

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051050.D
 Acq On : 7 Sep 2018 13:47
 Operator : MD\SY
 Sample : VN0907MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:53:35 AM

Quant Time: Sep 07 23:39:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	559469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	800208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	729976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	365878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	325910	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.59	113	306941	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	10.09	98	1143956	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.40	95	372072	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	166312	22.21	ug/l	100
3) Chloromethane	2.06	50	177961	19.27	ug/l	99
4) Vinyl Chloride	2.18	62	175275	20.04	ug/l	100
5) Bromomethane	2.56	94	92234	17.86	ug/l	100
6) Chloroethane	2.70	64	100371	19.86	ug/l	100
7) Trichlorofluoromethane	3.01	101	223310	19.94	ug/l	97
8) Diethyl Ether	3.41	74	77387	20.32	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	142451	20.35	ug/l	99
10) Methyl Iodide	3.95	142	94726	19.81	ug/l	99
11) Tert butyl alcohol	4.80	59	50644	118.08	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	124332	19.79	ug/l	94
13) Acrolein	3.61	56	21407	97.26	ug/l	98
14) Allyl chloride	4.32	41	189723	19.38	ug/l	98
15) Acrylonitrile	5.00	53	234797	107.72	ug/l	99
16) Acetone	3.82	43	181097	109.58	ug/l	97
17) Carbon Disulfide	4.05	76	385699	18.31	ug/l	99
18) Methyl Acetate	4.33	43	138055	21.71	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	333603	21.11	ug/l	100
20) Methylene Chloride	4.55	84	146531	19.30	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	130897	19.26	ug/l	99
22) Diisopropyl ether	5.95	45	400792	20.54	ug/l	96
23) Vinyl Acetate	5.90	43	1267391	100.86	ug/l	100
24) 1,1-Dichloroethane	5.85	63	246189	19.65	ug/l	99
25) 2-Butanone	6.84	43	266772	98.29	ug/l	98
26) 2,2-Dichloropropane	6.83	77	192762	19.15	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	146654	20.02	ug/l	98
28) Bromochloromethane	7.20	49	97218	18.26	ug/l	95
29) Tetrahydrofuran	7.21	42	176518	113.43	ug/l	98
30) Chloroform	7.37	83	245263	19.77	ug/l	99
31) Cyclohexane	7.65	56	215660	19.23	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	209016	19.62	ug/l	99
36) 1,1-Dichloropropene	7.80	75	181670	19.24	ug/l	98
37) Ethyl Acetate	6.93	43	115062	21.21	ug/l	99
38) Carbon Tetrachloride	7.77	117	186042	19.49	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	195410	19.13	ug/l	98
40) Benzene	8.04	78	569694	20.01	ug/l	99
41) Methacrylonitrile	7.18	41	60824	20.72	ug/l	97
42) 1,2-Dichloroethane	8.13	62	169689	19.93	ug/l	99
43) Isopropyl Acetate	8.17	43	196465	21.07	ug/l	99
44) Trichloroethene	8.84	130	149645	19.93	ug/l	100
45) 1,2-Dichloropropane	9.12	63	147979	19.77	ug/l	99
46) Dibromomethane	9.21	93	89161	20.28	ug/l	98
47) Bromodichloromethane	9.40	83	181494	19.71	ug/l	99
48) Methyl methacrylate	9.20	41	96477	20.30	ug/l	98
49) 1,4-Dioxane	9.20	88	31429	485.05	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	577857	103.83	ug/l	98
52) Toluene	10.16	92	348266	20.65	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	180201	19.66	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	210329	20.04	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	127317	20.34	ug/l	99
56) Ethyl methacrylate	10.43	69	148133	19.68	ug/l	99
57) 1,3-Dichloropropane	10.71	76	211135	20.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	289724	89.76	ug/l	99
59) 2-Hexanone	10.75	43	382587	103.26	ug/l	99
60) Dibromochloromethane	10.90	129	141560	20.19	ug/l	100
61) 1,2-Dibromoethane	11.01	107	124953	20.64	ug/l	97
64) Tetrachloroethene	10.63	164	136952	19.75	ug/l	97
65) Chlorobenzene	11.43	112	373336	19.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	140516	20.13	ug/l	99
67) Ethyl Benzene	11.51	91	606982	19.57	ug/l	99
68) m/p-Xylenes	11.62	106	485922	41.27	ug/l	99
69) o-Xylene	11.95	106	232154	20.51	ug/l	98
70) Styrene	11.96	104	361605	18.94	ug/l	99
71) Bromoform	12.13	173	100459	20.93	ug/l #	100
73) Isopropylbenzene	12.25	105	607026	20.04	ug/l	100
74) N-amyl acetate	12.07	43	156927	20.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	166511	22.14	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	130406m	20.35	ug/l	
77) Bromobenzene	12.53	156	158348	19.23	ug/l	99
78) n-propylbenzene	12.59	91	670132	19.80	ug/l	99
79) 2-Chlorotoluene	12.67	91	415028	19.69	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	501102	20.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38336	20.22	ug/l	96
82) 4-Chlorotoluene	12.77	91	408553	19.63	ug/l	100
83) tert-Butylbenzene	12.99	119	422614	19.96	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	506134	20.58	ug/l	99
85) sec-Butylbenzene	13.17	105	559617	20.17	ug/l	100
86) p-Isopropyltoluene	13.29	119	481875	20.39	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	268912	19.25	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	259544	18.87	ug/l	99
89) n-Butylbenzene	13.62	91	347104	18.36	ug/l	99
90) Hexachloroethane	13.88	117	92005	20.53	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	263529	19.55	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22370	20.56	ug/l	99

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Instrument :
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ClientSampleId :
VN0907MBS01

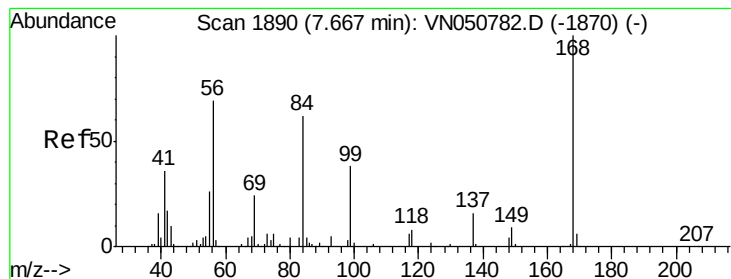
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98281	16.95	ug/l	99
94) Hexachlorobutadiene	15.01	225	83978	20.35	ug/l	99
95) Naphthalene	15.13	128	185607	16.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	103517	18.01	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

Tot Ion:168 Resp: 559469

Ion Ratio Lower Upper

168 100

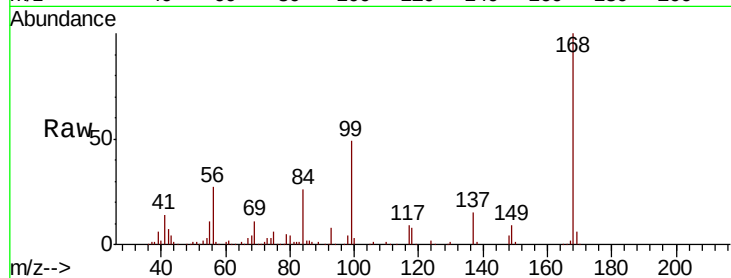
99 48.9 39.6 59.4

Manual Integrations

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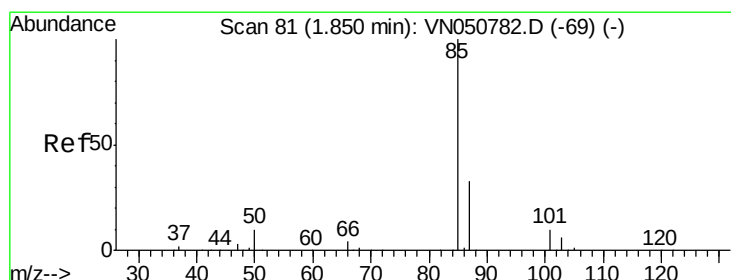
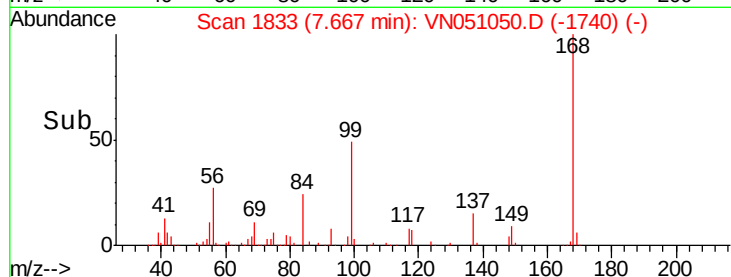
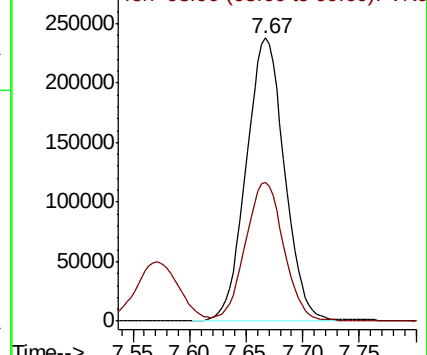
MMDadoda

9/10/2018 11:53:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 22.21 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051050.D

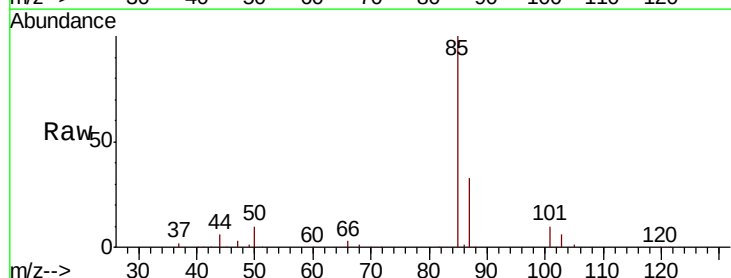
Acq: 7 Sep 2018 13:47

Tgt Ion: 85 Resp: 166312

Ion Ratio Lower Upper

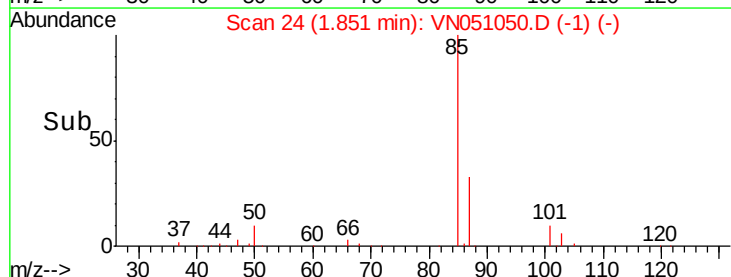
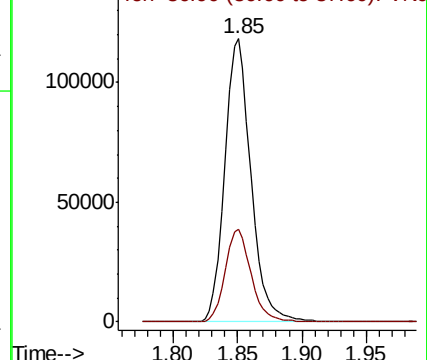
85 100

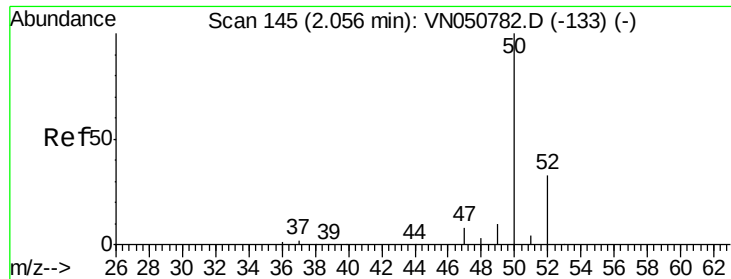
87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.27 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

Tot Ion: 50 Resp: 177961

Ion Ratio Lower Upper

50 100

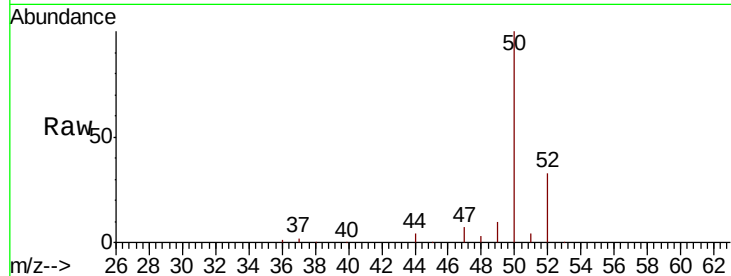
52 32.6 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

150000

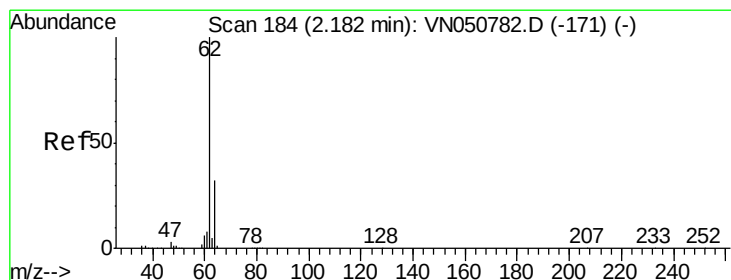
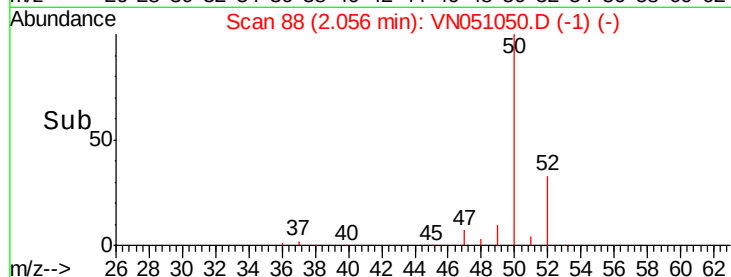
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 20.04 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051050.D

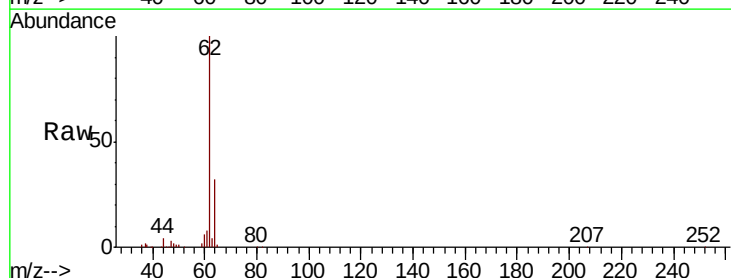
Acq: 7 Sep 2018 13:47

Tgt Ion: 62 Resp: 175275

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

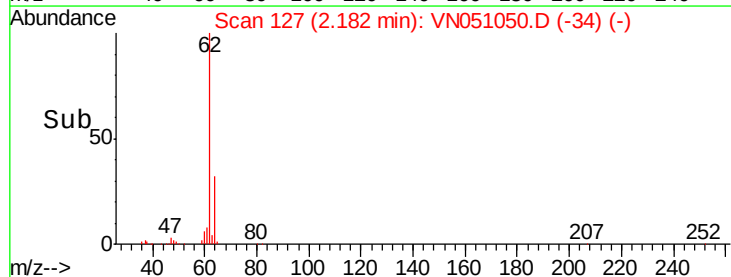
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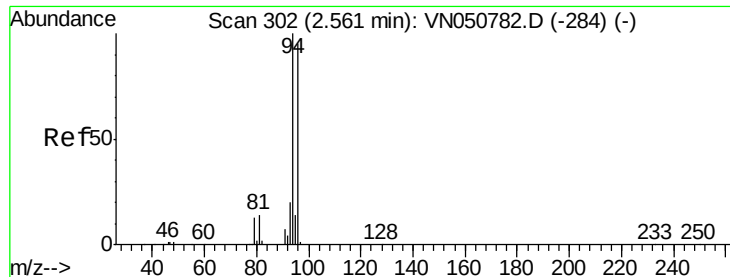
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 17.86 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

Tot Ion: 94 Resp: 92234

Ion Ratio Lower Upper

94 100

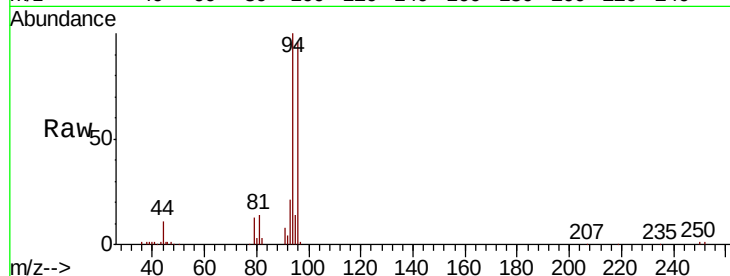
96 95.3 76.2 114.2

Manual Integrations

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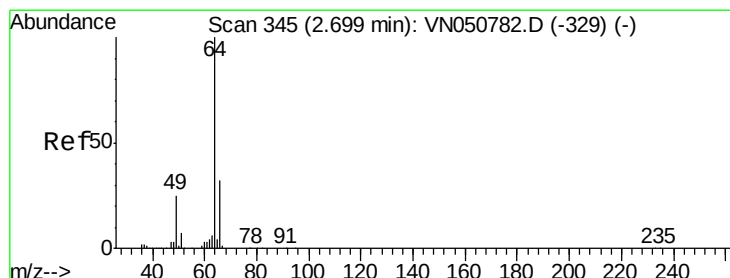
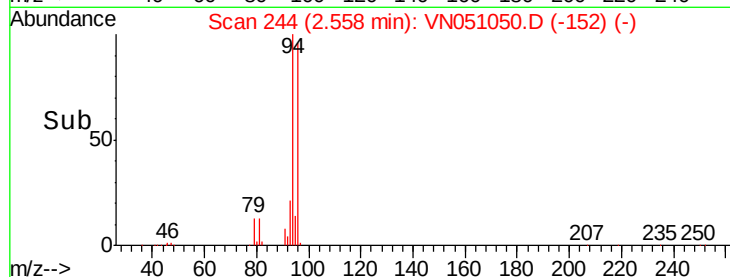
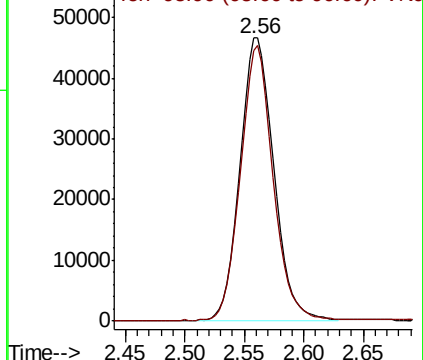
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9/10/2018 11:53:35 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.86 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051050.D

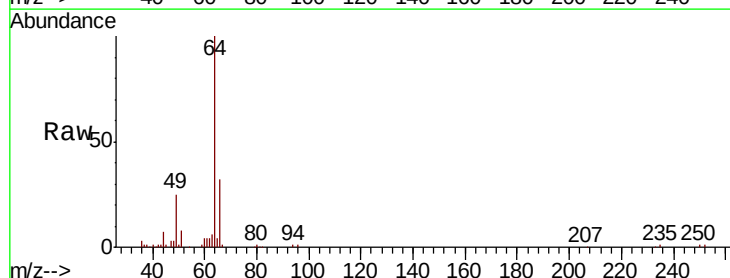
Acq: 7 Sep 2018 13:47

Tgt Ion: 64 Resp: 100371

Ion Ratio Lower Upper

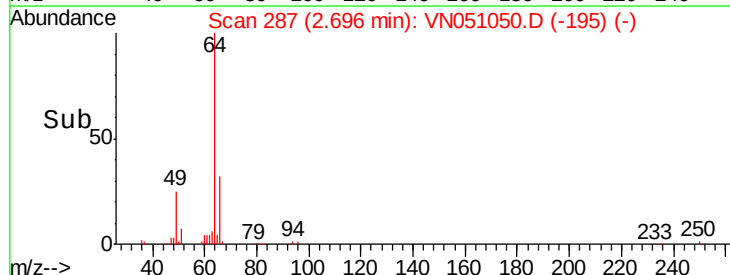
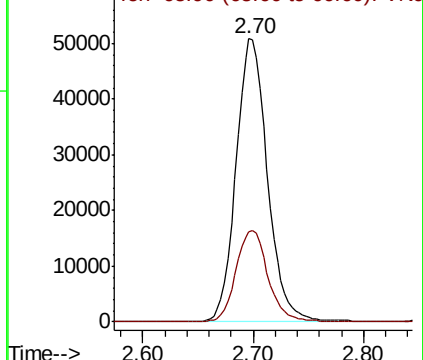
64 100

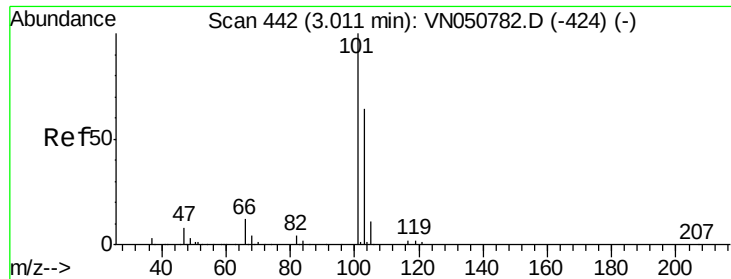
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

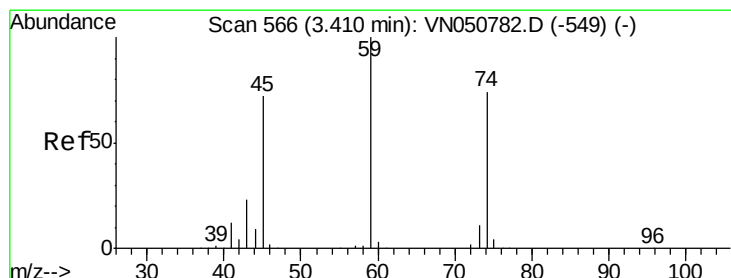
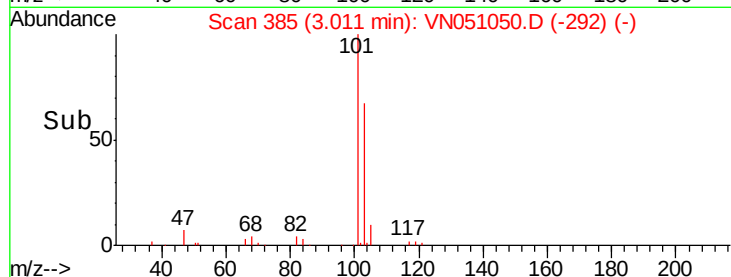
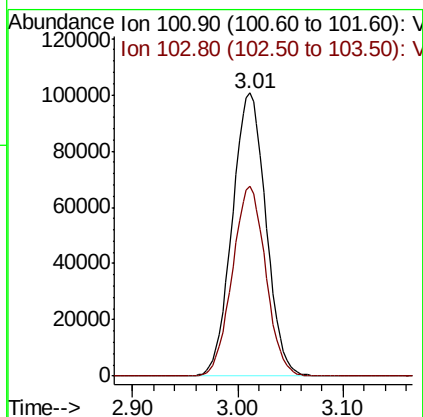
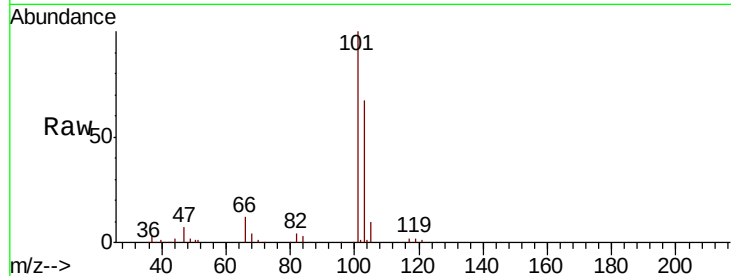
Trichlorofluoromethane
 Concen: 19.94 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	223310		
103	67.1	51.6	77.4	

Manual Integrations
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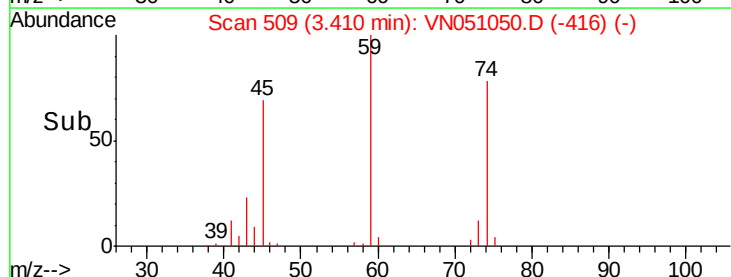
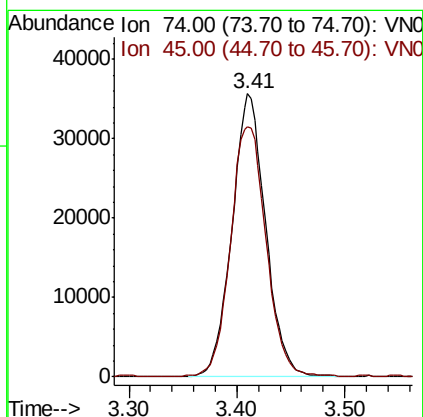
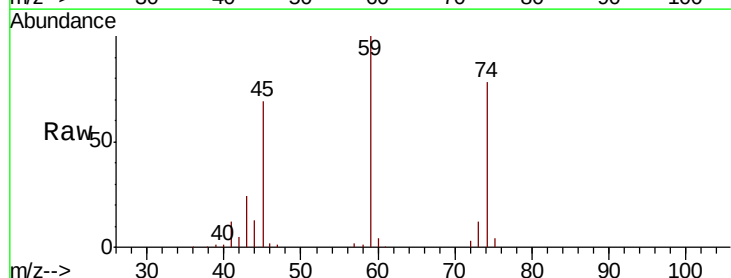
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 9/10/2018 11:53:35 AM

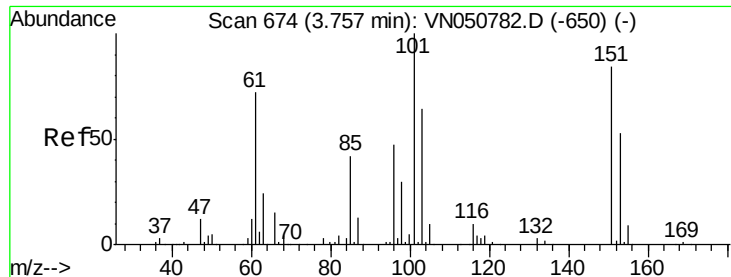


#8

Diethyl Ether
 Concen: 20.32 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	77387		
45	94.0	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.35 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

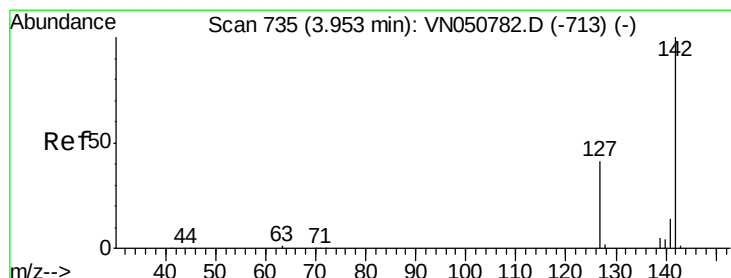
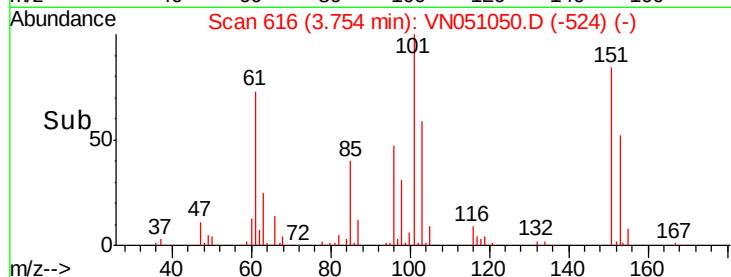
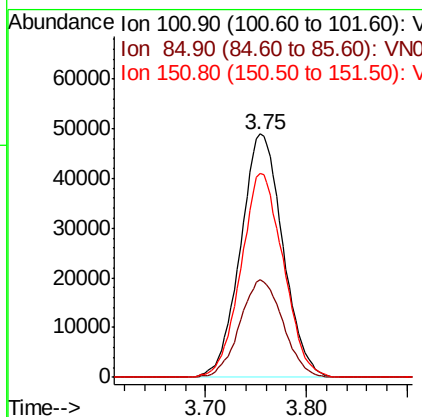
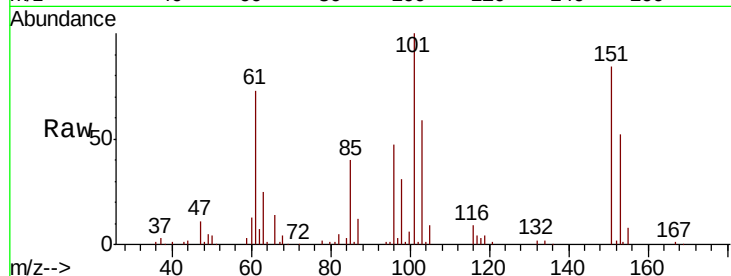
ClientSampled :

VN0907MBS01

Tot Ion:	101	Resp:	142451
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.7	50.5
151	83.9	67.4	101.2

Manual Integrations
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9/10/2018 11:53:35 AM



#10

Methyl Iodide

Concen: 19.81 ug/l

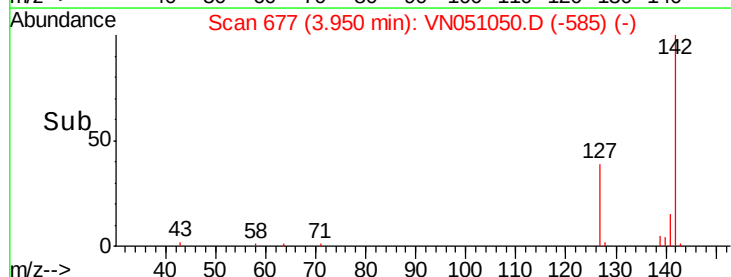
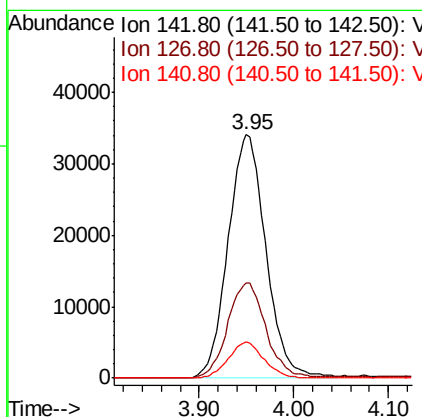
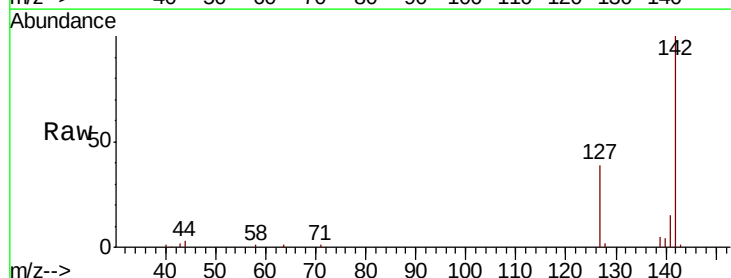
RT: 3.95 min Scan# 677

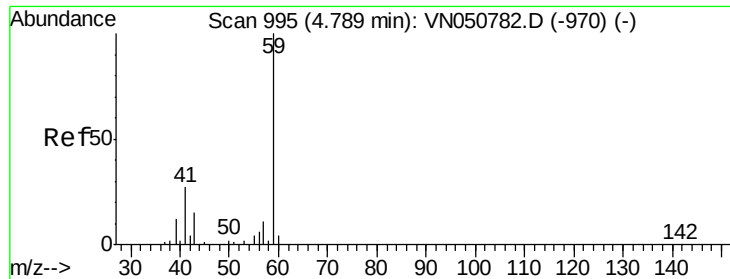
Delta R.T. -0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Tgt Ion:	142	Resp:	94726
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.7	47.5
141	13.8	11.4	17.0





