

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082418\
 Data File : VN050870.D
 Acq On : 24 Aug 2018 12:25
 Operator : MD\SY
 Sample : VN0824WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 1:18:45 PM

Quant Time: Aug 24 23:11:37 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	614033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	885977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	790541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	369564	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	380119	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.59	113	360232	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.09	98	1359031	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.40	95	426453	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	178040	21.666 ug/l	98
3) Chloromethane	2.06	50	195636	19.302 ug/l	100
4) Vinyl Chloride	2.18	62	192168	20.015 ug/l	100
5) Bromomethane	2.57	94	111733	19.831 ug/l	99
6) Chloroethane	2.70	64	110852	19.983 ug/l	99
7) Trichlorofluoromethane	3.01	101	249490	20.293 ug/l	98
8) Diethyl Ether	3.41	74	84919	20.313 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	154796	20.153 ug/l	99
10) Methyl Iodide	3.95	142	117279	21.533 ug/l	99
11) Tert butyl alcohol	4.79	59	48153	102.297 ug/l #	88
12) 1,1-Dichloroethene	3.74	96	137061	19.874 ug/l	98
13) Acrolein	3.61	56	20892	88.473 ug/l	98
14) Allyl chloride	4.33	41	212948	19.816 ug/l	99
15) Acrylonitrile	4.99	53	244792	102.328 ug/l	100
16) Acetone	3.82	43	175178	95.715 ug/l	98
17) Carbon Disulfide	4.05	76	422676	18.282 ug/l	100
18) Methyl Acetate	4.33	43	143252	20.523 ug/l	98
19) Methyl tert-butyl Ether	5.05	73	357546	20.611 ug/l	98
20) Methylene Chloride	4.55	84	159583	19.154 ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	145857	19.554 ug/l	98
22) Diisopropyl ether	5.96	45	453738	21.187 ug/l	99
23) Vinyl Acetate	5.90	43	1396844	101.279 ug/l	99
24) 1,1-Dichloroethane	5.85	63	275614	20.046 ug/l	99
25) 2-Butanone	6.84	43	263958	88.607 ug/l	99
26) 2,2-Dichloropropane	6.83	77	218217	19.752 ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	161410	20.072 ug/l	98
28) Bromochloromethane	7.20	49	111695	19.118 ug/l	99
29) Tetrahydrofuran	7.22	42	175639	102.835 ug/l	99
30) Chloroform	7.37	83	275948	20.268 ug/l	98
31) Cyclohexane	7.66	56	244971	19.885 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	235211	20.113 ug/l	99
36) 1,1-Dichloropropene	7.79	75	205851	19.689 ug/l	100
37) Ethyl Acetate	6.93	43	122675	20.427 ug/l	99
38) Carbon Tetrachloride	7.77	117	209722	19.845 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	216956	19.181	ug/l	97
40) Benzene	8.04	78	634738	20.134	ug/l	100
41) Methacrylonitrile	7.19	41	62774m	19.314	ug/l	
42) 1,2-Dichloroethane	8.13	62	188282	19.975	ug/l	100
43) Isopropyl Acetate	8.17	43	210455	20.381	ug/l #	88
44) Trichloroethene	8.84	130	169250	20.355	ug/l	98
45) 1,2-Dichloropropane	9.12	63	167117	20.169	ug/l	99
46) Dibromomethane	9.21	93	97549	20.037	ug/l	98
47) Bromodichloromethane	9.40	83	204711	20.075	ug/l	96
48) Methyl methacrylate	9.20	41	105464	20.041	ug/l	100
49) 1,4-Dioxane	9.20	88	29063	405.117	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	602288	97.742	ug/l	100
52) Toluene	10.16	92	387711	20.760	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196148	19.325	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	234732	20.196	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	139566	20.134	ug/l	98
56) Ethyl methacrylate	10.43	69	158375	19.088	ug/l	100
57) 1,3-Dichloropropane	10.71	76	232573	20.327	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	337894	93.898	ug/l	99
59) 2-Hexanone	10.75	43	380303	92.707	ug/l	99
60) Dibromochloromethane	10.90	129	155977	20.097	ug/l	100
61) 1,2-Dibromoethane	11.01	107	137089	20.452	ug/l	99
64) Tetrachloroethene	10.63	164	150717	20.072	ug/l	98
65) Chlorobenzene	11.44	112	412095	19.944	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	155379	20.552	ug/l	98
67) Ethyl Benzene	11.51	91	679685	20.233	ug/l	100
68) m/p-Xylenes	11.62	106	534348	41.907	ug/l	100
69) o-Xylene	11.95	106	254441	20.756	ug/l	100
70) Styrene	11.96	104	395471	19.111	ug/l	99
71) Bromoform	12.13	173	104561	20.111	ug/l #	99
73) Isopropylbenzene	12.25	105	671365	21.939	ug/l	100
74) N-amyl acetate	12.07	43	157375	20.468	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	169598	22.341	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	136699m	21.119	ug/l	
77) Bromobenzene	12.53	156	170461	20.496	ug/l	100
78) n-propylbenzene	12.59	91	746668	21.842	ug/l	99
79) 2-Chlorotoluene	12.67	91	454540	21.347	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	545194	22.080	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39081	20.411	ug/l	98
82) 4-Chlorotoluene	12.77	91	445315	21.184	ug/l	100
83) tert-Butylbenzene	12.99	119	462186	21.613	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	550614	22.169	ug/l	100
85) sec-Butylbenzene	13.17	105	610050	21.771	ug/l	99
86) p-Isopropyltoluene	13.29	119	522865	21.899	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	281143	19.920	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	271634	19.556	ug/l	99
89) n-Butylbenzene	13.62	91	377050	19.745	ug/l	100
90) Hexachloroethane	13.87	117	98442	21.738	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	278157	20.428	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22266	20.260	ug/l	96

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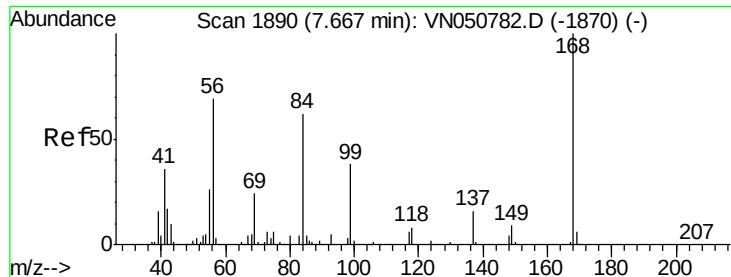
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	108000	18.085	ug/l	98
94) Hexachlorobutadiene	15.01	225	87446	21.016	ug/l	99
95) Naphthalene	15.13	128	205190	17.796	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	110319	18.815	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion:168 Resp: 614033

Ion Ratio Lower Upper

168 100

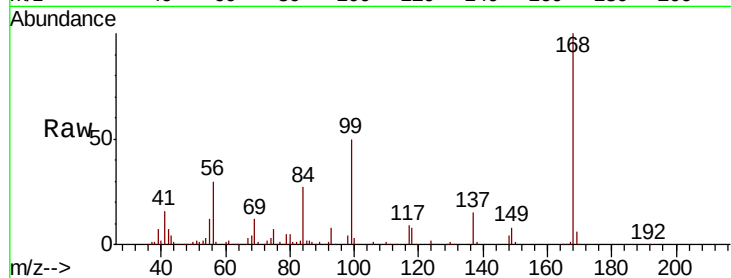
99 49.8 39.6 59.4

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

250000

200000

150000

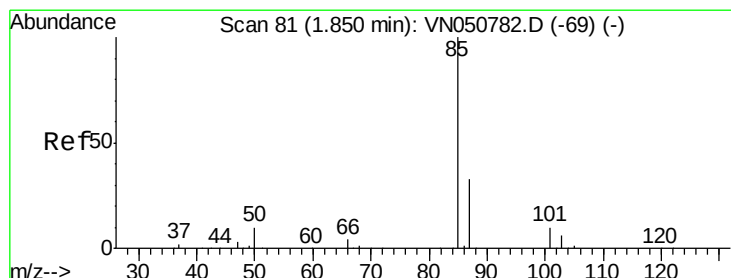
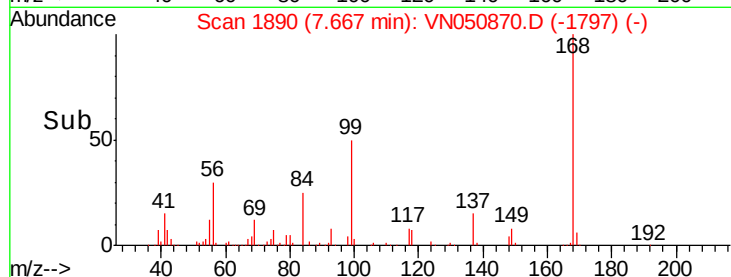
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.666 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050870.D

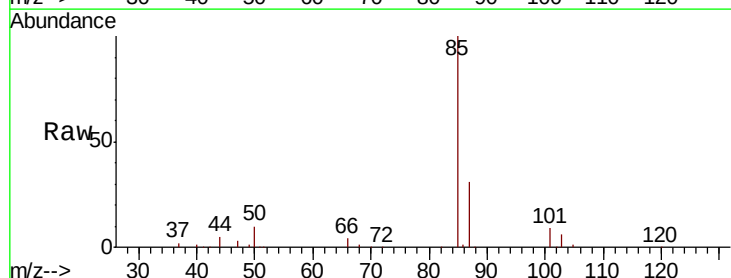
Acq: 24 Aug 2018 12:25

Tgt Ion: 85 Resp: 178040

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

150000

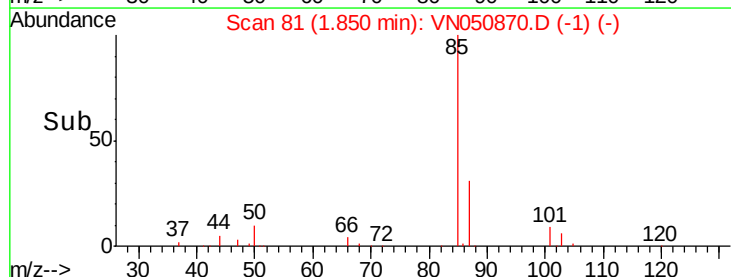
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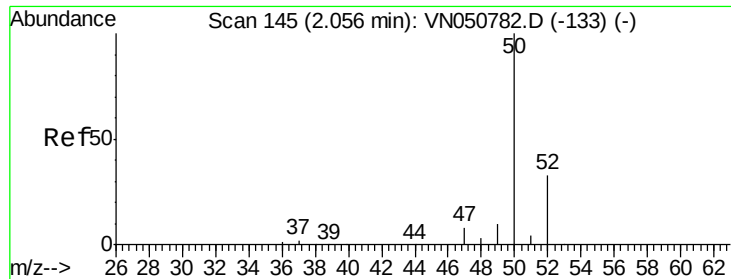
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.302 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 50 Resp: 195636

Ion Ratio Lower Upper

50 100

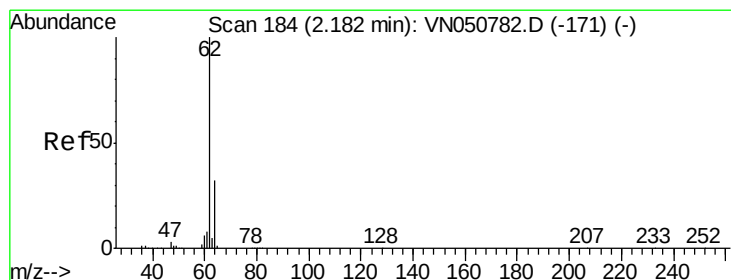
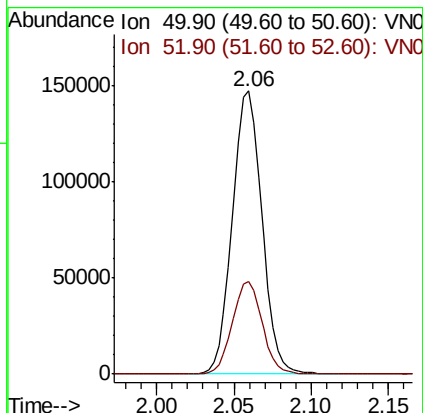
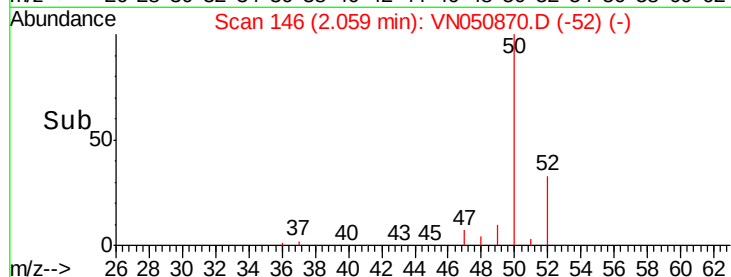
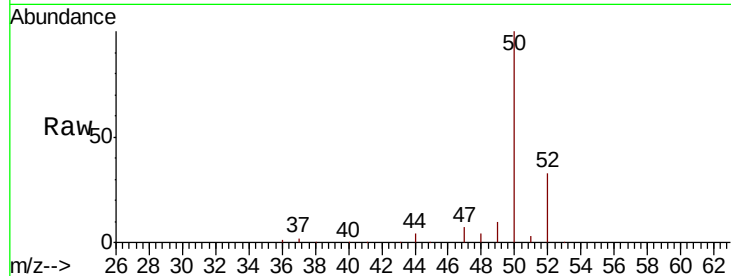
52 33.0 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.015 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050870.D

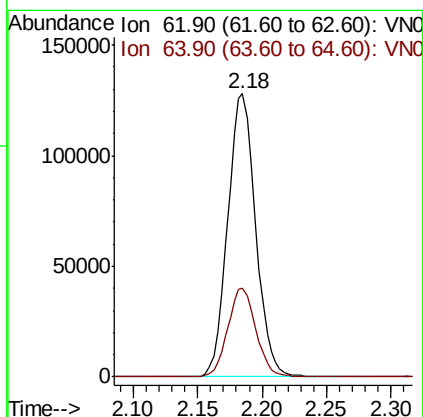
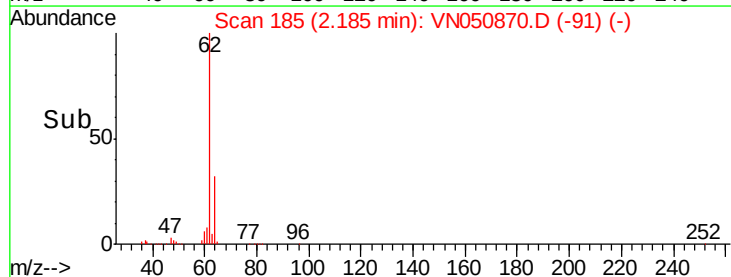
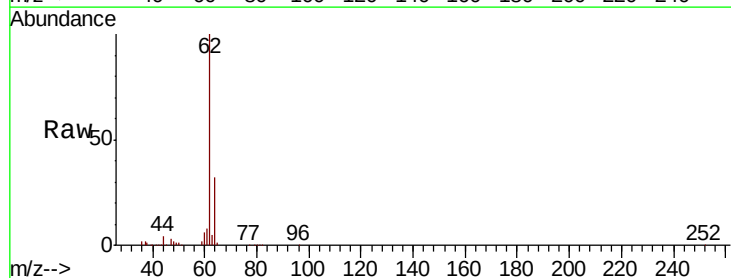
Acq: 24 Aug 2018 12:25

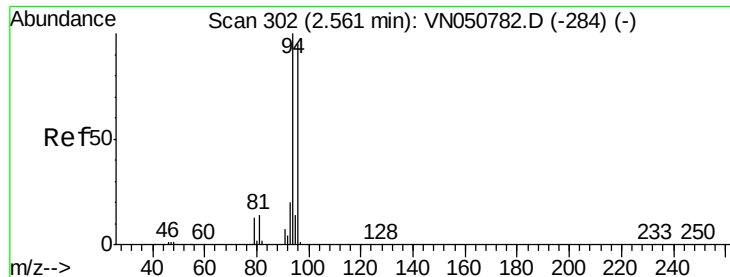
Tgt Ion: 62 Resp: 192168

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 19.831 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 94 Resp: 111733

Ion Ratio Lower Upper

94 100

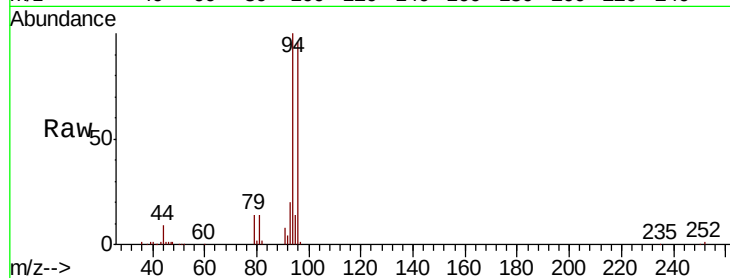
96 96.1 76.2 114.2

Manual Integrations

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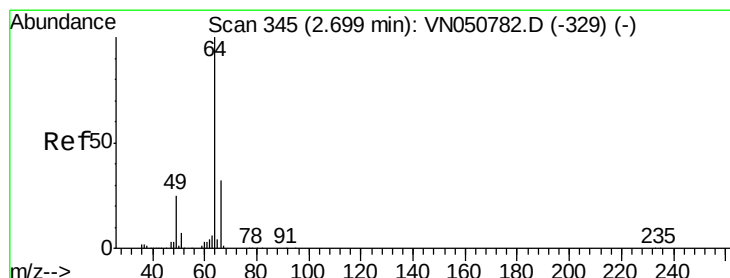
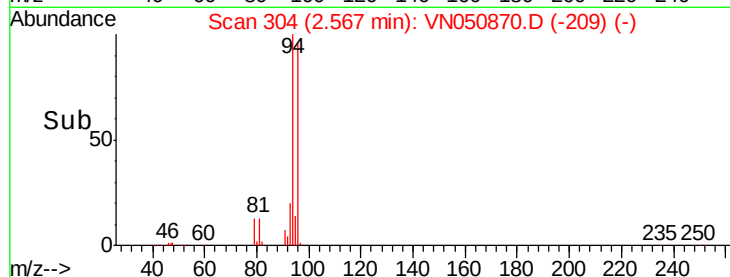
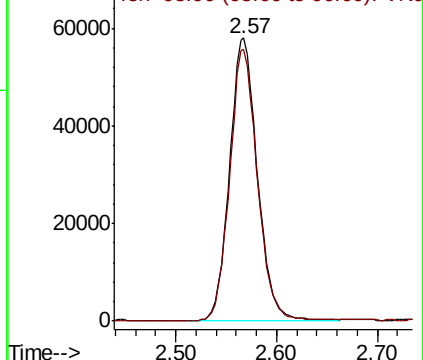
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.983 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050870.D

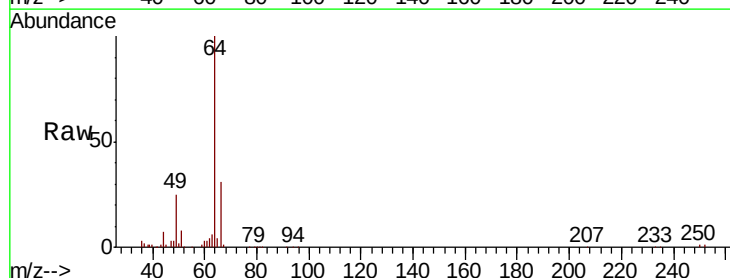
Acq: 24 Aug 2018 12:25

Tgt Ion: 64 Resp: 110852

Ion Ratio Lower Upper

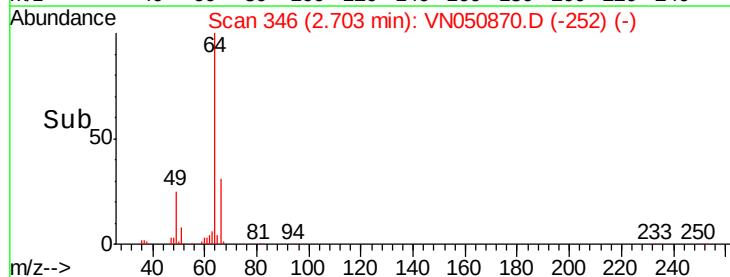
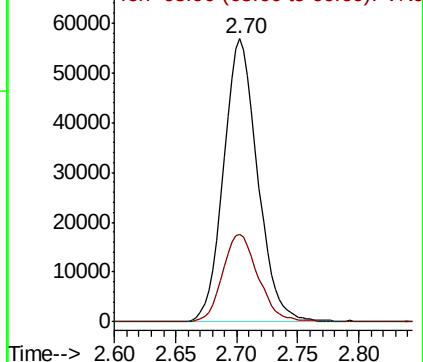
64 100

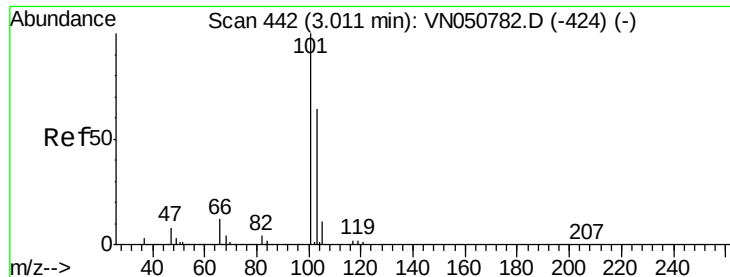
66 30.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

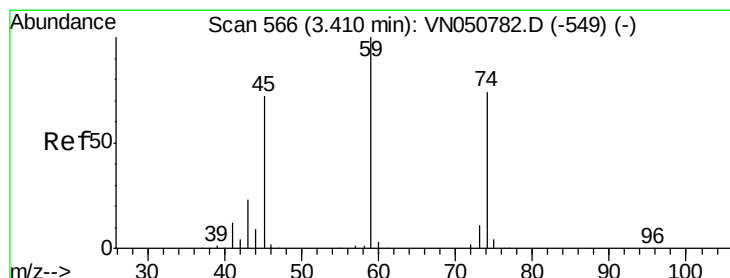
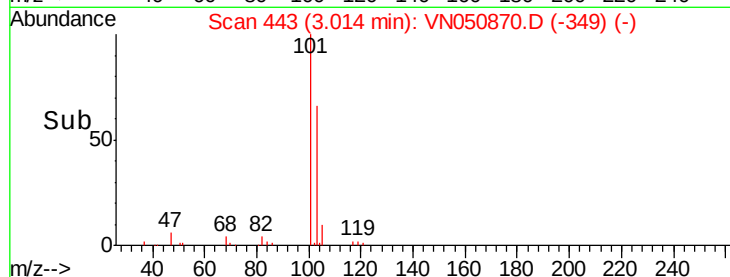
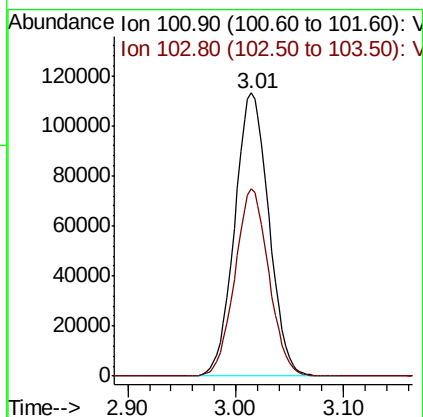
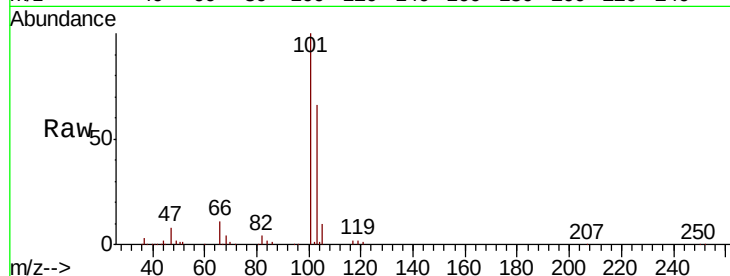
Trichlorofluoromethane
 Concen: 20.293 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	249490		
103	66.1	51.6	77.4	

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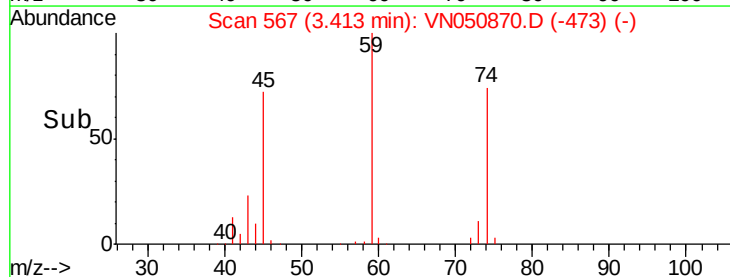
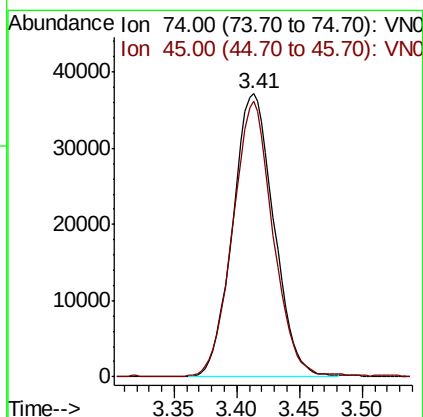
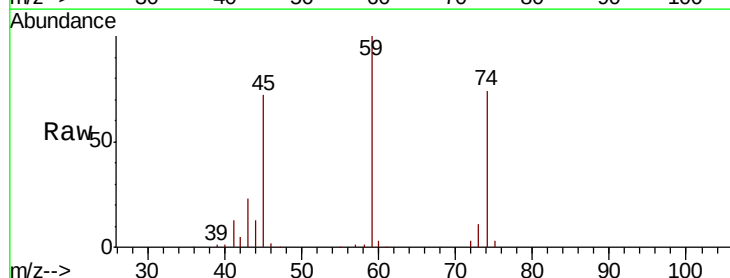
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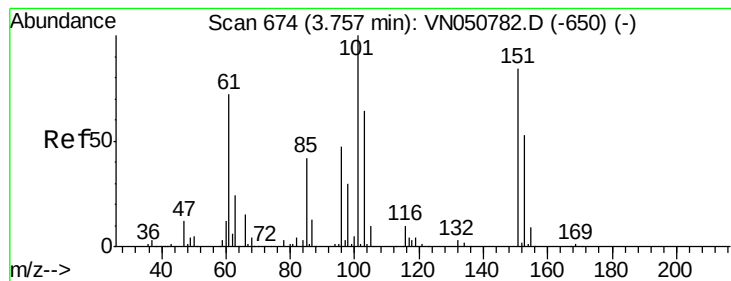


#8

Diethyl Ether
 Concen: 20.313 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	84919		
45	94.6	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.153 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

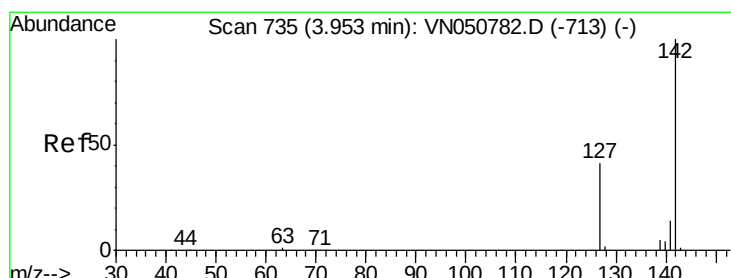
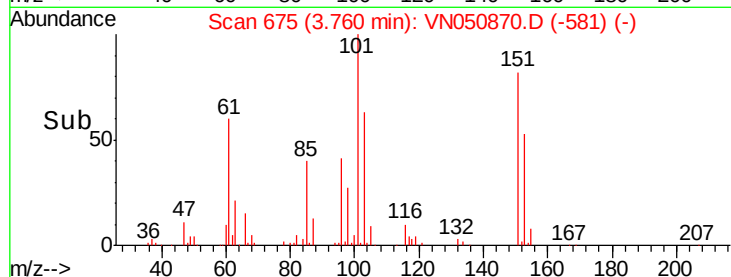
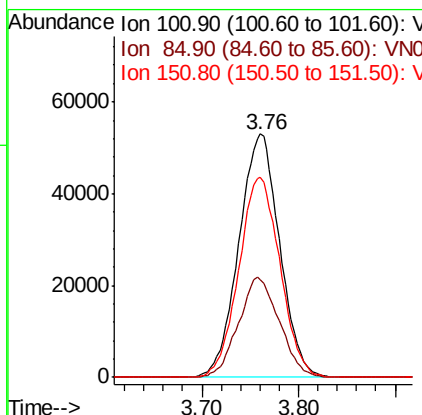
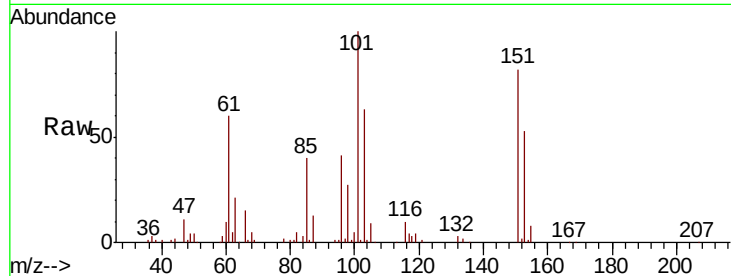
ClientSampleId :

VN0824WBS02

Tgt Ion:	101	Resp:	154796
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.7	50.5
151	83.4	67.4	101.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.533 ug/l

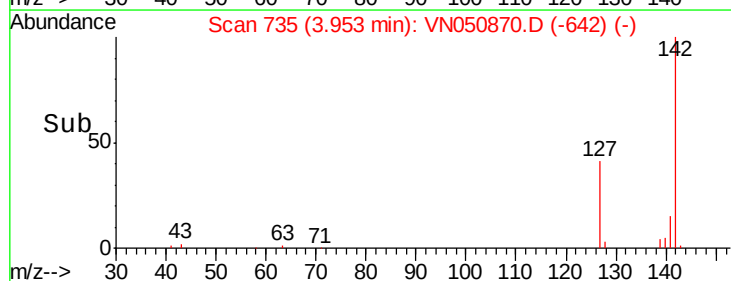
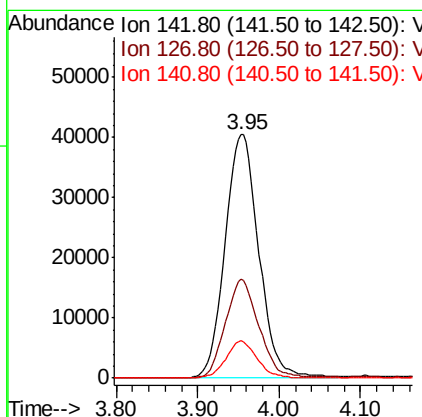
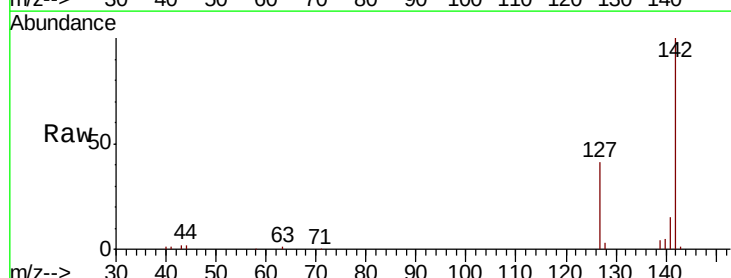
RT: 3.95 min Scan# 735

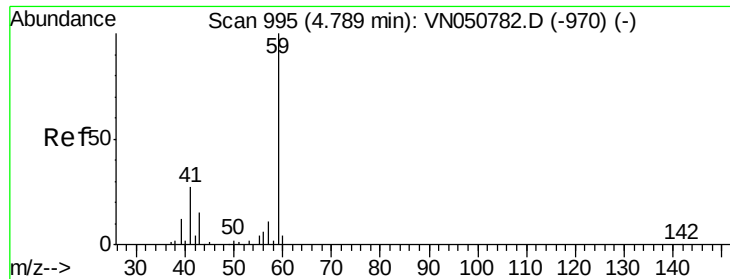
Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Tgt Ion:	142	Resp:	117279
Ion Ratio	Lower	Upper	
142	100		
127	40.3	31.7	47.5
141	14.0	11.4	17.0





