

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054843.D
 Acq On : 31 Mar 2019 11:59
 Operator : JC/SP
 Sample : VN0331WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Manual Integrations
 APPROVED

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 4/1/2019 12:49:52 PM

Quant Time: Apr 01 03:00:23 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	427489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	685663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	252151	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	118560	20.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.14%	
35) Dibromofluoromethane	7.59	113	93724	20.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.00%	
50) Toluene-d8	10.09	98	339907	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	
62) 4-Bromofluorobenzene	12.40	95	113386	20.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.12%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	84139	19.458	ug/l 98
3) Chloromethane	2.06	50	114596	19.167	ug/l 100
4) Vinyl Chloride	2.19	62	106451	19.827	ug/l 98
5) Bromomethane	2.58	94	57525	19.044	ug/l 91
6) Chloroethane	2.71	64	58493	19.510	ug/l 97
7) Trichlorofluoromethane	3.02	101	136023	20.607	ug/l 99
8) Diethyl Ether	3.42	74	44417	20.897	ug/l 68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	74382	21.406	ug/l 93
10) Methyl Iodide	3.94	142	71300	14.988	ug/l # 86
11) Tert butyl alcohol	4.83	59	36988	123.193	ug/l 100
12) 1,1-Dichloroethene	3.73	96	69814	20.776	ug/l # 76
13) Acrolein	3.61	56	25164	93.751	ug/l 99
14) Allyl chloride	4.31	41	166349	20.098	ug/l # 91
15) Acrylonitrile	5.00	53	187811	112.539	ug/l 99
16) Acetone	3.82	43	193792	141.022	ug/l # 82
17) Carbon Disulfide	4.04	76	202484	18.578	ug/l 98
18) Methyl Acetate	4.33	43	85630	23.435	ug/l # 88
19) Methyl tert-butyl Ether	5.05	73	249243	21.204	ug/l 93
20) Methylene Chloride	4.54	84	98079	20.234	ug/l # 84
21) trans-1,2-Dichloroethene	5.04	96	87307	19.781	ug/l # 83
22) Diisopropyl ether	5.96	45	341193	20.842	ug/l # 93
23) Vinyl Acetate	5.90	43	1242538	109.069	ug/l # 93
24) 1,1-Dichloroethane	5.84	63	182127	20.856	ug/l 97
25) 2-Butanone	6.85	43	259454	127.727	ug/l # 89
26) 2,2-Dichloropropane	6.82	77	126341	20.642	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	102756	20.609	ug/l 87
28) Bromochloromethane	7.19	49	94683	21.683	ug/l # 70
29) Tetrahydrofuran	7.22	42	156861	111.182	ug/l # 84
30) Chloroform	7.37	83	175746	21.106	ug/l 99
31) Cyclohexane	7.65	56	171914	20.385	ug/l 91
32) 1,1,1-Trichloroethane	7.57	97	146241	21.192	ug/l 94
36) 1,1-Dichloropropene	7.79	75	130785	20.470	ug/l 96
37) Ethyl Acetate	6.94	43	102301	21.835	ug/l 95
38) Carbon Tetrachloride	7.77	117	124533	20.068	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	153020	21.785	ug/l	90
40) Benzene	8.04	78	392059	21.446	ug/l	98
41) Methacrylonitrile	7.18	41	56335	21.404	ug/l	88
42) 1,2-Dichloroethane	8.13	62	141916	21.741	ug/l	96
43) Isopropyl Acetate	8.17	43	174256	22.890	ug/l #	92
44) Trichloroethene	8.83	130	97328	20.509	ug/l	89
45) 1,2-Dichloropropane	9.12	63	108695	20.852	ug/l	97
46) Dibromomethane	9.21	93	63070	21.508	ug/l	89
47) Bromodichloromethane	9.40	83	130247	21.372	ug/l	96
48) Methyl methacrylate	9.20	41	87418	21.183	ug/l	87
49) 1,4-Dioxane	9.21	88	20139	491.836	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	502432	117.387	ug/l	91
52) Toluene	10.16	92	232971	21.416	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	116673	20.352	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	147020	21.469	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	88107	21.782	ug/l	96
56) Ethyl methacrylate	10.43	69	113835	21.454	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	152162	21.881	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	216794	101.276	ug/l	89
59) 2-Hexanone	10.75	43	332196	121.240	ug/l	89
60) Dibromochloromethane	10.90	129	88581	21.619	ug/l	100
61) 1,2-Dibromoethane	11.01	107	83460	21.591	ug/l	100
64) Tetrachloroethene	10.63	164	94938	20.868	ug/l	96
65) Chlorobenzene	11.43	112	239514	20.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	93314	21.478	ug/l	97
67) Ethyl Benzene	11.51	91	440346	21.023	ug/l	98
68) m/p-Xylenes	11.62	106	319527	41.222	ug/l	92
69) o-Xylene	11.95	106	156681	20.613	ug/l	94
70) Styrene	11.96	104	259119	21.321	ug/l	97
71) Bromoform	12.13	173	52128	20.480	ug/l #	99
73) Isopropylbenzene	12.25	105	421871	20.469	ug/l	98
74) N-amyl acetate	12.07	43	133124	20.733	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	111290	23.591	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	84446m	19.278	ug/l	
77) Bromobenzene	12.53	156	101585	20.423	ug/l	86
78) n-propylbenzene	12.59	91	465636	20.556	ug/l	96
79) 2-Chlorotoluene	12.68	91	283137	20.203	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	346946	20.516	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	21662	19.235	ug/l #	76
82) 4-Chlorotoluene	12.77	91	279527	20.535	ug/l	93
83) tert-Butylbenzene	12.99	119	297427	21.510	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	337238	20.932	ug/l	97
85) sec-Butylbenzene	13.17	105	381684	20.777	ug/l	97
86) p-Isopropyltoluene	13.29	119	330754	20.413	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	166332	19.973	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	163395	20.004	ug/l	97
89) n-Butylbenzene	13.62	91	262621	19.866	ug/l	96
90) Hexachloroethane	13.88	117	53156	19.323	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	167684	19.951	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15817	22.449	ug/l	79

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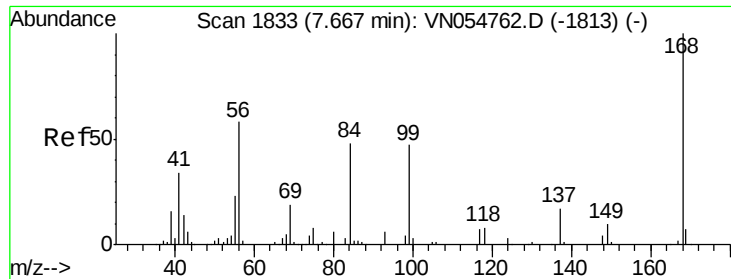
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72225	17.825	ug/l	99
94) Hexachlorobutadiene	15.01	225	52334	20.571	ug/l	99
95) Naphthalene	15.13	128	161618	17.784	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	78378	19.153	ug/l	98

(#) = 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: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VN0331WBS01

Tgt Ion: 168 Resp: 427489

Ion Ratio Lower Upper

168 100

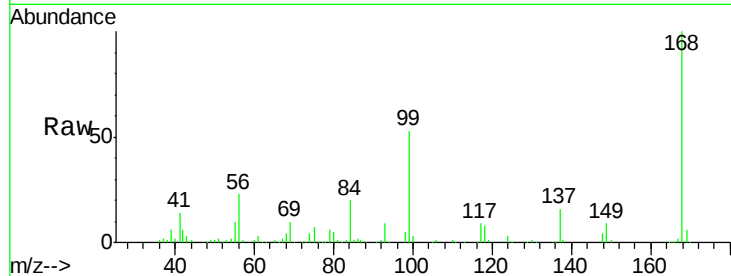
99 52.1 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

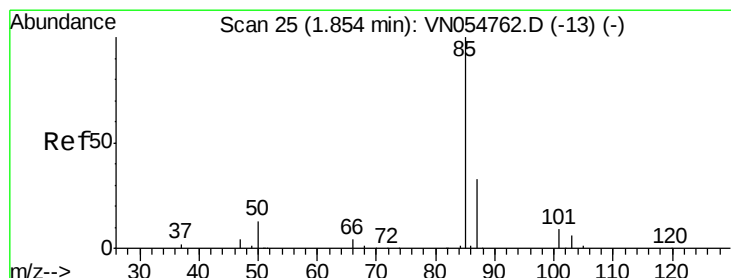
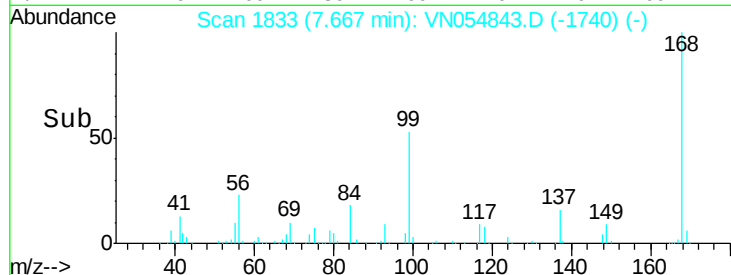
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.458 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054843.D

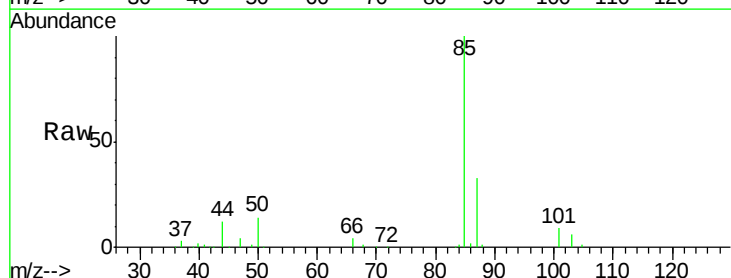
Acq: 31 Mar 2019 11:59

Tgt Ion: 85 Resp: 84139

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

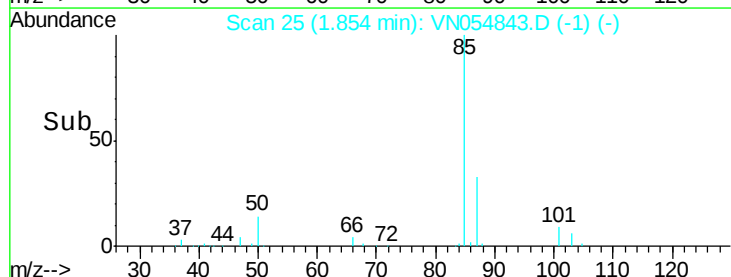
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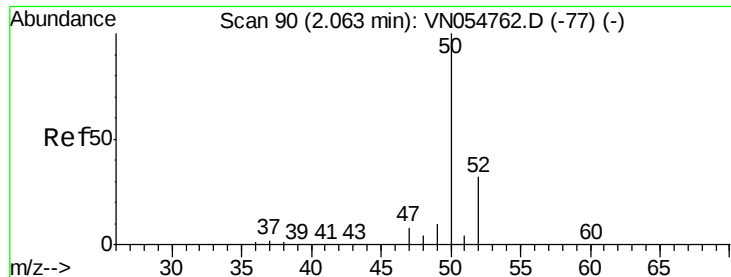
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20000

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Time-->





#3

Chloromethane

Concen: 19.167 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VN0331WBS01

Tgt Ion: 50 Resp: 114596

Ion Ratio Lower Upper

50 100

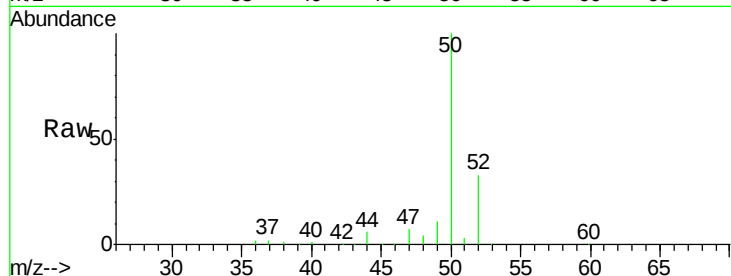
52 32.8 26.4 39.6

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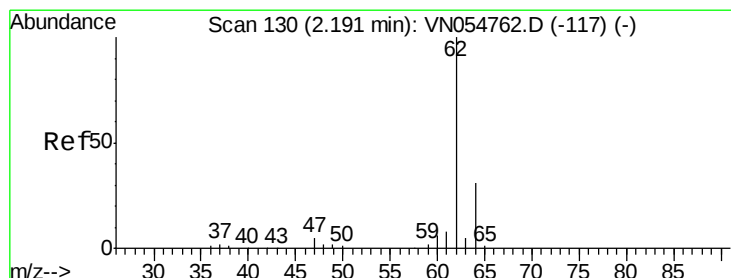
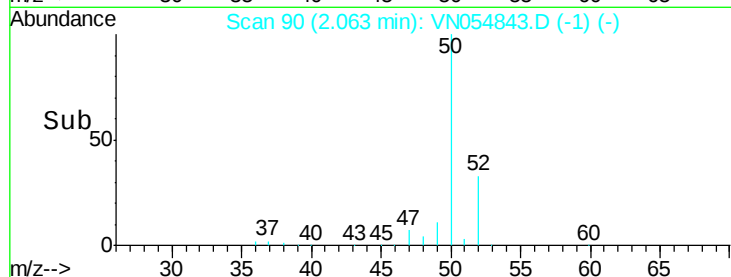
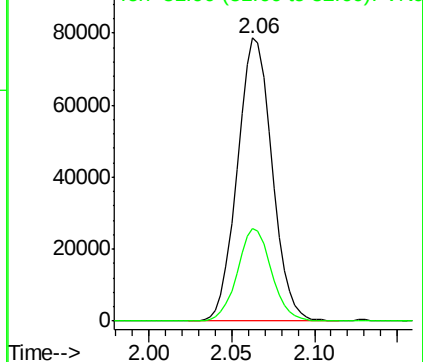
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.827 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054843.D

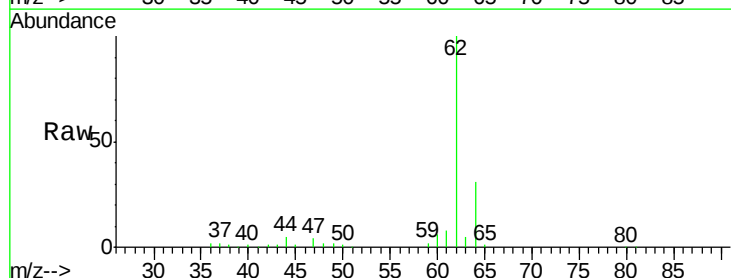
Acq: 31 Mar 2019 11:59

Tgt Ion: 62 Resp: 106451

Ion Ratio Lower Upper

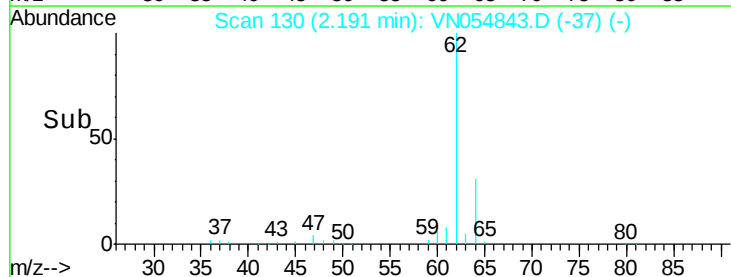
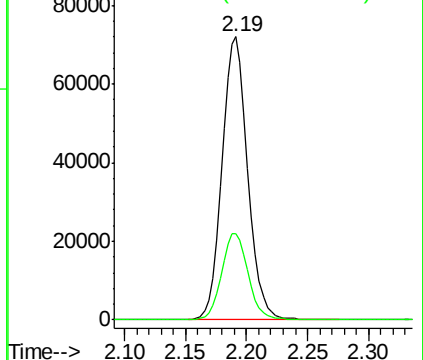
62 100

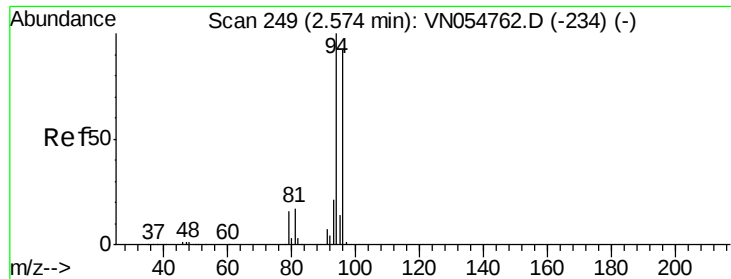
64 30.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.044 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

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Tgt Ion: 94 Resp: 57525

Ion Ratio Lower Upper

94 100

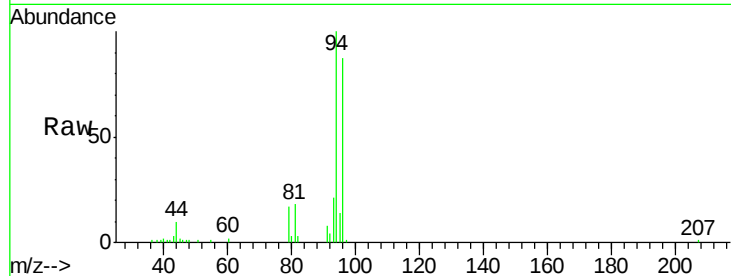
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Manual Integrations

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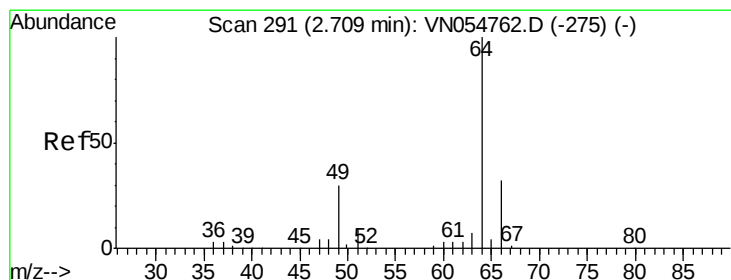
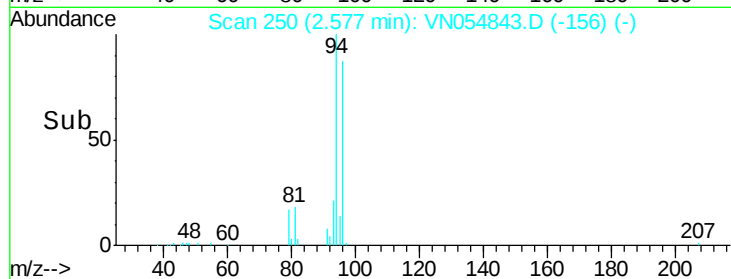
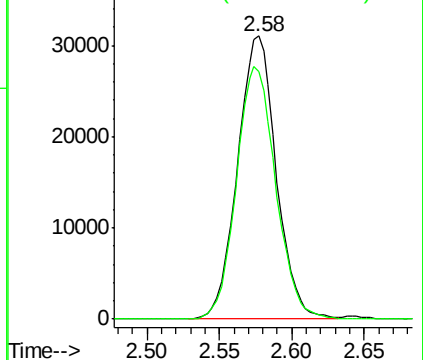
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4/1/2019 12:49:52 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.510 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054843.D

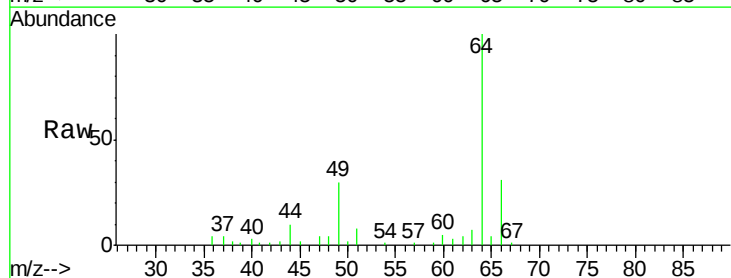
Acq: 31 Mar 2019 11:59

Tgt Ion: 64 Resp: 58493

Ion Ratio Lower Upper

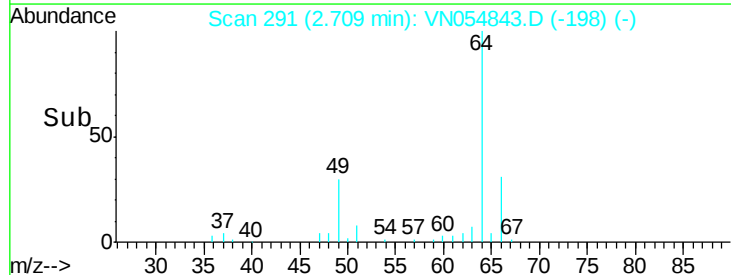
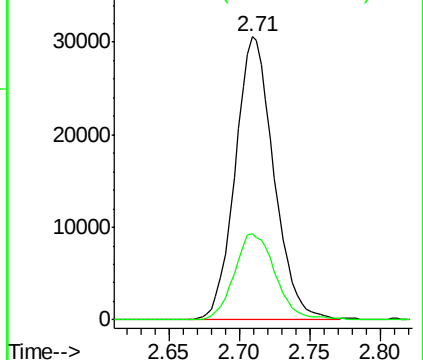
64 100

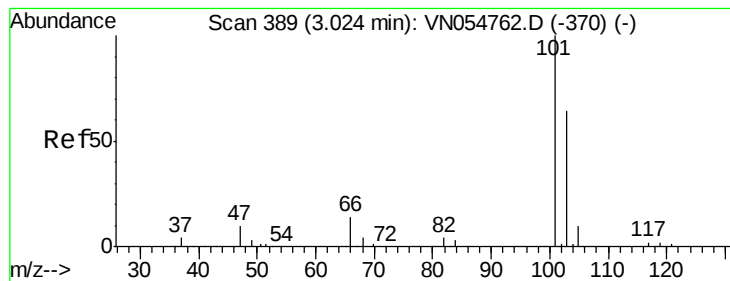
66 30.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





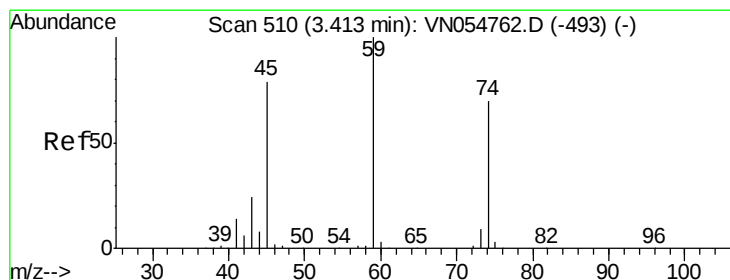
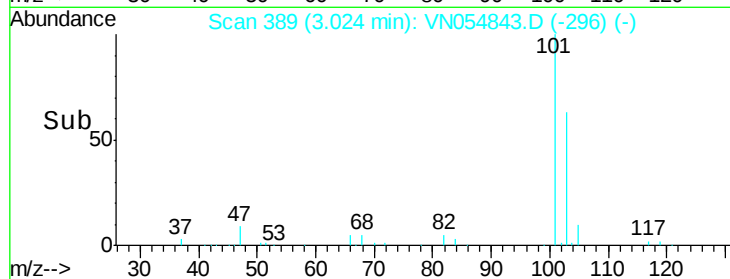
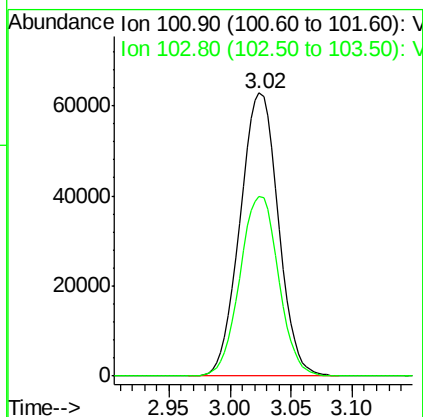
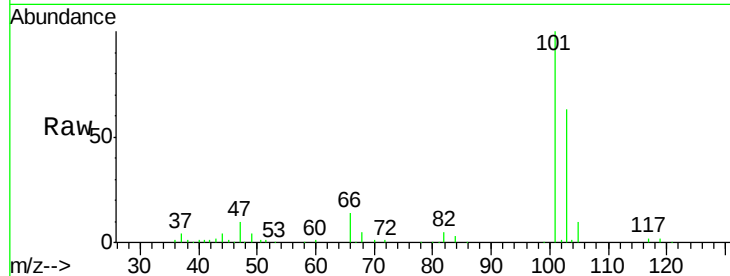
#7
 Trichlorofluoromethane
 Concen: 20.607 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

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Tgt Ion: 101 Resp: 136023
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.4 77.2

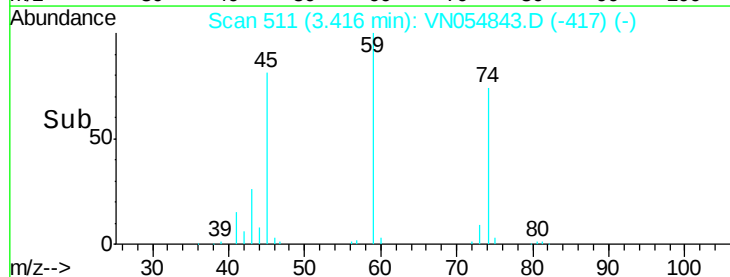
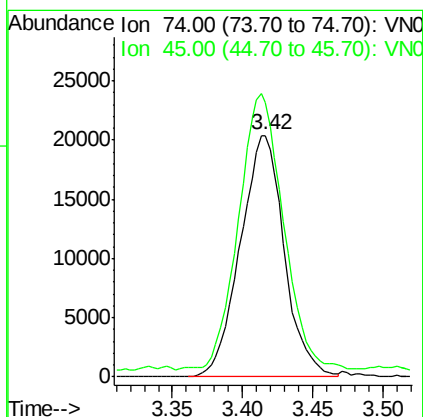
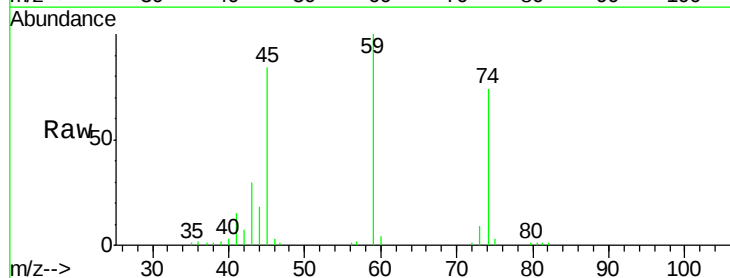
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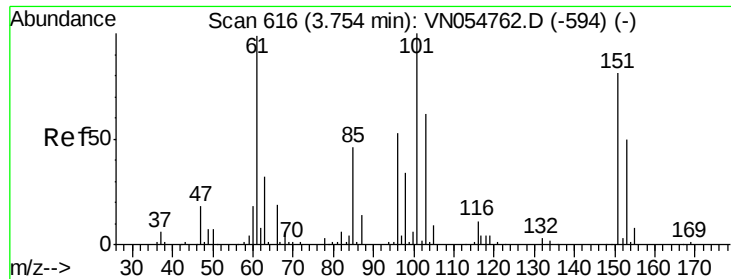
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 4/1/2019 12:49:52 PM



#8
 Diethyl Ether
 Concen: 20.897 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN054843.D
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Tgt Ion: 74 Resp: 44417
 Ion Ratio Lower Upper
 74 100
 45 115.7 43.1 129.4





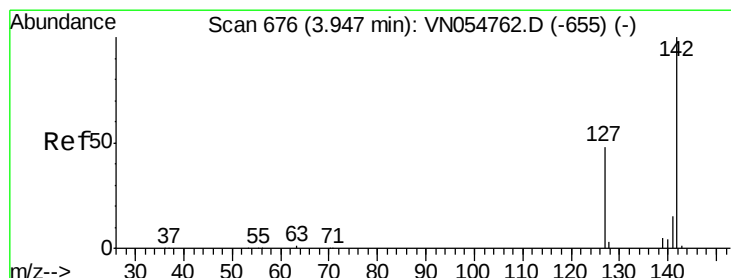
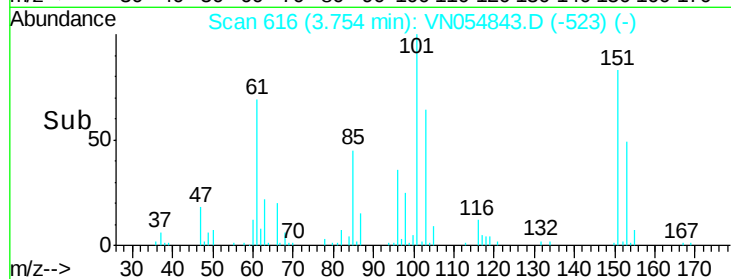
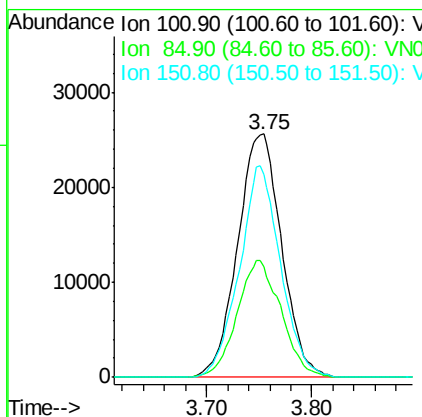
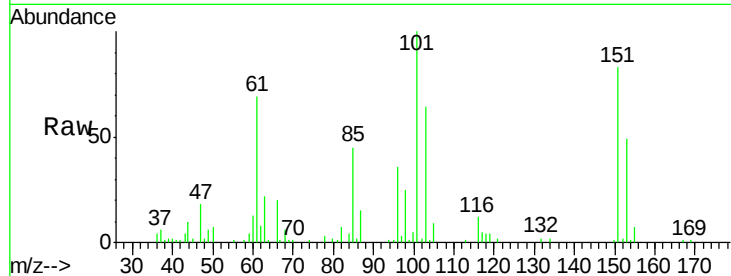
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.406 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0331WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.7	32.4	48.6
151	81.2	68.2	102.2

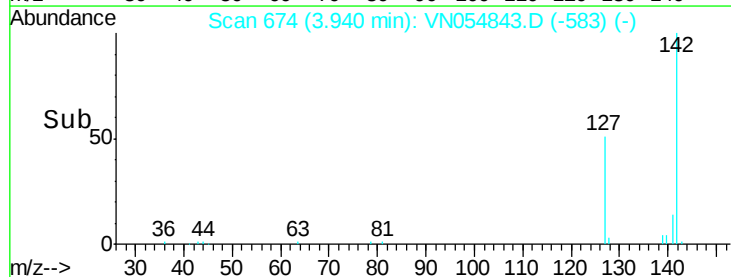
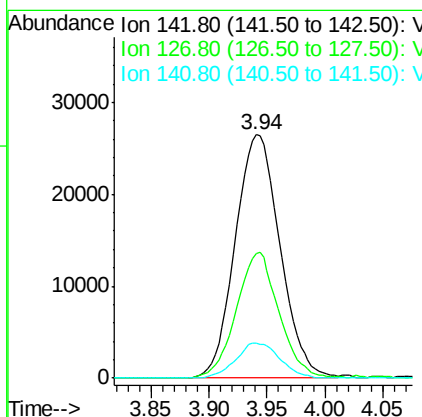
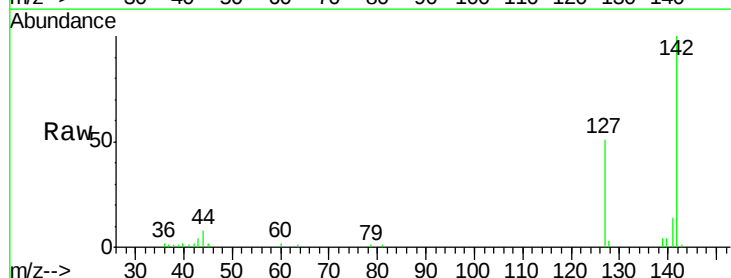
Manual Integrations
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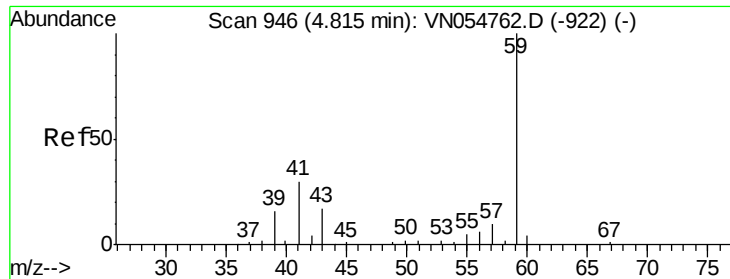
MMDadoda
 4/1/2019 12:49:52 PM



