

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050427.D
 Acq On : 7 Aug 2018 13:22
 Operator : MD\SY
 Sample : VN0807WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 10:47:14 AM

Quant Time: Aug 08 05:47:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	654242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	967326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	873011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	437093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	437085	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.59	113	392397	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.09	98	1460508	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	464168	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	139915	19.27	ug/l	100
3) Chloromethane	2.06	50	172602	19.21	ug/l	98
4) Vinyl Chloride	2.18	62	182132	19.38	ug/l	99
5) Bromomethane	2.56	94	104164	22.95	ug/l	99
6) Chloroethane	2.70	64	110021	18.99	ug/l	100
7) Trichlorofluoromethane	3.01	101	241540	19.90	ug/l	100
8) Diethyl Ether	3.41	74	83678	18.79	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147811	19.70	ug/l	99
10) Methyl Iodide	3.95	142	73580	22.26	ug/l	98
11) Tert butyl alcohol	4.80	59	53523	76.22	ug/l #	90
12) 1,1-Dichloroethene	3.73	96	133607	18.89	ug/l	97
13) Acrolein	3.61	56	72751	89.87	ug/l	99
14) Allyl chloride	4.33	41	208213	18.33	ug/l	99
15) Acrylonitrile	4.99	53	257501	87.54	ug/l	99
16) Acetone	3.82	43	236174	90.37	ug/l	98
17) Carbon Disulfide	4.05	76	405206	17.62	ug/l	100
18) Methyl Acetate	4.33	43	126603	18.57	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	367797	18.32	ug/l	100
20) Methylene Chloride	4.55	84	156970	18.72	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	145193	18.97	ug/l	97
22) Diisopropyl ether	5.96	45	453671	19.55	ug/l	96
23) Vinyl Acetate	5.90	43	1535744	92.76	ug/l	99
24) 1,1-Dichloroethane	5.85	63	272947	19.17	ug/l	99
25) 2-Butanone	6.84	43	371533	85.77	ug/l	99
26) 2,2-Dichloropropane	6.83	77	218815	18.64	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	161673	19.06	ug/l	99
28) Bromochloromethane	7.20	49	129652	19.78	ug/l	99
29) Tetrahydrofuran	7.22	42	192452	83.01	ug/l	98
30) Chloroform	7.37	83	279114	19.61	ug/l	99
31) Cyclohexane	7.66	56	240785	18.82	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	236151	19.32	ug/l	99
36) 1,1-Dichloropropene	7.80	75	203929	19.19	ug/l	99
37) Ethyl Acetate	6.93	43	137021	17.90	ug/l	98
38) Carbon Tetrachloride	7.78	117	207546	18.72	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	214657	18.50	ug/l	100
40) Benzene	8.04	78	632587	19.36	ug/l	99
41) Methacrylonitrile	7.18	41	65354	16.06	ug/l	88
42) 1,2-Dichloroethane	8.13	62	201551	19.43	ug/l	100
43) Isopropyl Acetate	8.17	43	240776	18.22	ug/l	99
44) Trichloroethene	8.84	130	164524	18.74	ug/l	100
45) 1,2-Dichloropropane	9.12	63	166632	19.40	ug/l	97
46) Dibromomethane	9.21	93	100277	18.90	ug/l	100
47) Bromodichloromethane	9.40	83	210326	19.14	ug/l	100
48) Methyl methacrylate	9.20	41	115248	17.40	ug/l	100
49) 1,4-Dioxane	9.20	88	32765	320.98	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	831445	87.38	ug/l	99
52) Toluene	10.16	92	384221	19.58	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	201210	18.24	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	236196	19.18	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	144687	18.88	ug/l	97
56) Ethyl methacrylate	10.43	69	173892	17.20	ug/l	97
57) 1,3-Dichloropropane	10.71	76	237478	18.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	431841	90.30	ug/l	99
59) 2-Hexanone	10.75	43	557511	83.95	ug/l	100
60) Dibromochloromethane	10.90	129	156475	18.54	ug/l	97
61) 1,2-Dibromoethane	11.01	107	140693	18.63	ug/l	98
64) Tetrachloroethene	10.63	164	161124	19.75	ug/l	98
65) Chlorobenzene	11.44	112	408229	18.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153785	19.31	ug/l	99
67) Ethyl Benzene	11.51	91	676854	19.13	ug/l	100
68) m/p-Xylenes	11.62	106	529546	39.32	ug/l	99
69) o-Xylene	11.95	106	248754	19.17	ug/l	99
70) Styrene	11.97	104	405150	19.20	ug/l	99
71) Bromoform	12.13	173	106715	18.33	ug/l #	98
73) Isopropylbenzene	12.25	105	660111	20.12	ug/l	99
74) N-amyl acetate	12.07	43	188694	17.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175977	18.59	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	150586m	19.03	ug/l	
77) Bromobenzene	12.53	156	174575	19.86	ug/l	99
78) n-propylbenzene	12.59	91	757989	20.41	ug/l	99
79) 2-Chlorotoluene	12.68	91	455072	19.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	546705	20.53	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43261	19.21	ug/l	97
82) 4-Chlorotoluene	12.77	91	471016	20.59	ug/l	99
83) tert-Butylbenzene	12.99	119	460745	19.83	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	551891	20.45	ug/l	100
85) sec-Butylbenzene	13.17	105	618390	19.97	ug/l	100
86) p-Isopropyltoluene	13.29	119	526812	19.85	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	296670	18.95	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	293164	18.75	ug/l	98
89) n-Butylbenzene	13.62	91	412670	18.26	ug/l	99
90) Hexachloroethane	13.88	117	91126	19.31	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	292933	18.67	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25280	15.73	ug/l	98

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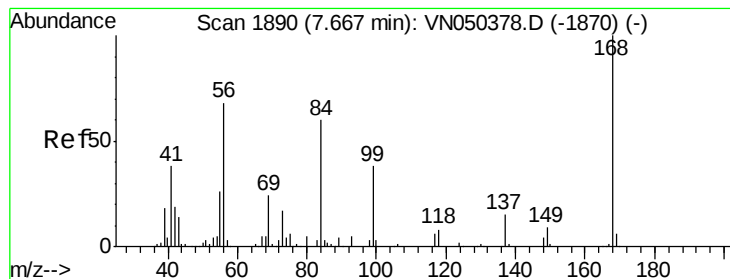
Manual Integrations
APPROVED

MMDadoda
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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	138249	17.30	ug/l	97
94) Hexachlorobutadiene	15.01	225	87640	19.05	ug/l	100
95) Naphthalene	15.14	128	289876	16.32	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	137396	17.00	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

Tot Ion:168 Resp: 654242

Ion Ratio Lower Upper

168 100

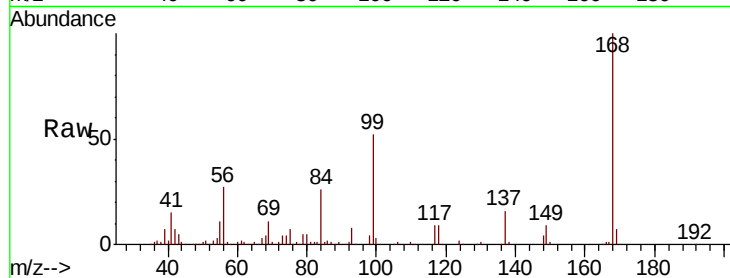
99 51.6 40.0 60.0

Manual Integrations

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8/8/2018 10:47:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

300000

250000

200000

150000

100000

50000

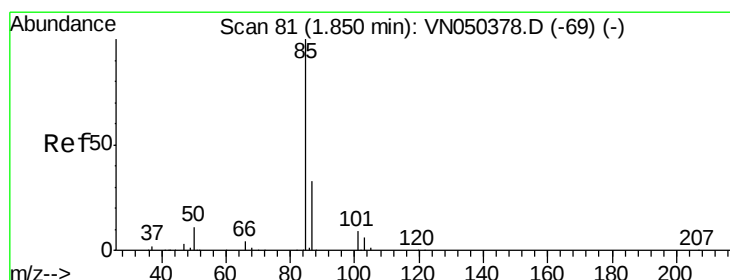
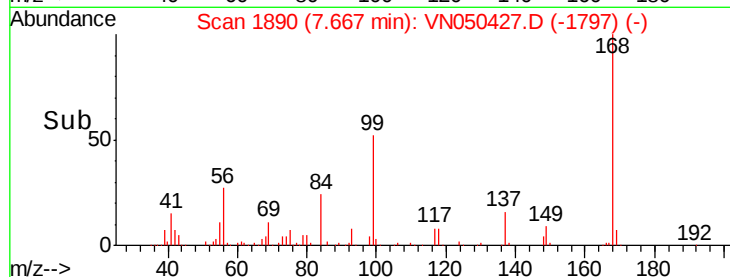
0

7.67

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.27 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050427.D

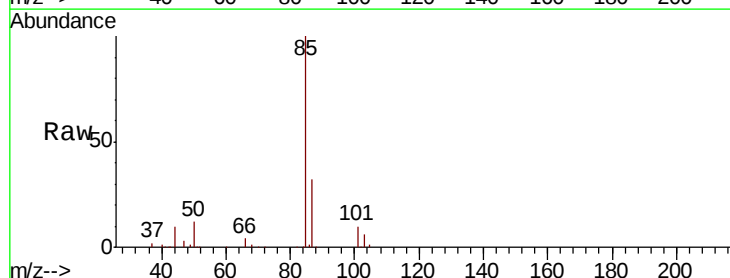
Acq: 7 Aug 2018 13:22

Tgt Ion: 85 Resp: 139915

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

100000

80000

60000

40000

20000

0

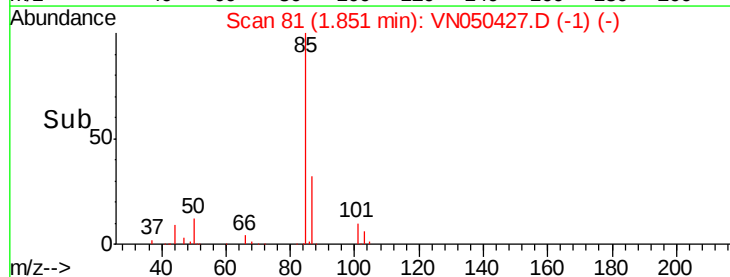
1.85

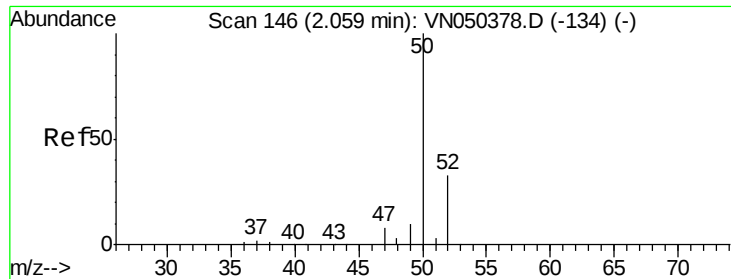
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

Tot Ion: 50 Resp: 172602

Ion Ratio Lower Upper

50 100

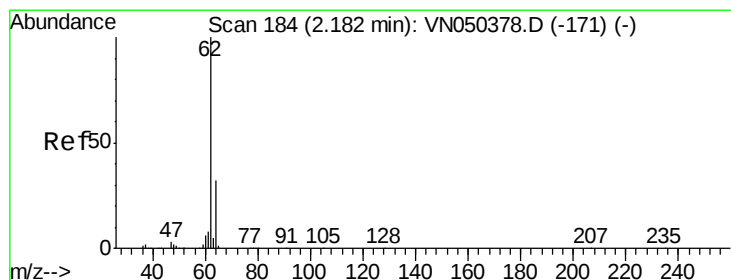
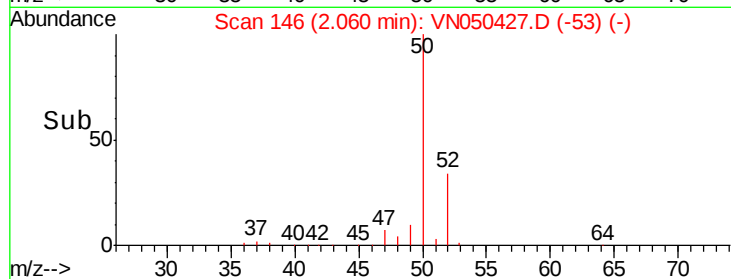
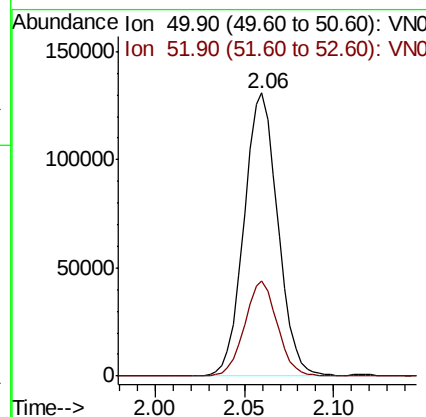
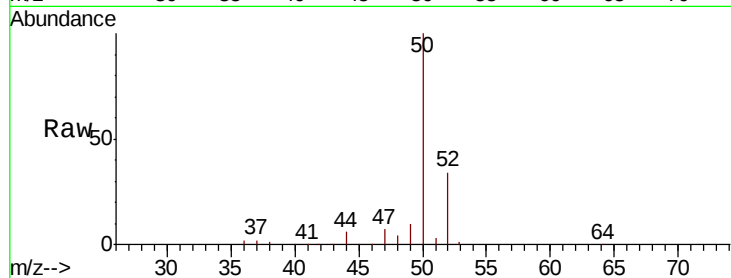
52 33.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.38 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050427.D

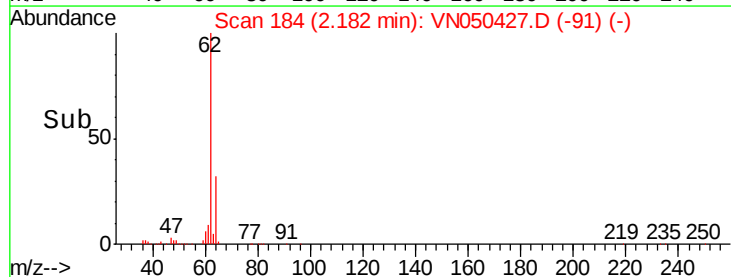
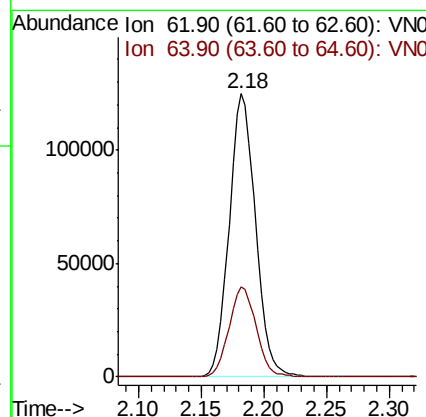
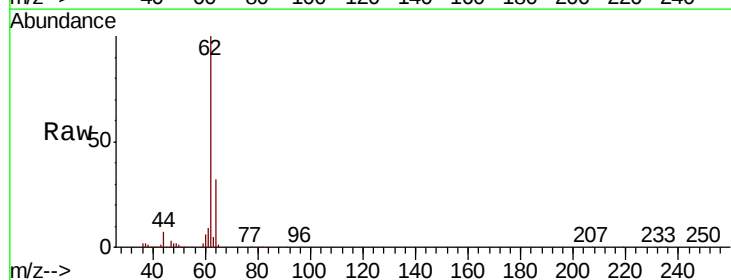
Acq: 7 Aug 2018 13:22

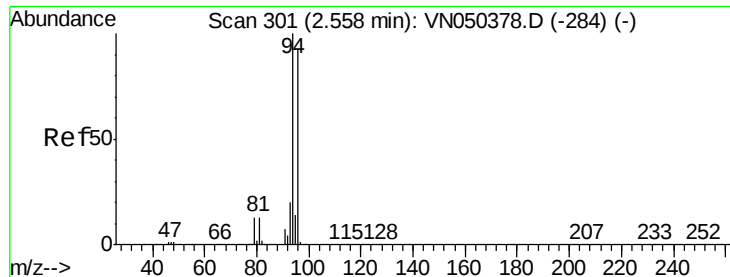
Tgt Ion: 62 Resp: 182132

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#5

Bromomethane

Concen: 22.95 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

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ClientSampleId :

VN0807WBS01

Tot Ion: 94 Resp: 104164

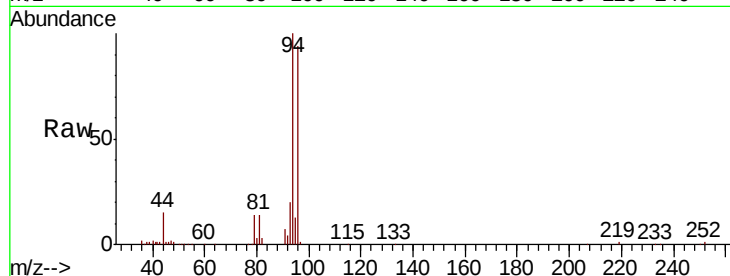
Ion Ratio Lower Upper

94 100

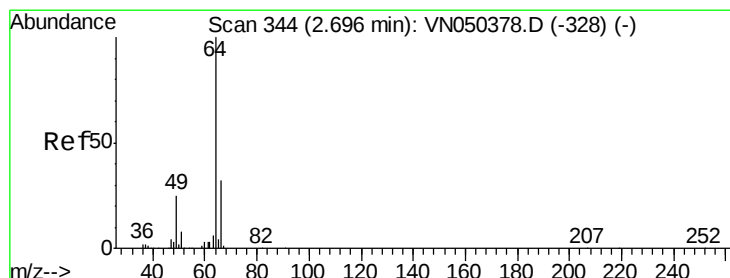
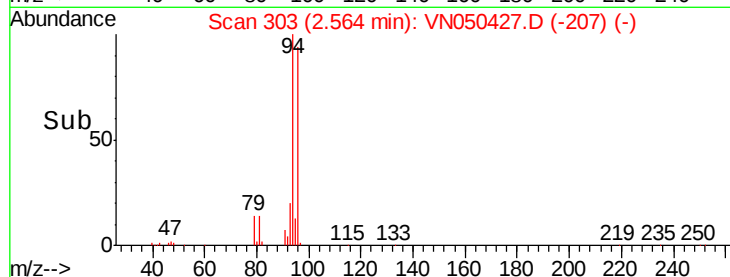
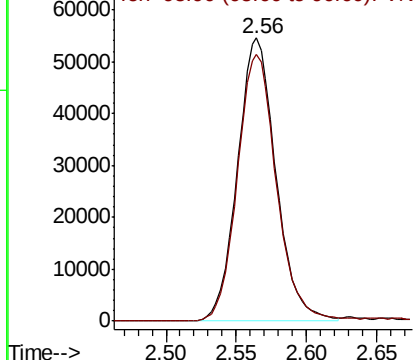
96 93.8 74.6 112.0

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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.99 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050427.D

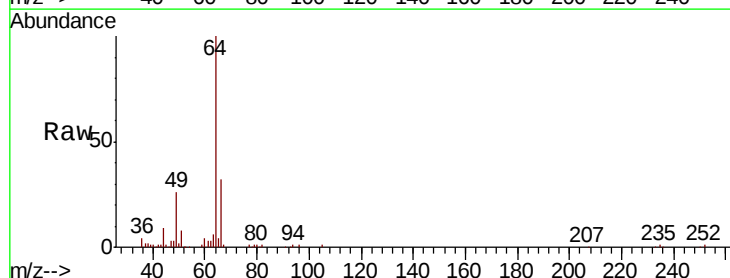
Acq: 7 Aug 2018 13:22

Tgt Ion: 64 Resp: 110021

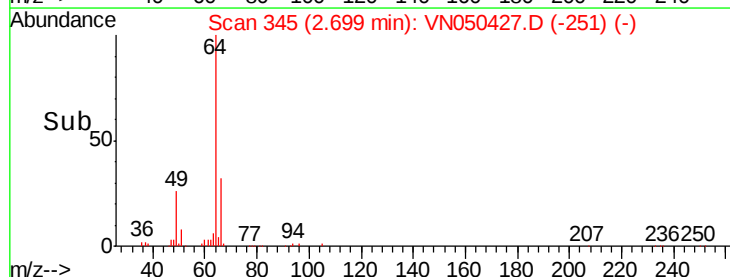
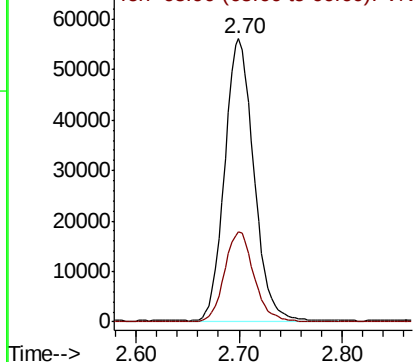
Ion Ratio Lower Upper

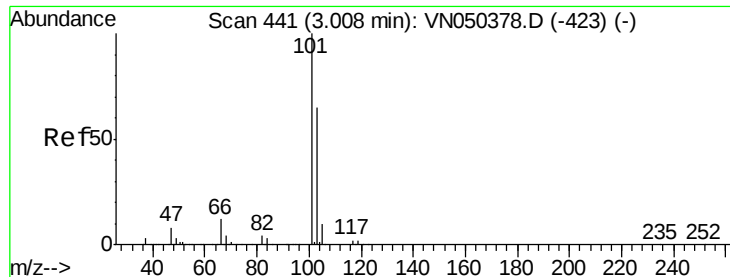
64 100

66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

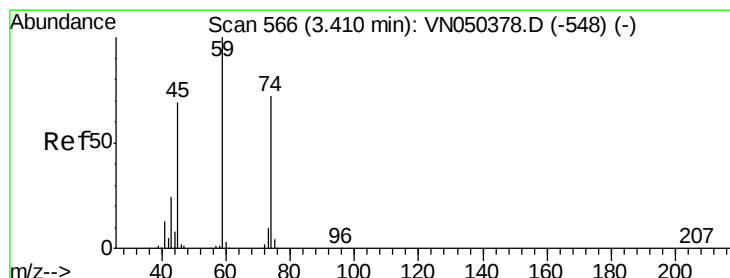
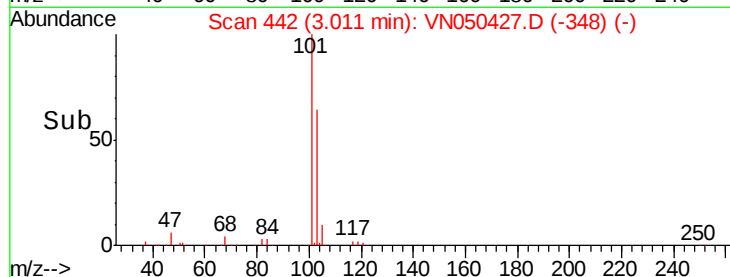
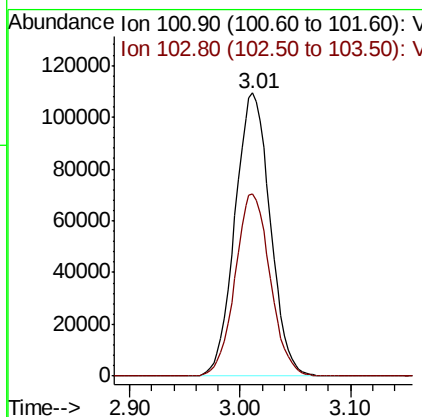
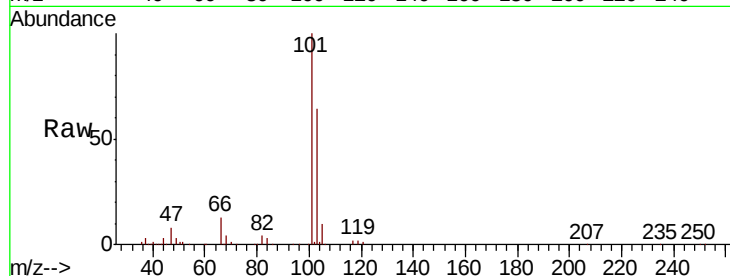
Trichlorofluoromethane
Concen: 19.90 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		241540		
103	64.3	51.7	77.5		

Manual Integrations
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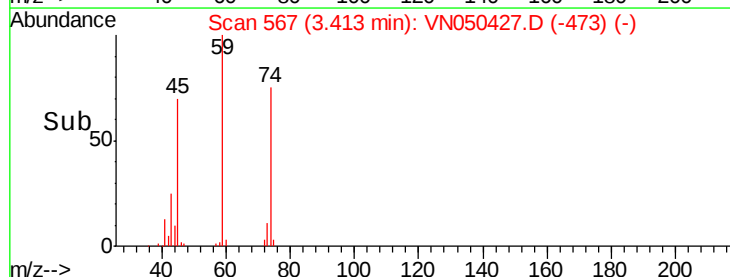
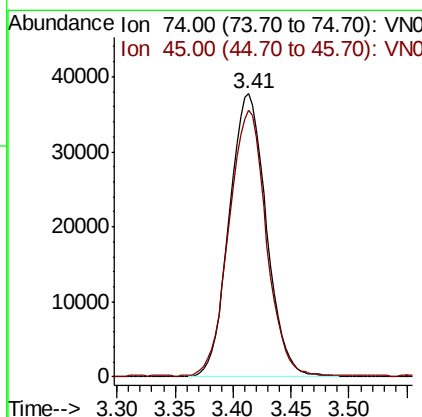
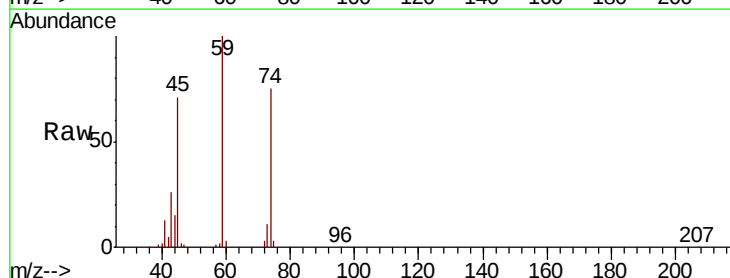
MMDadoda
8/8/2018 10:47:14 AM

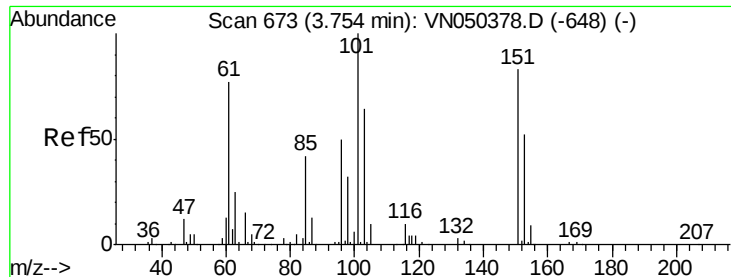


#8

Diethyl Ether
Concen: 18.79 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		83678		
45	93.8	47.6	142.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.70 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

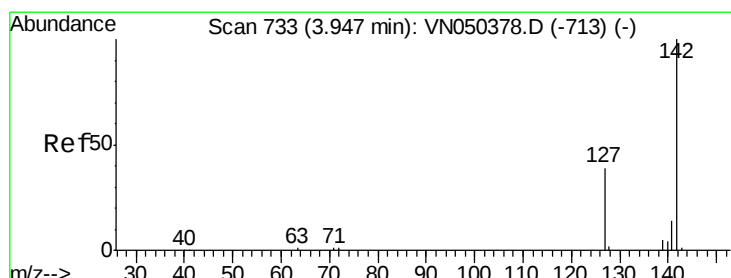
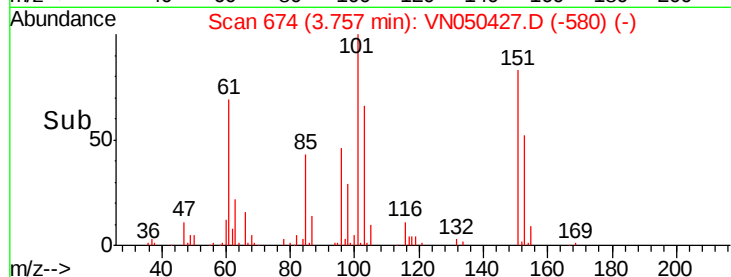
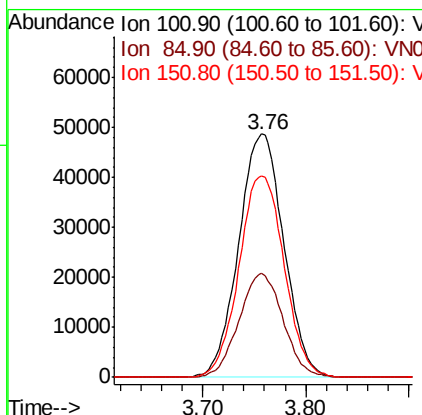
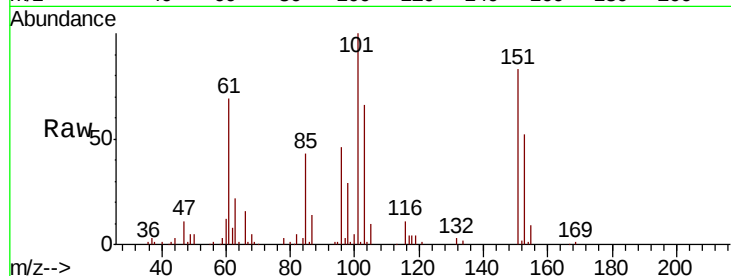
ClientSampleId :

VN0807WBS01

Tot Ion:	101	Resp:	147811
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.2
151	83.0	66.3	99.5

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#10

Methyl Iodide

Concen: 22.26 ug/l

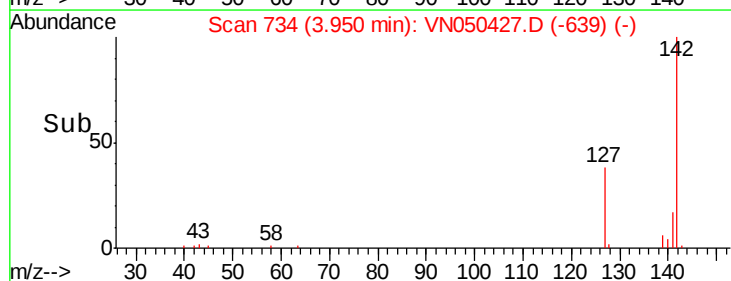
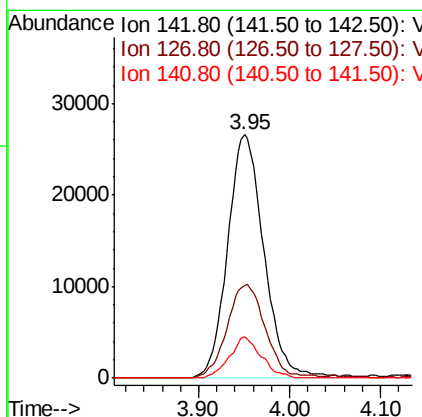
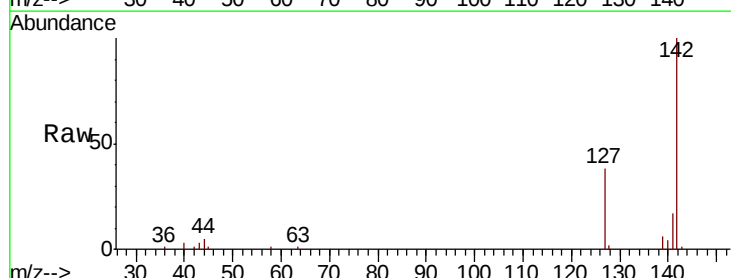
RT: 3.95 min Scan# 734

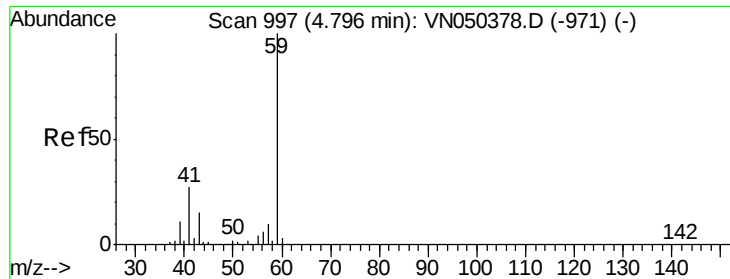
Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion:	142	Resp:	73580
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.4	50.2
141	14.9	11.6	17.4