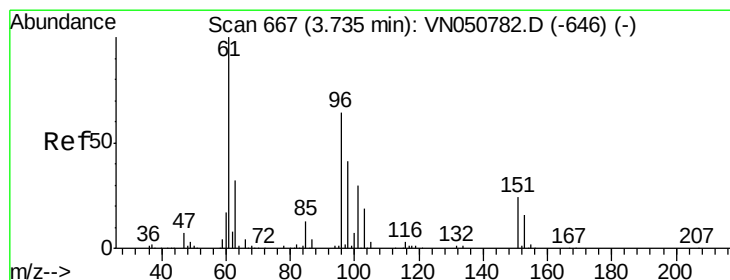
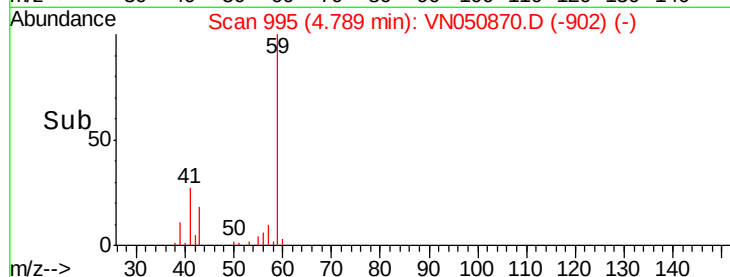
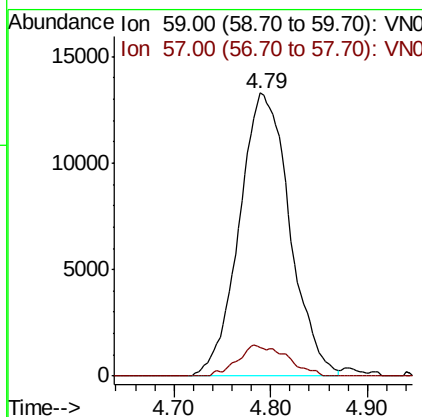
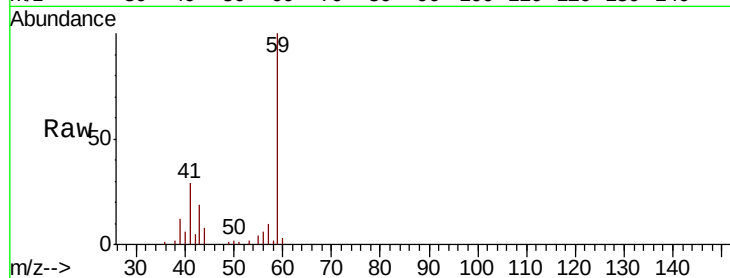
#11
Tert butyl alcohol
Concen: 102.297 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.1	8.3	12.5#

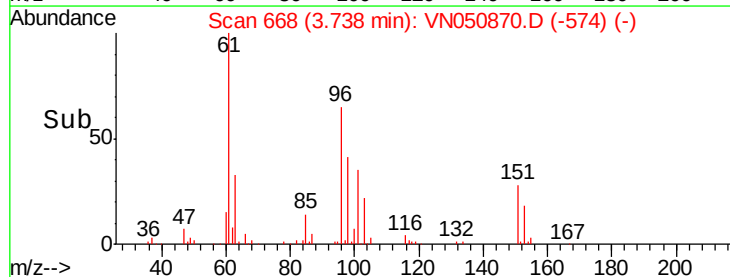
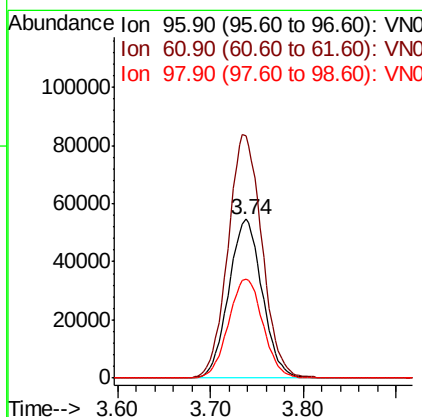
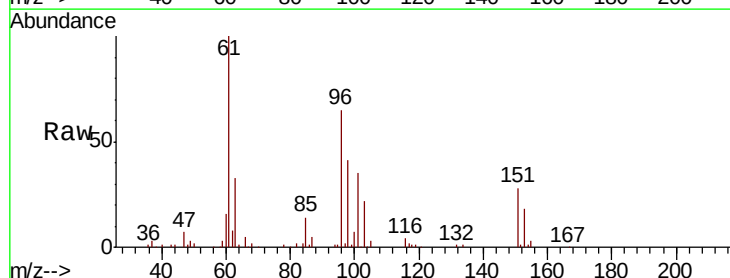
Manual Integrations
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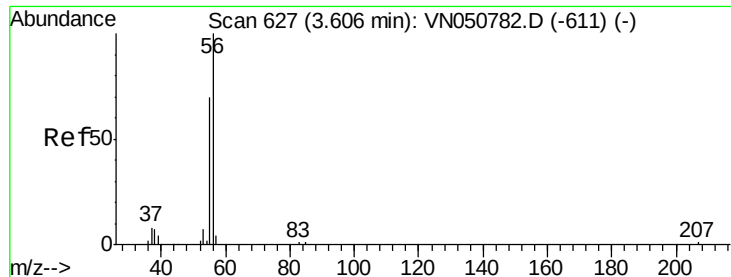
MMDadoda
8/25/2018 1:18:45 PM



#12
1,1-Dichloroethene
Concen: 19.874 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.8	124.9	187.3
98	62.3	51.1	76.7





#13

Acrolein

Concen: 88.473 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 56 Resp: 20892

Ion Ratio Lower Upper

56 100

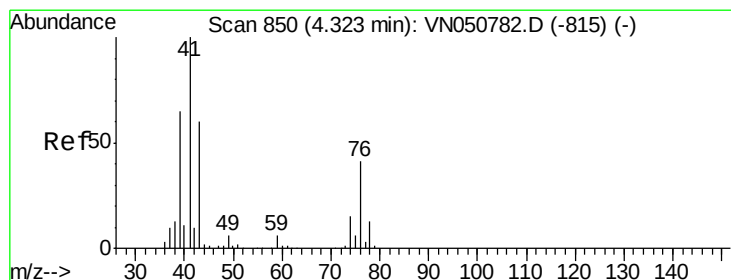
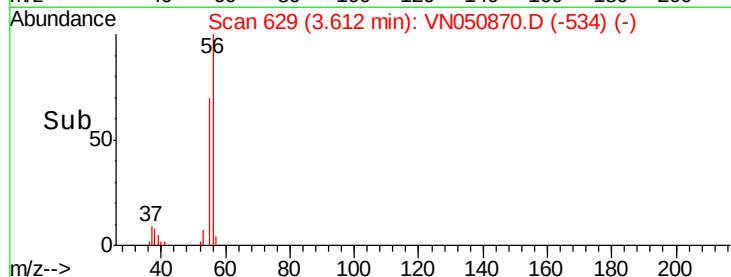
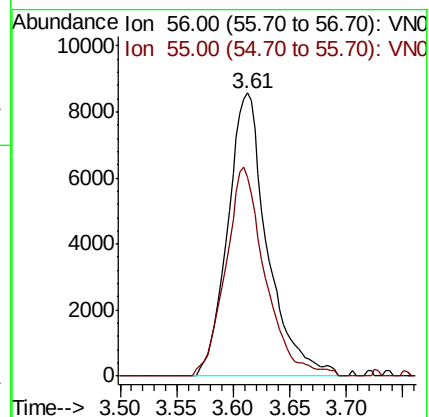
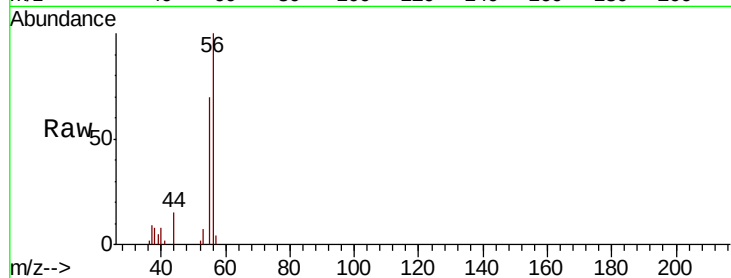
55 73.6 57.7 86.5

Manual Integrations

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8/25/2018 1:18:45 PM



#14

Allyl chloride

Concen: 19.816 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

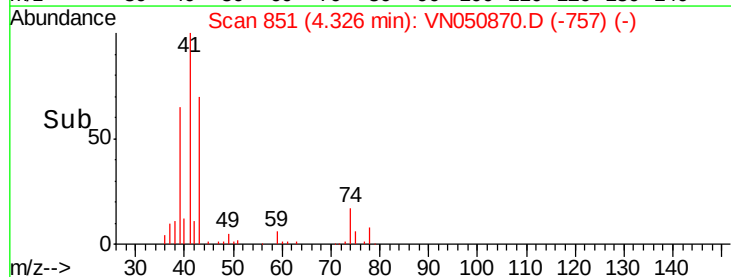
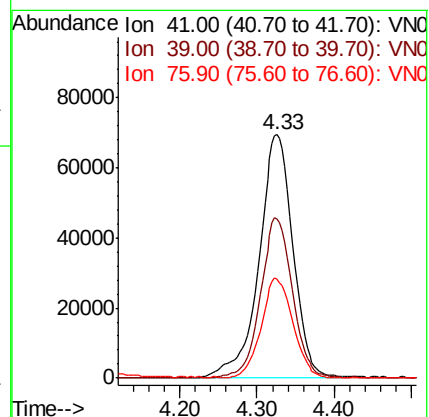
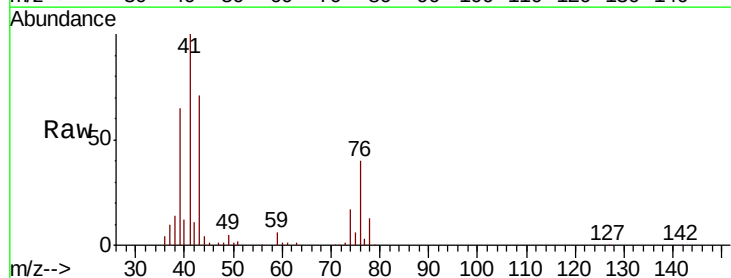
Tgt Ion: 41 Resp: 212948

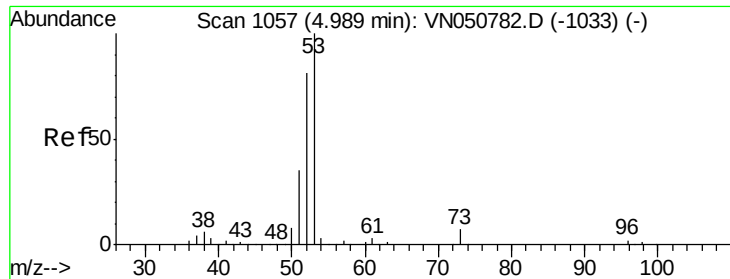
Ion Ratio Lower Upper

41 100

39 62.0 50.2 75.2

76 37.7 29.8 44.8





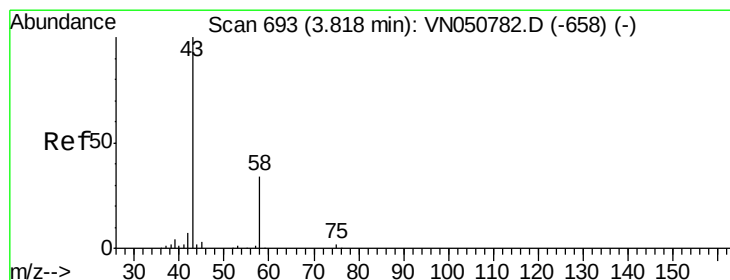
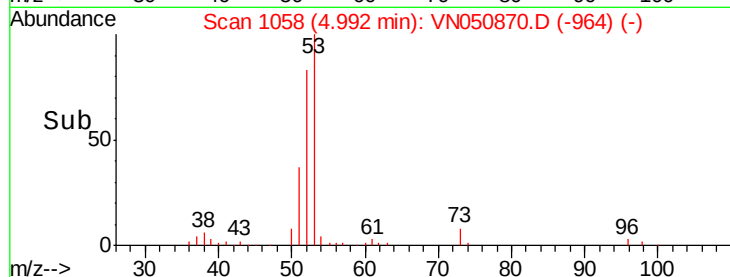
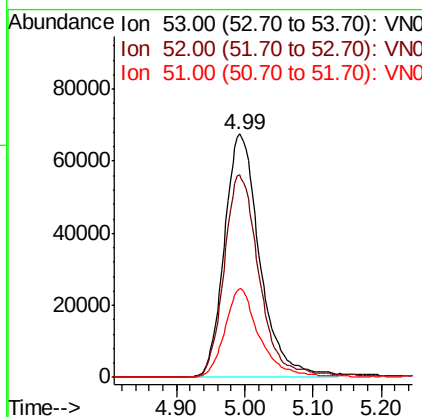
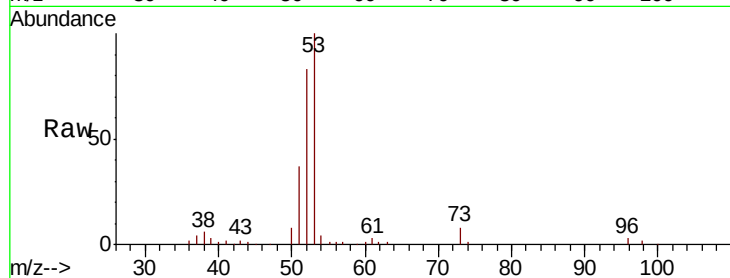
#15
 Acrylonitrile
 Concen: 102.328 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Tgt Ion:	53	Resp:	244792
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.9	98.9
51	35.7	28.6	43.0

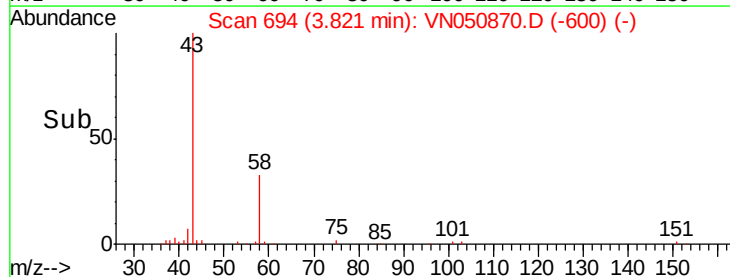
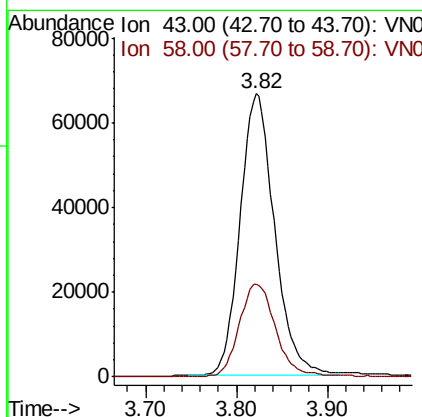
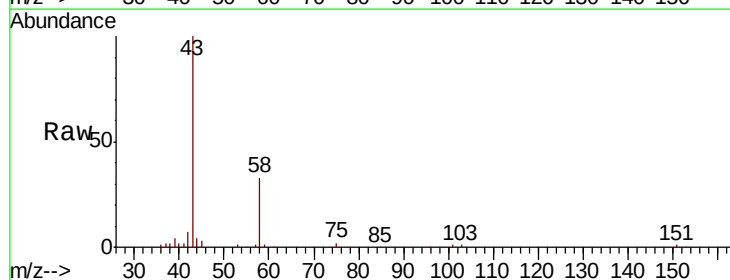
Manual Integrations
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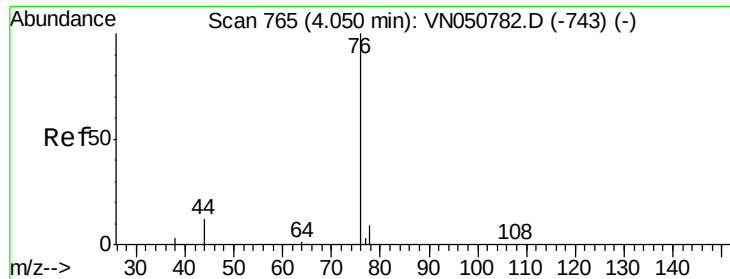
MMDadoda
 8/25/2018 1:18:45 PM



#16
 Acetone
 Concen: 95.715 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion:	43	Resp:	175178
Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.2	40.8





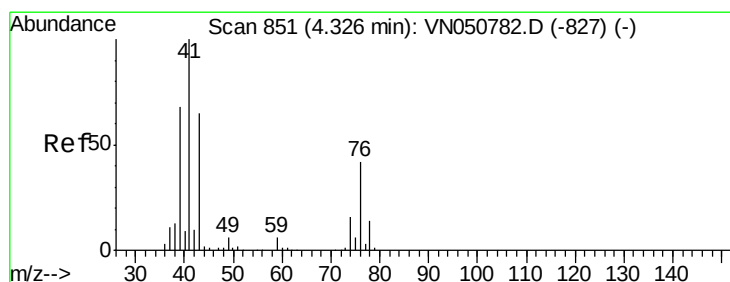
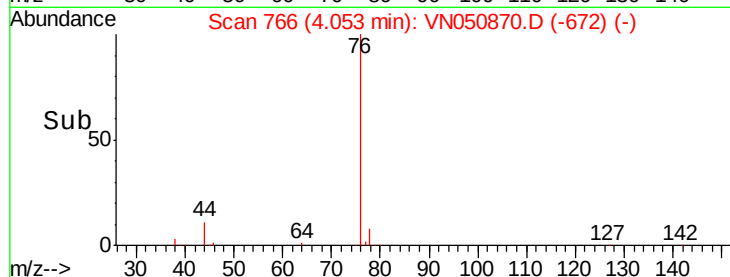
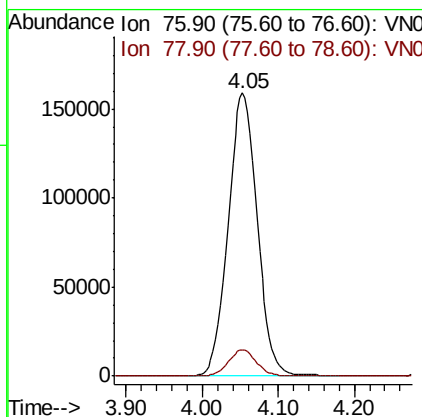
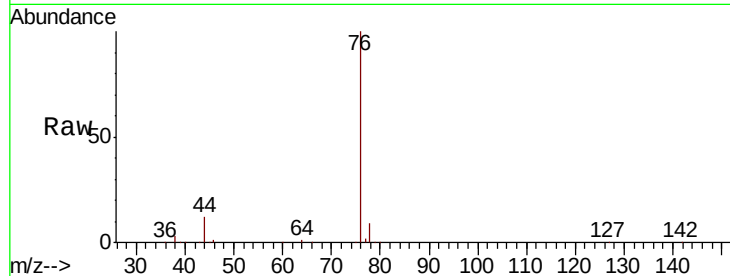
#17
Carbon Disulfide
Concen: 18.282 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

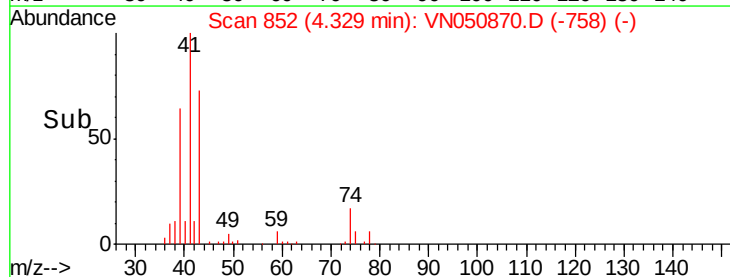
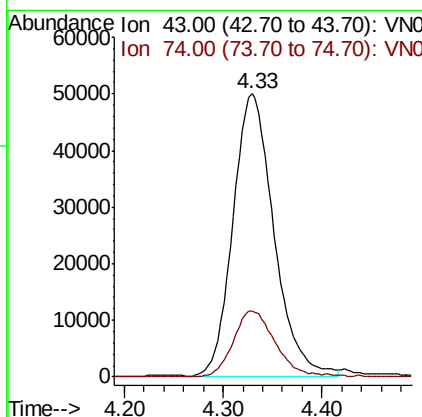
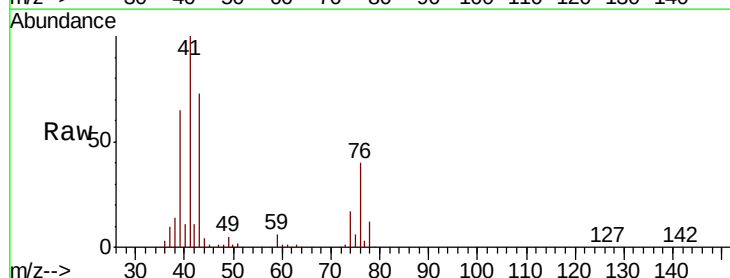
Manual Integrations
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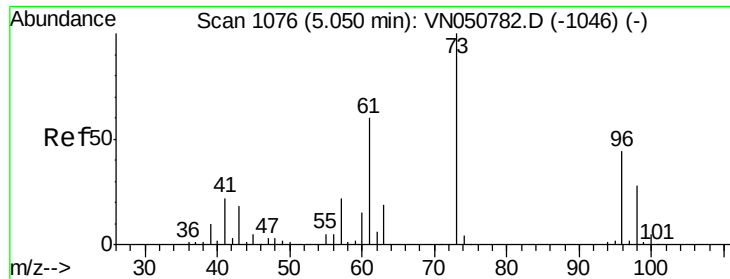
MMDadoda
8/25/2018 1:18:45 PM



#18
Methyl Acetate
Concen: 20.523 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.8	29.8





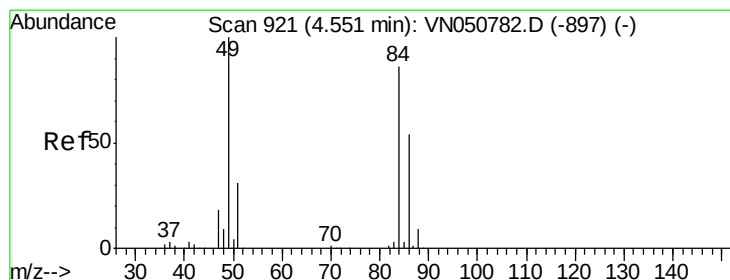
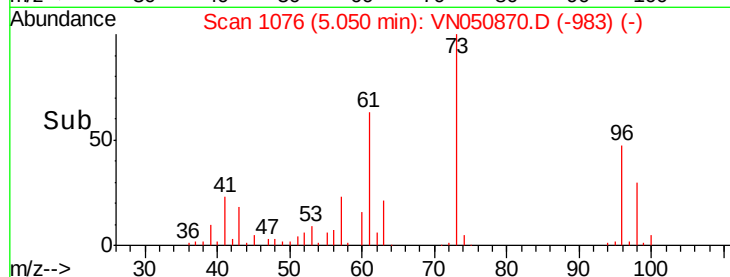
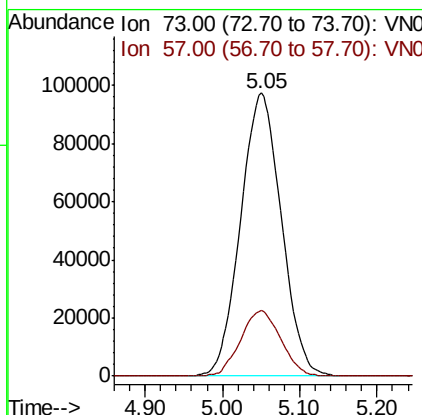
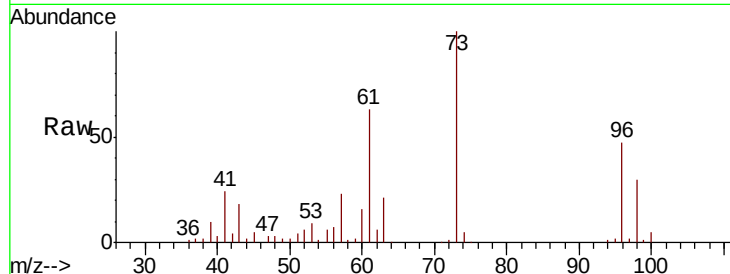
#19
Methyl tert-butyl Ether
Concen: 20.611 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion: 73 Resp: 357546
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8

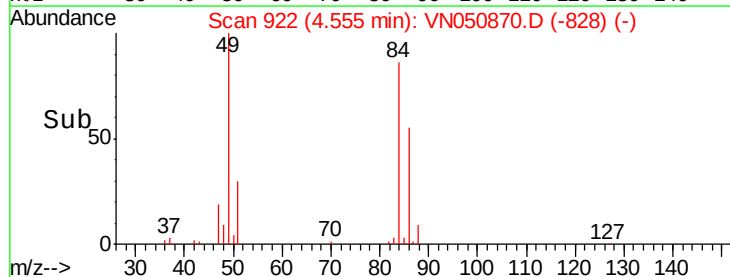
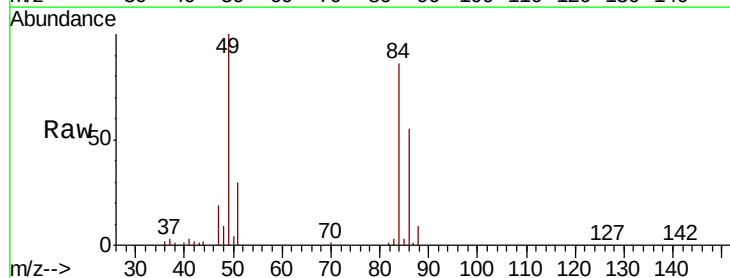
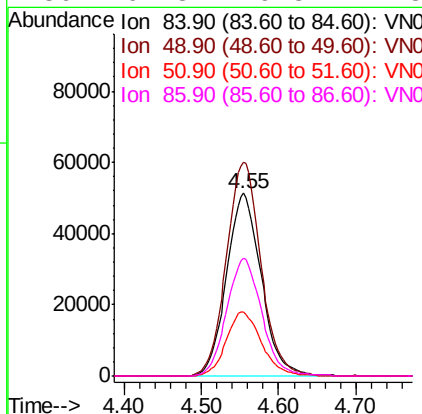
Manual Integrations
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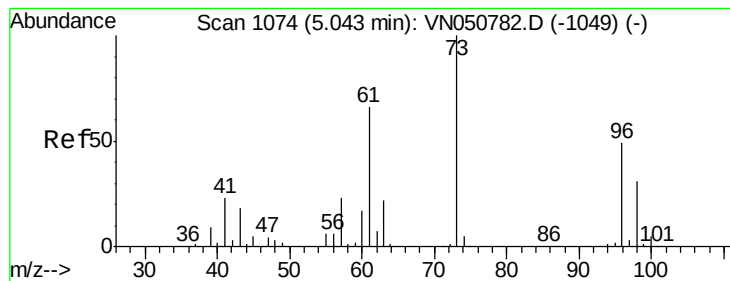
MMDadoda
8/25/2018 1:18:45 PM



#20
Methylene Chloride
Concen: 19.154 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion: 84 Resp: 159583
Ion Ratio Lower Upper
84 100
49 116.9 93.2 139.8
51 35.2 29.0 43.6
86 64.8 49.8 74.8





#21

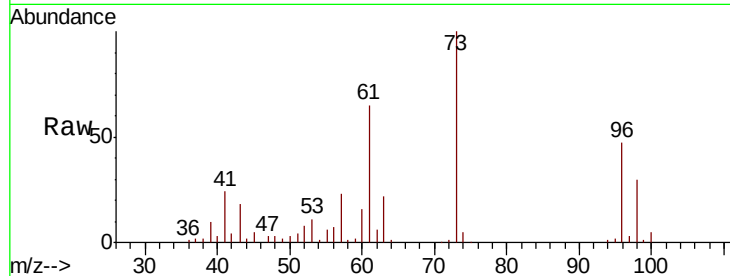
trans-1,2-Dichloroethene
Concen: 19.554 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.6	107.4	161.0
98	63.9	50.7	76.1

Manual Integrations
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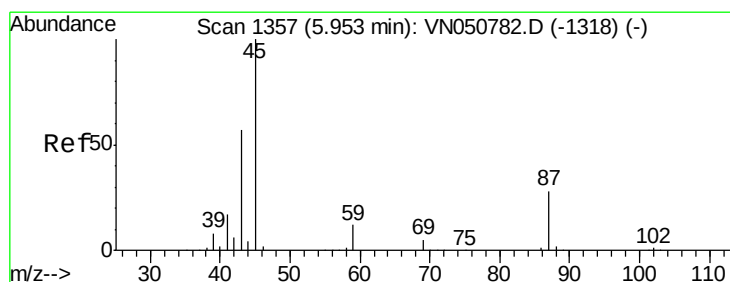
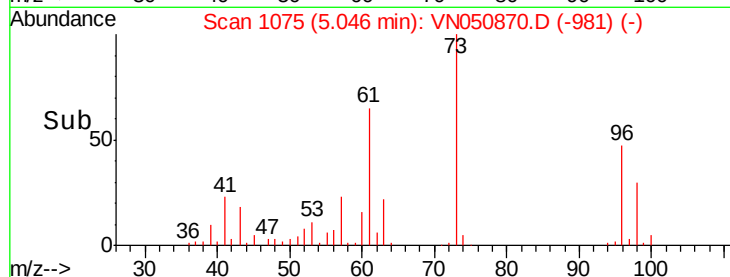
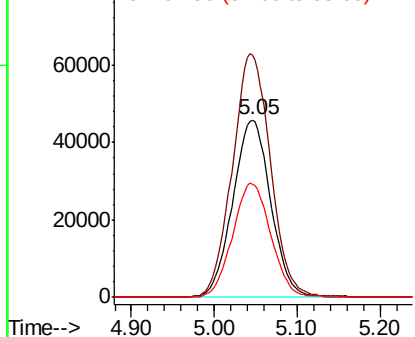


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 21.187 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	45.9	68.9
87	28.7	22.7	34.1
59	12.2	9.3	13.9

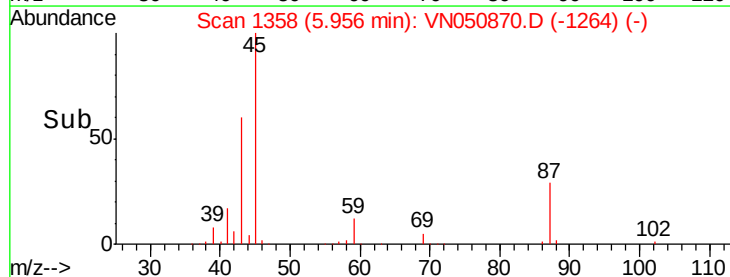
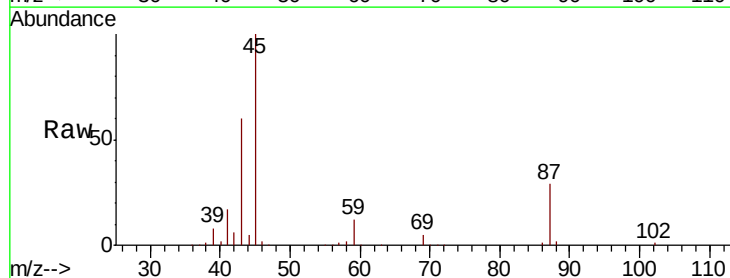
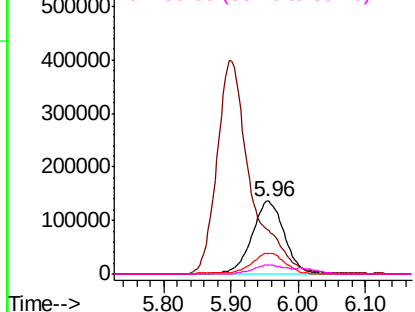
Abundance

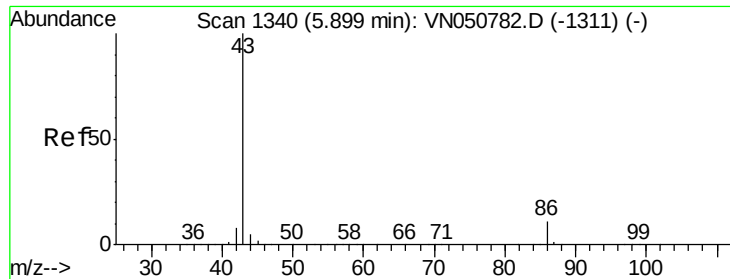
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





