

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050384.D
 Acq On : 6 Aug 2018 15:26
 Operator : MD\SY
 Sample : VN0806WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:59:01 AM

Quant Time: Aug 07 06:04:07 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	687723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1013441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	932616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	482721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	452904	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.59	113	398218	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	10.09	98	1515118	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	502920	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	149799	19.62	ug/l	99
3) Chloromethane	2.06	50	193367	20.57	ug/l	98
4) Vinyl Chloride	2.18	62	198830	20.12	ug/l	98
5) Bromomethane	2.56	94	96319	20.21	ug/l	99
6) Chloroethane	2.70	64	119895	19.69	ug/l	99
7) Trichlorofluoromethane	3.01	101	245374	19.23	ug/l	99
8) Diethyl Ether	3.41	74	94030	20.09	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	152382	19.32	ug/l	100
10) Methyl Iodide	3.95	142	84510	24.32	ug/l	97
11) Tert butyl alcohol	4.80	59	67260	91.12	ug/l	100
12) 1,1-Dichloroethene	3.73	96	143238	19.27	ug/l	97
13) Acrolein	3.61	56	95377	108.37	ug/l	99
14) Allyl chloride	4.32	41	231570	19.39	ug/l	98
15) Acrylonitrile	5.00	53	298790	96.64	ug/l	99
16) Acetone	3.82	43	270335	98.43	ug/l	97
17) Carbon Disulfide	4.05	76	443161	18.33	ug/l	100
18) Methyl Acetate	4.33	43	140933	19.68	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	418846	19.85	ug/l	100
20) Methylene Chloride	4.55	84	175011	19.95	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	156227	19.42	ug/l	98
22) Diisopropyl ether	5.96	45	491366	20.14	ug/l	97
23) Vinyl Acetate	5.90	43	1730606	99.44	ug/l	99
24) 1,1-Dichloroethane	5.85	63	293662	19.62	ug/l	99
25) 2-Butanone	6.84	43	431483	94.76	ug/l	100
26) 2,2-Dichloropropane	6.83	77	233692	18.94	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	174291	19.54	ug/l	98
28) Bromochloromethane	7.20	49	131009	19.02	ug/l	99
29) Tetrahydrofuran	7.22	42	230502	94.58	ug/l	99
30) Chloroform	7.37	83	293876	19.64	ug/l	98
31) Cyclohexane	7.66	56	256671	19.10	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	252220	19.63	ug/l	99
36) 1,1-Dichloropropene	7.79	75	220537	19.81	ug/l	99
37) Ethyl Acetate	6.94	43	163362	20.37	ug/l	99
38) Carbon Tetrachloride	7.78	117	222047	19.12	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	232543	19.13	ug/l	100
40) Benzene	8.04	78	685889	20.04	ug/l	99
41) Methacrylonitrile	7.18	41	70373	16.50	ug/l	95
42) 1,2-Dichloroethane	8.13	62	214407	19.73	ug/l	100
43) Isopropyl Acetate	8.17	43	270316	19.53	ug/l	97
44) Trichloroethene	8.84	130	176249	19.16	ug/l	96
45) 1,2-Dichloropropane	9.12	63	174594	19.40	ug/l	98
46) Dibromomethane	9.21	93	108084	19.45	ug/l	97
47) Bromodichloromethane	9.40	83	223801	19.44	ug/l	99
48) Methyl methacrylate	9.20	41	131751	18.99	ug/l	99
49) 1,4-Dioxane	9.20	88	40932	382.74	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	993660	99.67	ug/l	100
52) Toluene	10.16	92	418569	20.36	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	227332	19.67	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	256449	19.88	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	157704	19.64	ug/l	98
56) Ethyl methacrylate	10.43	69	199869	18.70	ug/l	98
57) 1,3-Dichloropropane	10.71	76	262680	19.93	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	471067	93.72	ug/l	100
59) 2-Hexanone	10.75	43	674023	96.88	ug/l	100
60) Dibromochloromethane	10.90	129	174839	19.77	ug/l	100
61) 1,2-Dibromoethane	11.01	107	155705	19.68	ug/l	99
64) Tetrachloroethene	10.63	164	171821	19.72	ug/l	99
65) Chlorobenzene	11.44	112	457003	19.55	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	167113	19.64	ug/l	100
67) Ethyl Benzene	11.51	91	762197	20.17	ug/l	100
68) m/p-Xylenes	11.62	106	595368	41.38	ug/l	100
69) o-Xylene	11.95	106	285262	20.58	ug/l	98
70) Styrene	11.97	104	462169	20.51	ug/l	99
71) Bromoform	12.13	173	121645	19.56	ug/l #	98
73) Isopropylbenzene	12.25	105	751011	20.73	ug/l	99
74) N-amyl acetate	12.07	43	232649	19.81	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	209001	19.99	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	177719m	20.34	ug/l	
77) Bromobenzene	12.53	156	197859	20.38	ug/l	100
78) n-propylbenzene	12.59	91	858897	20.94	ug/l	100
79) 2-Chlorotoluene	12.68	91	527489	20.82	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	628987	21.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49787	20.02	ug/l	98
82) 4-Chlorotoluene	12.78	91	523444	20.72	ug/l	99
83) tert-Butylbenzene	12.99	119	532519	20.75	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	636326	21.36	ug/l	100
85) sec-Butylbenzene	13.17	105	707499	20.69	ug/l	100
86) p-Isopropyltoluene	13.29	119	609194	20.78	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	341694	19.76	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	334671	19.38	ug/l	98
89) n-Butylbenzene	13.62	91	480032	19.24	ug/l	100
90) Hexachloroethane	13.88	117	104172	19.99	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	338559	19.53	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32693	18.42	ug/l	98

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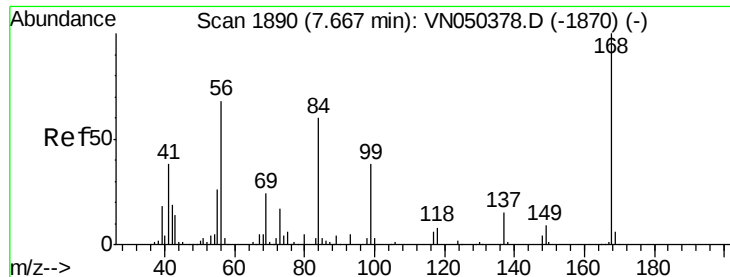
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162203	18.37	ug/l	96
94) Hexachlorobutadiene	15.01	225	101155	19.99	ug/l	98
95) Naphthalene	15.14	128	368961	18.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	161209	18.06	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

Tot Ion:168 Resp: 687723

Ion Ratio Lower Upper

168 100

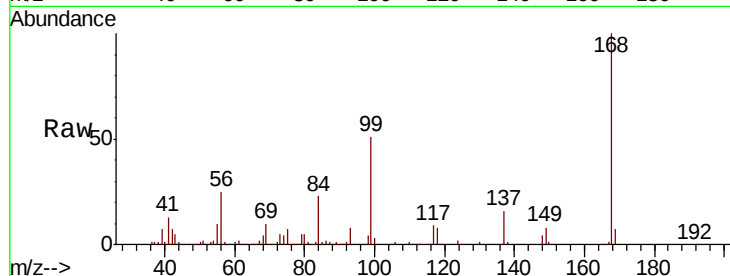
99 50.7 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

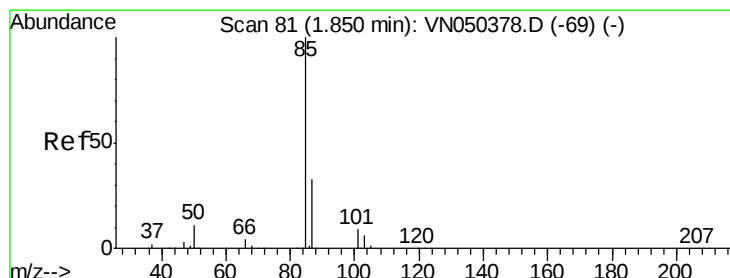
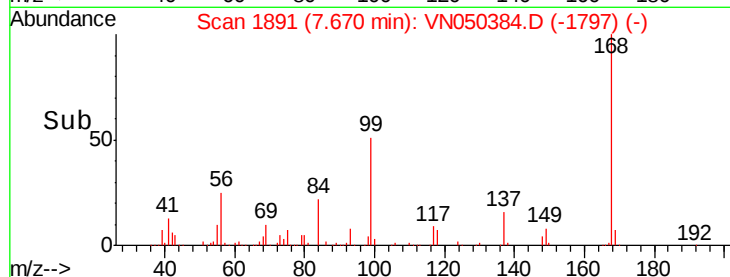
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.62 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050384.D

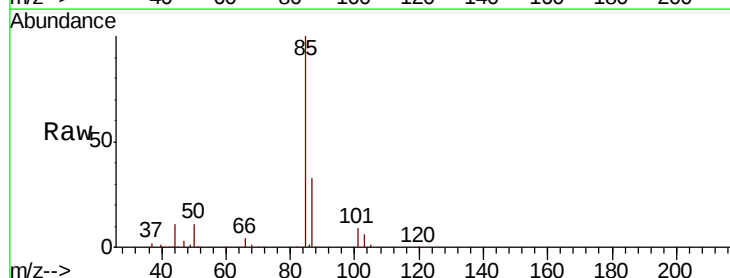
Acq: 6 Aug 2018 15:26

Tgt Ion: 85 Resp: 149799

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

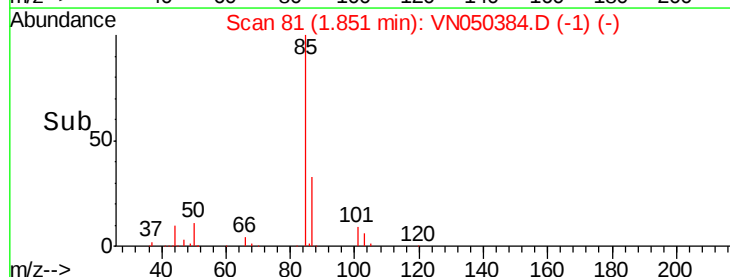
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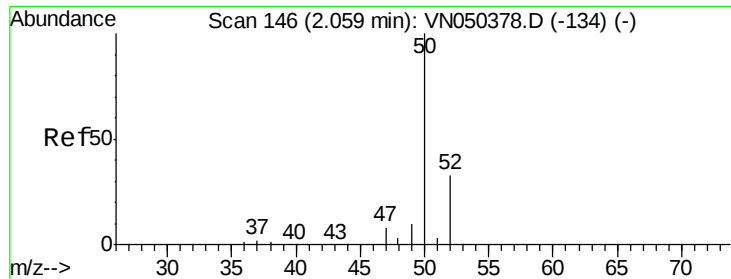
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.57 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

Tot Ion: 50 Resp: 193367

Ion Ratio Lower Upper

50 100

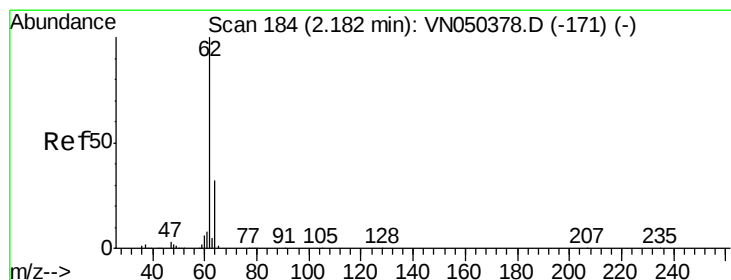
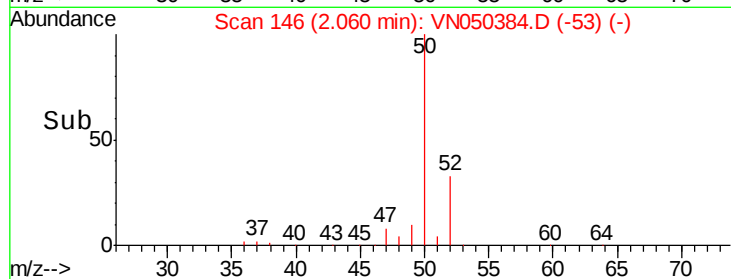
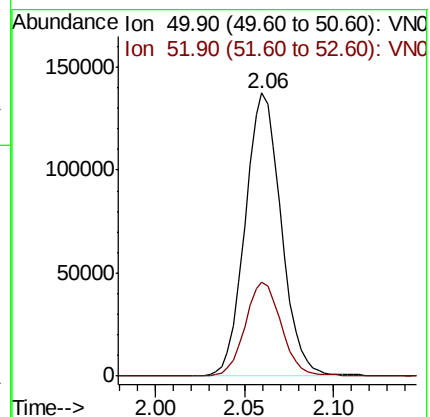
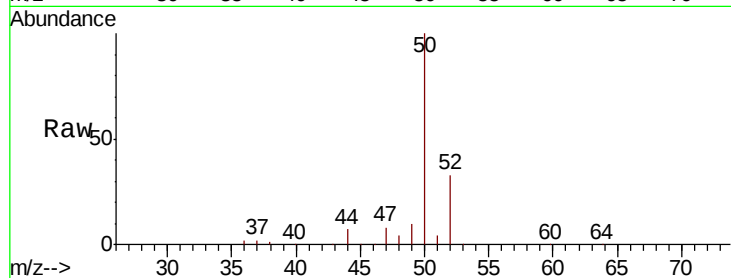
52 33.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.12 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050384.D

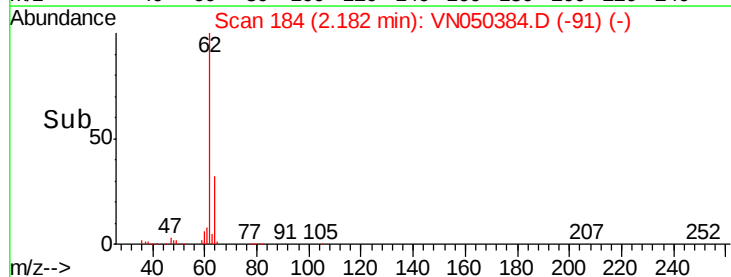
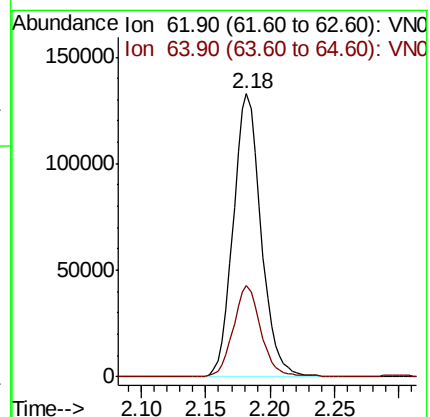
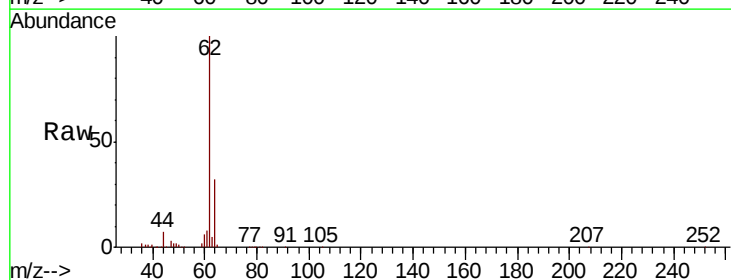
Acq: 6 Aug 2018 15:26

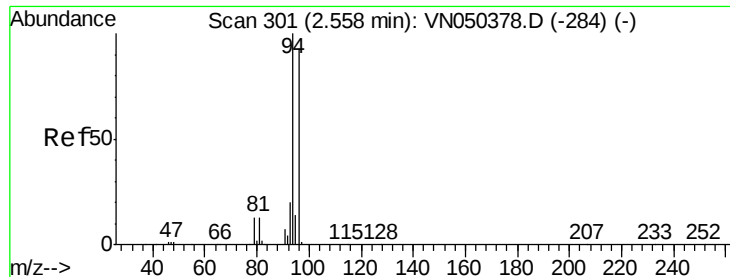
Tgt Ion: 62 Resp: 198830

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 20.21 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

Tot Ion: 94 Resp: 96319

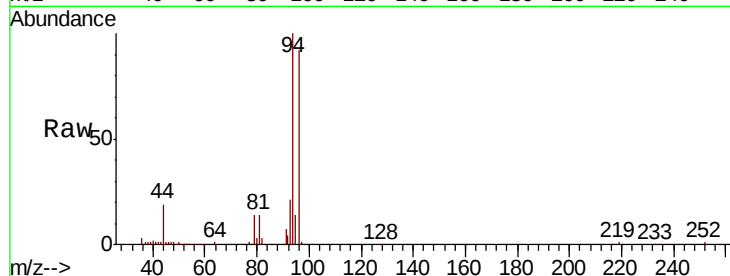
Ion Ratio Lower Upper

94 100

96 92.2 74.6 112.0

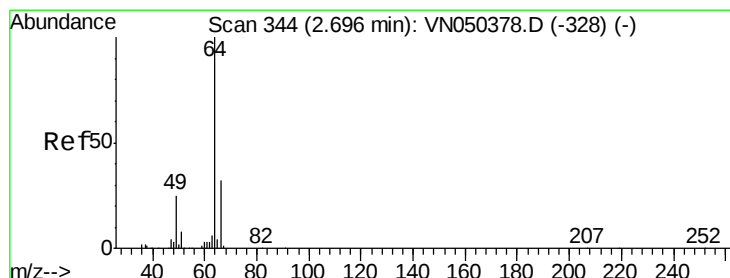
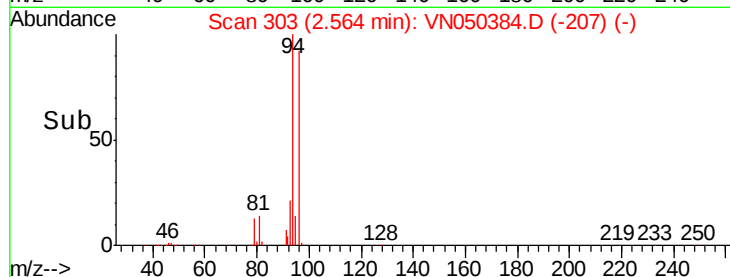
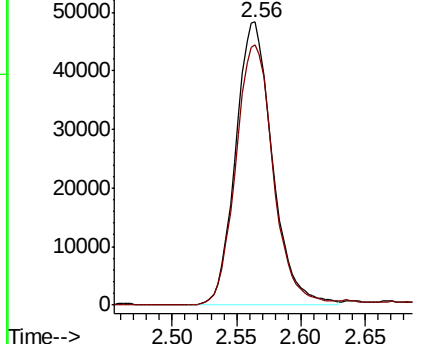
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.69 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050384.D

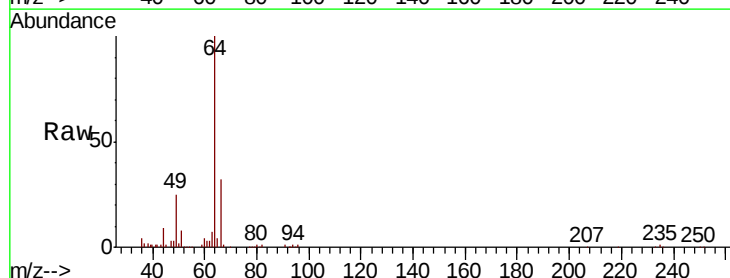
Acq: 6 Aug 2018 15:26

Tgt Ion: 64 Resp: 119895

Ion Ratio Lower Upper

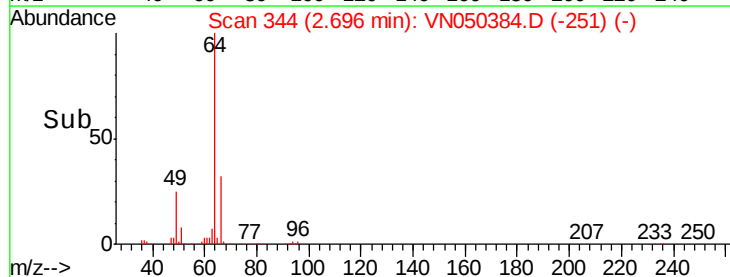
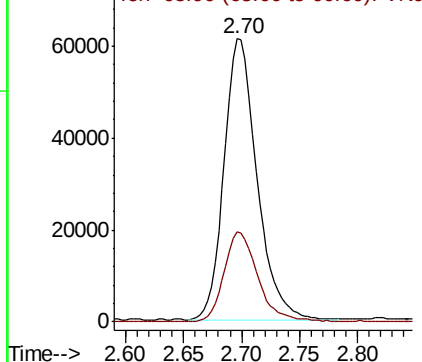
64 100

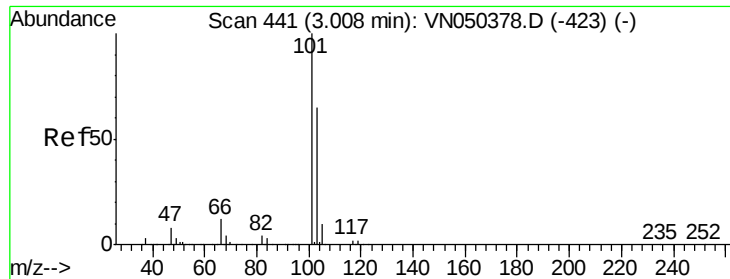
66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

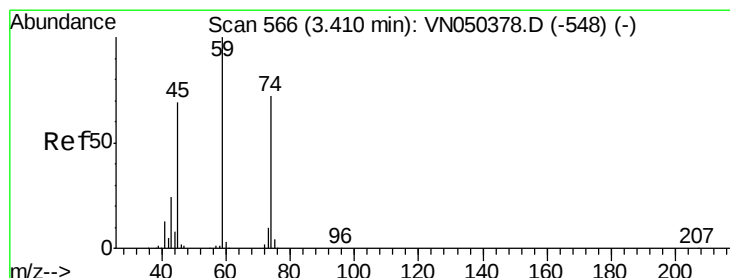
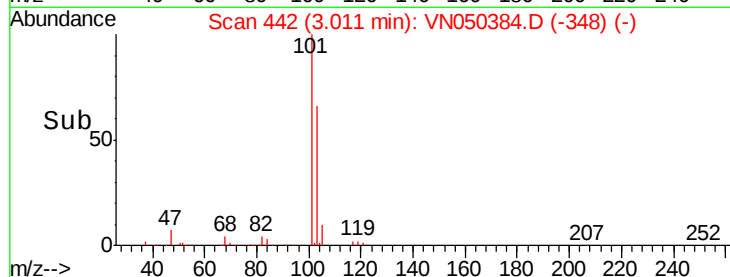
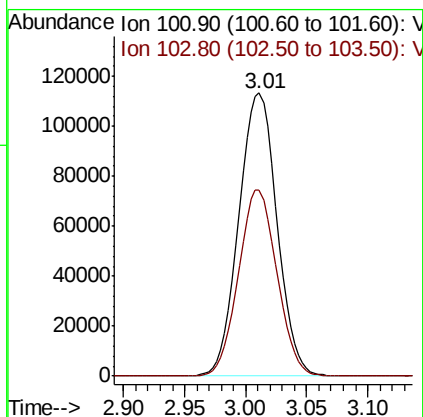
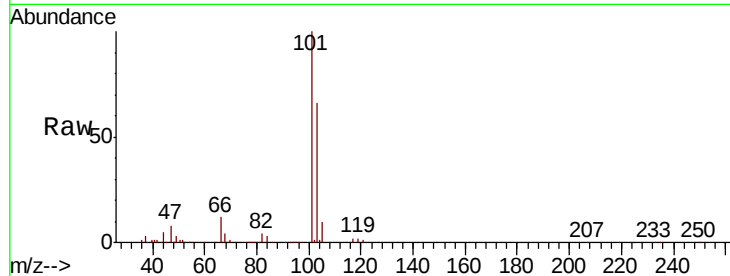
Trichlorofluoromethane
 Concen: 19.23 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Instrument :
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 ClientSampleId :
 VN0806WBSD01

Tot Ion:101 Resp: 245374
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.7 77.5

Manual Integrations
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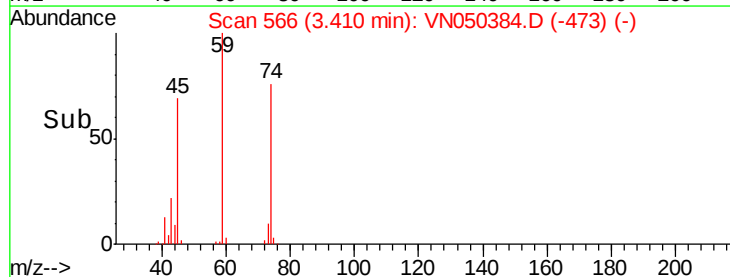
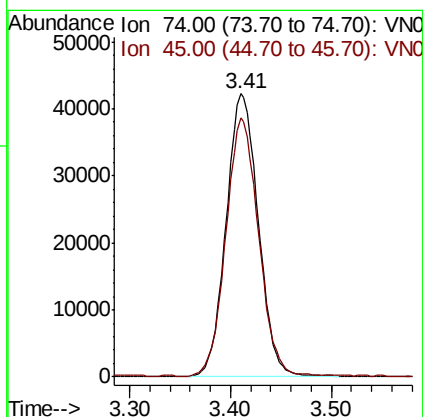
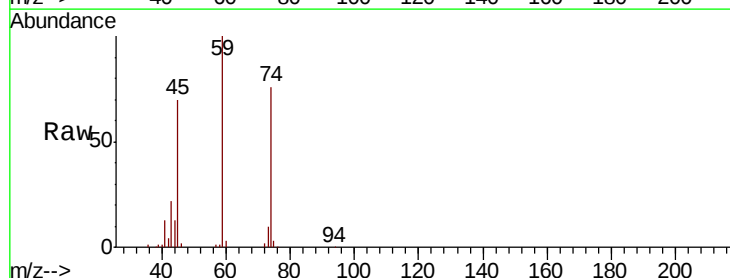
MMDadoda
 8/7/2018 9:59:01 AM

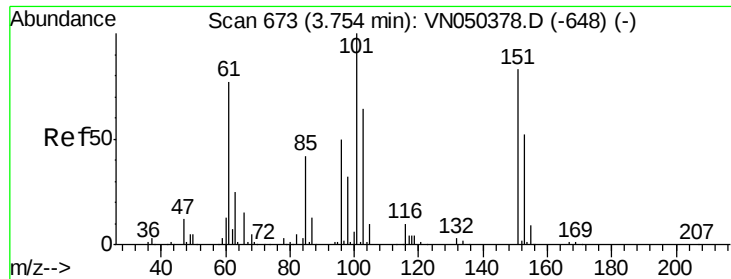


#8

Diethyl Ether
 Concen: 20.09 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion: 74 Resp: 94030
 Ion Ratio Lower Upper
 74 100
 45 93.5 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.32 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

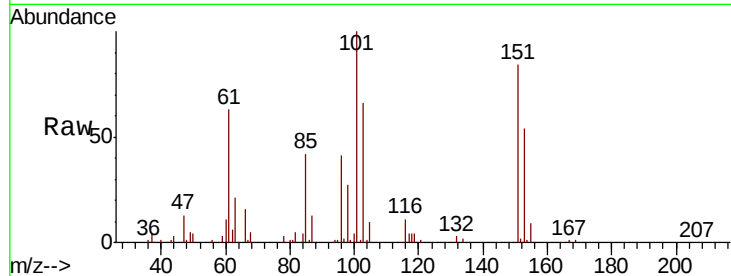
ClientSampleId :

VN0806WBSD01

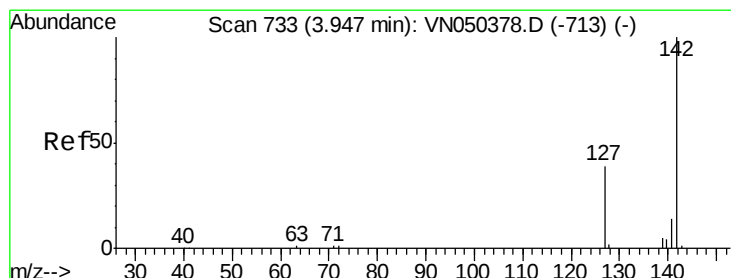
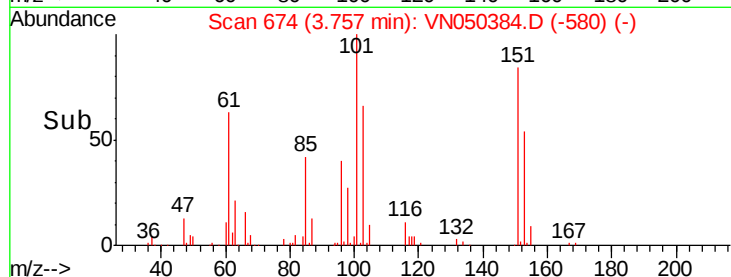
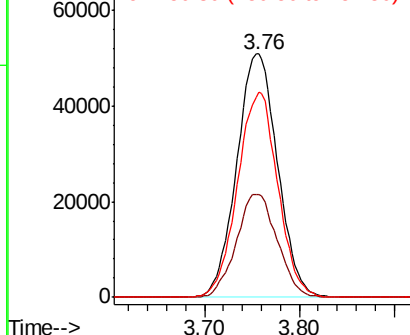
Tot Ion:	101	Resp:	152382
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	83.0	66.3	99.5

Manual Integrations
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8/7/2018 9:59:01 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.32 ug/l

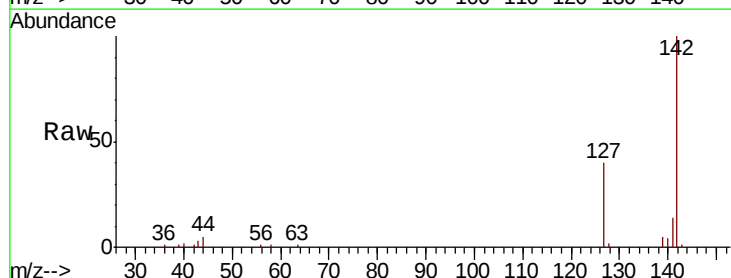
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

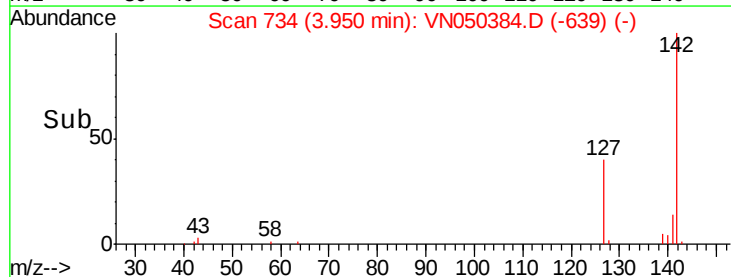
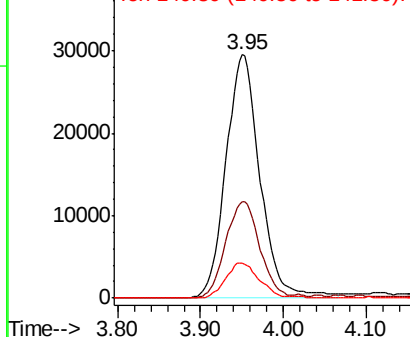
Lab File: VN050384.D

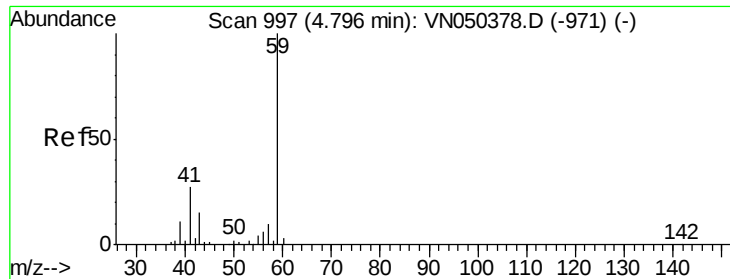
Acq: 6 Aug 2018 15:26

Tgt Ion:	142	Resp:	84510
Ion Ratio	Lower	Upper	
142	100		
127	39.4	33.4	50.2
141	14.1	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

