

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054806.D
 Acq On : 30 Mar 2019 16:52
 Operator : JC/SP
 Sample : VN0330WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:38 PM

Quant Time: Mar 30 23:27:56 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	416134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	712217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	596940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	247175	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	304660	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.59	113	236005	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.09	98	863730	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.40	95	276746	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	84704	20.124	ug/l	99
3) Chloromethane	2.07	50	114867	19.736	ug/l	100
4) Vinyl Chloride	2.19	62	107916	20.648	ug/l	99
5) Bromomethane	2.57	94	59525	20.392	ug/l	94
6) Chloroethane	2.71	64	59925	20.533	ug/l	97
7) Trichlorofluoromethane	3.02	101	134576	20.944	ug/l	97
8) Diethyl Ether	3.41	74	45390	21.938	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	3.75	101	69816	20.640	ug/l	93
10) Methyl Iodide	3.94	142	96871	20.920	ug/l #	88
11) Tert butyl alcohol	4.83	59	42888	146.741	ug/l #	91
12) 1,1-Dichloroethene	3.73	96	71199	21.766	ug/l #	80
13) Acrolein	3.61	56	39204	150.043	ug/l	97
14) Allyl chloride	4.32	41	166481	20.663	ug/l #	90
15) Acrylonitrile	5.00	53	201646	124.126	ug/l	99
16) Acetone	3.82	43	147805	110.493	ug/l #	80
17) Carbon Disulfide	4.04	76	181569	17.114	ug/l	99
18) Methyl Acetate	4.33	43	91431	25.796	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	268564	23.471	ug/l	97
20) Methylene Chloride	4.54	84	100744	21.350	ug/l #	86
21) trans-1,2-Dichloroethene	5.03	96	90634	21.095	ug/l	87
22) Diisopropyl ether	5.96	45	351902	22.083	ug/l #	94
23) Vinyl Acetate	5.90	43	1302413	117.445	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	183871	21.630	ug/l	98
25) 2-Butanone	6.85	43	257341	130.143	ug/l #	85
26) 2,2-Dichloropropane	6.83	77	108146	18.151	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	103922	21.411	ug/l	88
28) Bromochloromethane	7.20	49	105643	24.854	ug/l #	70
29) Tetrahydrofuran	7.22	42	178737	130.144	ug/l #	84
30) Chloroform	7.37	83	181036	22.334	ug/l	98
31) Cyclohexane	7.65	56	174065	21.290	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	148119	22.050	ug/l	95
36) 1,1-Dichloropropene	7.80	75	131175	19.766	ug/l	96
37) Ethyl Acetate	6.94	43	116421	23.922	ug/l #	94
38) Carbon Tetrachloride	7.77	117	124994	19.391	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140264	19.225	ug/l #	87
40) Benzene	8.04	78	397785	20.948	ug/l	99
41) Methacrylonitrile	7.18	41	65675	24.023	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	146752	21.644	ug/l	97
43) Isopropyl Acetate	8.17	43	188452	23.831	ug/l #	94
44) Trichloroethene	8.84	130	100457	20.379	ug/l	91
45) 1,2-Dichloropropane	9.12	63	111823	20.652	ug/l	98
46) Dibromomethane	9.21	93	65071	21.363	ug/l	88
47) Bromodichloromethane	9.40	83	131753	20.813	ug/l	99
48) Methyl methacrylate	9.20	41	95731	22.333	ug/l	89
49) 1,4-Dioxane	9.21	88	21799	512.528	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	548231	123.311	ug/l	92
52) Toluene	10.16	92	232312	20.559	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	115677	19.426	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	145033	20.389	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	90459	21.530	ug/l	96
56) Ethyl methacrylate	10.43	69	119180	21.624	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	158545	21.949	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	232799	104.348	ug/l #	89
59) 2-Hexanone	10.75	43	334677	117.592	ug/l	92
60) Dibromochloromethane	10.90	129	88662	20.832	ug/l	99
61) 1,2-Dibromoethane	11.01	107	87308	21.744	ug/l	97
64) Tetrachloroethene	10.63	164	98606	21.526	ug/l	97
65) Chlorobenzene	11.44	112	235553	20.154	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91313	20.874	ug/l	98
67) Ethyl Benzene	11.51	91	430096	20.393	ug/l	100
68) m/p-Xylenes	11.62	106	312681	40.062	ug/l	93
69) o-Xylene	11.95	106	154554	20.194	ug/l	95
70) Styrene	11.97	104	255776	20.902	ug/l	97
71) Bromoform	12.13	173	54582	21.298	ug/l #	99
73) Isopropylbenzene	12.25	105	410513	20.319	ug/l	97
74) N-amyl acetate	12.07	43	137099	21.782	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	112952	24.488	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	94835m	22.085	ug/l	
77) Bromobenzene	12.53	156	101739	20.866	ug/l	85
78) n-propylbenzene	12.59	91	440871	19.854	ug/l	96
79) 2-Chlorotoluene	12.68	91	275652	20.065	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	329814	19.896	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22127	20.044	ug/l #	78
82) 4-Chlorotoluene	12.77	91	260664	19.535	ug/l	96
83) tert-Butylbenzene	12.99	119	284096	20.904	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	323185	20.464	ug/l	96
85) sec-Butylbenzene	13.17	105	357721	19.864	ug/l	95
86) p-Isopropyltoluene	13.29	119	306170	19.277	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	158225	19.382	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	153674	19.193	ug/l	97
89) n-Butylbenzene	13.62	91	232720	17.959	ug/l	97
90) Hexachloroethane	13.88	117	51211	18.990	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	161239	19.571	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16051	23.240	ug/l	84

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Instrument :
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ClientSampleId :
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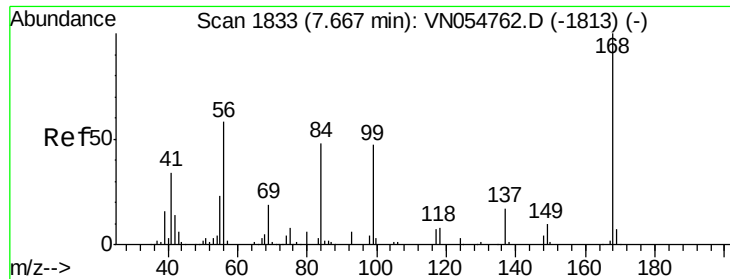
Manual Integrations
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4/1/2019 1:32:38 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68032	17.128	ug/l	99
94) Hexachlorobutadiene	15.01	225	44178	17.410	ug/l	99
95) Naphthalene	15.13	128	170769	19.169	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72203	17.999	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS01

Tot Ion:168 Resp: 416134

Ion Ratio Lower Upper

168 100

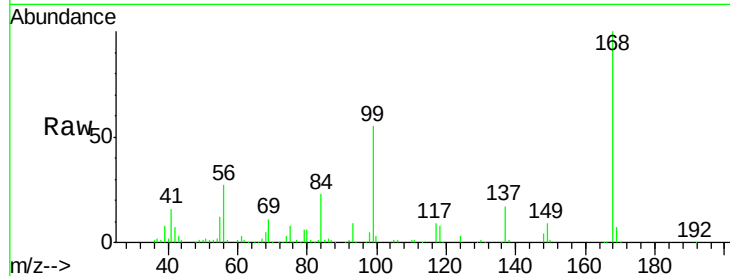
99 54.3 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

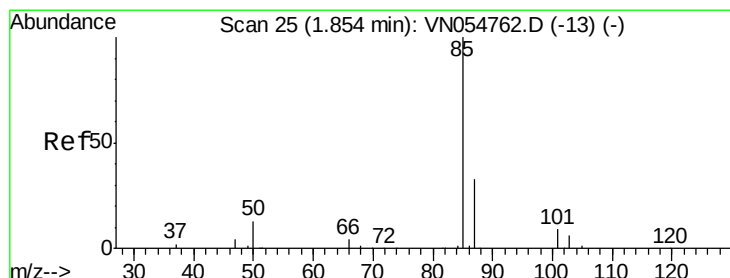
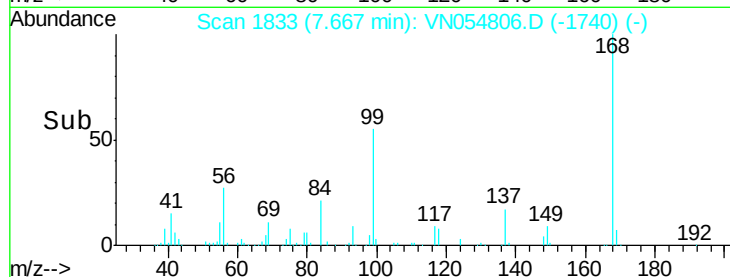
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.124 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054806.D

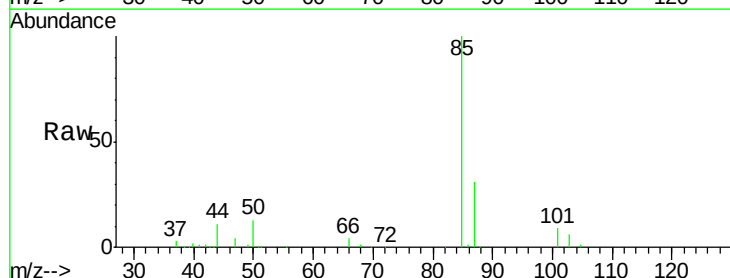
Acq: 30 Mar 2019 16:52

Tgt Ion: 85 Resp: 84704

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

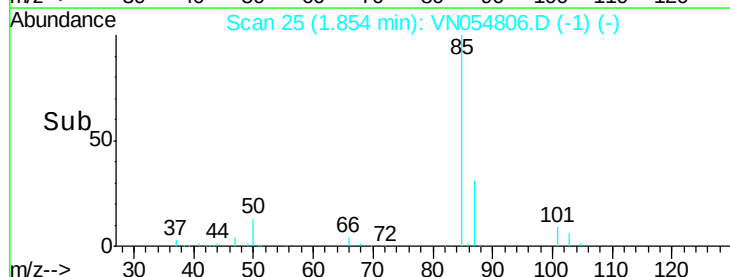
40000

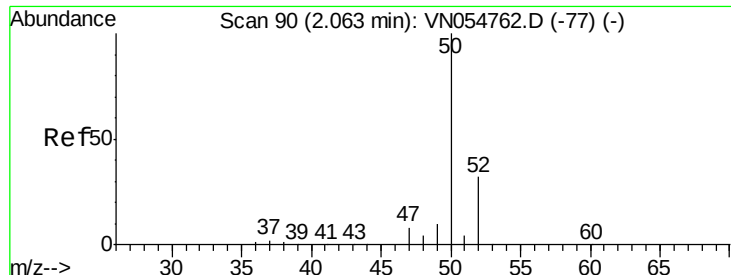
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.736 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS01

Tot Ion: 50 Resp: 114867

Ion Ratio Lower Upper

50 100

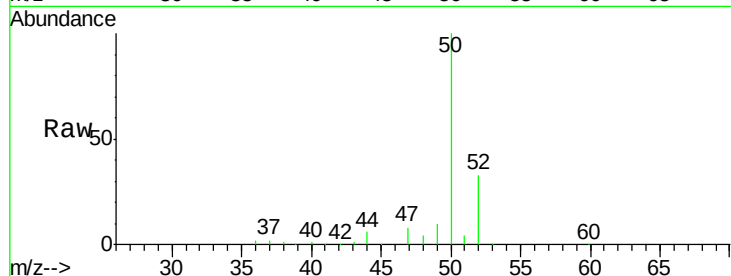
52 32.9 26.4 39.6

Manual Integrations

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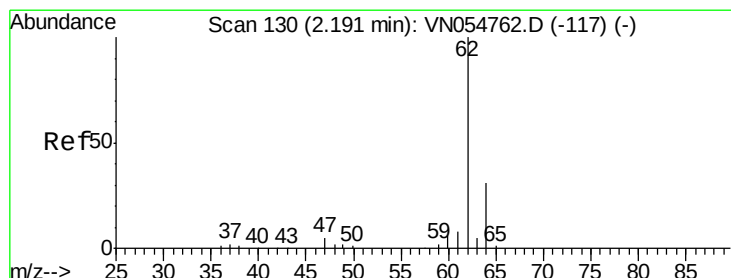
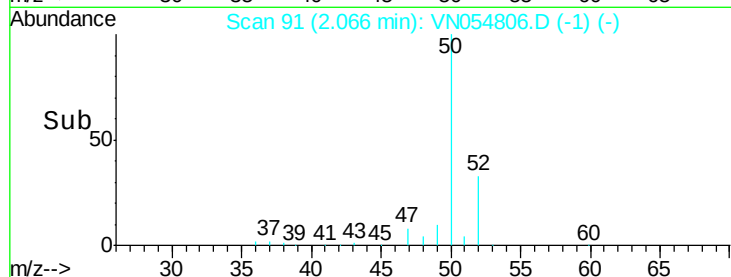
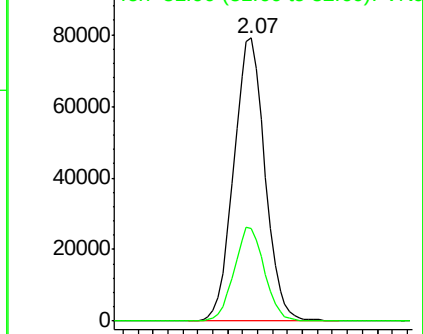
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.648 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054806.D

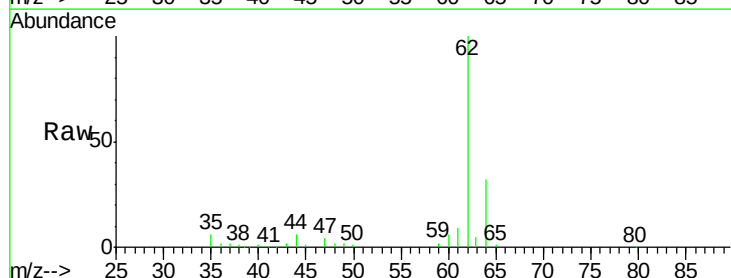
Acq: 30 Mar 2019 16:52

Tgt Ion: 62 Resp: 107916

Ion Ratio Lower Upper

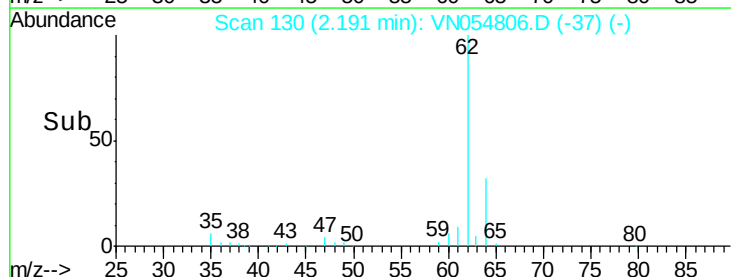
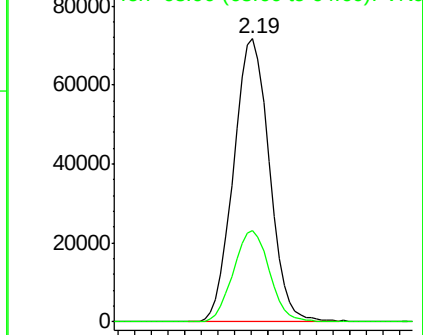
62 100

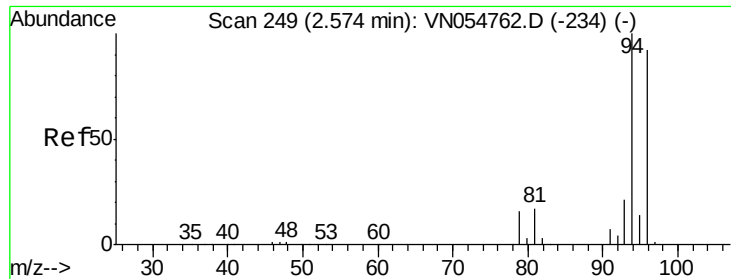
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.392 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS01

Tot Ion: 94 Resp: 59525

Ion Ratio Lower Upper

94 100

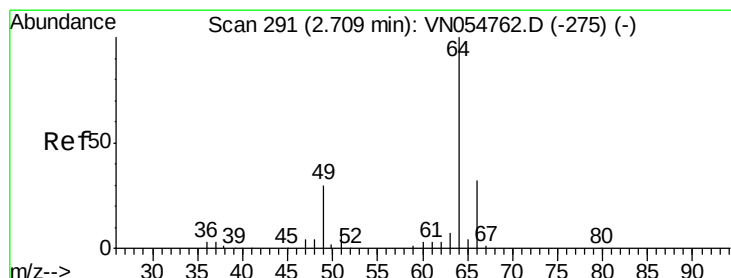
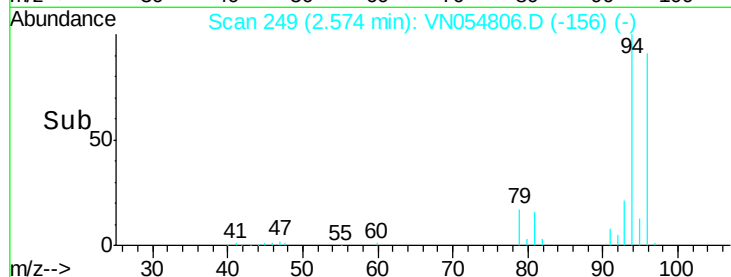
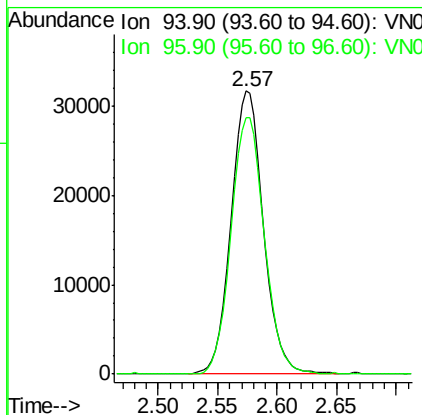
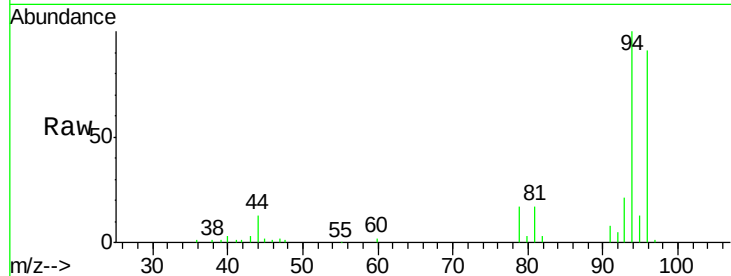
96 90.6 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 20.533 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054806.D

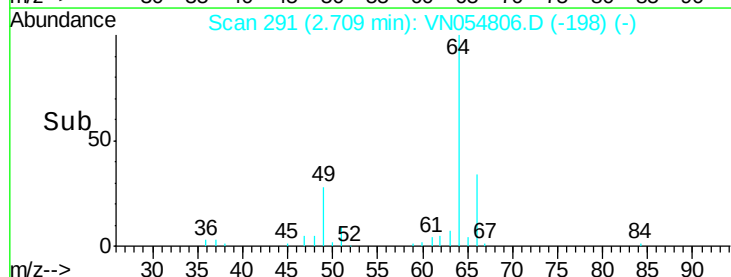
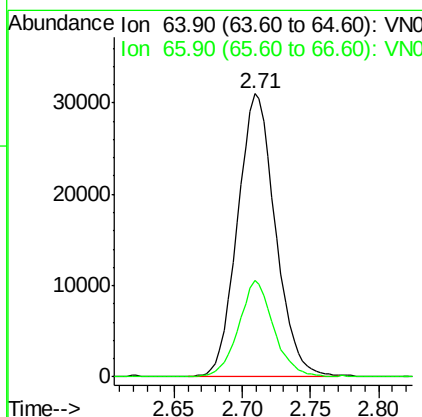
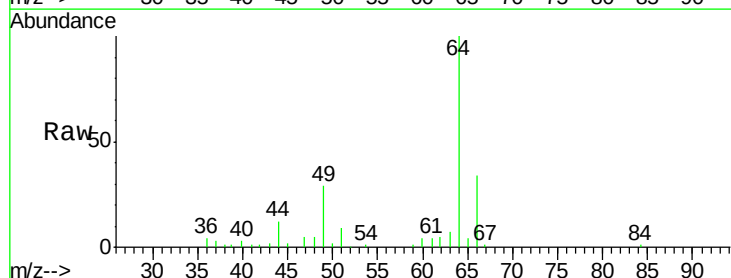
Acq: 30 Mar 2019 16:52

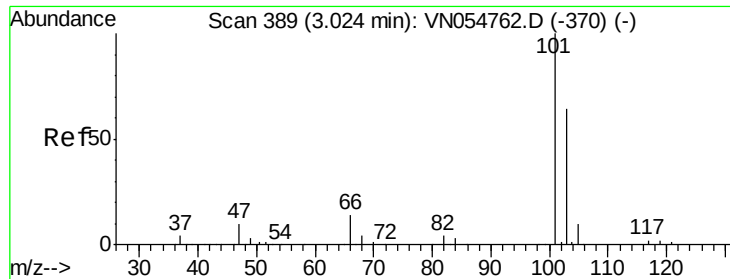
Tgt Ion: 64 Resp: 59925

Ion Ratio Lower Upper

64 100

66 33.9 25.7 38.5





#7

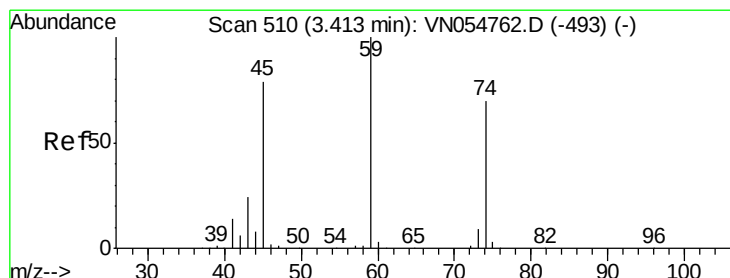
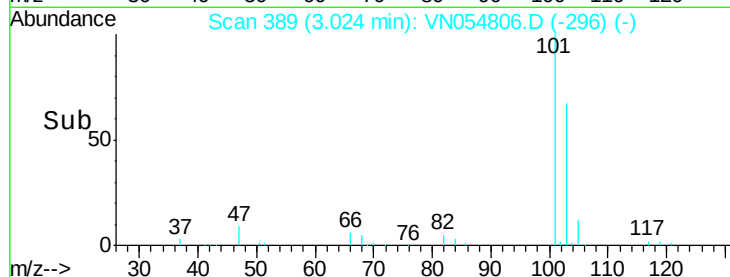
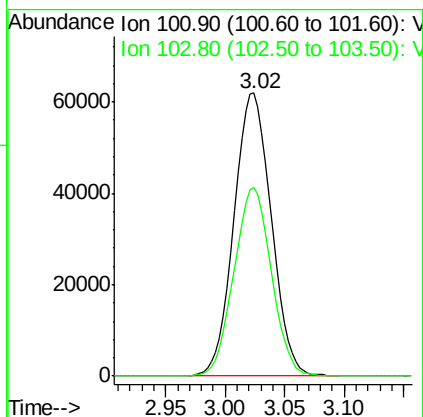
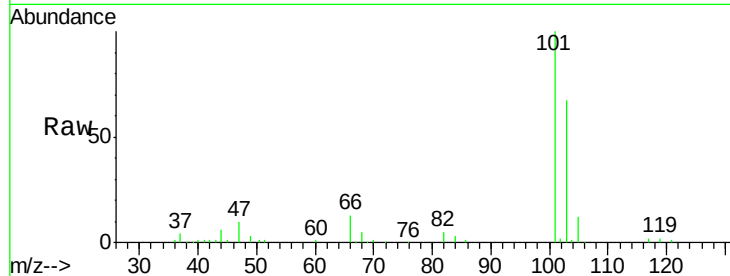
Trichlorofluoromethane
Concen: 20.944 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

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ClientSampleId :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	51.4	77.2

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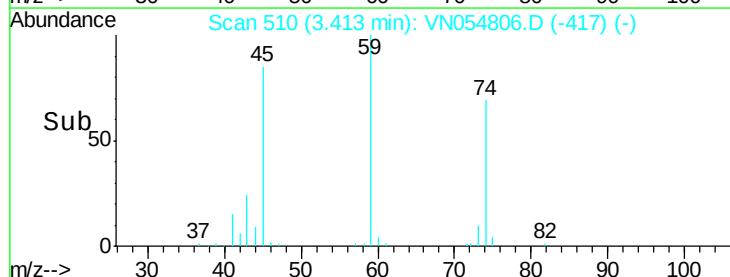
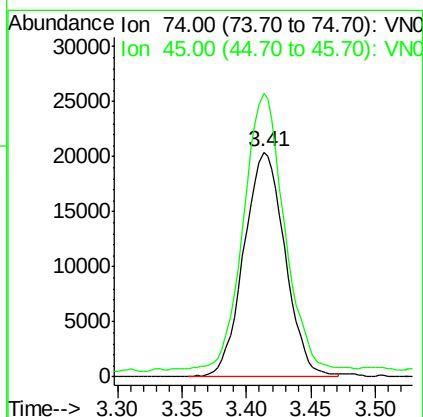
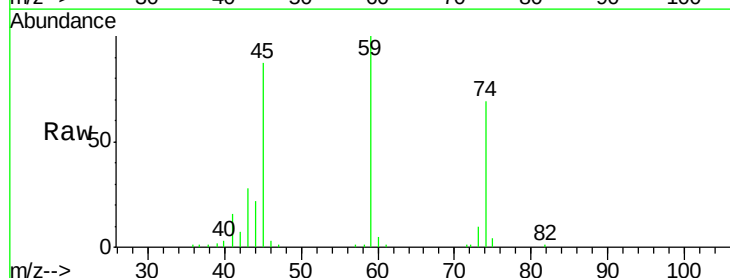
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4/1/2019 1:32:38 PM

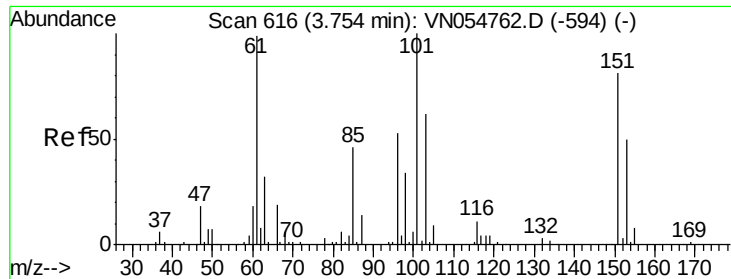


#8

Diethyl Ether
Concen: 21.938 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.8	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.640 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

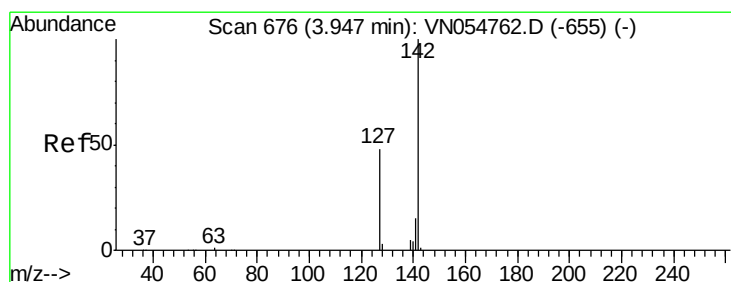
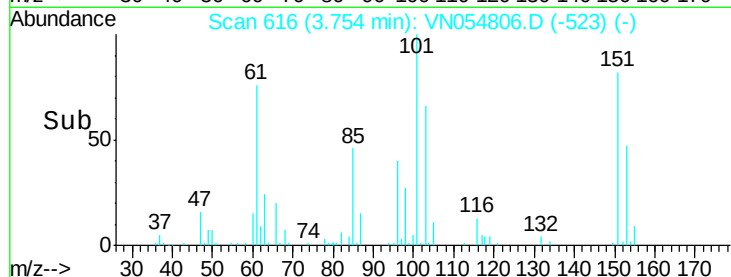
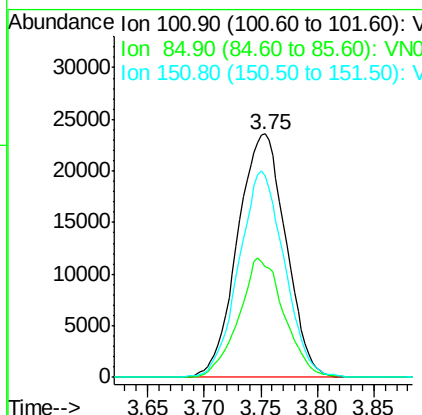
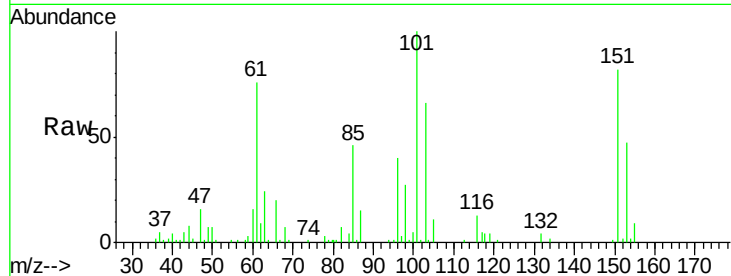
ClientSampleId :

VN0330WBS01

Tot Ion:	101	Resp:	69816
Ion Ratio	Lower	Upper	
101	100		
85	46.2	32.4	48.6
151	80.0	68.2	102.2

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 20.920 ug/l

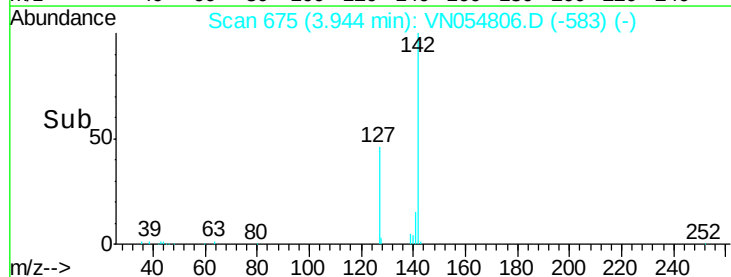
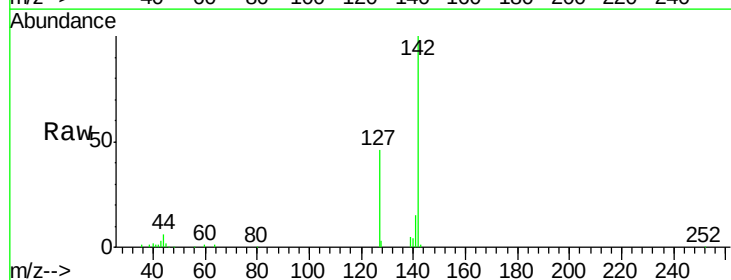
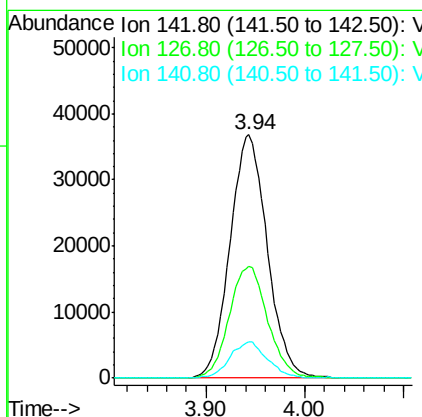
RT: 3.94 min Scan# 675

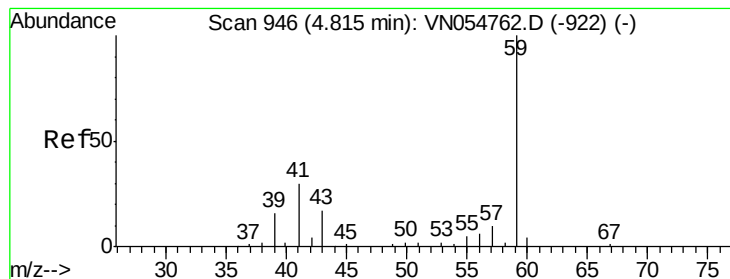
Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Tgt Ion:	142	Resp:	96871
Ion Ratio	Lower	Upper	
142	100		
127	47.1	30.3	45.5#
141	14.9	11.2	16.8