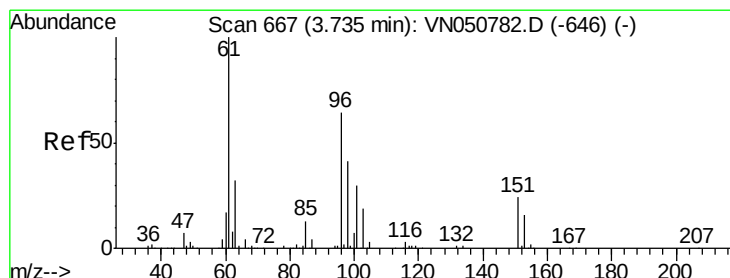
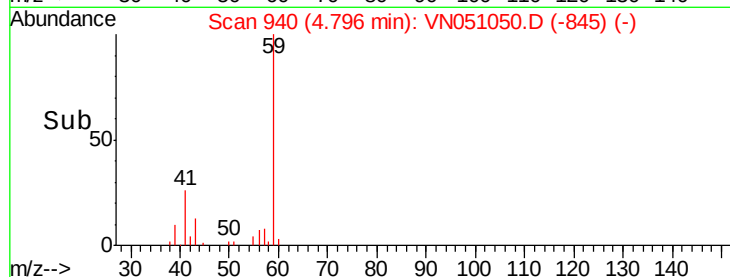
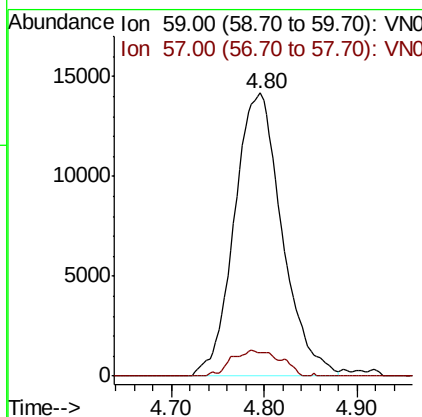
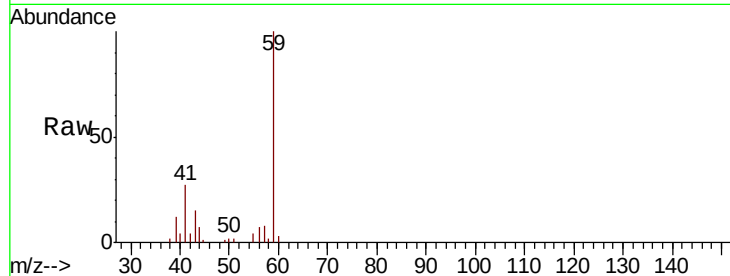
#11
Tert butyl alcohol
Concen: 118.08 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	59.00	Resp	50644
Ion Ratio	100	Lower	Upper
59	100		
57	5.5	8.3	12.5#

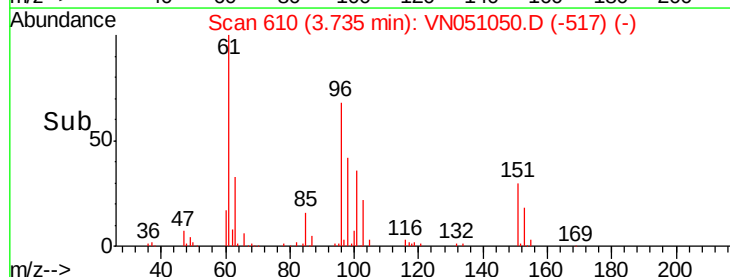
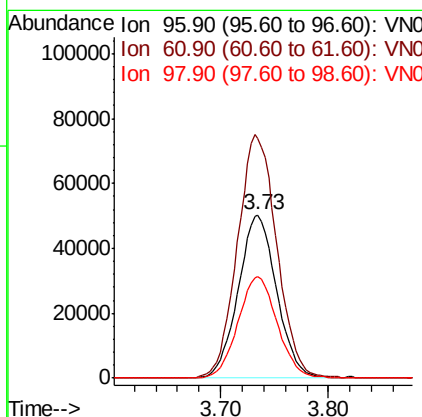
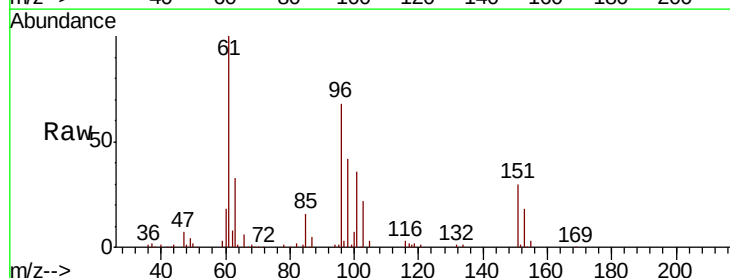
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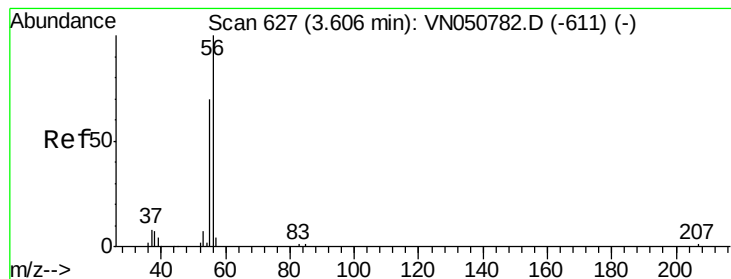
MMDadoda
9/10/2018 11:53:35 AM



#12
1,1-Dichloroethene
Concen: 19.79 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	96	Resp	124332
Ion Ratio	100	Lower	Upper
96	100		
61	146.8	124.9	187.3
98	62.3	51.1	76.7





#13

Acrolein

Concen: 97.26 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

Tot Ion: 56 Resp: 21407

Ion Ratio Lower Upper

56 100

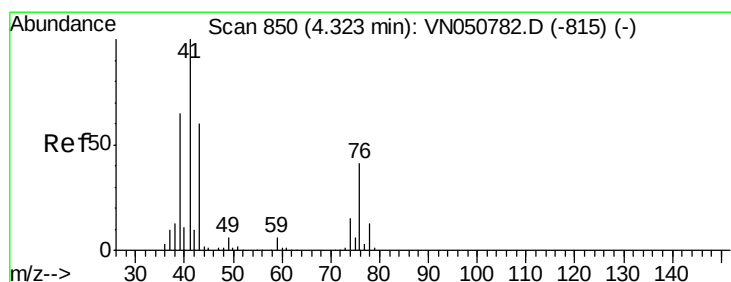
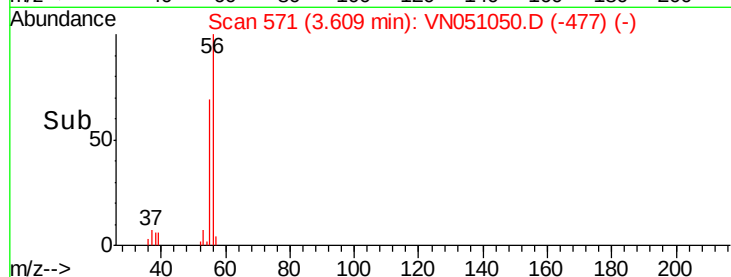
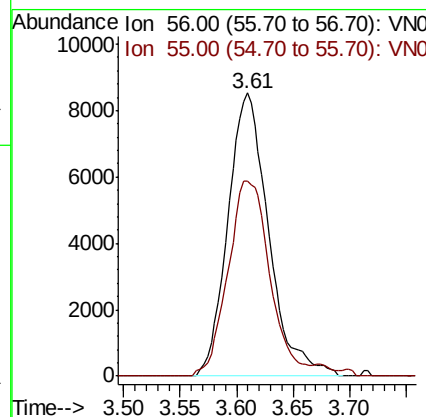
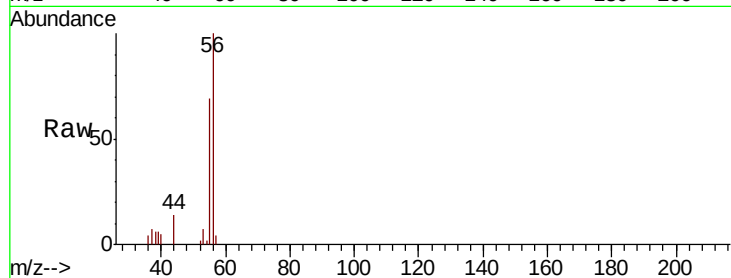
55 70.6 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.38 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

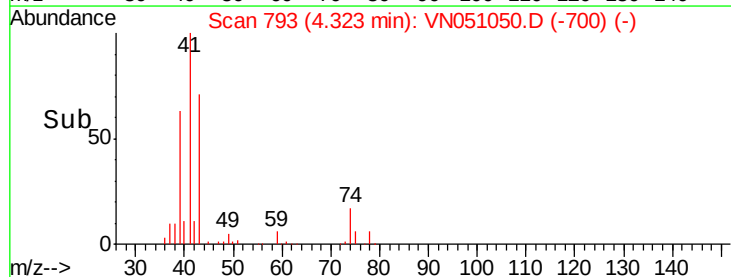
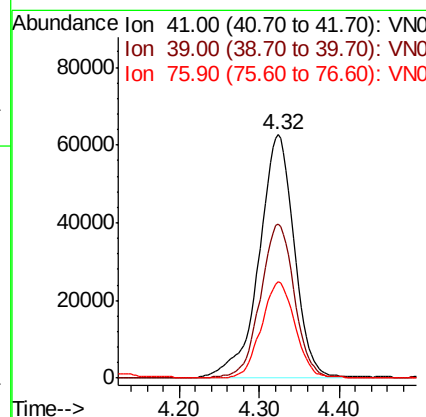
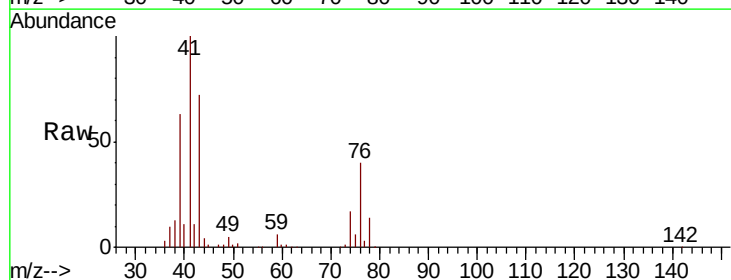
Tgt Ion: 41 Resp: 189723

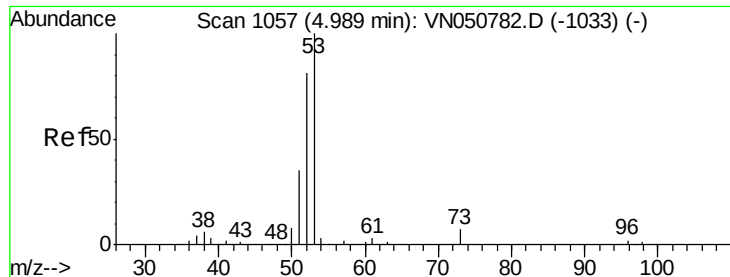
Ion Ratio Lower Upper

41 100

39 61.2 50.2 75.2

76 36.8 29.8 44.8





#15

Acrylonitrile

Concen: 107.72 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

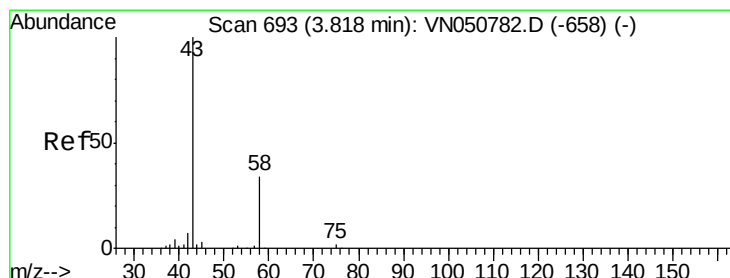
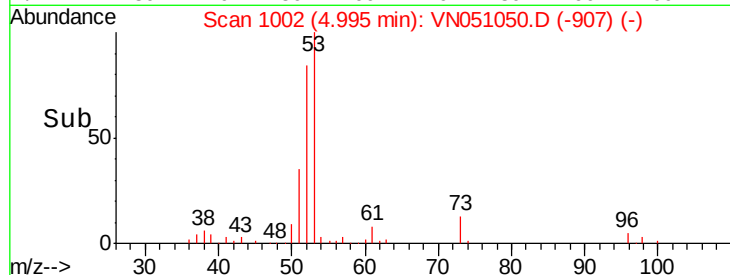
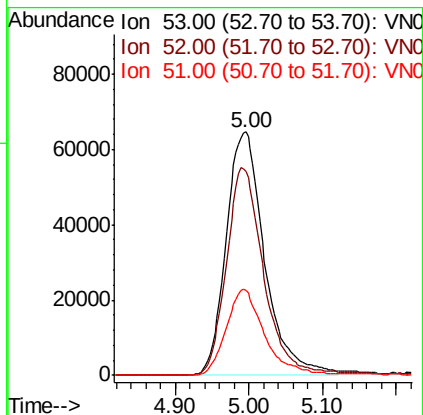
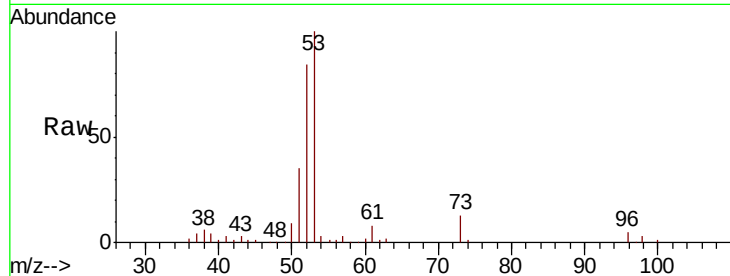
ClientSampleId :

VN0907MBS01

Tot Ion:	53	Resp:	234797
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.9	98.9
51	34.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 109.58 ug/l

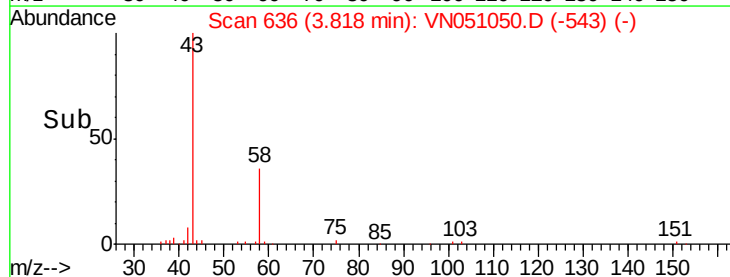
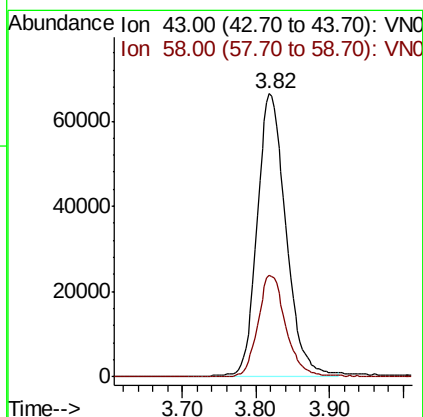
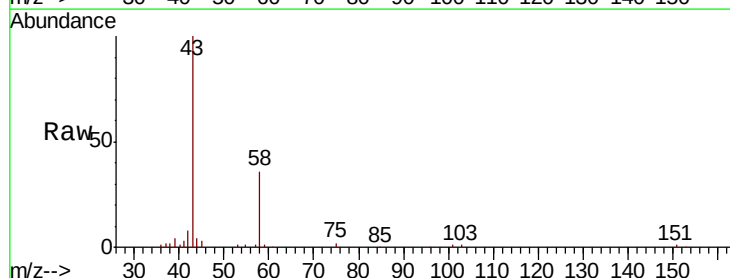
RT: 3.82 min Scan# 636

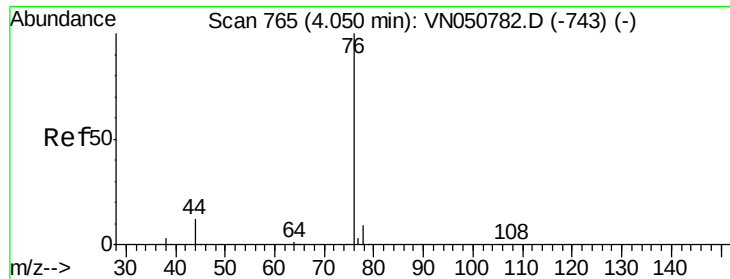
Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Tgt Ion:	43	Resp:	181097
Ion Ratio	Lower	Upper	
43	100		
58	35.8	27.2	40.8





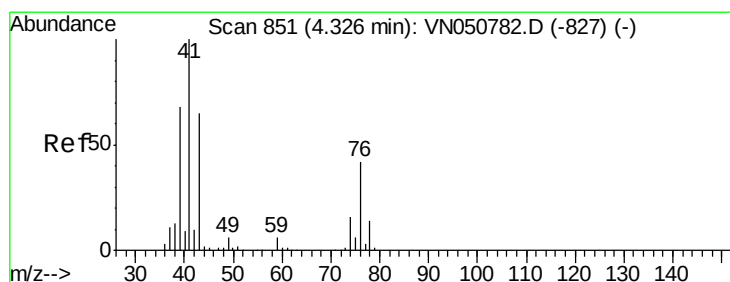
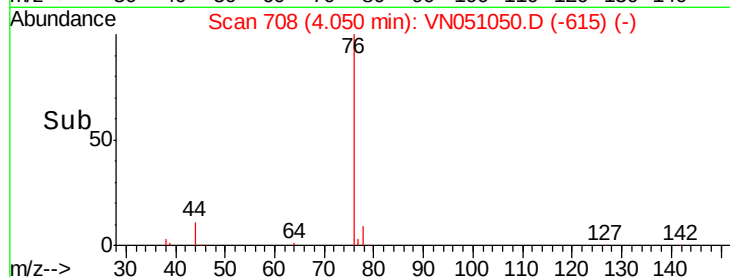
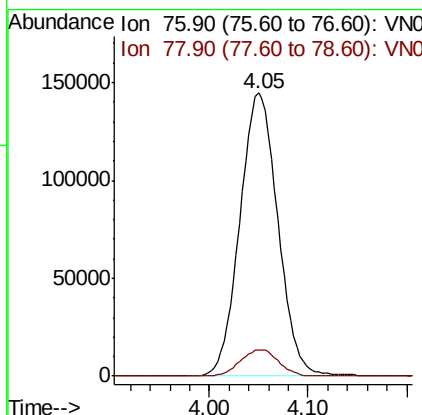
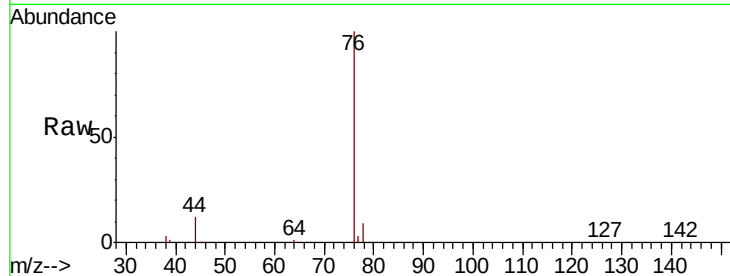
#17
Carbon Disulfide
Concen: 18.31 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

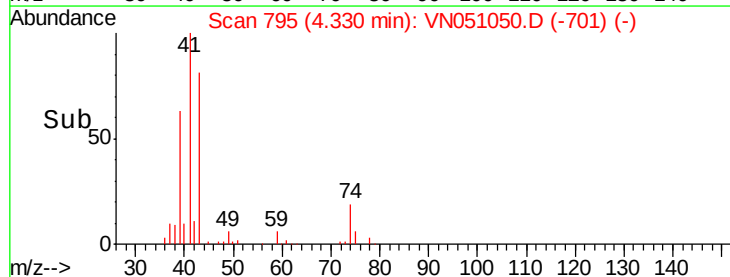
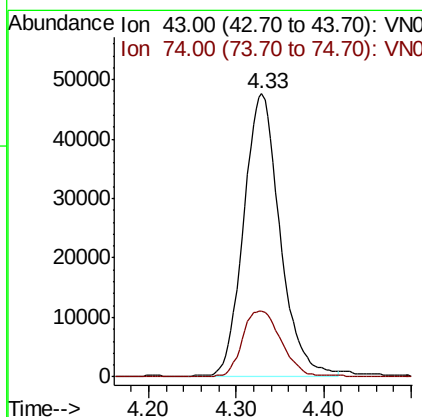
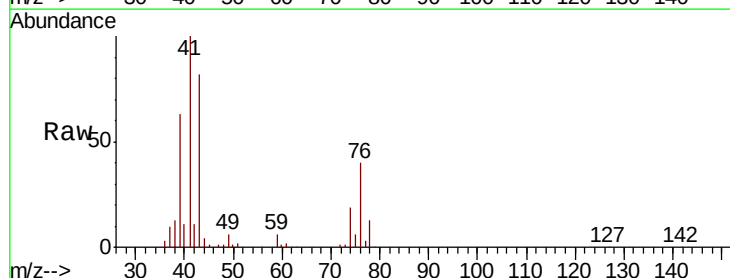
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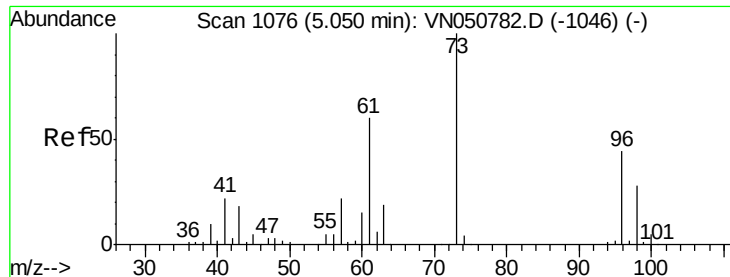
MMDadoda
9/10/2018 11:53:35 AM



#18
Methyl Acetate
Concen: 21.71 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





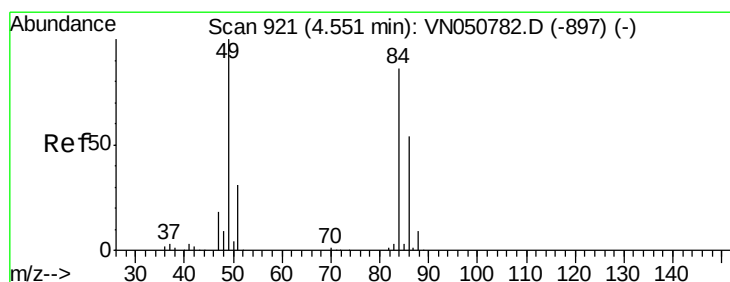
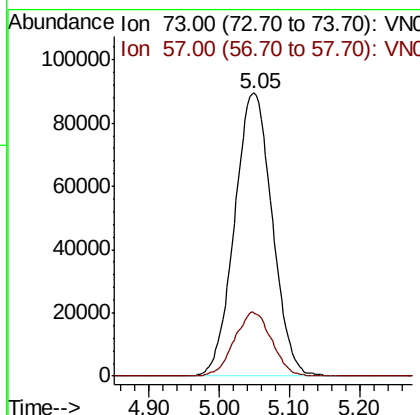
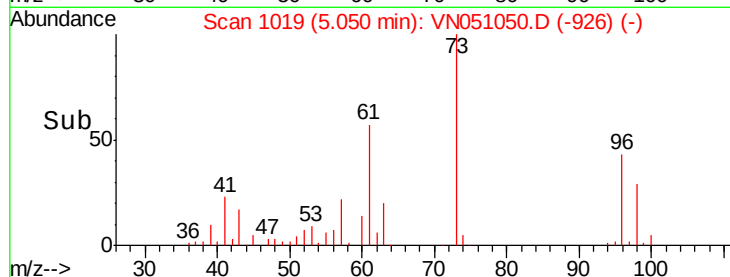
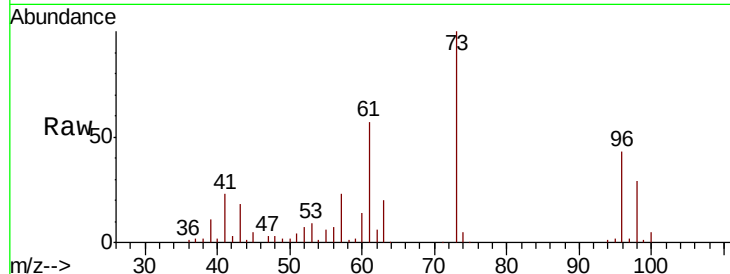
#19
Methvl tert-butvl Ether
Concen: 21.11 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0907MBS01

Tot Ion: 73 Resp: 333603
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.8

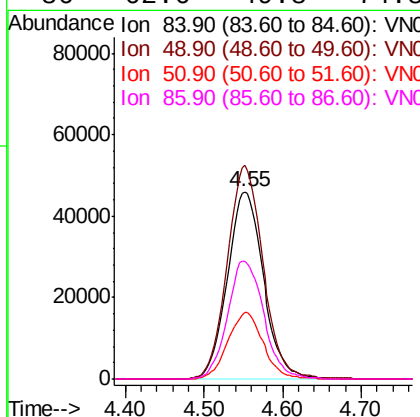
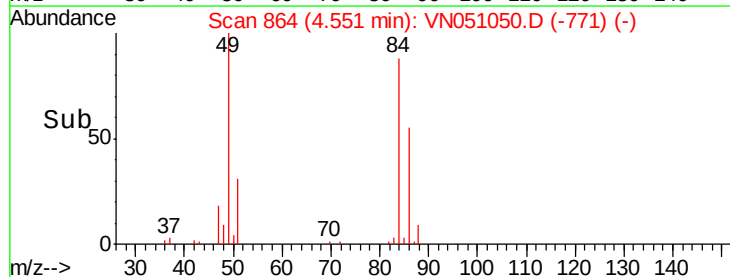
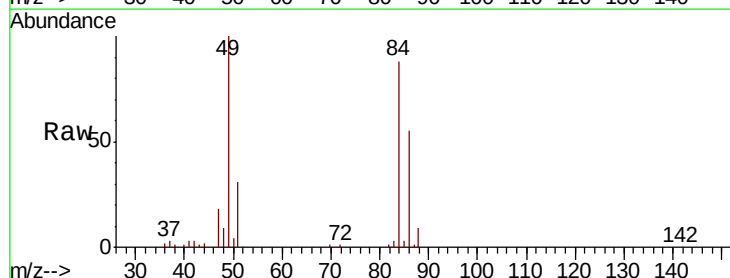
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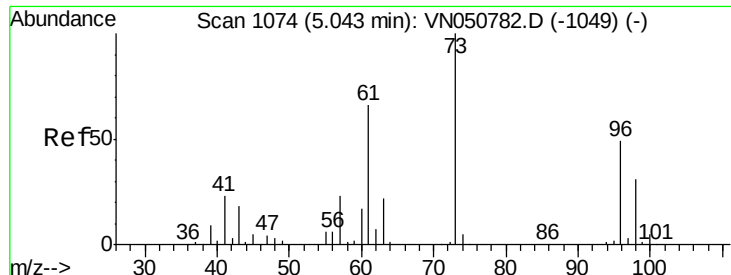
MMDadoda
9/10/2018 11:53:35 AM



#20
Methylene Chloride
Concen: 19.30 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion: 84 Resp: 146531
Ion Ratio Lower Upper
84 100
49 113.9 93.2 139.8
51 35.2 29.0 43.6
86 62.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.26 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

Tot Ion: 96 Resp: 130897

Ion Ratio Lower Upper

96 100

61 133.9 107.4 161.0

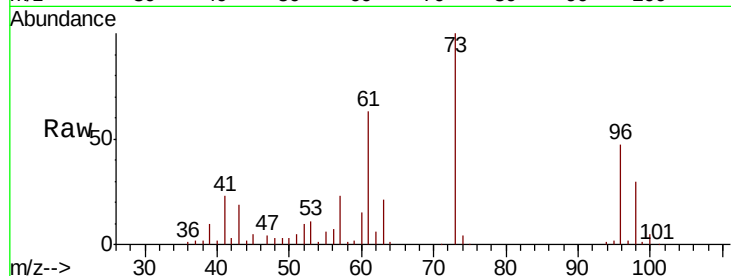
98 64.6 50.7 76.1

Manual Integrations

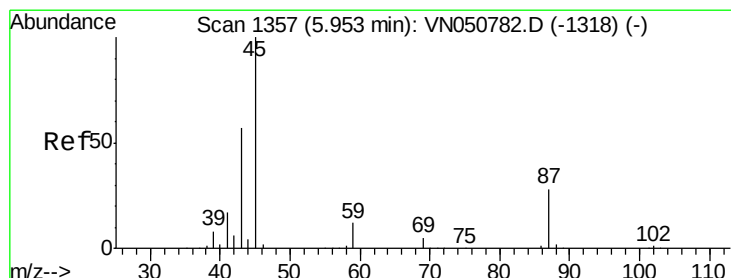
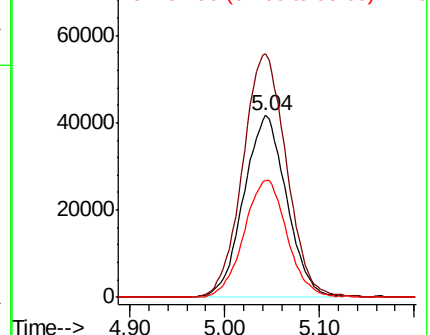
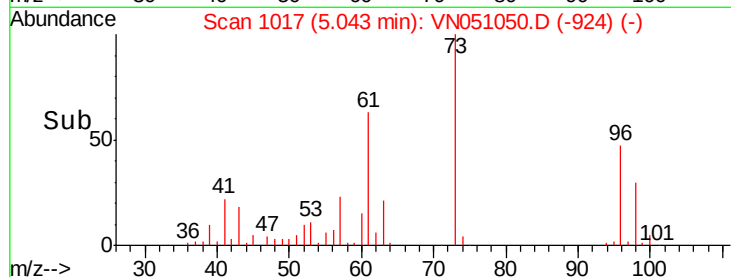
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9/10/2018 11:53:35 AM



Abundance Ion 95.90 (95.60 to 96.60): VN051050.D (-924) (-)



#22

Diisopropyl ether

Concen: 20.54 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Tgt Ion: 45 Resp: 400792

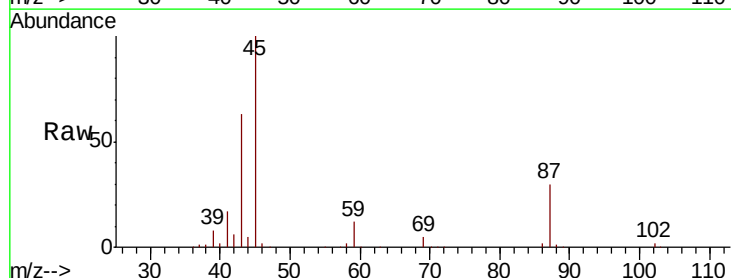
Ion Ratio Lower Upper

45 100

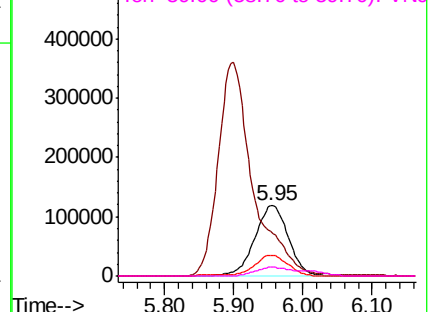
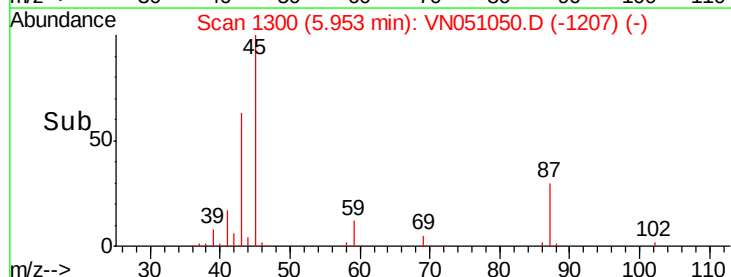
43 61.7 45.9 68.9

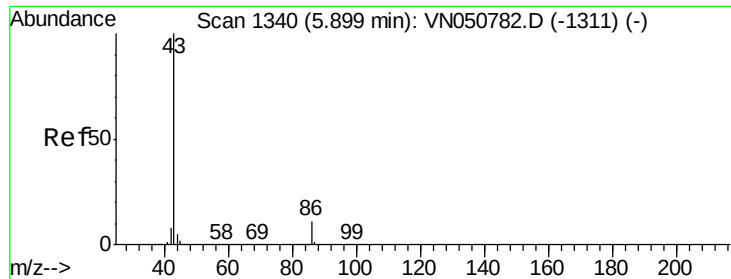
87 29.7 22.7 34.1

59 11.9 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN051050.D (-1207) (-)