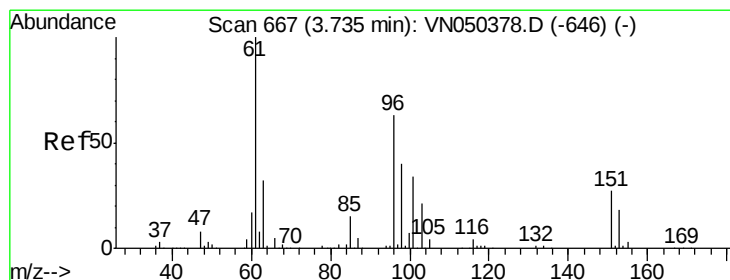
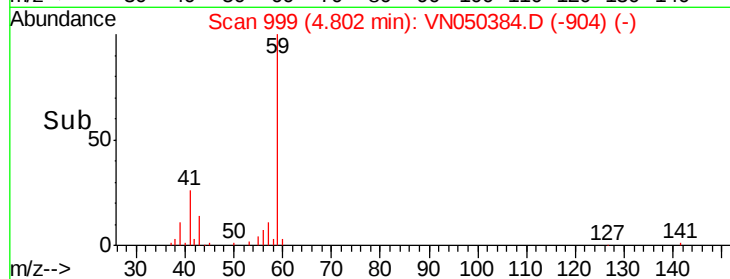
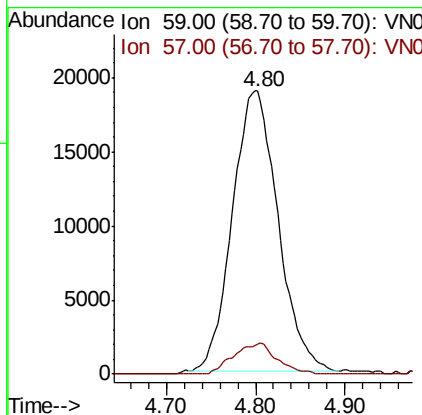
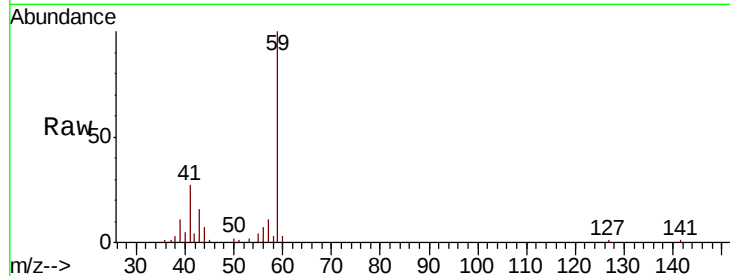
Tert butyl alcohol
 Concen: 91.12 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBSD01

Tot Ion	59	Resp	67260
Ion Ratio	100	Lower	Upper
57	10.4	8.5	12.7

Manual Integrations
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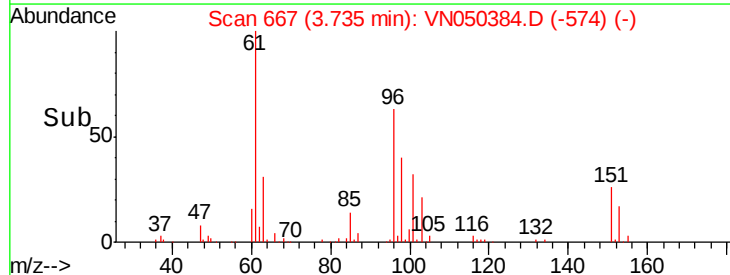
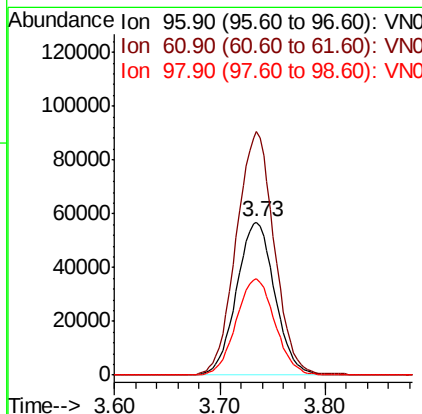
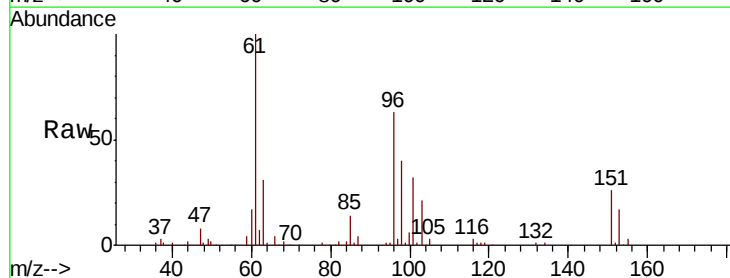
MMDadoda
 8/7/2018 9:59:01 AM

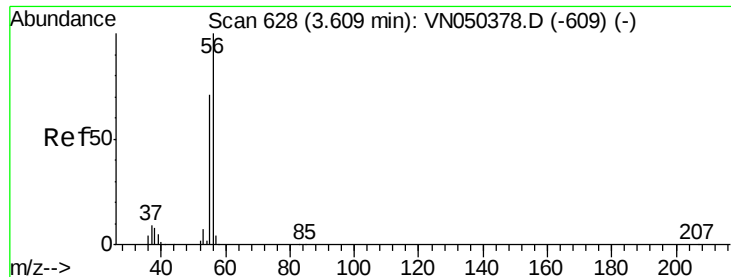


#12

1,1-Dichloroethene
 Concen: 19.27 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion	96	Resp	143238
Ion Ratio	100	Lower	Upper
61	159.3	124.4	186.6
98	62.9	48.3	72.5





#13

Acrolein

Concen: 108.37 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

Tot Ion: 56 Resp: 95377

Ion Ratio Lower Upper

56 100

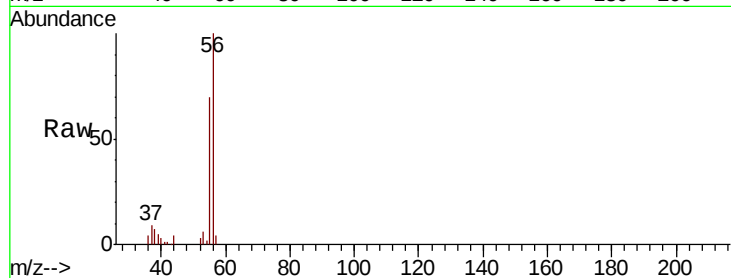
55 70.4 55.8 83.6

Manual Integrations

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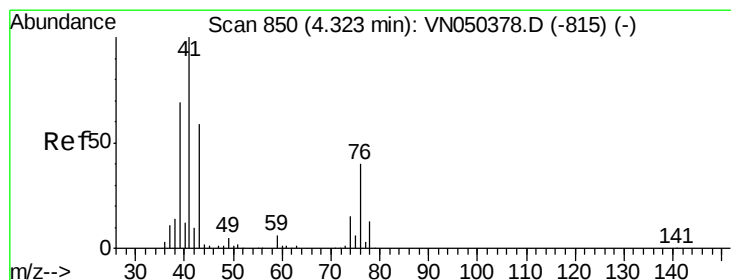
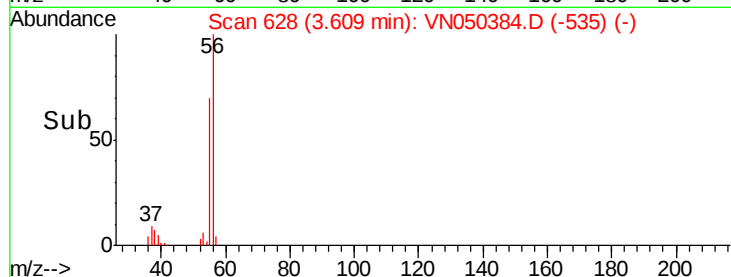
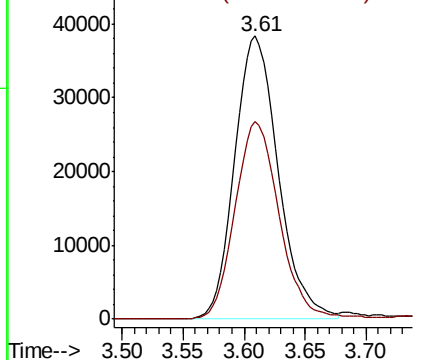
MMDadoda

8/7/2018 9:59:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.39 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

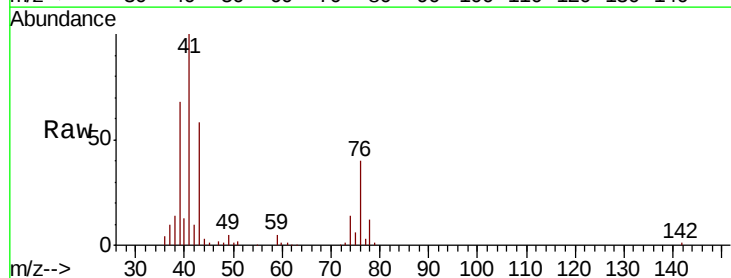
Tgt Ion: 41 Resp: 231570

Ion Ratio Lower Upper

41 100

39 65.6 54.2 81.4

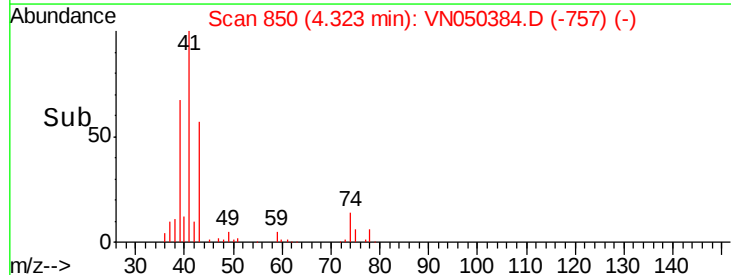
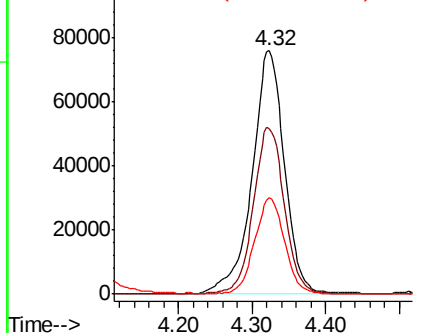
76 35.9 29.0 43.6

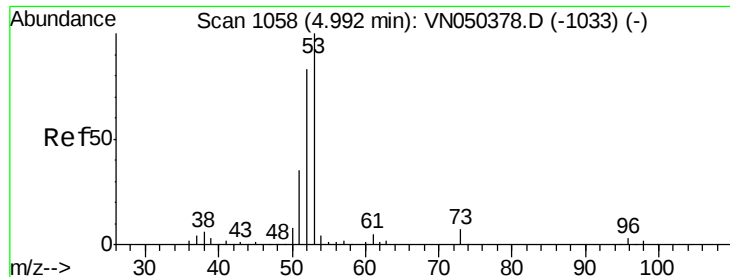


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





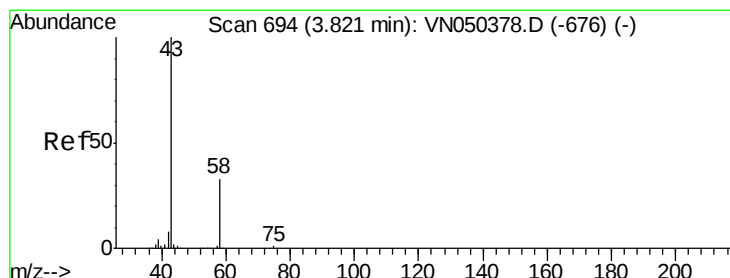
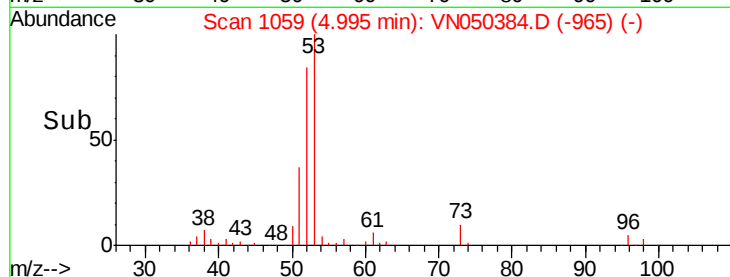
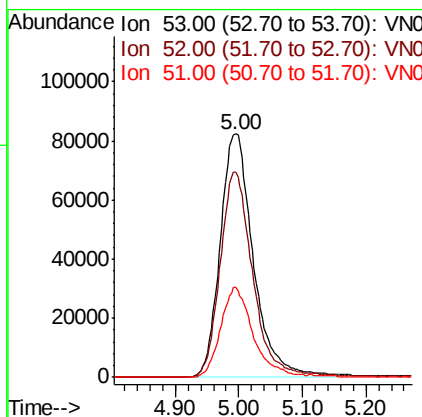
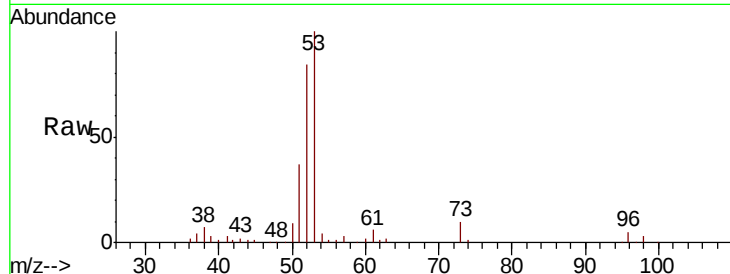
#15
 Acrylonitrile
 Concen: 96.64 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.2
51	36.2	29.3	43.9

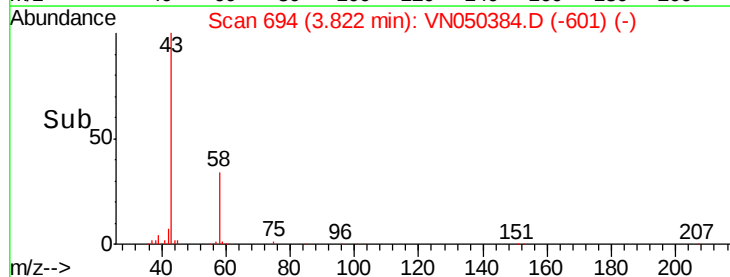
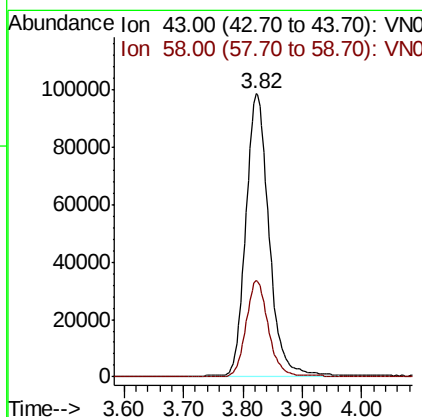
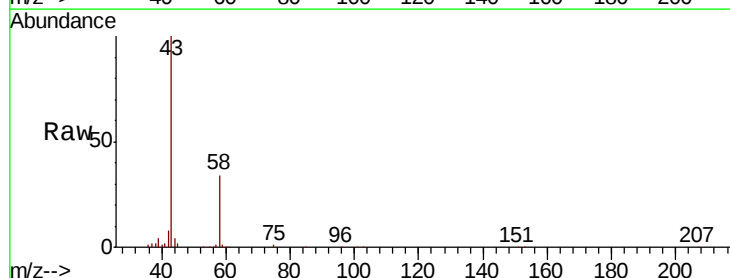
Manual Integrations
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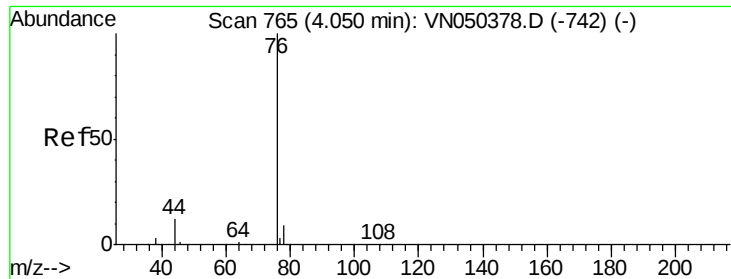
MMDadoda
 8/7/2018 9:59:01 AM



#16
 Acetone
 Concen: 98.43 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.8	38.8





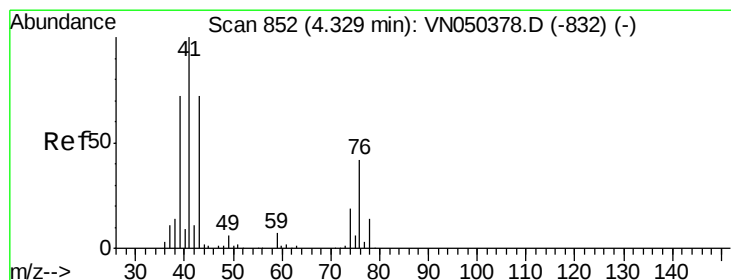
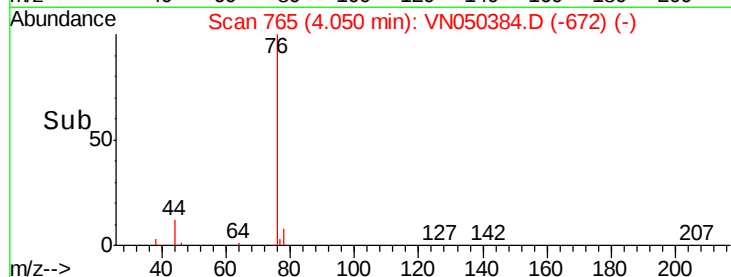
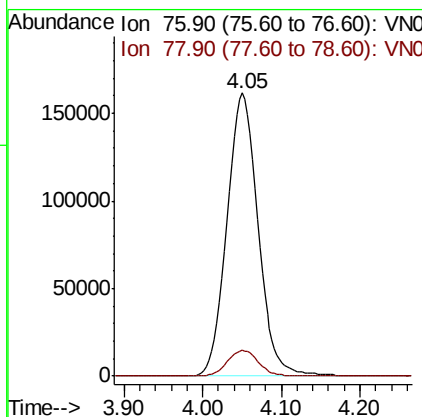
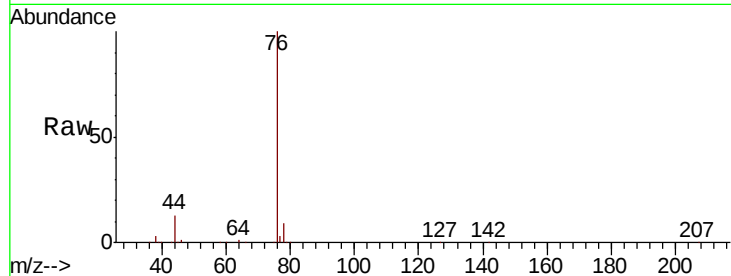
#17
Carbon Disulfide
Concen: 18.33 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

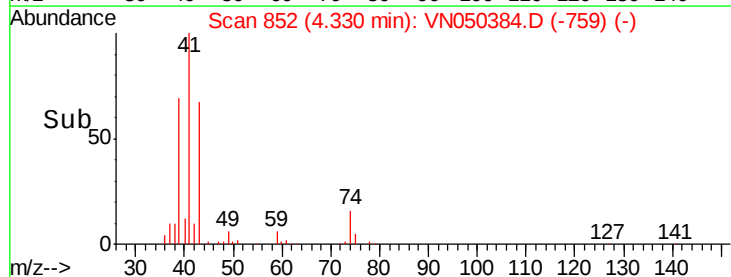
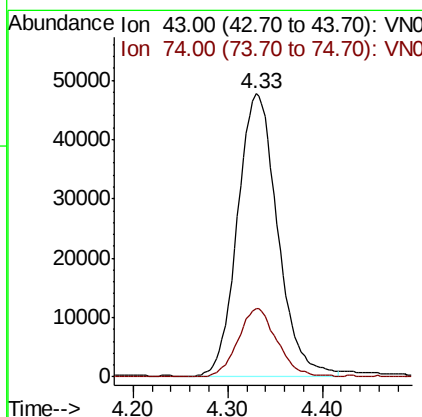
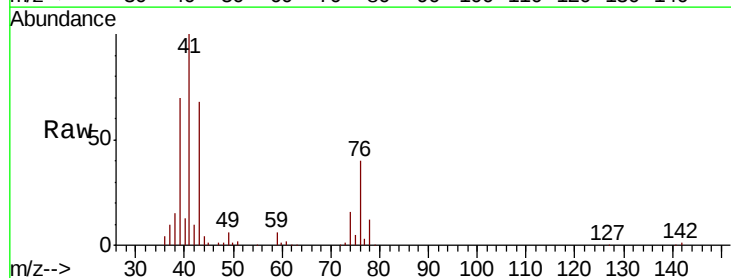
Manual Integrations
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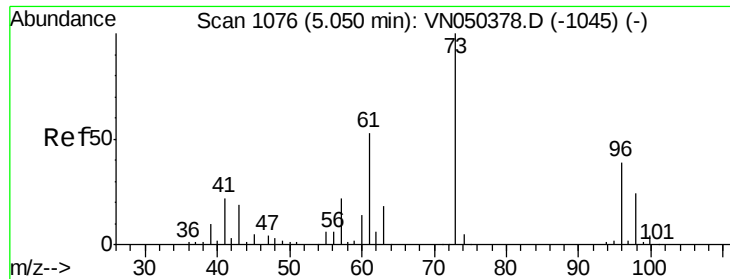
MMDadoda
8/7/2018 9:59:01 AM



#18
Methyl Acetate
Concen: 19.68 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8





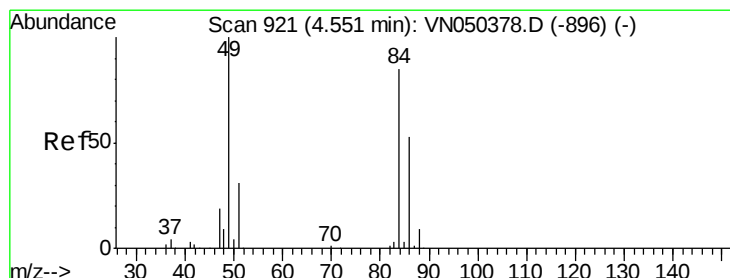
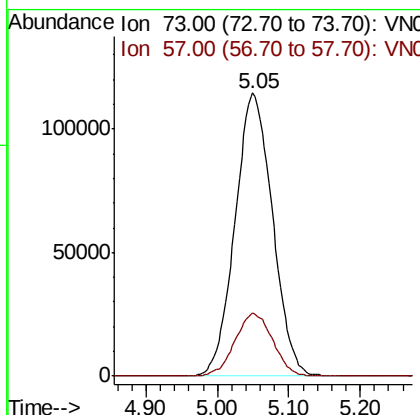
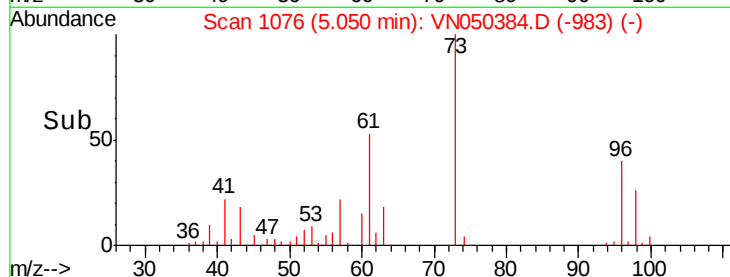
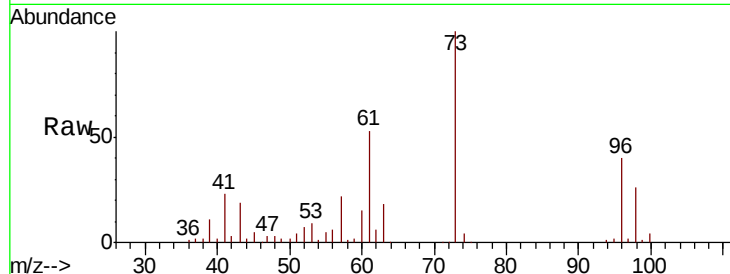
#19
Methyl tert-butyl Ether
Concen: 19.85 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion: 73 Resp: 418846
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0

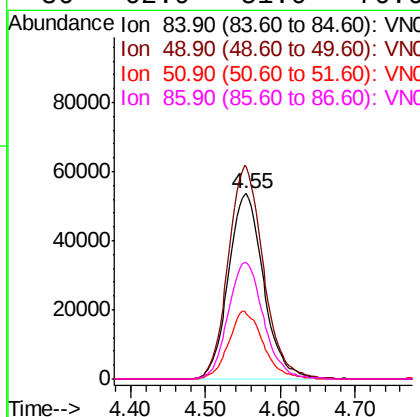
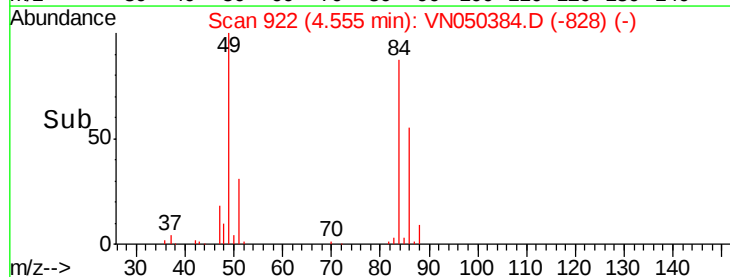
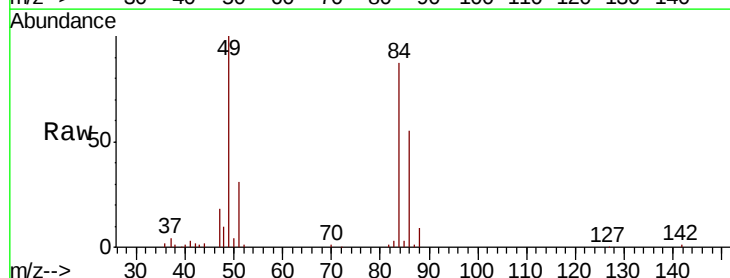
Manual Integrations
APPROVED

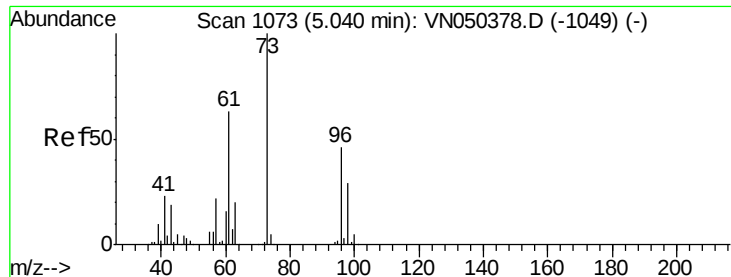
MMDadoda
8/7/2018 9:59:01 AM



#20
Methylene Chloride
Concen: 19.95 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 84 Resp: 175011
Ion Ratio Lower Upper
84 100
49 115.0 94.8 142.2
51 35.1 28.3 42.5
86 62.9 51.0 76.6





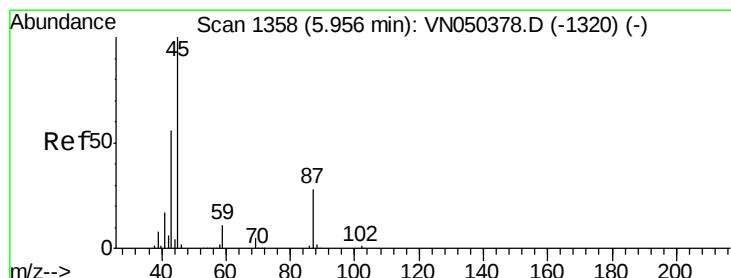
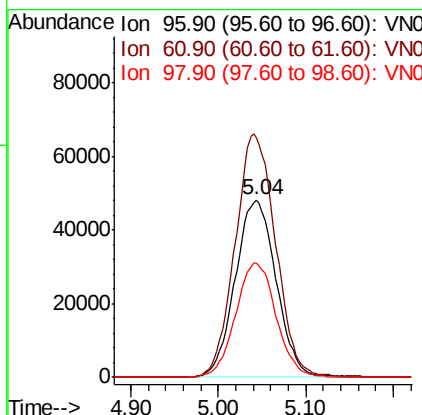
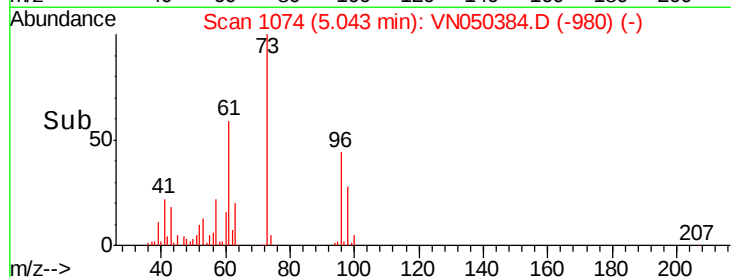
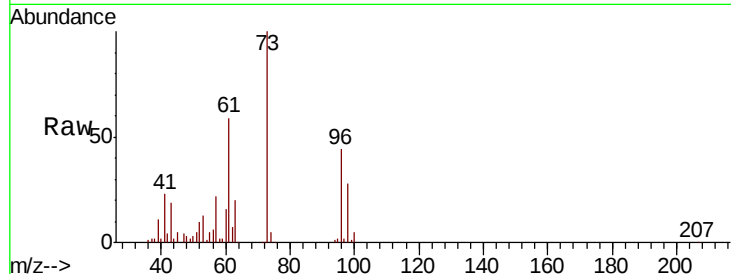
#21
trans-1,2-Dichloroethene
Concen: 19.42 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.4	110.7	166.1
98	64.4	51.6	77.4

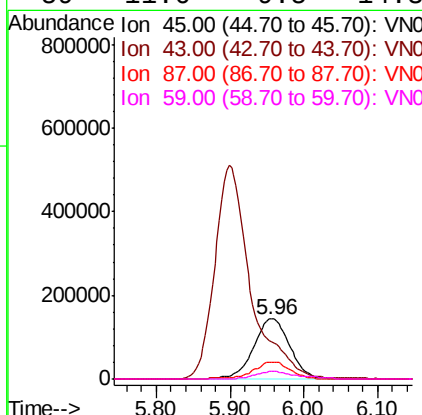
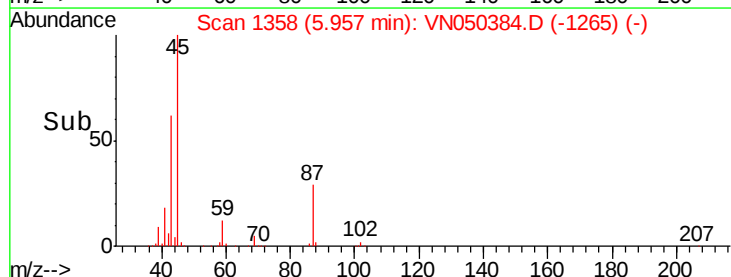
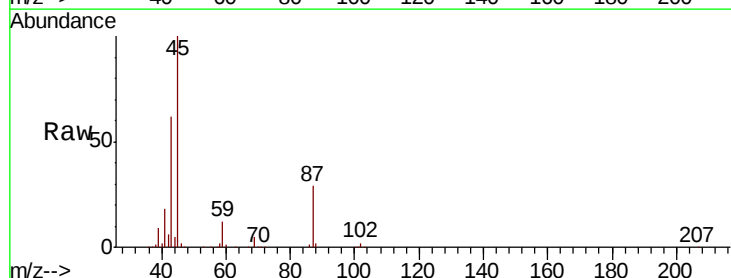
Manual Integrations
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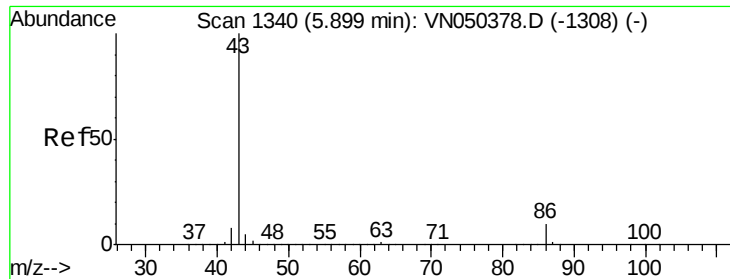
MMDadoda
8/7/2018 9:59:01 AM



#22
Diisopropyl ether
Concen: 20.14 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	45.7	68.5
87	28.6	22.7	34.1
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 99.44 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