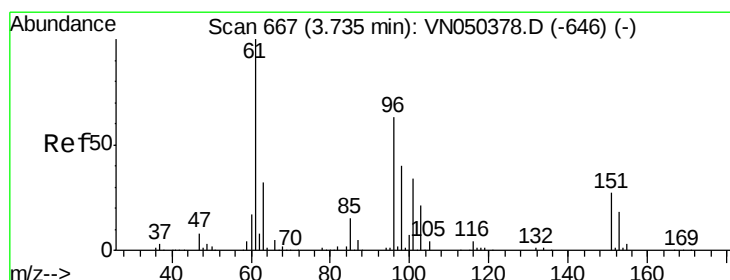
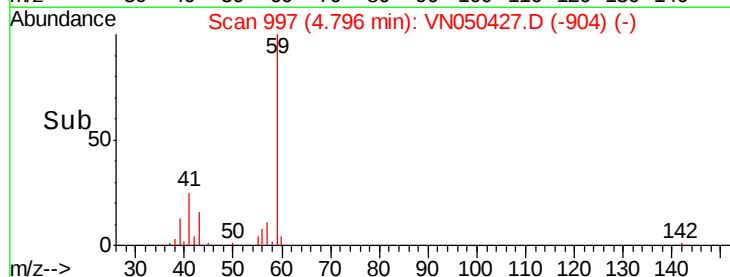
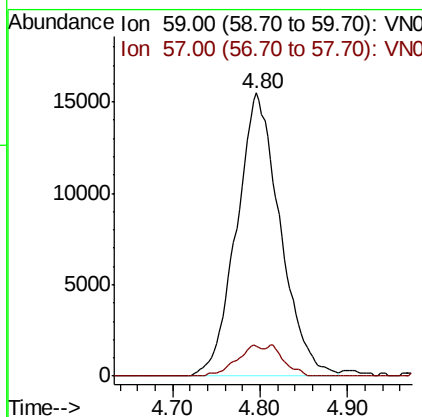
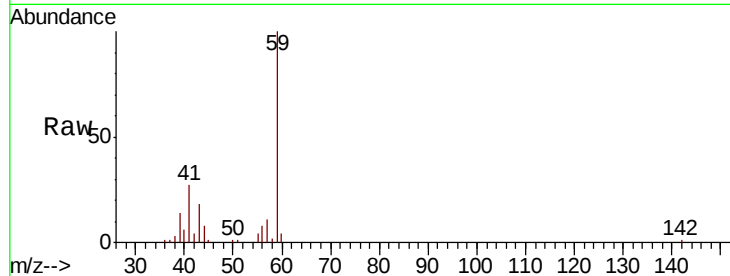
#11
Tert butyl alcohol
Concen: 76.22 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

Tot Ion: 59 Resp: 53523
Ion Ratio Lower Upper
59 100
57 6.9 8.5 12.7#

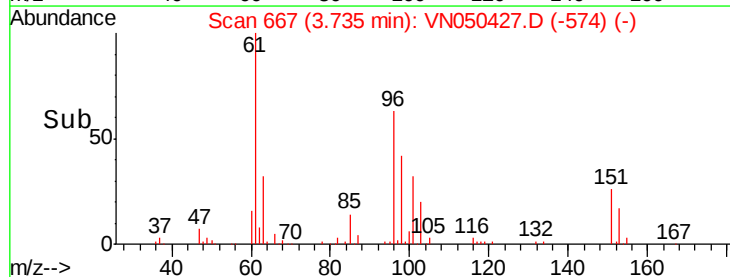
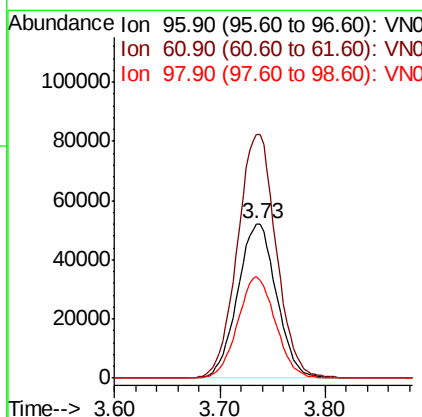
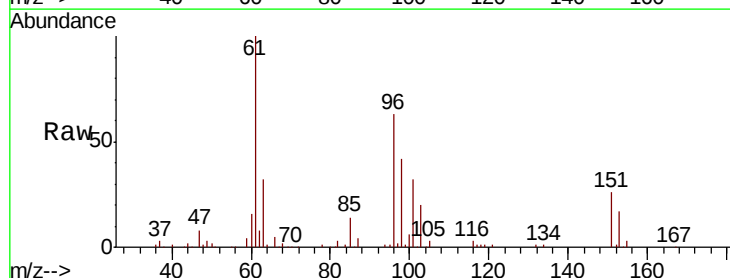
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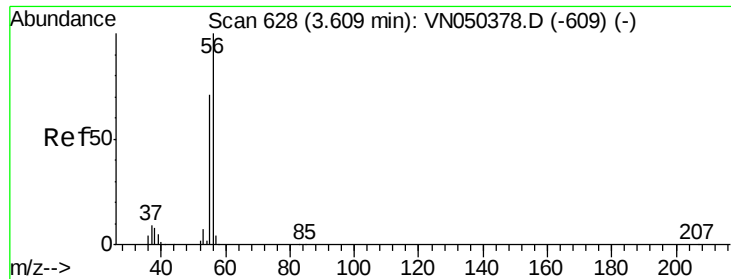
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.89 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion: 96 Resp: 133607
Ion Ratio Lower Upper
96 100
61 157.5 124.4 186.6
98 65.4 48.3 72.5





#13

Acrolein

Concen: 89.87 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

Tot Ion: 56 Resp: 72751

Ion Ratio Lower Upper

56 100

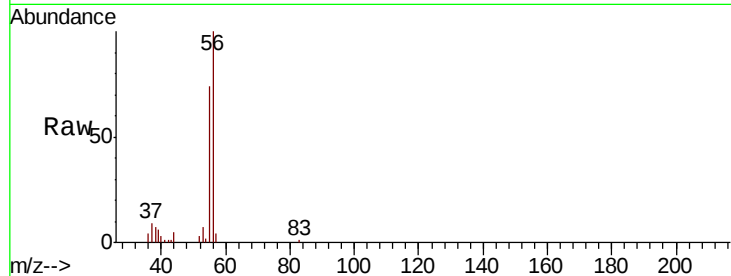
55 70.9 55.8 83.6

Manual Integrations

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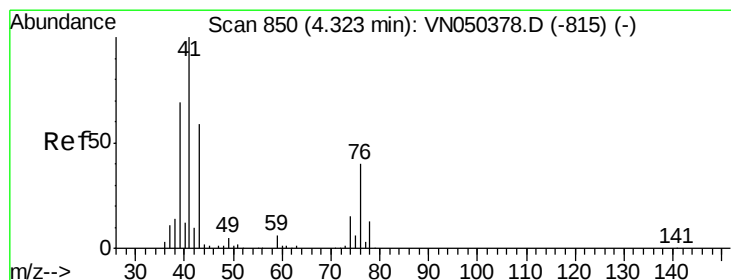
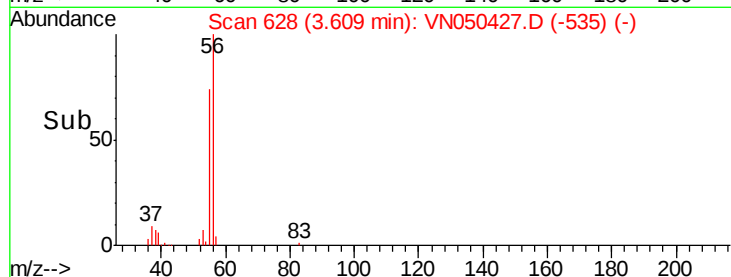
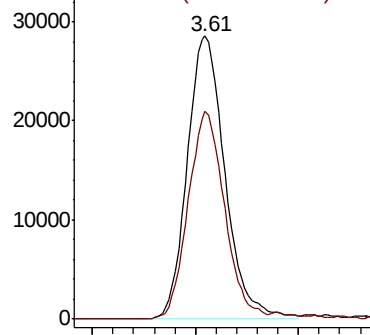
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.33 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

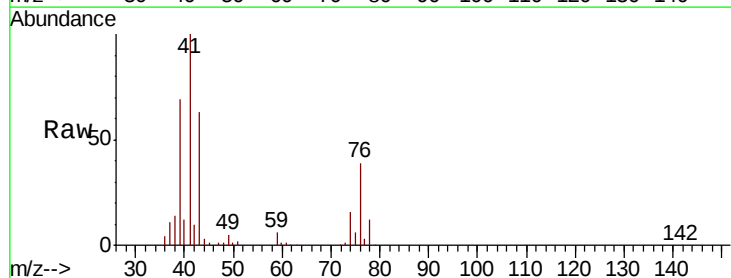
Tgt Ion: 41 Resp: 208213

Ion Ratio Lower Upper

41 100

39 67.1 54.2 81.4

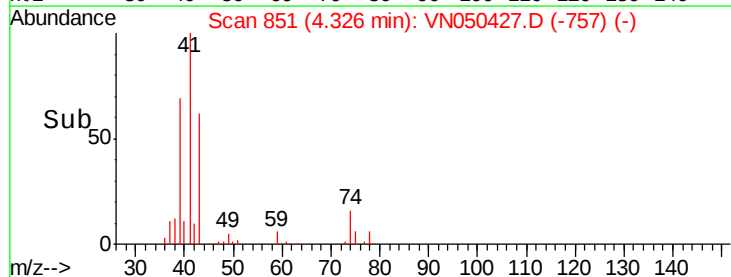
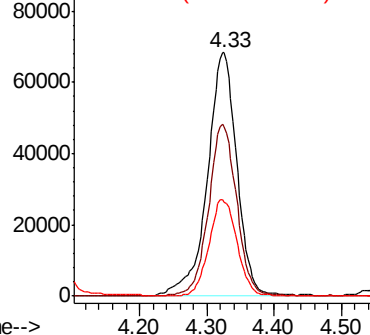
76 37.7 29.0 43.6

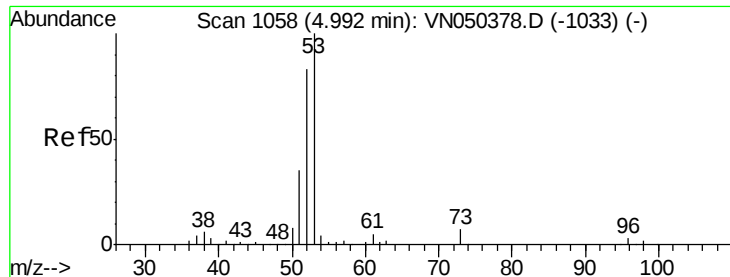


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 87.54 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

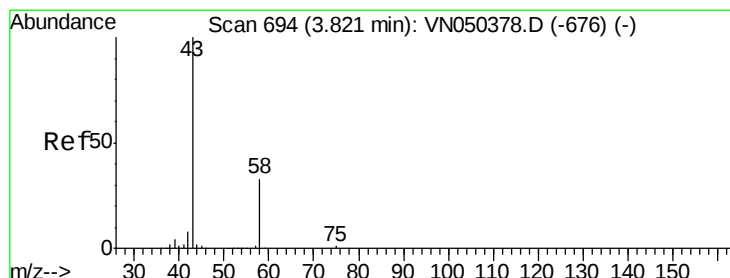
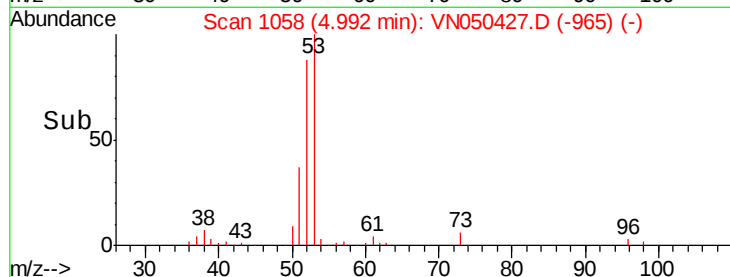
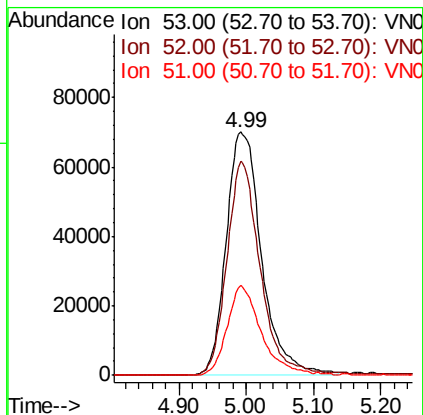
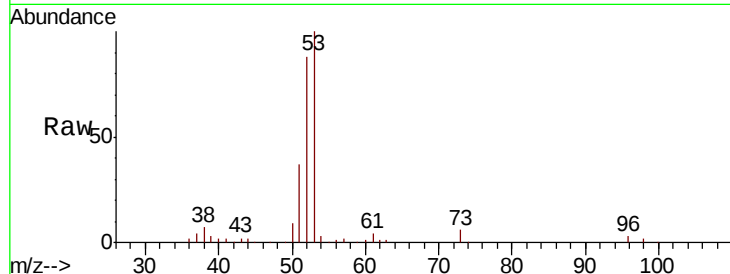
ClientSampleId :

VN0807WBS01

Tot Ion:	53	Resp:	257501
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	35.4	29.3	43.9

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#16

Acetone

Concen: 90.37 ug/l

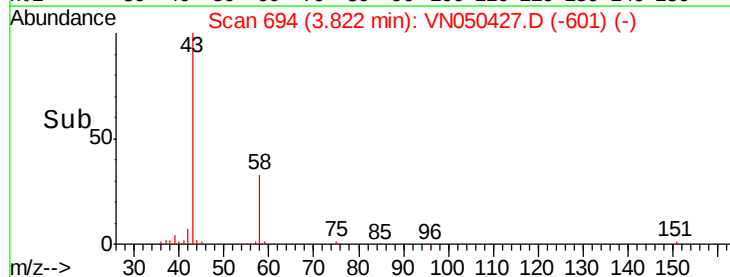
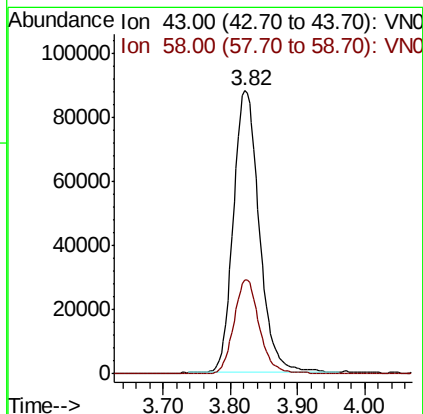
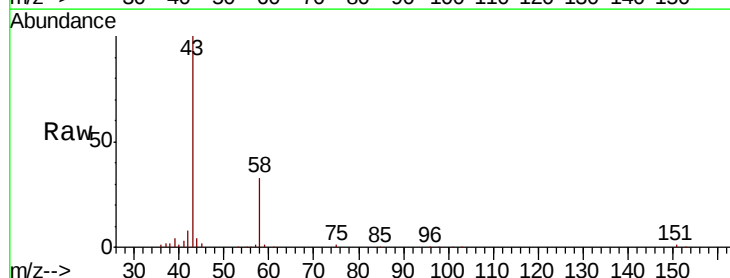
RT: 3.82 min Scan# 694

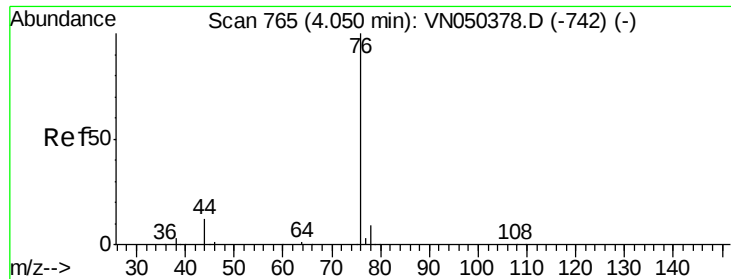
Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion:	43	Resp:	236174
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.8	38.8





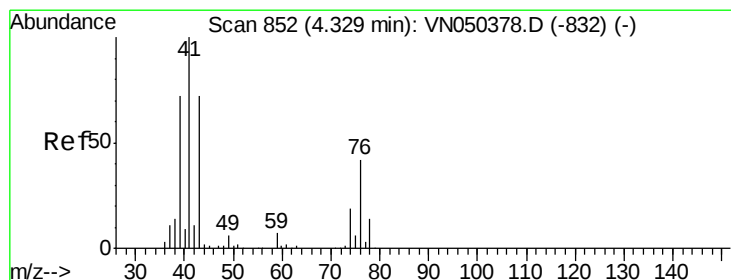
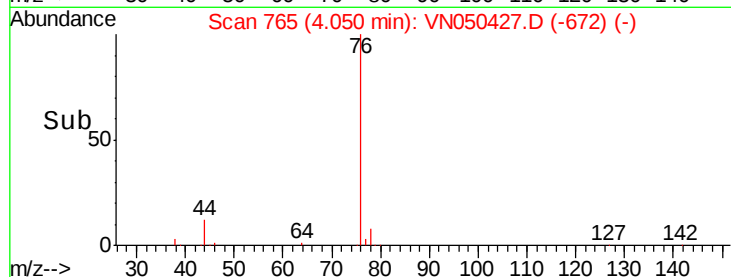
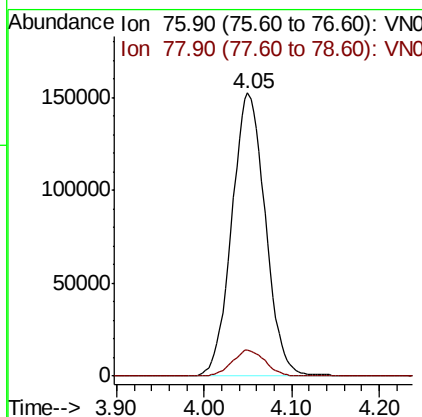
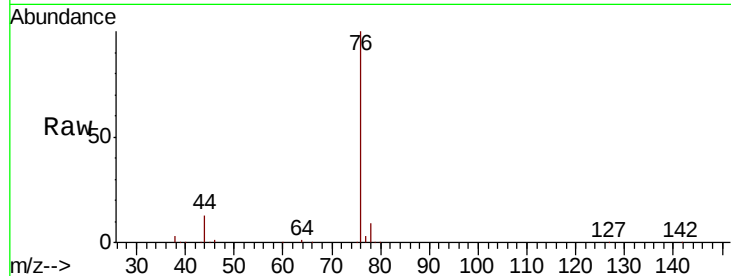
#17
Carbon Disulfide
Concen: 17.62 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

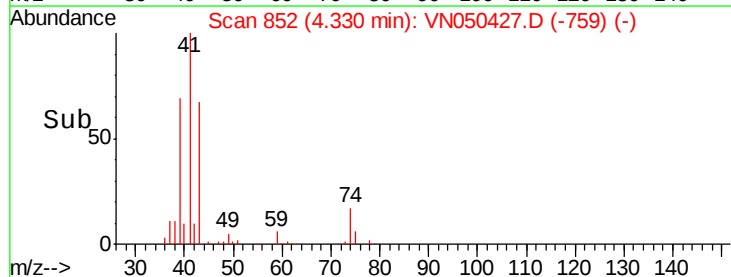
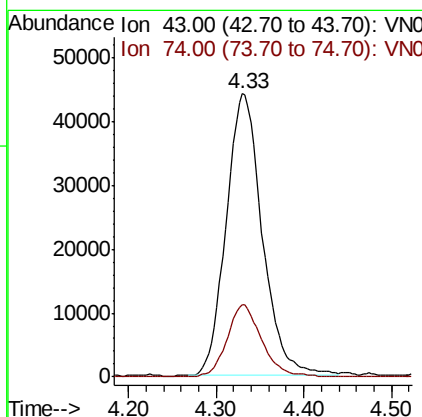
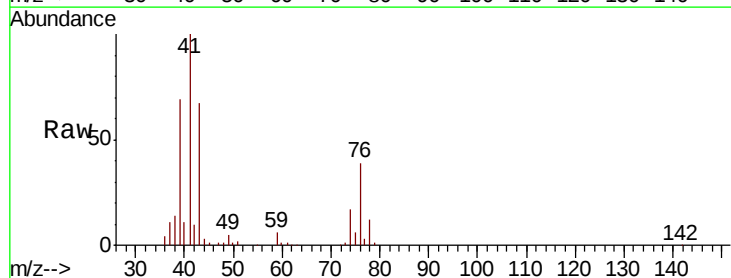
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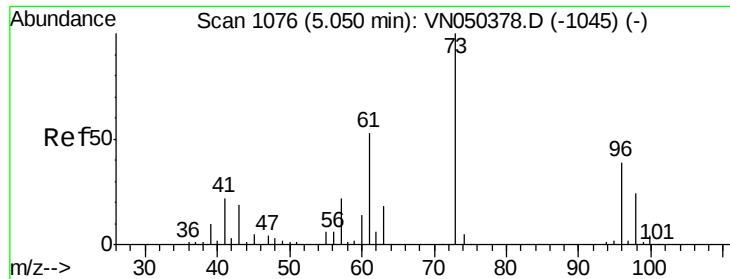
MMDadoda
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#18
Methyl Acetate
Concen: 18.57 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8





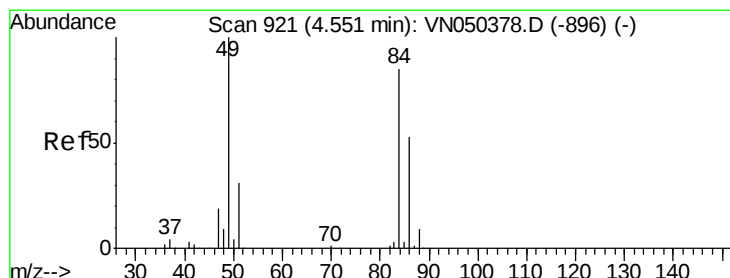
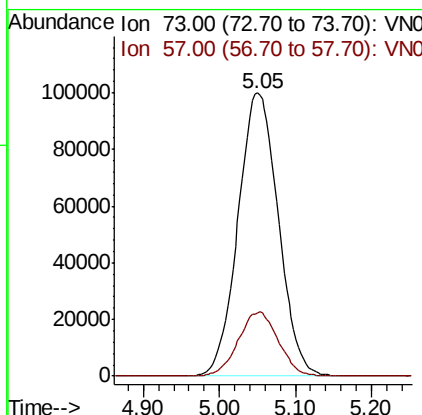
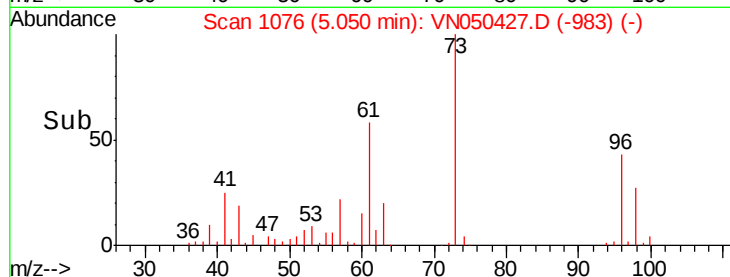
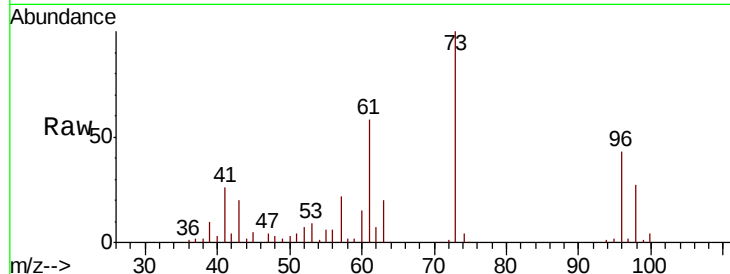
#19
Methvl tert-butvl Ether
Concen: 18.32 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion: 73 Resp: 367797
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0

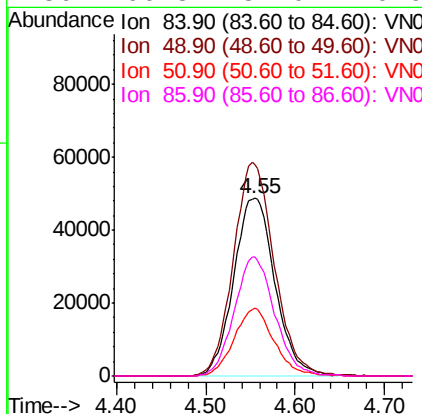
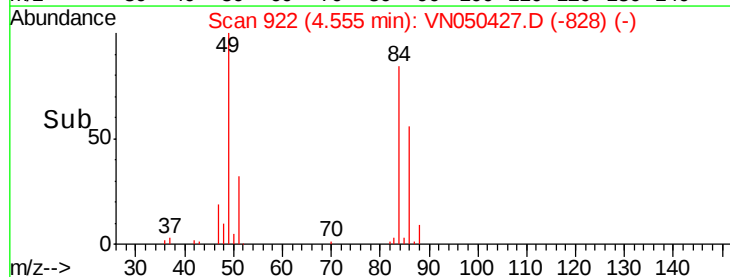
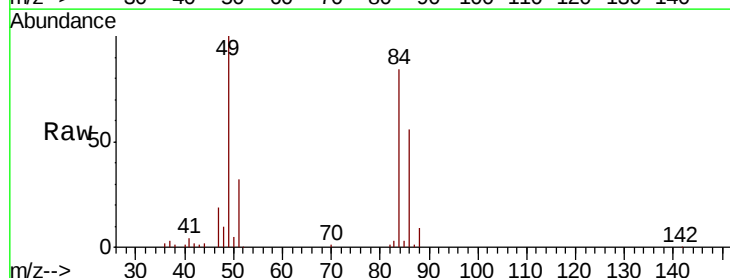
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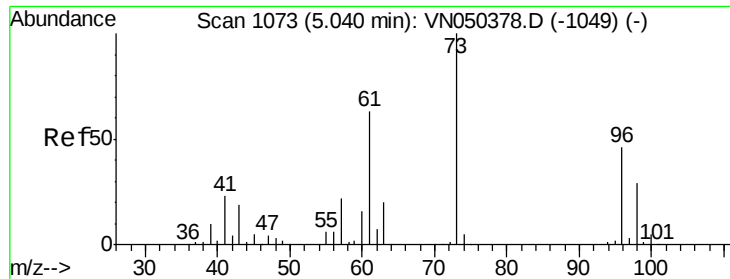
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#20
Methylene Chloride
Concen: 18.72 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion: 84 Resp: 156970
Ion Ratio Lower Upper
84 100
49 119.3 94.8 142.2
51 38.0 28.3 42.5
86 66.8 51.0 76.6





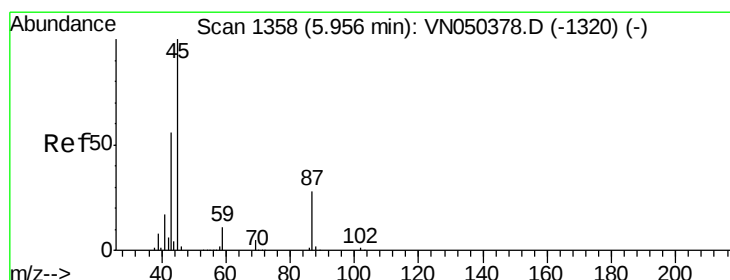
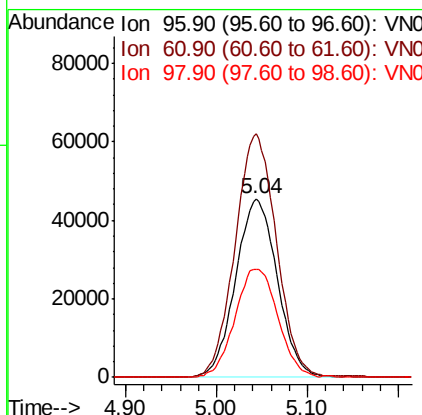
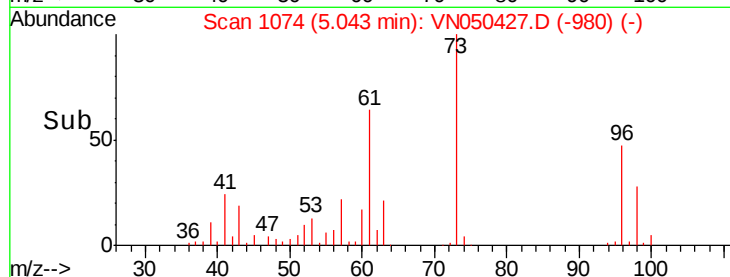
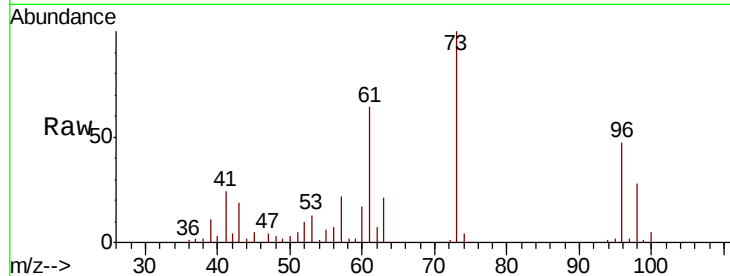
#21
trans-1,2-Dichloroethene
Concen: 18.97 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	110.7	166.1
98	60.7	51.6	77.4

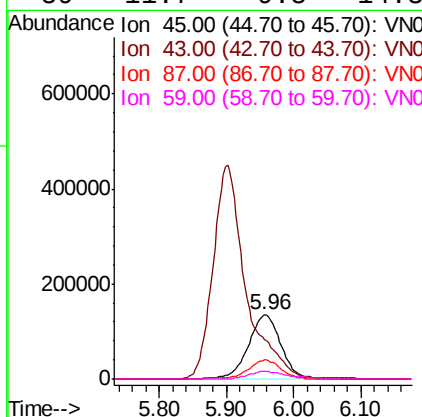
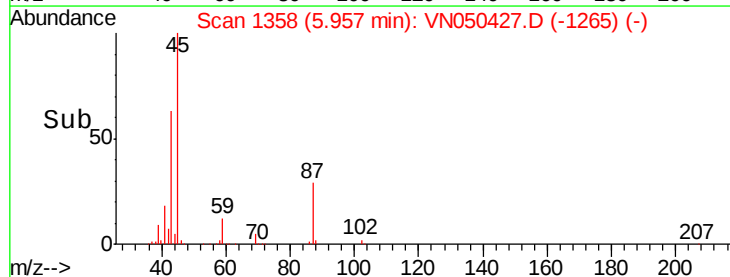
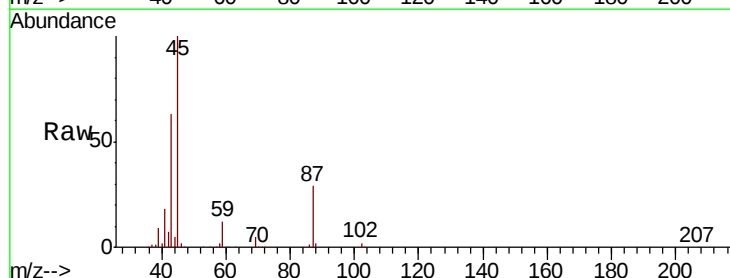
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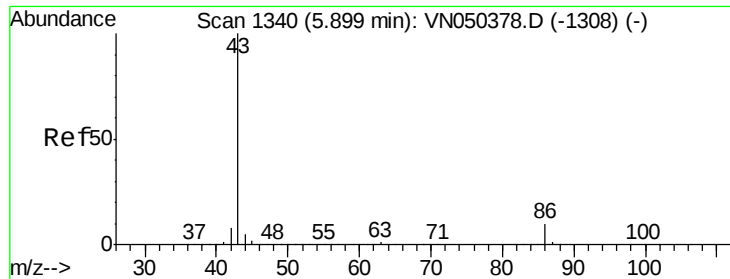
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#22
Diisopropyl ether
Concen: 19.55 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.2	45.7	68.5
87	29.3	22.7	34.1
59	11.7	9.5	14.3





