

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050357.D
 Acq On : 4 Aug 2018 11:11
 Operator : MD\SY
 Sample : VN0804WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:39:53 AM

Quant Time: Aug 06 01:50:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	631716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	923990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	847975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	454447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	433244	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	7.59	113	381060	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.09	98	1426829	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	489886	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	165049	18.18	ug/l	100
3) Chloromethane	2.06	50	161481	16.37	ug/l	98
4) Vinyl Chloride	2.18	62	175153	16.86	ug/l	100
5) Bromomethane	2.56	94	92317	15.30	ug/l	99
6) Chloroethane	2.70	64	105285	16.87	ug/l	97
7) Trichlorofluoromethane	3.01	101	240655	17.88	ug/l	99
8) Diethyl Ether	3.41	74	85903	19.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154416	19.08	ug/l	98
10) Methyl Iodide	3.95	142	73327	7.06	ug/l	98
11) Tert butyl alcohol	4.79	59	61139	94.28	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	130536	17.93	ug/l	98
13) Acrolein	3.61	56	82723	158.76	ug/l	97
14) Allyl chloride	4.32	41	207412	18.37	ug/l	98
15) Acrylonitrile	4.99	53	266226	94.09	ug/l	100
16) Acetone	3.82	43	183874	85.71	ug/l	98
17) Carbon Disulfide	4.05	76	334252	14.99	ug/l	98
18) Methyl Acetate	4.33	43	193118	23.04	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	379605	19.56	ug/l	99
20) Methylene Chloride	4.55	84	159424	19.64	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	138119	17.90	ug/l	97
22) Diisopropyl ether	5.95	45	460591	20.58	ug/l	98
23) Vinyl Acetate	5.90	43	1386308	87.63	ug/l	99
24) 1,1-Dichloroethane	5.85	63	277452	18.95	ug/l	100
25) 2-Butanone	6.84	43	302949	90.11	ug/l	99
26) 2,2-Dichloropropane	6.82	77	232138	20.85	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	157952	19.02	ug/l	97
28) Bromochloromethane	7.20	49	139738	20.93	ug/l	99
29) Tetrahydrofuran	7.22	42	200516	92.30	ug/l	99
30) Chloroform	7.37	83	284936	19.07	ug/l	97
31) Cyclohexane	7.66	56	215927	17.74	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	237064	18.55	ug/l	100
36) 1,1-Dichloropropene	7.79	75	198065	19.03	ug/l	99
37) Ethyl Acetate	6.93	43	131648	18.14	ug/l	99
38) Carbon Tetrachloride	7.77	117	205877	18.64	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	202475	18.91	ug/l	98
40) Benzene	8.04	78	619561	19.56	ug/l	100
41) Methacrylonitrile	7.18	41	70698	20.42	ug/l	85
42) 1,2-Dichloroethane	8.12	62	204322	19.33	ug/l	99
43) Isopropyl Acetate	8.17	43	265088	18.67	ug/l	98
44) Trichloroethene	8.84	130	160981	18.91	ug/l	99
45) 1,2-Dichloropropane	9.12	63	168283	20.06	ug/l	97
46) Dibromomethane	9.21	93	101038	19.39	ug/l	99
47) Bromodichloromethane	9.40	83	213775	19.44	ug/l	98
48) Methyl methacrylate	9.20	41	123235	19.72	ug/l	99
49) 1,4-Dioxane	9.20	88	34642	407.24	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	717184	100.52	ug/l	100
52) Toluene	10.16	92	380730	20.36	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211873	20.42	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	242925	20.49	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	151315	20.40	ug/l	99
56) Ethyl methacrylate	10.43	69	178435	19.07	ug/l	99
57) 1,3-Dichloropropane	10.71	76	247297	20.48	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	448303	100.78	ug/l	99
59) 2-Hexanone	10.75	43	491323	96.95	ug/l	99
60) Dibromochloromethane	10.90	129	164894	20.08	ug/l	99
61) 1,2-Dibromoethane	11.01	107	143448	19.49	ug/l	98
64) Tetrachloroethene	10.63	164	154277	18.92	ug/l	99
65) Chlorobenzene	11.44	112	425489	19.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	161360	19.61	ug/l	99
67) Ethyl Benzene	11.51	91	690801	20.08	ug/l	100
68) m/p-Xylenes	11.62	106	543833	41.79	ug/l	100
69) o-Xylene	11.95	106	258971	20.87	ug/l	99
70) Styrene	11.97	104	423235	19.75	ug/l	99
71) Bromoform	12.13	173	115259	19.25	ug/l #	99
73) Isopropylbenzene	12.25	105	693320	19.67	ug/l	99
74) N-amyl acetate	12.07	43	201798	18.73	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	195186	19.66	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	161973m	19.18	ug/l	
77) Bromobenzene	12.53	156	184358	18.87	ug/l	99
78) n-propylbenzene	12.59	91	810231	20.57	ug/l	100
79) 2-Chlorotoluene	12.68	91	493932	20.23	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	586776	21.17	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49238	18.49	ug/l	95
82) 4-Chlorotoluene	12.77	91	493930	20.43	ug/l	99
83) tert-Butylbenzene	12.99	119	503684	20.82	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	603111	21.58	ug/l	99
85) sec-Butylbenzene	13.17	105	685616	21.21	ug/l	99
86) p-Isopropyltoluene	13.29	119	593308	21.78	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	332009	20.05	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	325529	20.17	ug/l	98
89) n-Butylbenzene	13.62	91	479991	21.43	ug/l	99
90) Hexachloroethane	13.88	117	100909	16.68	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	326563	19.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29951	18.56	ug/l	99

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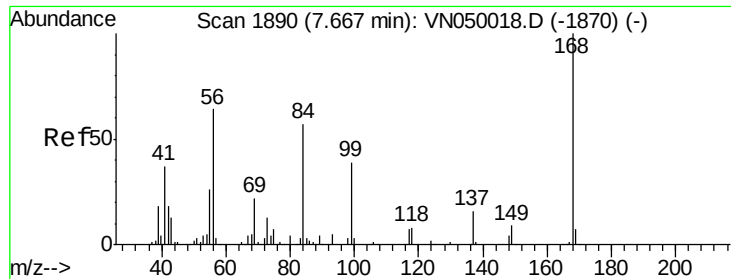
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167947	21.04	ug/l	99
94) Hexachlorobutadiene	15.01	225	106654	21.05	ug/l	99
95) Naphthalene	15.14	128	360188	20.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	166182	20.78	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion:168 Resp: 631716

Ion Ratio Lower Upper

168 100

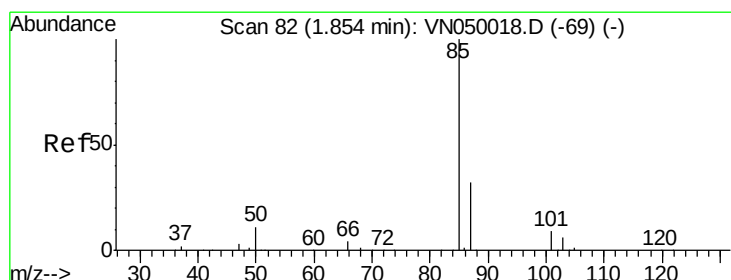
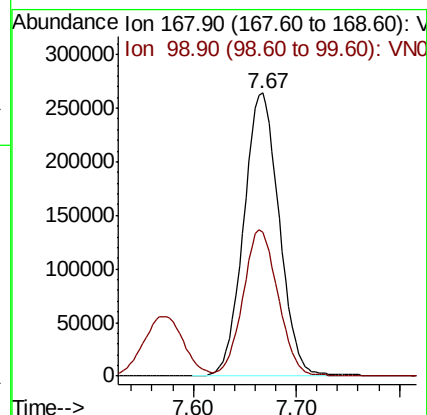
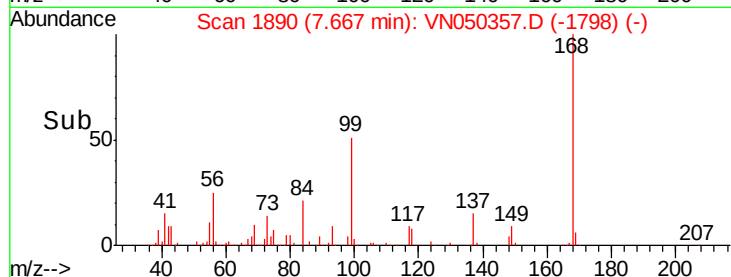
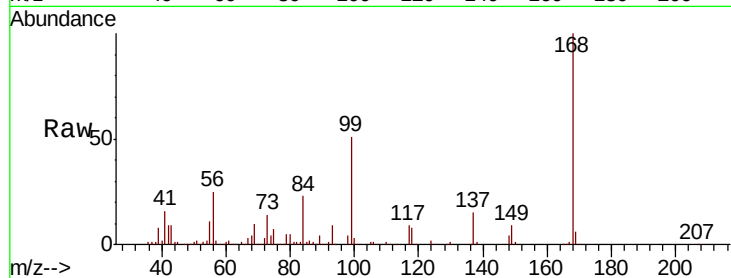
99 50.5 40.0 60.0

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#2

Dichlorodifluoromethane

Concen: 18.18 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050357.D

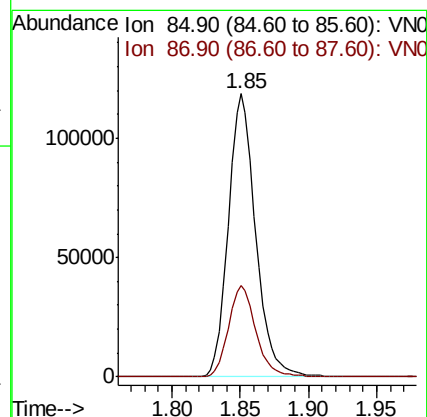
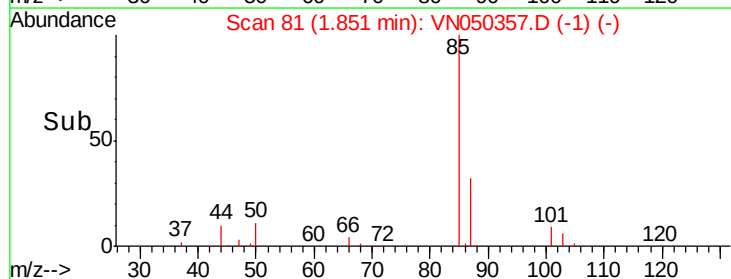
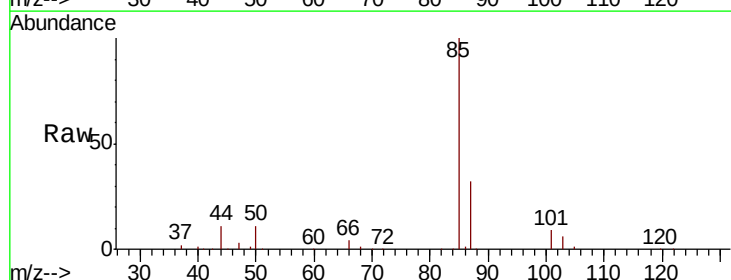
Acq: 4 Aug 2018 11:11

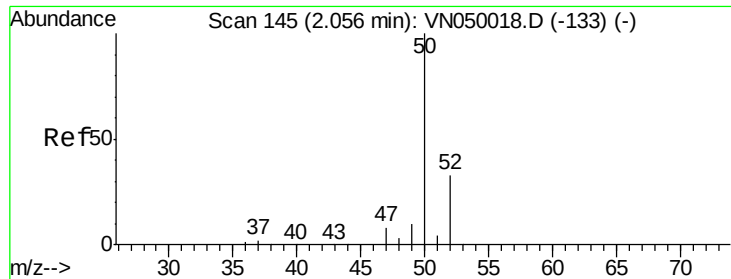
Tgt Ion: 85 Resp: 165049

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3





#3

Chloromethane

Concen: 16.37 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion: 50 Resp: 161481