Tot Ion: 43 Resp: 1730606

Ion Ratio Lower Upper

43 100

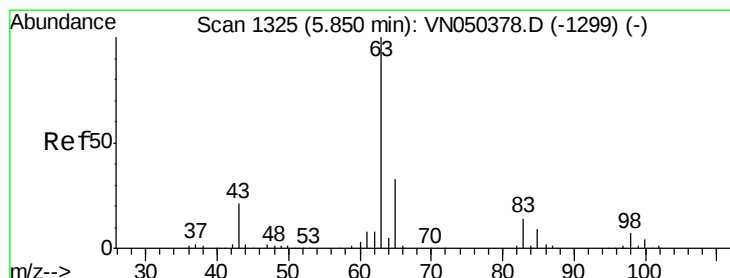
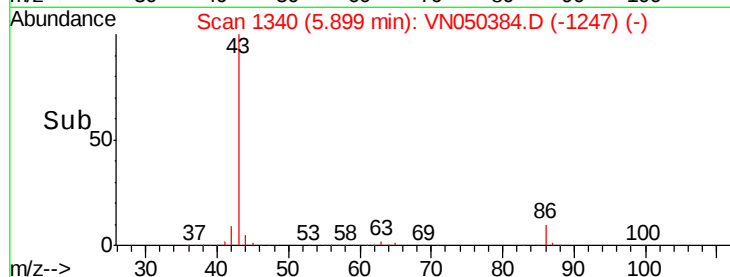
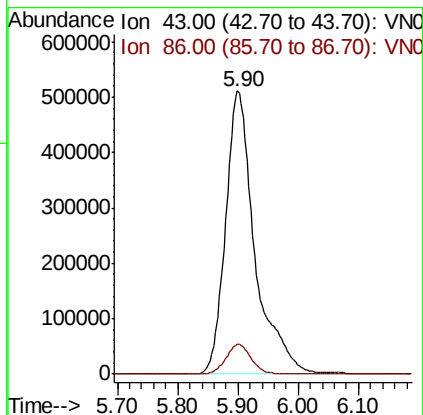
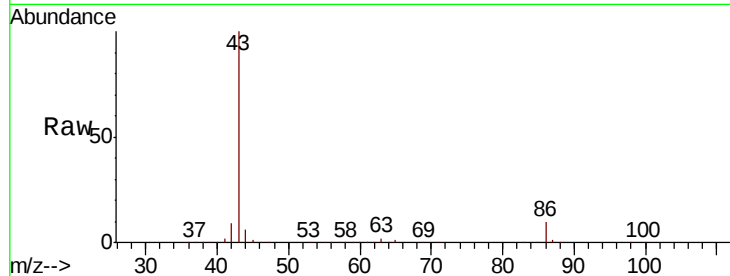
86 10.4 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

8/7/2018 9:59:01 AM



#24

1,1-Dichloroethane

Concen: 19.62 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

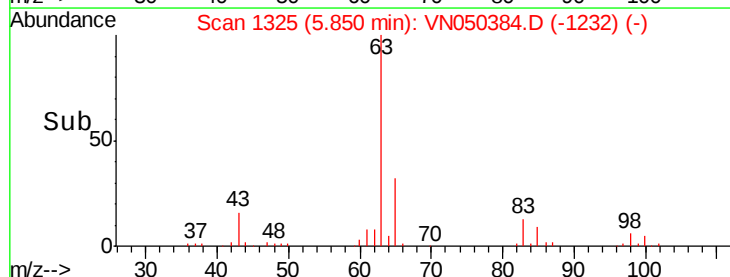
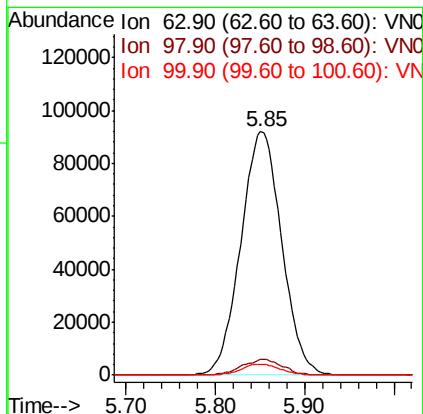
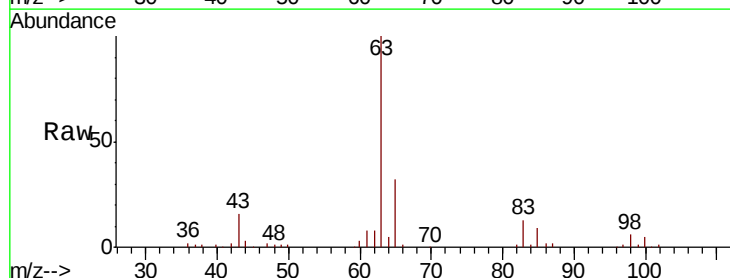
Tgt Ion: 63 Resp: 293662

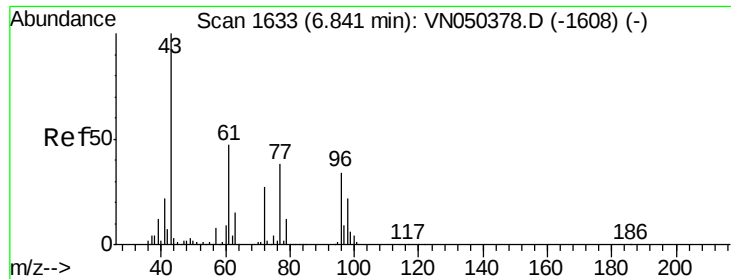
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.6 2.1 6.3





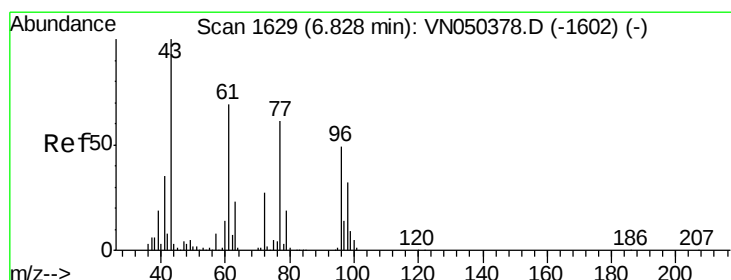
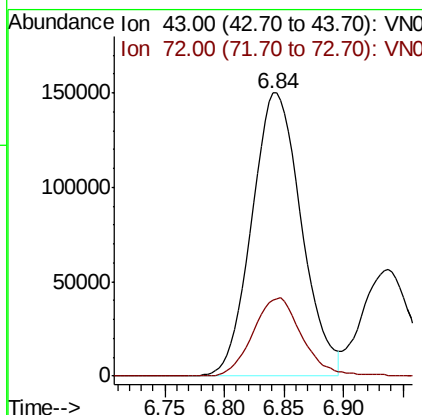
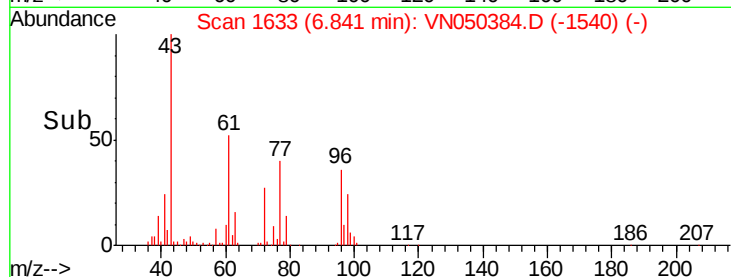
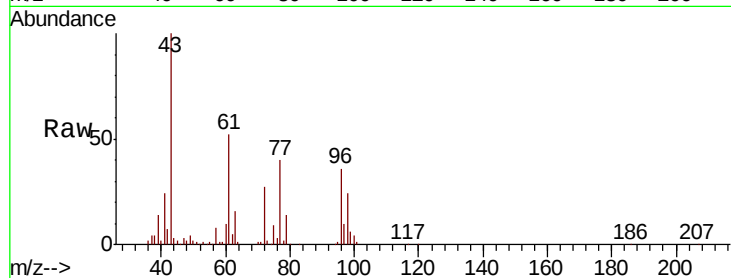
#25
2-Butanone
Concen: 94.76 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD01

Tot Ion: 43 Resp: 431483
Ion Ratio Lower Upper
43 100
72 27.0 21.5 32.3

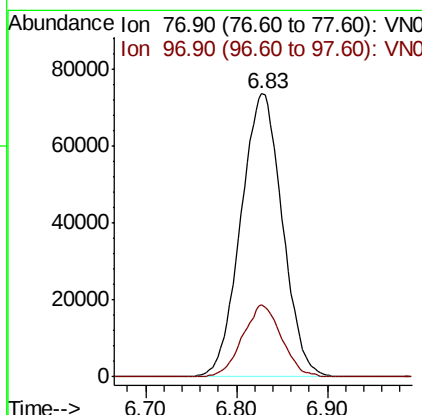
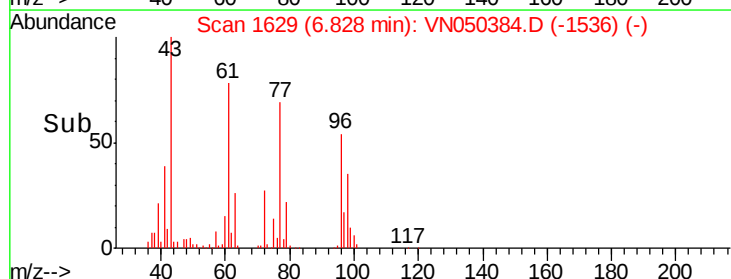
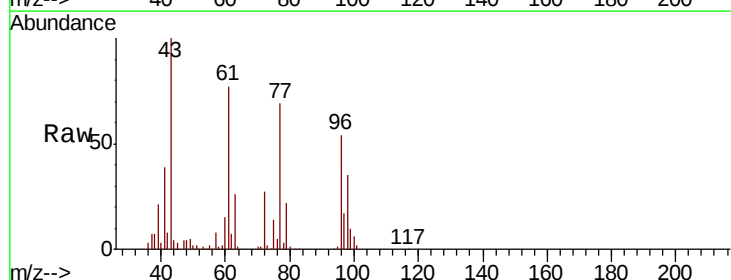
Manual Integrations
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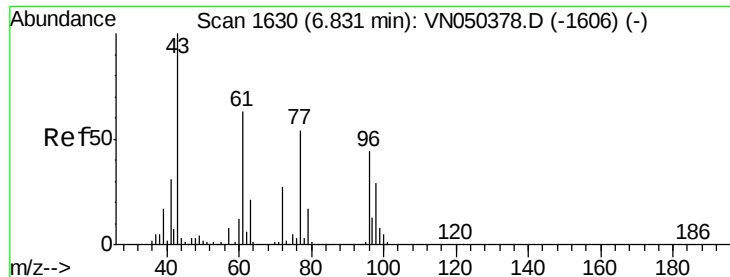
MMDadoda
8/7/2018 9:59:01 AM



#26
2,2-Dichloropropane
Concen: 18.94 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 77 Resp: 233692
Ion Ratio Lower Upper
77 100
97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.54 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050384.D

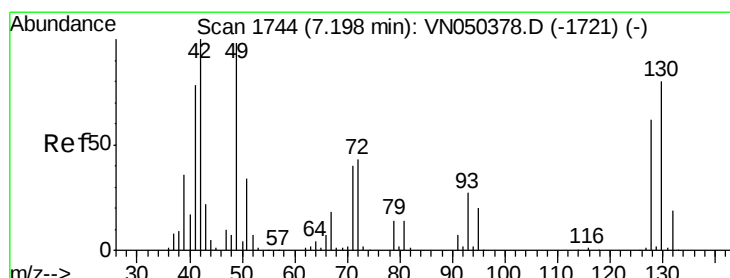
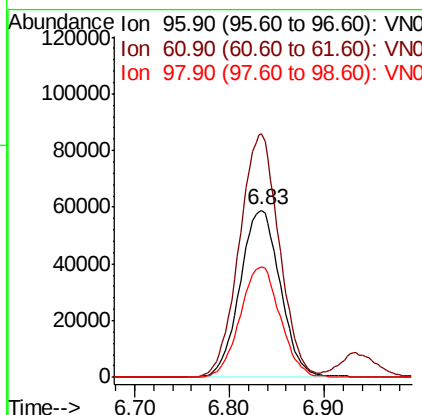
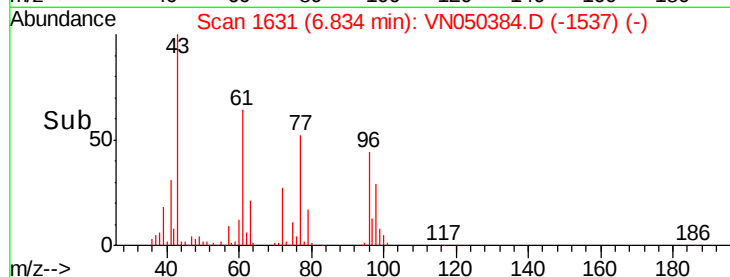
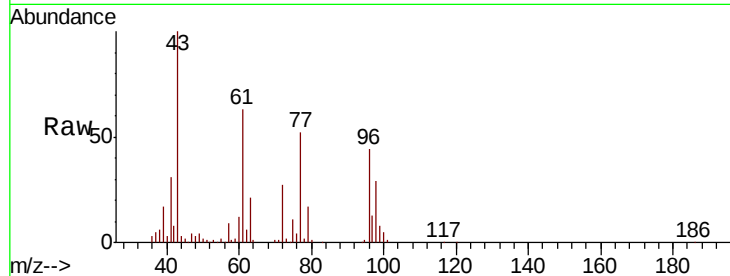
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	174291		
61	144.4	0.0	285.0	
98	66.0	0.0	129.2	

Manual Integrations
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8/7/2018 9:59:01 AM



#28

Bromochloromethane

Concen: 19.02 ug/l

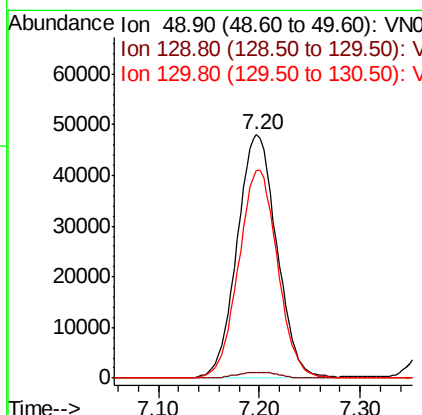
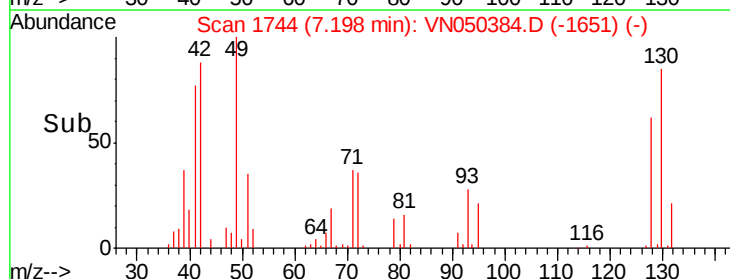
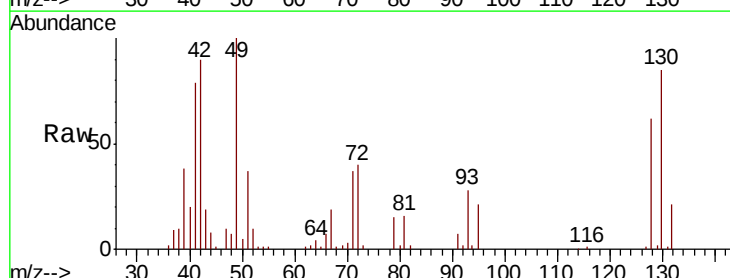
RT: 7.20 min Scan# 1744

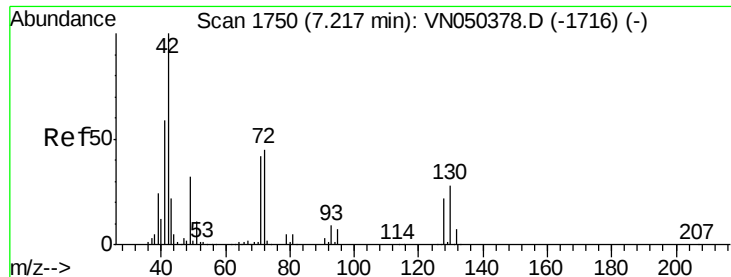
Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131009		
129	2.4	0.0	4.0	
130	83.9	66.3	99.5	





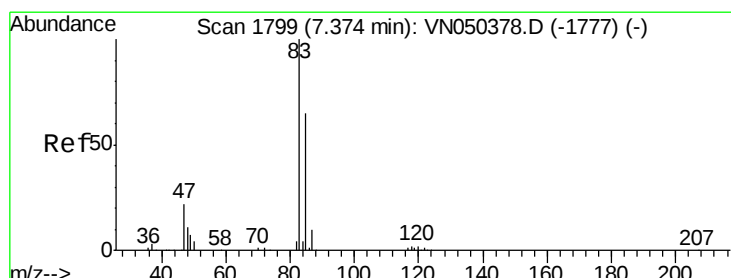
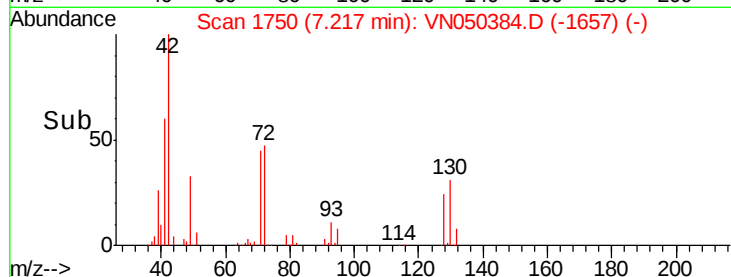
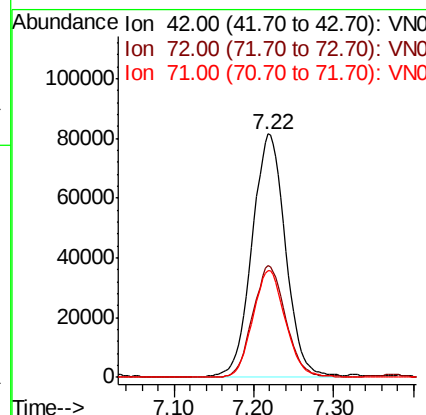
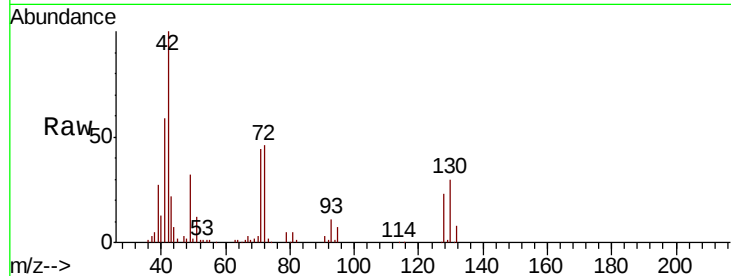
#29
Tetrahydrofuran
Concen: 94.58 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.9	53.9
71	43.2	33.7	50.5

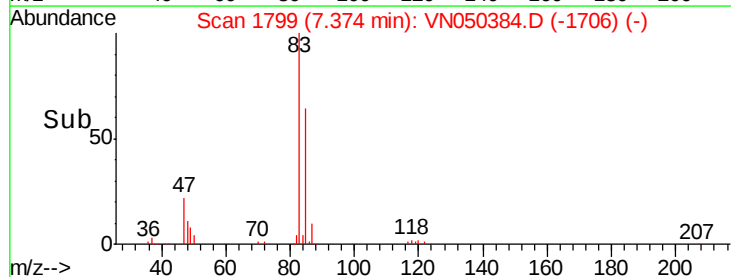
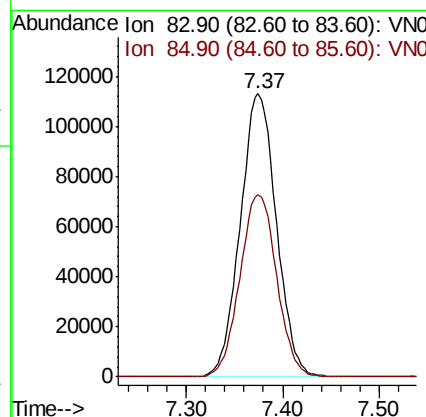
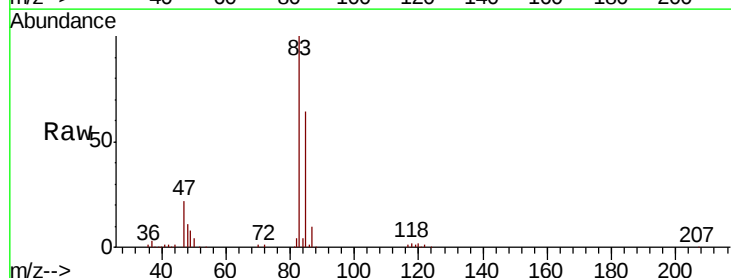
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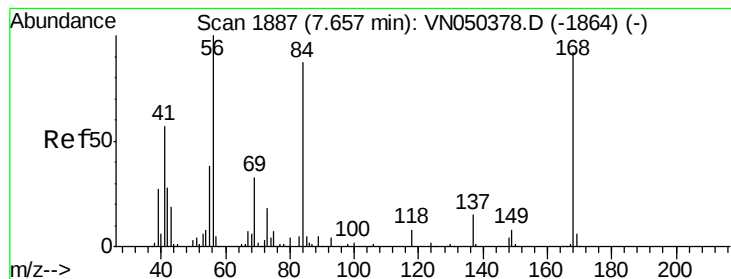
MMDadoda
8/7/2018 9:59:01 AM



#30
Chloroform
Concen: 19.64 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7





#31

Cyclohexane

Concen: 19.10 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

Tot Ion: 56 Resp: 256671

Ion Ratio Lower Upper

56 100

69 35.6 26.2 39.4

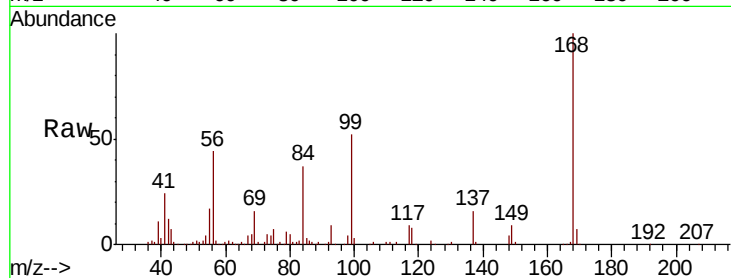
84 84.1 67.4 101.0

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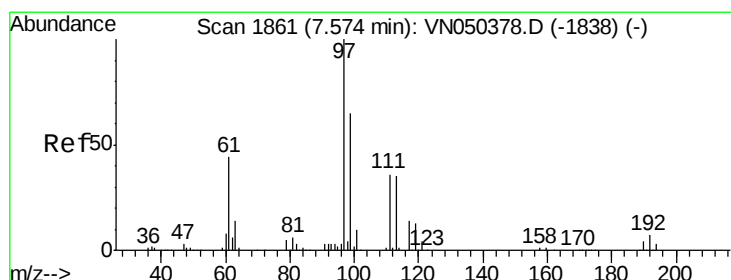
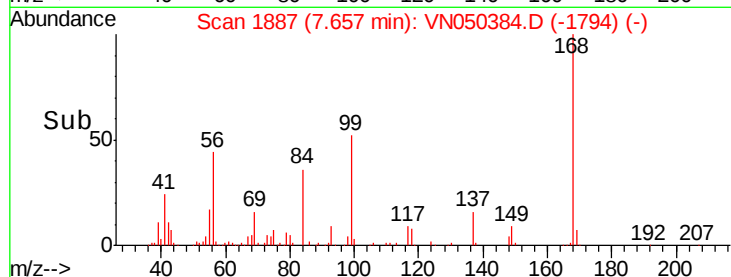
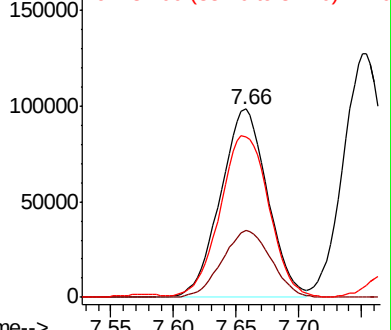
8/7/2018 9:59:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.63 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

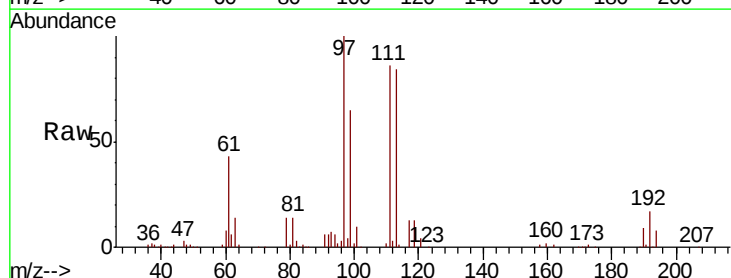
Tgt Ion: 97 Resp: 252220

Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

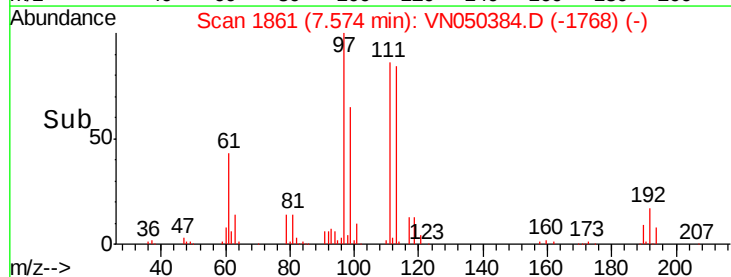
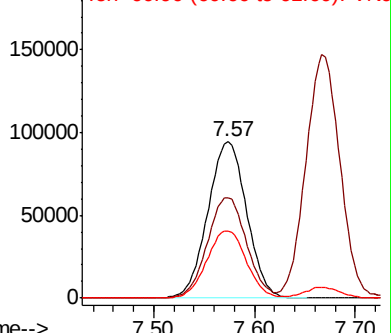
61 43.9 35.4 53.0

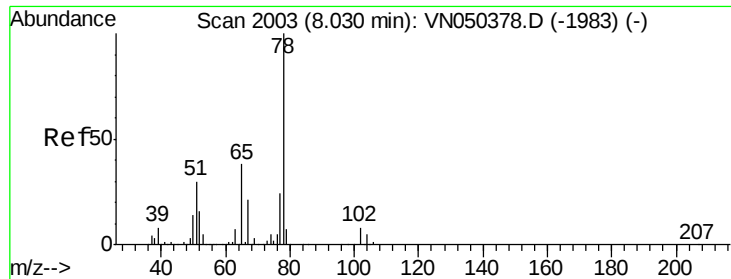


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





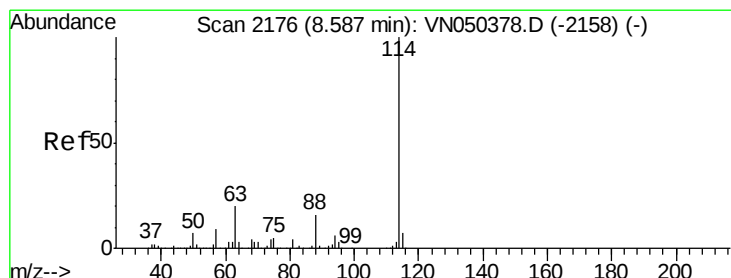
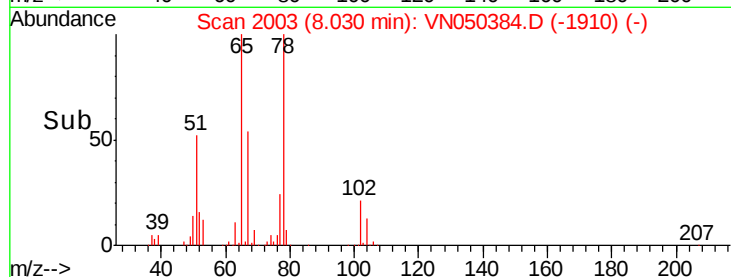
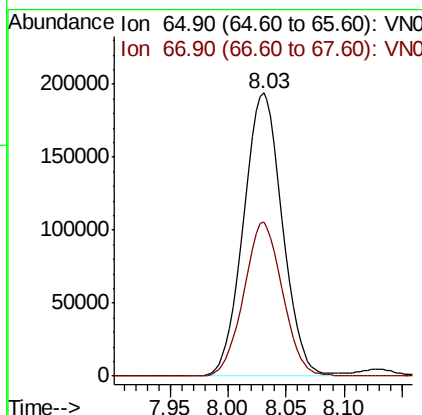
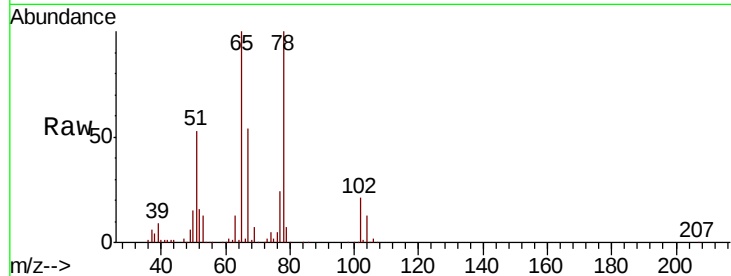
#33
 1,2-Dichloroethane-d4
 Concen: 49.29 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	108.4	

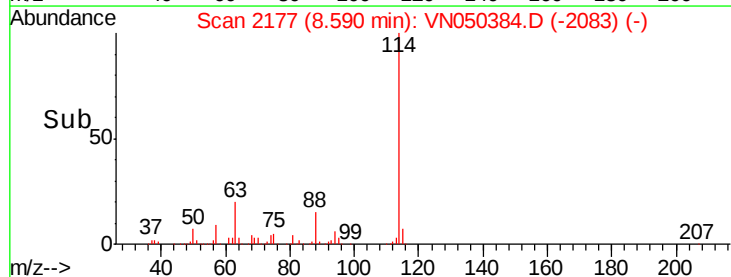
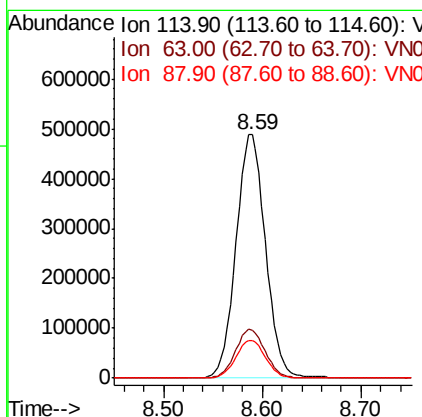
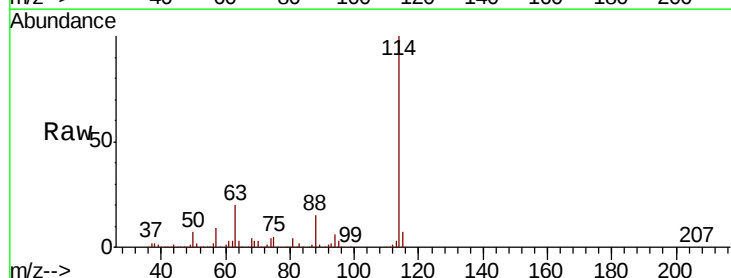
Manual Integrations
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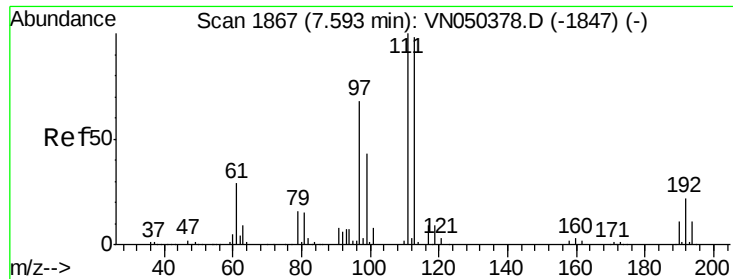
MMDadoda
 8/7/2018 9:59:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	40.0	
88	15.4	0.0	31.2	