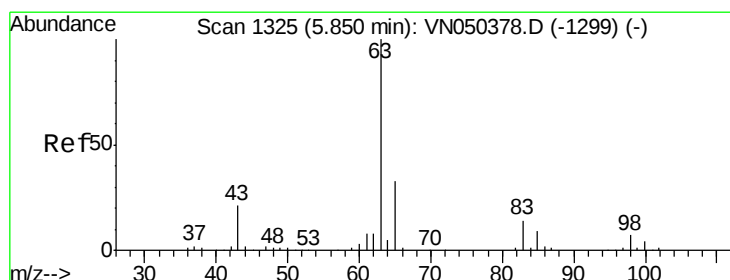
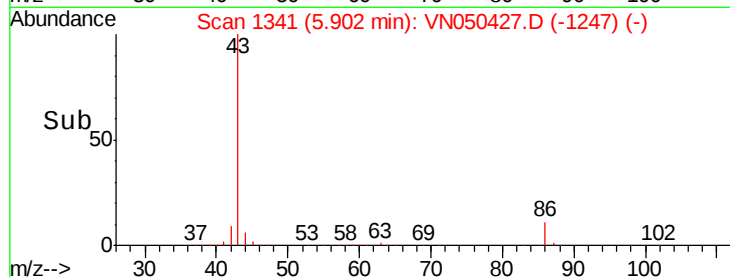
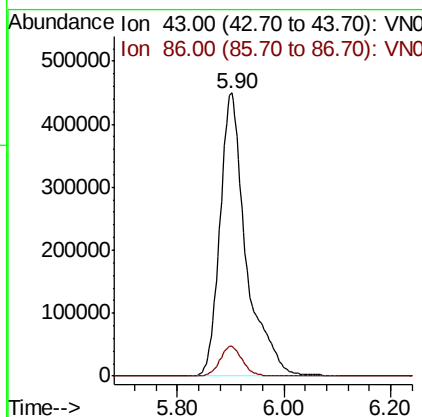
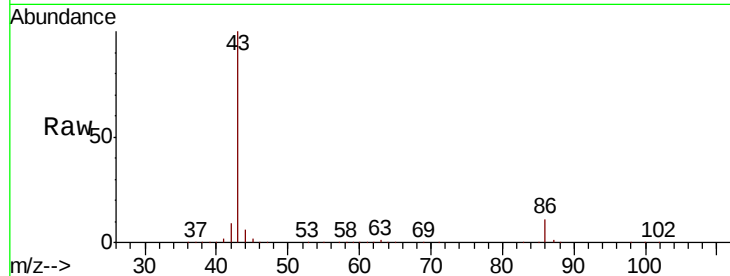
#23
 Vinyl Acetate
 Concen: 92.76 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

Tot Ion: 43 Resp: 1535744
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.6 13.0

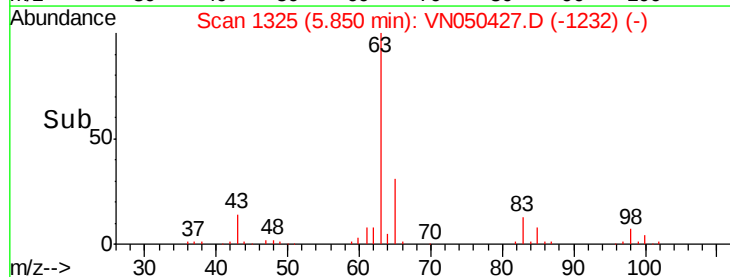
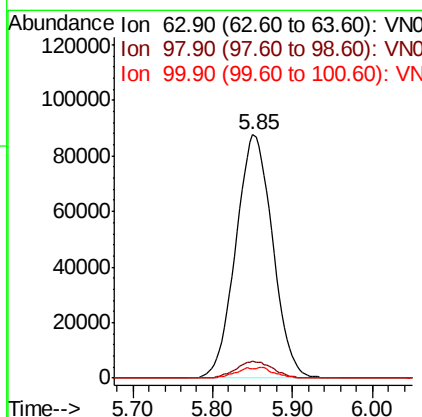
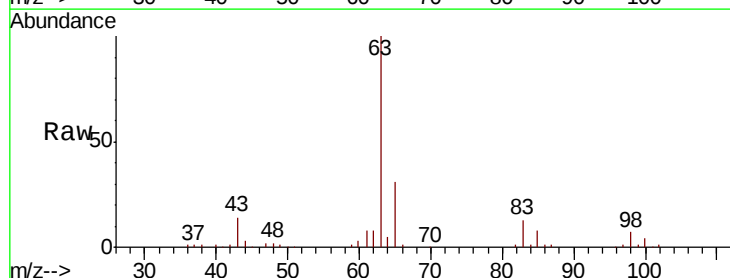
Manual Integrations
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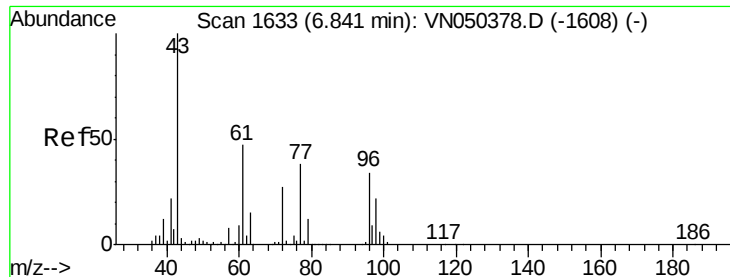
MMDadoda
 8/8/2018 10:47:14 AM



#24
 1,1-Dichloroethane
 Concen: 19.17 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion: 63 Resp: 272947
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 3.9 2.1 6.3





#25

2-Butanone

Concen: 85.77 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

Tot Ion: 43 Resp: 371533

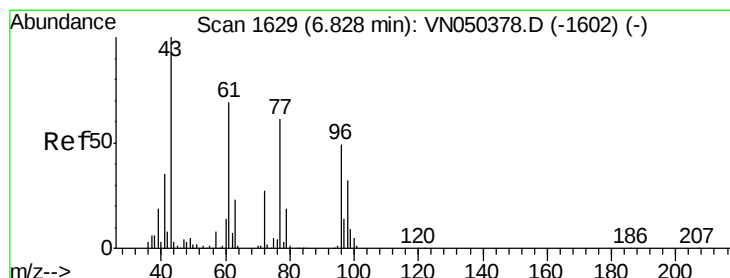
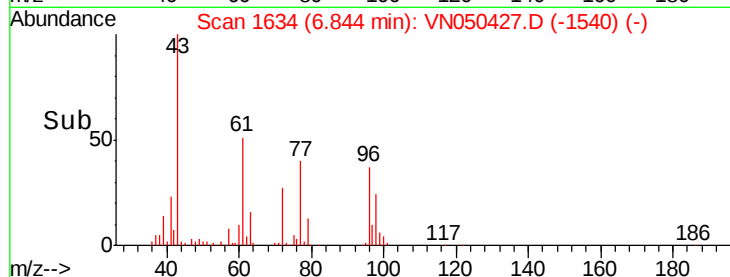
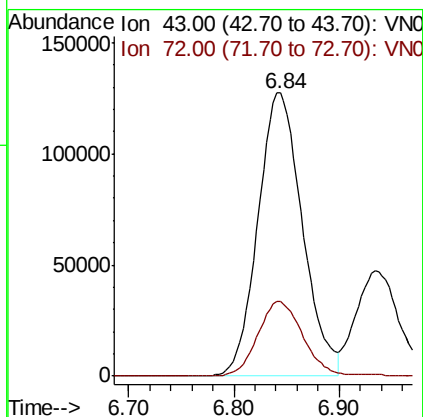
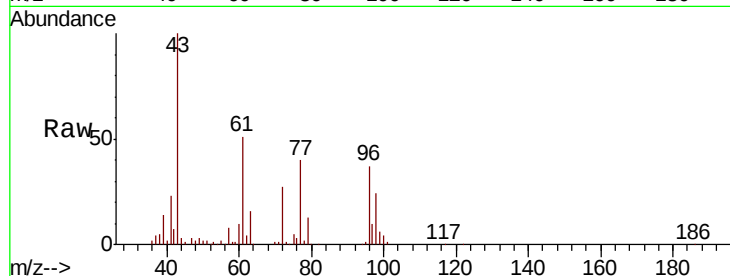
Ion Ratio Lower Upper

43 100

72 26.6 21.5 32.3

Manual Integrations
APPROVED

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8/8/2018 10:47:14 AM



#26

2,2-Dichloropropane

Concen: 18.64 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050427.D

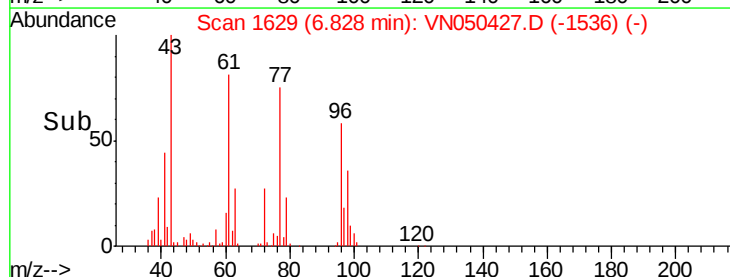
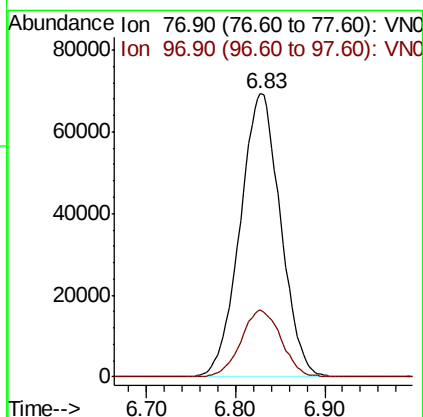
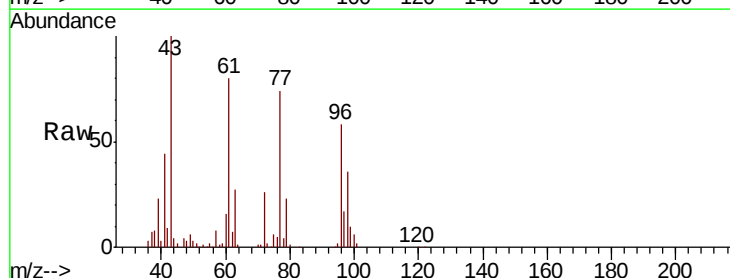
Acq: 7 Aug 2018 13:22

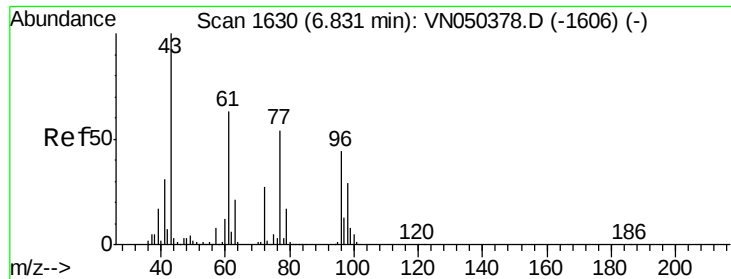
Tgt Ion: 77 Resp: 218815

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.06 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

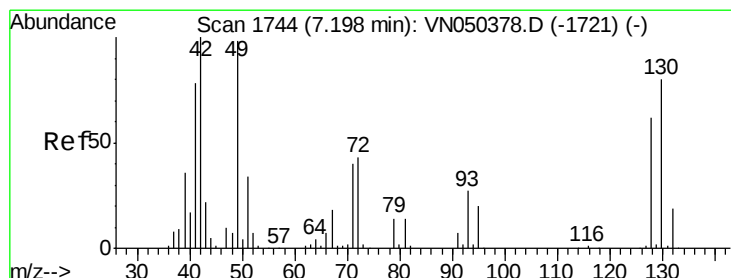
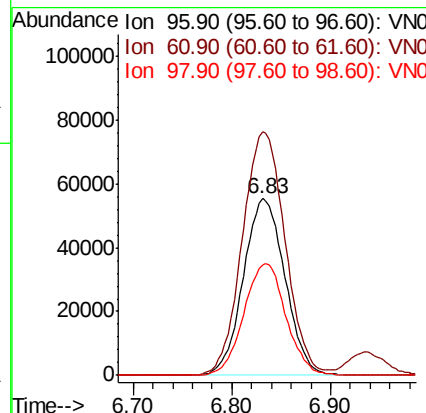
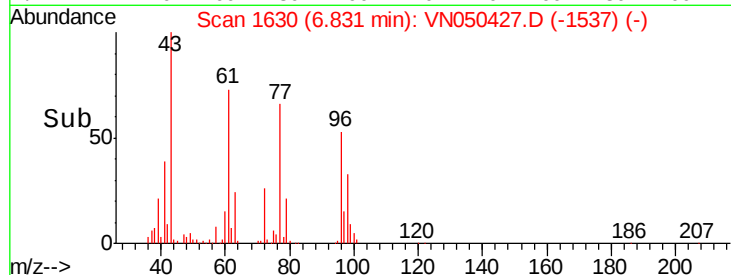
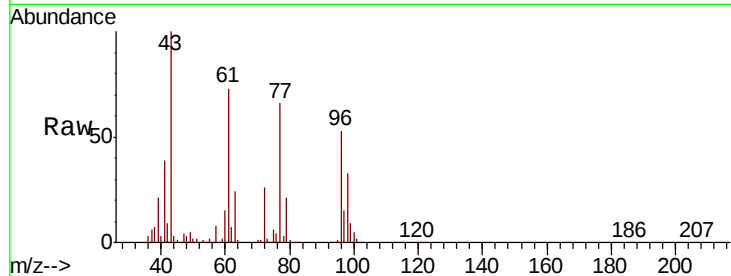
ClientSampled :

VN0807WBS01

Tot Ion:	96	Resp:	161673
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	285.0
98	63.9	0.0	129.2

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#28

Bromochloromethane

Concen: 19.78 ug/l

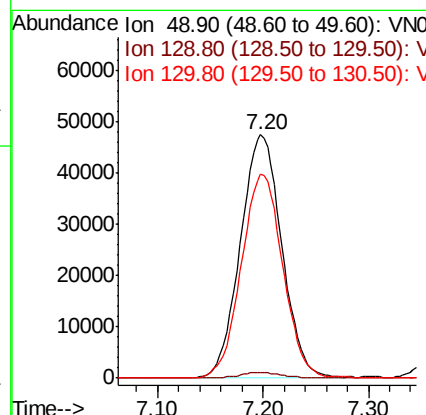
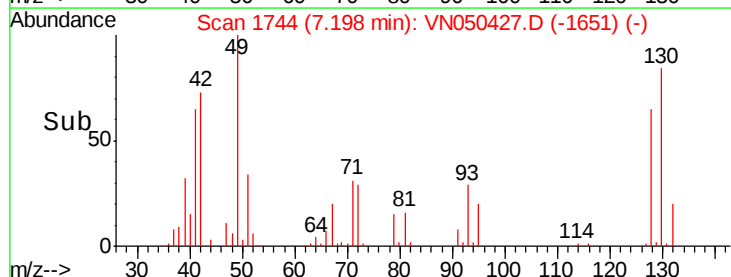
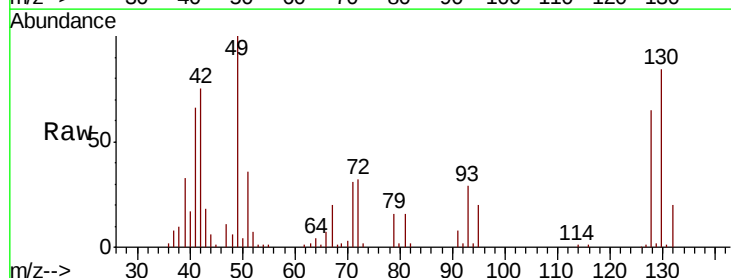
RT: 7.20 min Scan# 1744

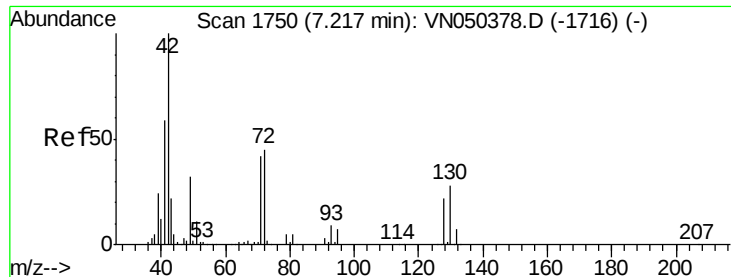
Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion:	49	Resp:	129652
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	83.8	66.3	99.5





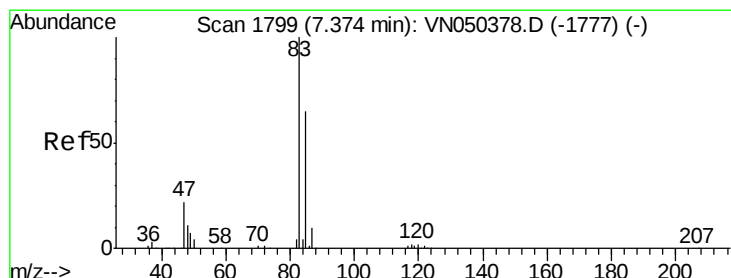
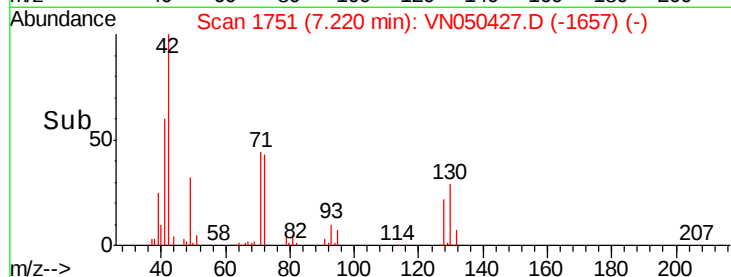
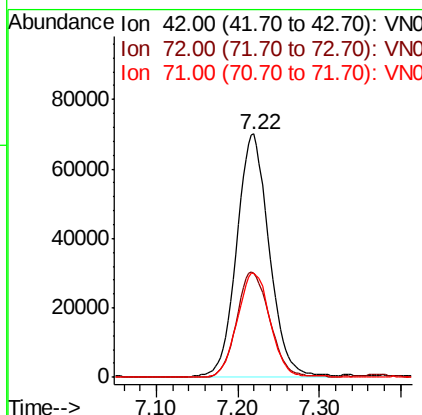
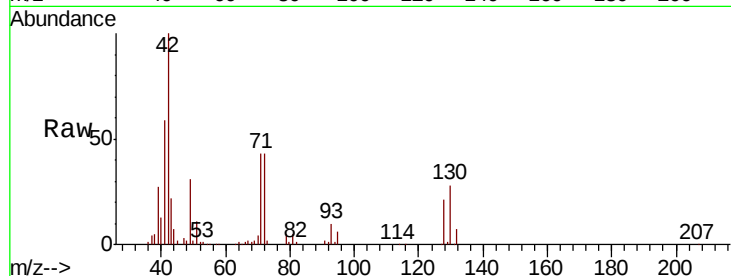
#29
Tetrahydrofuran
Concen: 83.01 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.9	53.9
71	43.3	33.7	50.5

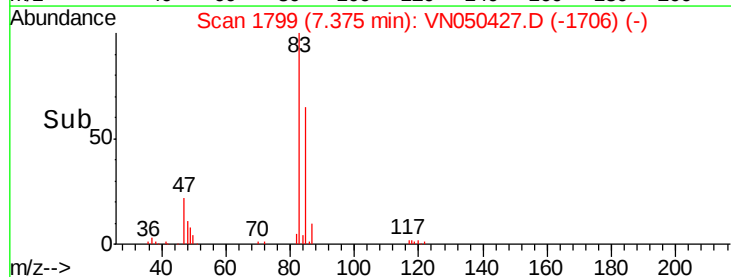
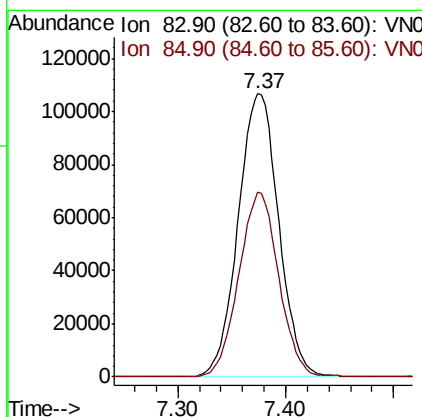
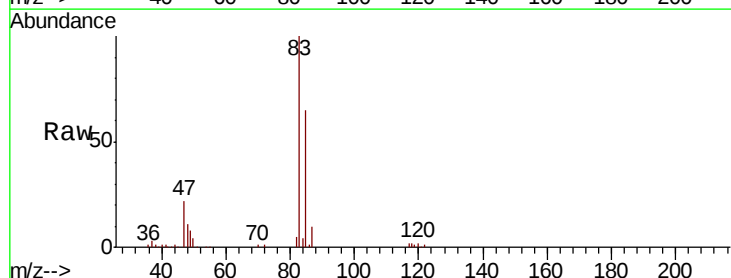
Manual Integrations
APPROVED

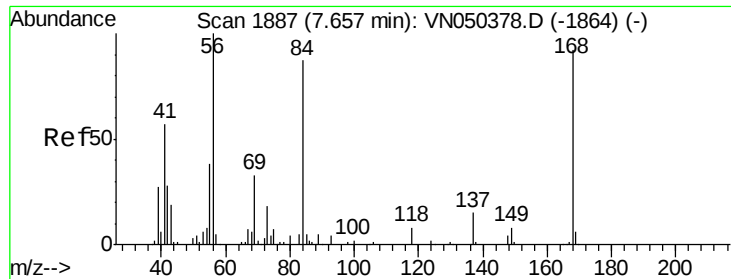
MMDadoda
8/8/2018 10:47:14 AM



#30
Chloroform
Concen: 19.61 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7





#31

Cyclohexane

Concen: 18.82 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

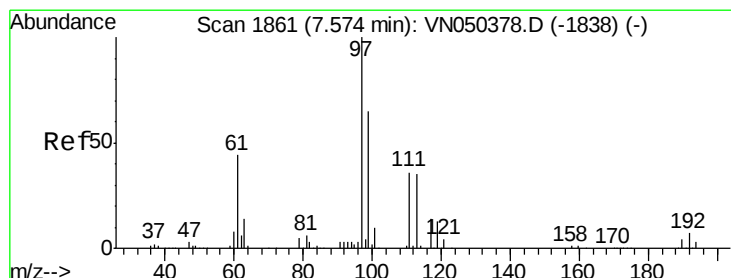
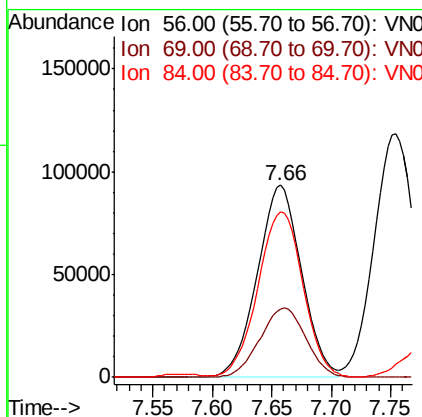
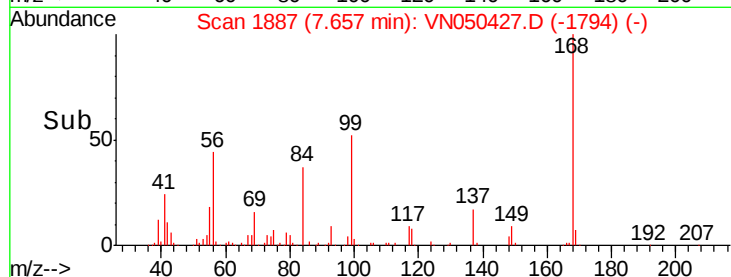
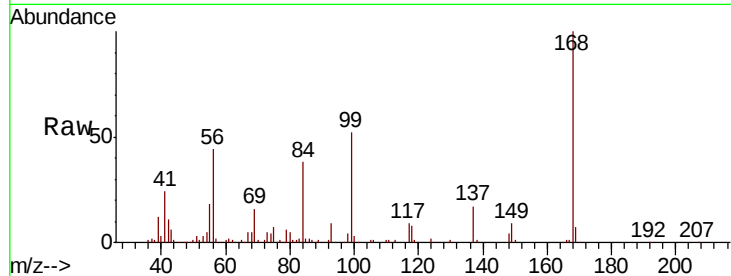
VN0807WBS01

Tot Ion: 56 Resp: 240785

Ion	Ratio	Lower	Upper
56	100		
69	35.6	26.2	39.4
84	84.4	67.4	101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.32 ug/l

RT: 7.57 min Scan# 1861

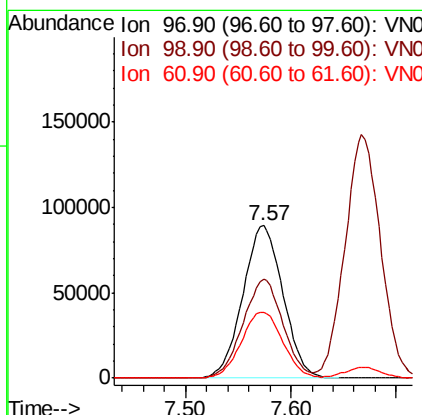
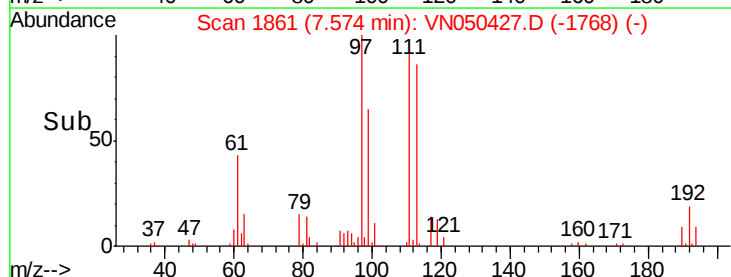
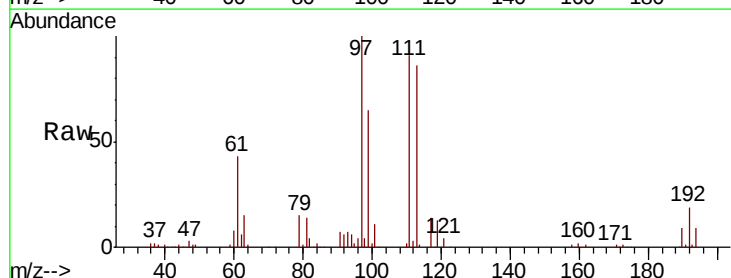
Delta R.T. 0.00 min

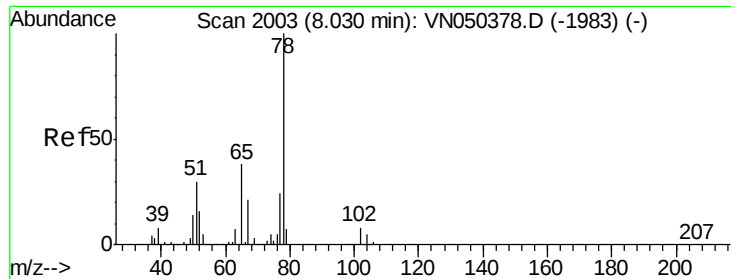
Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion: 97 Resp: 236151

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	44.8	35.4	53.0





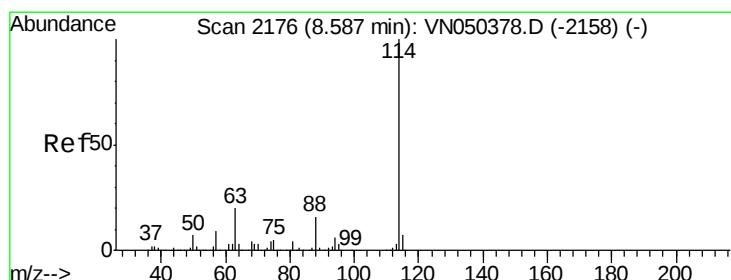
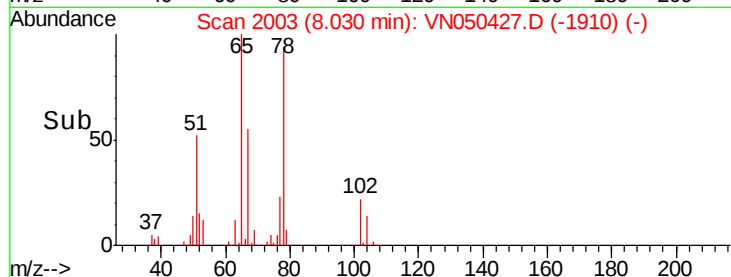
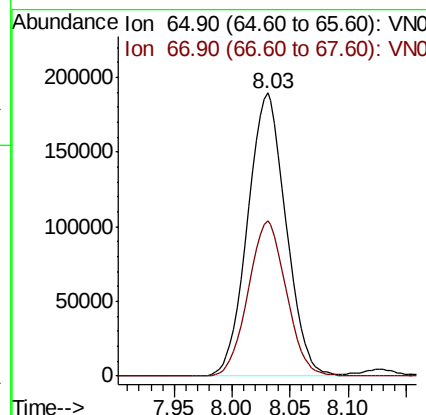
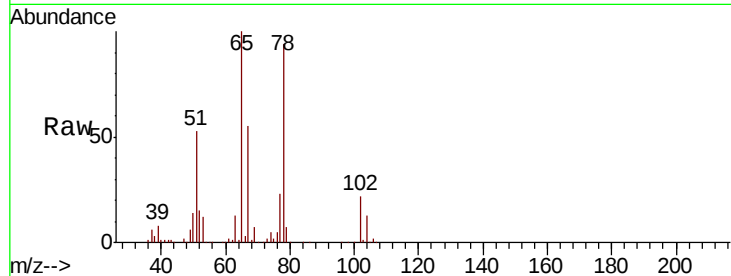
#33
 1,2-Dichloroethane-d4
 Concen: 50.00 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	108.4	

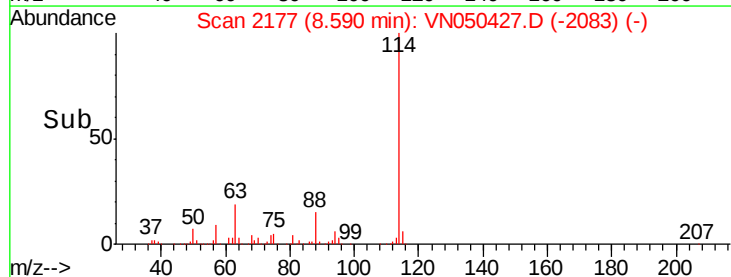
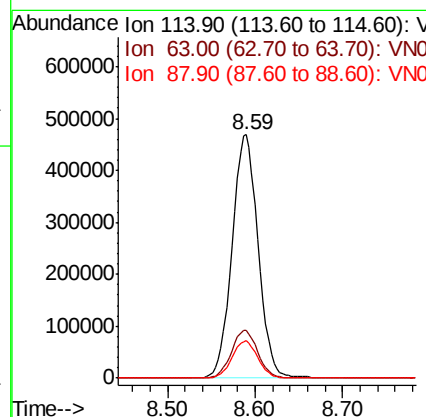
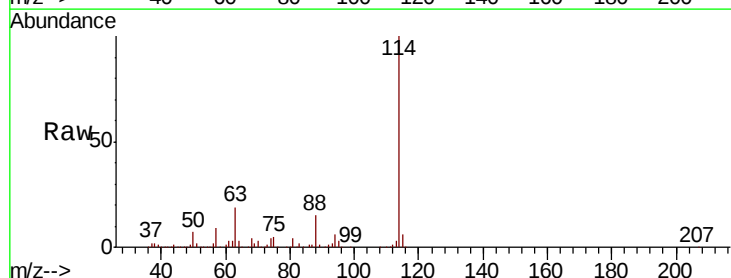
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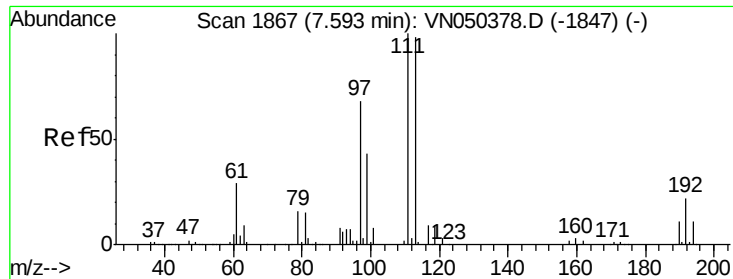
MMDadoda
 8/8/2018 10:47:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	40.0	
88	15.3	0.0	31.2	