#10
 Methyl Iodide
 Concen: 14.988 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
142	100		
127	49.0	30.3	45.5#
141	14.2	11.2	16.8





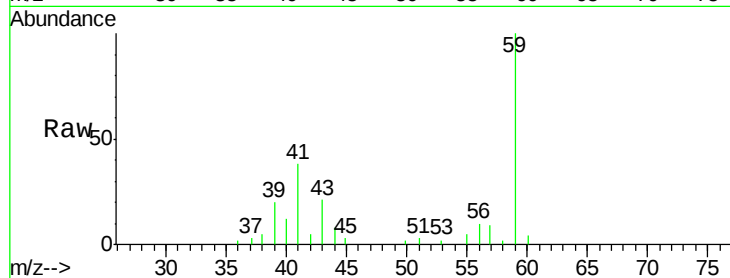
#11
Tert butyl alcohol
Concen: 123.193 ug/l
RT: 4.83 min Scan# 951
Delta R.T. 0.02 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VN0331WBS01

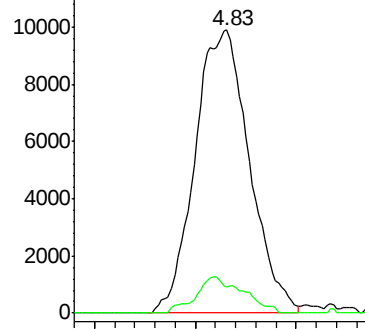
Tgt Ion: 59 Resp: 36988
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.6

Manual Integrations
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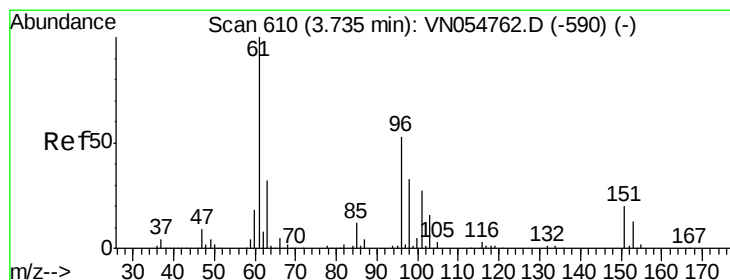
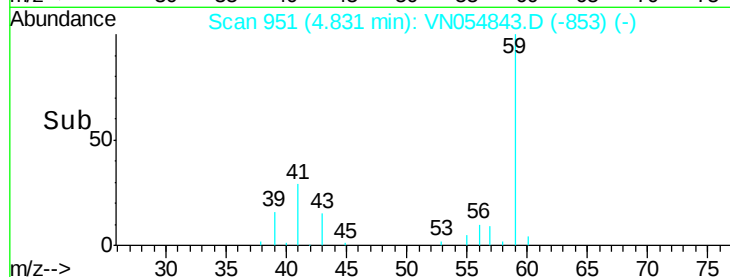
MMDadoda
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Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

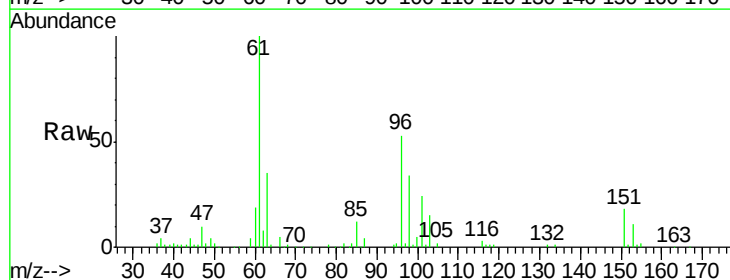


Time-->

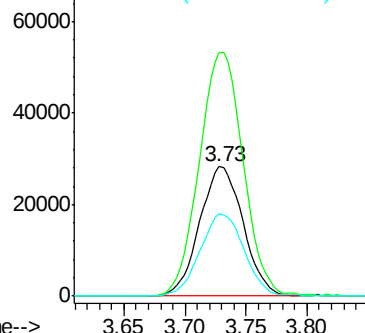


#12
1,1-Dichloroethene
Concen: 20.776 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

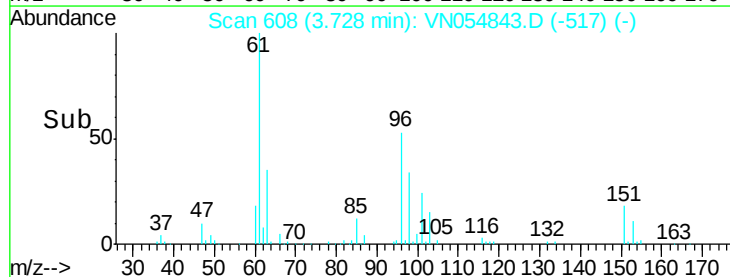
Tgt Ion: 96 Resp: 69814
Ion Ratio Lower Upper
96 100
61 187.9 116.5 174.7#
98 63.2 51.0 76.4

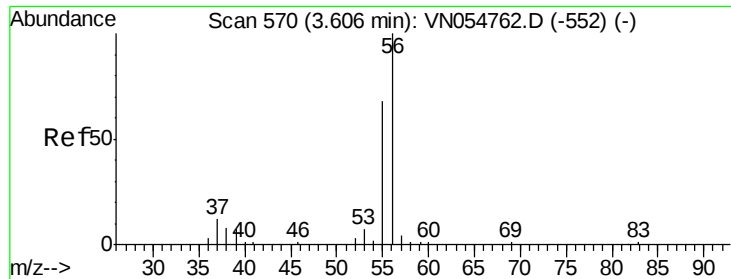


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



Time-->





#13

Acrolein

Concen: 93.751 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VN0331WBS01

Tgt Ion: 56 Resp: 25164

Ion Ratio Lower Upper

56 100

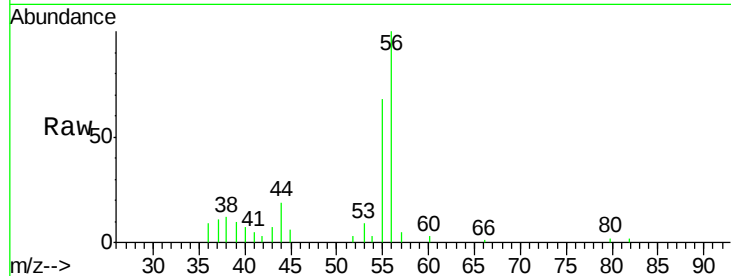
55 71.5 56.7 85.1

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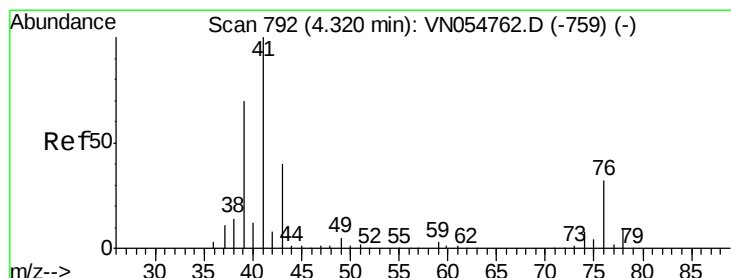
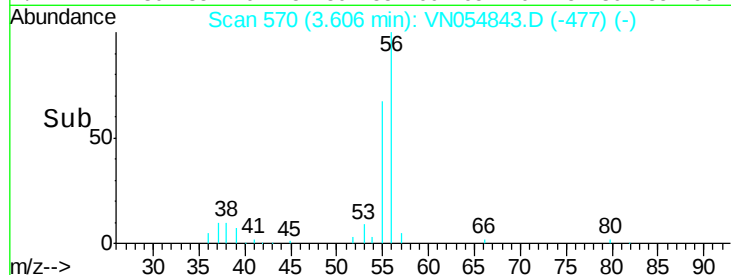
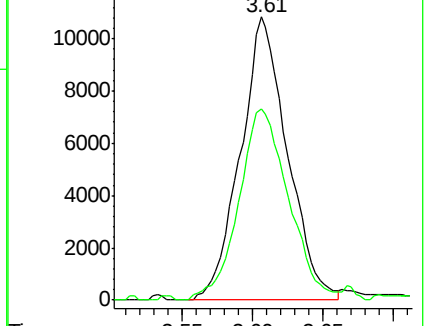
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.098 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

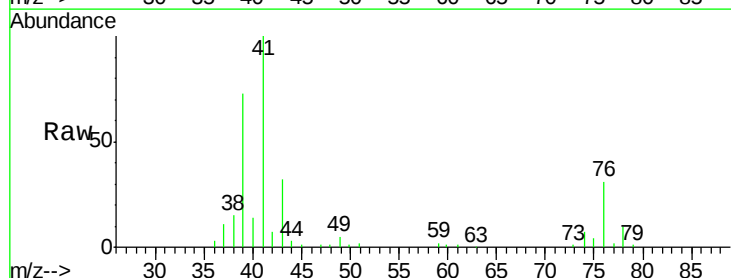
Tgt Ion: 41 Resp: 166349

Ion Ratio Lower Upper

41 100

39 68.2 58.2 87.4

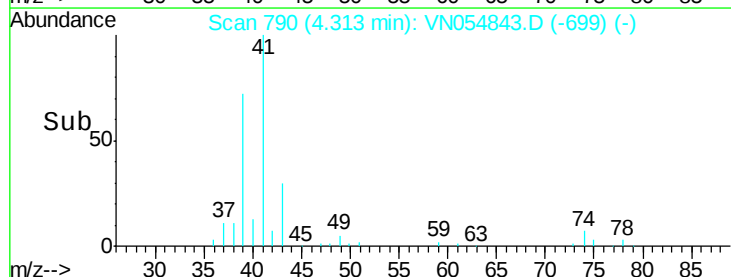
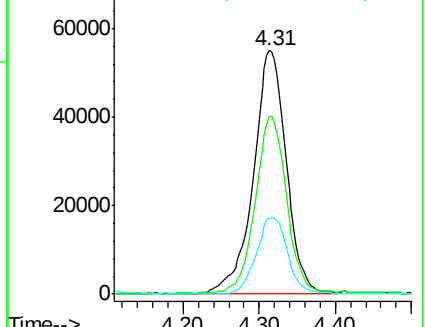
76 29.6 31.7 47.5#

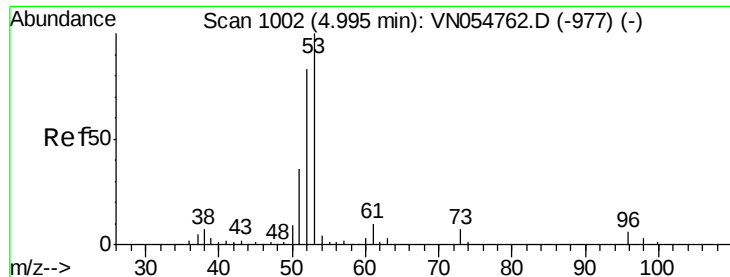


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 112.539 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

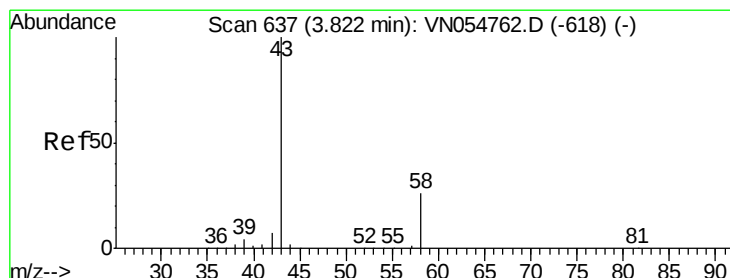
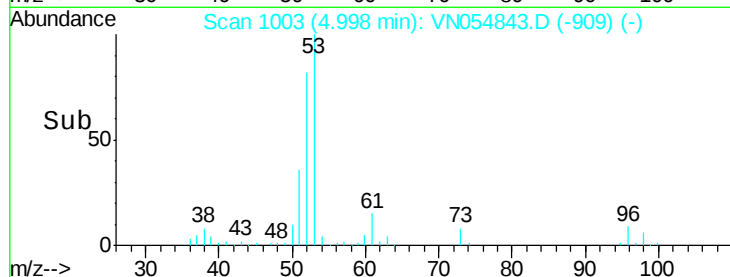
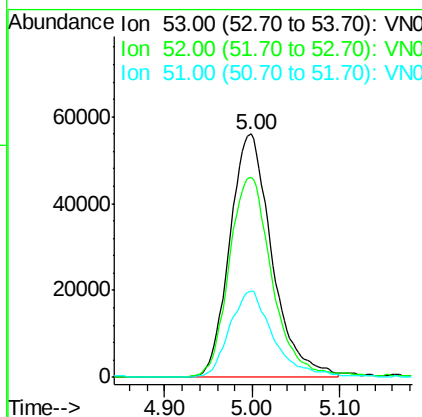
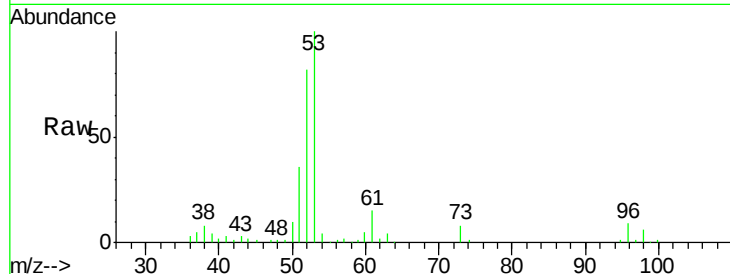
ClientSampleId :

VN0331WBS01

Tgt Ion:	53	Resp:	187811
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.4	99.6
51	35.9	29.6	44.4

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#16

Acetone

Concen: 141.022 ug/l

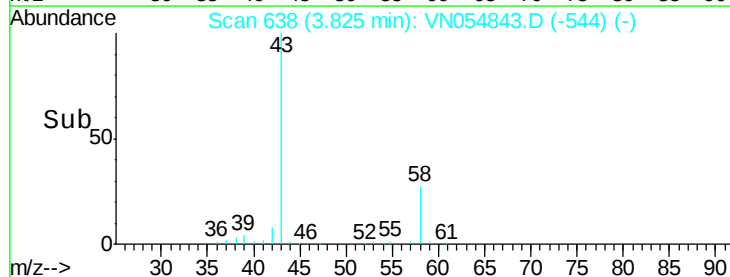
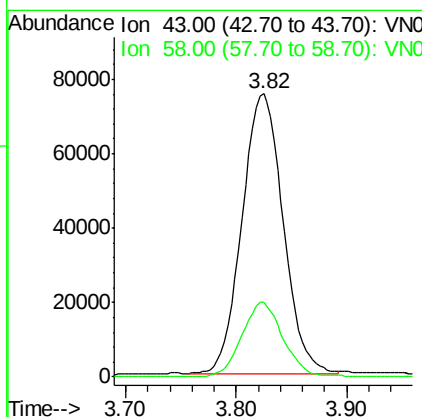
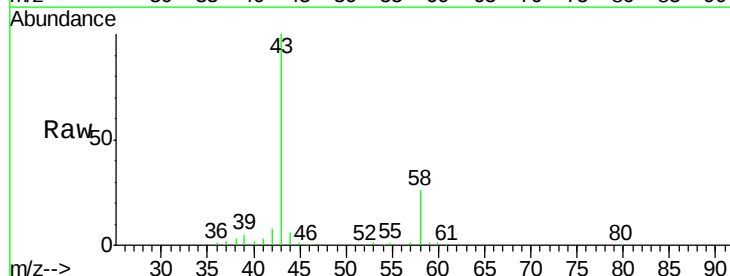
RT: 3.82 min Scan# 638

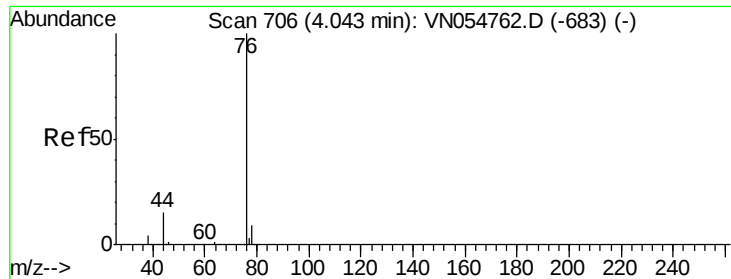
Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion:	43	Resp:	193792
Ion	Ratio	Lower	Upper
43	100		
58	26.5	29.9	44.9#





#17

Carbon Disulfide

Concen: 18.578 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VN0331WBS01

Tgt Ion: 76 Resp: 202484

Ion Ratio Lower Upper

76 100

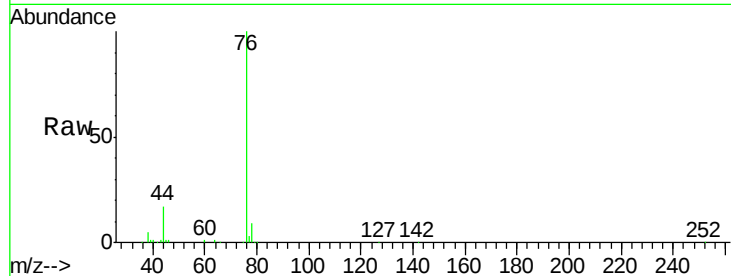
78 8.8 7.5 11.3

Manual Integrations

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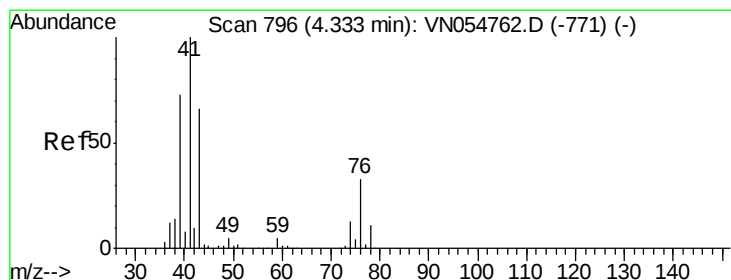
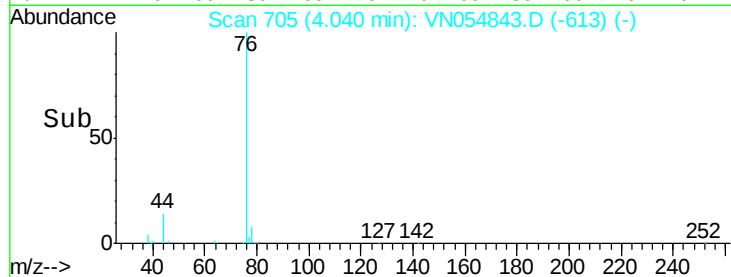
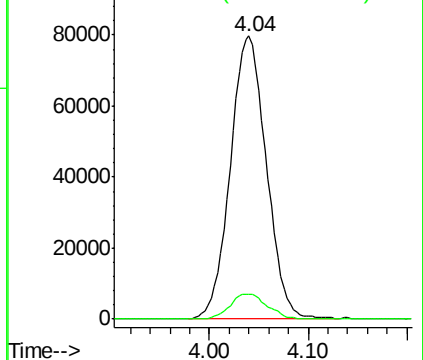
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 23.435 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054843.D

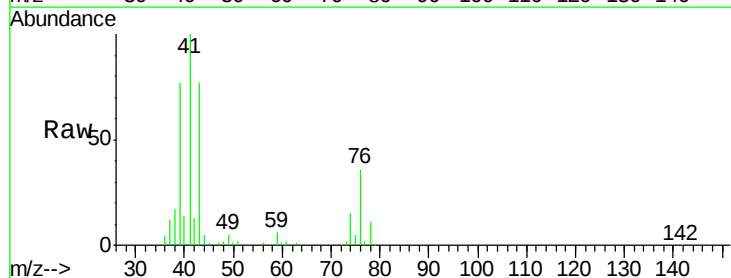
Acq: 31 Mar 2019 11:59

Tgt Ion: 43 Resp: 85630

Ion Ratio Lower Upper

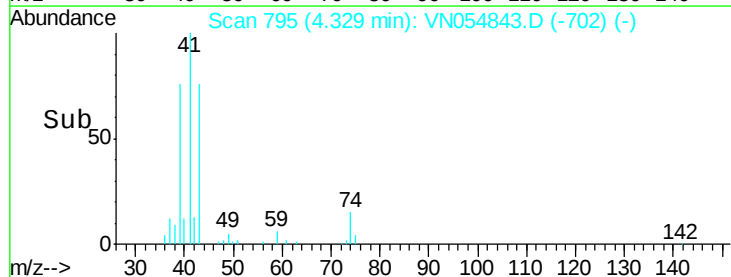
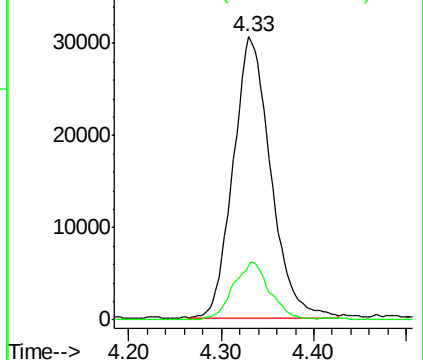
43 100

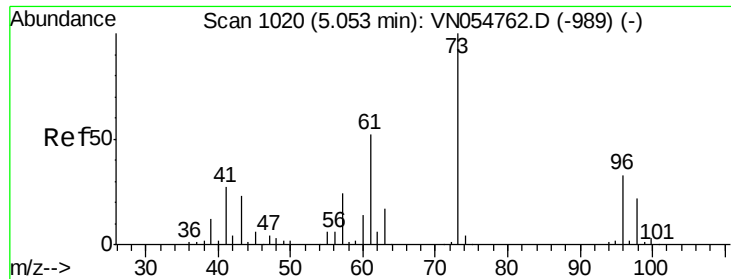
74 20.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





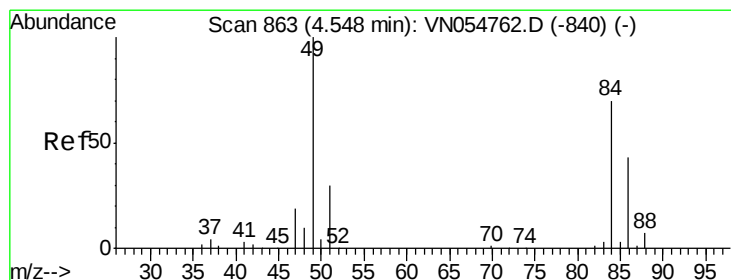
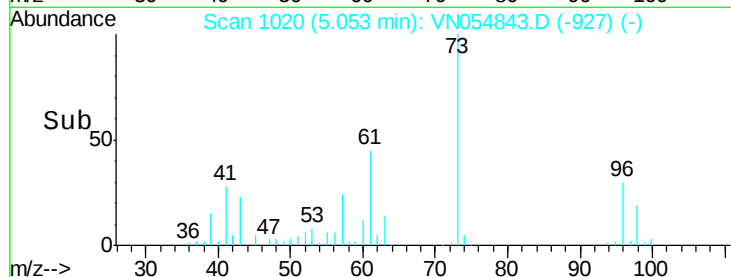
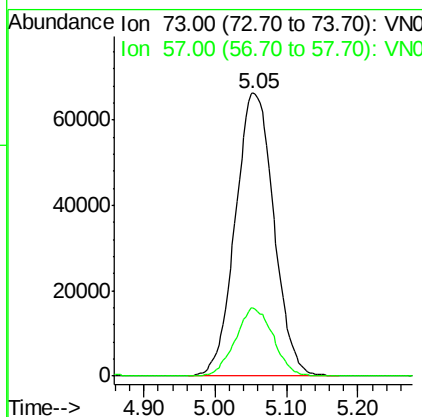
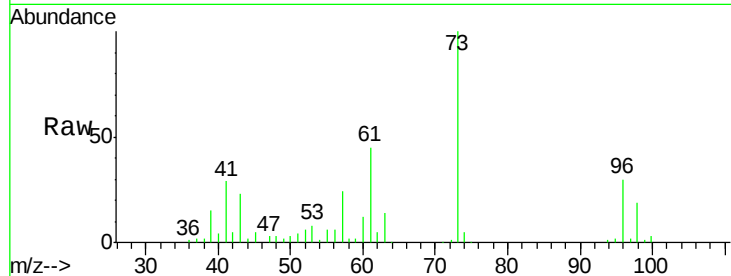
#19
Methyl tert-butyl Ether
Concen: 21.204 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VN0331WBS01

Tgt Ion: 73 Resp: 249243
Ion Ratio Lower Upper
73 100
57 24.3 16.8 25.2

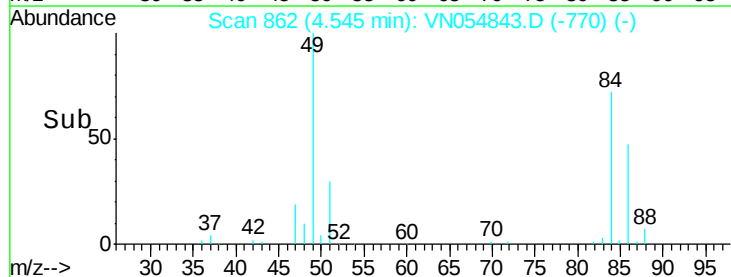
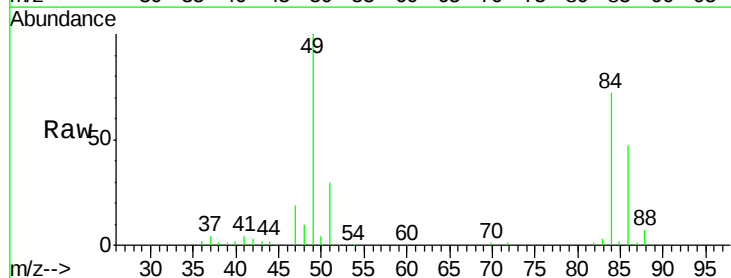
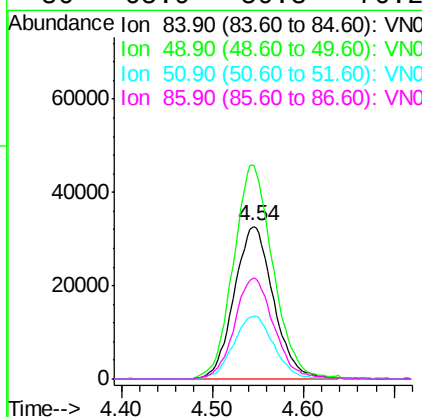
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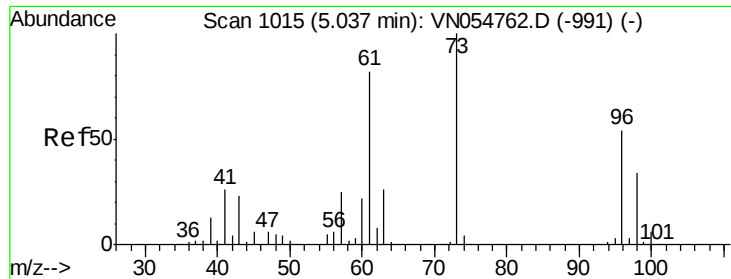
MMDadoda
4/1/2019 12:49:52 PM



#20
Methylene Chloride
Concen: 20.234 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 84 Resp: 98079
Ion Ratio Lower Upper
84 100
49 139.7 89.7 134.5#
51 41.5 28.2 42.4
86 65.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.781 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VN0331WBS01

Tgt Ion: 96 Resp: 87307

Ion Ratio Lower Upper

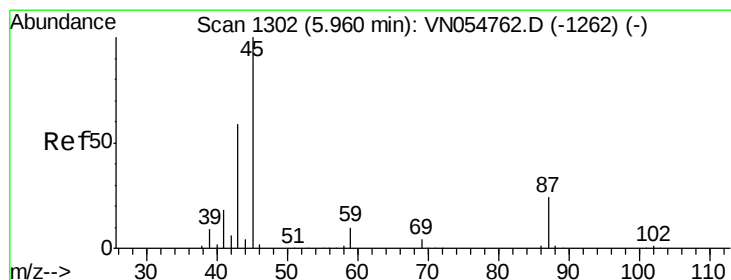
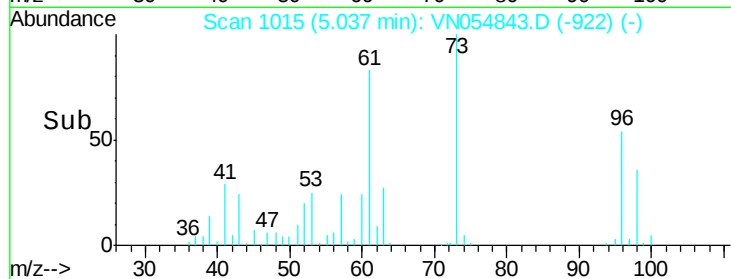
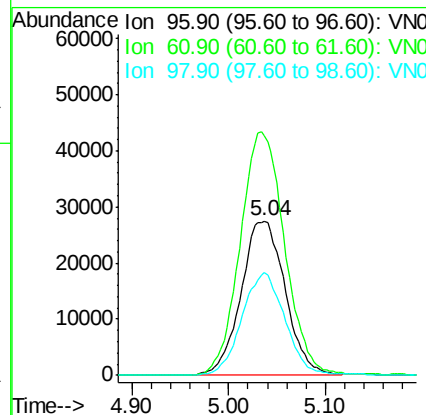
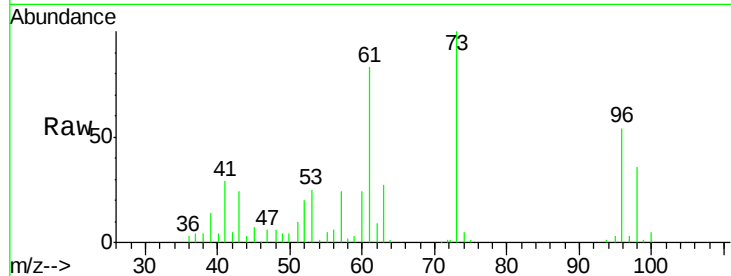
96 100

61 155.1 102.8 154.2#

98 66.3 50.0 75.0

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#22

Diisopropyl ether

Concen: 20.842 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion: 45 Resp: 341193

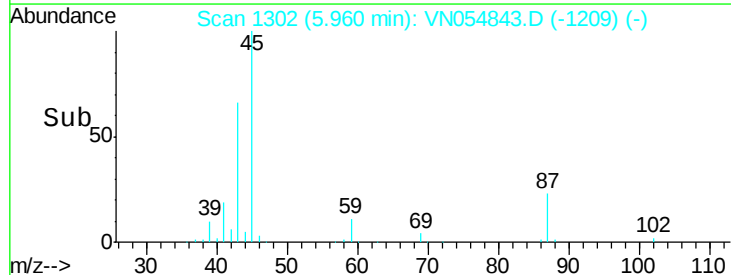
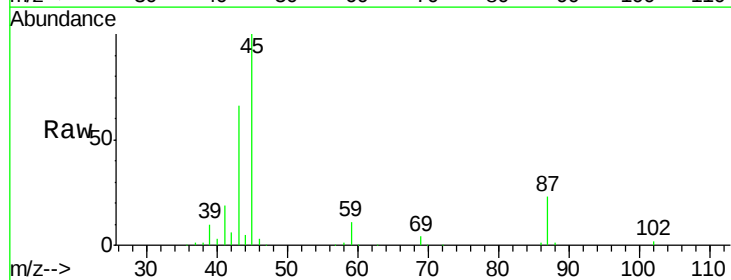
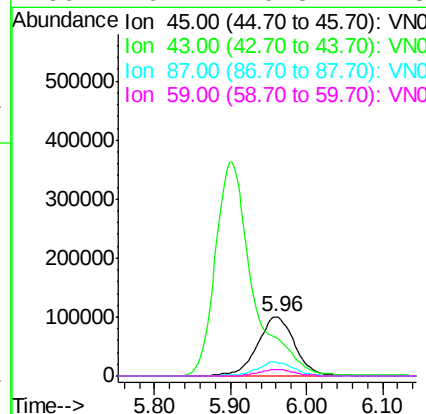
Ion Ratio Lower Upper