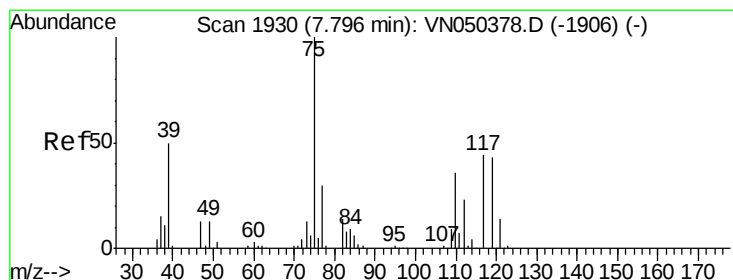
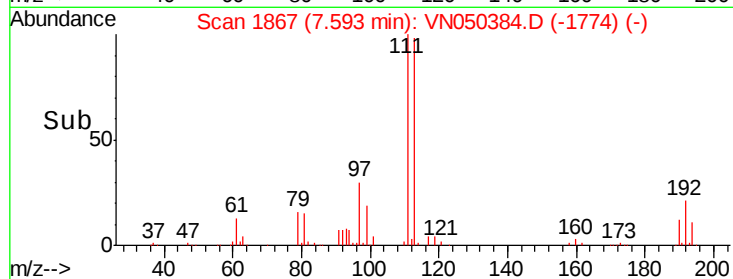
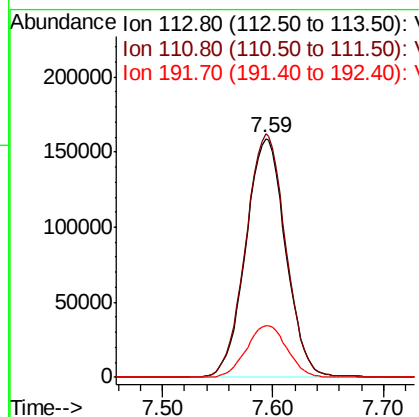
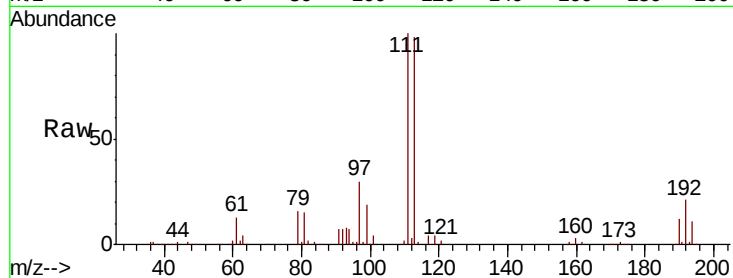
#35
 Dibromofluoromethane
 Concen: 48.97 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	80.7	121.1	
192	22.1	17.8	26.6	

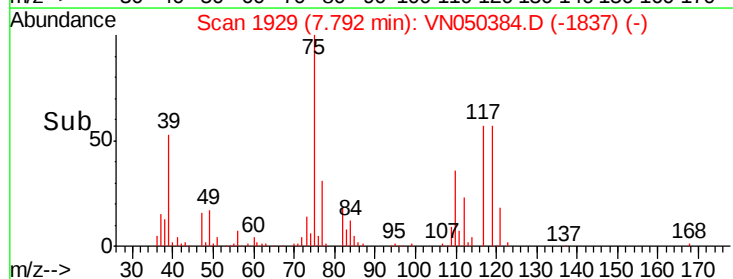
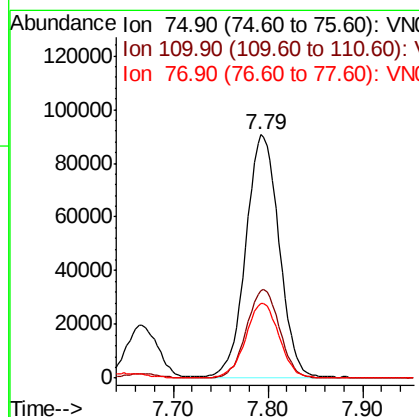
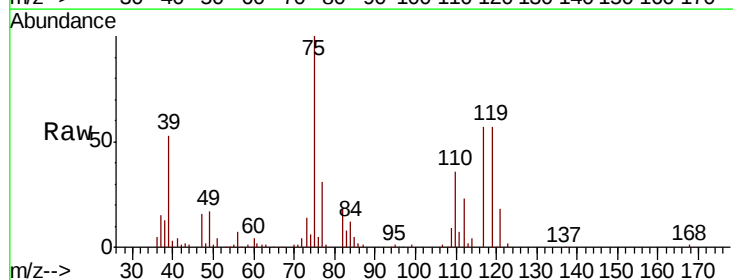
Manual Integrations
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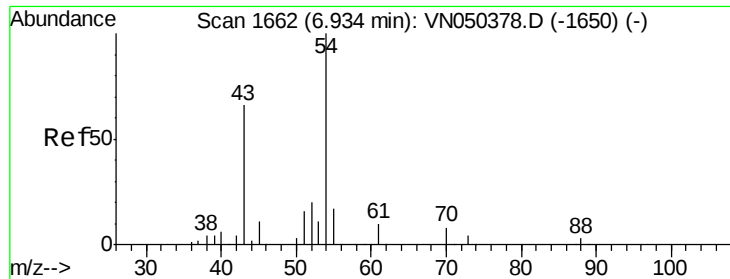
MMDadoda
 8/7/2018 9:59:01 AM



#36
 1,1-Dichloropropene
 Concen: 19.81 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.4	55.2	
77	30.4	25.3	37.9	





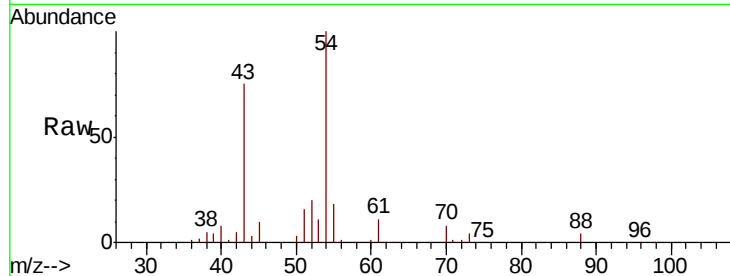
#37
Ethyl Acetate
Concen: 20.37 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.8
70	10.8	8.4	12.6

Manual Integrations
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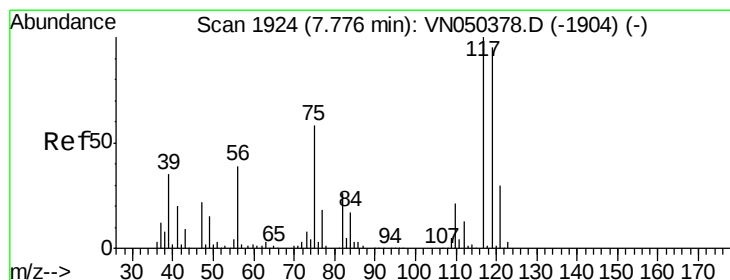
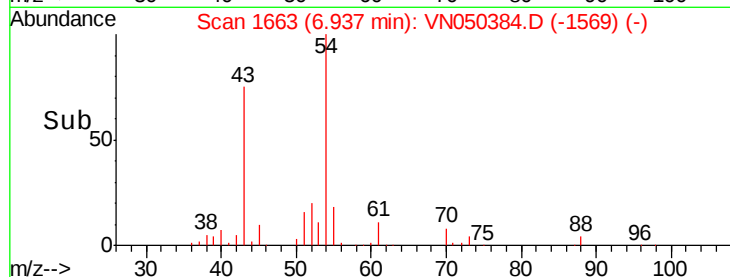
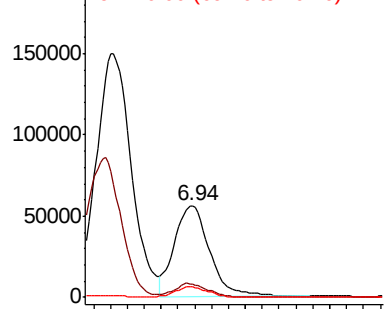


Abundance

Ion 43.00 (42.70 to 43.70): VN0

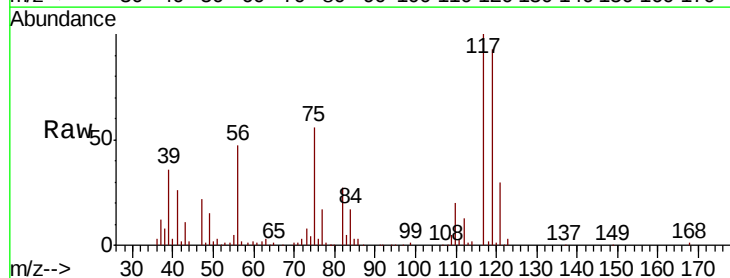
Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38
Carbon Tetrachloride
Concen: 19.12 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.4	116.0
121	30.1	23.9	35.9

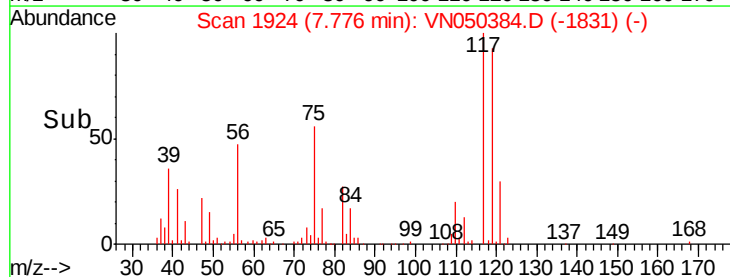
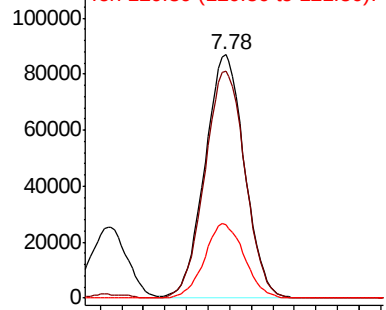


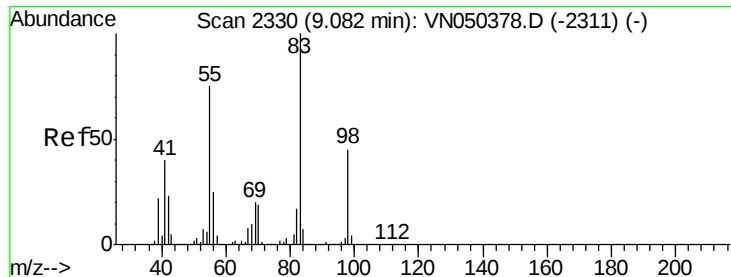
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





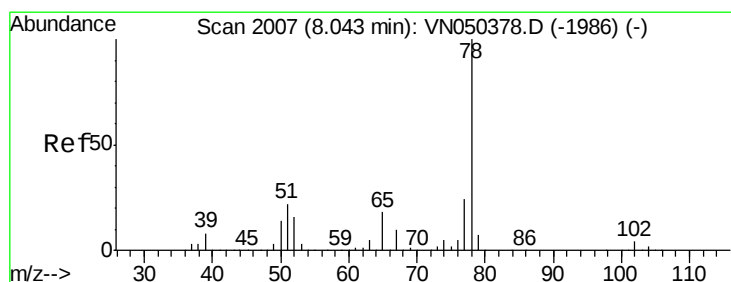
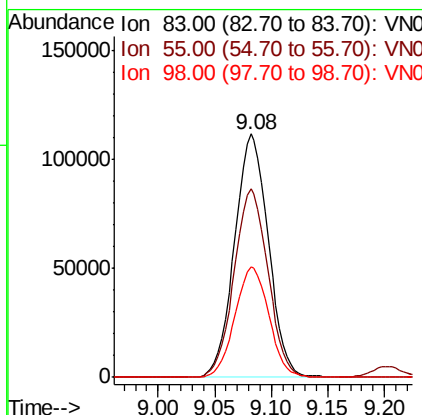
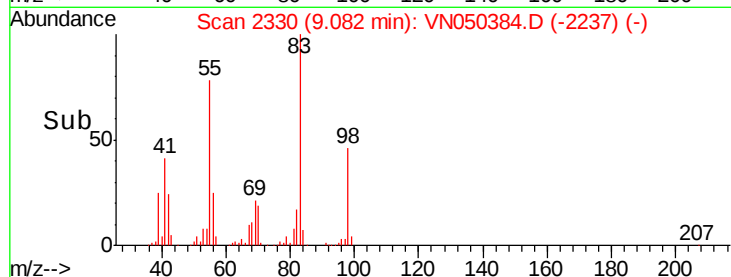
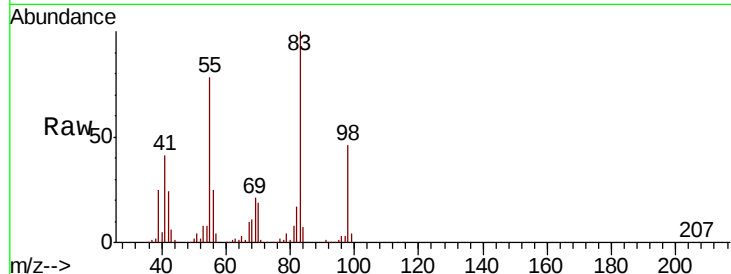
#39
Methvlcvclohexane
Concen: 19.13 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.5	61.8	92.8	
98	45.6	36.5	54.7	

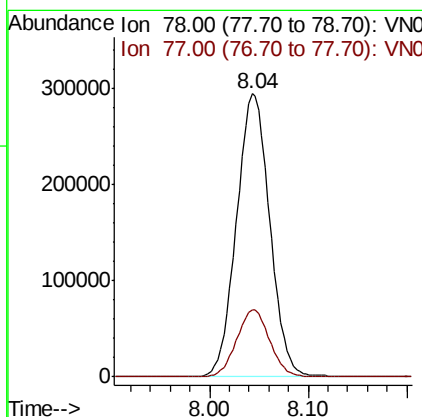
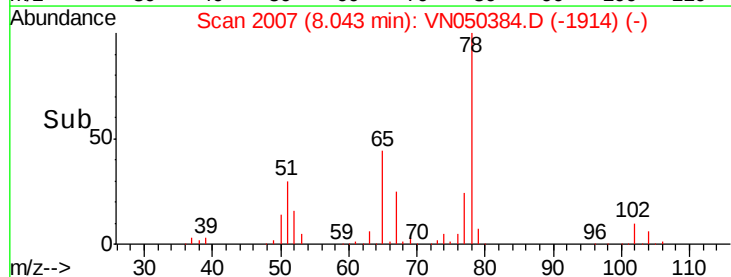
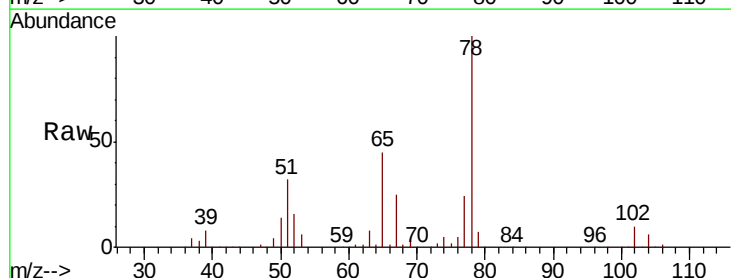
Manual Integrations
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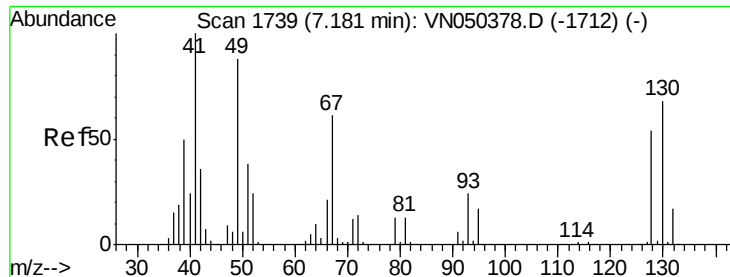
MMDadoda
8/7/2018 9:59:01 AM



#40
Benzene
Concen: 20.04 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.7	28.1	





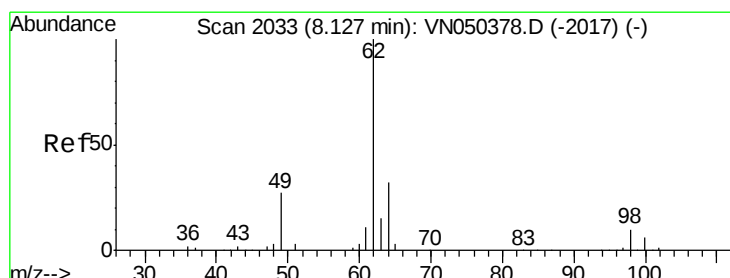
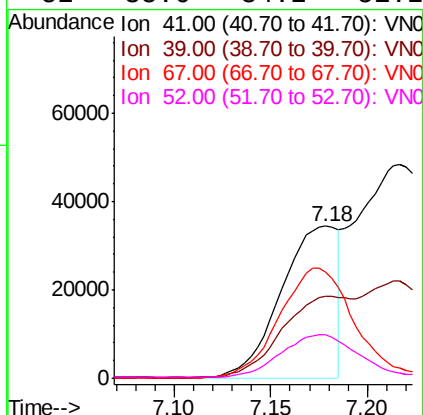
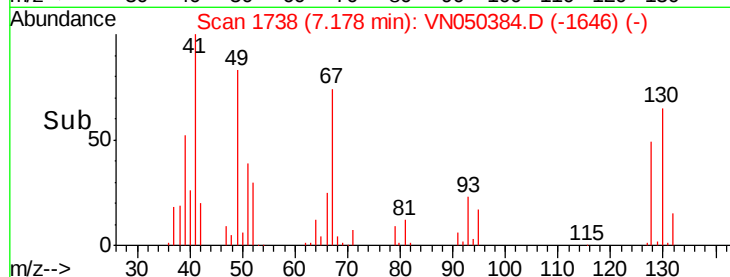
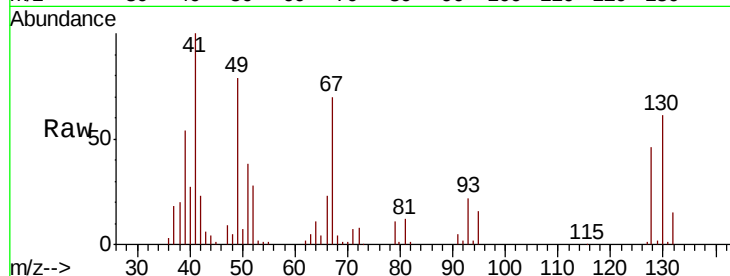
#41
Methacrylonitrile
Concen: 16.50 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD01

Tot Ion	41	Resp	70373
Ion	Ratio	Lower	Upper
41	100		
39	68.5	55.8	83.6
67	98.0	84.3	126.5
52	38.6	34.2	51.2

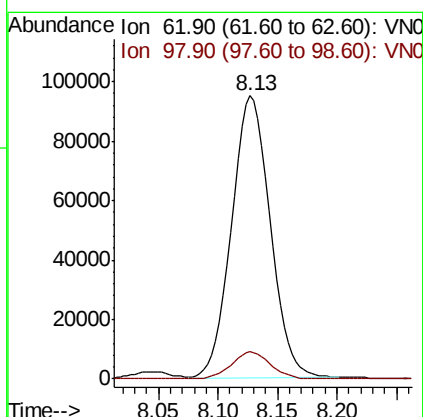
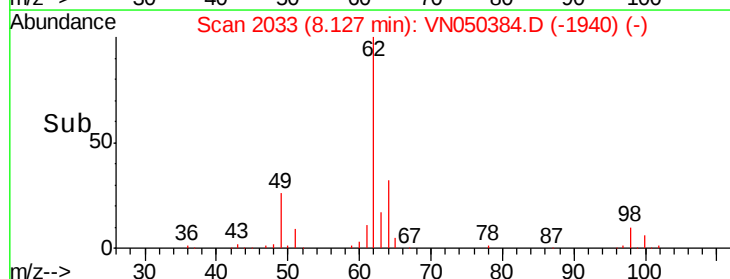
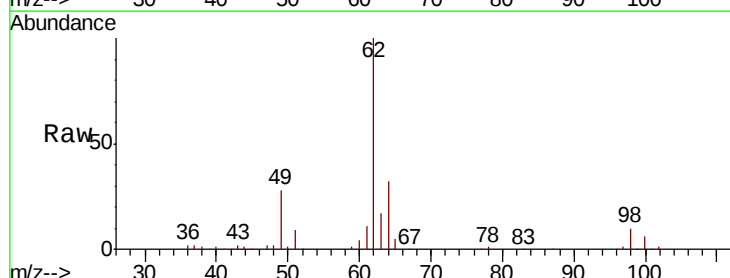
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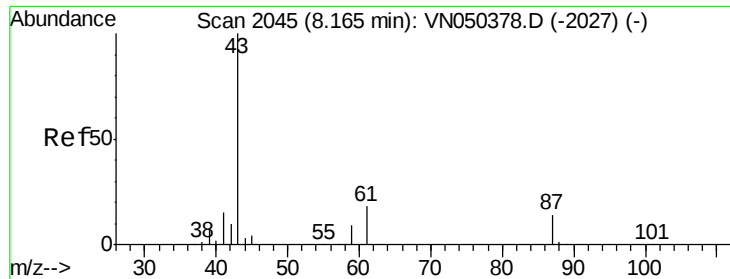
MMDadoda
8/7/2018 9:59:01 AM



#42
1,2-Dichloroethane
Concen: 19.73 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	62	Resp	214407
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8





#43

Isopropyl Acetate

Concen: 19.53 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

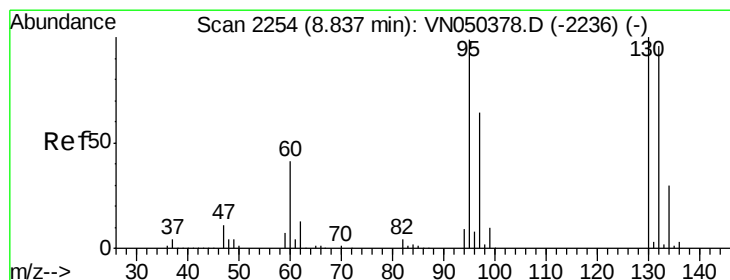
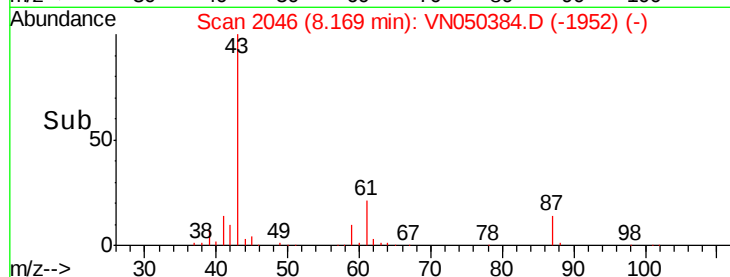
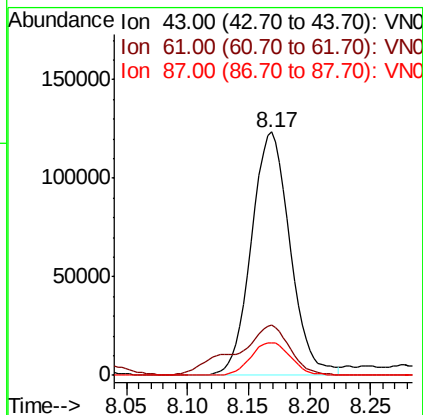
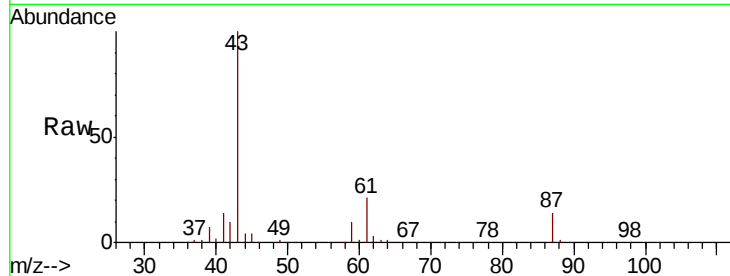
ClientSampleId :

VN0806WBSD01

Tot Ion:	43	Resp:	270316
Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.8	23.6
87	14.0	10.3	15.5

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#44

Trichloroethene

Concen: 19.16 ug/l

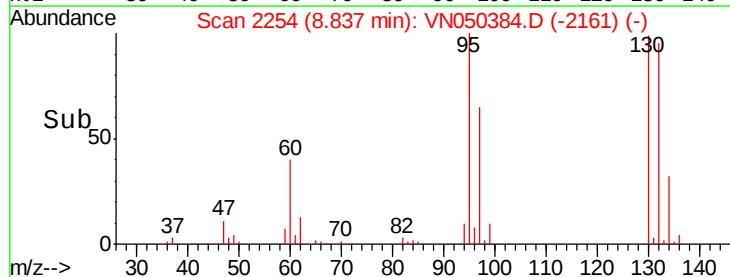
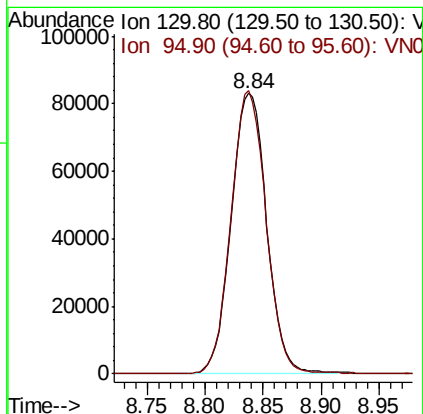
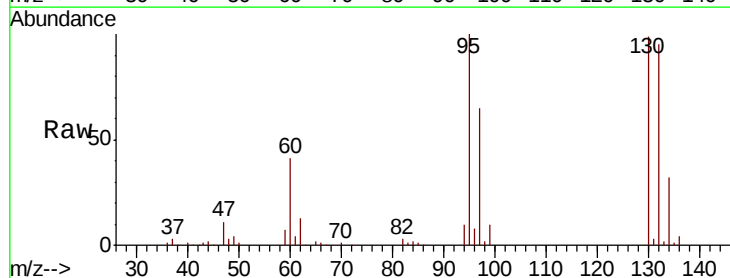
RT: 8.84 min Scan# 2254

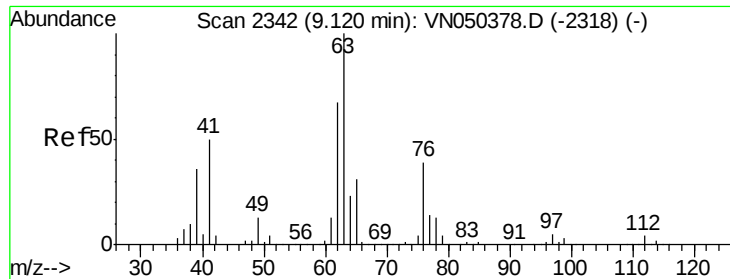
Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Tgt Ion:	130	Resp:	176249
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	194.6





#45

1,2-Dichloropropane

Concen: 19.40 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

Tot Ion: 63 Resp: 174594

Ion Ratio Lower Upper

63 100

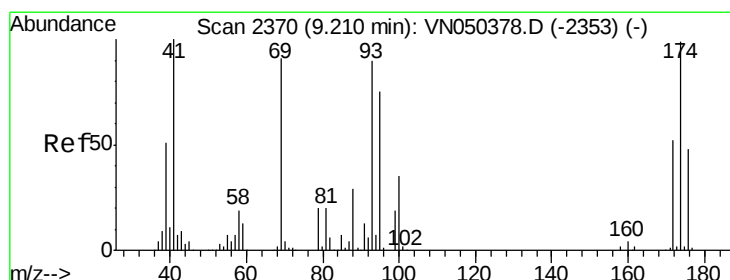
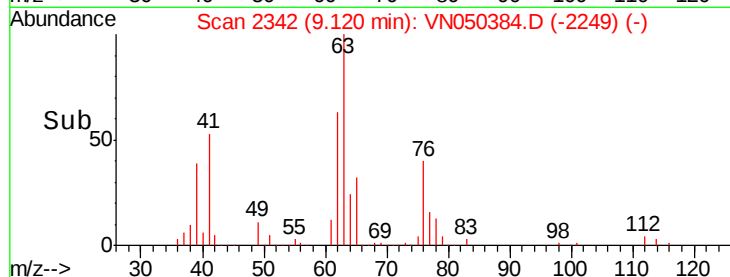
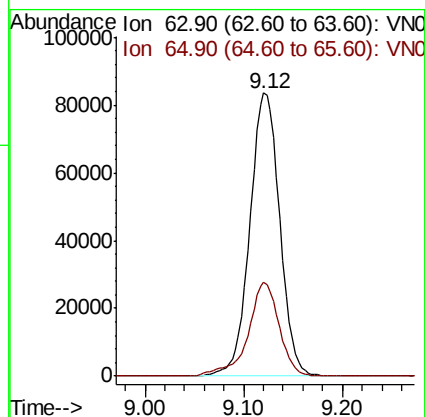
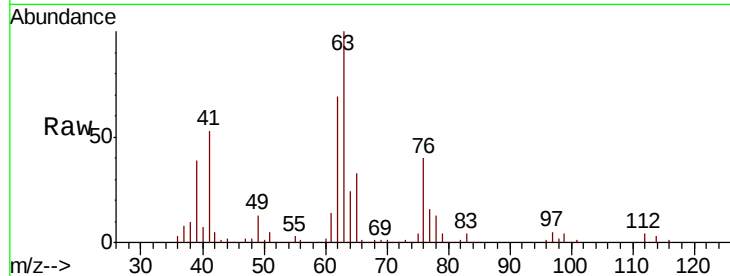
65 33.0 25.5 38.3

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#46

Dibromomethane

Concen: 19.45 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

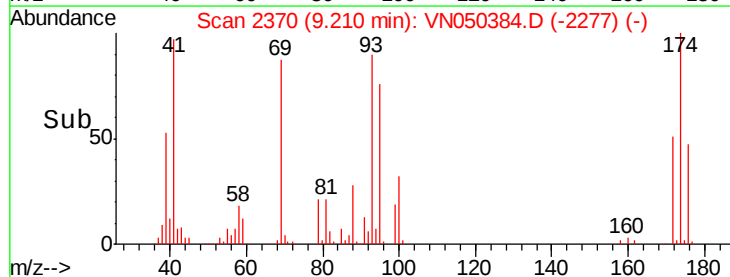
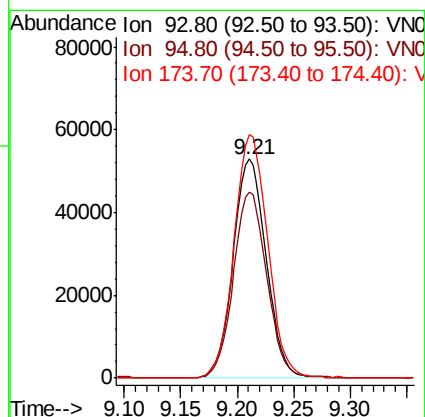
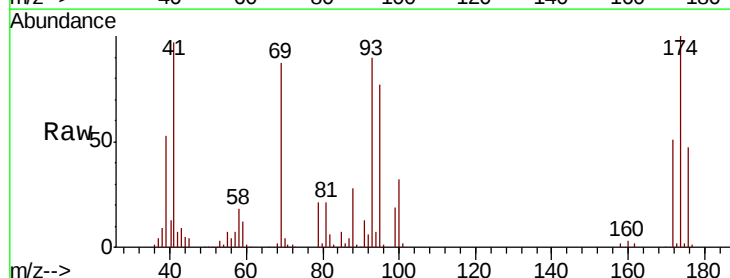
Tgt Ion: 93 Resp: 108084

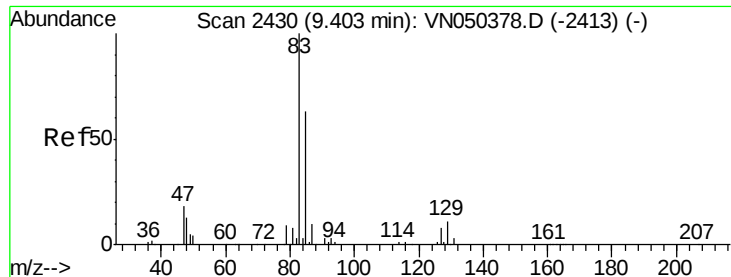
Ion Ratio Lower Upper

93 100

95 85.5 66.6 100.0

174 113.1 87.1 130.7





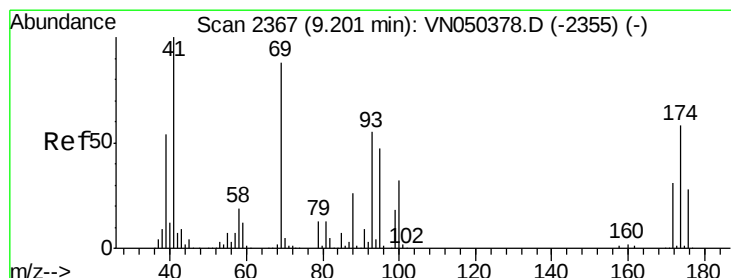
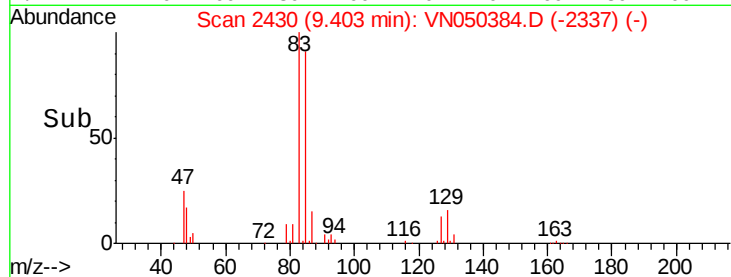
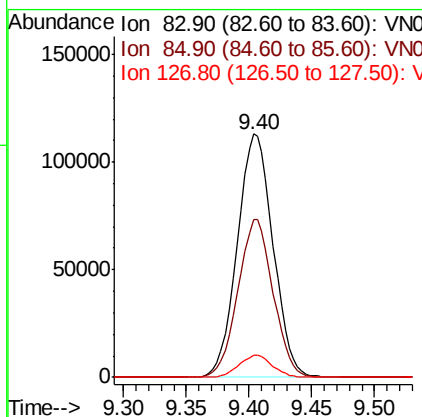
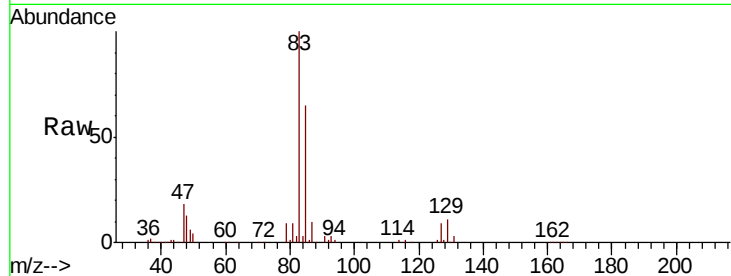
#47
Bromodichloromethane
Concen: 19.44 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	223801		
85	64.6		51.1	76.7
127	8.9		7.0	10.4

