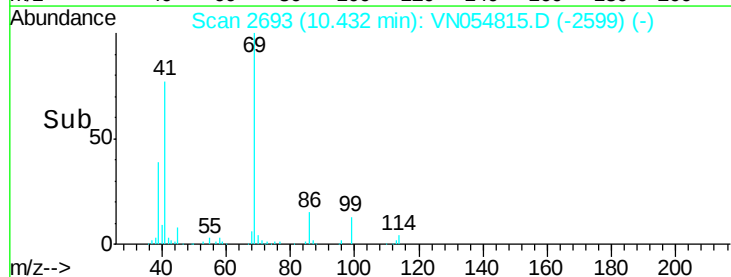
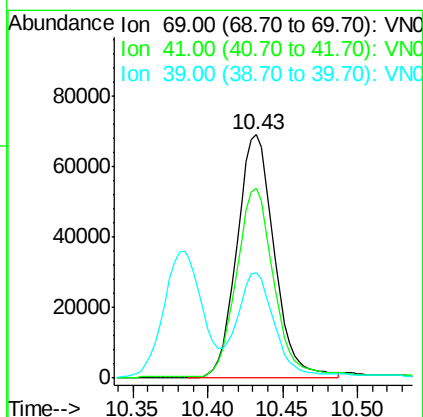
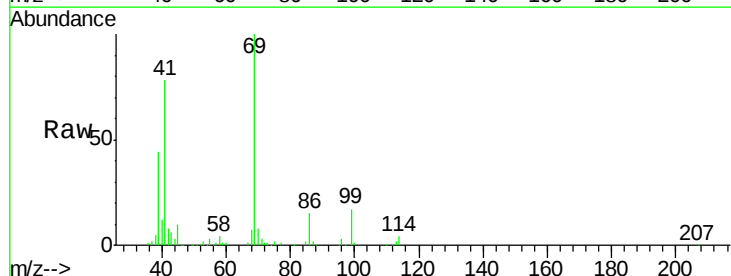
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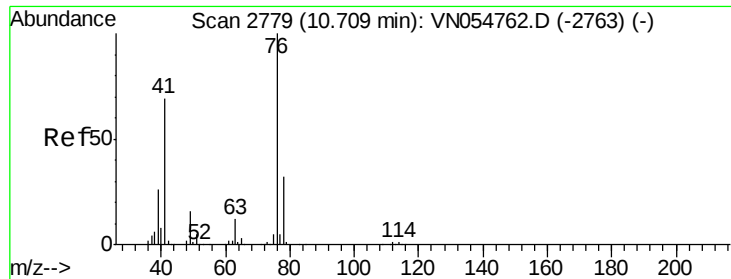
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 4/1/2019 1:32:26 PM



#56
 Ethyl methacrylate
 Concen: 21.704 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion:	69	Resp:	120375
Ion	Ratio	Lower	Upper
69	100		
41	77.5	49.4	74.2#
39	39.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.597 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

Tot Ion: 76 Resp: 156987

Ion Ratio Lower Upper

76 100

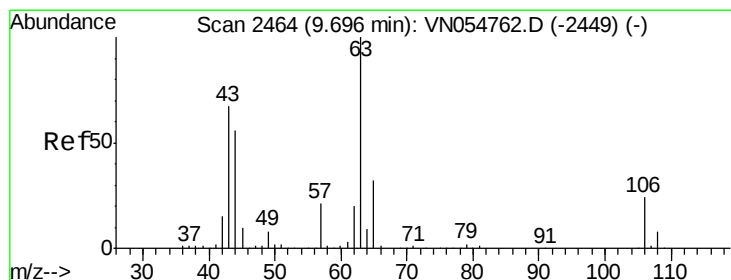
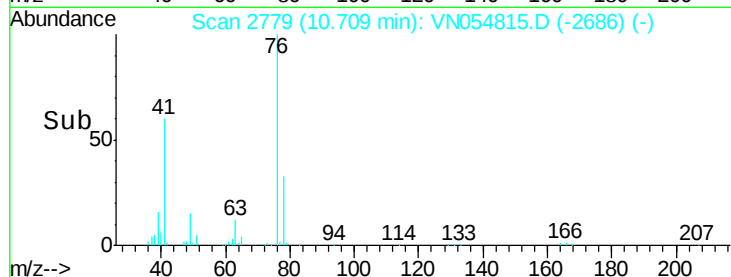
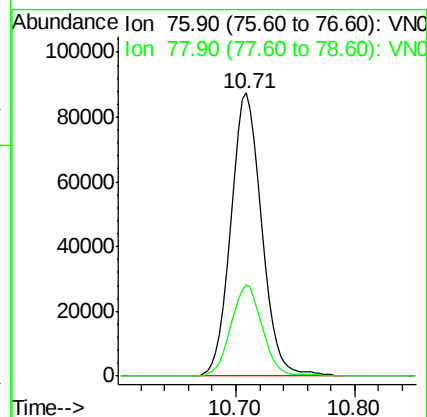
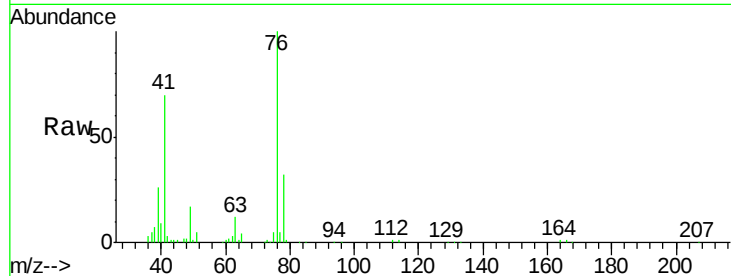
78 32.7 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 100.988 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054815.D

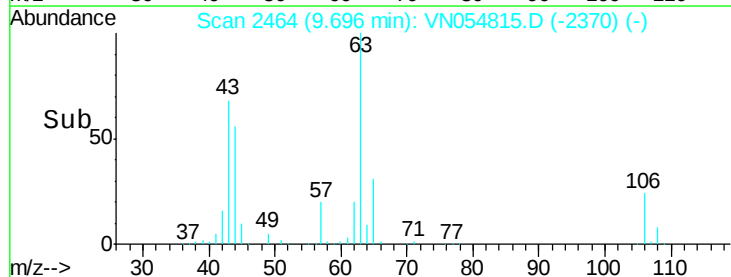
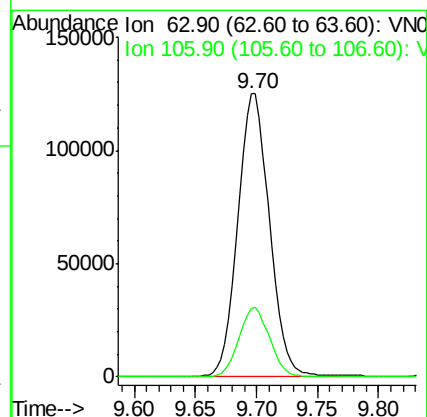
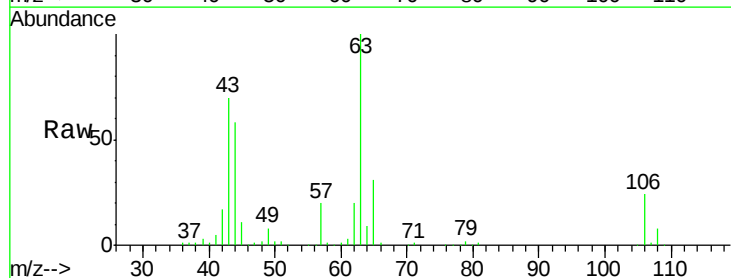
Acq: 30 Mar 2019 20:52

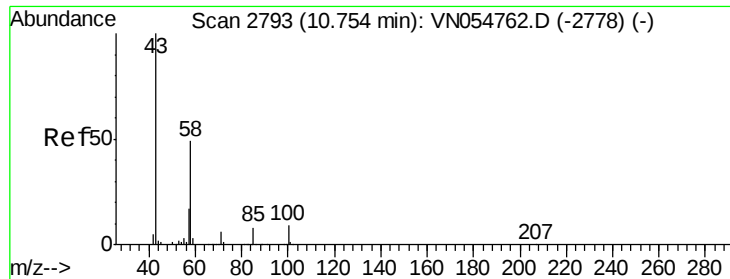
Tgt Ion: 63 Resp: 225892

Ion Ratio Lower Upper

63 100

106 23.9 24.4 36.6#





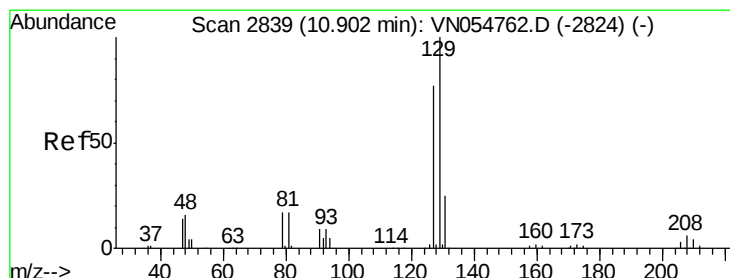
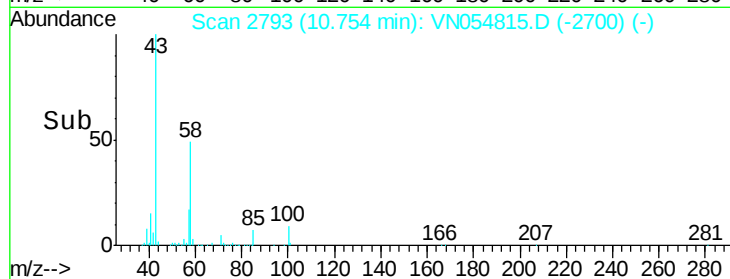
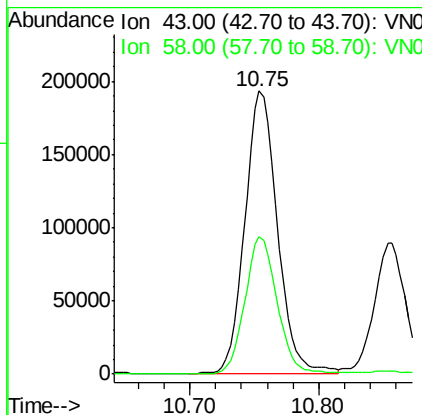
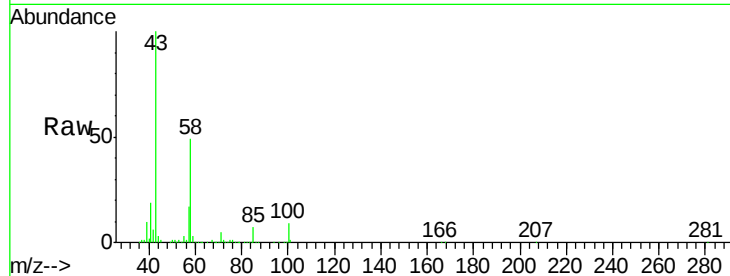
#59
2-Hexanone
Concen: 118.058 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	43	Resp	338119
Ion Ratio	100	Lower	Upper
43	100		
58	48.7	28.0	83.9

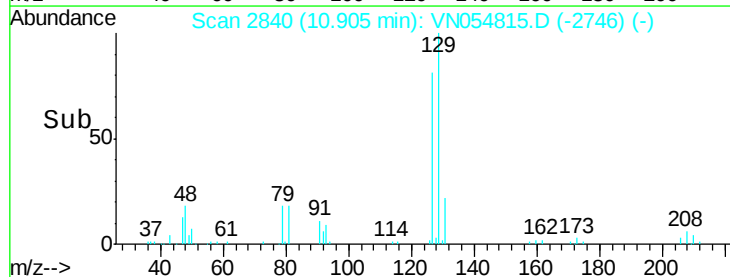
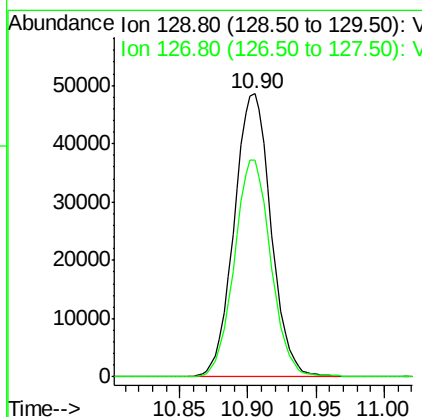
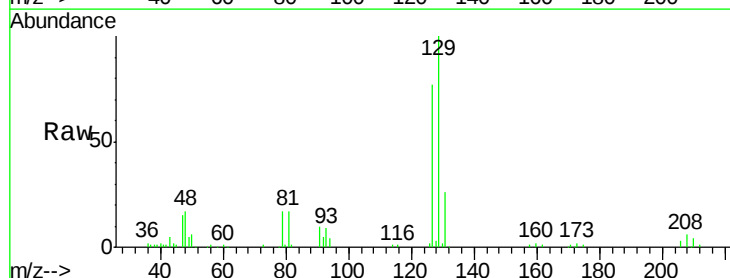
Manual Integrations
APPROVED

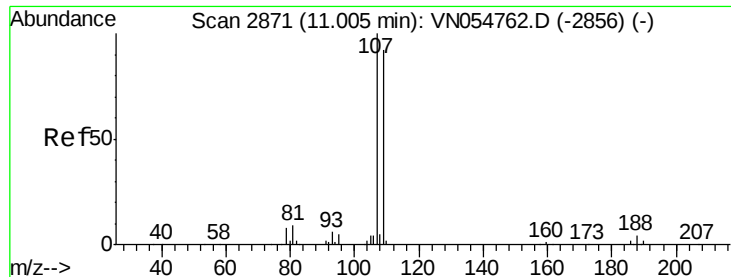
MMDadoda
4/1/2019 1:32:26 PM



#60
Dibromochloromethane
Concen: 21.308 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	129	Resp	91259
Ion Ratio	100	Lower	Upper
129	100		
127	75.7	38.6	115.8