#11

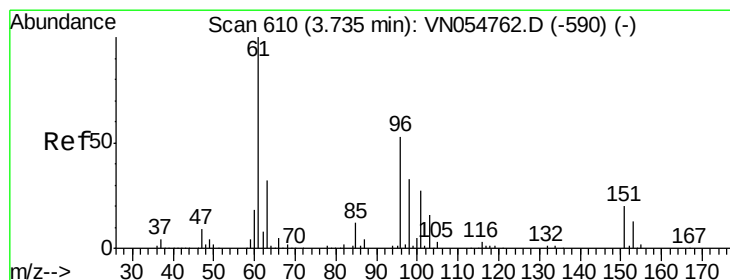
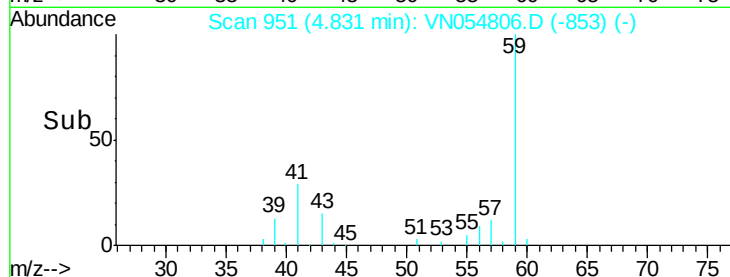
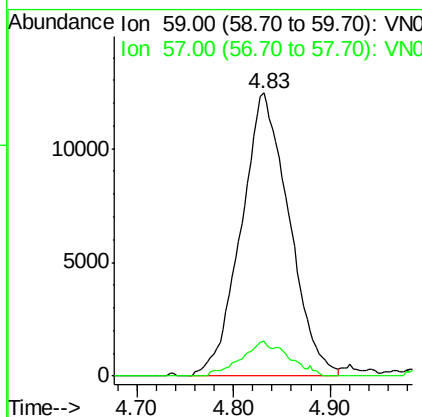
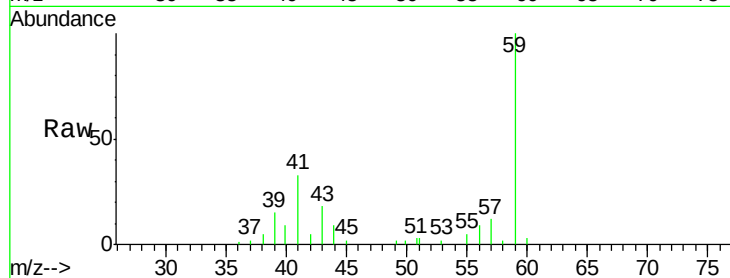
Tert butyl alcohol
Concen: 146.741 ug/l
RT: 4.83 min Scan# 951
Delta R.T. 0.02 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.7	9.0	13.6#

Manual Integrations
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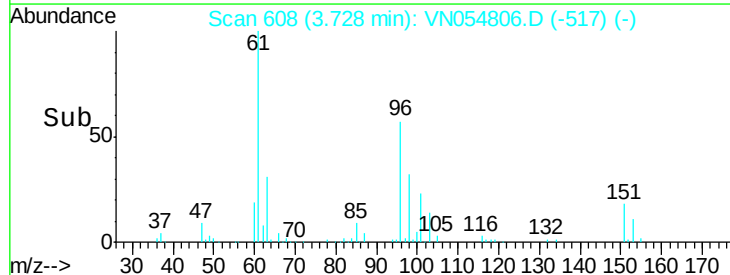
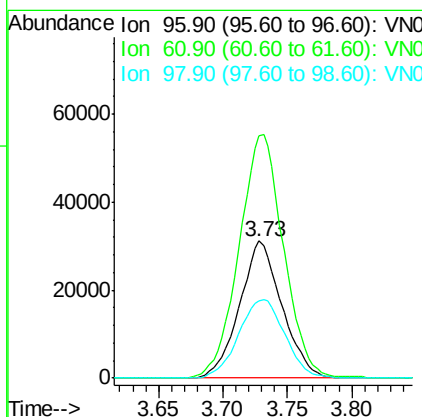
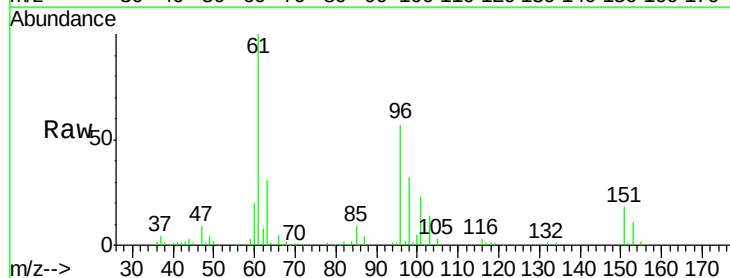
MMDadoda
4/1/2019 1:32:38 PM

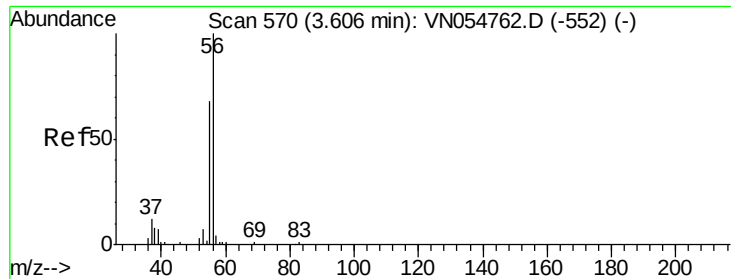


#12

1,1-Dichloroethene
Concen: 21.766 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.1	116.5	174.7#
98	56.1	51.0	76.4





#13

Acrolein

Concen: 150.043 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS01

Tot Ion: 56 Resp: 39204

Ion Ratio Lower Upper

56 100

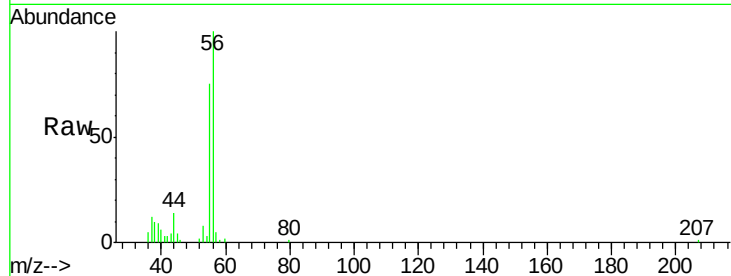
55 73.2 56.7 85.1

Manual Integrations

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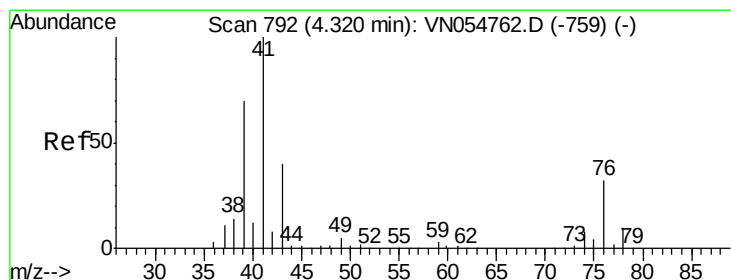
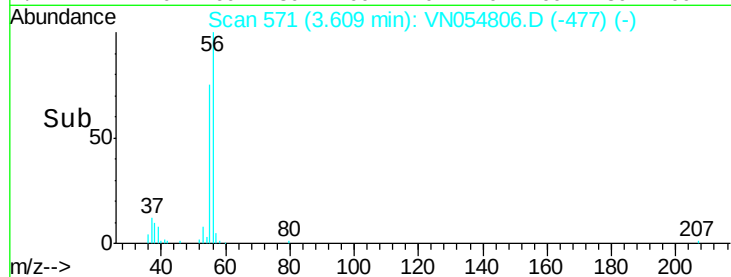
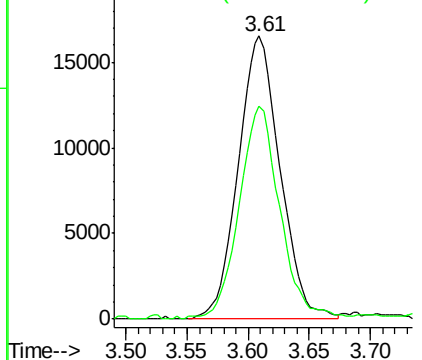
MMDadoda

4/1/2019 1:32:38 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.663 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

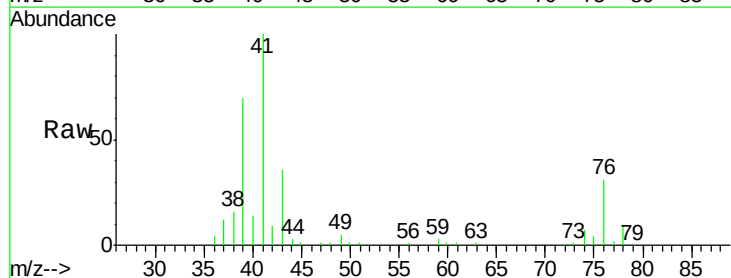
Tgt Ion: 41 Resp: 166481

Ion Ratio Lower Upper

41 100

39 68.8 58.2 87.4

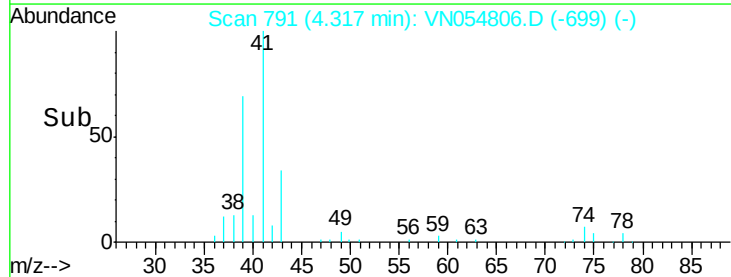
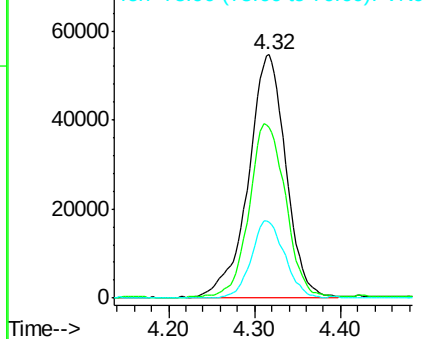
76 28.3 31.7 47.5#

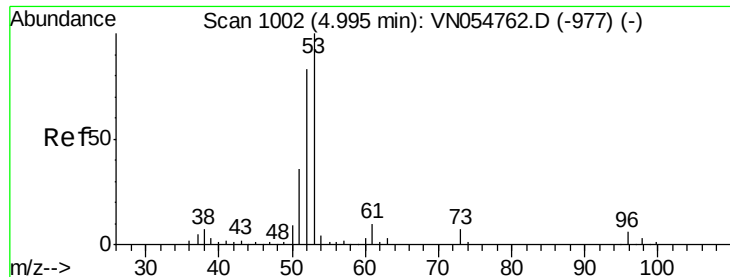


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 124.126 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

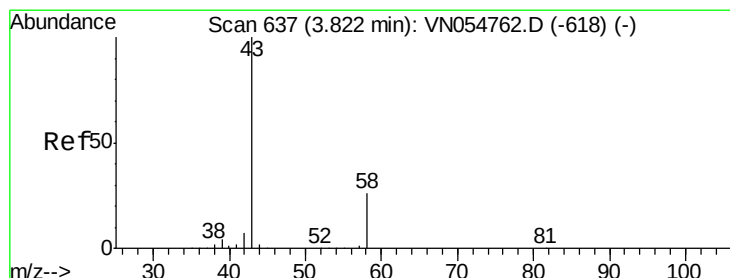
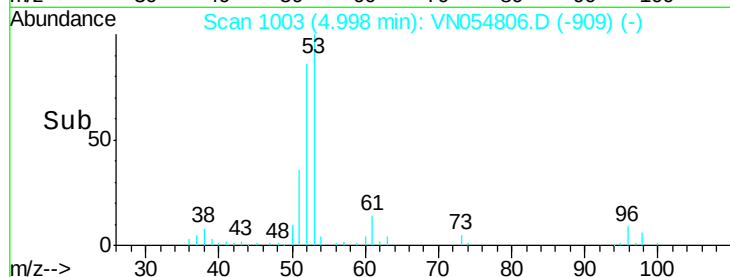
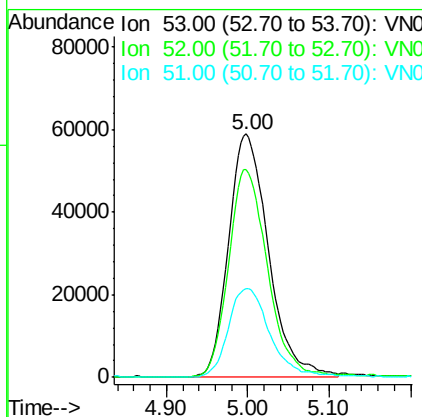
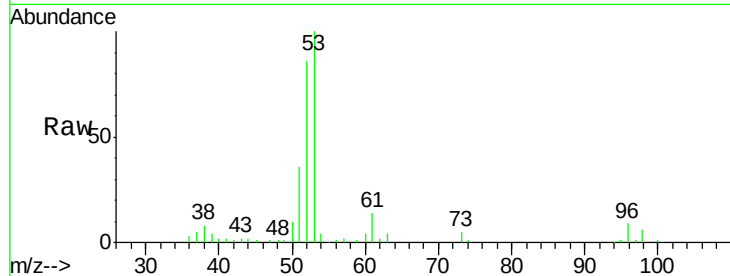
ClientSampleId :

VN0330WBS01

Tot Ion:	53	Resp:	201646
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.4	99.6
51	37.9	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 110.493 ug/l

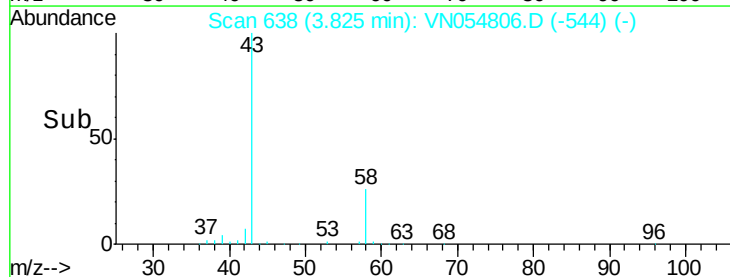
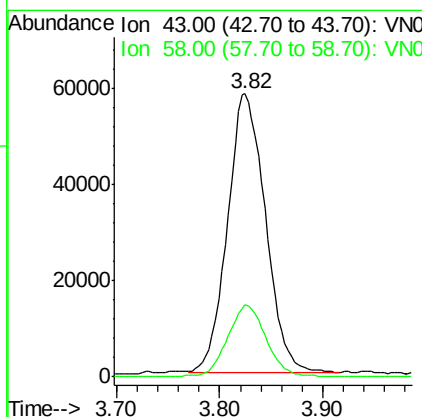
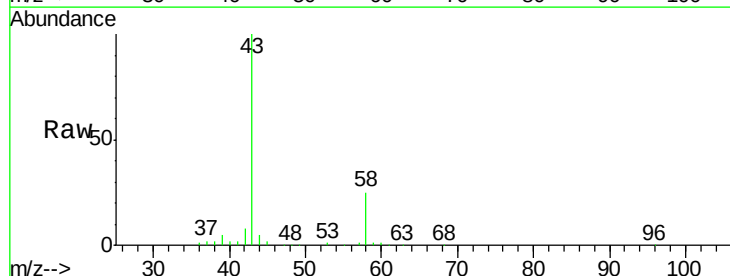
RT: 3.82 min Scan# 638

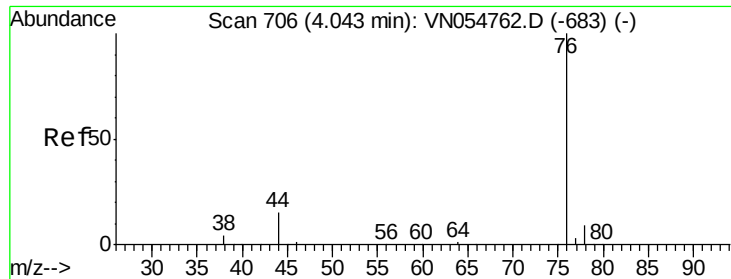
Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Tgt Ion:	43	Resp:	147805
Ion Ratio		Lower	Upper
43	100		
58	25.6	29.9	44.9#





#17

Carbon Disulfide

Concen: 17.114 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS01

Tot Ion: 76 Resp: 181569

Ion Ratio Lower Upper

76 100

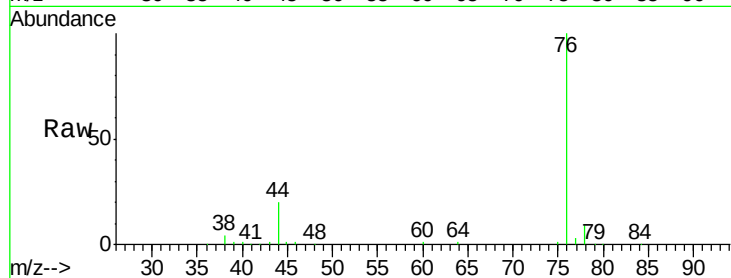
78 9.1 7.5 11.3

Manual Integrations

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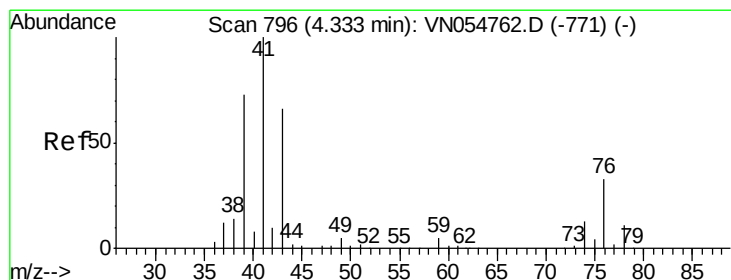
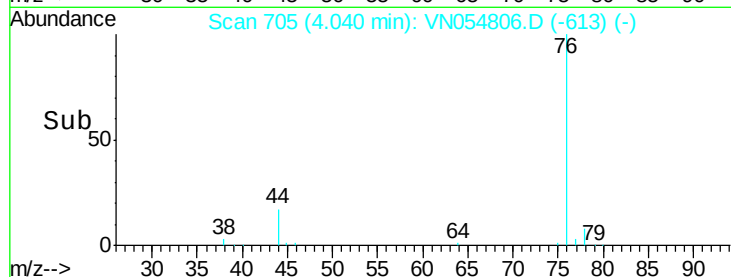
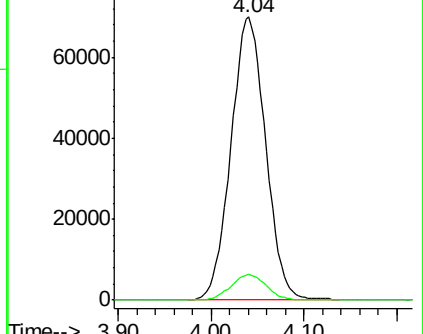
MMDadoda

4/1/2019 1:32:38 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 25.796 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054806.D

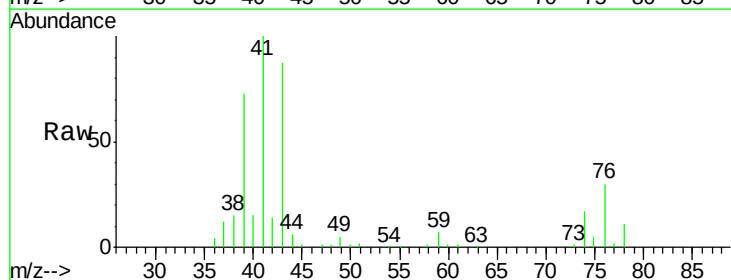
Acq: 30 Mar 2019 16:52

Tgt Ion: 43 Resp: 91431

Ion Ratio Lower Upper

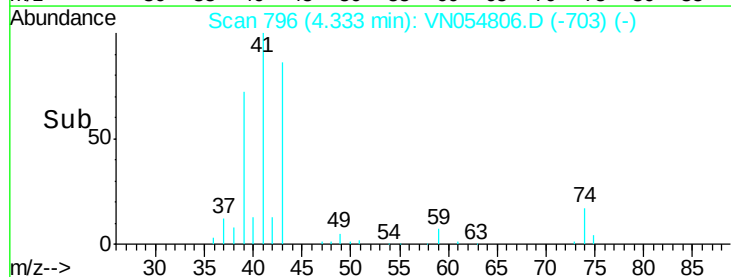
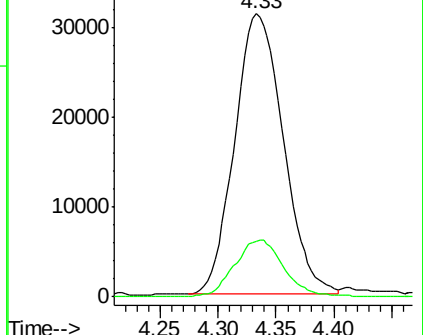
43 100

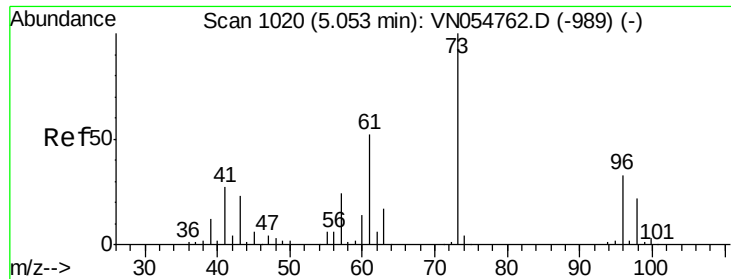
74 20.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





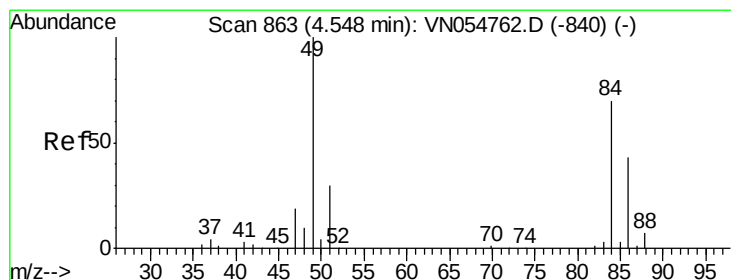
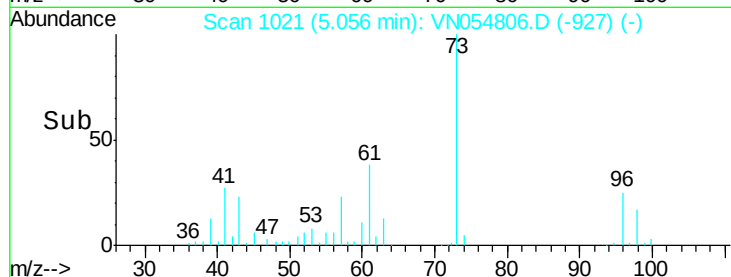
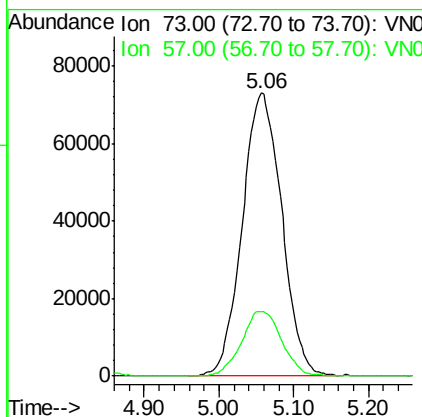
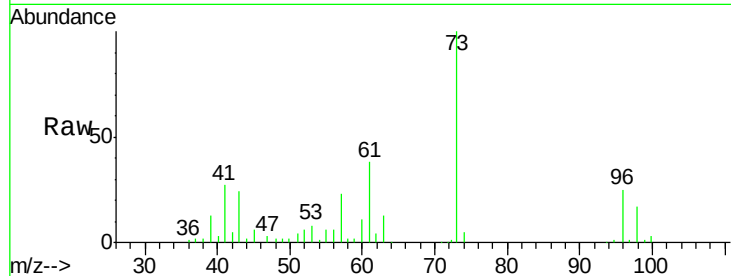
#19
Methyl tert-butyl Ether
Concen: 23.471 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion: 73 Resp: 268564
Ion Ratio Lower Upper
73 100
57 22.6 16.8 25.2

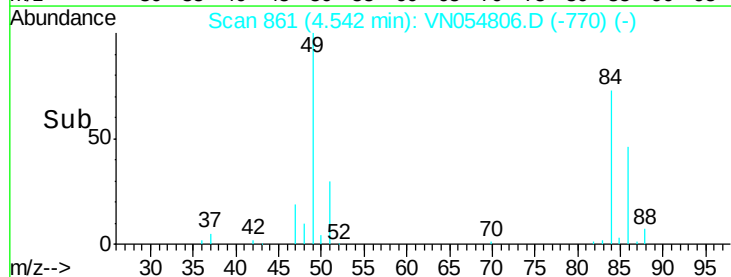
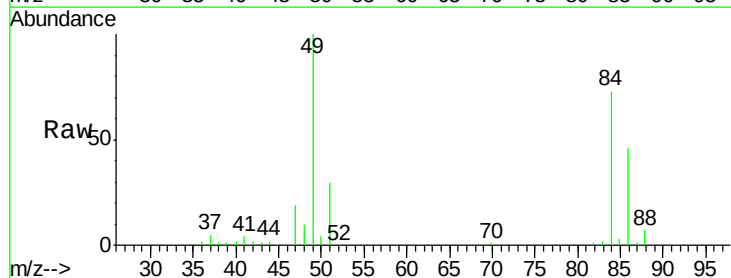
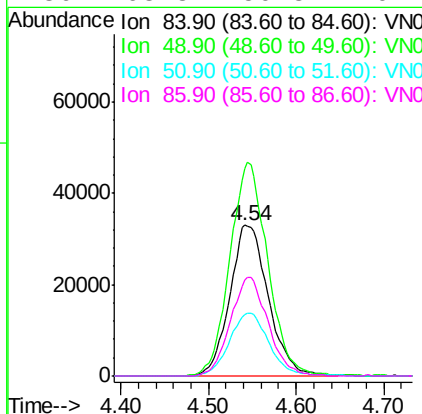
Manual Integrations
APPROVED

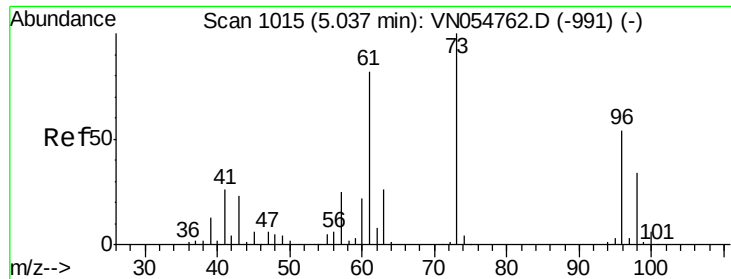
MMDadoda
4/1/2019 1:32:38 PM



#20
Methylene Chloride
Concen: 21.350 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 84 Resp: 100744
Ion Ratio Lower Upper
84 100
49 137.1 89.7 134.5#
51 40.9 28.2 42.4
86 63.8 50.8 76.2





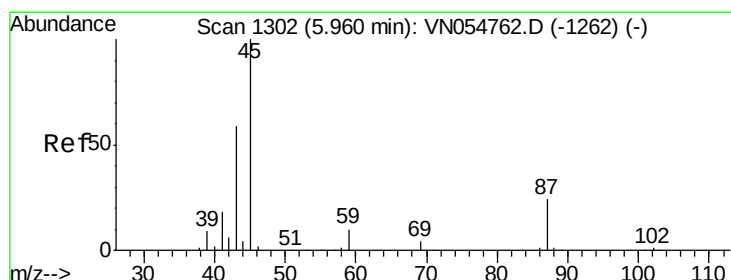
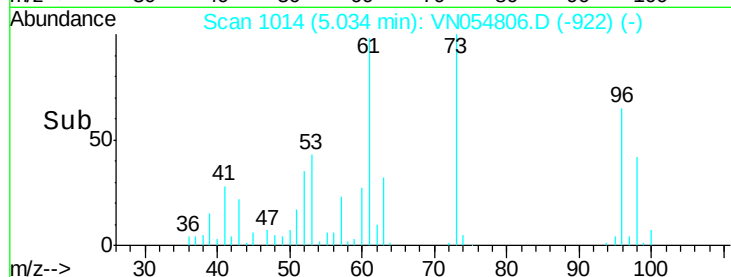
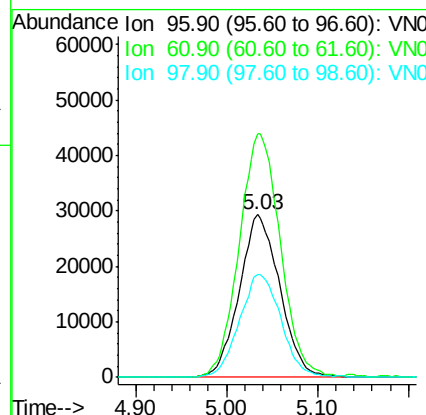
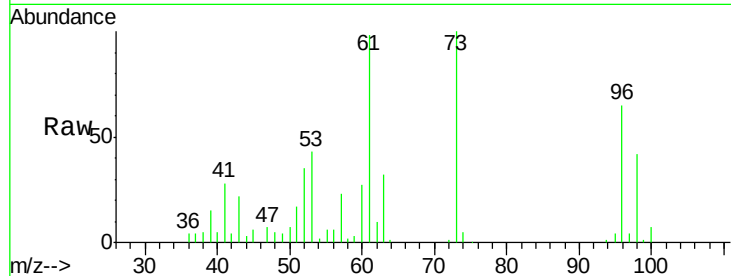
#21
trans-1,2-Dichloroethene
Concen: 21.095 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	102.8	154.2
98	63.4	50.0	75.0

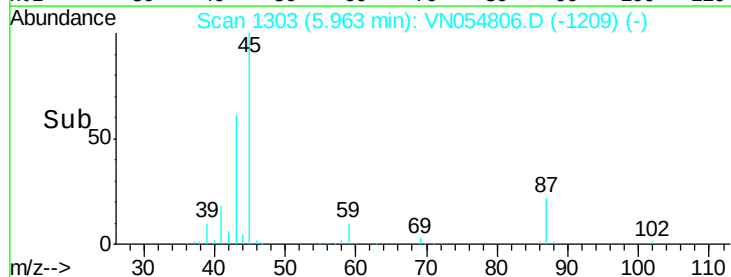
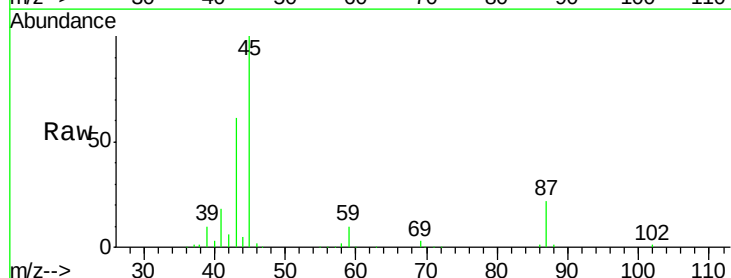
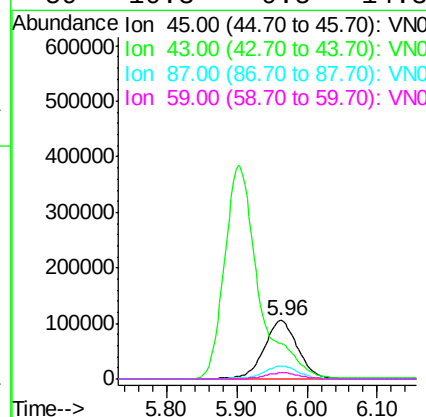
Manual Integrations
APPROVED

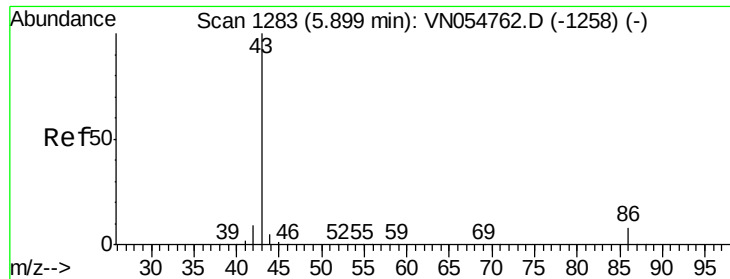
MMDadoda
4/1/2019 1:32:38 PM



#22
Diisopropyl ether
Concen: 22.083 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.2	72.2
87	22.0	24.9	37.3
59	10.3	9.5	14.3