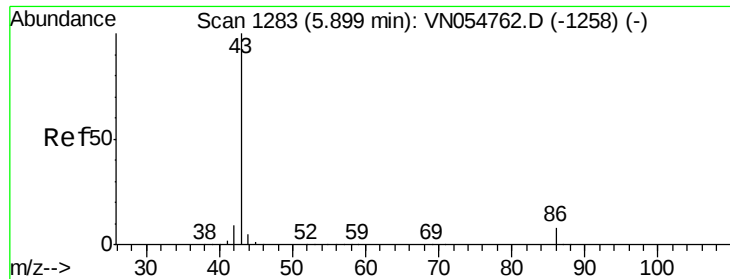
45 100

43 63.3 48.2 72.2

87 22.9 24.9 37.3#

59 10.4 9.5 14.3





#23

Vinyl Acetate

Concen: 109.069 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VN0331WBS01

Tgt Ion: 43 Resp: 1242538

Ion Ratio Lower Upper

43 100

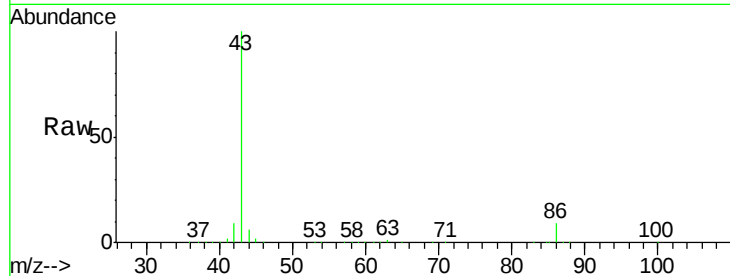
86 8.8 9.1 13.7#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

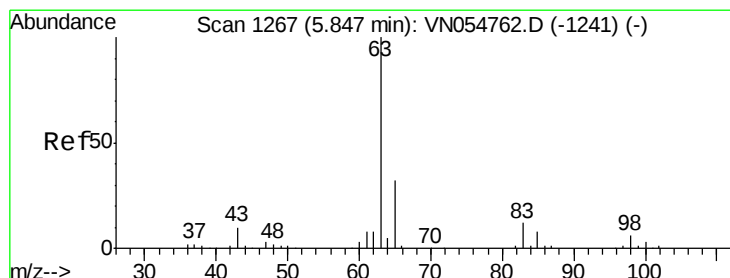
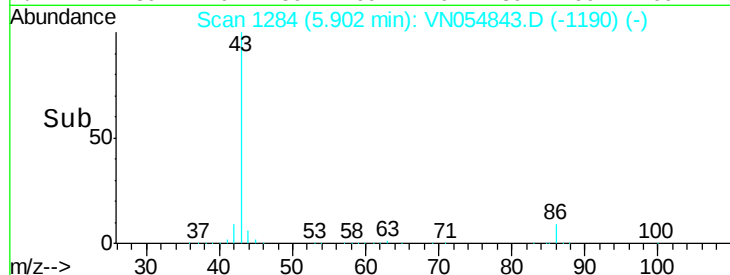
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.856 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

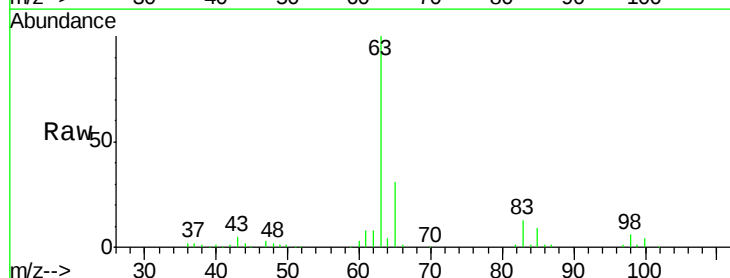
Tgt Ion: 63 Resp: 182127

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.84

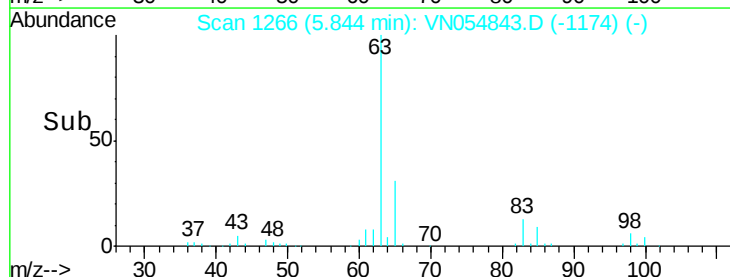
60000

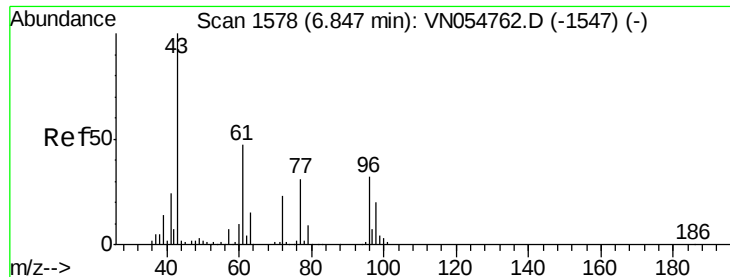
40000

20000

0

Time-->





#25

2-Butanone

Concen: 127.727 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VN0331WBS01

Tgt Ion: 43 Resp: 259454

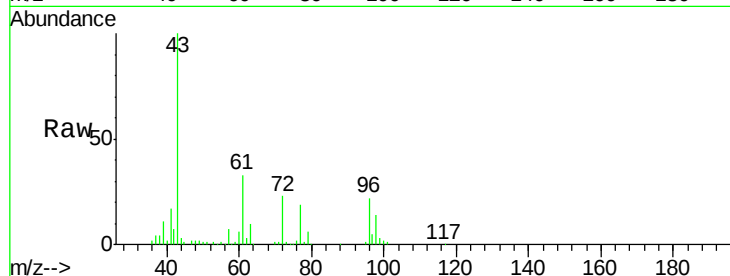
Ion Ratio Lower Upper

43 100

72 23.0 23.0 34.6#

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

100000

80000

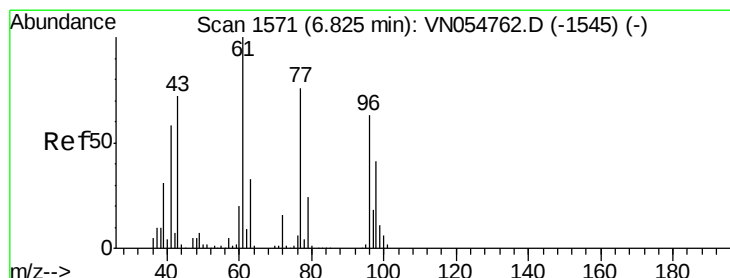
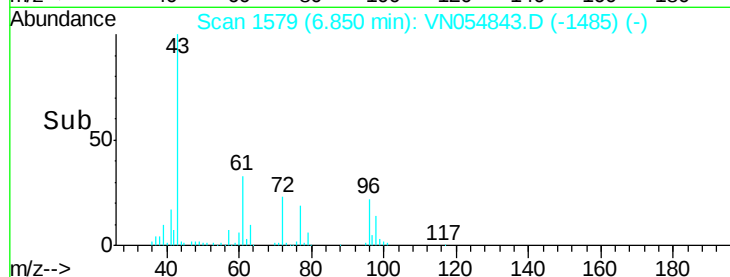
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 20.642 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054843.D

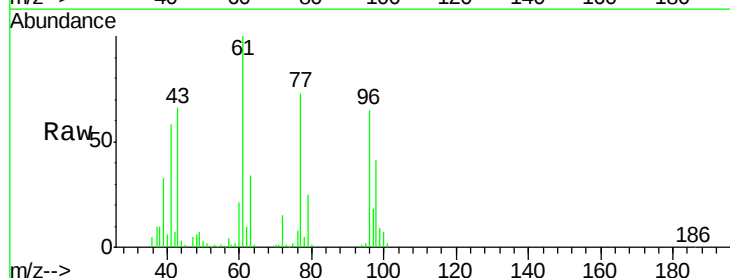
Acq: 31 Mar 2019 11:59

Tgt Ion: 77 Resp: 126341

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

40000

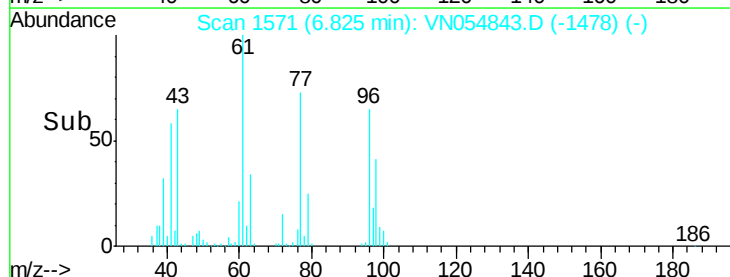
30000

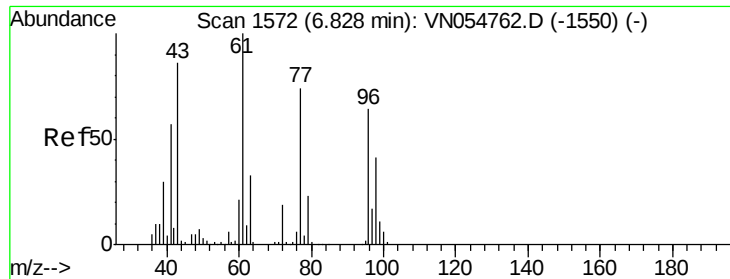
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 20.609 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

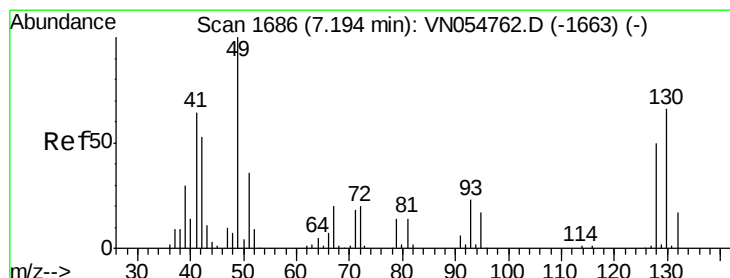
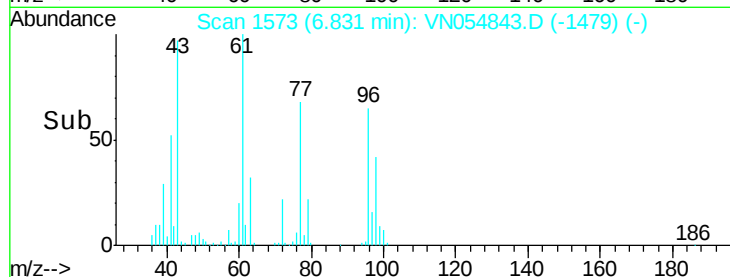
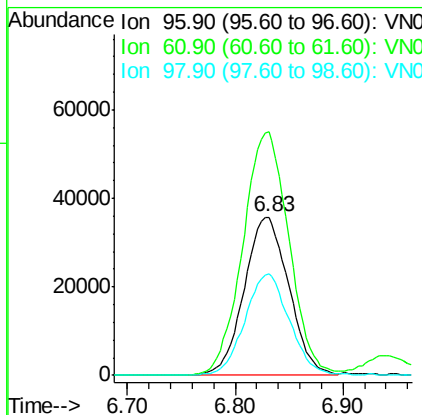
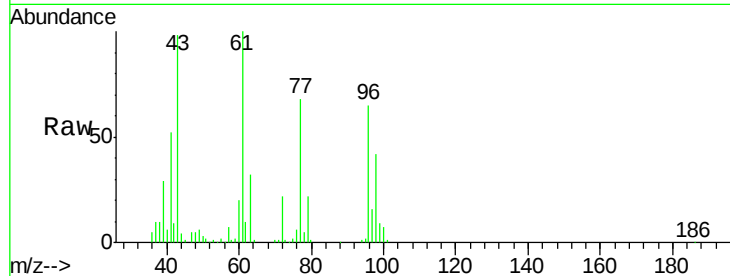
ClientSampleId :

VN0331WBS01

Tgt Ion:	96	Resp:	102756
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	273.0
98	63.7	0.0	130.6

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#28

Bromochloromethane

Concen: 21.683 ug/l

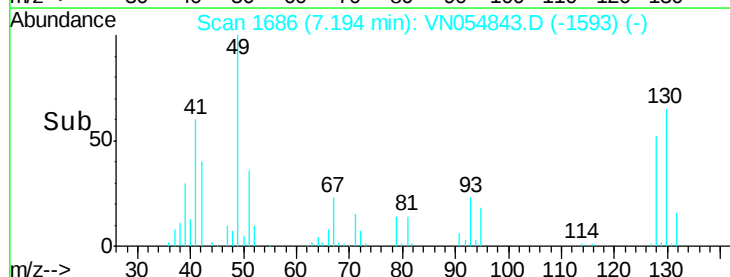
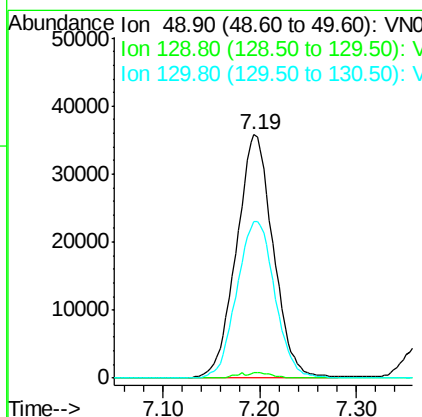
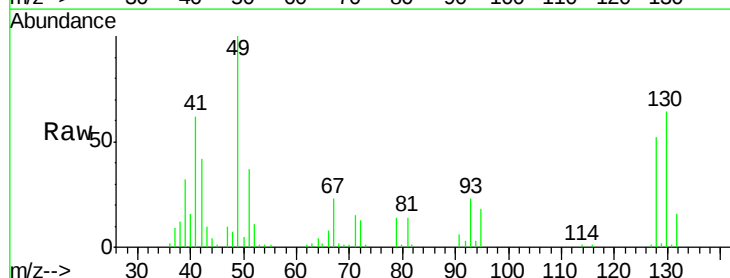
RT: 7.19 min Scan# 1686

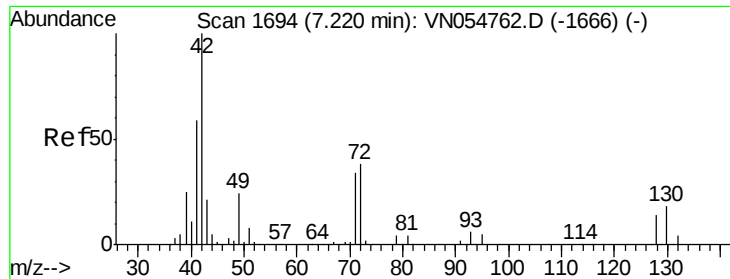
Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion:	49	Resp:	94683
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	66.3	76.7	115.1#





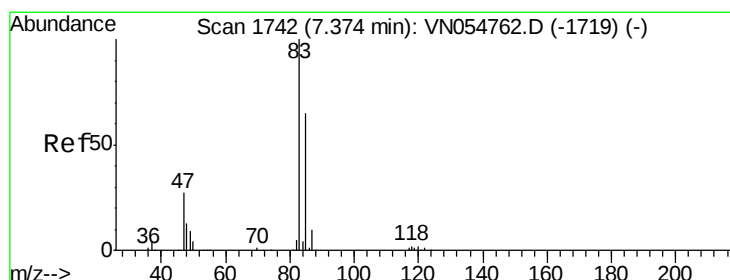
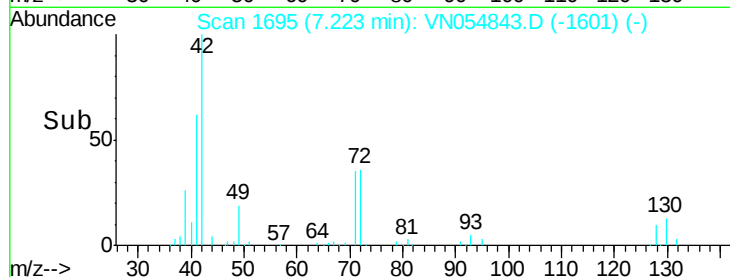
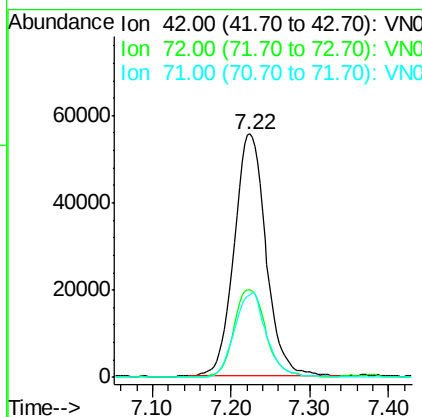
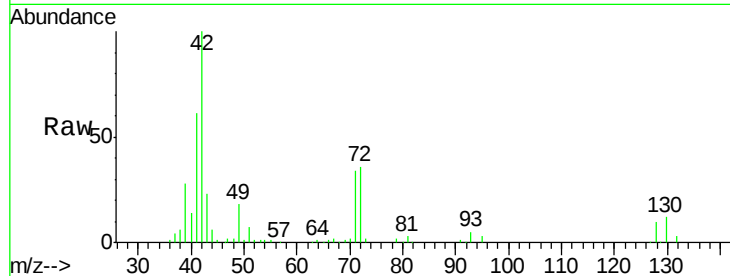
#29
Tetrahydrofuran
Concen: 111.182 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VN0331WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.7	37.8	56.6#
71	35.1	36.2	54.2#

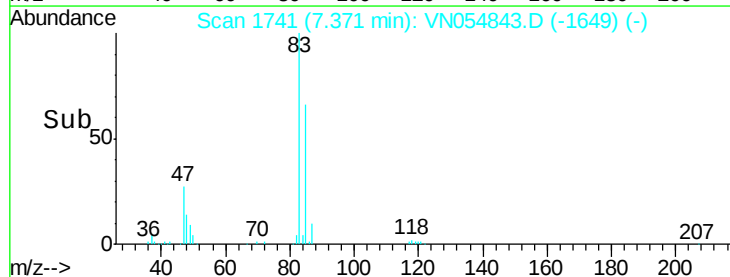
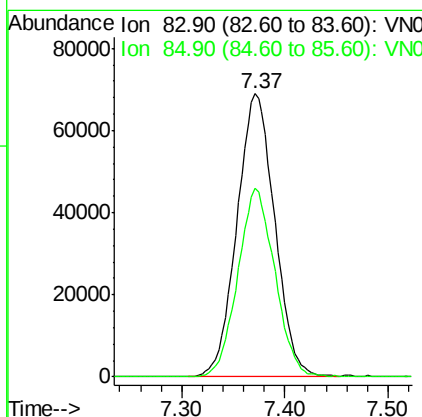
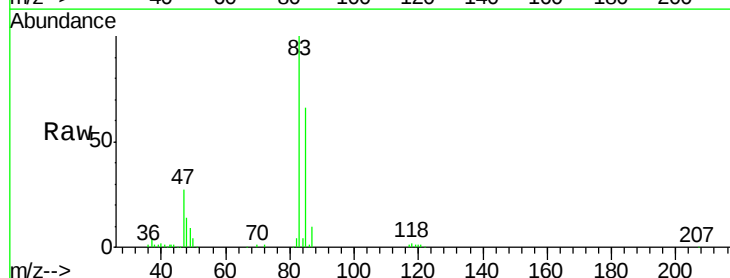
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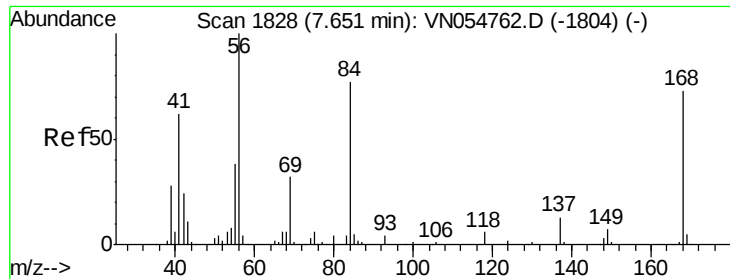
MMDadoda
4/1/2019 12:49:52 PM



#30
Chloroform
Concen: 21.106 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.2	78.4





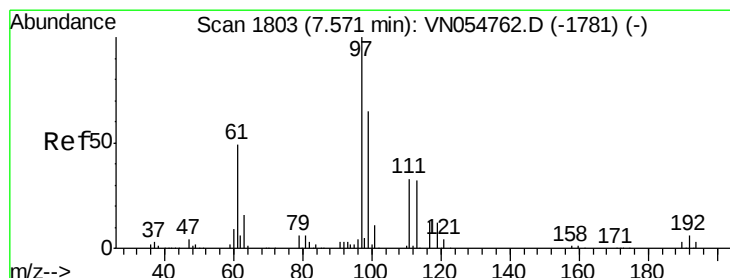
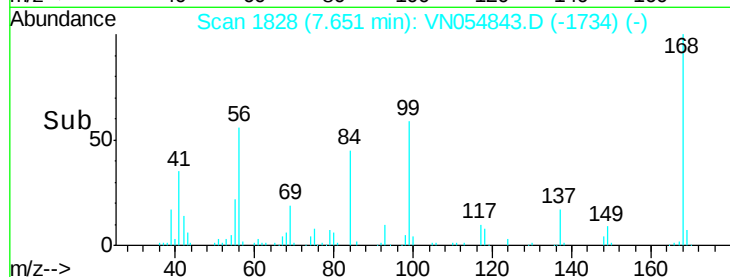
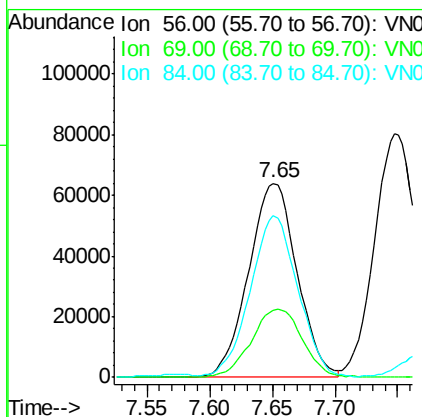
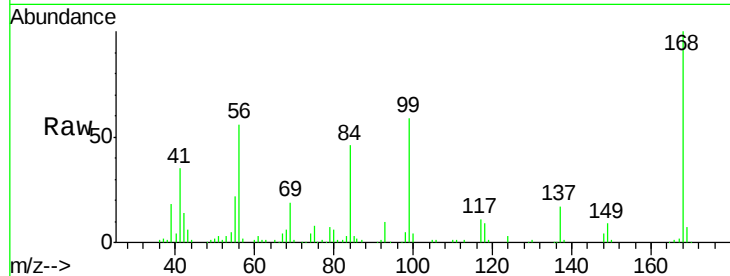
#31
Cyclohexane
Concen: 20.385 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VN0331WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.7	27.8	41.6
84	81.4	74.6	111.8

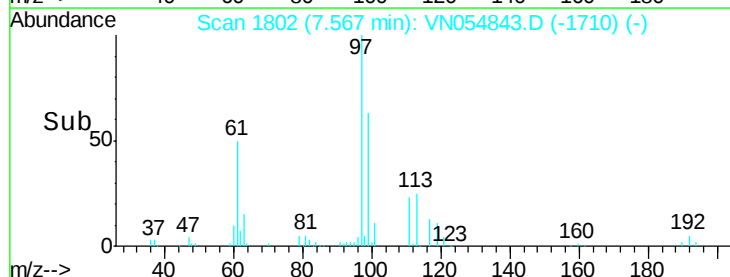
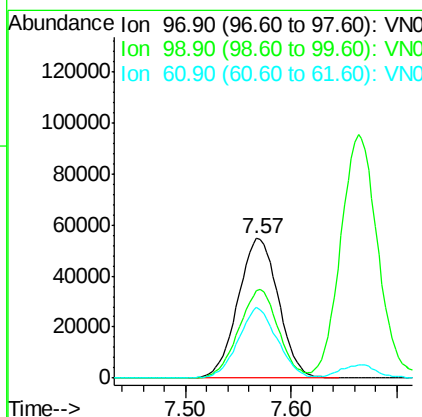
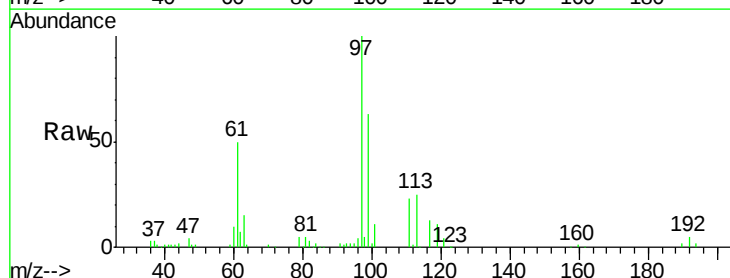
Manual Integrations
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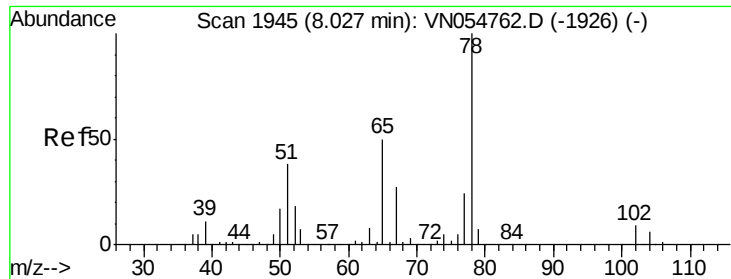
MMDadoda
4/1/2019 12:49:52 PM



#32
1,1,1-Trichloroethane
Concen: 21.192 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.5	77.3
61	48.4	33.6	50.4





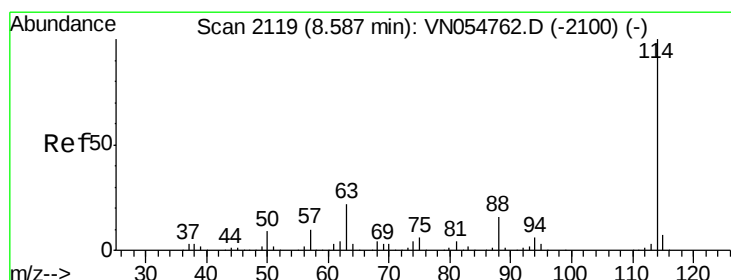
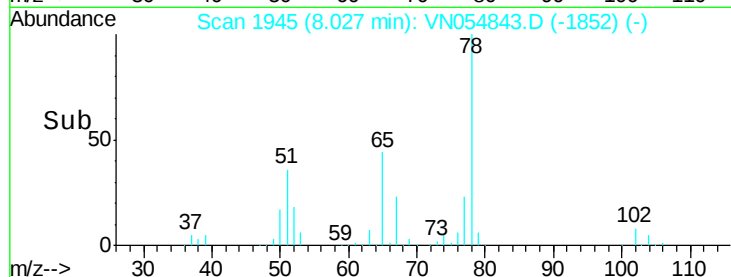
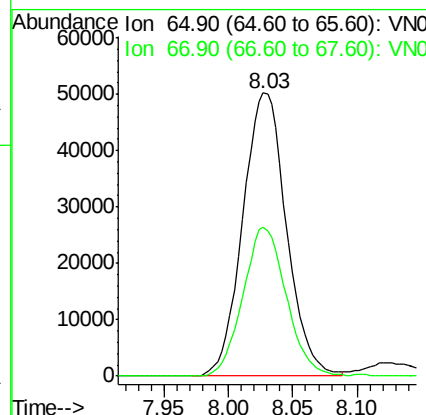
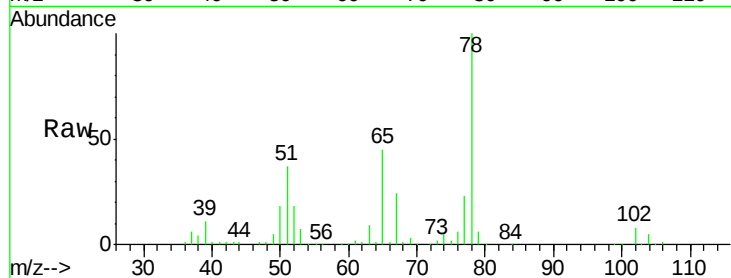
#33
 1,2-Dichloroethane-d4
 Concen: 20.574 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	118560		
67	51.9	0.0	104.6	

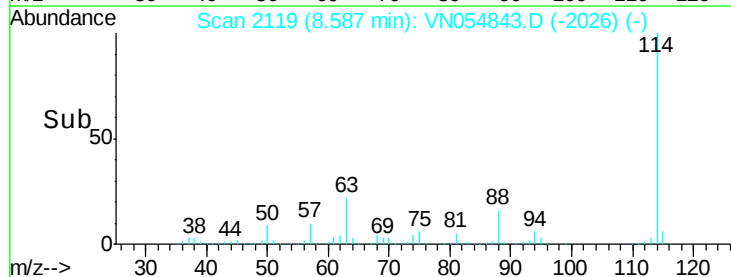
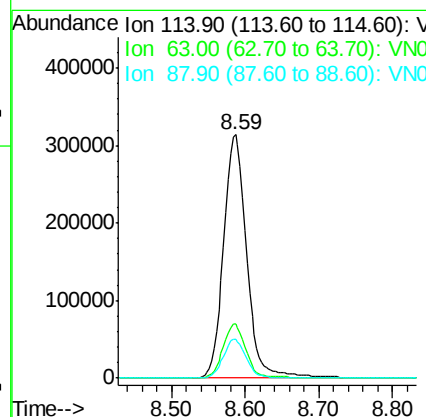
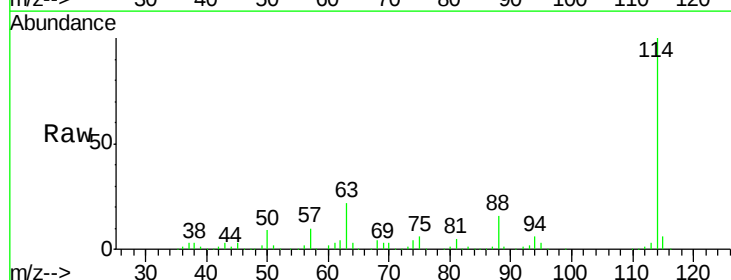
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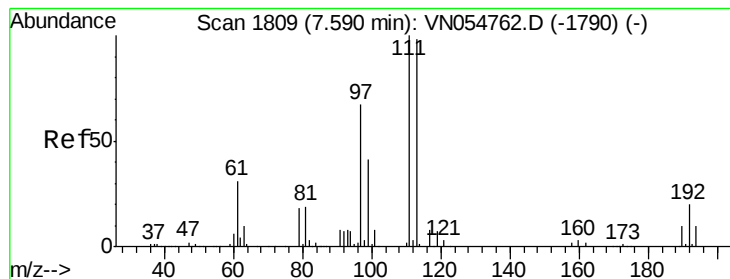
MMDadoda
 4/1/2019 12:49:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	685663		
63	22.3	0.0	35.2	
88	15.9	0.0	30.2	





#35

Dibromofluoromethane

Concen: 20.503 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

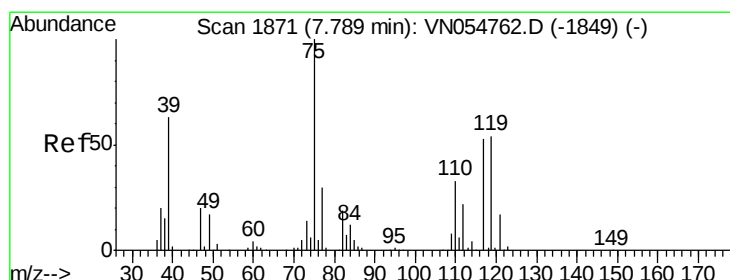
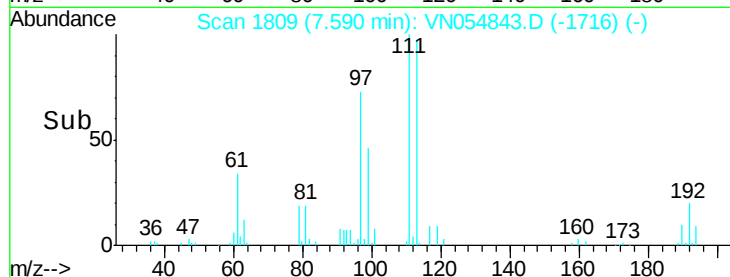
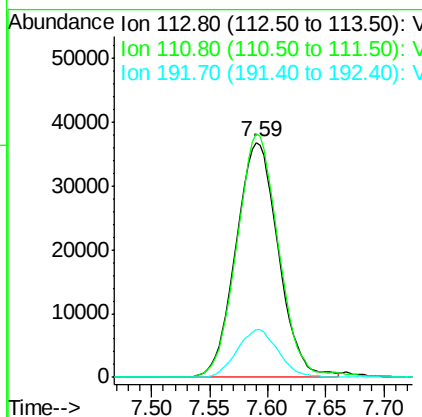
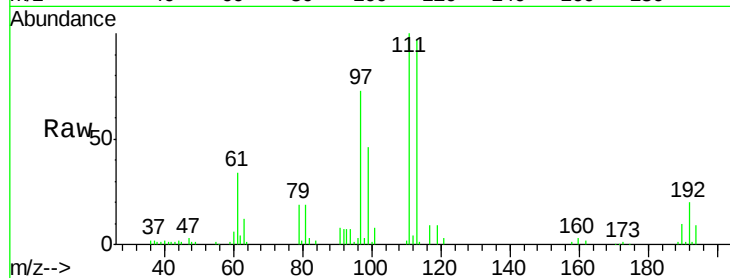
ClientSampled :