#23

Vinyl Acetate

Concen: 100.86 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

Tot Ion: 43 Resp: 1267391

Ion Ratio Lower Upper

43 100

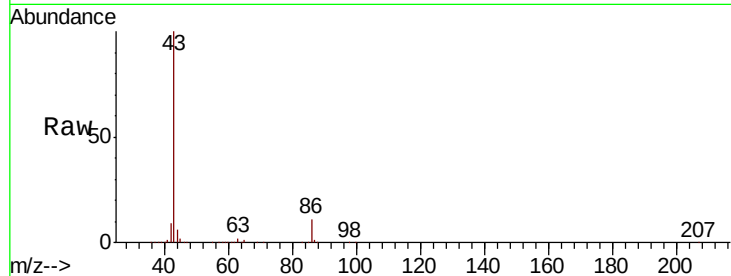
86 10.9 8.7 13.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

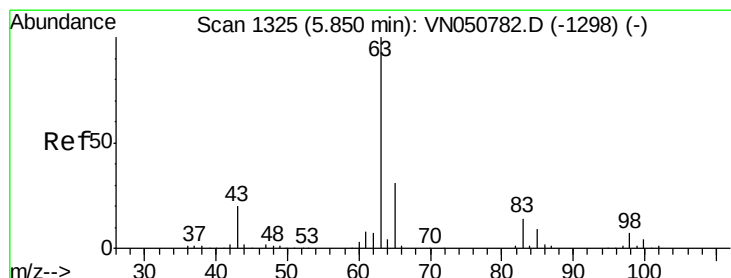
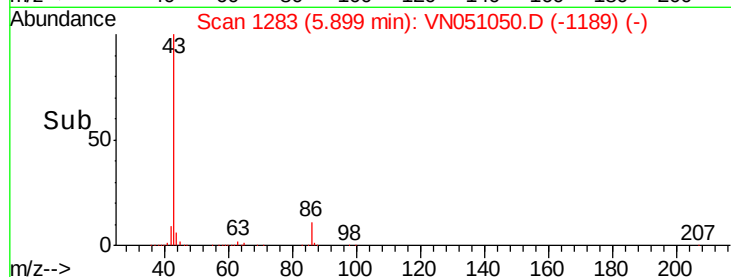
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.65 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

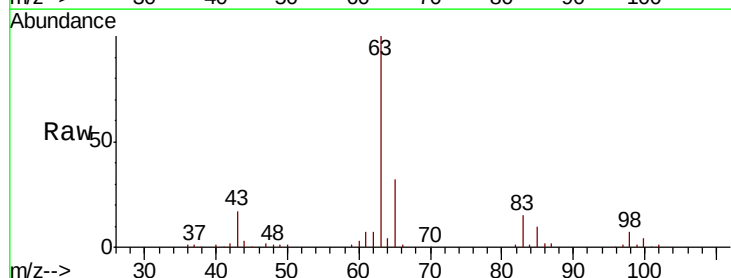
Tgt Ion: 63 Resp: 246189

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

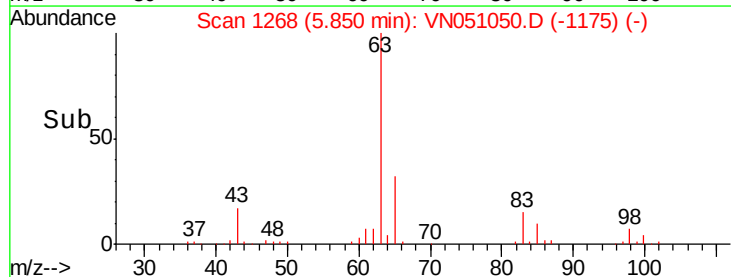
60000

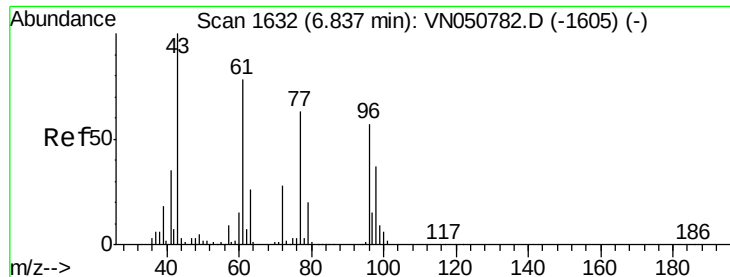
40000

20000

0

Time-->





#25

2-Butanone

Concen: 98.29 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

Tot Ion: 43 Resp: 266772

Ion Ratio Lower Upper

43 100

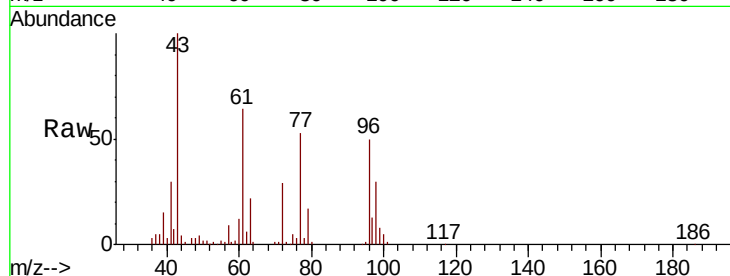
72 28.7 22.3 33.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

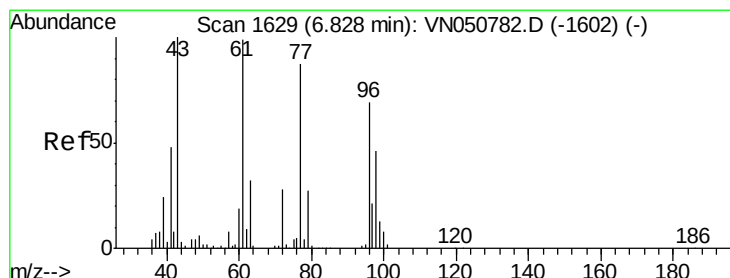
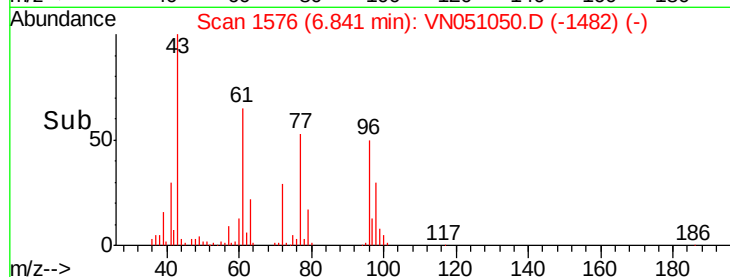
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.15 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051050.D

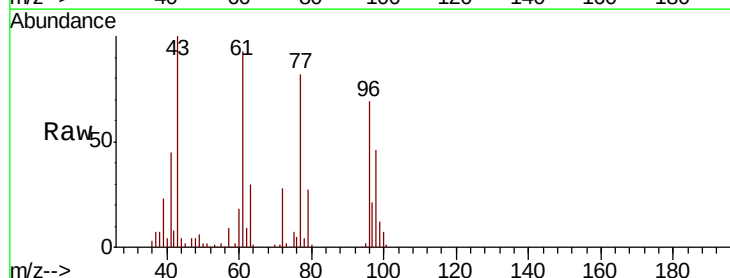
Acq: 7 Sep 2018 13:47

Tgt Ion: 77 Resp: 192762

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

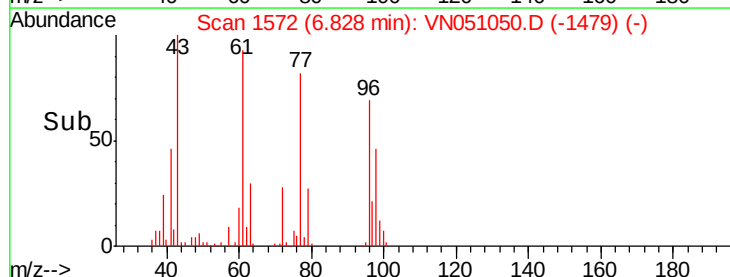
60000

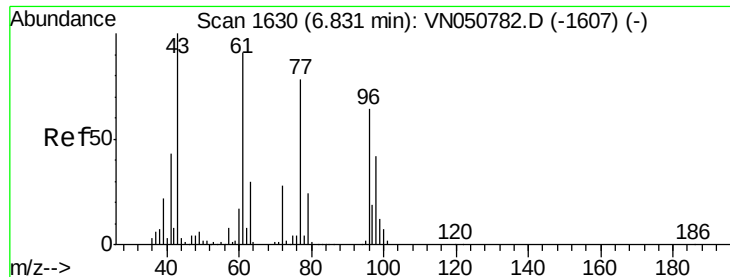
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.02 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

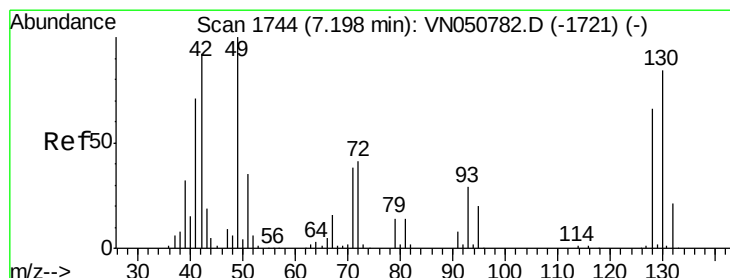
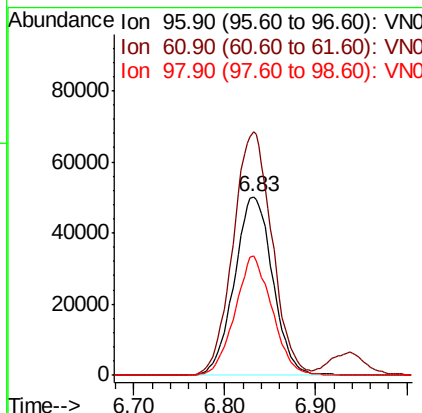
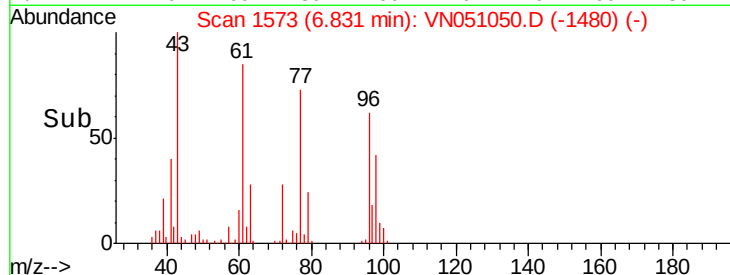
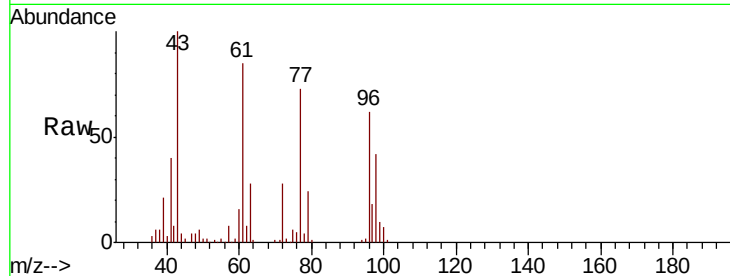
ClientSampled :

VN0907MBS01

Tot Ion:	96	Resp:	146654
Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	283.4
98	64.9	0.0	129.8

Manual Integrations
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MMDadoda
9/10/2018 11:53:35 AM



#28

Bromochloromethane

Concen: 18.26 ug/l

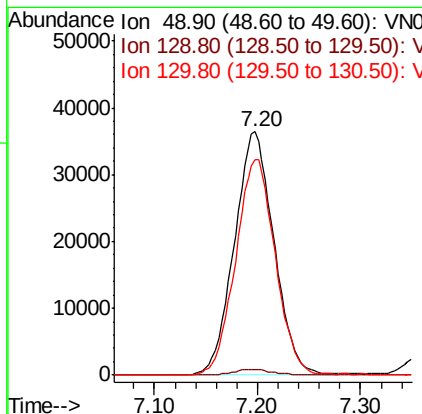
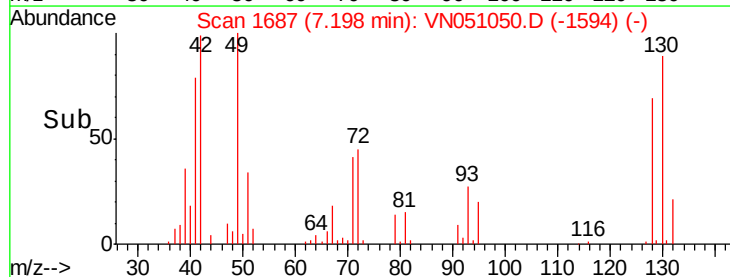
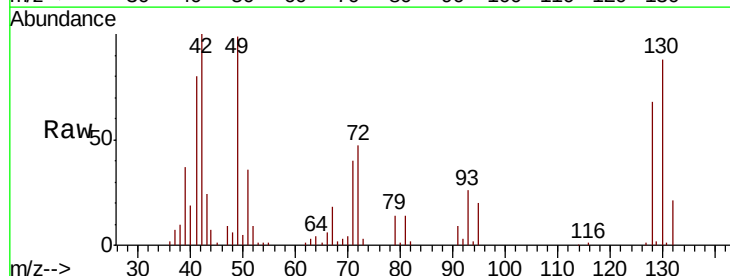
RT: 7.20 min Scan# 1687

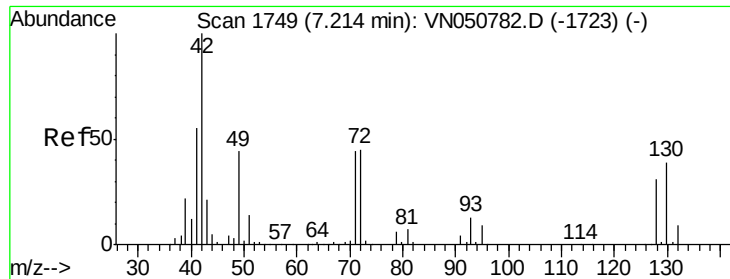
Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Tgt Ion:	49	Resp:	97218
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	88.7	67.1	100.7





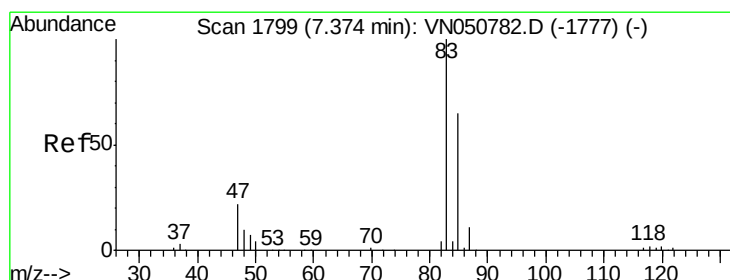
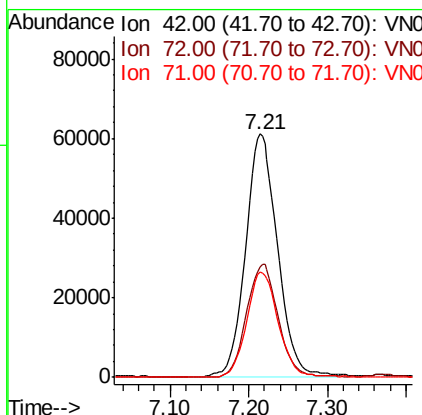
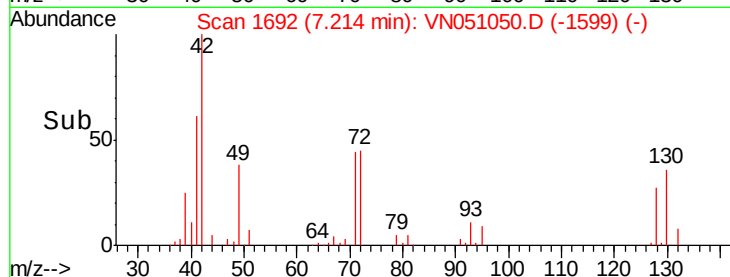
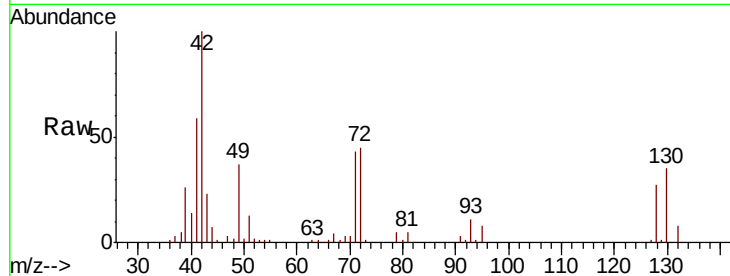
#29
Tetrahydrofuran
Concen: 113.43 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	35.5	53.3
71	42.3	33.7	50.5

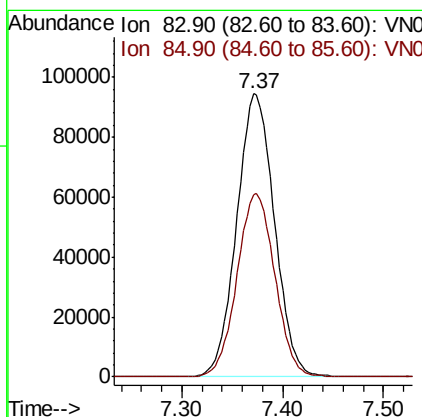
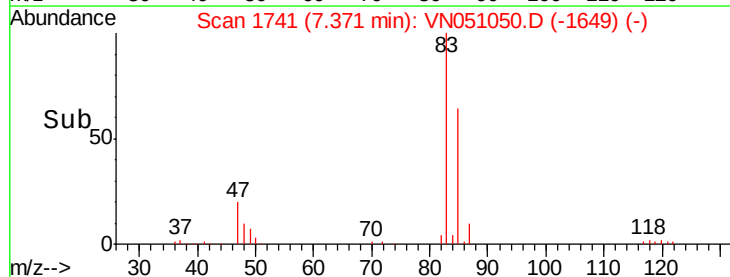
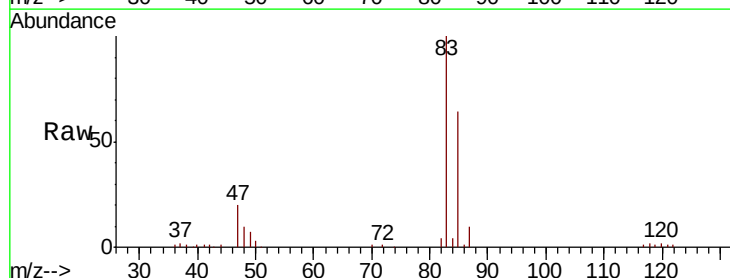
Manual Integrations
APPROVED

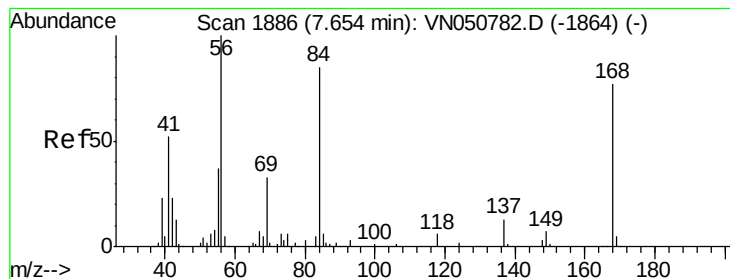
MMDadoda
9/10/2018 11:53:35 AM



#30
Chloroform
Concen: 19.77 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4





#31

Cyclohexane

Concen: 19.23 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

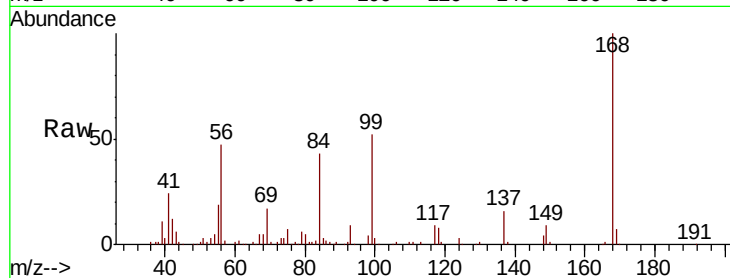
ClientSampled :

VN0907MBS01

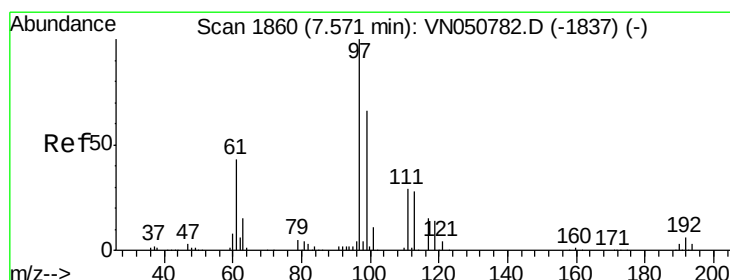
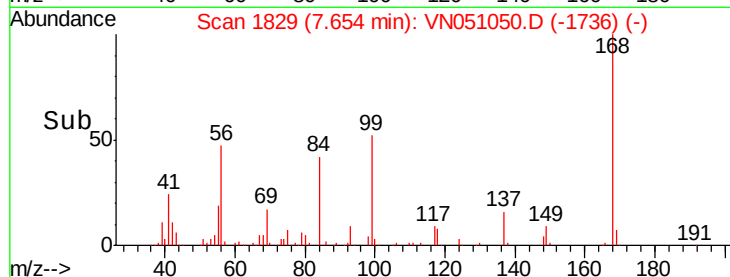
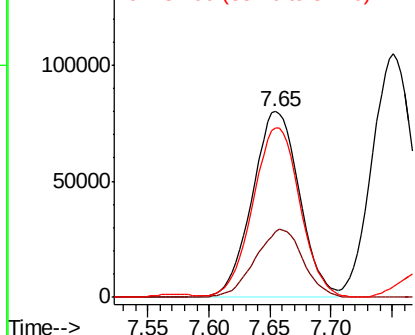
Tot Ion:	56	Resp:	215660
Ion Ratio	Lower	Upper	
56	100		
69	35.2	26.2	39.4
84	90.1	68.3	102.5

Manual Integrations
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9/10/2018 11:53:35 AM



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 19.62 ug/l

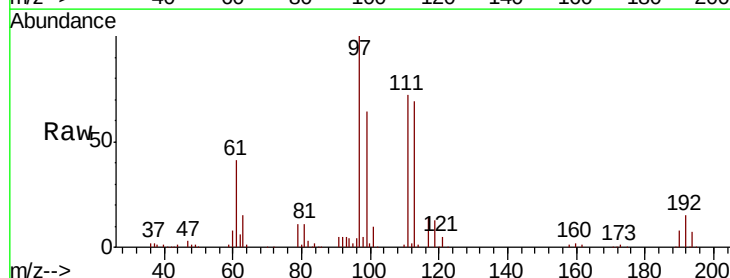
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

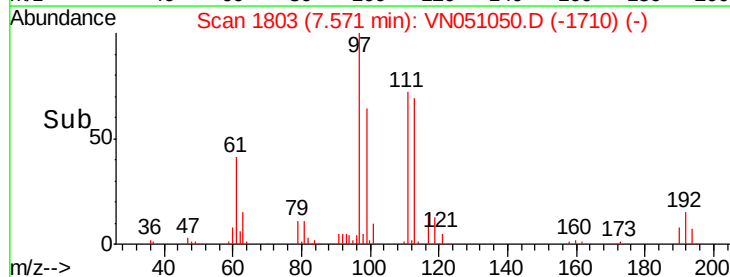
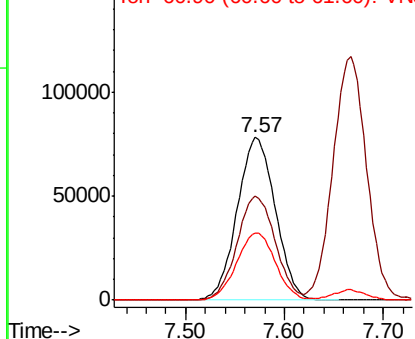
Lab File: VN051050.D

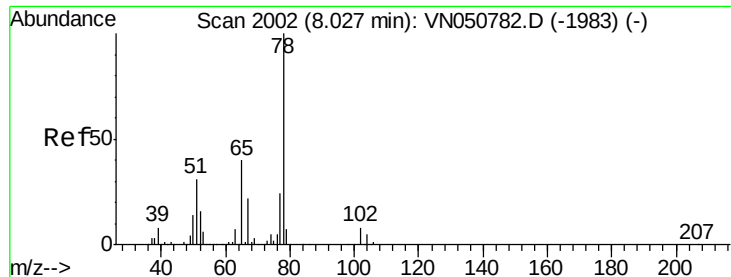
Acq: 7 Sep 2018 13:47

Tgt Ion:	97	Resp:	209016
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.8	77.6
61	42.1	34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





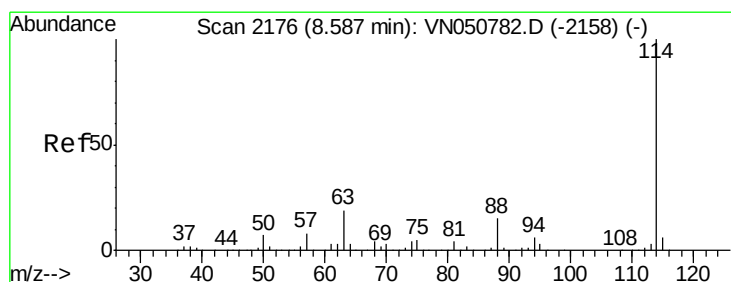
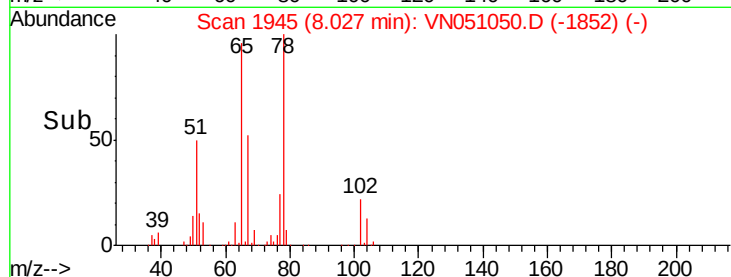
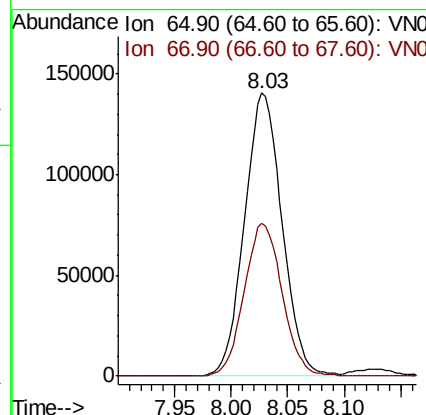
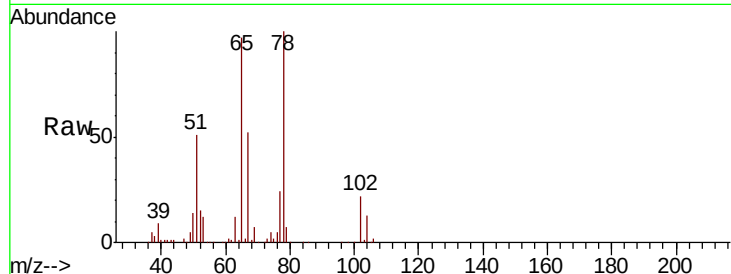
#33
 1,2-Dichloroethane-d4
 Concen: 48.39 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	110.4	

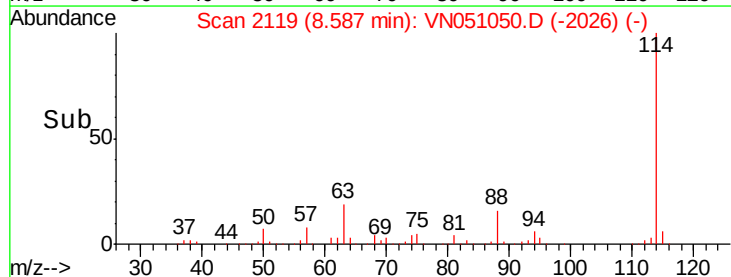
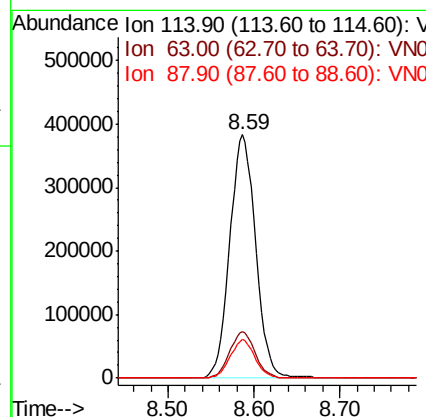
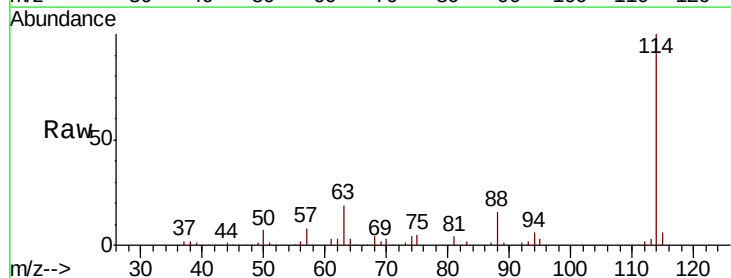
Manual Integrations
 APPROVED

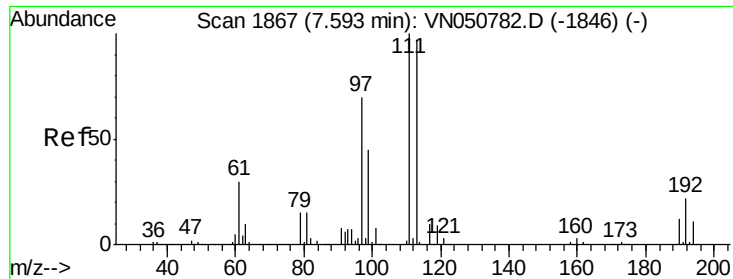
MMDadoda
 9/10/2018 11:53:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	38.6	
88	15.7	0.0	30.6	





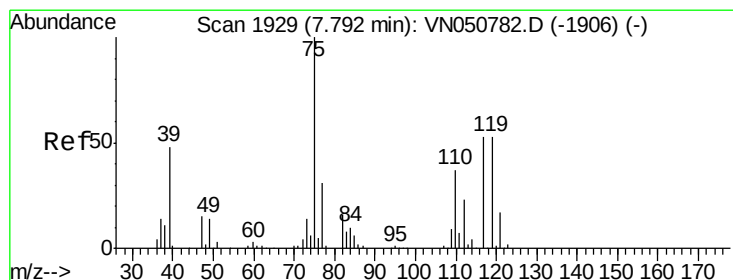
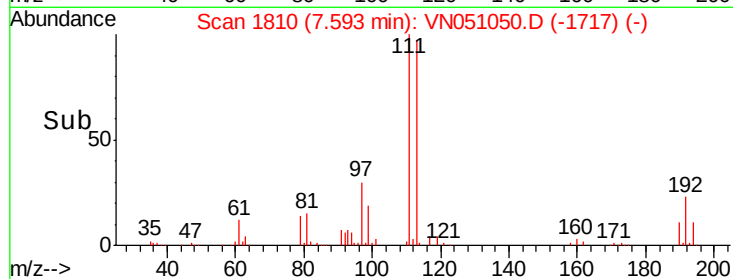
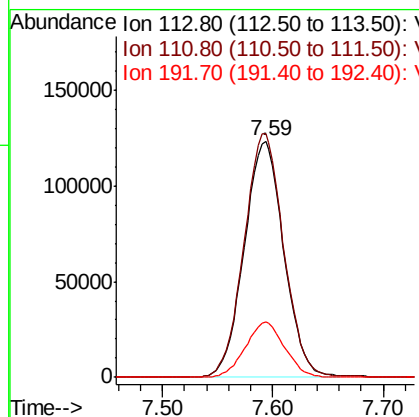
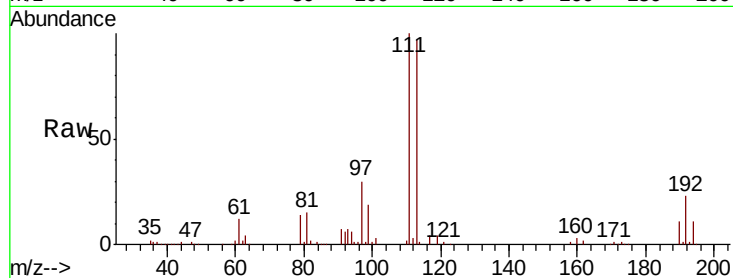
#35
 Dibromofluoromethane
 Concen: 48.21 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.8	82.6	123.8	
192	23.2	18.0	27.0	