#23

Vinyl Acetate

Concen: 117.445 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS01

Tot Ion: 43 Resp: 1302413

Ion Ratio Lower Upper

43 100

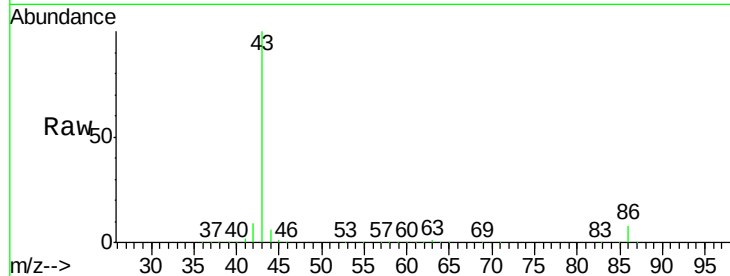
86 8.2 9.1 13.7#

Manual Integrations

APPROVED

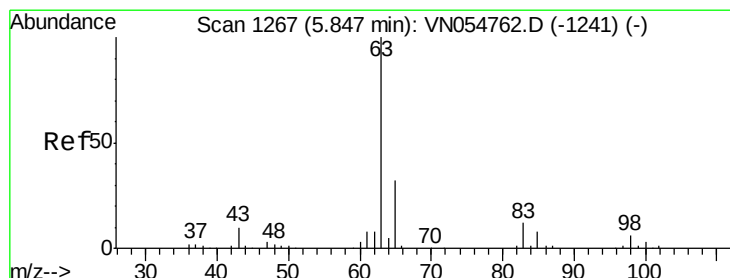
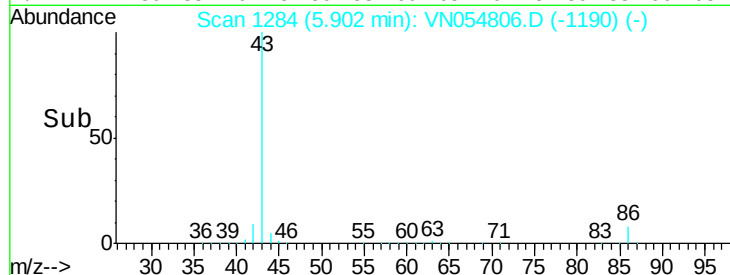
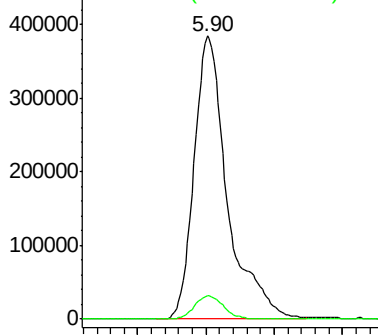
MMDadoda

4/1/2019 1:32:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.630 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

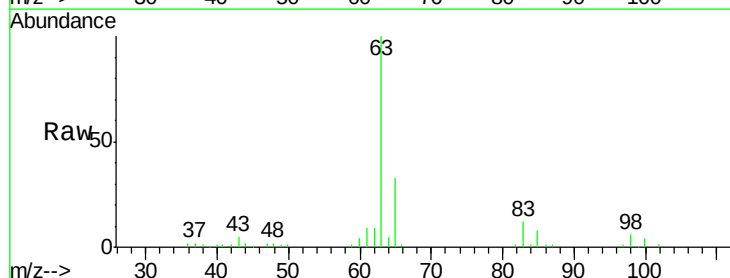
Tgt Ion: 63 Resp: 183871

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

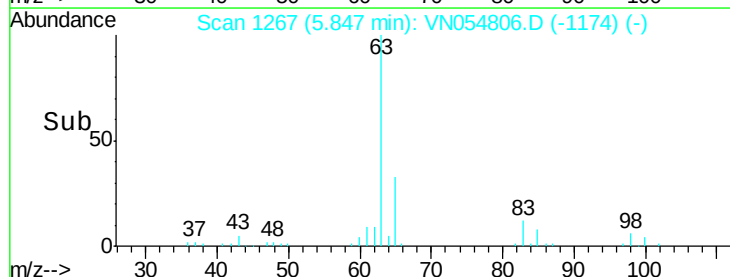
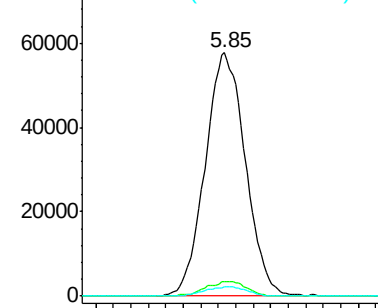
100 3.8 2.0 6.0

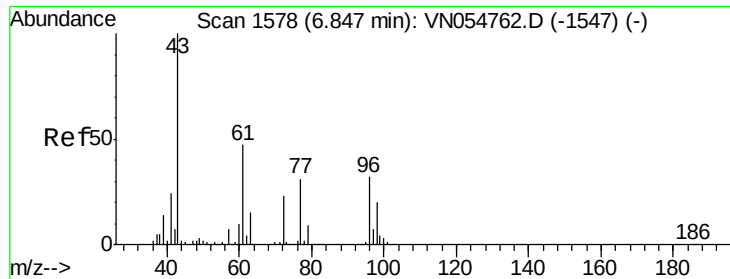


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 130.143 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

VN0330WBS01

Tot Ion: 43 Resp: 257341

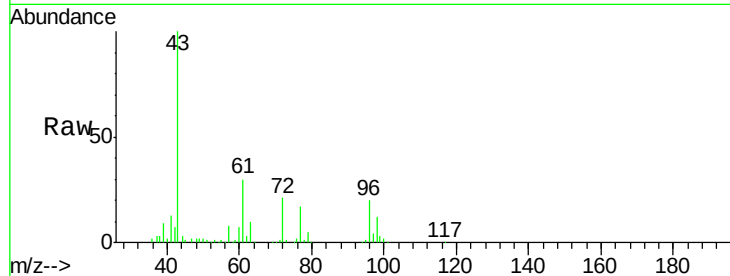
Ion Ratio Lower Upper

43 100

72 20.6 23.0 34.6#

Manual Integrations
APPROVED

MMDadoda
4/1/2019 1:32:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

100000

80000

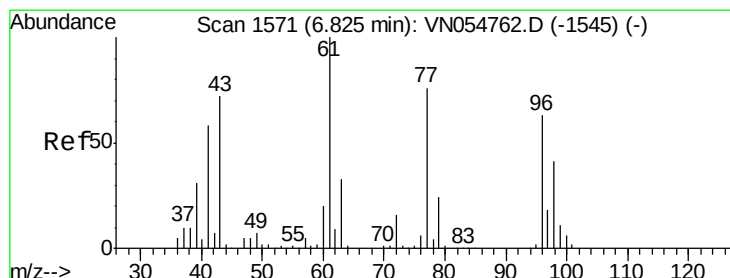
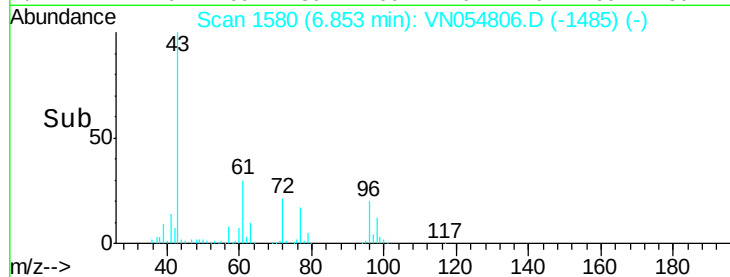
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 18.151 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054806.D

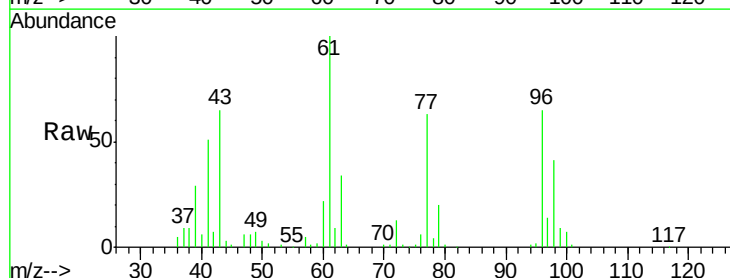
Acq: 30 Mar 2019 16:52

Tgt Ion: 77 Resp: 108146

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

40000

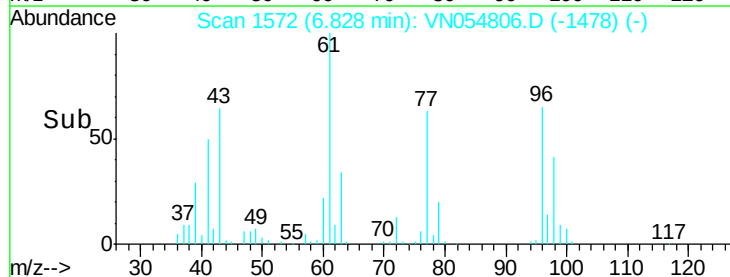
30000

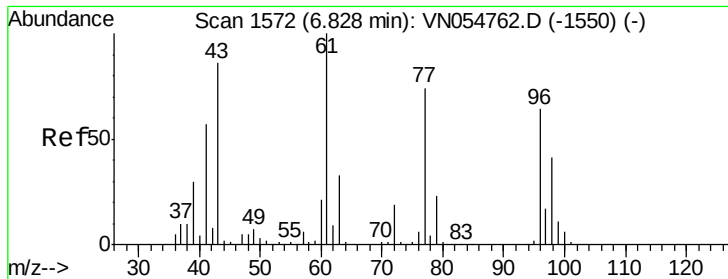
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.411 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

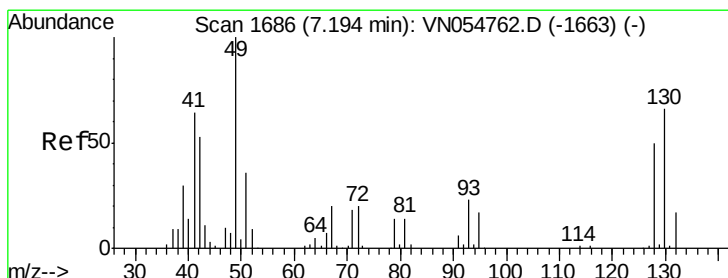
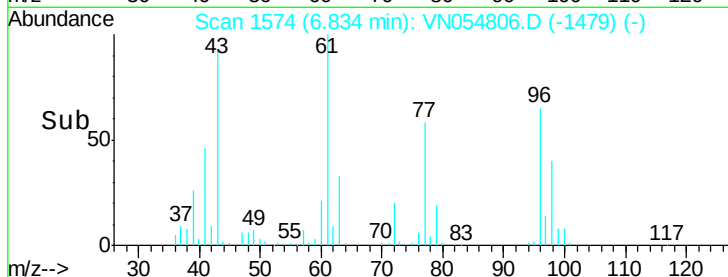
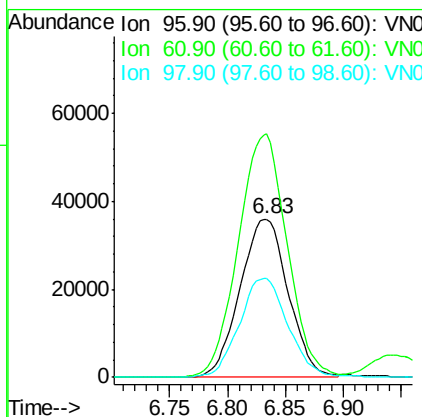
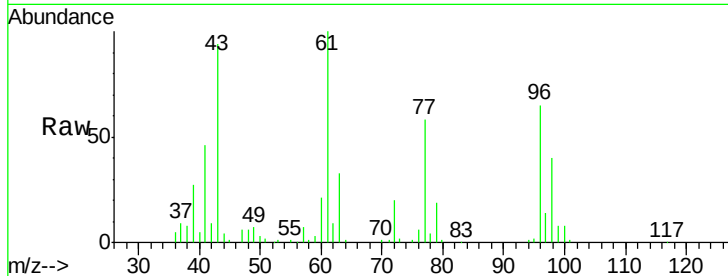
ClientSampleId :

VN0330WBS01

Tot Ion:	96	Resp:	103922
Ion Ratio	Lower	Upper	
96	100		
61	155.8	0.0	273.0
98	62.9	0.0	130.6

Manual Integrations
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MMDadoda
4/1/2019 1:32:38 PM



#28

Bromochloromethane

Concen: 24.854 ug/l

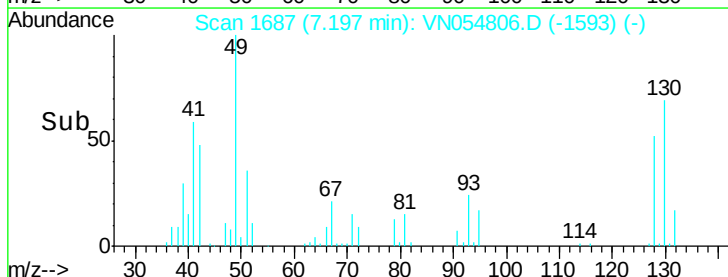
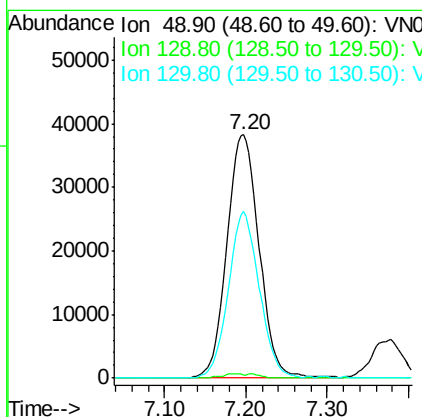
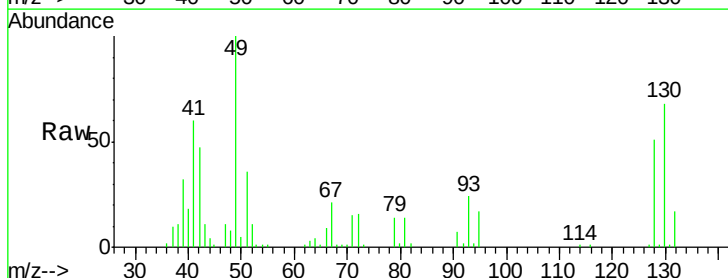
RT: 7.20 min Scan# 1687

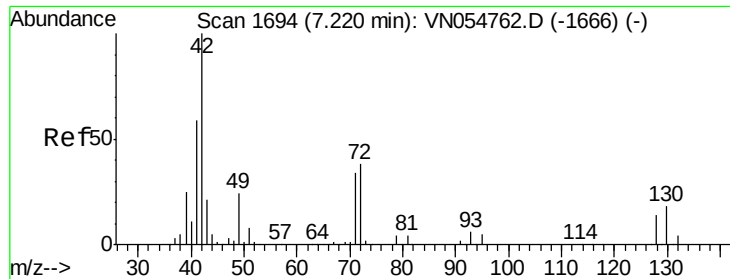
Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Tgt Ion:	49	Resp:	105643
Ion Ratio	Lower	Upper	
49	100		
129	0.7	0.0	4.6
130	65.5	76.7	115.1#





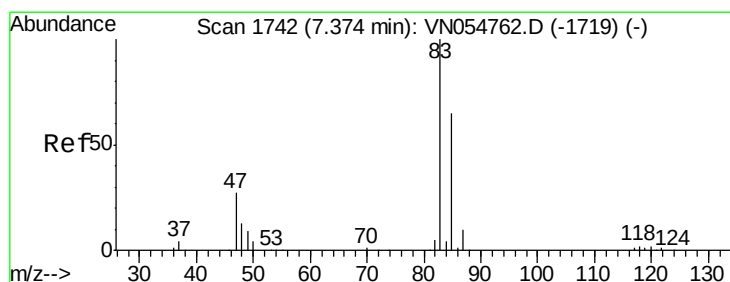
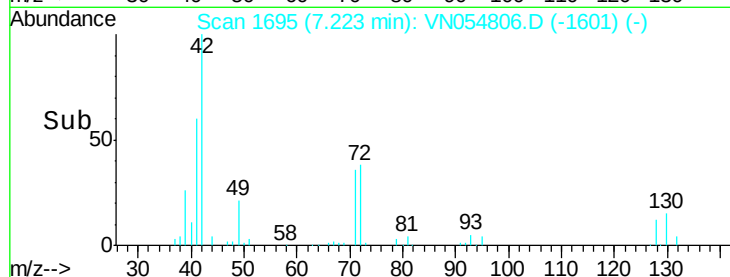
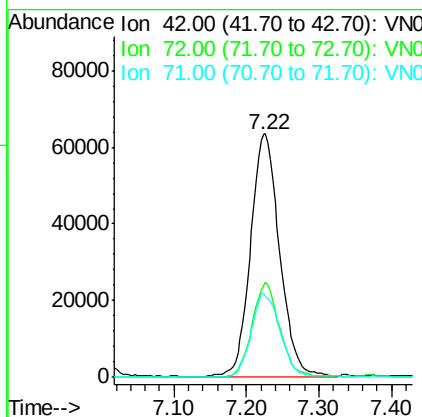
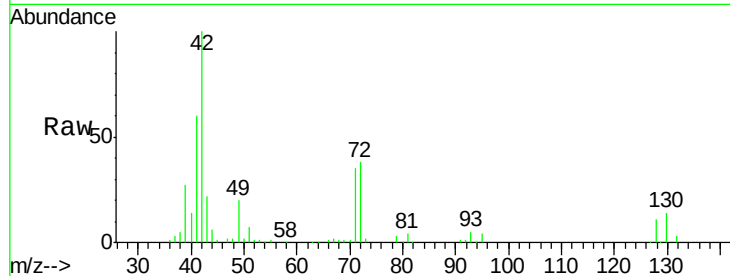
#29
Tetrahydrofuran
Concen: 130.144 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	37.8	56.6#
71	33.9	36.2	54.2#

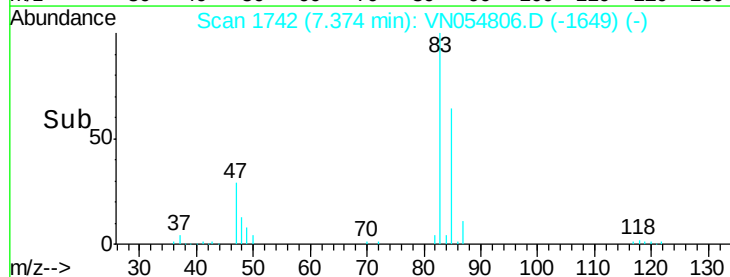
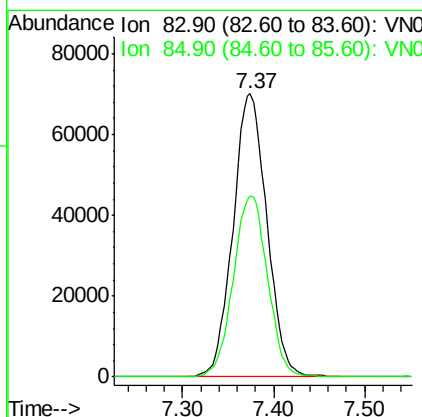
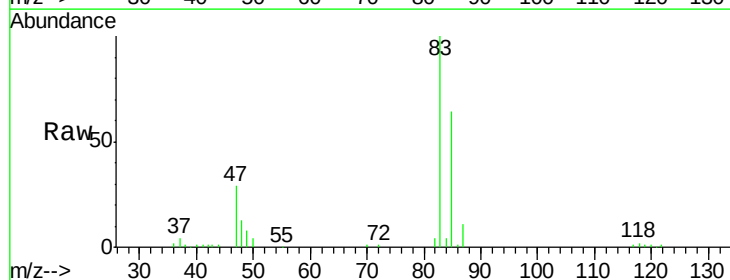
Manual Integrations
APPROVED

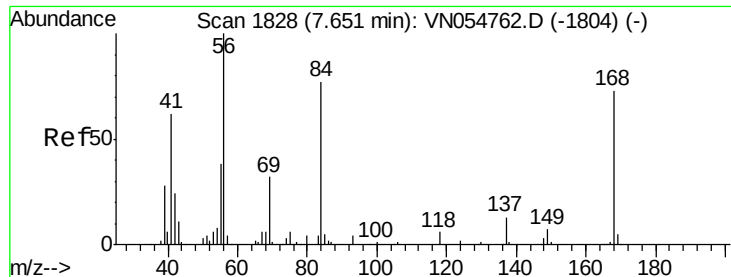
MMDadoda
4/1/2019 1:32:38 PM



#30
Chloroform
Concen: 22.334 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.4





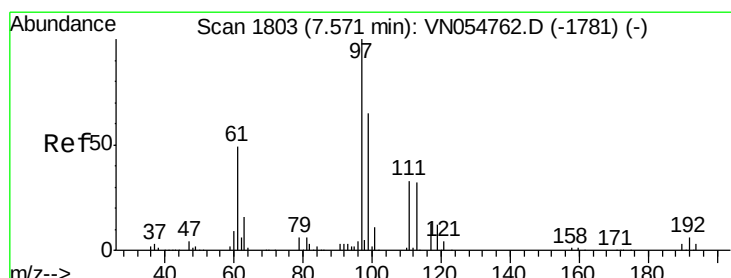
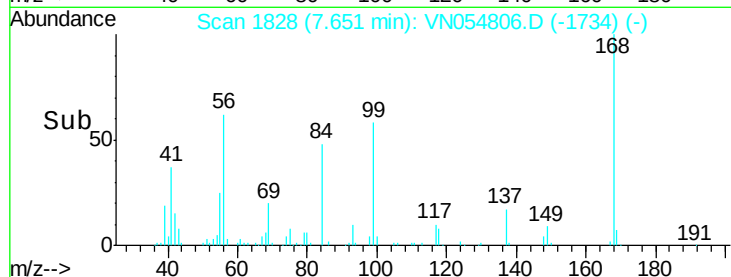
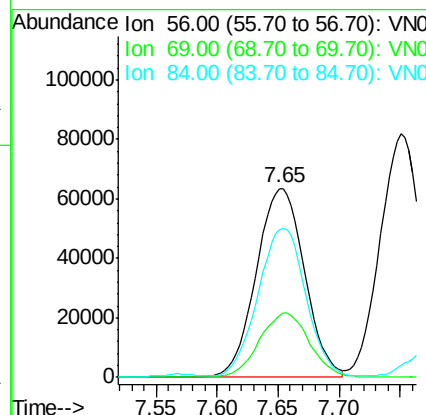
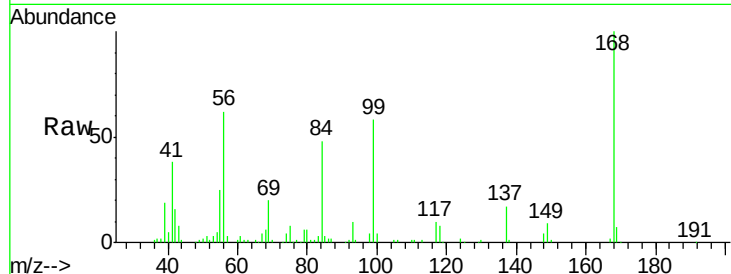
#31
Cyclohexane
Concen: 21.290 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampled :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	27.8	41.6
84	76.8	74.6	111.8

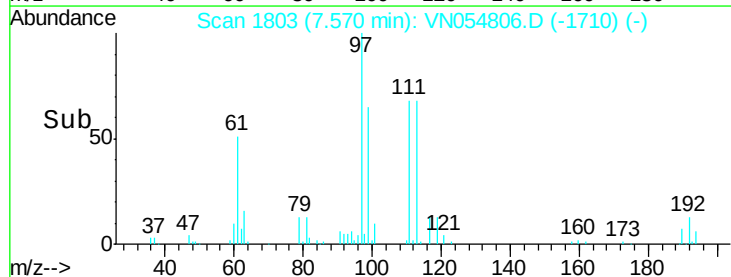
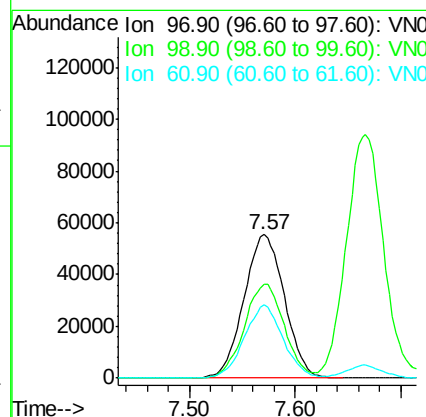
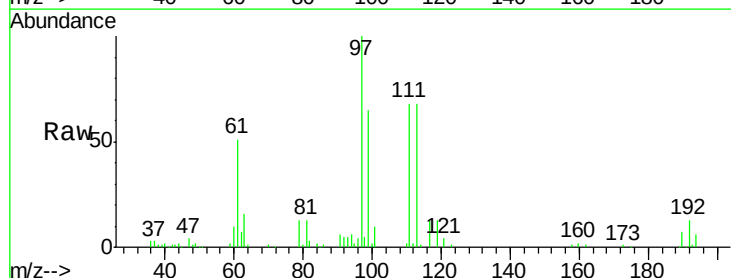
Manual Integrations
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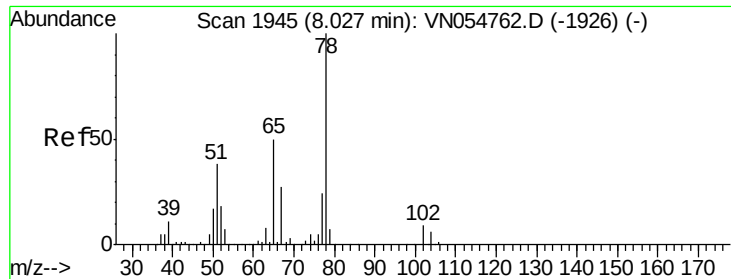
MMDadoda
4/1/2019 1:32:38 PM



#32
1,1,1-Trichloroethane
Concen: 22.050 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.5	77.3
61	48.9	33.6	50.4





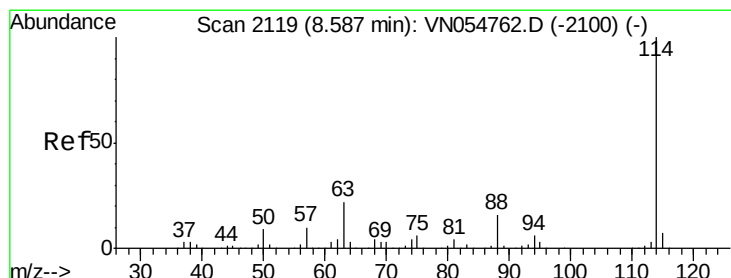
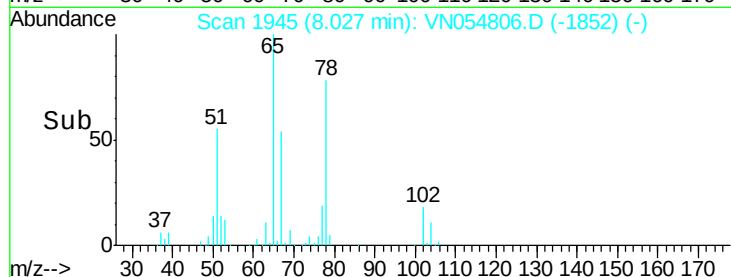
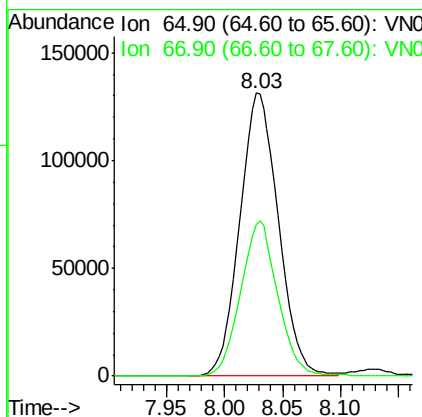
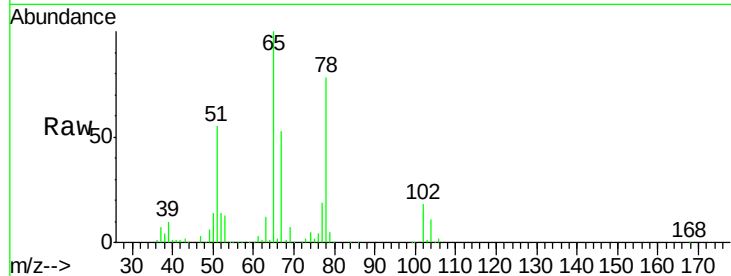
#33
 1,2-Dichloroethane-d4
 Concen: 54.311 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	104.6	

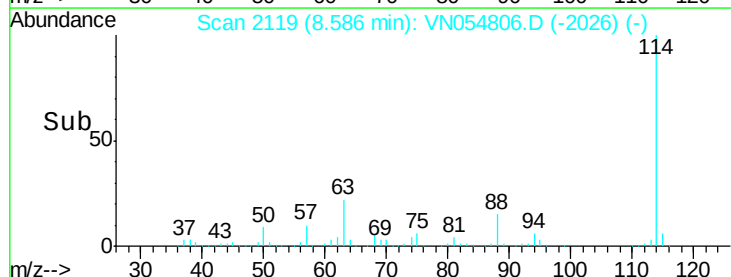
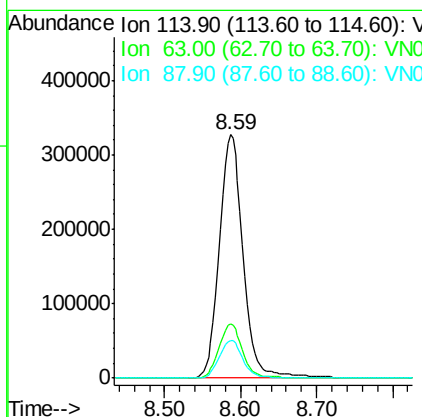
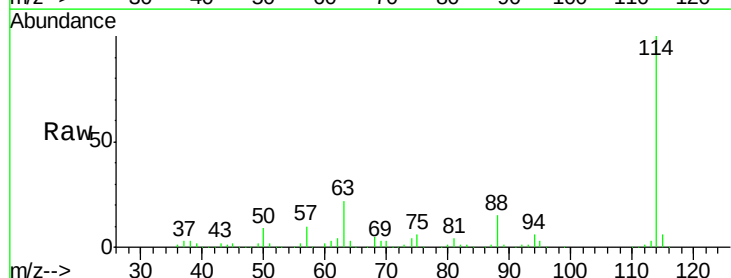
Manual Integrations
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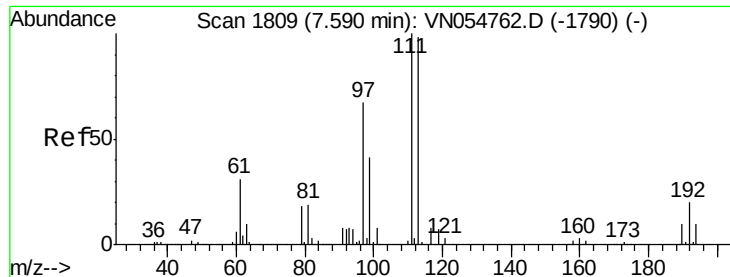
MMDadoda
 4/1/2019 1:32:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.4	0.0	35.2	
88	15.4	0.0	30.2	





#35

Dibromofluoromethane

Concen: 49.703 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

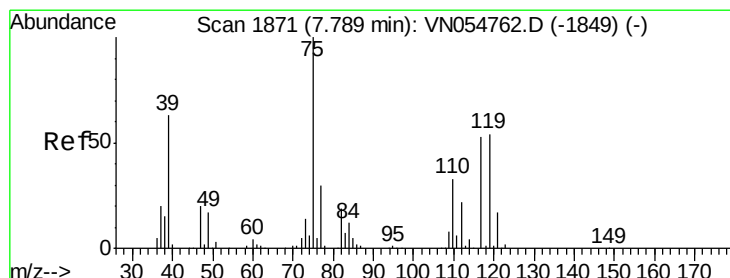
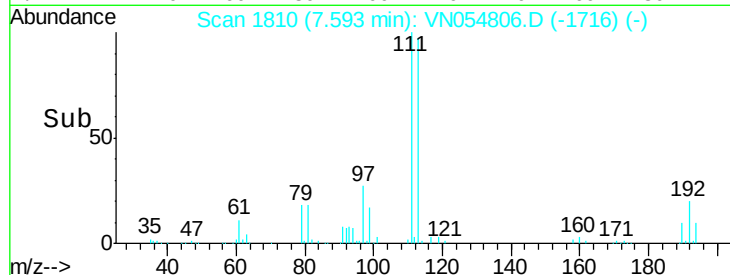
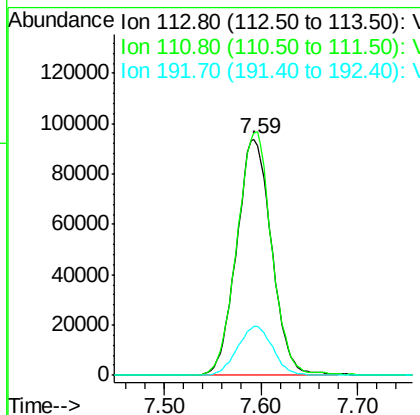
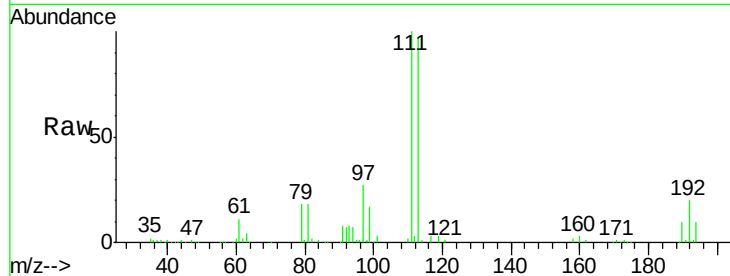
ClientSampleId :