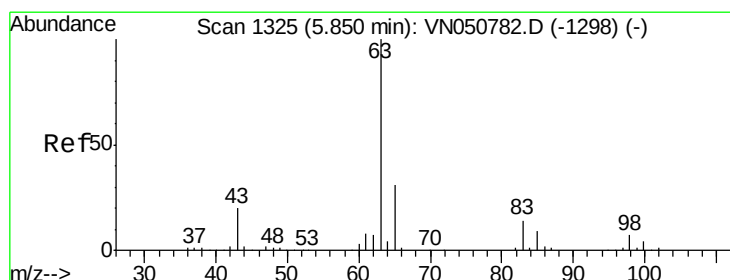
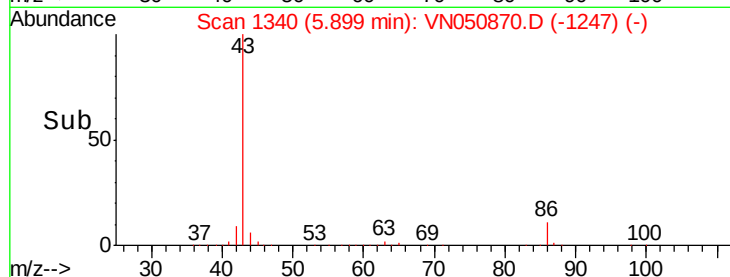
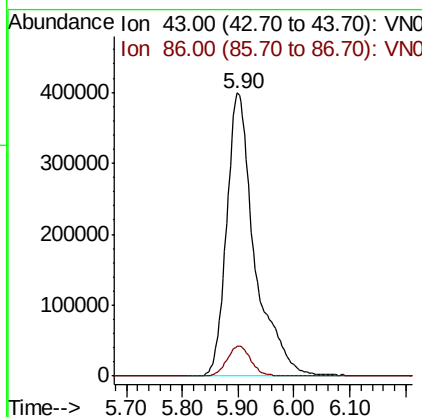
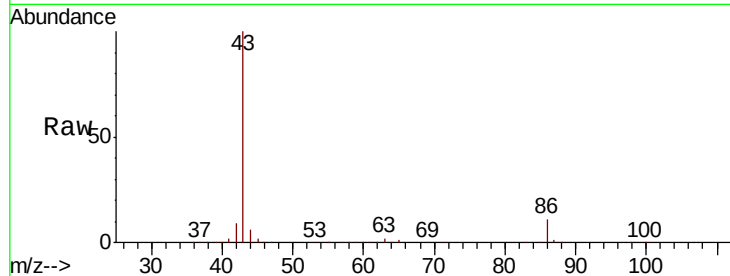
#23
 Vinyl Acetate
 Concen: 101.279 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Tgt Ion: 43 Resp: 1396844
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.7 13.1

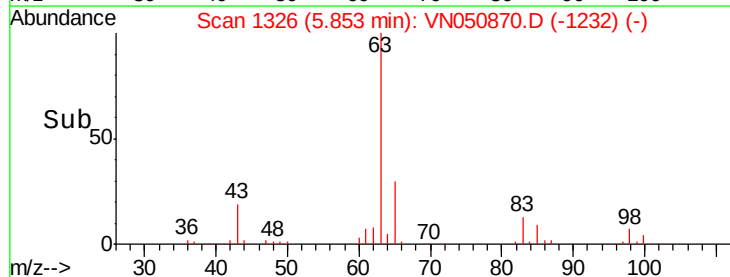
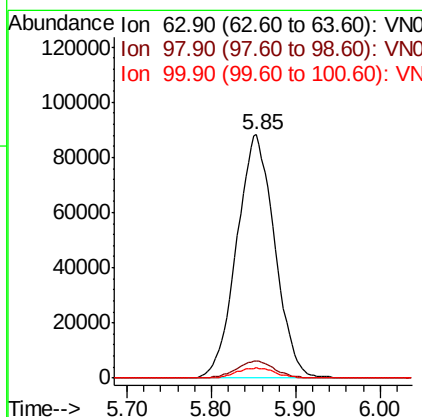
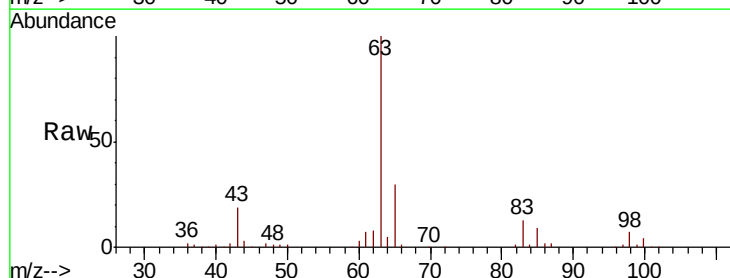
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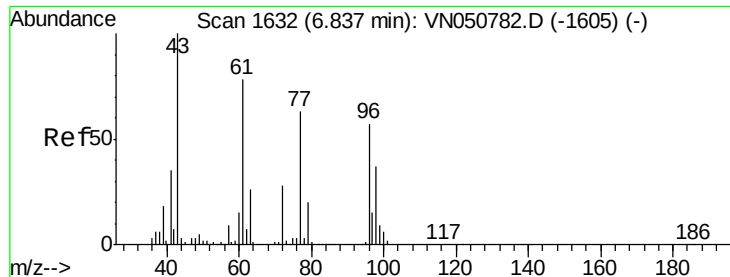
MMDadoda
 8/25/2018 1:18:45 PM



#24
 1,1-Dichloroethane
 Concen: 20.046 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion: 63 Resp: 275614
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 88.607 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 43 Resp: 263958

Ion Ratio Lower Upper

43 100

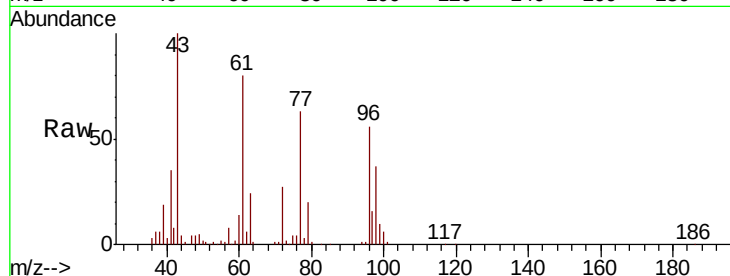
72 27.5 22.3 33.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN050870.D (-1605) (-)

Ion 72.00 (71.70 to 72.70): VN050870.D (-1605) (-)

6.84

100000

80000

60000

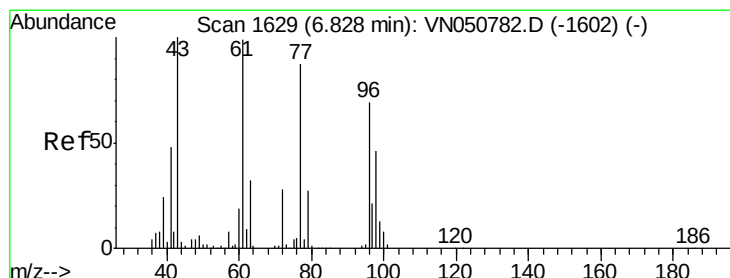
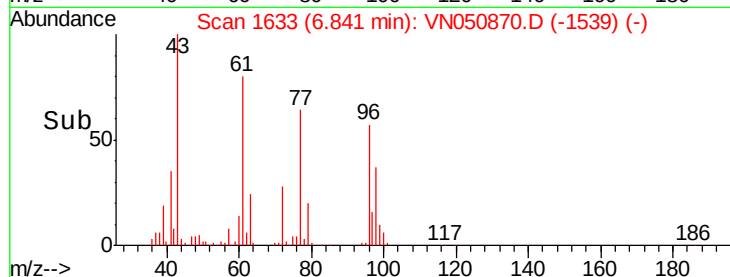
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 19.752 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050870.D

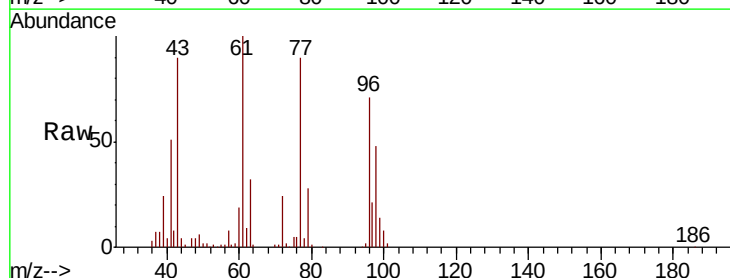
Acq: 24 Aug 2018 12:25

Tgt Ion: 77 Resp: 218217

Ion Ratio Lower Upper

77 100

97 23.8 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN050870.D (-1536) (-)

Ion 96.90 (96.60 to 97.60): VN050870.D (-1536) (-)

6.83

80000

60000

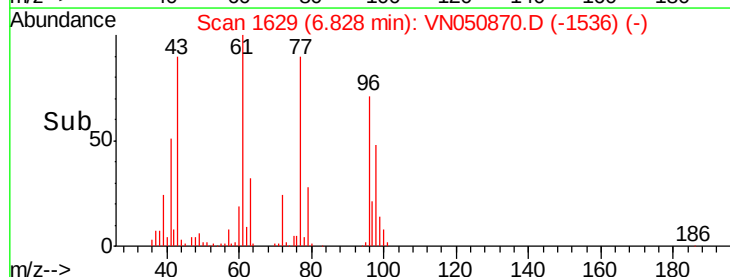
40000

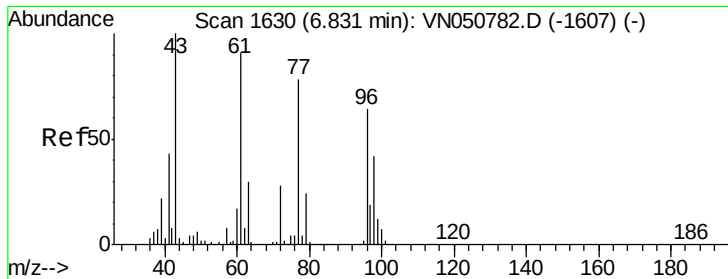
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.072 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

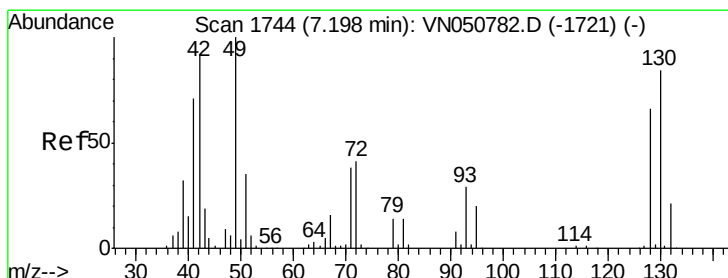
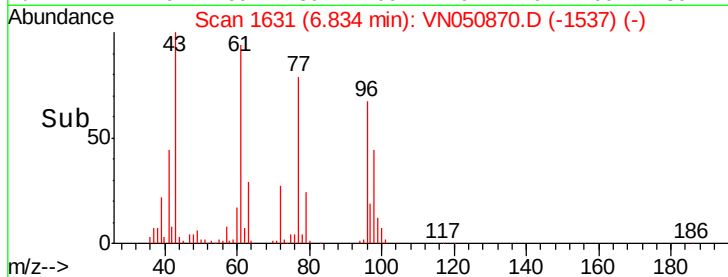
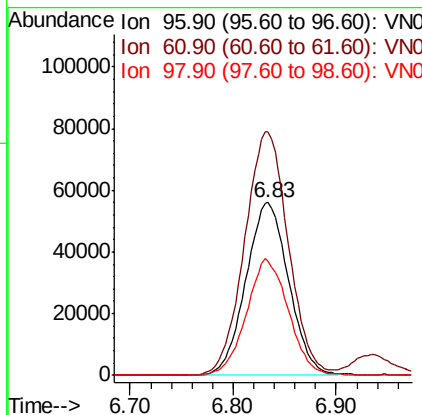
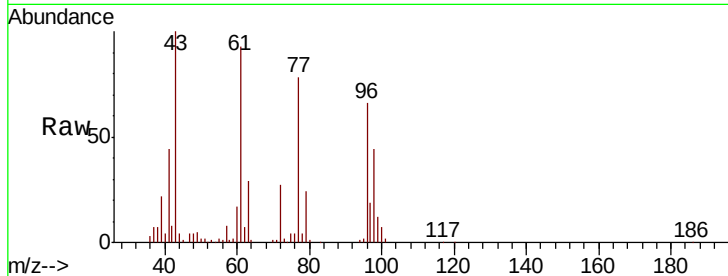
ClientSampleId :

VN0824WBS02

Tgt Ion:	96	Resp:	161410
Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	283.4
98	66.1	0.0	129.8

Manual Integrations
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8/25/2018 1:18:45 PM



#28

Bromochloromethane

Concen: 19.118 ug/l

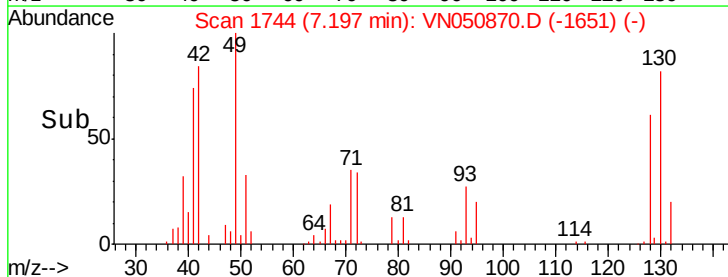
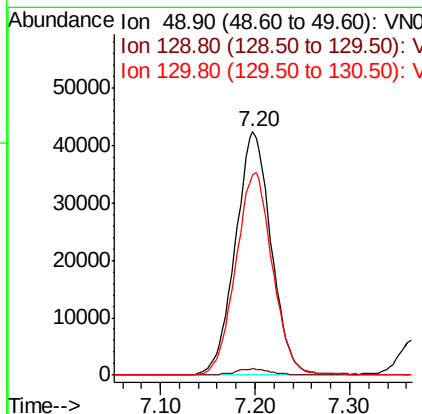
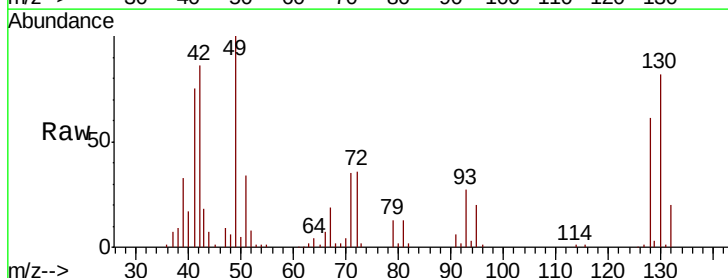
RT: 7.20 min Scan# 1744

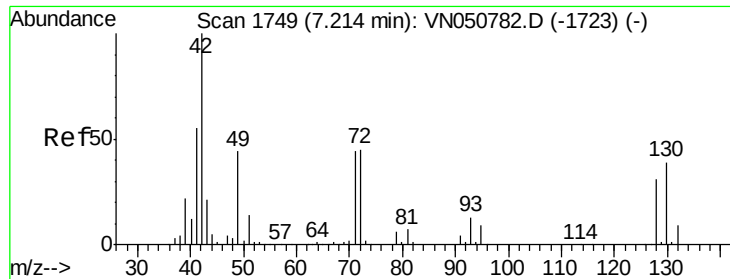
Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Tgt Ion:	49	Resp:	111695
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	85.0	67.1	100.7





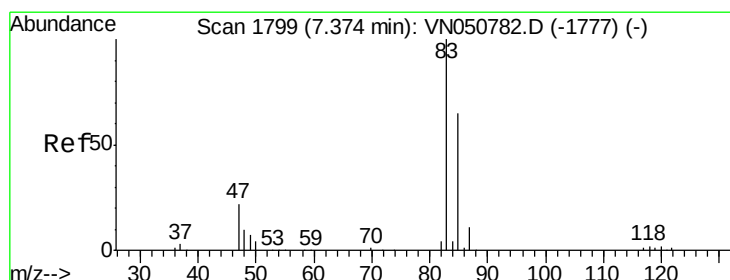
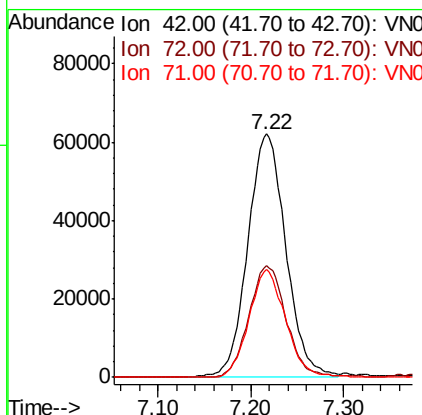
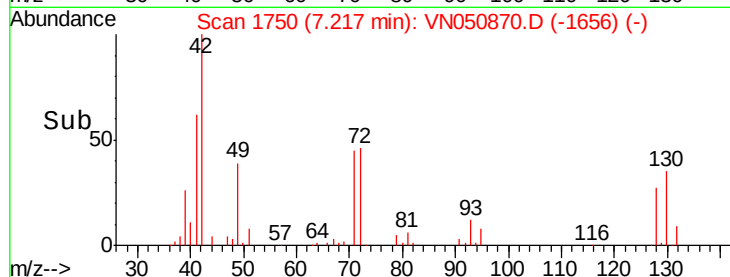
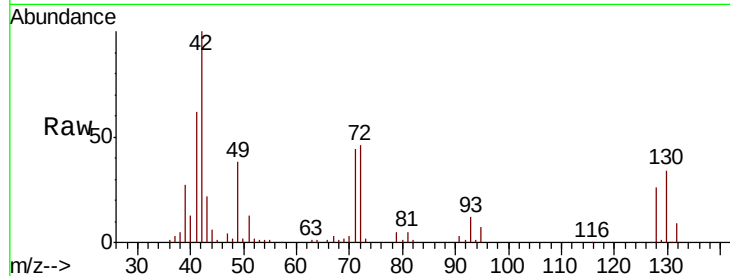
#29
Tetrahydrofuran
Concen: 102.835 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.5	53.3
71	43.1	33.7	50.5

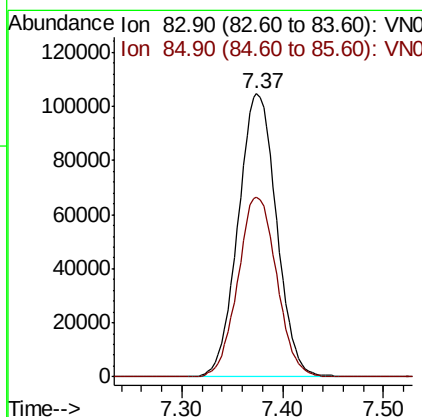
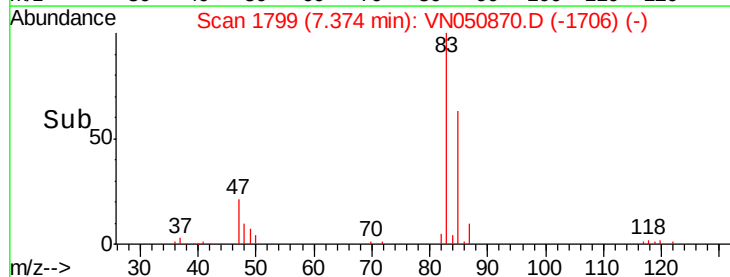
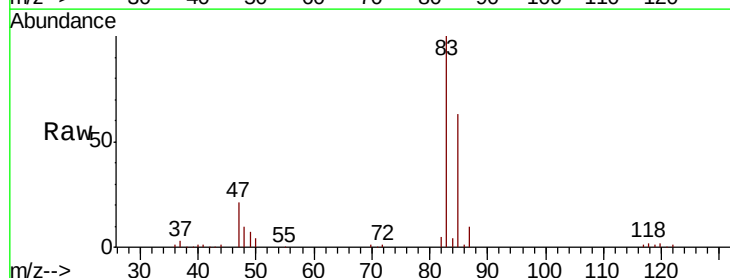
Manual Integrations
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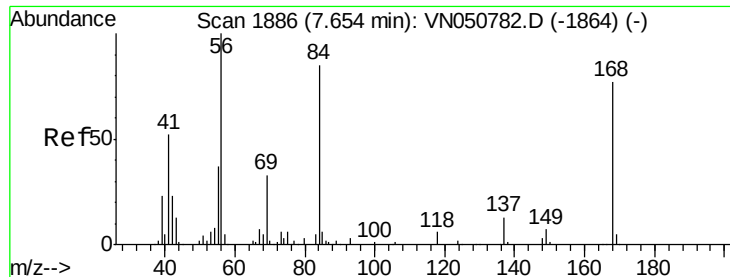
MMDadoda
8/25/2018 1:18:45 PM



#30
Chloroform
Concen: 20.268 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.2	78.4





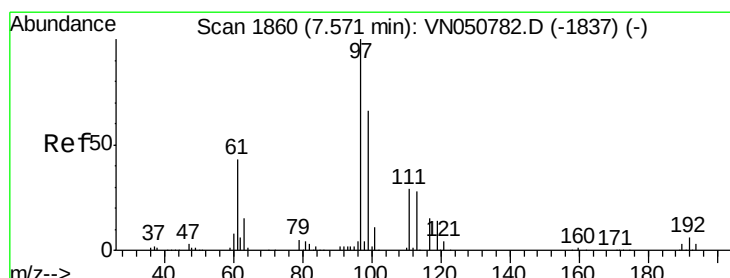
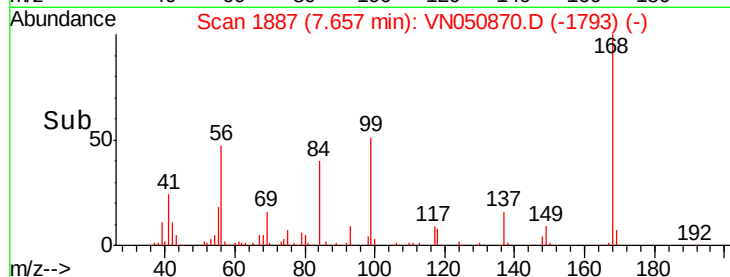
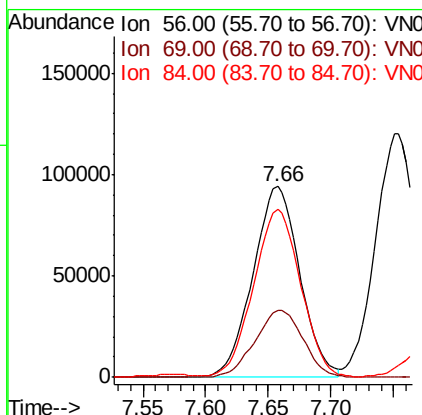
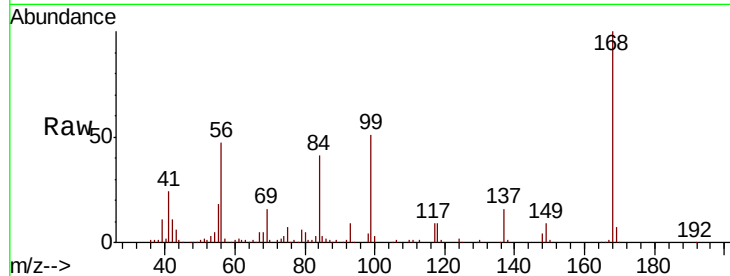
#31
Cyclohexane
Concen: 19.885 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	35.1	26.2	39.4
84	87.1	68.3	102.5

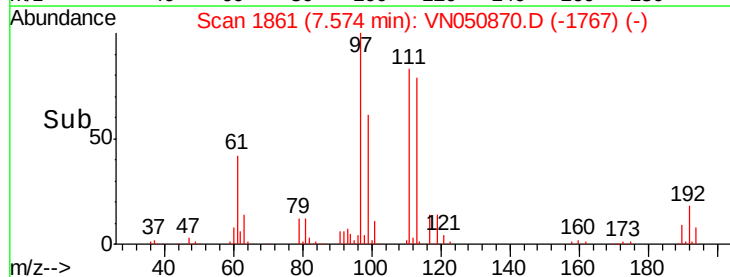
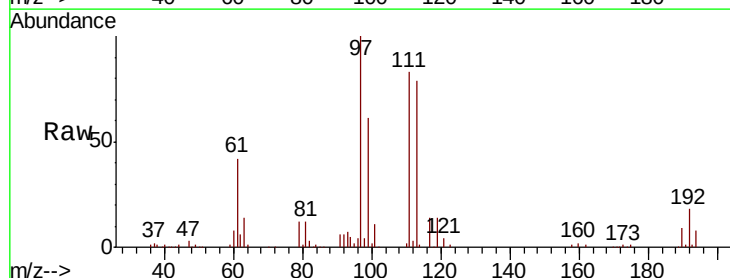
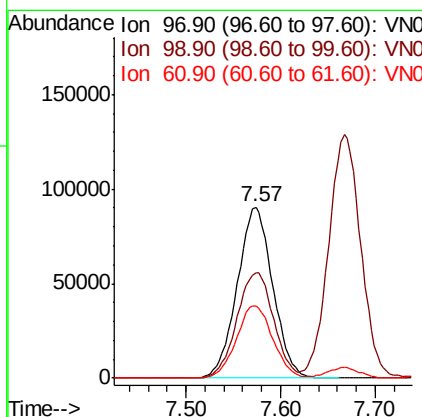
Manual Integrations
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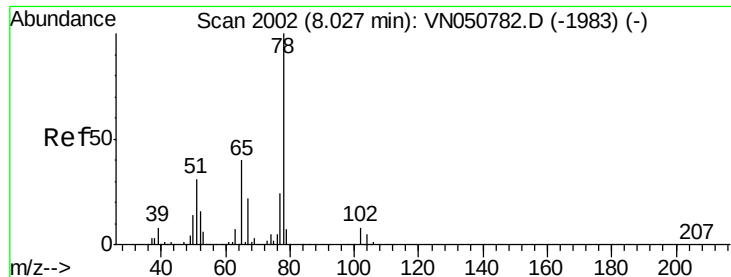
MMDadoda
8/25/2018 1:18:45 PM



#32
1,1,1-Trichloroethane
Concen: 20.113 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	43.4	34.9	52.3





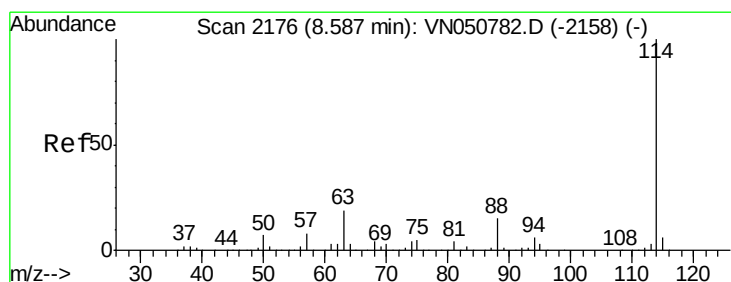
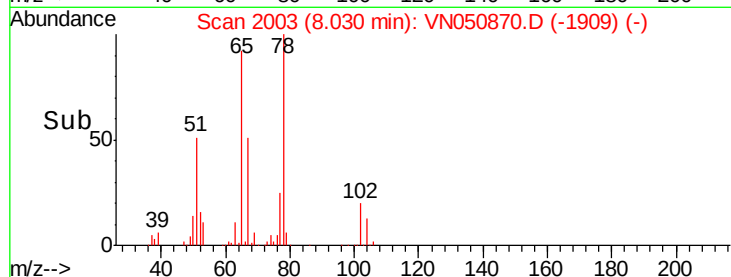
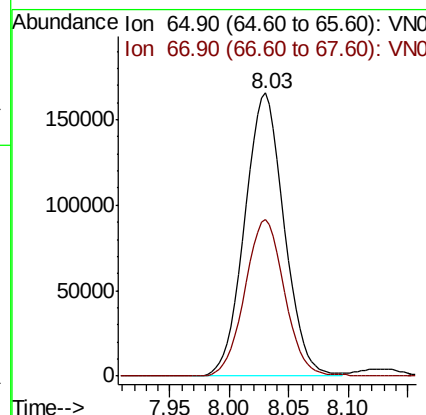
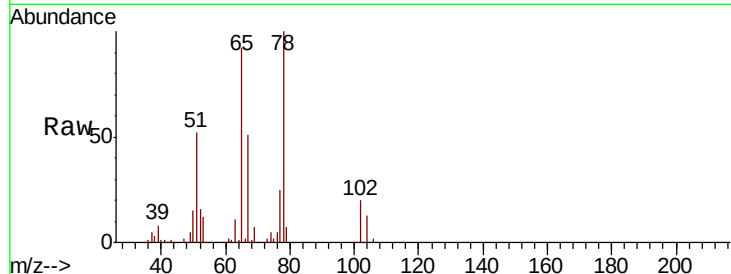
#33
 1,2-Dichloroethane-d4
 Concen: 51.422 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	380119		
67	55.6	0.0	110.4	

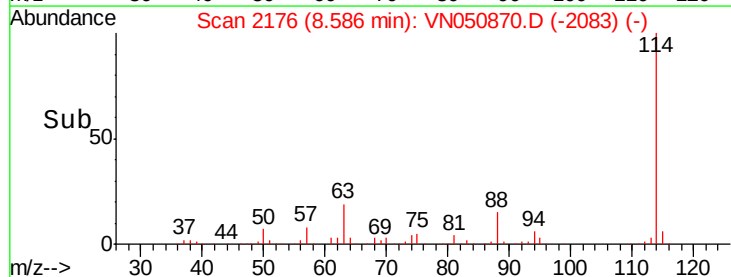
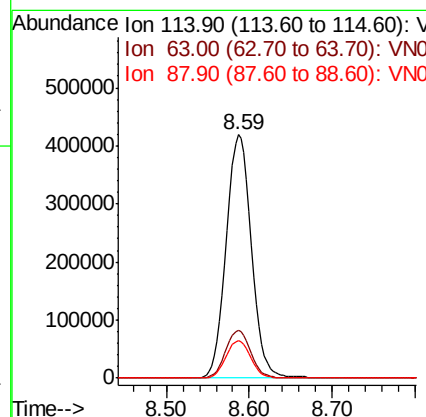
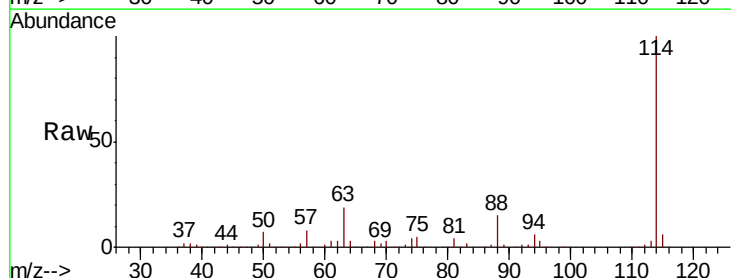
Manual Integrations
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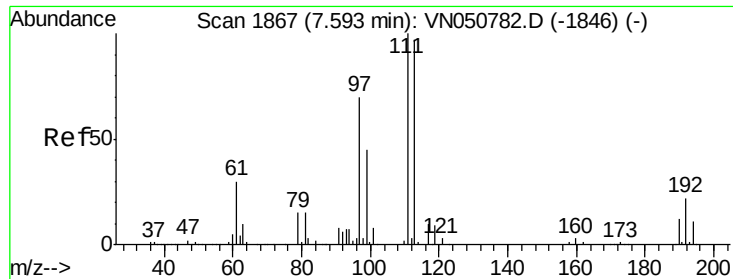
MMDadoda
 8/25/2018 1:18:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	885977		
63	19.5	0.0	38.6	
88	15.2	0.0	30.6	





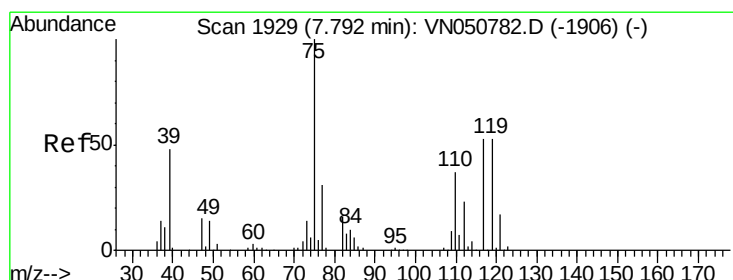
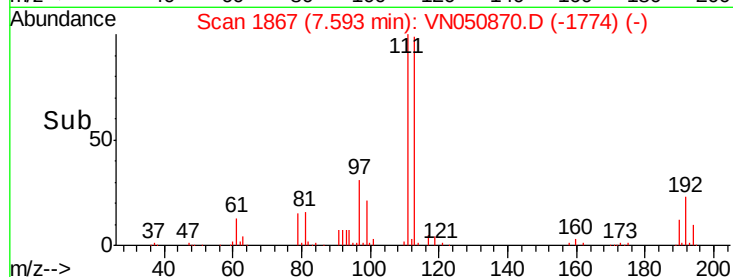
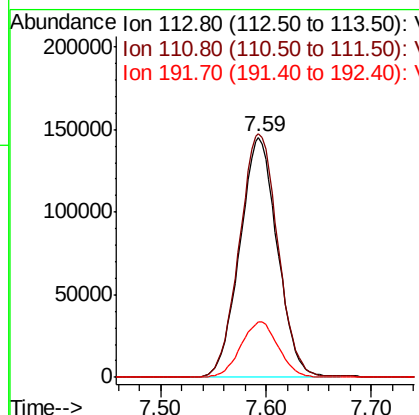
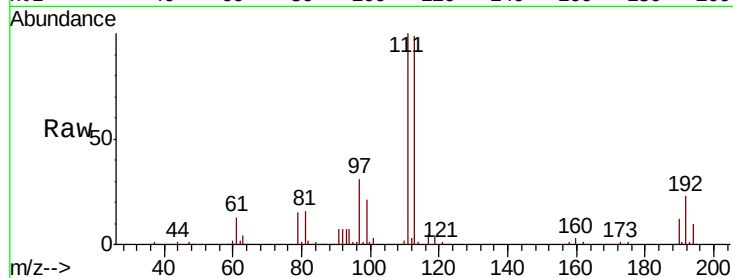
#35
 Dibromofluoromethane
 Concen: 51.108 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	360232		
111	103.8	82.6	123.8	
192	23.1	18.0	27.0	