VN0331WBS01

Tgt Ion:	113	Resp:	93724
Ion Ratio	Lower	Upper	
113	100		
111	101.2	82.2	123.4
192	19.7	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 20.470 ug/l

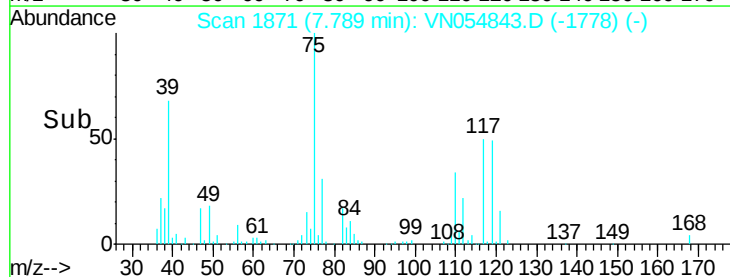
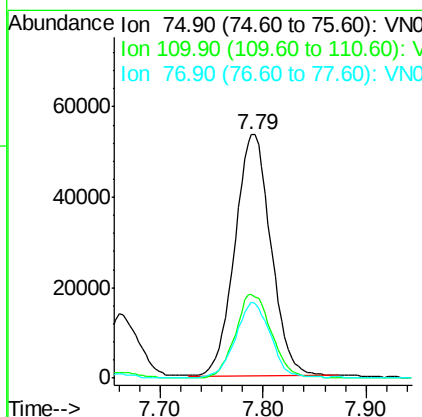
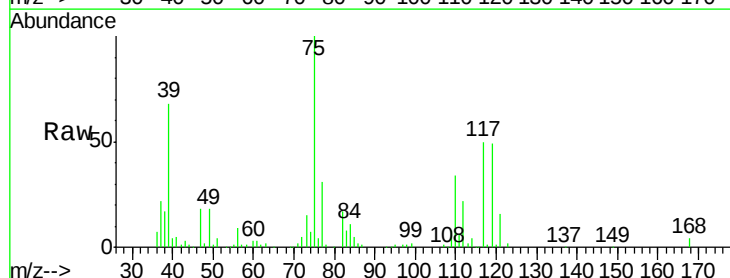
RT: 7.79 min Scan# 1871

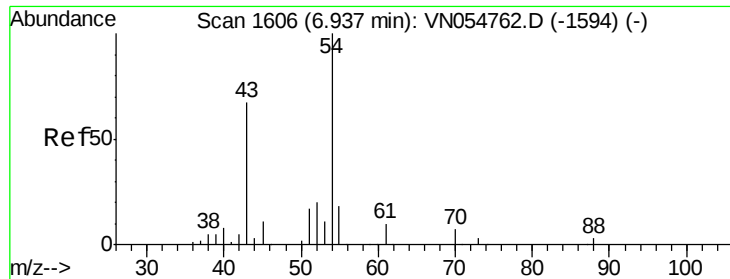
Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion:	75	Resp:	130785
Ion Ratio	Lower	Upper	
75	100		
110	34.7	19.1	57.5
77	30.7	25.0	37.4





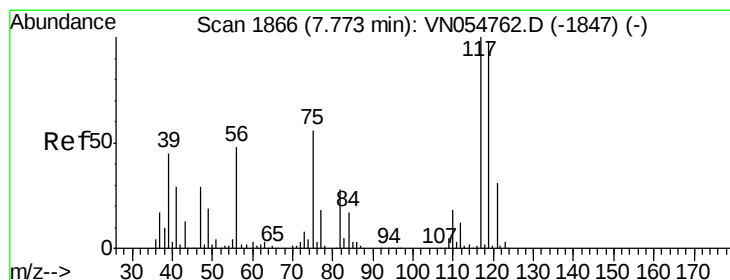
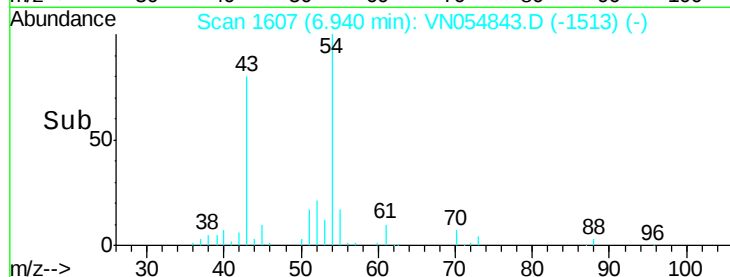
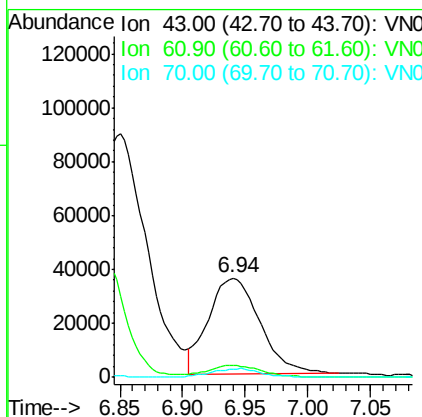
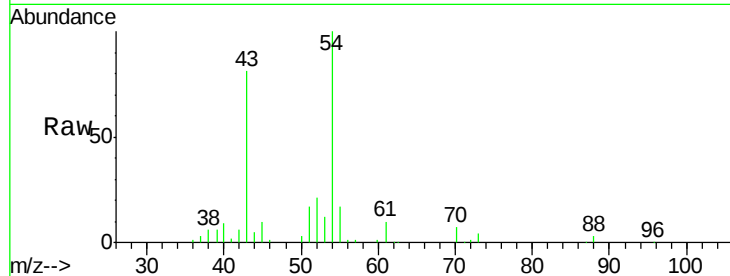
#37
Ethyl Acetate
Concen: 21.835 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VN0331WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.8	17.6
70	8.9	8.4	12.6

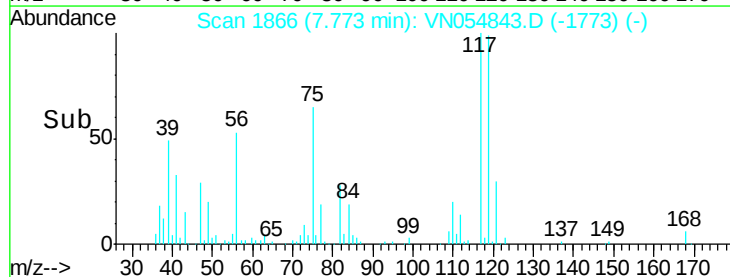
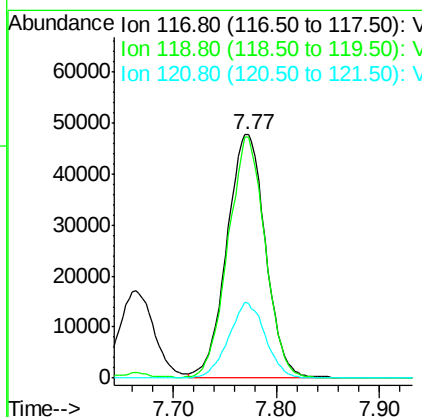
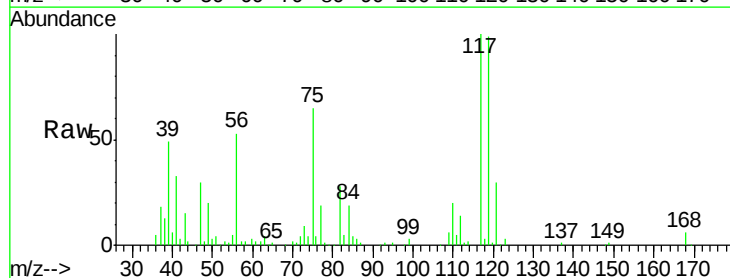
Manual Integrations
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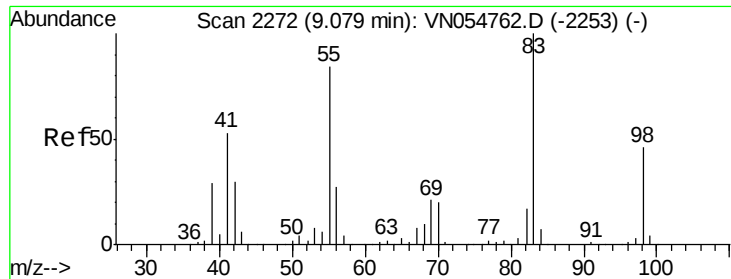
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#38
Carbon Tetrachloride
Concen: 20.068 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.3	114.5
121	30.4	24.6	36.8





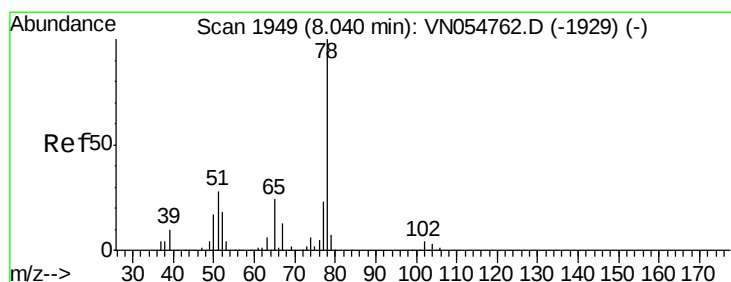
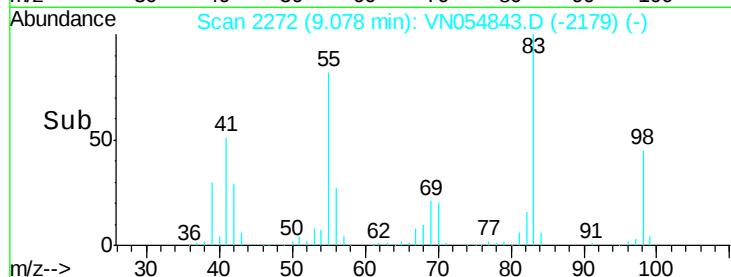
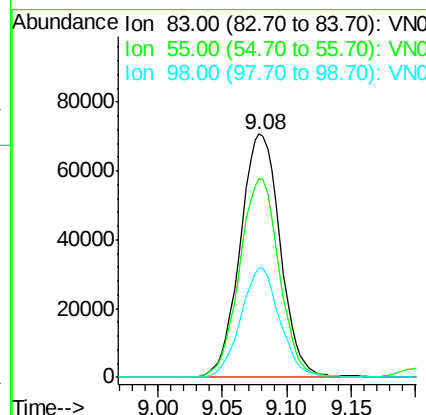
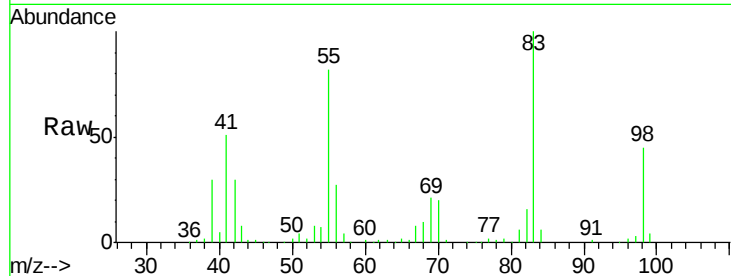
#39
Methylcyclohexane
Concen: 21.785 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VN0331WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.5	56.6	84.8
98	44.8	38.4	57.6

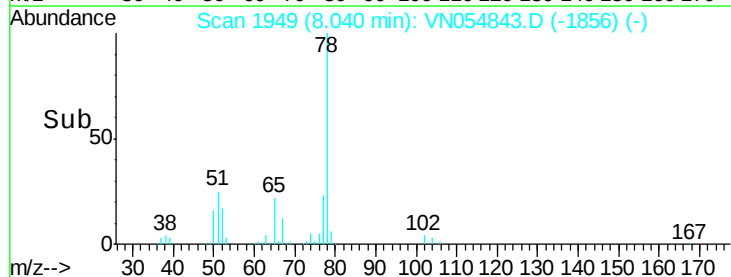
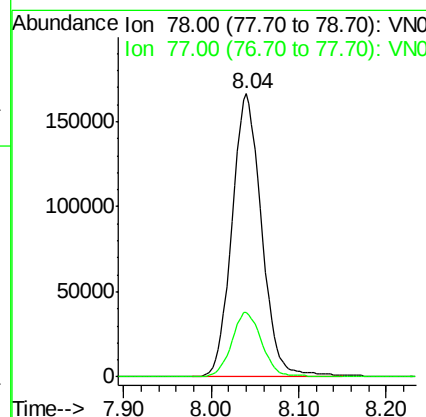
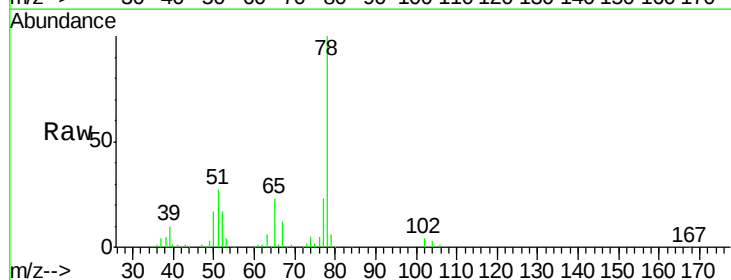
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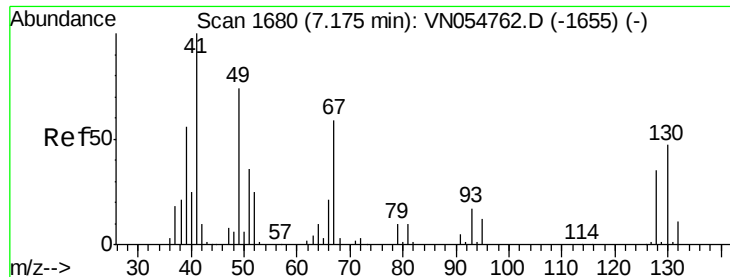
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4/1/2019 12:49:52 PM



#40
Benzene
Concen: 21.446 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7





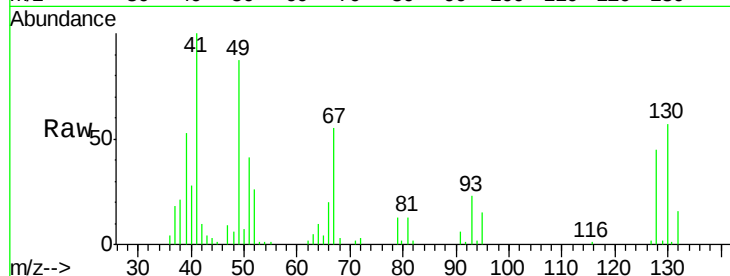
#41
Methacrylonitrile
Concen: 21.404 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VN0331WBS01

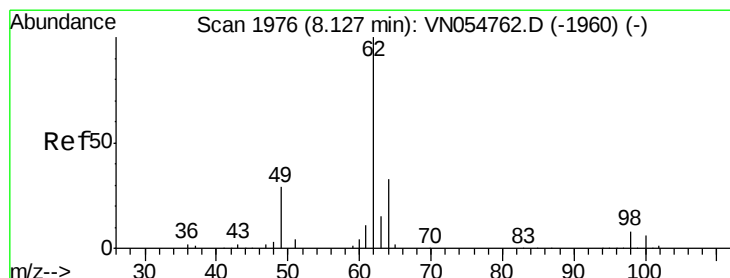
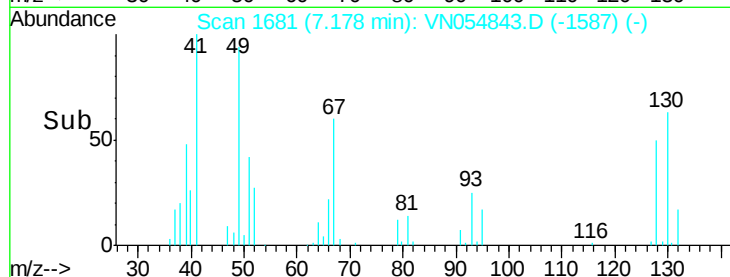
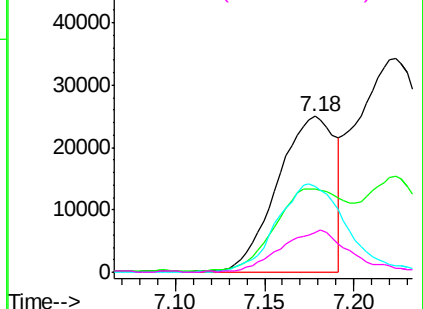
Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.6	46.8	70.2
67	68.0	67.0	100.4
52	32.7	26.5	39.7

Manual Integrations
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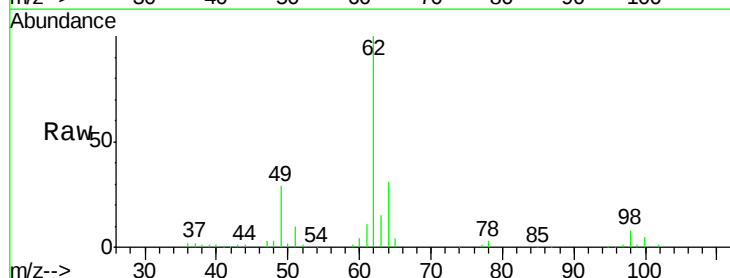


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

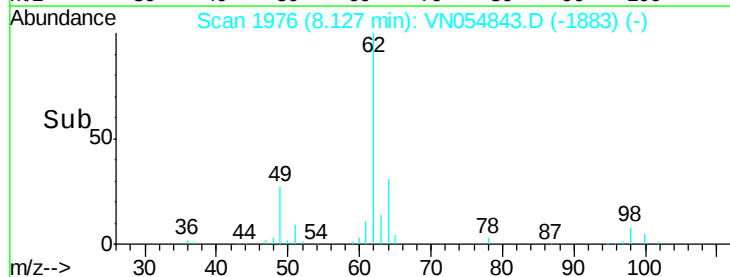
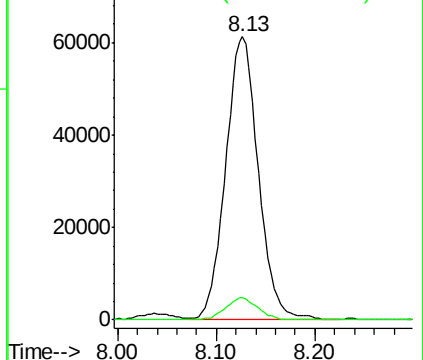


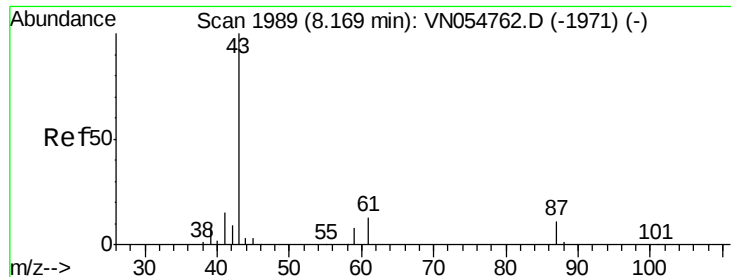
#42
1,2-Dichloroethane
Concen: 21.741 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





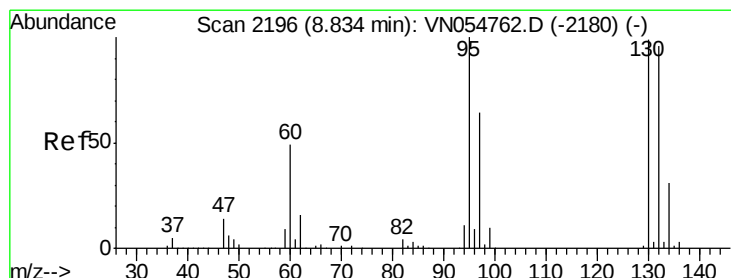
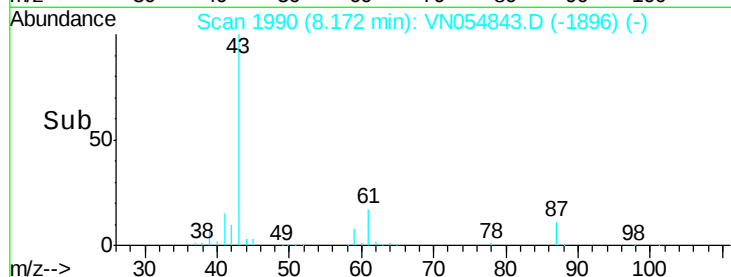
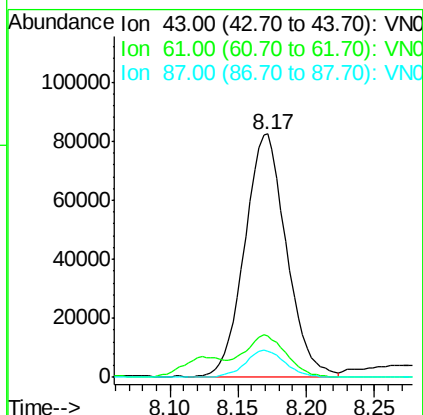
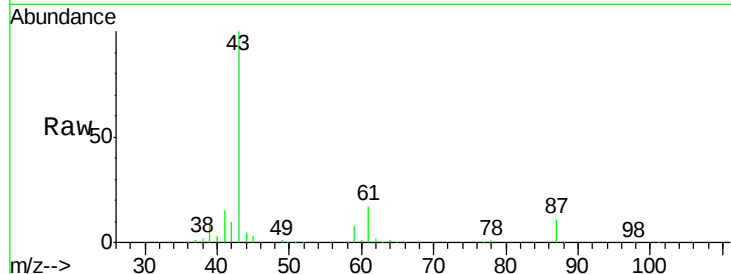
#43
Isopropyl Acetate
Concen: 22.890 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VN0331WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.7	15.8	23.8
87	10.9	12.0	18.0

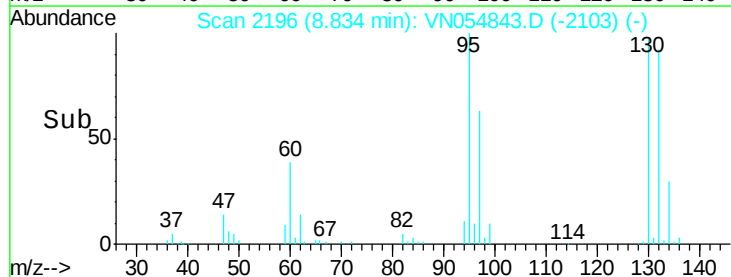
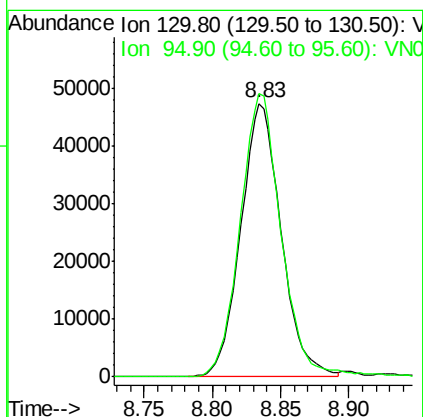
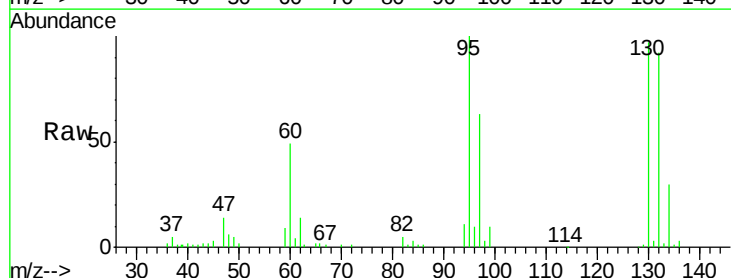
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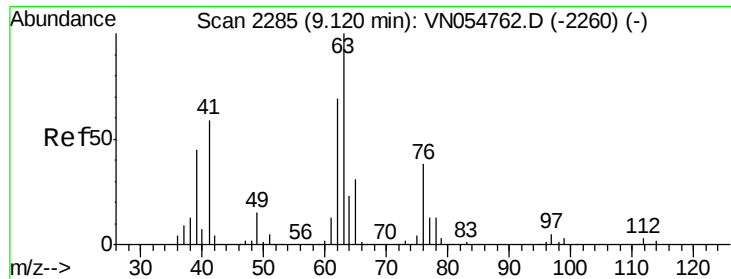
MMDadoda
4/1/2019 12:49:52 PM



#44
Trichloroethene
Concen: 20.509 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	185.2





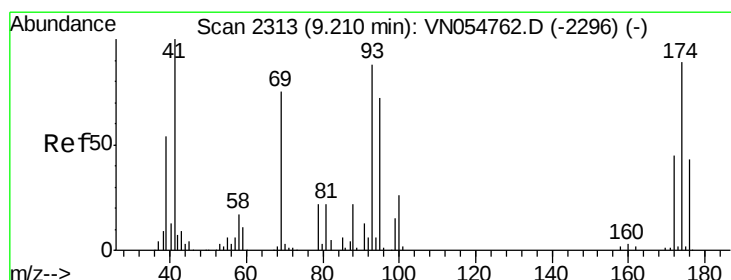
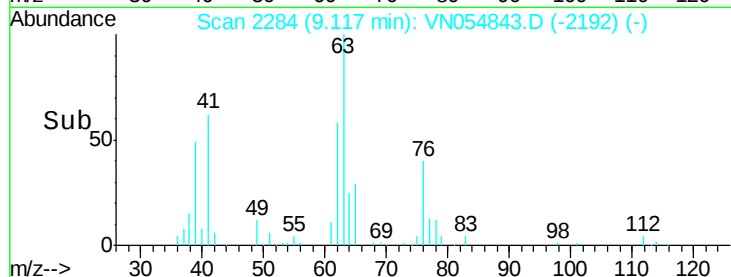
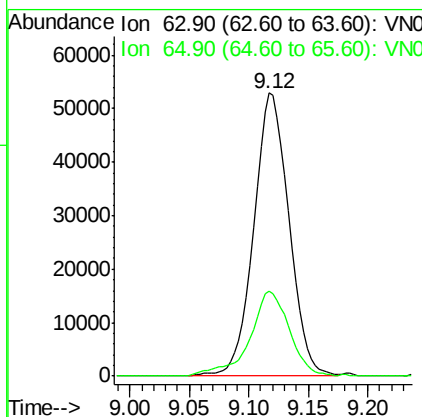
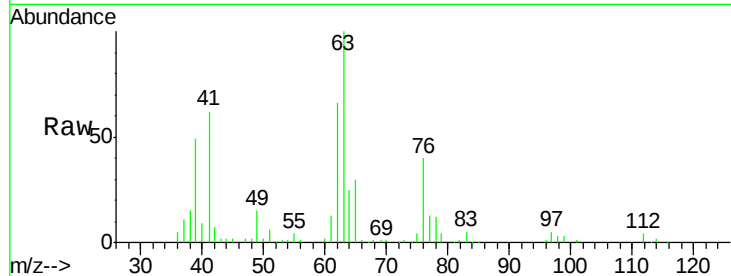
#45
 1,2-Dichloropropane
 Concen: 20.852 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Tgt Ion: 63 Resp: 108695
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.0 37.6

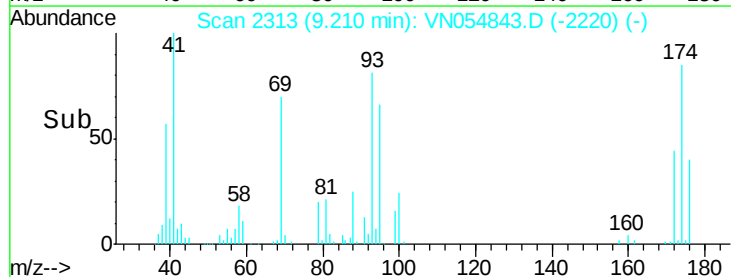
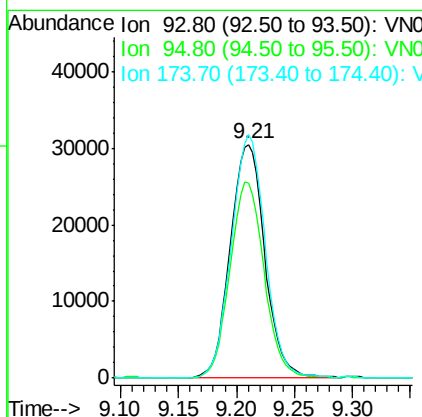
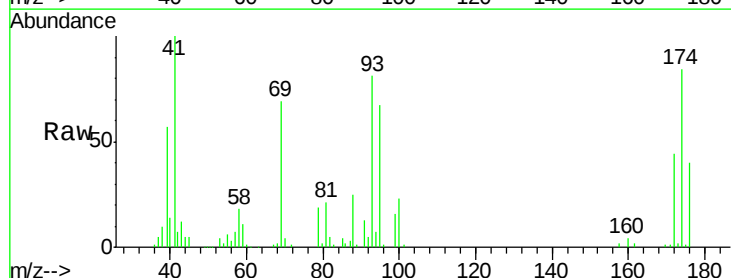
Manual Integrations
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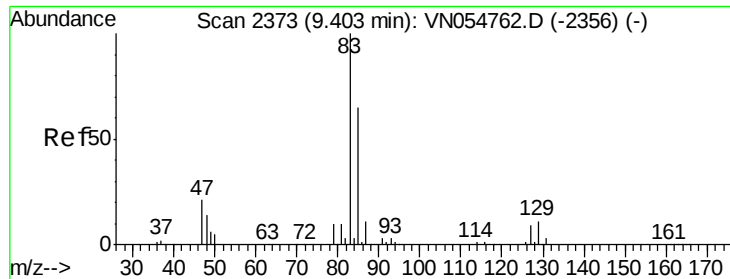
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 4/1/2019 12:49:52 PM



#46
 Dibromomethane
 Concen: 21.508 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion: 93 Resp: 63070
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.7 100.1
 174 102.2 98.5 147.7





#47

Bromodichloromethane

Concen: 21.372 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

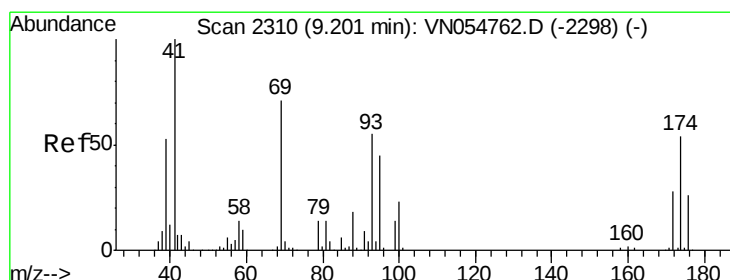
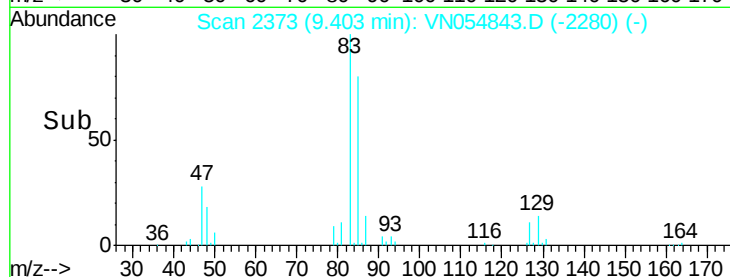
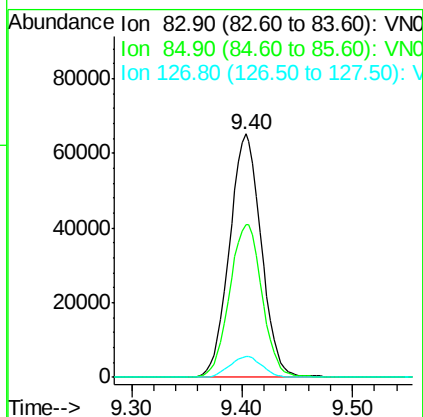
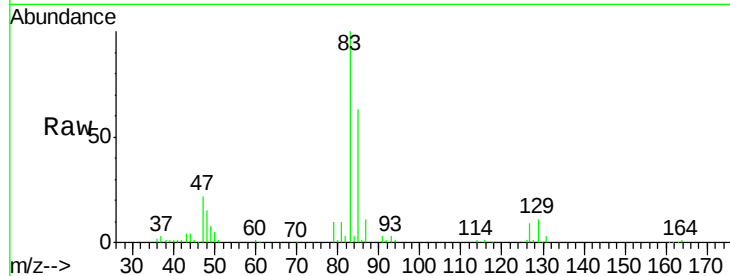
ClientSampleId :