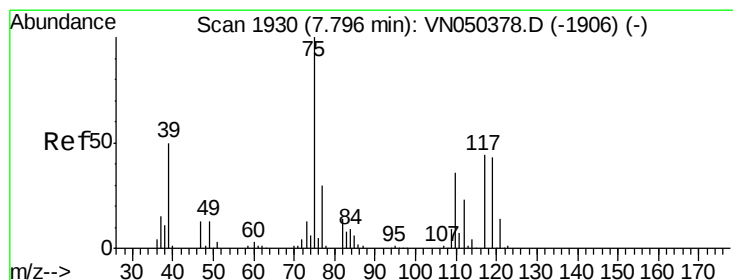
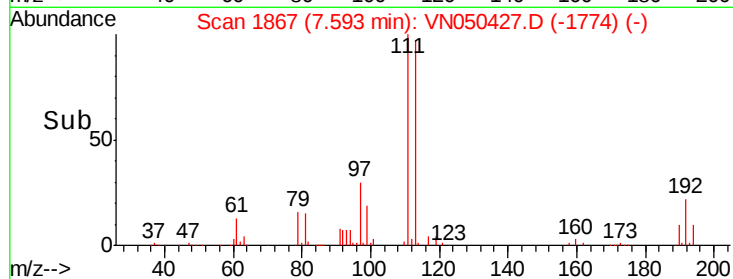
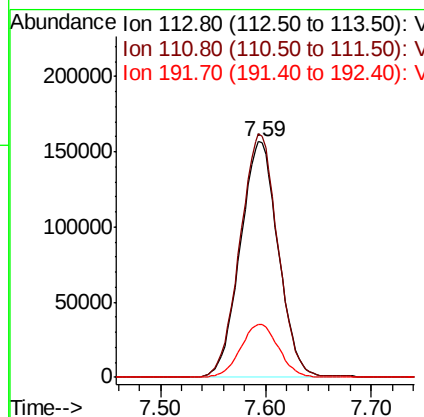
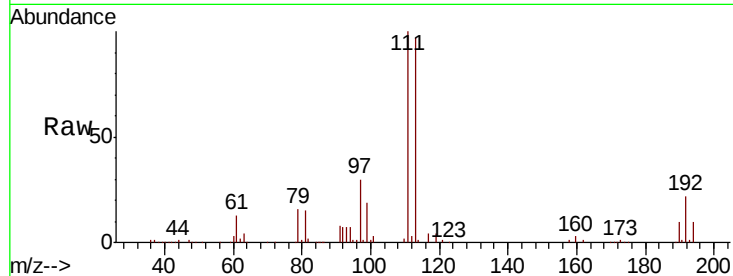
#35
Dibromofluoromethane
Concen: 50.56 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	392397		
111	102.9	80.7	121.1	
192	22.5	17.8	26.6	

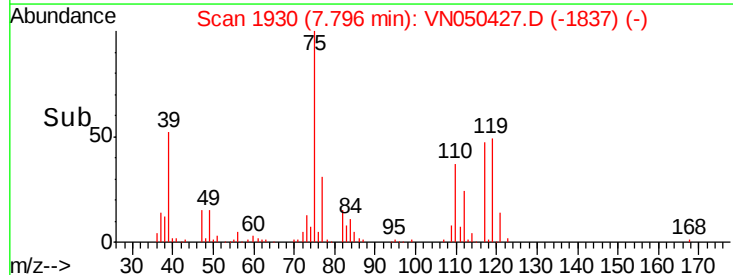
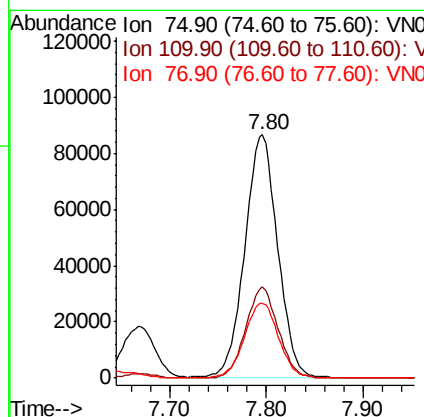
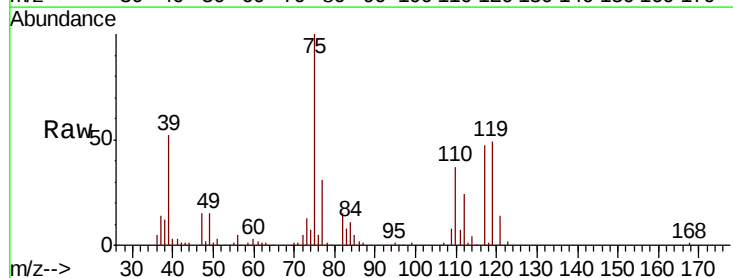
Manual Integrations
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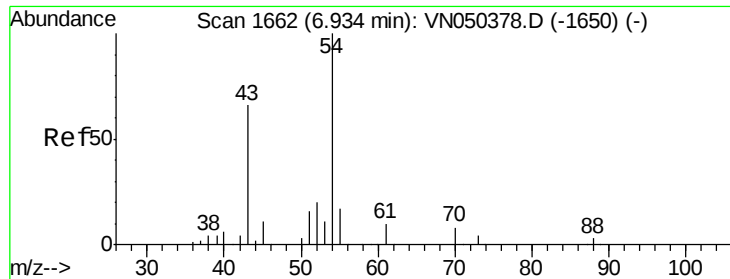
MMDadoda
8/8/2018 10:47:14 AM



#36
1,1-Dichloropropene
Concen: 19.19 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	203929		
110	36.8	18.4	55.2	
77	32.3	25.3	37.9	





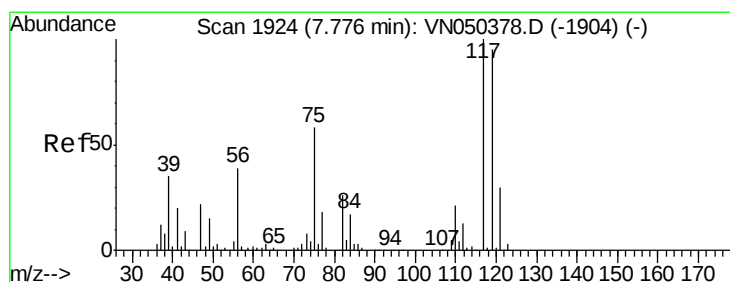
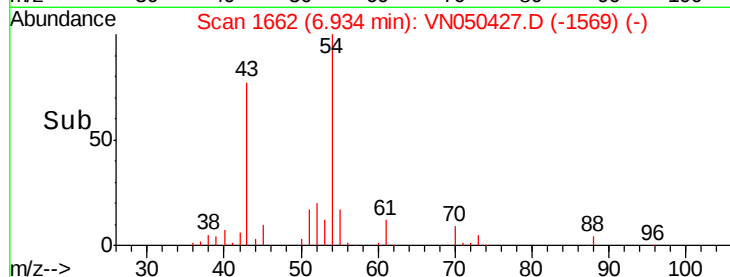
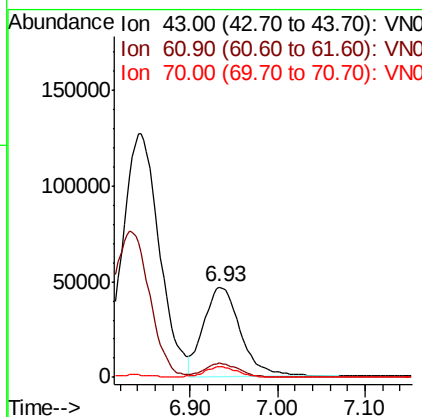
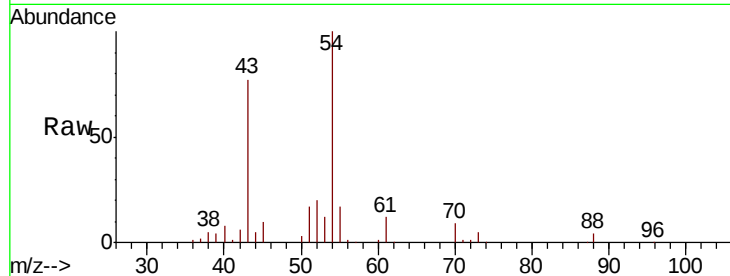
#37
Ethyl Acetate
Concen: 17.90 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.8	17.8
70	10.8	8.4	12.6

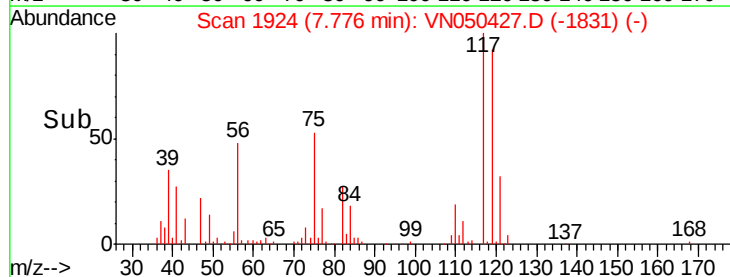
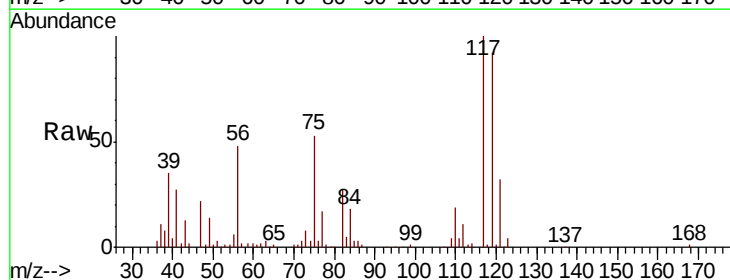
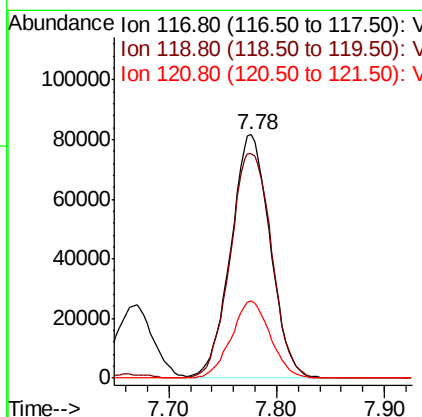
Manual Integrations
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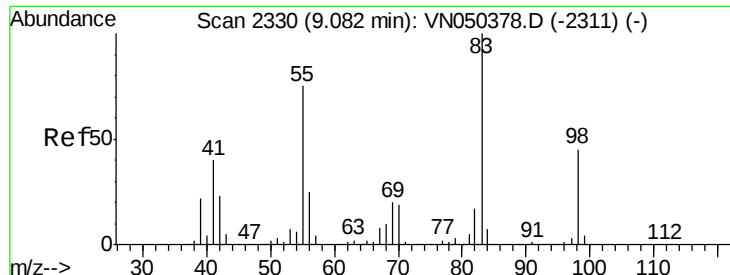
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.72 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	77.4	116.0
121	31.5	23.9	35.9





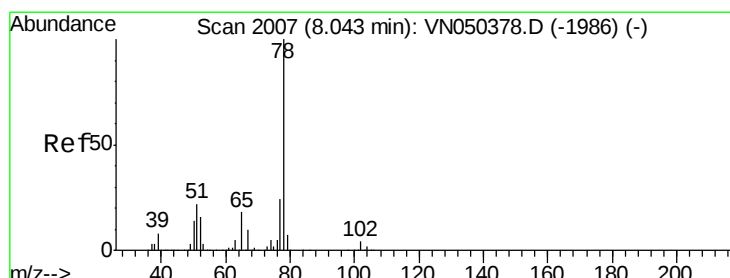
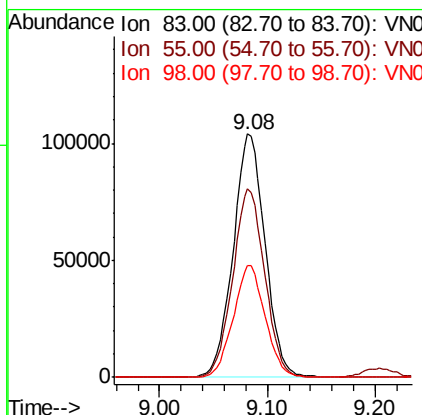
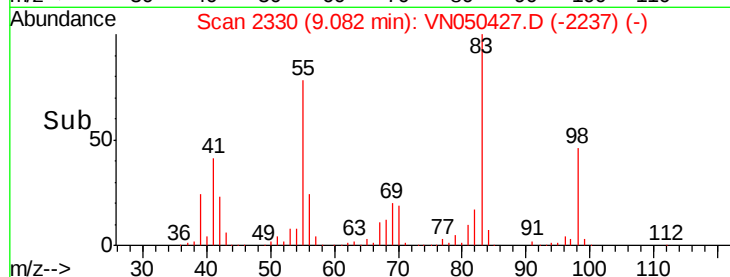
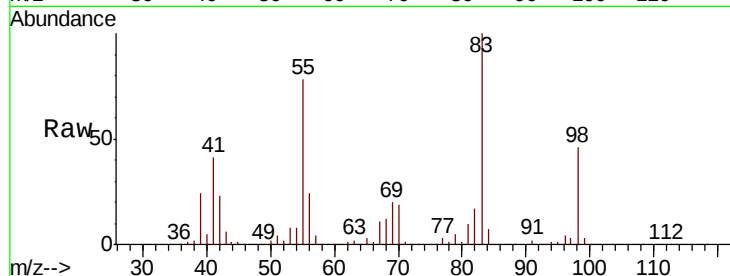
#39
Methvlcvclohexane
Concen: 18.50 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.8	92.8
98	46.1	36.5	54.7

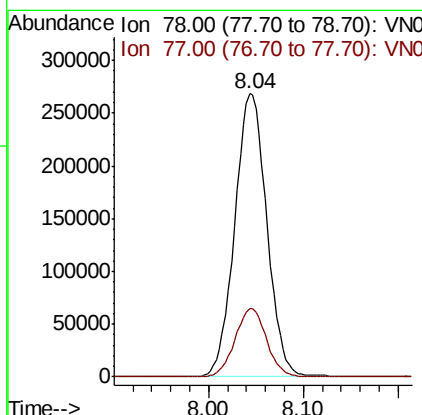
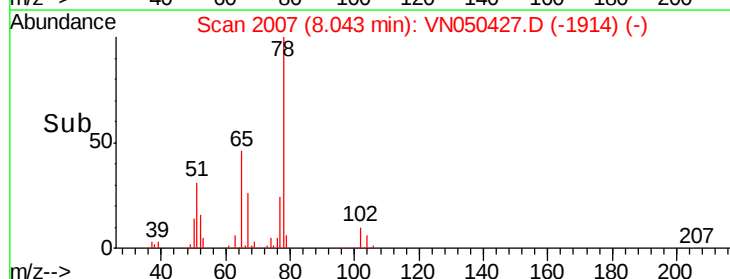
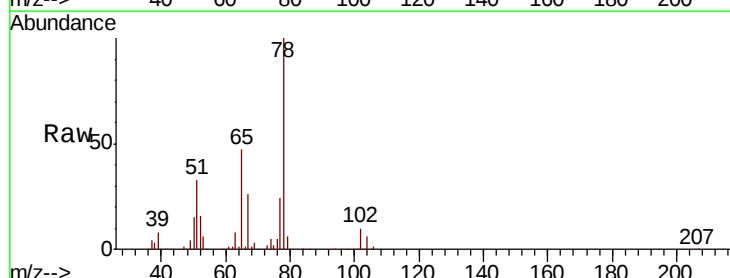
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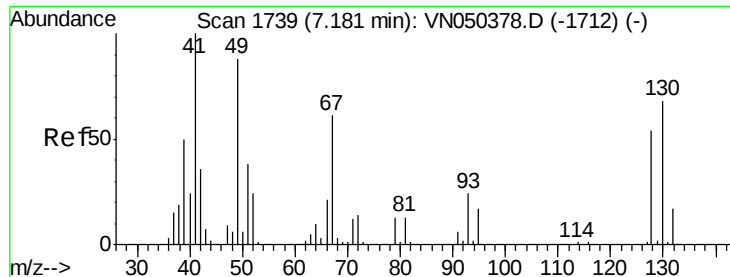
MMDadoda
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#40
Benzene
Concen: 19.36 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





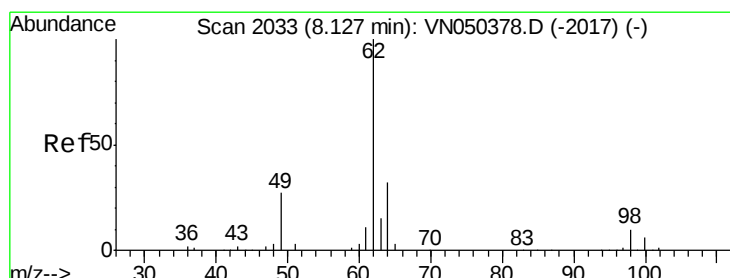
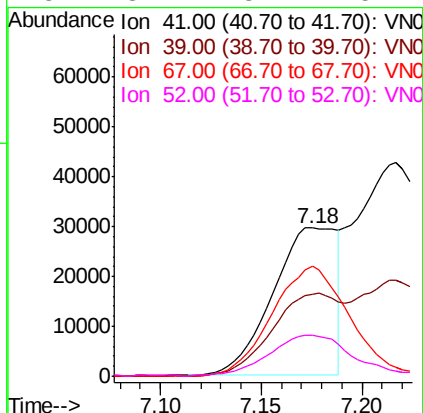
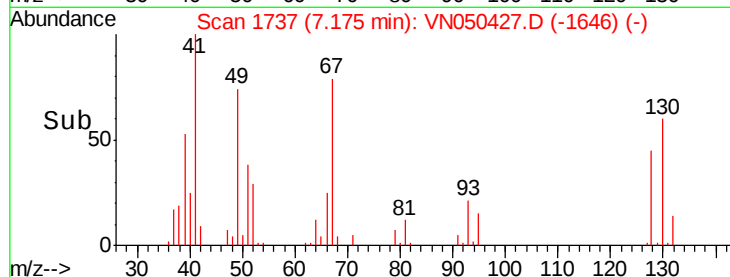
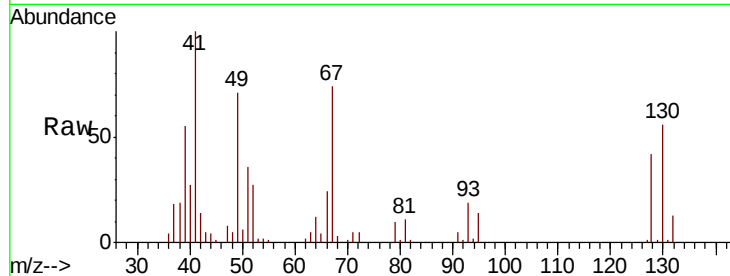
#41
Methacrylonitrile
Concen: 16.06 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

Tot Ion:	41	Resp:	65354
Ion	Ratio	Lower	Upper
41	100		
39	60.3	55.8	83.6
67	90.9	84.3	126.5
52	37.2	34.2	51.2

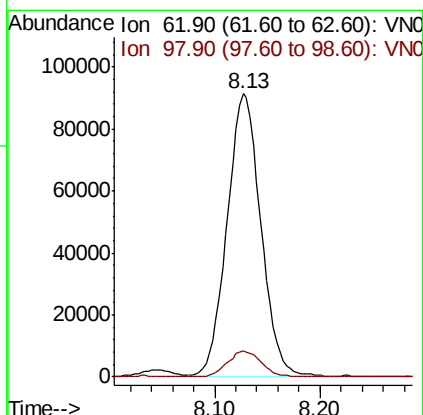
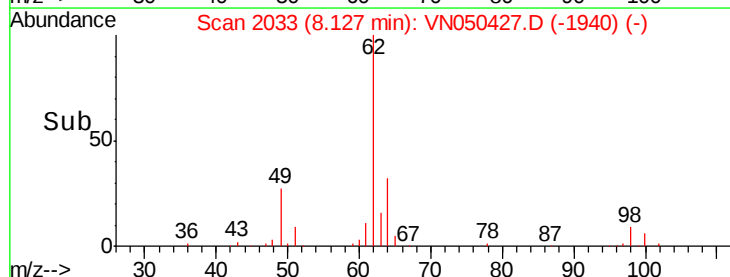
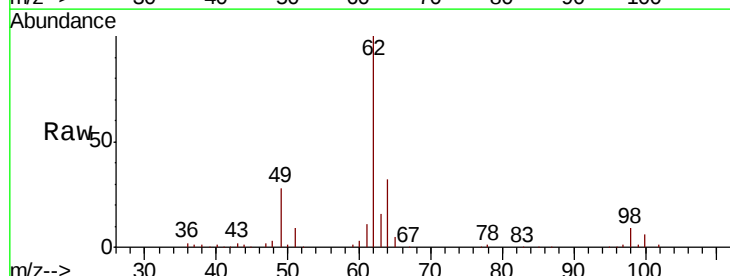
Manual Integrations
APPROVED

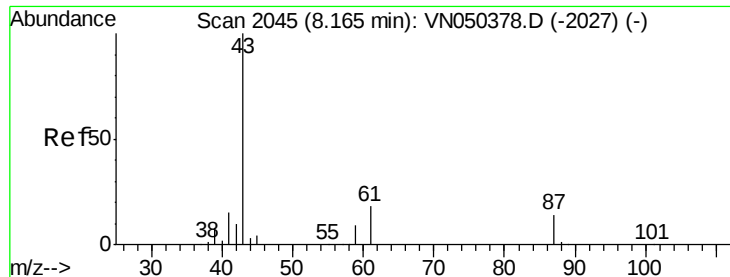
MMDadoda
8/8/2018 10:47:14 AM



#42
1,2-Dichloroethane
Concen: 19.43 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion:	62	Resp:	201551
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.8





#43

Isopropyl Acetate

Concen: 18.22 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

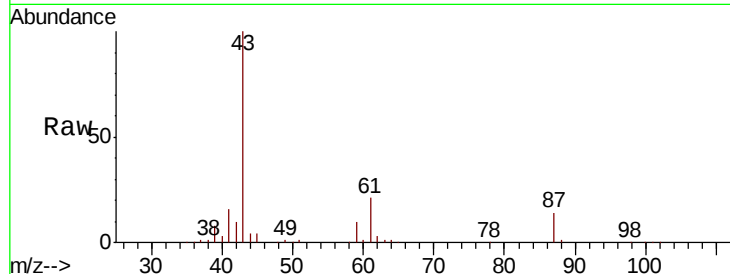
ClientSampled :

VN0807WBS01

Tot Ion:	43	Resp:	240776
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.6
87	13.4	10.3	15.5

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8/8/2018 10:47:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)

8.17

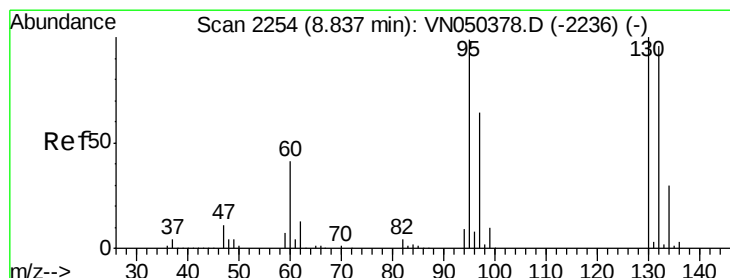
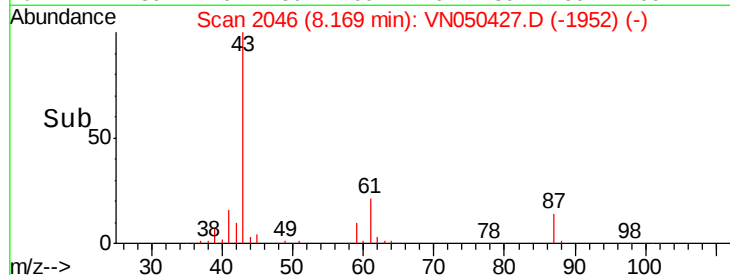
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 18.74 ug/l

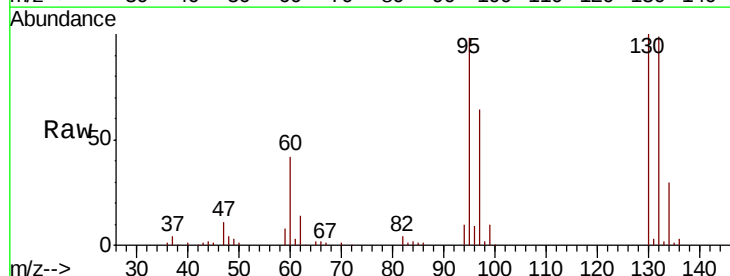
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion:	130	Resp:	164524
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)

8.84

80000

60000

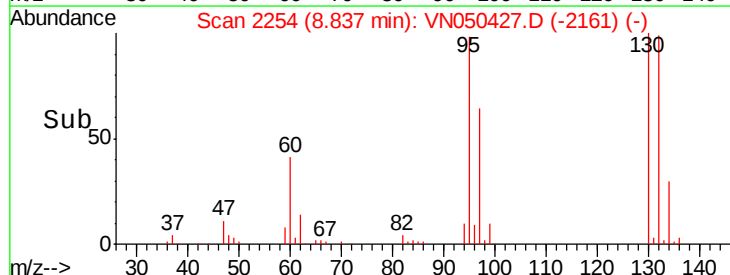
40000

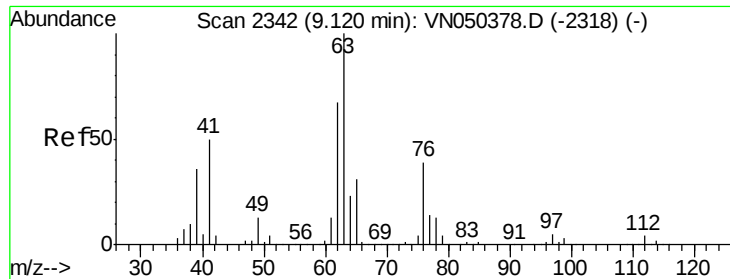
20000

0

8.75 8.80 8.85 8.90 8.95

Time-->





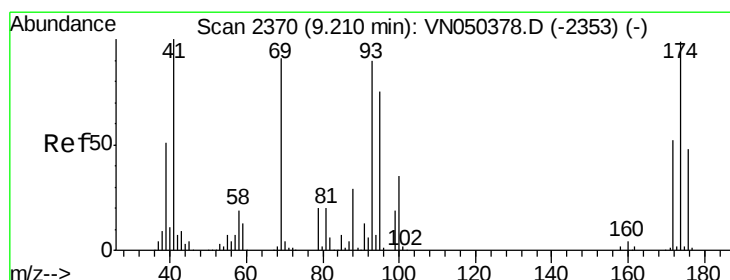
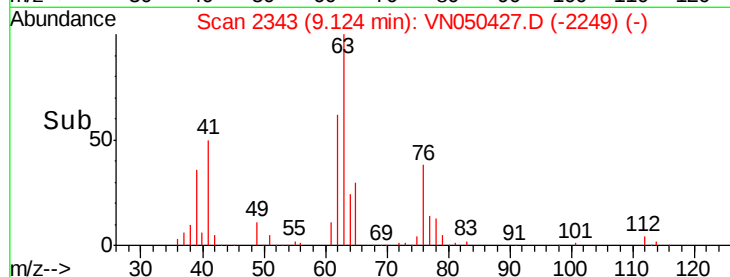
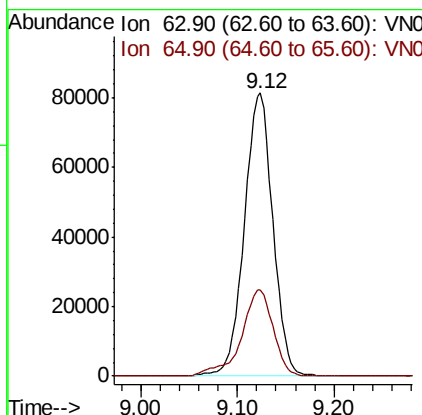
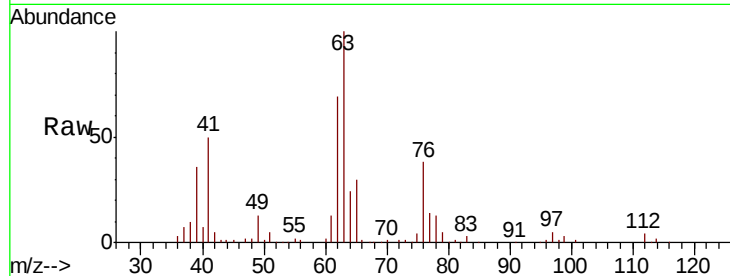
#45
 1,2-Dichloropropane
 Concen: 19.40 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

Tot Ion: 63 Resp: 166632
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.5 38.3

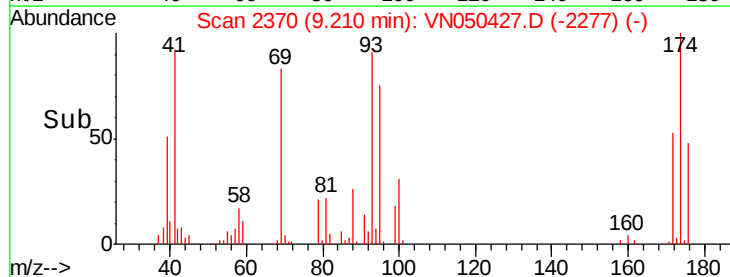
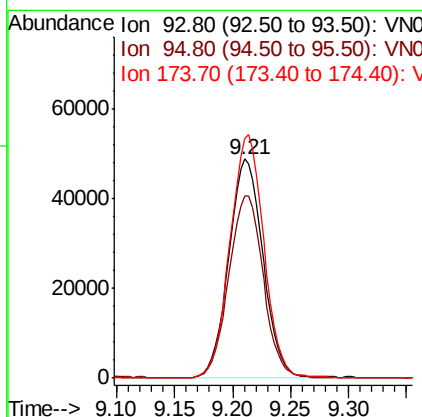
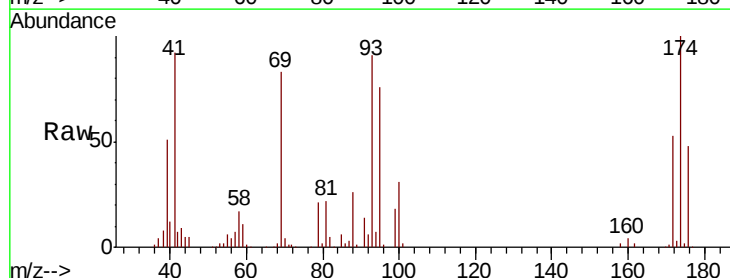
Manual Integrations
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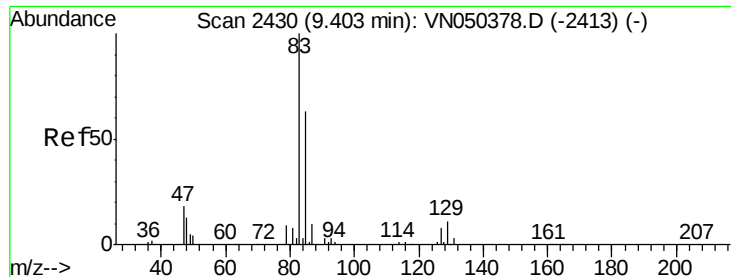
MMDadoda
 8/8/2018 10:47:14 AM



#46
 Dibromomethane
 Concen: 18.90 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion: 93 Resp: 100277
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.6 100.0
 174 109.3 87.1 130.7





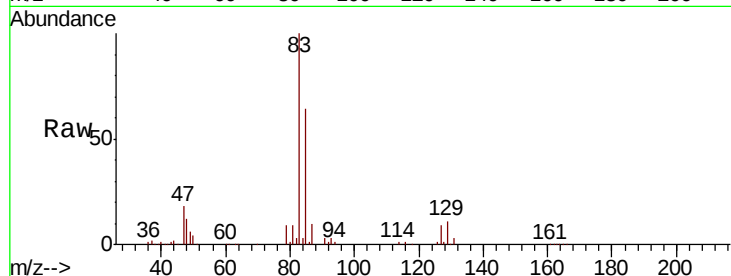
#47
Bromodichloromethane
Concen: 19.14 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