Ion Ratio Lower Upper

50 100

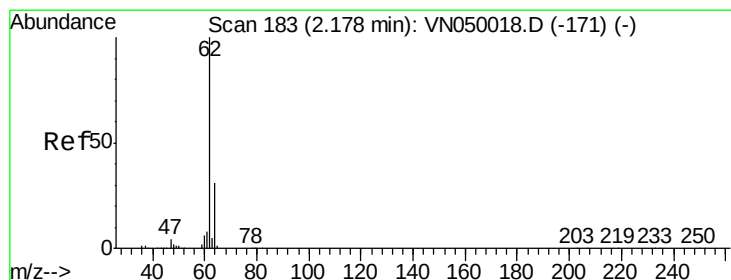
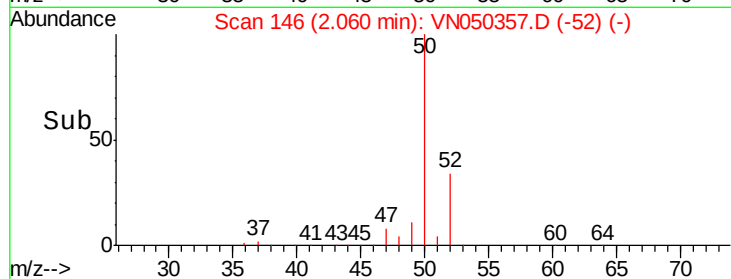
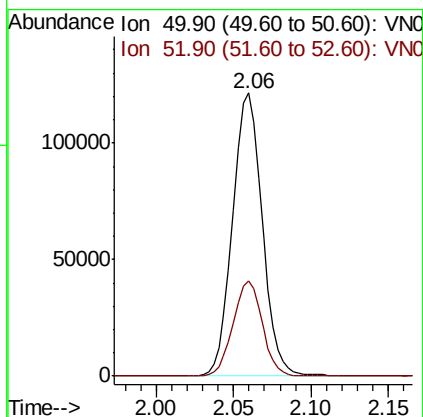
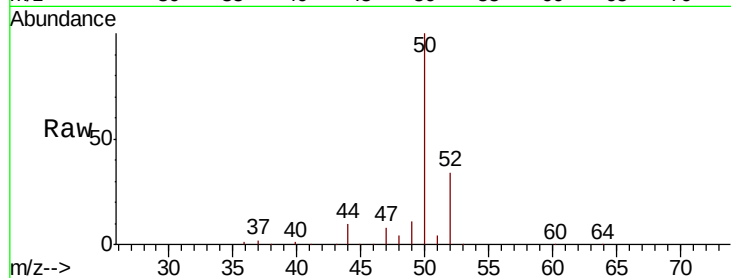
52 33.7 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.86 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050357.D

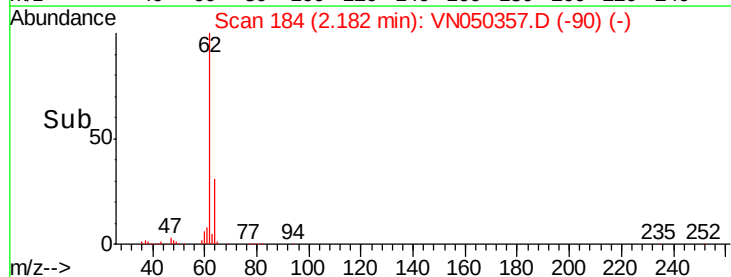
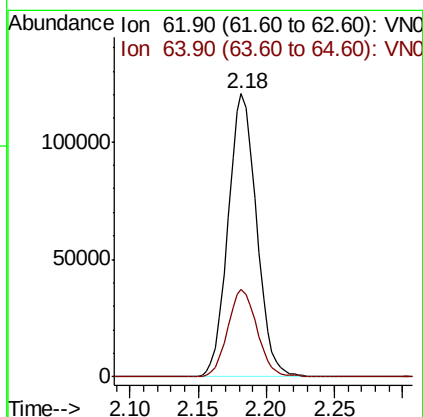
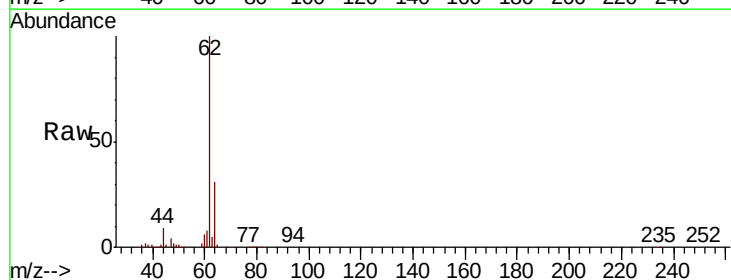
Acq: 4 Aug 2018 11:11

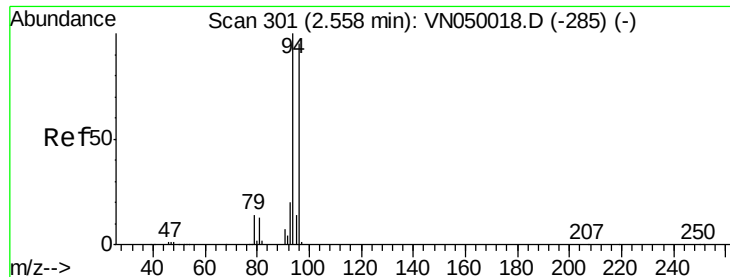
Tgt Ion: 62 Resp: 175153

Ion Ratio Lower Upper

62 100

64 30.8 24.7 37.1





#5

Bromomethane

Concen: 15.30 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion: 94 Resp: 92317

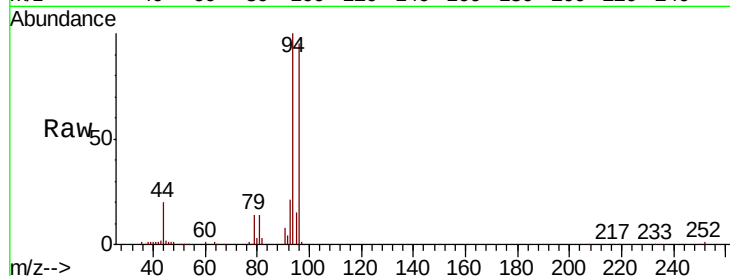
Ion Ratio Lower Upper

94 100

96 94.7 74.6 112.0

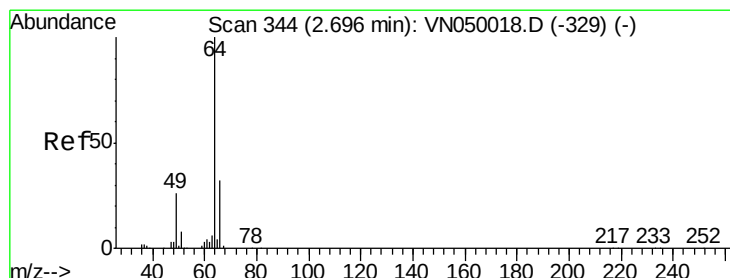
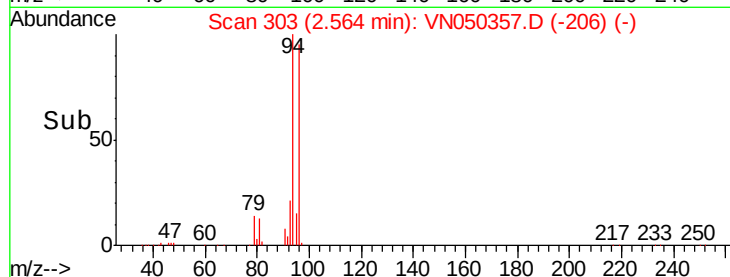
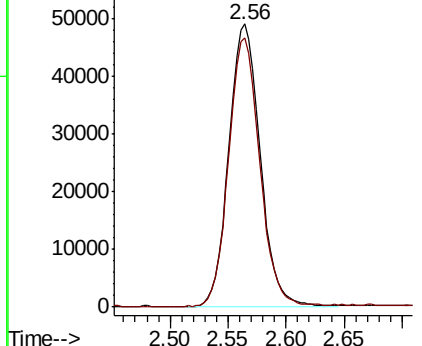
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.87 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050357.D

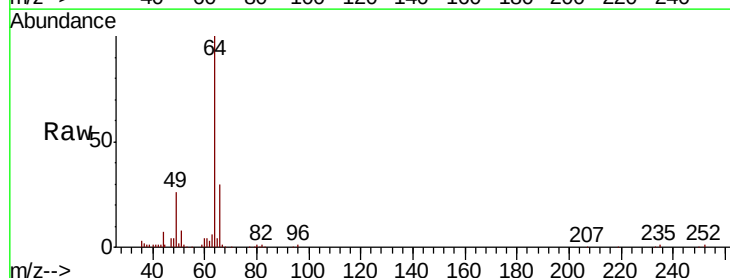
Acq: 4 Aug 2018 11:11

Tgt Ion: 64 Resp: 105285

Ion Ratio Lower Upper

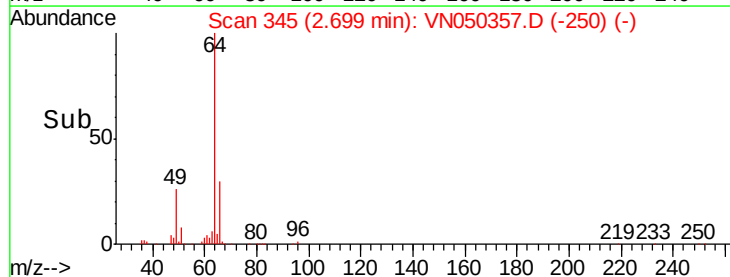
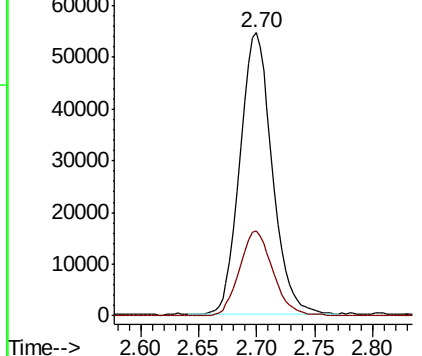
64 100

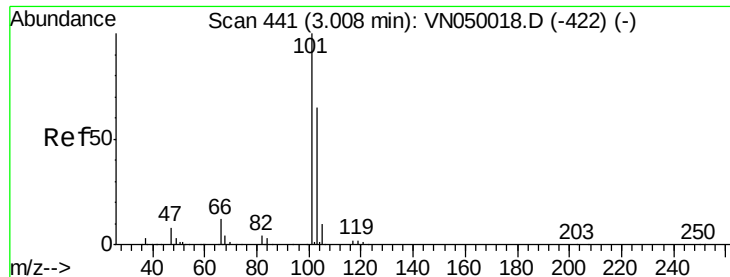
66 30.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 17.88 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

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ClientSampled :

VN0804WBS01

Tot Ion:101 Resp: 240655

Ion Ratio Lower Upper

101 100

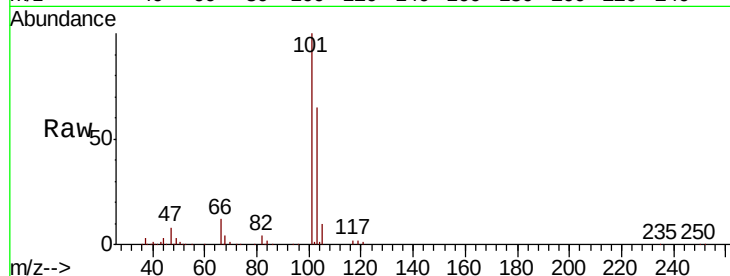
103 65.1 51.7 77.5

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

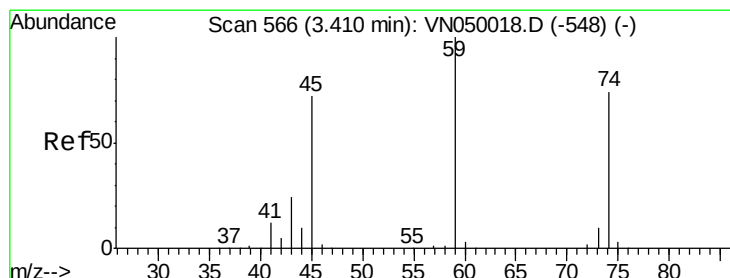
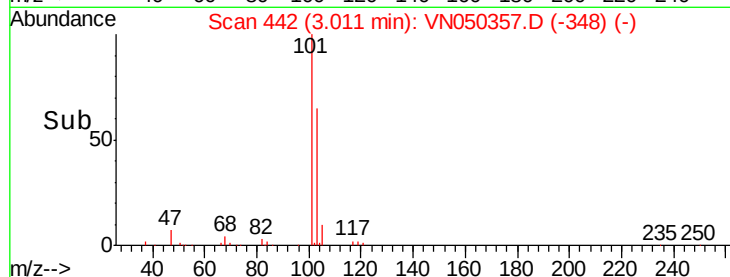
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 19.14 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050357.D