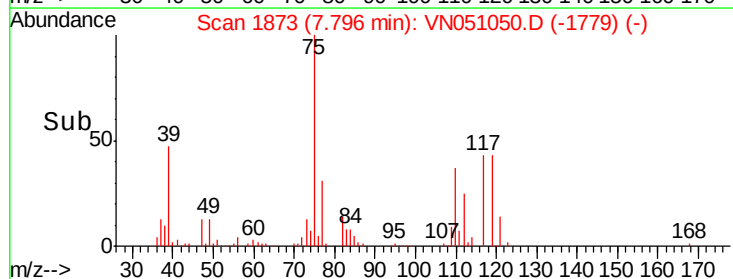
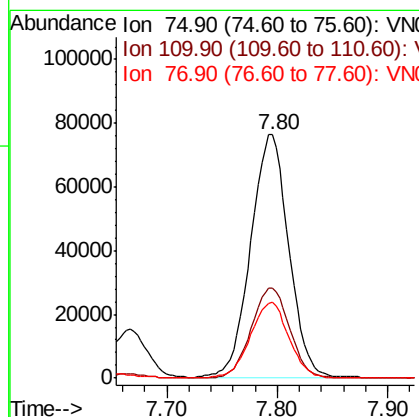
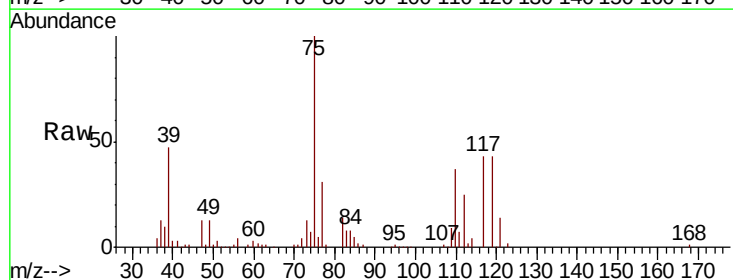
Manual Integrations
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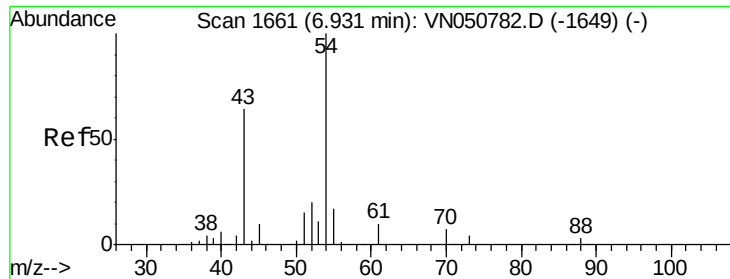
MMDadoda
 9/10/2018 11:53:35 AM



#36
 1,1-Dichloropropene
 Concen: 19.24 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.5	18.1	54.4	
77	32.0	24.8	37.2	





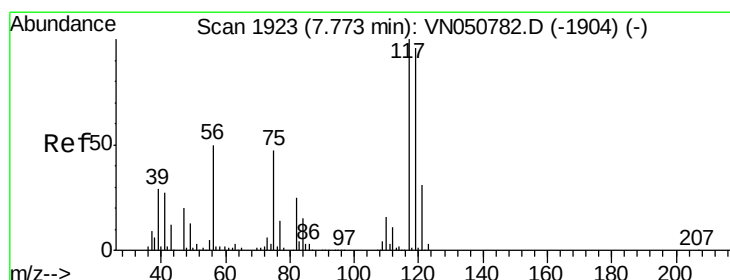
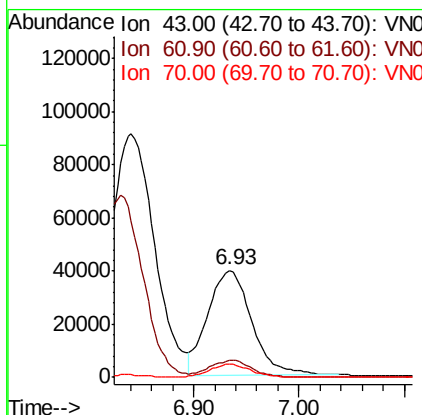
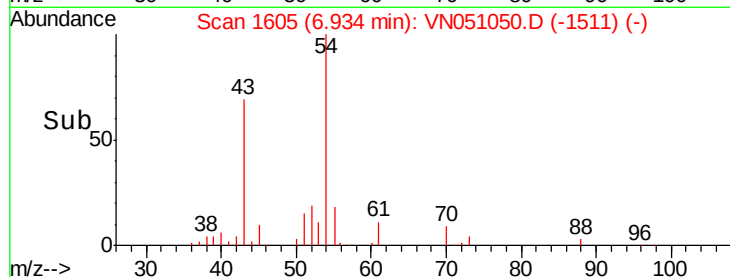
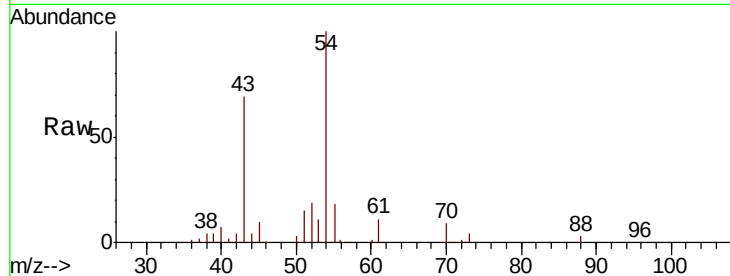
#37
Ethyl Acetate
Concen: 21.21 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.0	18.0
70	11.8	8.6	13.0

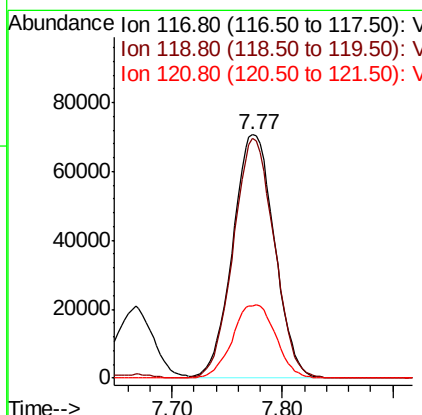
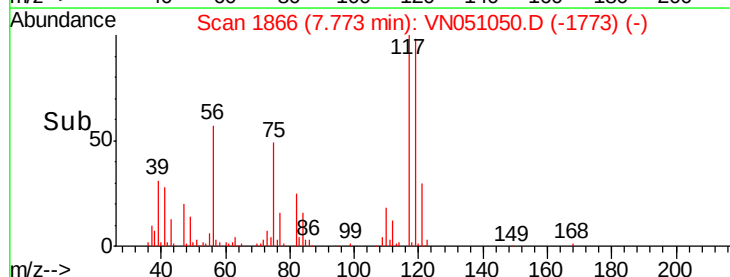
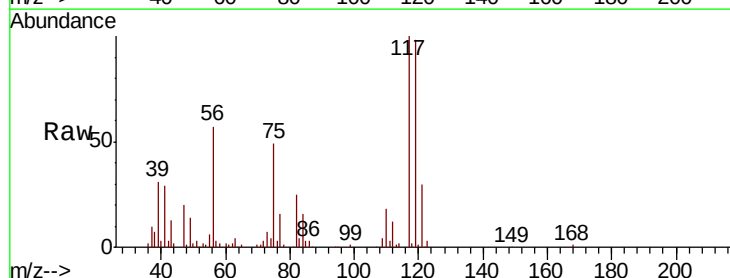
Manual Integrations
APPROVED

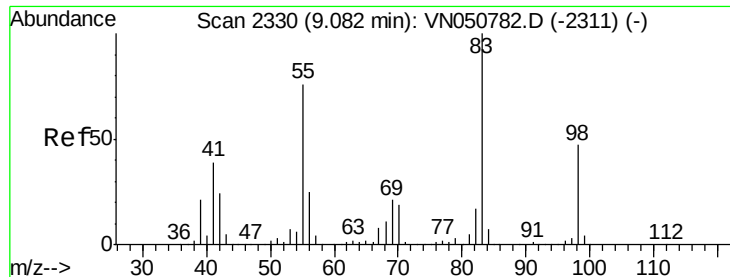
MMDadoda
9/10/2018 11:53:35 AM



#38
Carbon Tetrachloride
Concen: 19.49 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.3	114.5
121	29.9	24.6	36.8





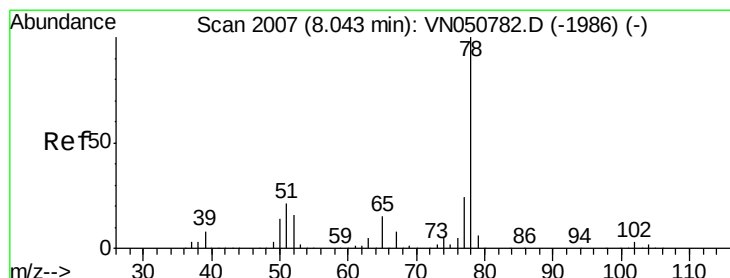
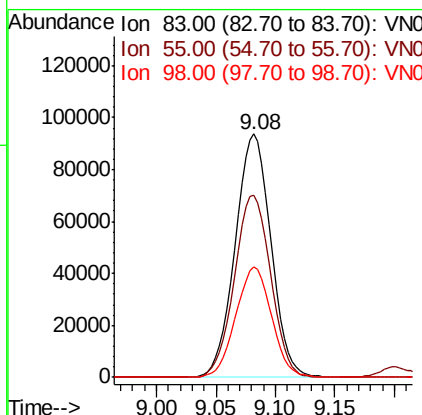
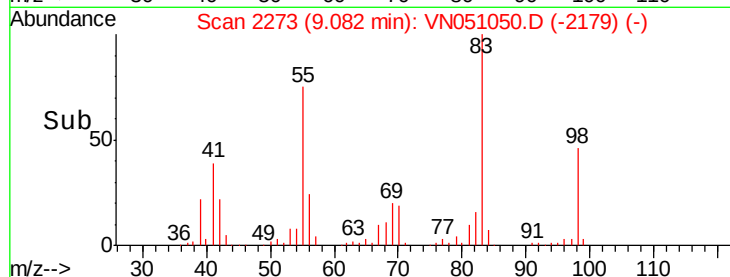
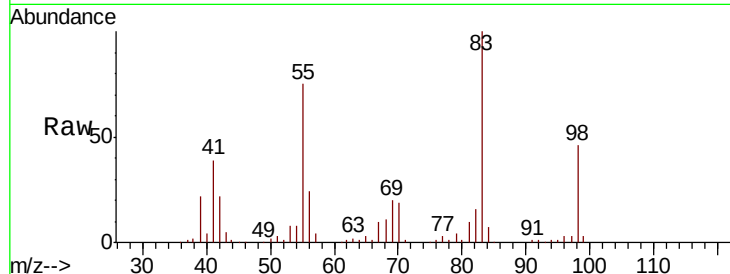
#39
Methylvlcyclohexane
Concen: 19.13 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	83.00	Resp	195410
Ion Ratio	100	Lower	Upper
83	100		
55	74.9	61.0	91.4
98	45.6	37.5	56.3

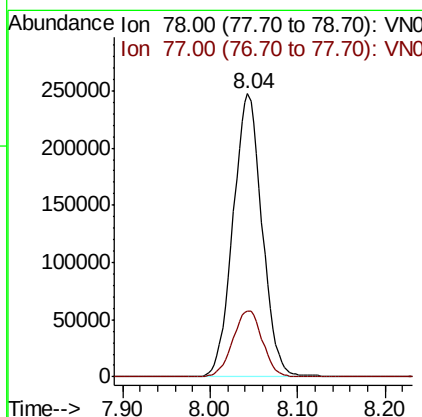
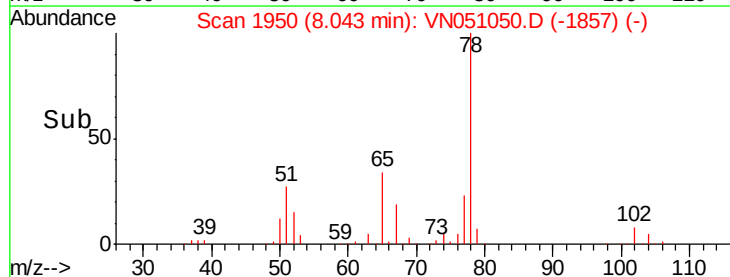
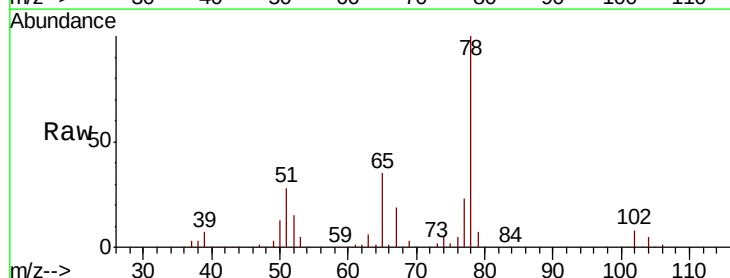
Manual Integrations
APPROVED

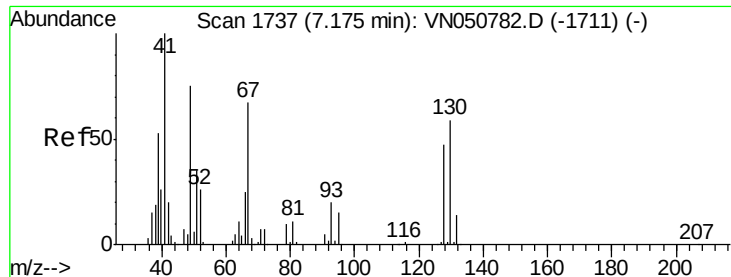
MMDadoda
9/10/2018 11:53:35 AM



#40
Benzene
Concen: 20.01 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	78.00	Resp	569694
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	19.0	28.4





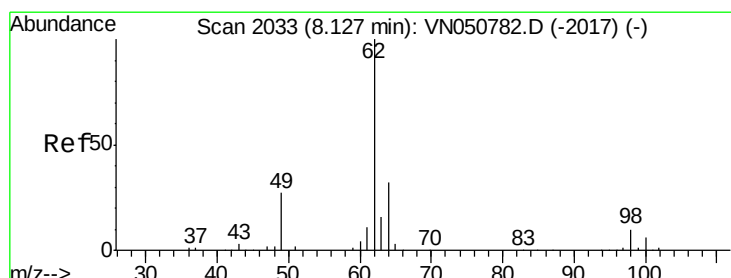
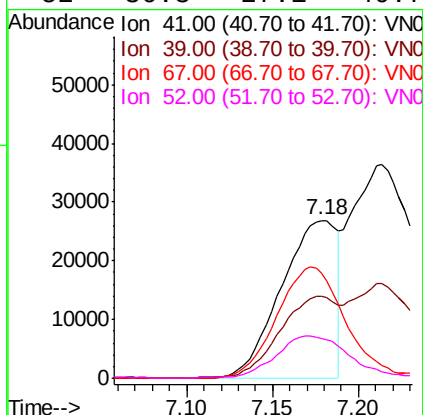
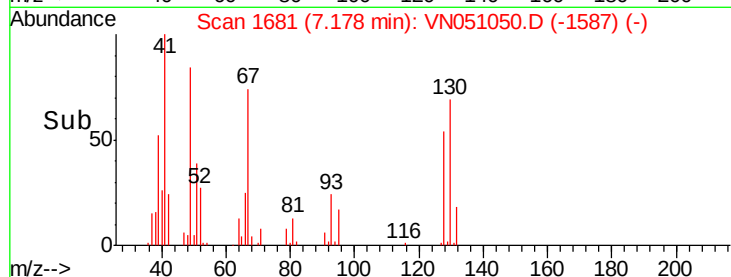
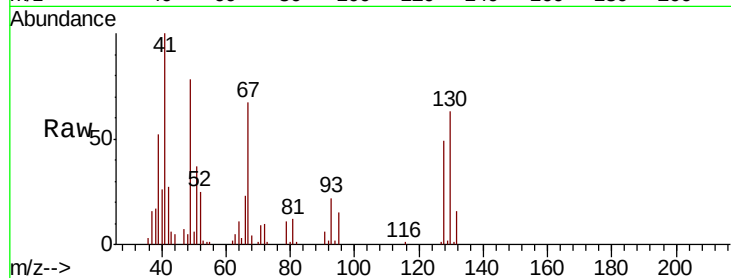
#41
Methacrylonitrile
Concen: 20.72 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	41	Resp	60824
Ion	Ratio	Lower	Upper
41	100		
39	52.2	45.4	68.0
67	87.3	70.6	106.0
52	36.3	27.1	40.7

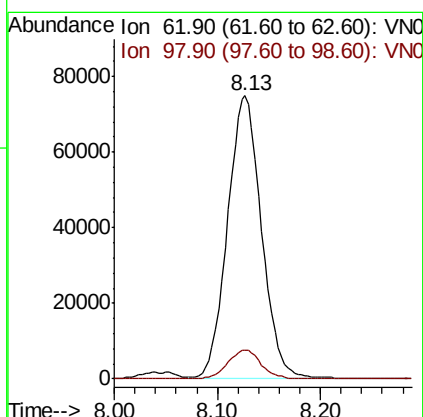
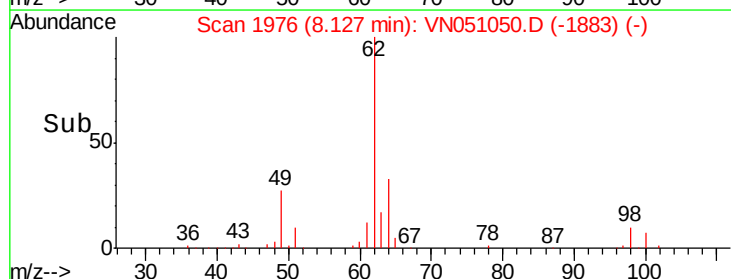
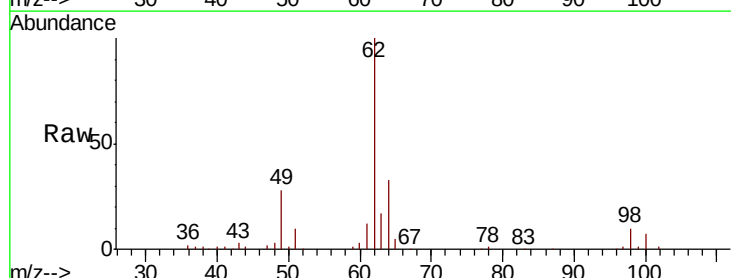
Manual Integrations
APPROVED

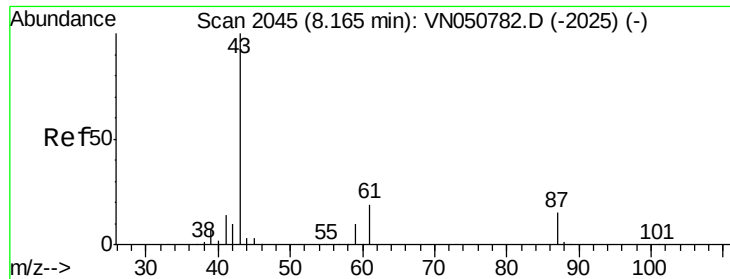
MMDadoda
9/10/2018 11:53:35 AM



#42
1,2-Dichloroethane
Concen: 19.93 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	62	Resp	169689
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.07 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

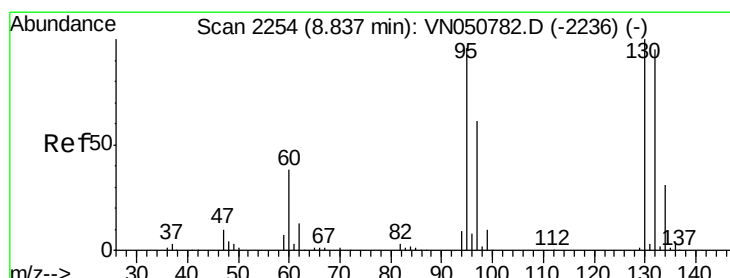
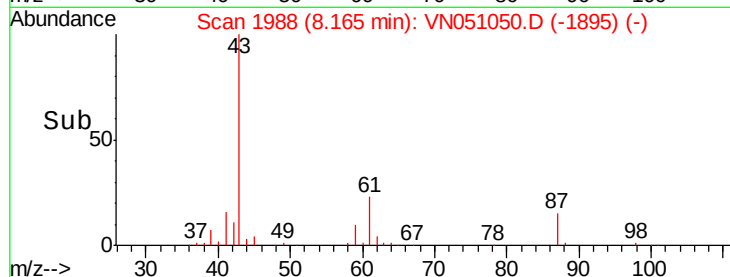
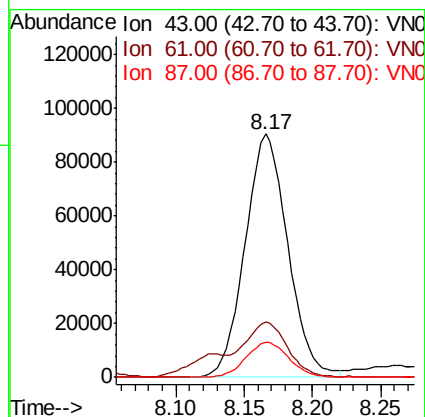
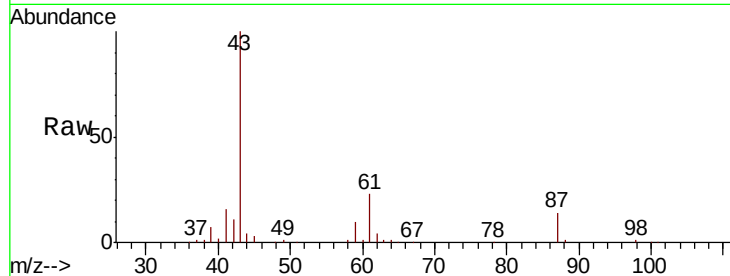
ClientSampleId :

VN0907MBS01

Tot Ion:	43	Resp:	196465
Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.5	26.3
87	14.6	11.3	16.9

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#44

Trichloroethene

Concen: 19.93 ug/l

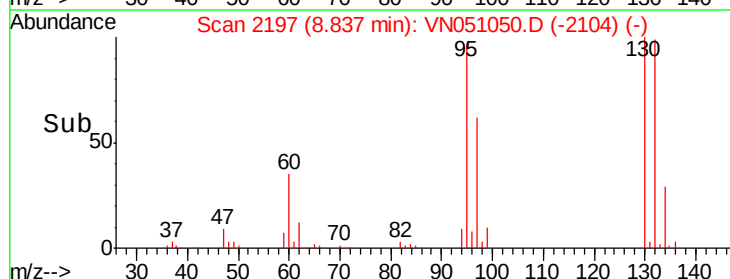
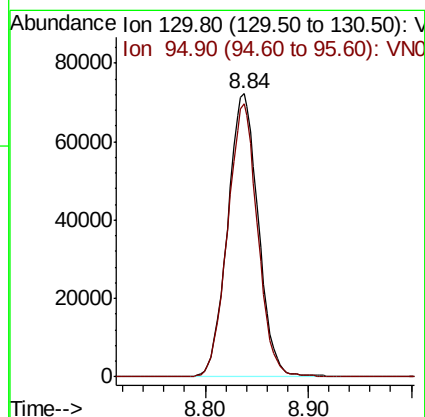
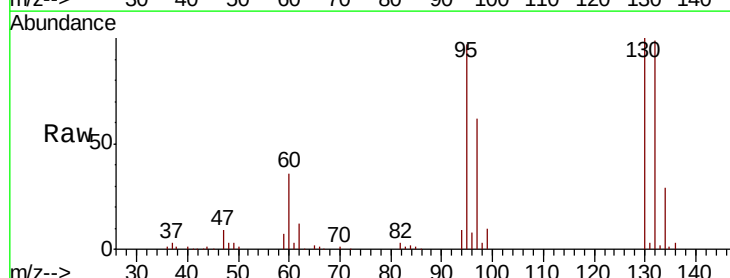
RT: 8.84 min Scan# 2197

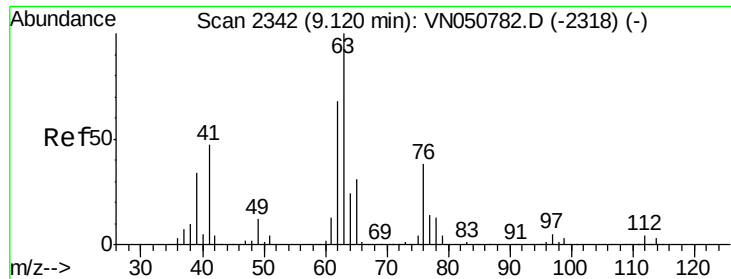
Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Tgt Ion:	130	Resp:	149645
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	193.0





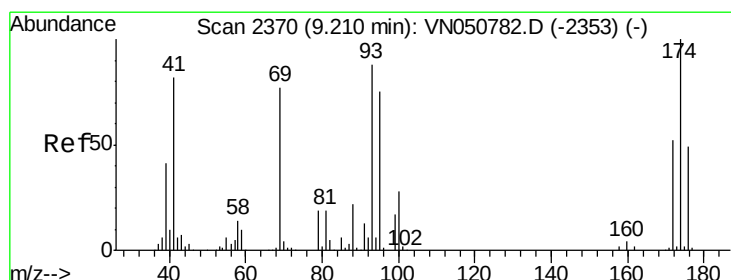
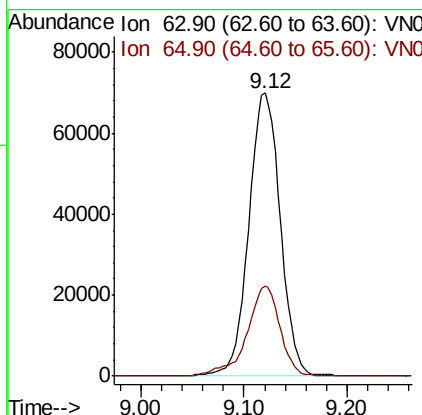
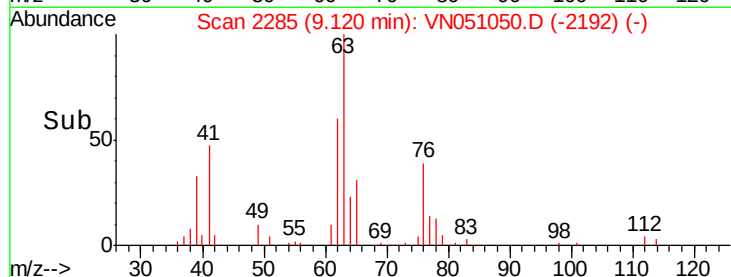
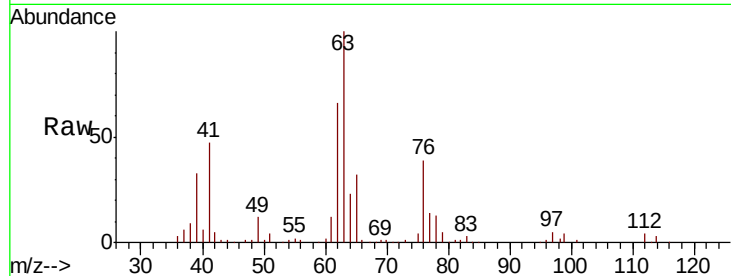
#45
 1,2-Dichloropropane
 Concen: 19.77 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Tot Ion: 63 Resp: 147979
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.6

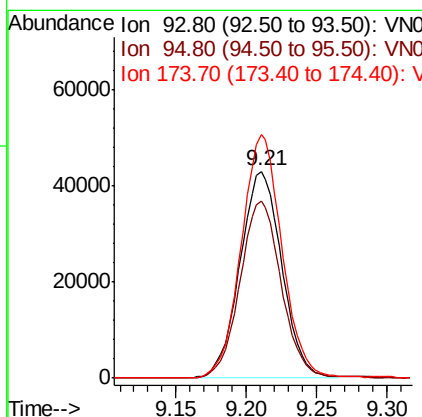
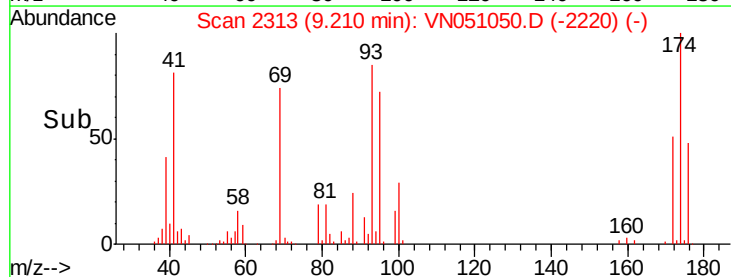
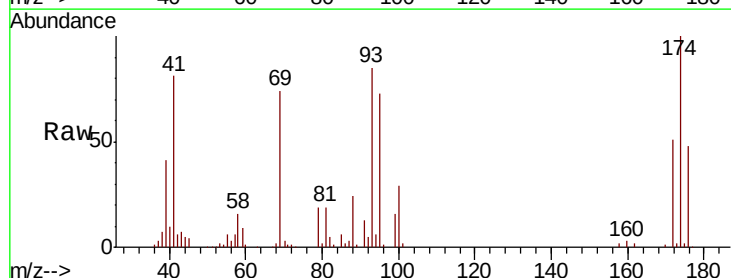
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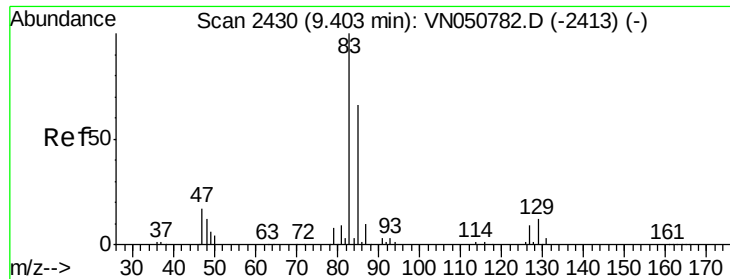
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 9/10/2018 11:53:35 AM



#46
 Dibromomethane
 Concen: 20.28 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion: 93 Resp: 89161
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 114.7 89.8 134.6





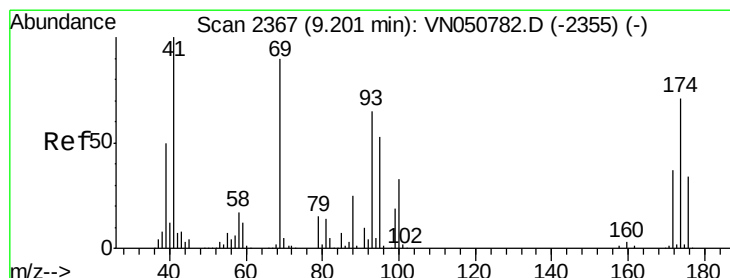
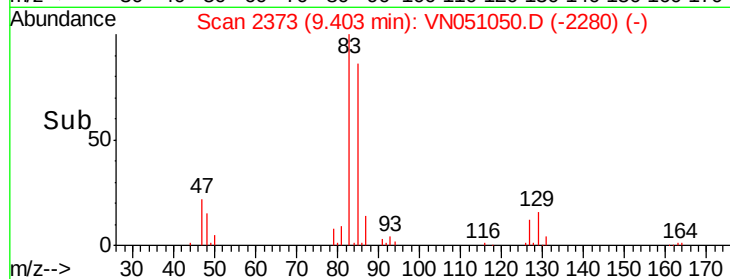
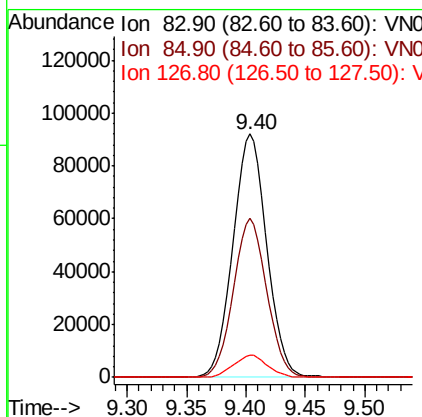
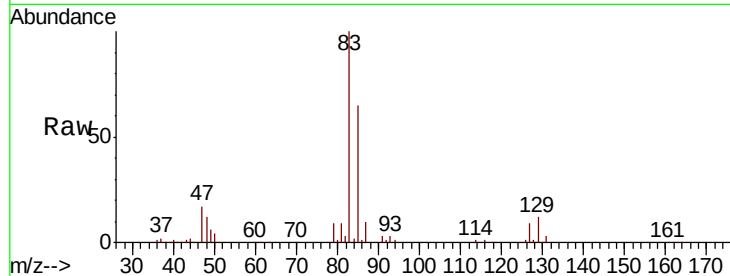
#47
Bromodichloromethane
Concen: 19.71 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	83	Resp	181494
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	52.6	78.8
127	9.2	7.2	10.8