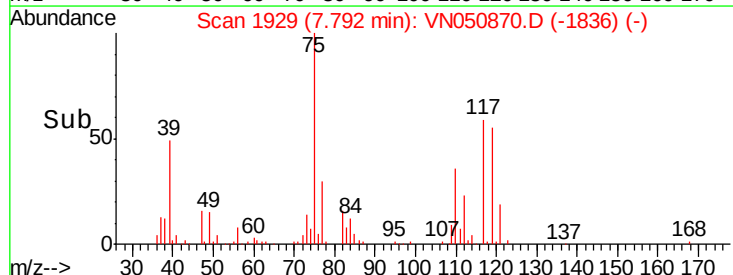
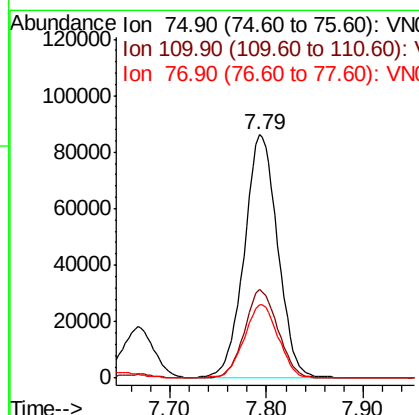
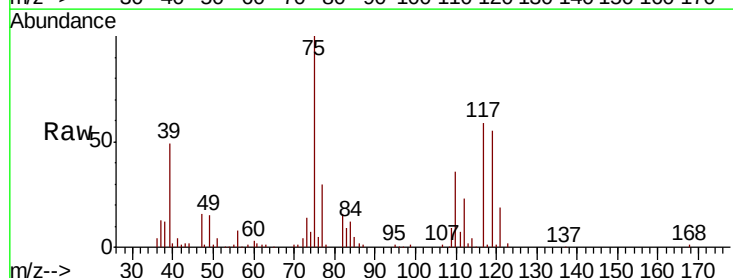
Manual Integrations
 APPROVED

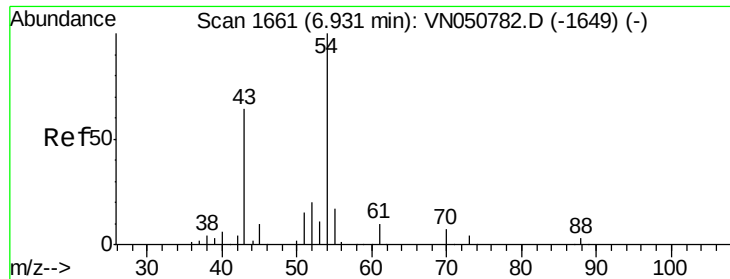
MMDadoda
 8/25/2018 1:18:45 PM



#36
 1,1-Dichloropropene
 Concen: 19.689 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	205851		
110	36.4	18.1	54.4	
77	31.1	24.8	37.2	





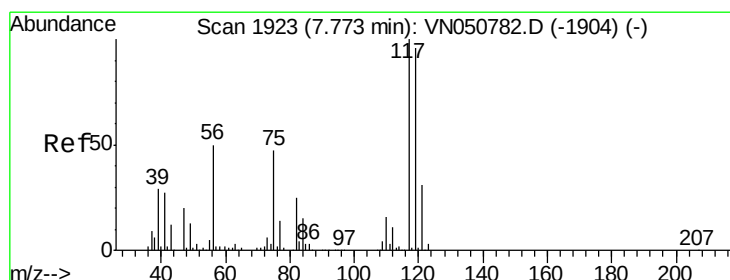
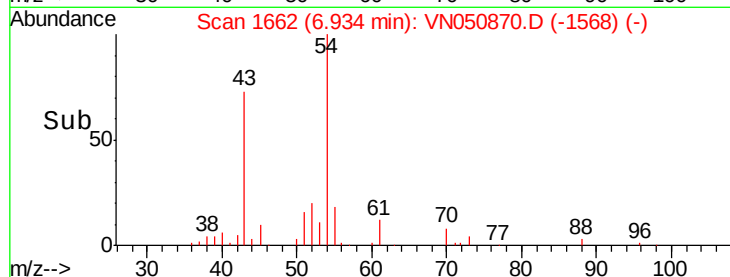
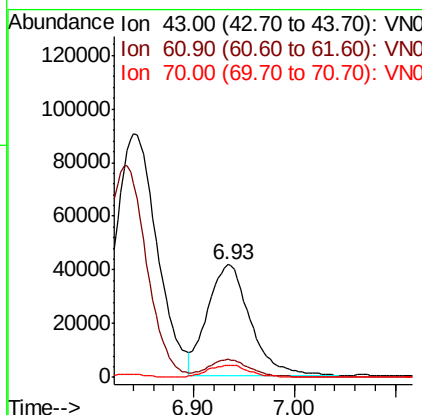
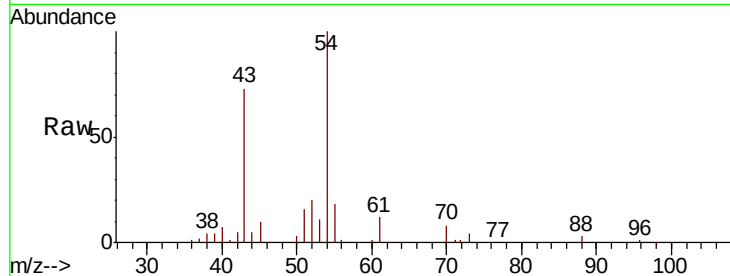
#37
Ethyl Acetate
Concen: 20.427 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
70	10.6	8.6	13.0

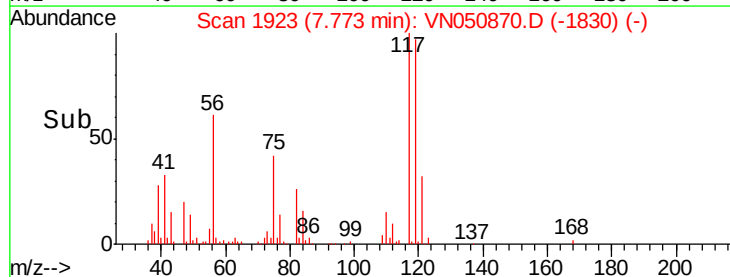
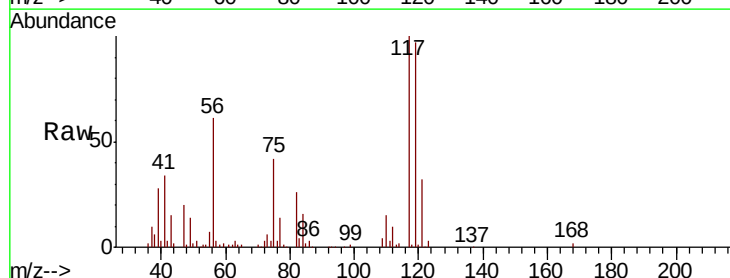
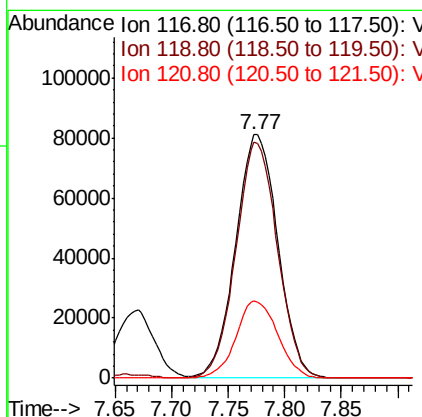
Manual Integrations
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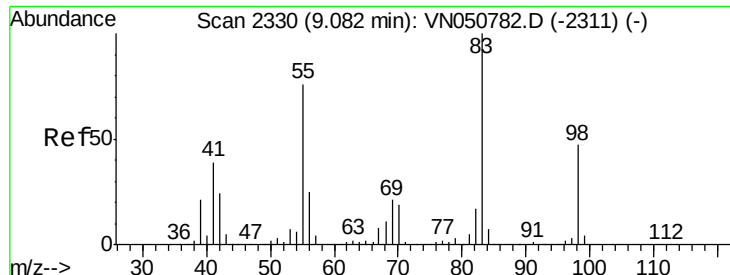
MMDadoda
8/25/2018 1:18:45 PM



#38
Carbon Tetrachloride
Concen: 19.845 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.3	114.5
121	31.9	24.6	36.8





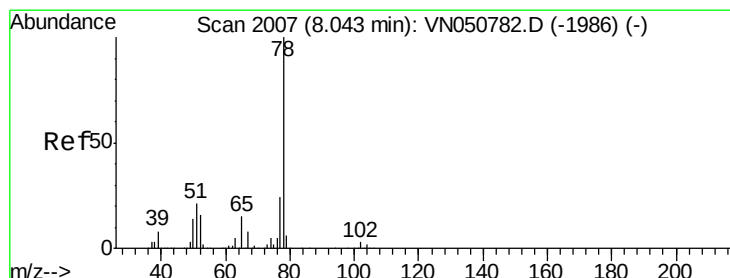
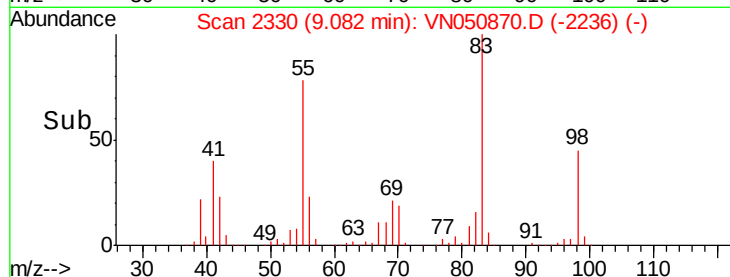
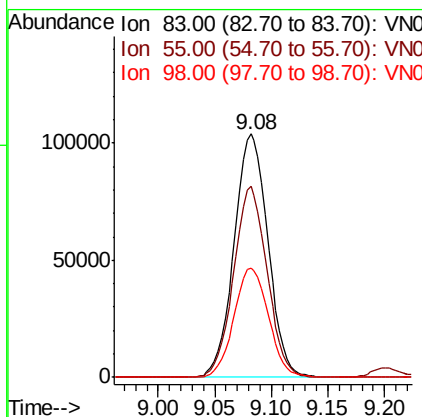
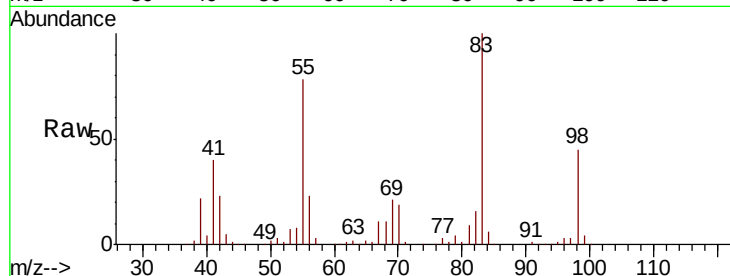
#39
Methylcyclohexane
Concen: 19.181 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	216956		
55	78.3	61.0	91.4	
98	45.1	37.5	56.3	

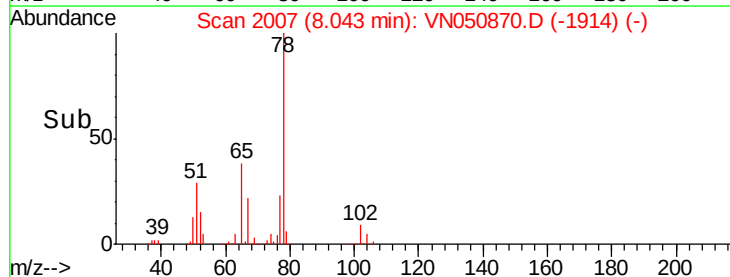
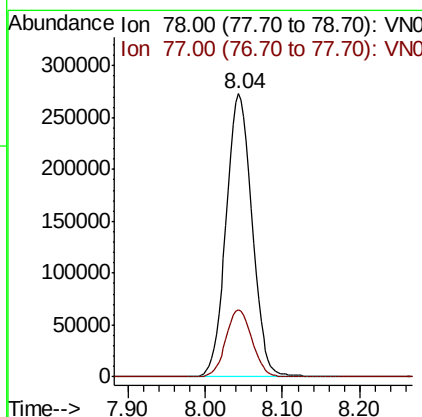
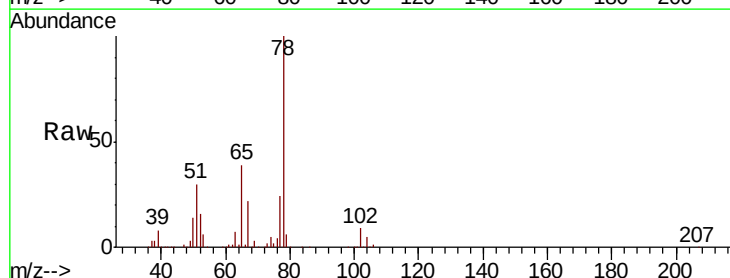
Manual Integrations
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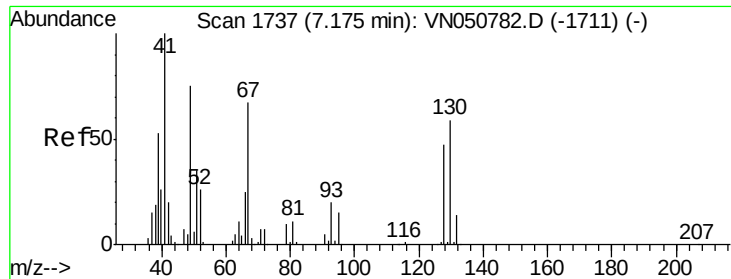
MMDadoda
8/25/2018 1:18:45 PM



#40
Benzene
Concen: 20.134 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	634738		
77	23.7	19.0	28.4	





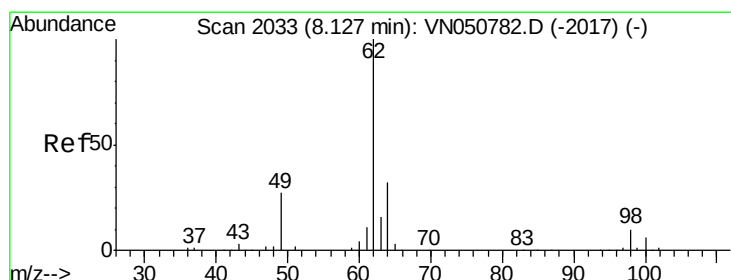
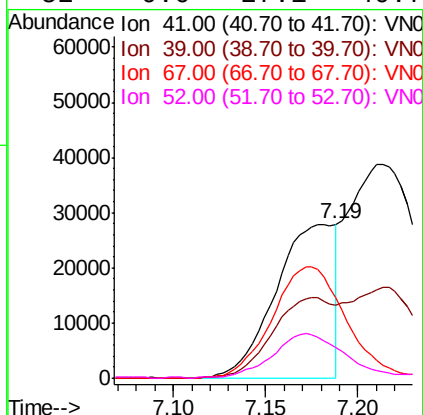
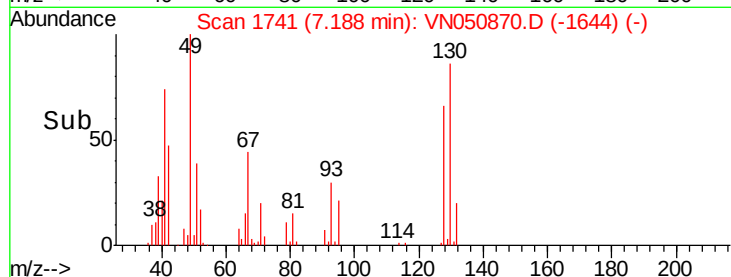
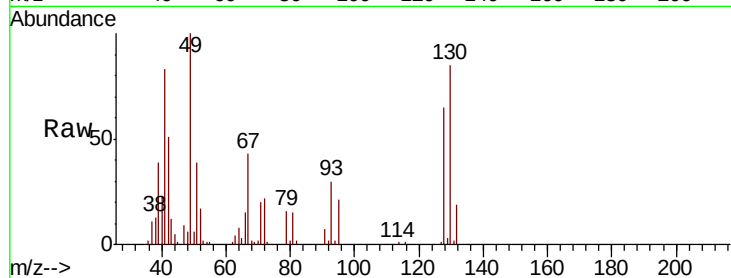
#41
Methacrylonitrile
Concen: 19.314 ug/l m
RT: 7.19 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.4	68.0#
67	0.0	70.6	106.0#
52	0.0	27.1	40.7#

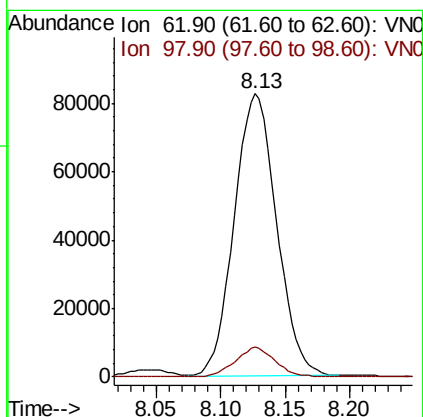
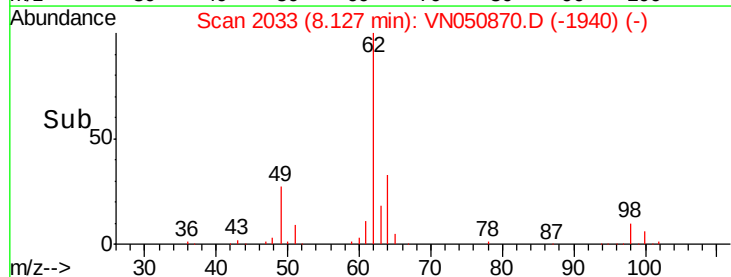
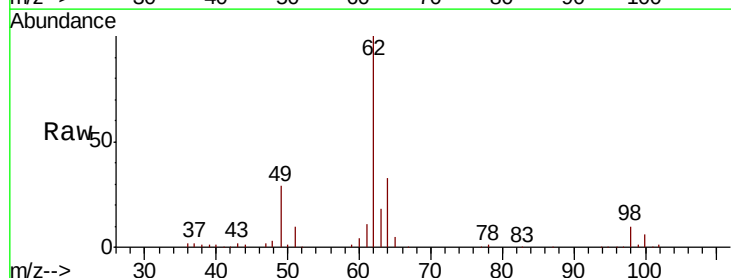
Manual Integrations
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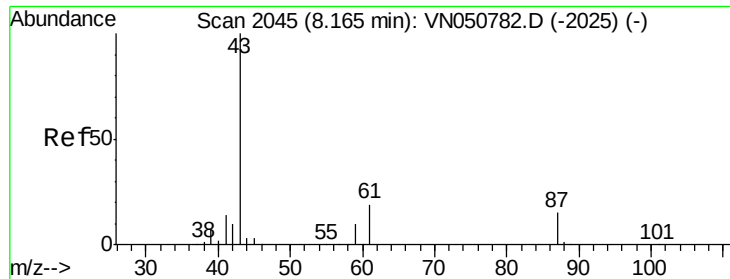
MMDadoda
8/25/2018 1:18:45 PM



#42
1,2-Dichloroethane
Concen: 19.975 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6





#43

Isopropyl Acetate

Concen: 20.381 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

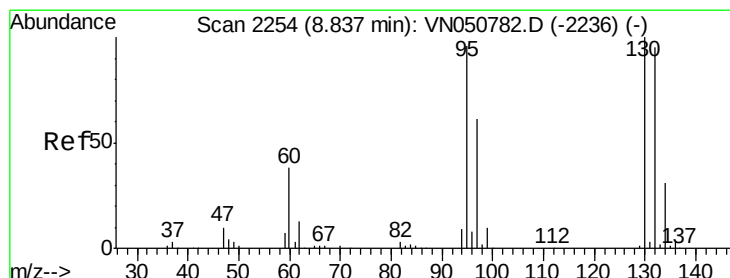
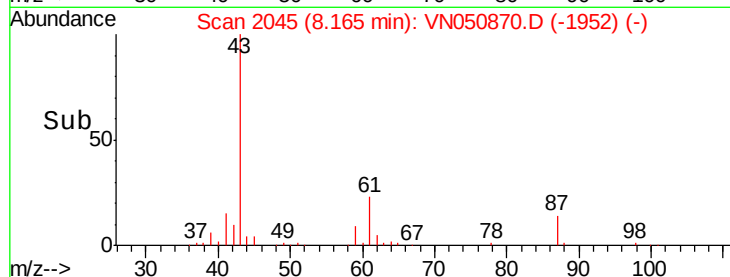
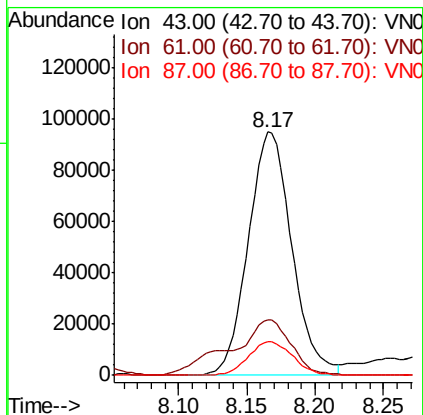
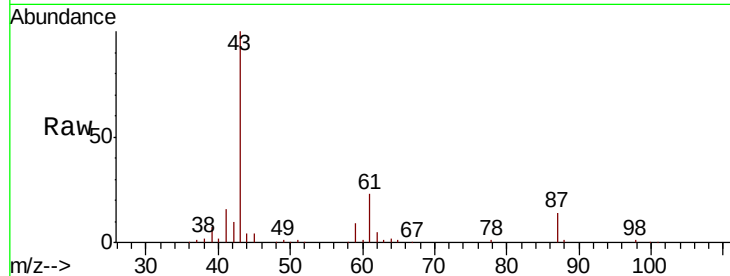
ClientSampleId :

VN0824WBS02

Tgt Ion:	43	Resp:	210455
Ion	Ratio	Lower	Upper
43	100		
61	31.4	17.5	26.3#
87	14.2	11.3	16.9

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#44

Trichloroethene

Concen: 20.355 ug/l

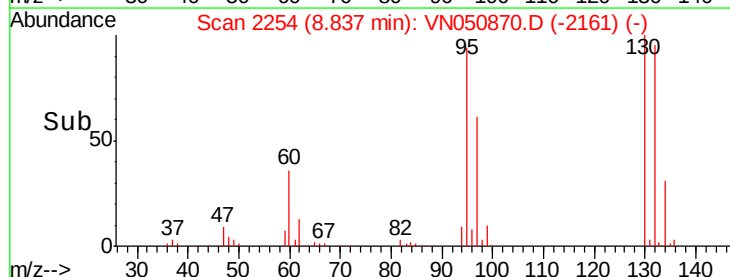
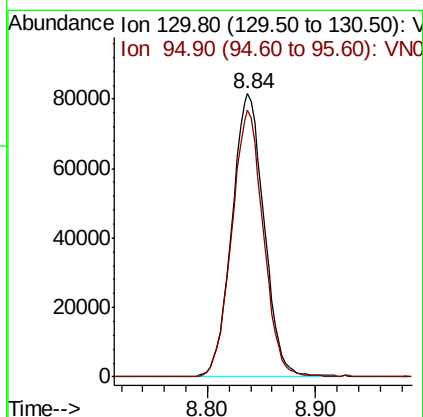
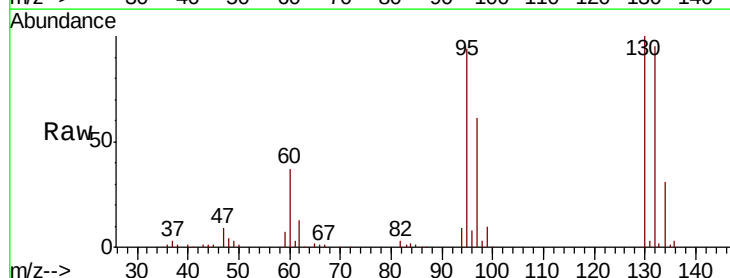
RT: 8.84 min Scan# 2254

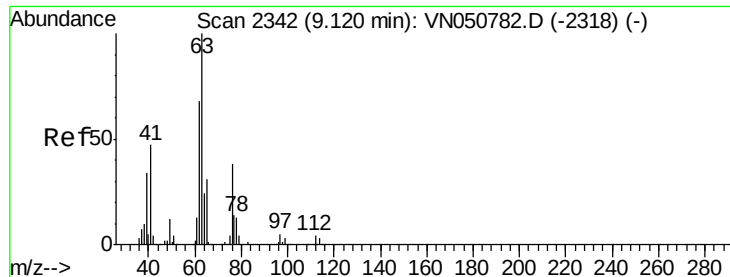
Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Tgt Ion:	130	Resp:	169250
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	193.0





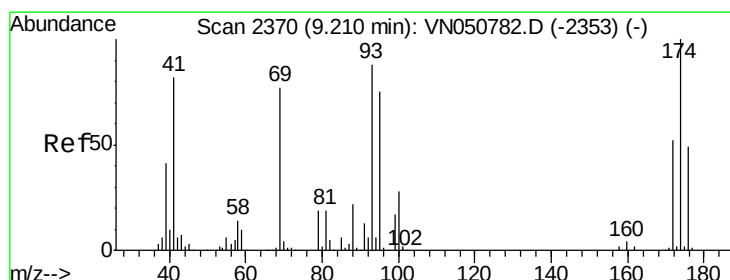
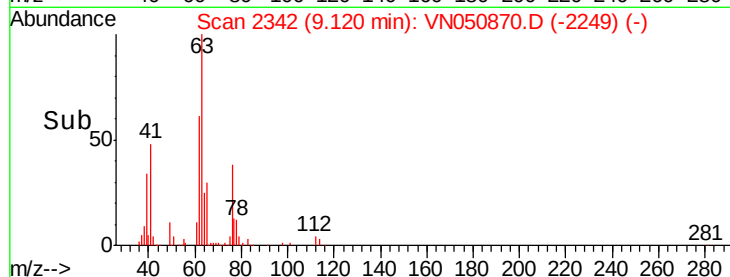
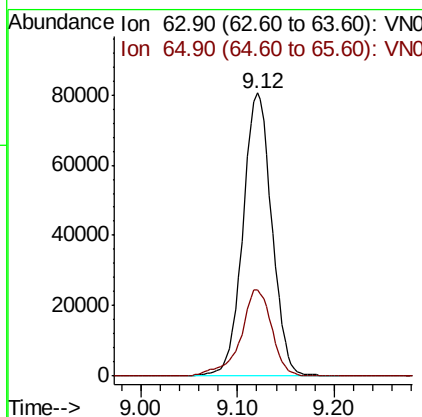
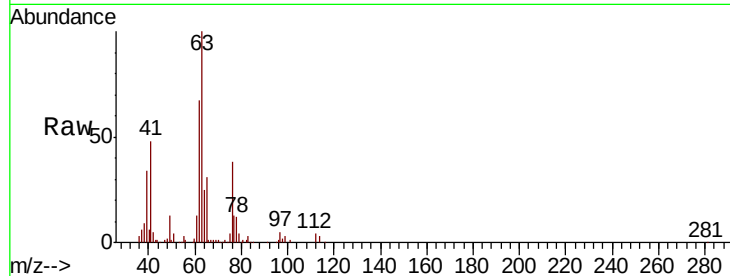
#45
 1,2-Dichloropropane
 Concen: 20.169 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Tgt Ion: 63 Resp: 167117
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

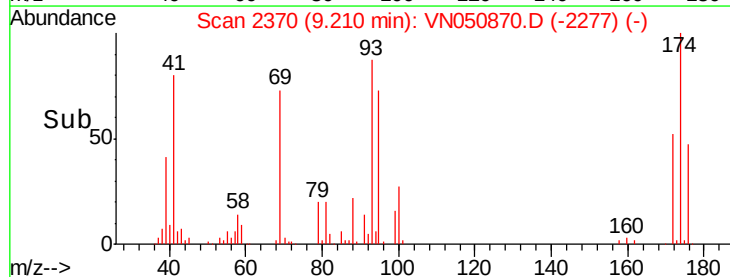
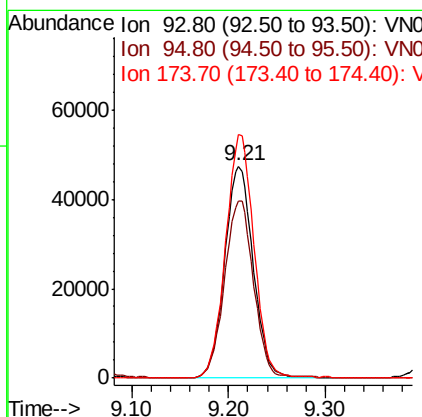
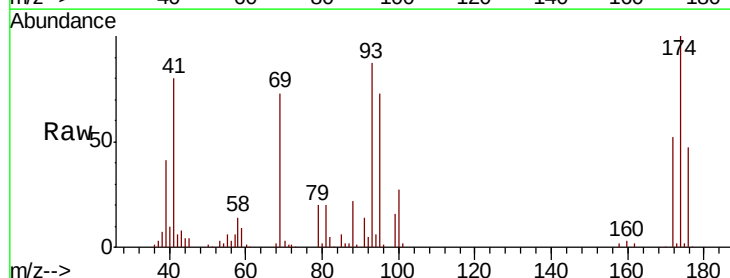
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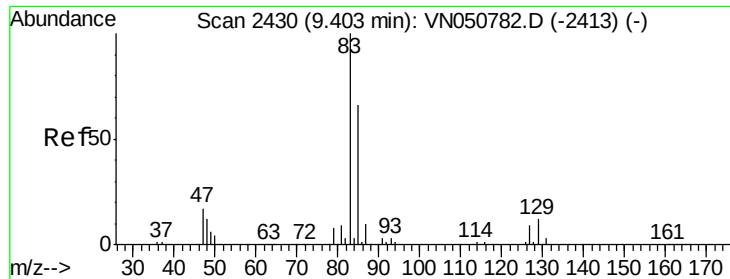
MMDadoda
 8/25/2018 1:18:45 PM



#46
 Dibromomethane
 Concen: 20.037 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion: 93 Resp: 97549
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.7 100.1
 174 113.8 89.8 134.6





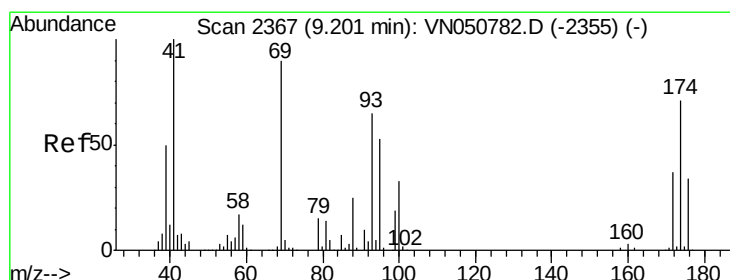
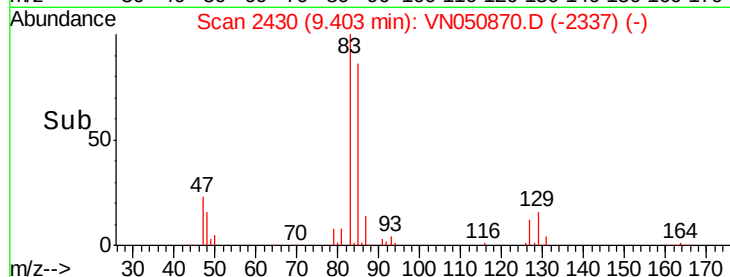
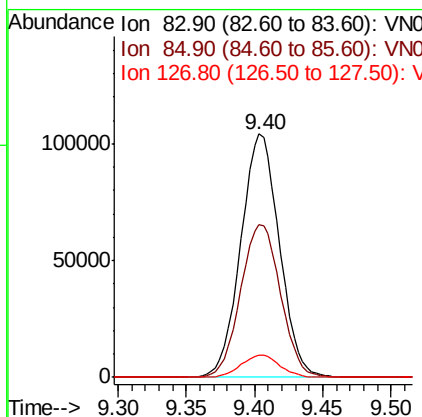
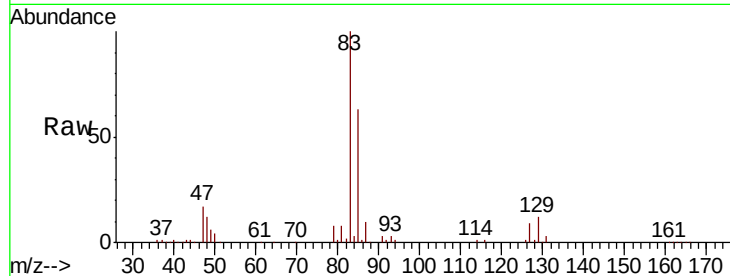
#47
Bromodichloromethane
Concen: 20.075 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.6	78.8
127	8.9	7.2	10.8