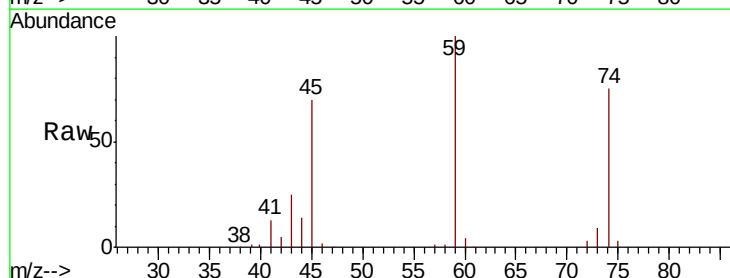
Acq: 4 Aug 2018 11:11

Tgt Ion: 74 Resp: 85903

Ion Ratio Lower Upper

74 100

45 94.7 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

40000

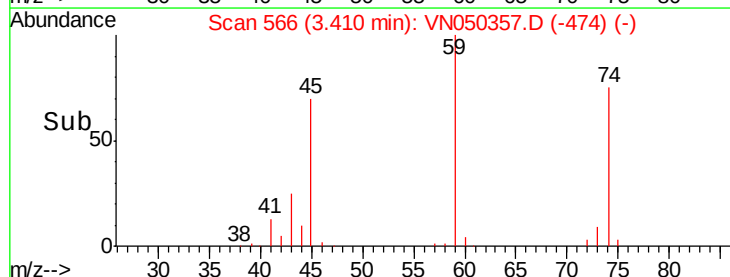
30000

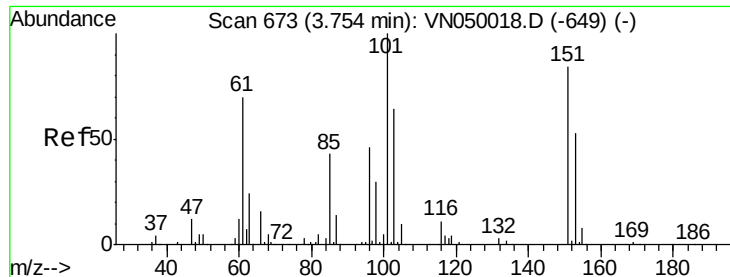
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.08 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050357.D

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Instrument :

MSVOA_N

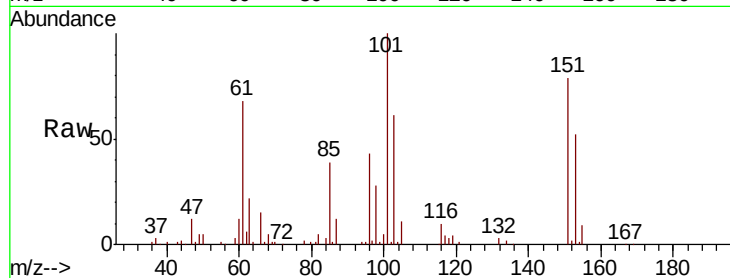
ClientSampled :

VN0804WBS01

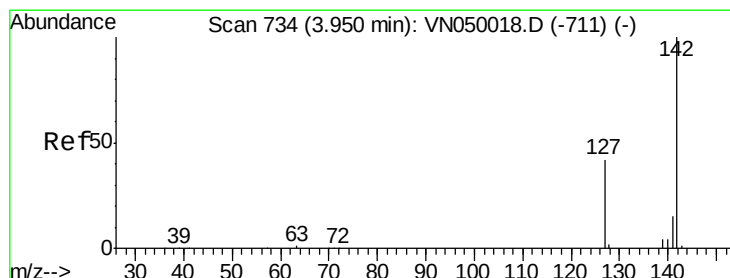
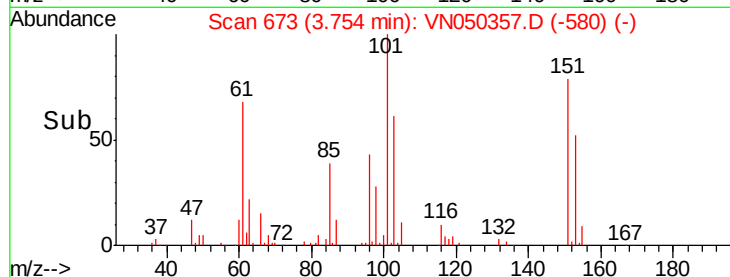
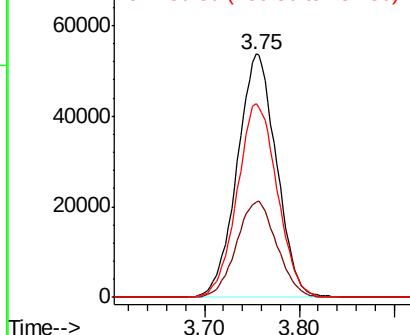
Tot Ion:	101	Resp:	154416
Ion Ratio	Lower	Upper	
101	100		
85	40.6	34.2	51.2
151	81.3	66.3	99.5

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



#10

Methyl Iodide

Concen: 7.06 ug/l

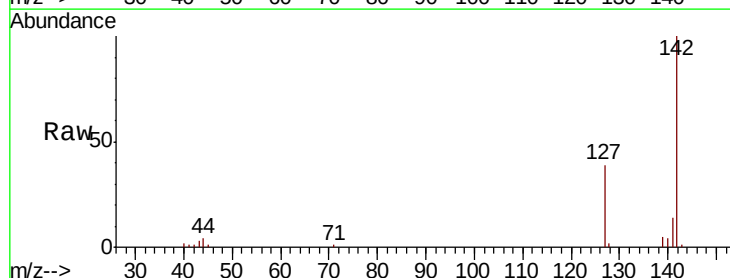
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

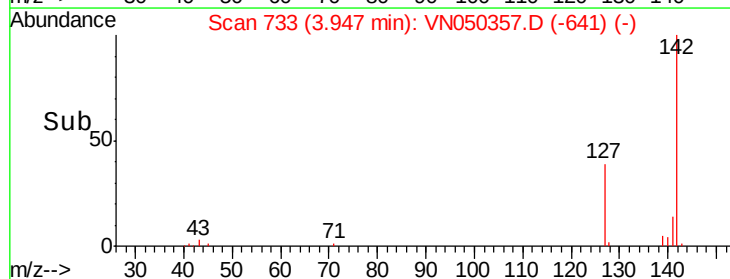
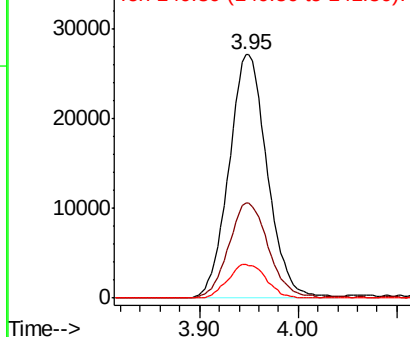
Lab File: VN050357.D

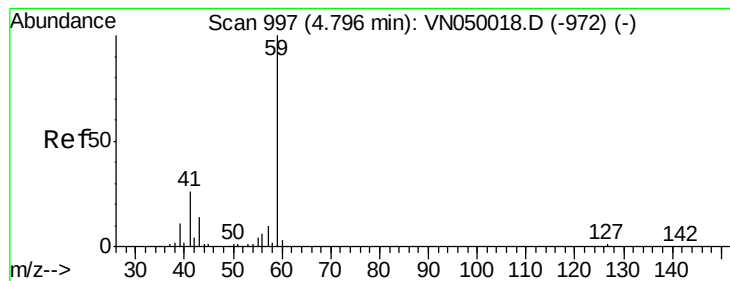
Acq: 4 Aug 2018 11:11

Tgt Ion:	142	Resp:	73327
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.4	50.2
141	13.7	11.6	17.4



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





#11

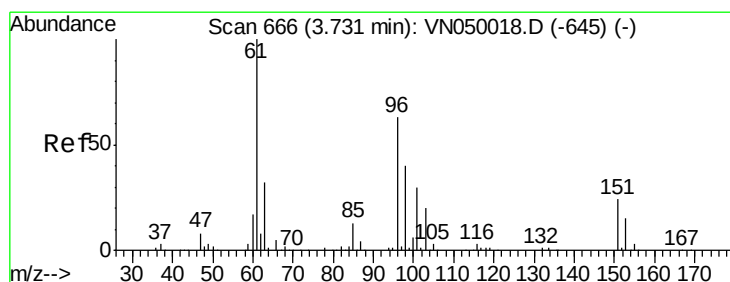
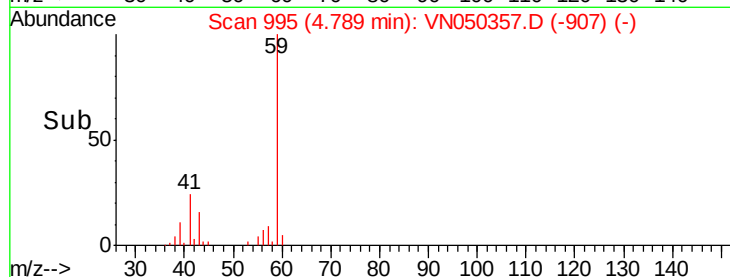
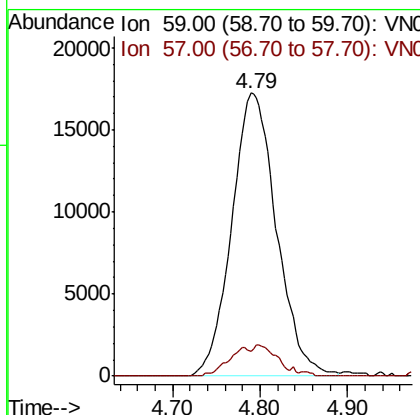
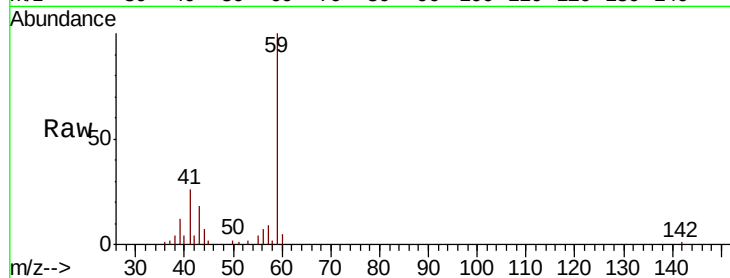
Tert butyl alcohol
 Concen: 94.28 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.5	12.7#

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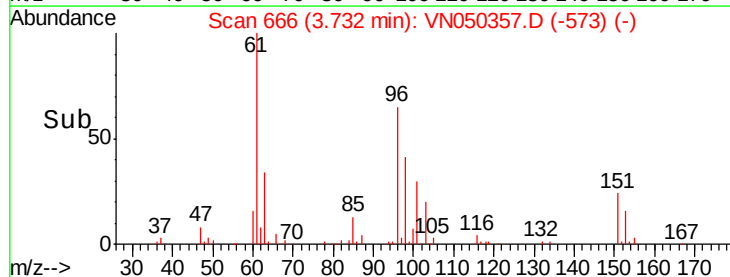
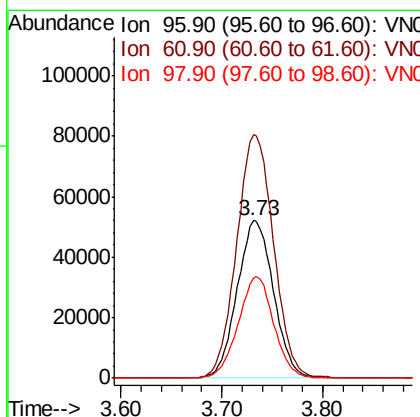
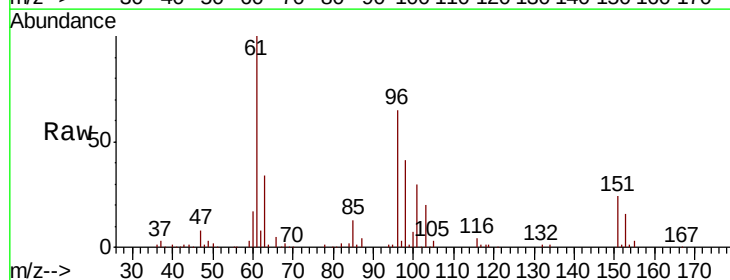
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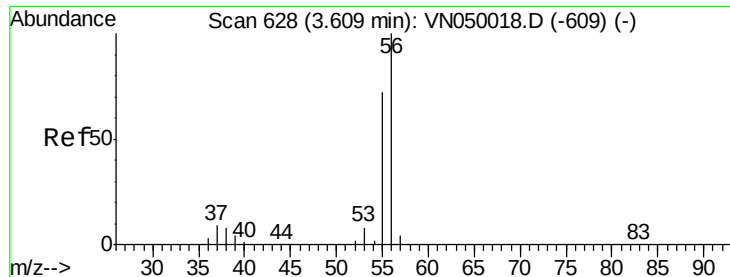


#12

1,1-Dichloroethene
 Concen: 17.93 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	124.4	186.6
98	64.0	48.3	72.5





#13

Acrolein

Concen: 158.76 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion: 56 Resp: 82723