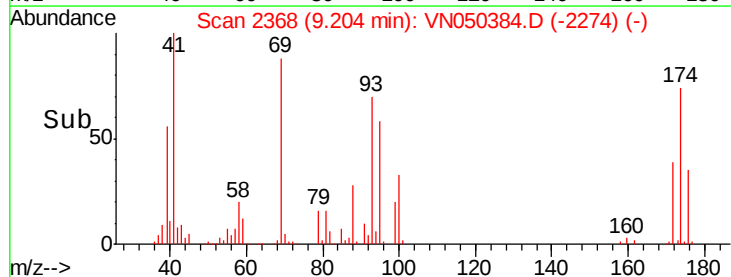
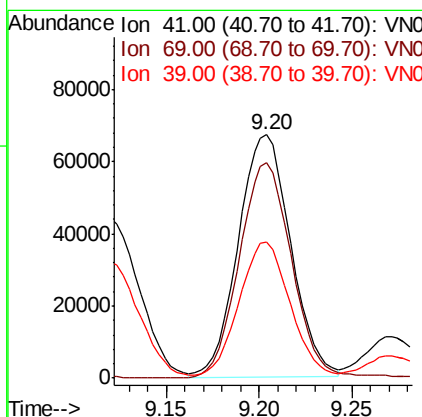
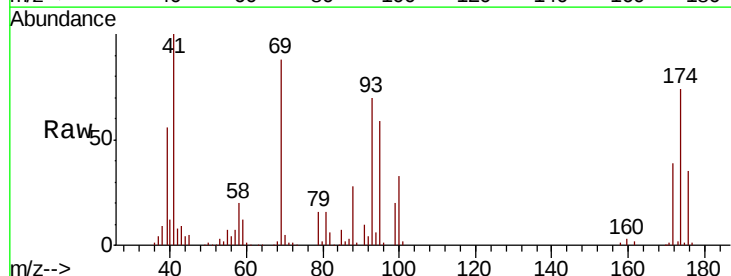
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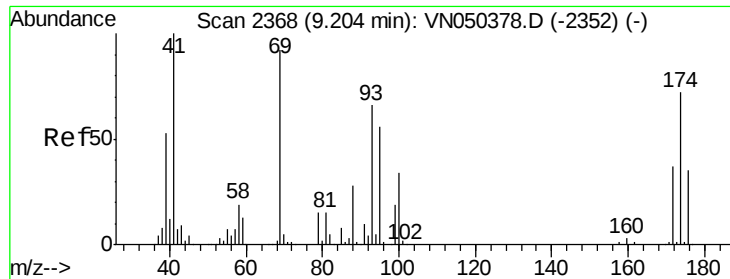
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#48
Methyl methacrylate
Concen: 18.99 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	131751		
69	89.7		70.6	105.8
39	55.1		43.9	65.9





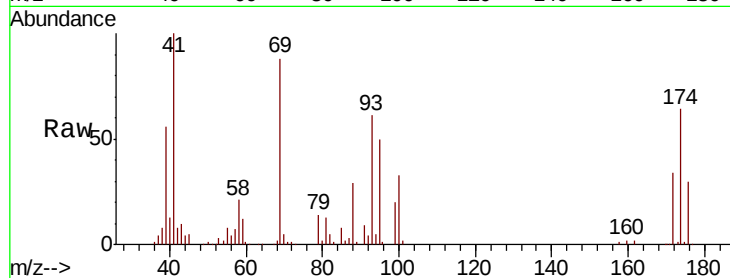
#49
 1,4-Dioxane
 Concen: 382.74 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.9	40.3
58	68.2	57.3	85.9

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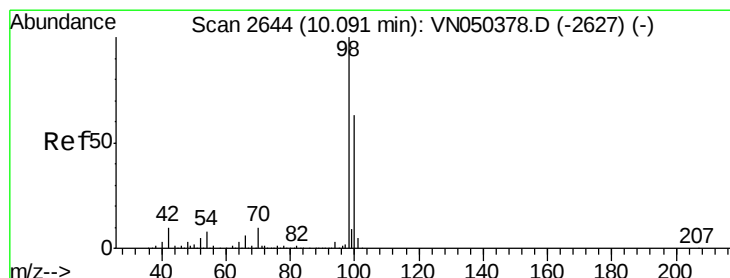
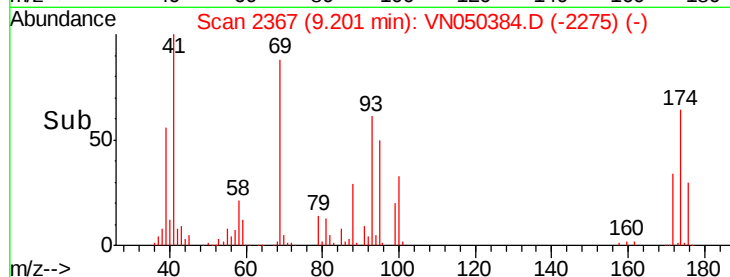
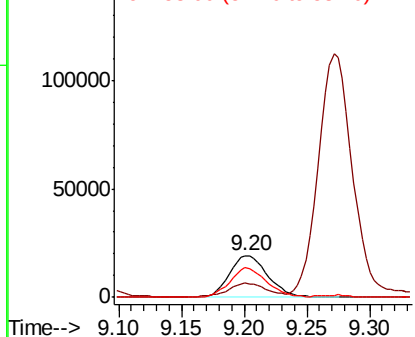


Abundance

Ion 88.00 (87.70 to 88.70): VN0

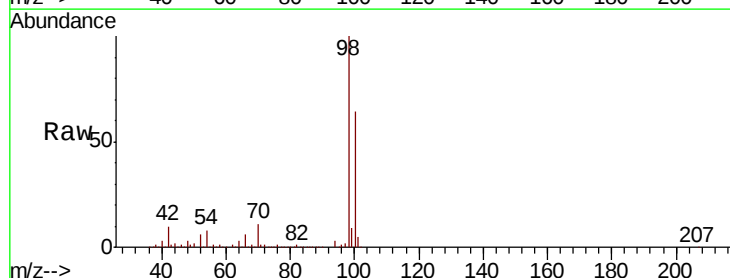
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 49.56 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

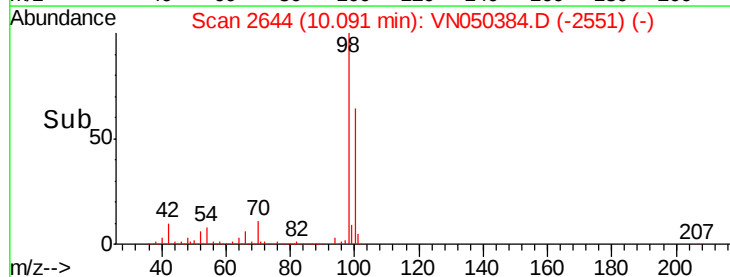
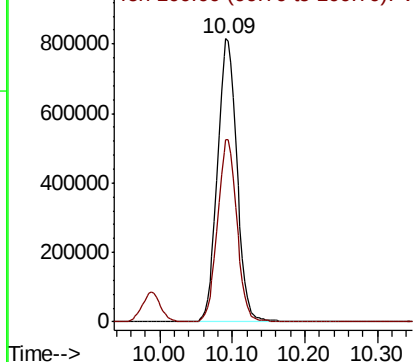
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.7	76.1

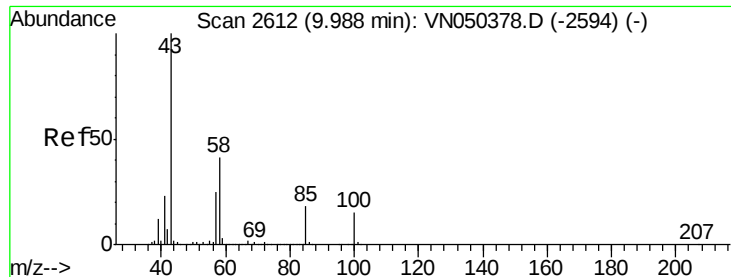


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 99.67 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

Tot Ion: 43 Resp: 993660

Ion Ratio Lower Upper

43 100

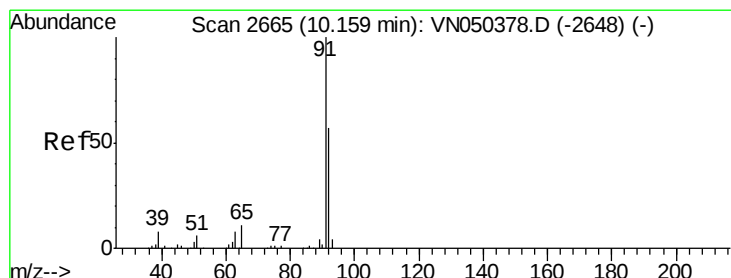
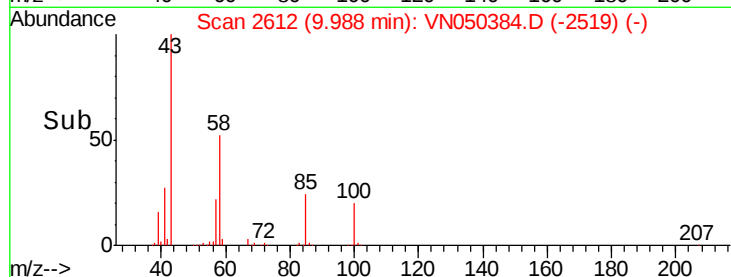
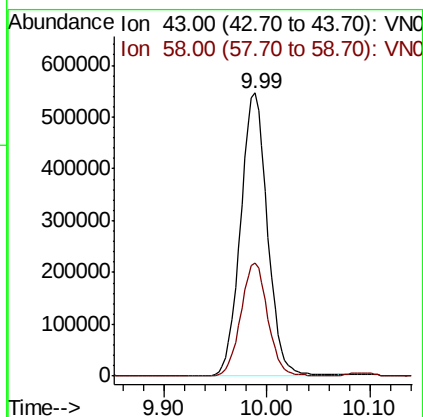
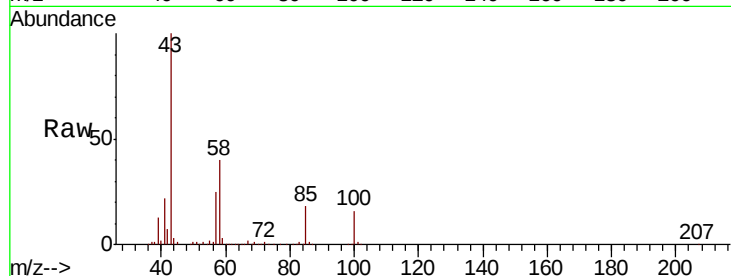
58 39.8 31.9 47.9

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#52

Toluene

Concen: 20.36 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050384.D

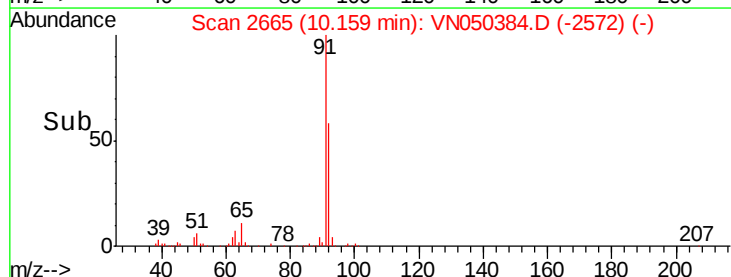
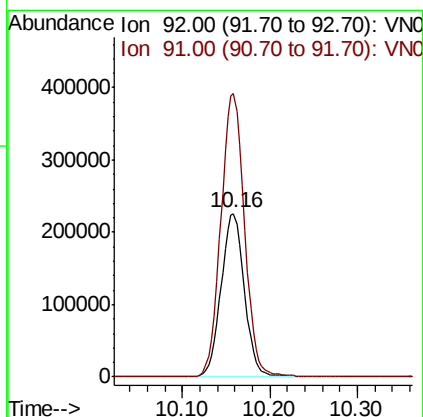
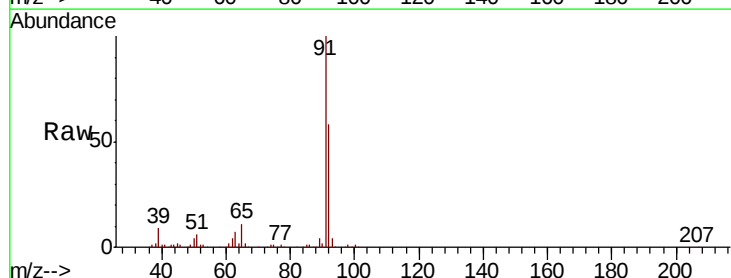
Acq: 6 Aug 2018 15:26

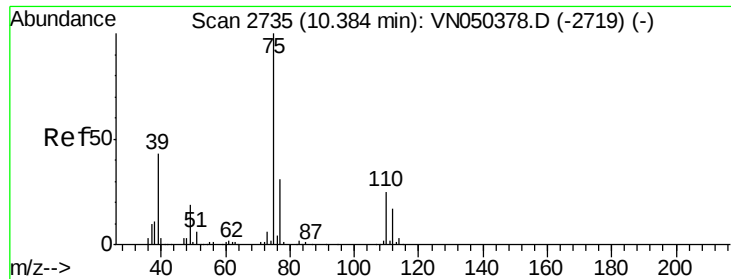
Tgt Ion: 92 Resp: 418569

Ion Ratio Lower Upper

92 100

91 175.3 140.3 210.5





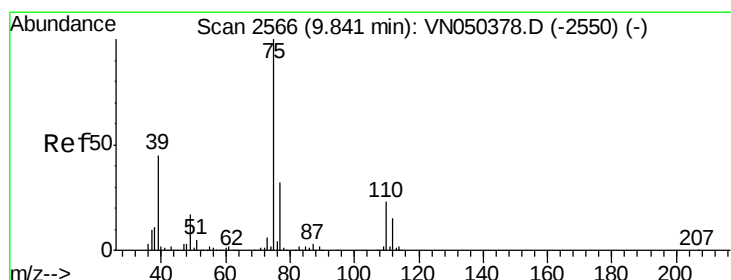
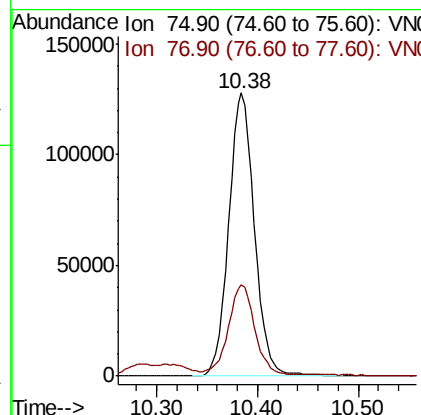
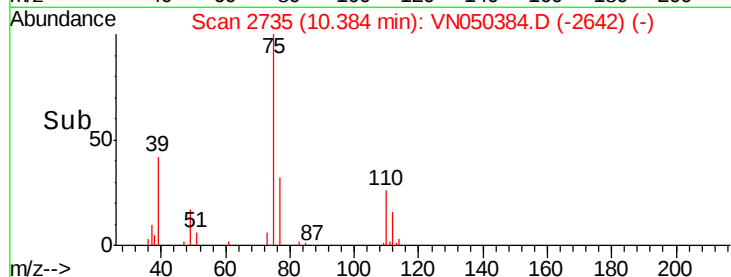
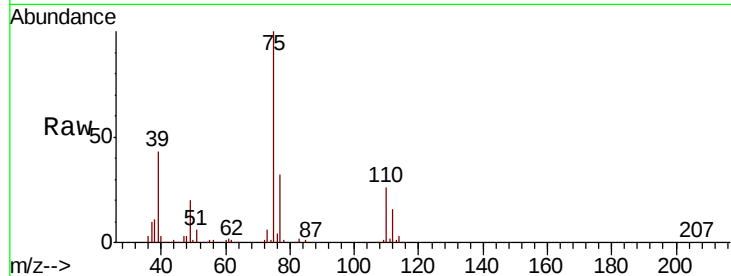
#53
 t-1,3-Dichloropropene
 Concen: 19.67 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBSD01

Tot Ion: 75 Resp: 227332
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.9 37.3

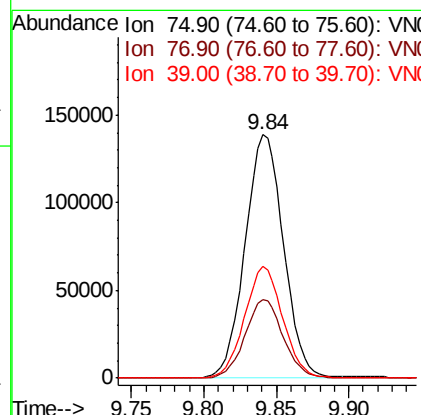
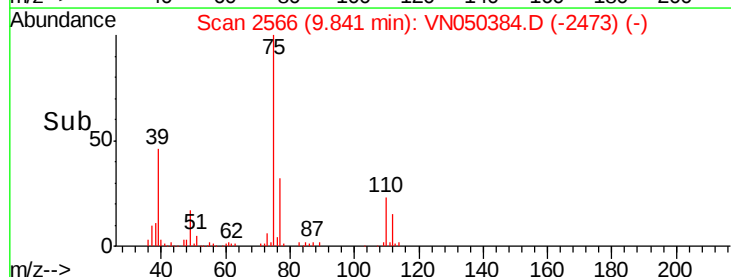
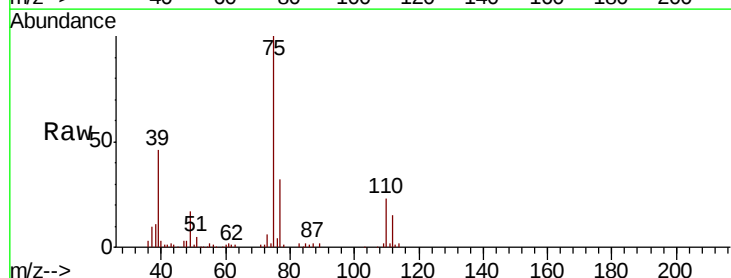
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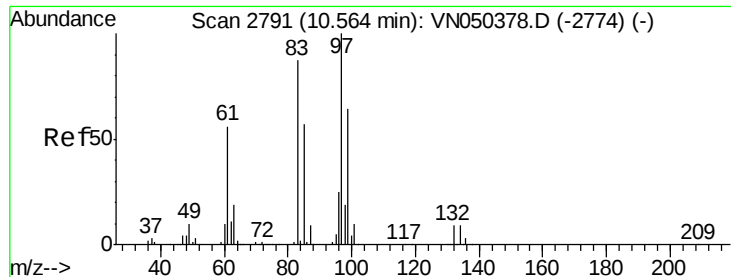
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.88 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion: 75 Resp: 256449
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.5 38.3
 39 45.7 36.6 55.0





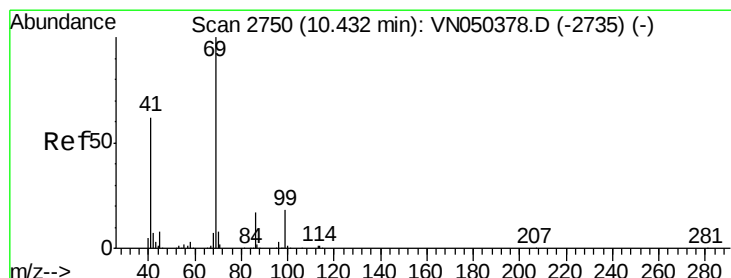
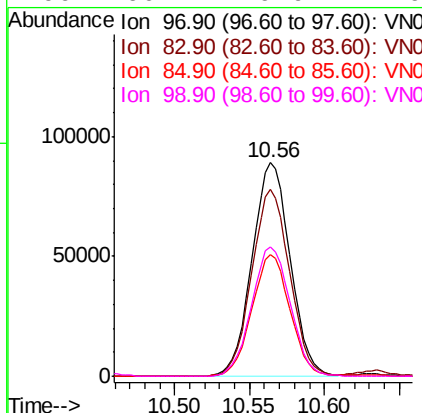
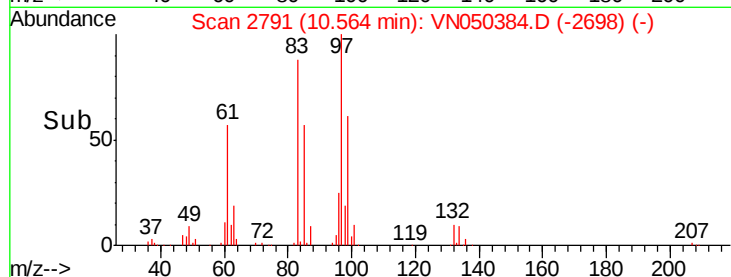
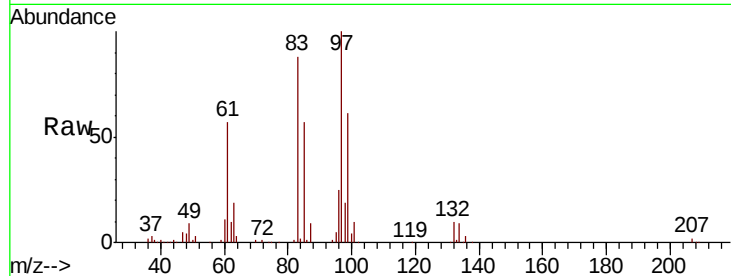
#55
 1,1,2-Trichloroethane
 Concen: 19.64 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

Tot Ion	97	Resp	157704
Ion Ratio	Lower	Upper	
97	100		
83	87.7	69.2	103.8
85	56.7	44.0	66.0
99	60.4	49.9	74.9

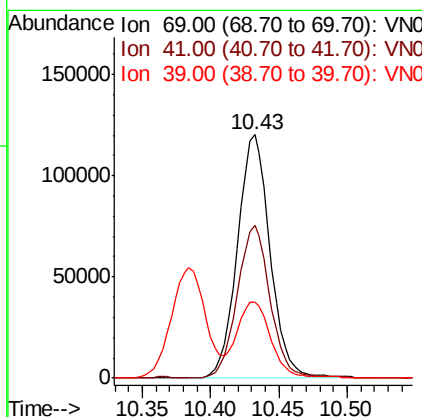
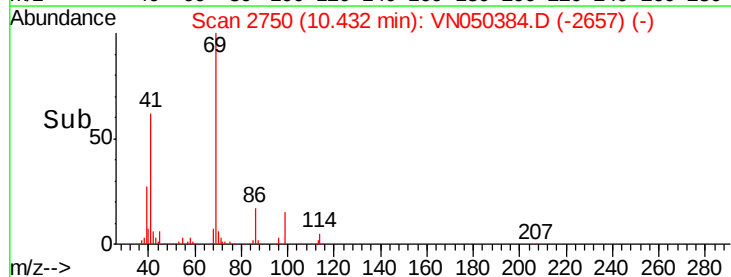
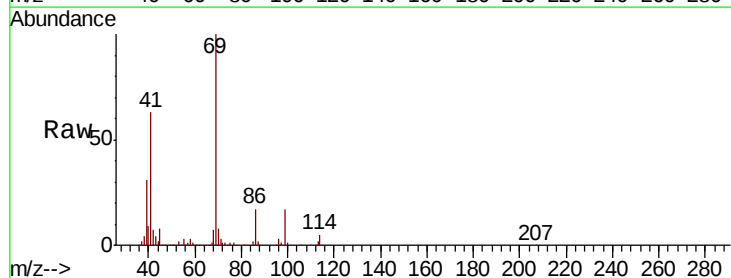
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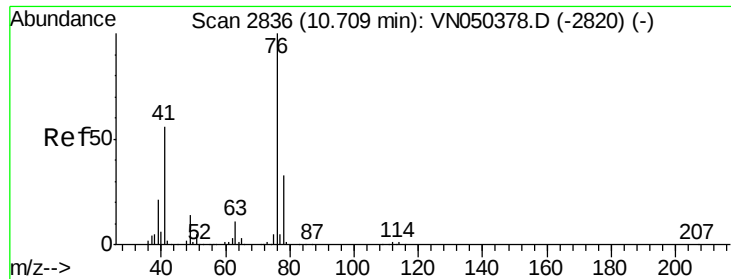
MMDadoda
 8/7/2018 9:59:01 AM



#56
 Ethyl methacrylate
 Concen: 18.70 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion	69	Resp	199869
Ion Ratio	Lower	Upper	
69	100		
41	62.3	51.0	76.4
39	32.0	26.6	40.0





#57

1,3-Dichloropropane

Concen: 19.93 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

Tot Ion: 76 Resp: 262680

Ion Ratio Lower Upper

76 100

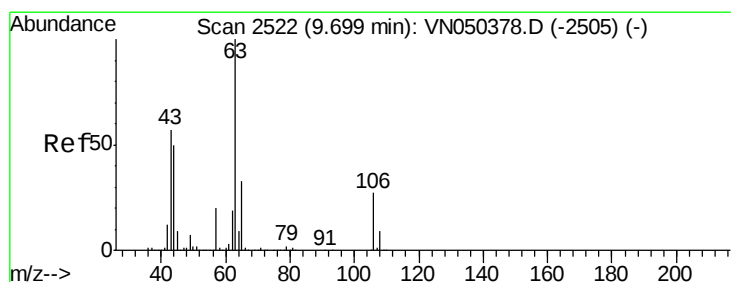
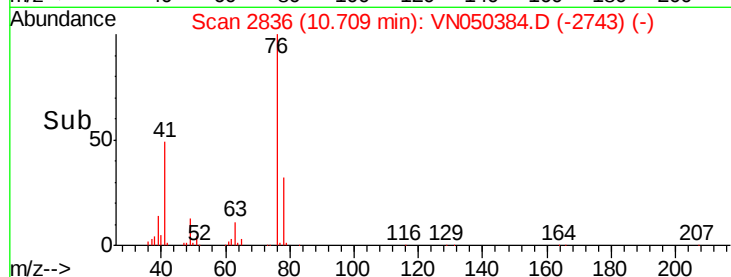
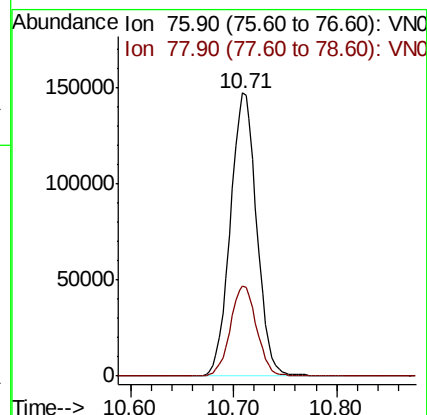
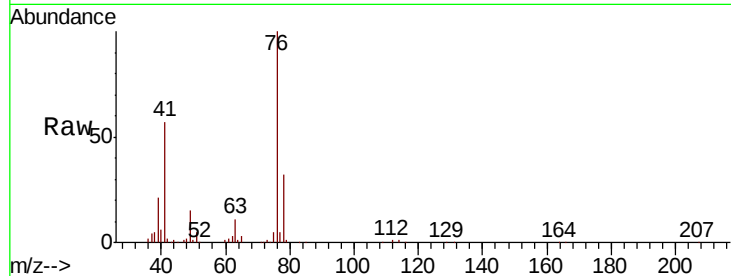
78 32.0 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 93.72 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050384.D

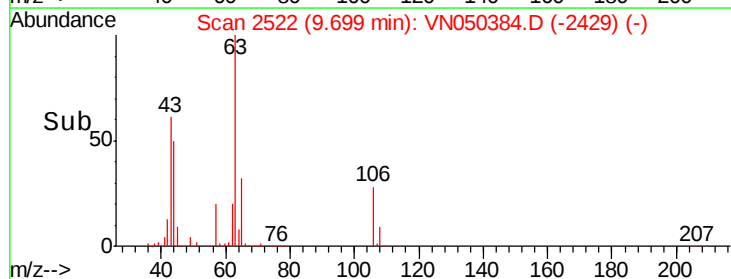
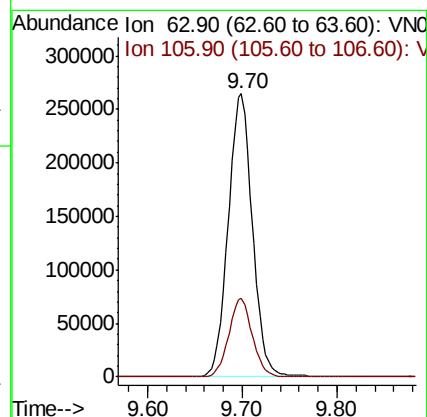
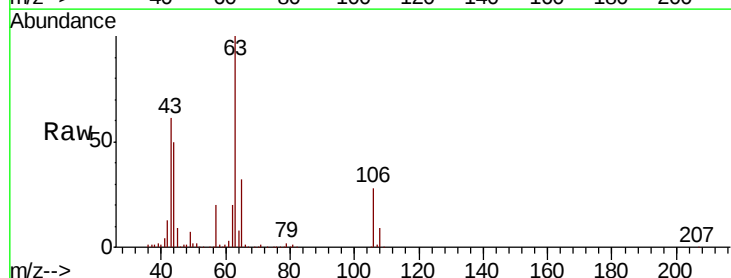
Acq: 6 Aug 2018 15:26

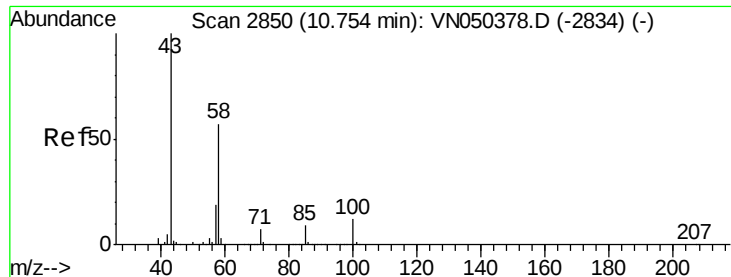
Tgt Ion: 63 Resp: 471067

Ion Ratio Lower Upper

63 100

106 27.0 21.7 32.5





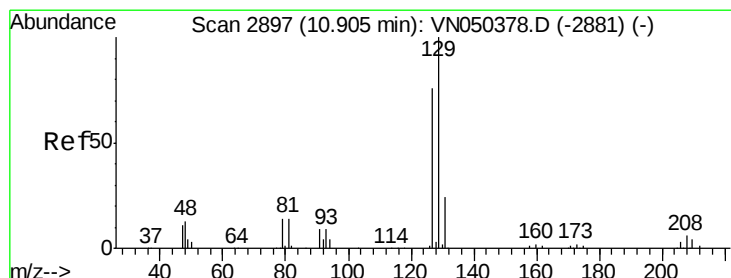
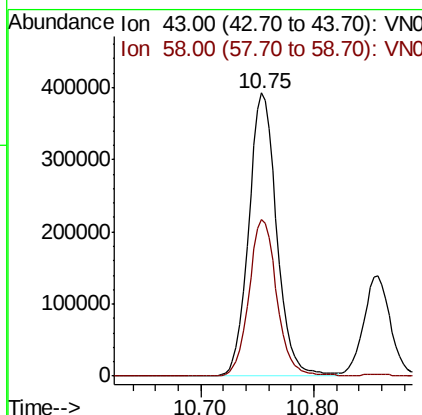
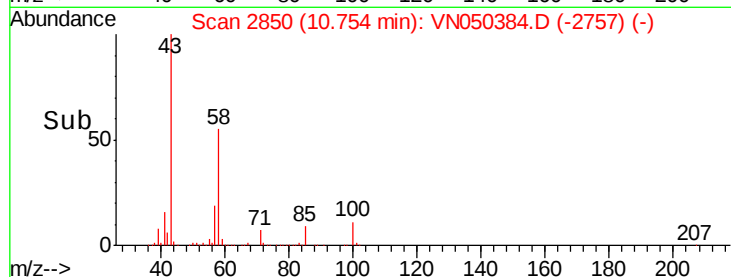
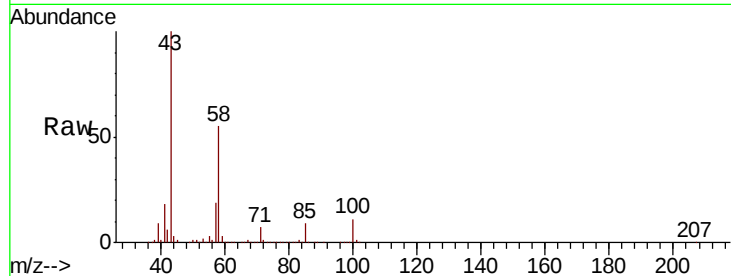
#59
2-Hexanone
Concen: 96.88 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion: 43 Resp: 674023
Ion Ratio Lower Upper
43 100
58 55.1 27.6 82.7