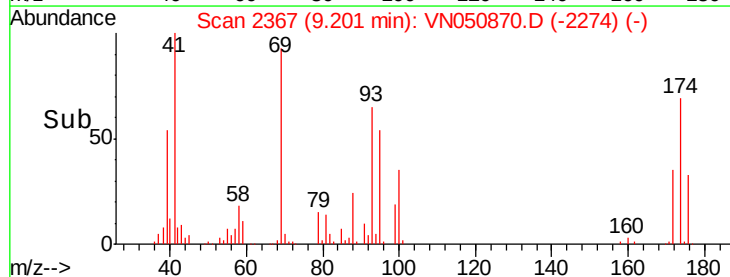
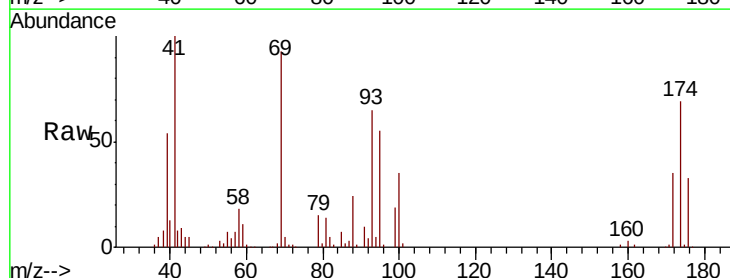
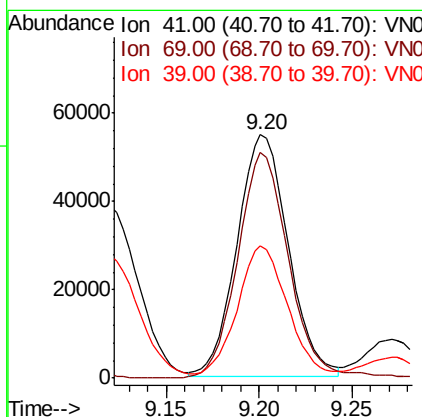
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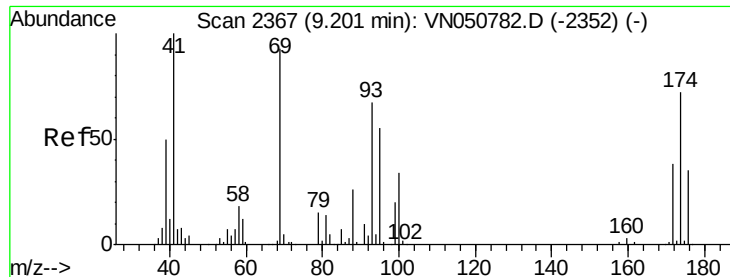
MMDadoda
8/25/2018 1:18:45 PM



#48
Methyl methacrylate
Concen: 20.041 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.2	74.7	112.1
39	53.4	42.2	63.2





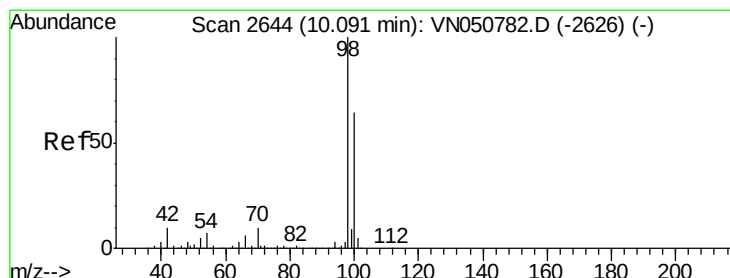
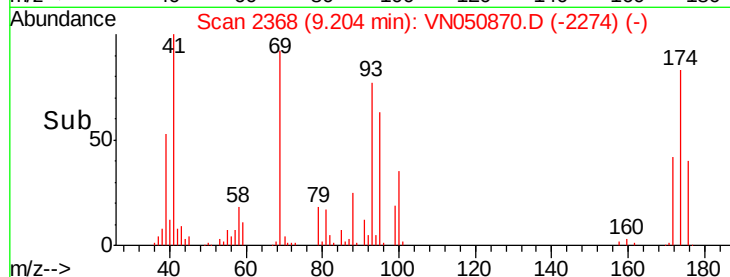
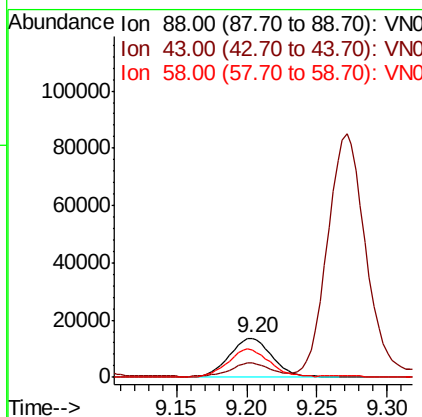
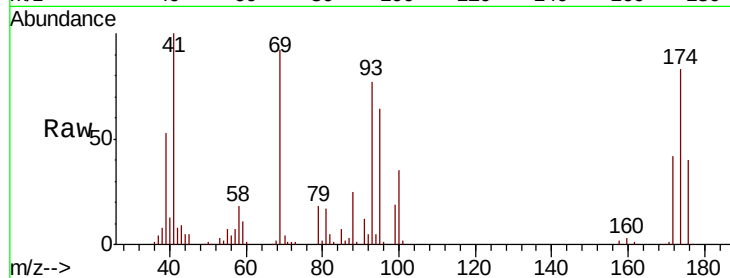
#49
 1,4-Dioxane
 Concen: 405.117 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.9	38.9
58	71.1	55.0	82.4

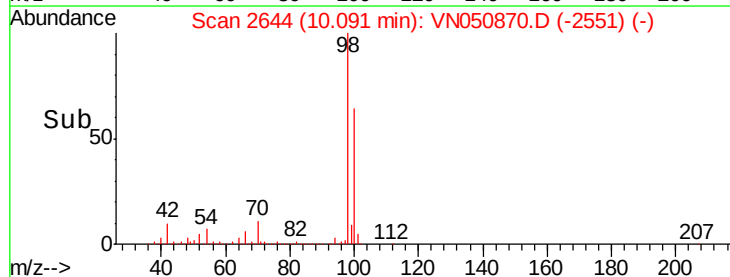
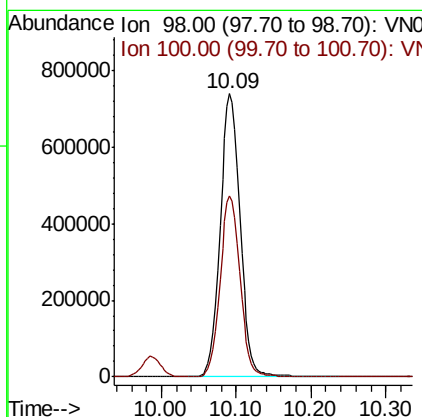
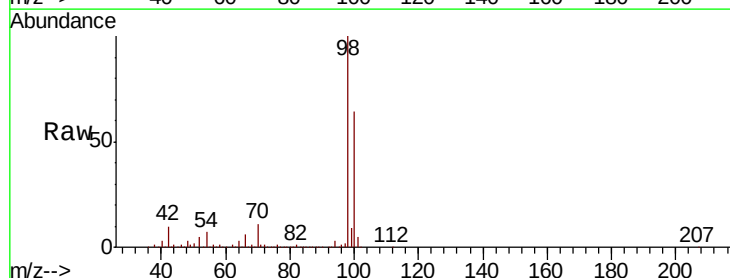
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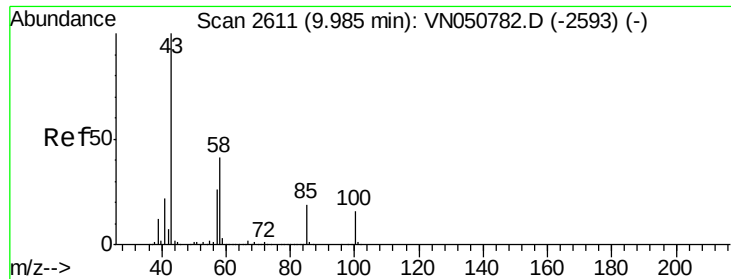
MMDadoda
 8/25/2018 1:18:45 PM



#50
 Toluene-d8
 Concen: 51.572 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 97.742 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 43 Resp: 602288

Ion Ratio Lower Upper

43 100

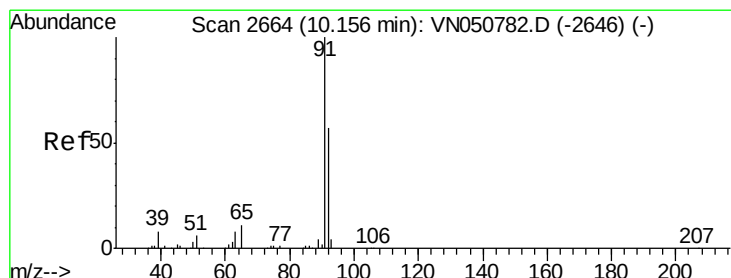
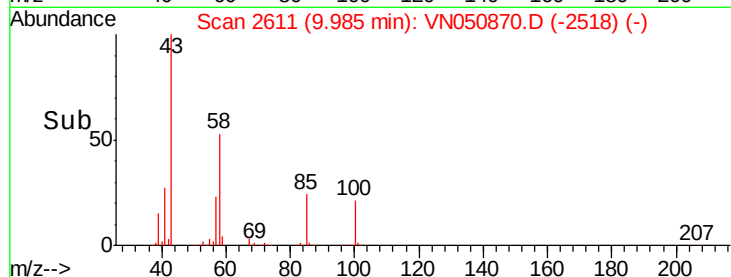
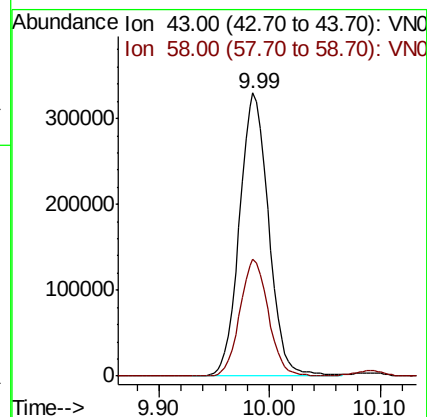
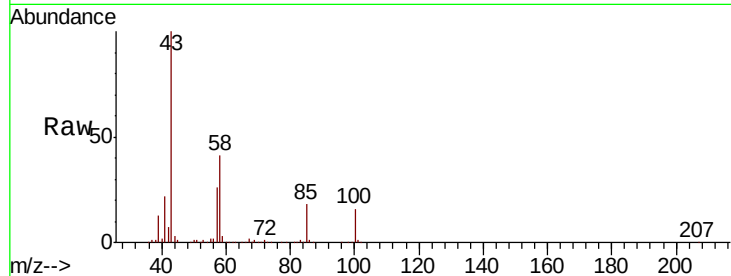
58 40.2 32.4 48.6

Manual Integrations

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8/25/2018 1:18:45 PM



#52

Toluene

Concen: 20.760 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050870.D

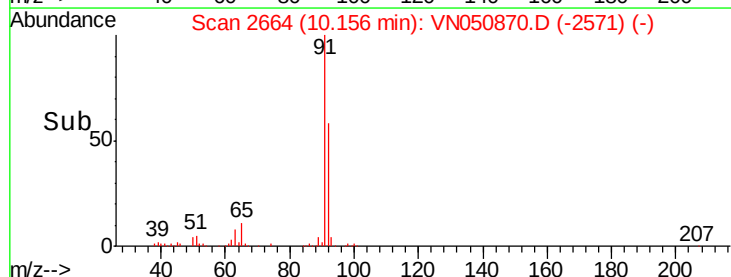
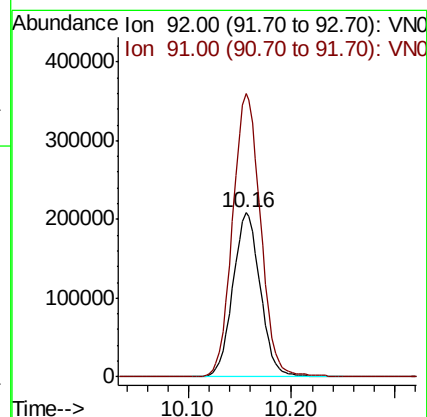
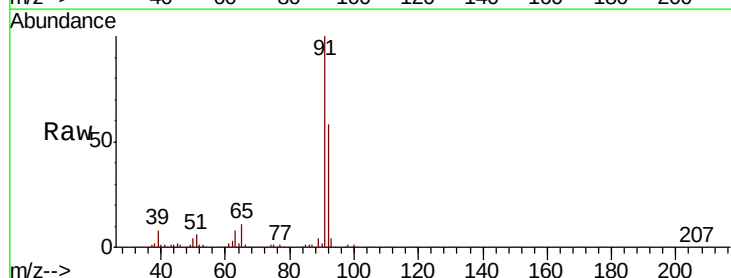
Acq: 24 Aug 2018 12:25

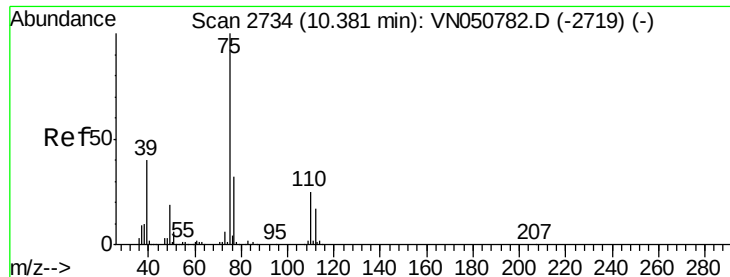
Tgt Ion: 92 Resp: 387711

Ion Ratio Lower Upper

92 100

91 175.5 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.325 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 75 Resp: 196148

Ion Ratio Lower Upper

75 100

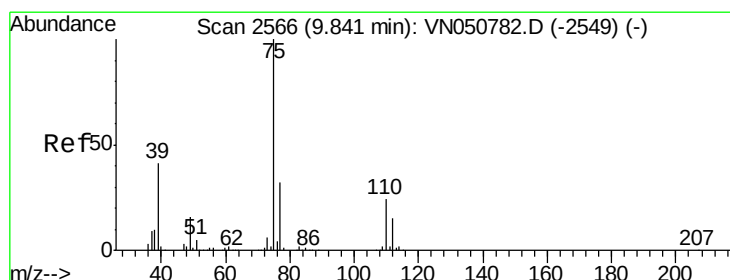
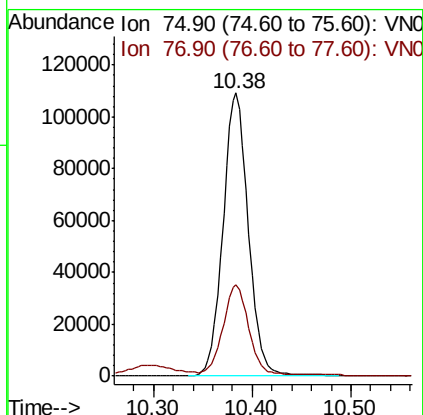
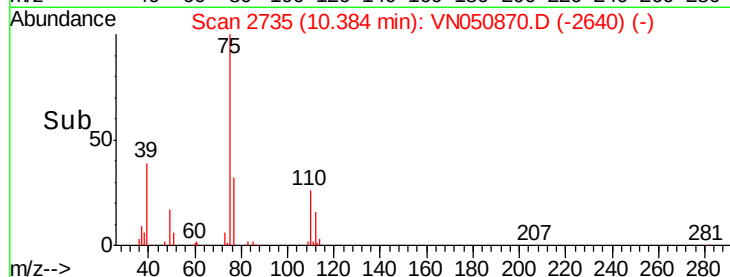
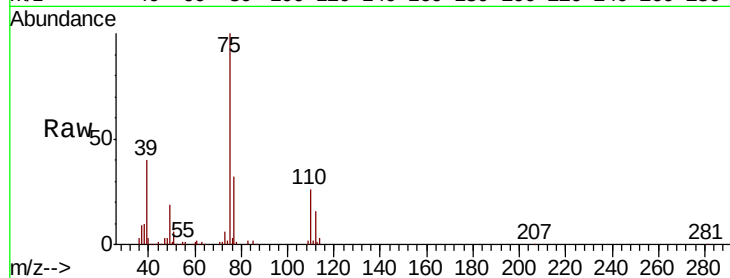
77 31.7 25.7 38.5

Manual Integrations

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8/25/2018 1:18:45 PM



#54

cis-1,3-Dichloropropene

Concen: 20.196 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

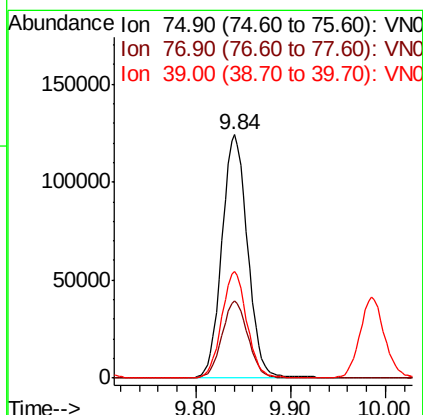
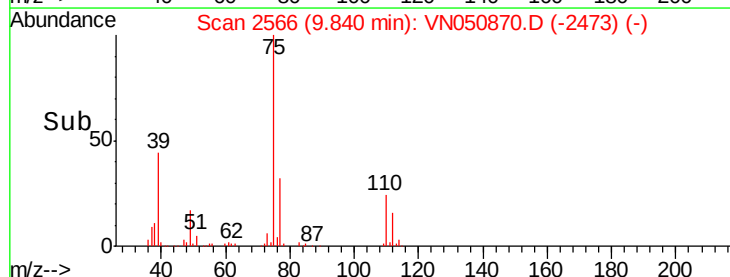
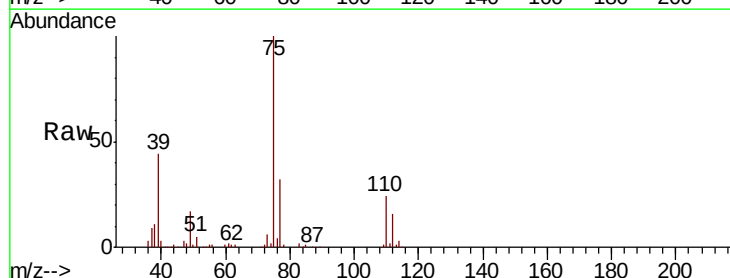
Tgt Ion: 75 Resp: 234732

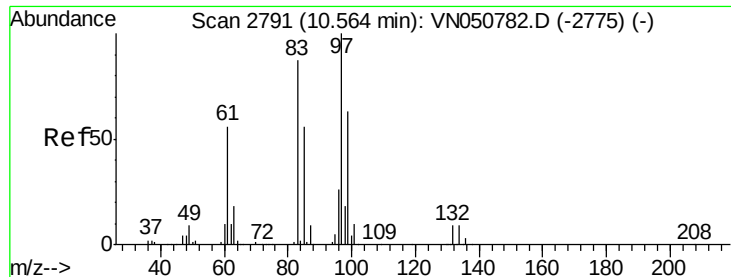
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2

39 44.0 33.0 49.4





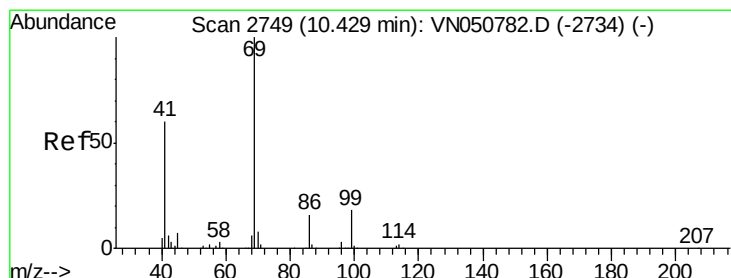
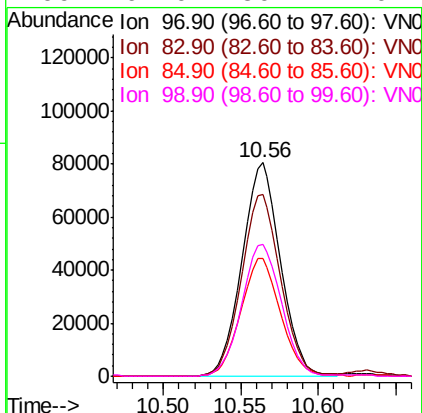
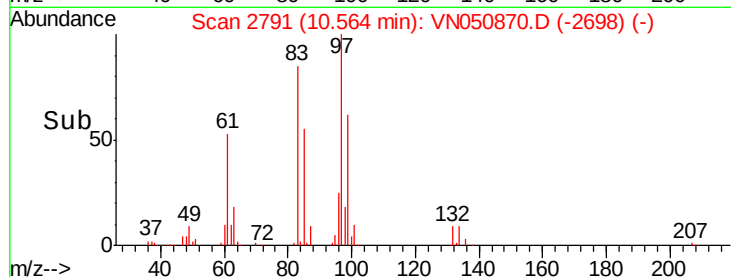
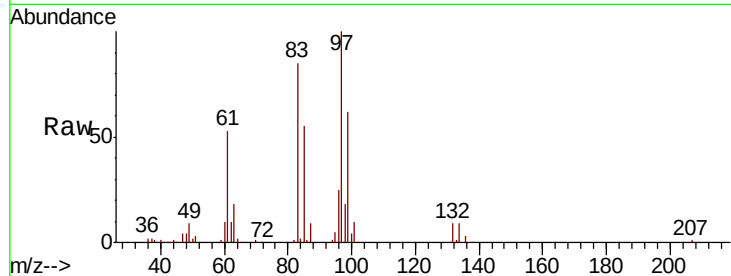
#55
 1,1,2-Trichloroethane
 Concen: 20.134 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	139566		
83	85.1	69.7	104.5	
85	55.2	44.5	66.7	
99	62.0	50.7	76.1	

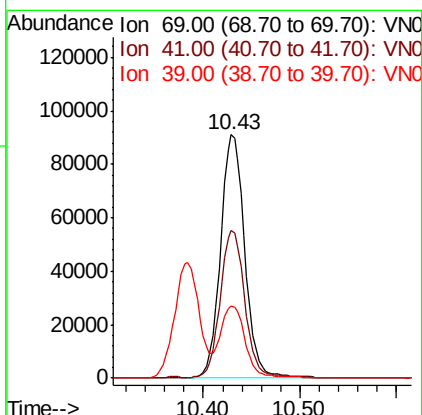
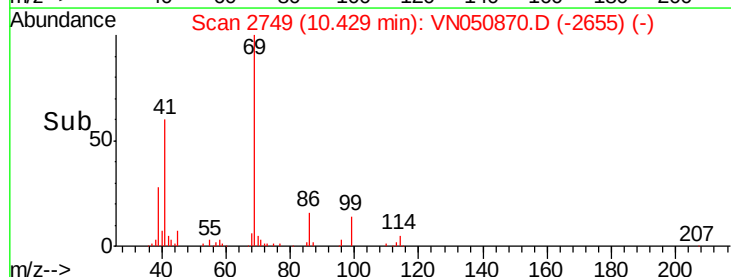
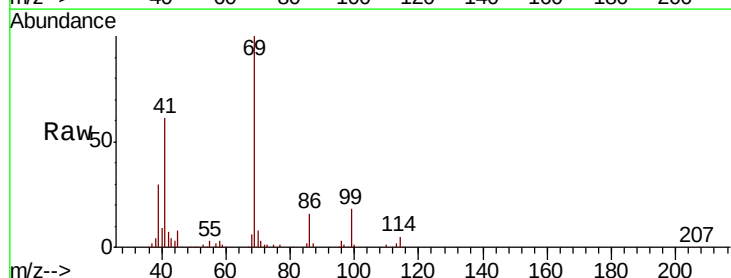
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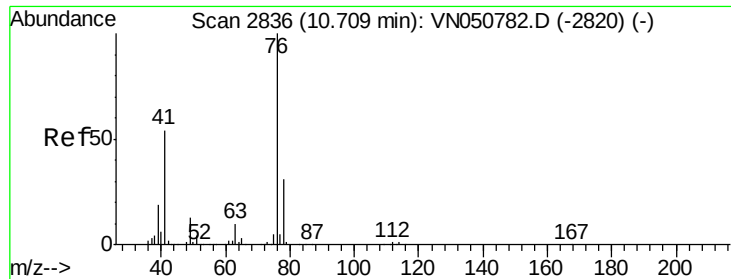
MMDadoda
 8/25/2018 1:18:45 PM



#56
 Ethyl methacrylate
 Concen: 19.088 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	158375		
41	60.7	48.3	72.5	
39	30.1	24.0	36.0	





#57

1,3-Dichloropropane

Concen: 20.327 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS02

Tgt Ion: 76 Resp: 232573

Ion Ratio Lower Upper

76 100

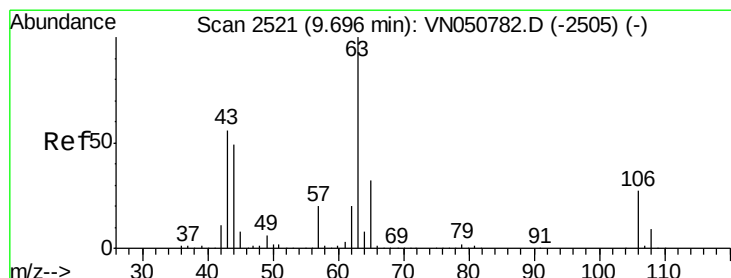
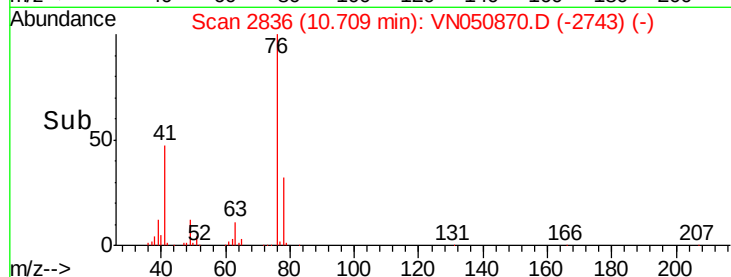
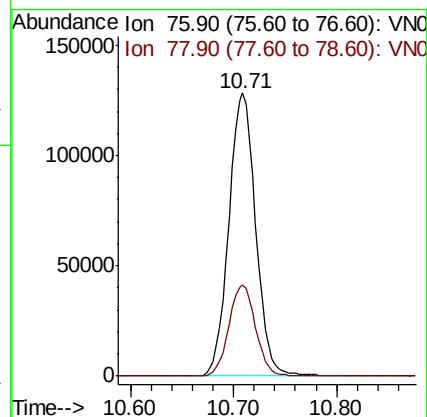
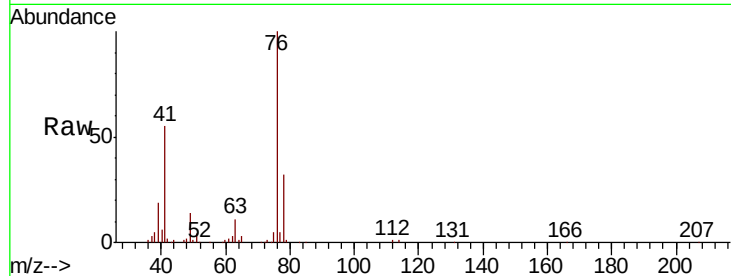
78 32.3 25.5 38.3

Manual Integrations

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8/25/2018 1:18:45 PM



#58

2-Chloroethyl Vinyl ether

Concen: 93.898 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050870.D

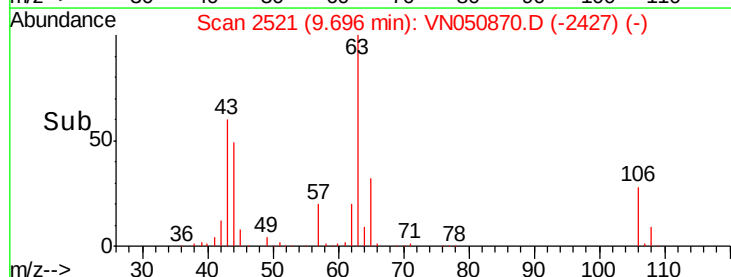
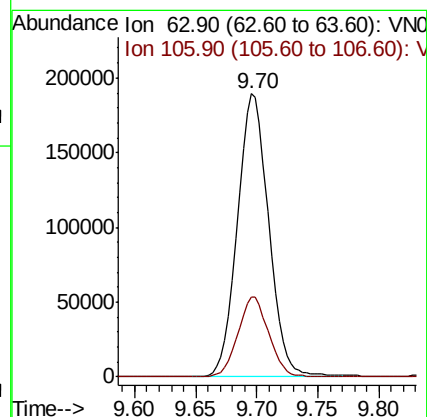
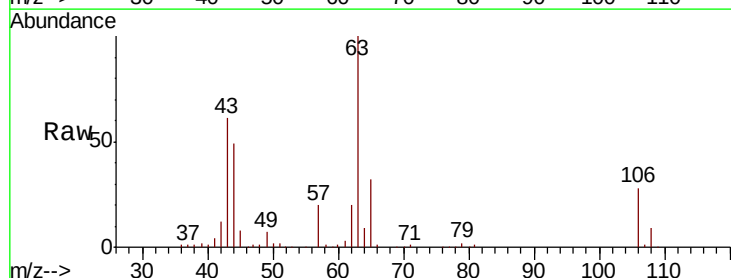
Acq: 24 Aug 2018 12:25

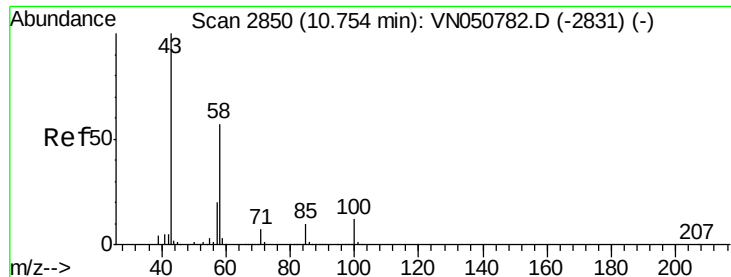
Tgt Ion: 63 Resp: 337894

Ion Ratio Lower Upper

63 100

106 27.8 21.9 32.9





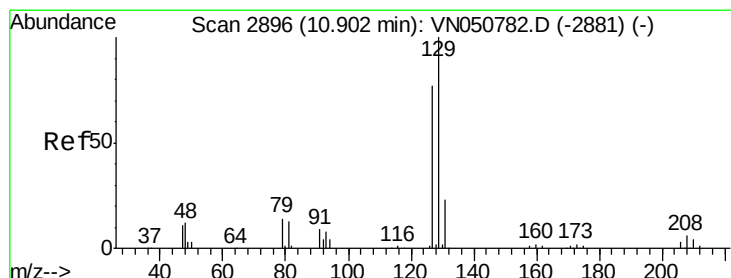
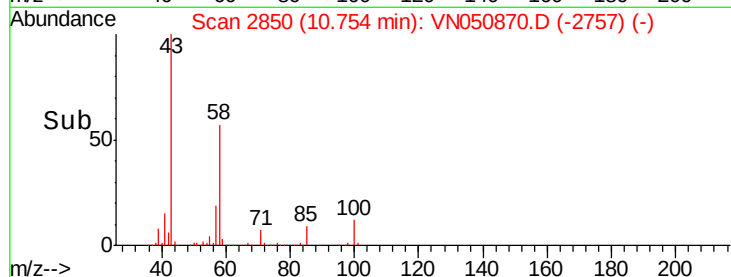
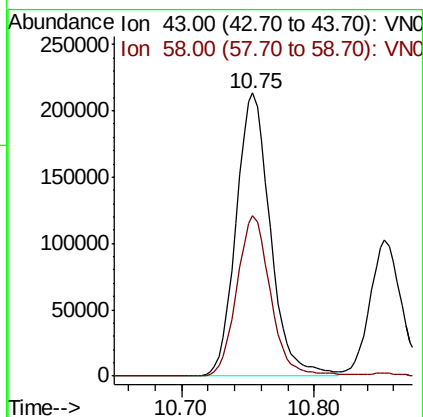
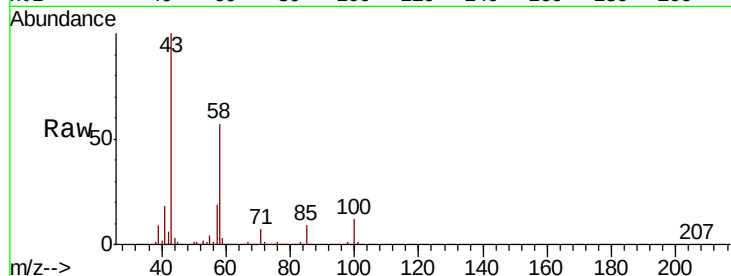
#59
2-Hexanone
Concen: 92.707 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.2	28.3	85.0