Ion Ratio Lower Upper

56 100

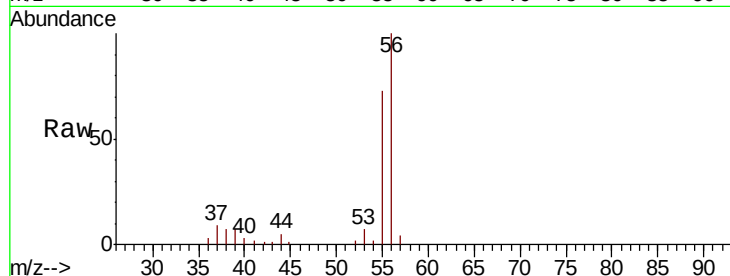
55 71.8 55.8 83.6

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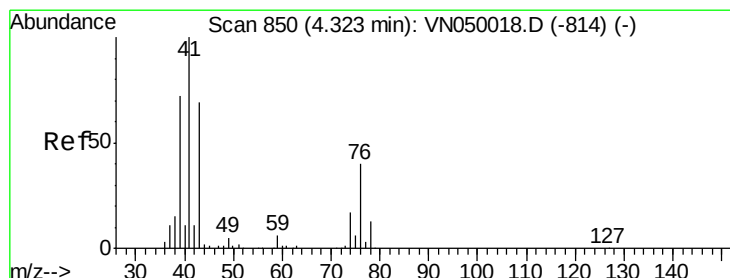
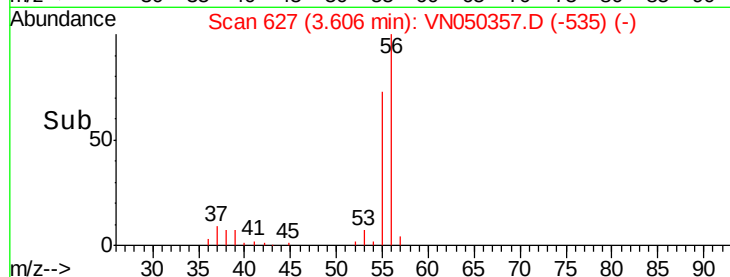
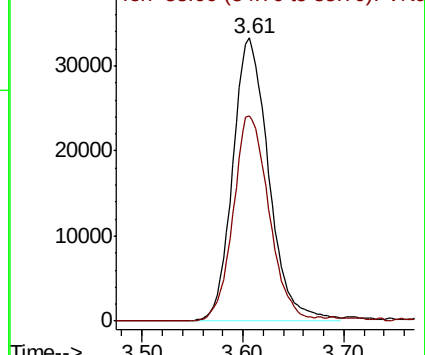
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.37 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

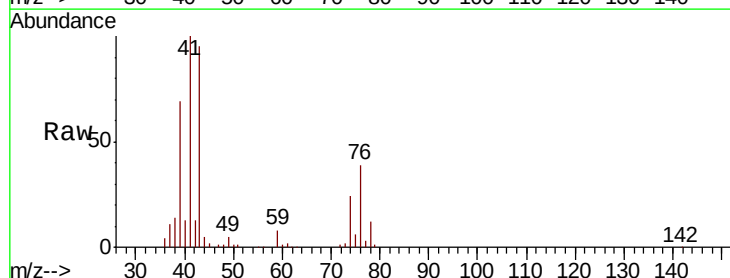
Tgt Ion: 41 Resp: 207412

Ion Ratio Lower Upper

41 100

39 65.9 54.2 81.4

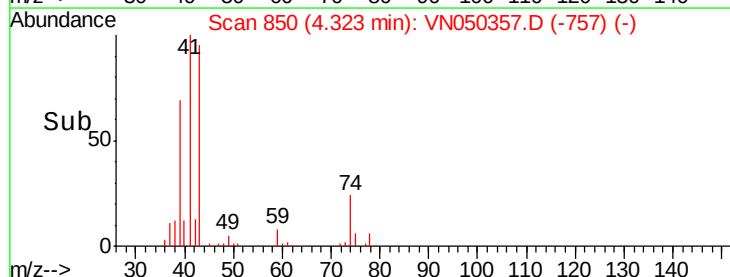
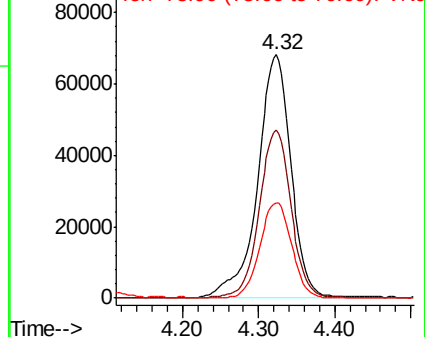
76 36.6 29.0 43.6

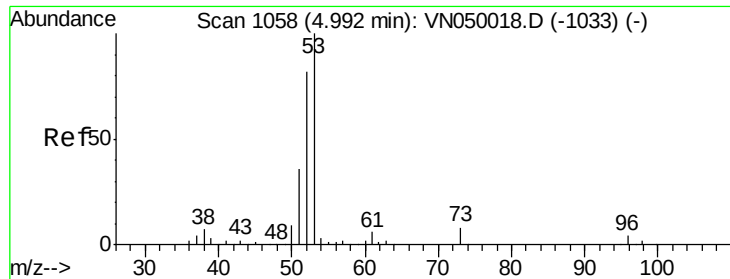


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 94.09 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

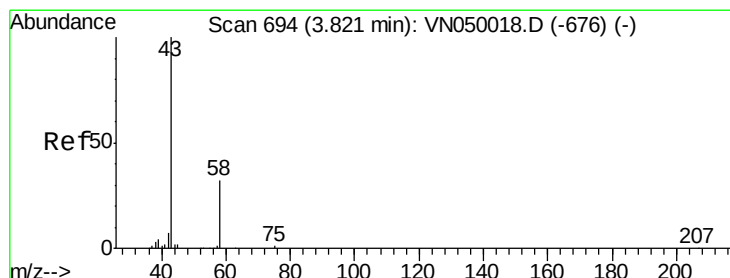
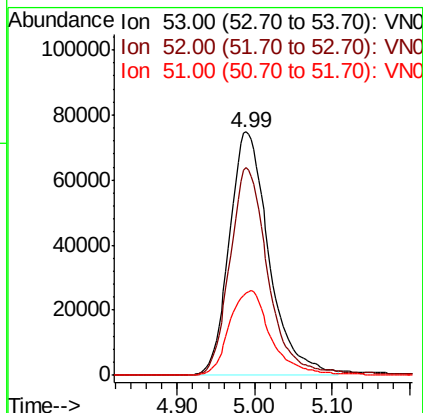
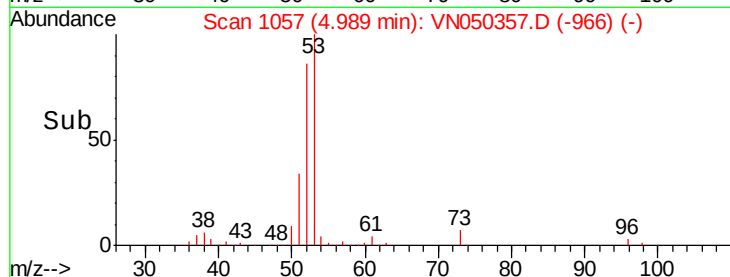
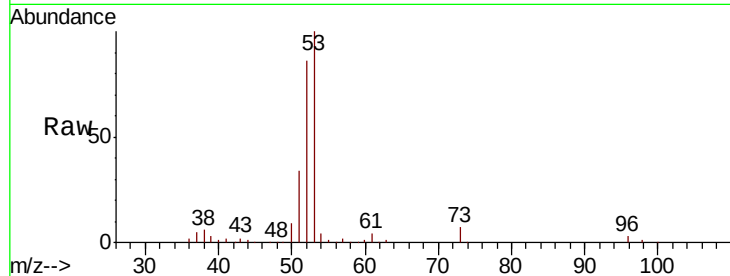
ClientSampled :

VN0804WBS01

Tot Ion:	53	Resp:	266226
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	36.9	29.3	43.9

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#16

Acetone

Concen: 85.71 ug/l

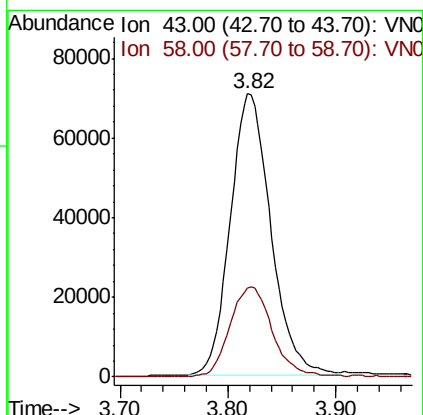
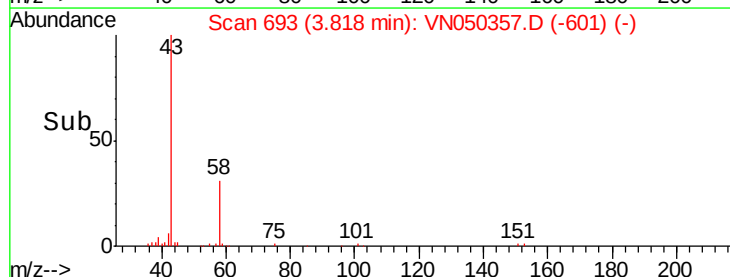
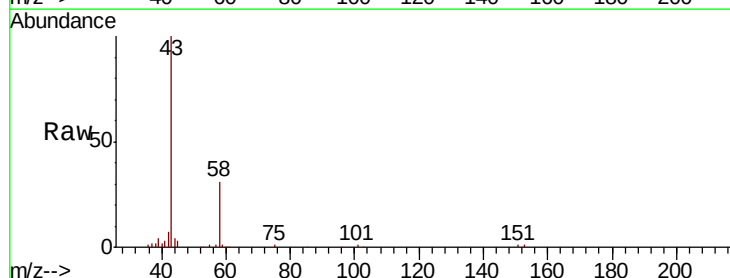
RT: 3.82 min Scan# 693

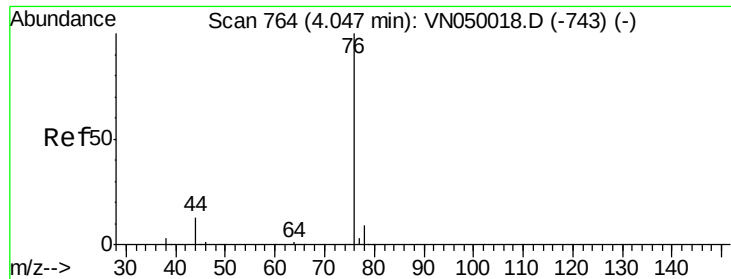
Delta R.T. -0.01 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Tgt Ion:	43	Resp:	183874
Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.8	38.8





#17

Carbon Disulfide

Concen: 14.99 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion: 76 Resp: 334252

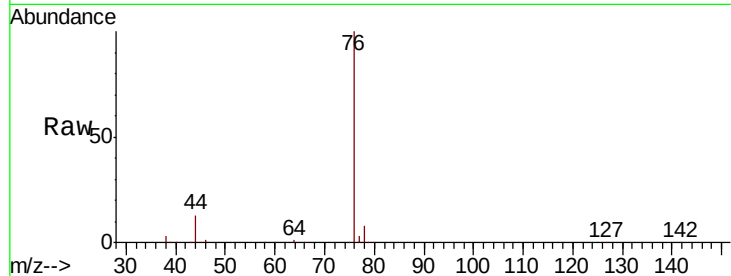
Ion Ratio Lower Upper

76 100

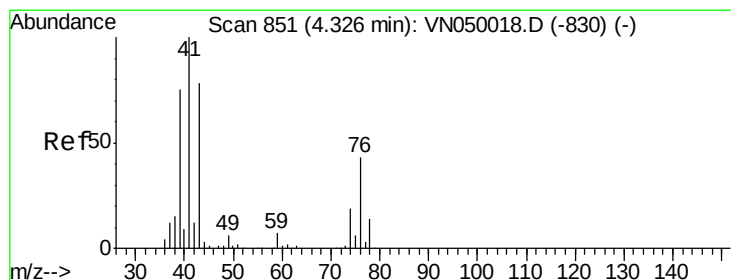
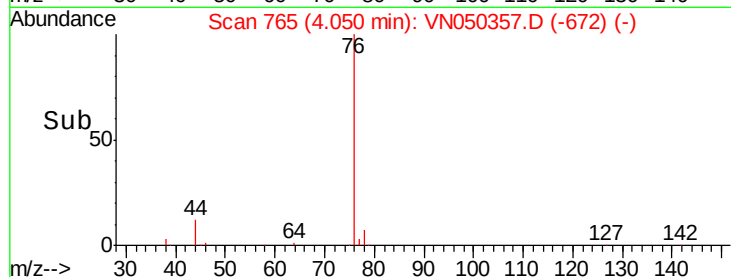
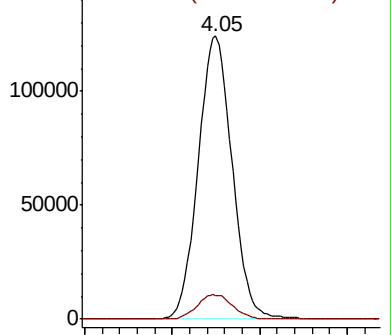
78 8.4 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 23.04 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN050357.D