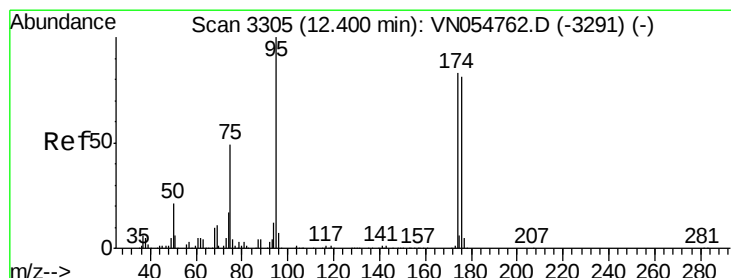
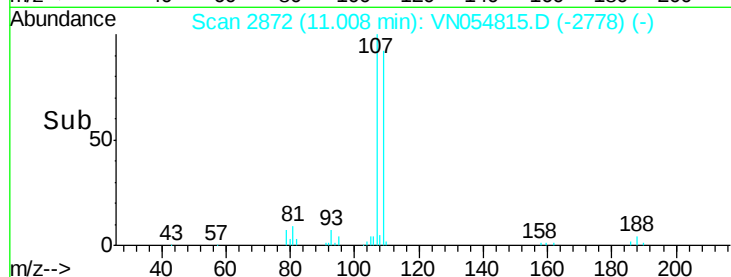
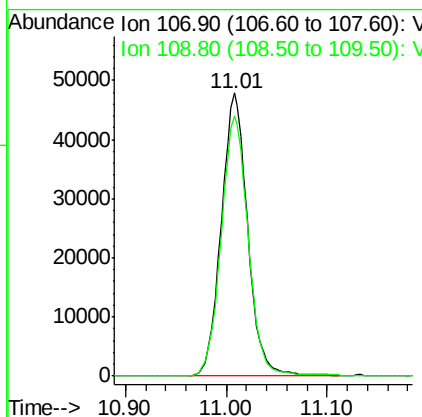
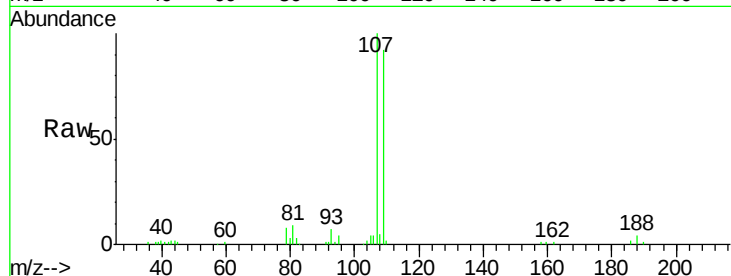
#61
 1,2-Dibromoethane
 Concen: 21.637 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Tot Ion: 107 Resp: 87425
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.9 113.9

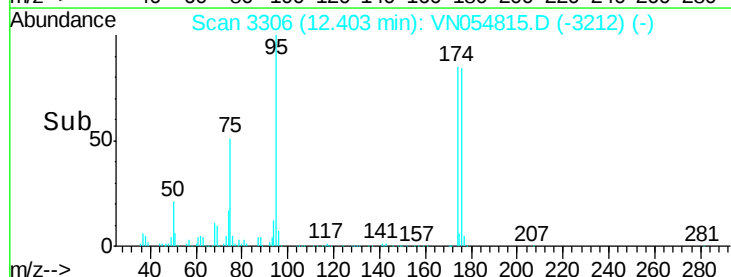
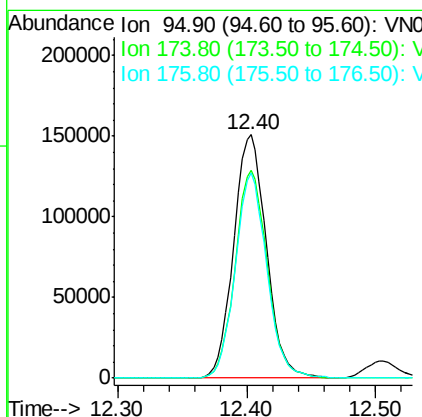
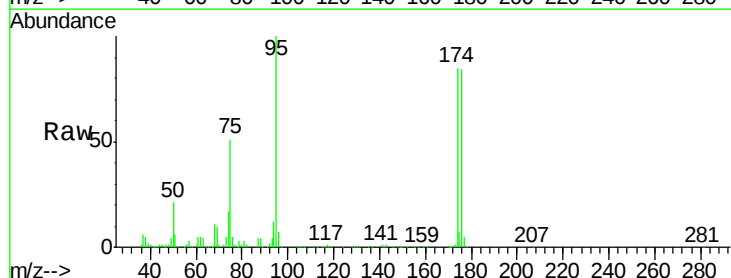
Manual Integrations
 APPROVED

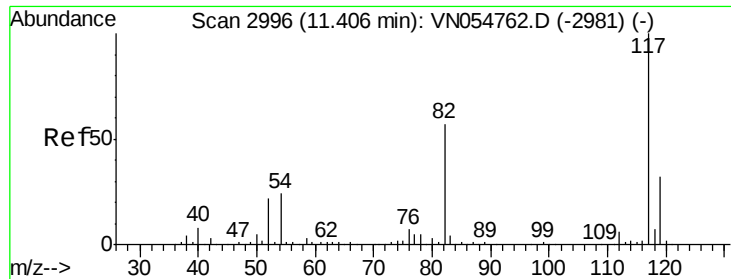
MMDadoda
 4/1/2019 1:32:26 PM



#62
 4-Bromofluorobenzene
 Concen: 45.067 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion: 95 Resp: 266253
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 191.0
 176 81.3 0.0 187.4





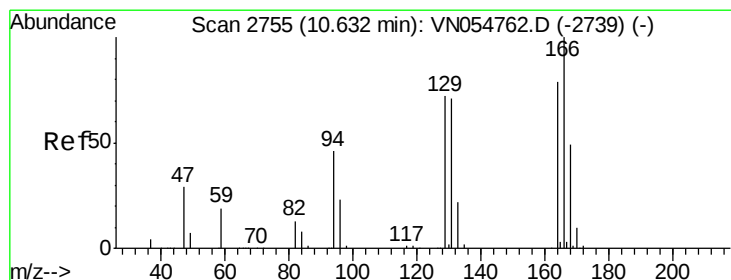
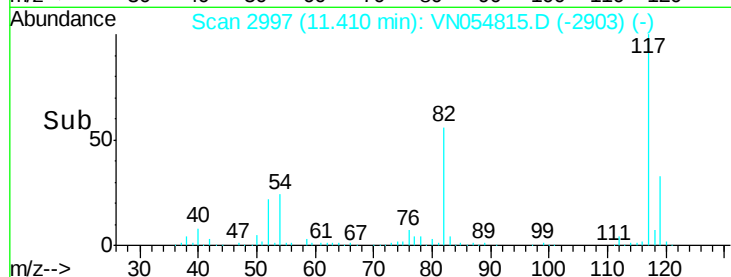
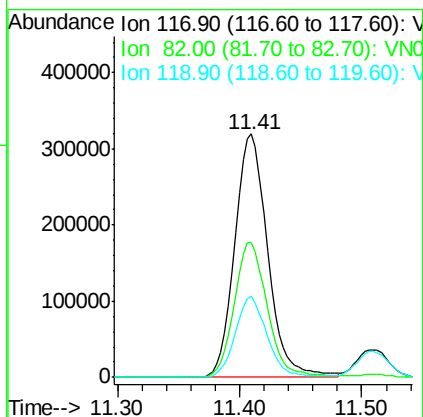
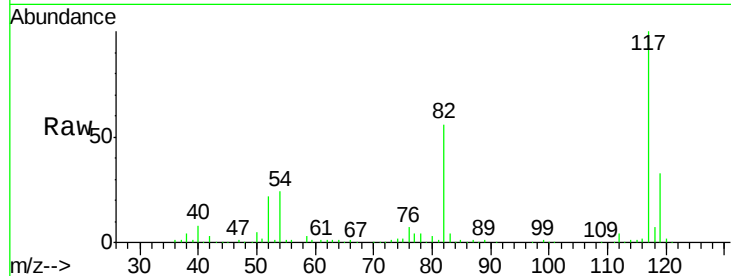
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	40.0	60.0
119	33.0	25.8	38.6

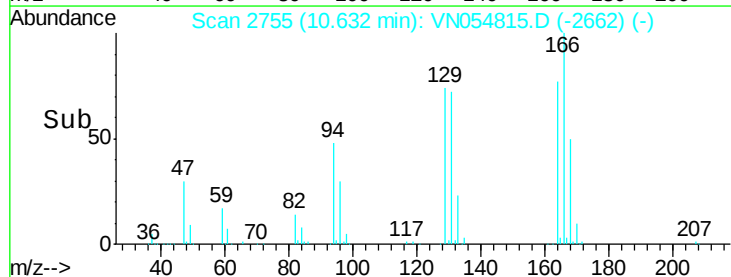
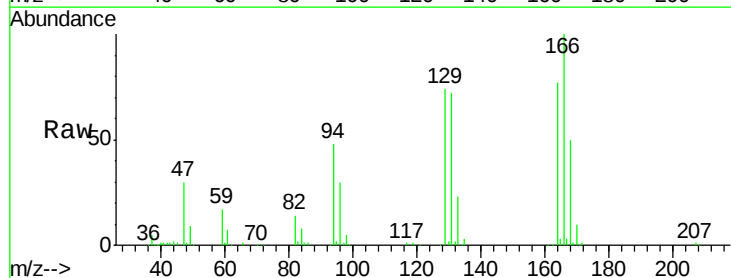
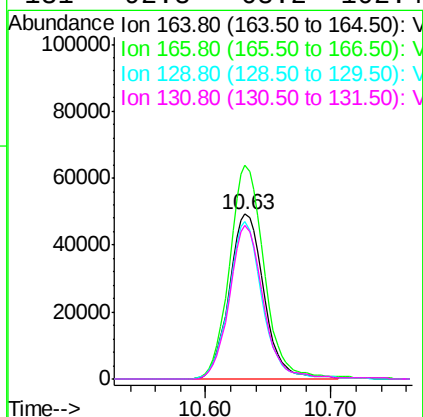
Manual Integrations
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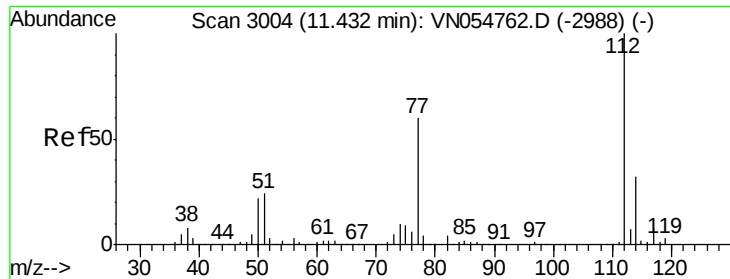
MMDadoda
4/1/2019 1:32:26 PM



#64
Tetrachloroethene
Concen: 20.801 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.9	155.9
129	95.4	71.1	106.7
131	92.8	68.2	102.4





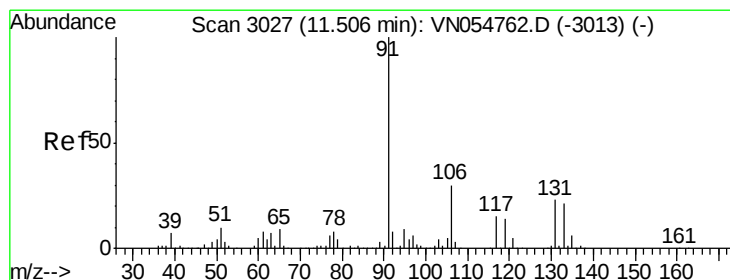
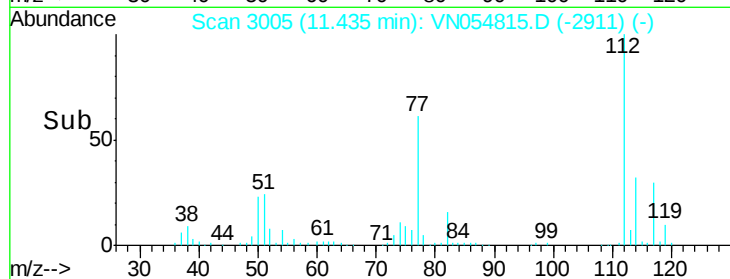
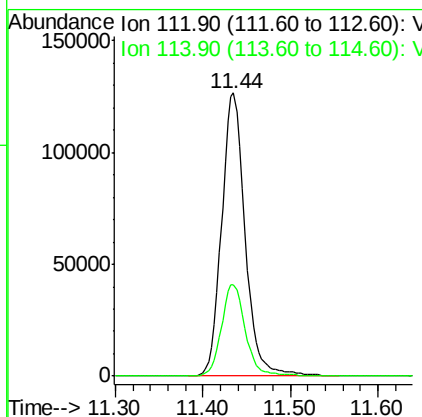
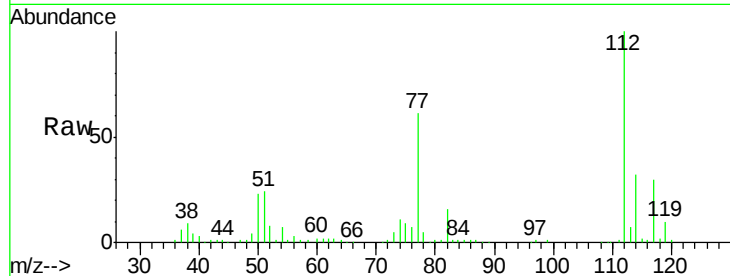
#65
Chlorobenzene
Concen: 20.229 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion:112 Resp: 236586
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