VN0330WBS01

Tot Ion:	113	Resp:	236005
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	20.8	19.2	28.8

Manual Integrations
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MMDadoda
4/1/2019 1:32:38 PM



#36

1,1-Dichloropropene

Concen: 19.766 ug/l

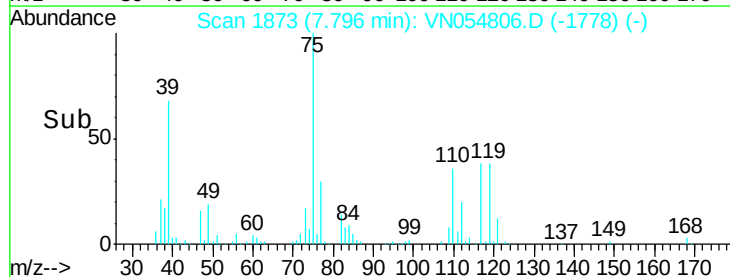
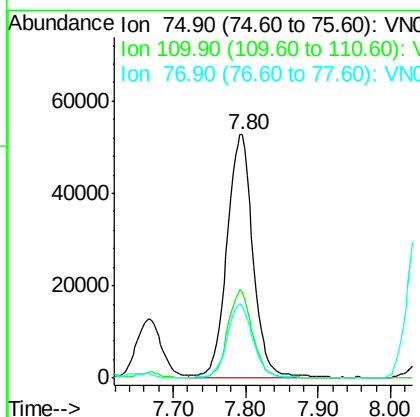
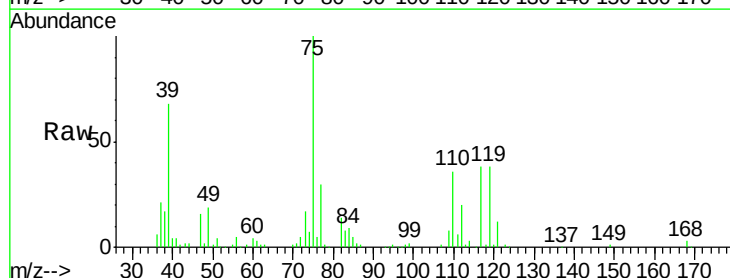
RT: 7.80 min Scan# 1873

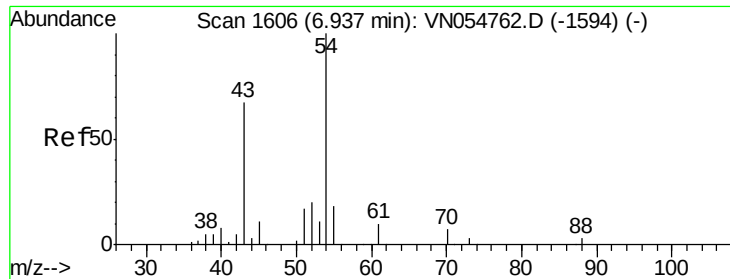
Delta R.T. 0.01 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Tgt Ion:	75	Resp:	131175
Ion	Ratio	Lower	Upper
75	100		
110	34.3	19.1	57.5
77	30.8	25.0	37.4





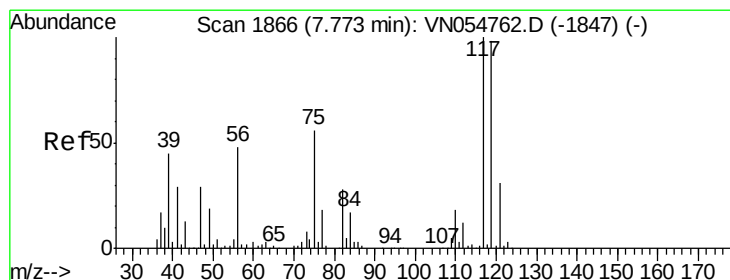
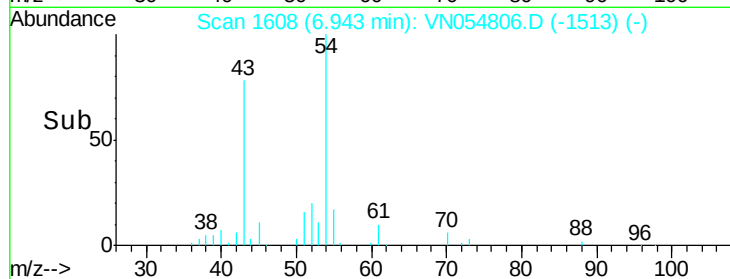
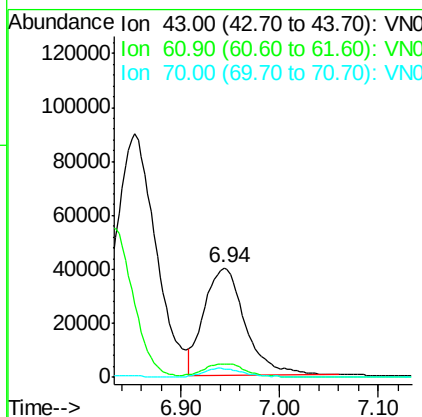
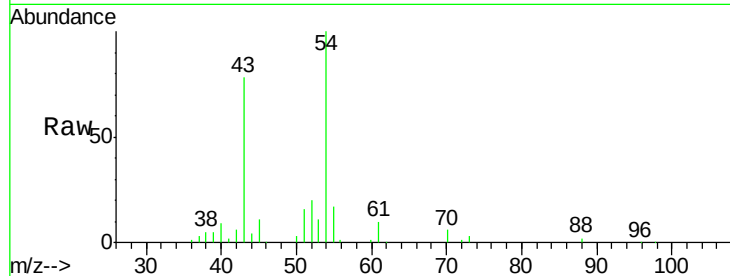
#37
Ethyl Acetate
Concen: 23.922 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.8	17.6
70	8.2	8.4	12.6

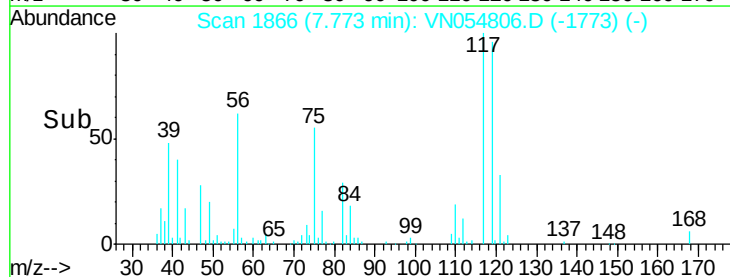
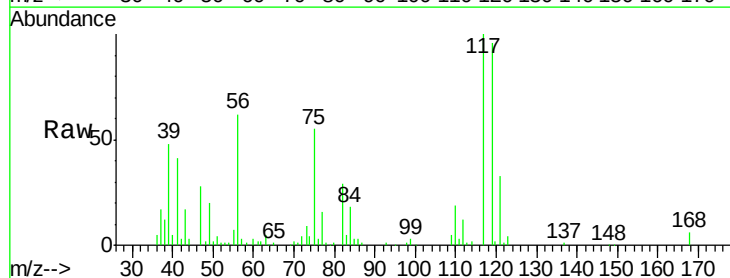
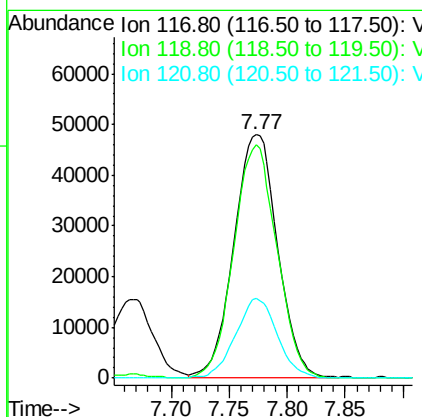
Manual Integrations
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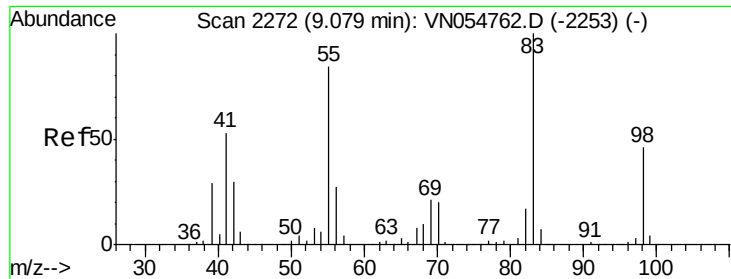
MMDadoda
4/1/2019 1:32:38 PM



#38
Carbon Tetrachloride
Concen: 19.391 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.3	114.5
121	33.1	24.6	36.8





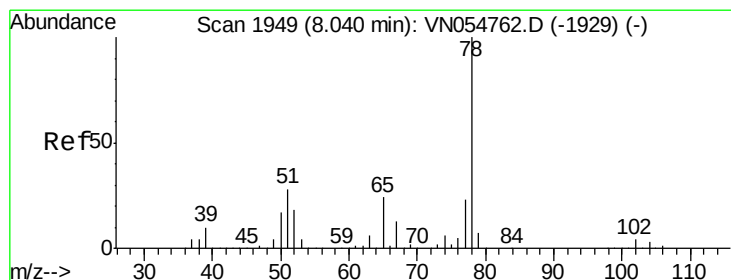
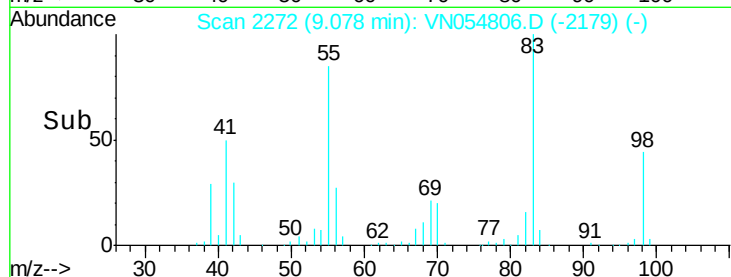
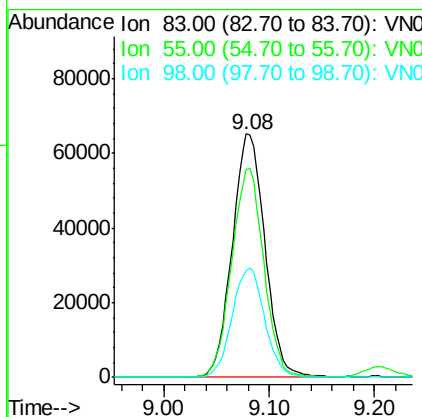
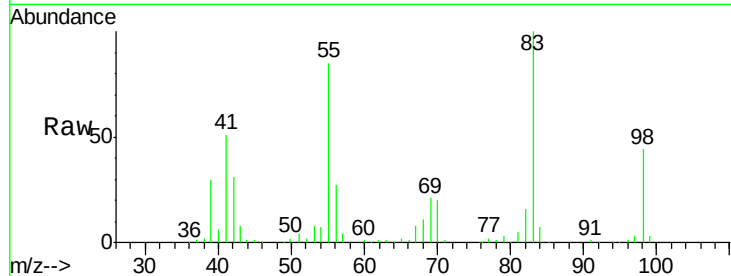
#39
Methylvlcyclohexane
Concen: 19.225 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	83	Resp	140264
Ion Ratio	Lower	Upper	
83	100		
55	85.4	56.6	84.8#
98	44.0	38.4	57.6

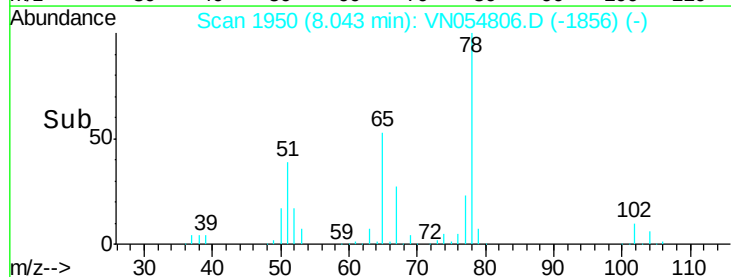
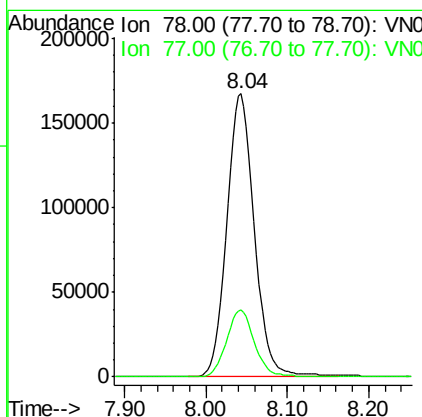
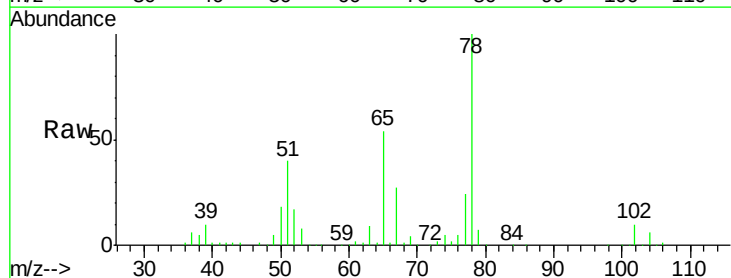
Manual Integrations
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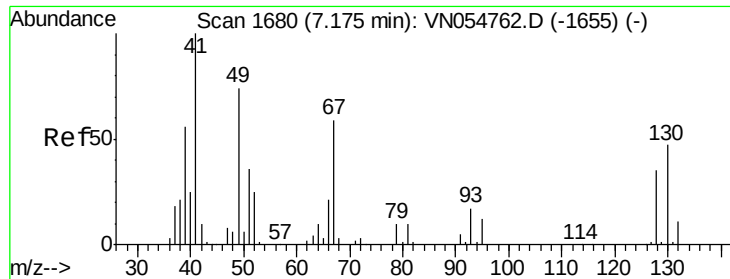
MMDadoda
4/1/2019 1:32:38 PM



#40
Benzene
Concen: 20.948 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	78	Resp	397785
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.1	28.7





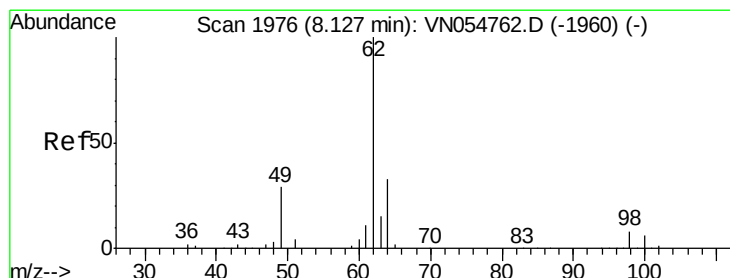
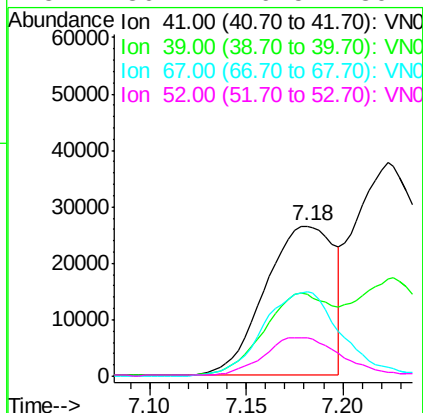
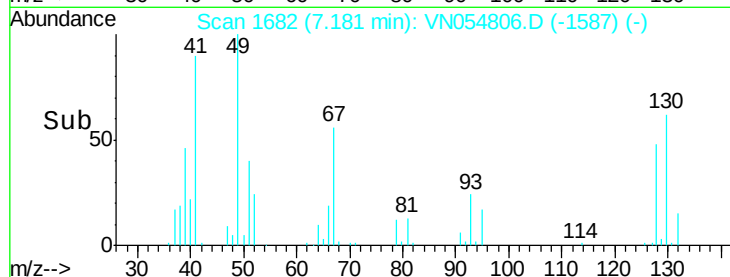
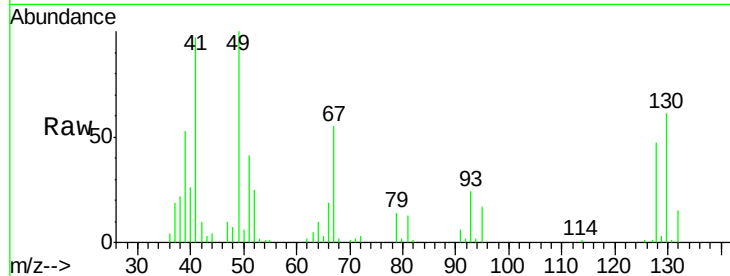
#41
Methacrylonitrile
Concen: 24.023 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	46.8	70.2	
67	64.5	67.0	100.4	
52	30.2	26.5	39.7	

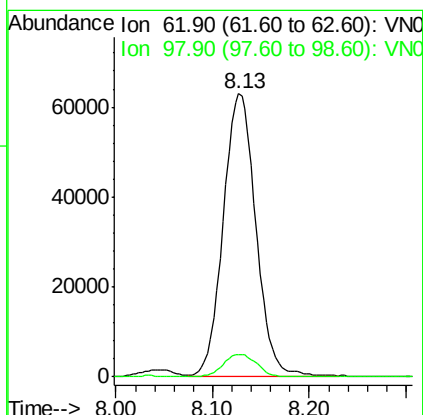
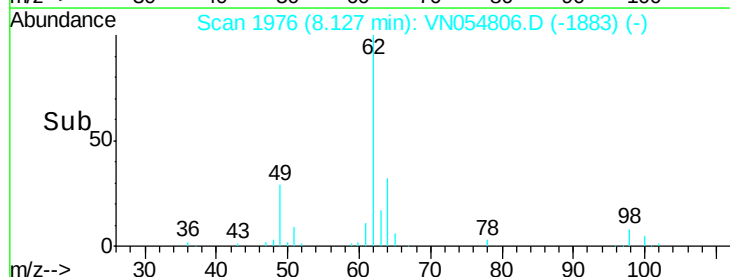
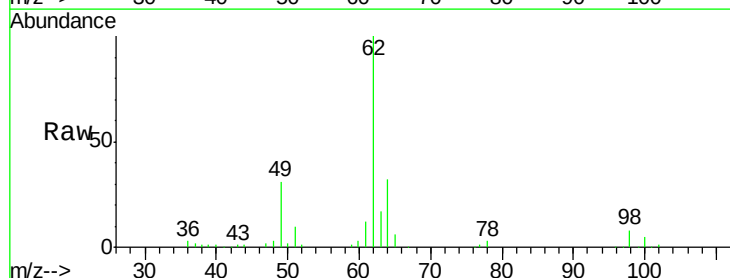
Manual Integrations
APPROVED

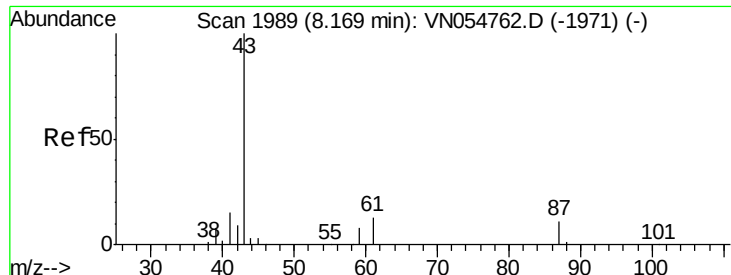
MMDadoda
4/1/2019 1:32:38 PM



#42
1,2-Dichloroethane
Concen: 21.644 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	18.4	





#43

Isopropyl Acetate

Concen: 23.831 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

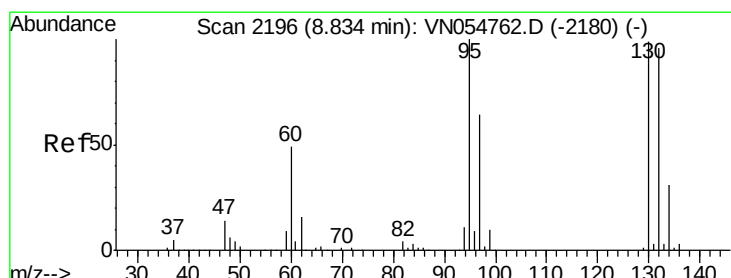
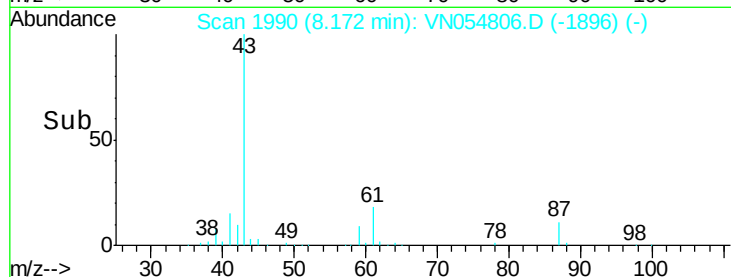
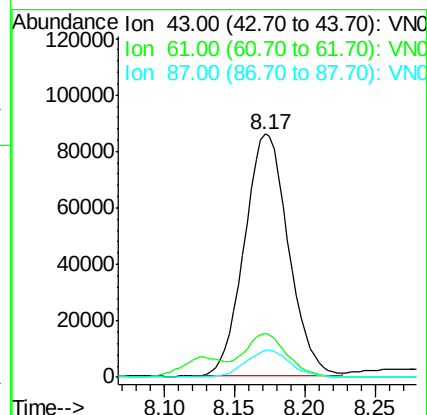
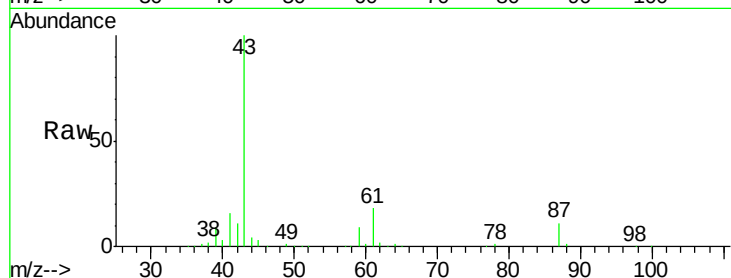
ClientSampleId :

VN0330WBS01

Tot Ion:	43	Resp:	188452
Ion Ratio	Lower	Upper	
43	100		
61	17.6	15.8	23.8
87	11.4	12.0	18.0#

Manual Integrations
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MMDadoda
4/1/2019 1:32:38 PM



#44

Trichloroethene

Concen: 20.379 ug/l

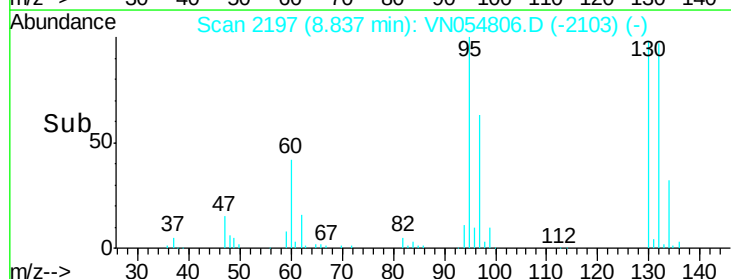
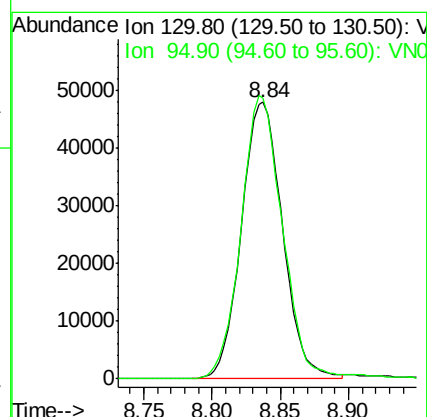
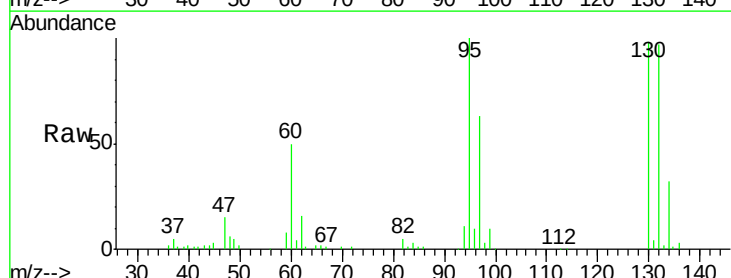
RT: 8.84 min Scan# 2197

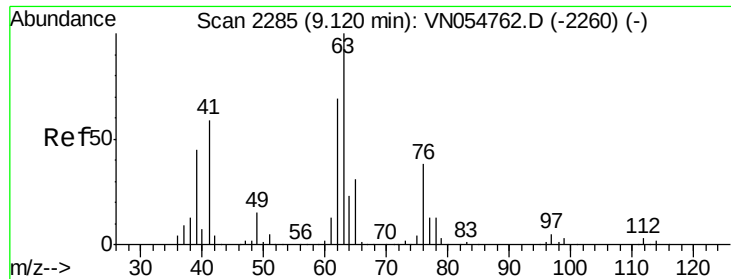
Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Tgt Ion:	130	Resp:	100457
Ion Ratio	Lower	Upper	
130	100		
95	101.6	0.0	185.2





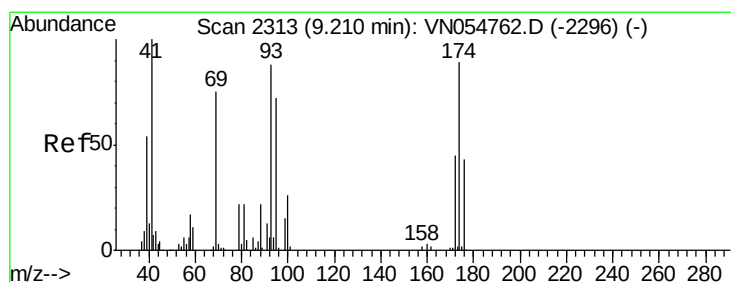
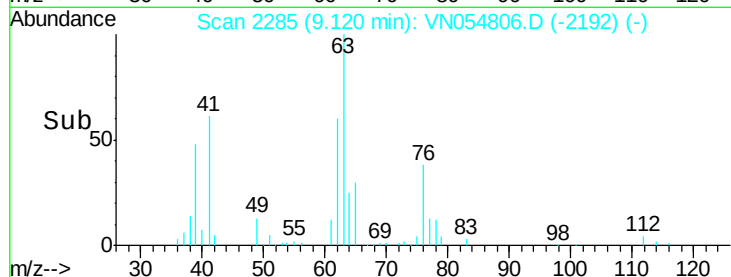
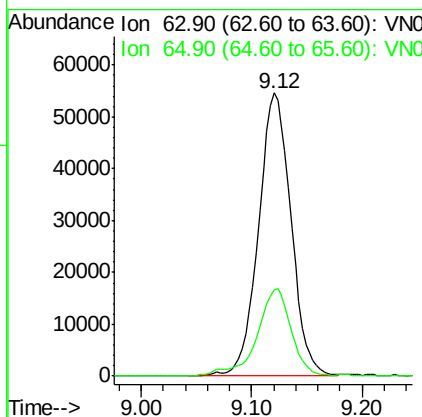
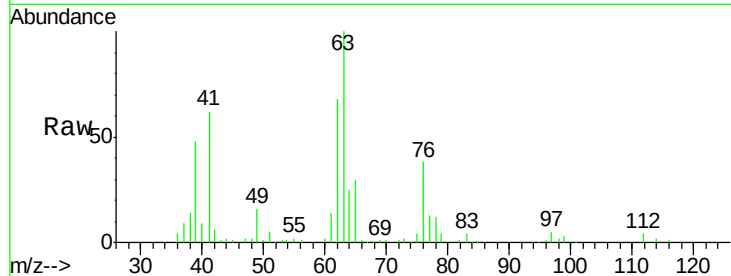
#45
 1,2-Dichloropropane
 Concen: 20.652 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Tot Ion: 63 Resp: 111823
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

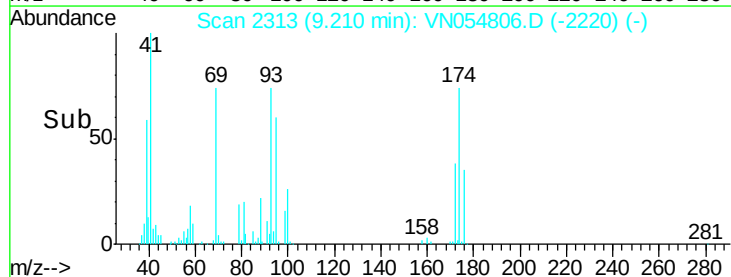
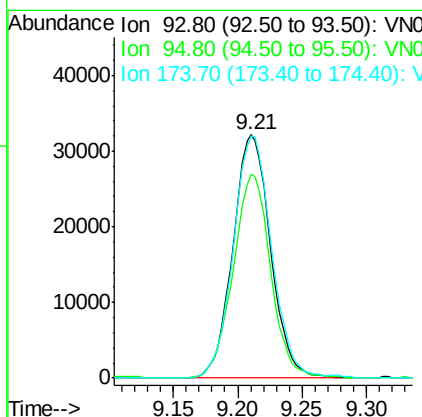
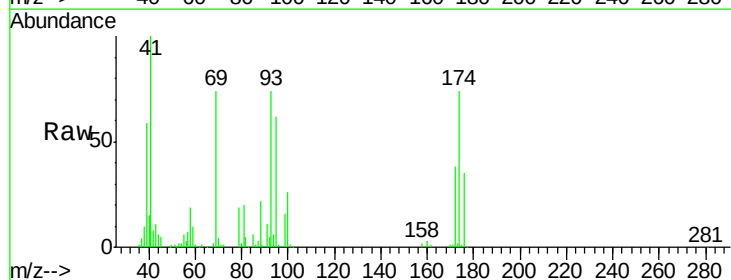
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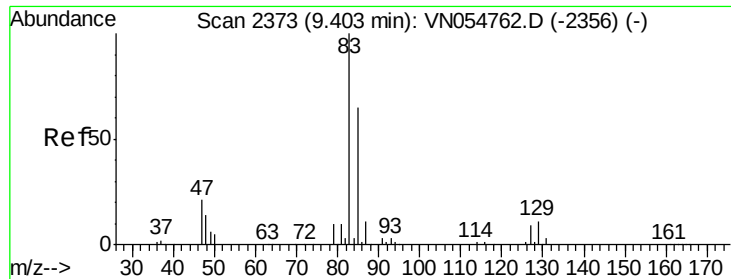
MMDadoda
 4/1/2019 1:32:38 PM



#46
 Dibromomethane
 Concen: 21.363 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion: 93 Resp: 65071
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 101.6 98.5 147.7