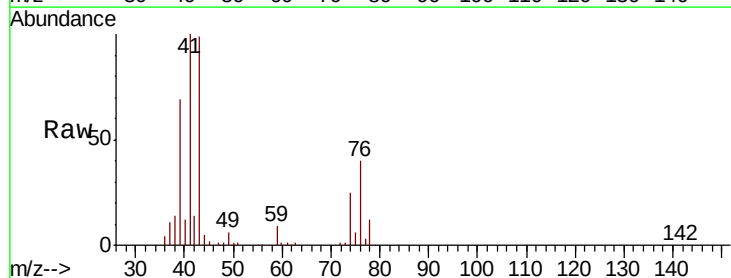
Acq: 4 Aug 2018 11:11

Tgt Ion: 43 Resp: 193118

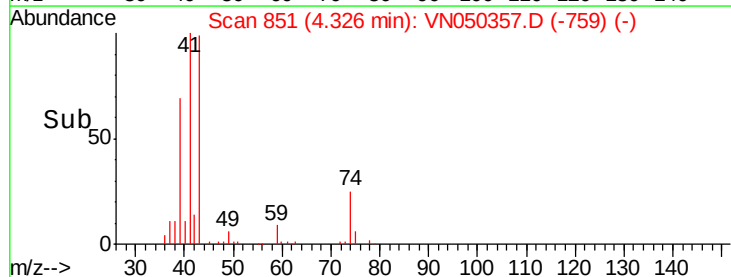
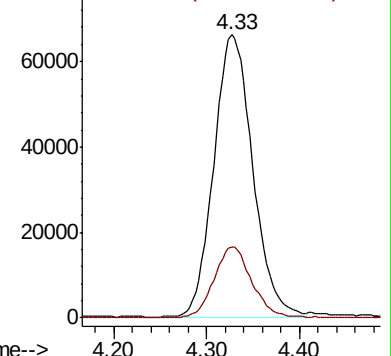
Ion Ratio Lower Upper

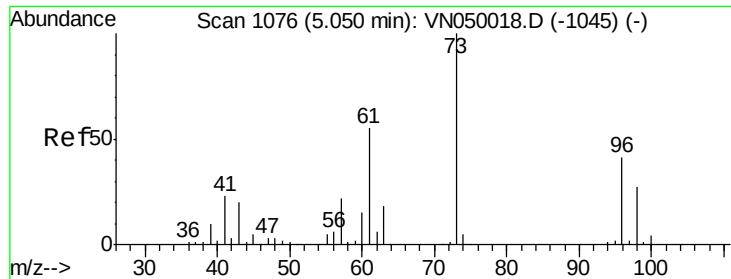
43 100

74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





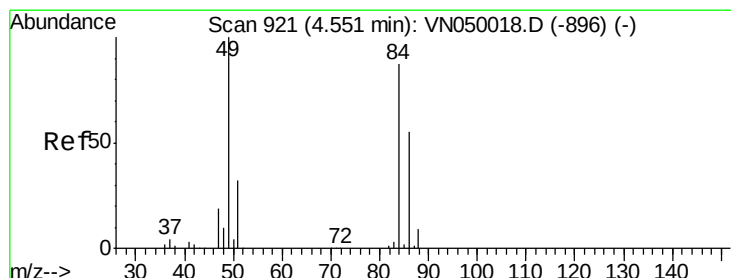
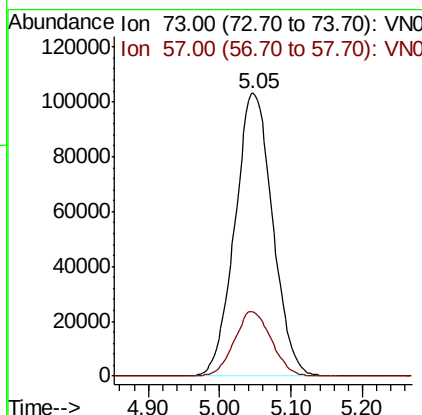
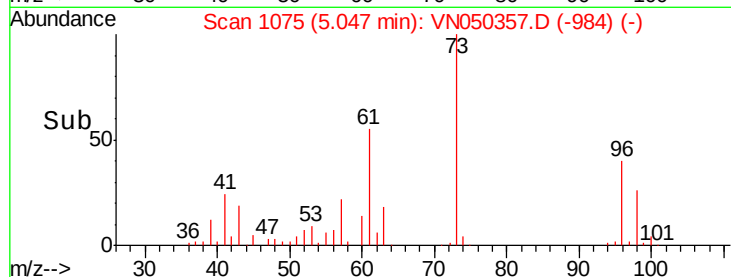
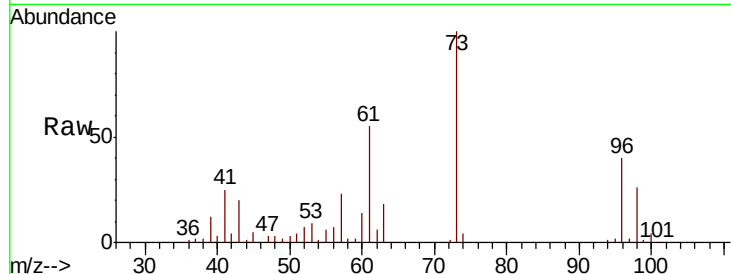
#19
Methyl tert-butyl Ether
Concen: 19.56 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

Tot Ion: 73 Resp: 379605
Ion Ratio Lower Upper
73 100
57 22.8 18.0 27.0

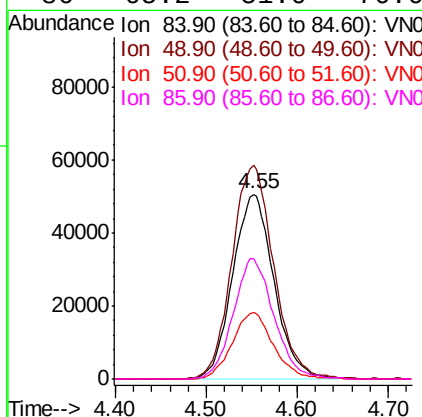
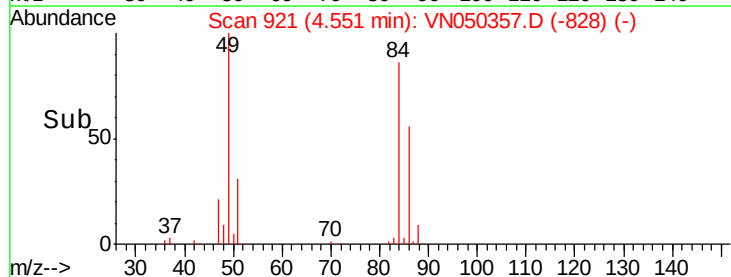
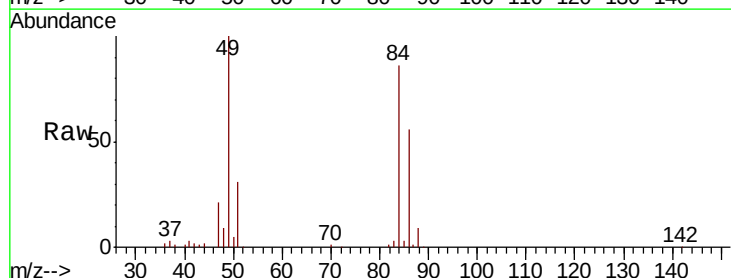
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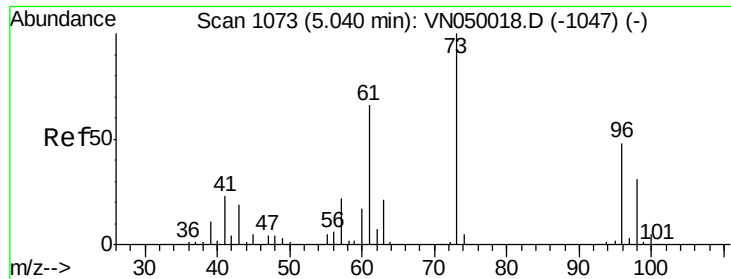
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#20
Methylene Chloride
Concen: 19.64 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion: 84 Resp: 159424
Ion Ratio Lower Upper
84 100
49 115.4 94.8 142.2
51 36.1 28.3 42.5
86 65.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 17.90 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

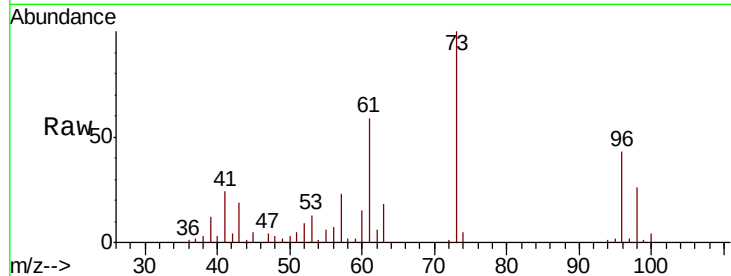
ClientSampleId :

VN0804WBS01

Tot Ion:	96	Resp:	138119
Ion	Ratio	Lower	Upper
96	100		
61	135.8	110.7	166.1
98	60.8	51.6	77.4

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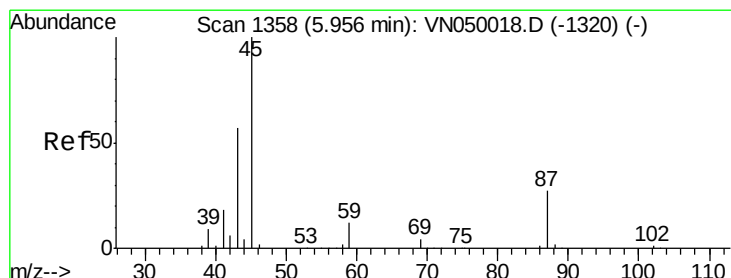
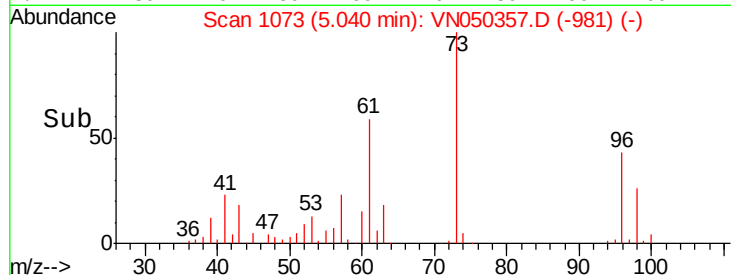
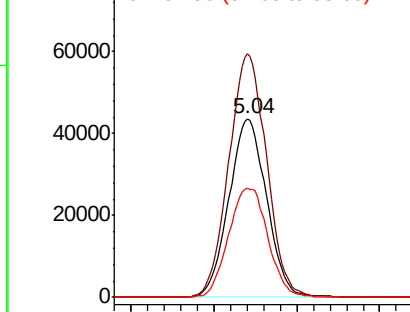


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 20.58 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Tgt Ion:	45	Resp:	460591
Ion	Ratio	Lower	Upper
45	100		
43	59.1	45.7	68.5
87	28.8	22.7	34.1
59	12.4	9.5	14.3

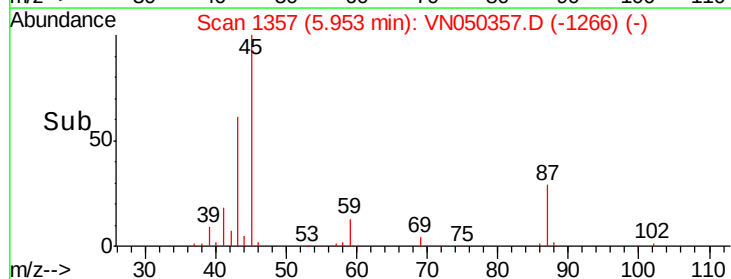
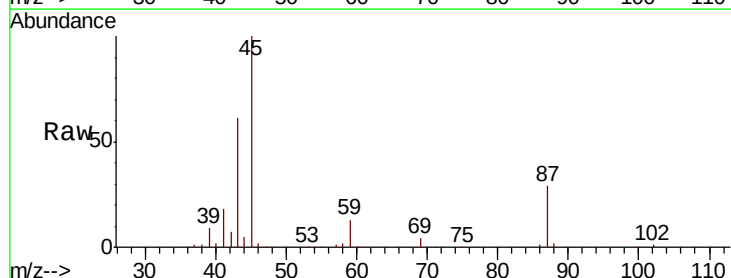
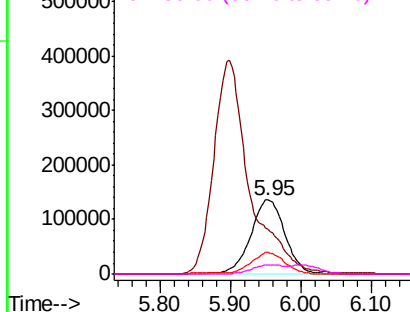
Abundance