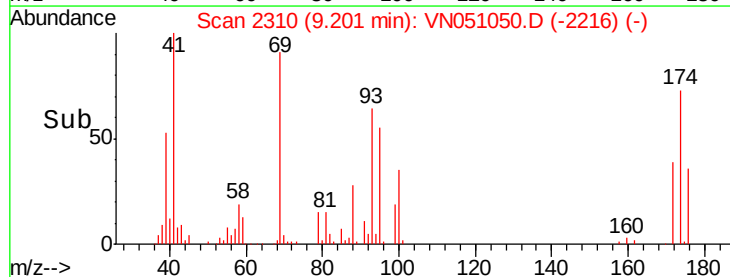
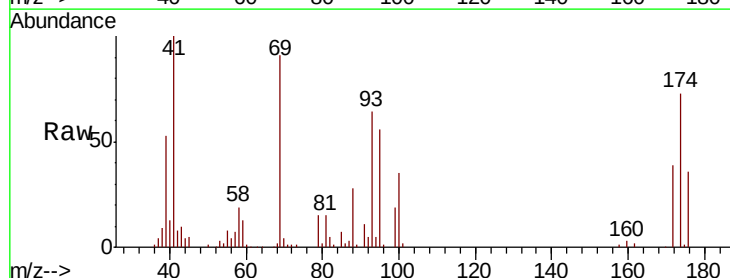
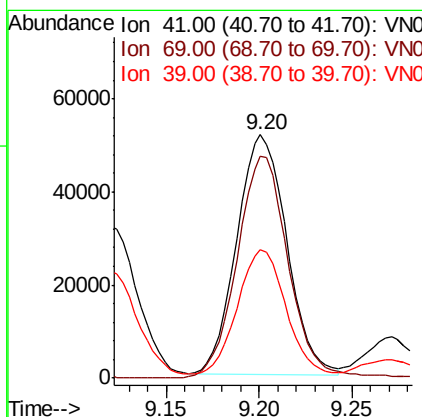
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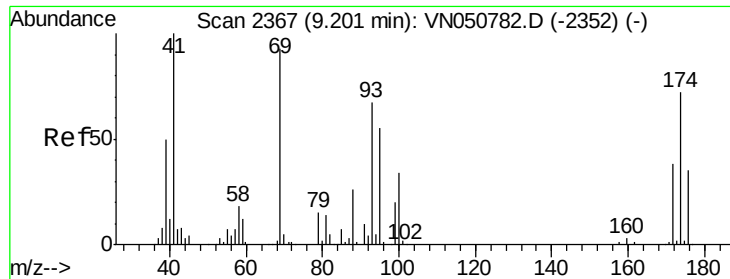
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#48
Methyl methacrylate
Concen: 20.30 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	41	Resp	96477
Ion Ratio	100	Lower	Upper
41	100		
69	95.7	74.7	112.1
39	52.8	42.2	63.2





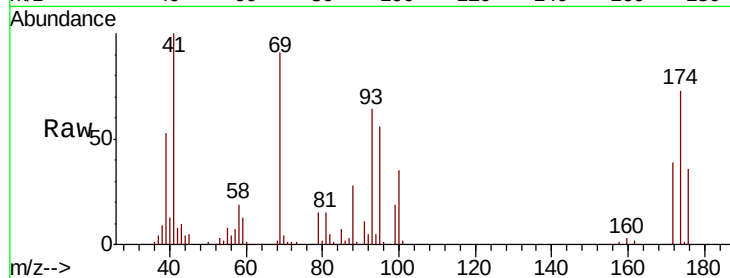
#49
1,4-Dioxane
Concen: 485.05 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	25.9	38.9
58	70.2	55.0	82.4

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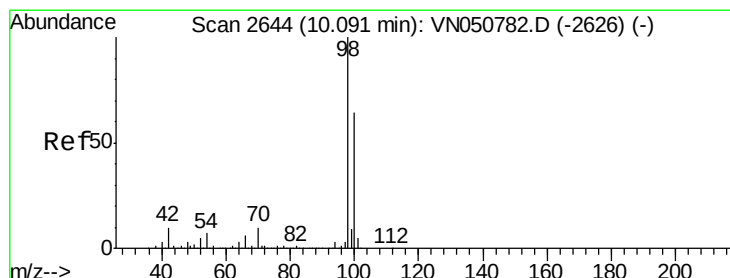
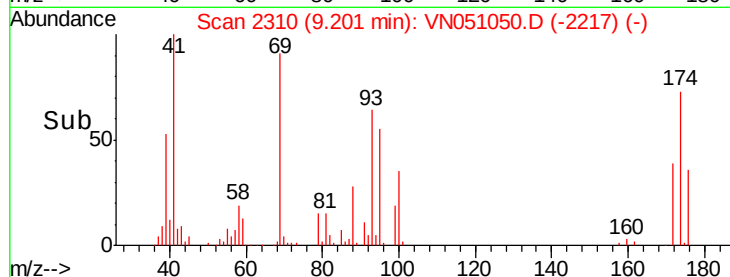
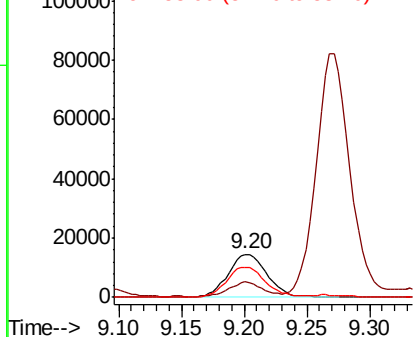


Abundance

Ion 88.00 (87.70 to 88.70): VN0

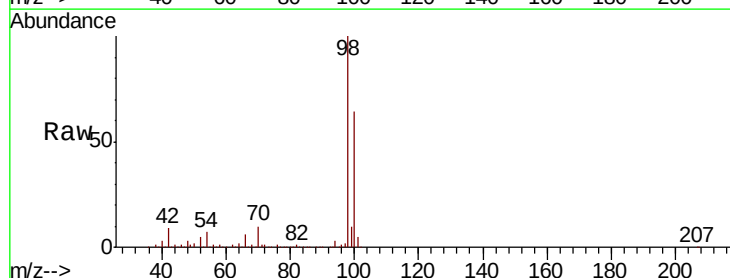
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 48.06 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

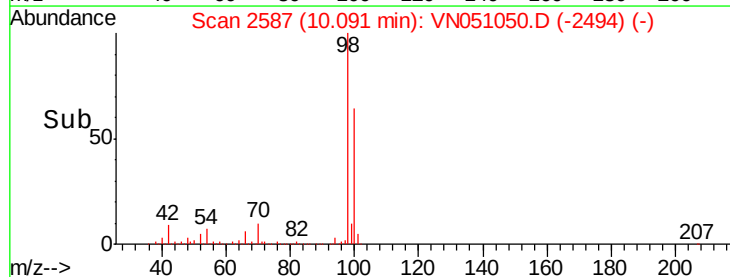
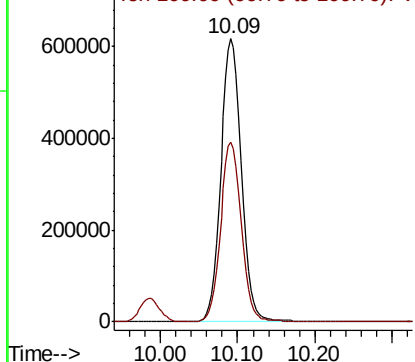
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3

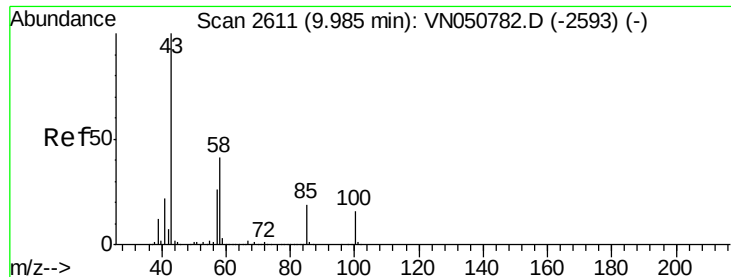


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 103.83 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

Tot Ion: 43 Resp: 577857

Ion Ratio Lower Upper

43 100

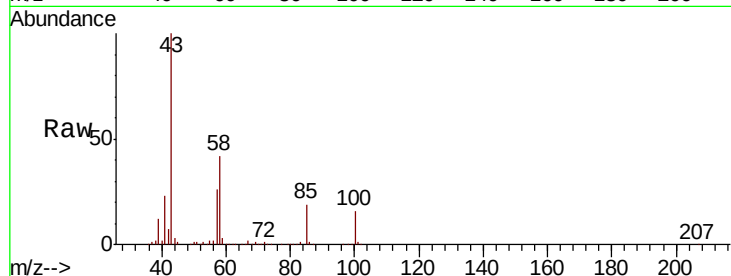
58 41.5 32.4 48.6

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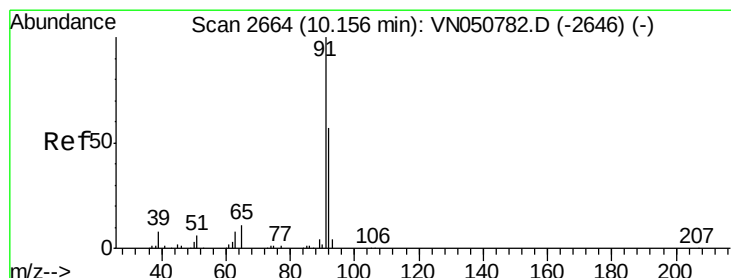
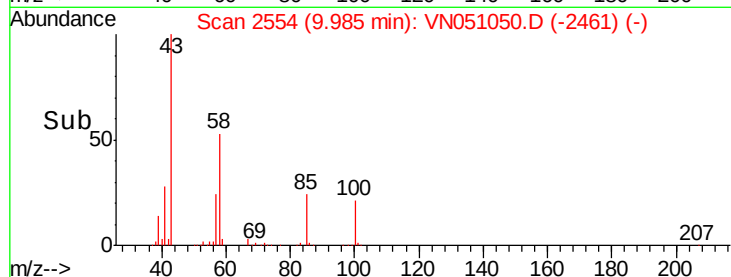
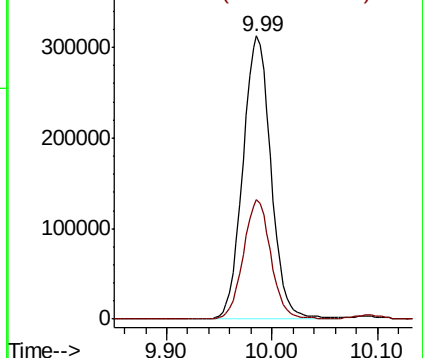
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.65 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051050.D

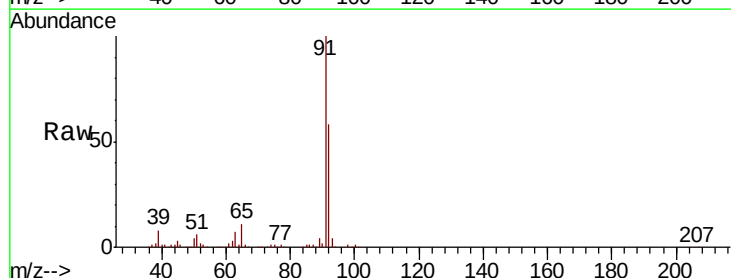
Acq: 7 Sep 2018 13:47

Tgt Ion: 92 Resp: 348266

Ion Ratio Lower Upper

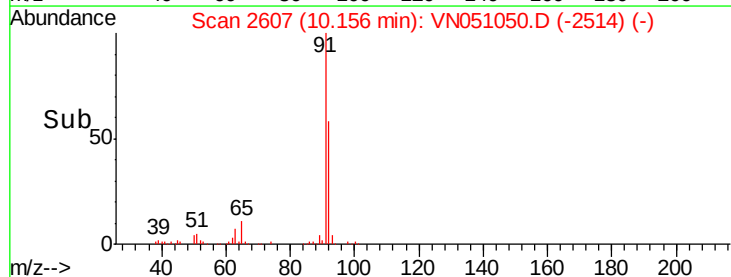
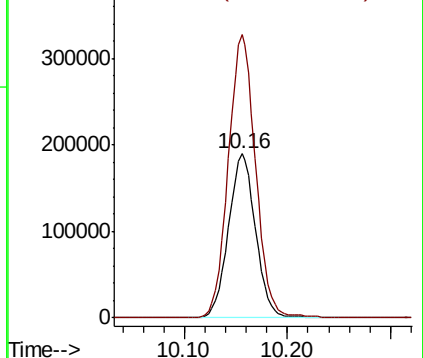
92 100

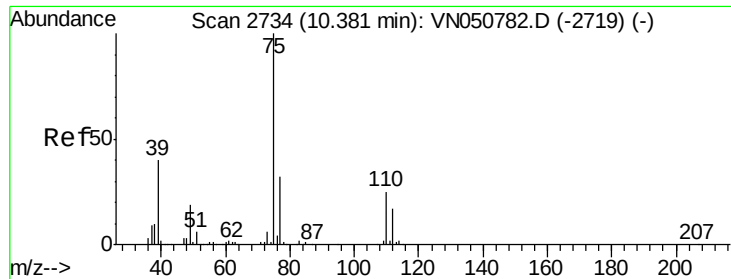
91 173.7 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





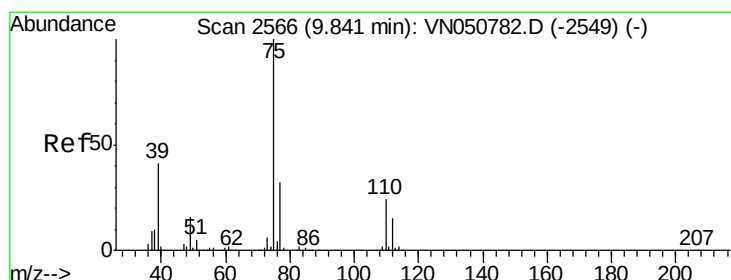
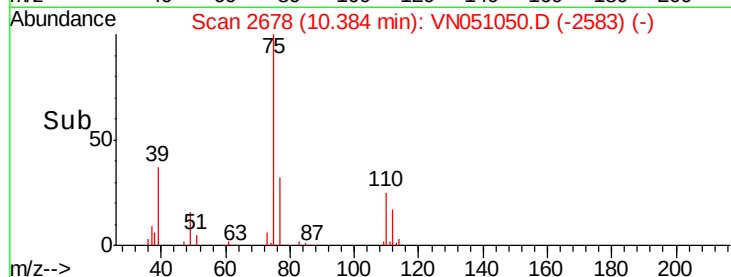
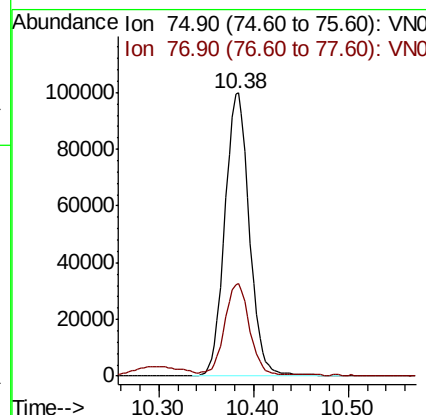
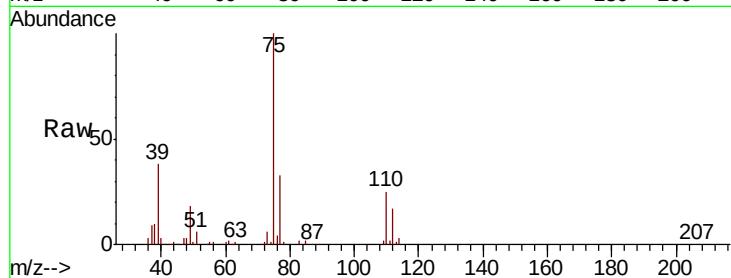
#53
t-1,3-Dichloropropene
Concen: 19.66 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.7	38.5

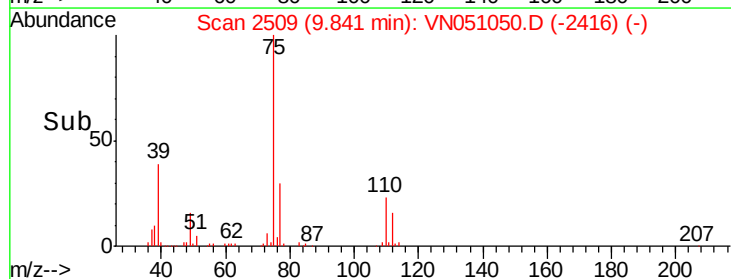
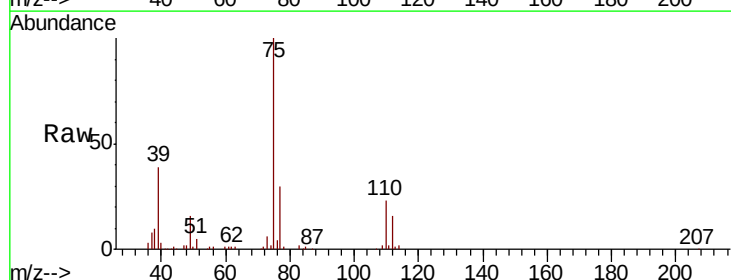
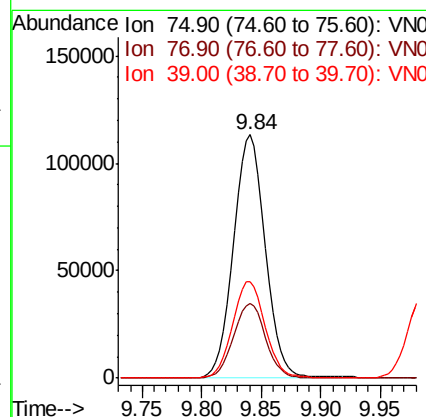
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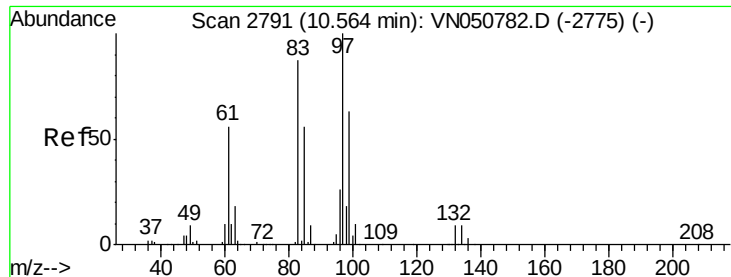
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#54
cis-1,3-Dichloropropene
Concen: 20.04 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.2
39	39.5	33.0	49.4





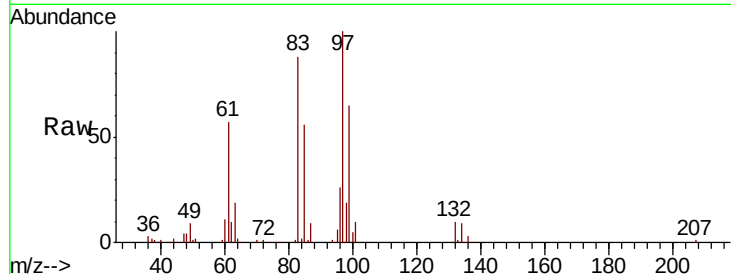
#55
 1,1,2-Trichloroethane
 Concen: 20.34 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0907MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.7	104.5
85	56.0	44.5	66.7
99	64.5	50.7	76.1

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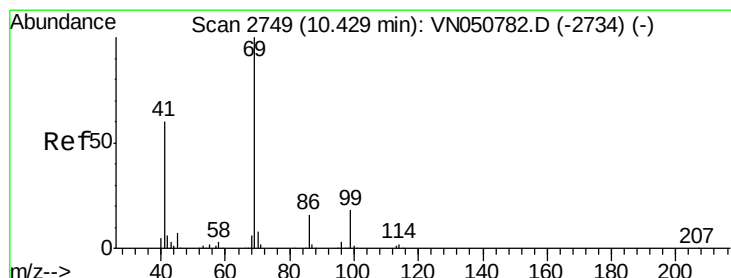
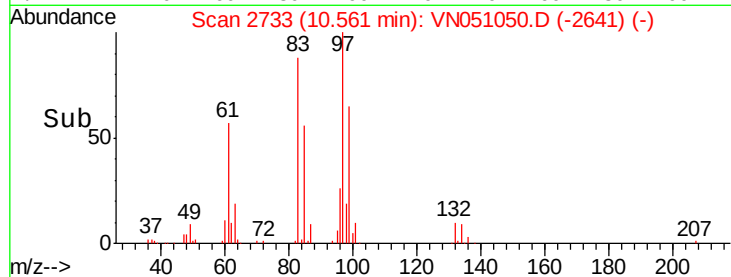
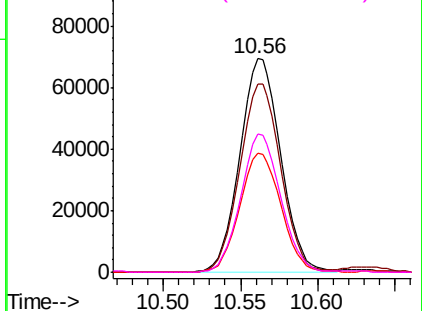
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

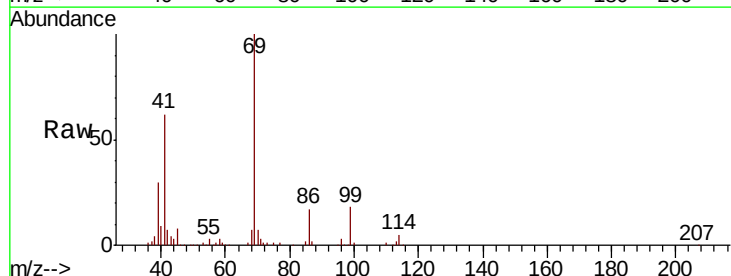
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 19.68 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.8	48.3	72.5
39	30.3	24.0	36.0

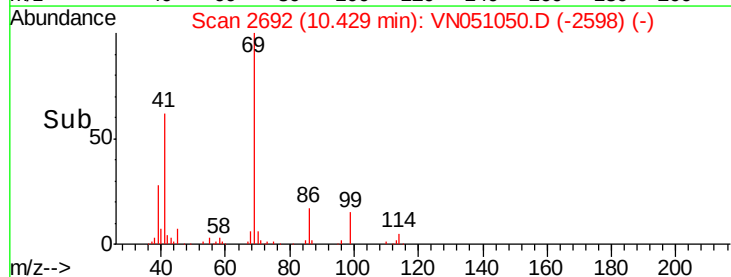
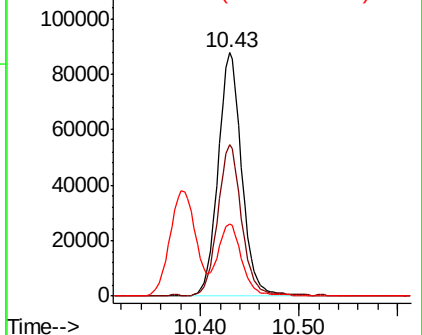


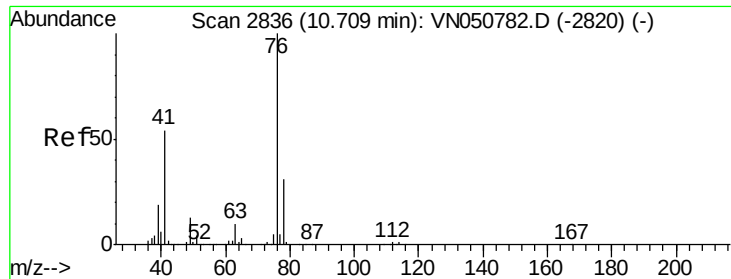
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.43 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

Tot Ion: 76 Resp: 211135

Ion Ratio Lower Upper

76 100

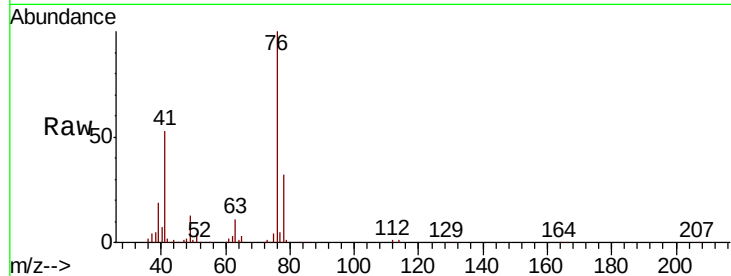
78 31.7 25.5 38.3

Manual Integrations

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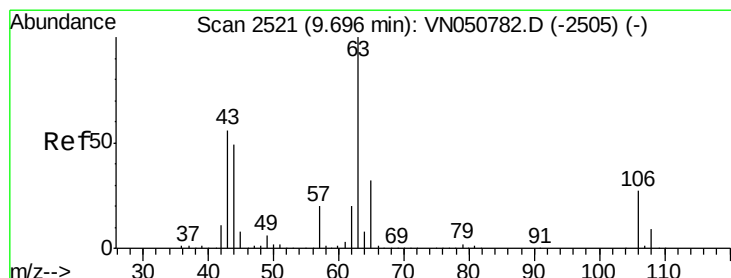
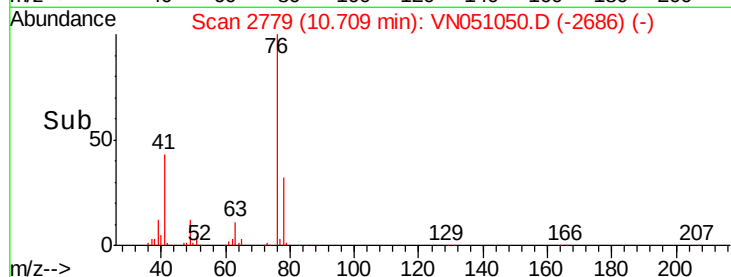
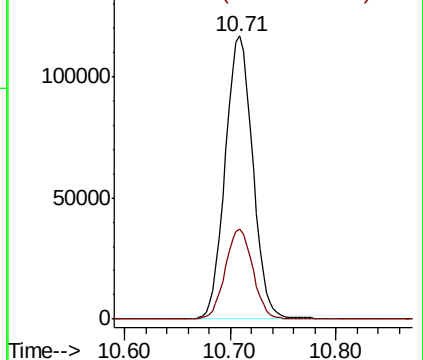
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 89.76 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051050.D

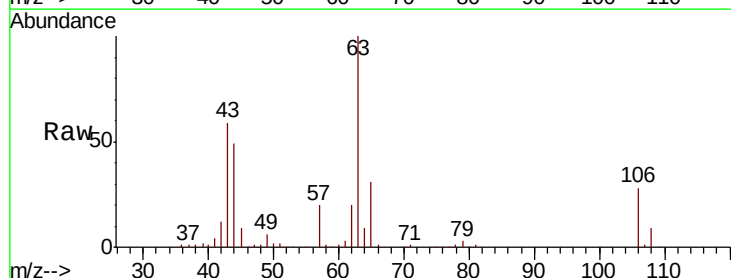
Acq: 7 Sep 2018 13:47

Tgt Ion: 63 Resp: 289724

Ion Ratio Lower Upper

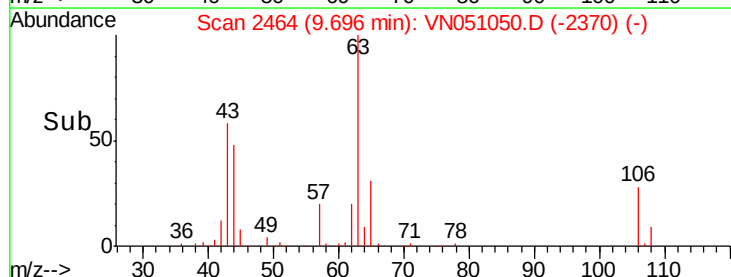
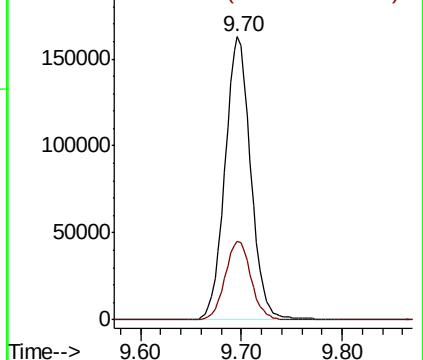
63 100

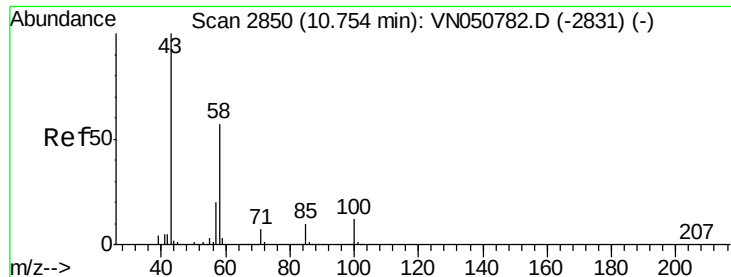
106 28.0 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





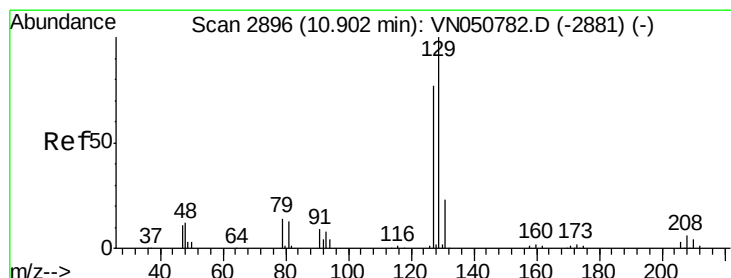
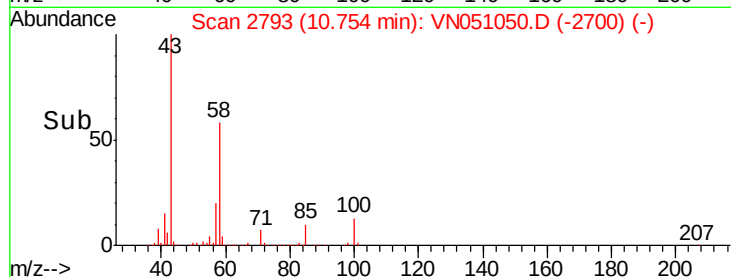
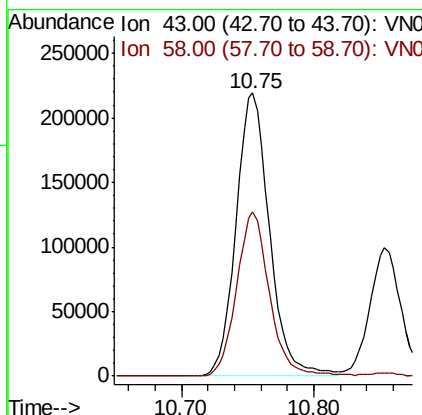
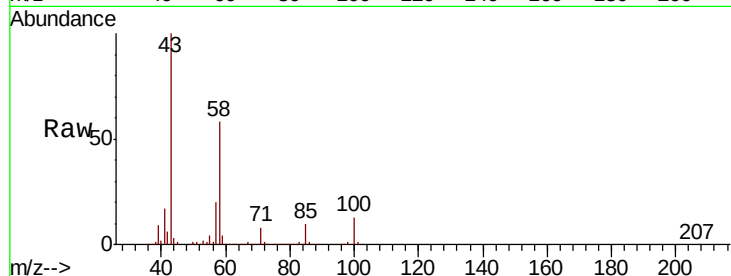
#59
2-Hexanone
Concen: 103.26 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	43	Resp	382587
Ion Ratio	100	Lower	Upper
43	100		
58	57.3	28.3	85.0