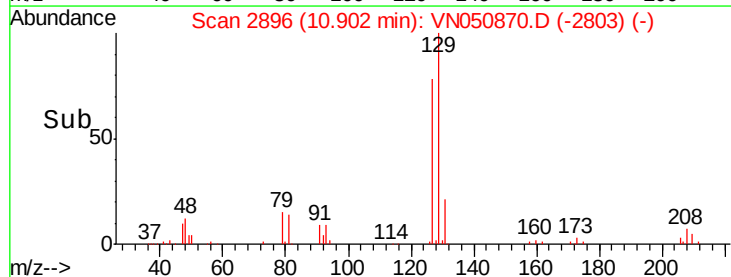
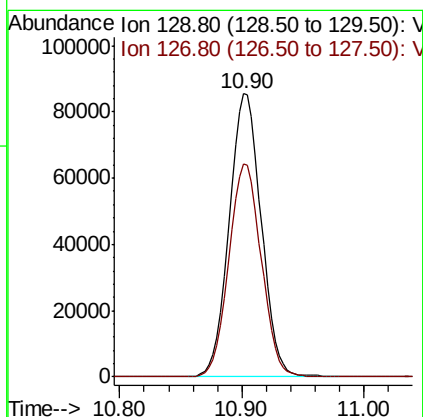
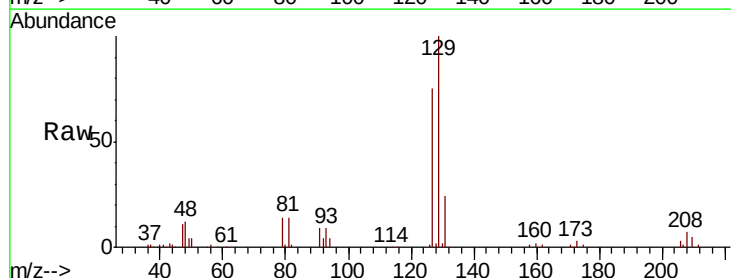
Manual Integrations
APPROVED

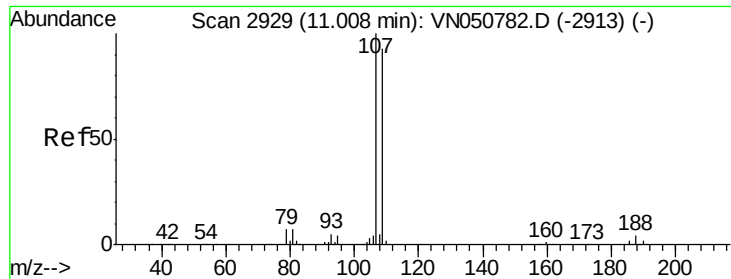
MMDadoda
8/25/2018 1:18:45 PM



#60
Dibromochloromethane
Concen: 20.097 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.3	114.9





#61

1,2-Dibromoethane

Concen: 20.452 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 107 Resp: 137089

Ion Ratio Lower Upper

107 100

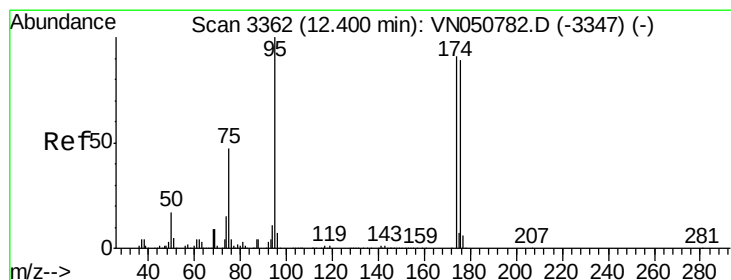
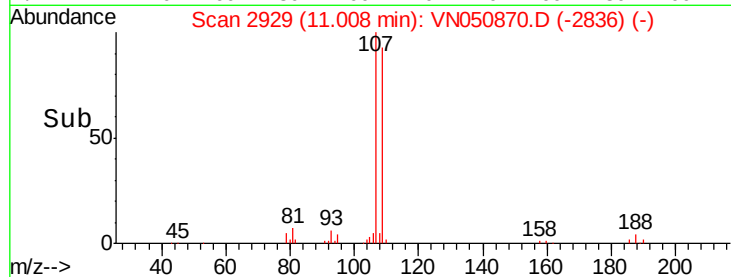
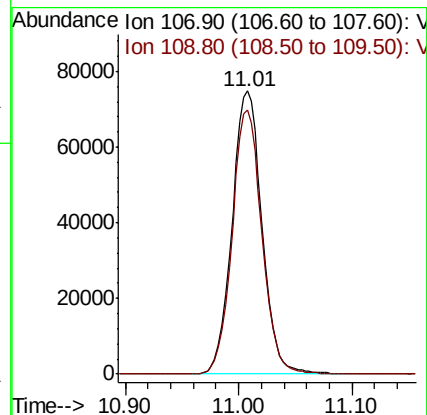
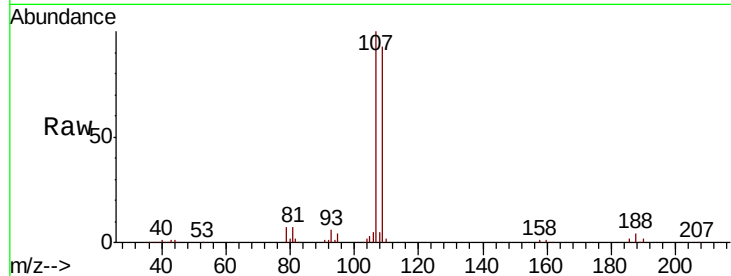
109 93.0 75.4 113.2

Manual Integrations

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8/25/2018 1:18:45 PM



#62

4-Bromofluorobenzene

Concen: 48.699 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

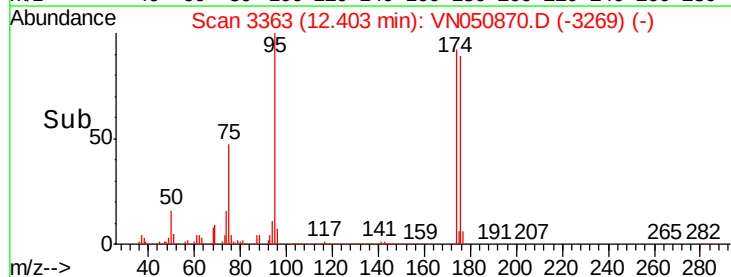
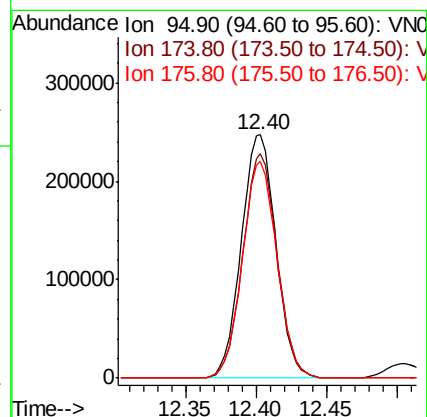
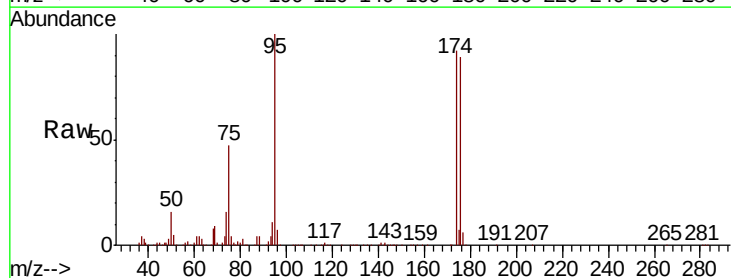
Tgt Ion: 95 Resp: 426453

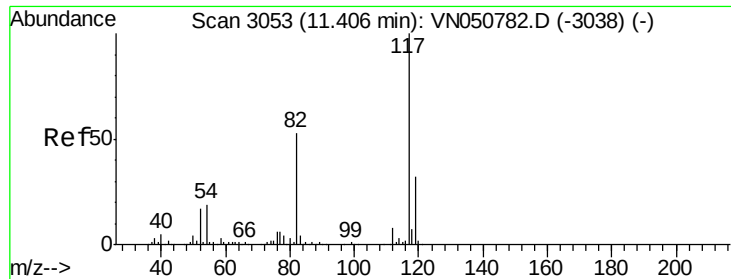
Ion Ratio Lower Upper

95 100

174 91.2 0.0 183.0

176 88.6 0.0 178.8





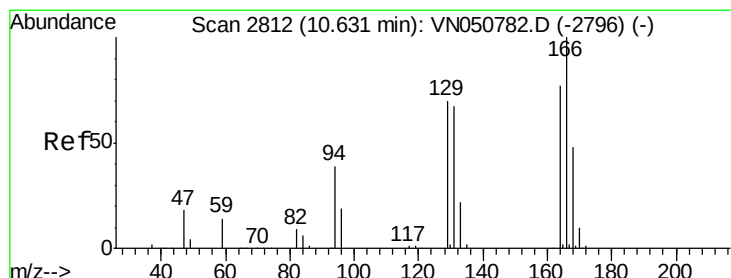
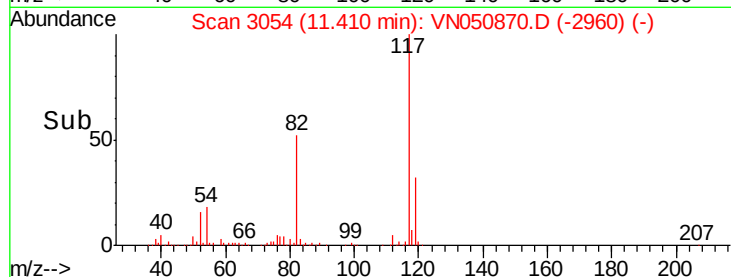
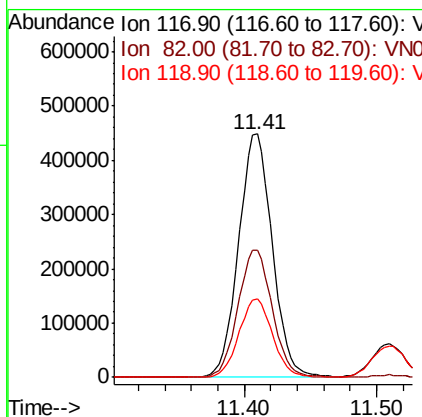
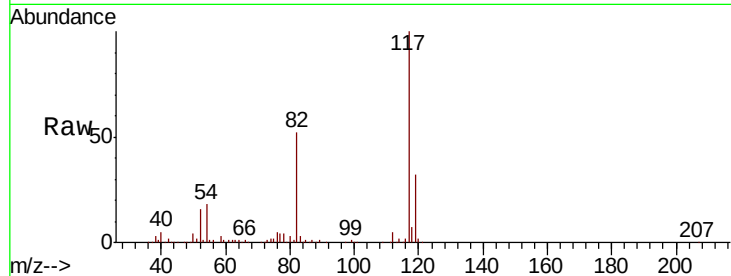
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	790541		
82	52.4		42.6	64.0
119	32.3		25.8	38.6

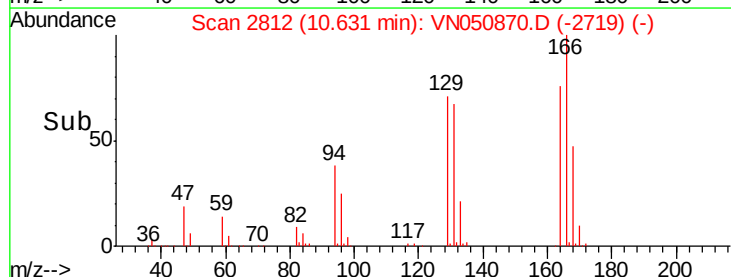
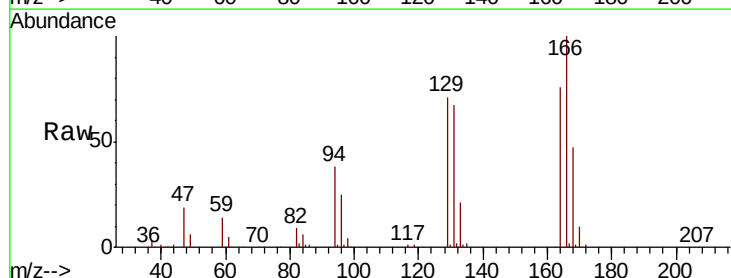
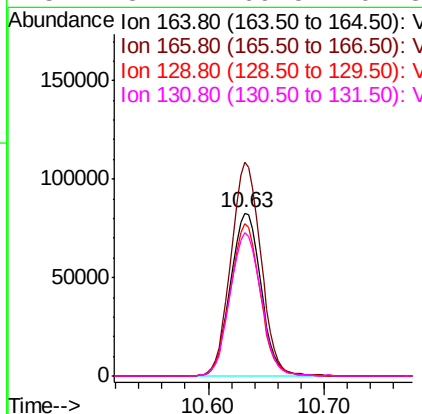
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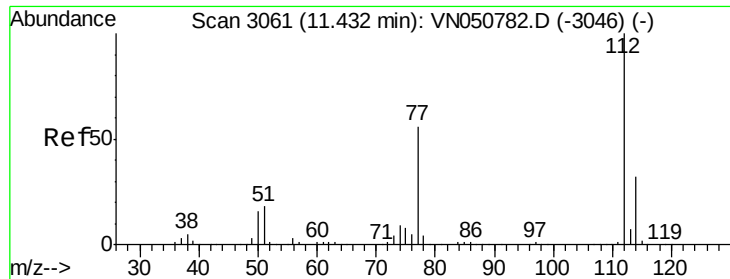
MMDadoda
8/25/2018 1:18:45 PM



#64
Tetrachloroethene
Concen: 20.072 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	150717		
166	131.0		103.5	155.3
129	93.4		72.7	109.1
131	87.7		69.5	104.3





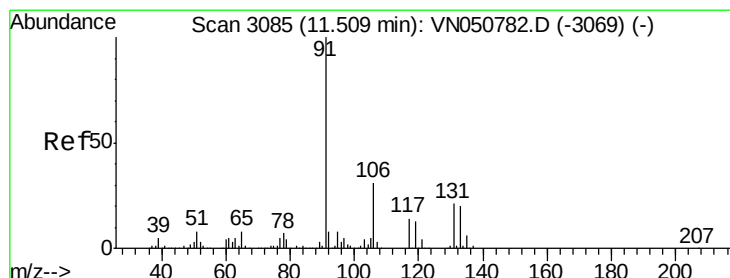
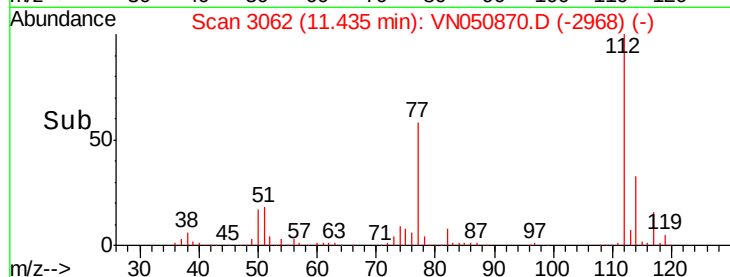
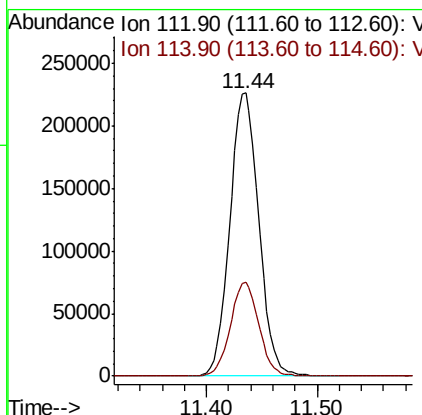
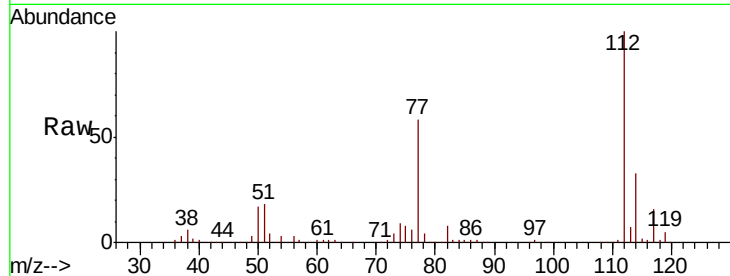
#65
Chlorobenzene
Concen: 19.944 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0824WBS02

Tgt Ion:112 Resp: 412095
Ion Ratio Lower Upper
112 100
114 33.4 25.6 38.4

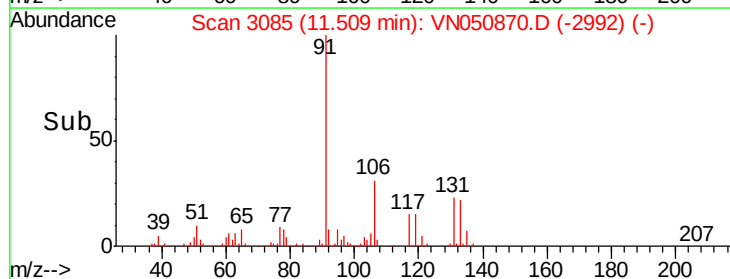
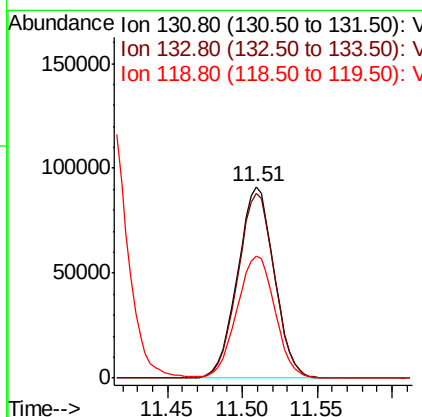
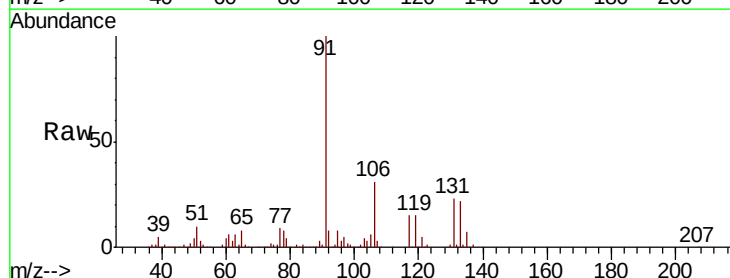
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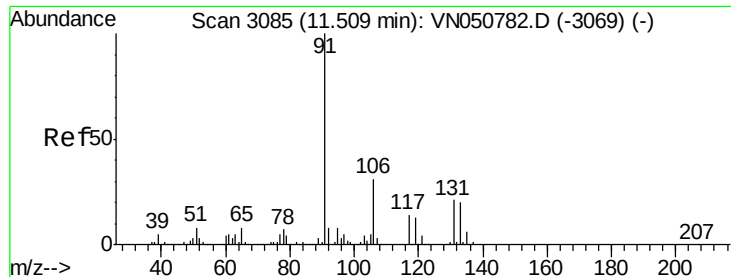
MMDadoda
8/25/2018 1:18:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.552 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion:131 Resp: 155379
Ion Ratio Lower Upper
131 100
133 97.3 47.4 142.3
119 66.2 32.8 98.4





#67

Ethyl Benzene

Concen: 20.233 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 91 Resp: 679685

Ion Ratio Lower Upper

91 100

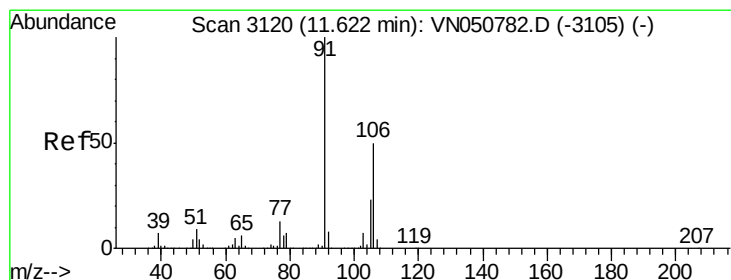
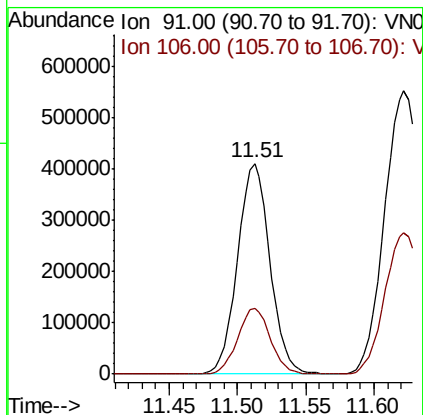
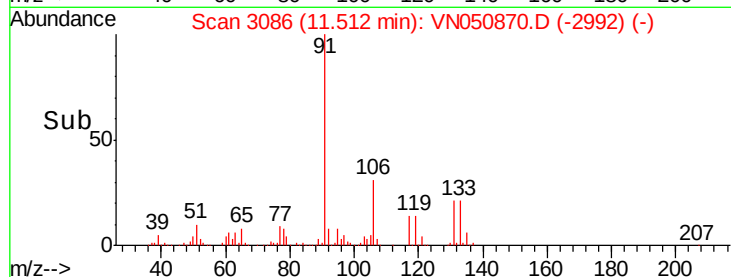
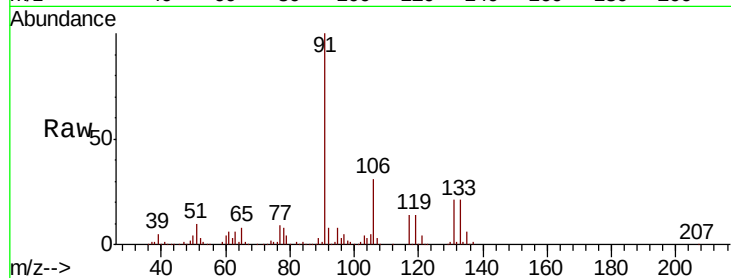
106 31.4 25.0 37.4

Manual Integrations

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8/25/2018 1:18:45 PM



#68

m/p-Xylenes

Concen: 41.907 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050870.D

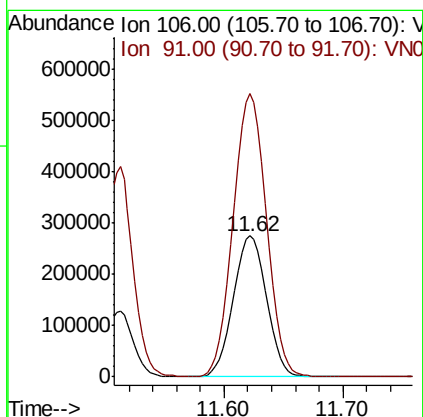
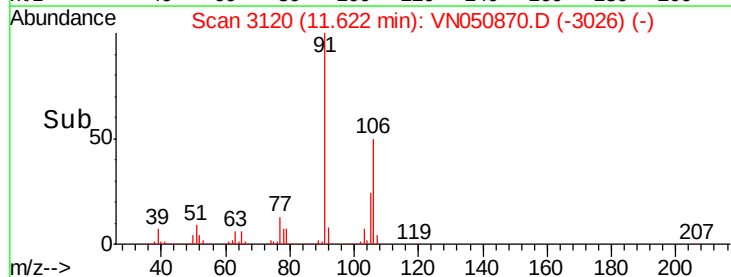
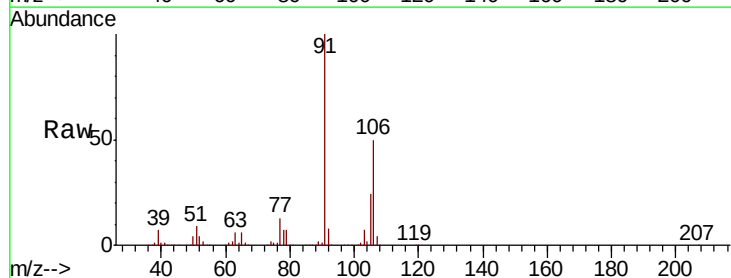
Acq: 24 Aug 2018 12:25

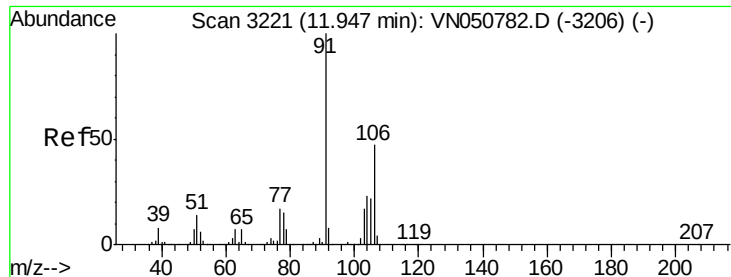
Tgt Ion: 106 Resp: 534348

Ion Ratio Lower Upper

106 100

91 200.7 161.0 241.6





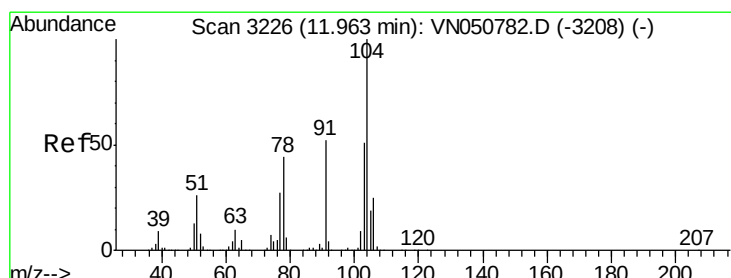
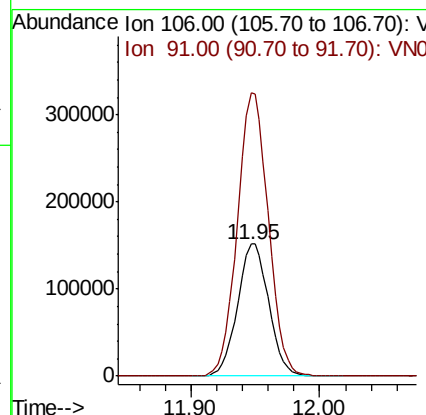
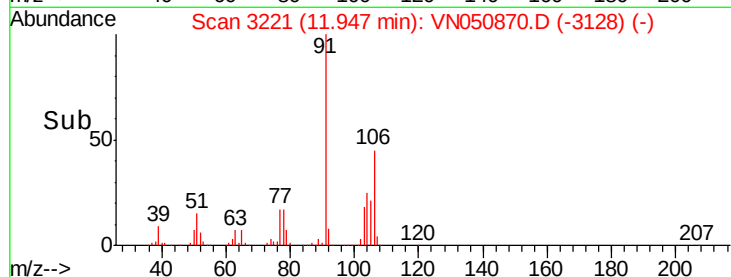
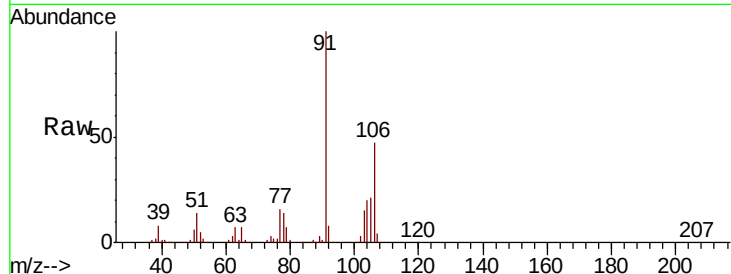
#69
o-Xylene
Concen: 20.756 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.3	106.5	319.5

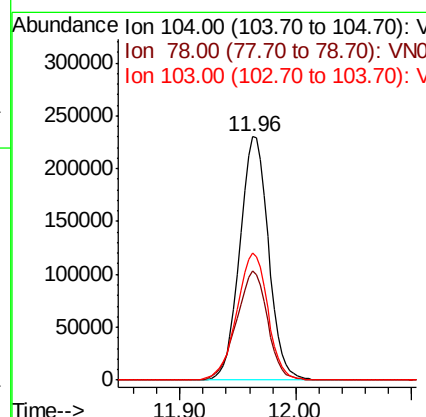
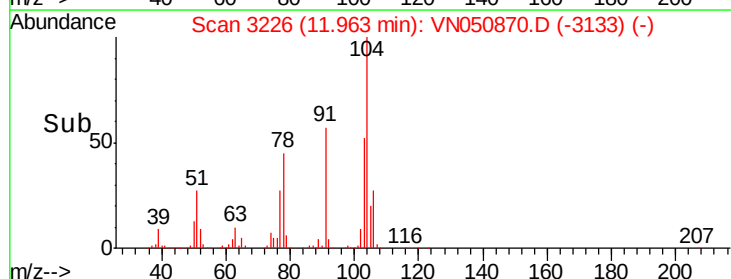
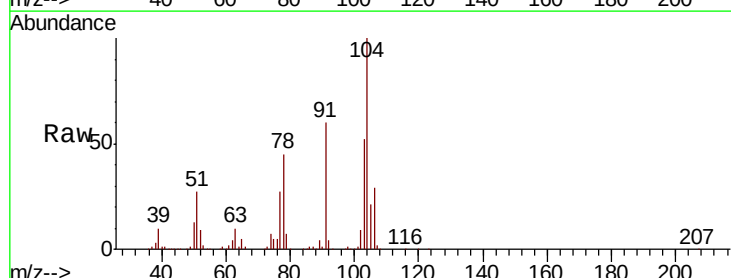
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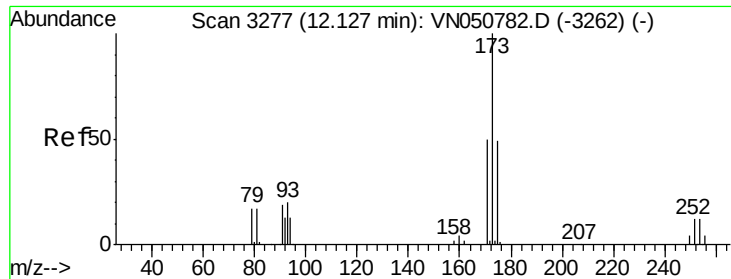
MMDadoda
8/25/2018 1:18:45 PM



#70
Styrene
Concen: 19.111 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.2	57.4
103	56.5	44.4	66.6





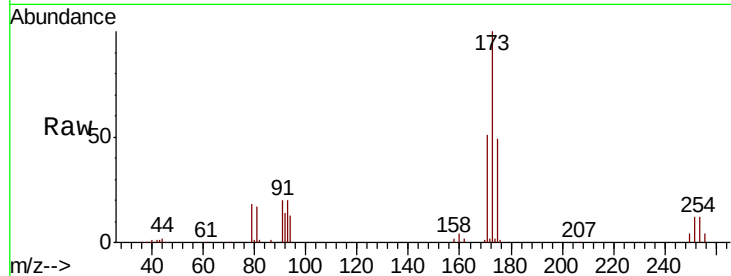
#71
Bromoform
Concen: 20.111 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	104561		
175	48.1	24.4	73.4	
254	0.0	0.1	0.1#	

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8/25/2018 1:18:45 PM

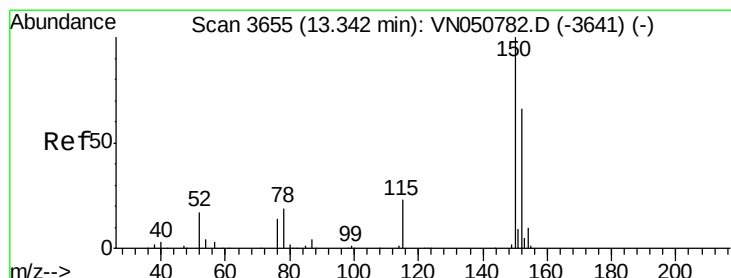
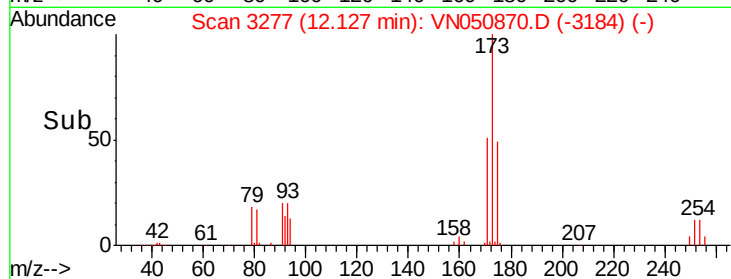
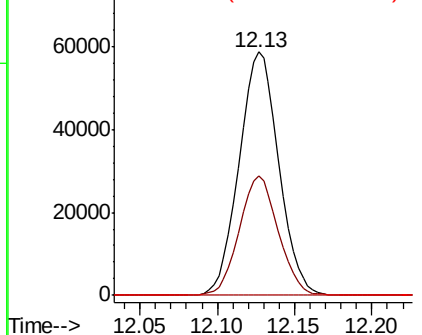