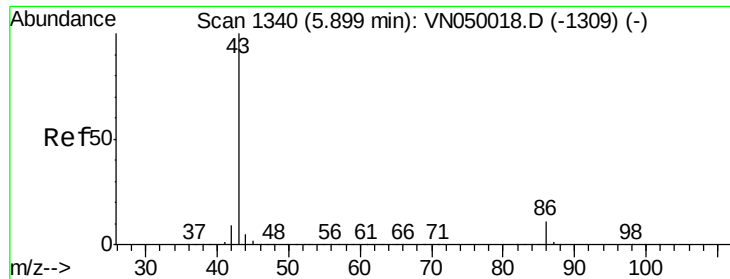
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 87.63 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBS01

Tot Ion: 43 Resp: 1386308

Ion Ratio Lower Upper

43 100

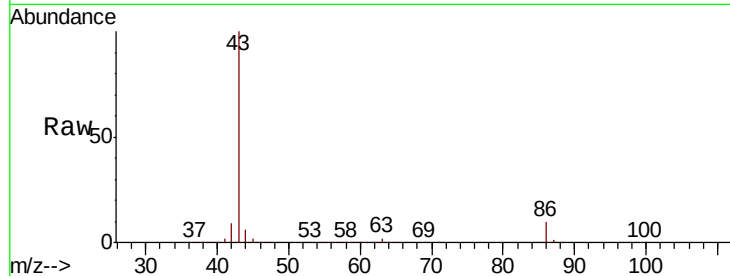
86 10.5 8.6 13.0

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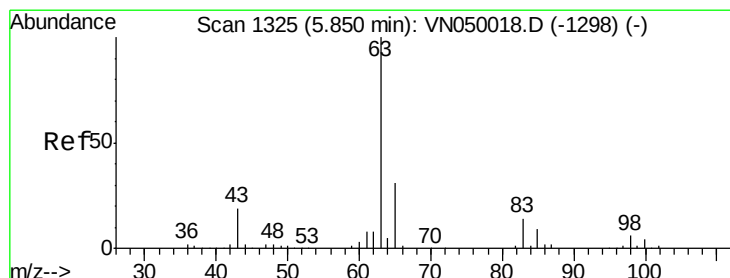
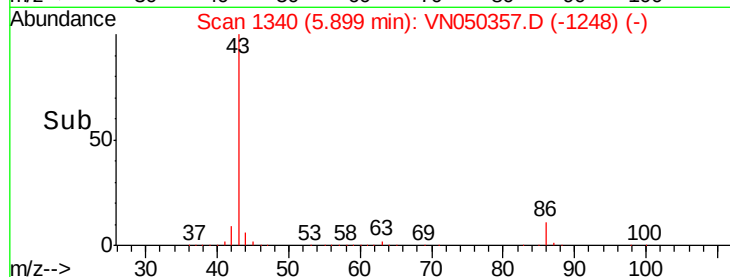
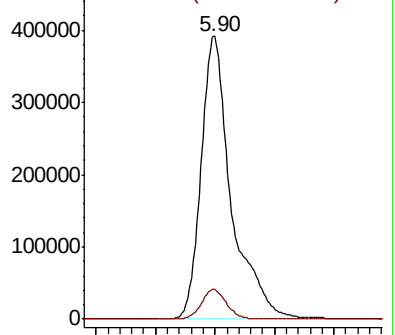
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.95 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

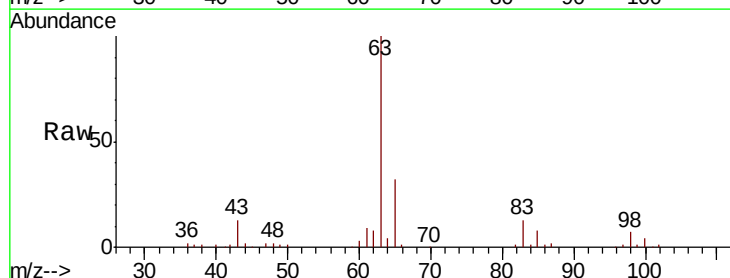
Tgt Ion: 63 Resp: 277452

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

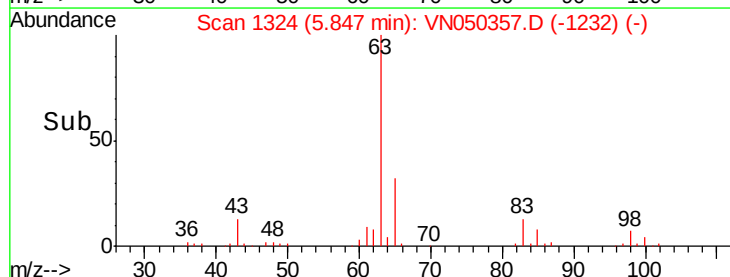
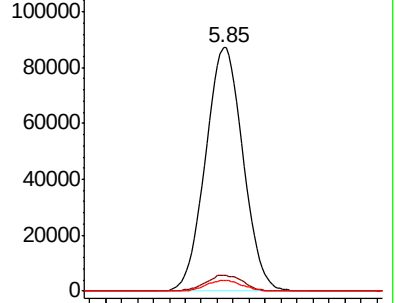
100 4.2 2.1 6.3

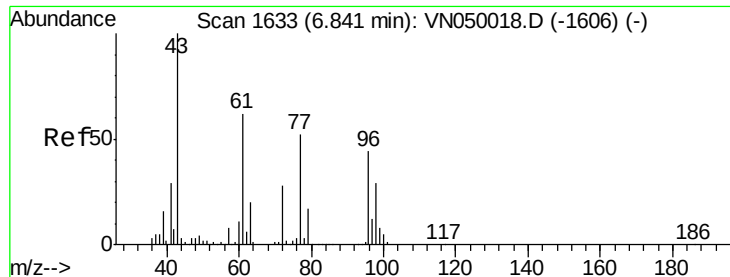


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 90.11 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.01 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion: 43 Resp: 302949

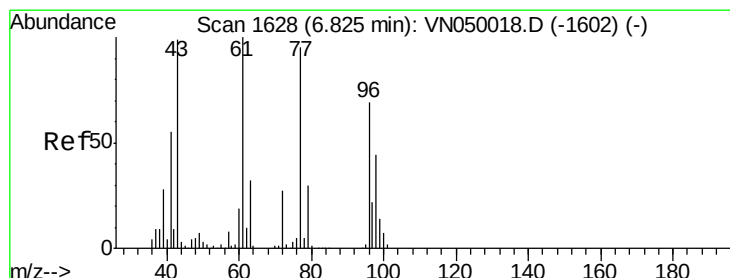
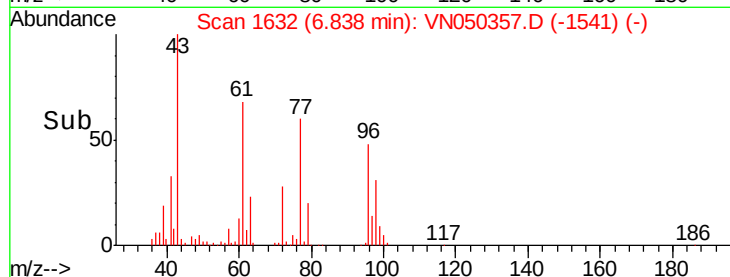
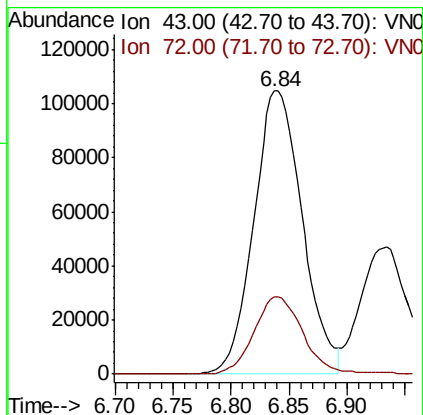
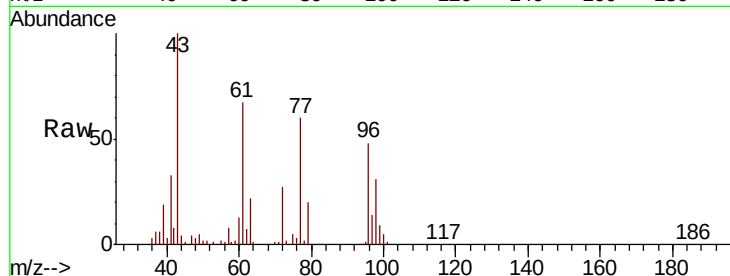
Ion Ratio Lower Upper

43 100

72 27.6 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 20.85 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050357.D

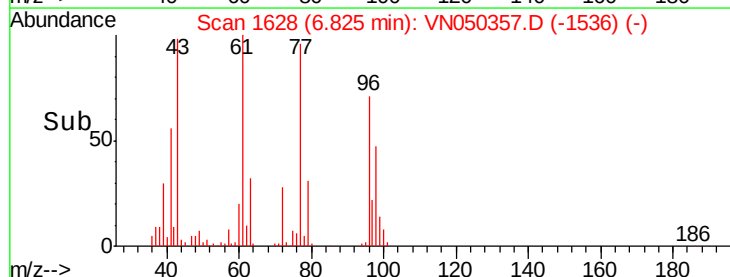
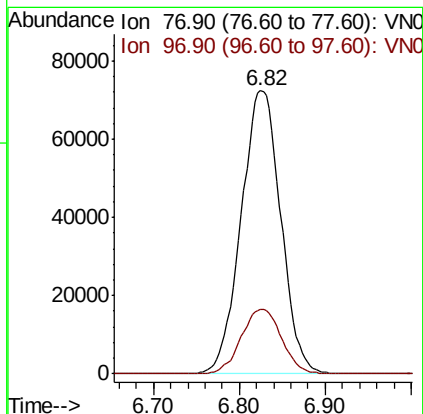
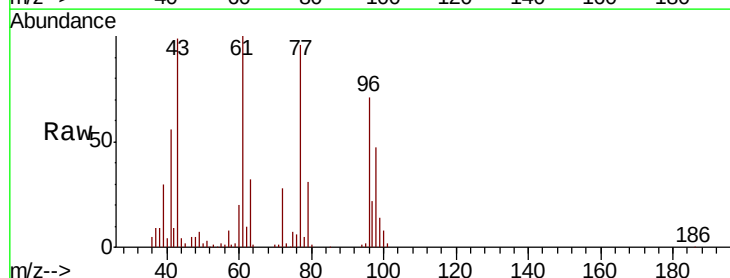
Acq: 4 Aug 2018 11:11