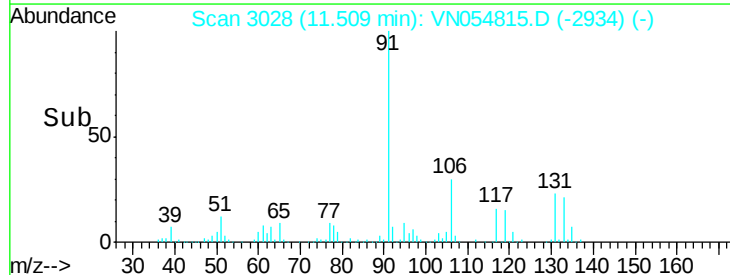
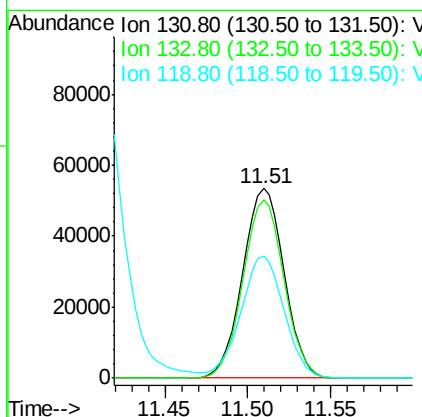
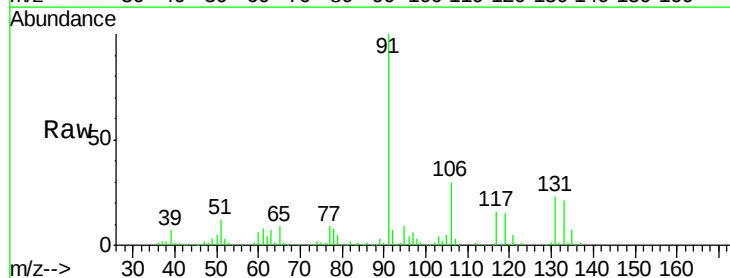
Manual Integrations
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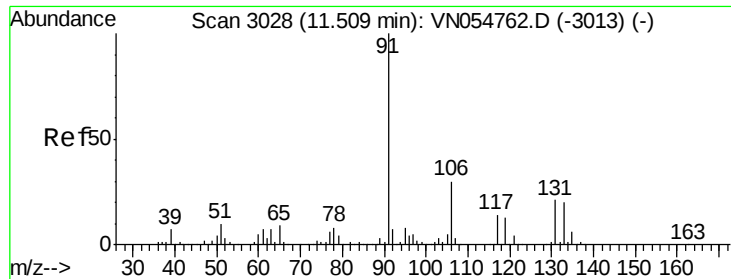
MMDadoda
4/1/2019 1:32:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.326 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion:131 Resp: 93353
Ion Ratio Lower Upper
131 100
133 93.0 47.6 142.9
119 67.5 32.4 97.0





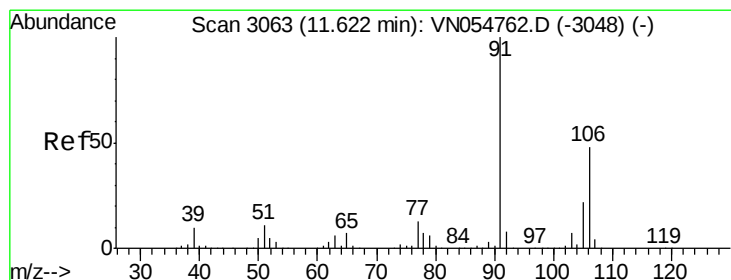
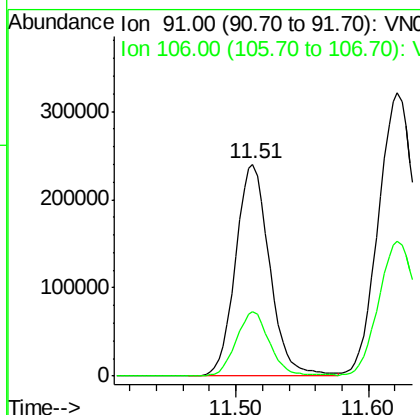
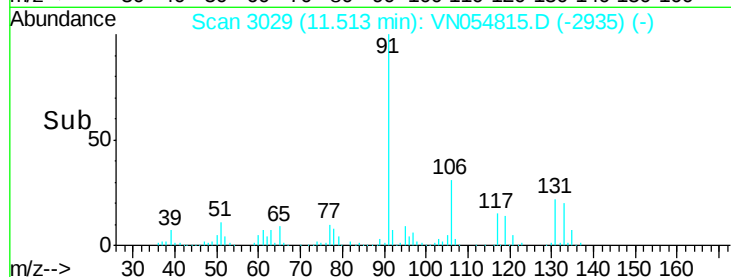
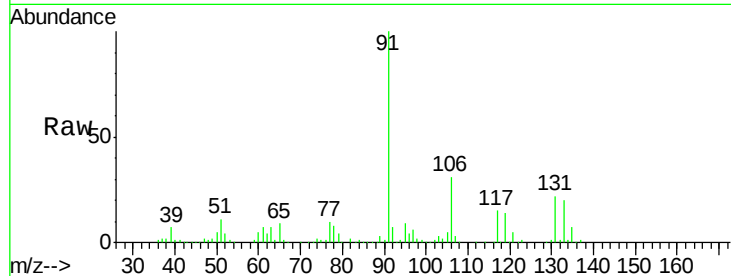
#67
Ethyl Benzene
Concen: 20.311 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampled :
VN0330WBSD01

Tot Ion: 91 Resp: 428667
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3

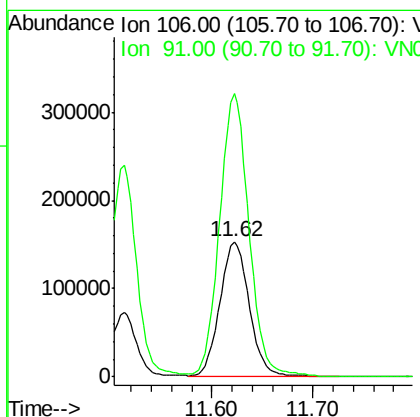
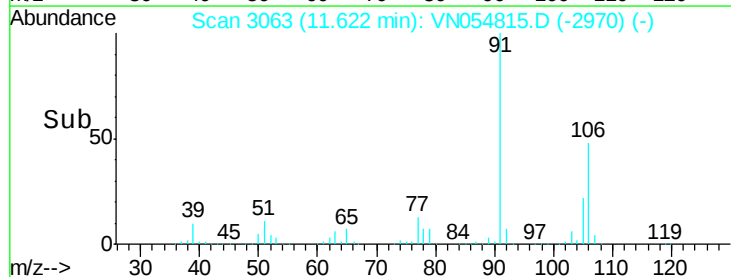
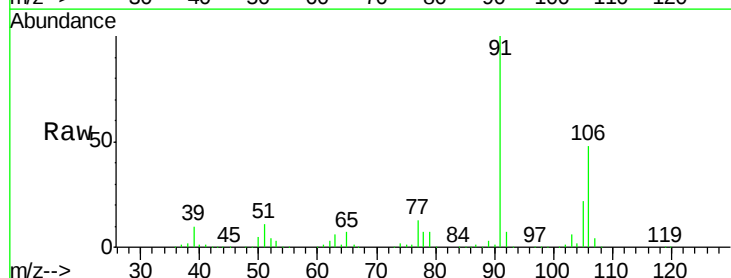
Manual Integrations
APPROVED

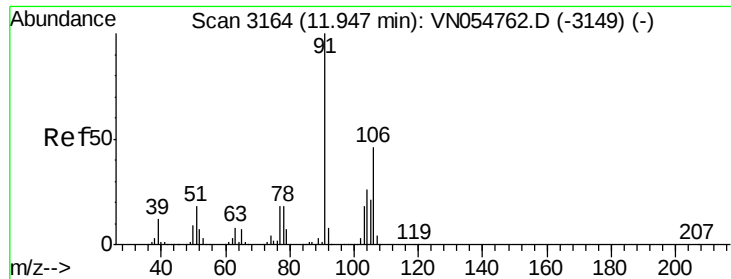
MMDadoda
4/1/2019 1:32:26 PM



#68
m/p-Xylenes
Concen: 40.340 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion: 106 Resp: 315056
Ion Ratio Lower Upper
106 100
91 208.2 159.4 239.2





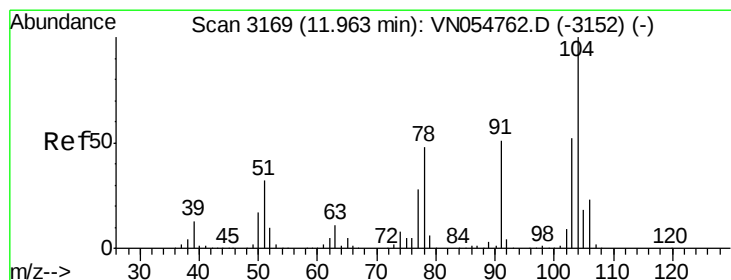
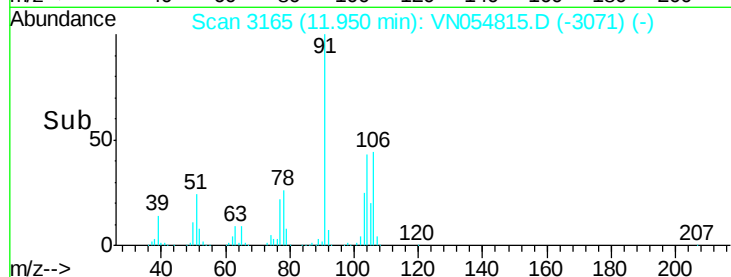
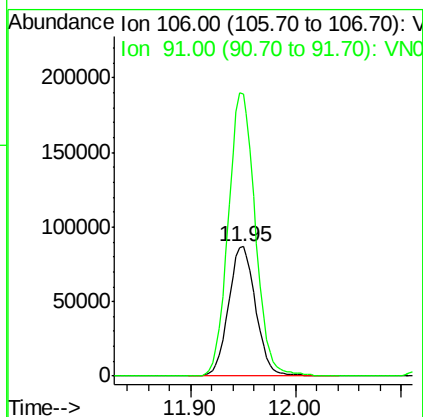
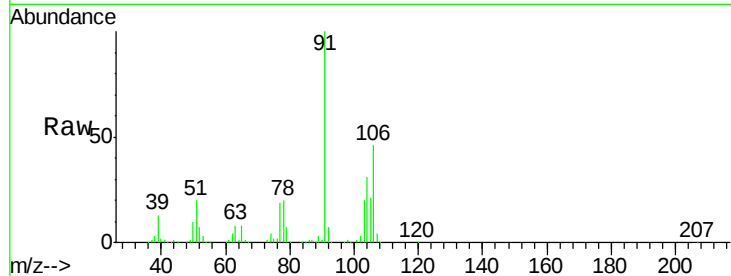
#69
o-Xylene
Concen: 20.255 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion:106 Resp: 155121
Ion Ratio Lower Upper
106 100
91 217.0 105.7 317.1

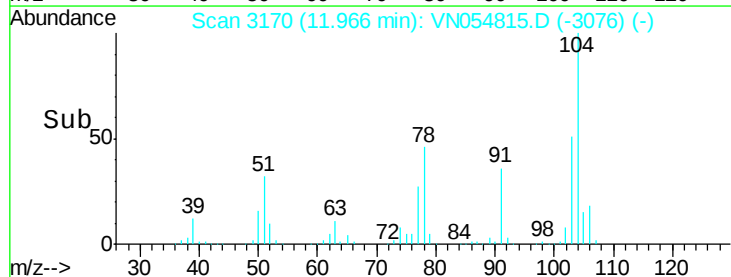
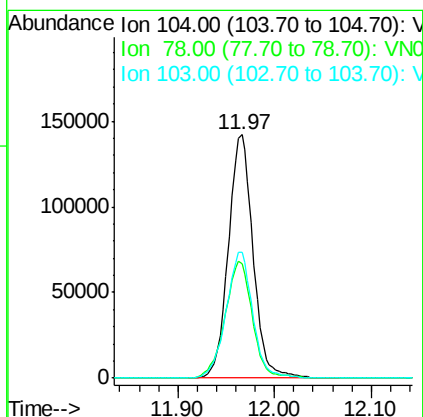
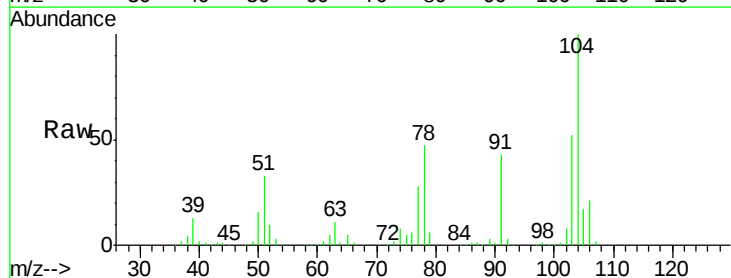
Manual Integrations
APPROVED