VN0331WBS01

Tgt Ion:	83	Resp:	130247
Ion Ratio	Lower	Upper	
83	100		
85	62.6	52.8	79.2
127	8.7	7.4	11.2

Manual Integrations
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4/1/2019 12:49:52 PM



#48

Methyl methacrylate

Concen: 21.183 ug/l

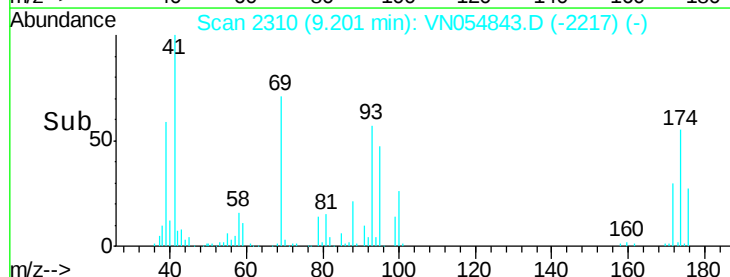
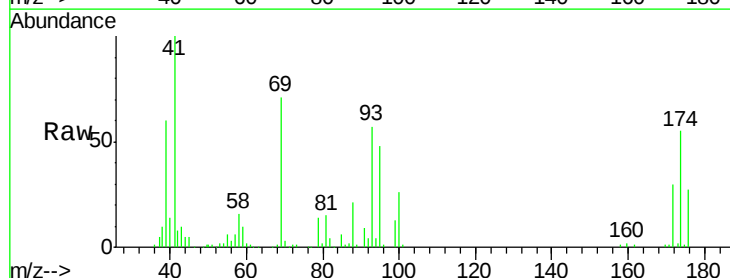
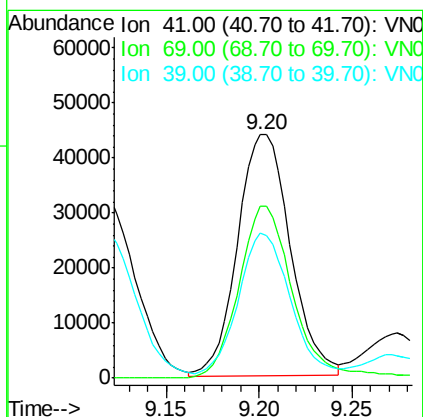
RT: 9.20 min Scan# 2310

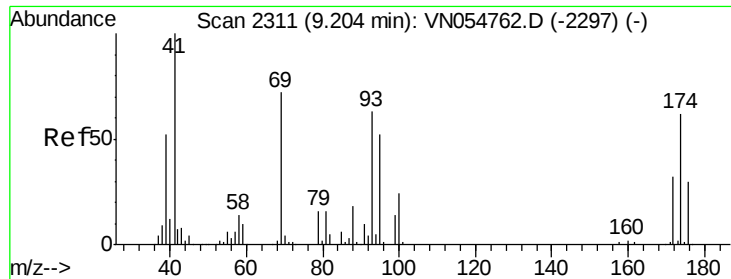
Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion:	41	Resp:	87418
Ion Ratio	Lower	Upper	
41	100		
69	72.8	72.6	108.8
39	57.3	47.5	71.3





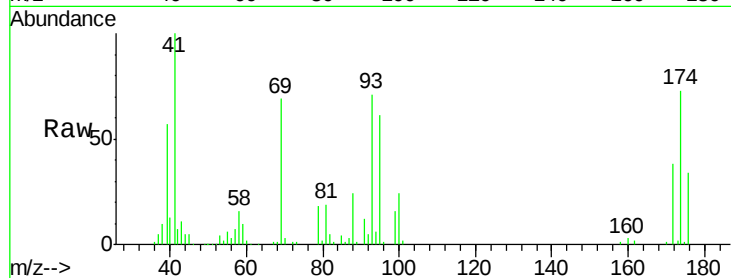
#49
1,4-Dioxane
Concen: 491.836 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VN0331WBS01

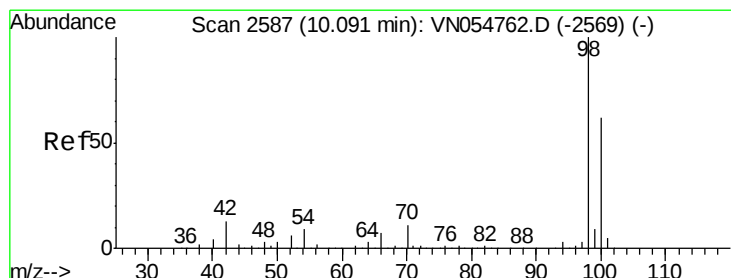
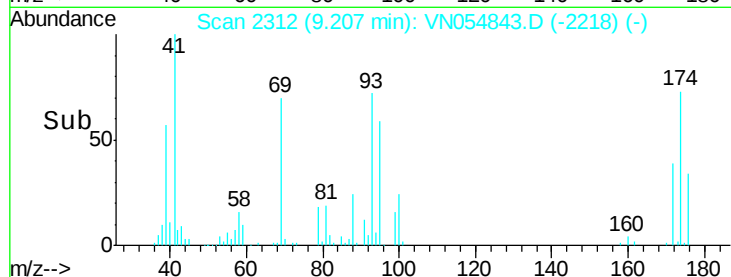
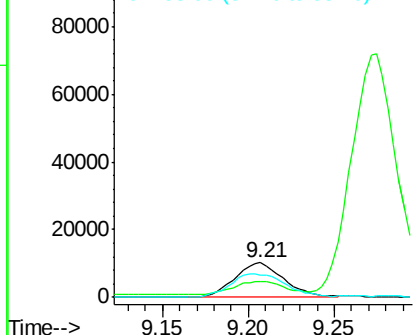
Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.8	24.1	36.1
58	77.3	50.8	76.2

Manual Integrations
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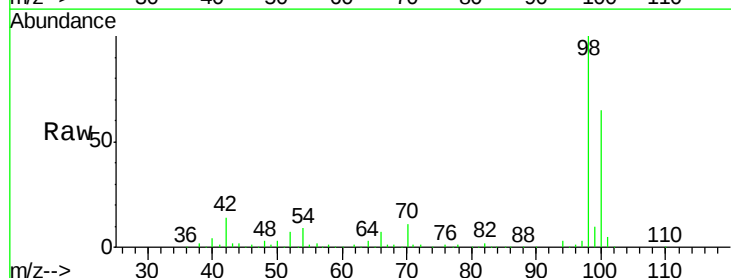


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

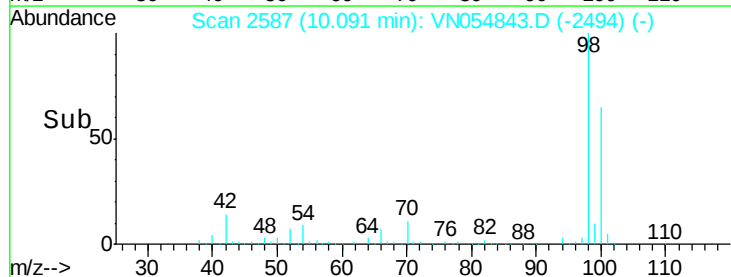
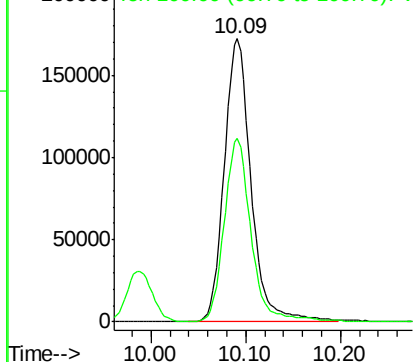


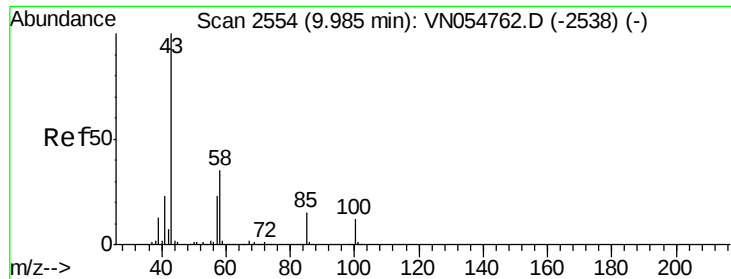
#50
Toluene-d8
Concen: 20.000 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 117.387 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VN0331WBS01

Tgt Ion: 43 Resp: 502432

Ion Ratio Lower Upper

43 100

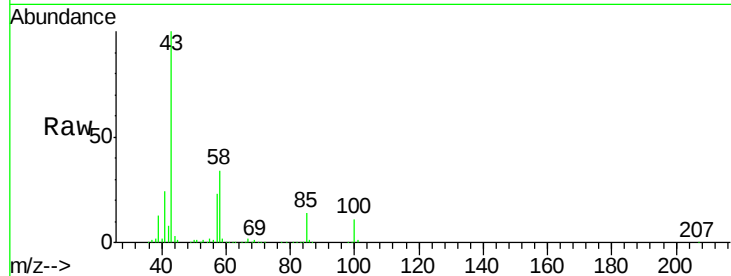
58 34.5 31.8 47.6

Manual Integrations

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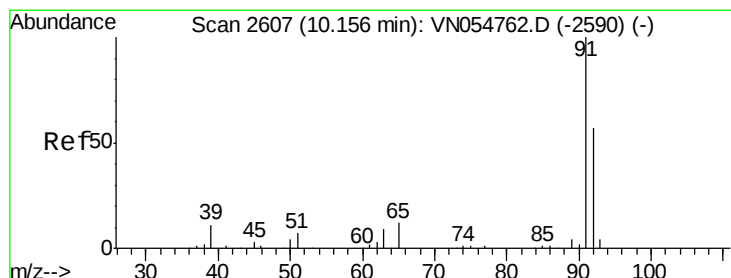
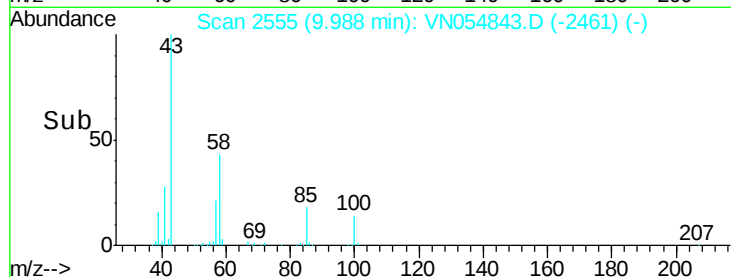
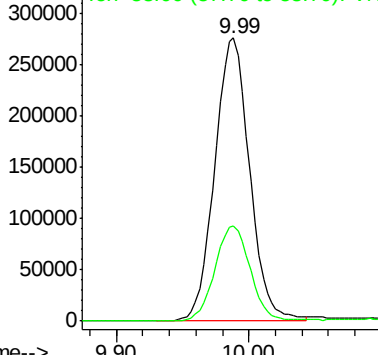
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.416 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054843.D

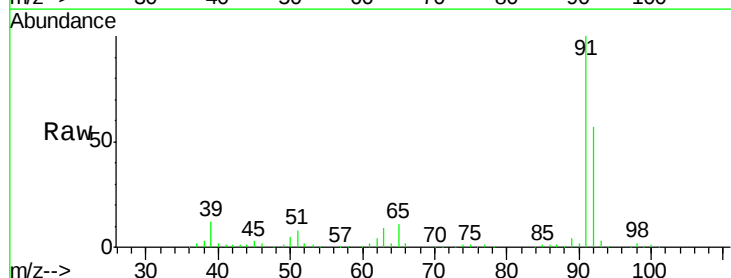
Acq: 31 Mar 2019 11:59

Tgt Ion: 92 Resp: 232971

Ion Ratio Lower Upper

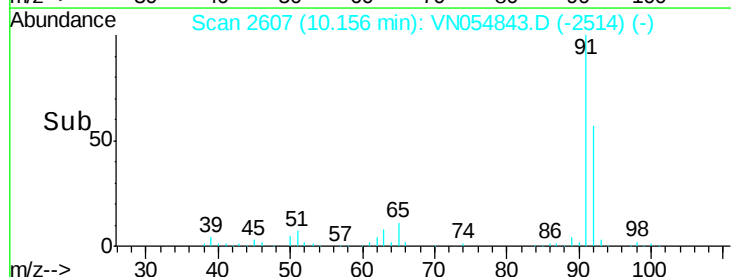
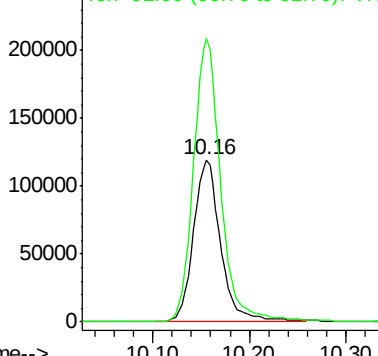
92 100

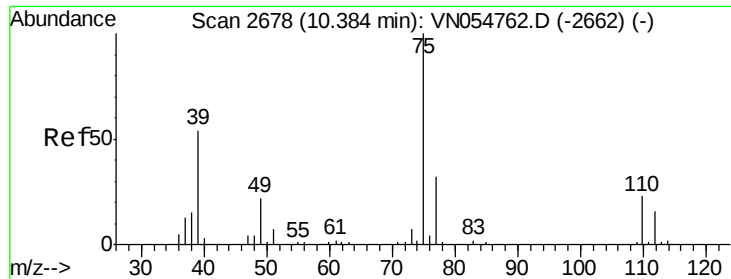
91 174.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





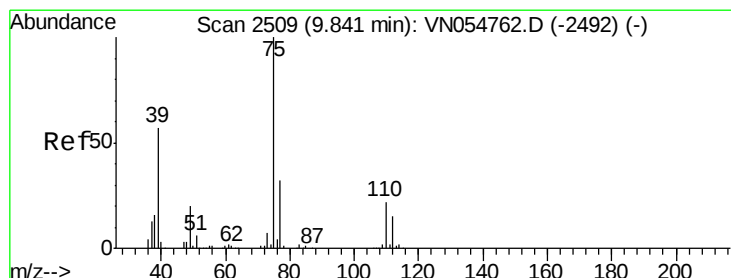
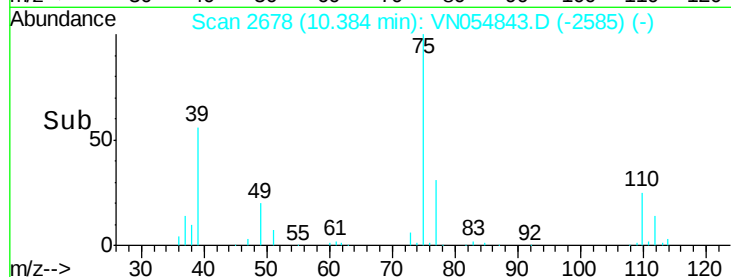
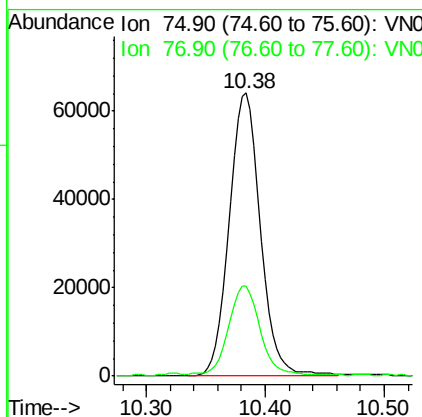
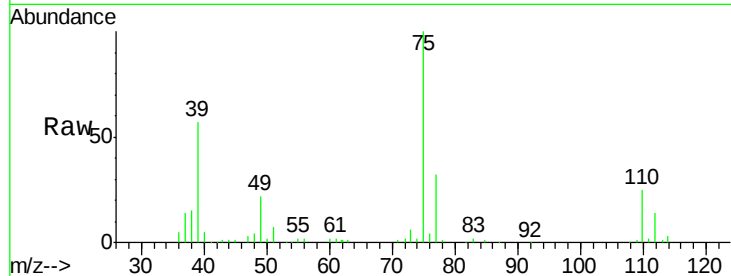
#53
t-1,3-Dichloropropene
Concen: 20.352 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VN0331WBS01

Tgt Ion: 75 Resp: 116673
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.8

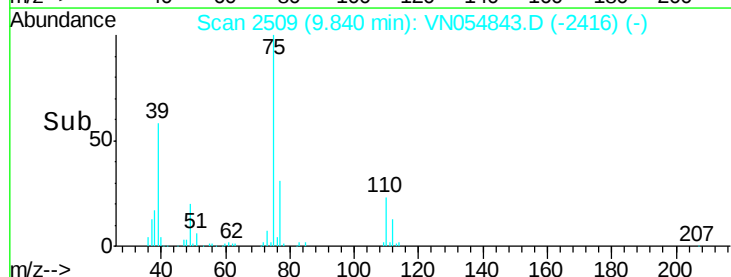
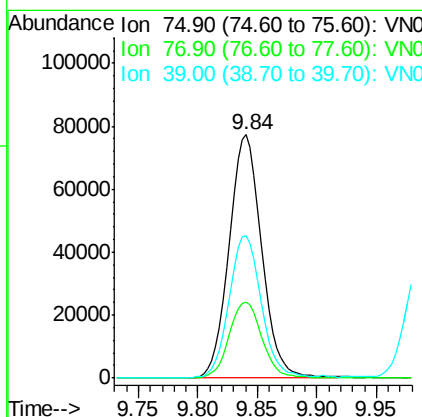
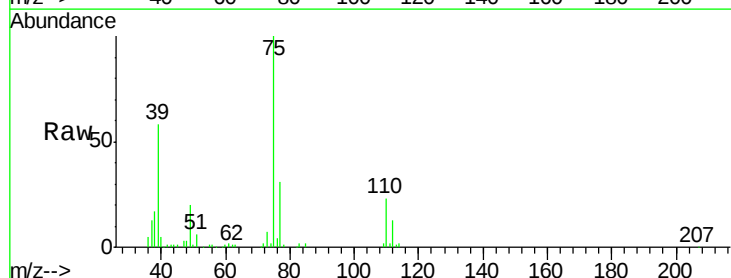
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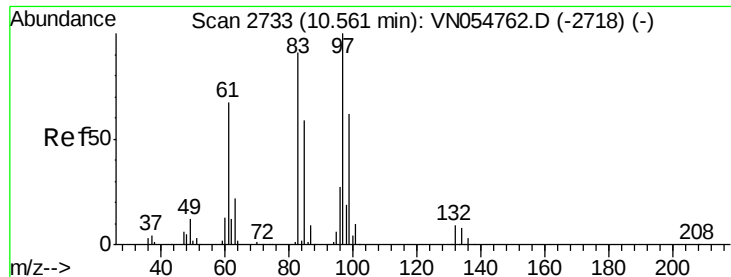
MMDadoda
4/1/2019 12:49:52 PM



#54
cis-1,3-Dichloropropene
Concen: 21.469 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 75 Resp: 147020
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0
39 58.1 37.2 55.8#





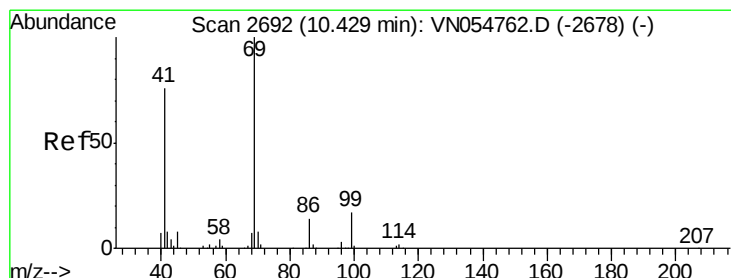
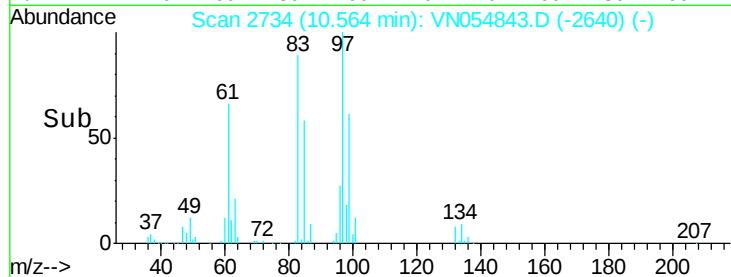
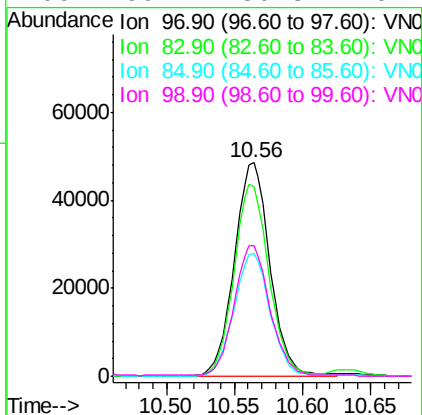
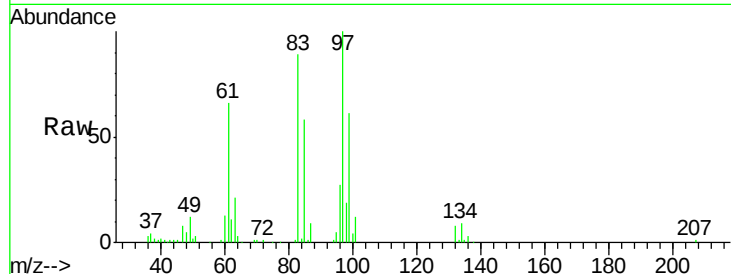
#55
 1,1,2-Trichloroethane
 Concen: 21.782 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.6	100.0
85	57.7	44.4	66.6
99	60.7	50.8	76.2

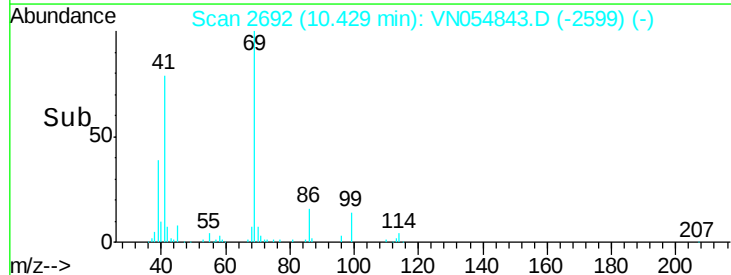
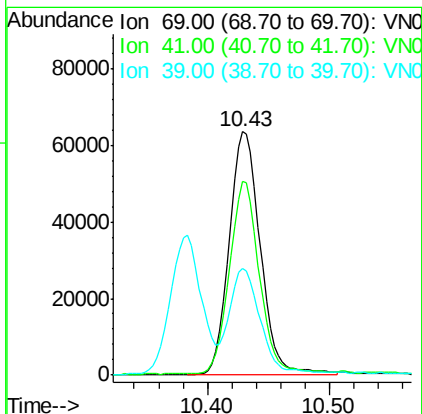
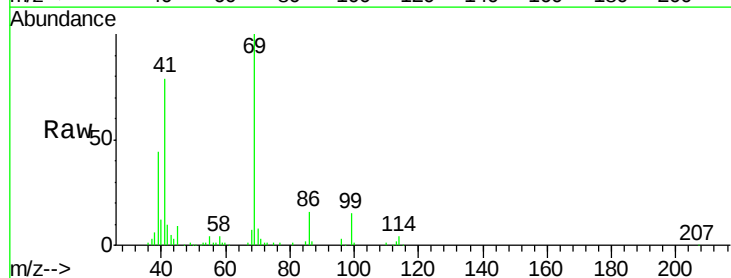
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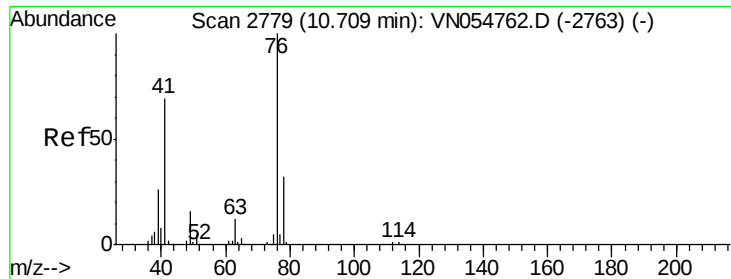
MMDadoda
 4/1/2019 12:49:52 PM



#56
 Ethyl methacrylate
 Concen: 21.454 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.8	49.4	74.2#
39	43.1	28.3	42.5#





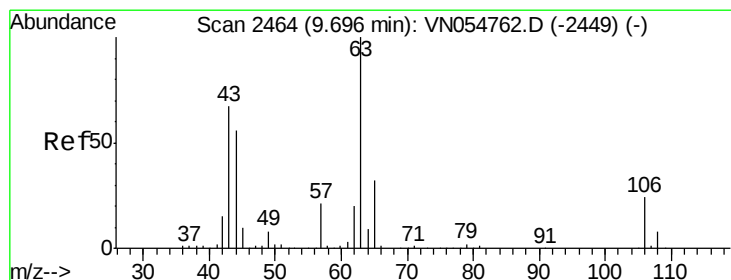
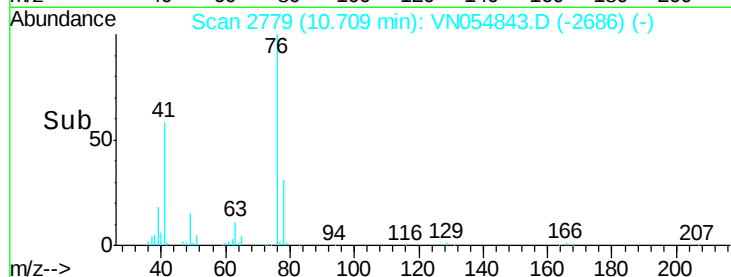
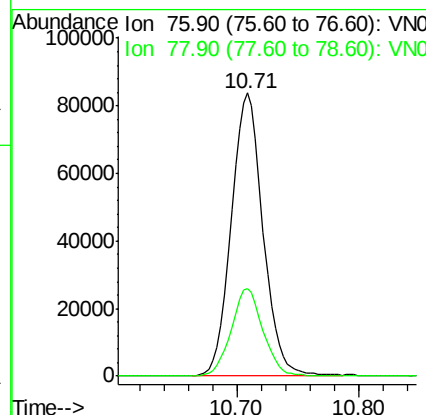
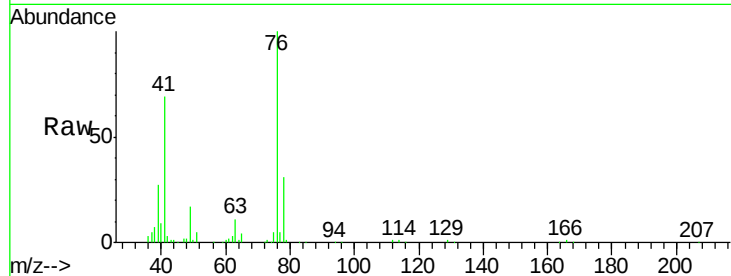
#57
 1,3-Dichloropropane
 Concen: 21.881 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Tgt Ion: 76 Resp: 152162
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.7 38.5

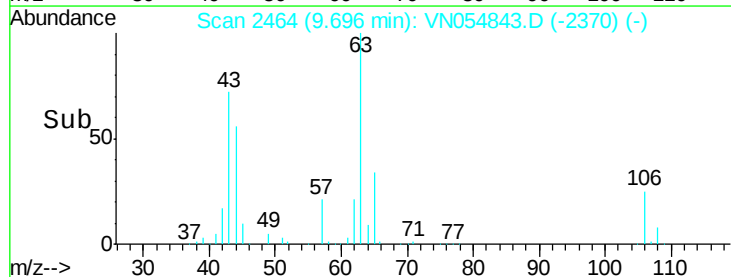
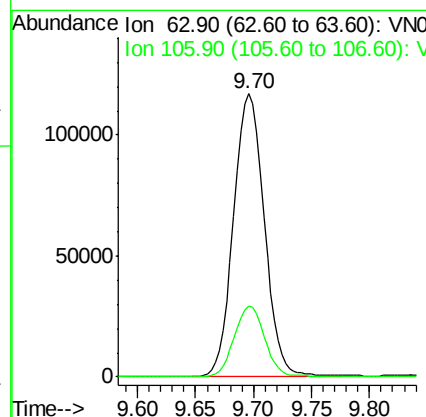
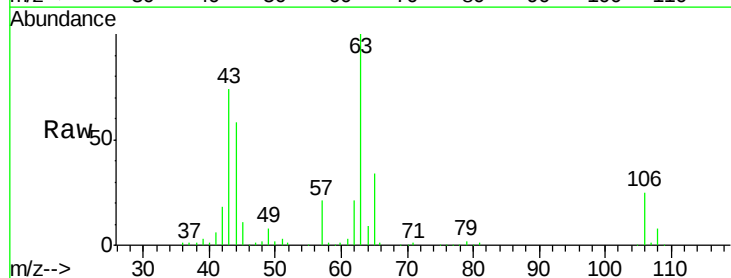
Manual Integrations
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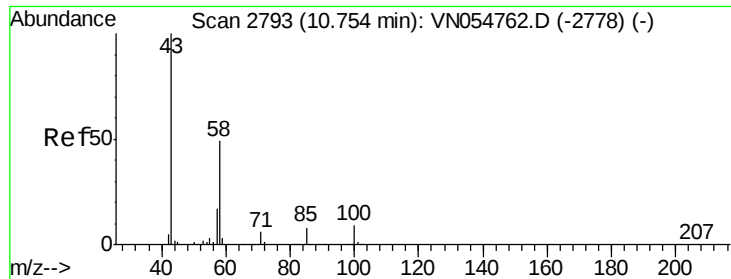
MMDadoda
 4/1/2019 12:49:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.276 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion: 63 Resp: 216794
 Ion Ratio Lower Upper
 63 100
 106 24.5 24.4 36.6





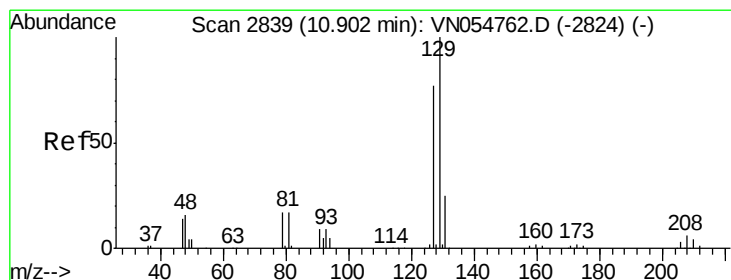
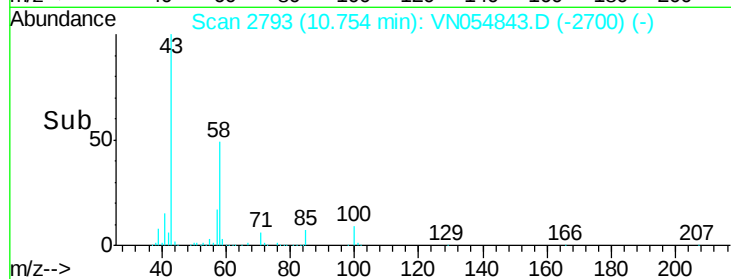
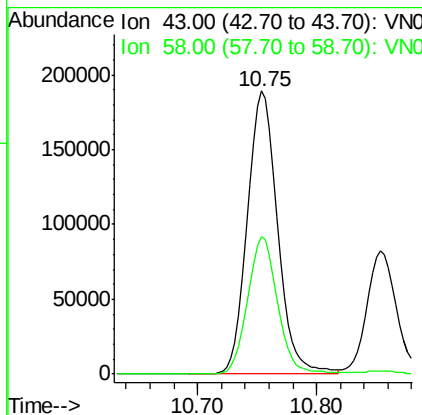
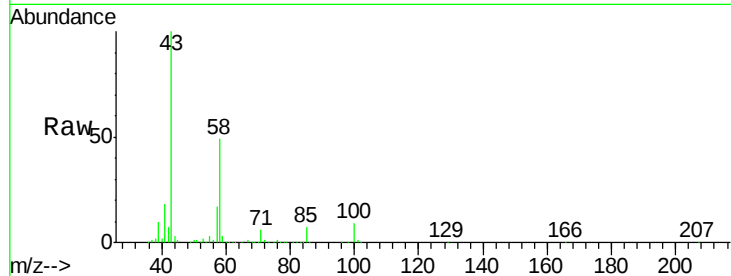
#59
2-Hexanone
Concen: 121.240 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VN0331WBS01