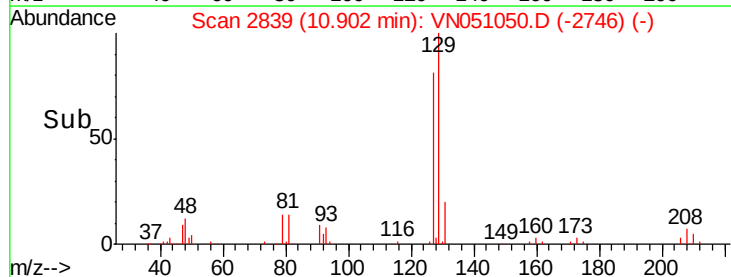
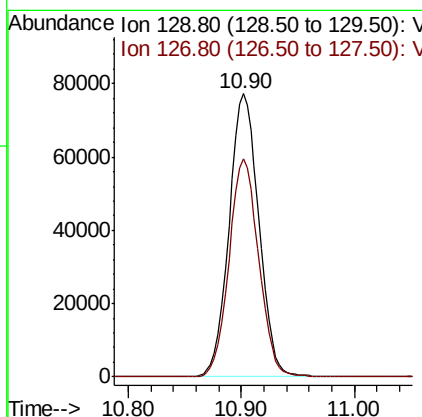
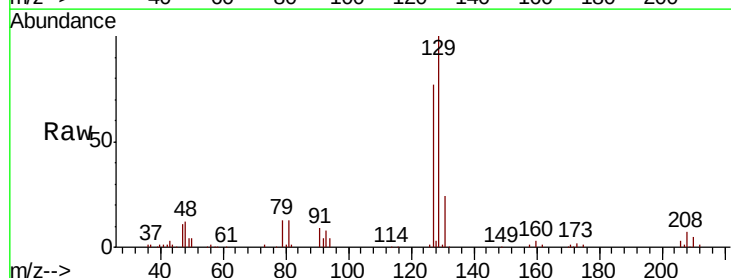
Manual Integrations
APPROVED

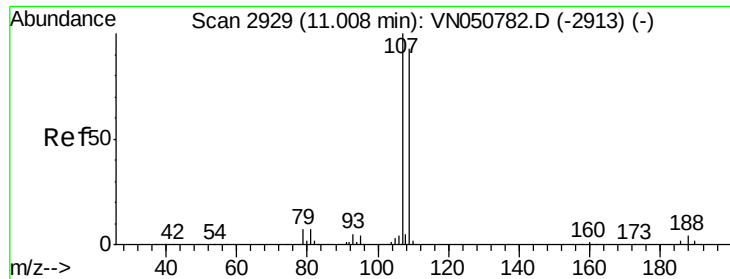
MMDadoda
9/10/2018 11:53:35 AM



#60
Dibromochloromethane
Concen: 20.19 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	129	Resp	141560
Ion Ratio	100	Lower	Upper
129	100		
127	76.7	38.3	114.9





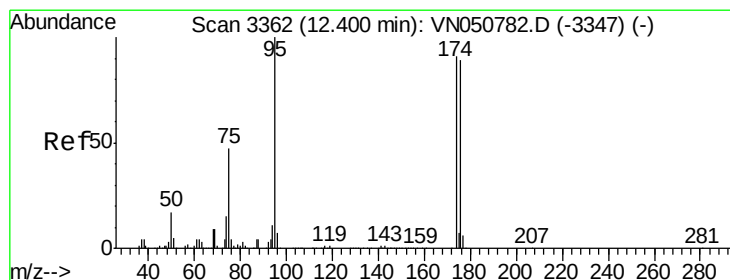
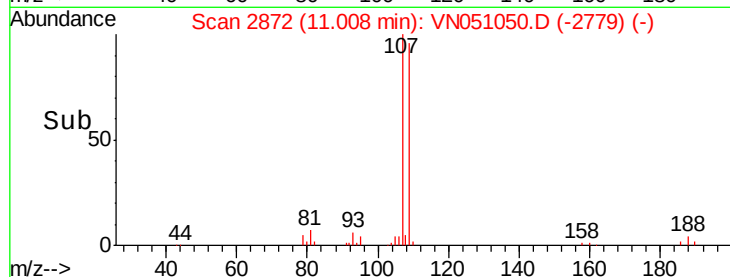
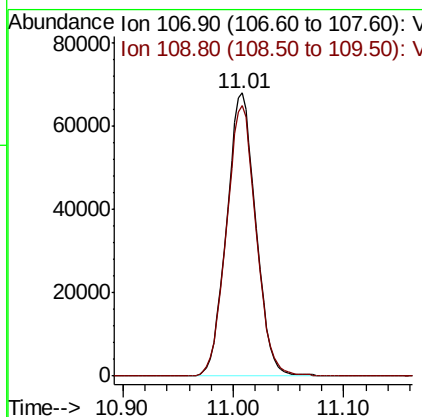
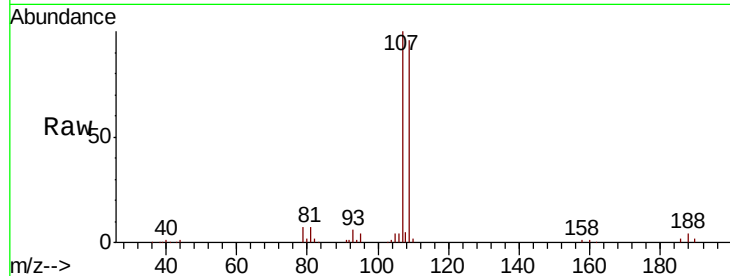
#61
 1,2-Dibromoethane
 Concen: 20.64 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.2	75.4	113.2

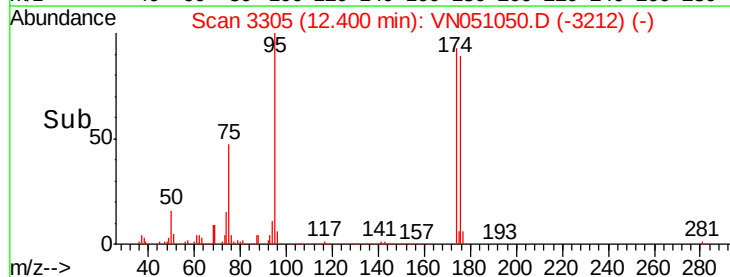
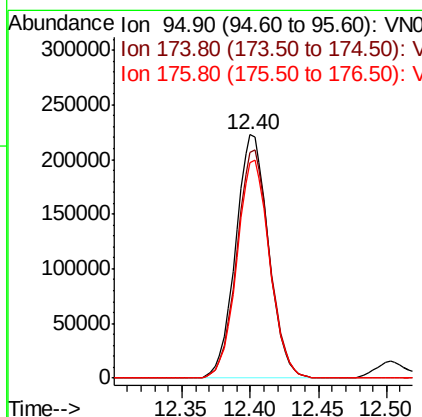
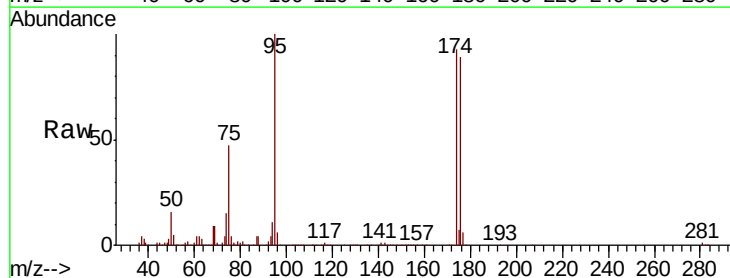
Manual Integrations
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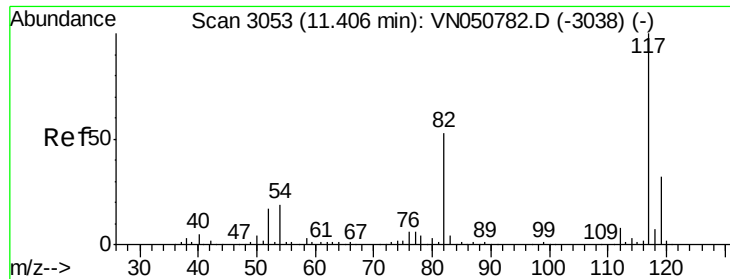
MMDadoda
 9/10/2018 11:53:35 AM



#62
 4-Bromofluorobenzene
 Concen: 47.04 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	183.0
176	89.2	0.0	178.8





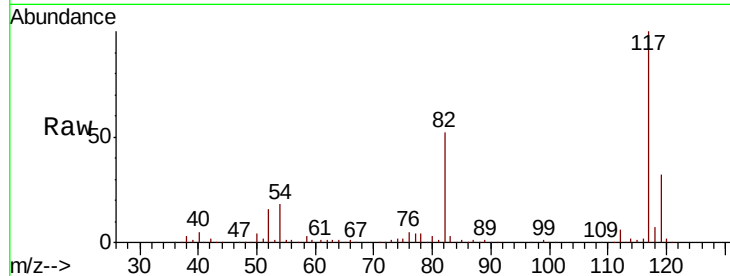
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	64.0
119	32.2	25.8	38.6

Manual Integrations
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MMDadoda
9/10/2018 11:53:35 AM

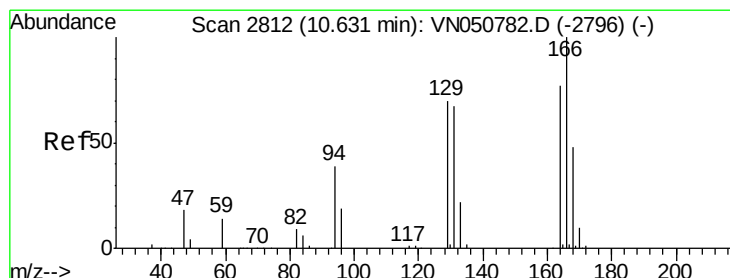
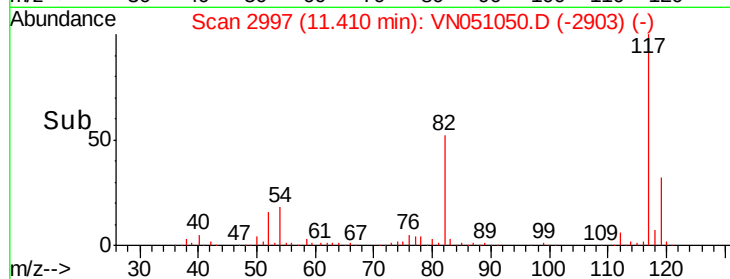
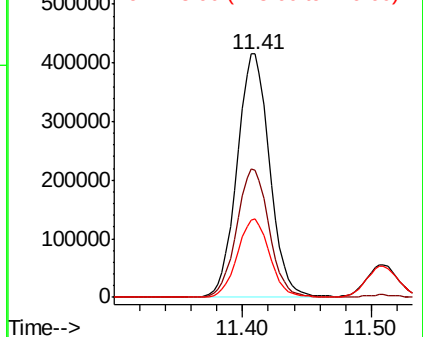


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.75 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.7	103.5	155.3
129	92.9	72.7	109.1
131	89.2	69.5	104.3

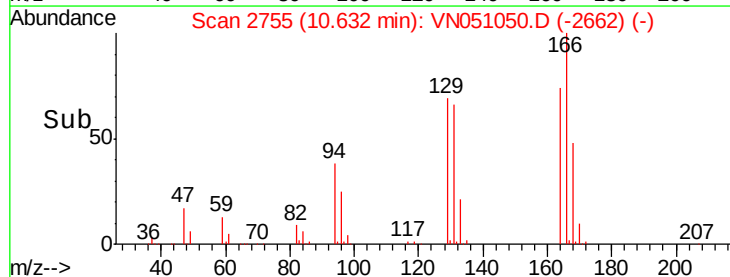
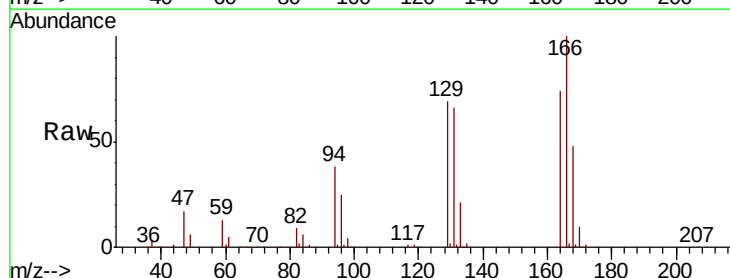
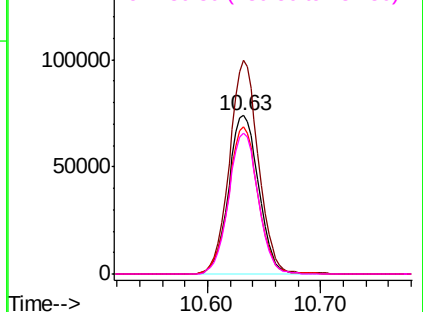
Abundance

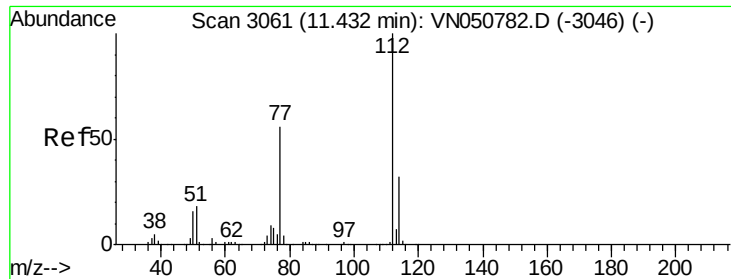
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





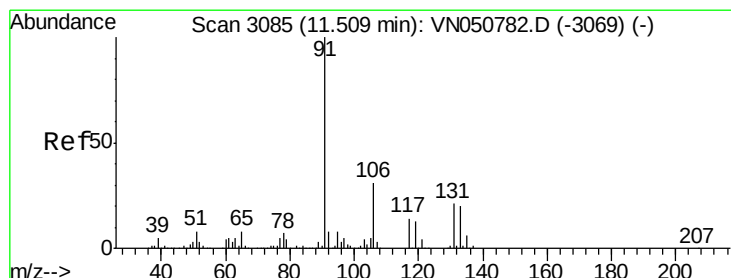
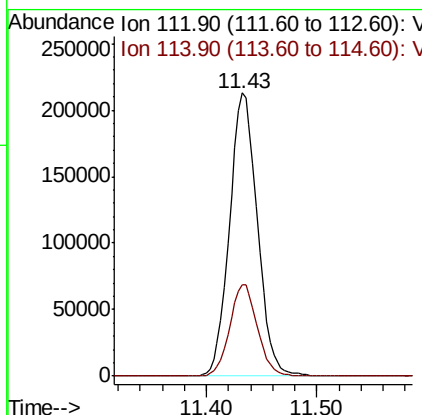
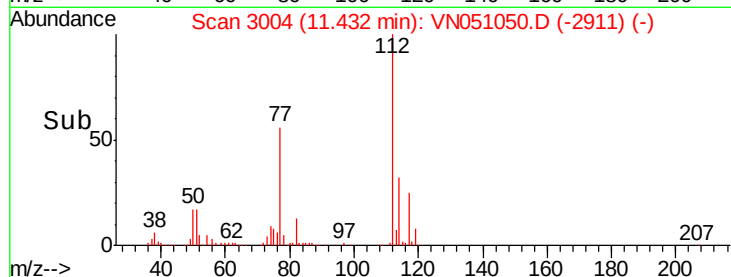
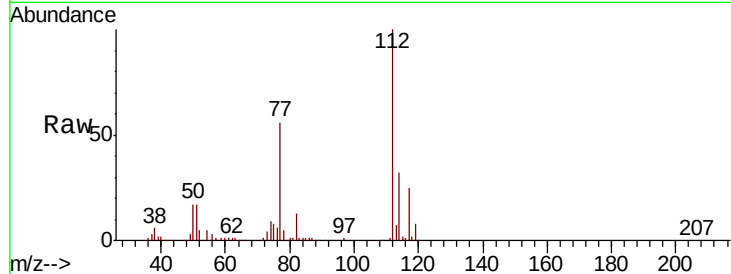
#65
Chlorobenzene
Concen: 19.57 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4

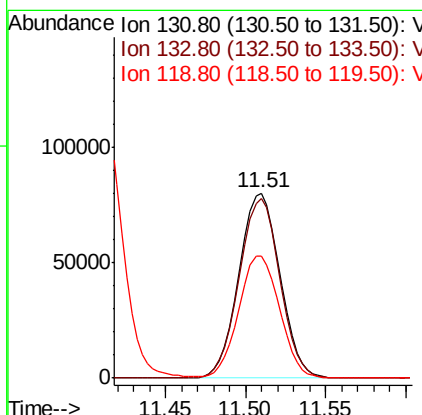
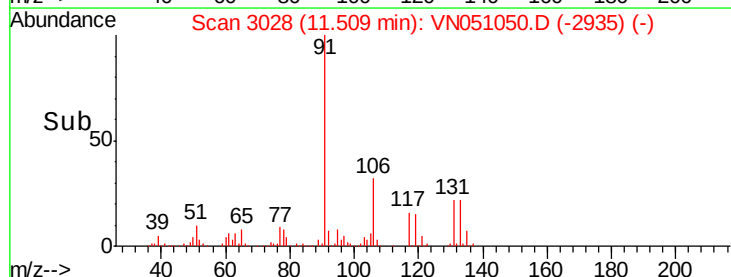
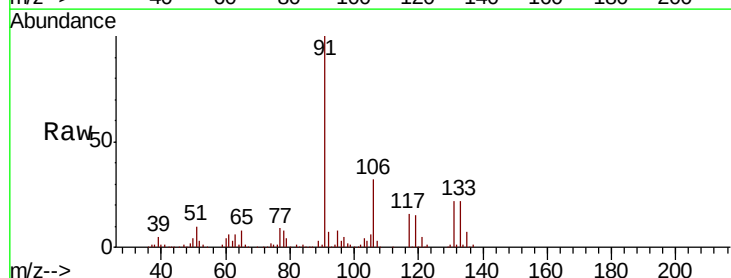
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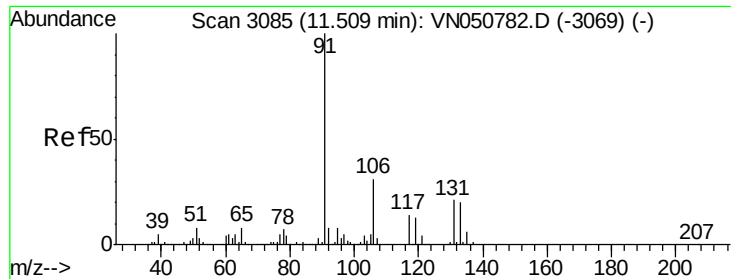
MMDadoda
9/10/2018 11:53:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.13 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.4	142.3
119	65.8	32.8	98.4





#67

Ethyl Benzene

Concen: 19.57 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

Tot Ion: 91 Resp: 606982

Ion Ratio Lower Upper

91 100

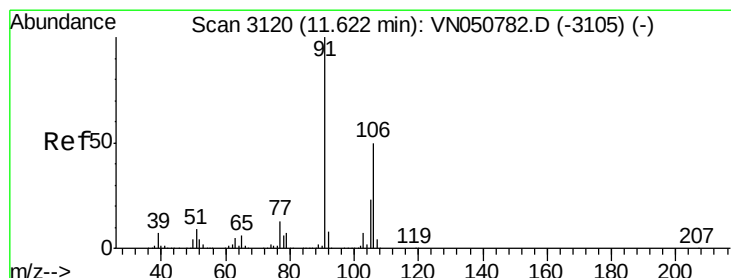
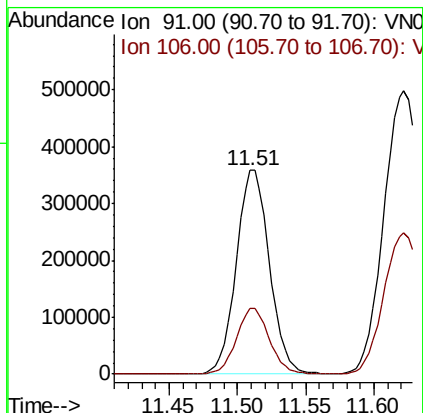
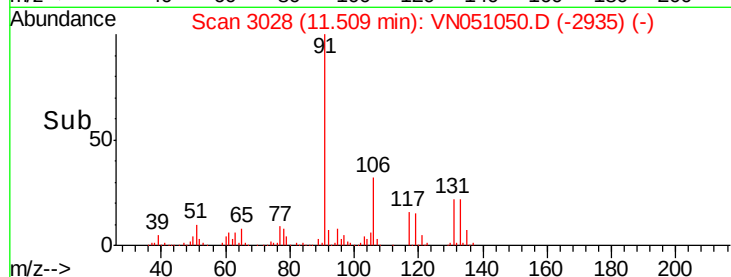
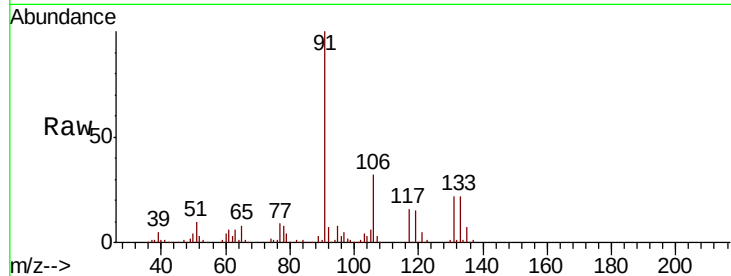
106 32.0 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.27 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051050.D

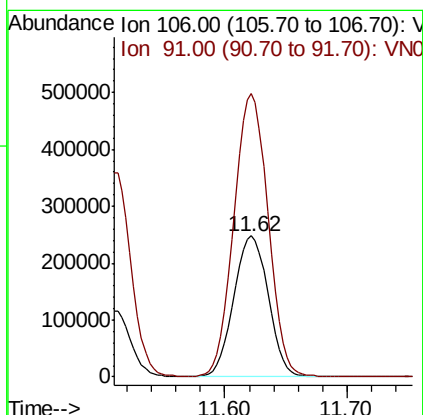
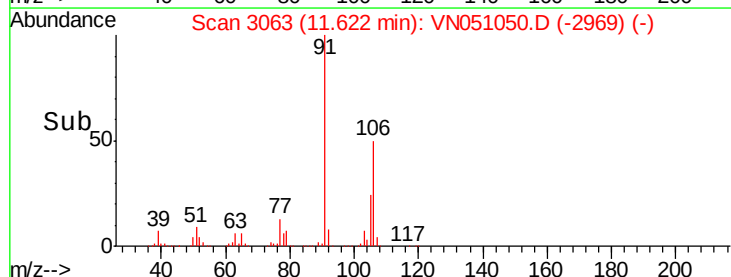
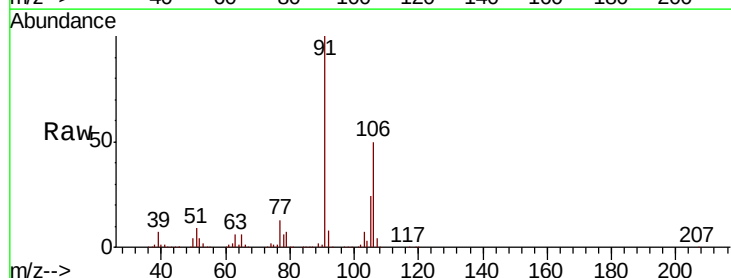
Acq: 7 Sep 2018 13:47

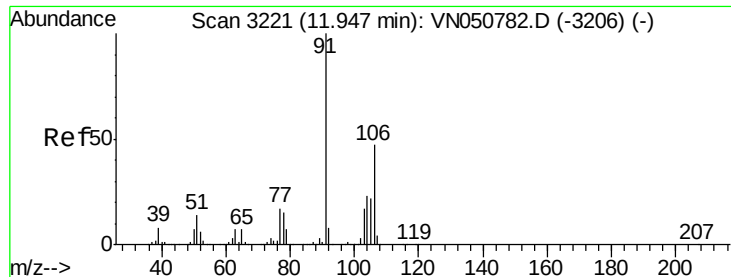
Tgt Ion: 106 Resp: 485922

Ion Ratio Lower Upper

106 100

91 199.2 161.0 241.6





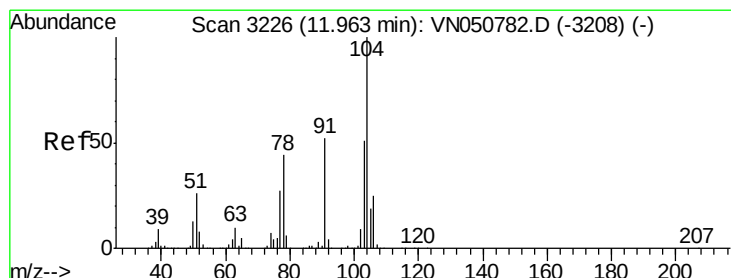
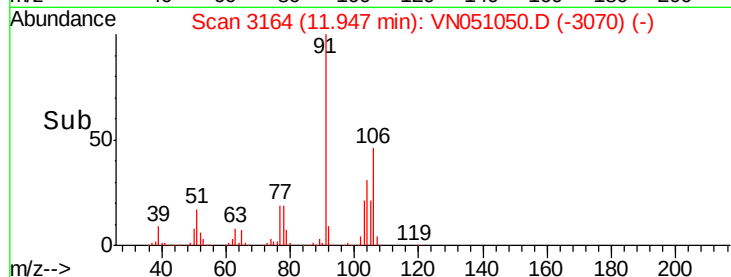
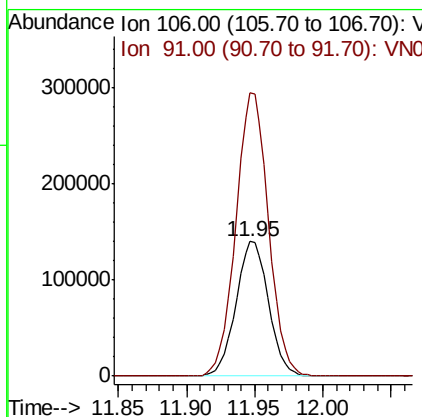
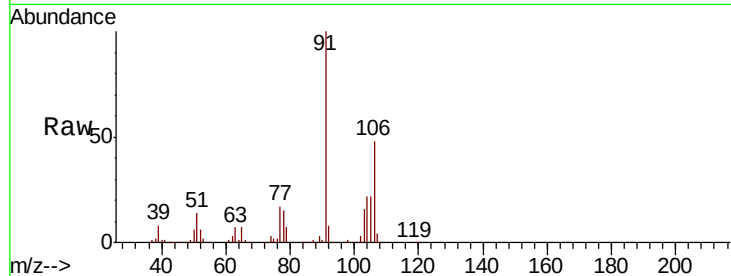
#69
o-Xylene
Concen: 20.51 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.2	106.5	319.5

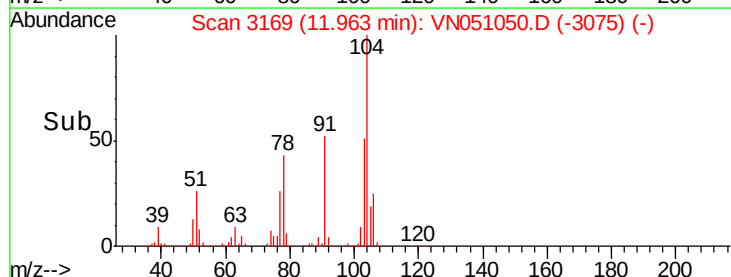
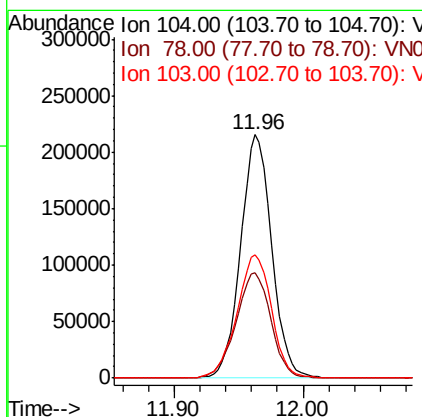
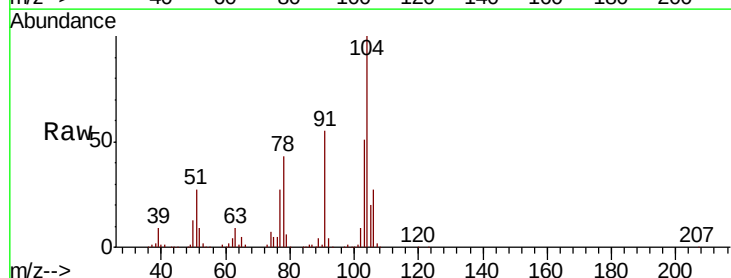
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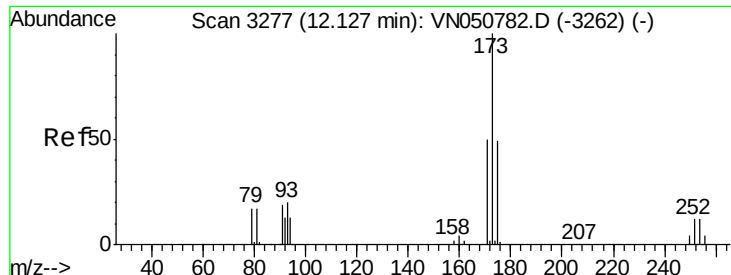
MMDadoda
9/10/2018 11:53:35 AM



#70
Styrene
Concen: 18.94 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.2	57.4
103	56.3	44.4	66.6





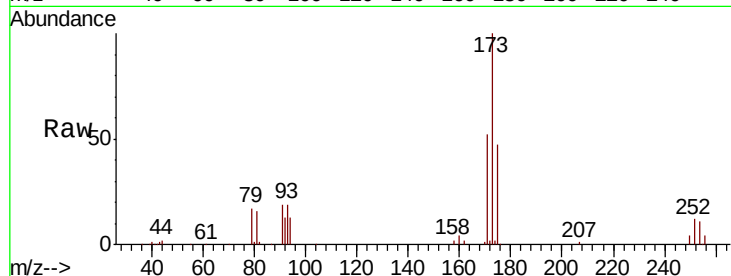
#71
Bromoform
Concen: 20.93 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.1	0.1	0.1#

Manual Integrations
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9/10/2018 11:53:35 AM

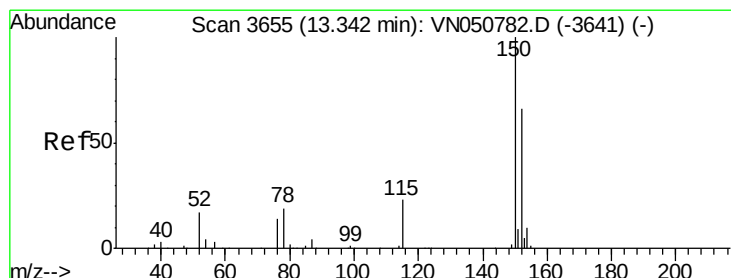
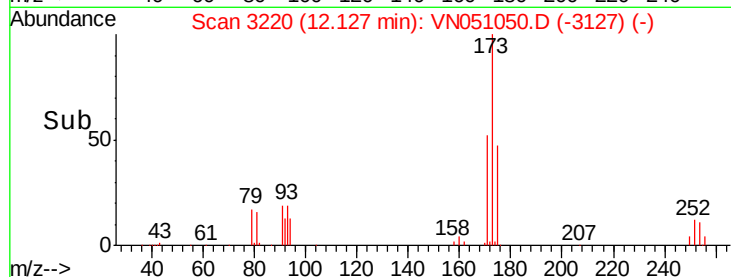
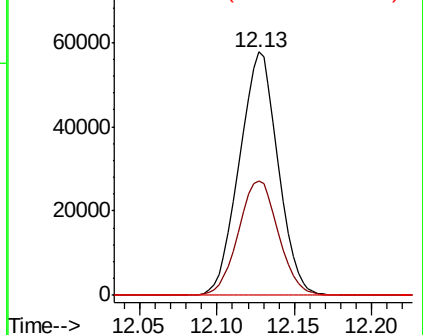