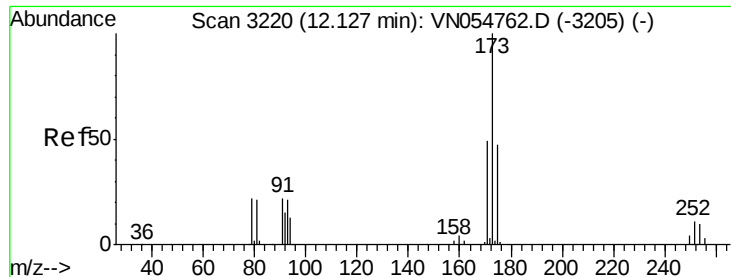
MMDadoda
4/1/2019 1:32:26 PM



#70
Styrene
Concen: 20.597 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion:104 Resp: 252223
Ion Ratio Lower Upper
104 100
78 53.1 38.2 57.2
103 55.8 44.4 66.6





#71

Bromoform

Concen: 21.308 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

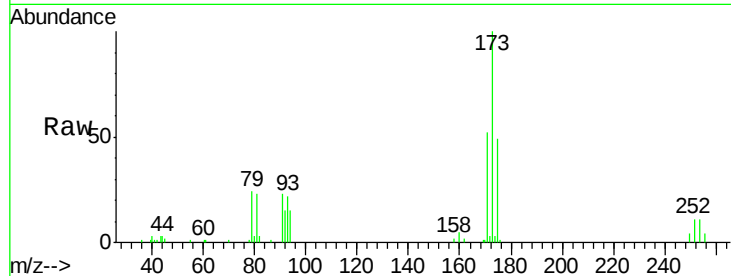
ClientSampleId :

VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
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4/1/2019 1:32:26 PM

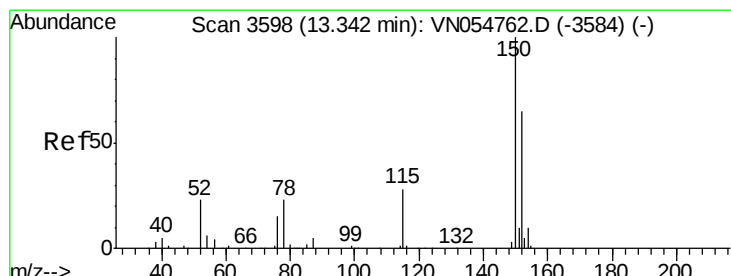
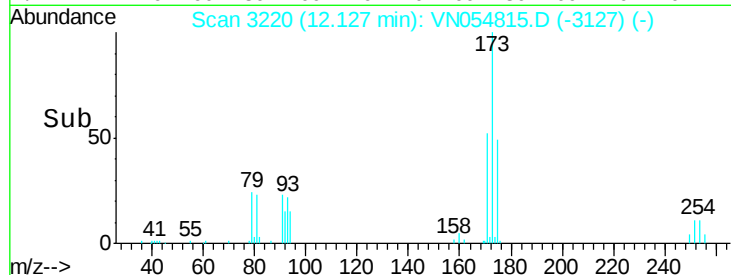
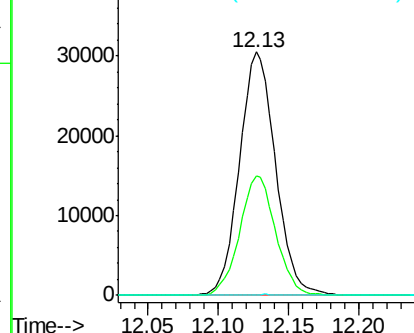


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

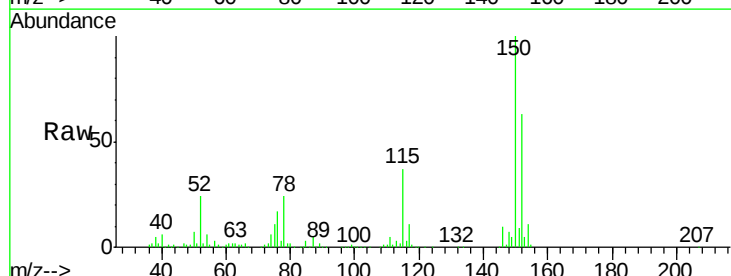
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	27.2	81.6
150	161.0	0.0	349.2

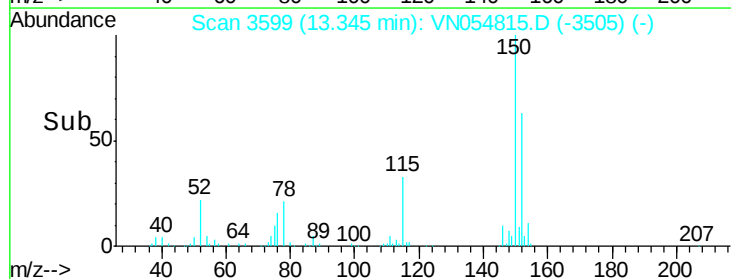
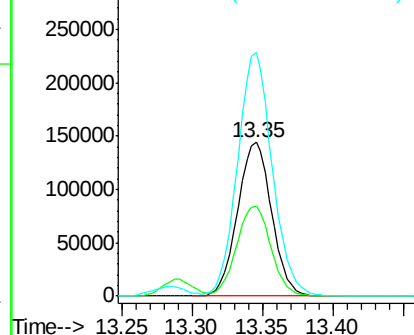


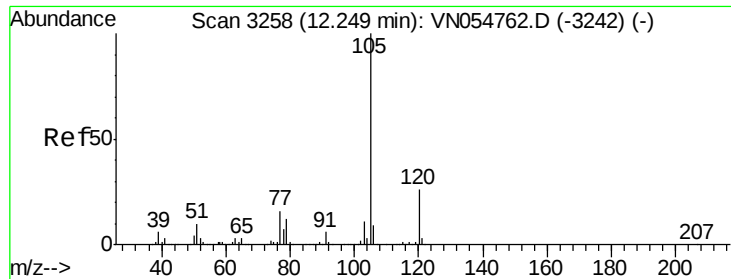
Abundance

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: 20.343 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

Tot Ion: 105 Resp: 405874

Ion Ratio Lower Upper

105 100

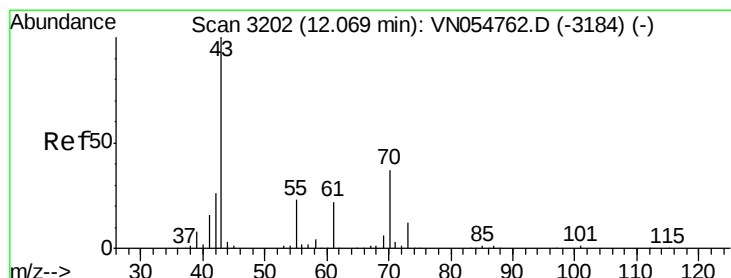
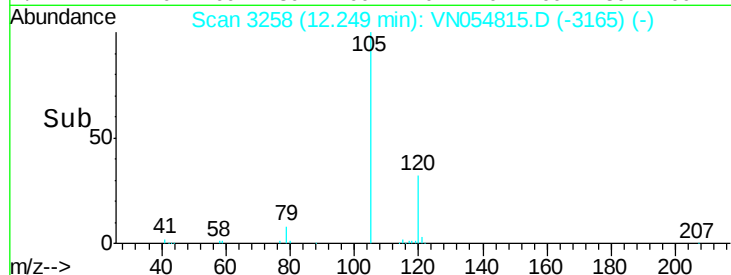
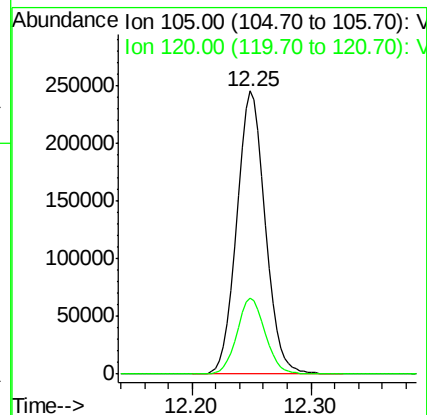
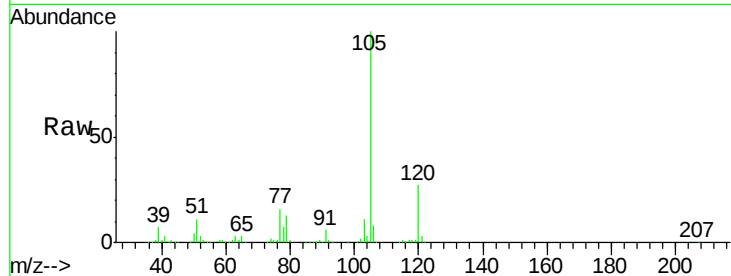
120 26.7 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.595 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion: 43 Resp: 140446

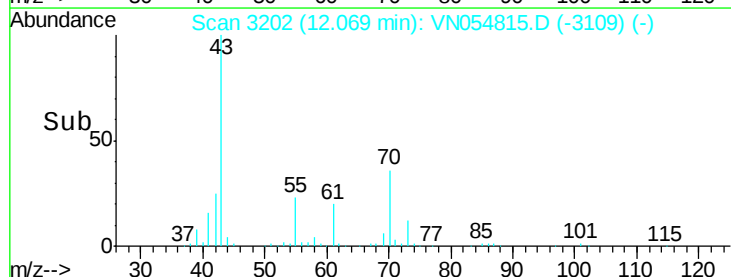
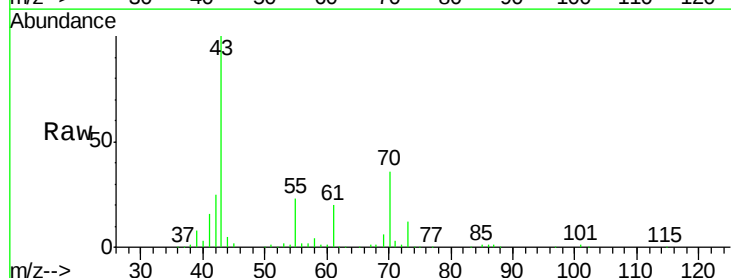
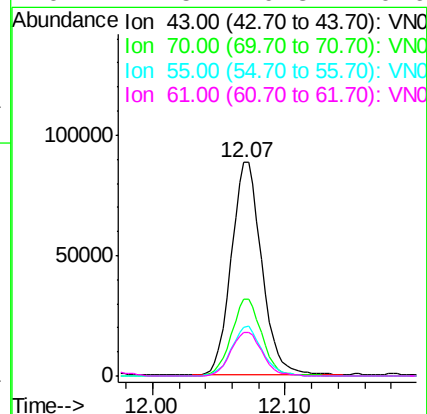
Ion Ratio Lower Upper

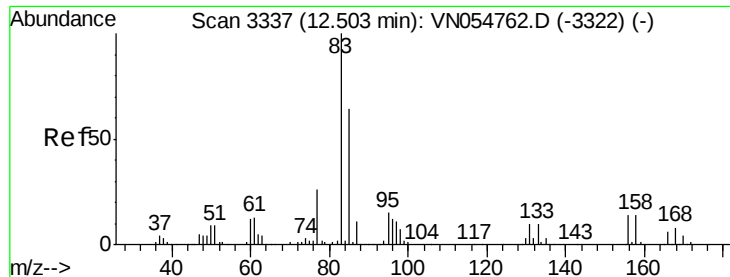
43 100

70 36.6 35.4 53.0

55 23.5 19.8 29.6

61 21.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.642 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

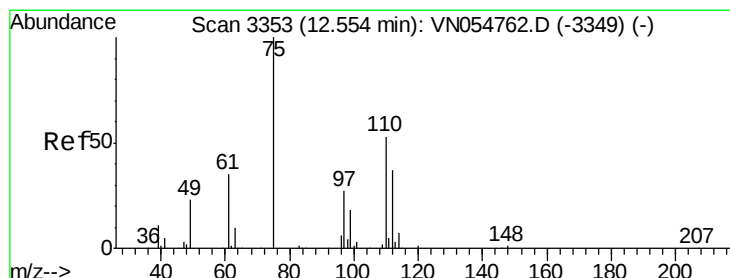
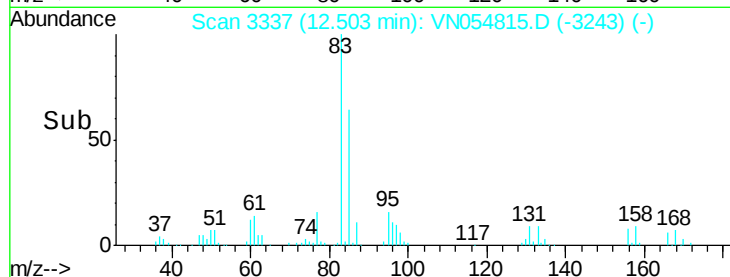
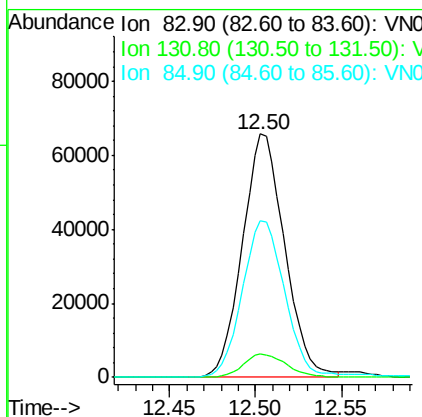
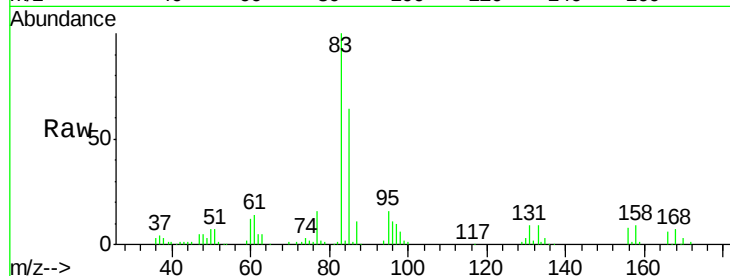
ClientSampleId :