Abundance

Ion 172.70 (172.40 to 173.40): V

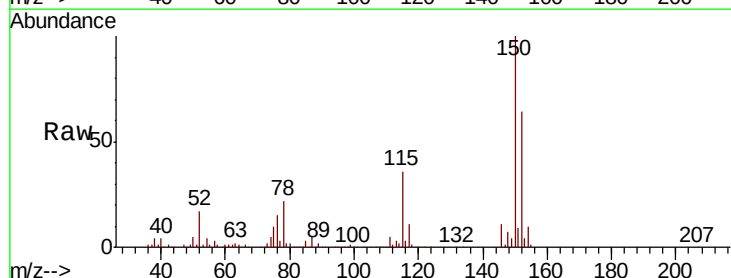
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	369564		
115	56.6	27.8	83.4	
150	163.1	0.0	351.4	

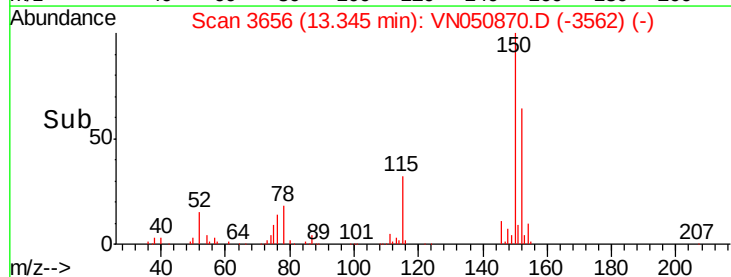
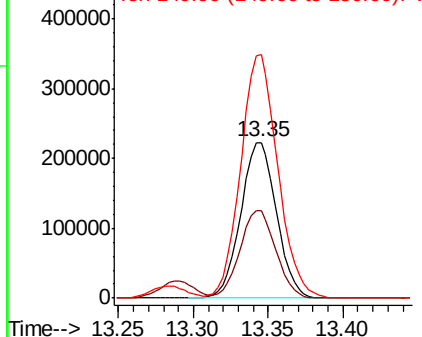


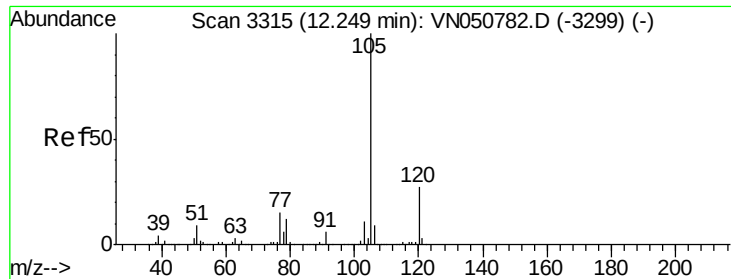
Abundance

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: 21.939 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 105 Resp: 671365

Ion Ratio Lower Upper

105 100

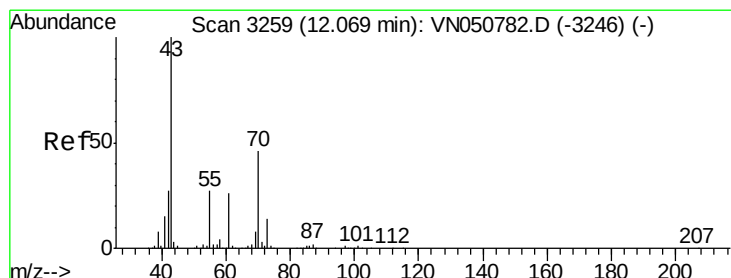
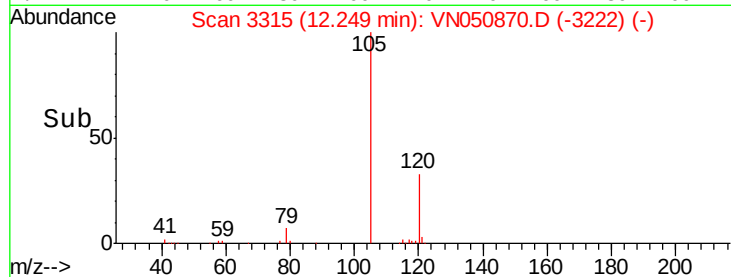
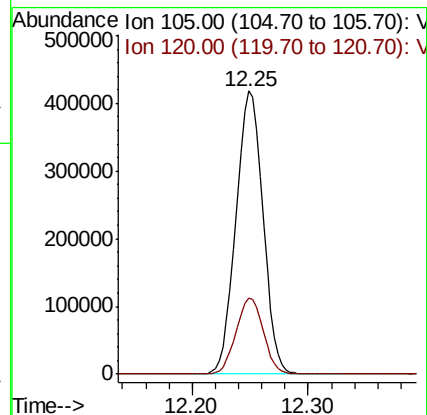
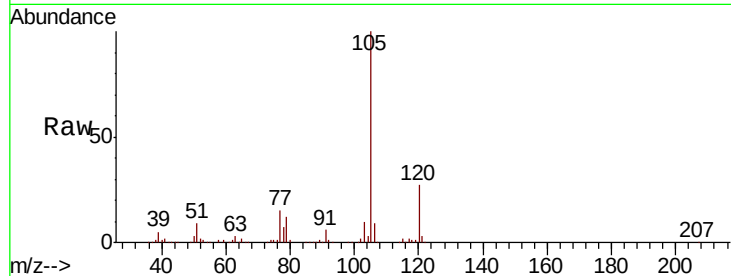
120 27.1 13.5 40.4

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#74

N-ethyl acetate

Concen: 20.468 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Tgt Ion: 43 Resp: 157375

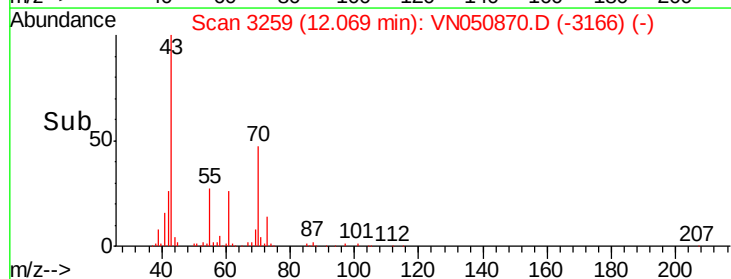
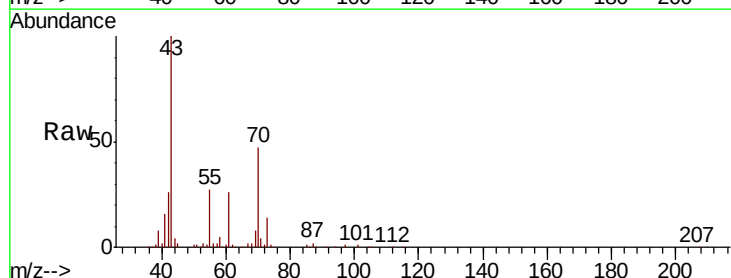
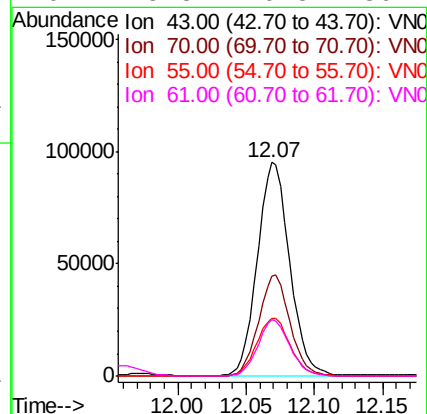
Ion Ratio Lower Upper

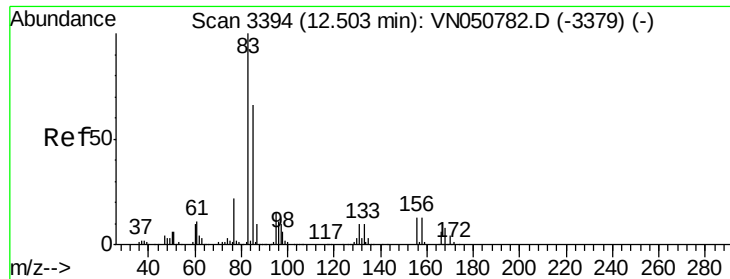
43 100

70 45.6 36.2 54.2

55 27.8 21.8 32.8

61 25.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.341 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 83 Resp: 169598
Ion Ratio Lower Upper

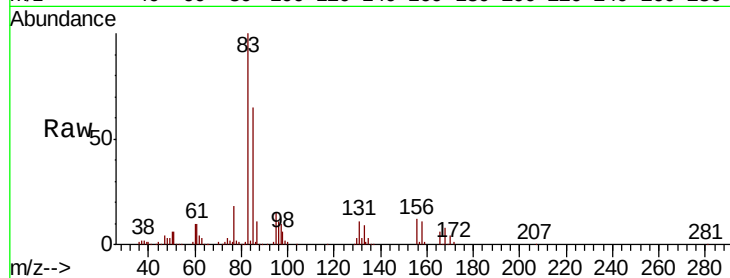
83 100

131 10.9 5.3 15.9

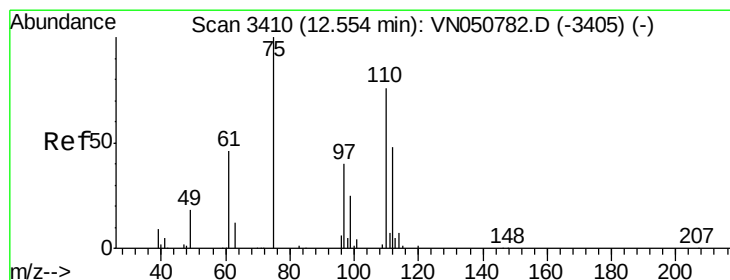
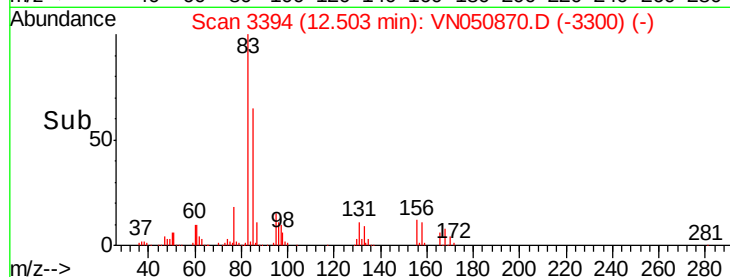
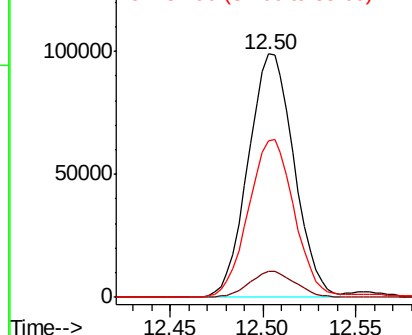
85 65.0 31.9 95.7

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 21.119 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

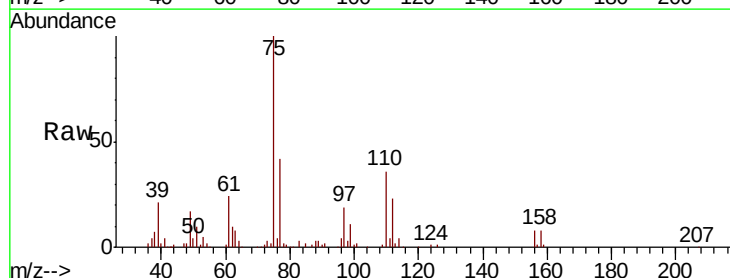
Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

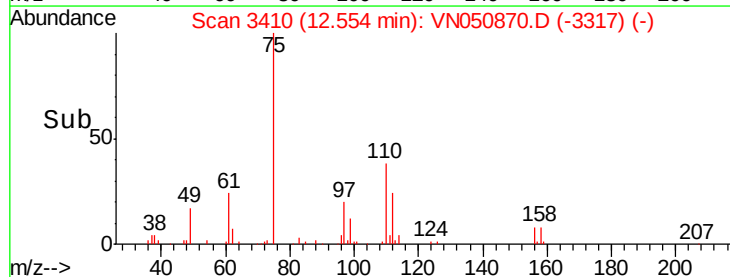
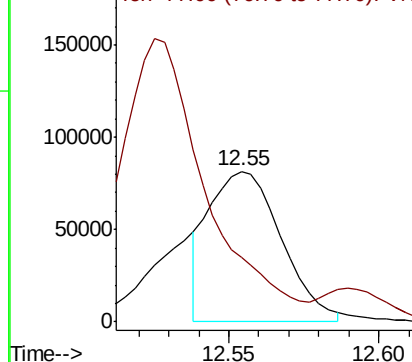
Tgt Ion: 75 Resp: 136699
Ion Ratio Lower Upper

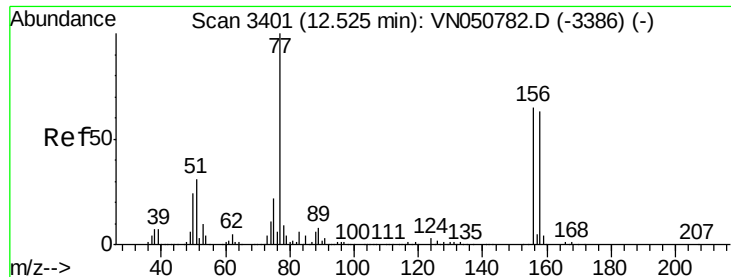
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.496 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

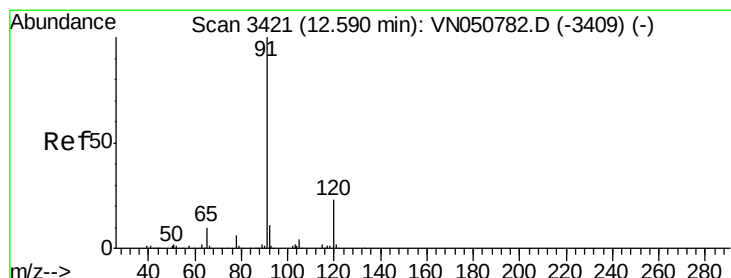
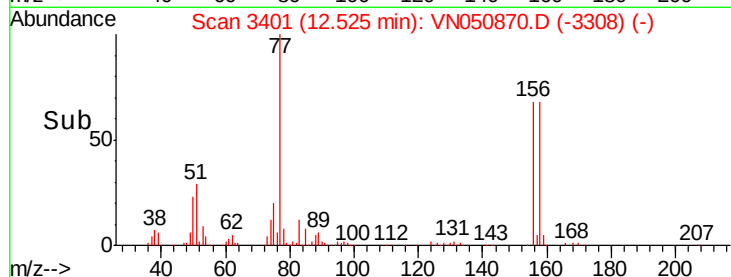
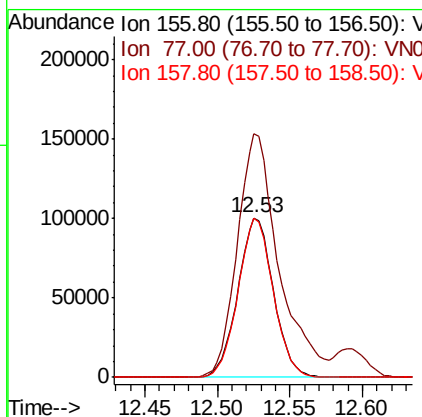
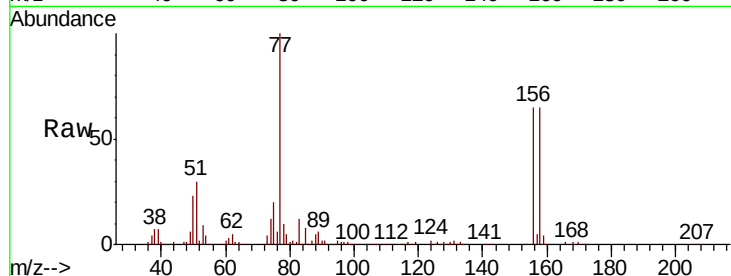
ClientSampleId :

VN0824WBS02

Tgt Ion:	156	Resp:	170461
Ion Ratio	Lower	Upper	
156	100		
77	179.9	89.9	269.7
158	98.8	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 21.842 ug/l

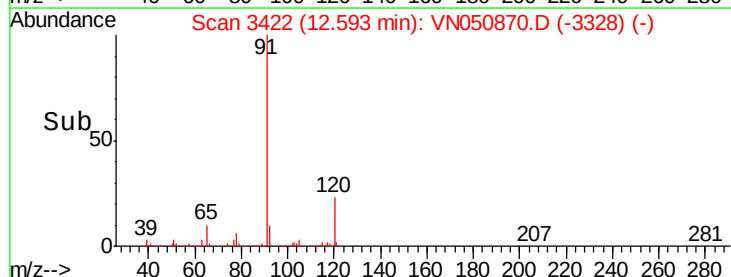
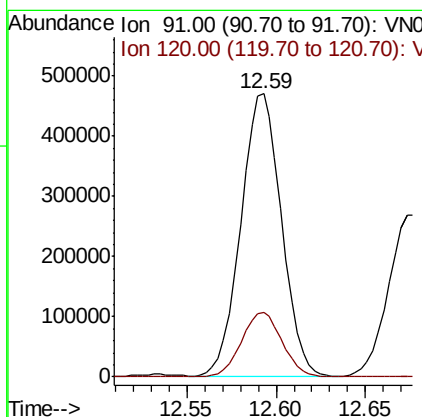
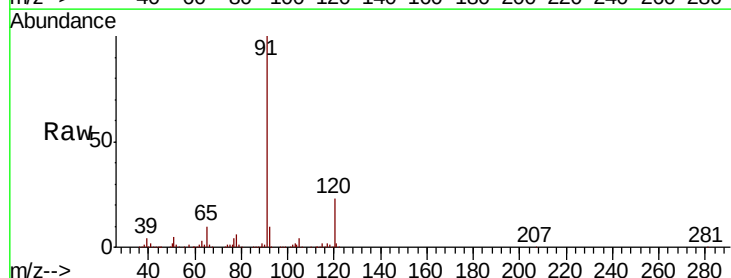
RT: 12.59 min Scan# 3422

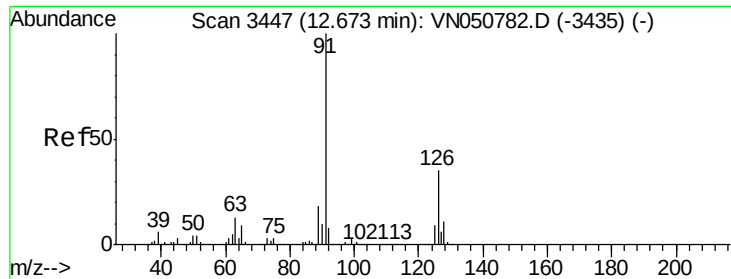
Delta R.T. 0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Tgt Ion:	91	Resp:	746668
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.7	35.0





#79

2-Chlorotoluene

Concen: 21.347 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

Tgt Ion: 91 Resp: 454540

Ion Ratio Lower Upper

91 100

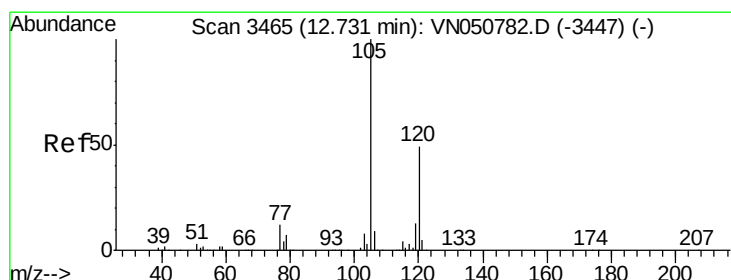
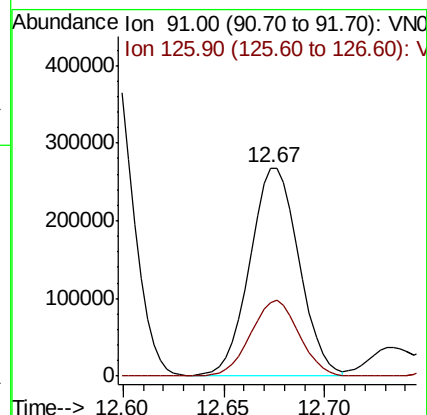
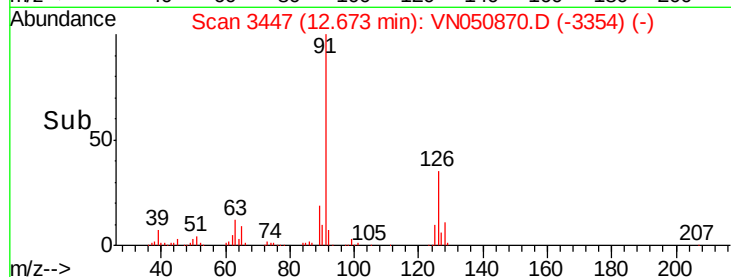
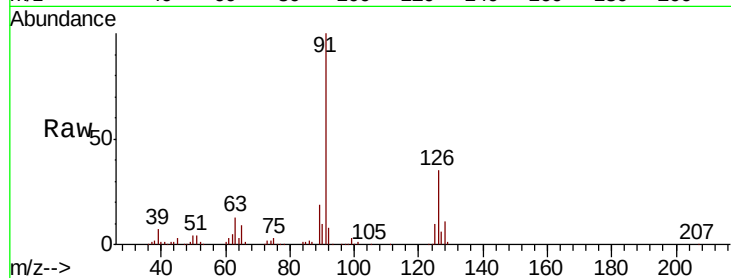
126 36.1 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.080 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050870.D

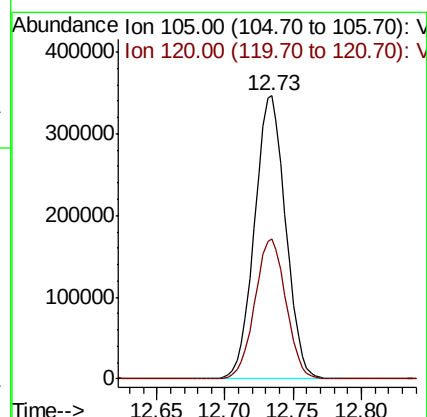
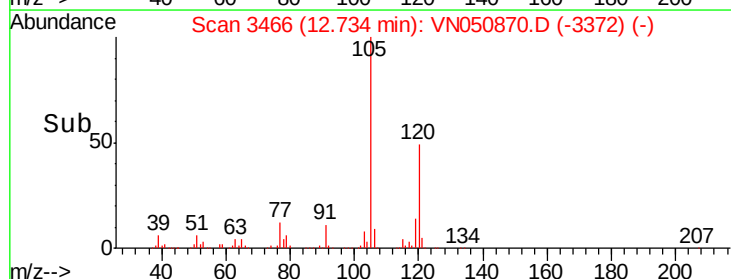
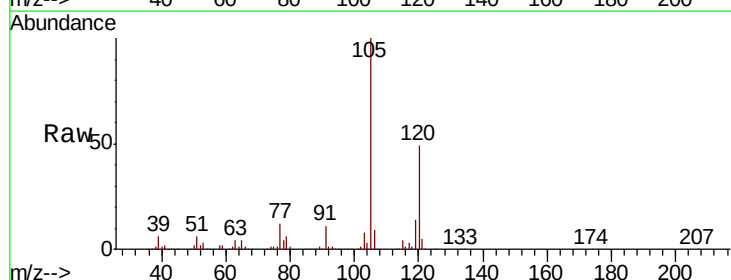
Acq: 24 Aug 2018 12:25

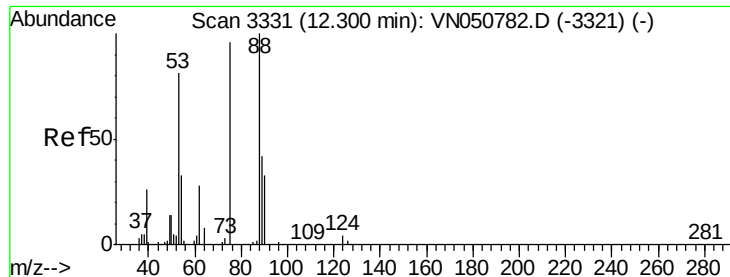
Tgt Ion: 105 Resp: 545194

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0





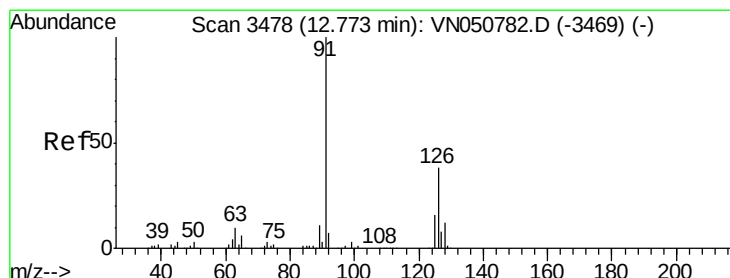
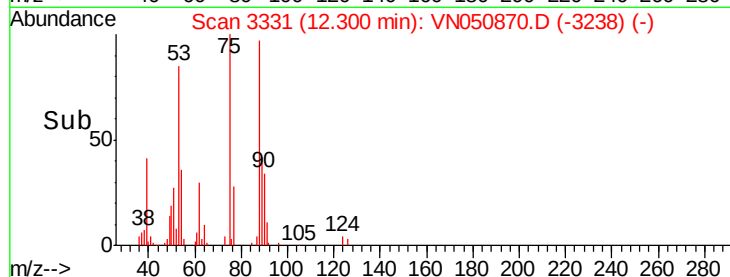
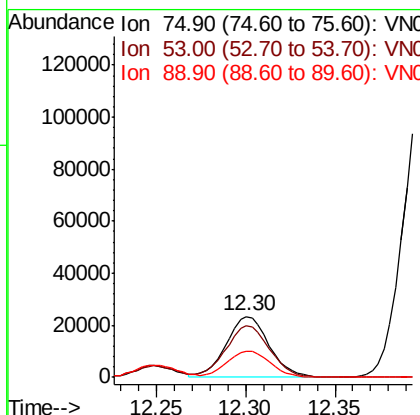
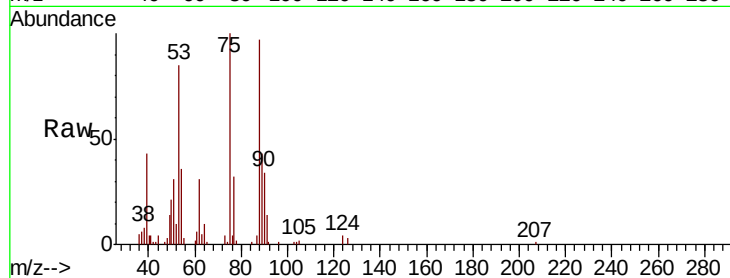
#81
trans-1,4-Dichloro-2-butene
Concen: 20.411 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	87.1	68.9	103.3
89	43.6	36.1	54.1

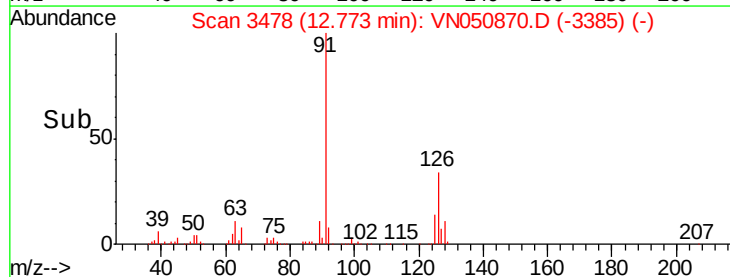
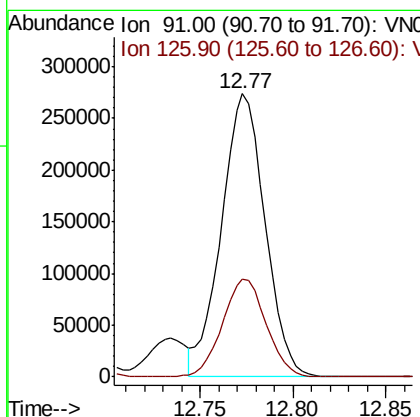
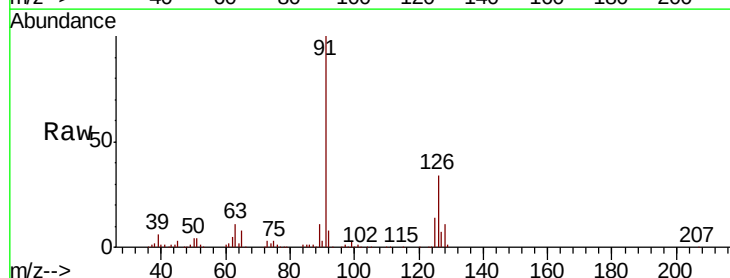
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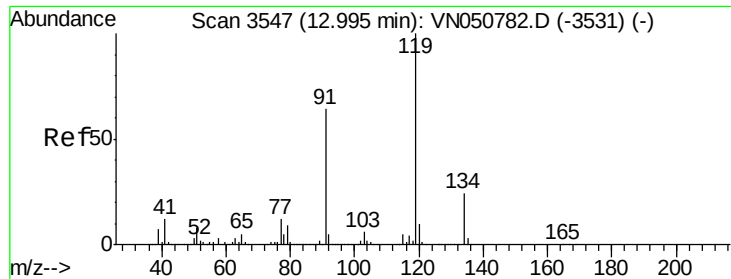
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.184 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





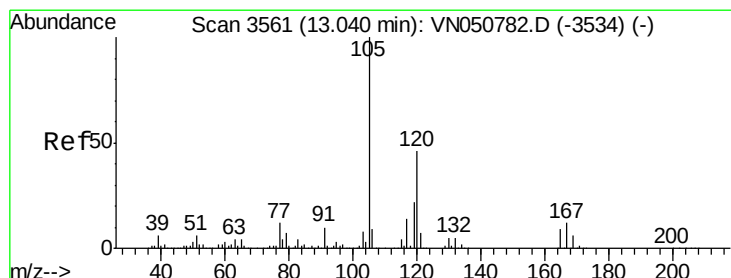
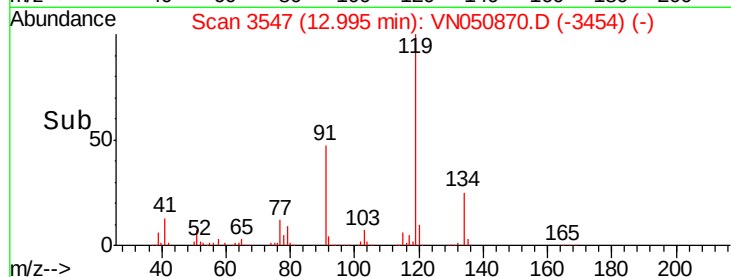
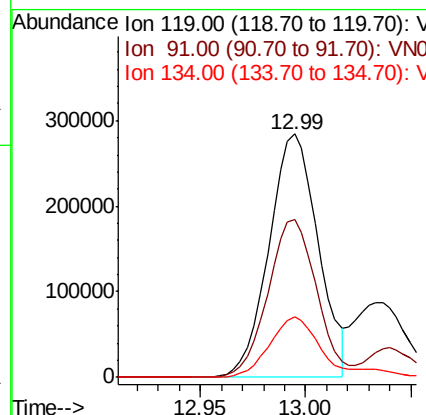
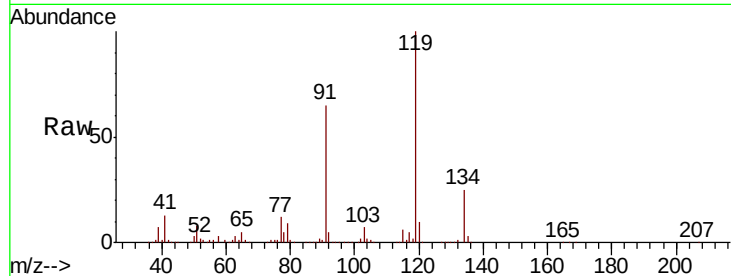
#83
 tert-Butylbenzene
 Concen: 21.613 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	462186		
91	64.5	31.6	94.7	
134	24.9	13.4	40.1	