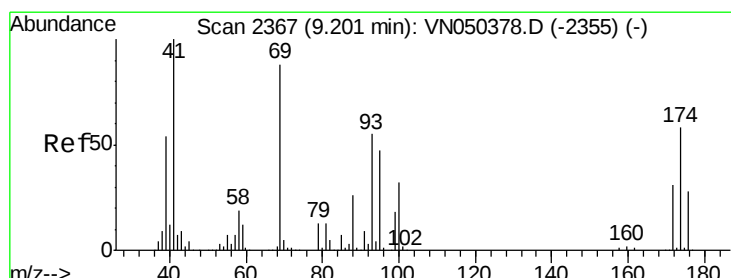
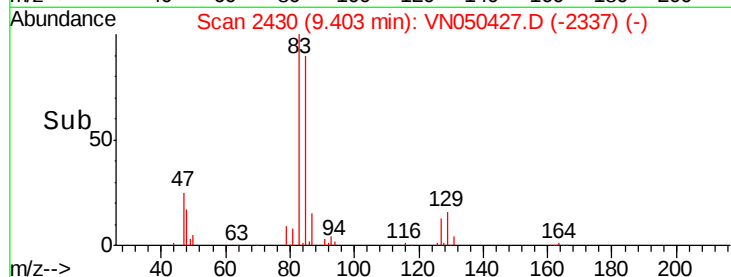
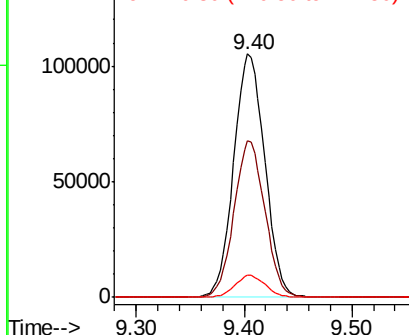
Tot Ion	Ratio	Resp	Lower	Upper
83	100	210326		
85	64.1		51.1	76.7
127	9.0		7.0	10.4

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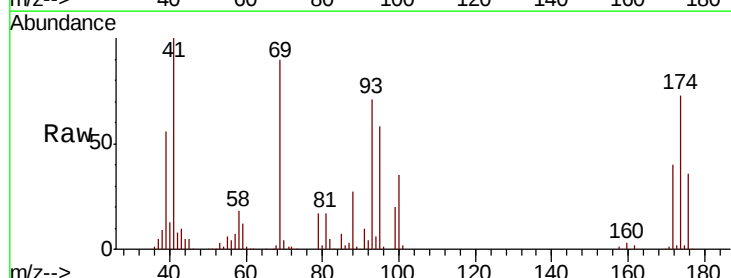


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

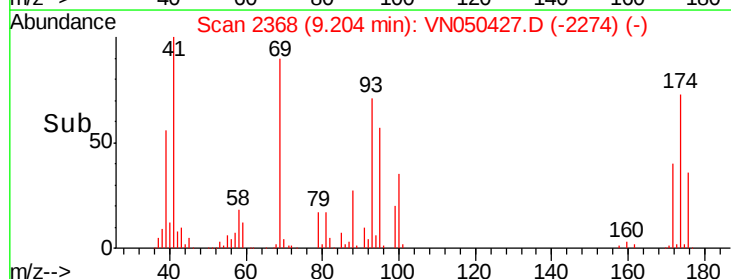
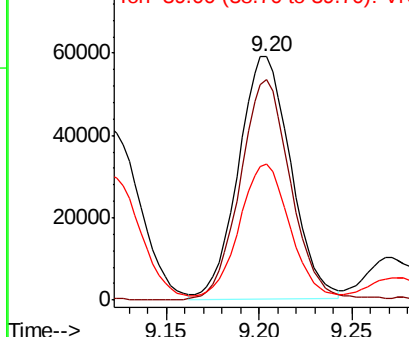


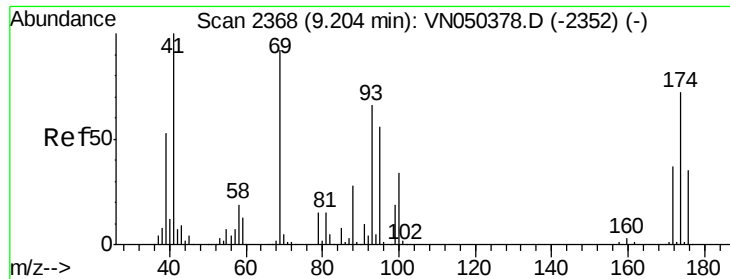
#48
Methyl methacrylate
Concen: 17.40 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	115248		
69	88.2		70.6	105.8
39	54.1		43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





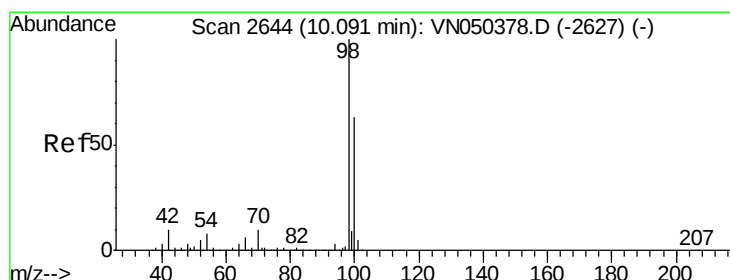
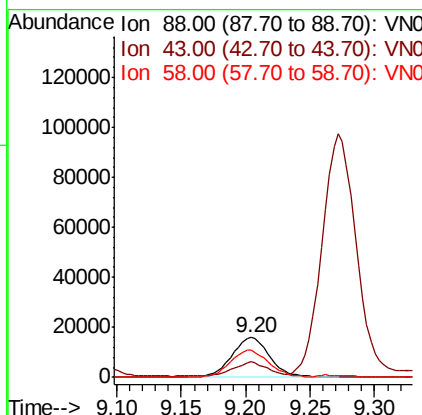
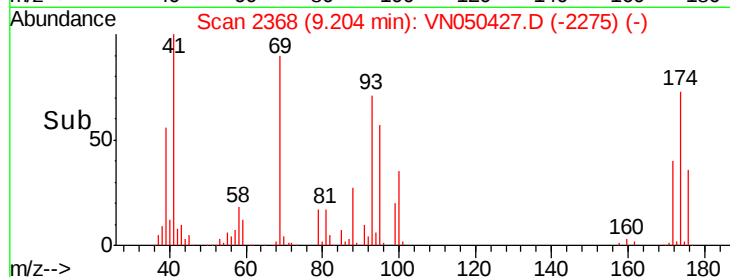
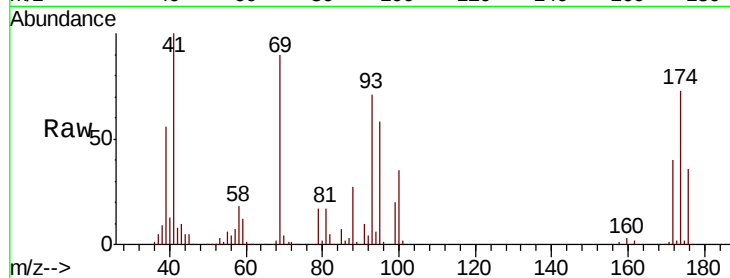
#49
1,4-Dioxane
Concen: 320.98 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	26.9	40.3
58	69.4	57.3	85.9

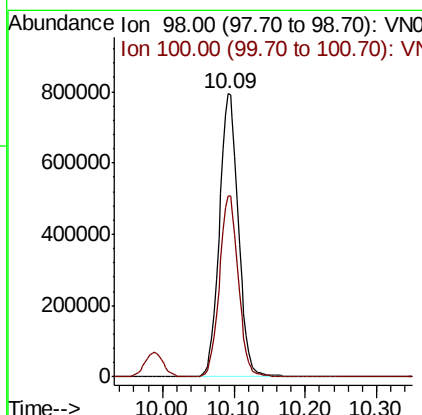
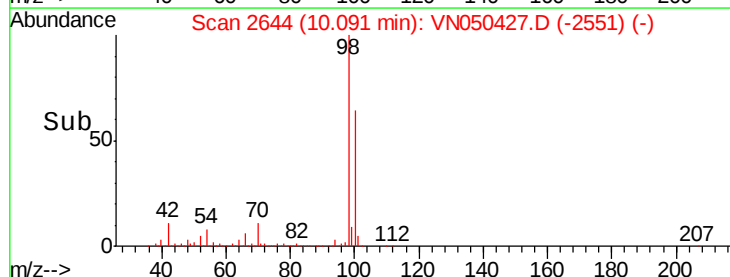
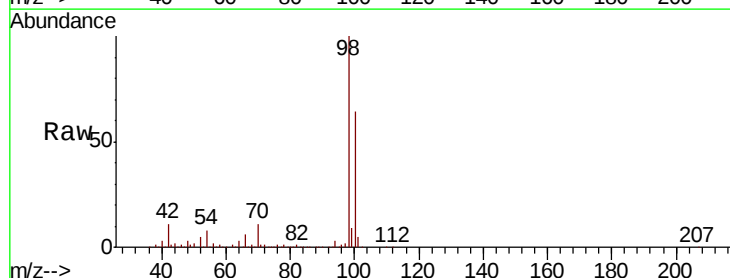
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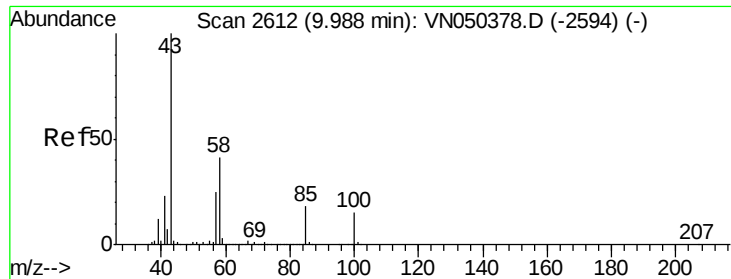
MMDadoda
8/8/2018 10:47:14 AM



#50
Toluene-d8
Concen: 50.05 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.7	76.1





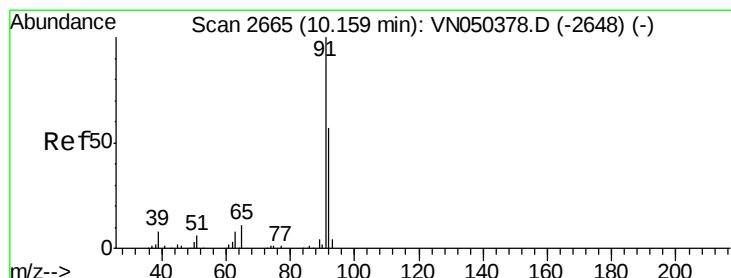
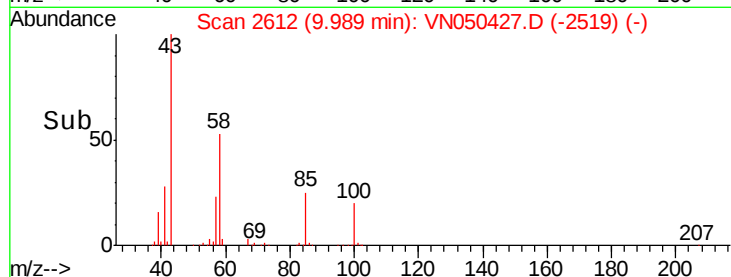
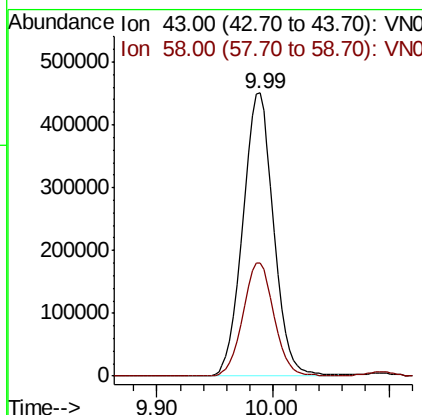
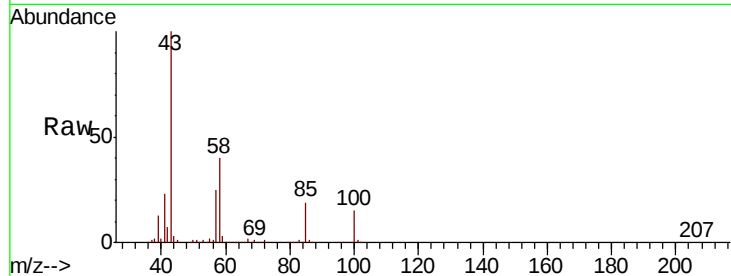
#51
 4-Methyl-2-Pentanone
 Concen: 87.38 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807WBS01

Tot Ion	43	Resp	831445
Ion Ratio	100	Lower	Upper
43	100		
58	40.5	31.9	47.9

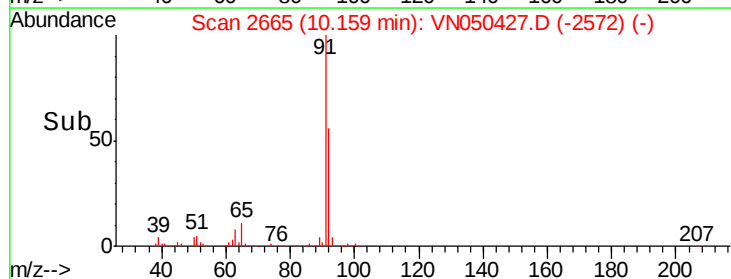
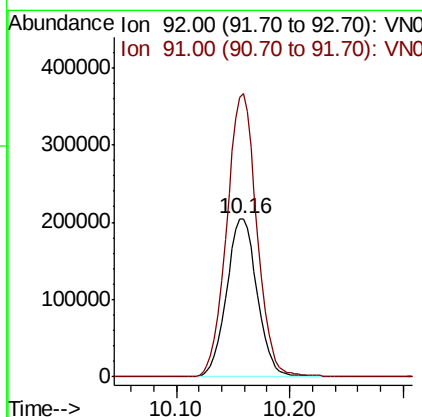
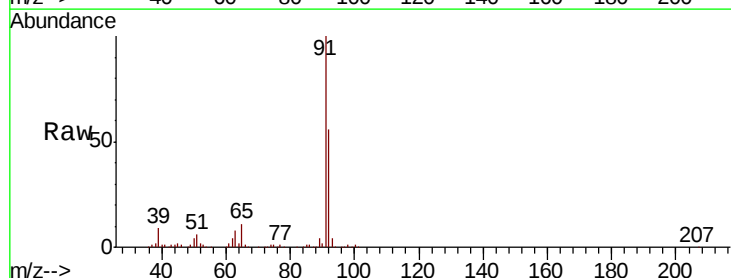
Manual Integrations
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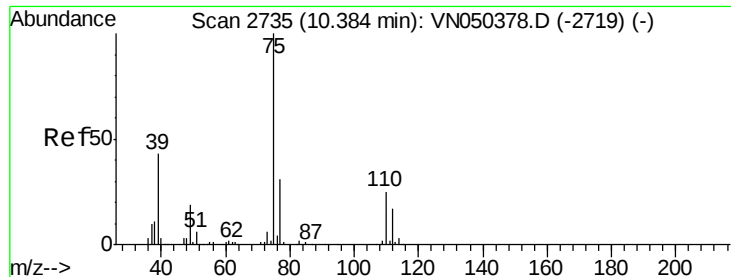
MMDadoda
 8/8/2018 10:47:14 AM



#52
 Toluene
 Concen: 19.58 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion	92	Resp	384221
Ion Ratio	100	Lower	Upper
92	100		
91	176.9	140.3	210.5





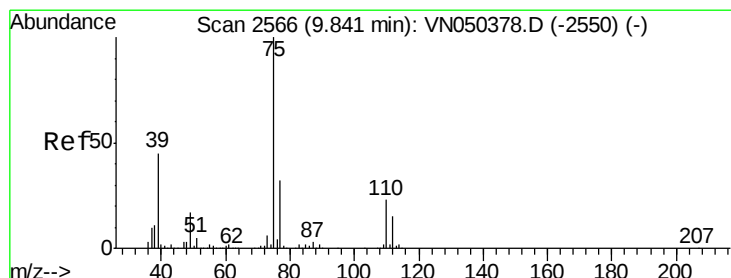
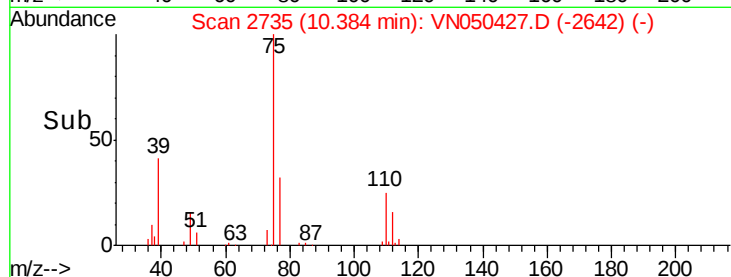
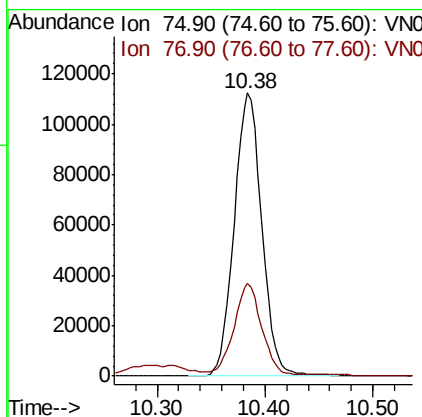
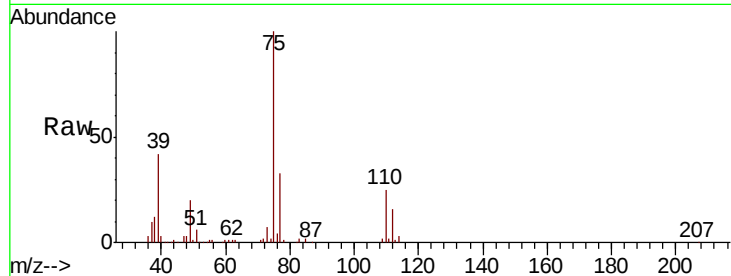
#53
t-1,3-Dichloropropene
Concen: 18.24 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.9	37.3

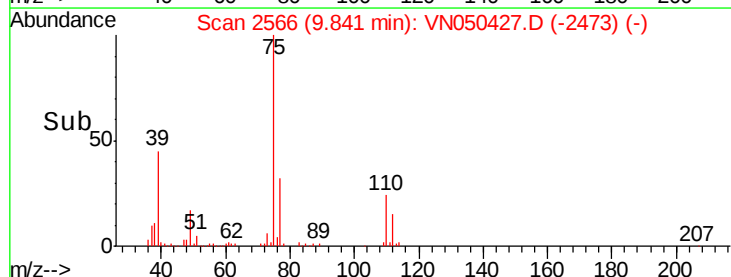
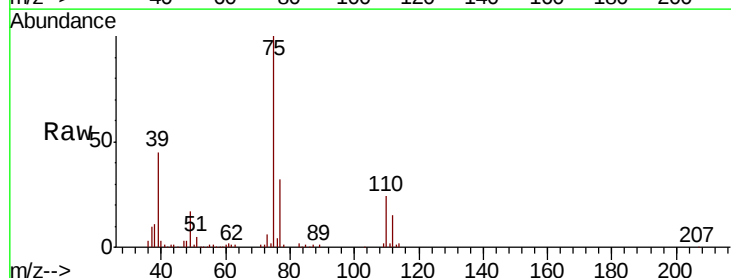
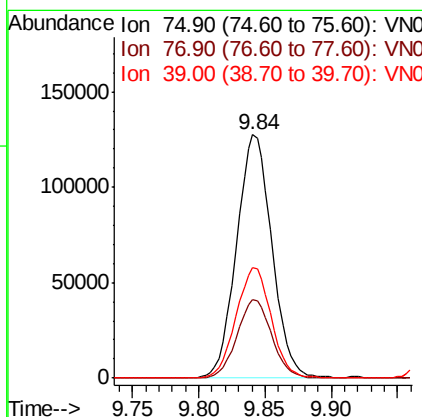
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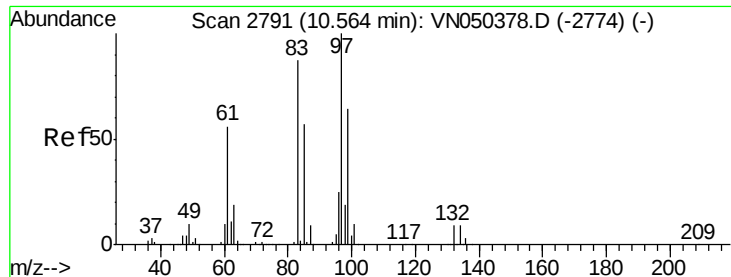
MMDadoda
8/8/2018 10:47:14 AM



#54
cis-1,3-Dichloropropene
Concen: 19.18 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	45.4	36.6	55.0





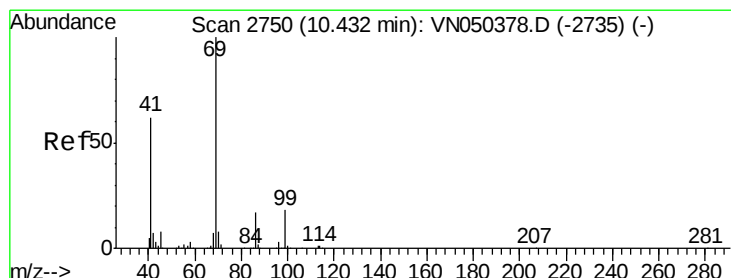
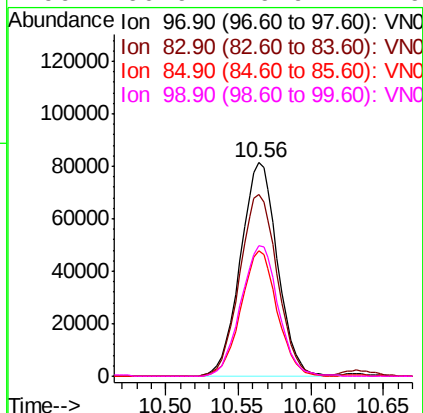
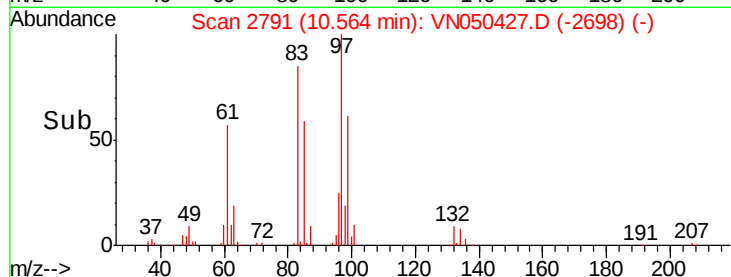
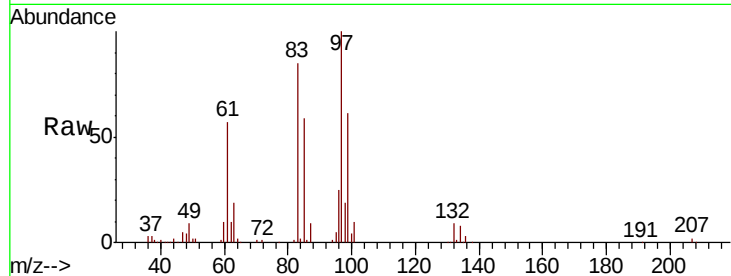
#55
 1,1,2-Trichloroethane
 Concen: 18.88 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.2	103.8
85	58.7	44.0	66.0
99	60.9	49.9	74.9

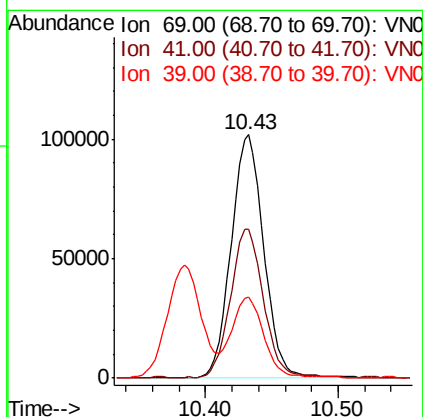
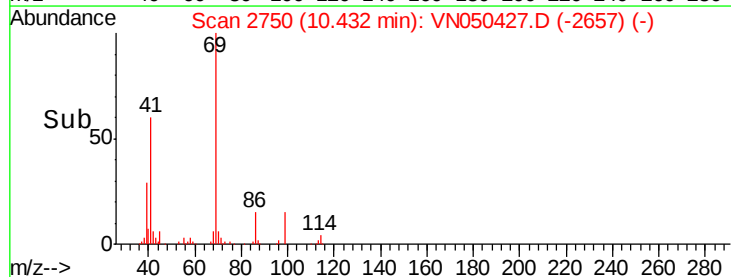
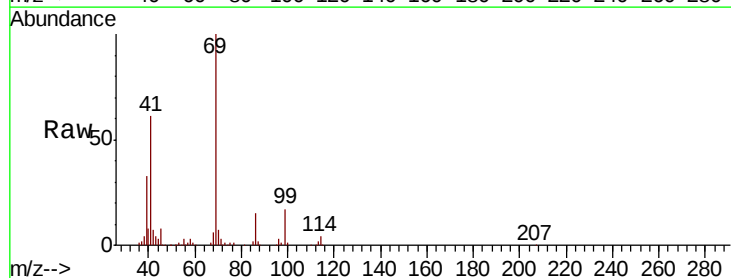
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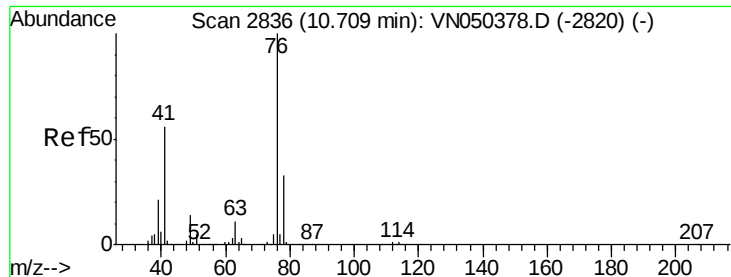
MMDadoda
 8/8/2018 10:47:14 AM



#56
 Ethyl methacrylate
 Concen: 17.20 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.0	51.0	76.4
39	32.3	26.6	40.0





#57

1,3-Dichloropropane

Concen: 18.88 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

Tot Ion: 76 Resp: 237478

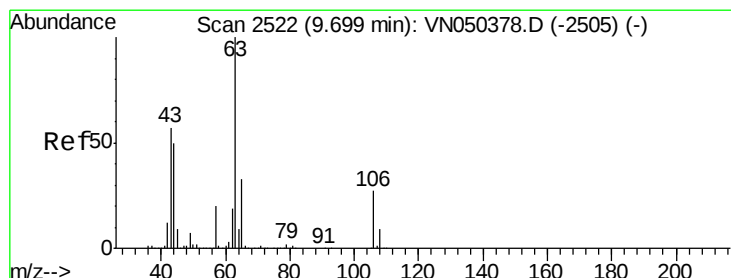
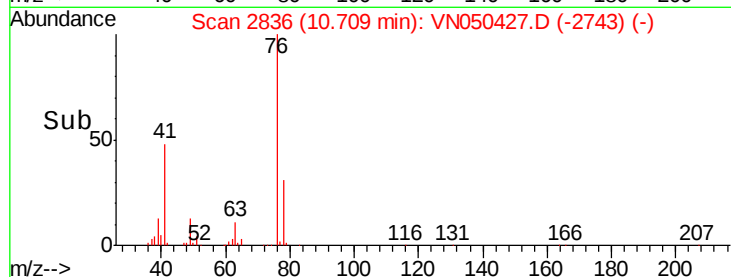
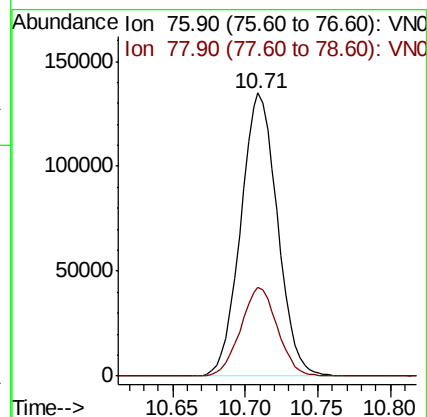
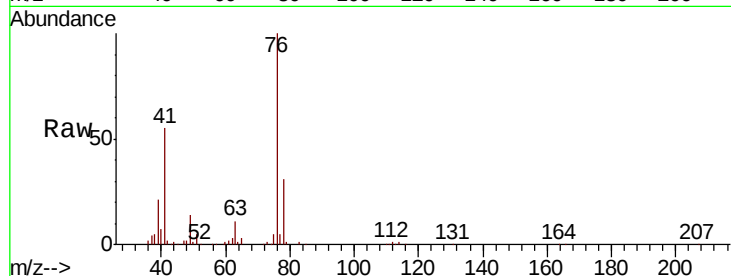
Ion Ratio Lower Upper

76 100

78 31.6 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
8/8/2018 10:47:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 90.30 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050427.D

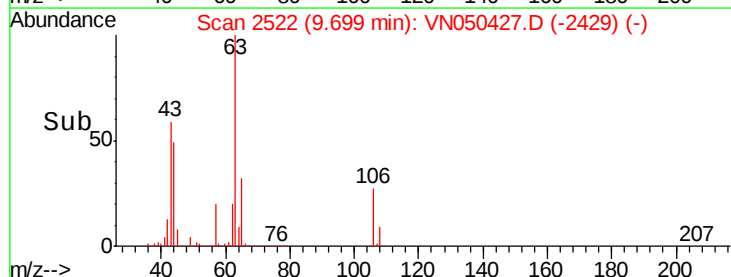
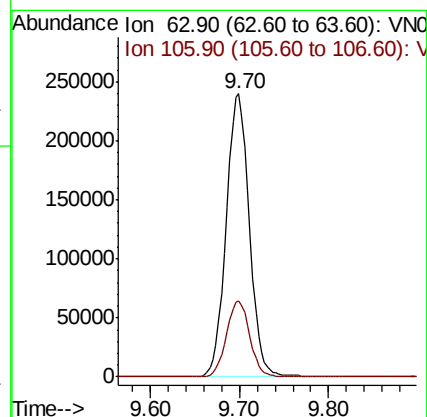
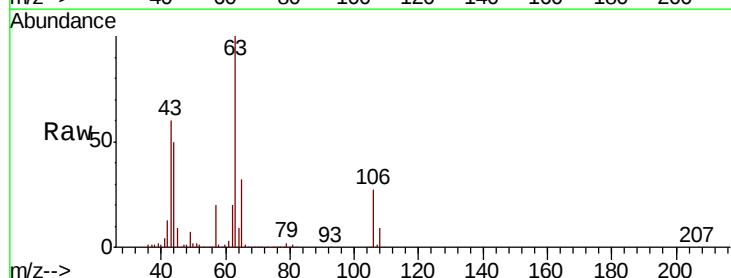
Acq: 7 Aug 2018 13:22