VN0330WBSD01

Tot Ion:	83	Resp:	112199
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.8	17.4
85	65.5	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 22.243 ug/l m

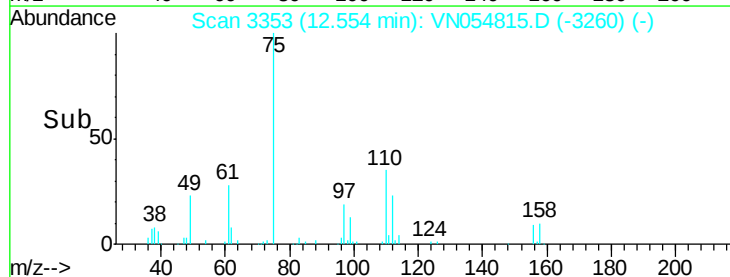
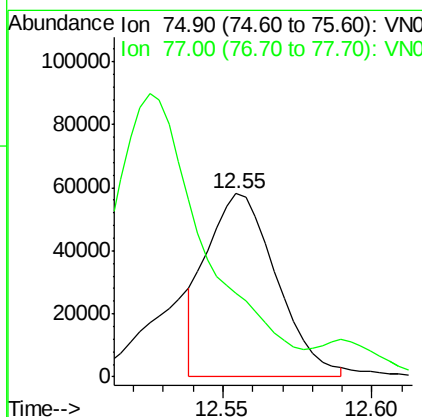
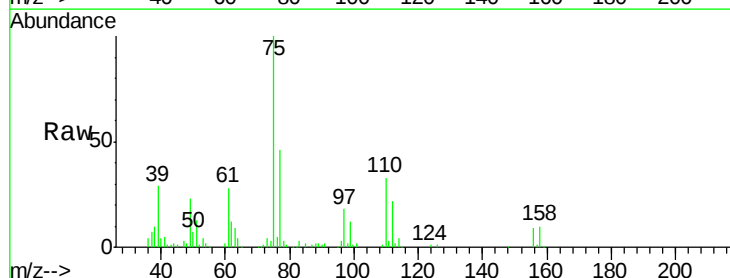
RT: 12.55 min Scan# 3353

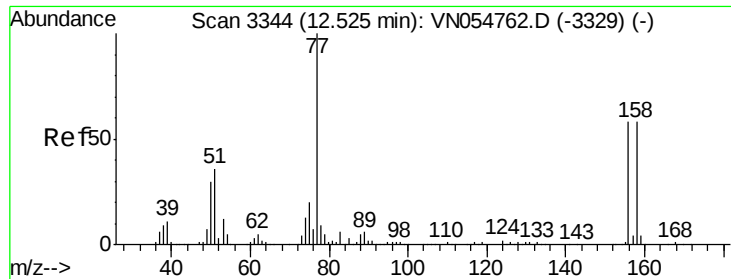
Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion:	75	Resp:	94323
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.077 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

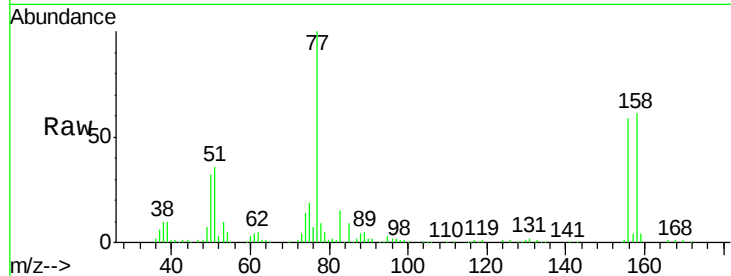
ClientSampleId :

VN0330WBSD01

Tot Ion:	156	Resp:	96675
Ion	Ratio	Lower	Upper
156	100		
77	199.9	81.5	244.4
158	101.2	49.0	147.2

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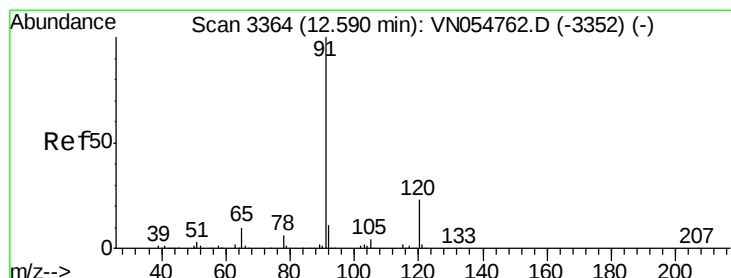
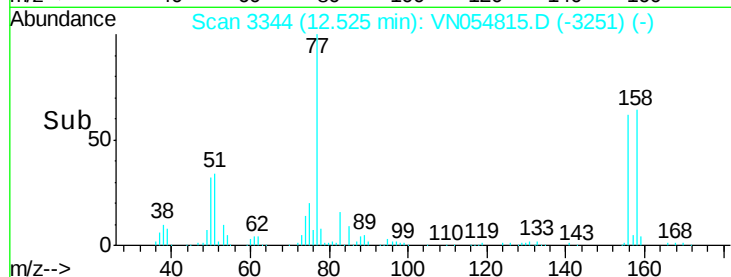
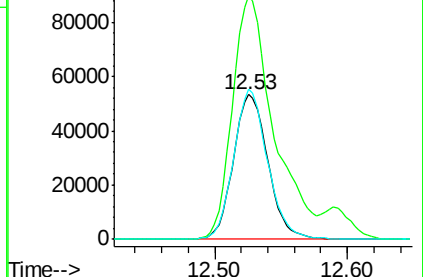
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.077 ug/l

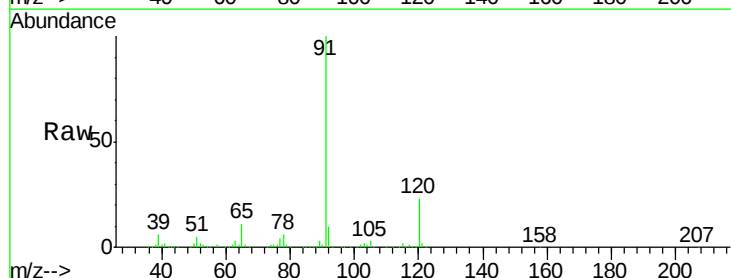
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054815.D

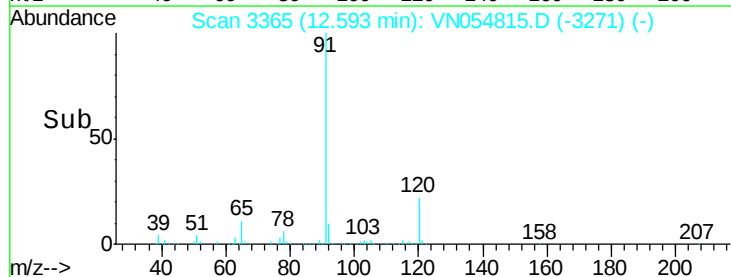
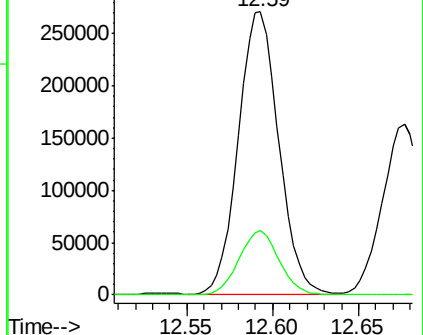
Acq: 30 Mar 2019 20:52

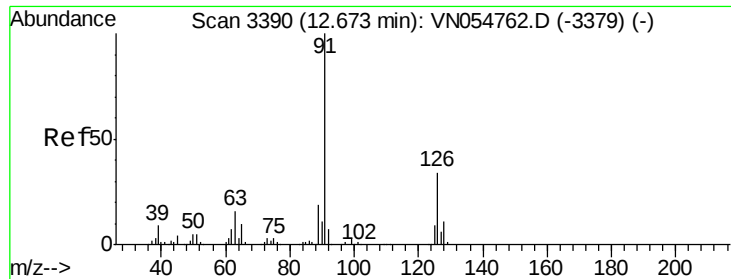
Tgt Ion:	91	Resp:	440266
Ion	Ratio	Lower	Upper
91	100		
120	22.8	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.039 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

VN0330WBSD01

Tot Ion: 91 Resp: 271859

Ion Ratio Lower Upper

91 100

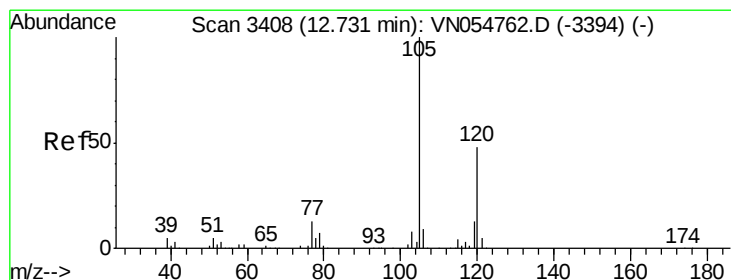
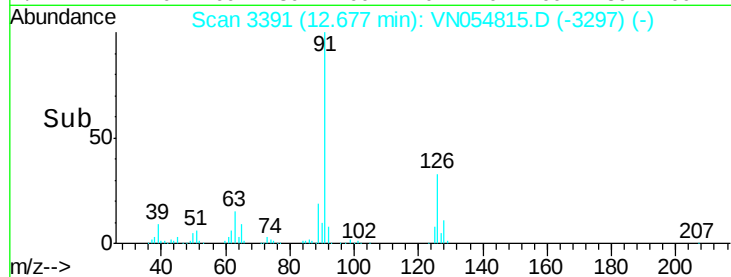
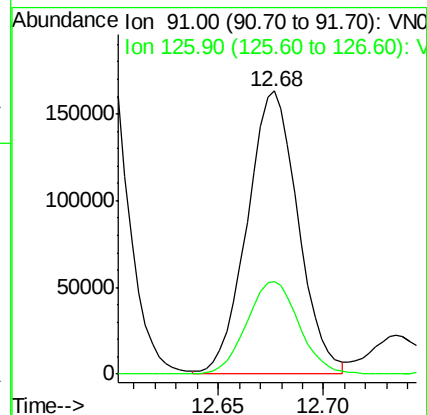
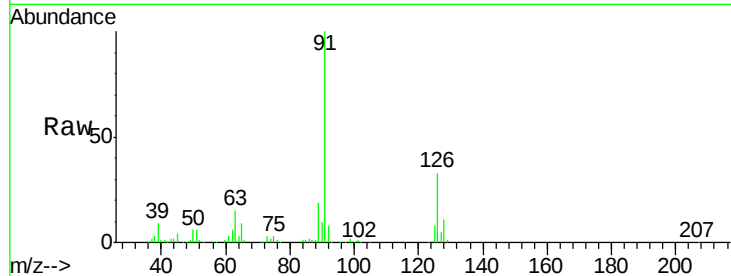
126 34.0 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.206 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054815.D

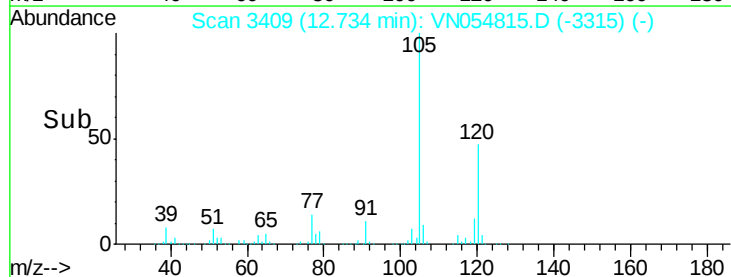
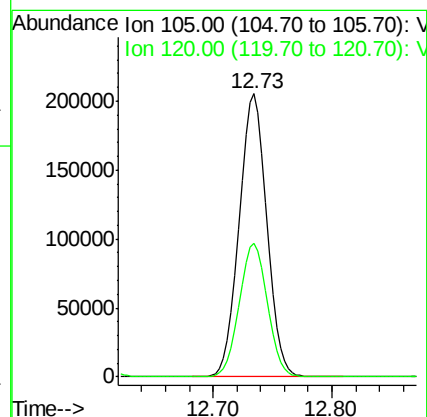
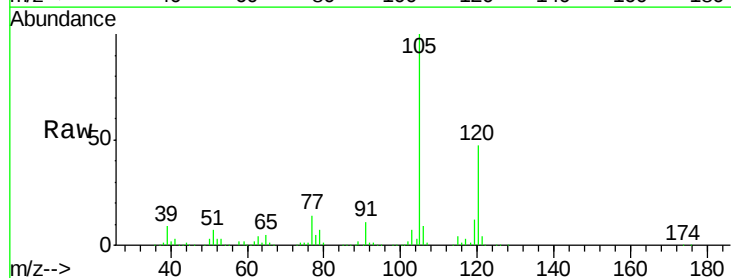
Acq: 30 Mar 2019 20:52