#47

Bromodichloromethane

Concen: 20.813 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

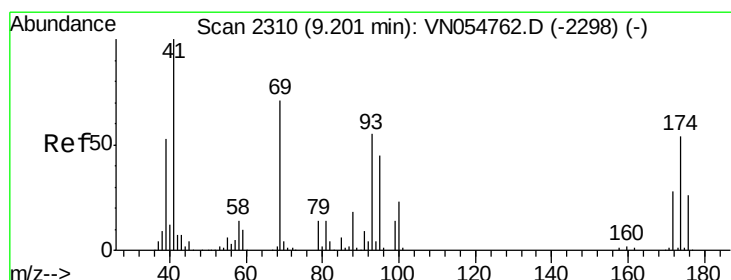
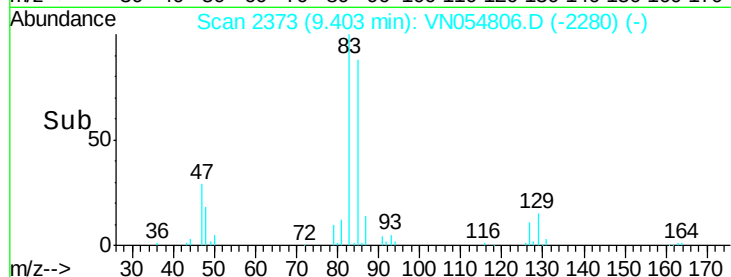
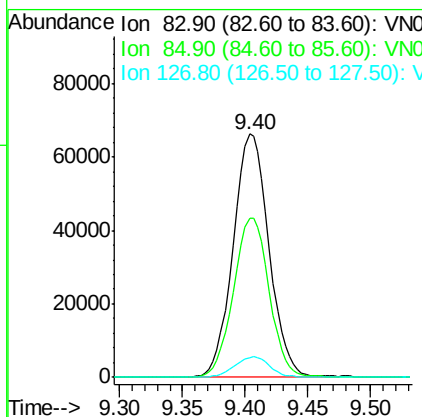
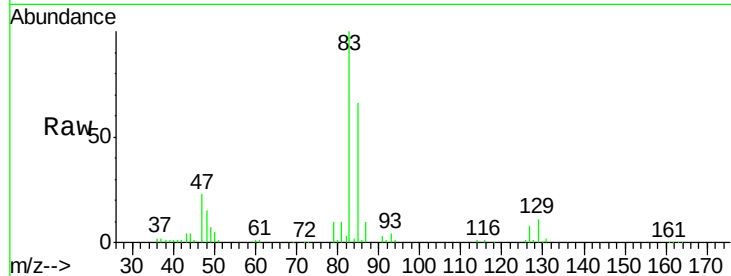
ClientSampleId :

VN0330WBS01

Tot Ion:	83	Resp:	131753
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.8	79.2
127	8.0	7.4	11.2

Manual Integrations
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4/1/2019 1:32:38 PM



#48

Methyl methacrylate

Concen: 22.333 ug/l

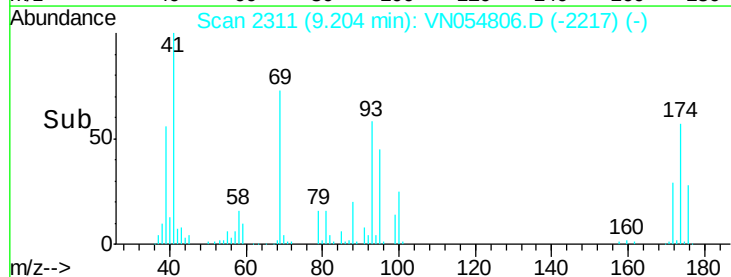
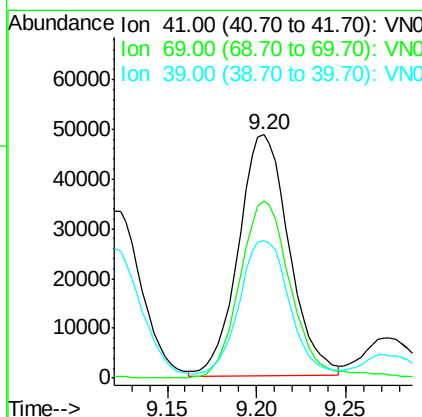
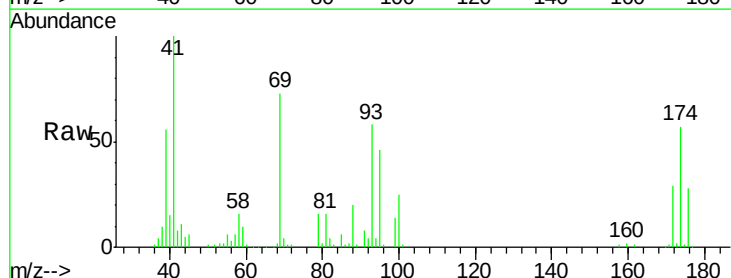
RT: 9.20 min Scan# 2311

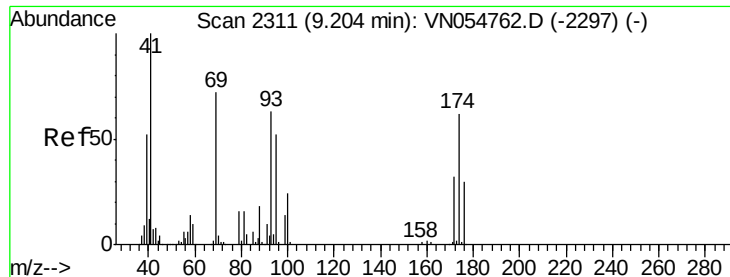
Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Tgt Ion:	41	Resp:	95731
Ion	Ratio	Lower	Upper
41	100		
69	75.0	72.6	108.8
39	56.8	47.5	71.3





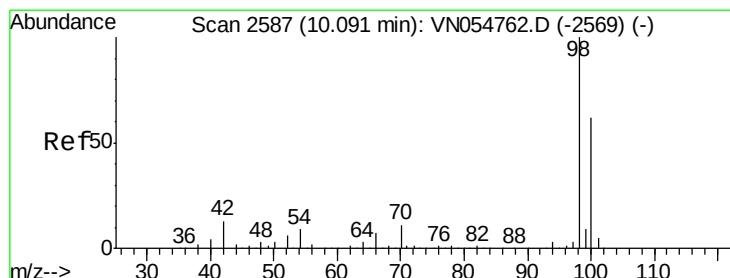
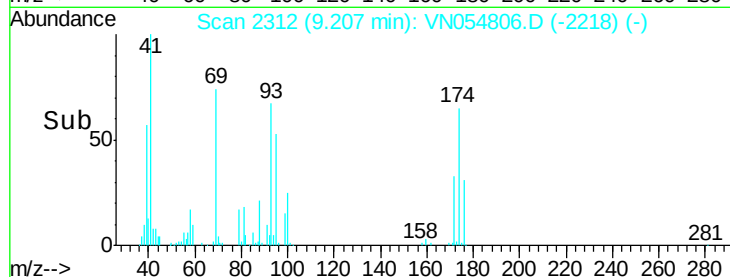
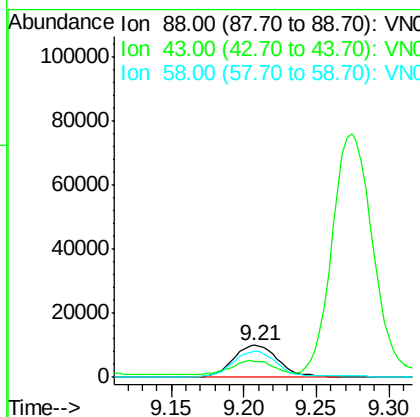
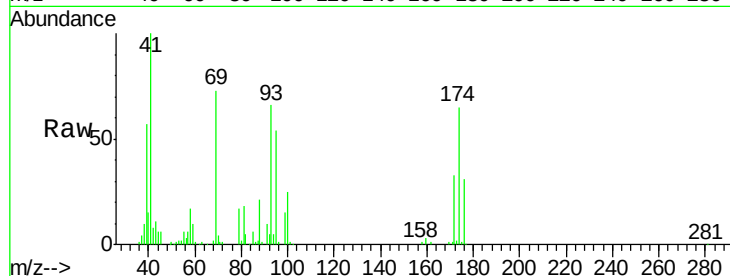
#49
1,4-Dioxane
Concen: 512.528 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion: 88 Resp: 21799
Ion Ratio Lower Upper
88 100
43 40.1 24.1 36.1#
58 79.9 50.8 76.2#

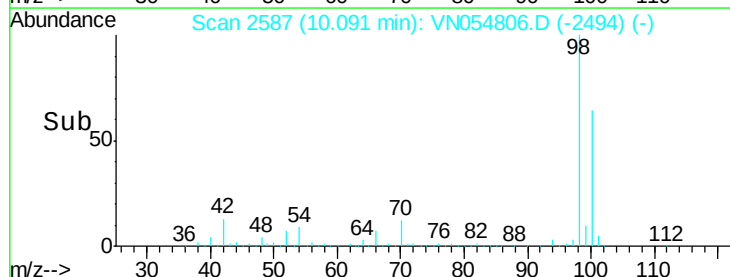
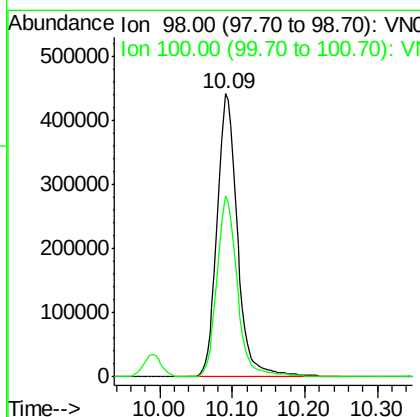
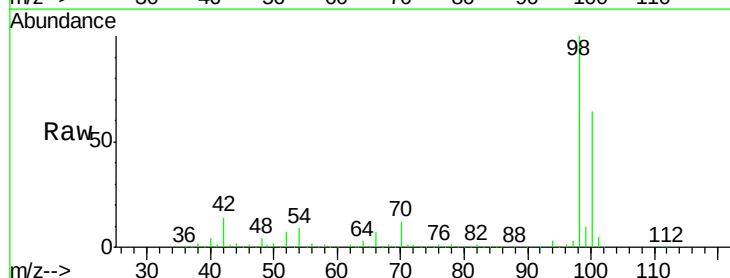
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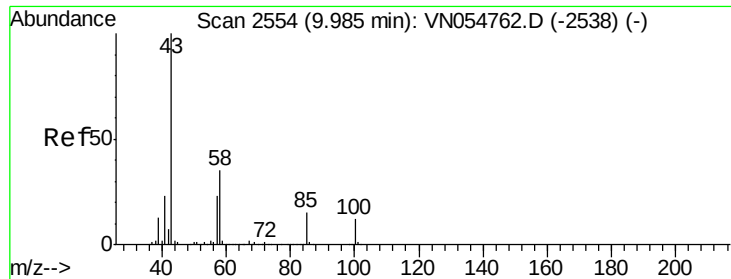
MMDadoda
4/1/2019 1:32:38 PM



#50
Toluene-d8
Concen: 48.928 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 98 Resp: 863730
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8





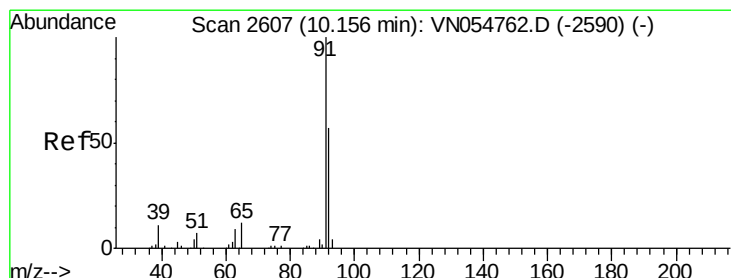
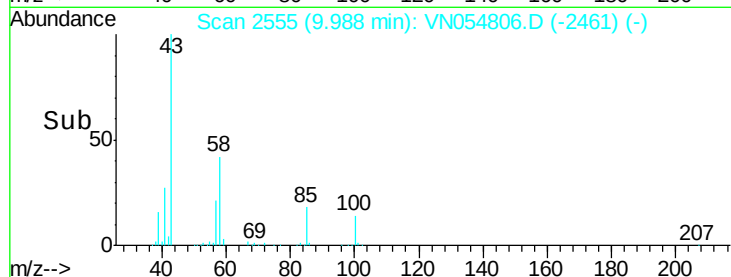
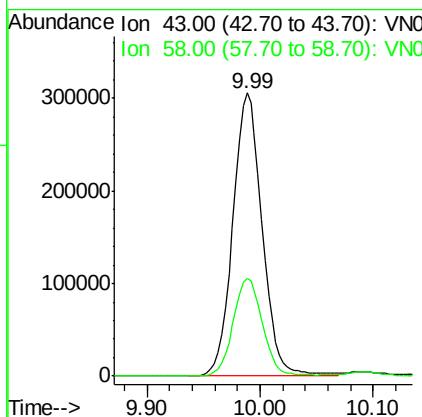
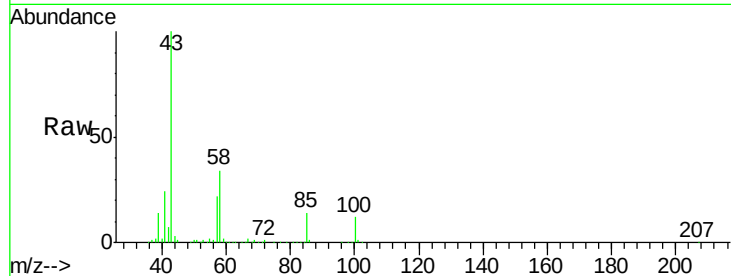
#51
 4-Methyl-2-Pentanone
 Concen: 123.311 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.7	31.8	47.6

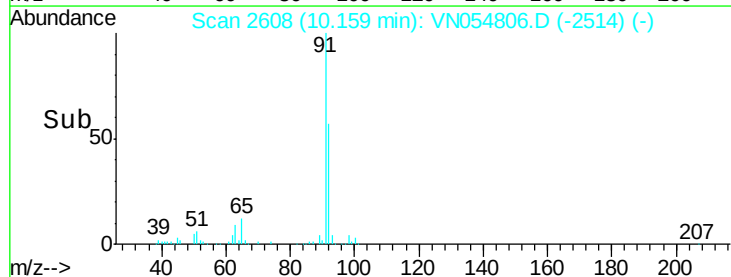
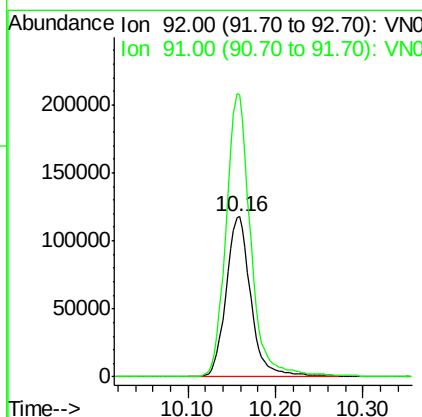
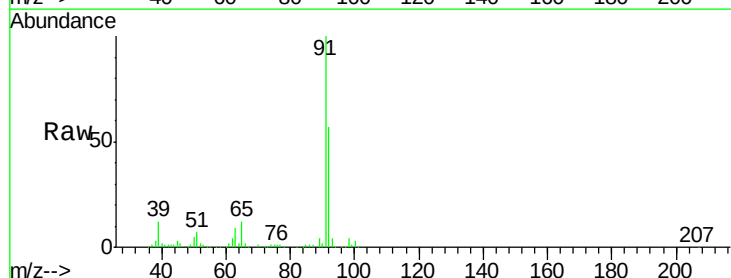
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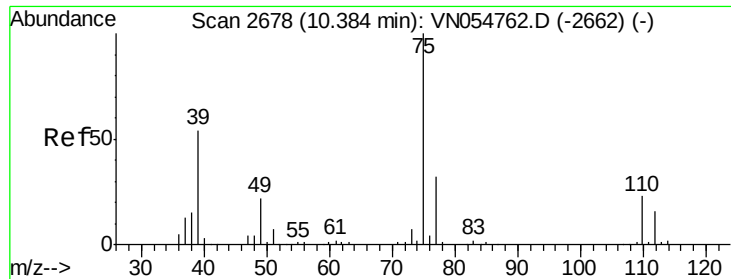
MMDadoda
 4/1/2019 1:32:38 PM



#52
 Toluene
 Concen: 20.559 ug/l
 RT: 10.16 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.9	140.7	211.1





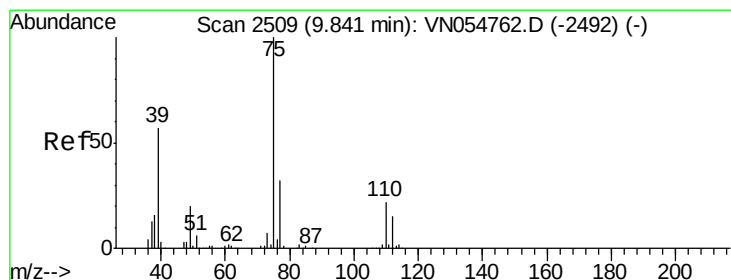
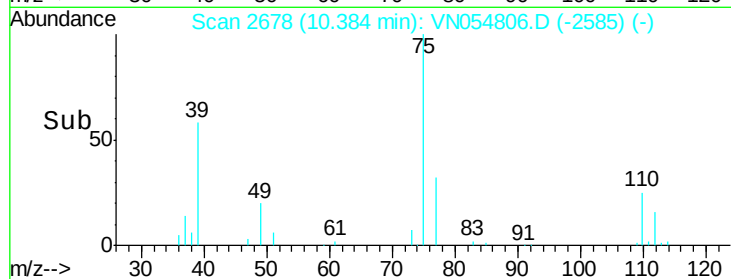
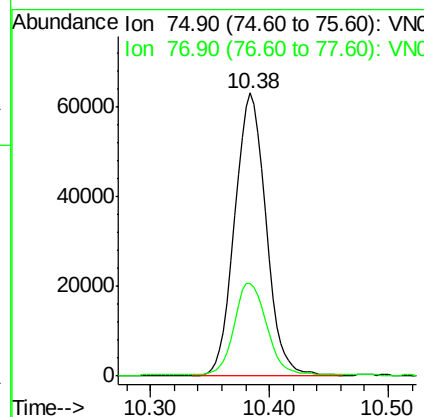
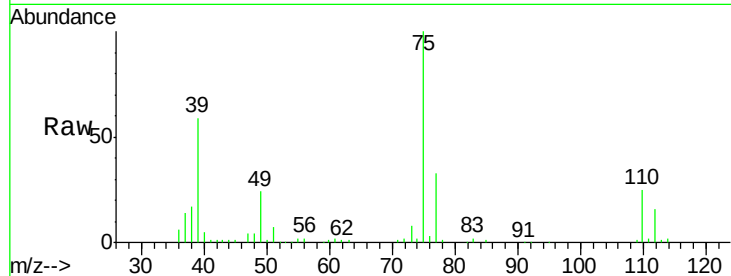
#53
 t-1,3-Dichloropropene
 Concen: 19.426 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Tot Ion: 75 Resp: 115677
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8

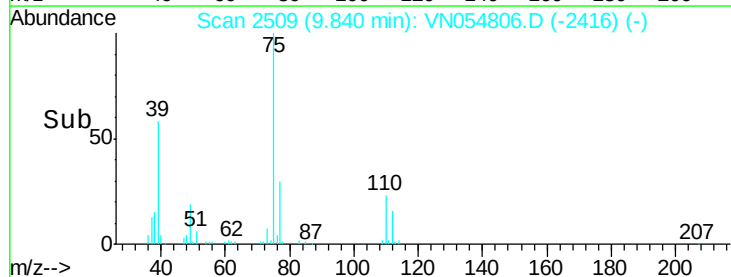
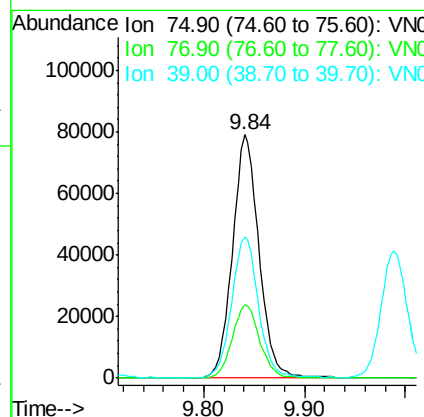
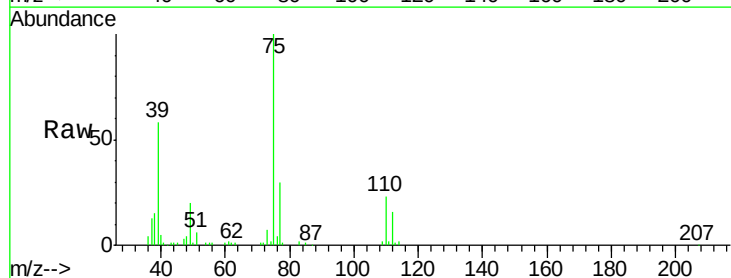
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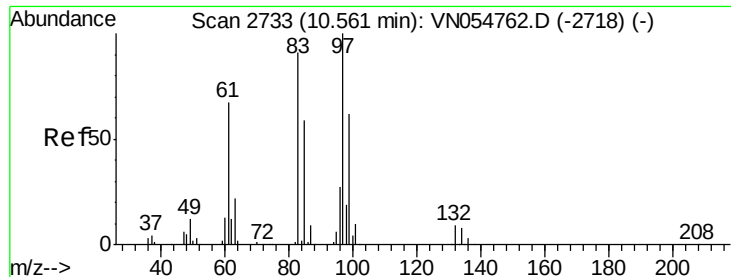
MMDadoda
 4/1/2019 1:32:38 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.389 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion: 75 Resp: 145033
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.4 38.0
 39 57.9 37.2 55.8#





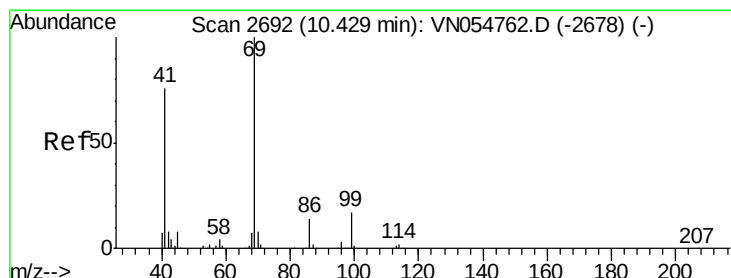
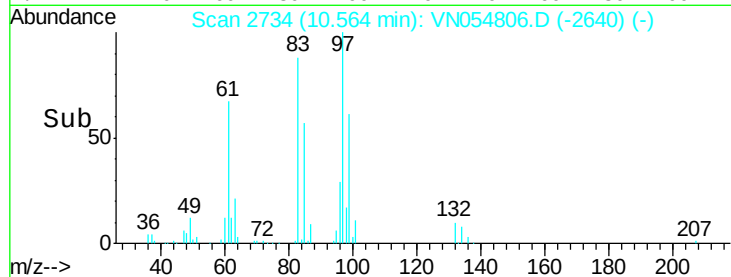
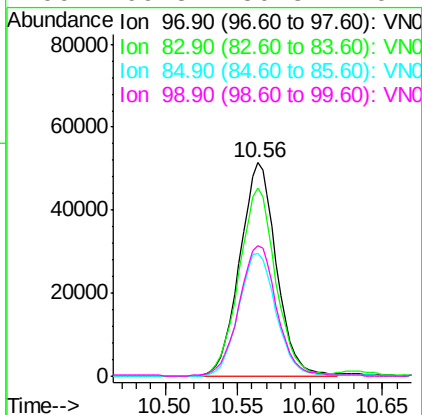
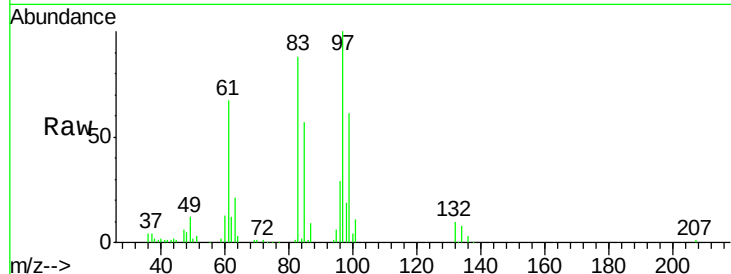
#55
 1,1,2-Trichloroethane
 Concen: 21.530 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Tot Ion:	97	Resp:	90459
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.6	100.0
85	57.4	44.4	66.6
99	60.8	50.8	76.2

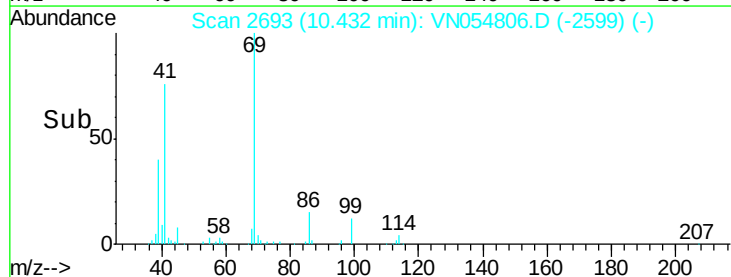
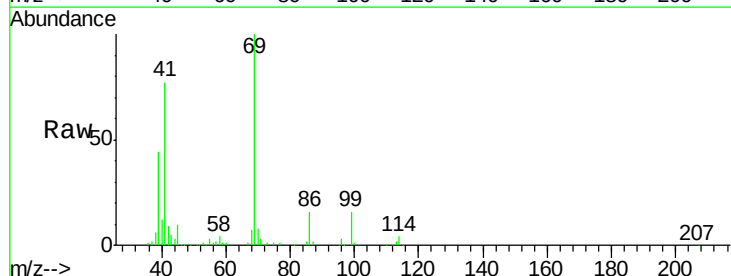
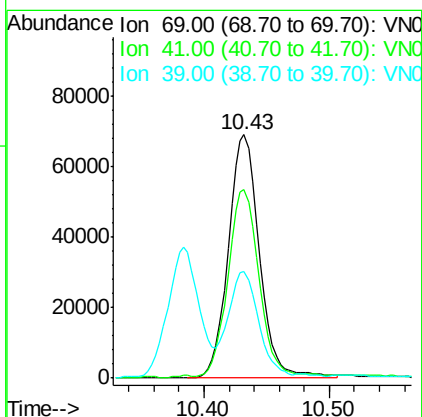
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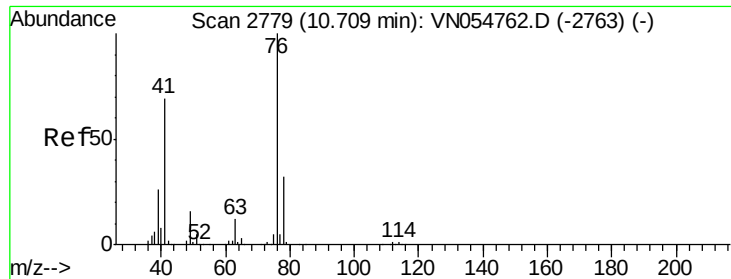
MMDadoda
 4/1/2019 1:32:38 PM



#56
 Ethyl methacrylate
 Concen: 21.624 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion:	69	Resp:	119180
Ion	Ratio	Lower	Upper
69	100		
41	75.1	49.4	74.2#
39	40.8	28.3	42.5





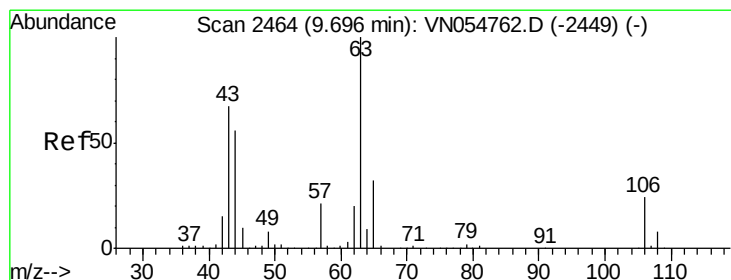
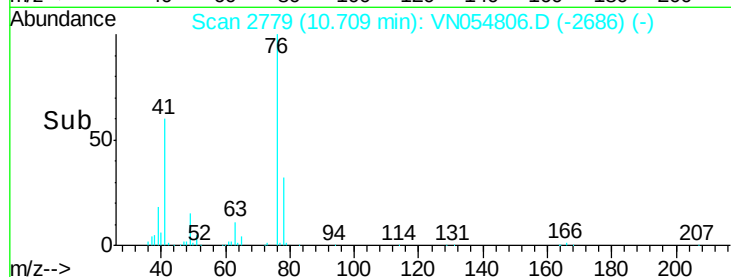
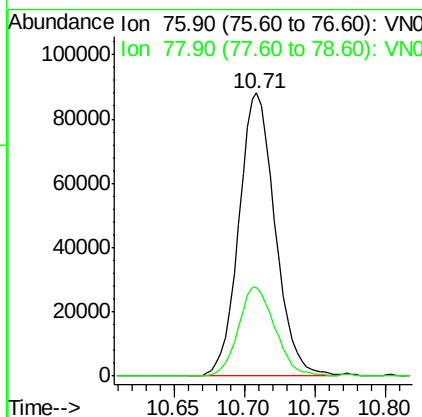
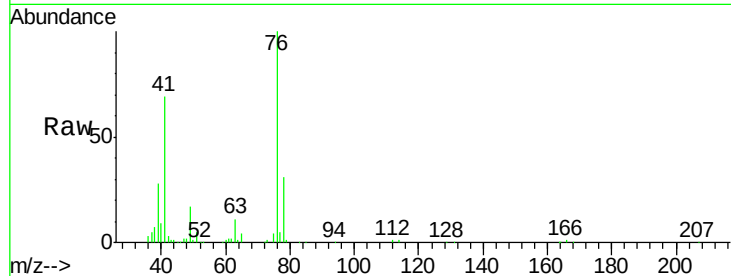
#57
 1,3-Dichloropropane
 Concen: 21.949 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Tot Ion: 76 Resp: 158545
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

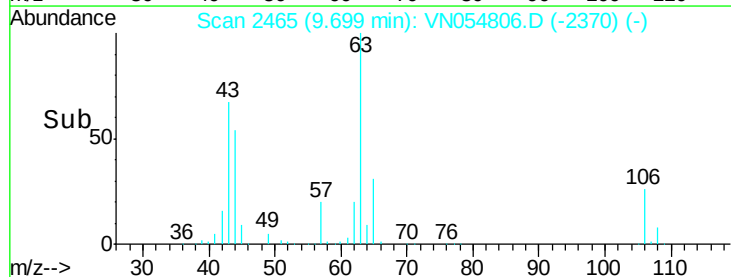
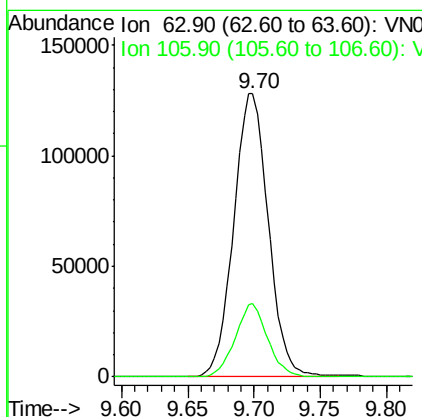
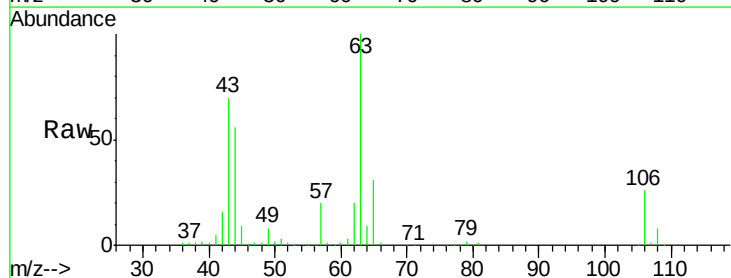
Manual Integrations
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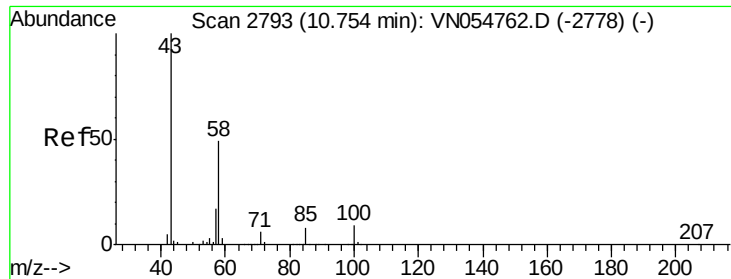
MMDadoda
 4/1/2019 1:32:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.348 ug/l
 RT: 9.70 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion: 63 Resp: 232799
 Ion Ratio Lower Upper
 63 100
 106 24.2 24.4 36.6#