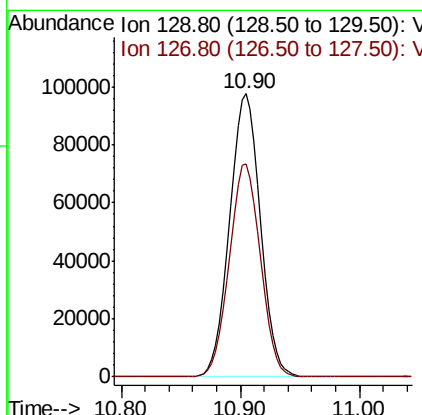
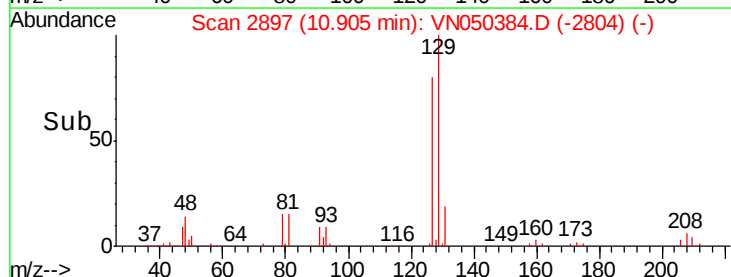
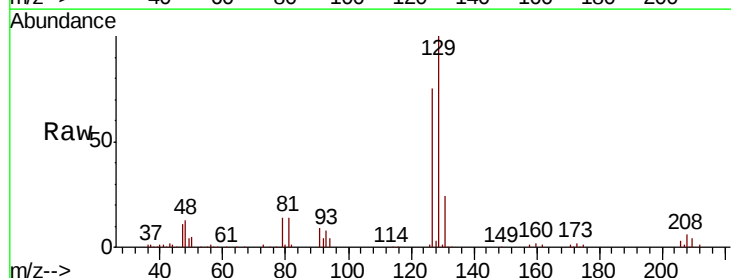
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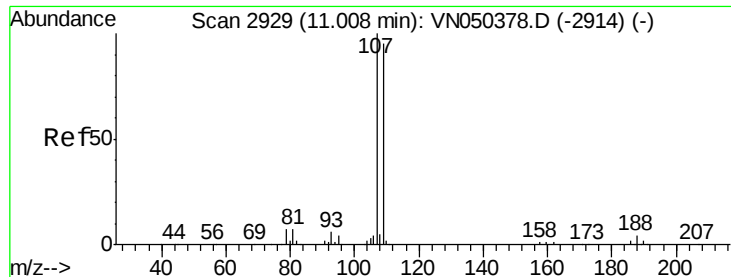
MMDadoda
8/7/2018 9:59:01 AM



#60
Dibromochloromethane
Concen: 19.77 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion: 129 Resp: 174839
Ion Ratio Lower Upper
129 100
127 76.2 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.68 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0806WBSD01

Tot Ion: 107 Resp: 155705

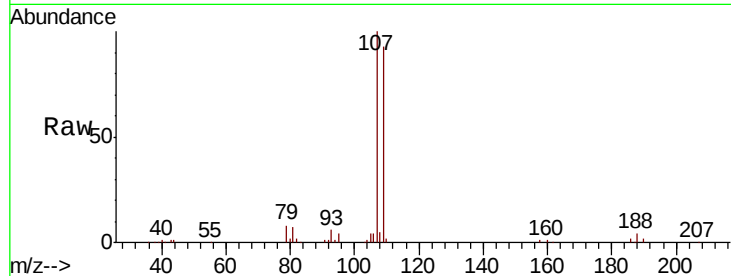
Ion Ratio Lower Upper

107 100

109 94.3 74.6 112.0

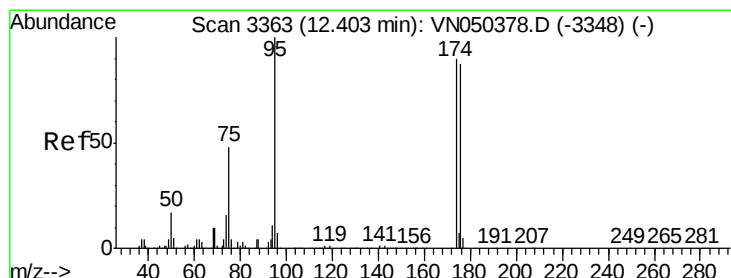
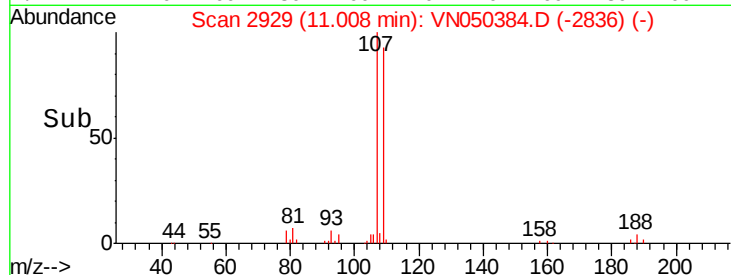
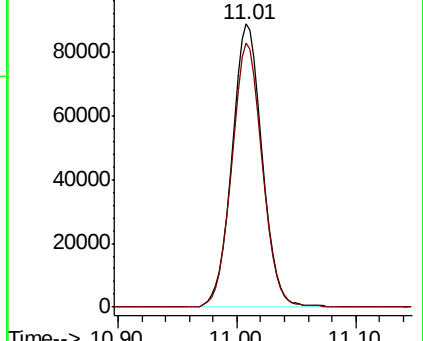
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

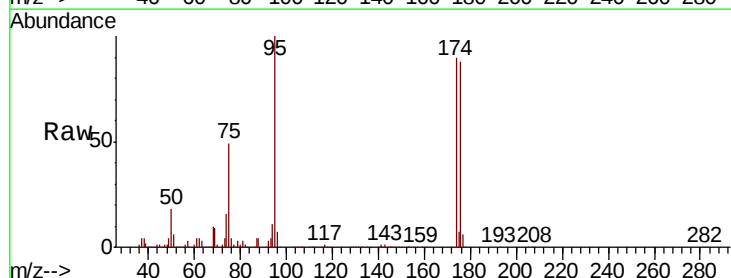
Tgt Ion: 95 Resp: 502920

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.2

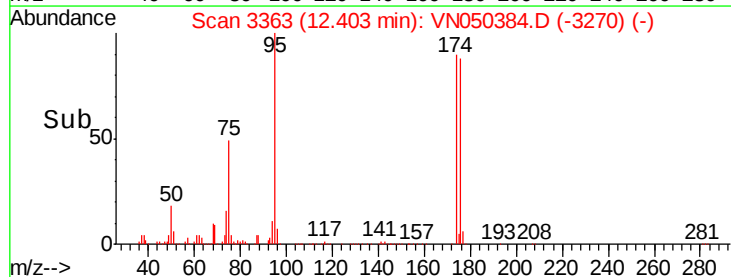
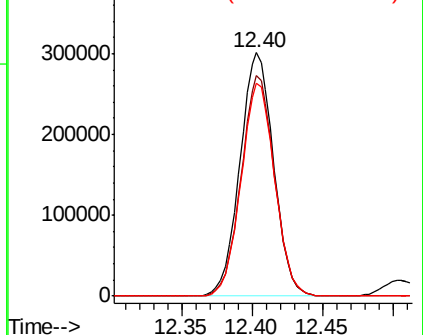
176 87.6 0.0 173.4

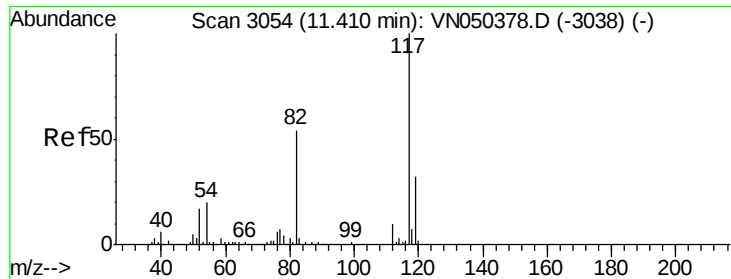


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





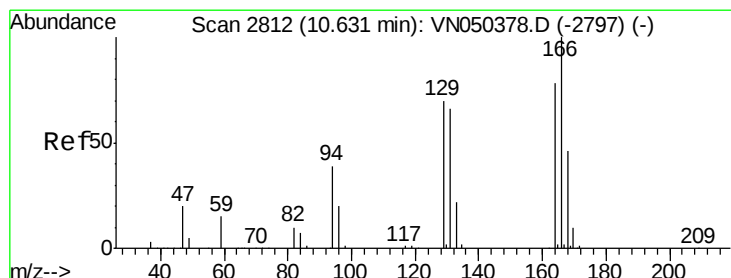
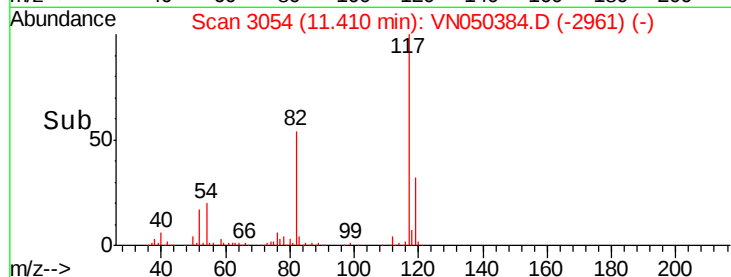
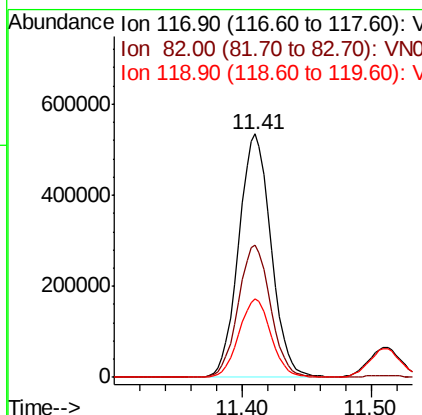
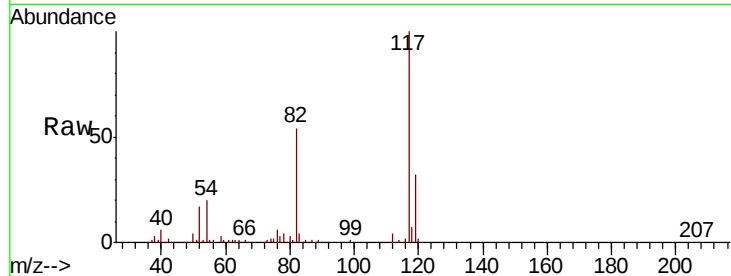
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.7	65.5
119	32.3	26.1	39.1

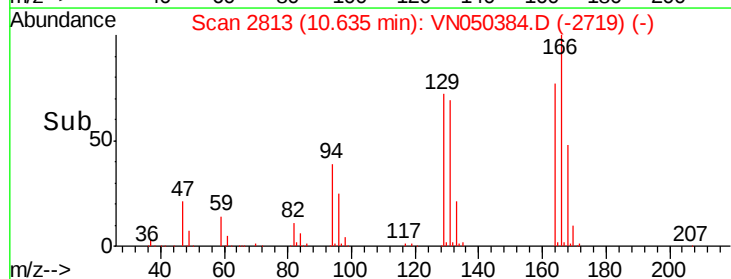
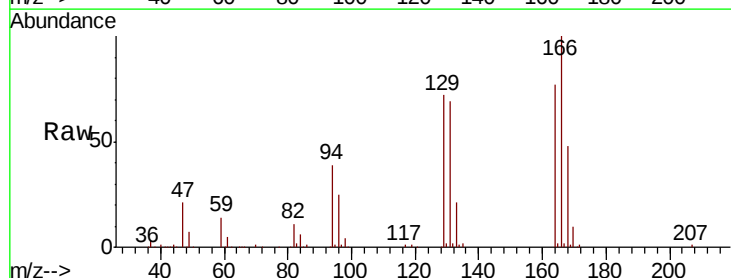
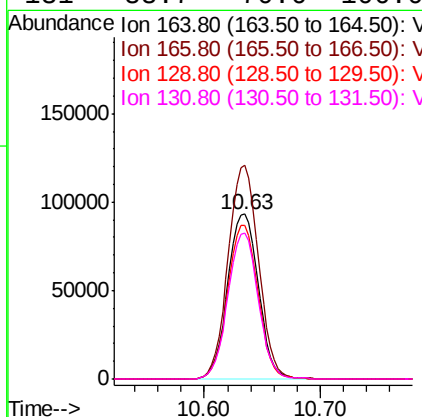
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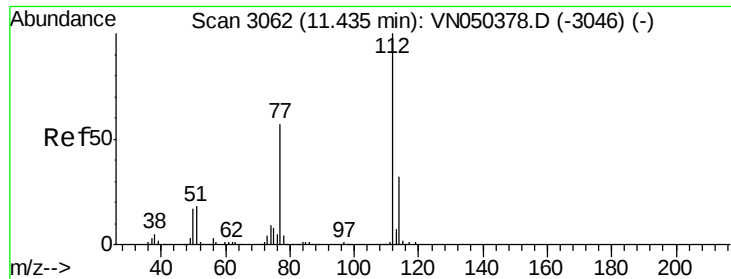
MMDadoda
8/7/2018 9:59:01 AM



#64
Tetrachloroethene
Concen: 19.72 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.1	153.1
129	92.9	73.2	109.8
131	88.7	70.6	106.0





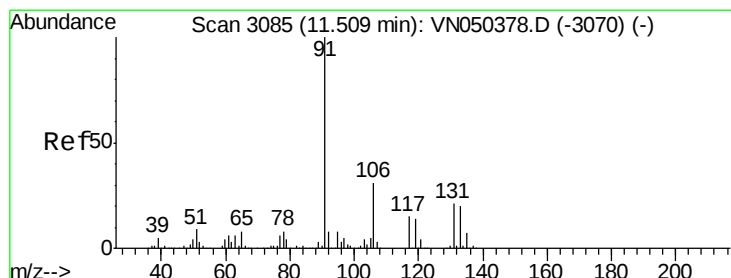
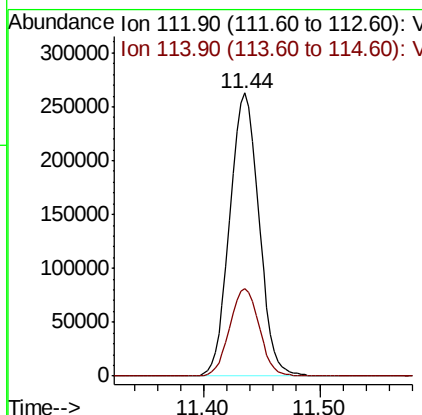
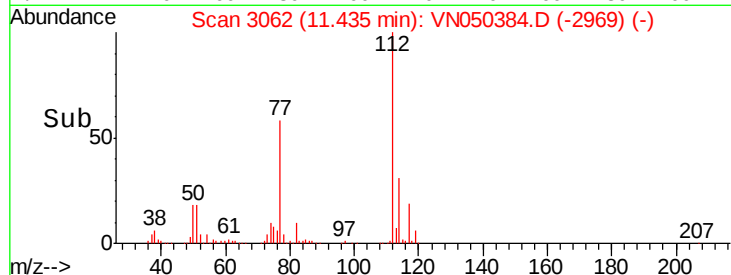
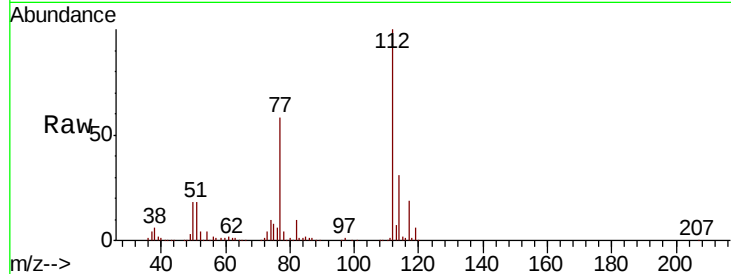
#65
Chlorobenzene
Concen: 19.55 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion:112 Resp: 457003
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4

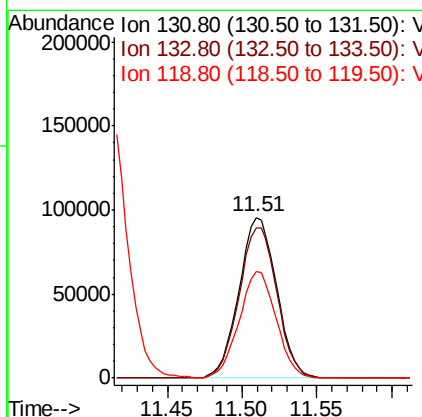
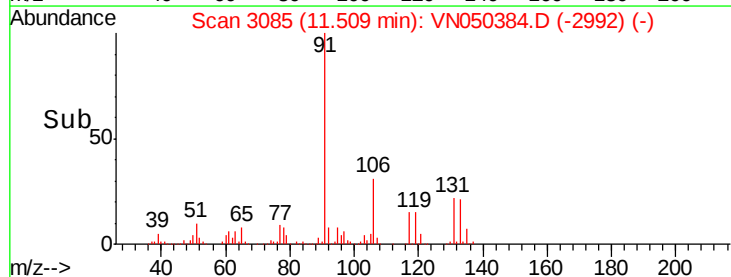
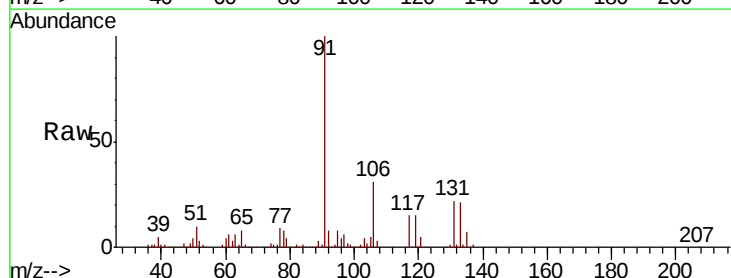
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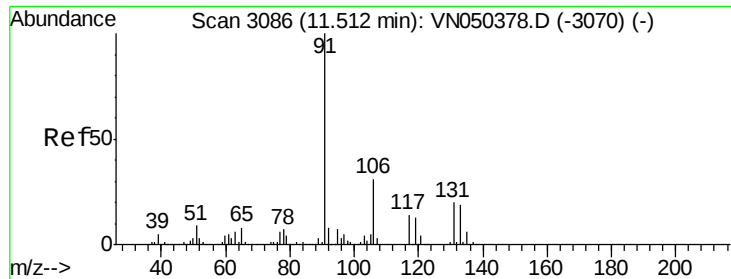
MMDadoda
8/7/2018 9:59:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.64 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion:131 Resp: 167113
Ion Ratio Lower Upper
131 100
133 94.7 47.3 141.9
119 65.2 32.9 98.7





#67

Ethyl Benzene

Concen: 20.17 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0806WBSD01

Tot Ion: 91 Resp: 762197

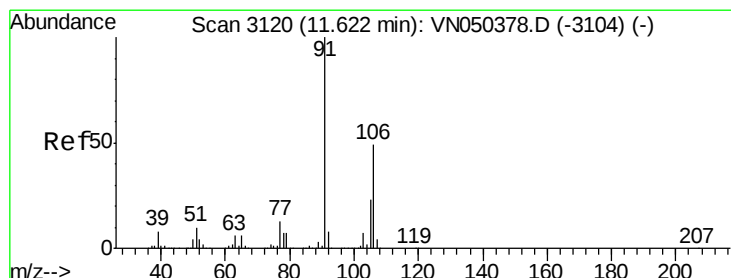
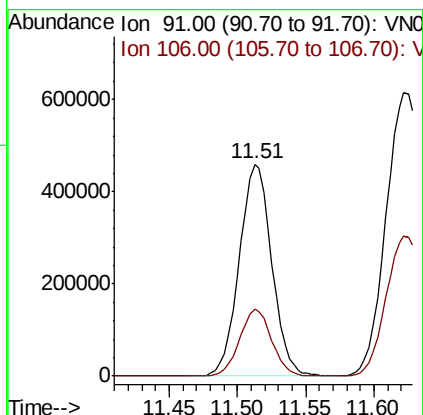
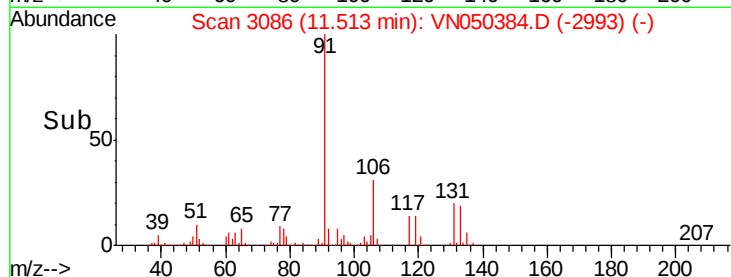
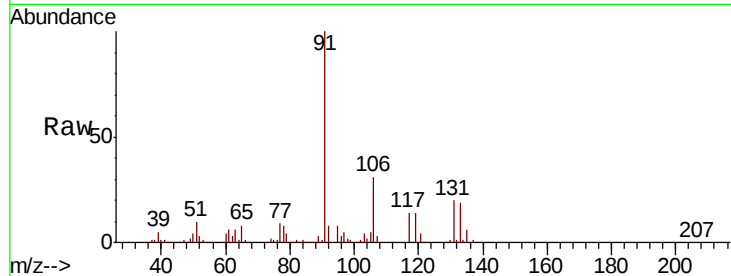
Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.38 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050384.D

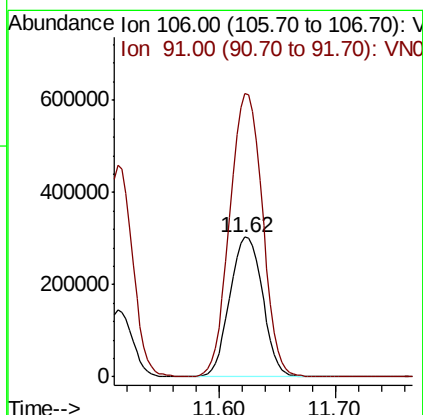
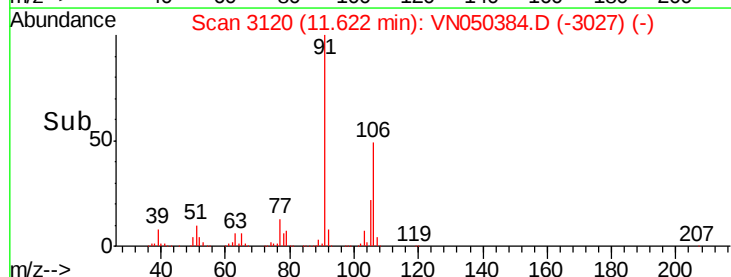
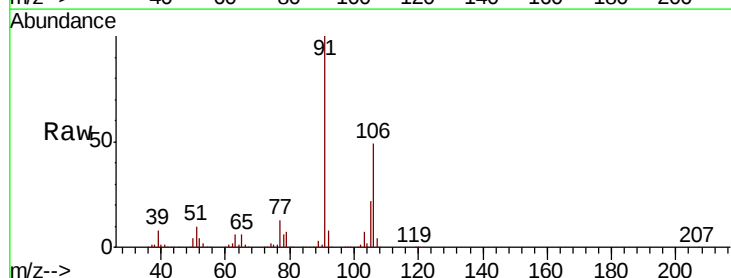
Acq: 6 Aug 2018 15:26

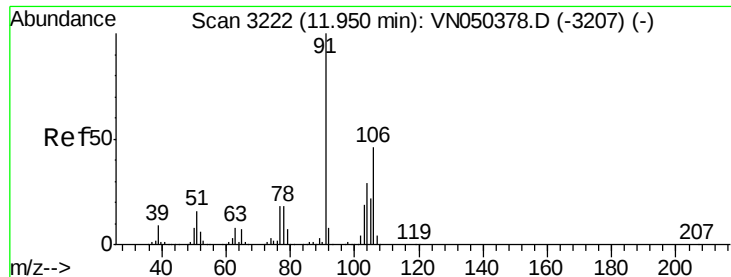
Tgt Ion: 106 Resp: 595368

Ion Ratio Lower Upper

106 100

91 202.0 162.2 243.2





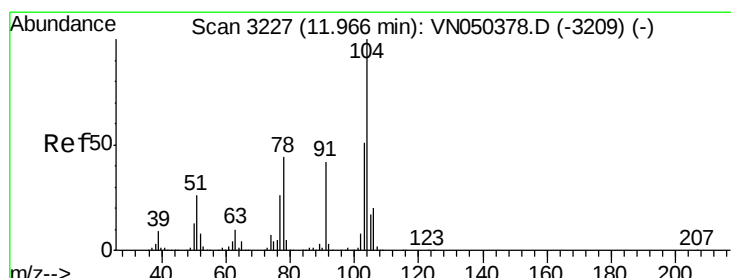
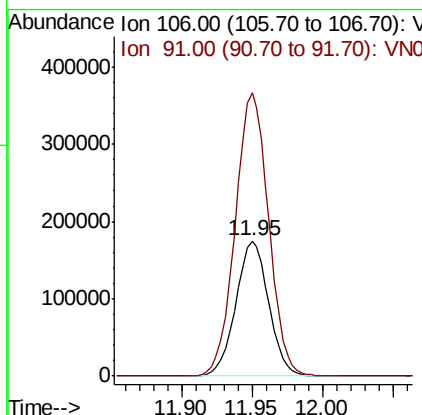
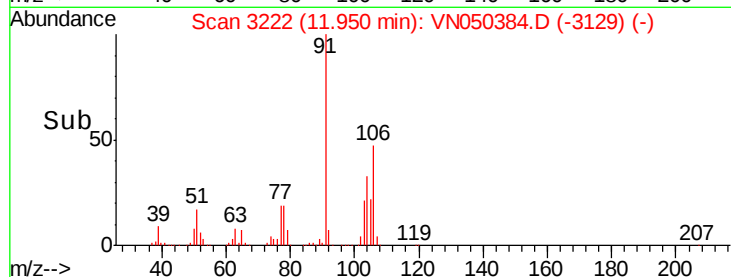
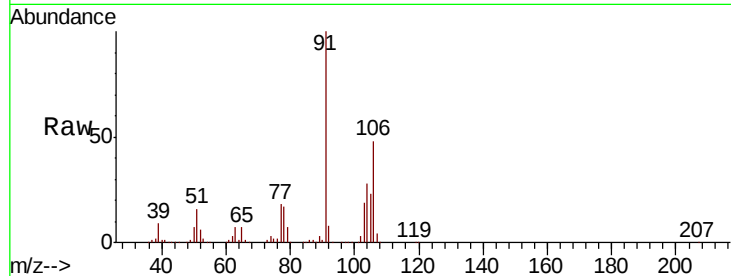
#69
o-Xylene
Concen: 20.58 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	285262		
91	212.8	107.7	323.1	

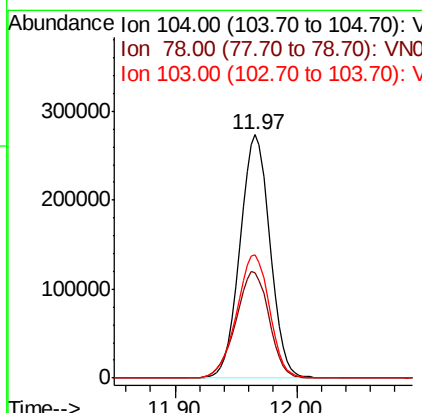
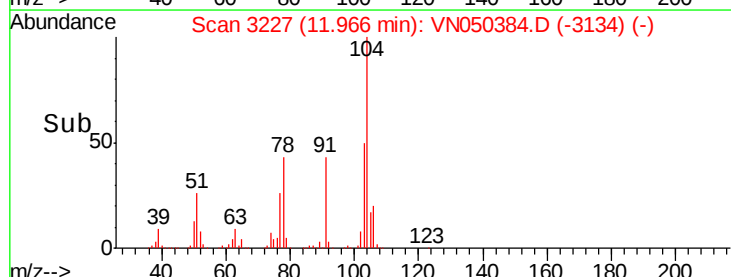
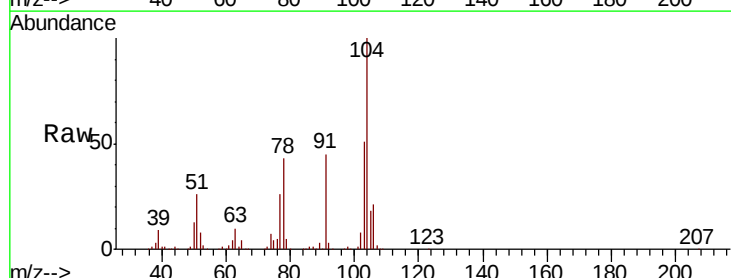
Manual Integrations
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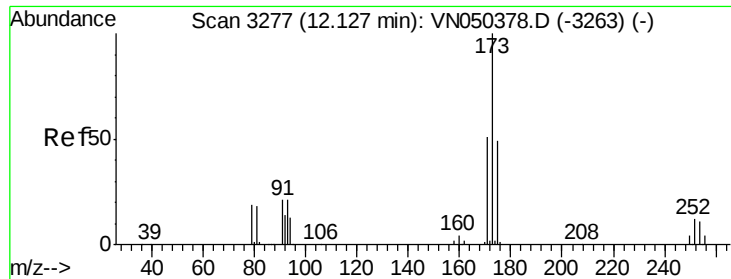
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#70
Styrene
Concen: 20.51 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	462169		
78	48.8	39.3	58.9	
103	55.8	45.0	67.6	





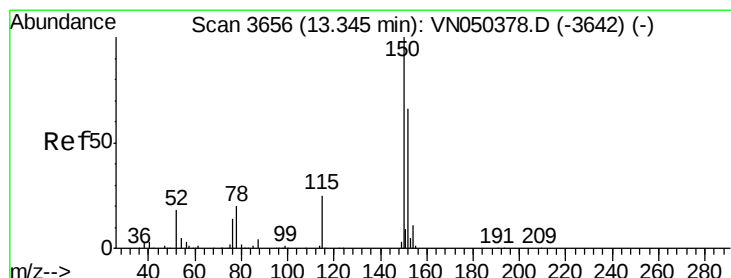
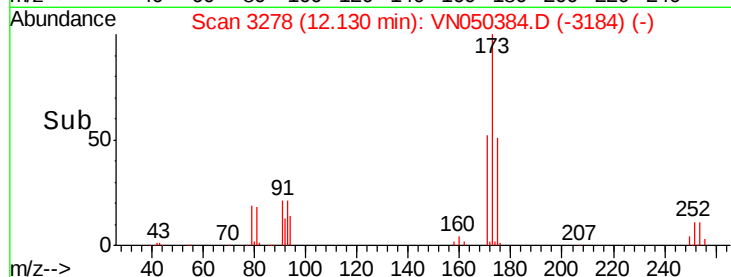
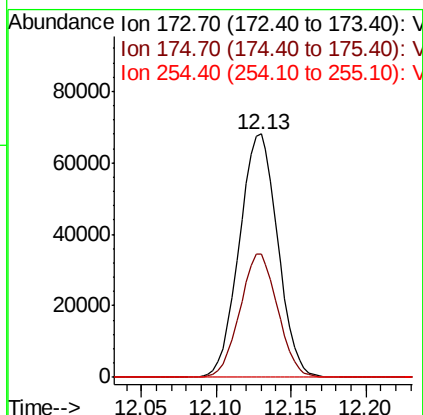
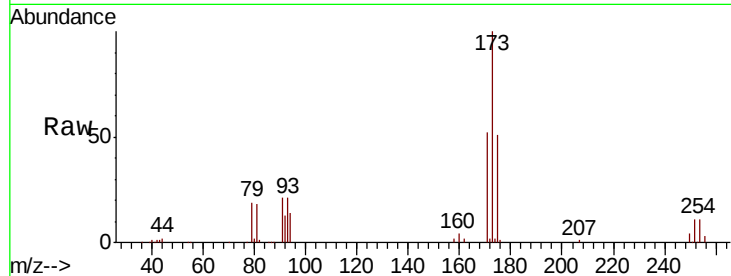
#71
Bromoform
Concen: 19.56 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.2
254	0.0	0.2	0.2