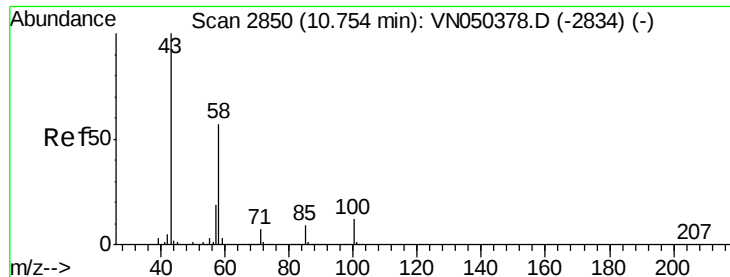
Tgt Ion: 63 Resp: 431841

Ion Ratio Lower Upper

63 100

106 26.8 21.7 32.5





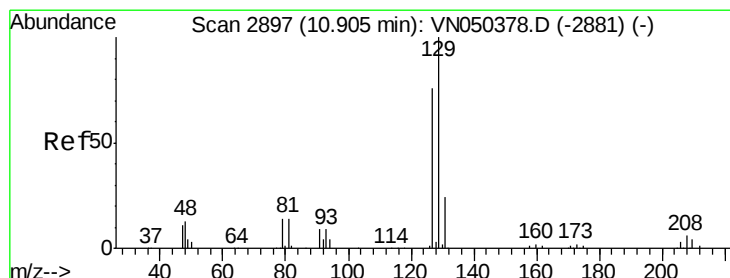
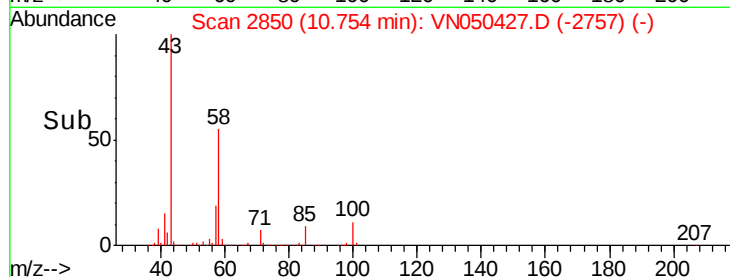
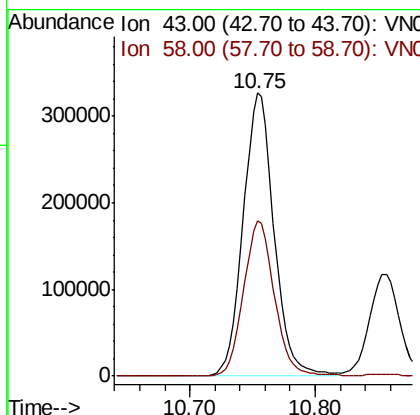
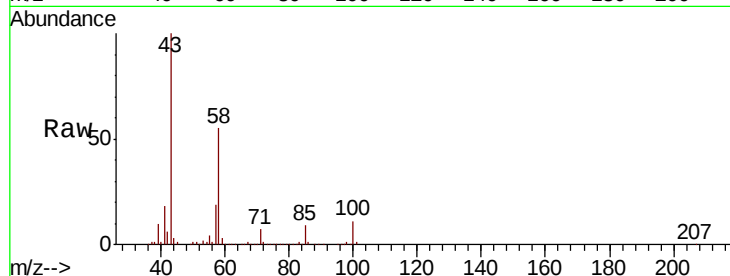
#59
2-Hexanone
Concen: 83.95 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.6	82.7

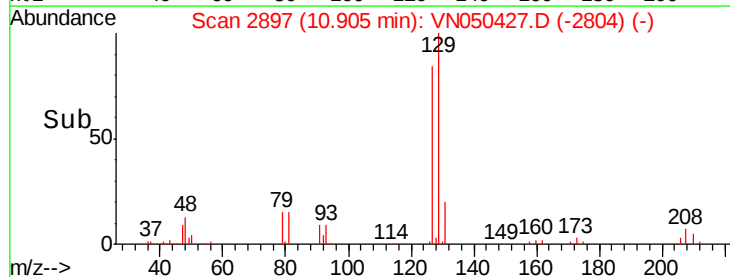
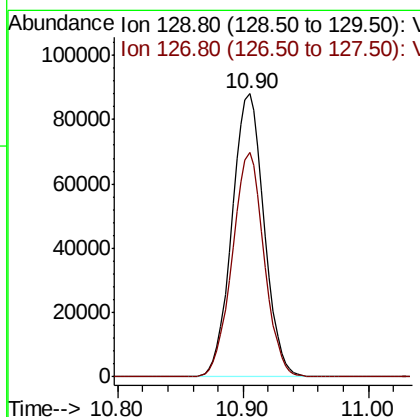
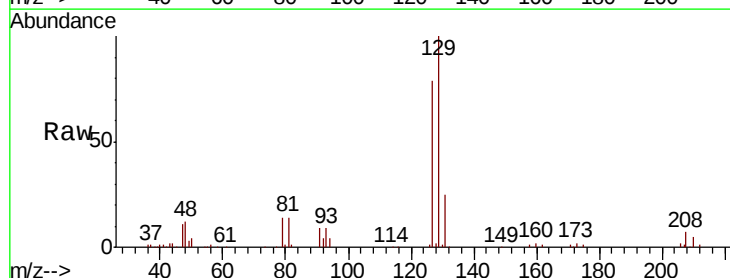
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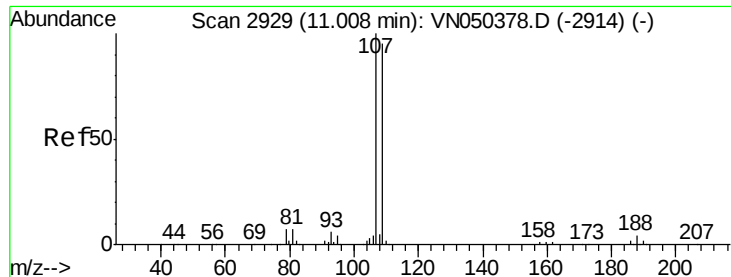
MMDadoda
8/8/2018 10:47:14 AM



#60
Dibromochloromethane
Concen: 18.54 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.0	113.9





#61

1,2-Dibromoethane

Concen: 18.63 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

Tot Ion: 107 Resp: 140693

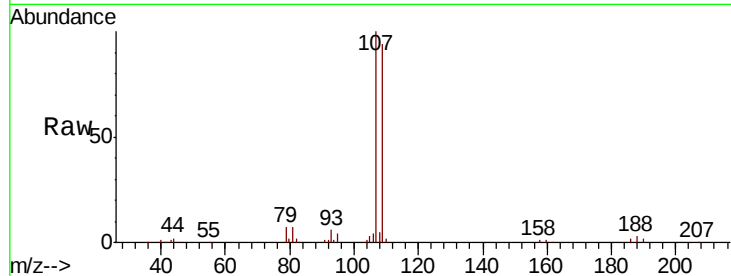
Ion Ratio Lower Upper

107 100

109 94.9 74.6 112.0

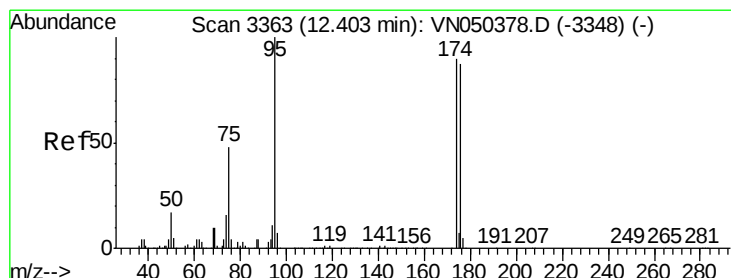
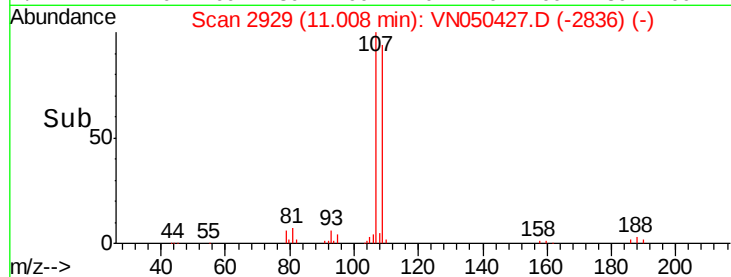
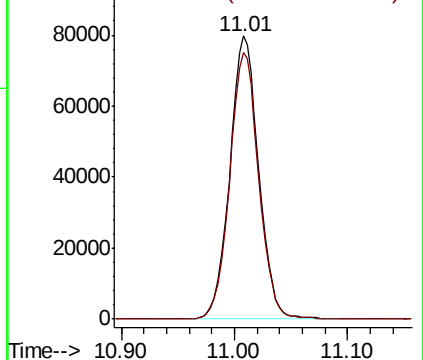
Manual Integrations
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MMDadoda
8/8/2018 10:47:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.67 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

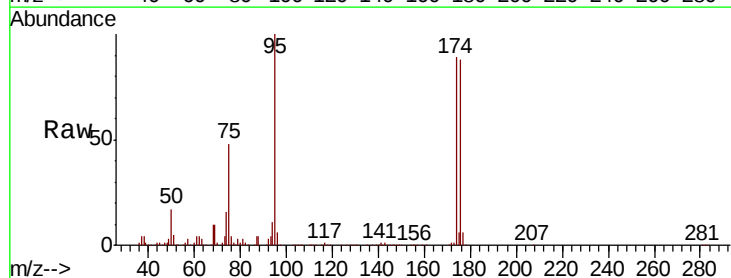
Tgt Ion: 95 Resp: 464168

Ion Ratio Lower Upper

95 100

174 89.2 0.0 178.2

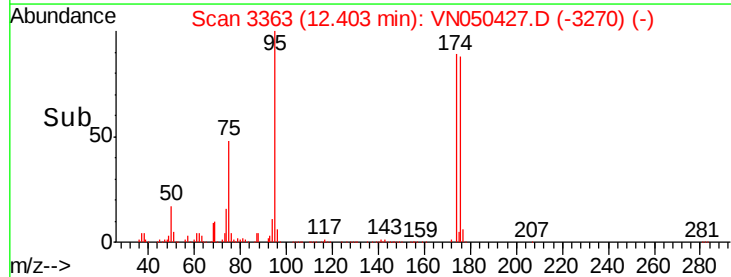
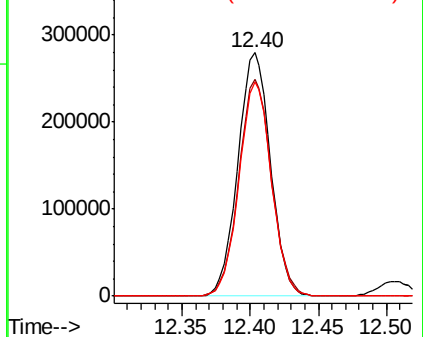
176 87.1 0.0 173.4

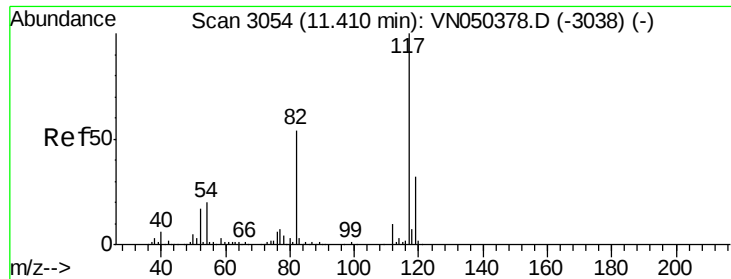


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





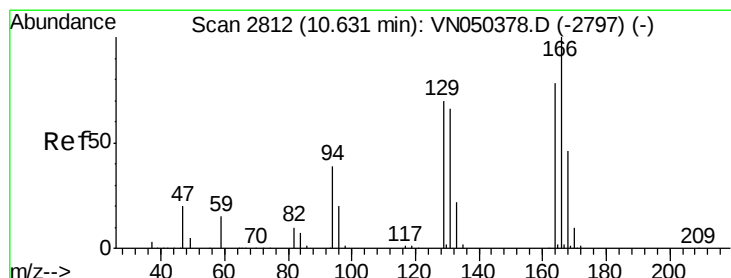
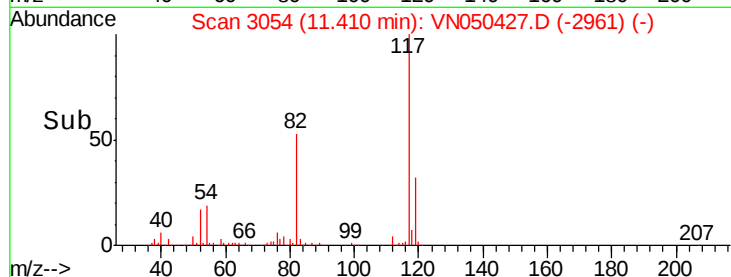
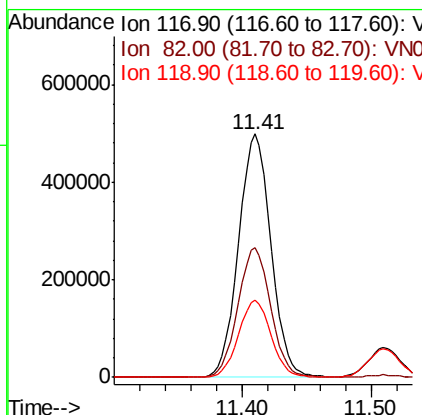
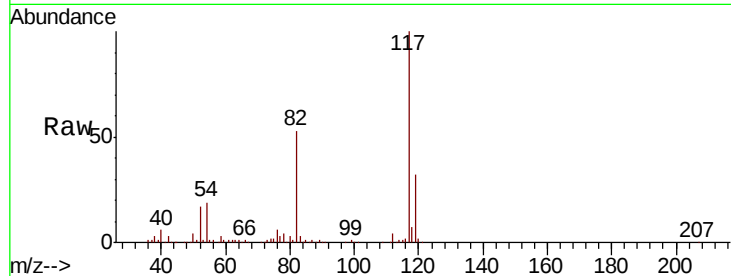
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.7	65.5
119	31.7	26.1	39.1

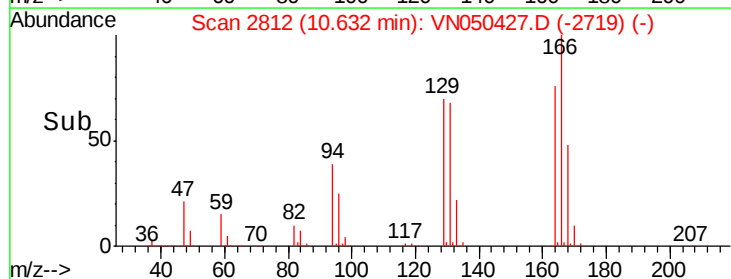
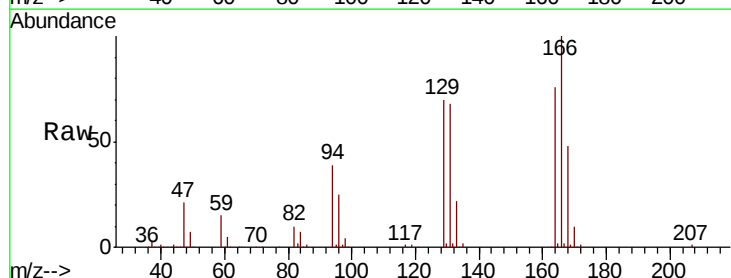
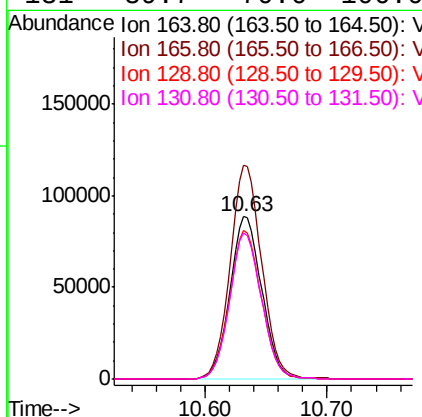
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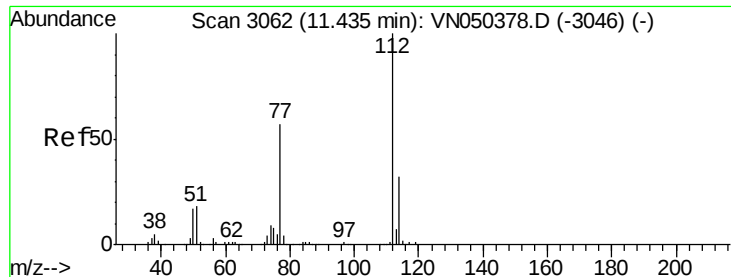
MMDadoda
8/8/2018 10:47:14 AM



#64
Tetrachloroethene
Concen: 19.75 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	102.1	153.1
129	91.6	73.2	109.8
131	89.7	70.6	106.0





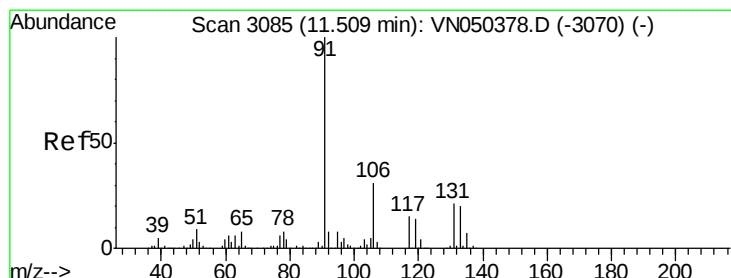
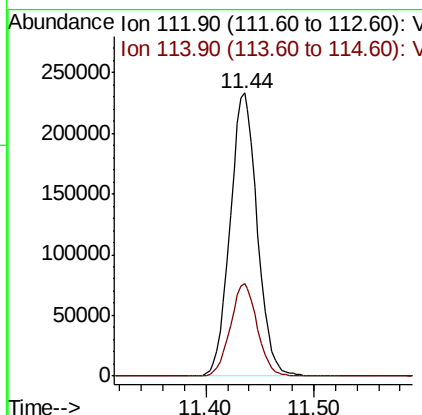
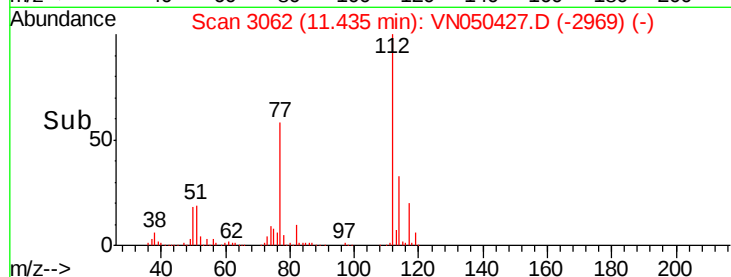
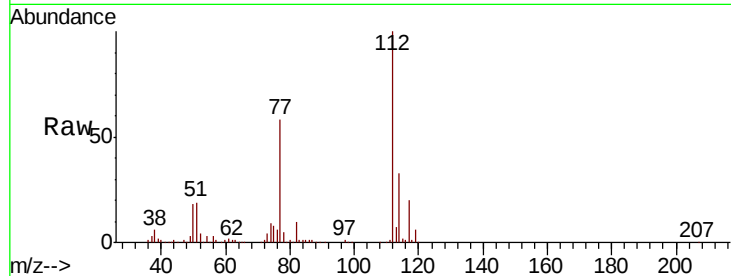
#65
Chlorobenzene
Concen: 18.65 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.6	38.4

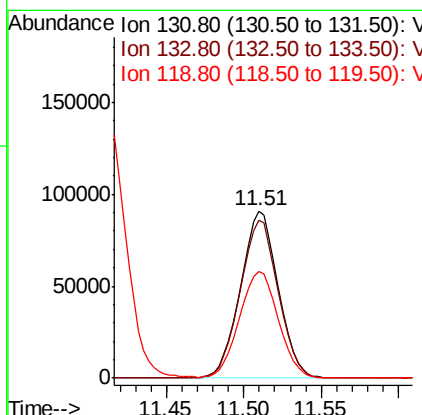
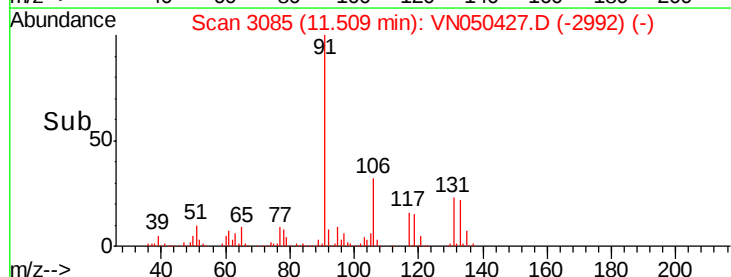
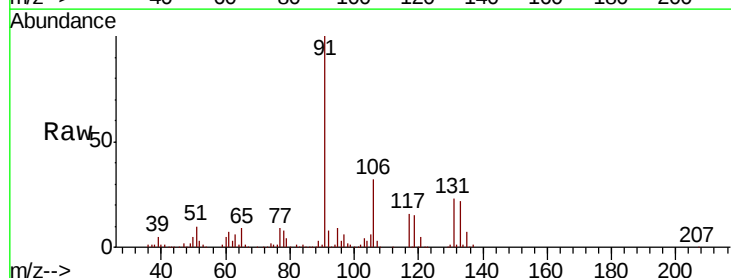
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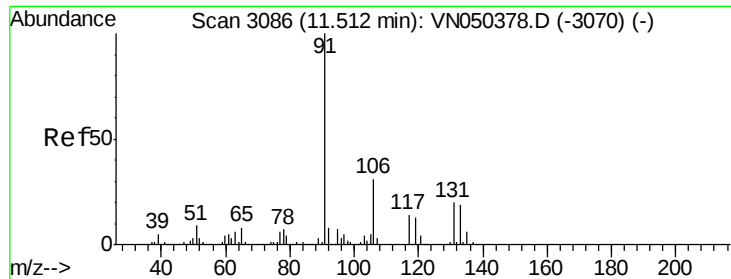
MMDadoda
8/8/2018 10:47:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.31 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.9
119	66.3	32.9	98.7





#67

Ethyl Benzene

Concen: 19.13 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

Tot Ion: 91 Resp: 676854

Ion Ratio Lower Upper

91 100

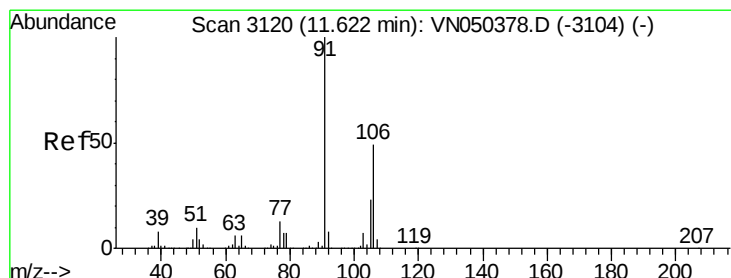
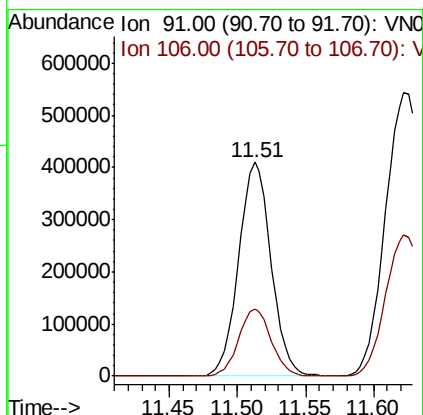
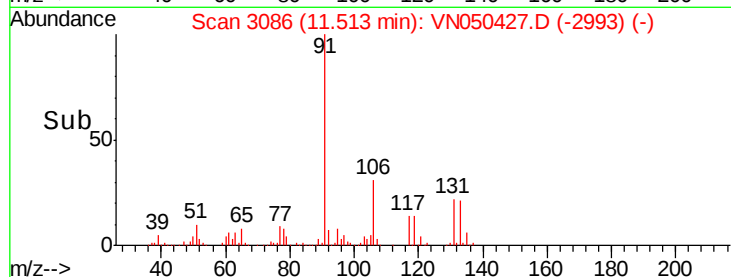
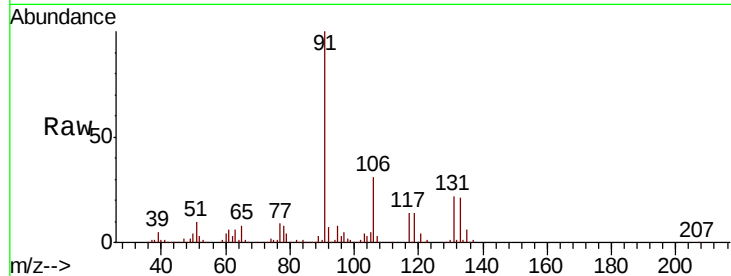
106 31.3 25.0 37.4

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#68

m/p-Xylenes

Concen: 39.32 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050427.D

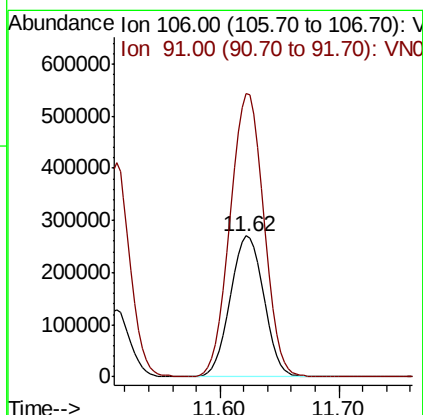
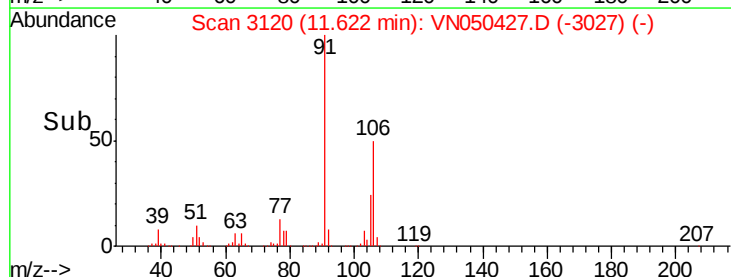
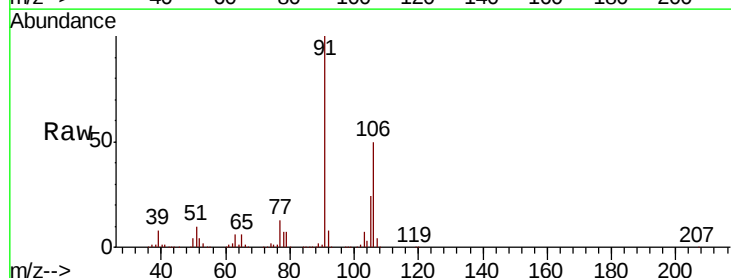
Acq: 7 Aug 2018 13:22

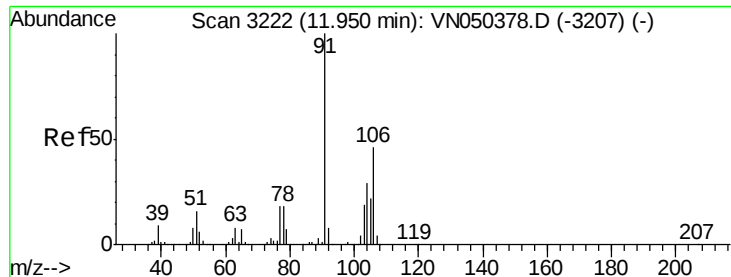
Tgt Ion: 106 Resp: 529546

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.2





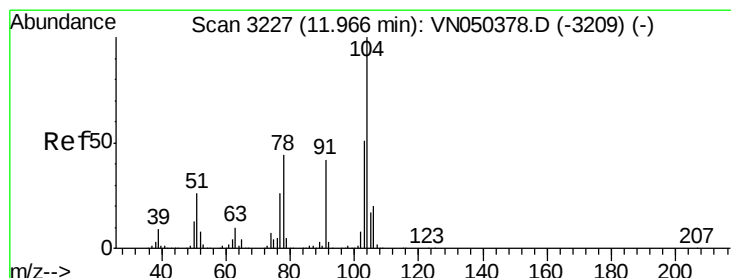
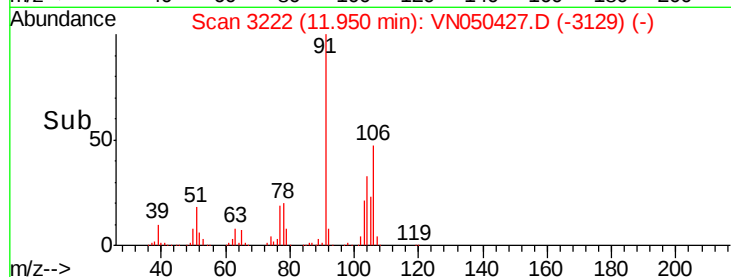
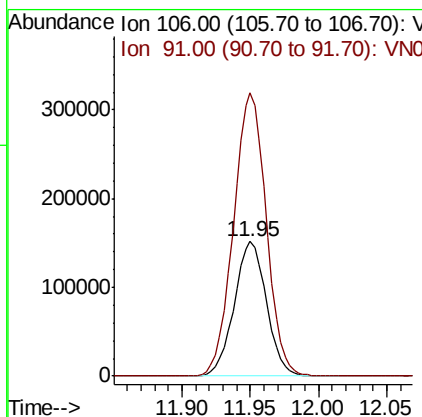
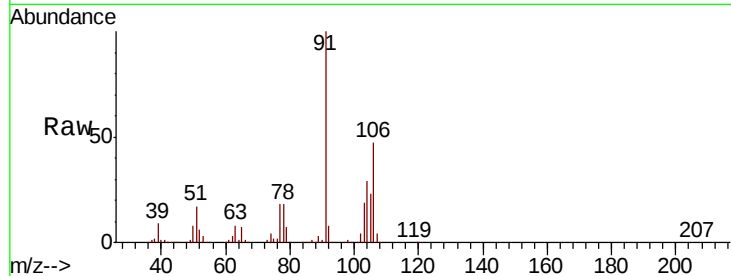
#69
o-Xylene
Concen: 19.17 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.3	107.7	323.1

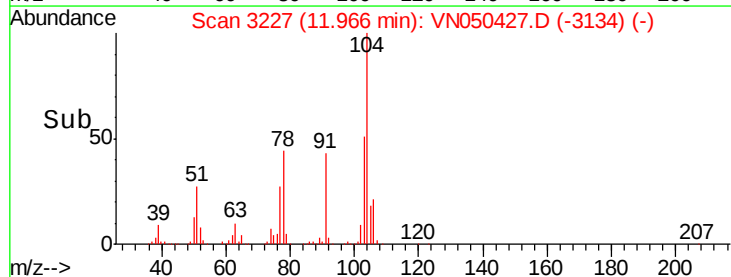
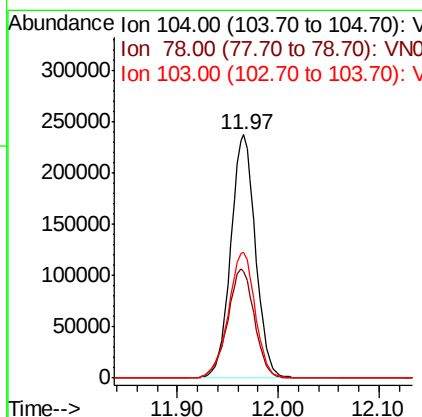
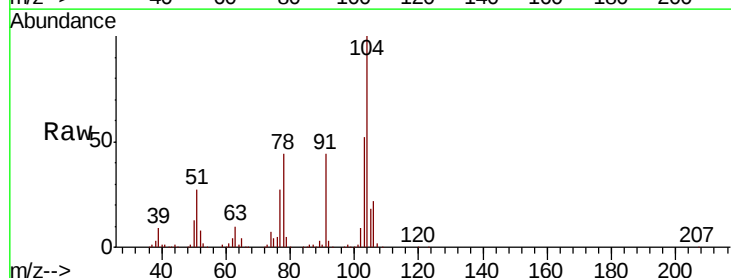
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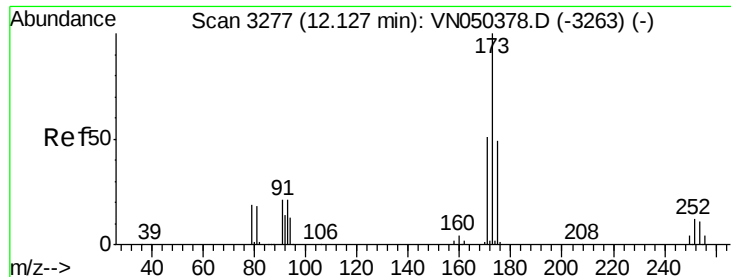
MMDadoda
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#70
Styrene
Concen: 19.20 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.3	58.9
103	55.7	45.0	67.6





#71

Bromoform

Concen: 18.33 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

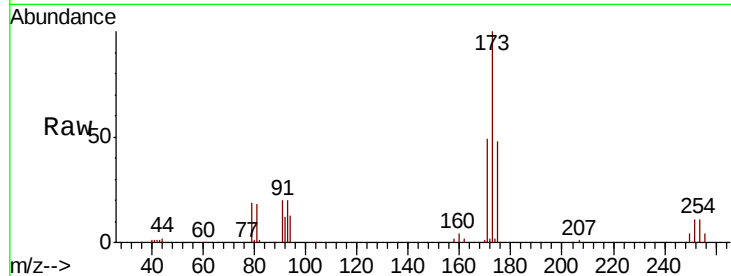
ClientSampled :