Abundance

Ion 172.70 (172.40 to 173.40): V

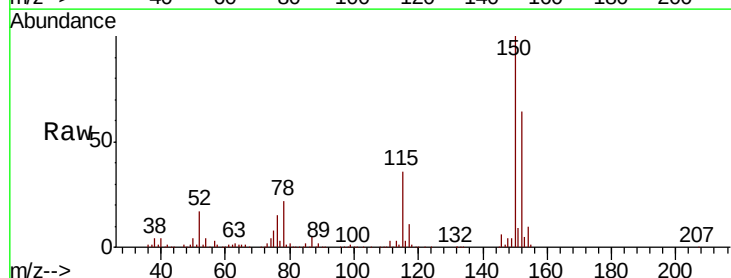
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	163.7	0.0	351.4

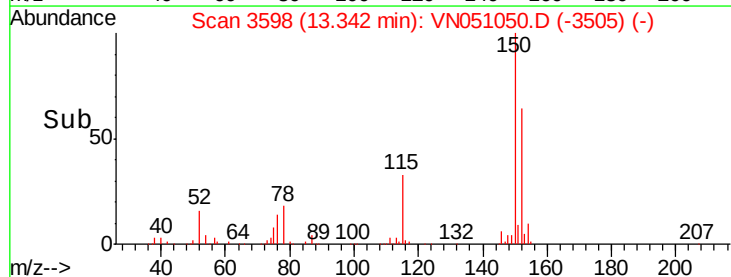
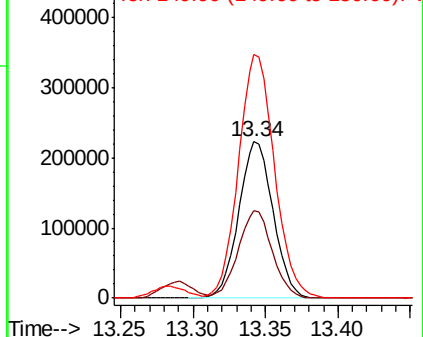


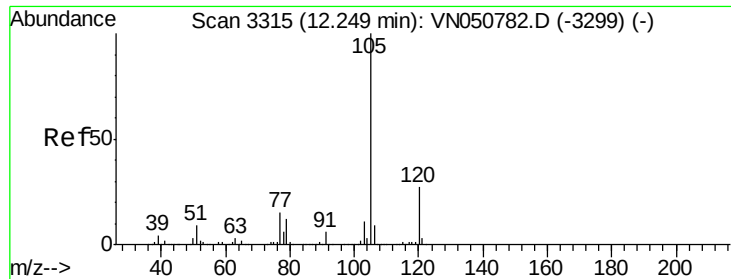
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





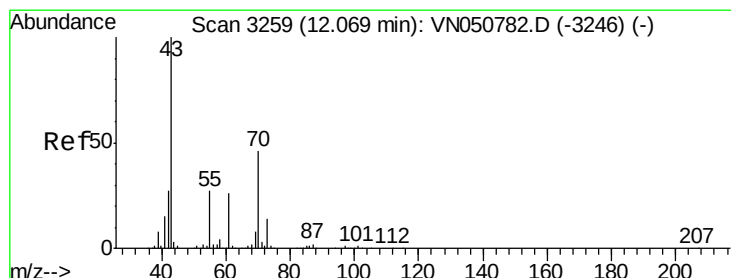
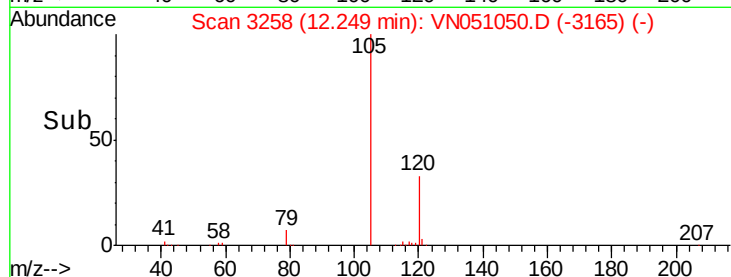
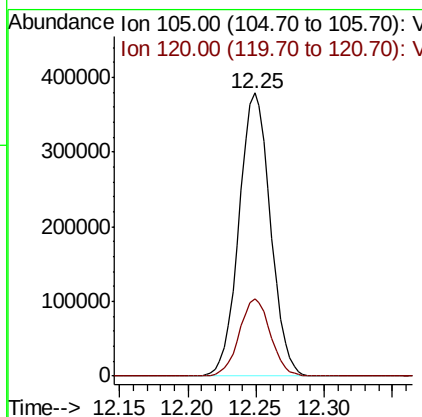
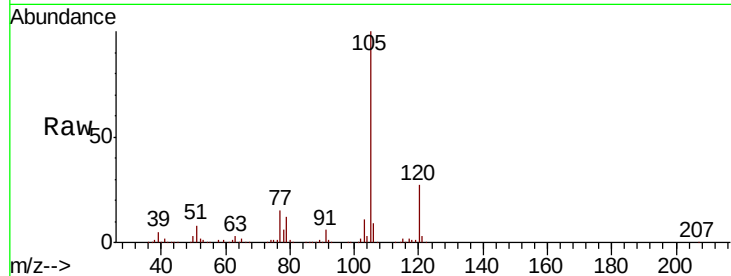
#73
Isopropylbenzene
Concen: 20.04 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

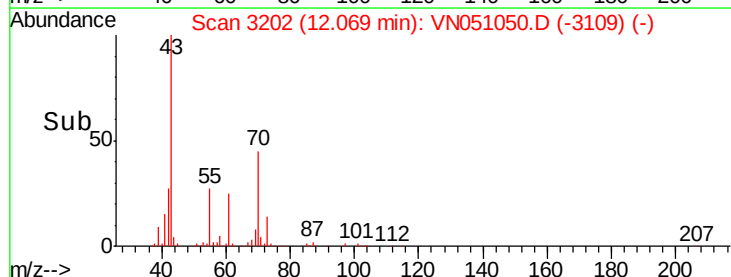
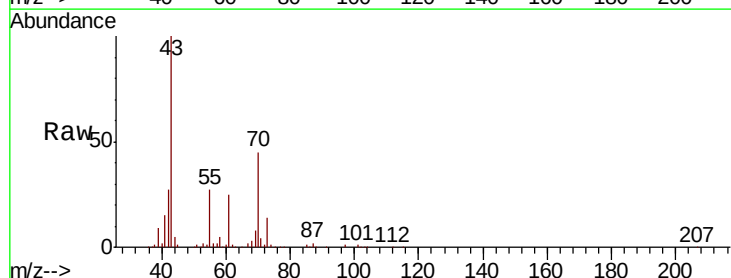
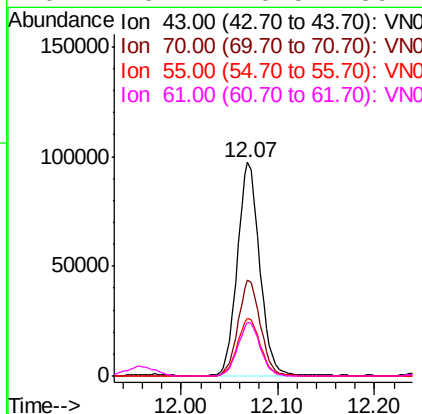
Manual Integrations
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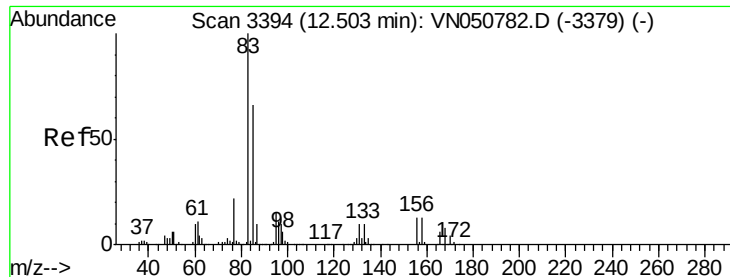
MMDadoda
9/10/2018 11:53:35 AM



#74
N-ethyl acetate
Concen: 20.61 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.7	36.2	54.2
55	27.7	21.8	32.8
61	25.1	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.14 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

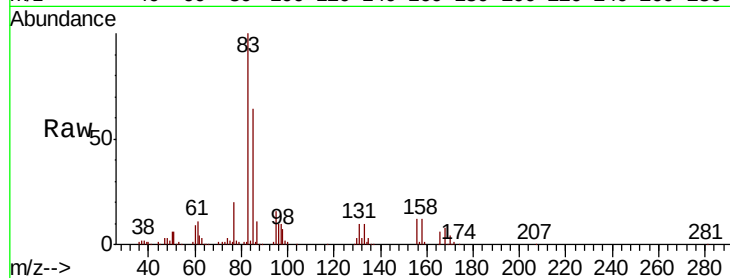
ClientSampled :

VN0907MBS01

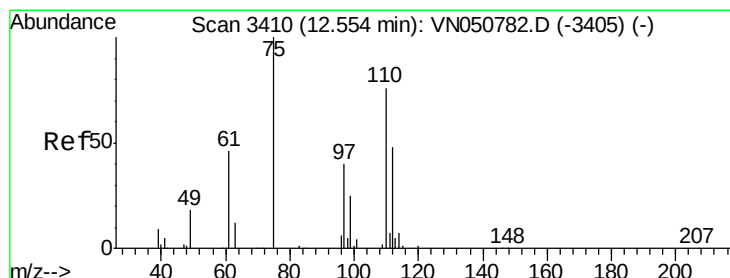
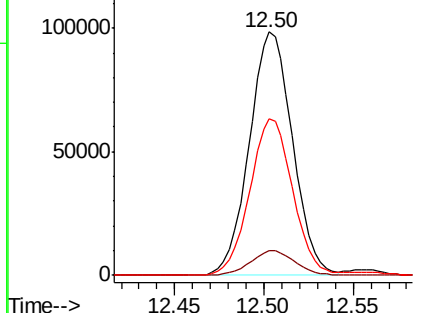
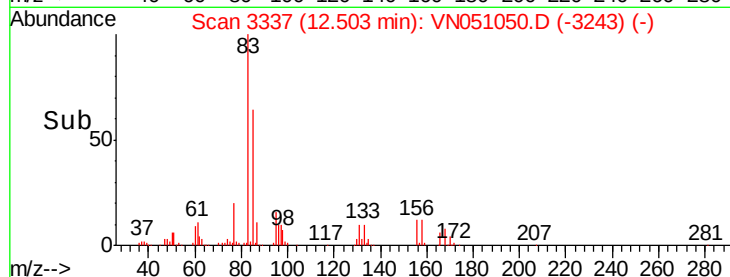
Tot Ion:	83	Resp:	166511
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	63.8	31.9	95.7

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Abundance Ion 82.90 (82.60 to 83.60): VN051050.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 20.35 ug/l m

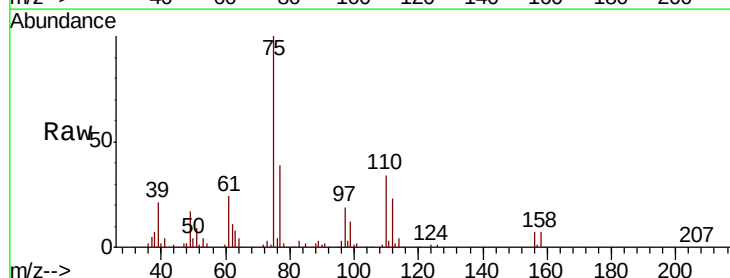
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

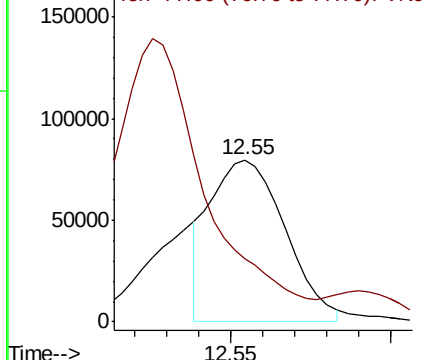
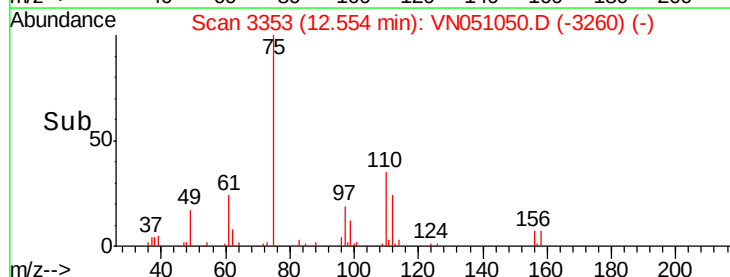
Lab File: VN051050.D

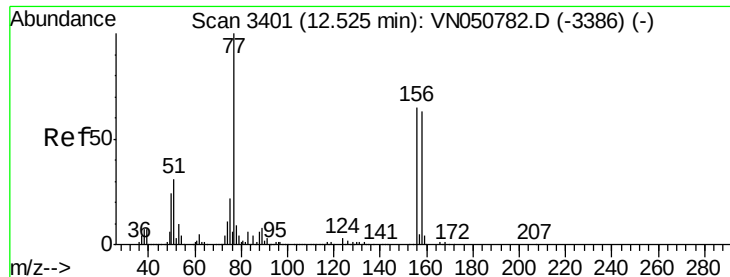
Acq: 7 Sep 2018 13:47

Tgt Ion:	75	Resp:	130406
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051050.D (-3260) (-)





#77

Bromobenzene

Concen: 19.23 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

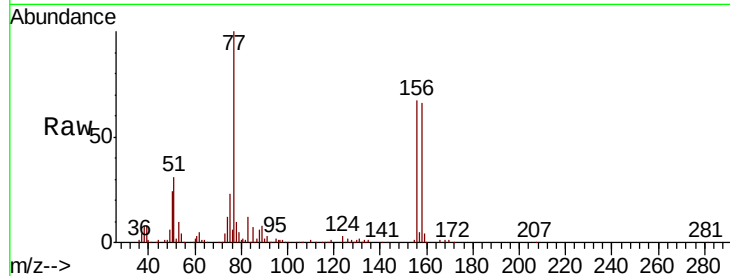
ClientSampleId :

VN0907MBS01

Tot Ion:	156	Resp:	158348
Ion Ratio	Lower	Upper	
156	100		
77	178.5	89.9	269.7
158	98.5	49.3	147.9

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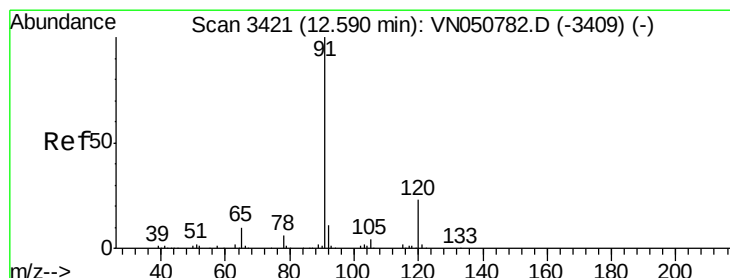
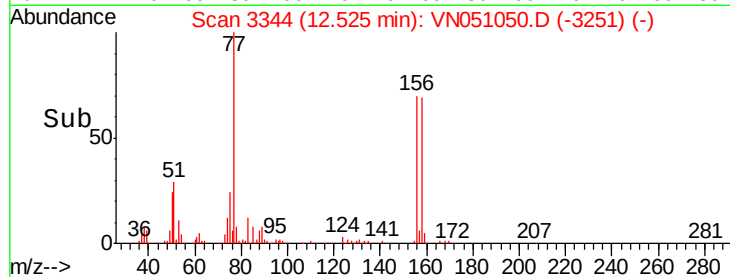
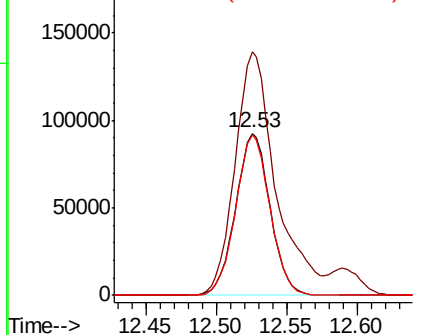
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.80 ug/l

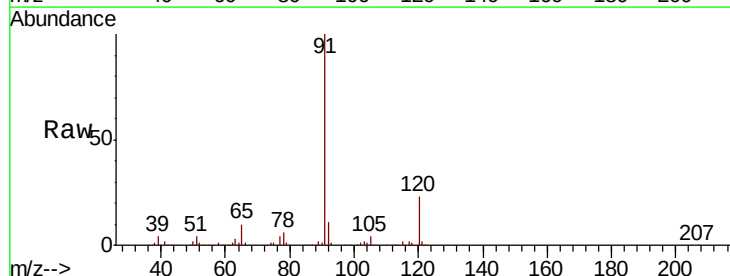
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051050.D

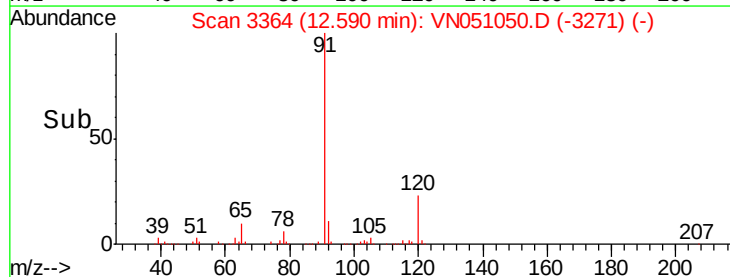
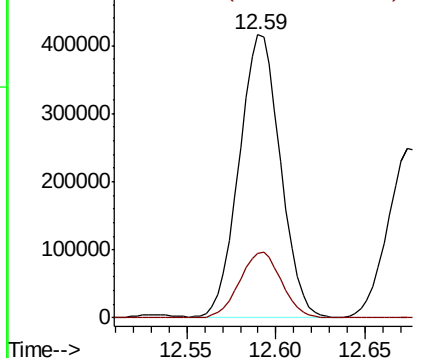
Acq: 7 Sep 2018 13:47

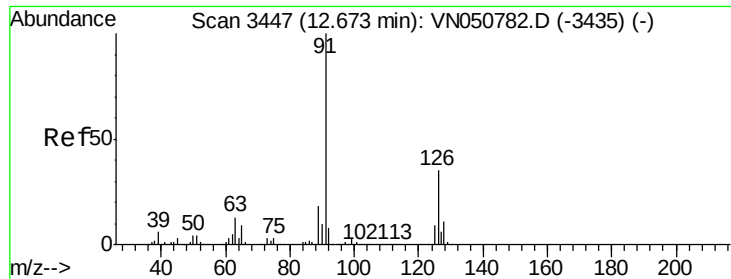
Tgt Ion:	91	Resp:	670132
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.69 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

Tot Ion: 91 Resp: 415028

Ion Ratio Lower Upper

91 100

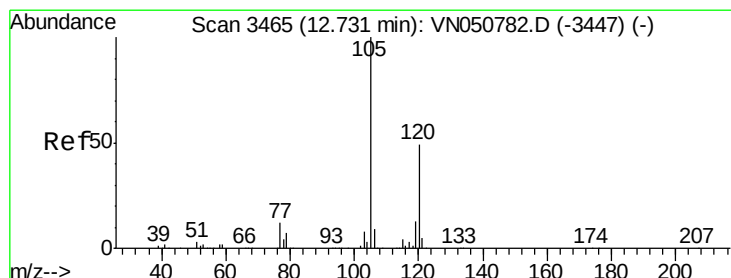
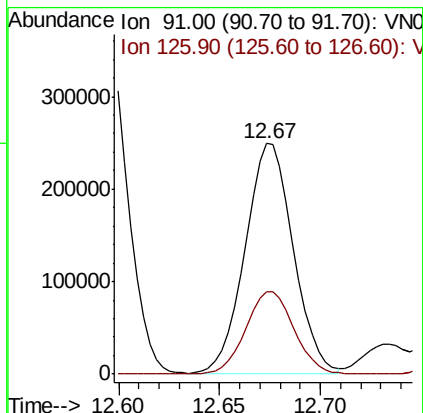
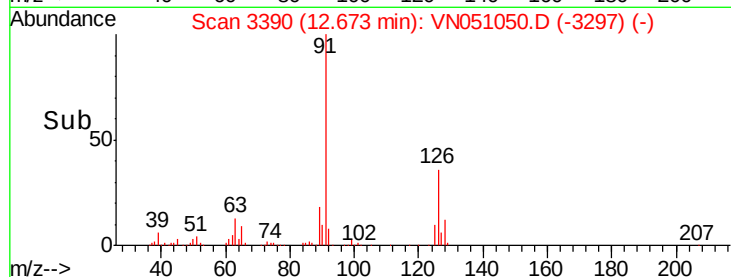
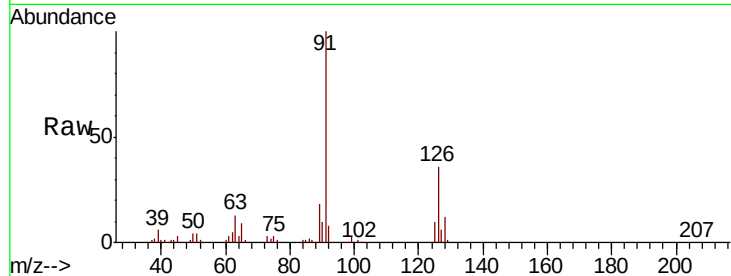
126 36.1 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.50 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051050.D

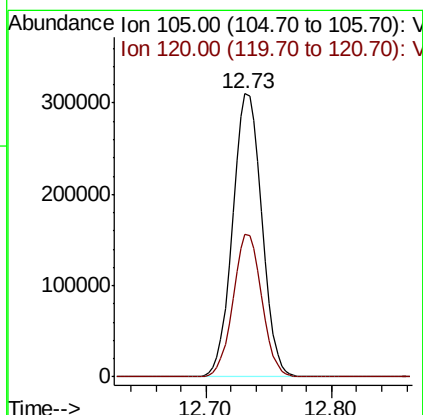
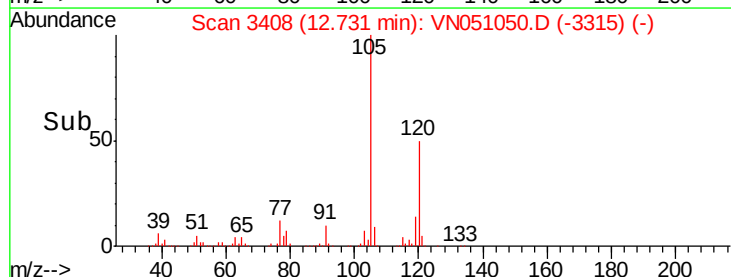
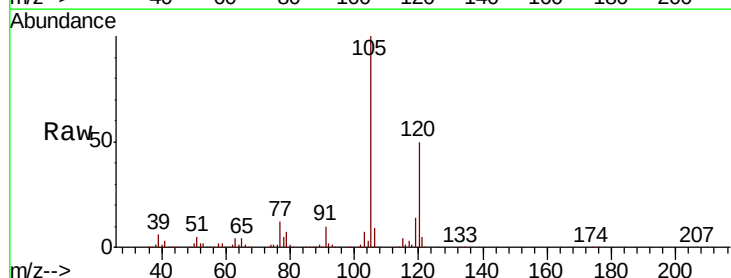
Acq: 7 Sep 2018 13:47

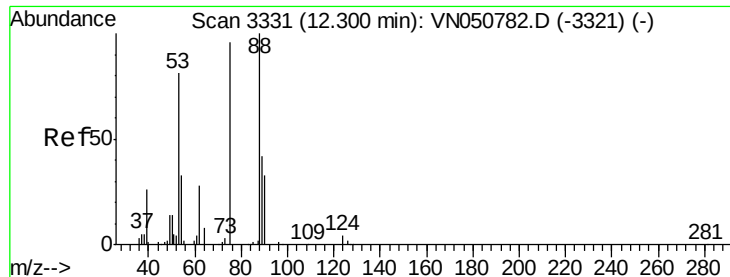
Tgt Ion: 105 Resp: 501102

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.22 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0907MBS01

Tot Ion: 75 Resp: 38336

Ion Ratio Lower Upper

75 100

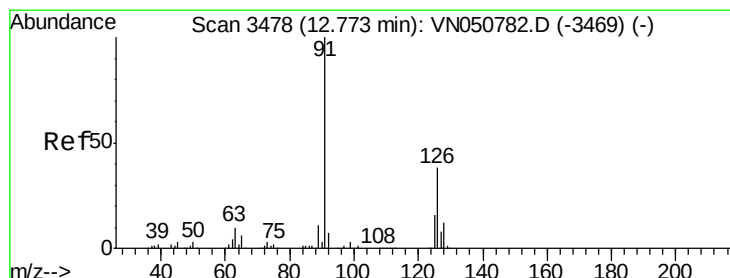
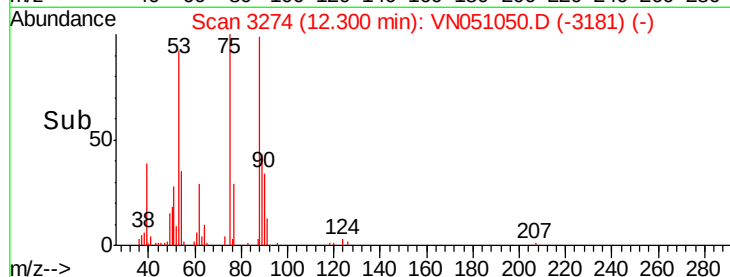
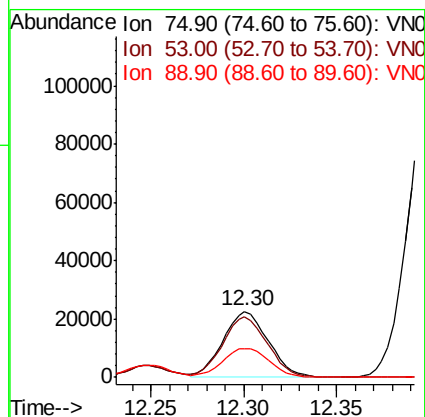
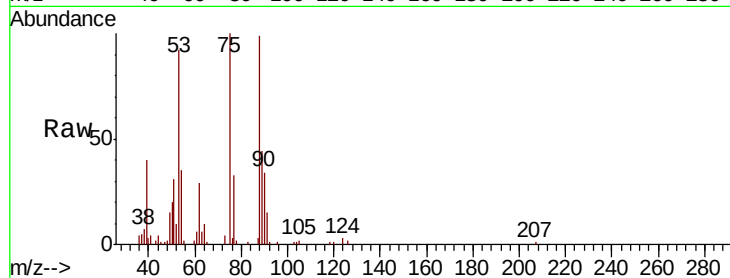
53 92.0 68.9 103.3

89 44.9 36.1 54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.63 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051050.D

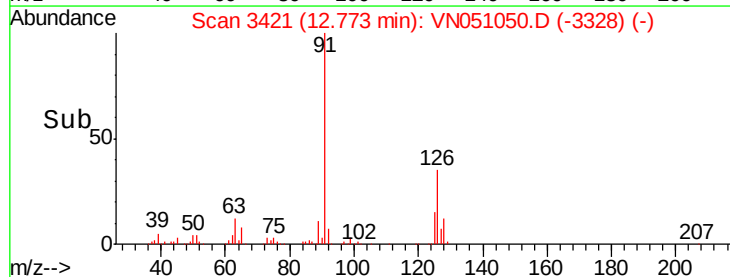
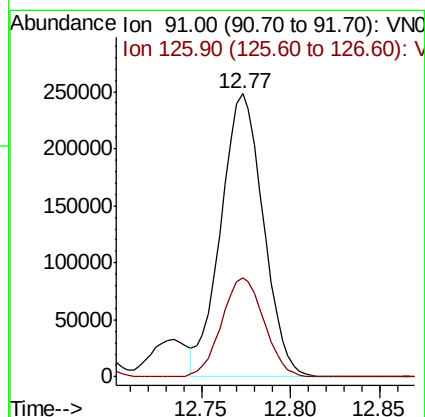
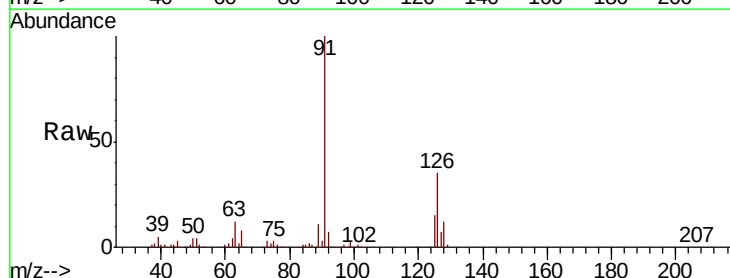
Acq: 7 Sep 2018 13:47

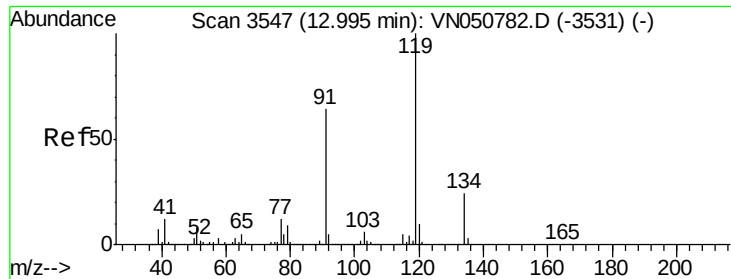
Tgt Ion: 91 Resp: 408553

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.5





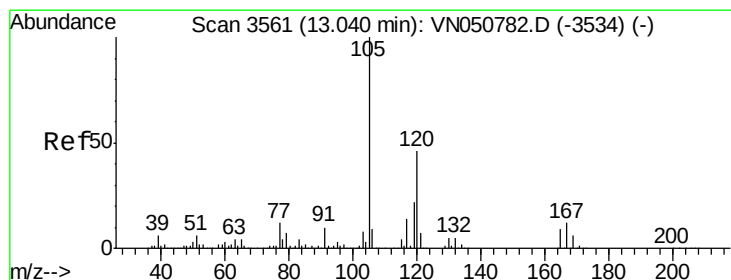
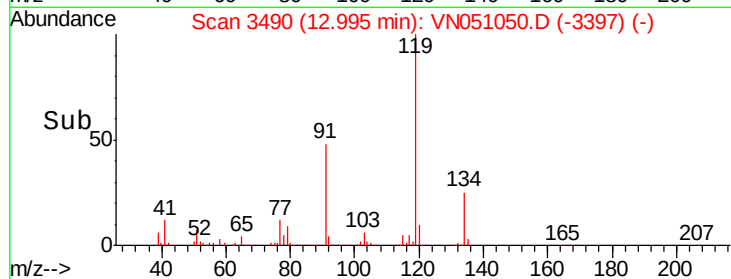
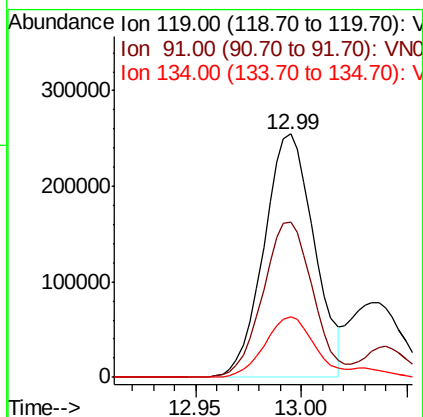
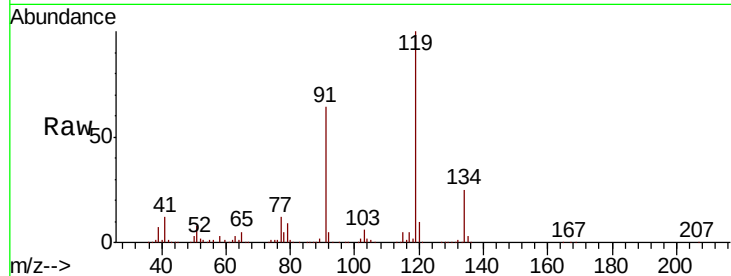
#83
 tert-Butylbenzene
 Concen: 19.96 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	422614		
91	63.1		31.6	94.7
134	25.0		13.4	40.1