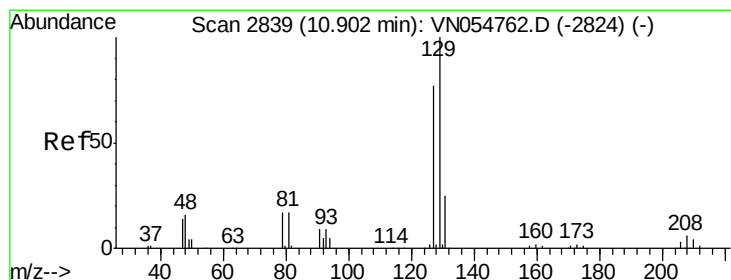
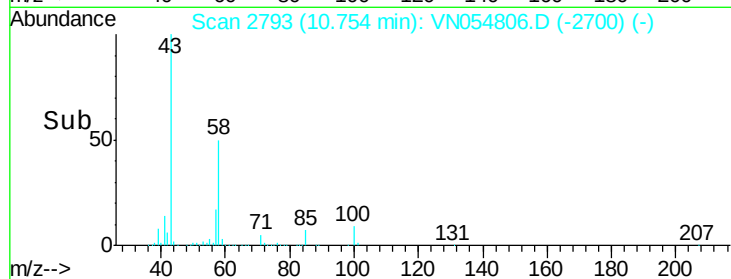
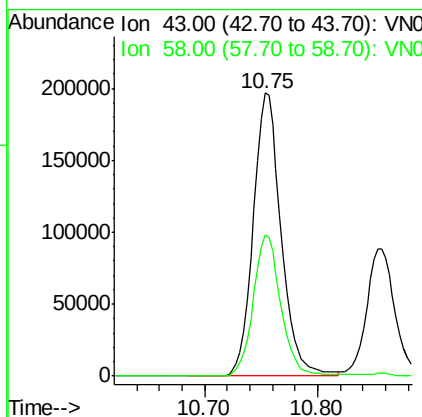
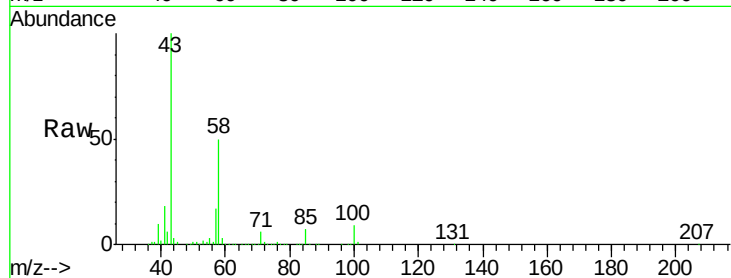
#59
2-Hexanone
Concen: 117.592 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	43	Resp	334677
Ion Ratio	100	Lower	Upper
43	100		
58	49.8	28.0	83.9

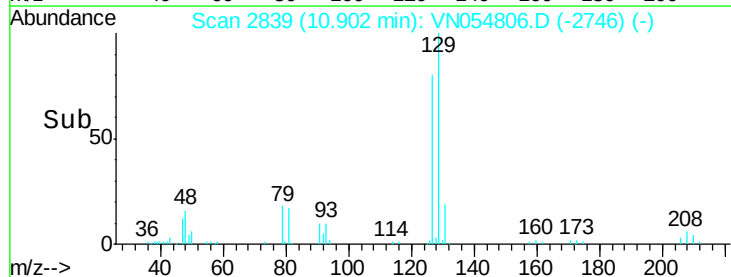
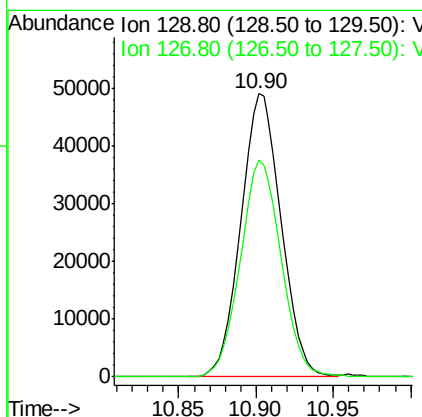
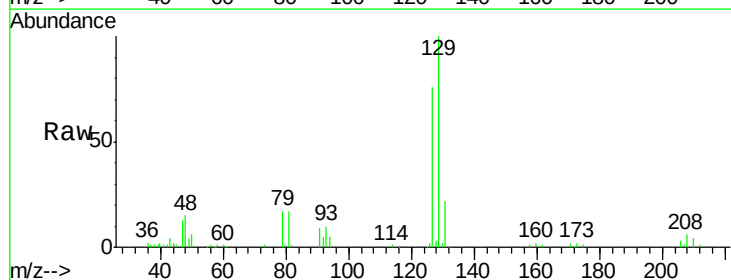
Manual Integrations
APPROVED

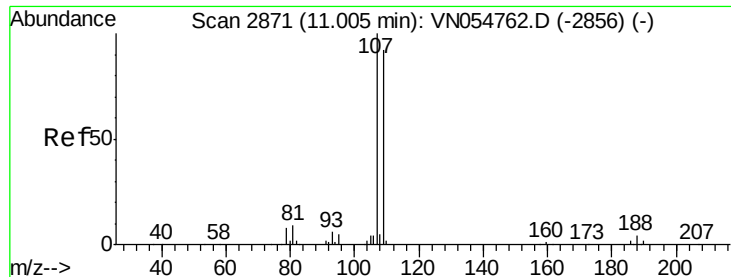
MMDadoda
4/1/2019 1:32:38 PM



#60
Dibromochloromethane
Concen: 20.832 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	129	Resp	88662
Ion Ratio	100	Lower	Upper
129	100		
127	77.7	38.6	115.8





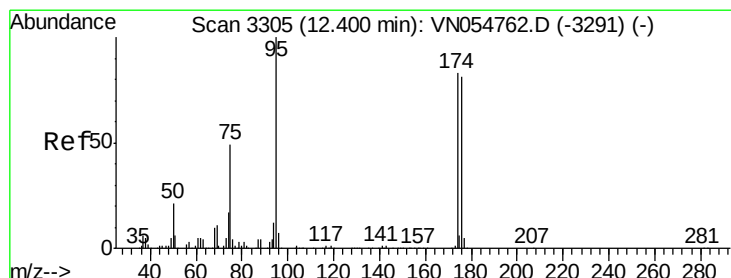
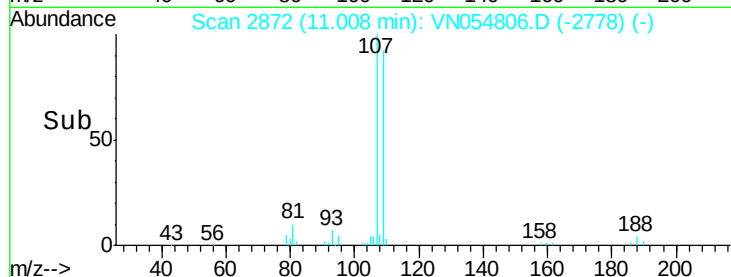
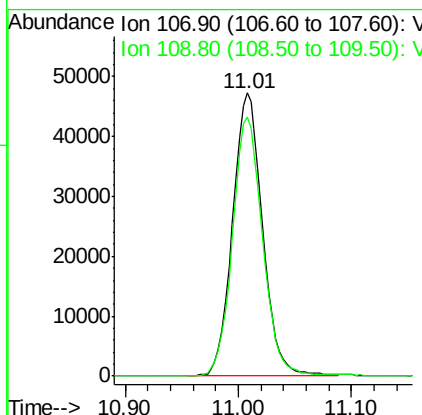
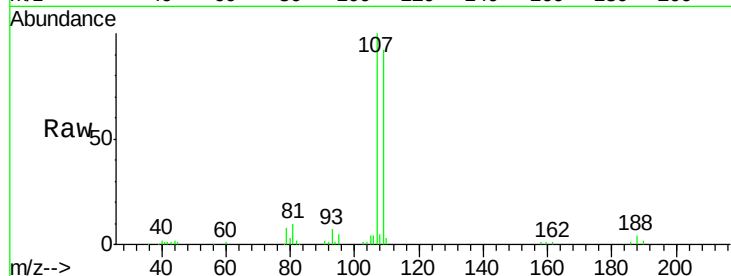
#61
 1,2-Dibromoethane
 Concen: 21.744 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0330WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	75.9	113.9

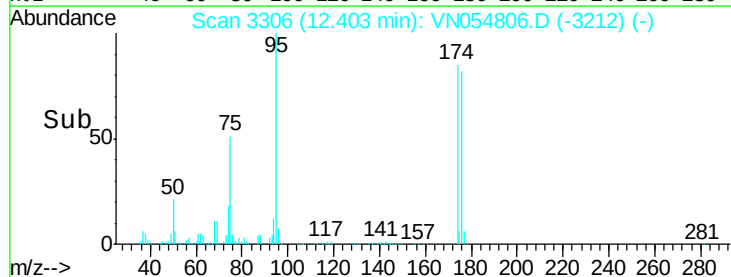
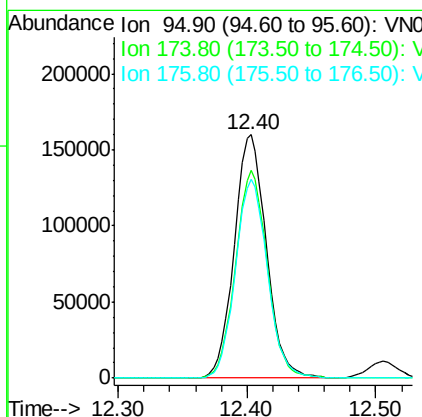
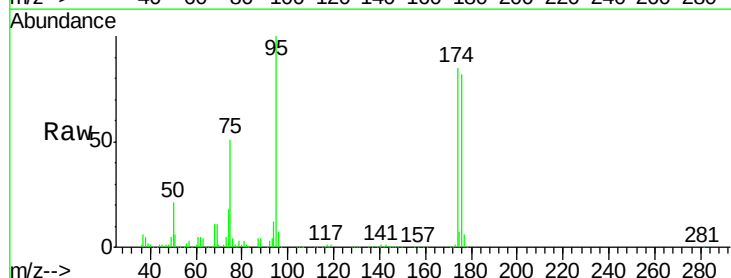
Manual Integrations
 APPROVED

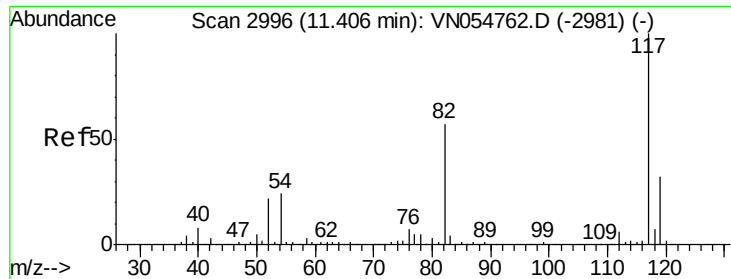
MMDadoda
 4/1/2019 1:32:38 PM



#62
 4-Bromofluorobenzene
 Concen: 47.138 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	191.0
176	81.4	0.0	187.4





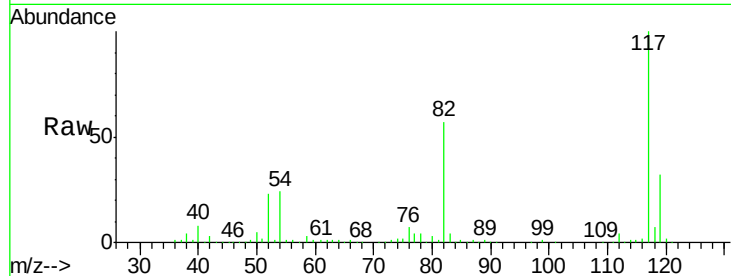
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	40.0	60.0
119	32.1	25.8	38.6

Manual Integrations
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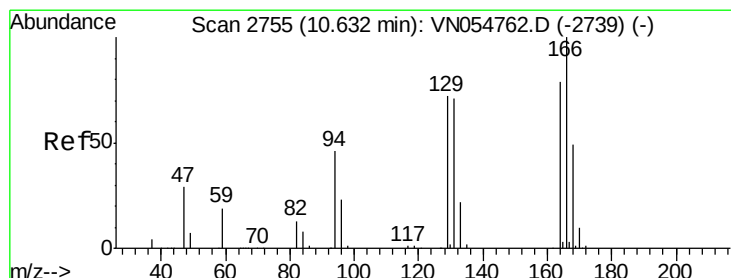
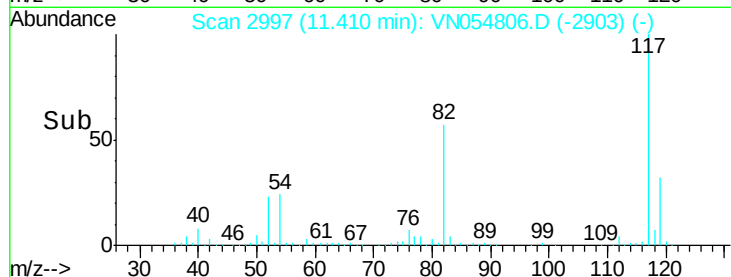
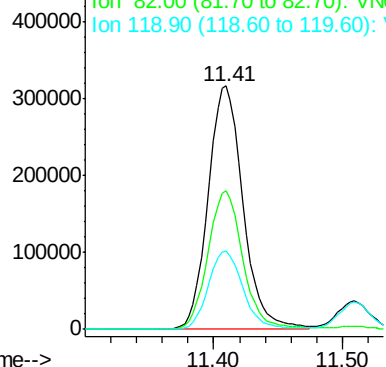


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.526 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	103.9	155.9
129	88.3	71.1	106.7
131	85.9	68.2	102.4

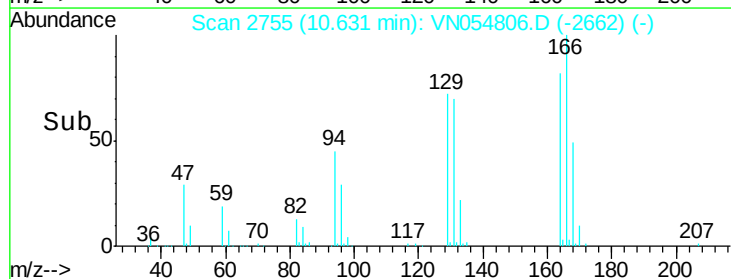
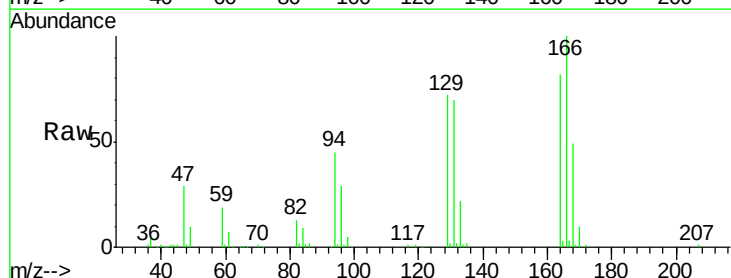
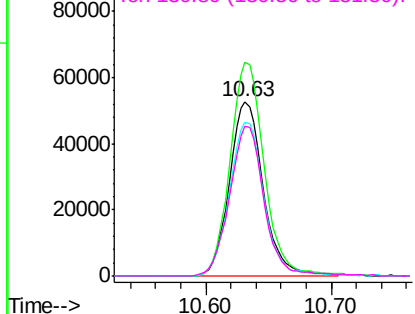
Abundance

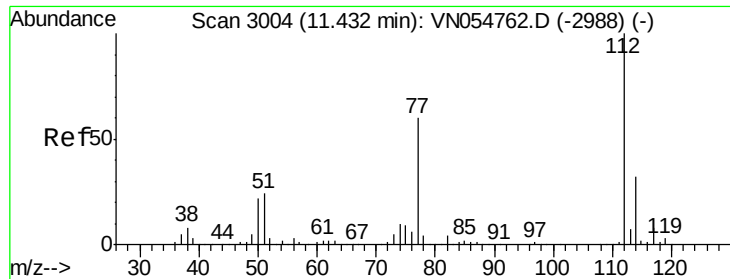
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.154 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

VN0330WBS01

Tot Ion:112 Resp: 235553

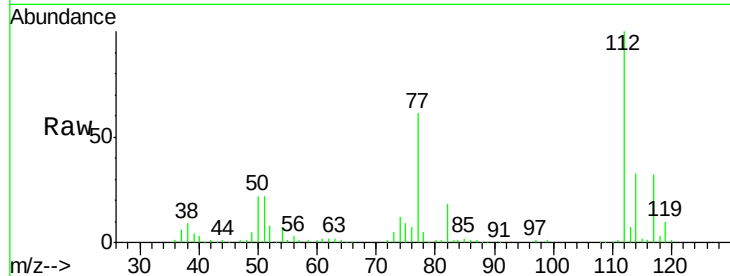
Ion Ratio Lower Upper

112 100

114 32.6 25.9 38.9

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

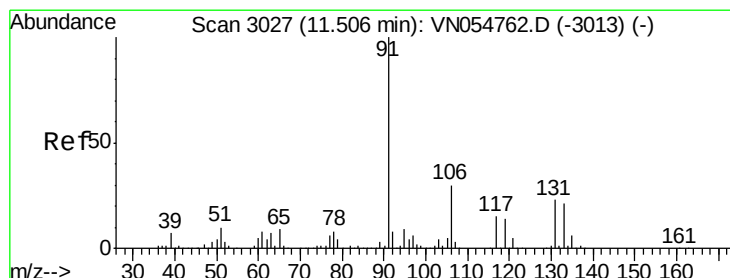
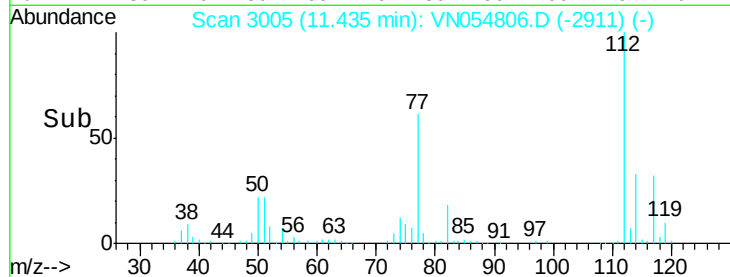
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.874 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

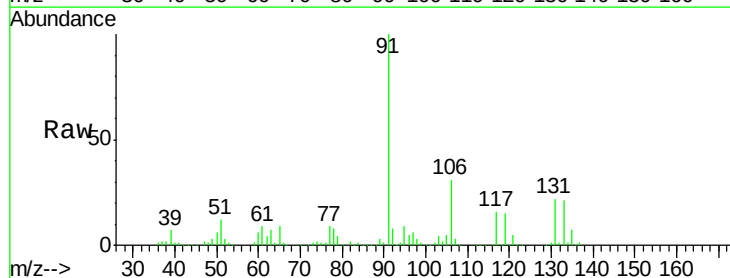
Tgt Ion:131 Resp: 91313

Ion Ratio Lower Upper

131 100

133 94.3 47.6 142.9

119 67.2 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

11.51

100000

80000

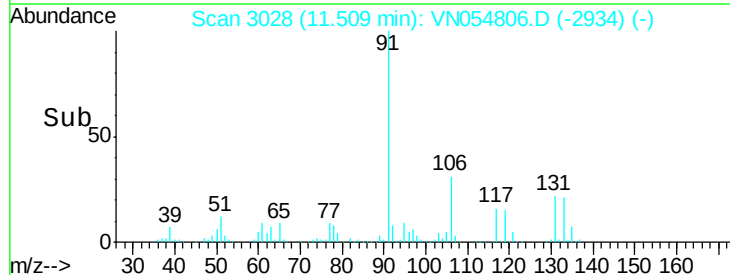
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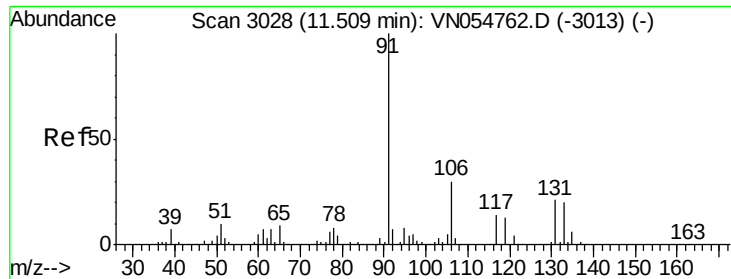
40000

20000

0

Time-->





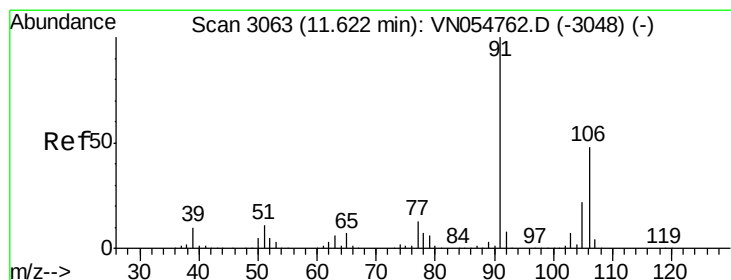
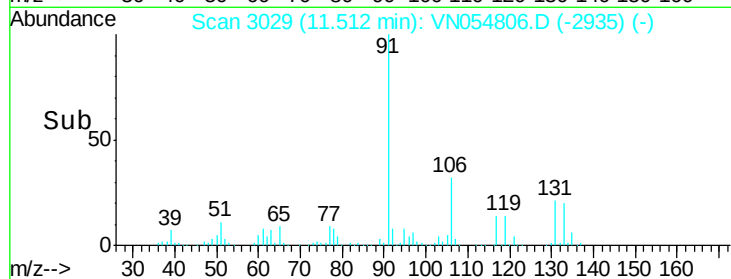
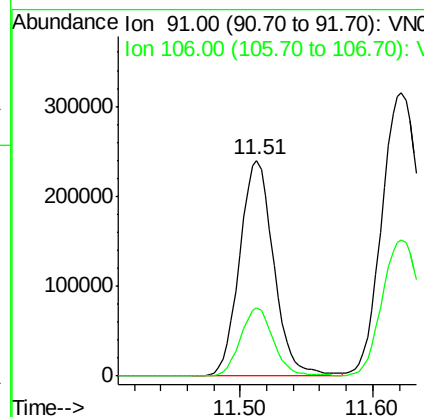
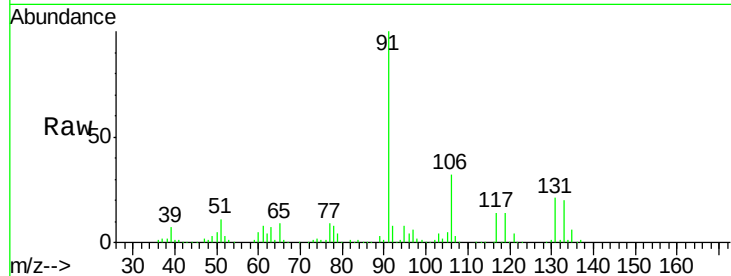
#67
Ethyl Benzene
Concen: 20.393 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion: 91 Resp: 430096
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

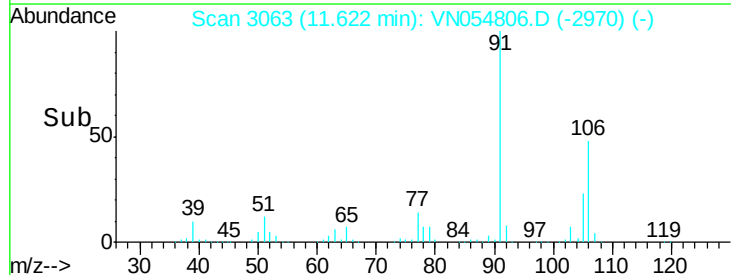
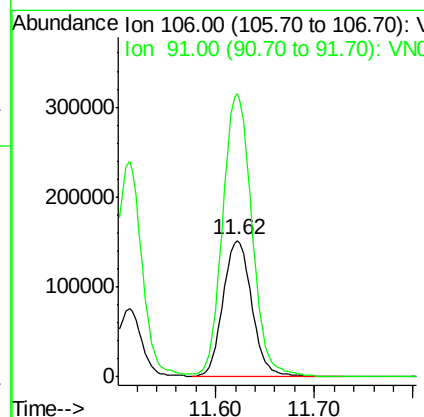
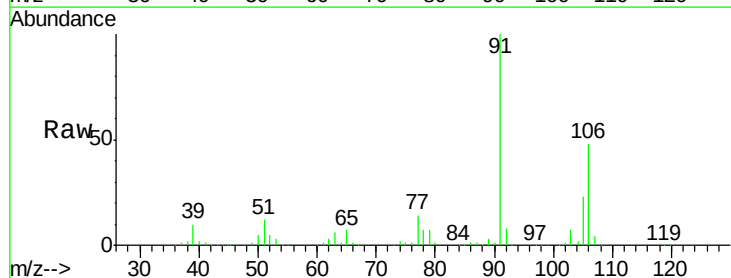
Manual Integrations
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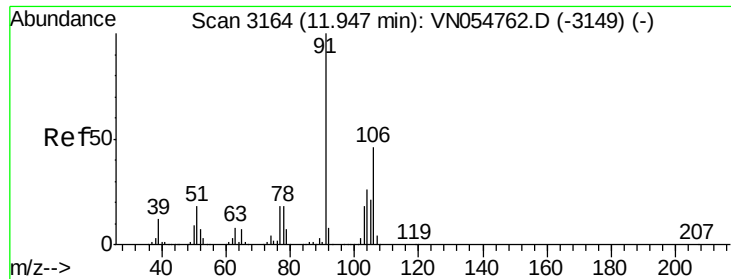
MMDadoda
4/1/2019 1:32:38 PM



#68
m/p-Xylenes
Concen: 40.062 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion: 106 Resp: 312681
Ion Ratio Lower Upper
106 100
91 209.9 159.4 239.2





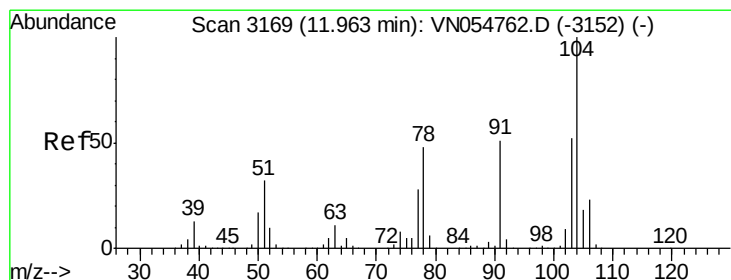
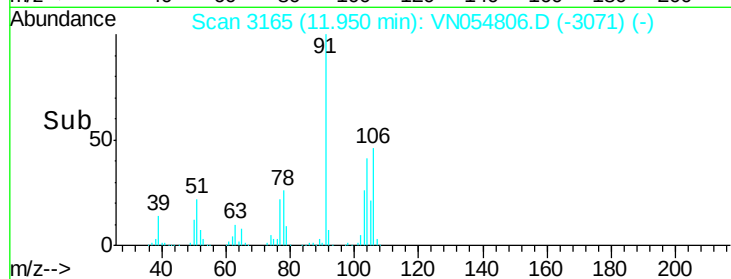
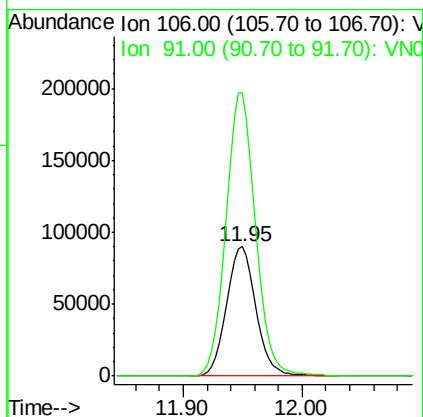
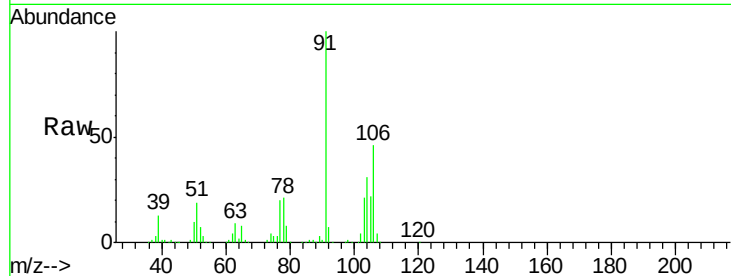
#69
o-Xylene
Concen: 20.194 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		154554		
91	219.6	105.7	317.1		

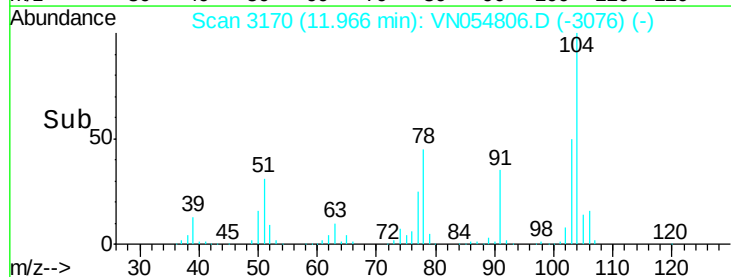
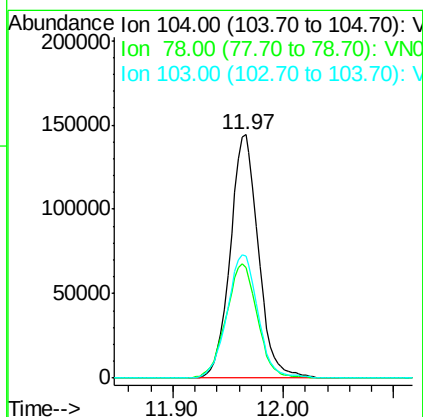
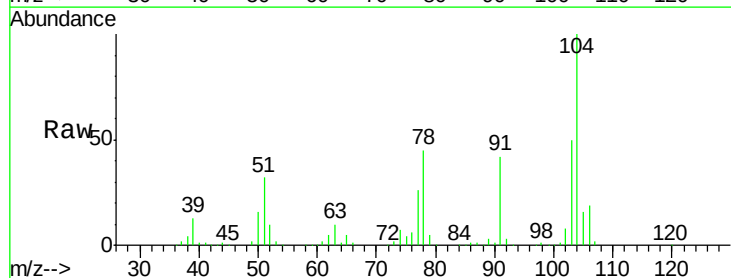
Manual Integrations
APPROVED

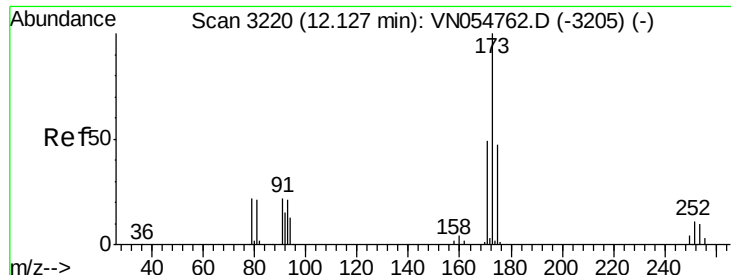
MMDadoda
4/1/2019 1:32:38 PM



#70
Styrene
Concen: 20.902 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		255776		
78	52.1	38.2	57.2		
103	55.6	44.4	66.6		





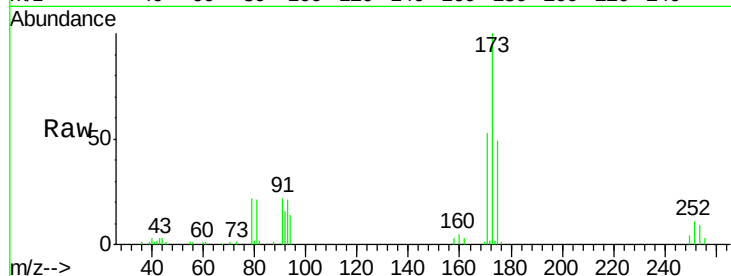
#71
Bromoform
Concen: 21.298 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.2
254	0.0	0.1	0.1#

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4/1/2019 1:32:38 PM

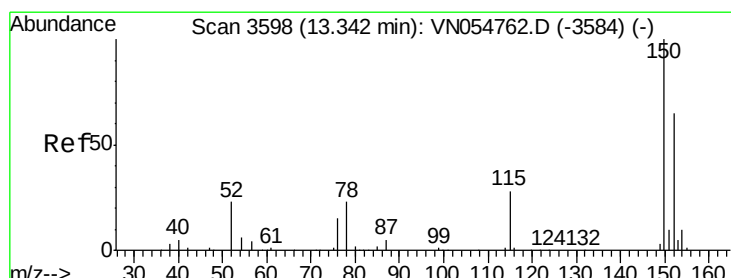
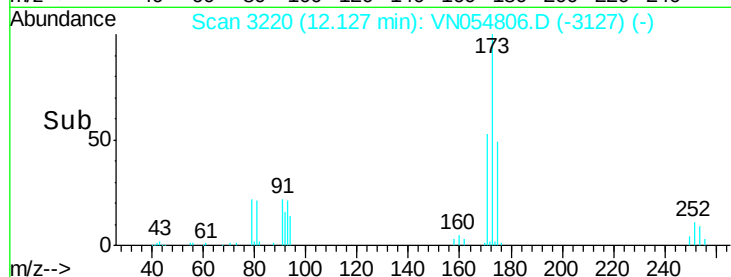
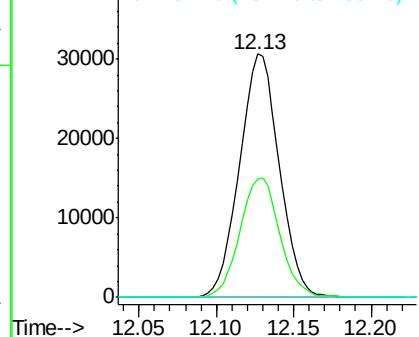