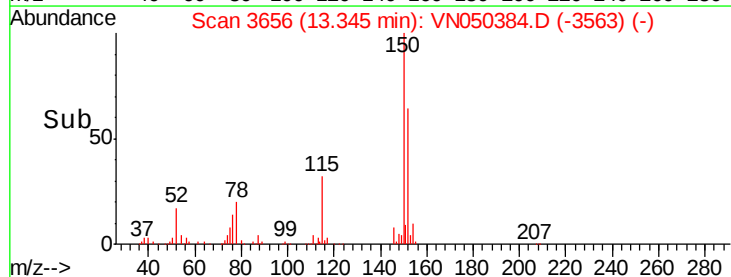
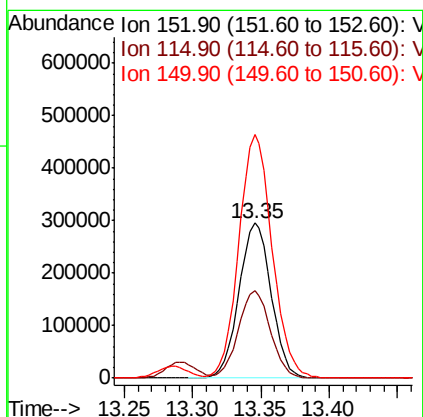
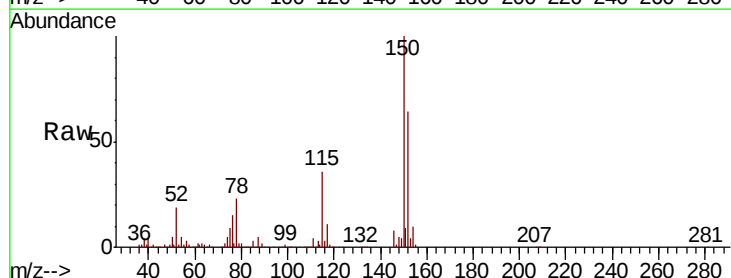
Manual Integrations
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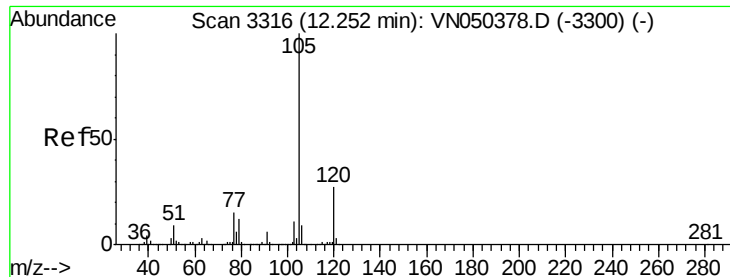
MMDadoda
8/7/2018 9:59:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.3
150	162.9	0.0	348.6





#73

Isopropylbenzene

Concen: 20.73 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0806WBSD01

Tot Ion: 105 Resp: 751011

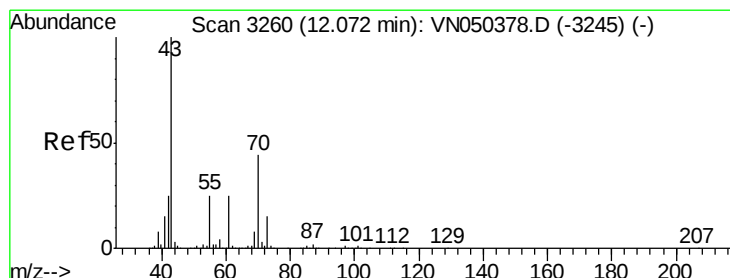
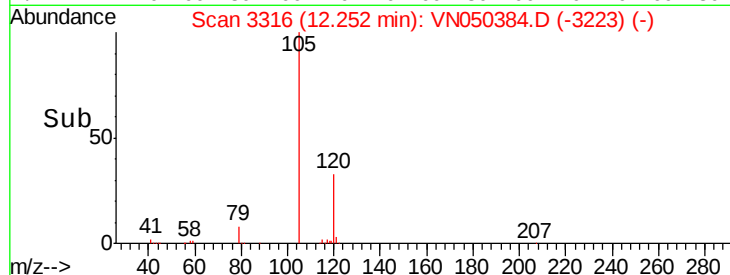
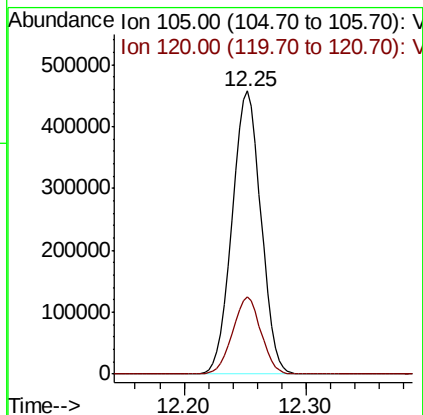
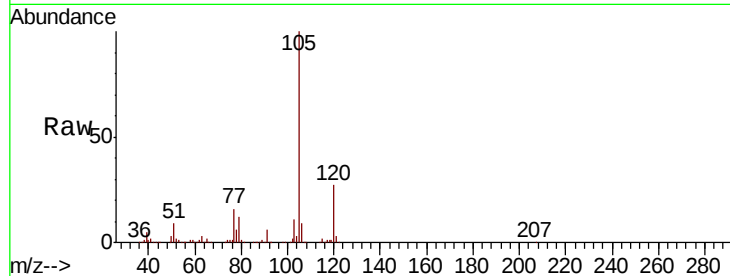
Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.81 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Tgt Ion: 43 Resp: 232649

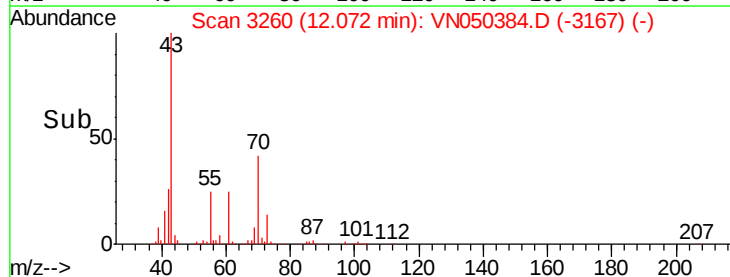
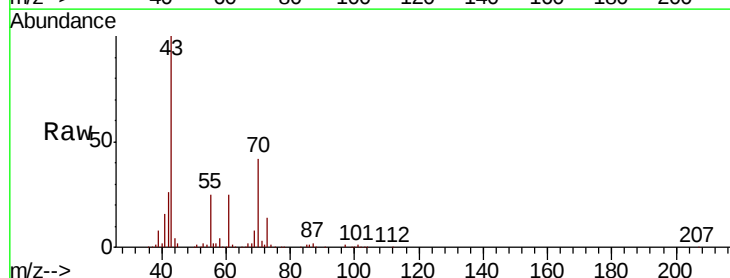
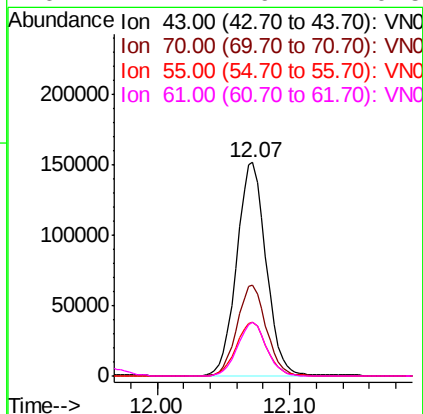
Ion Ratio Lower Upper

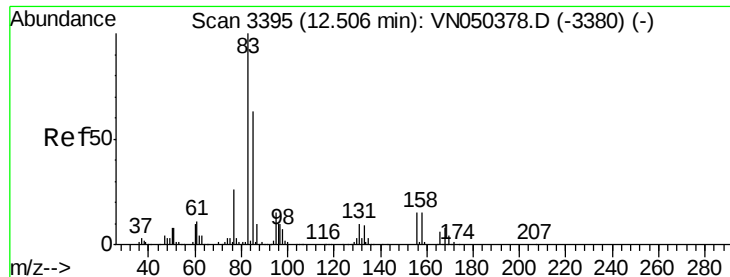
43 100

70 42.6 34.4 51.6

55 26.2 20.8 31.2

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.99 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

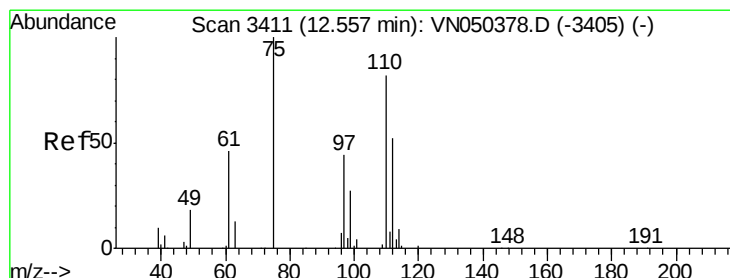
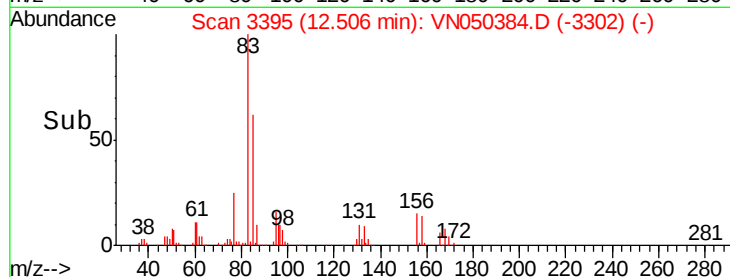
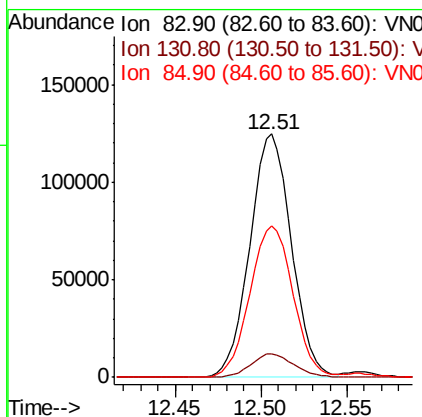
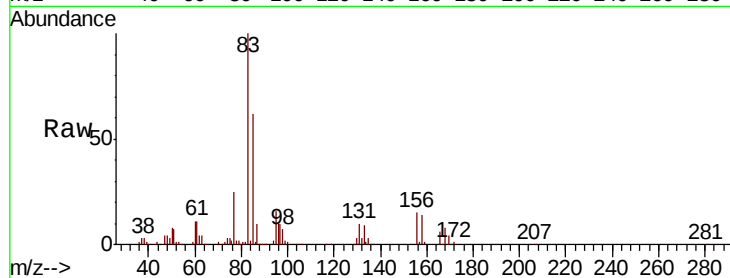
ClientSampleId :

VN0806WBSD01

Tot Ion:	83	Resp:	209001
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	64.3	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.34 ug/l m

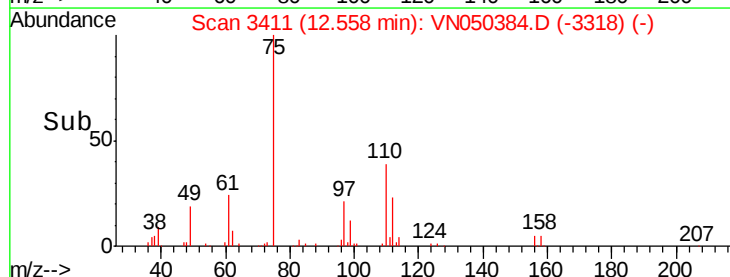
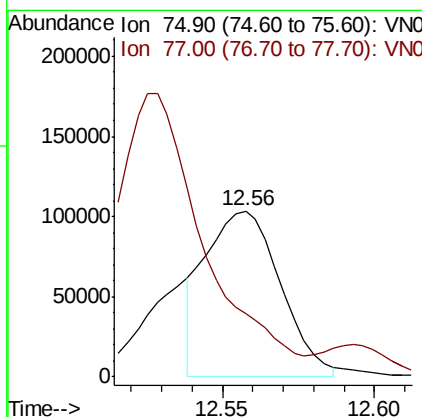
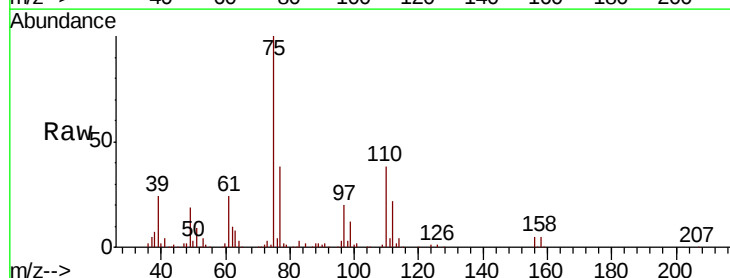
RT: 12.56 min Scan# 3411

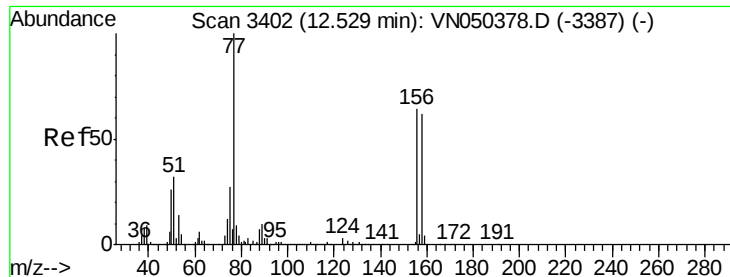
Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Tgt Ion:	75	Resp:	177719
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.38 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

Tot Ion:156 Resp: 197859

Ion Ratio Lower Upper

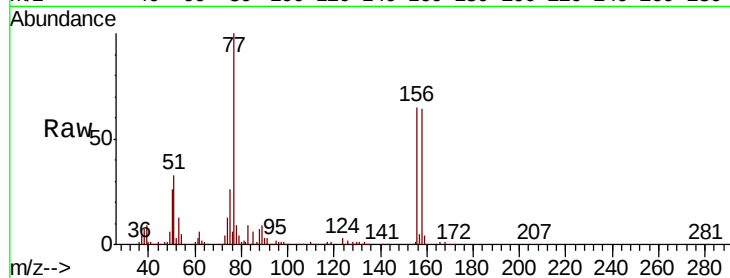
156 100

77 183.5 91.7 275.1

158 98.0 48.9 146.6

Manual Integrations
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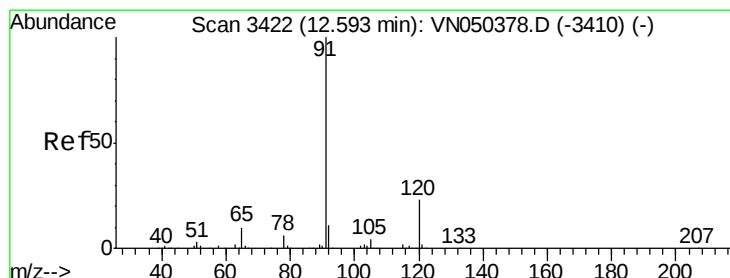
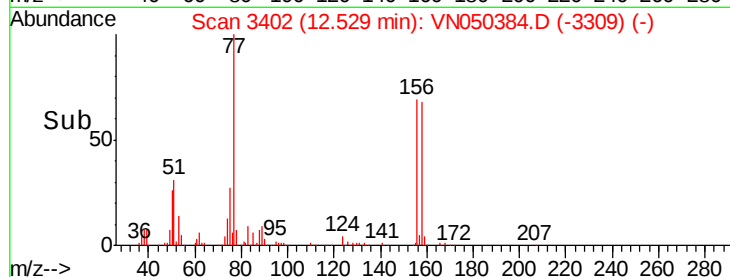
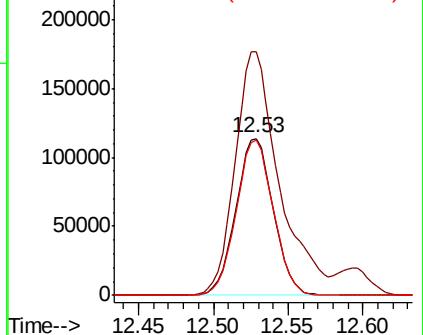
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.94 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050384.D

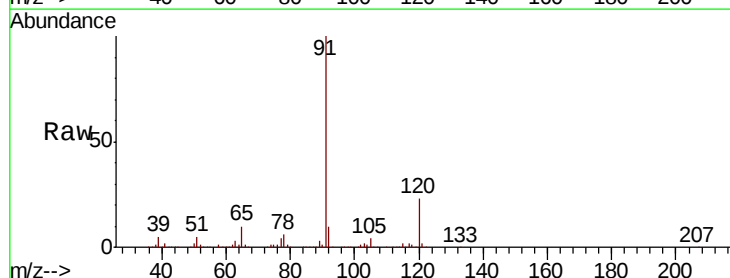
Acq: 6 Aug 2018 15:26

Tgt Ion: 91 Resp: 858897

Ion Ratio Lower Upper

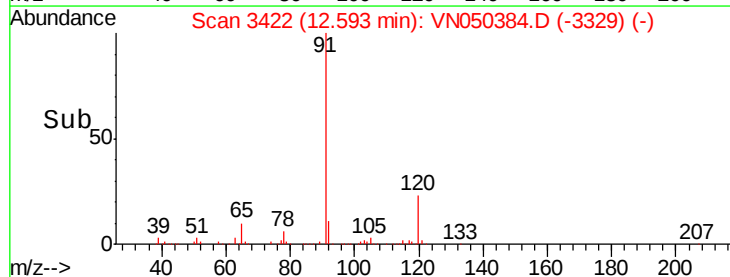
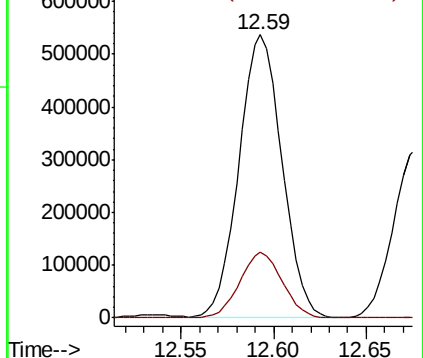
91 100

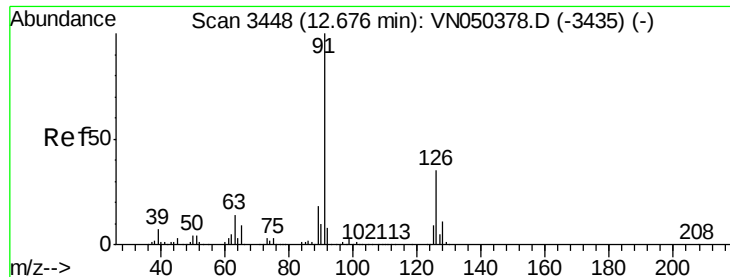
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.82 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0806WBSD01

Tot Ion: 91 Resp: 527489

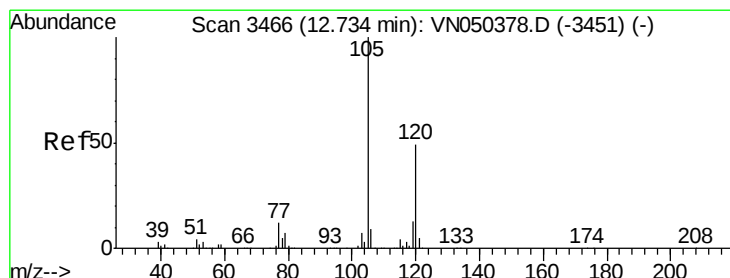
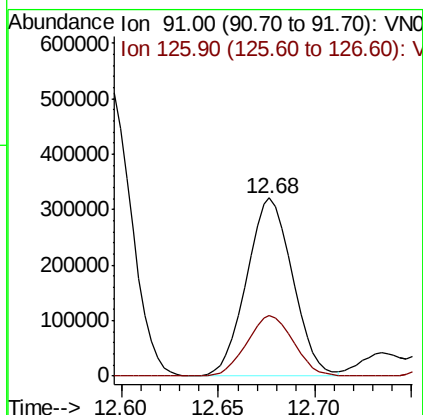
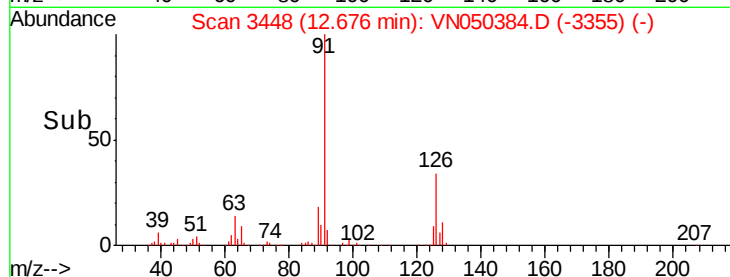
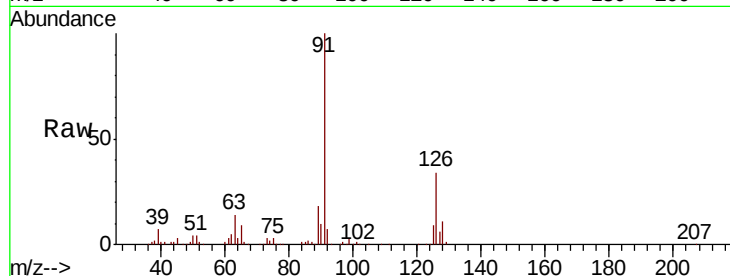
Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050384.D

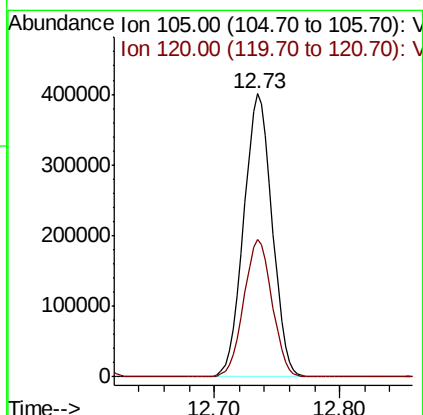
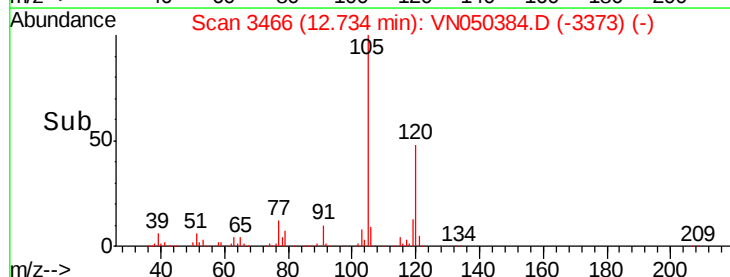
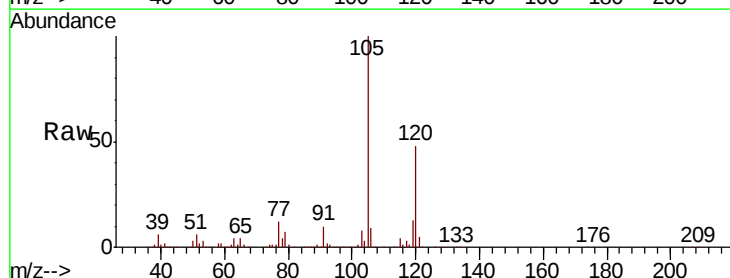
Acq: 6 Aug 2018 15:26

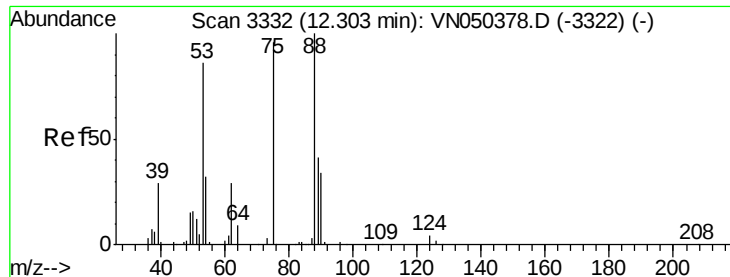
Tgt Ion: 105 Resp: 628987

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.02 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

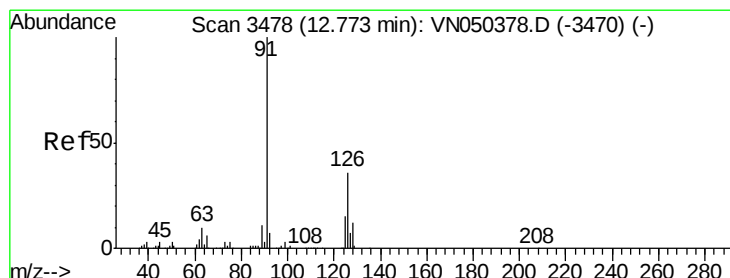
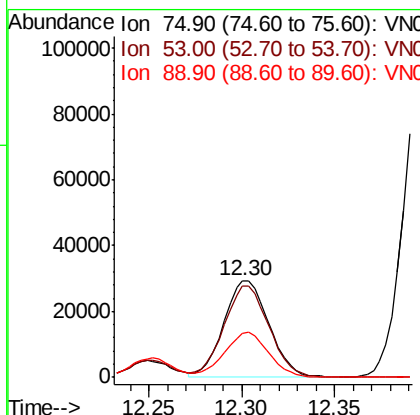
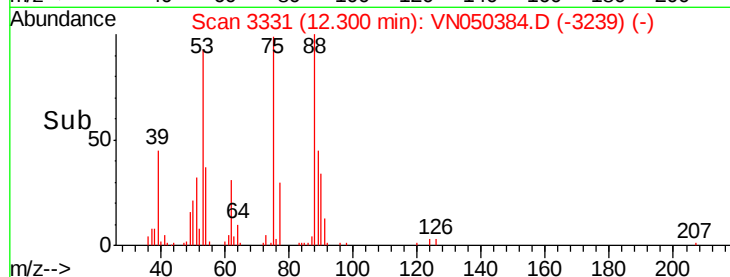
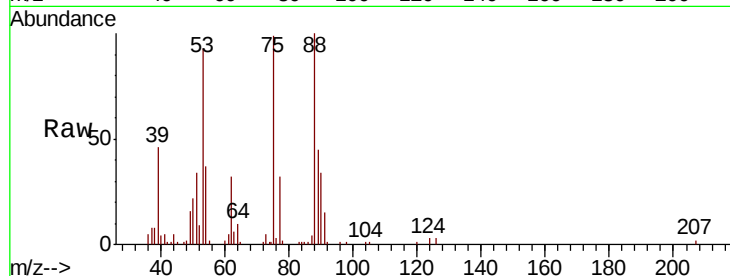
ClientSampled :

VN0806WBSD01

Tot Ion:	75	Resp:	49787
Ion Ratio	Lower	Upper	
75	100		
53	94.6	73.5	110.3
89	44.9	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.72 ug/l

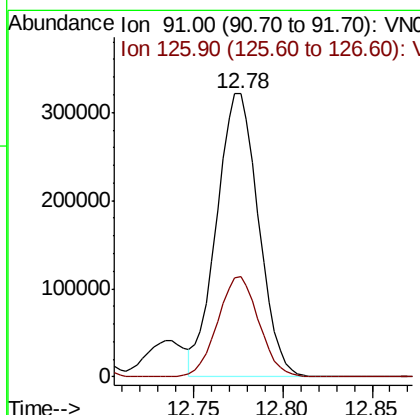
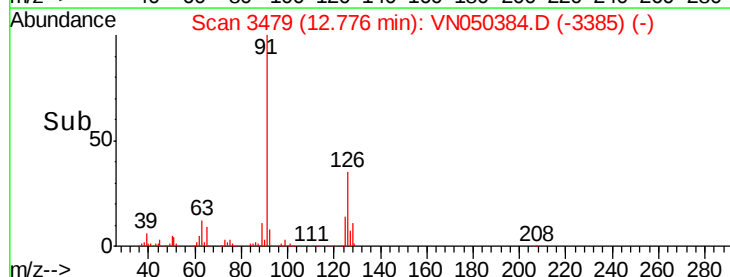
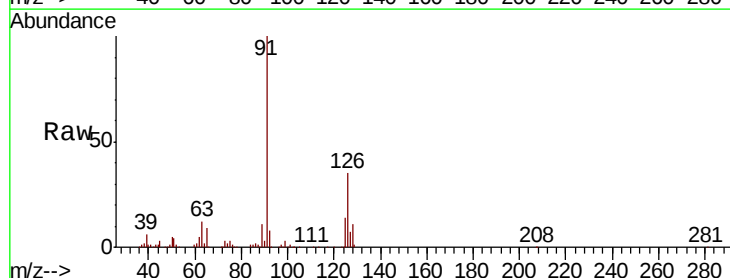
RT: 12.78 min Scan# 3479

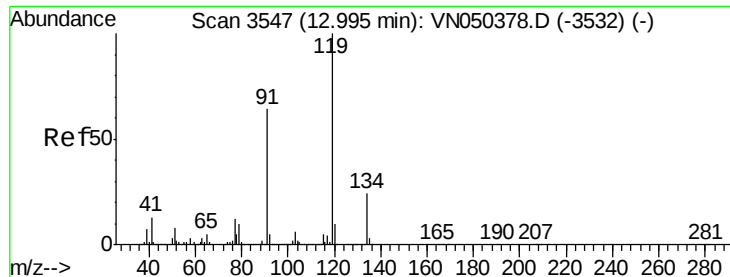
Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Tgt Ion:	91	Resp:	523444
Ion Ratio	Lower	Upper	
91	100		
126	34.8	17.0	51.0





#83

tert-Butylbenzene

Concen: 20.75 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

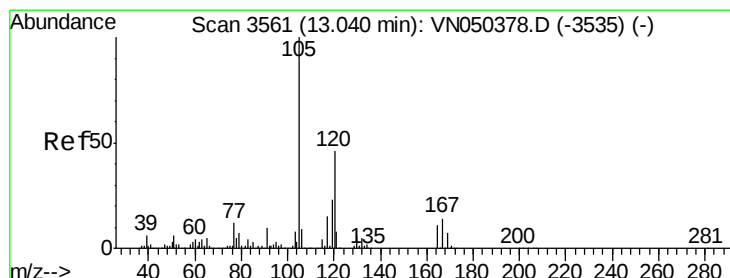
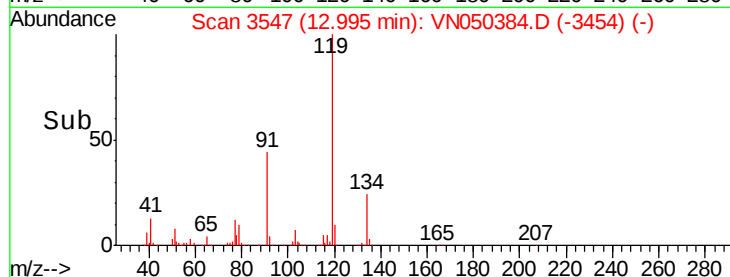
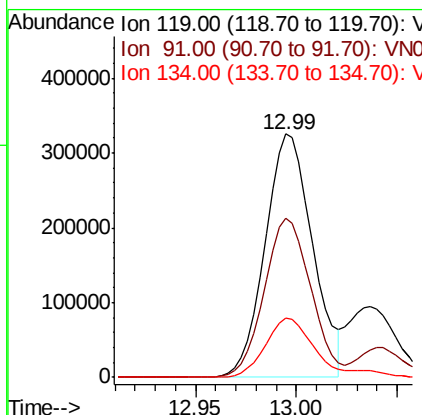
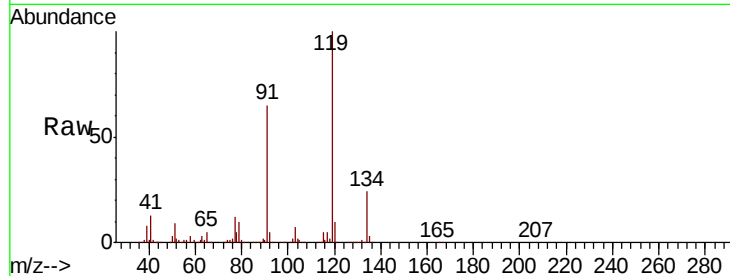
ClientSampleId :