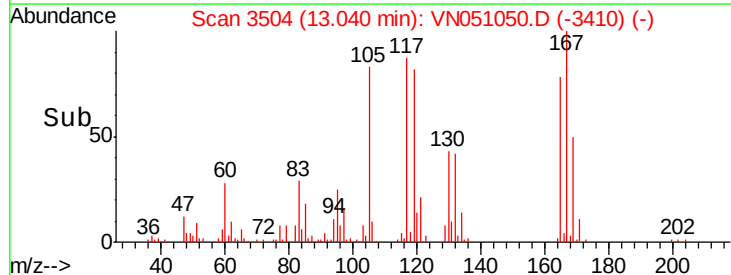
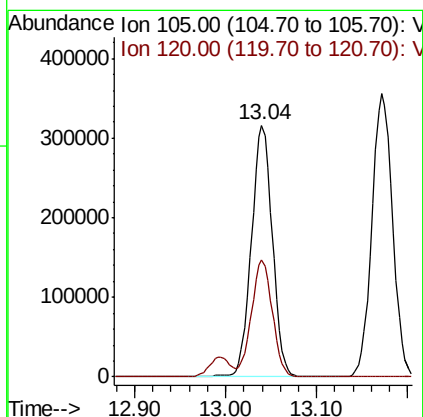
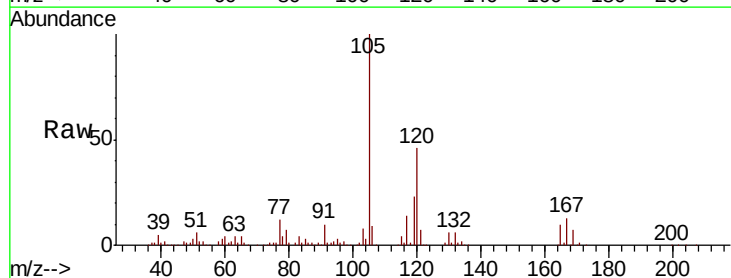
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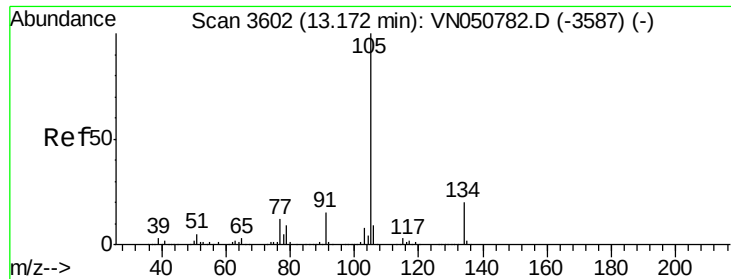
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.58 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	506134		
120	46.3		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.17 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0907MBS01

Tot Ion:105 Resp: 559617

Ion Ratio Lower Upper

105 100

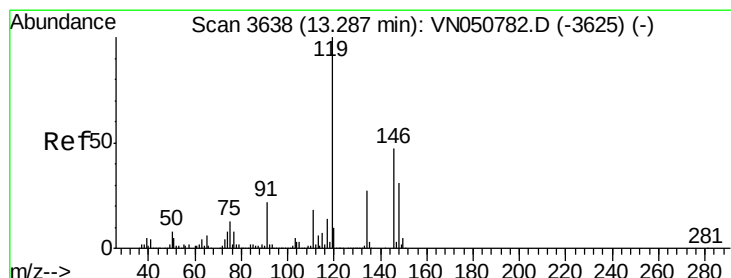
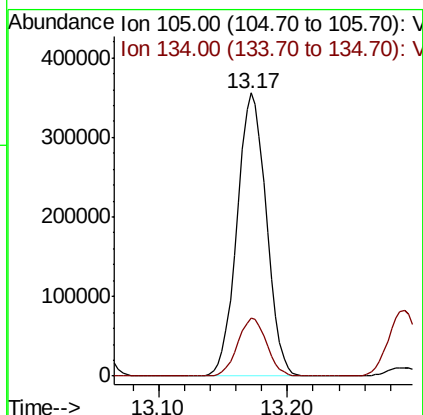
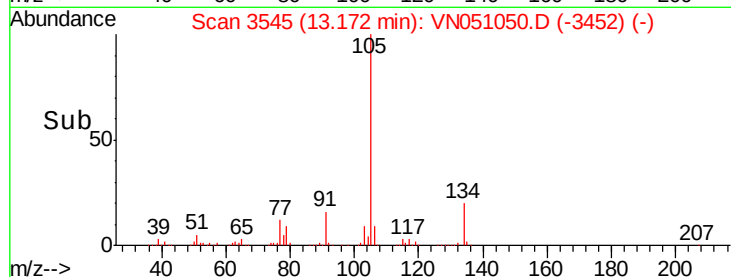
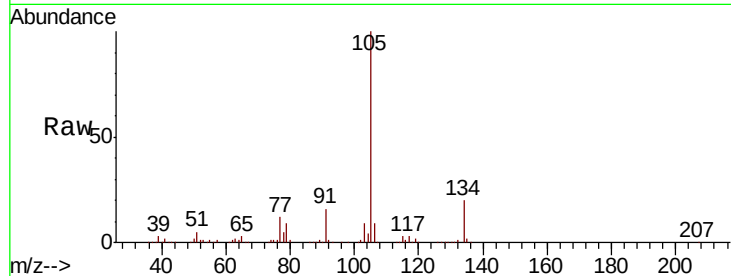
134 20.4 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 20.39 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

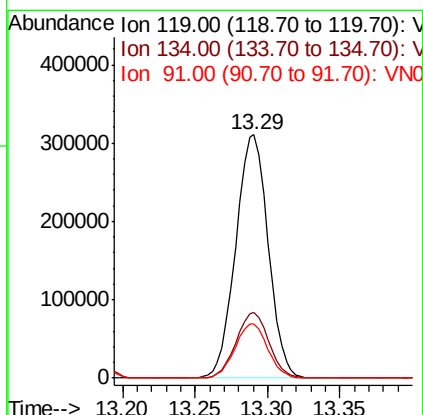
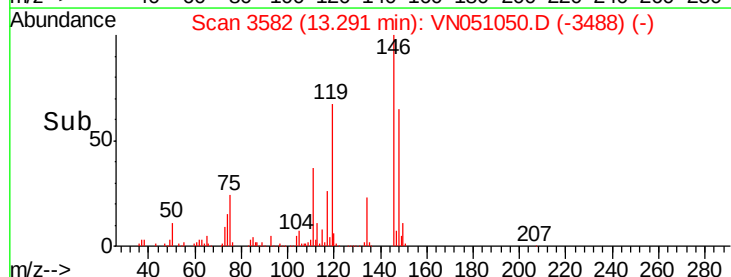
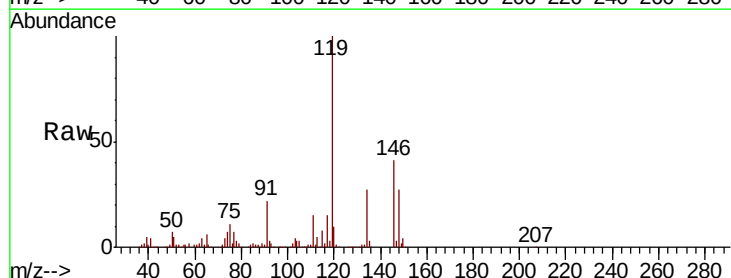
Tgt Ion:119 Resp: 481875

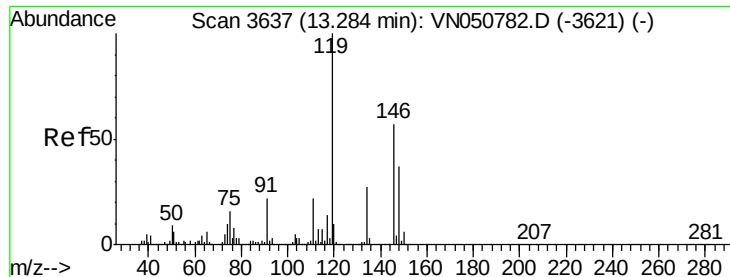
Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 22.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.25 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

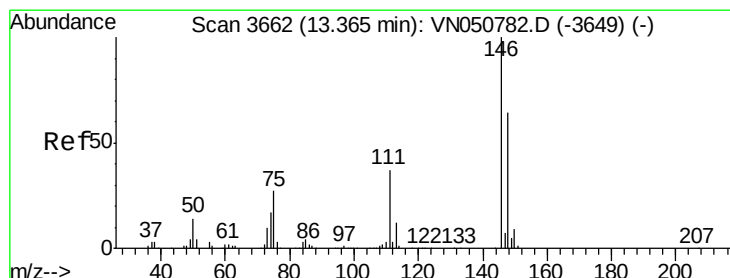
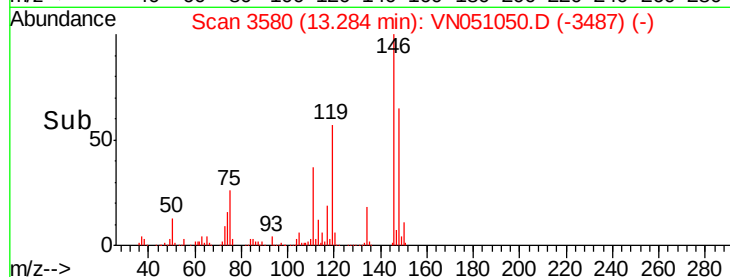
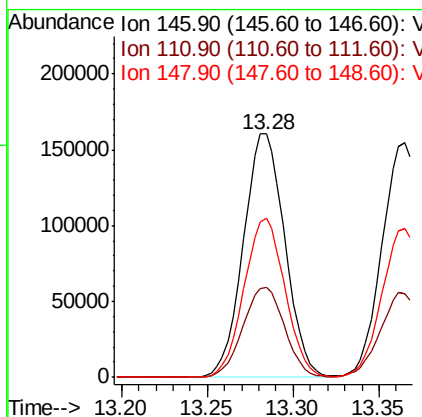
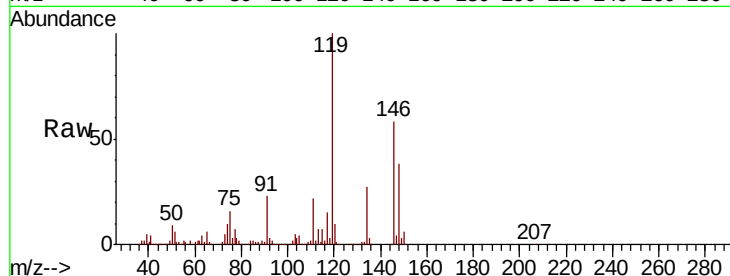
ClientSampled :

VN0907MBS01

Tot Ion:	146	Resp:	268912
Ion Ratio	Lower	Upper	
146	100		
111	37.0	19.1	57.3
148	64.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 18.87 ug/l

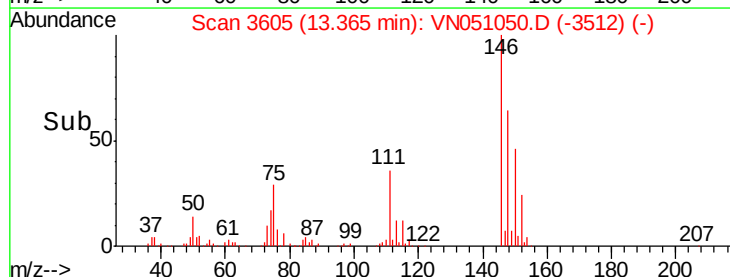
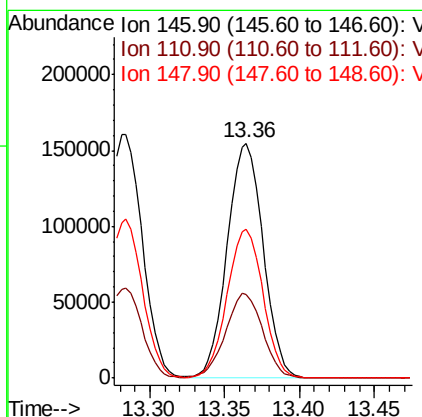
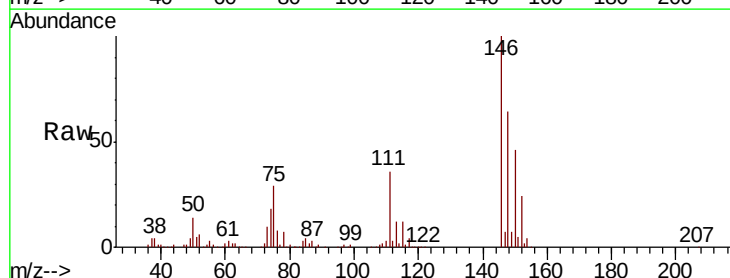
RT: 13.36 min Scan# 3605

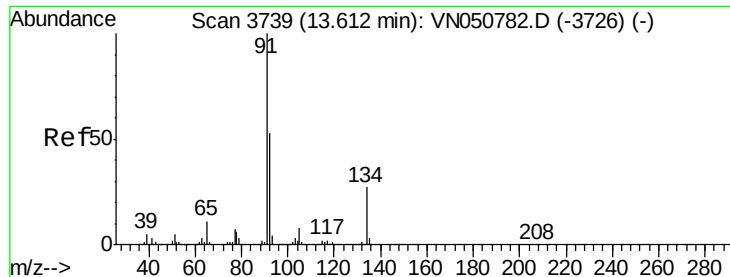
Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Tgt Ion:	146	Resp:	259544
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.8	56.3
148	63.3	32.2	96.6





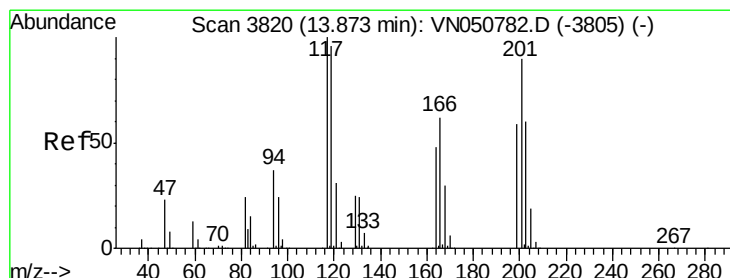
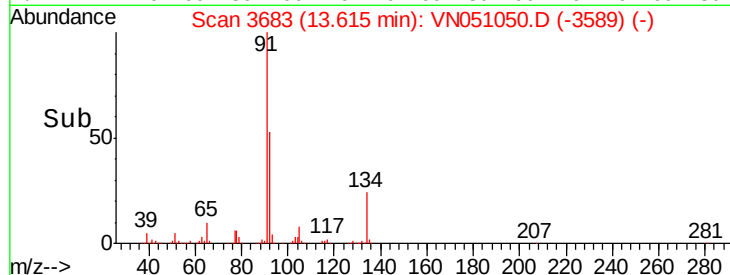
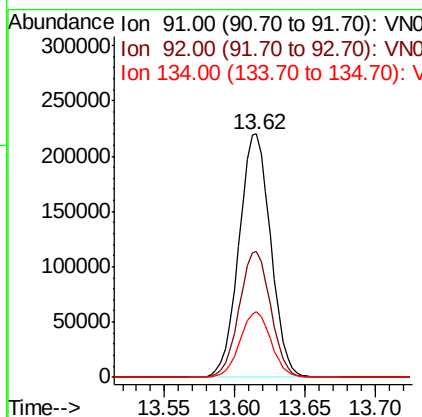
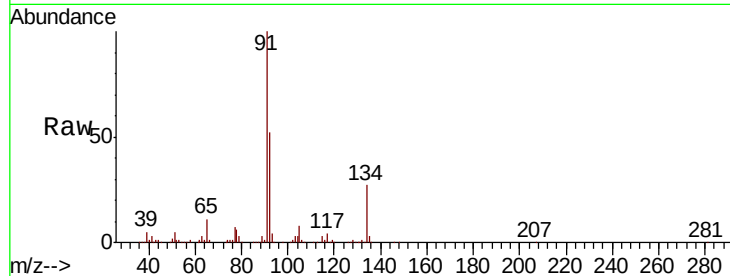
#89
n-Butylbenzene
Concen: 18.36 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.1	78.2
134	26.3	13.2	39.6

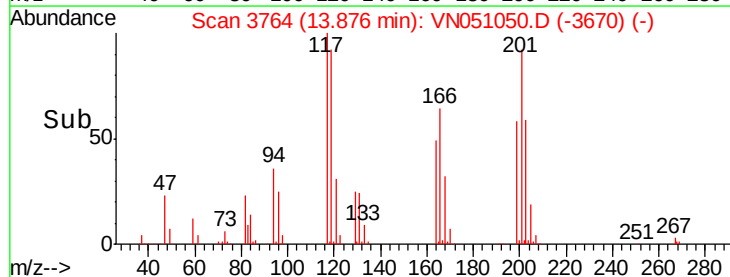
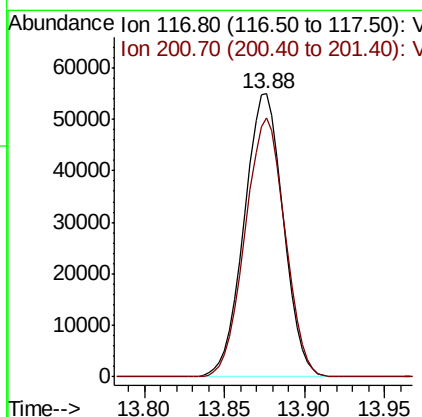
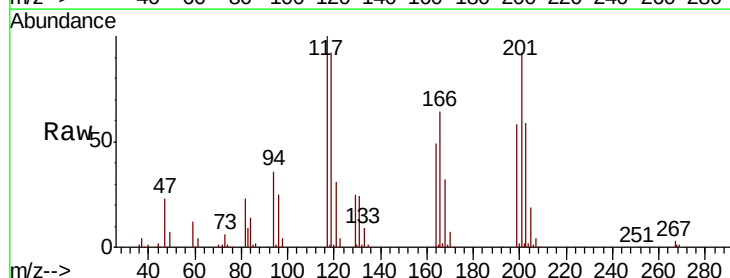
Manual Integrations
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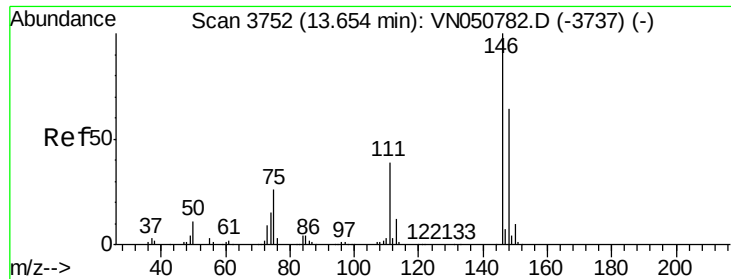
MMDadoda
9/10/2018 11:53:35 AM



#90
Hexachloroethane
Concen: 20.53 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.0	46.0	137.8





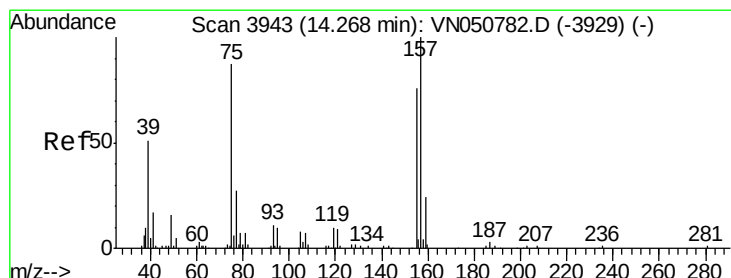
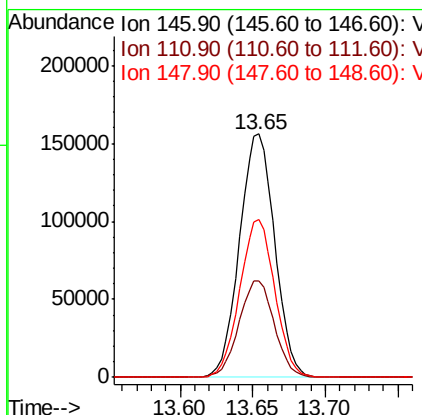
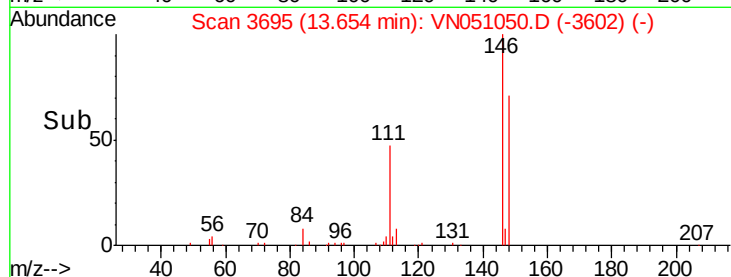
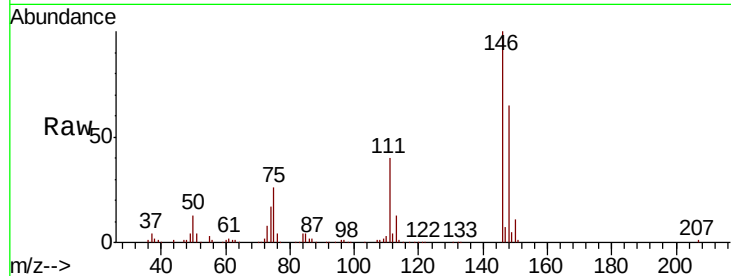
#91
 1,2-Dichlorobenzene
 Concen: 19.55 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.3
148	64.6	32.3	96.8

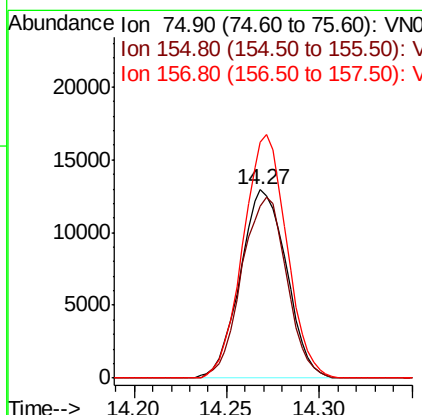
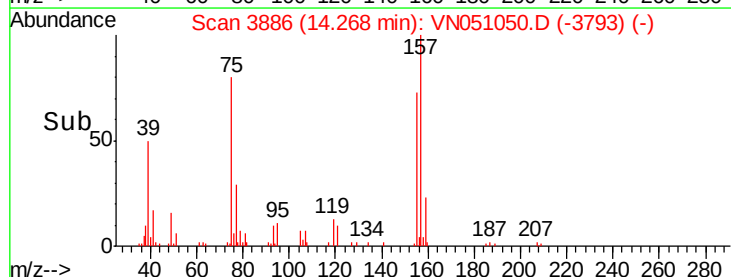
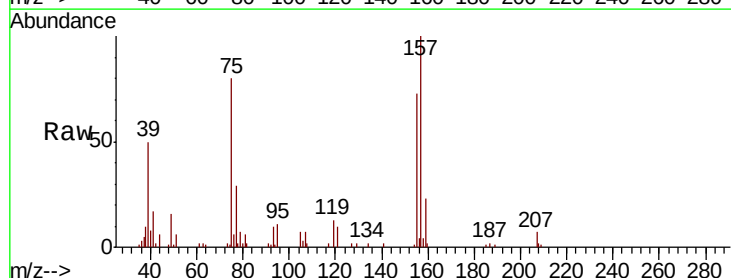
Manual Integrations
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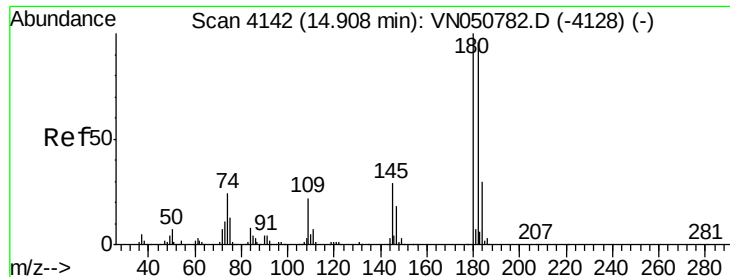
MMDadoda
 9/10/2018 11:53:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.56 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051050.D
 Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	46.4	139.1
157	122.4	60.7	182.0





#93

1,2,4-Trichlorobenzene

Concen: 16.95 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051050.D

Acq: 7 Sep 2018 13:47

Instrument :

MSVOA_N

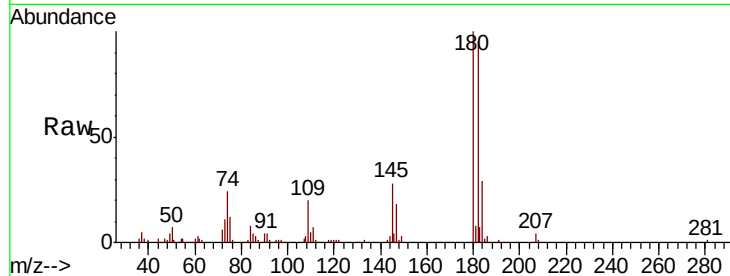
ClientSampleId :

VN0907MBS01

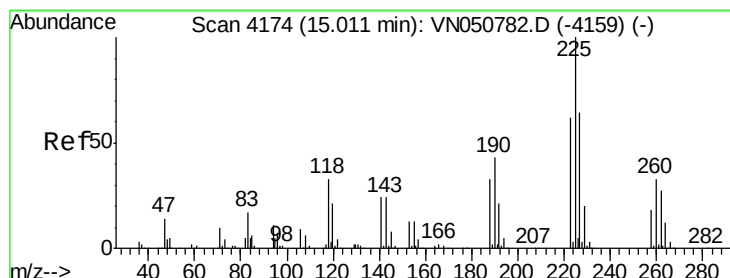
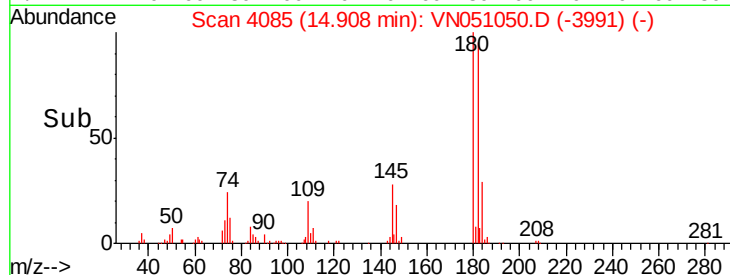
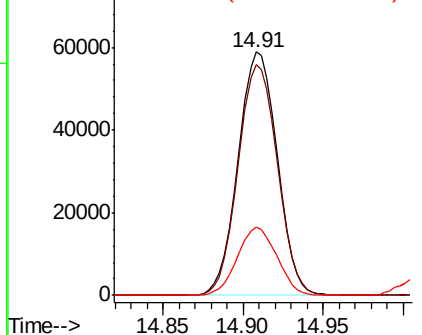
Tot Ion:	180	Resp:	98281
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.2	144.6
145	28.3	14.1	42.2

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.35 ug/l

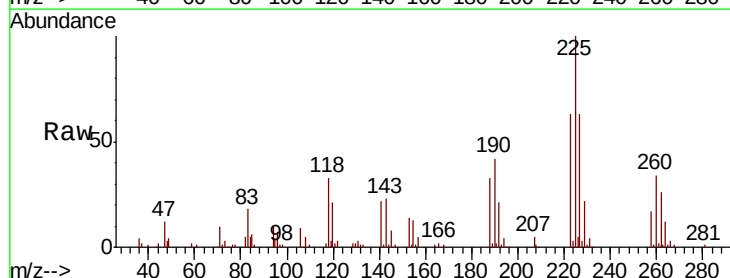
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

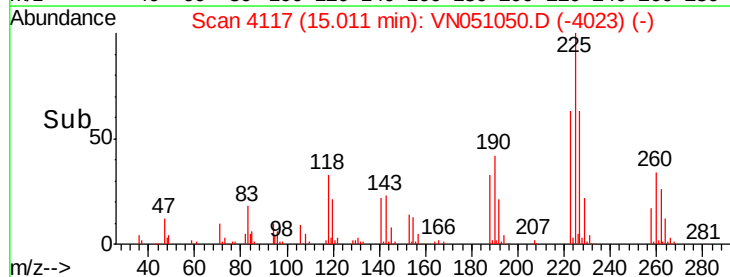
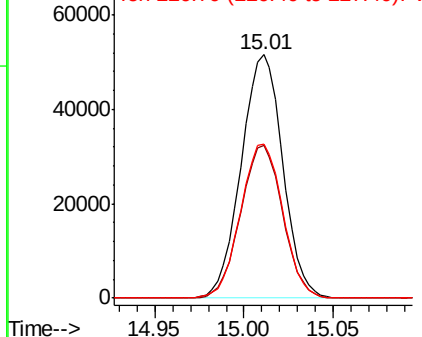
Lab File: VN051050.D

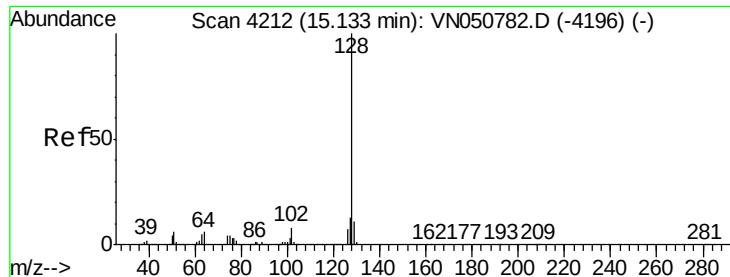
Acq: 7 Sep 2018 13:47

Tgt Ion:	225	Resp:	83978
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.3	93.8
227	64.3	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





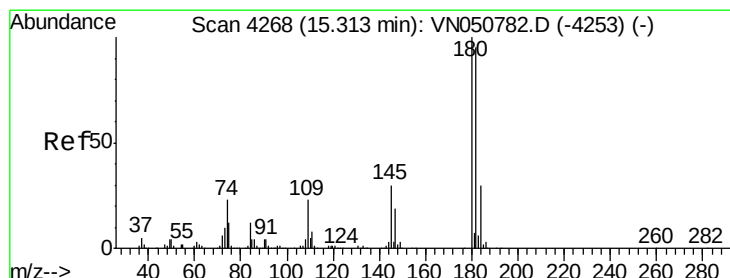
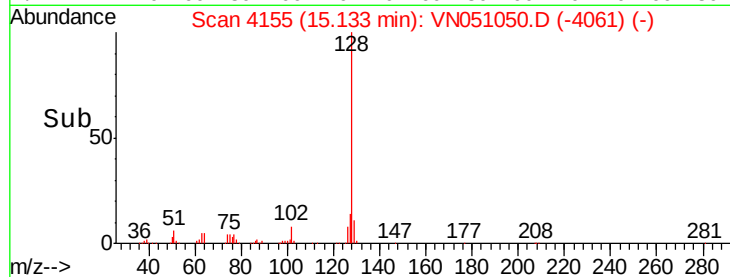
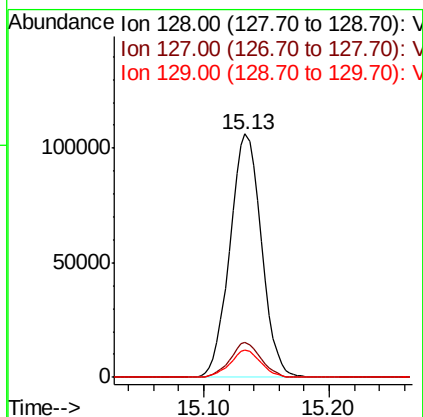
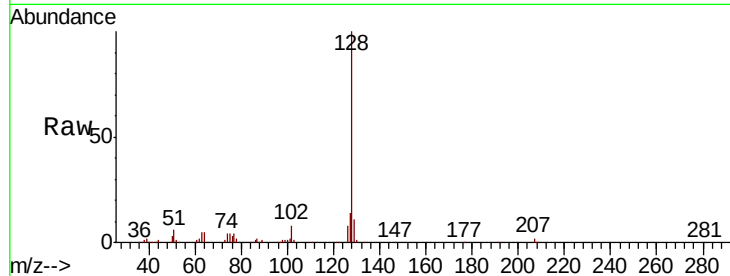
#95
Naphthalene
Concen: 16.73 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0907MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	10.7	8.7	13.1

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9/10/2018 11:53:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.01 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051050.D
Acq: 7 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.2
145	29.8	15.2	45.6