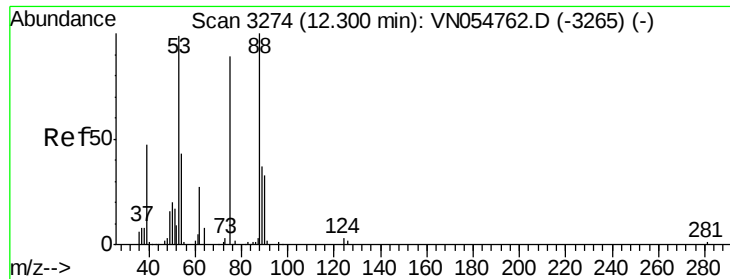
Tgt Ion: 105 Resp: 330789

Ion Ratio Lower Upper

105 100

120 48.0 25.0 75.0





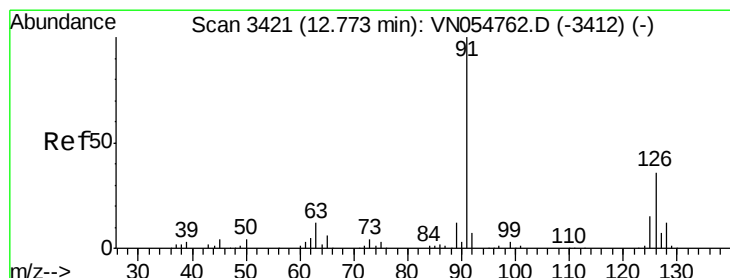
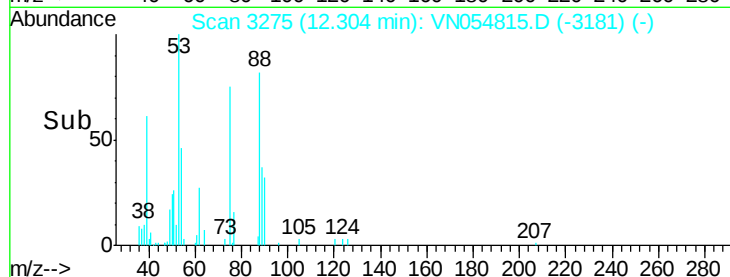
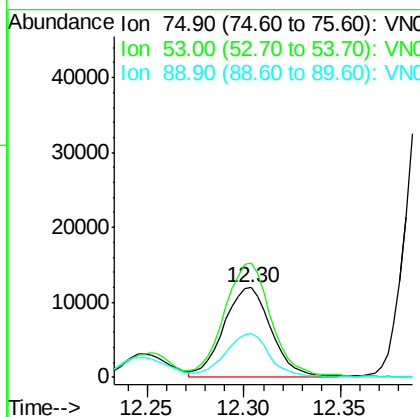
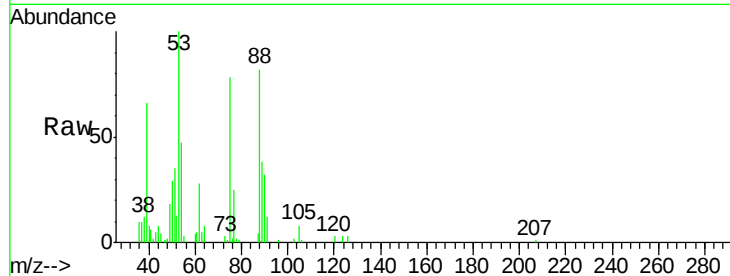
#81
trans-1,4-Dichloro-2-butene
Concen: 18.832 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.6	76.2	114.2#
89	45.7	39.2	58.8

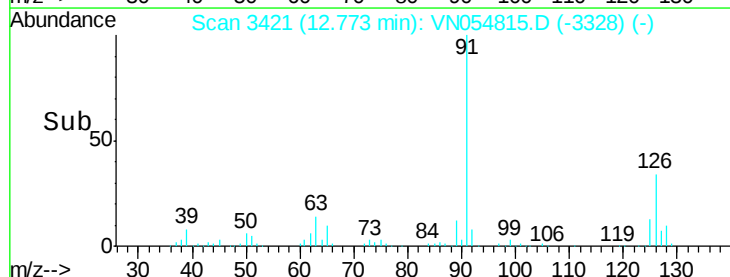
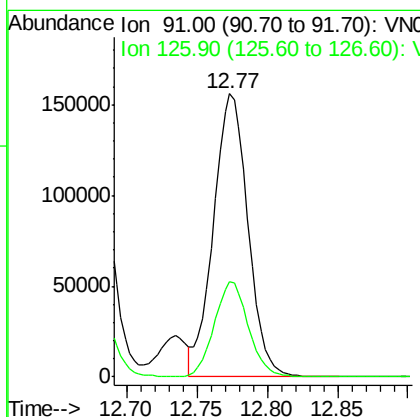
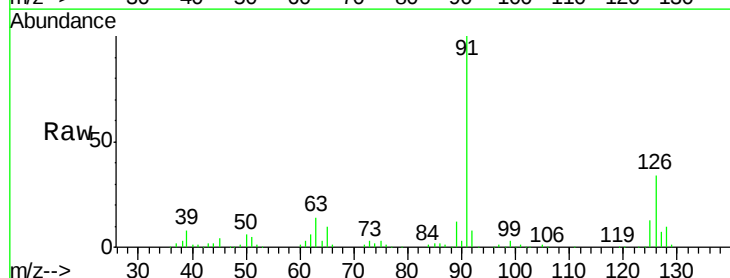
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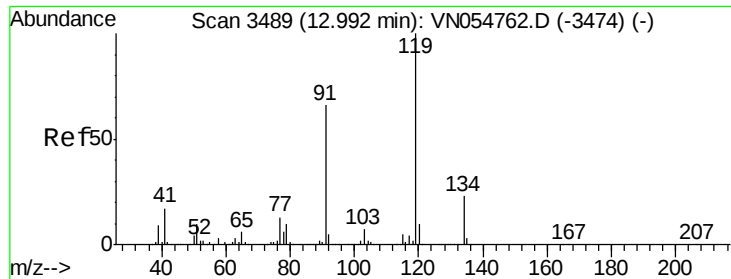
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#82
4-Chlorotoluene
Concen: 20.083 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	18.1	54.1





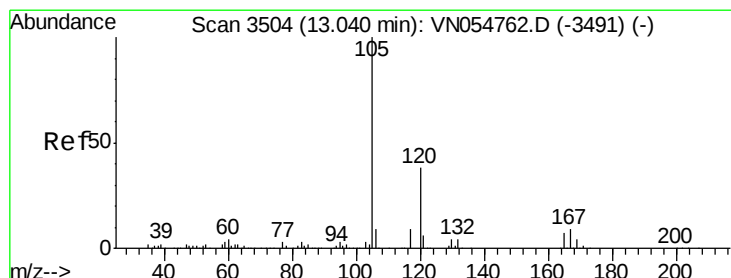
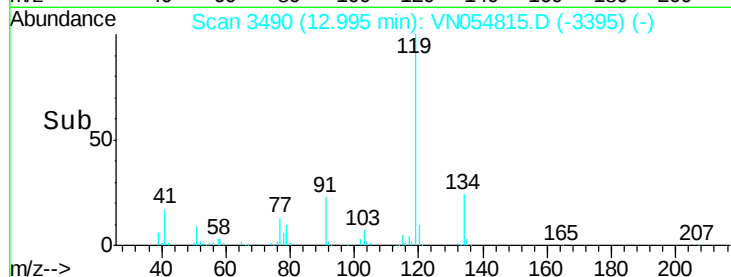
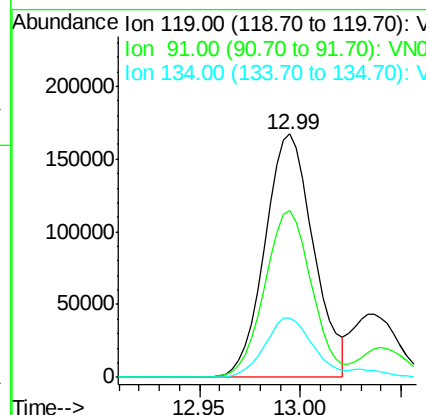
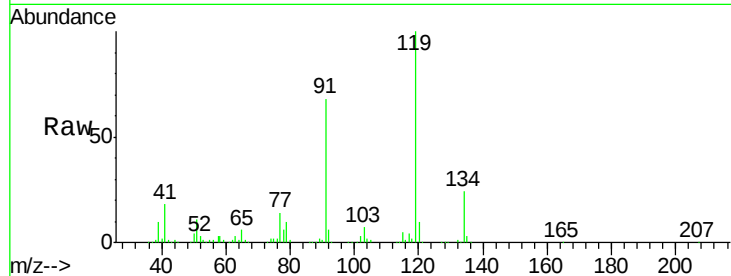
#83
tert-Butylbenzene
Concen: 20.894 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	30.9	92.8
134	24.3	13.2	39.6

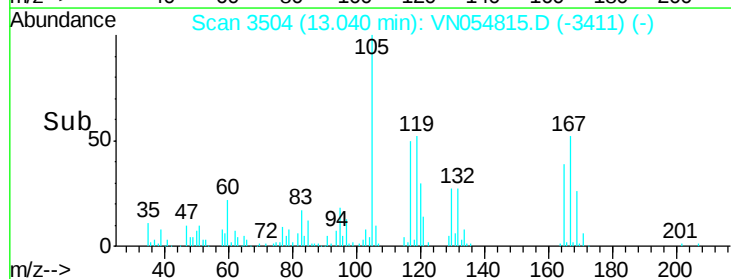
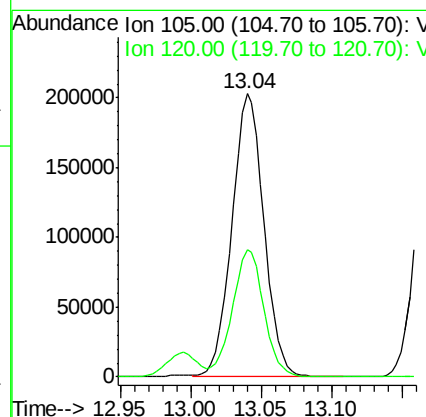
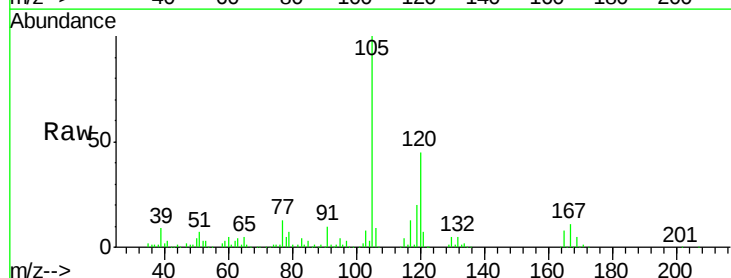
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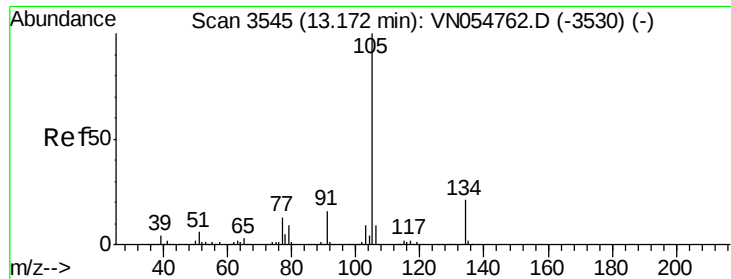
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.594 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.882 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBSD01

Tot Ion:105 Resp: 353581

Ion Ratio Lower Upper

105 100

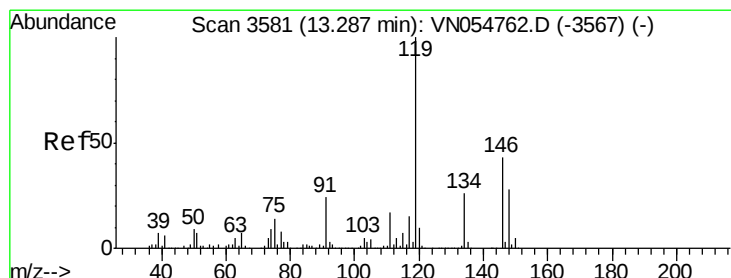
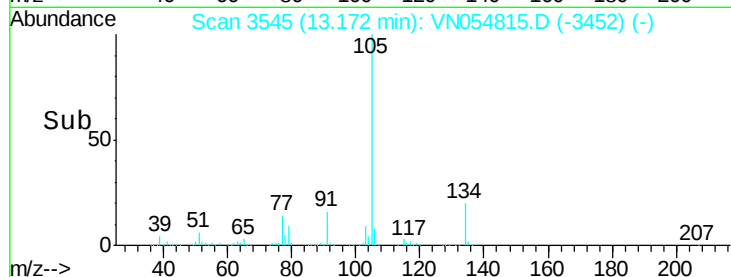
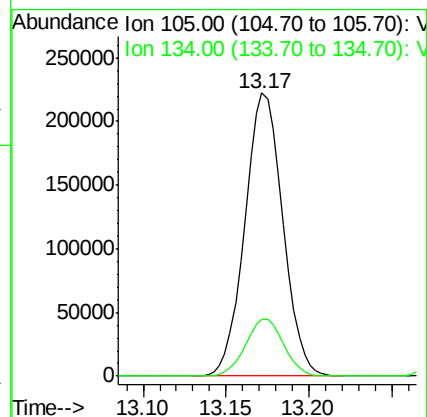
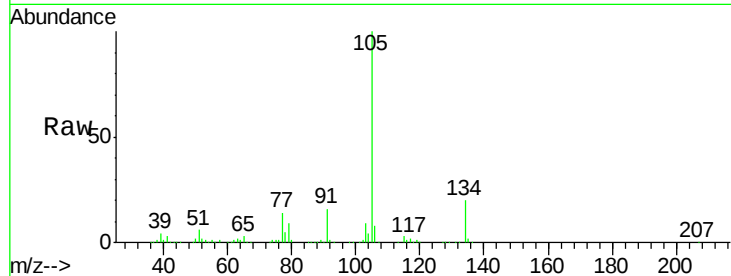
134 20.4 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.272 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