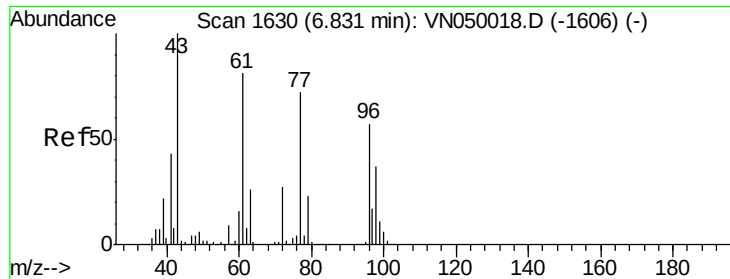
Tgt Ion: 77 Resp: 232138

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3





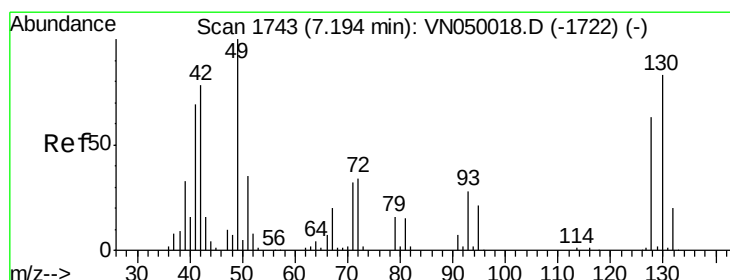
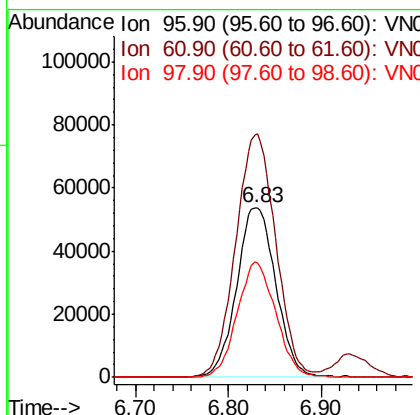
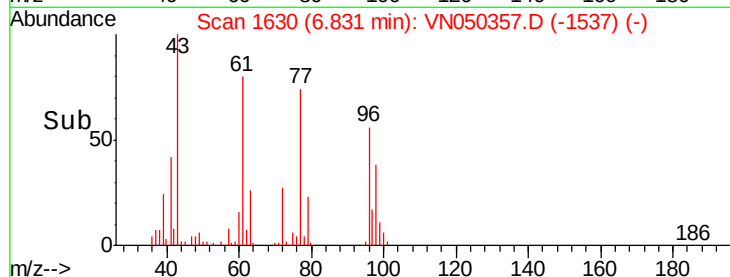
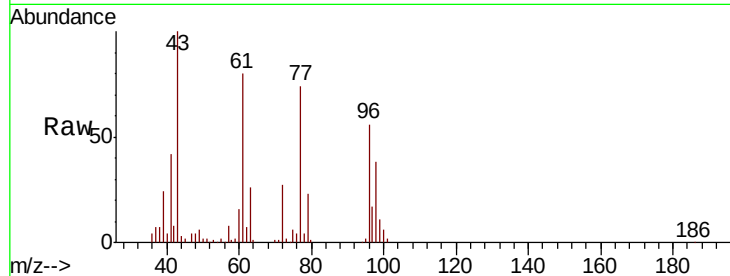
#27
 cis-1,2-Dichloroethene
 Concen: 19.02 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	157952		
61	146.8	0.0	285.0	
98	66.7	0.0	129.2	

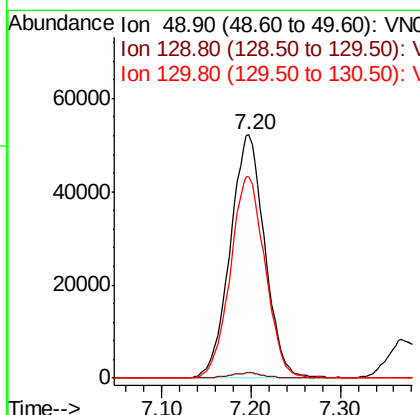
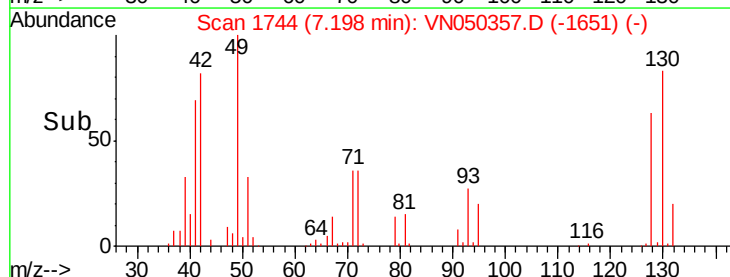
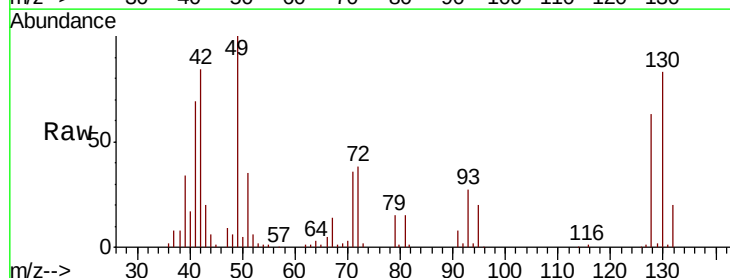
Manual Integrations
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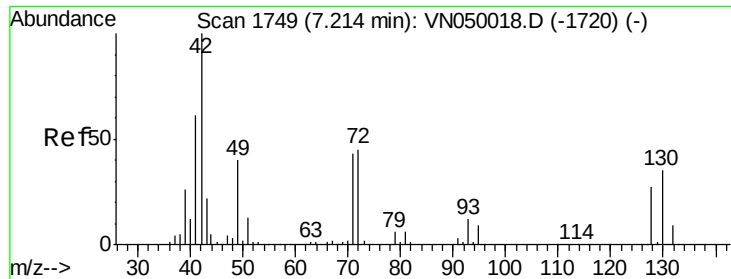
MMDadoda
 8/6/2018 11:39:53 AM



#28
 Bromochloromethane
 Concen: 20.93 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	139738		
129	2.0	0.0	4.0	
130	83.5	66.3	99.5	





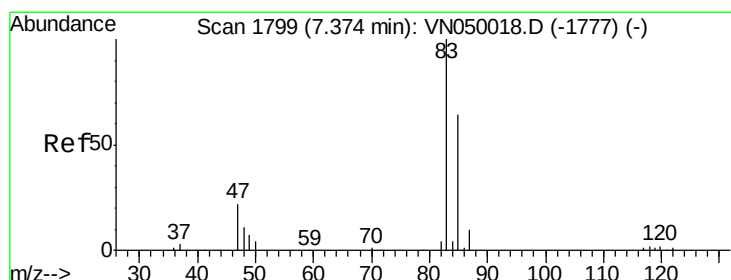
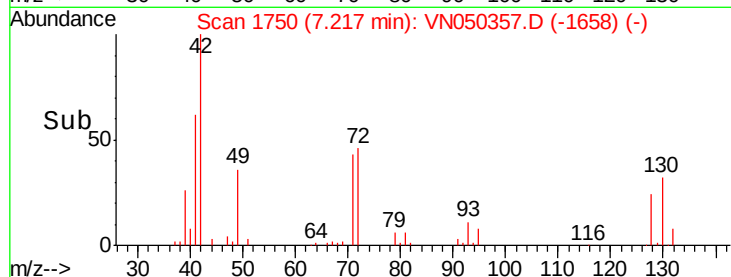
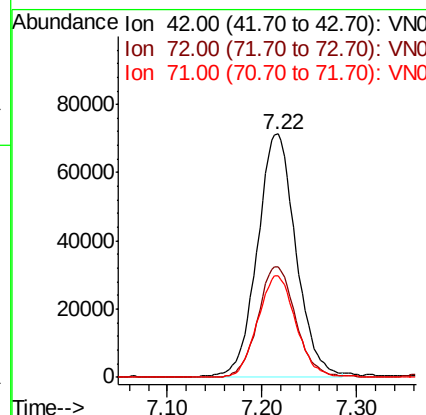
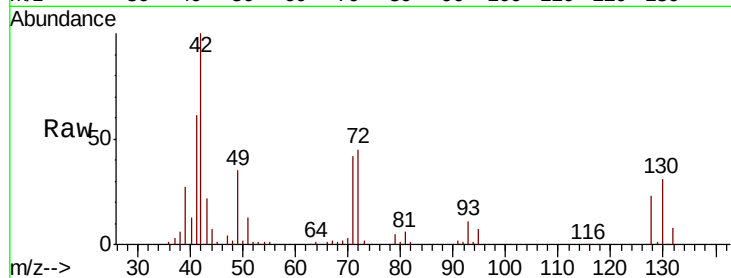
#29
Tetrahydrofuran
Concen: 92.30 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	41.5	33.7	50.5

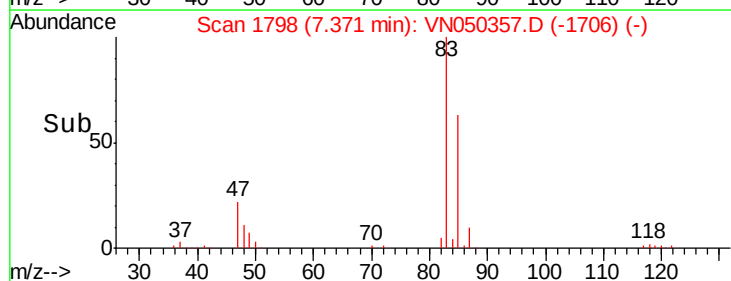
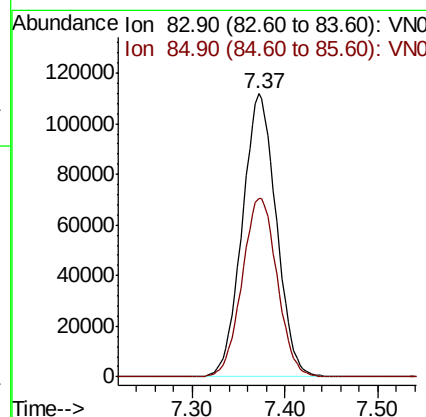
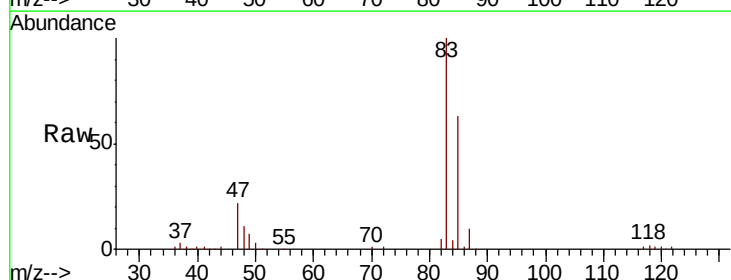
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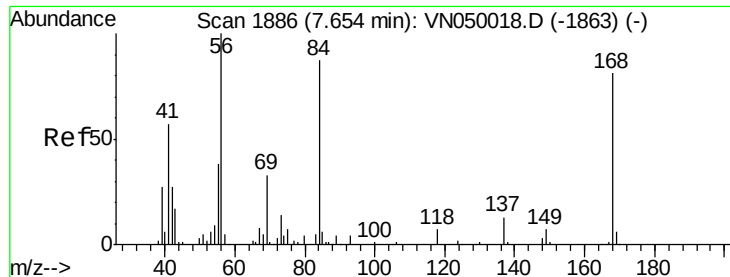
MMDadoda
8/6/2018 11:39:53 AM



#30
Chloroform
Concen: 19.07 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.5	78.7





#31

Cyclohexane

Concen: 17.74 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

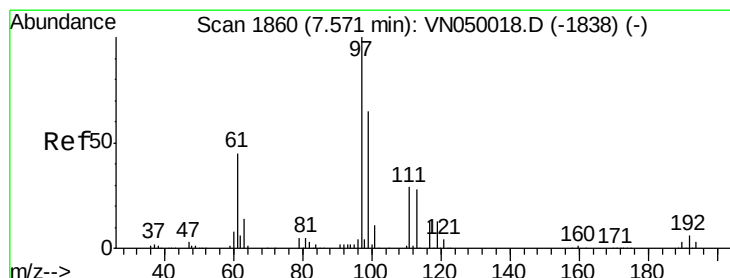
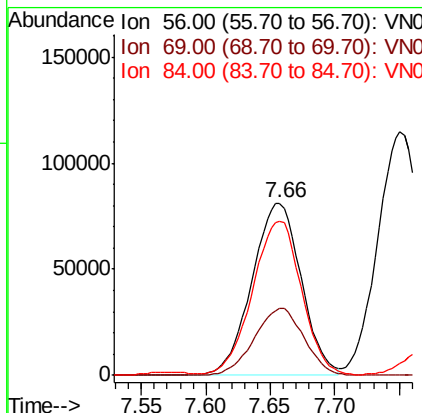
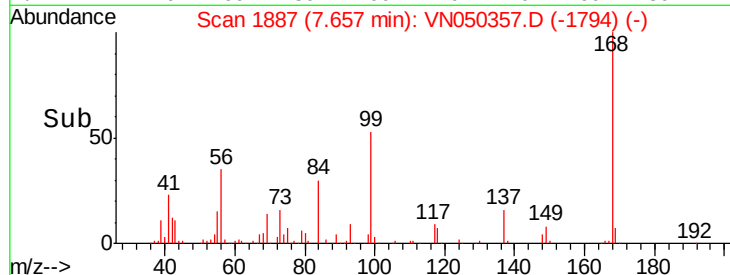
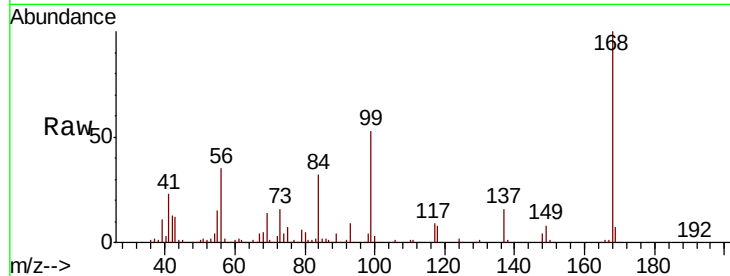
ClientSampled :