VN0806WBSD01

Tot Ion:	119	Resp:	532519
Ion Ratio	Lower	Upper	
119	100		
91	64.1	32.1	96.3
134	26.4	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.36 ug/l

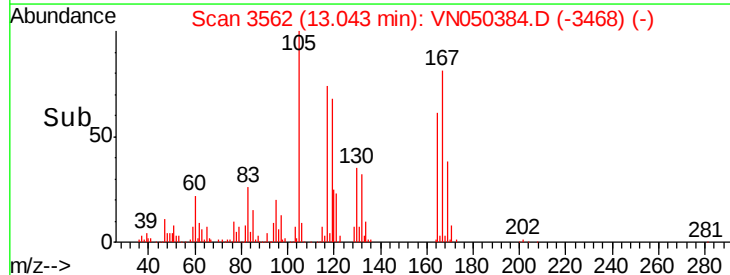
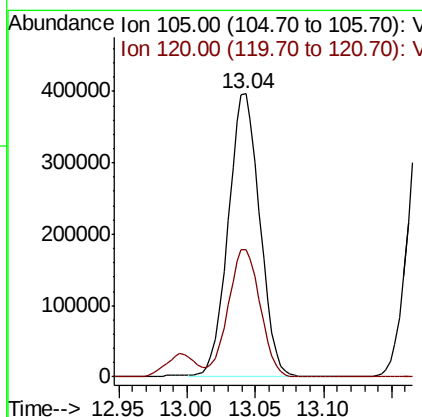
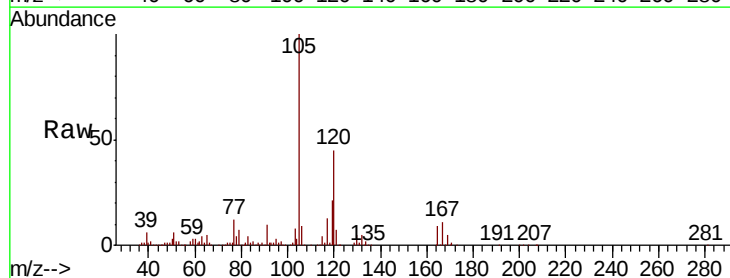
RT: 13.04 min Scan# 3562

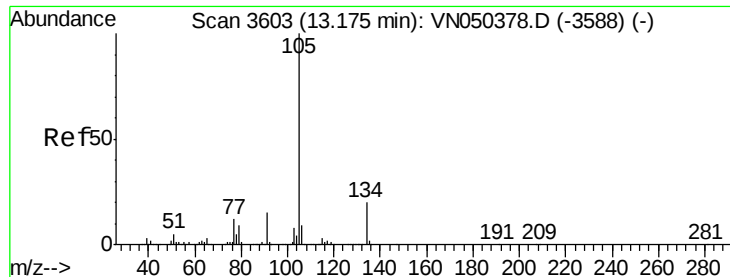
Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Tgt Ion:	105	Resp:	636326
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.69 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0806WBSD01

Tot Ion:105 Resp: 707499

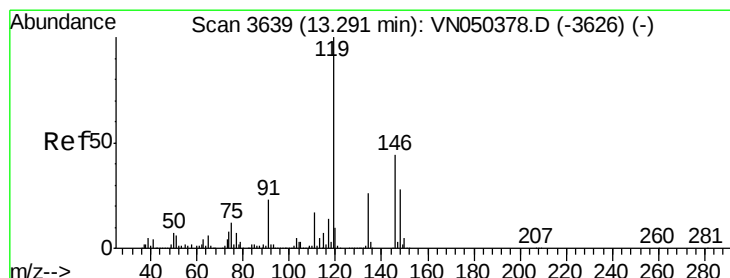
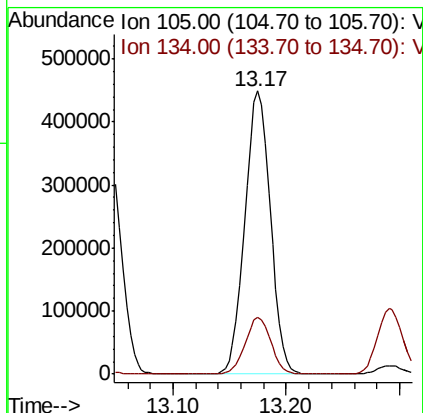
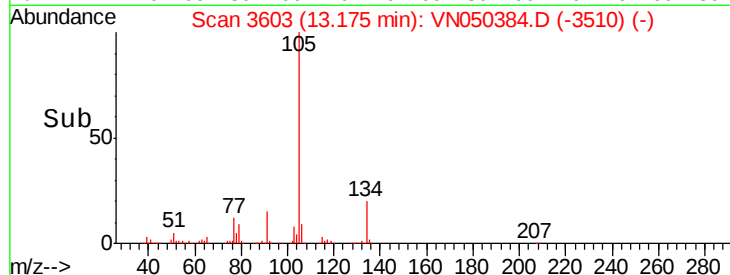
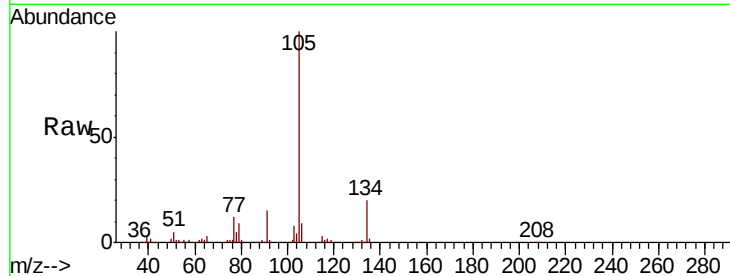
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.78 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

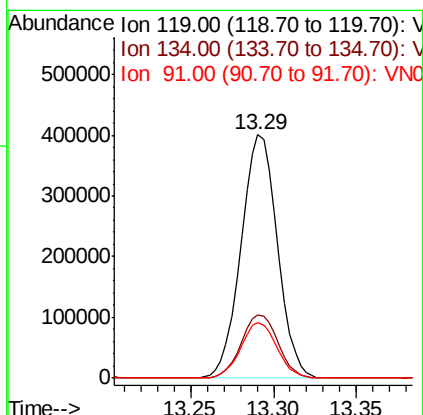
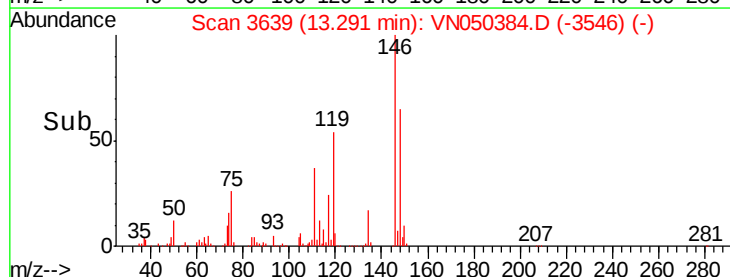
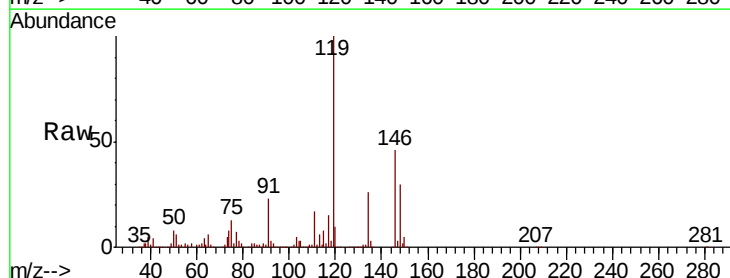
Tgt Ion:119 Resp: 609194

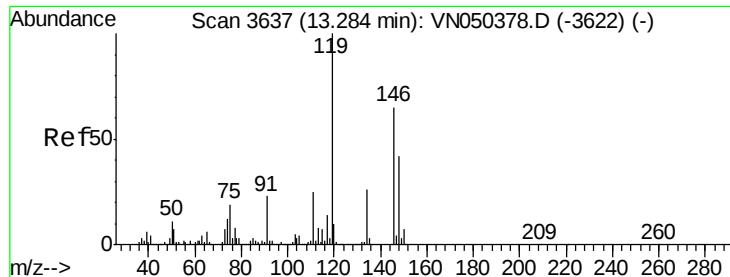
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 22.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.76 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Instrument :

MSVOA_N

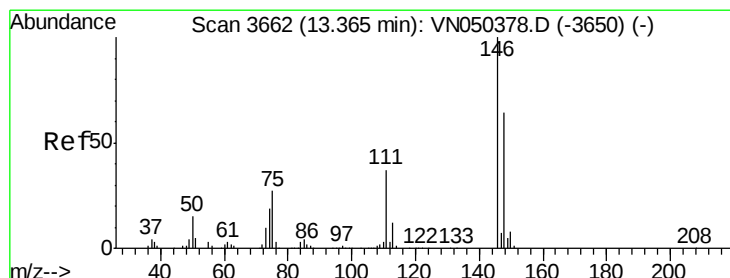
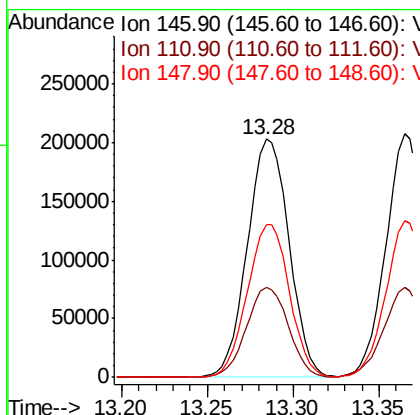
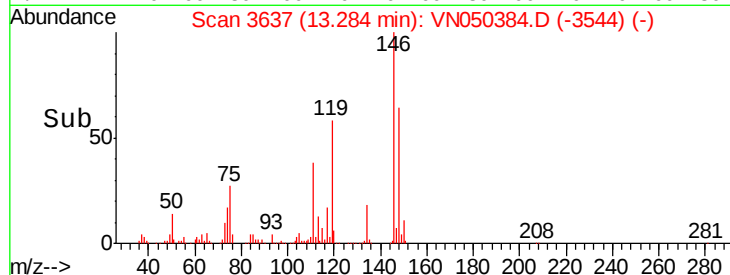
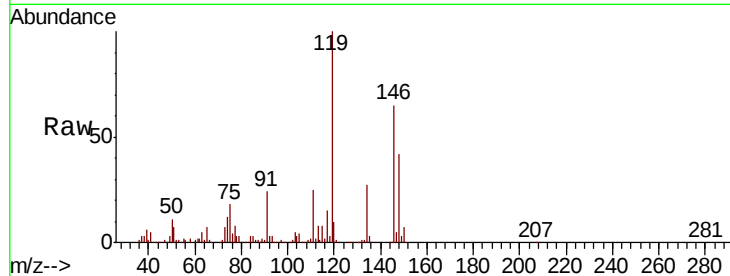
ClientSampleId :

VN0806WBSD01

Tot Ion:	146	Resp:	341694
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.8	56.4
148	64.8	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.38 ug/l

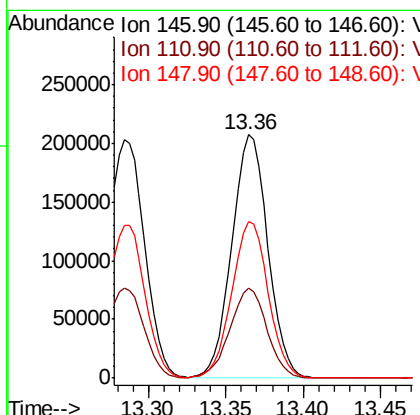
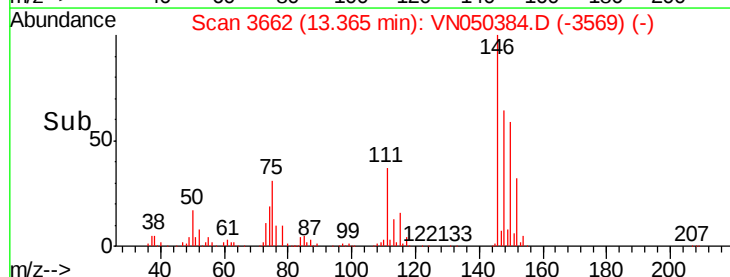
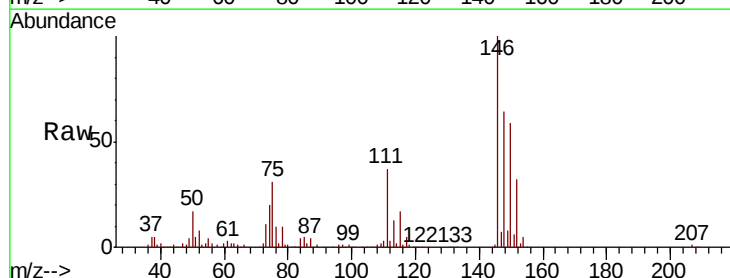
RT: 13.36 min Scan# 3662

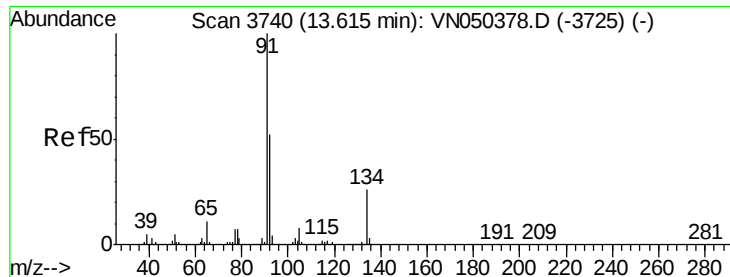
Delta R.T. 0.00 min

Lab File: VN050384.D

Acq: 6 Aug 2018 15:26

Tgt Ion:	146	Resp:	334671
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.3	54.9
148	65.1	31.9	95.9





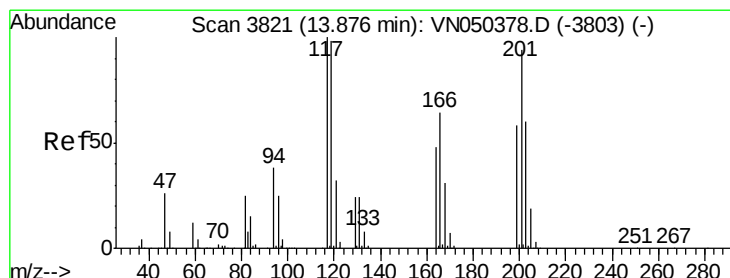
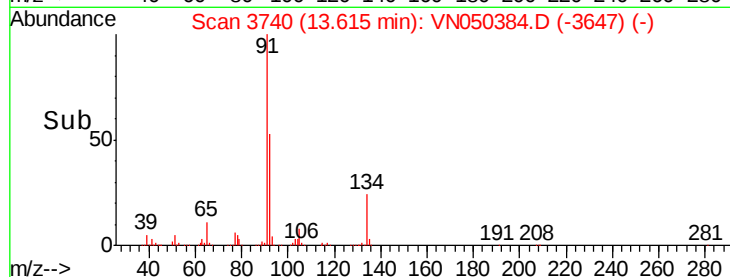
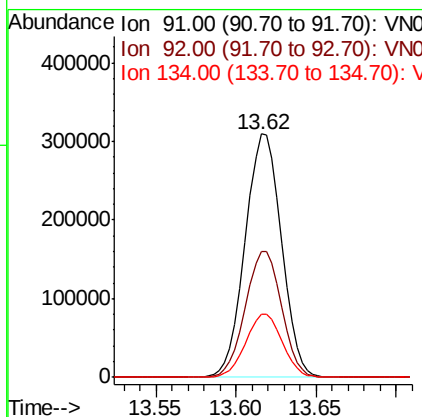
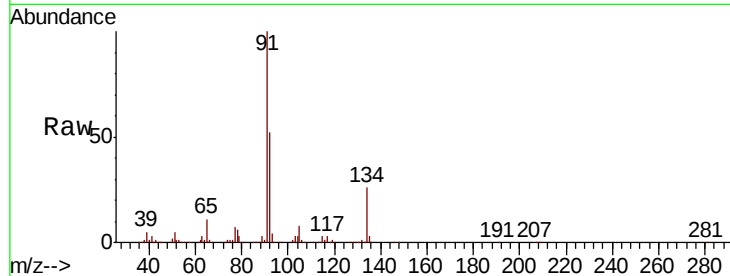
#89
n-Butylbenzene
Concen: 19.24 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.4
134	26.1	12.8	38.4

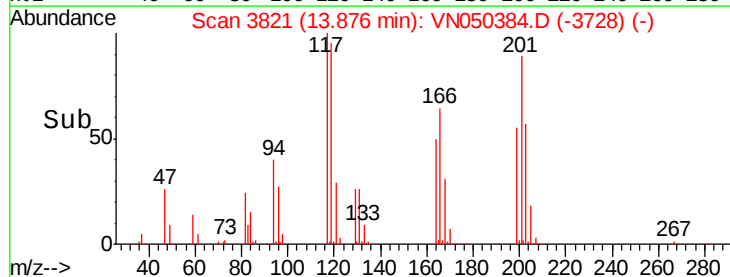
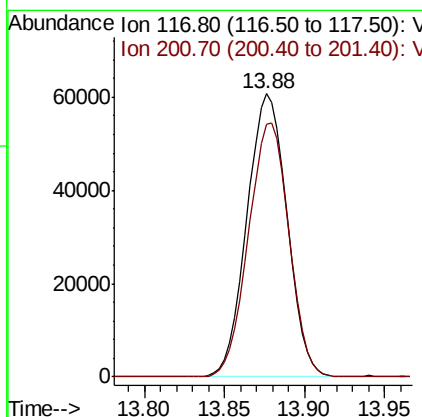
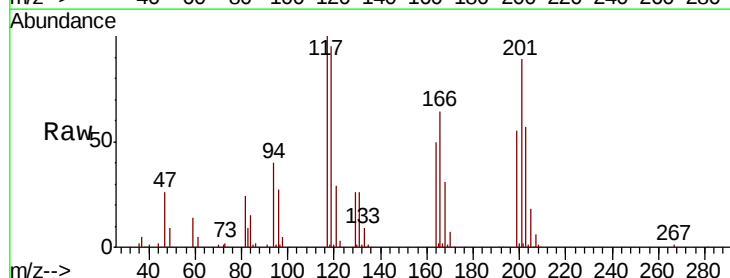
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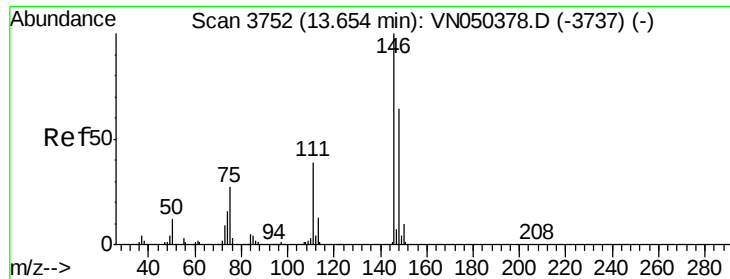
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#90
Hexachloroethane
Concen: 19.99 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	45.6	136.8





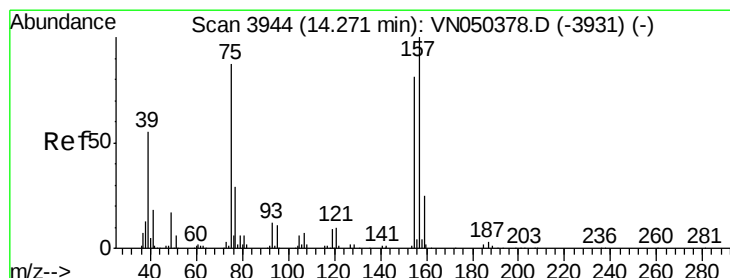
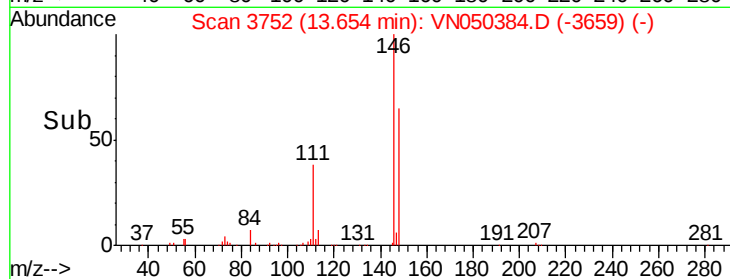
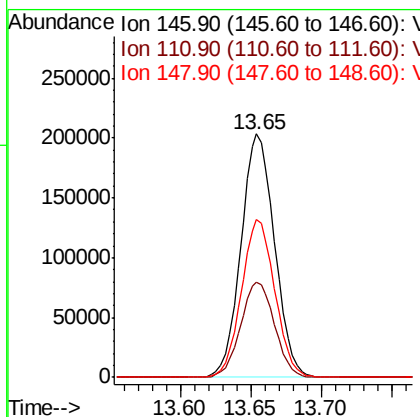
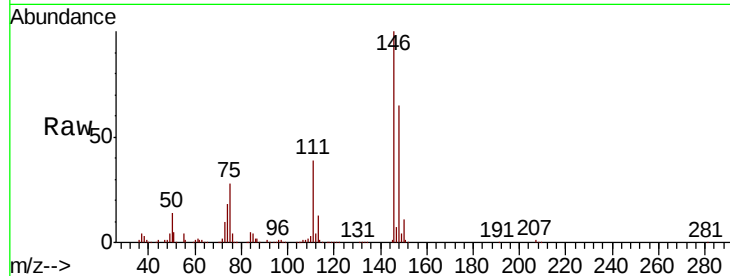
#91
 1,2-Dichlorobenzene
 Concen: 19.53 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.7
148	64.7	32.1	96.3

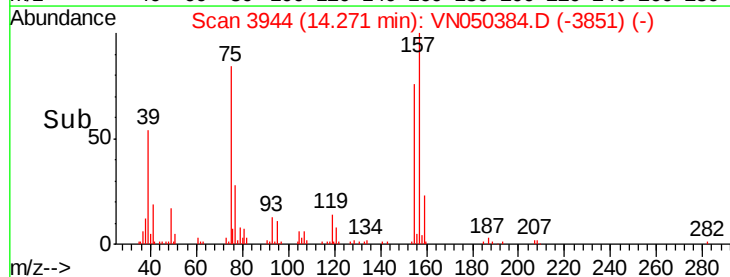
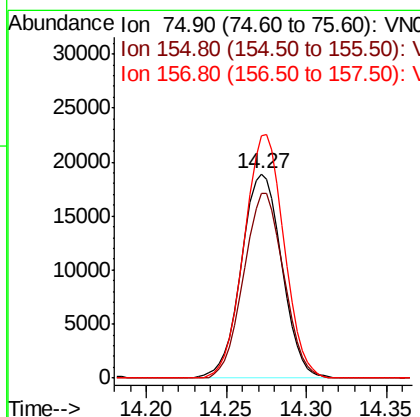
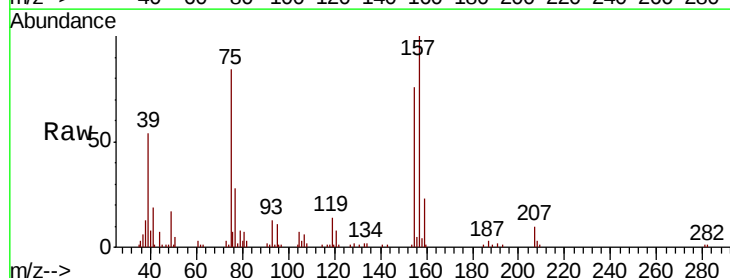
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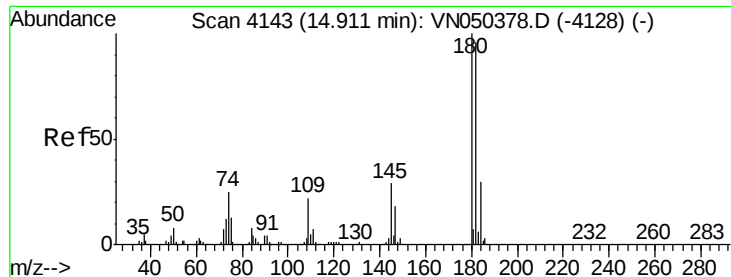
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.42 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	44.8	134.4
157	117.4	57.2	171.6





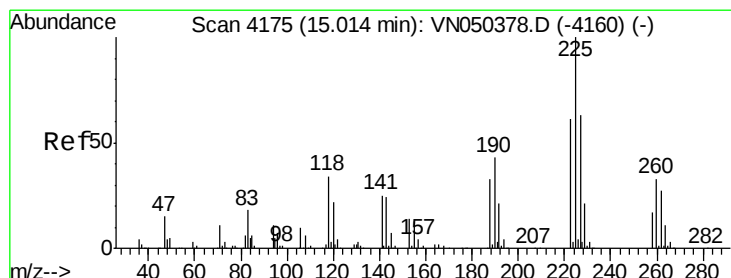
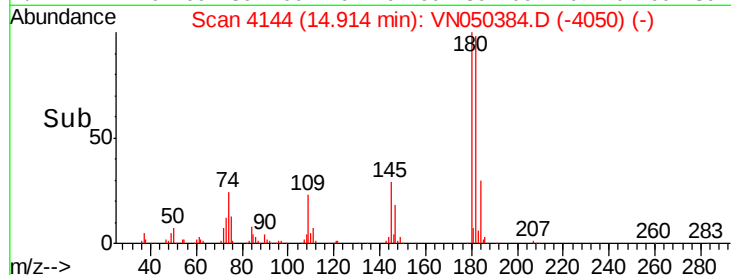
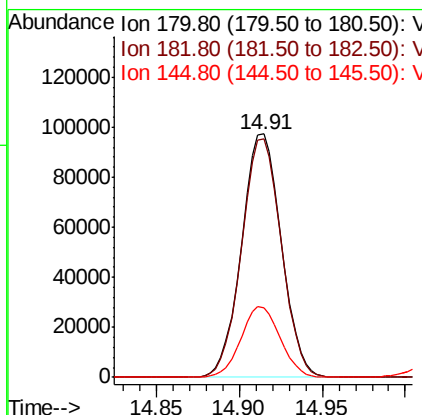
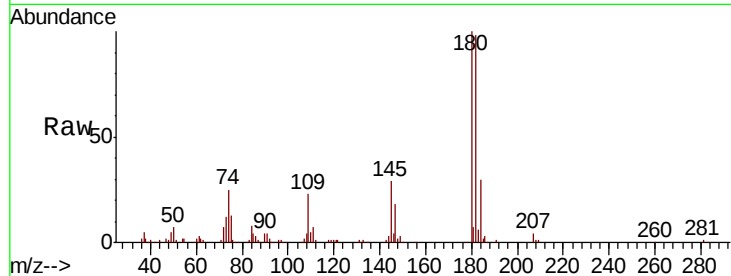
#93
 1,2,4-Trichlorobenzene
 Concen: 18.37 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162203		
182	97.7	46.7	140.1	
145	28.5	13.8	41.4	

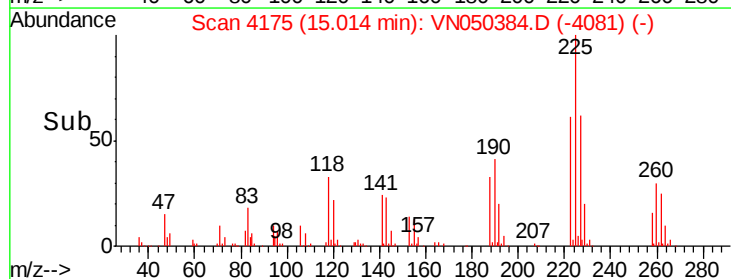
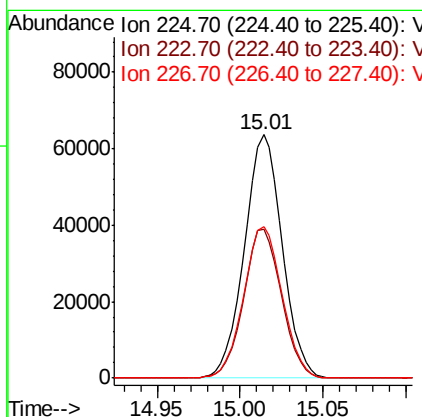
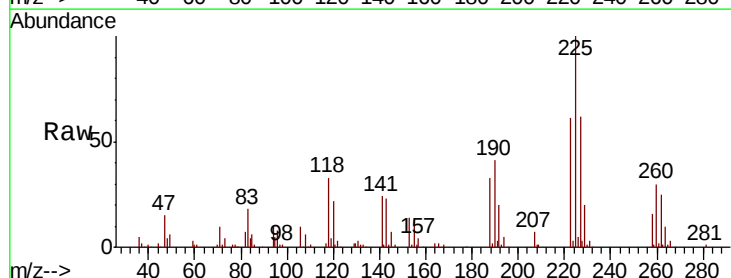
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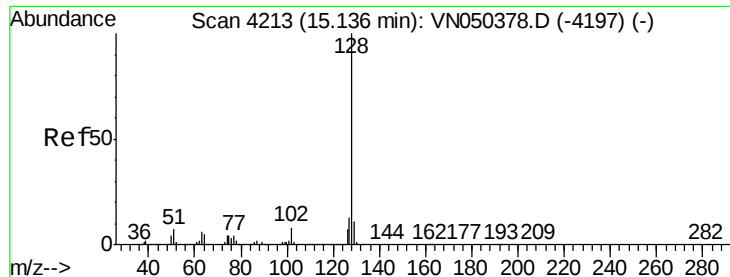
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#94
 Hexachlorobutadiene
 Concen: 19.99 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050384.D
 Acq: 6 Aug 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101155		
223	61.4	31.4	94.2	
227	63.2	32.1	96.5	





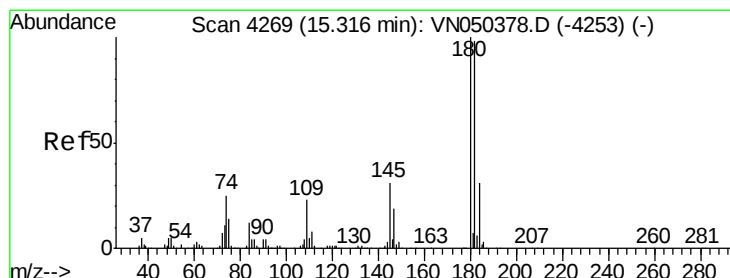
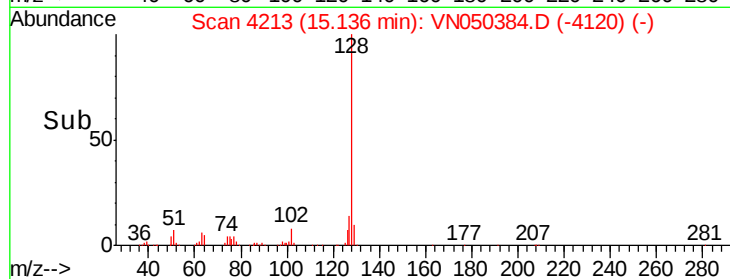
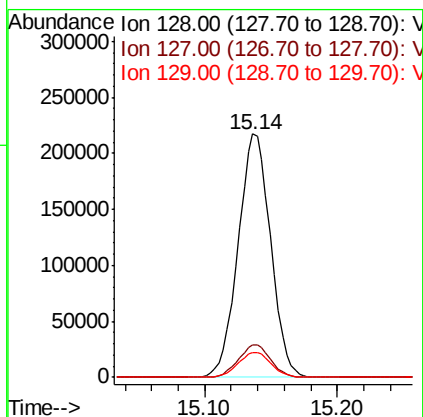
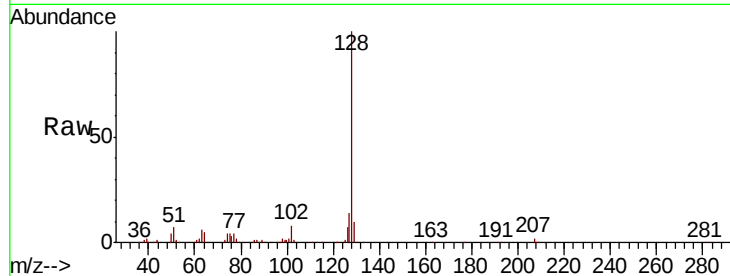
#95
Naphthalene
Concen: 18.26 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		368961		
127	13.3		10.4	15.6	
129	10.5		8.8	13.2	

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#96
1,2,3-Trichlorobenzene
Concen: 18.06 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050384.D
Acq: 6 Aug 2018 15:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		161209		
182	95.3		48.1	144.4	
145	30.5		15.3	45.9	