VN0807WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.2
254	0.0	0.2	0.2

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8/8/2018 10:47:14 AM

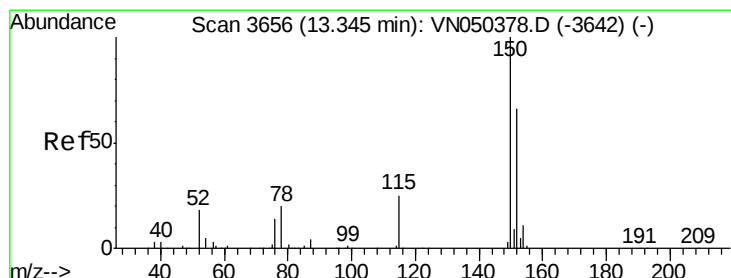
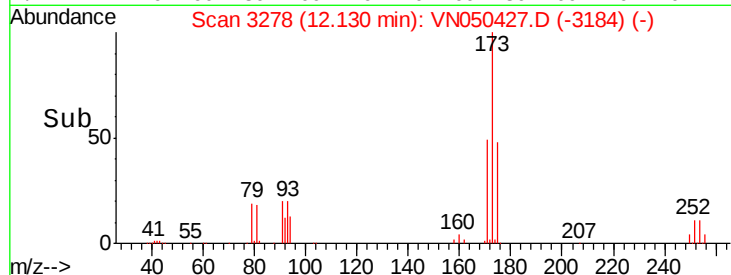
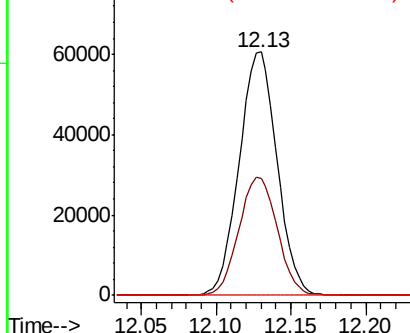


Abundance

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: 50.00 ug/l

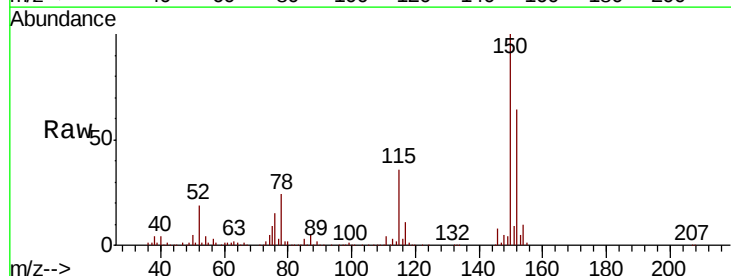
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.8	83.3
150	160.9	0.0	348.6

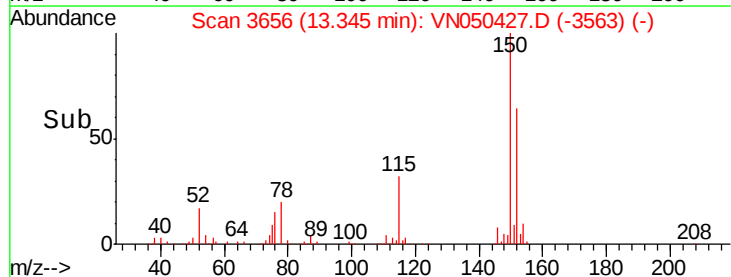
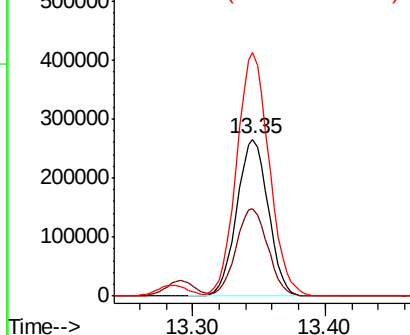


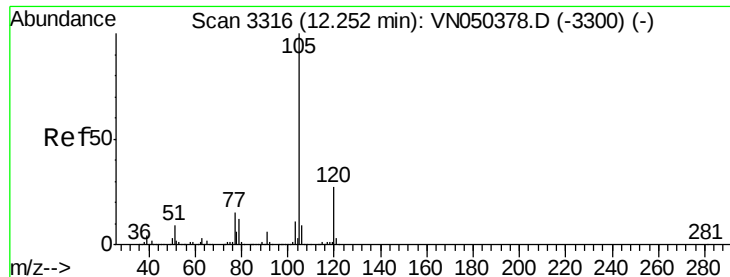
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.12 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

Tot Ion:105 Resp: 660111

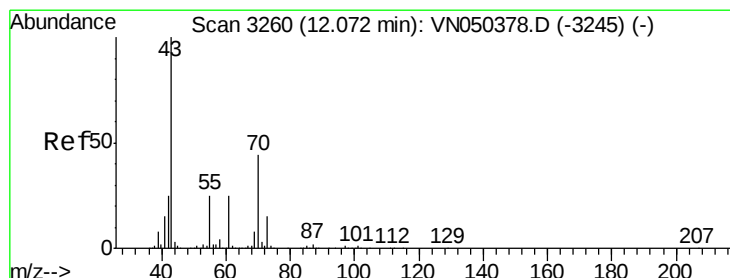
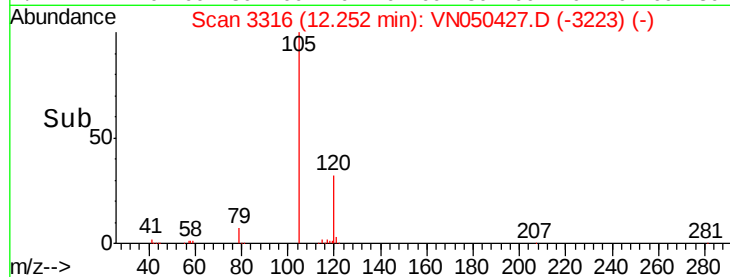
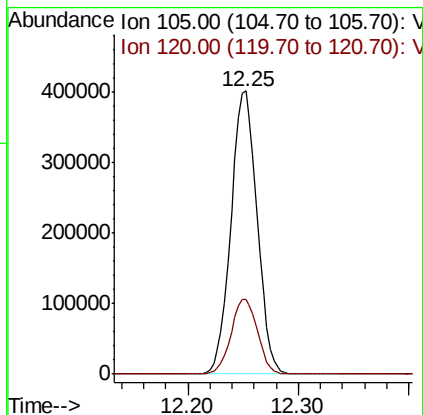
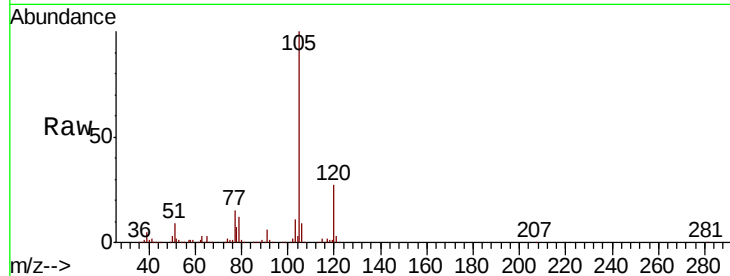
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 17.74 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion: 43 Resp: 188694

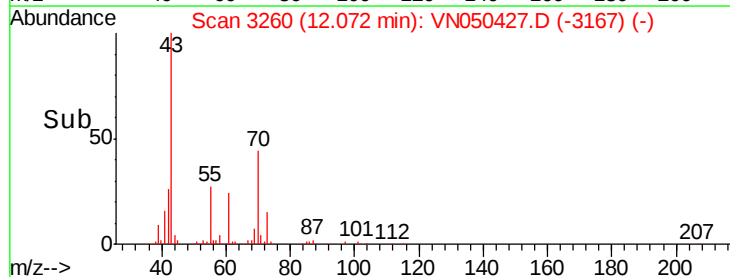
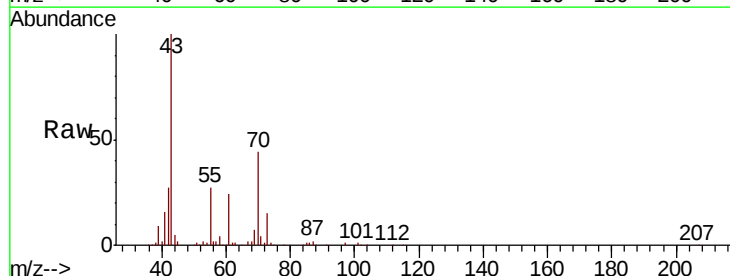
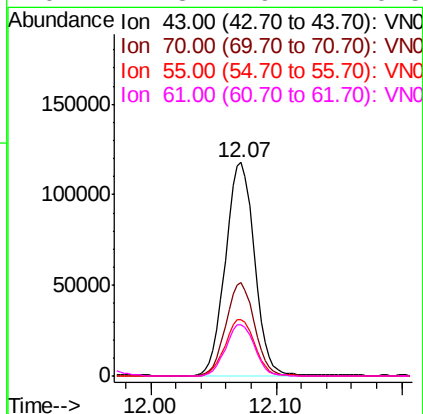
Ion Ratio Lower Upper

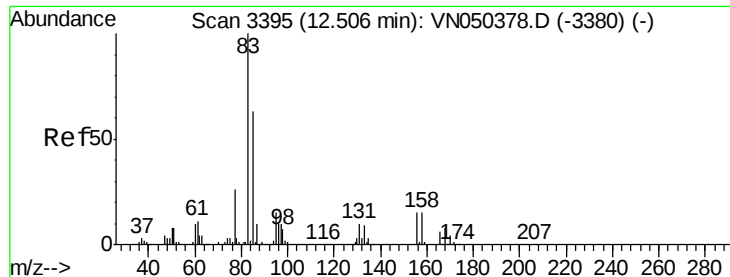
43 100

70 43.3 34.4 51.6

55 27.3 20.8 31.2

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.59 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

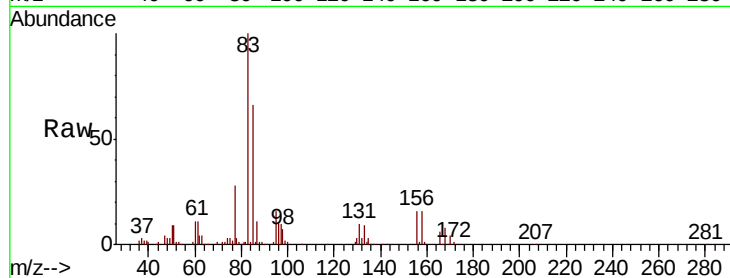
ClientSampled :

VN0807WBS01

Tot Ion:	83	Resp:	175977
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	65.0	32.3	96.8

Manual Integrations
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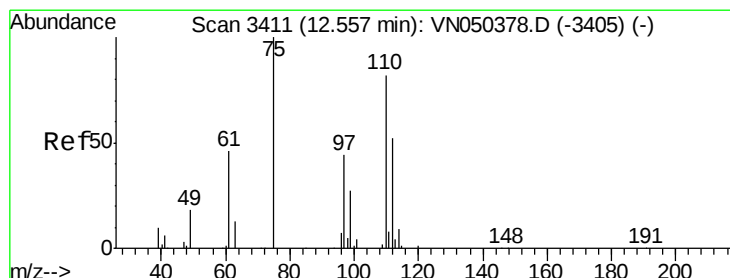
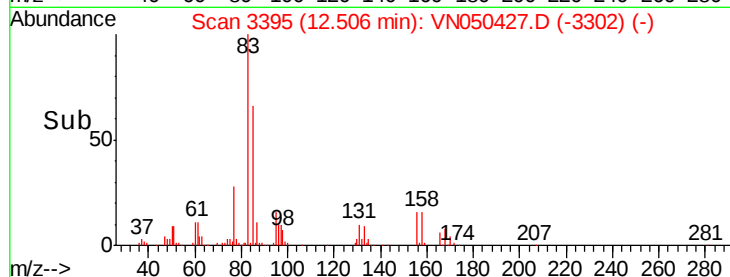
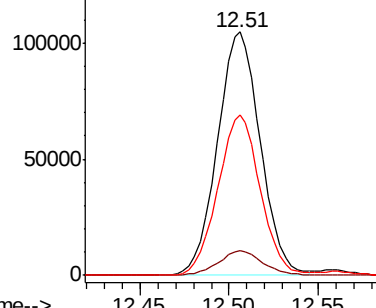
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN050427.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN050427.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN050427.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 19.03 ug/l m

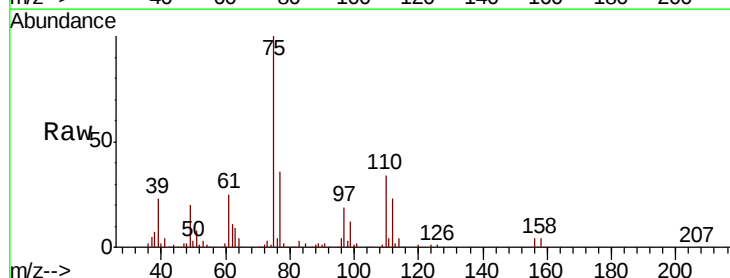
RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050427.D

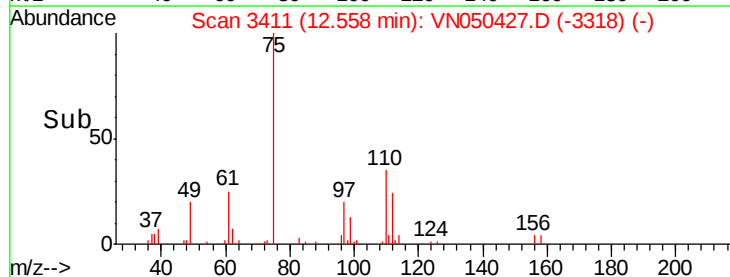
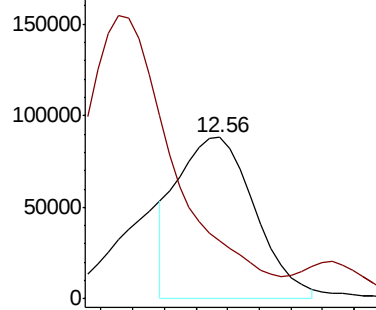
Acq: 7 Aug 2018 13:22

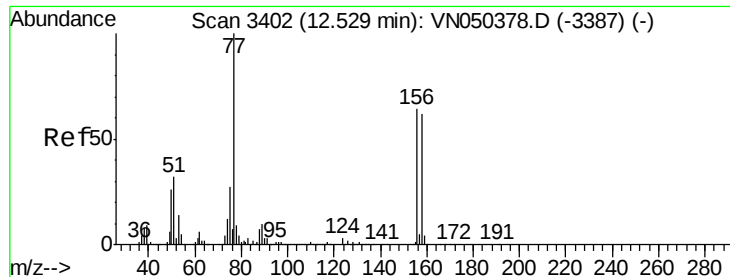
Tgt Ion:	75	Resp:	150586
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050427.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN050427.D (-3318) (-)





#77

Bromobenzene

Concen: 19.86 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

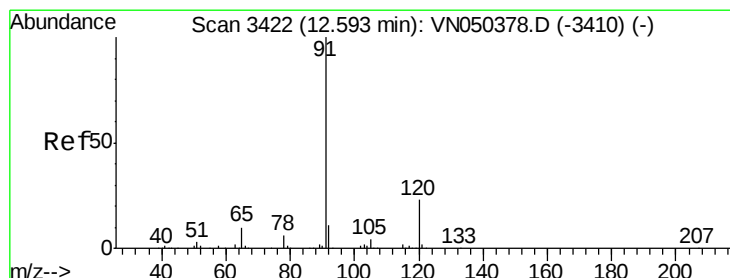
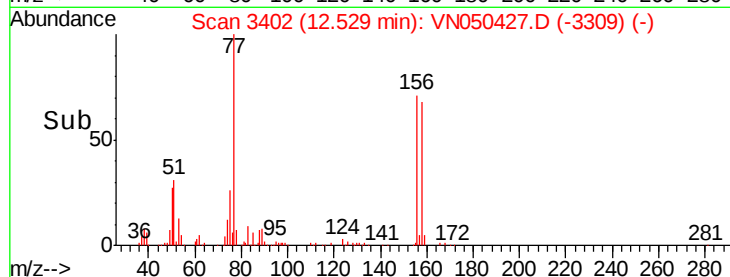
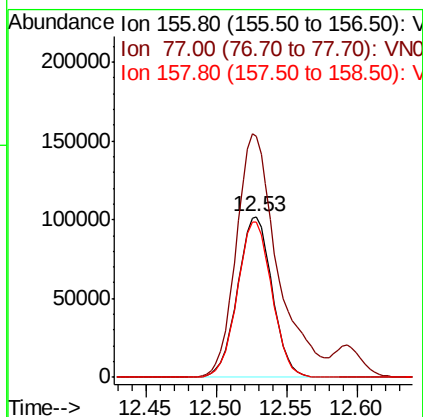
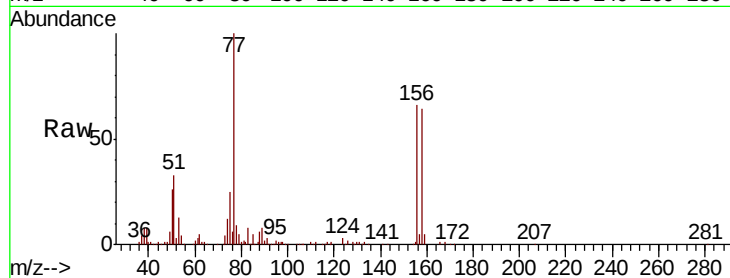
ClientSampled :

VN0807WBS01

Tot Ion:	156	Resp:	174575
Ion Ratio	Lower	Upper	
156	100		
77	181.1	91.7	275.1
158	97.1	48.9	146.6

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#78

n-propylbenzene

Concen: 20.41 ug/l

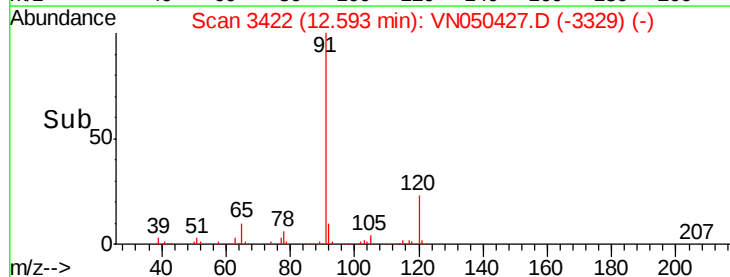
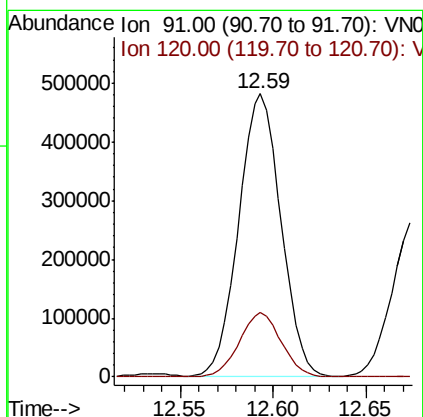
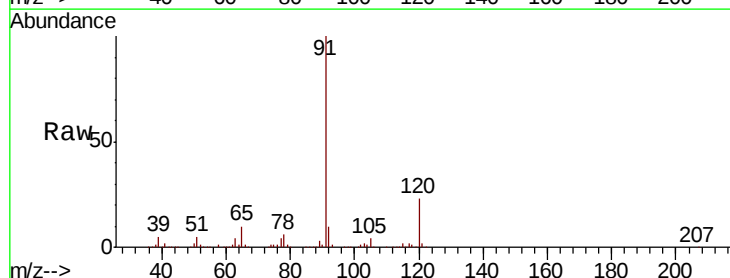
RT: 12.59 min Scan# 3422

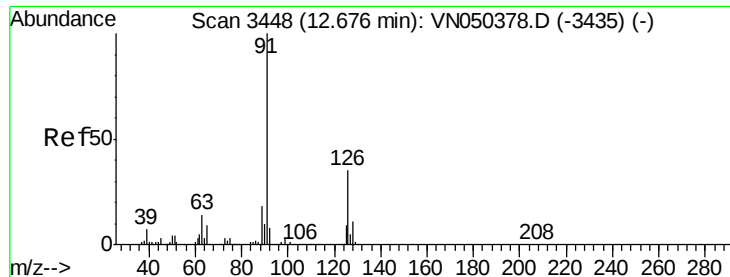
Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion:	91	Resp:	757989
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.6	34.7





#79

2-Chlorotoluene

Concen: 19.84 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0807WBS01

Tot Ion: 91 Resp: 455072

Ion Ratio Lower Upper

91 100

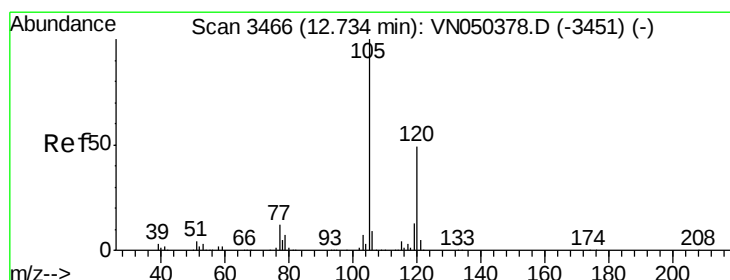
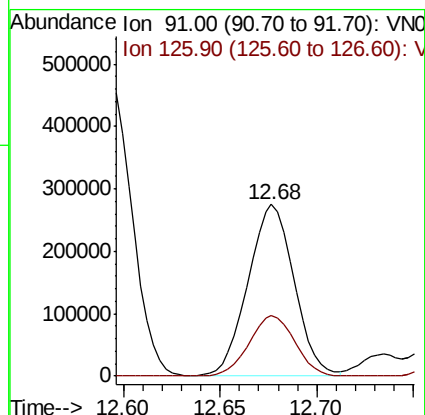
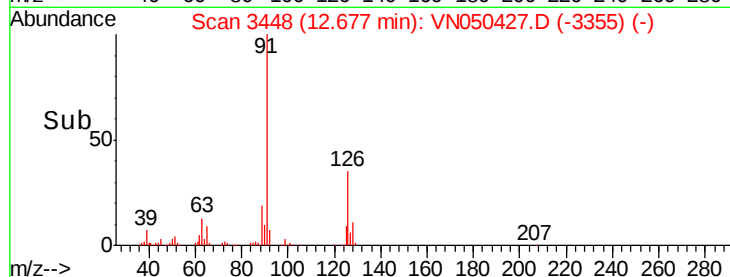
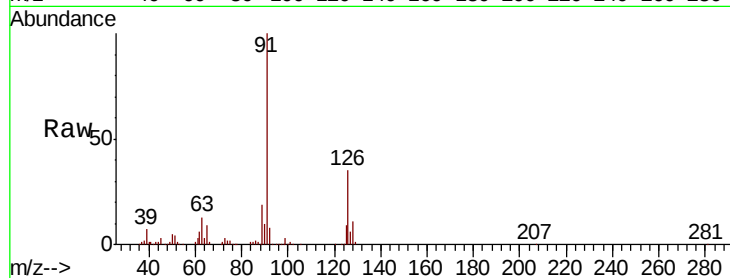
126 35.3 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.53 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050427.D

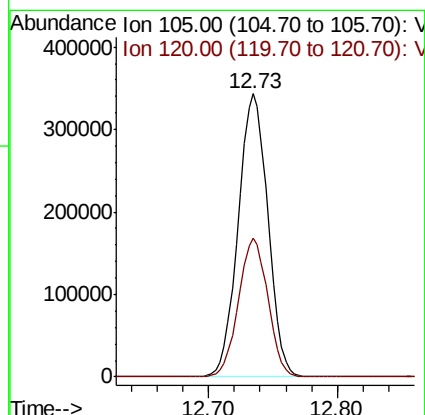
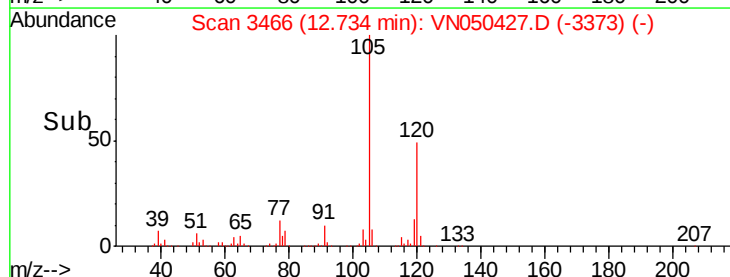
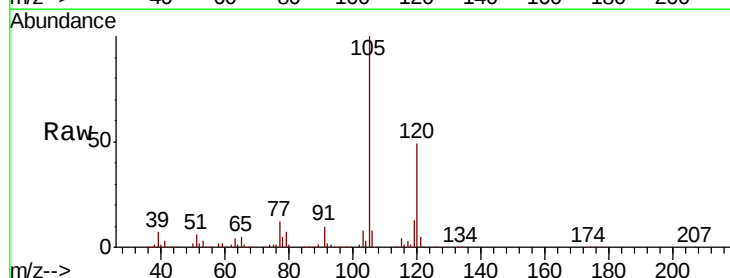
Acq: 7 Aug 2018 13:22

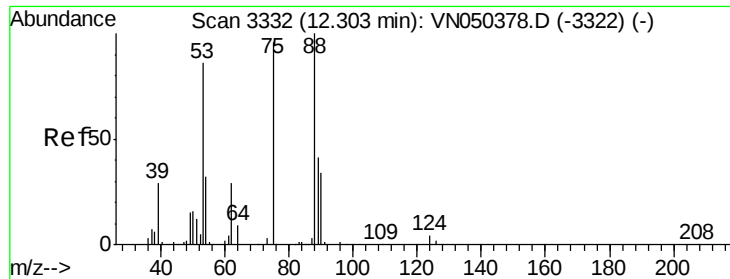
Tgt Ion: 105 Resp: 546705

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2





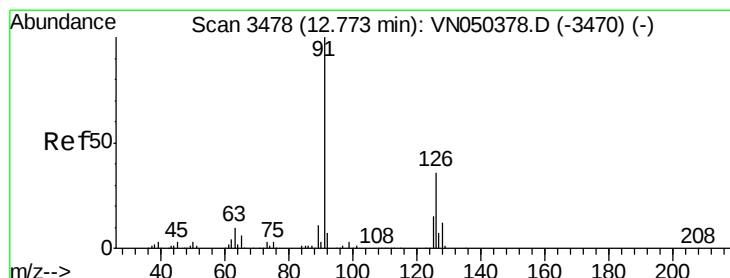
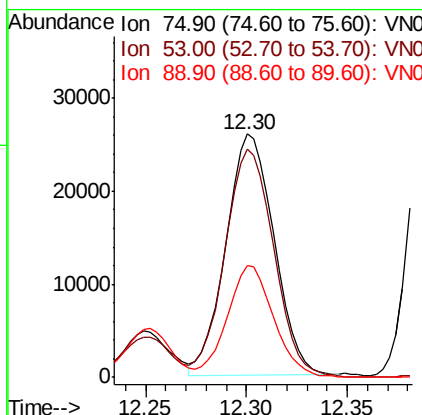
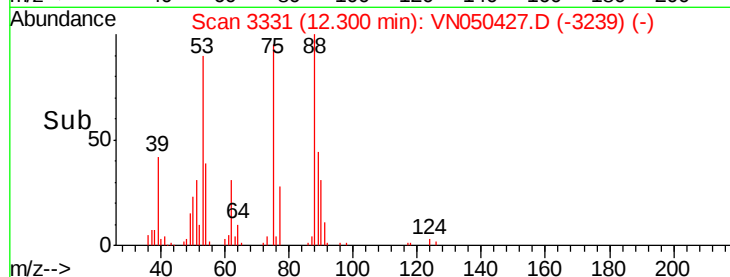
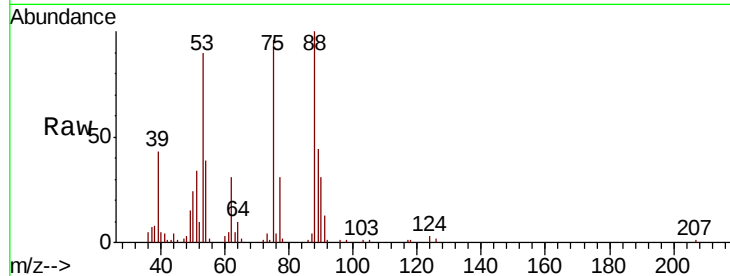
#81
trans-1,4-Dichloro-2-butene
Concen: 19.21 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.5	73.5	110.3
89	44.8	36.0	54.0

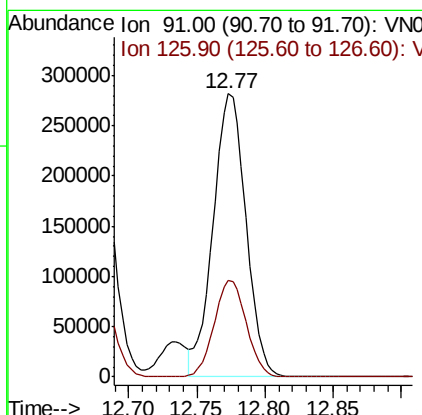
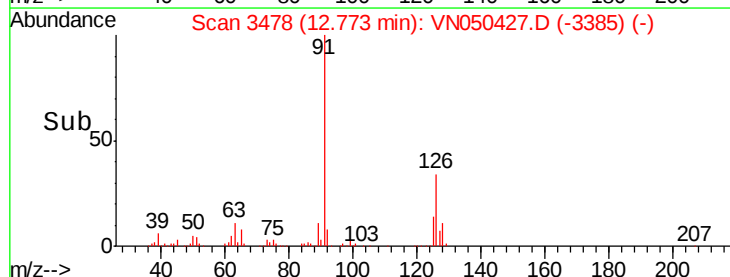
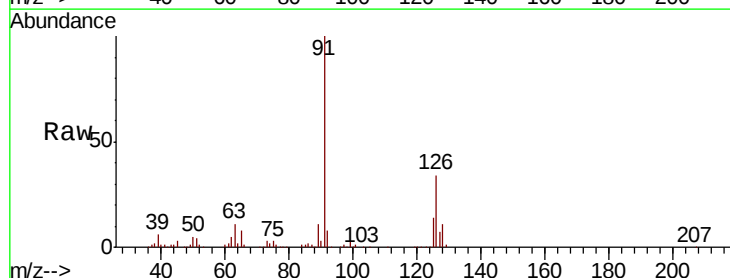
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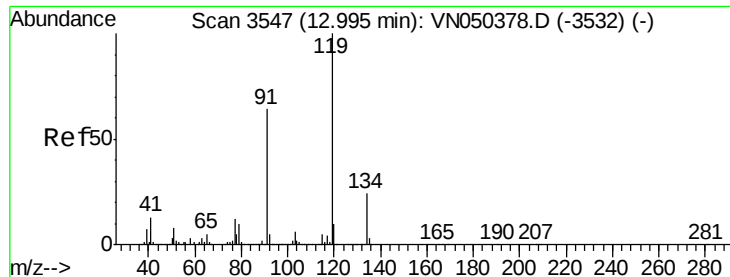
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#82
4-Chlorotoluene
Concen: 20.59 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.0	51.0





#83

tert-Butylbenzene

Concen: 19.83 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

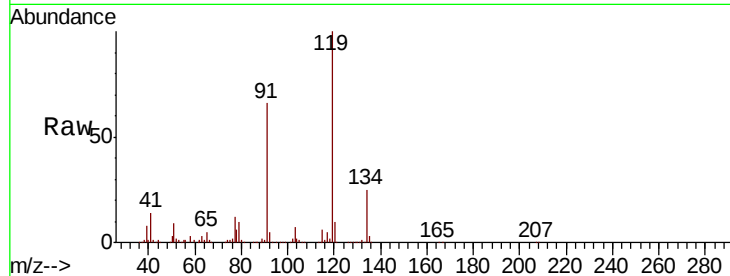
ClientSampleId :

VN0807WBS01

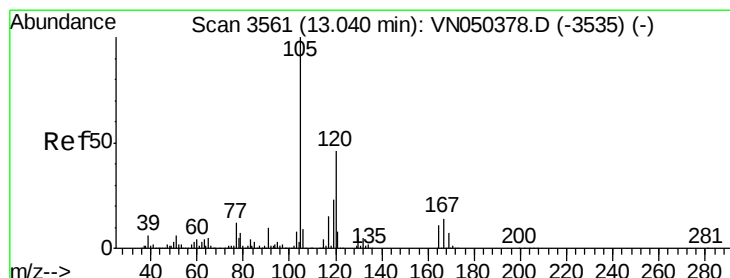
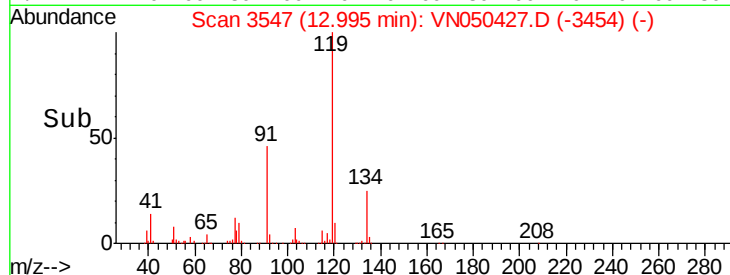
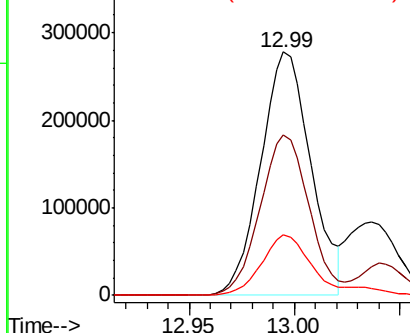
Tot Ion:	119	Resp:	460745
Ion Ratio	Lower	Upper	
119	100		
91	64.5	32.1	96.3
134	24.0	13.2	39.5