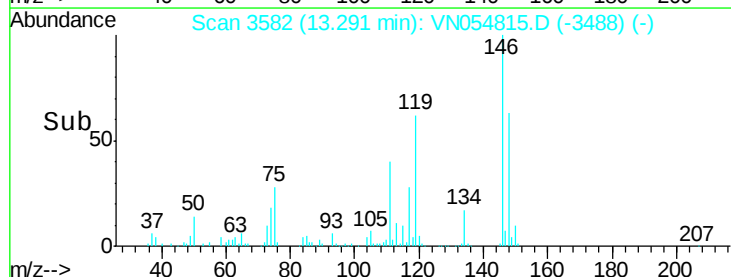
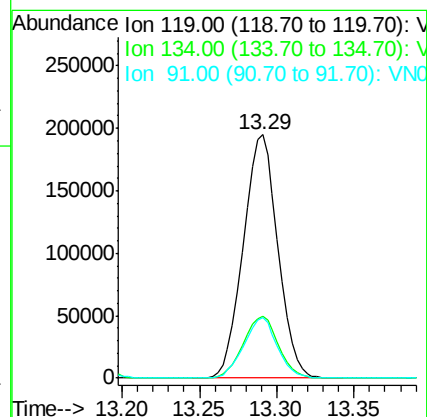
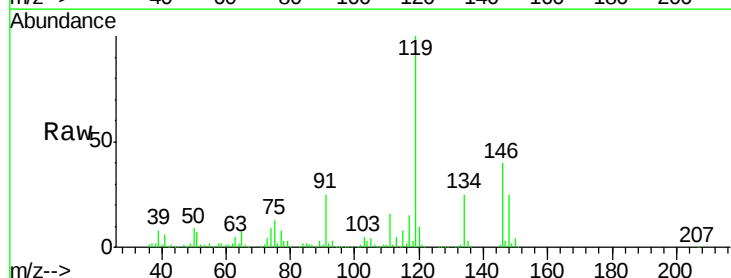
Tgt Ion:119 Resp: 302282

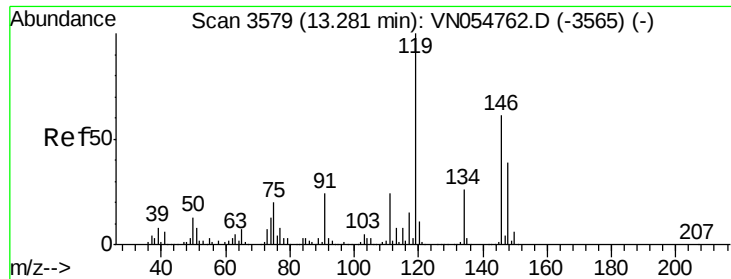
Ion Ratio Lower Upper

119 100

134 25.9 13.6 40.8

91 24.3 11.1 33.3





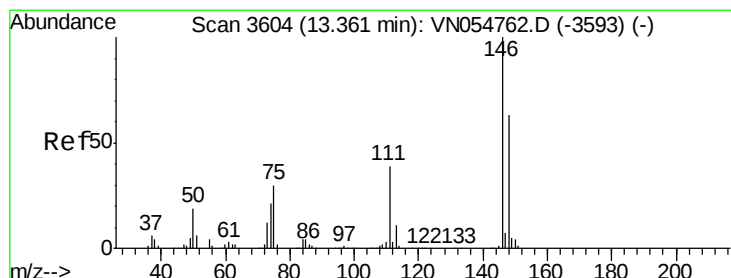
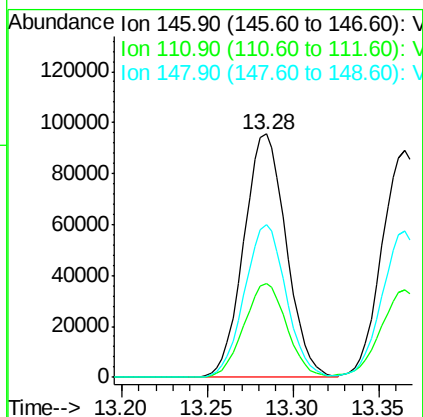
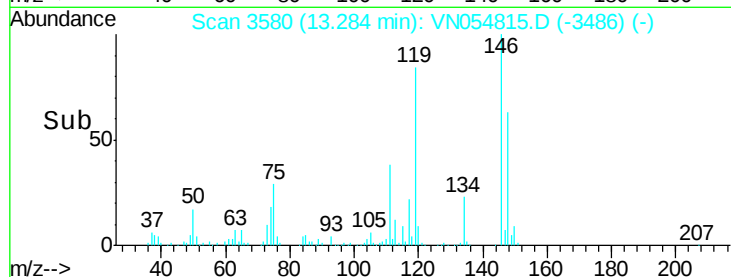
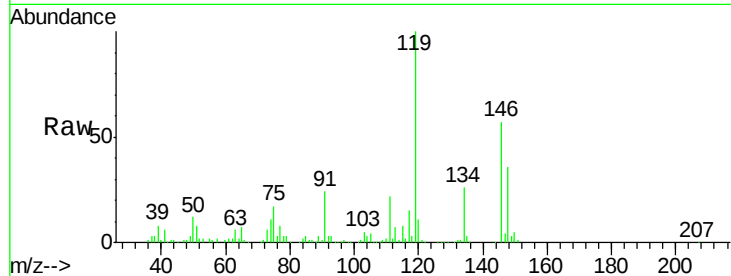
#87
 1,3-Dichlorobenzene
 Concen: 20.295 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	163616		
111	38.6	18.8	56.3	
148	61.4	32.2	96.6	

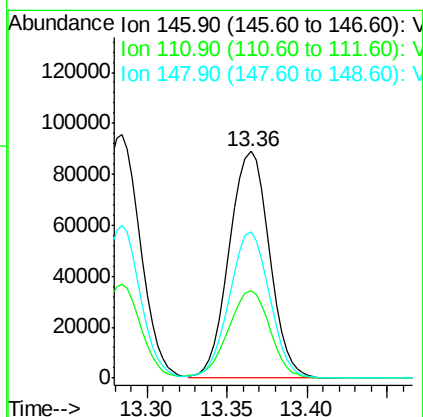
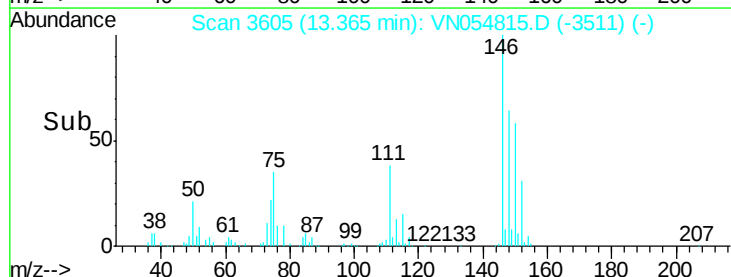
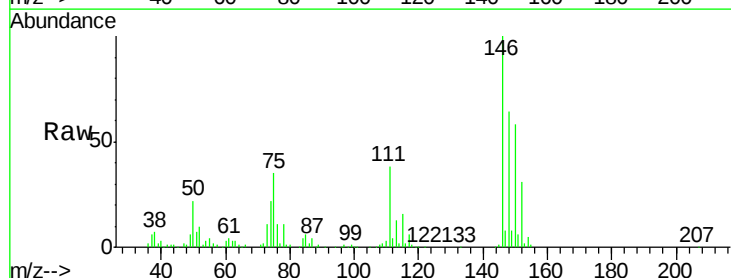
Manual Integrations
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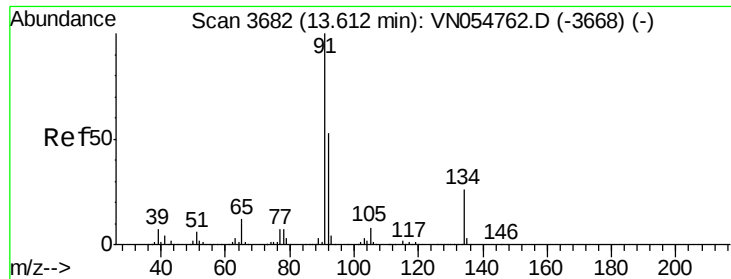
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#88
 1,4-Dichlorobenzene
 Concen: 19.304 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	152635		
111	40.1	18.1	54.1	
148	64.5	32.0	96.0	





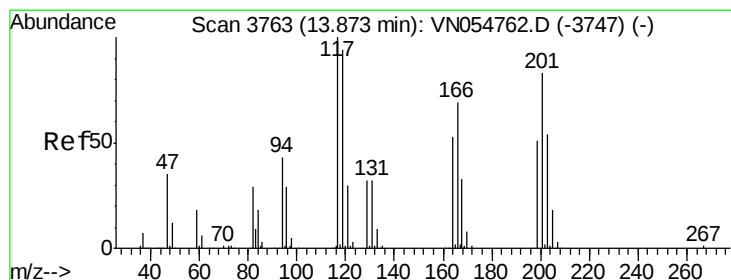
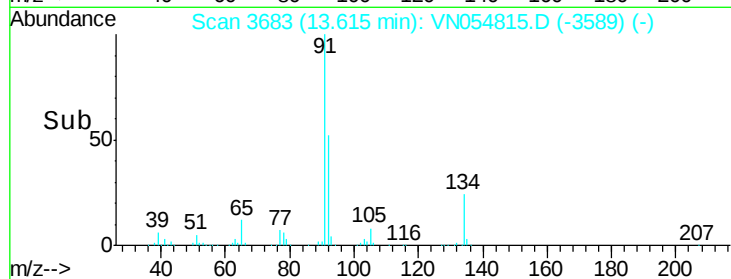
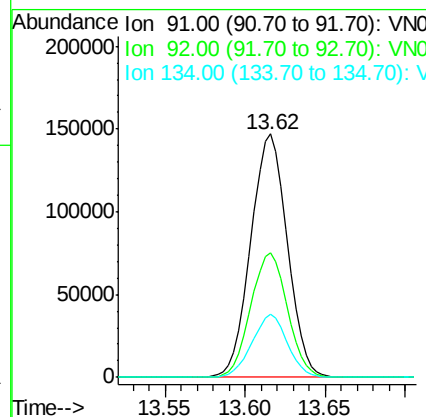
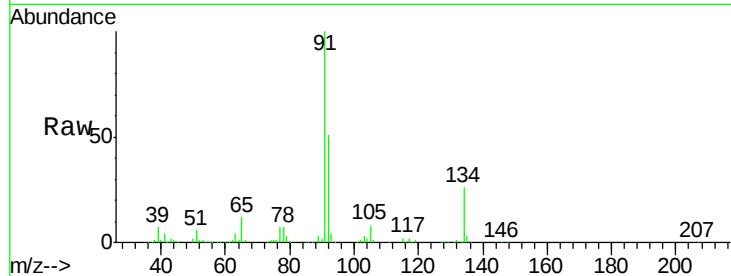
#89
n-Butylbenzene
Concen: 17.938 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.2	78.6
134	25.1	14.3	42.9

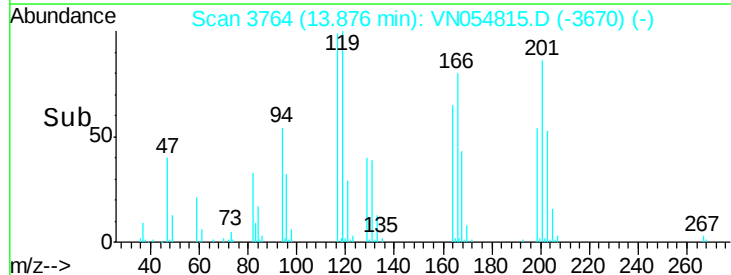
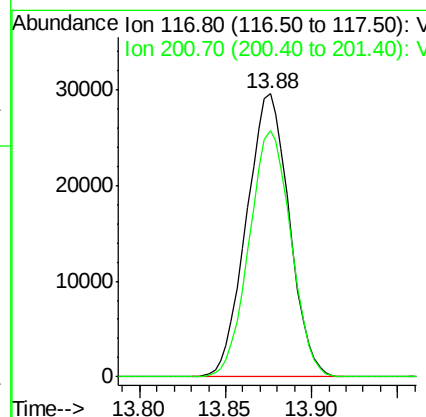
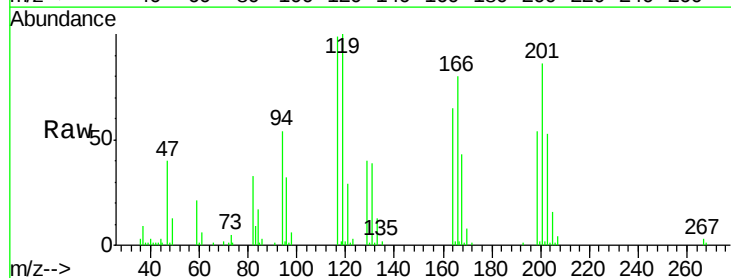
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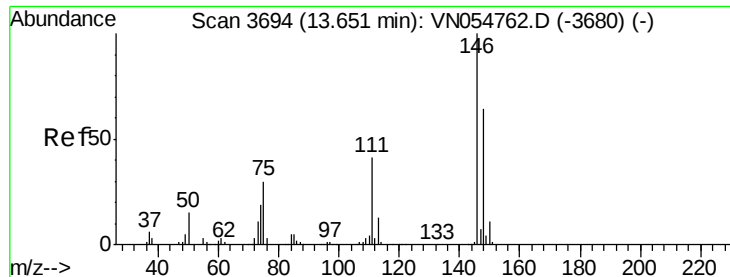
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#90
Hexachloroethane
Concen: 19.153 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054815.D
Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	48.1	144.4