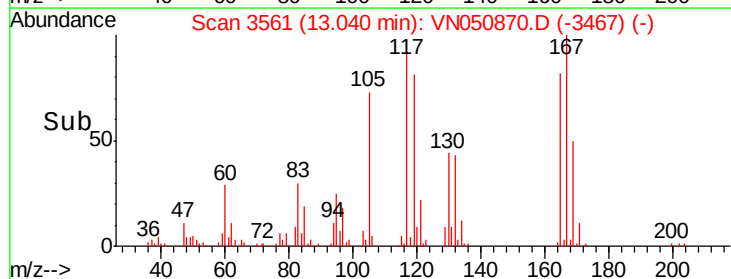
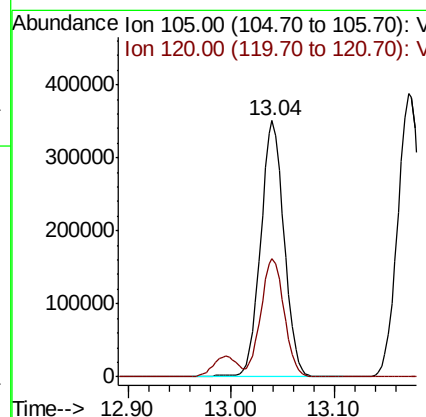
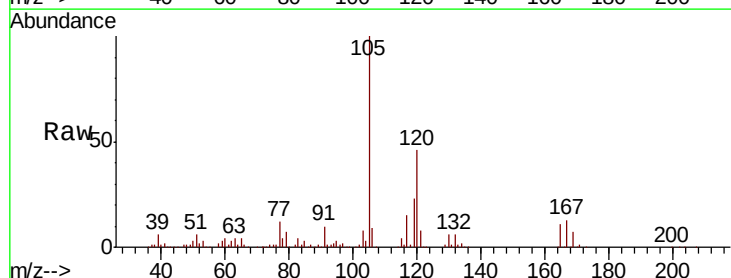
Manual Integrations
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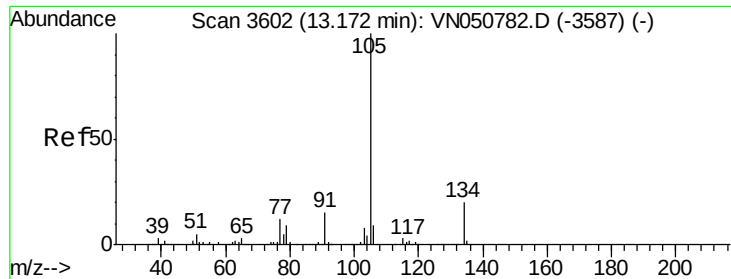
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.169 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	550614		
120	46.2	22.9	68.8	





#85

sec-Butylbenzene

Concen: 21.771 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS02

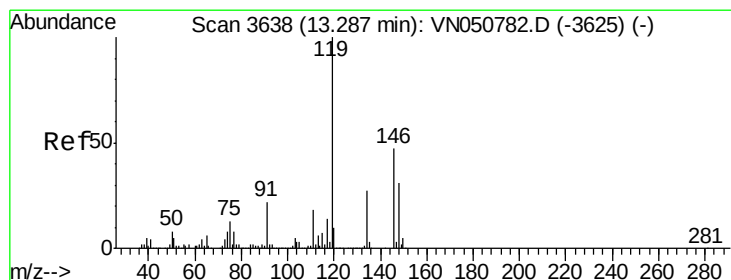
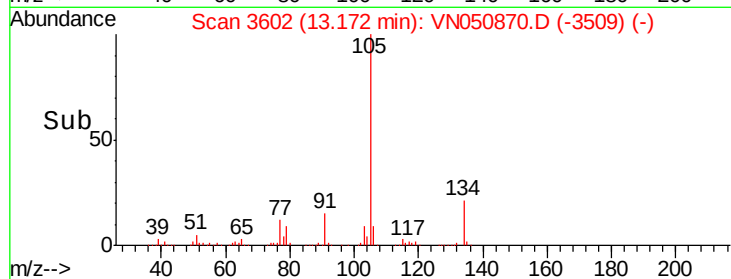
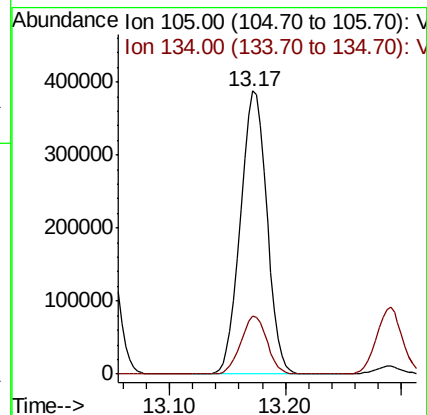
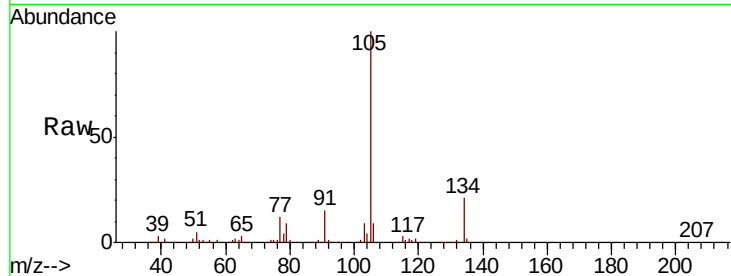
Tgt Ion:105 Resp: 610050
Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 21.899 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050870.D

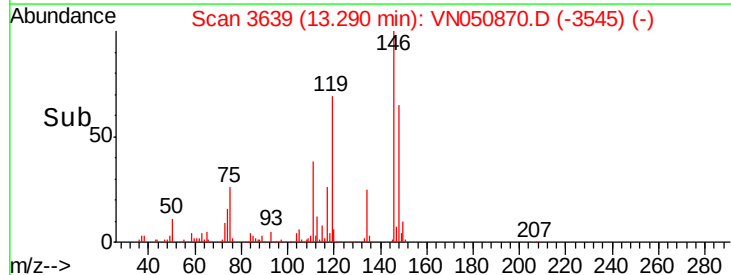
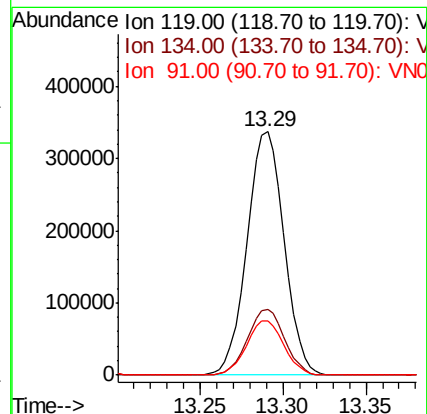
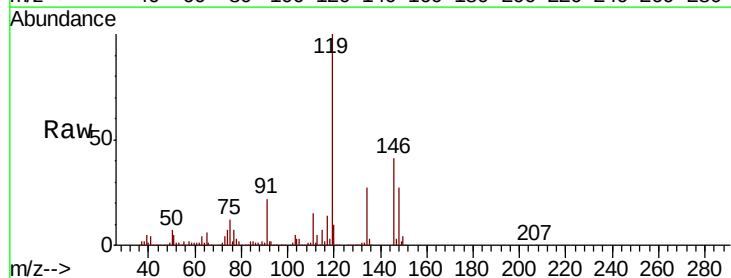
Acq: 24 Aug 2018 12:25

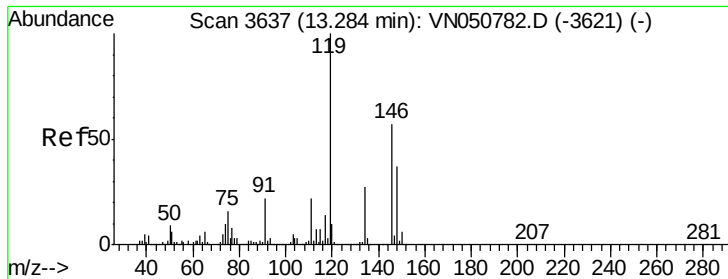
Tgt Ion:119 Resp: 522865
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.920 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Instrument :

MSVOA_N

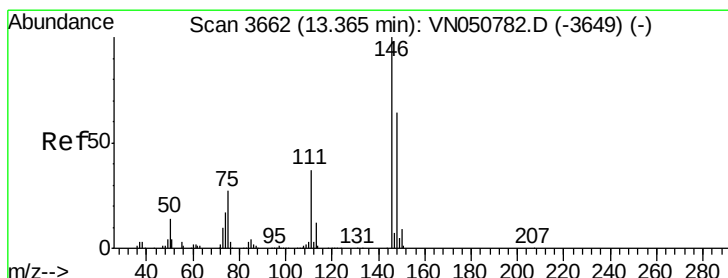
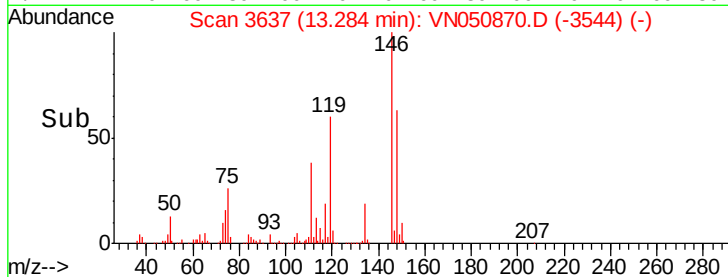
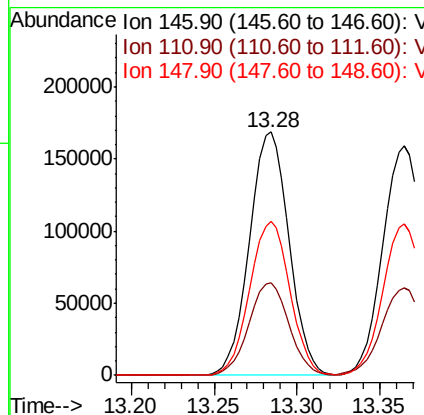
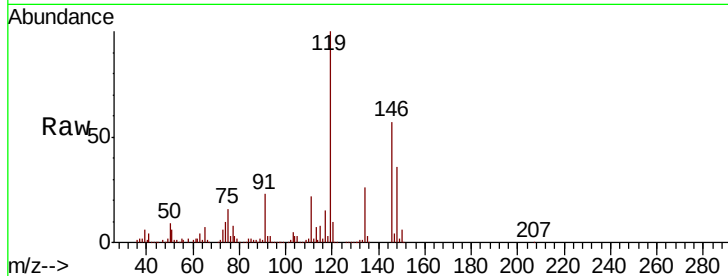
ClientSampleId :

VN0824WBS02

Tgt Ion:	146	Resp:	281143
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.1	57.3
148	64.2	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.556 ug/l

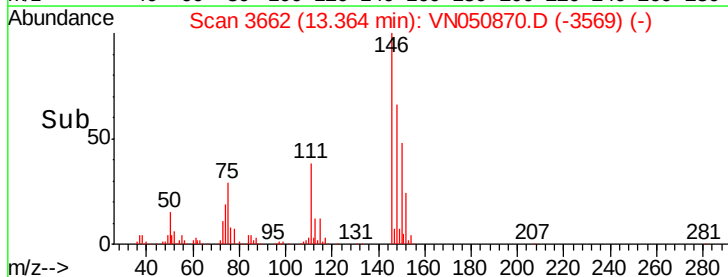
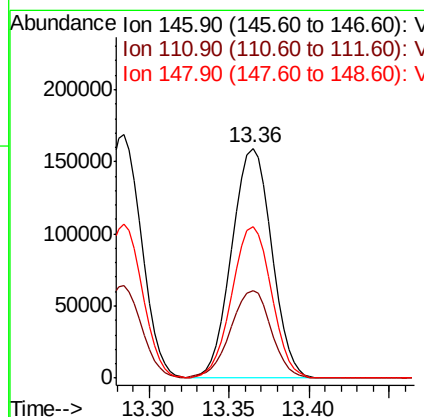
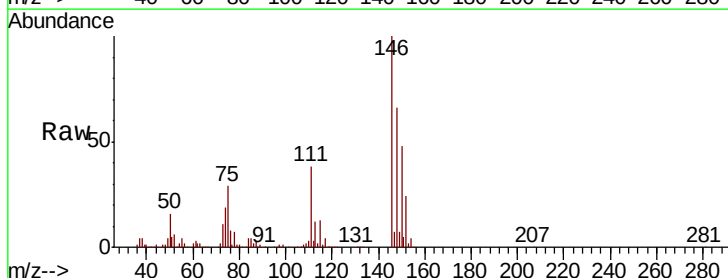
RT: 13.36 min Scan# 3662

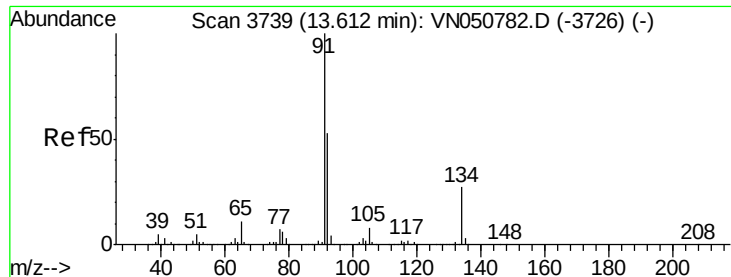
Delta R.T. -0.00 min

Lab File: VN050870.D

Acq: 24 Aug 2018 12:25

Tgt Ion:	146	Resp:	271634
Ion Ratio	Lower	Upper	
146	100		
111	38.7	18.8	56.3
148	65.3	32.2	96.6





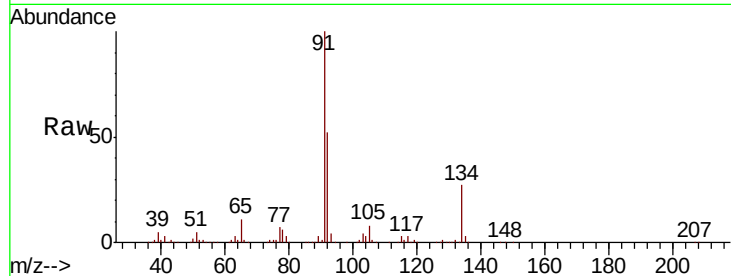
#89
n-Butylbenzene
Concen: 19.745 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	26.3	13.2	39.6

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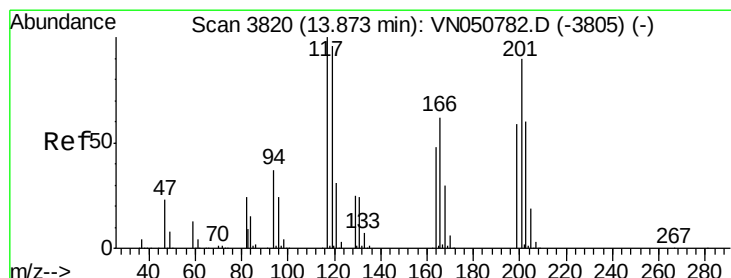
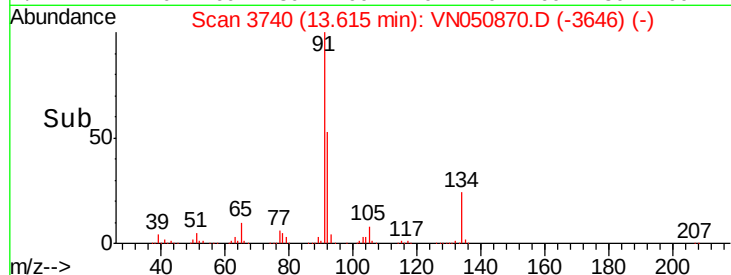
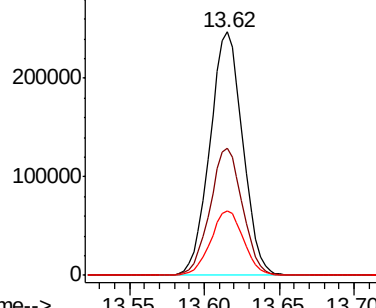


Abundance

Ion 91.00 (90.70 to 91.70): VN050870.D (-3740) (-)

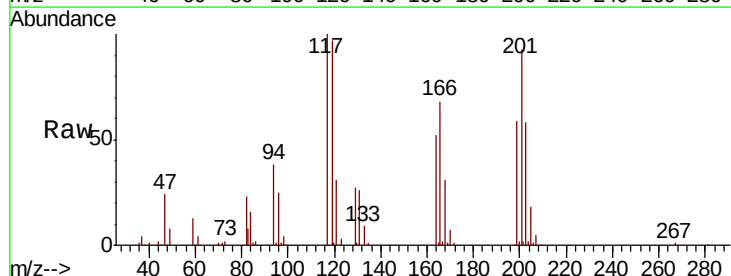
Ion 92.00 (91.70 to 92.70): VN050870.D (-3740) (-)

Ion 134.00 (133.70 to 134.70): VN050870.D (-3740) (-)



#90
Hexachloroethane
Concen: 21.738 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

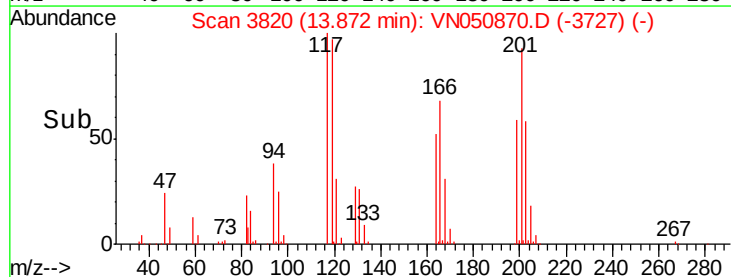
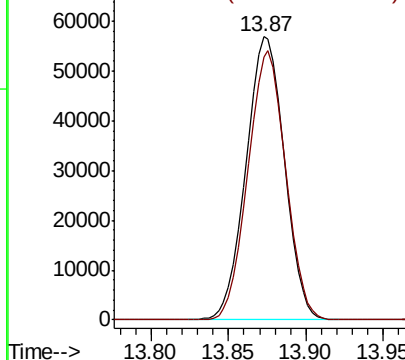
Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	46.0	137.8

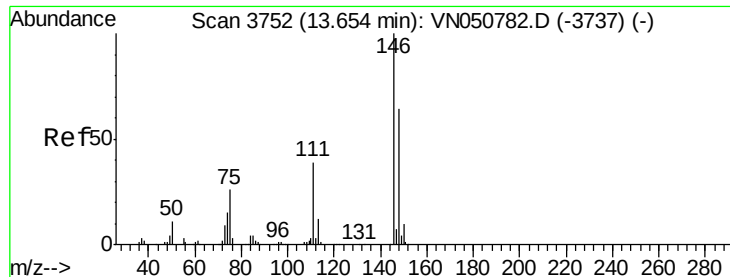


Abundance

Ion 116.80 (116.50 to 117.50): VN050870.D (-3820) (-)

Ion 200.70 (200.40 to 201.40): VN050870.D (-3820) (-)





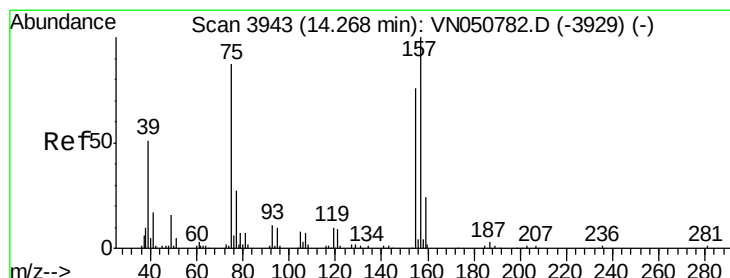
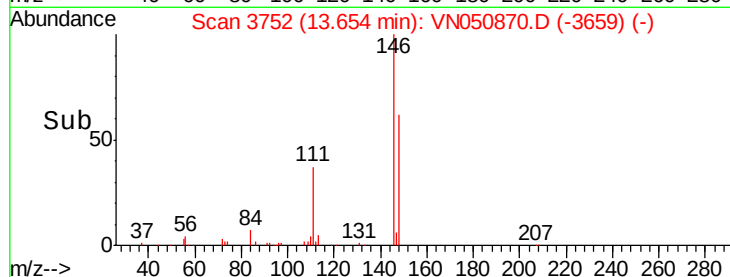
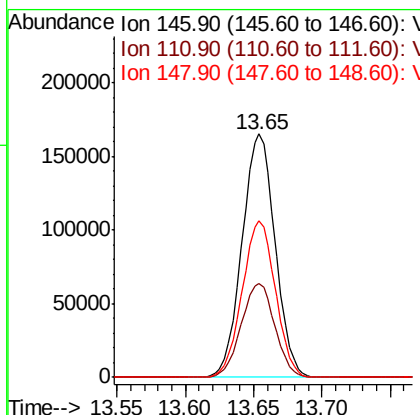
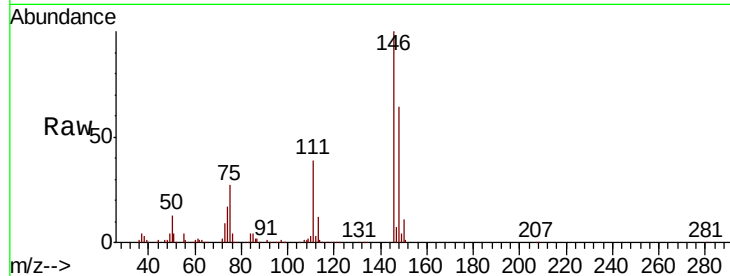
#91
 1,2-Dichlorobenzene
 Concen: 20.428 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	278157		
111	39.1	19.8	59.3	
148	64.5	32.3	96.8	

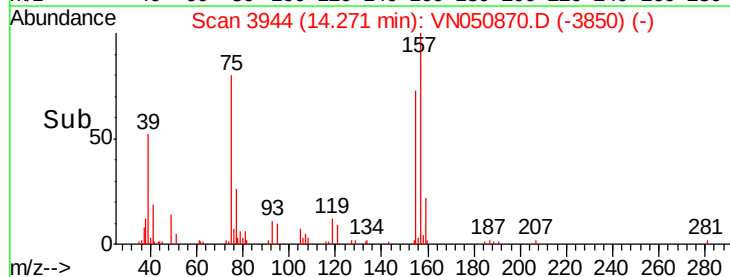
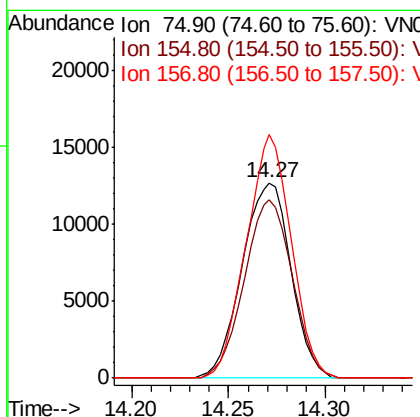
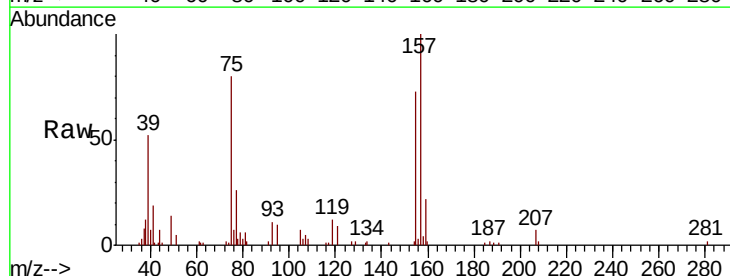
Manual Integrations
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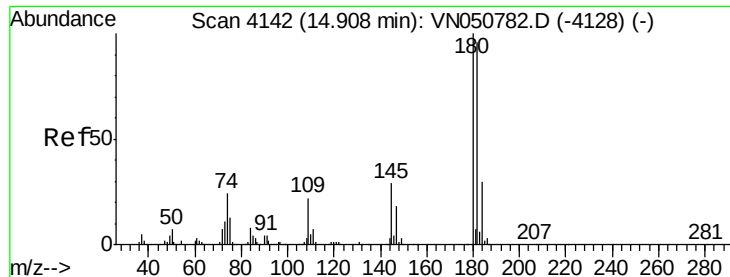
MMDadoda
 8/25/2018 1:18:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.260 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22266		
155	89.9	46.4	139.1	
157	115.2	60.7	182.0	





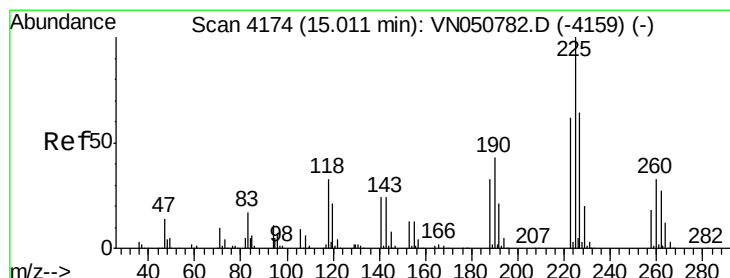
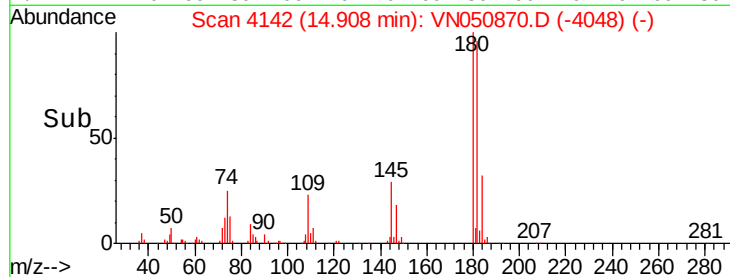
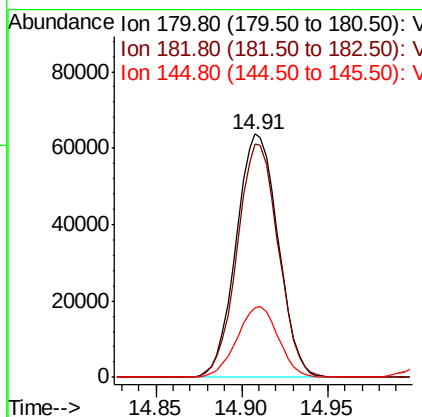
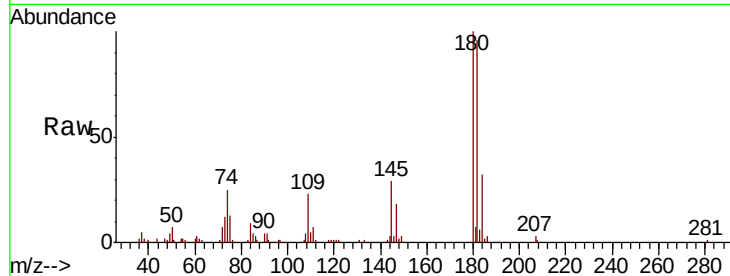
#93
 1,2,4-Trichlorobenzene
 Concen: 18.085 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108000		
182	94.1	48.2	144.6	
145	28.7	14.1	42.2	

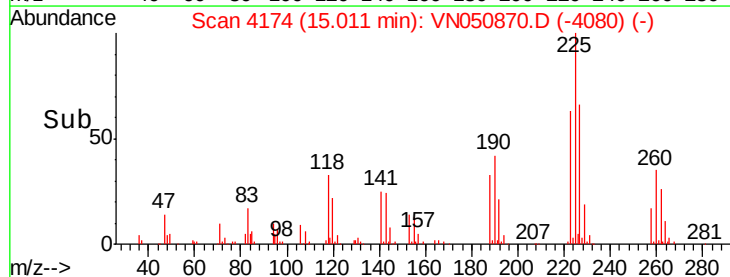
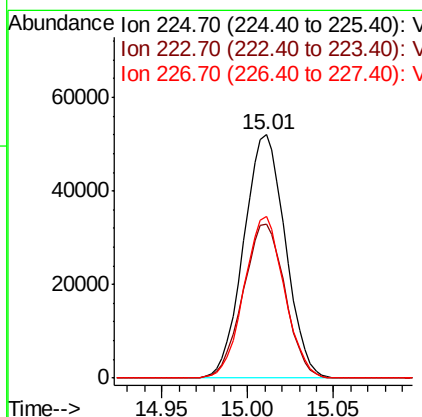
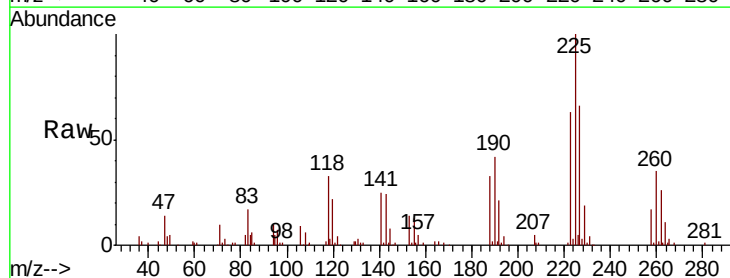
Manual Integrations
 APPROVED

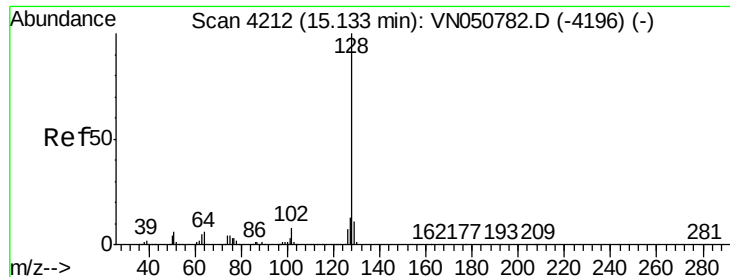
MMDadoda
 8/25/2018 1:18:45 PM



#94
 Hexachlorobutadiene
 Concen: 21.016 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050870.D
 Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87446		
223	63.5	31.3	93.8	
227	63.9	32.0	96.2	





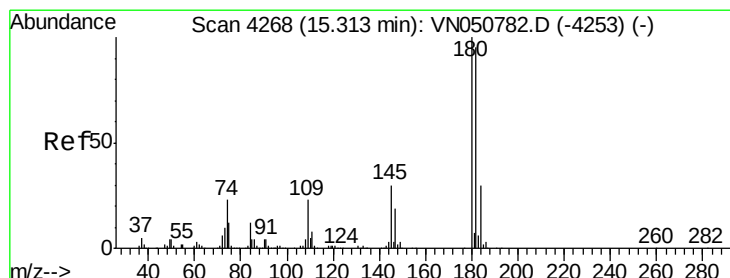
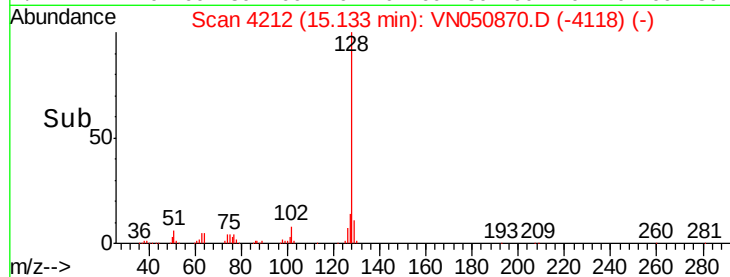
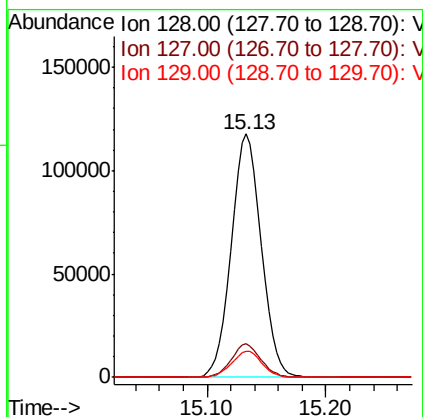
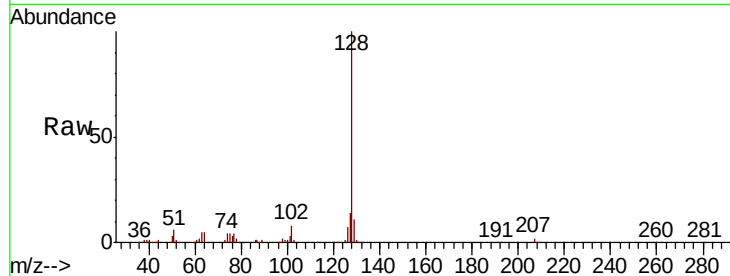
#95
Naphthalene
Concen: 17.796 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	205190		
127	13.4	10.5	15.7	
129	10.7	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
8/25/2018 1:18:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.815 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. 0.00 min
Lab File: VN050870.D
Acq: 24 Aug 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	110319		
182	96.1	48.0	144.2	
145	30.2	15.2	45.6	