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.45 ug/l

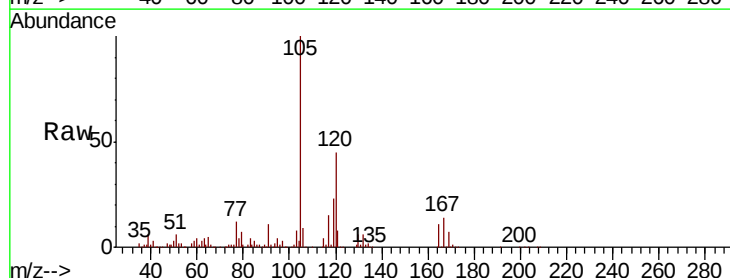
RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

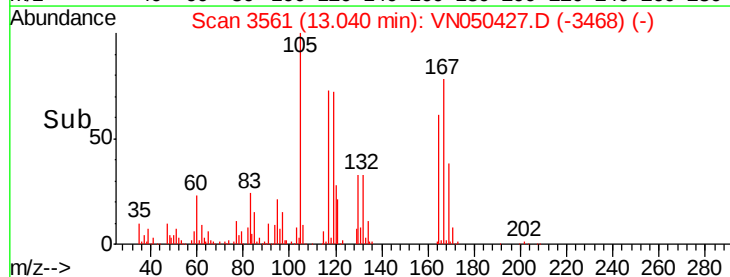
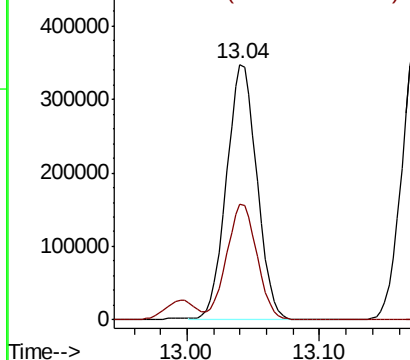
Lab File: VN050427.D

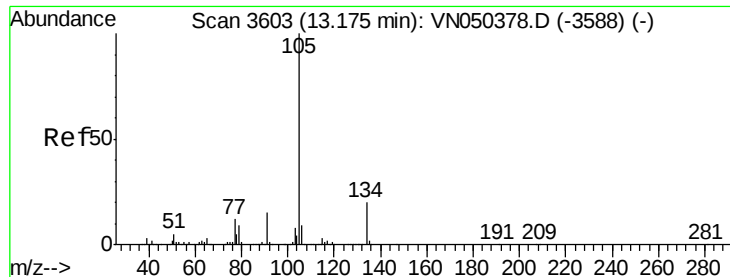
Acq: 7 Aug 2018 13:22

Tgt Ion:	105	Resp:	551891
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.97 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBS01

Tot Ion:105 Resp: 618390

Ion Ratio Lower Upper

105 100

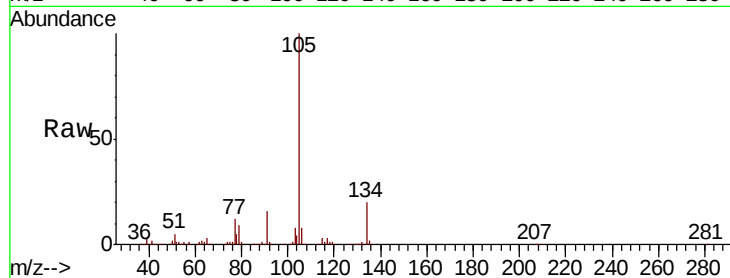
134 20.2 10.1 30.1

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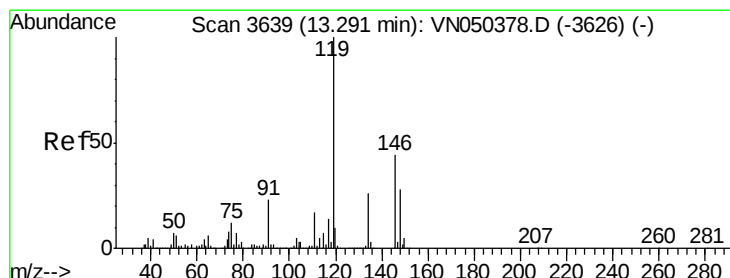
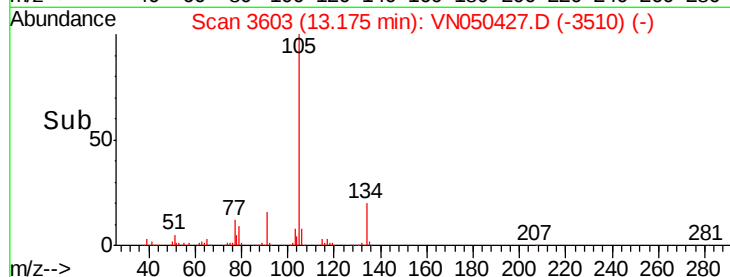
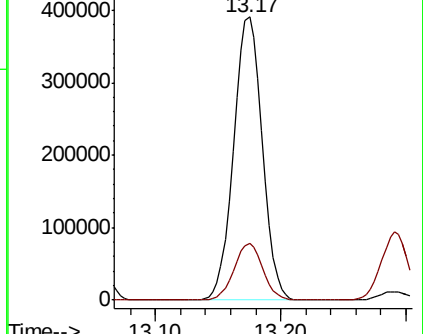
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.85 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

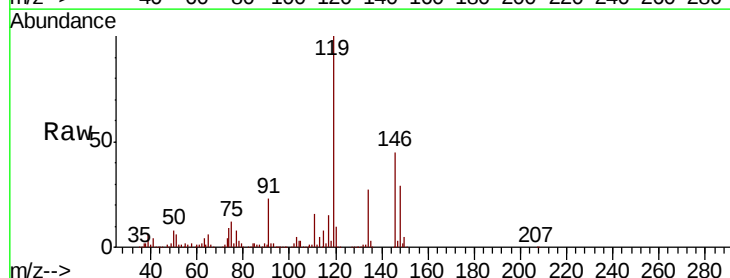
Tgt Ion:119 Resp: 526812

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

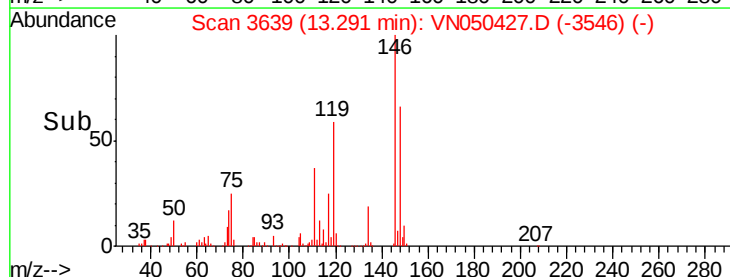
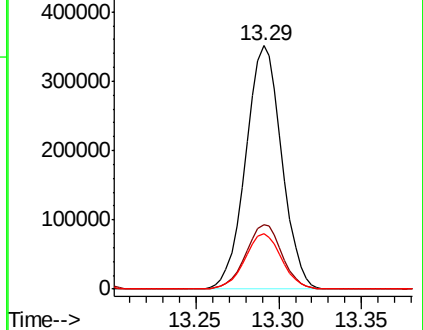
91 23.1 11.4 34.2

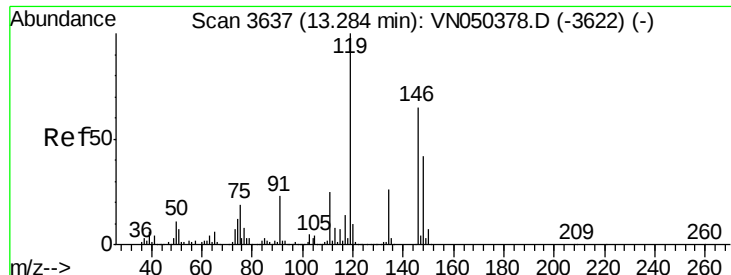


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





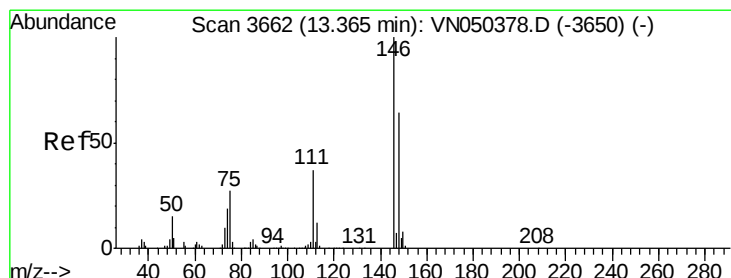
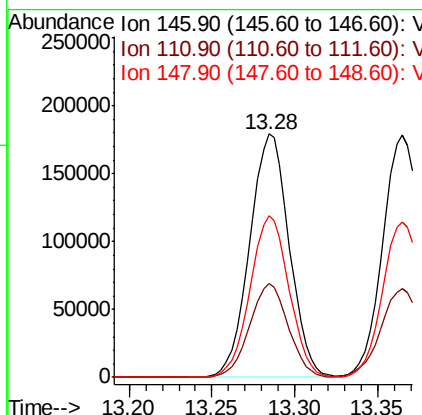
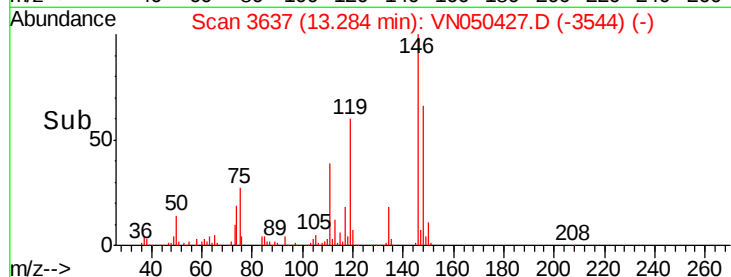
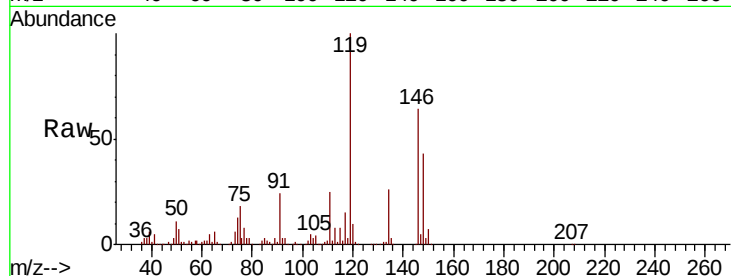
#87
 1,3-Dichlorobenzene
 Concen: 18.95 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	296670		
111	37.8	18.8	56.4	
148	65.6	31.9	95.9	

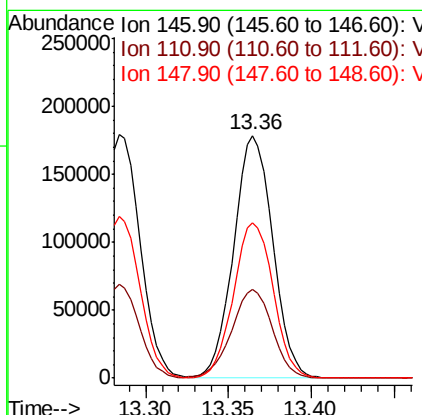
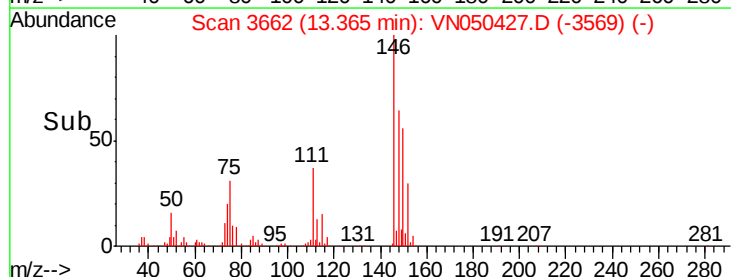
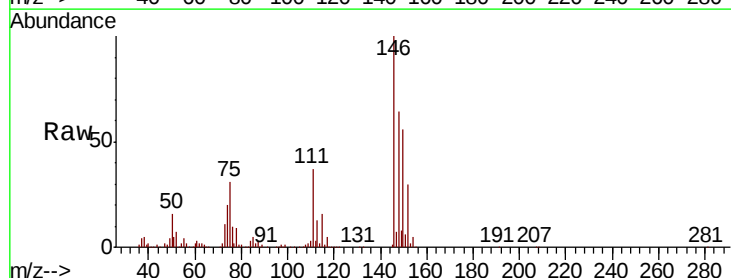
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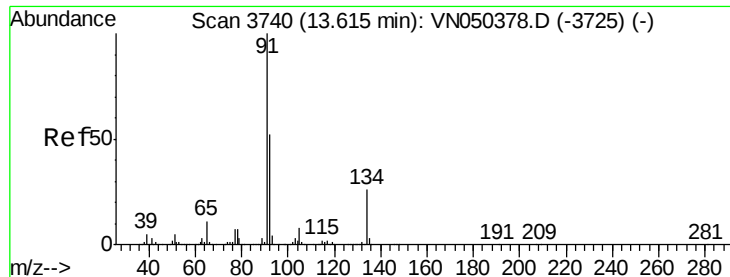
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#88
 1,4-Dichlorobenzene
 Concen: 18.75 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	293164		
111	38.1	18.3	54.9	
148	64.9	31.9	95.9	





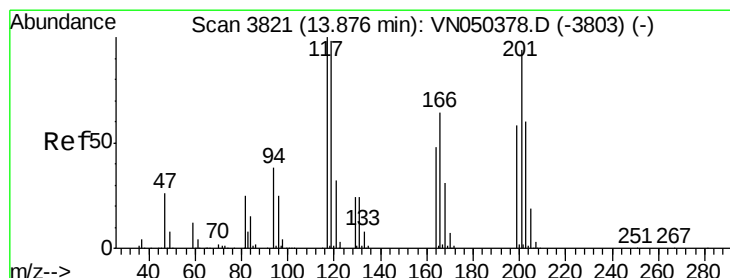
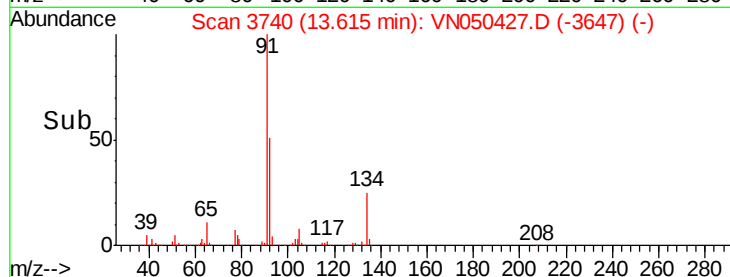
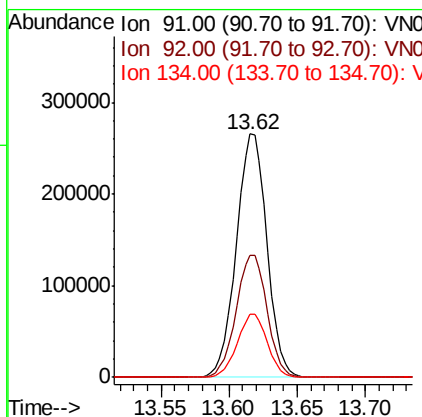
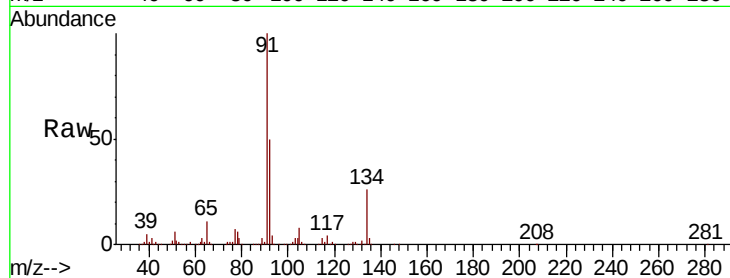
#89
n-Butylbenzene
Concen: 18.26 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0807WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.8	77.4
134	25.4	12.8	38.4

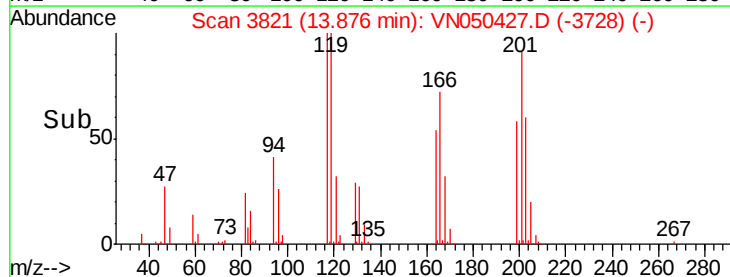
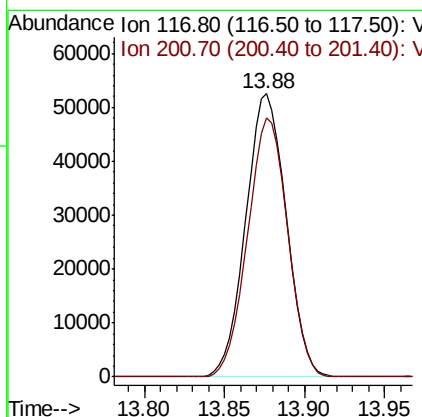
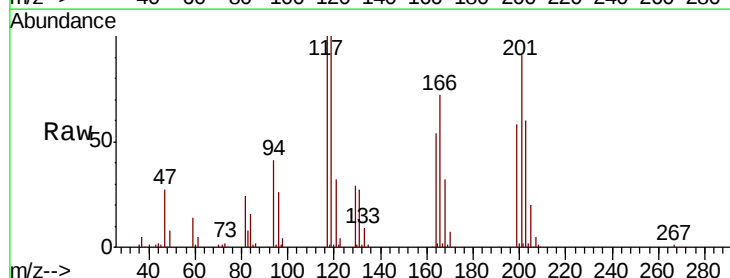
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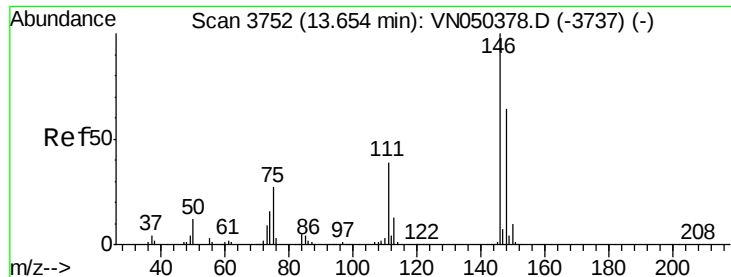
MMDadoda
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#90
Hexachloroethane
Concen: 19.31 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050427.D
Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 18.67 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

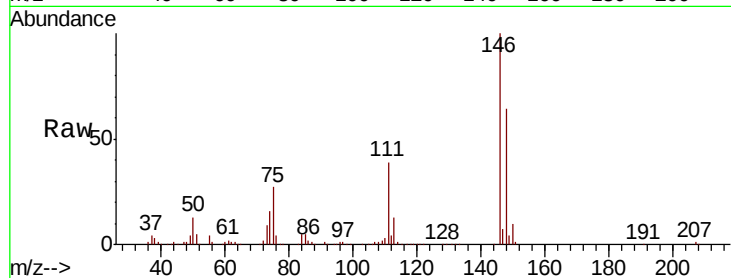
ClientSampleId :

VN0807WBS01

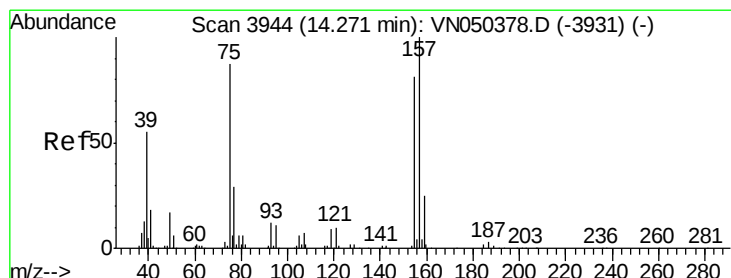
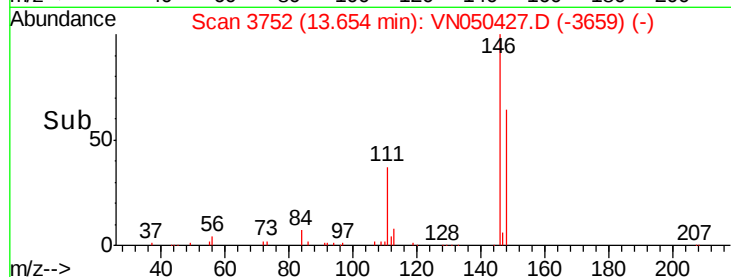
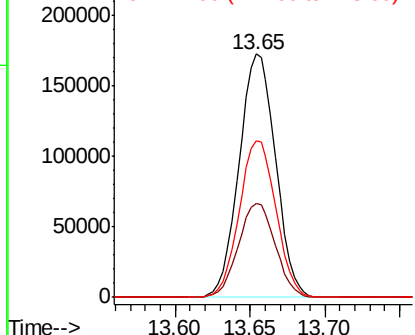
Tot Ion:	146	Resp:	292933
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.6	58.7
148	64.6	32.1	96.3

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.73 ug/l

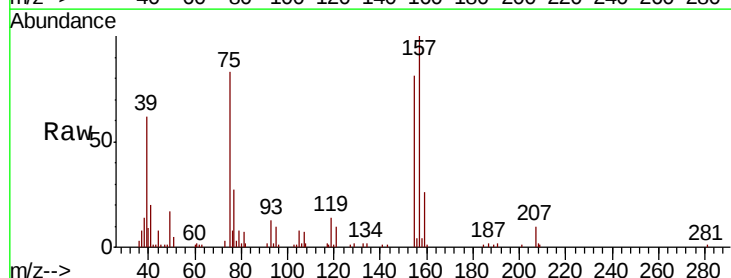
RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

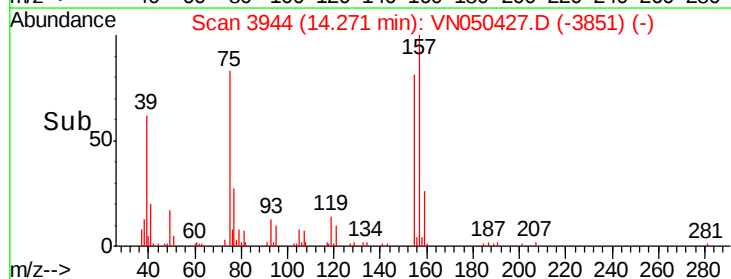
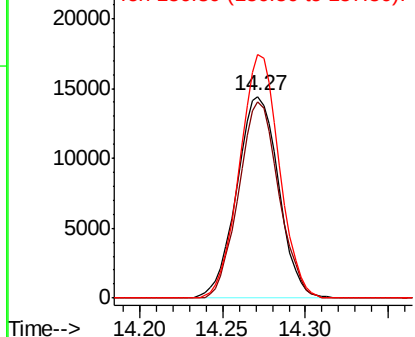
Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion:	75	Resp:	25280
Ion Ratio	Lower	Upper	
75	100		
155	92.9	44.8	134.4
157	114.4	57.2	171.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





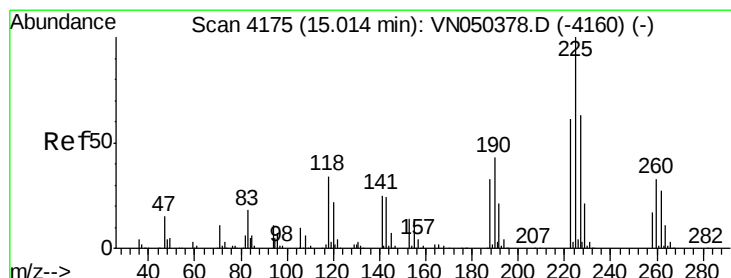
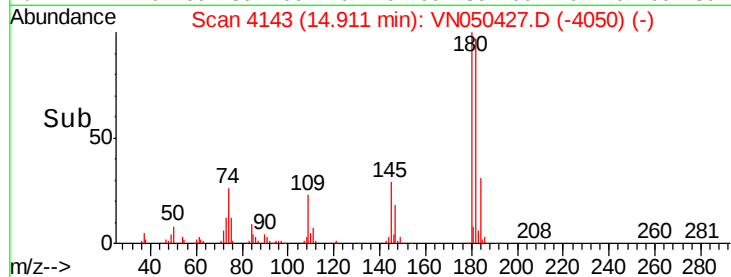
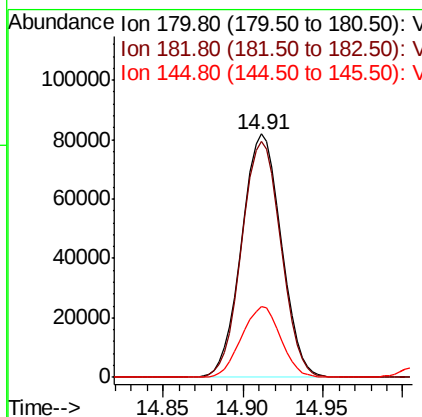
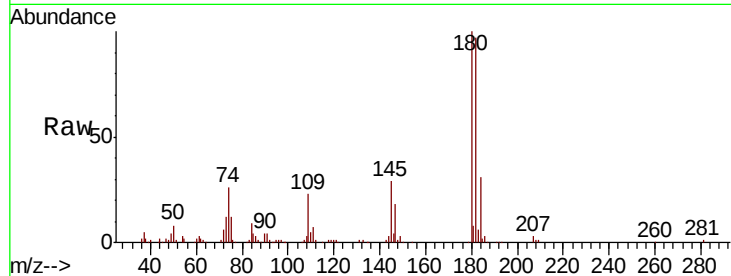
#93
 1,2,4-Trichlorobenzene
 Concen: 17.30 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138249		
182	96.1	46.7	140.1	
145	28.6	13.8	41.4	

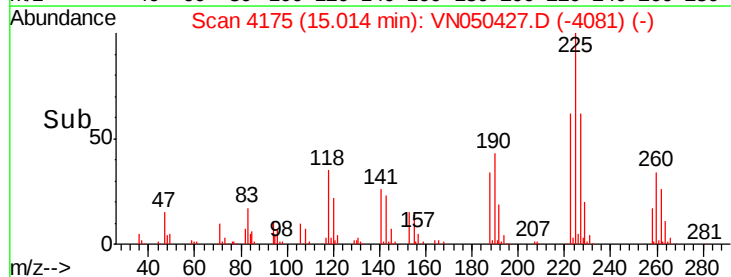
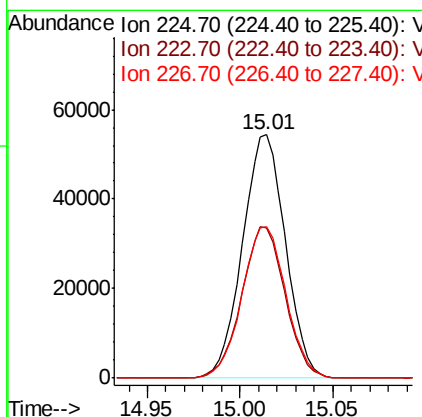
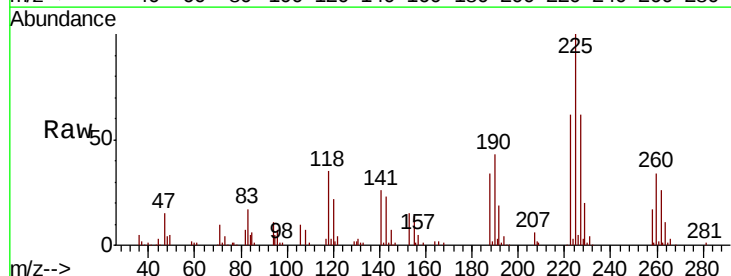
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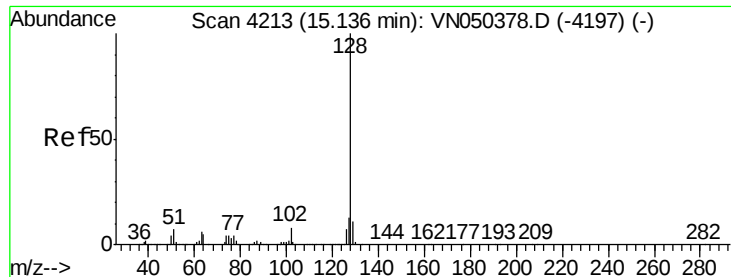
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 8/8/2018 10:47:14 AM



#94
 Hexachlorobutadiene
 Concen: 19.05 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050427.D
 Acq: 7 Aug 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87640		
223	63.0	31.4	94.2	
227	63.8	32.1	96.5	





#95

Naphthalene

Concen: 16.32 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Instrument :

MSVOA_N

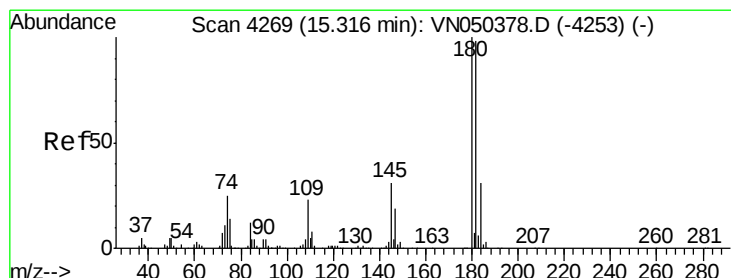
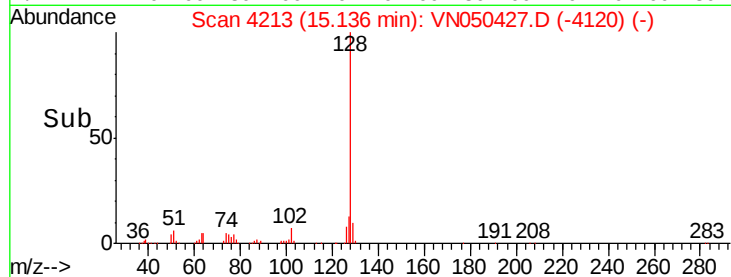
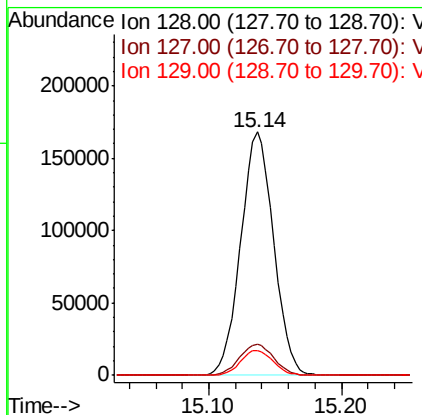
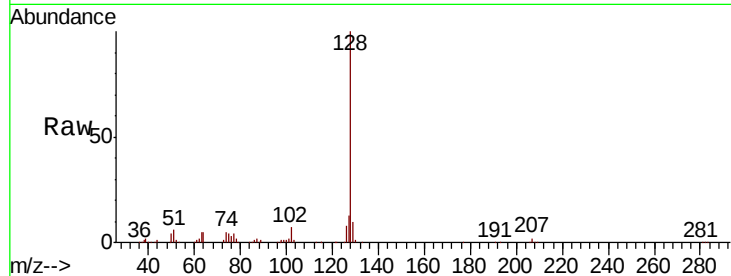
ClientSampleId :

VN0807WBS01

Tot Ion:	128	Resp:	289876
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.3	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 17.00 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050427.D

Acq: 7 Aug 2018 13:22

Tgt Ion:	180	Resp:	137396
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.1	144.4
145	30.1	15.3	45.9