Tgt Ion: 43 Resp: 332196
Ion Ratio Lower Upper
43 100
58 48.2 28.0 83.9

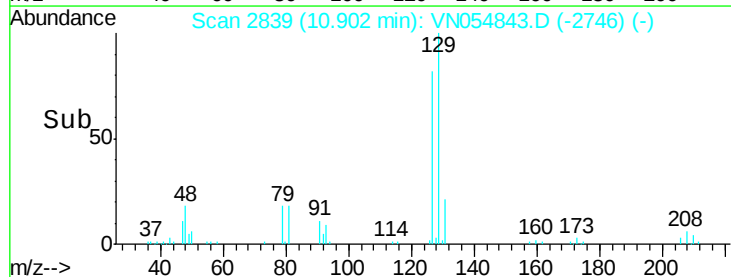
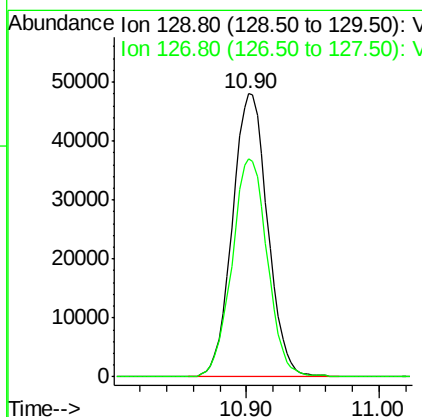
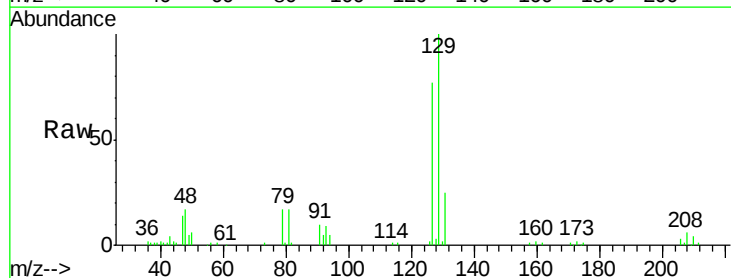
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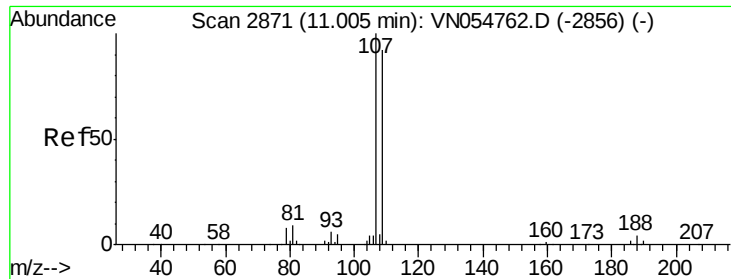
MMDadoda
4/1/2019 12:49:52 PM



#60
Dibromochloromethane
Concen: 21.619 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 129 Resp: 88581
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.591 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VN0331WBS01

Tgt Ion: 107 Resp: 83460

Ion Ratio Lower Upper

107 100

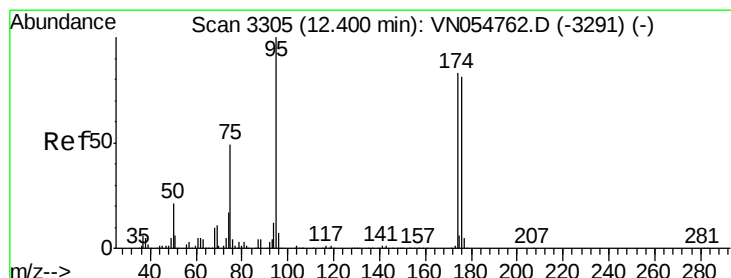
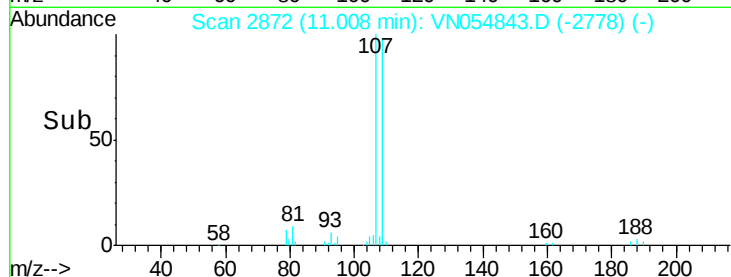
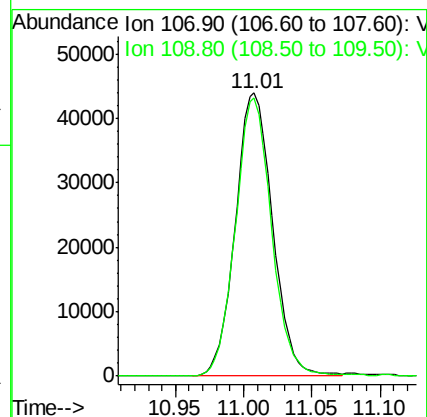
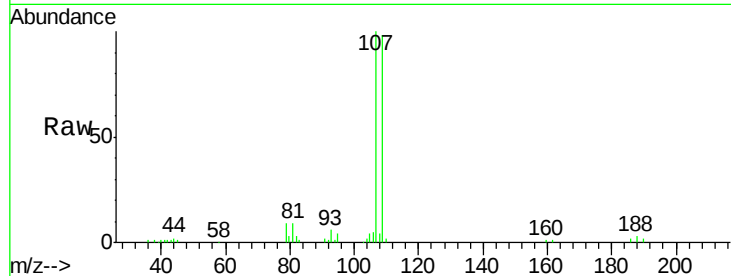
109 95.0 75.9 113.9

Manual Integrations

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4/1/2019 12:49:52 PM



#62

4-Bromofluorobenzene

Concen: 20.061 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

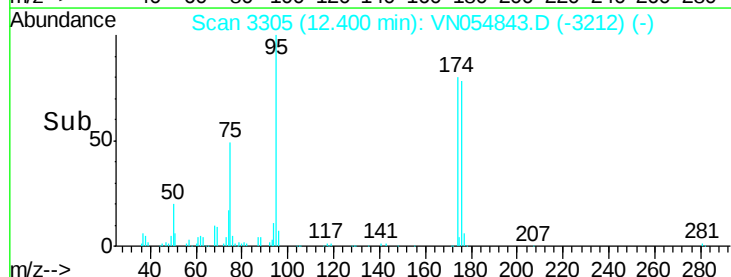
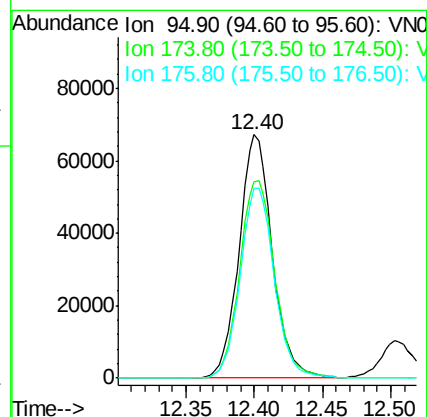
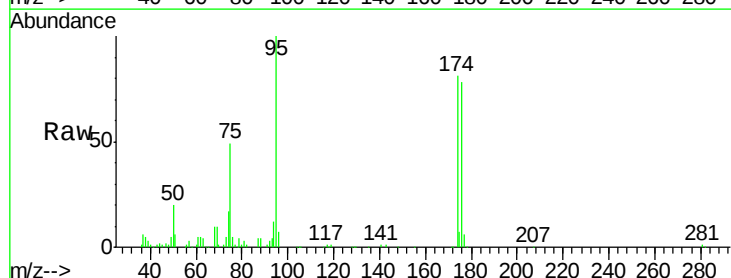
Tgt Ion: 95 Resp: 113386

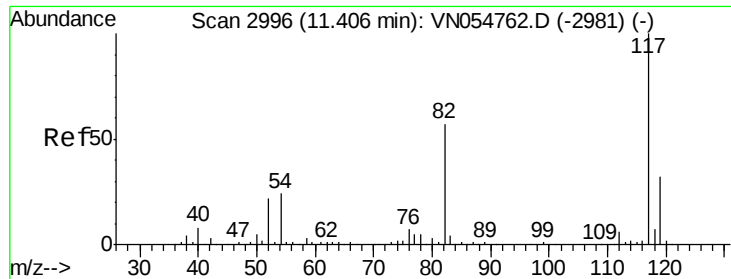
Ion Ratio Lower Upper

95 100

174 86.1 0.0 191.0

176 80.2 0.0 187.4





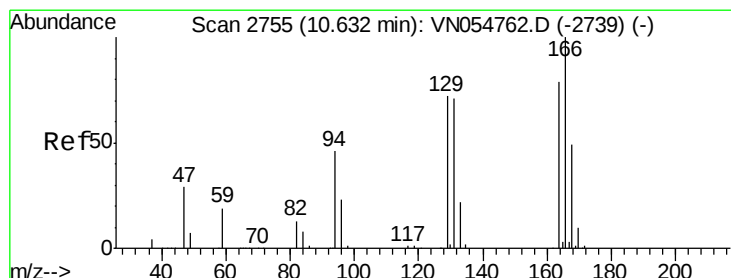
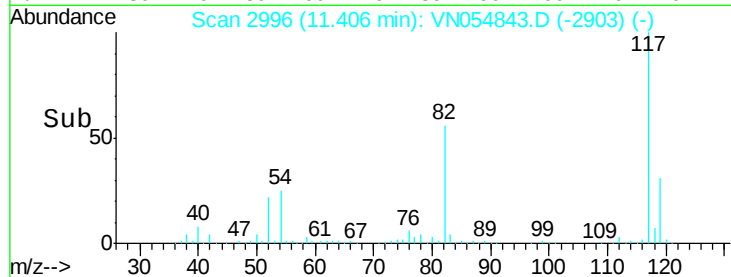
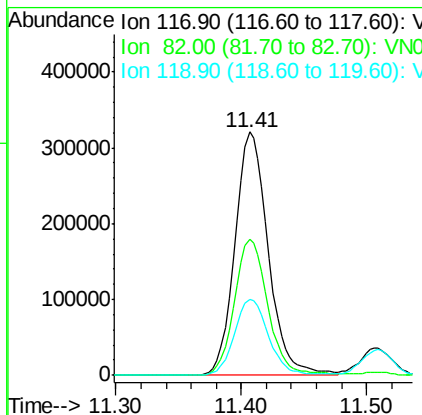
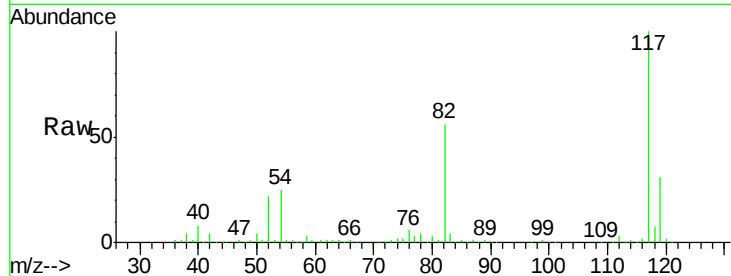
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VN0331WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	55.9	40.0	60.0
119	31.2	25.8	38.6

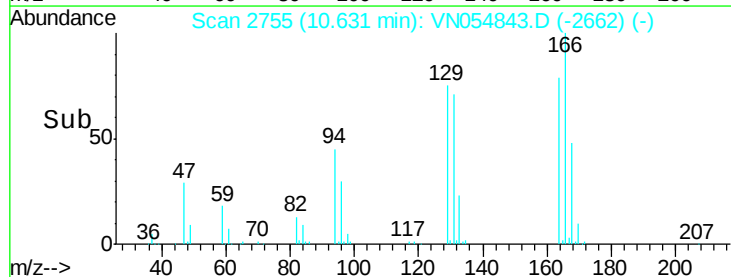
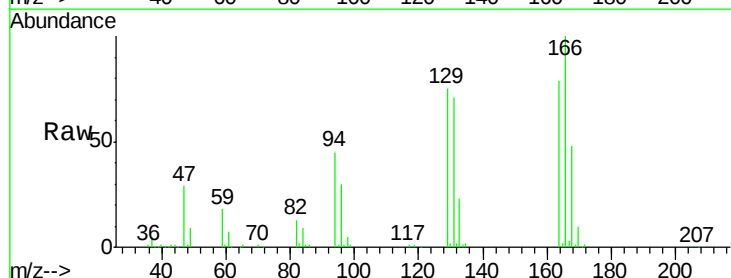
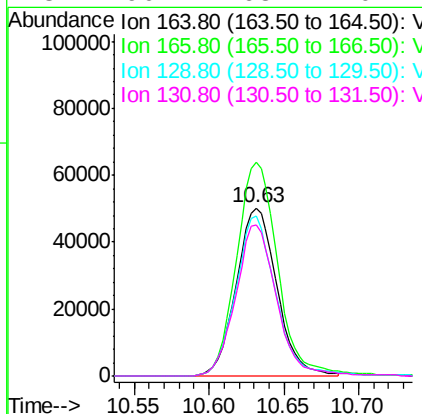
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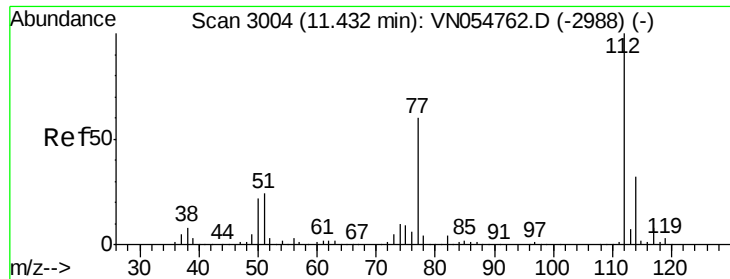
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#64
Tetrachloroethene
Concen: 20.868 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	127.0	103.9	155.9
129	94.8	71.1	106.7
131	90.2	68.2	102.4





#65

Chlorobenzene

Concen: 20.634 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VN0331WBS01

Tgt Ion:112 Resp: 239514

Ion Ratio Lower Upper

112 100

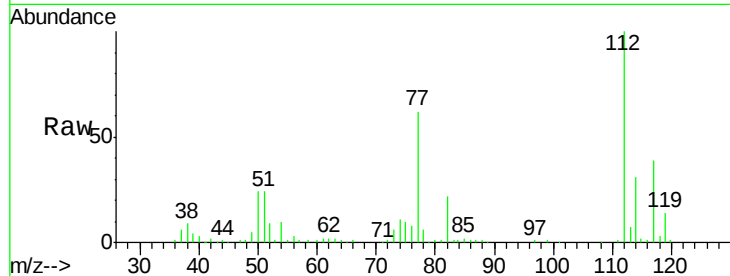
114 31.4 25.9 38.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

150000

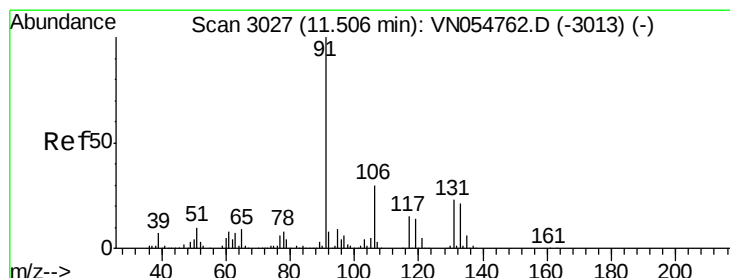
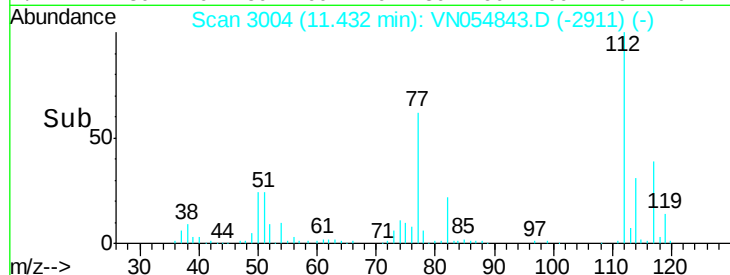
100000

50000

0

Time-->

11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 21.478 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

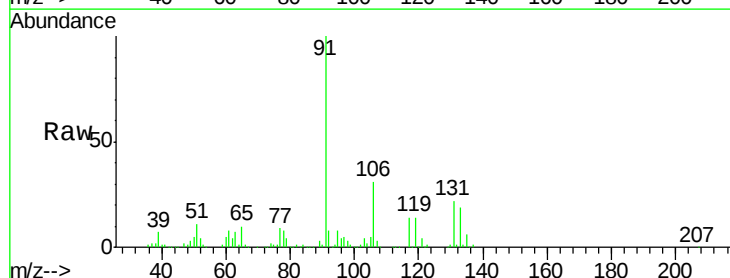
Tgt Ion:131 Resp: 93314

Ion Ratio Lower Upper

131 100

133 90.9 47.6 142.9

119 65.0 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

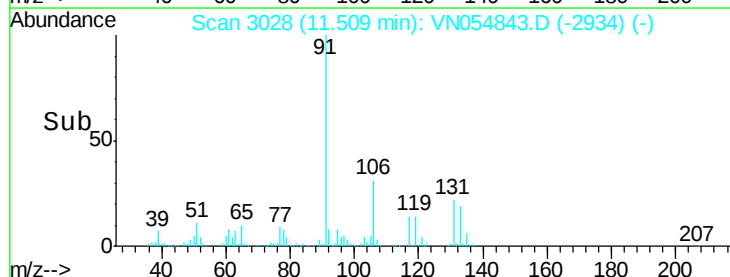
40000

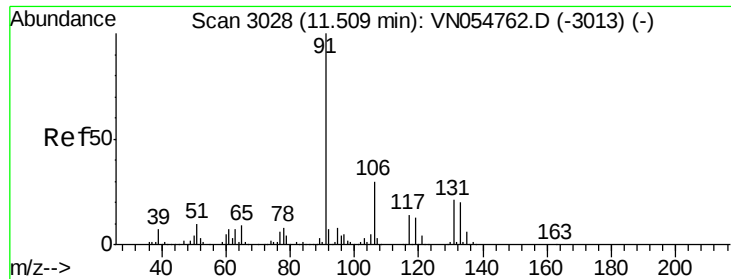
20000

0

Time-->

11.45 11.50 11.55





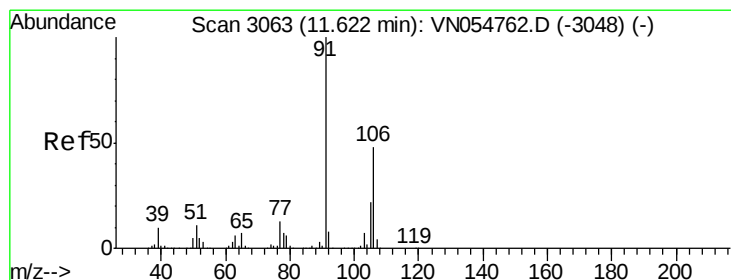
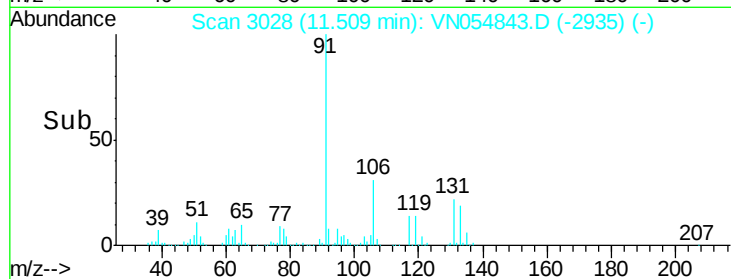
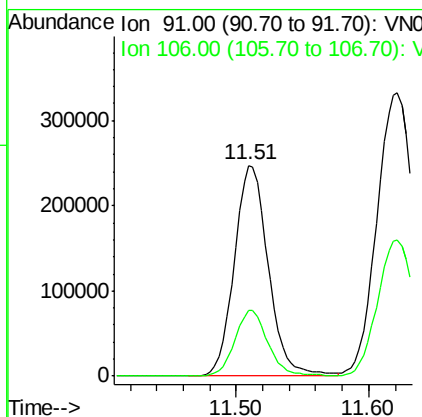
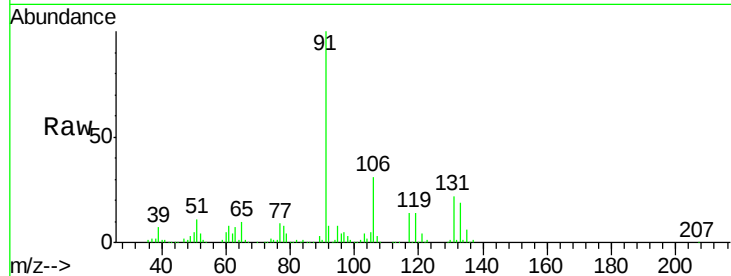
#67
Ethyl Benzene
Concen: 21.023 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VN0331WBS01

Tgt Ion: 91 Resp: 440346
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

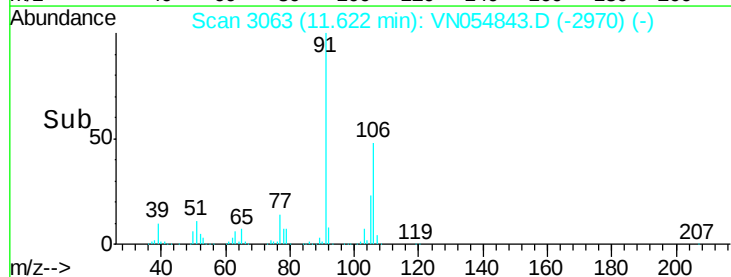
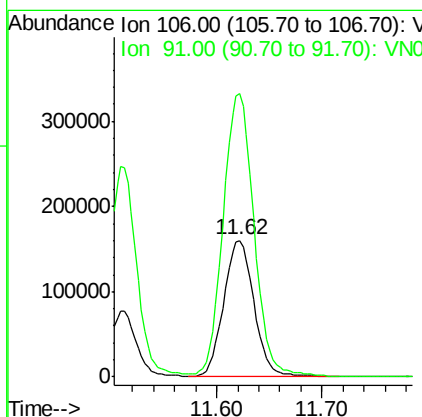
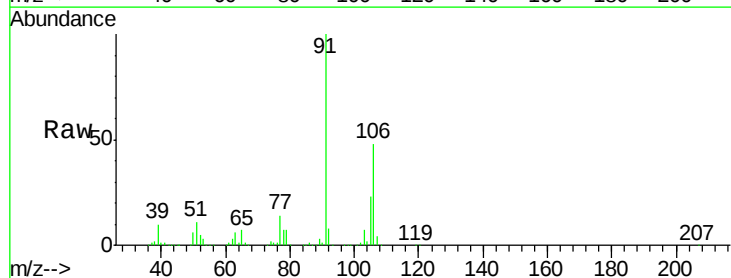
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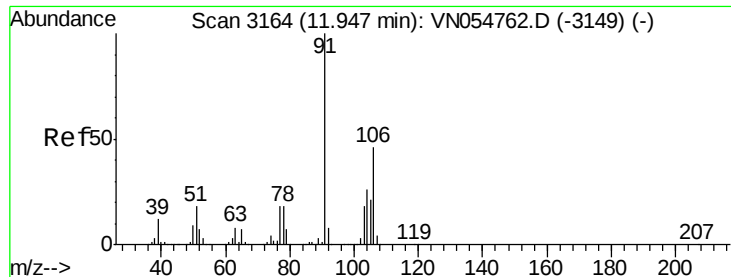
MMDadoda
4/1/2019 12:49:52 PM



#68
m/p-Xylenes
Concen: 41.222 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion: 106 Resp: 319527
Ion Ratio Lower Upper
106 100
91 211.4 159.4 239.2





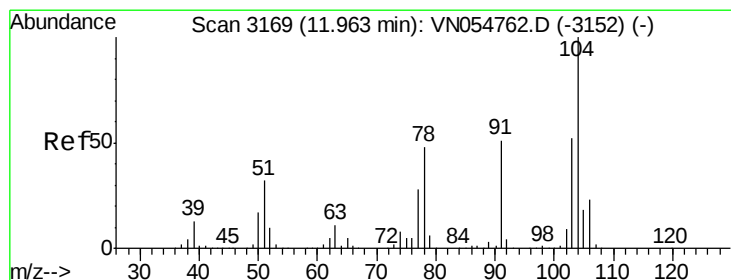
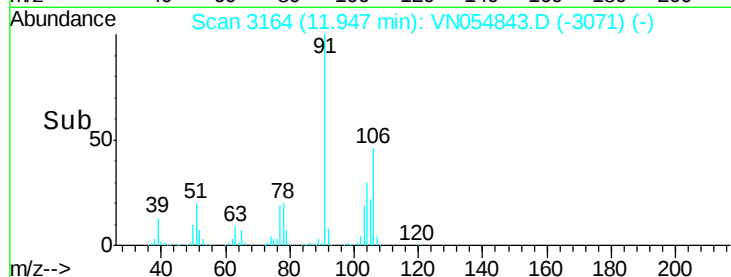
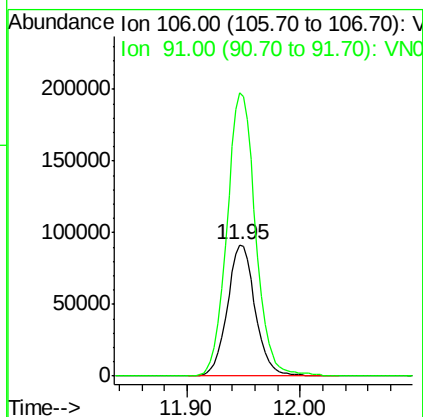
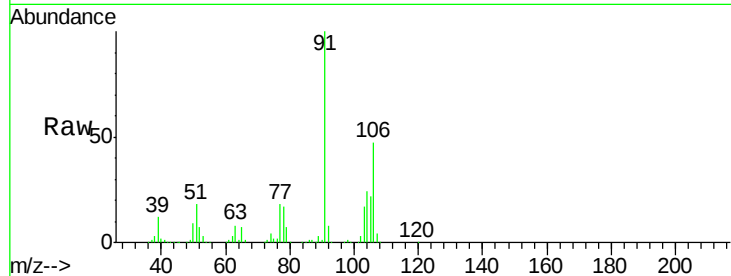
#69
o-Xylene
Concen: 20.613 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VN0331WBS01

Tgt Ion:106 Resp: 156681
Ion Ratio Lower Upper
106 100
91 220.9 105.7 317.1

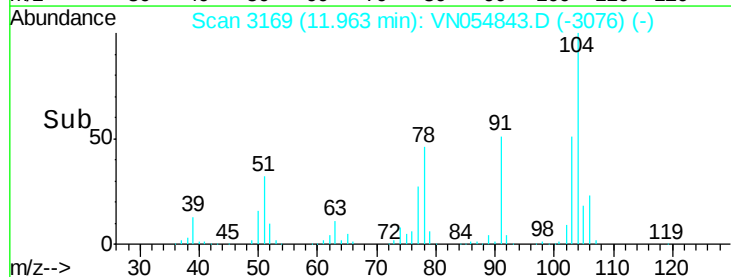
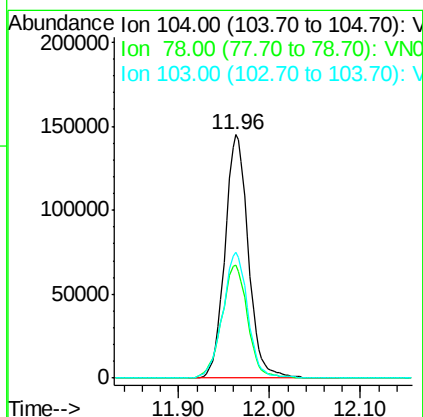
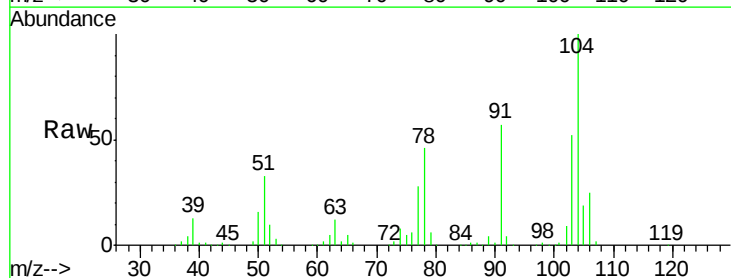
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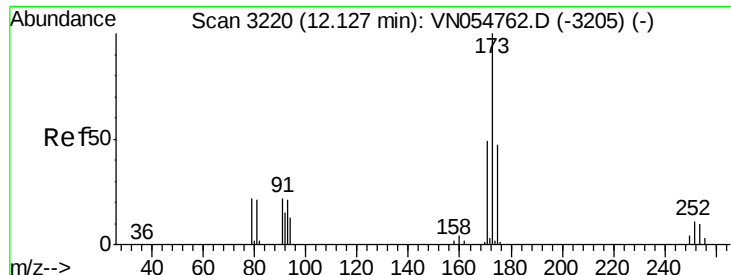
MMDadoda
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#70
Styrene
Concen: 21.321 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion:104 Resp: 259119
Ion Ratio Lower Upper
104 100
78 51.3 38.2 57.2
103 55.4 44.4 66.6





#71

Bromoform

Concen: 20.480 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

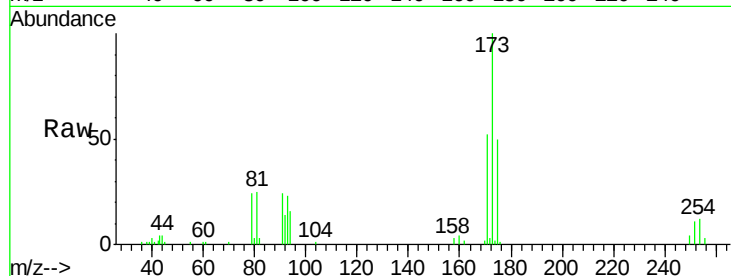
ClientSampleId :

VN0331WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.4	73.2
254	0.0	0.1	0.1#

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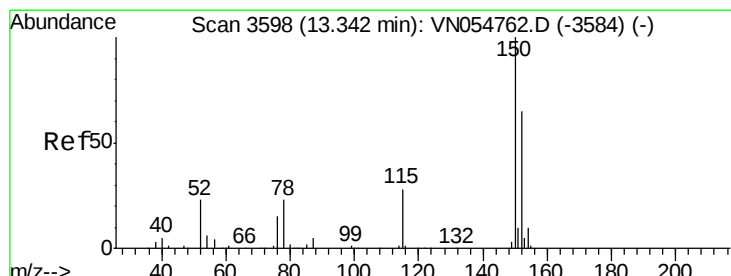
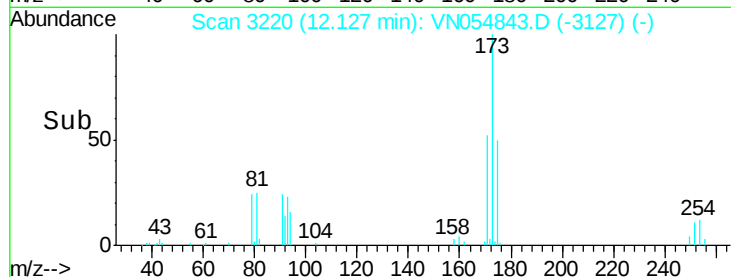
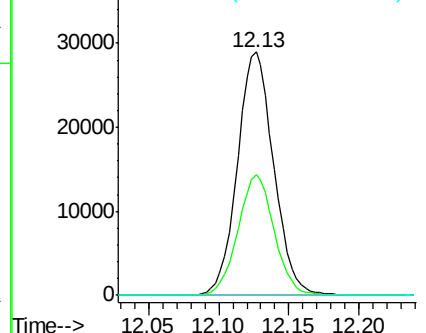