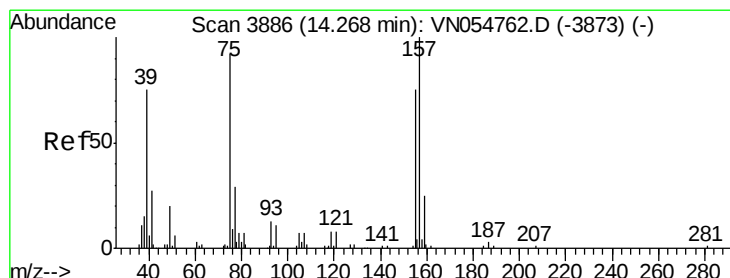
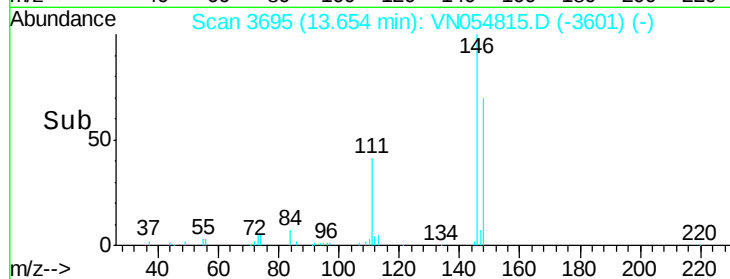
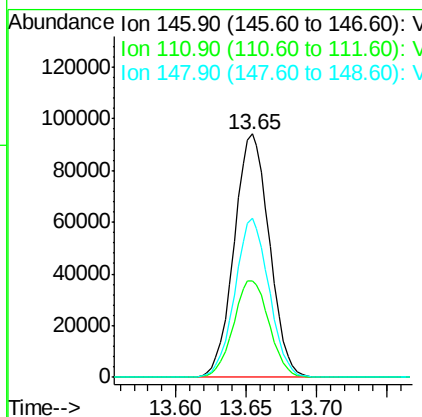
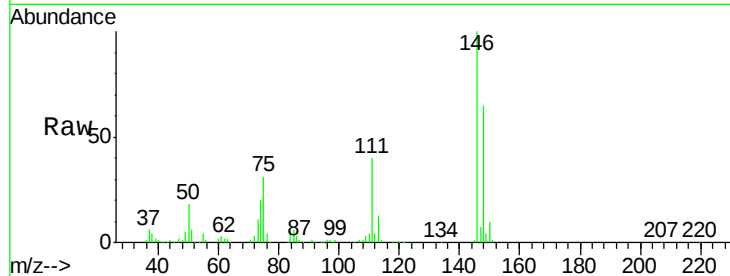
#91
 1,2-Dichlorobenzene
 Concen: 20.231 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.1	57.3
148	63.5	32.4	97.0

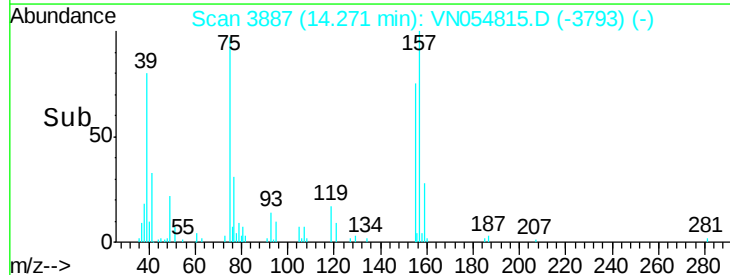
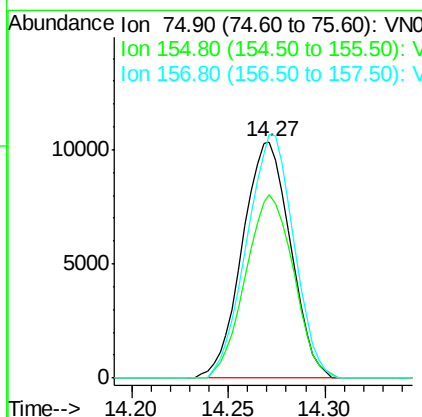
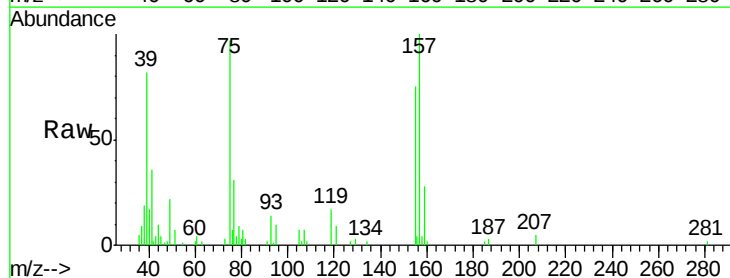
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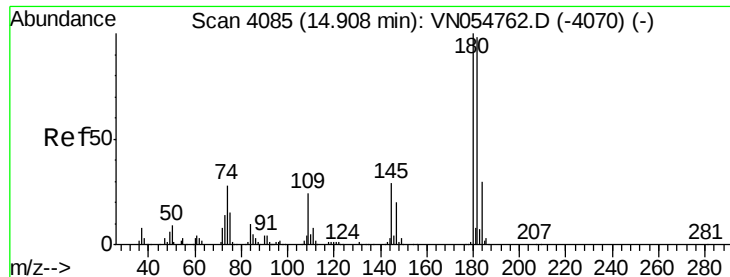
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.189 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	50.1	150.3
157	101.3	63.1	189.3





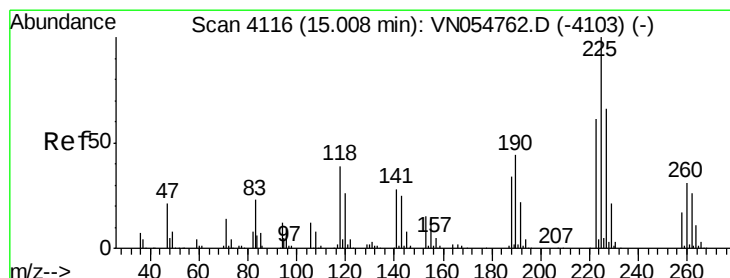
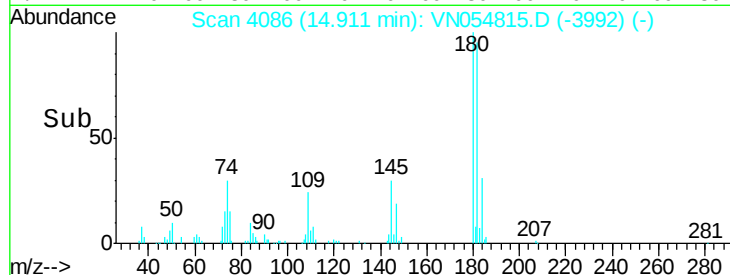
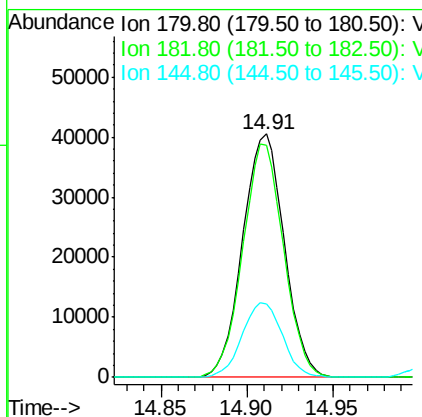
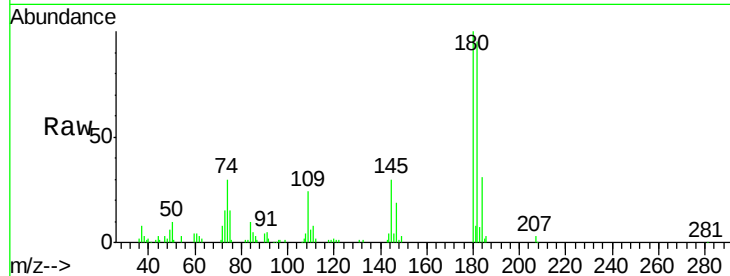
#93
 1,2,4-Trichlorobenzene
 Concen: 17.372 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.0	144.2
145	29.7	14.2	42.8

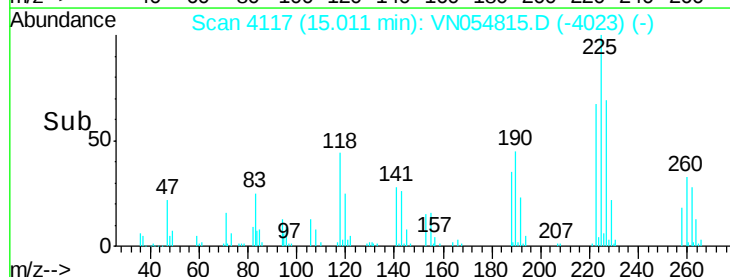
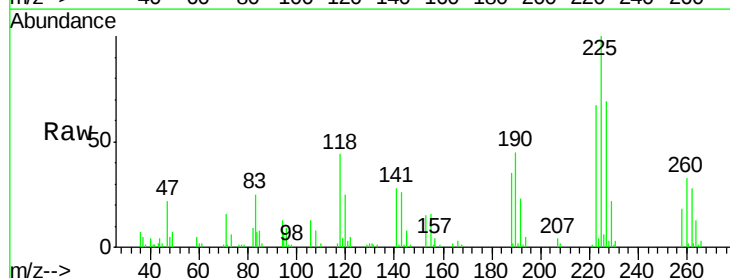
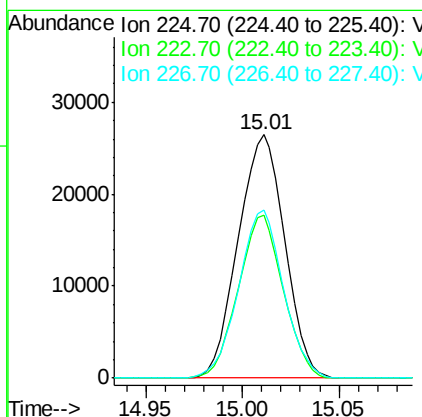
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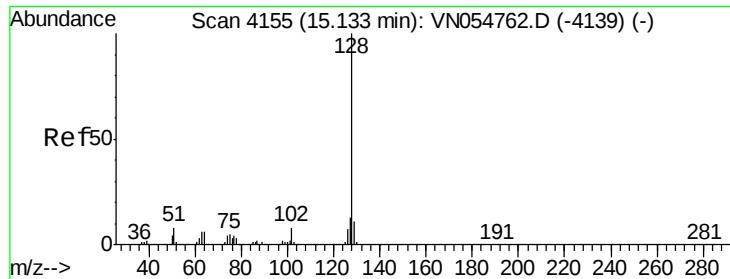
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#94
 Hexachlorobutadiene
 Concen: 17.711 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054815.D
 Acq: 30 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.1	93.5
227	66.5	31.9	95.9





#95

Naphthalene

Concen: 19.692 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Instrument :

MSVOA_N

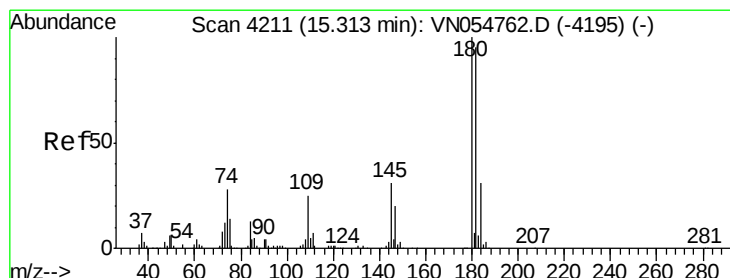
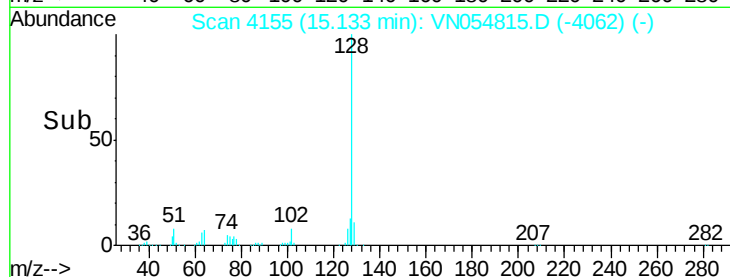
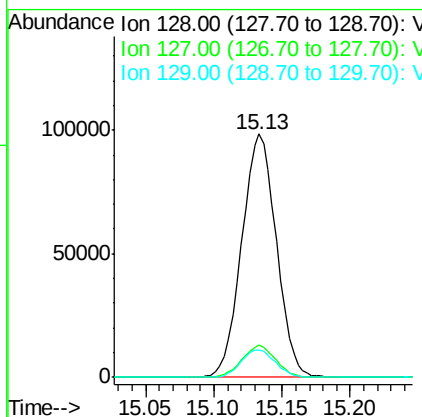
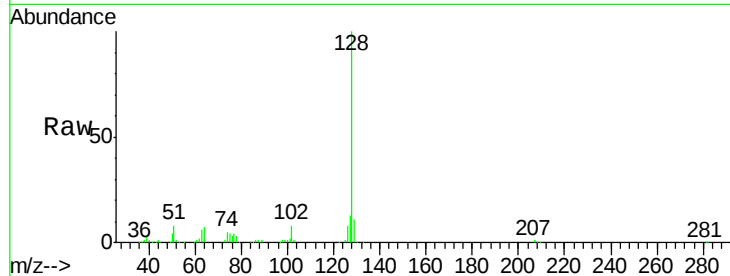
ClientSampleId :

VN0330WBSD01

Tot Ion:	128	Resp:	173241
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	11.2	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.491 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054815.D

Acq: 30 Mar 2019 20:52

Tgt Ion:	180	Resp:	73251
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.5	142.6
145	31.6	14.8	44.3