Abundance

Ion 172.70 (172.40 to 173.40): V

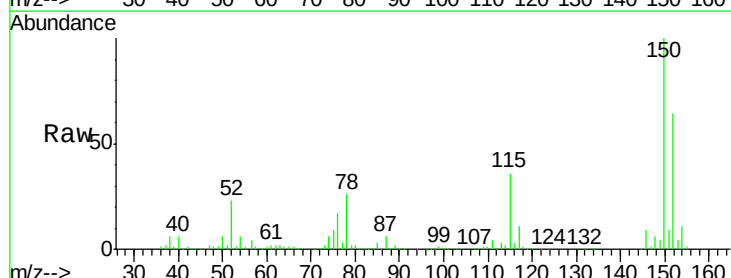
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	27.2	81.6
150	161.9	0.0	349.2

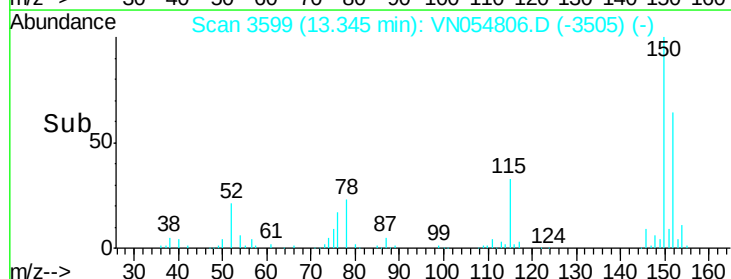
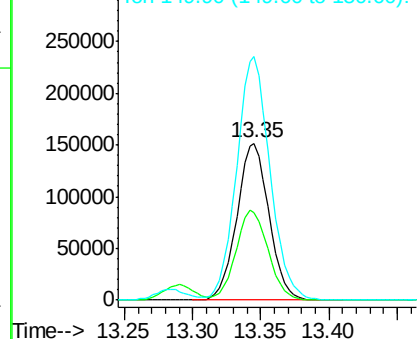


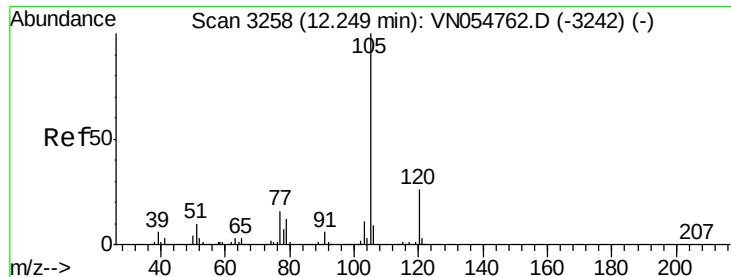
Abundance

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: 20.319 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS01

Tot Ion:105 Resp: 410513

Ion Ratio Lower Upper

105 100

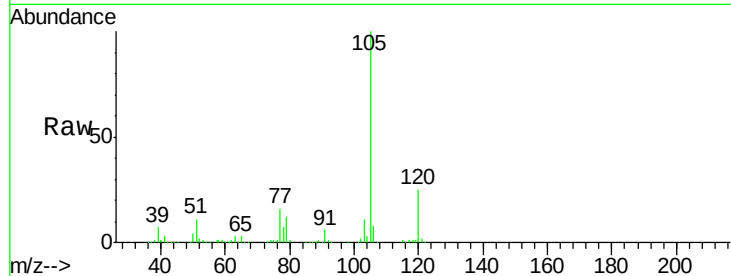
120 25.9 13.8 41.3

Manual Integrations

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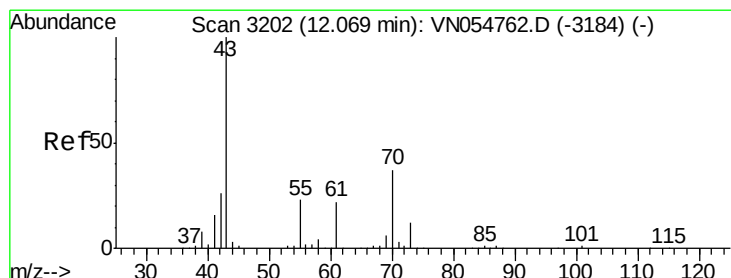
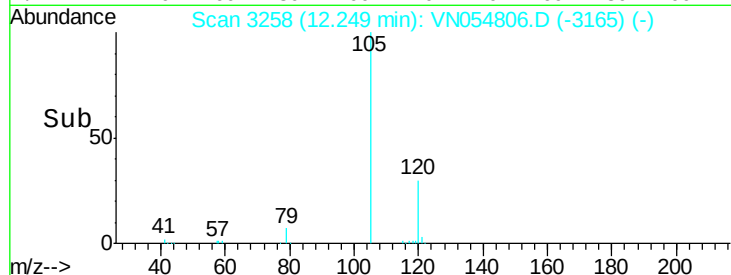
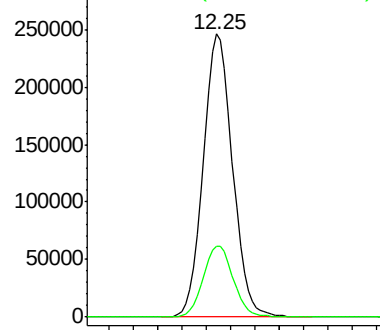
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.782 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Tgt Ion: 43 Resp: 137099

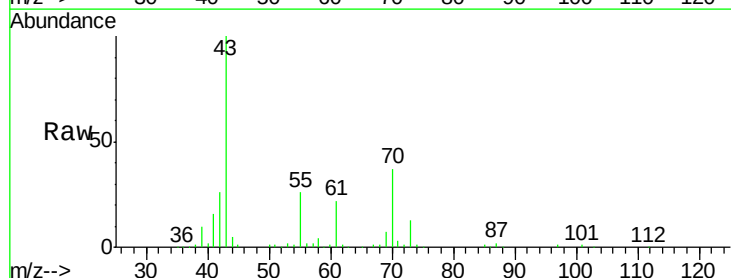
Ion Ratio Lower Upper

43 100

70 37.3 35.4 53.0

55 24.9 19.8 29.6

61 21.8 19.8 29.6

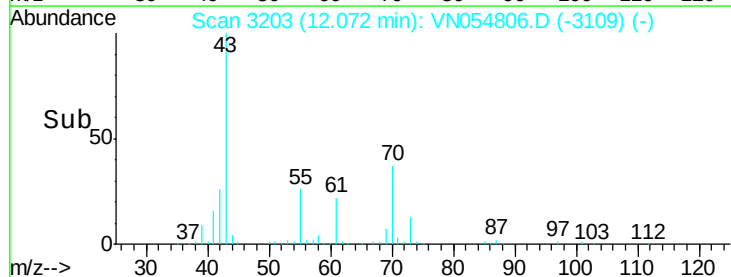
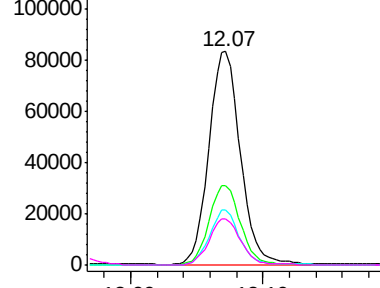


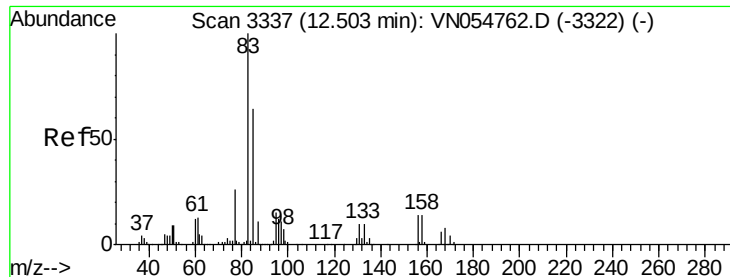
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN





#75

1,1,2,2-Tetrachloroethane

Concen: 24.488 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

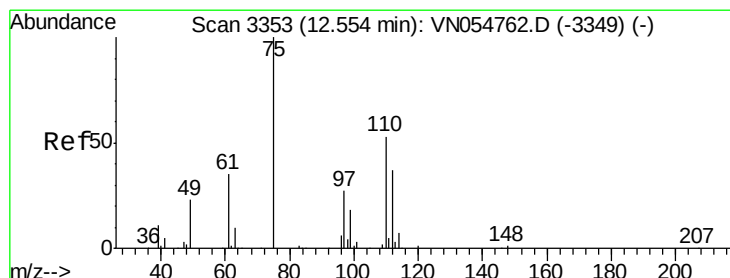
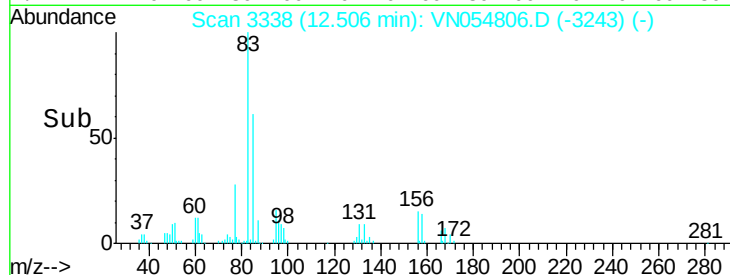
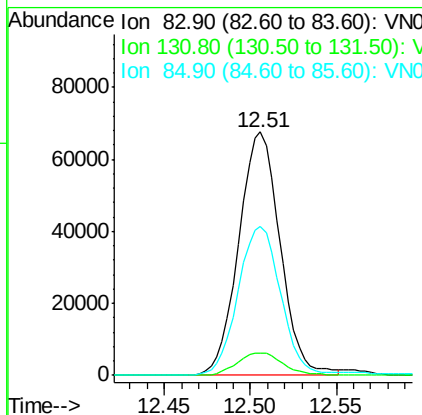
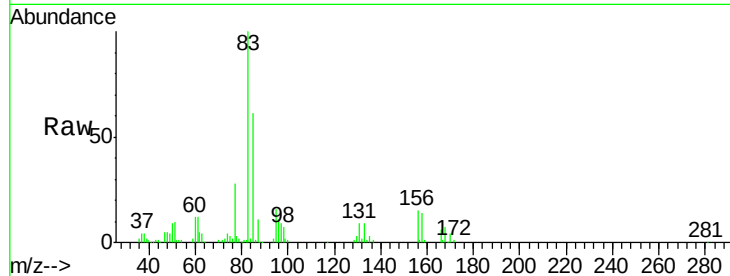
ClientSampleId :

VN0330WBS01

Tot Ion:	83	Resp:	112952
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.8	17.4
85	62.8	32.2	96.6

Manual Integrations
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4/1/2019 1:32:38 PM



#76

1,2,3-Trichloropropane

Concen: 22.085 ug/l m

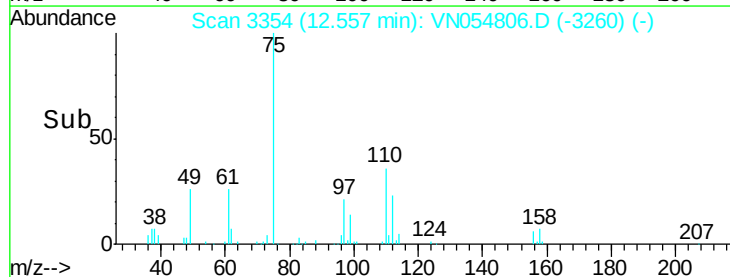
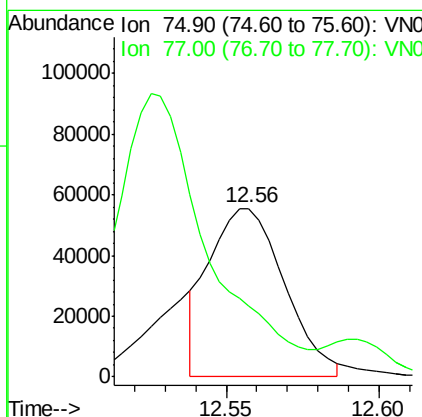
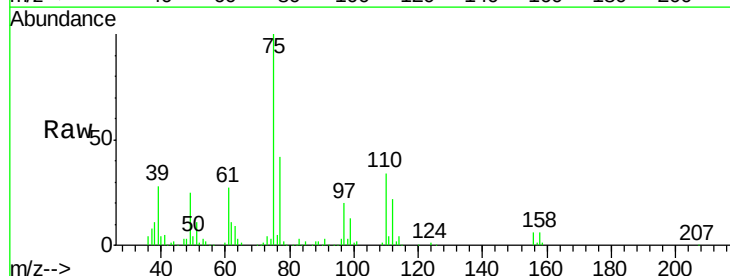
RT: 12.56 min Scan# 3354

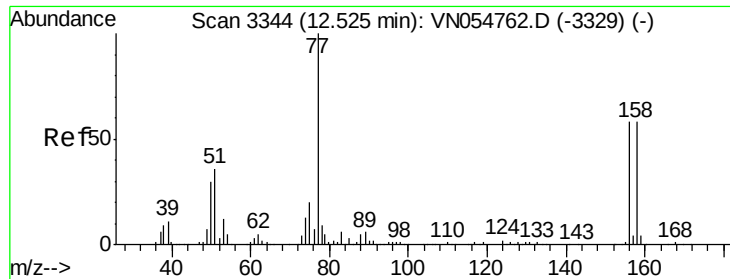
Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Tgt Ion:	75	Resp:	94835
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





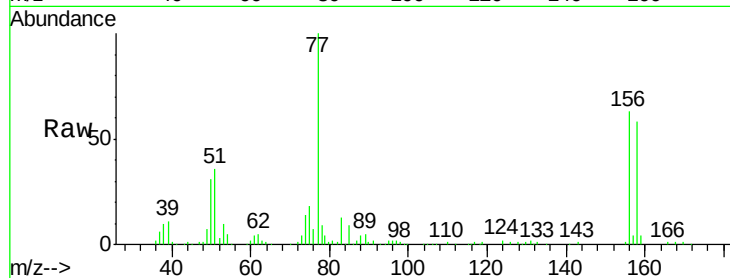
#77
Bromobenzene
Concen: 20.866 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.3	81.5	244.4
158	95.2	49.0	147.2

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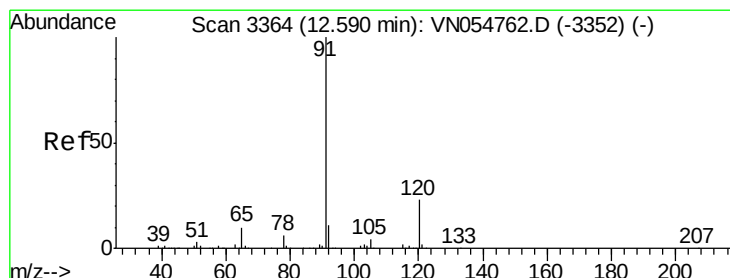
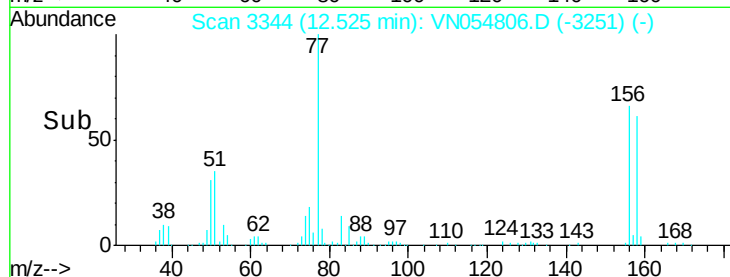
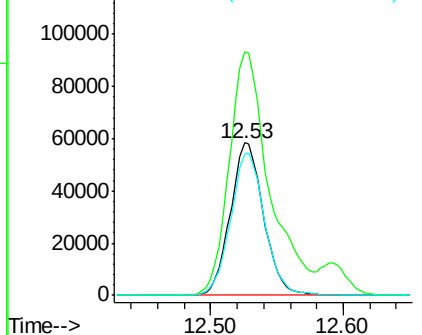


Abundance

Ion 155.80 (155.50 to 156.50): V

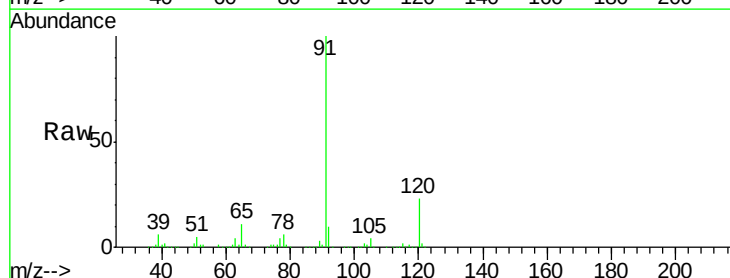
Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 19.854 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

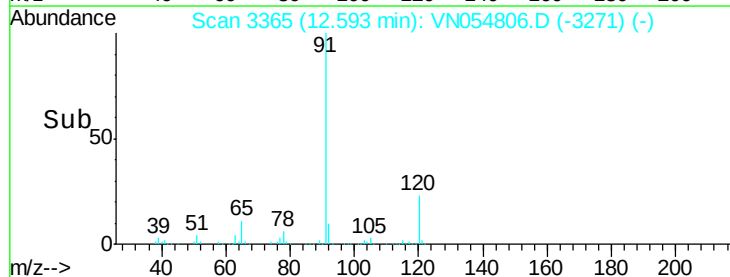
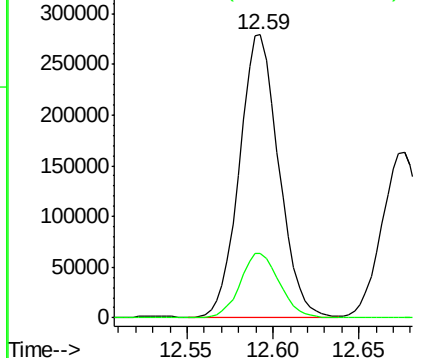
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	12.3	36.9

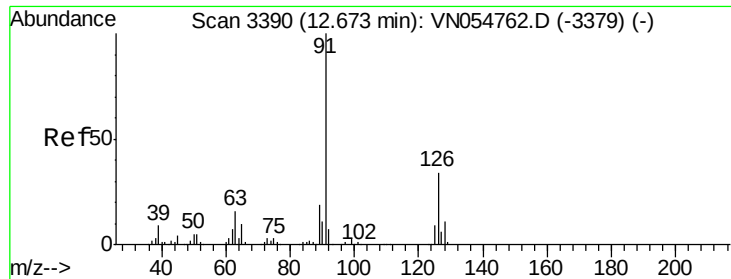


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.065 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBS01

Tot Ion: 91 Resp: 275652

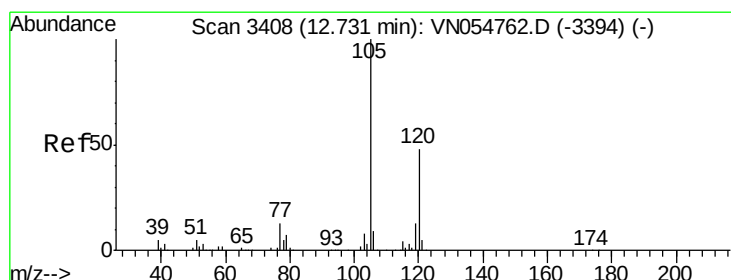
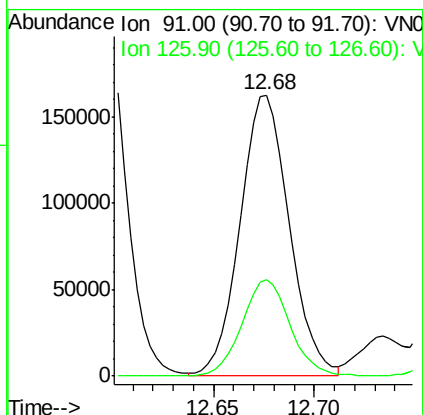
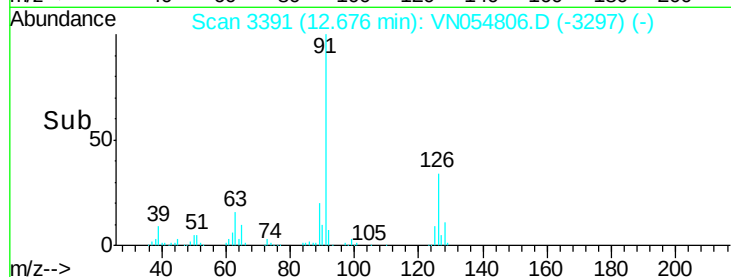
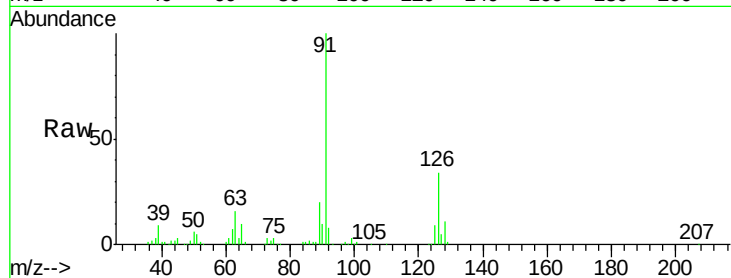
Ion Ratio Lower Upper

91 100

126 34.0 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 19.896 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054806.D

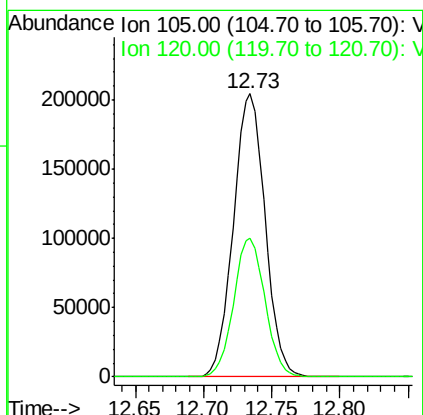
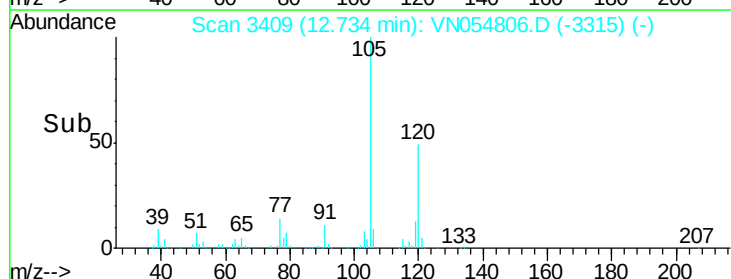
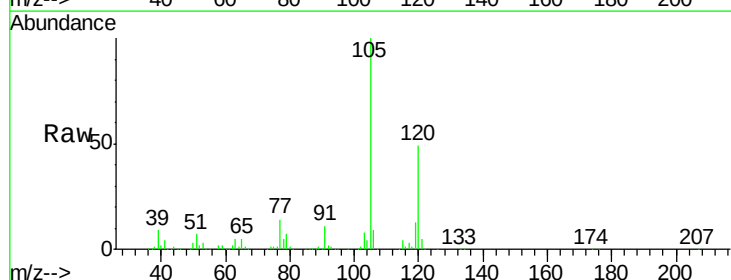
Acq: 30 Mar 2019 16:52

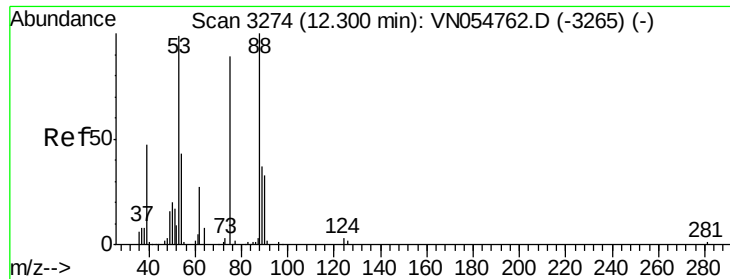
Tgt Ion: 105 Resp: 329814

Ion Ratio Lower Upper

105 100

120 48.4 25.0 75.0





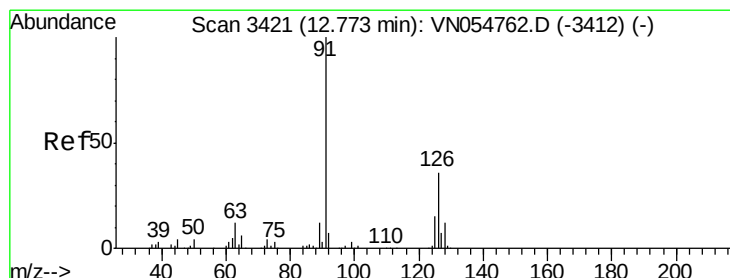
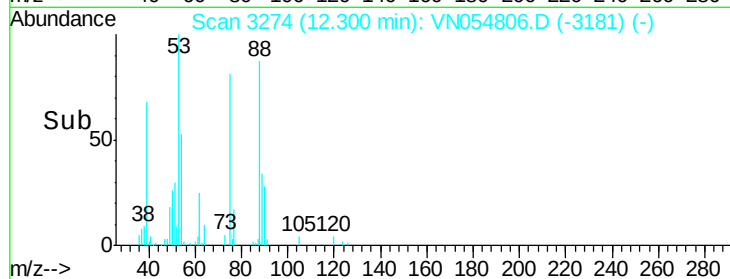
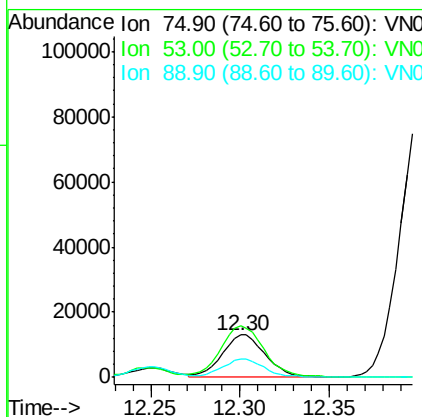
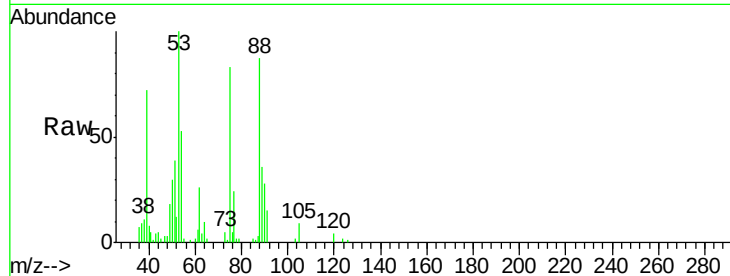
#81
trans-1,4-Dichloro-2-butene
Concen: 20.044 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.2	76.2	114.2#
89	42.1	39.2	58.8

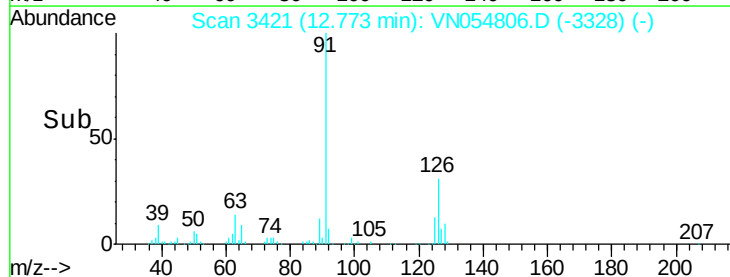
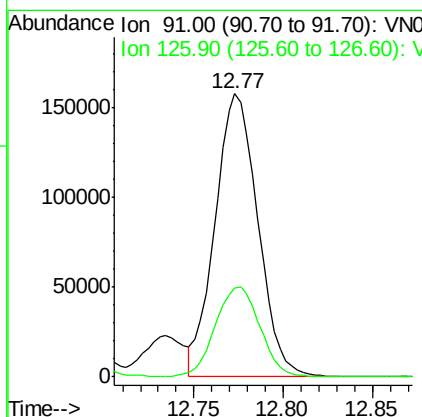
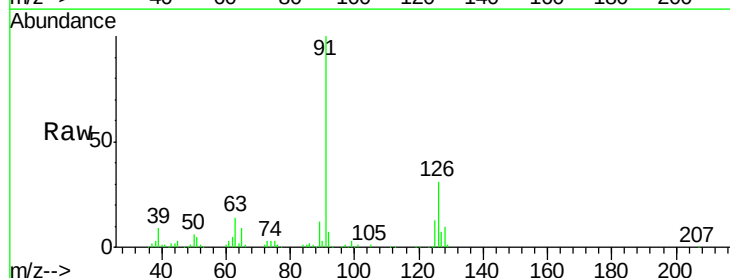
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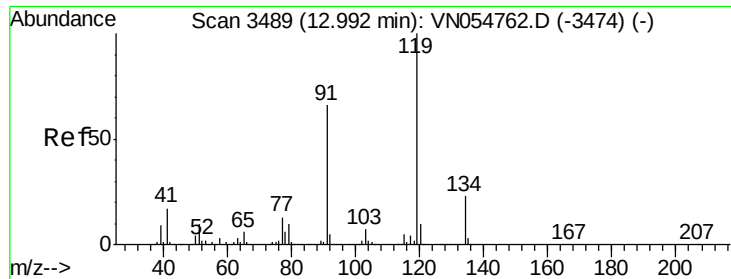
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#82
4-Chlorotoluene
Concen: 19.535 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	18.1	54.1





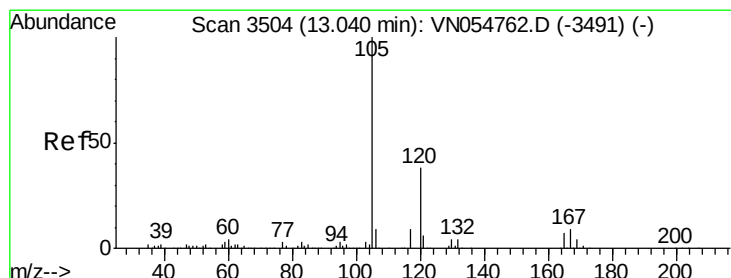
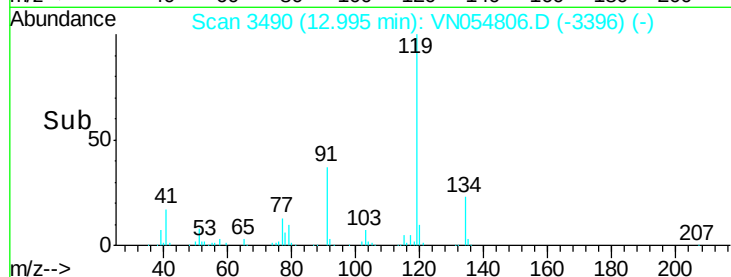
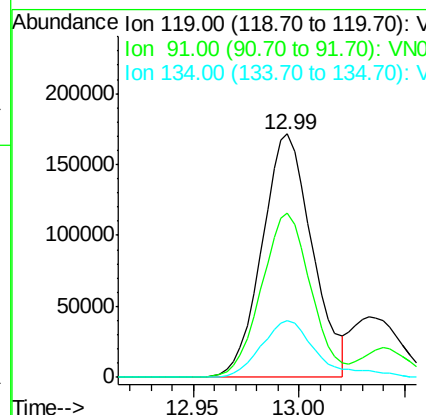
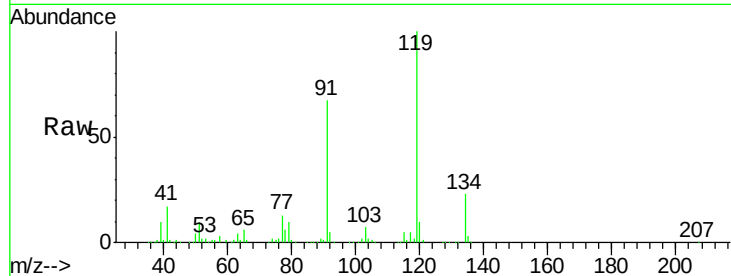
#83
 tert-Butylbenzene
 Concen: 20.904 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284096		
91	66.8	30.9	92.8	
134	26.2	13.2	39.6	