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

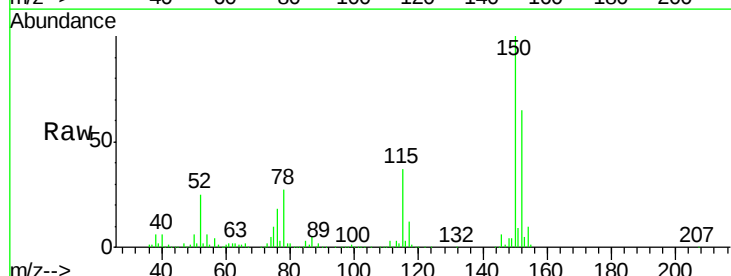
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	27.2	81.6
150	161.1	0.0	349.2

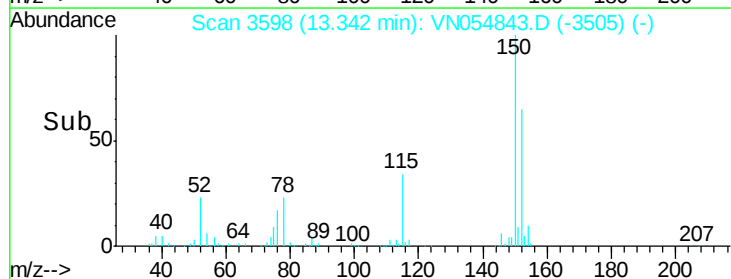
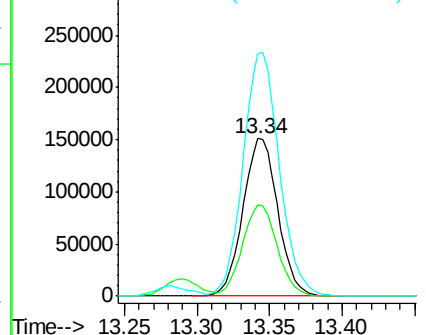


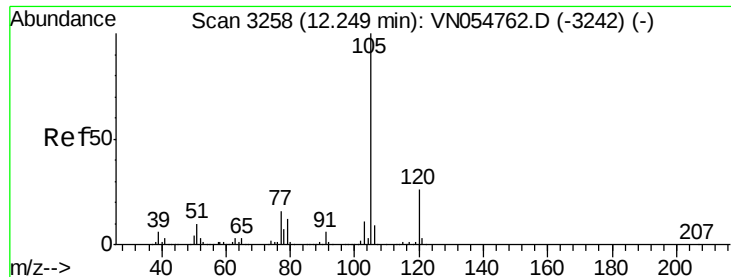
Abundance

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: 20.469 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VN0331WBS01

Tgt Ion: 105 Resp: 421871

Ion Ratio Lower Upper

105 100

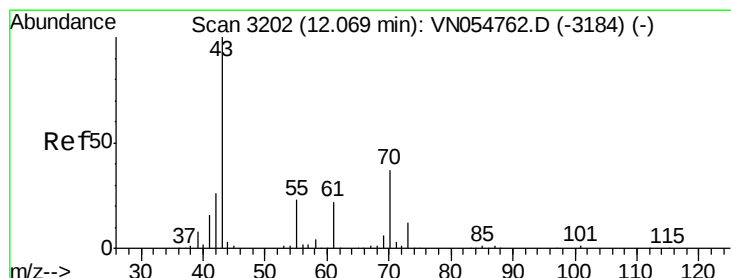
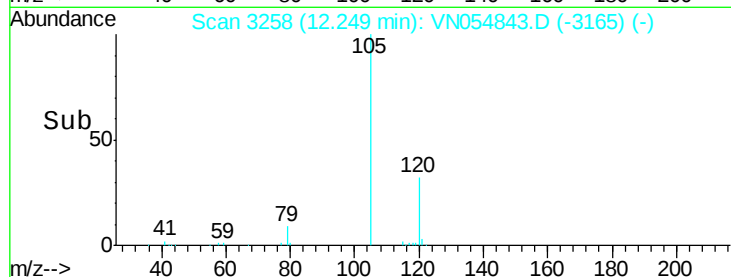
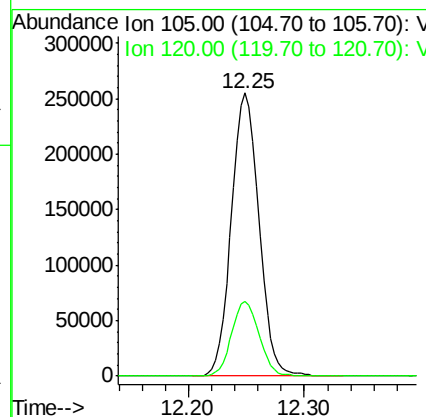
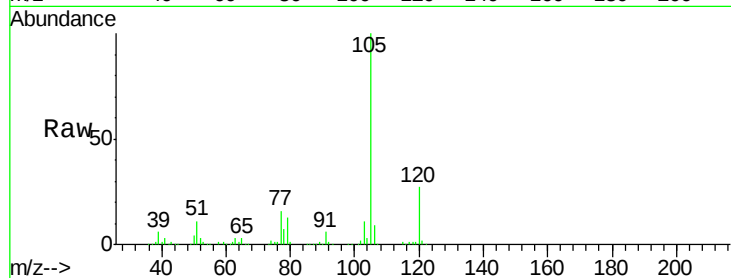
120 26.4 13.8 41.3

Manual Integrations

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4/1/2019 12:49:52 PM



#74

N-ethyl acetate

Concen: 20.733 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion: 43 Resp: 133124

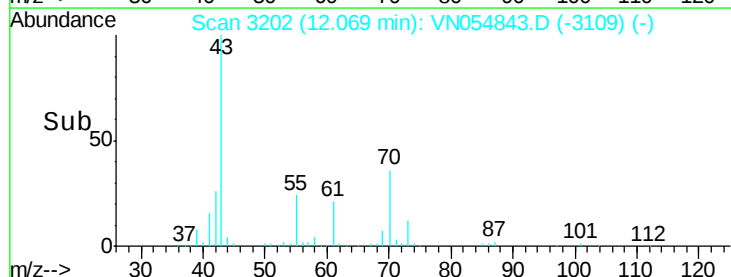
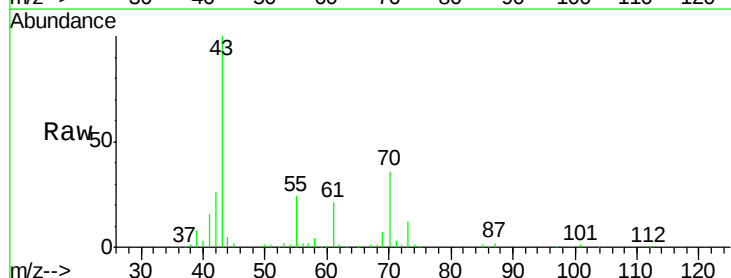
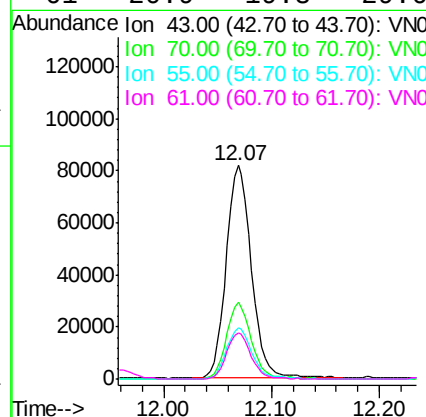
Ion Ratio Lower Upper

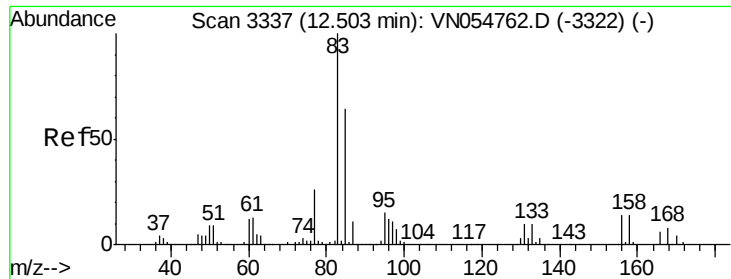
43 100

70 35.2 35.4 53.0#

55 24.4 19.8 29.6

61 20.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.591 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

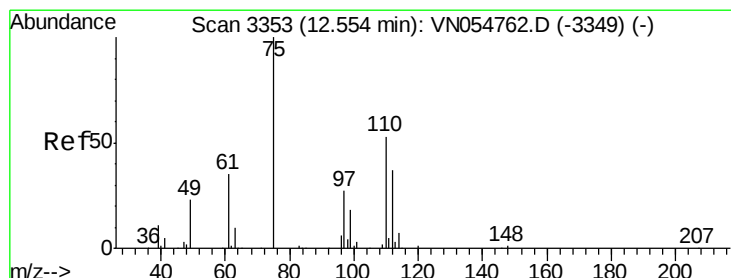
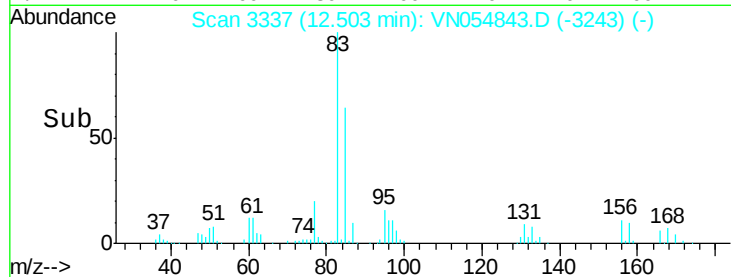
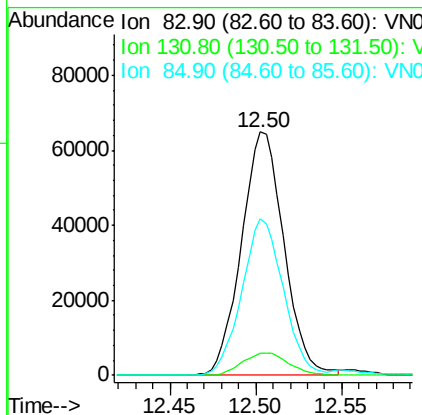
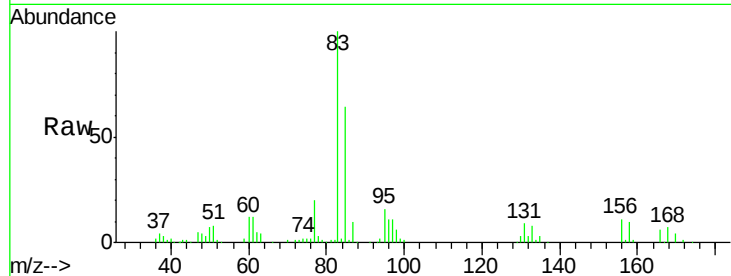
ClientSampleId :

VN0331WBS01

Tgt Ion:	83	Resp:	111290
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.8	17.4
85	62.7	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.278 ug/l m

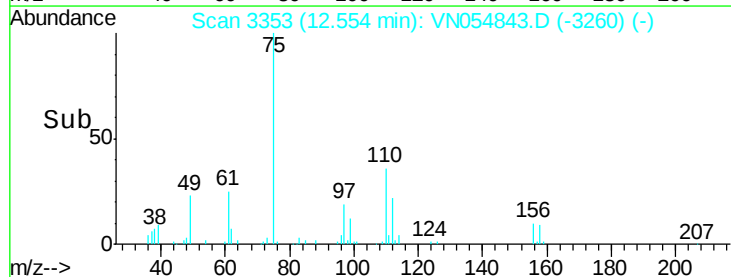
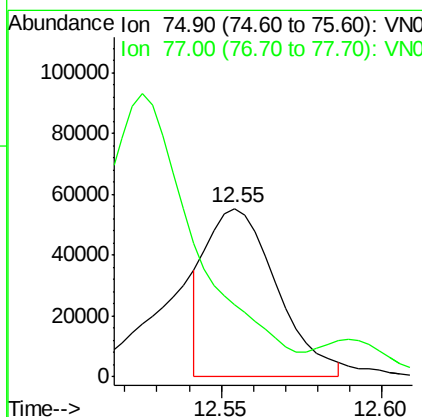
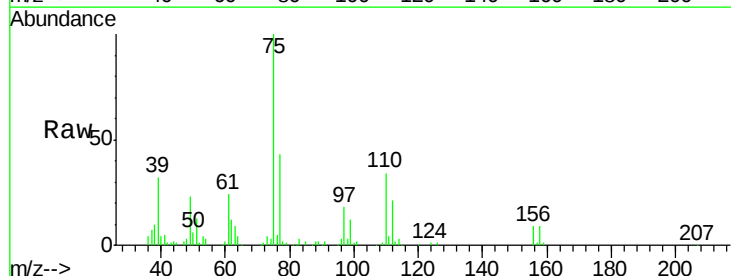
RT: 12.55 min Scan# 3353

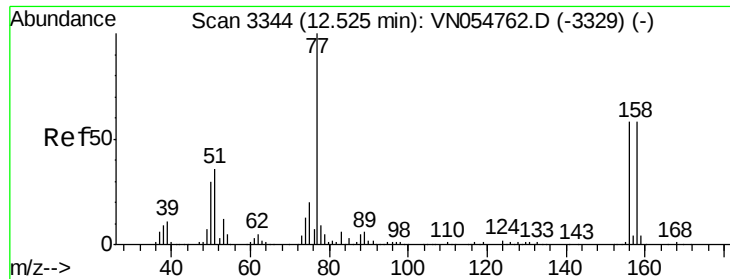
Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion:	75	Resp:	84446
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





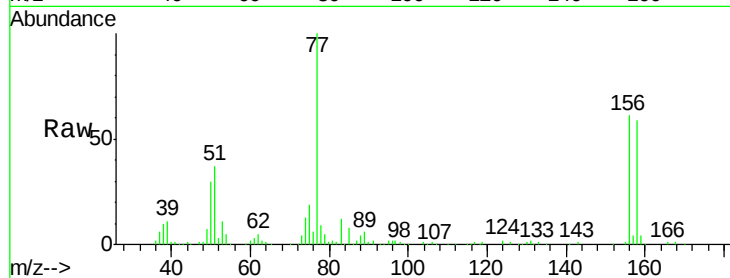
#77
Bromobenzene
Concen: 20.423 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VN0331WBS01

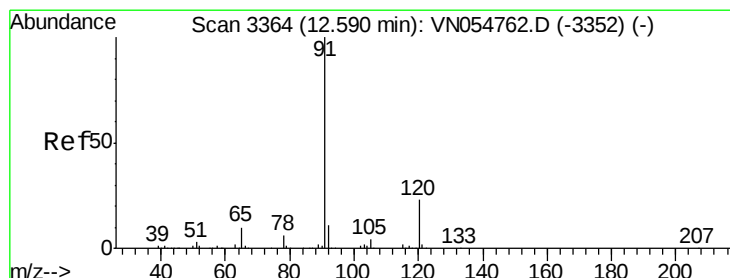
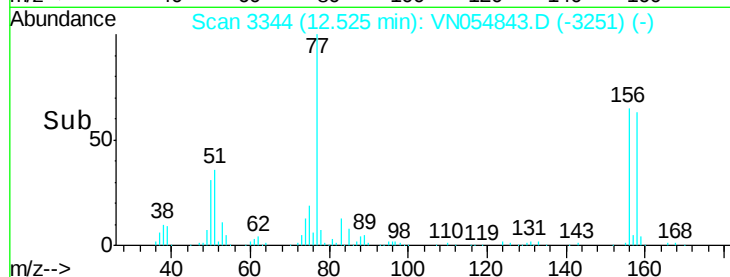
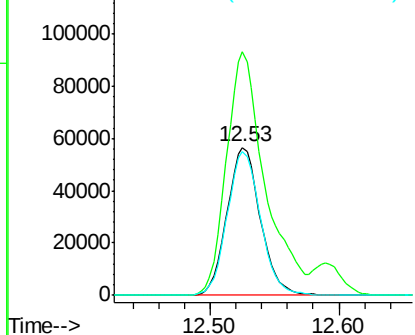
Tgt Ion	Ratio	Lower	Upper
156	100		
77	191.1	81.5	244.4
158	97.1	49.0	147.2

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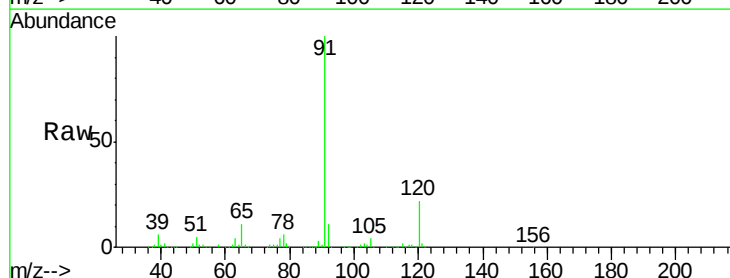


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

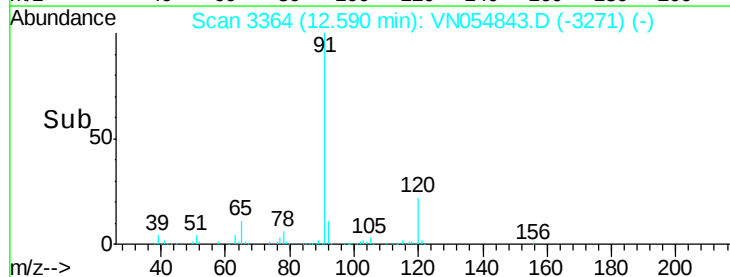
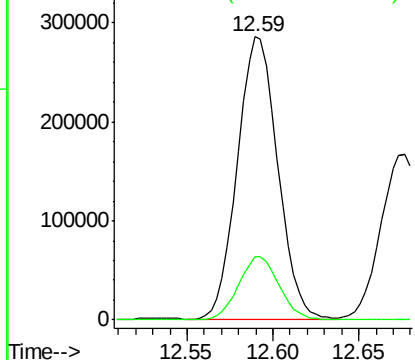


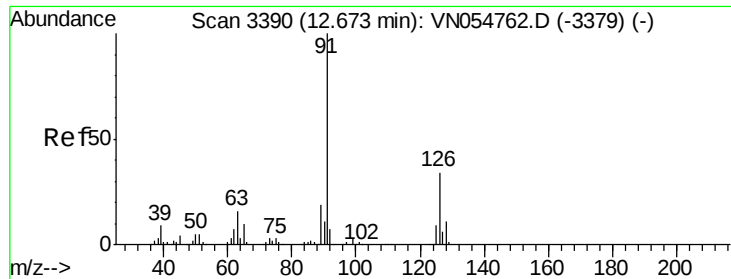
#78
n-propylbenzene
Concen: 20.556 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054843.D
Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	12.3	36.9



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





#79

2-Chlorotoluene

Concen: 20.203 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VN0331WBS01

Tgt Ion: 91 Resp: 283137

Ion Ratio Lower Upper

91 100

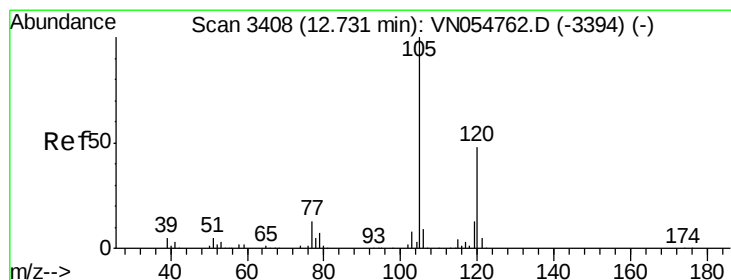
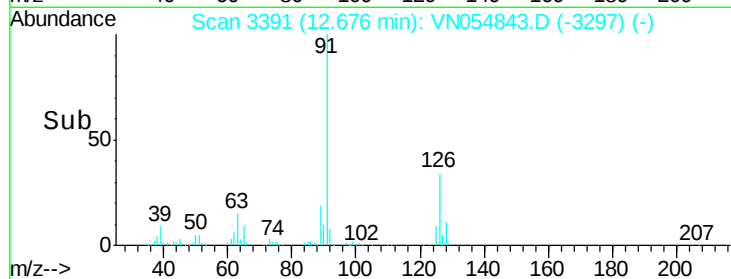
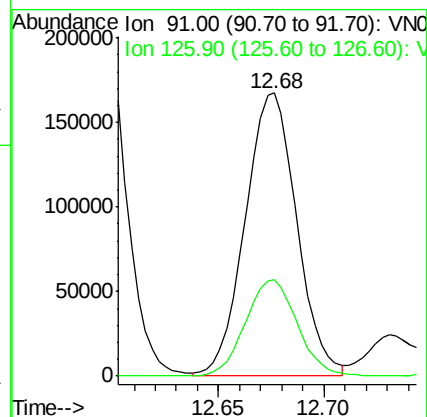
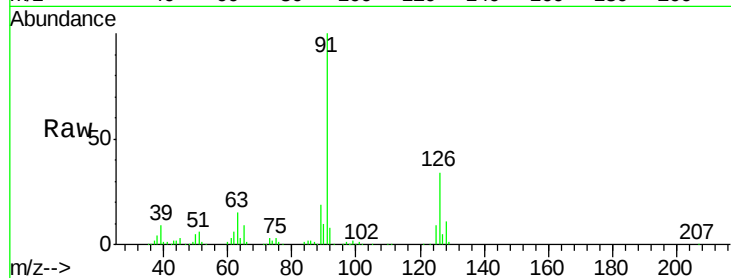
126 34.5 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.516 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054843.D

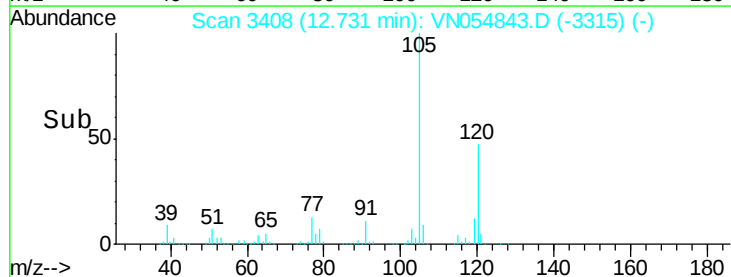
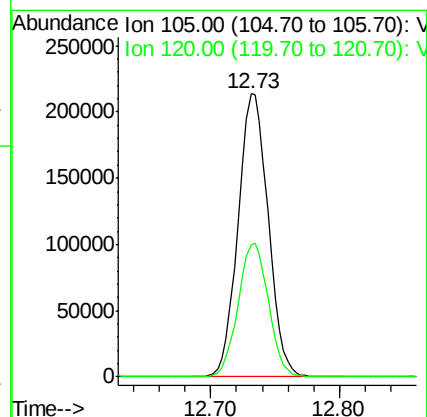
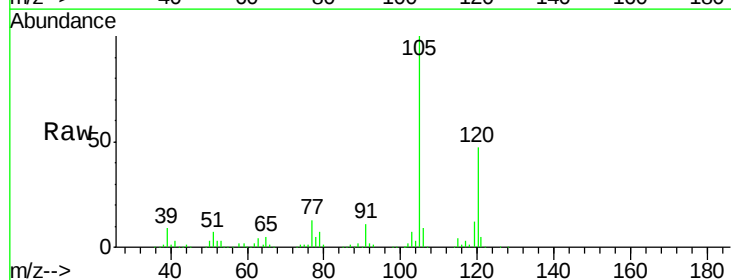
Acq: 31 Mar 2019 11:59

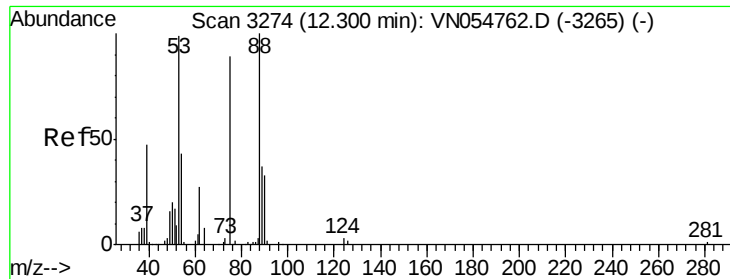
Tgt Ion: 105 Resp: 346946

Ion Ratio Lower Upper

105 100

120 47.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.235 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

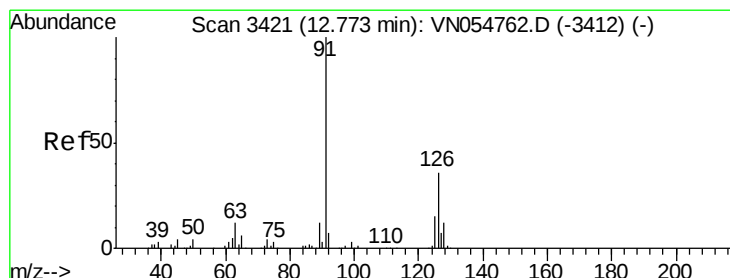
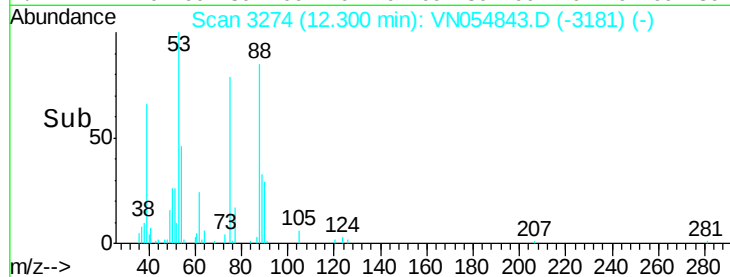
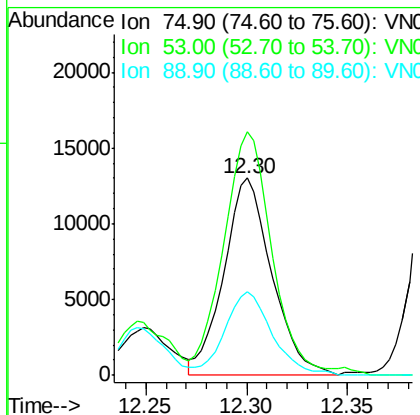
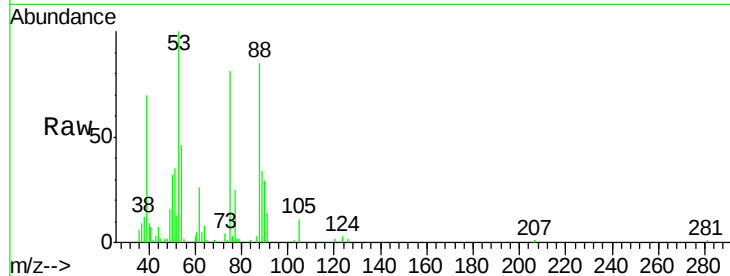
ClientSampleId :

VN0331WBS01

Tgt Ion:	75	Resp:	21662
Ion Ratio	Lower	Upper	
75	100		
53	125.3	76.2	114.2#
89	42.1	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.535 ug/l

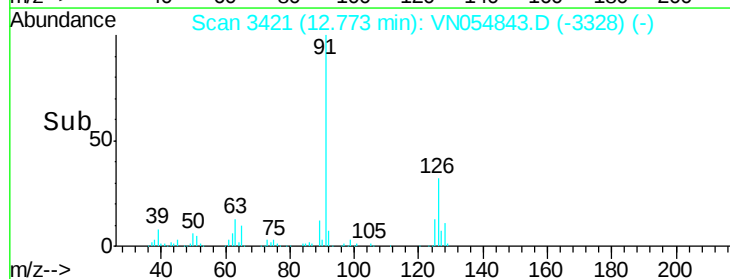
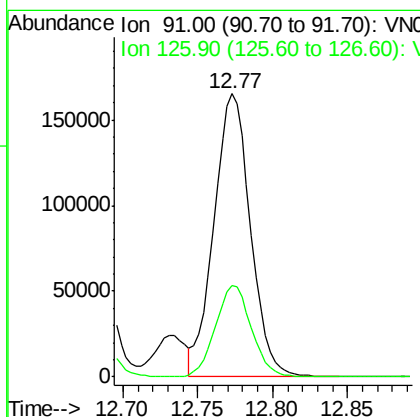
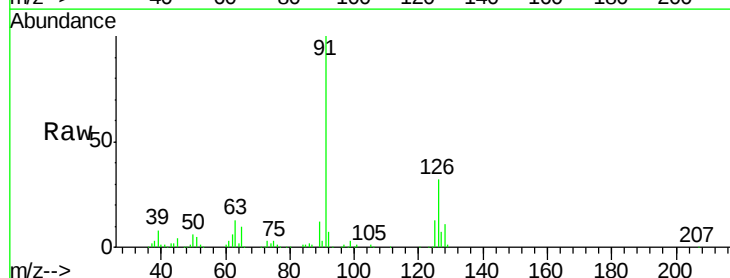
RT: 12.77 min Scan# 3421

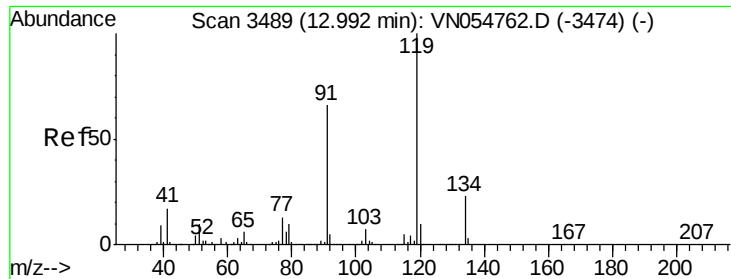
Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion:	91	Resp:	279527
Ion Ratio	Lower	Upper	
91	100		
126	32.0	18.1	54.1





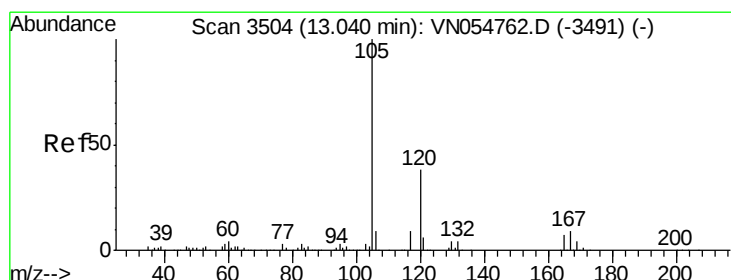
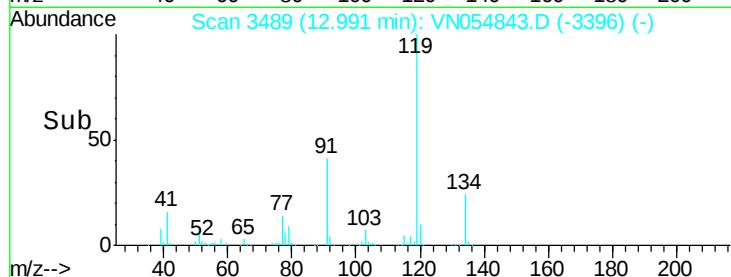
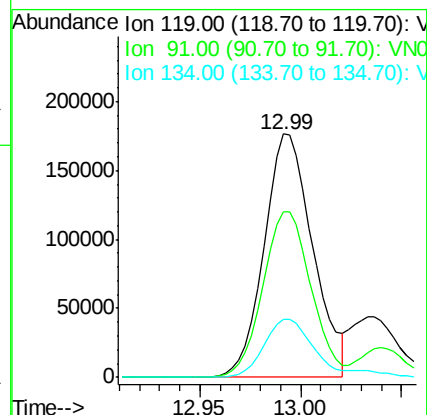
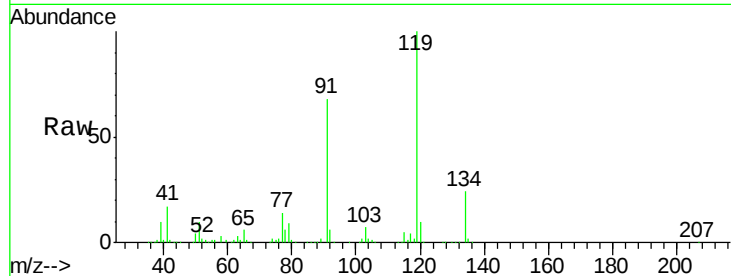
#83
 tert-Butylbenzene
 Concen: 21.510 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	297427		
91	67.4	30.9	92.8	
134	25.9	13.2	39.6	