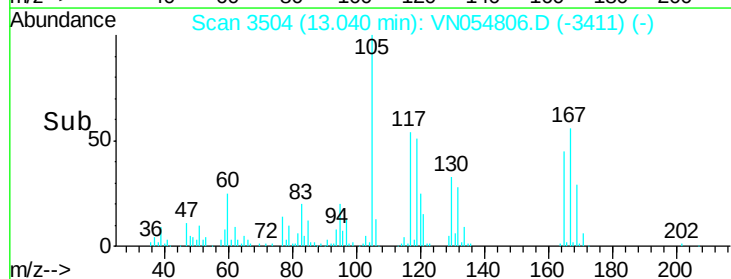
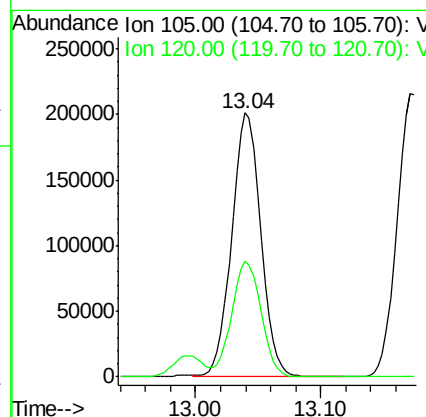
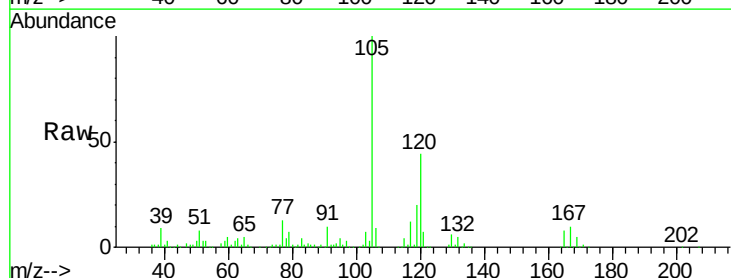
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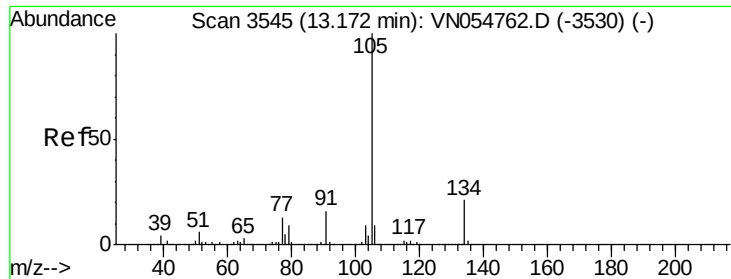
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.464 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	323185		
120	44.0	23.4	70.3	





#85

sec-Butylbenzene

Concen: 19.864 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

VN0330WBS01

Tot Ion:105 Resp: 357721

Ion Ratio Lower Upper

105 100

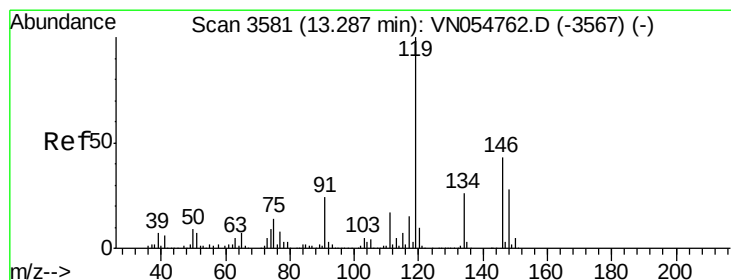
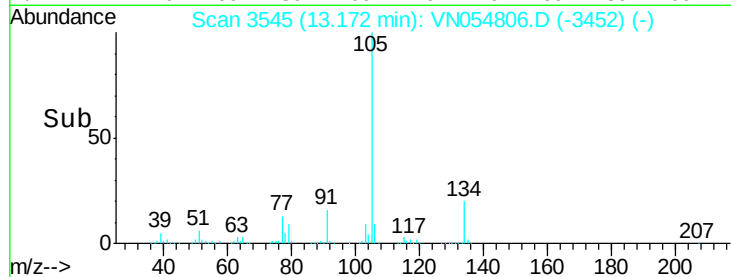
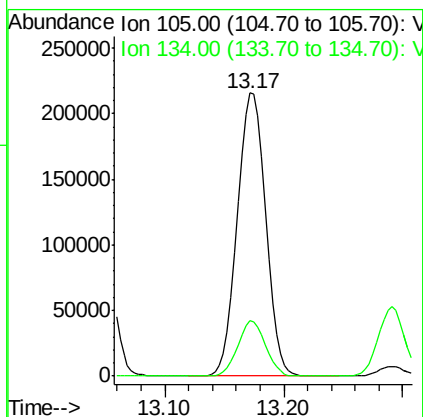
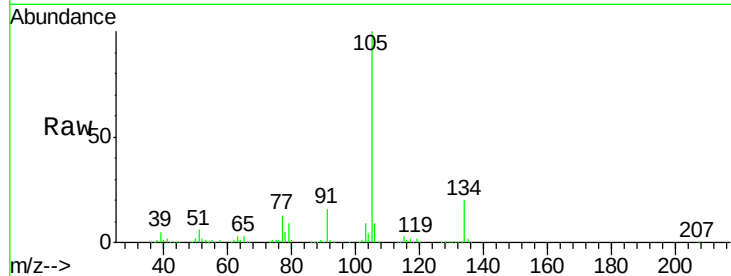
134 19.1 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.277 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

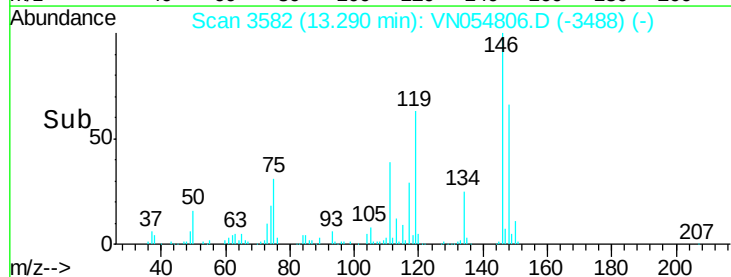
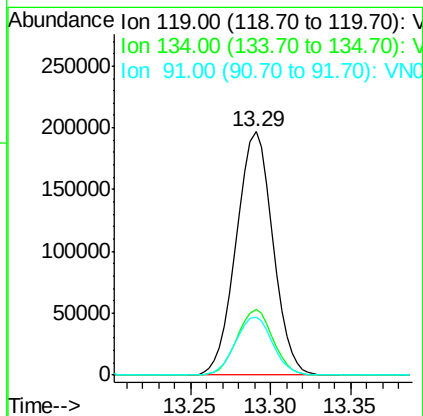
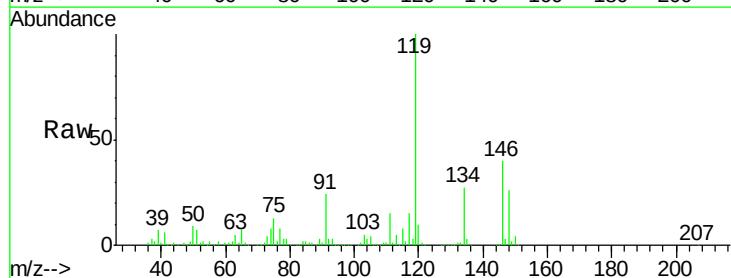
Tgt Ion:119 Resp: 306170

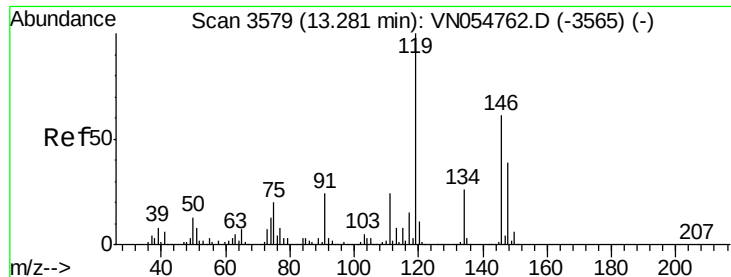
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.9 11.1 33.3





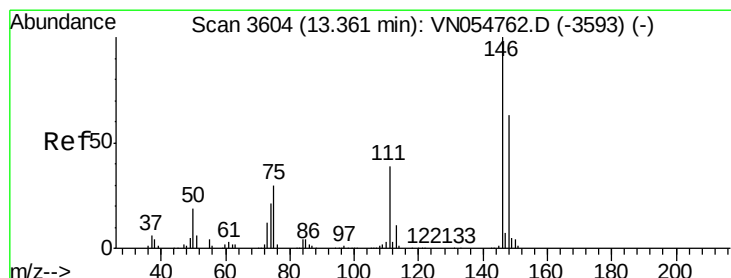
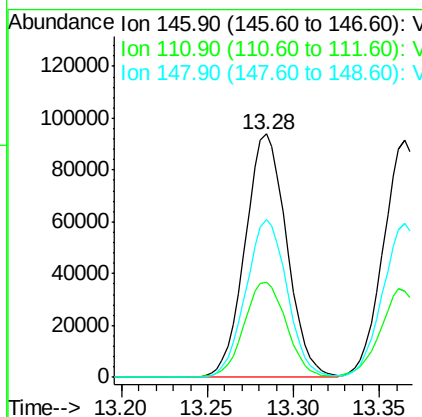
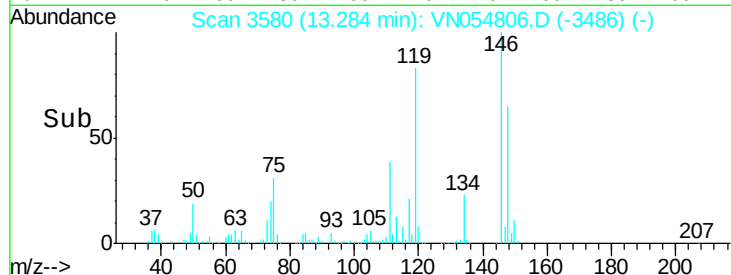
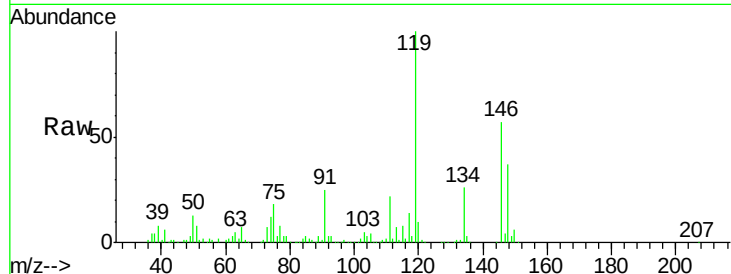
#87
 1,3-Dichlorobenzene
 Concen: 19.382 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.8	56.3
148	64.1	32.2	96.6

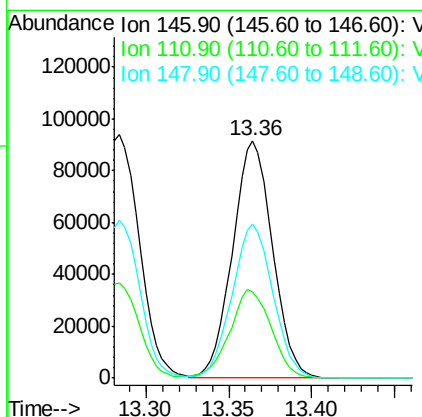
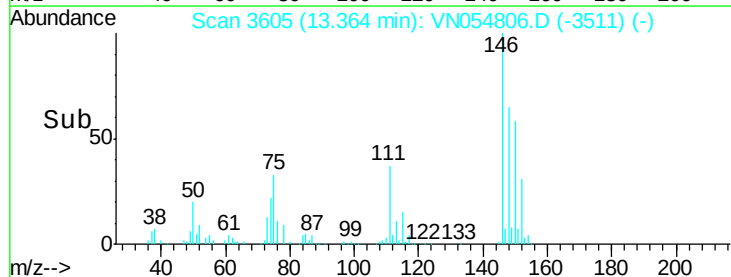
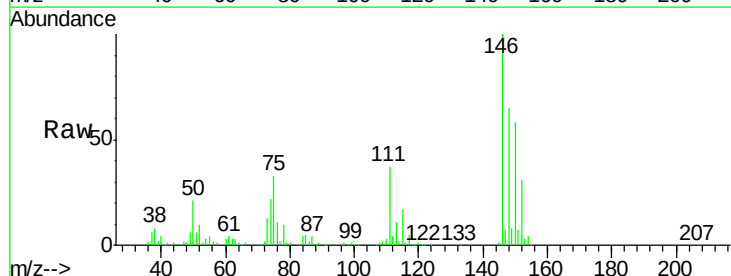
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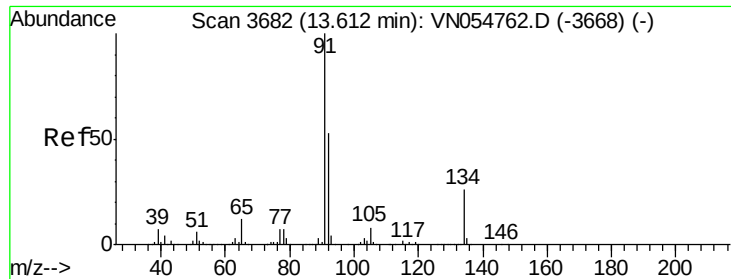
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#88
 1,4-Dichlorobenzene
 Concen: 19.193 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.1	54.1
148	66.2	32.0	96.0





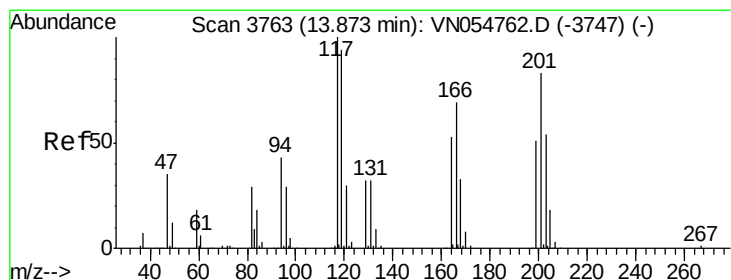
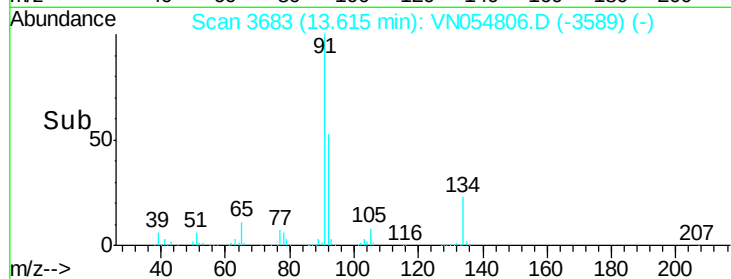
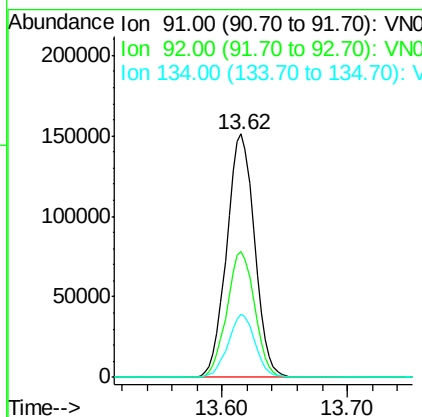
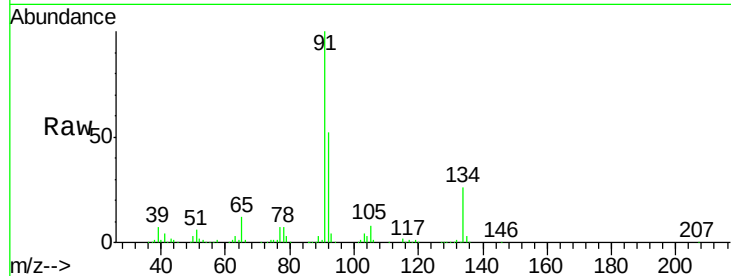
#89
n-Butylbenzene
Concen: 17.959 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN0330WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.6
134	25.1	14.3	42.9

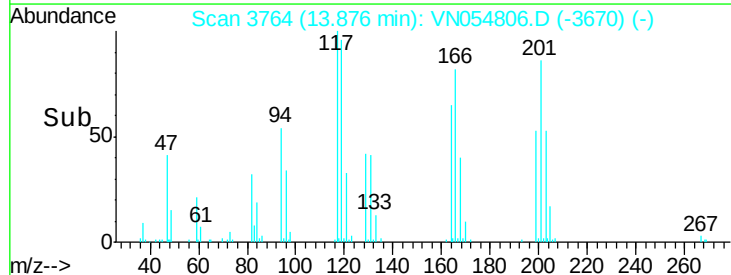
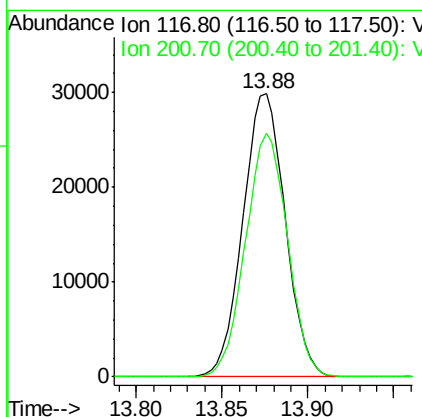
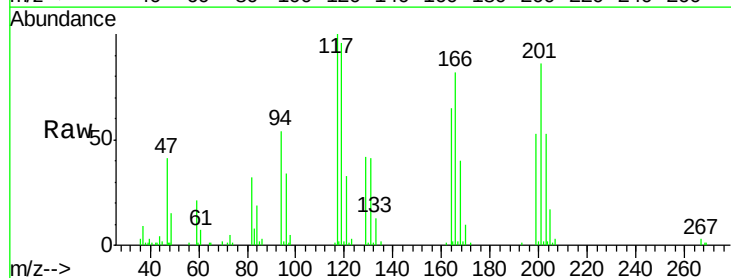
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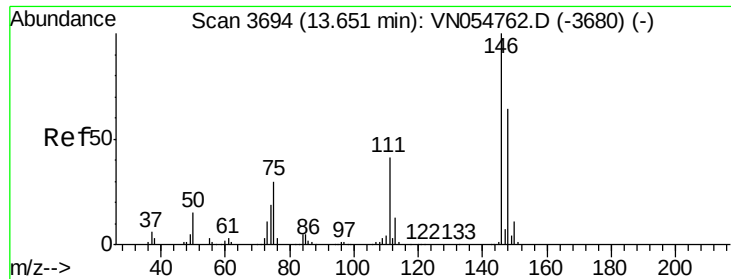
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#90
Hexachloroethane
Concen: 18.990 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054806.D
Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	48.1	144.4





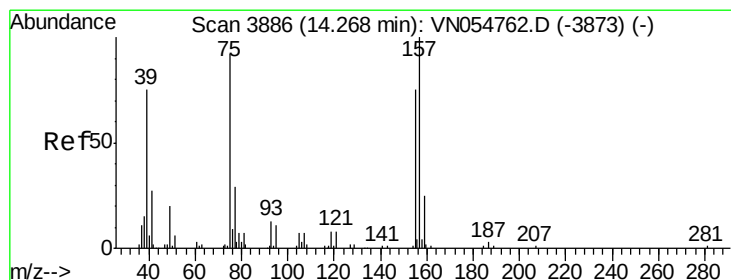
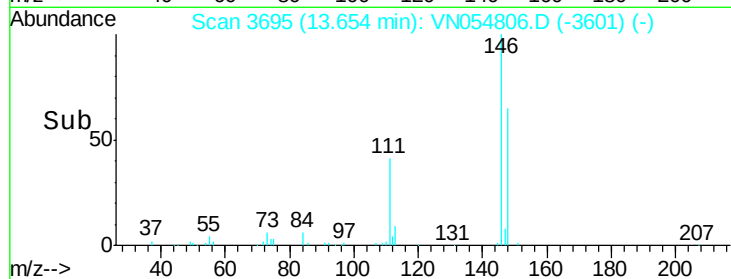
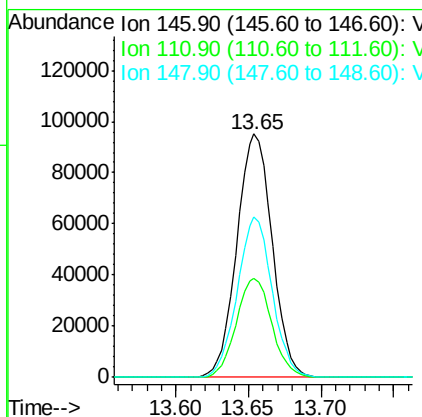
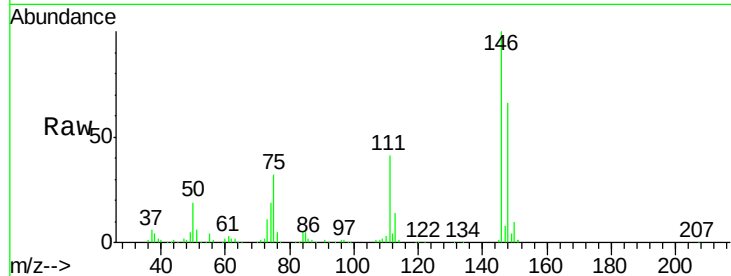
#91
 1,2-Dichlorobenzene
 Concen: 19.571 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.3
148	65.0	32.4	97.0

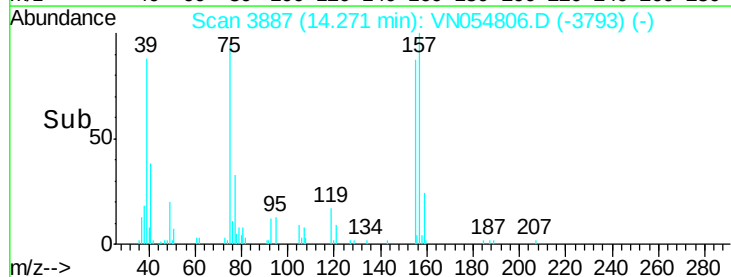
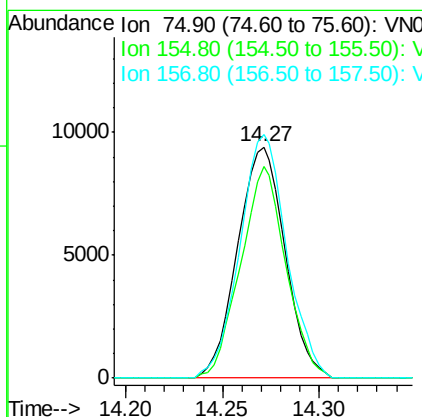
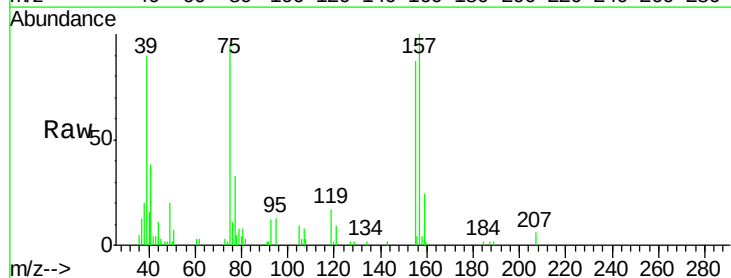
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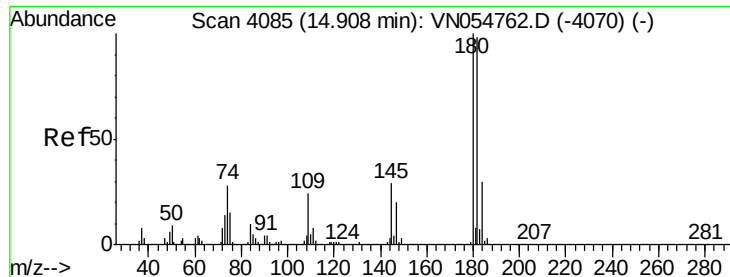
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.240 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	50.1	150.3
157	104.5	63.1	189.3





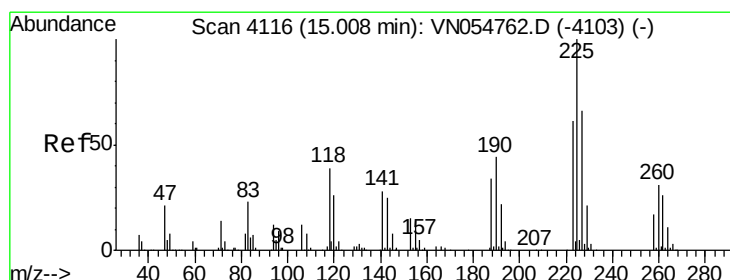
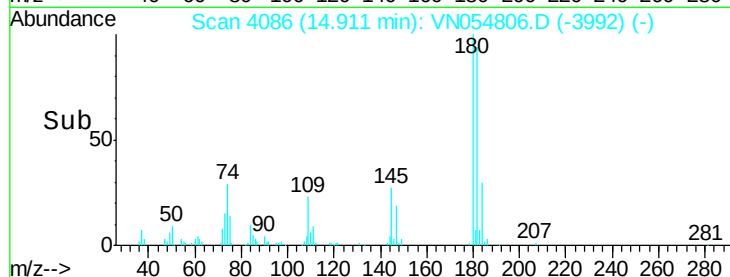
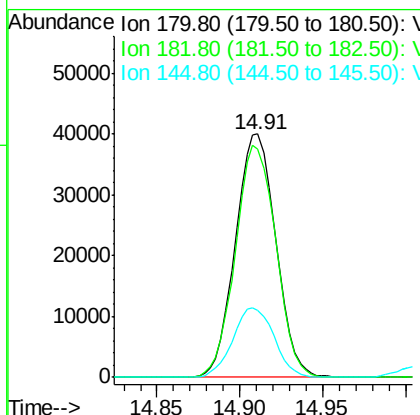
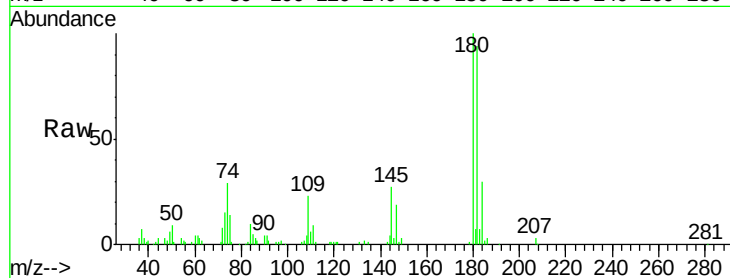
#93
 1,2,4-Trichlorobenzene
 Concen: 17.128 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68032		
182	95.4	48.0	144.2	
145	29.1	14.2	42.8	

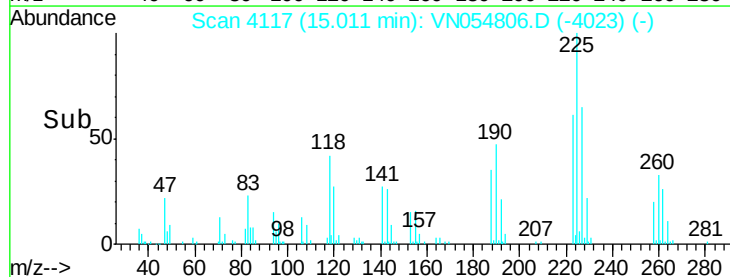
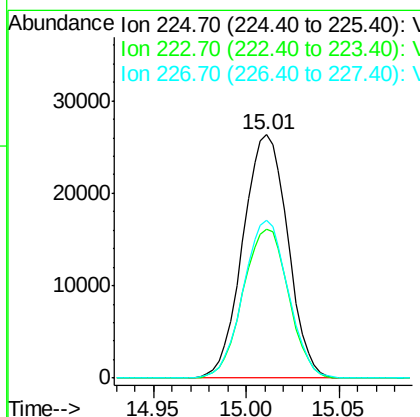
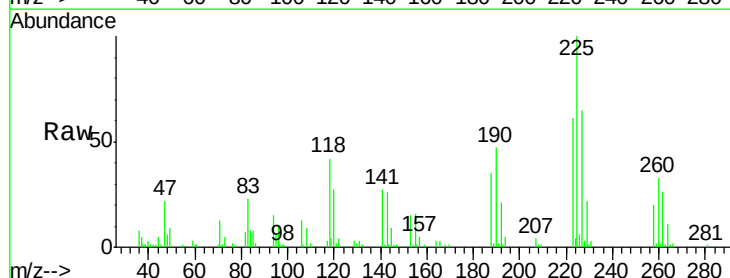
Manual Integrations
 APPROVED

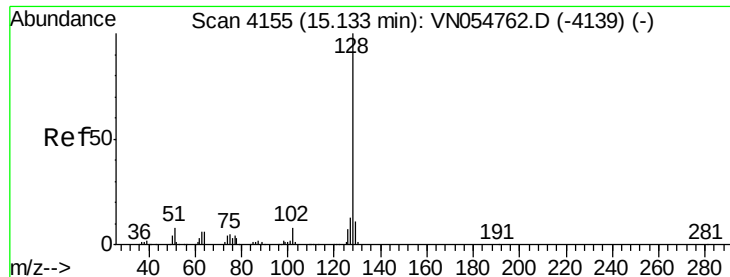
MMDadoda
 4/1/2019 1:32:38 PM



#94
 Hexachlorobutadiene
 Concen: 17.410 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054806.D
 Acq: 30 Mar 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44178		
223	62.2	31.1	93.5	
227	64.7	31.9	95.9	





#95

Naphthalene

Concen: 19.169 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Instrument :

MSVOA_N

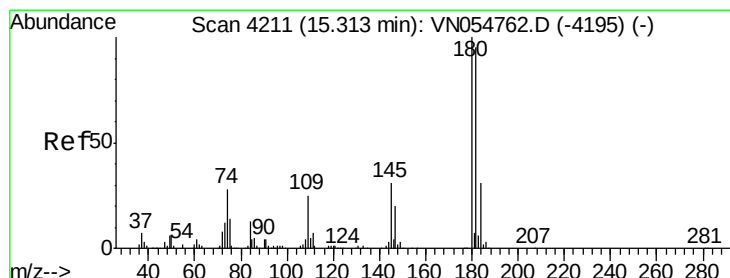
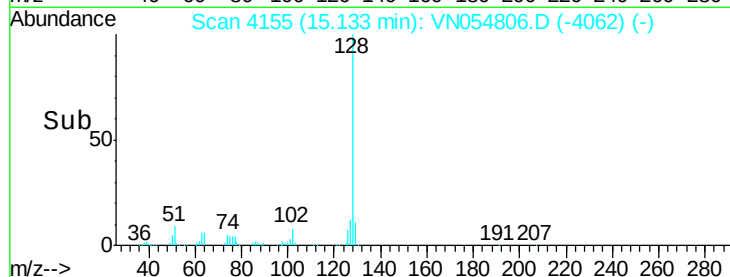
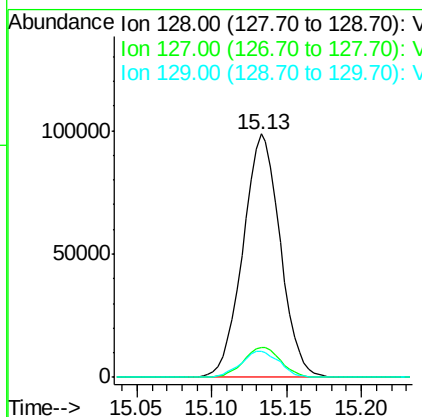
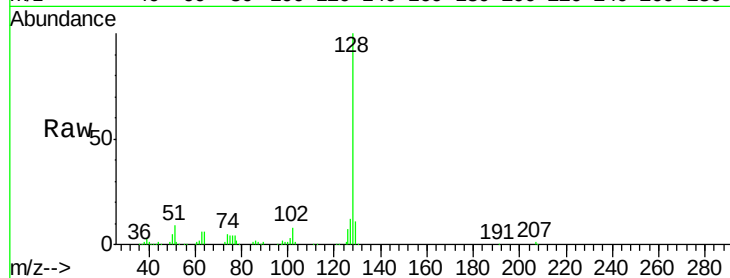
ClientSampleId :

VN0330WBS01

Tot Ion:	128	Resp:	170769
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.1	15.1
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 1:32:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.999 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054806.D

Acq: 30 Mar 2019 16:52

Tgt Ion:	180	Resp:	72203
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.5	142.6
145	31.2	14.8	44.3