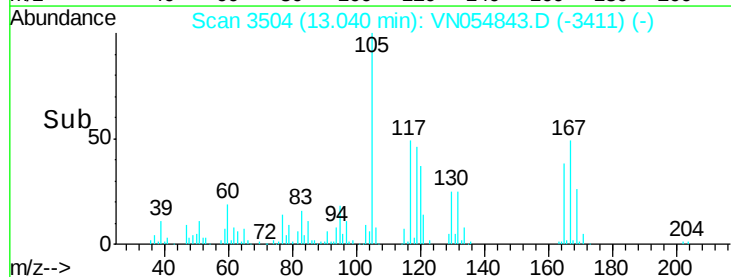
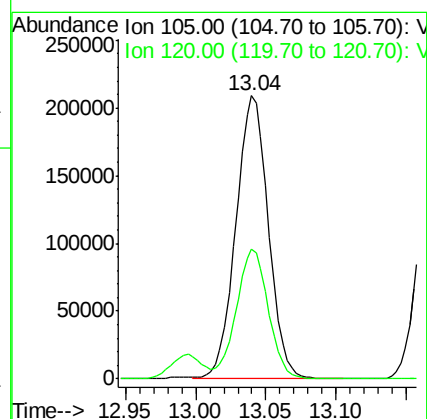
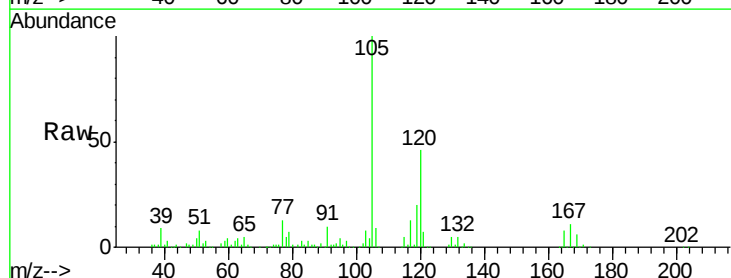
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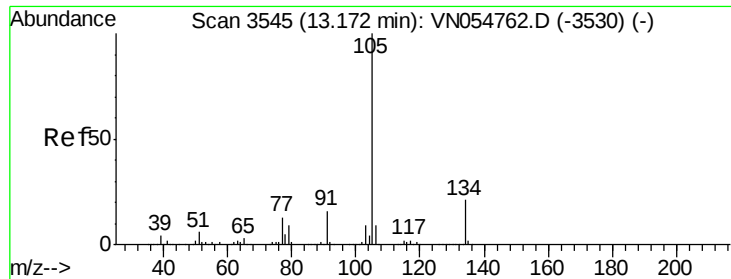
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.932 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	337238		
120	45.0	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.777 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VN0331WBS01

Tgt Ion:105 Resp: 381684

Ion Ratio Lower Upper

105 100

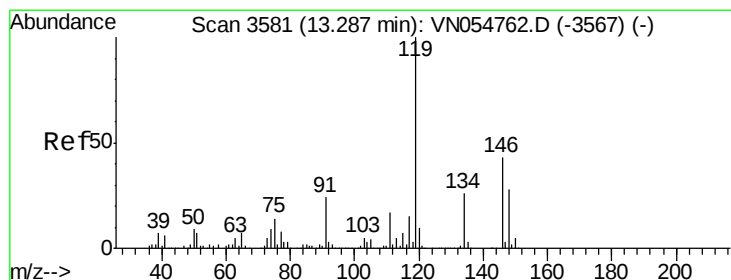
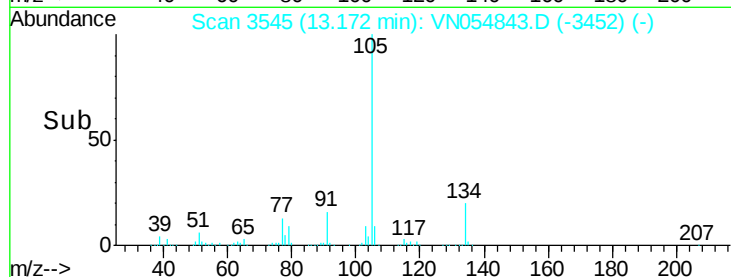
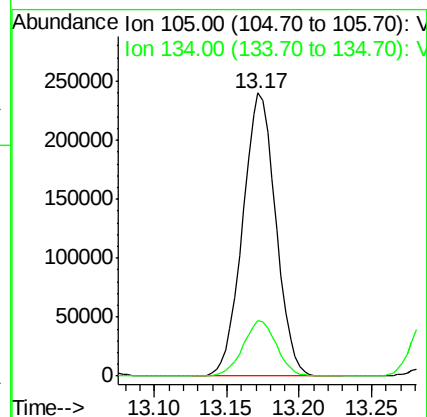
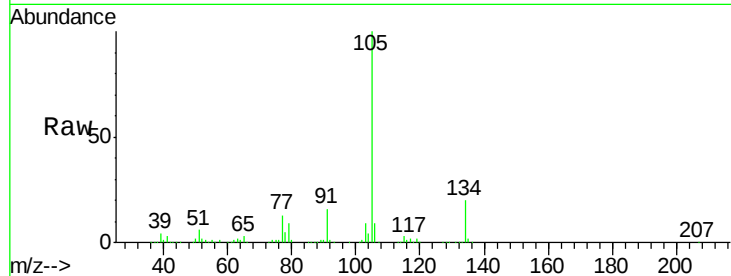
134 19.8 10.7 32.1

Manual Integrations

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4/1/2019 12:49:52 PM



#86

p-Isopropyltoluene

Concen: 20.413 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

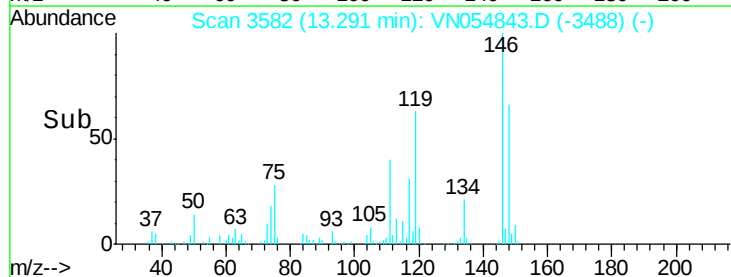
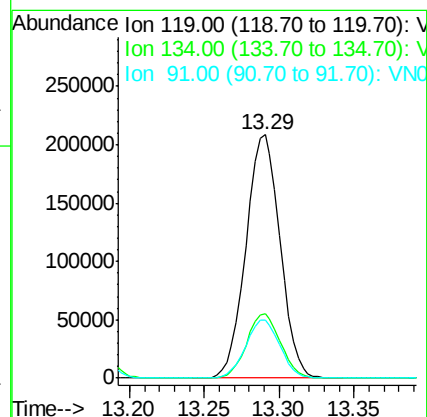
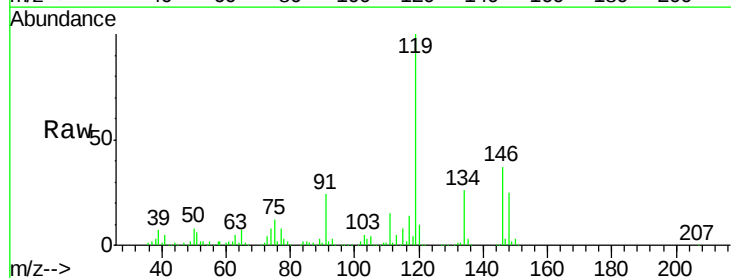
Tgt Ion:119 Resp: 330754

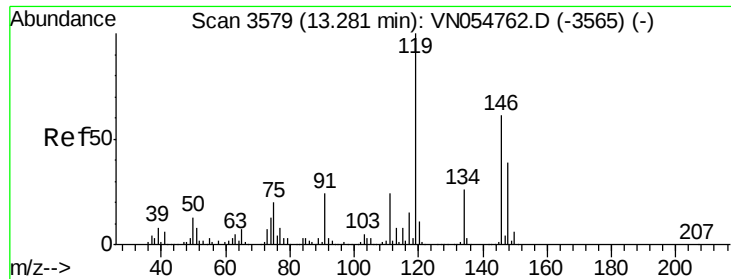
Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

91 23.8 11.1 33.3





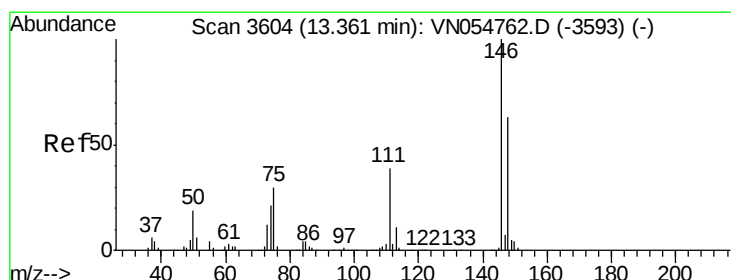
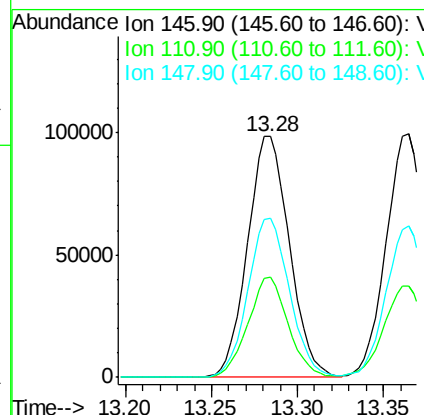
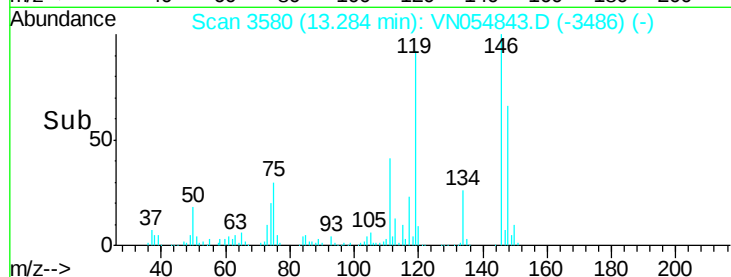
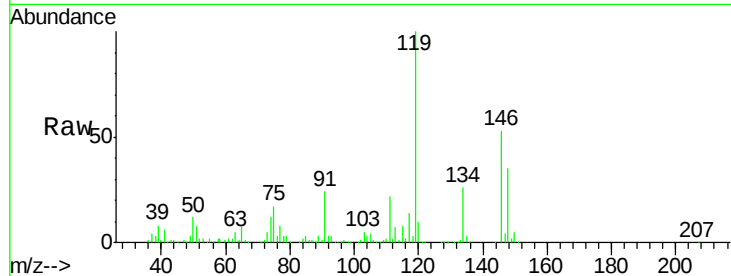
#87
 1,3-Dichlorobenzene
 Concen: 19.973 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0331WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	166332		
111	39.8	18.8	56.3	
148	65.2	32.2	96.6	

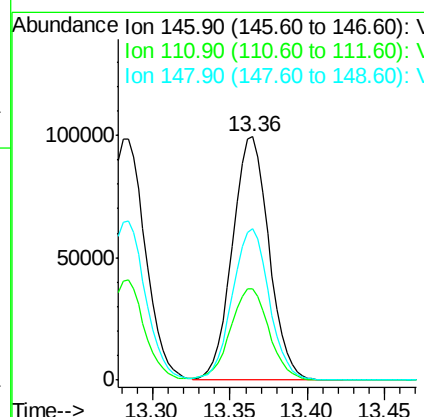
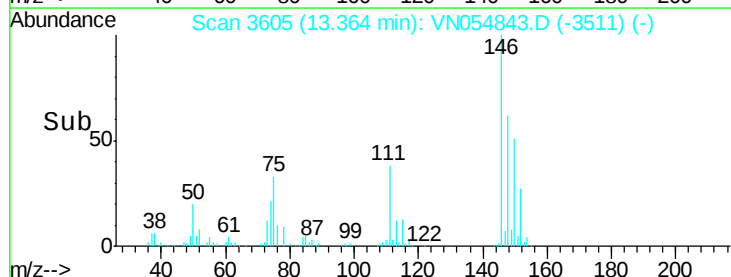
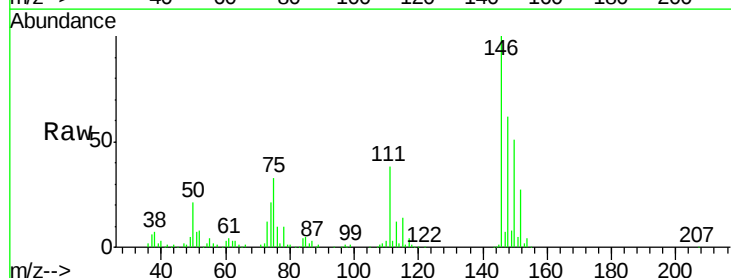
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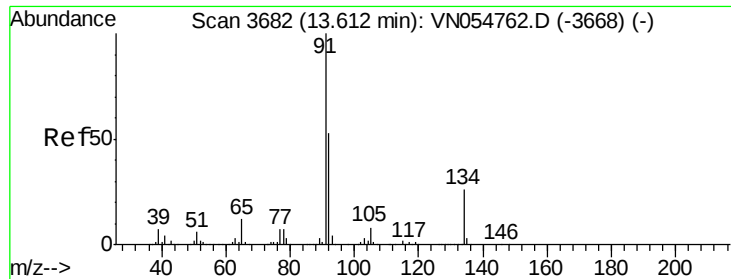
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#88
 1,4-Dichlorobenzene
 Concen: 20.004 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	163395		
111	39.7	18.1	54.1	
148	62.6	32.0	96.0	





#89

n-Butylbenzene

Concen: 19.866 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

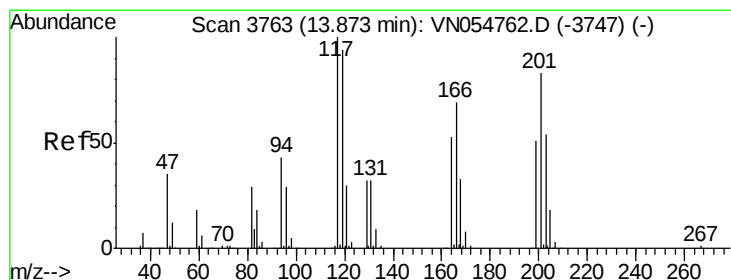
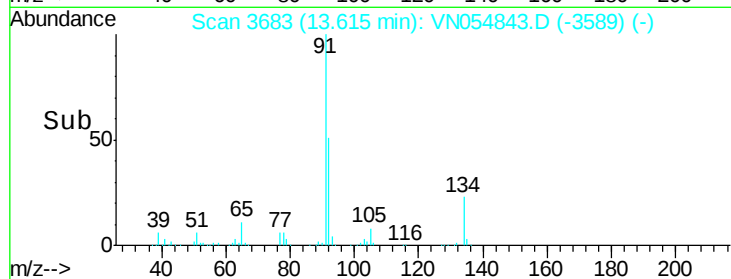
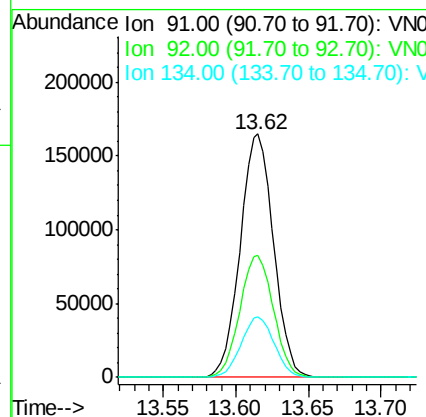
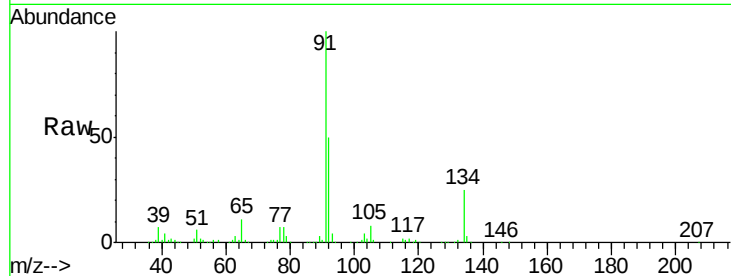
ClientSampleId :

VN0331WBS01

Tgt Ion:	91	Resp:	262621
Ion Ratio	Lower	Upper	
91	100		
92	50.6	26.2	78.6
134	24.8	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 19.323 ug/l

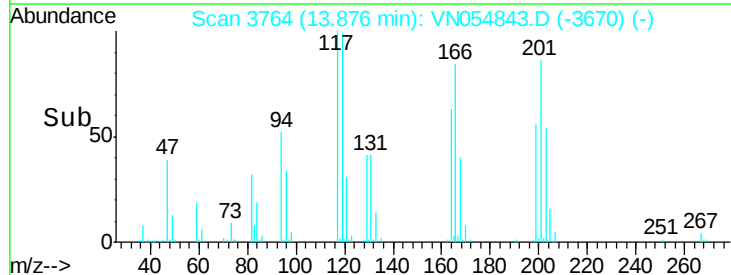
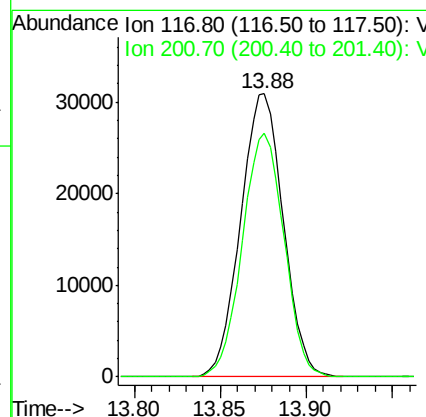
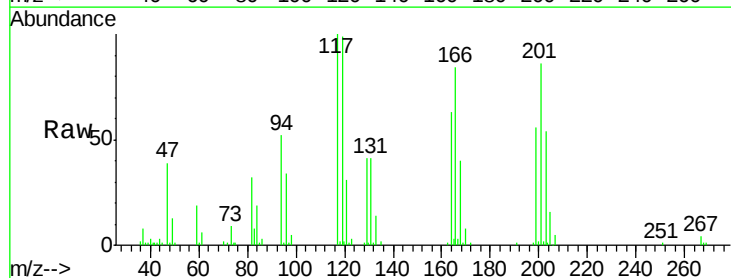
RT: 13.88 min Scan# 3764

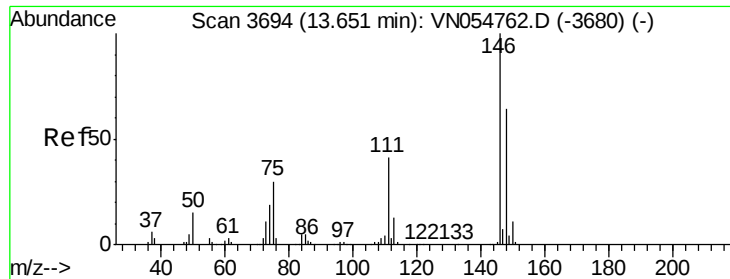
Delta R.T. 0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion:	117	Resp:	53156
Ion Ratio	Lower	Upper	
117	100		
201	84.1	48.1	144.4





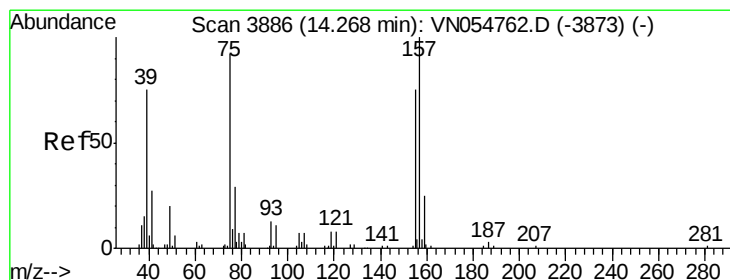
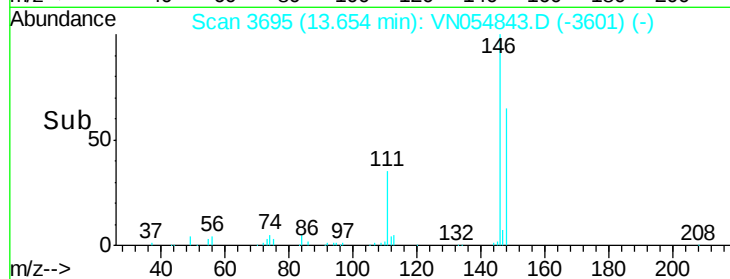
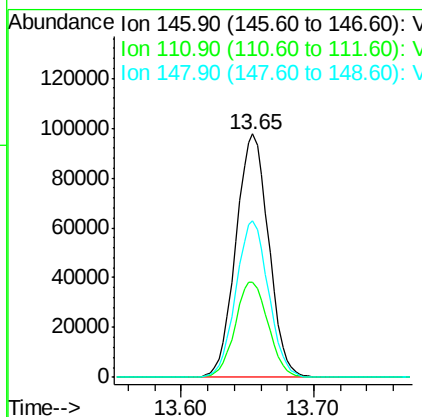
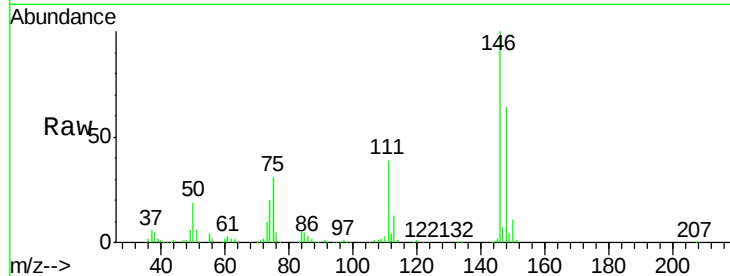
#91
 1,2-Dichlorobenzene
 Concen: 19.951 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	167684		
111	39.5	19.1	57.3	
148	63.9	32.4	97.0	

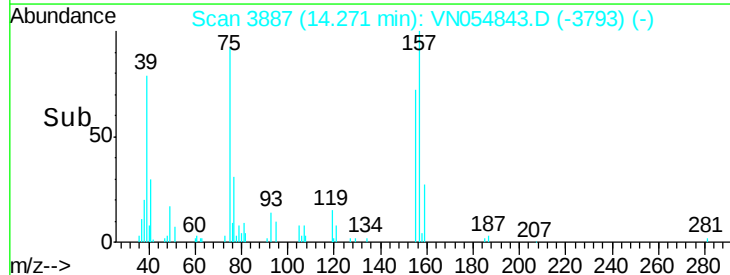
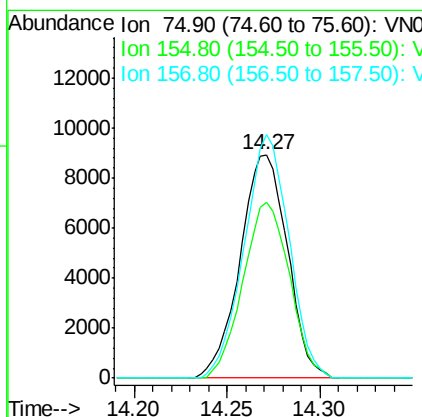
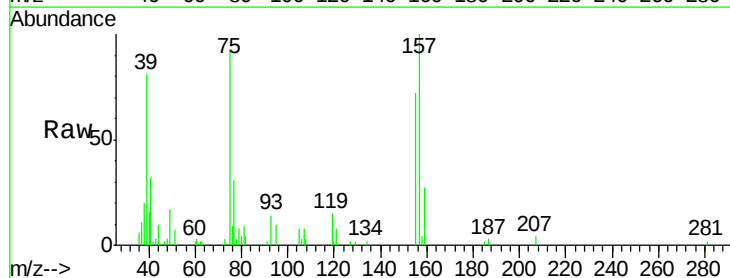
Manual Integrations
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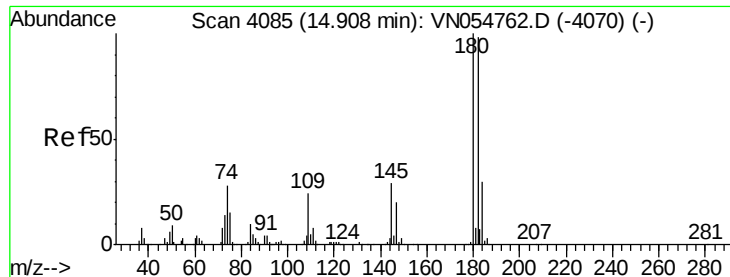
MMDadoda
 4/1/2019 12:49:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.449 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15817		
155	77.5	50.1	150.3	
157	103.3	63.1	189.3	





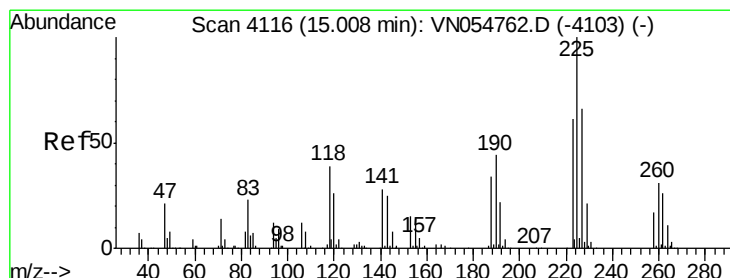
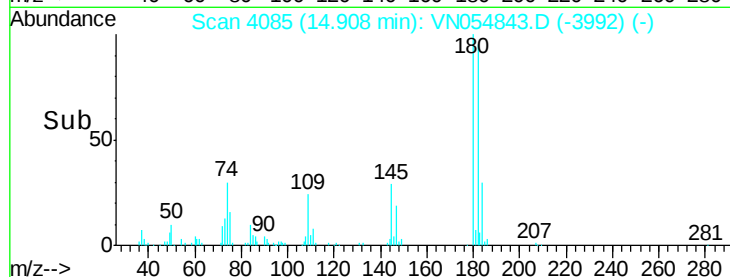
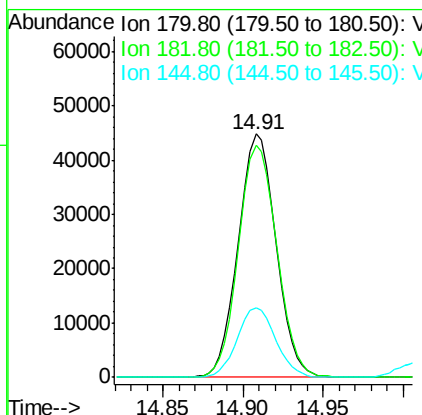
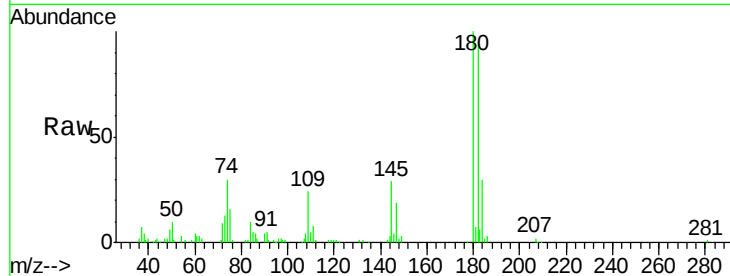
#93
 1,2,4-Trichlorobenzene
 Concen: 17.825 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72225		
182	97.0	48.0	144.2	
145	28.9	14.2	42.8	

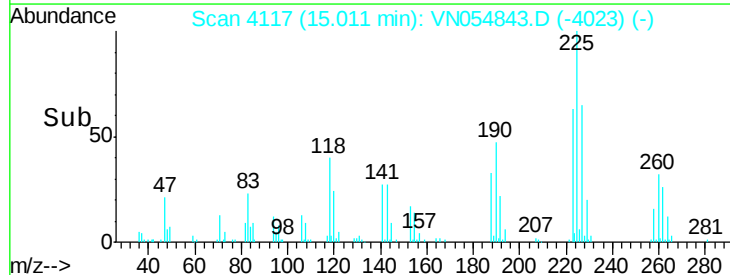
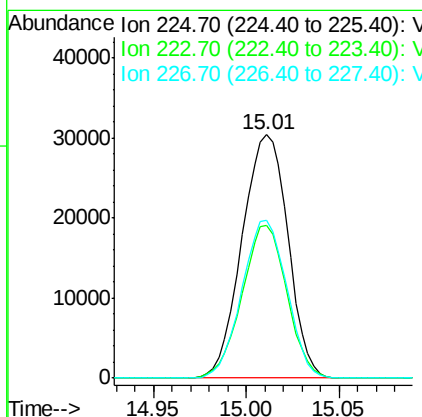
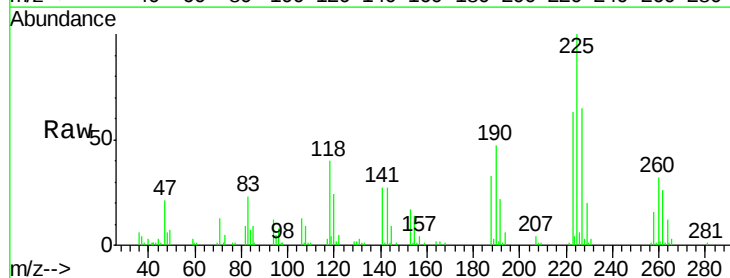
Manual Integrations
 APPROVED

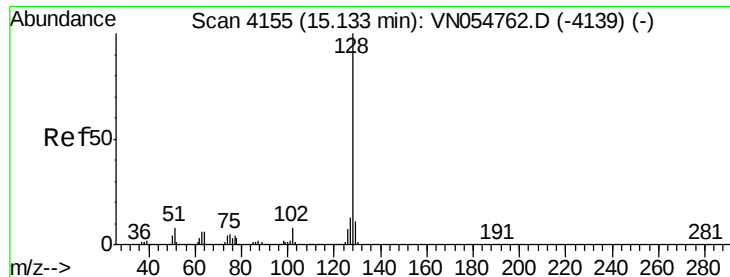
MMDadoda
 4/1/2019 12:49:52 PM



#94
 Hexachlorobutadiene
 Concen: 20.571 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054843.D
 Acq: 31 Mar 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52334		
223	61.1	31.1	93.5	
227	63.2	31.9	95.9	





#95

Naphthalene

Concen: 17.784 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Instrument :

MSVOA_N

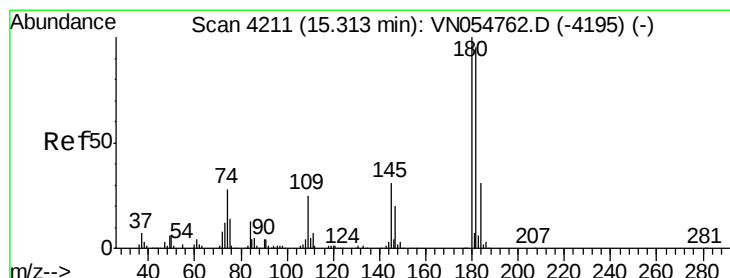
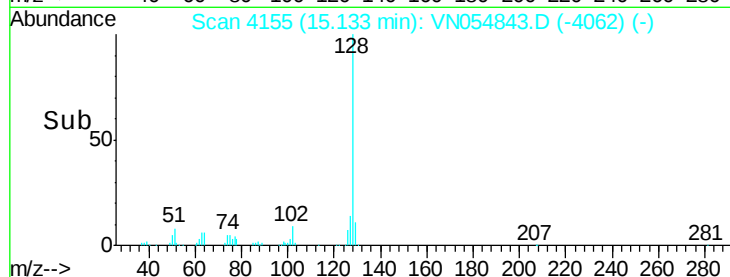
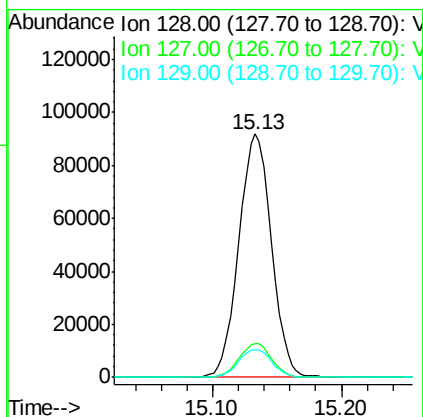
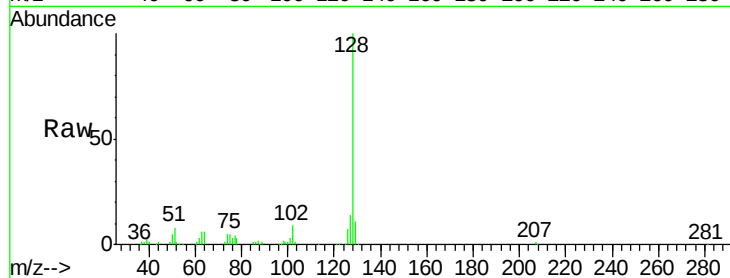
ClientSampleId :

VN0331WBS01

Tgt Ion:	128	Resp:	161618
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.1	15.1
129	11.6	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 19.153 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054843.D

Acq: 31 Mar 2019 11:59

Tgt Ion:	180	Resp:	78378
Ion Ratio	Lower	Upper	
180	100		
182	92.5	47.5	142.6
145	29.1	14.8	44.3