VN0804WBS01

Tot Ion:	56	Resp:	215927
Ion	Ratio	Lower	Upper
56	100		
69	39.2	26.2	39.4
84	88.4	67.4	101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.55 ug/l

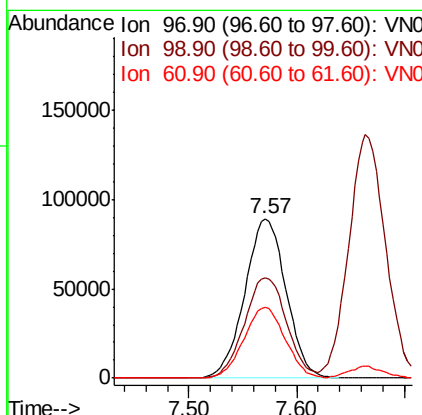
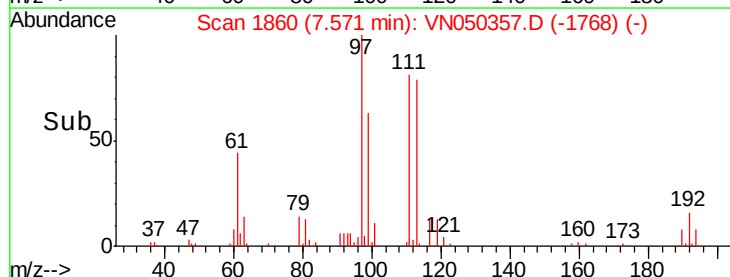
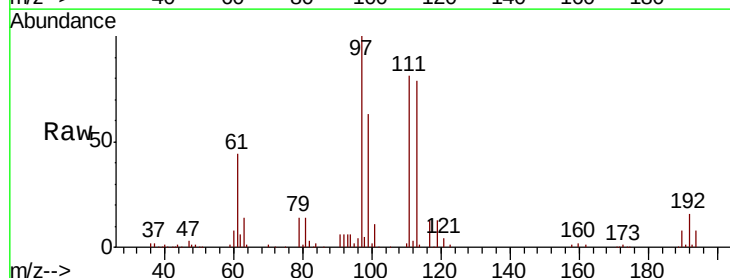
RT: 7.57 min Scan# 1860

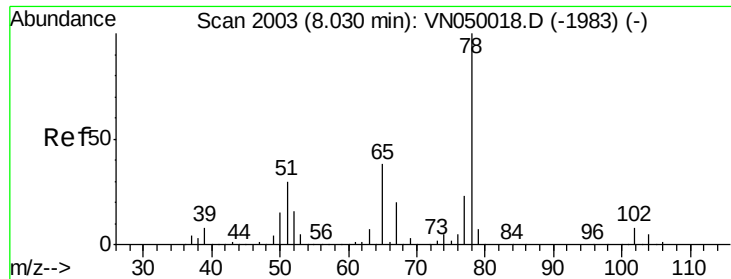
Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Tgt Ion:	97	Resp:	237064
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	44.5	35.4	53.0





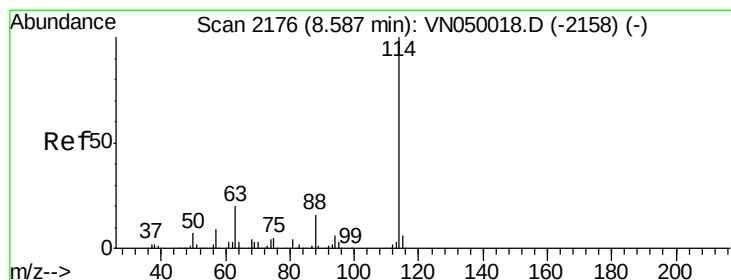
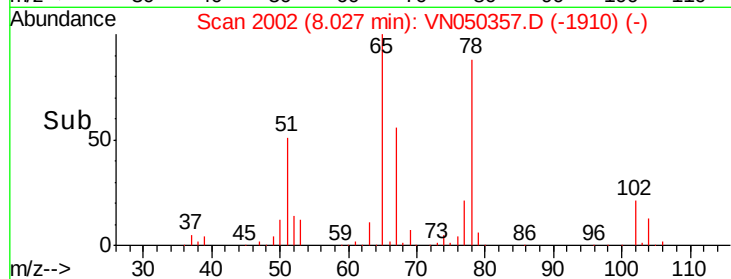
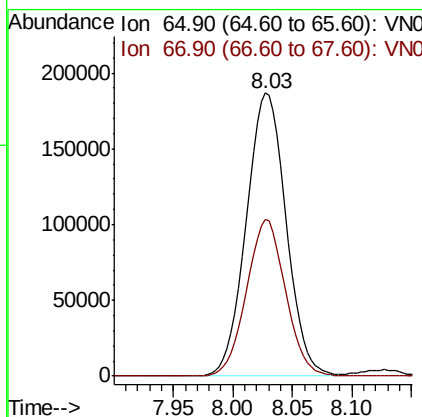
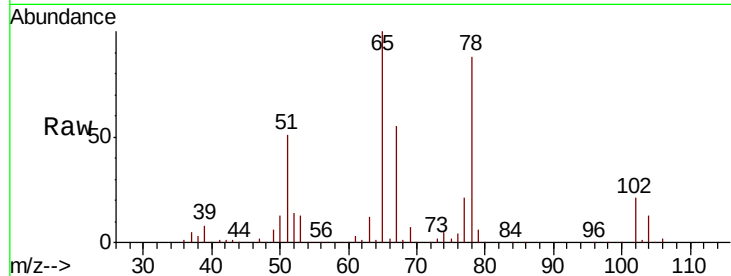
#33
 1,2-Dichloroethane-d4
 Concen: 49.15 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	108.4	

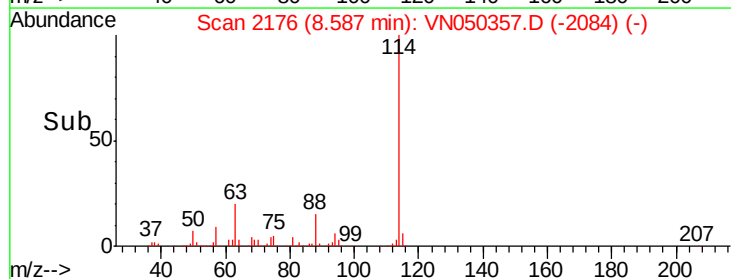
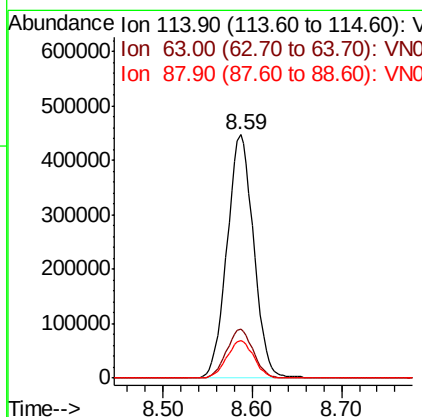
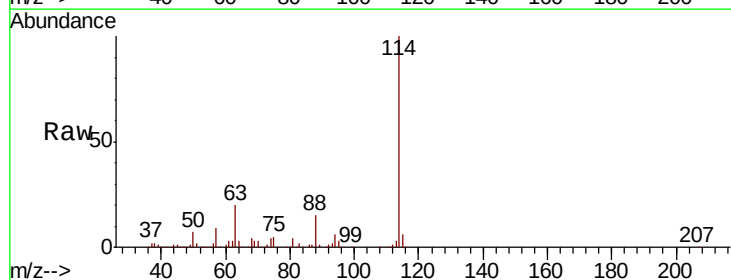
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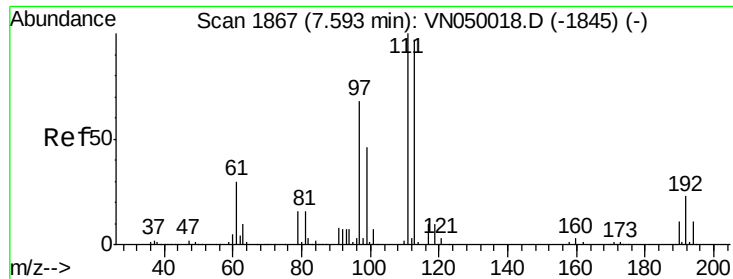
MMDadoda
 8/6/2018 11:39:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	40.0	
88	15.4	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.51 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

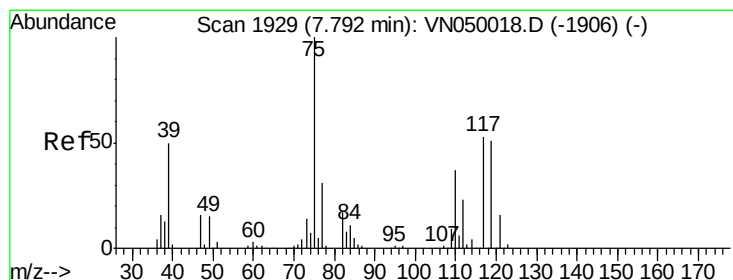
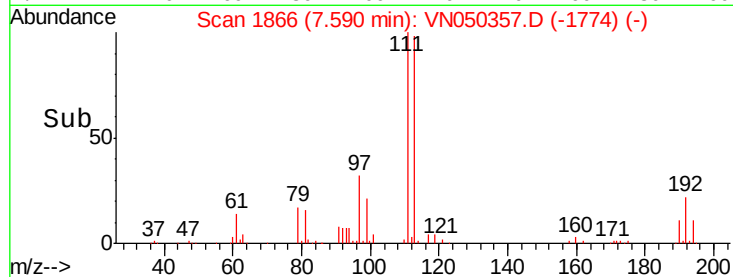
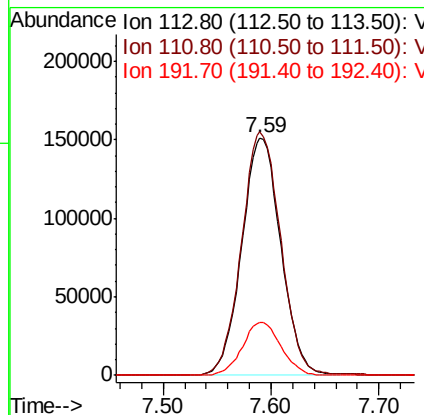
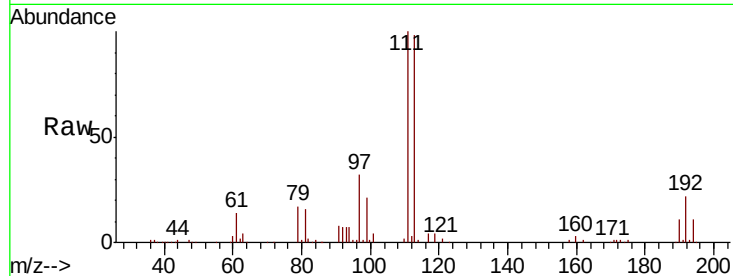
ClientSampled :

VN0804WBS01

Tot Ion:	113	Resp:	381060
Ion Ratio	Lower	Upper	
113	100		
111	103.0	80.7	121.1
192	22.0	17.8	26.6

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#36

1,1-Dichloropropene

Concen: 19.03 ug/l

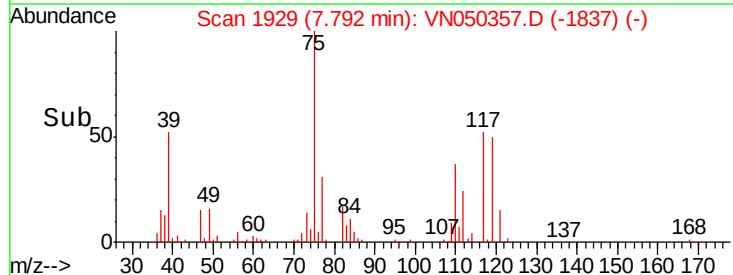
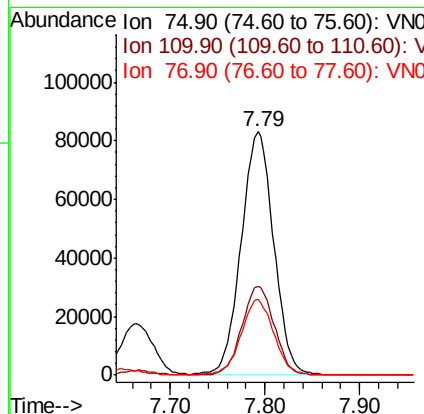
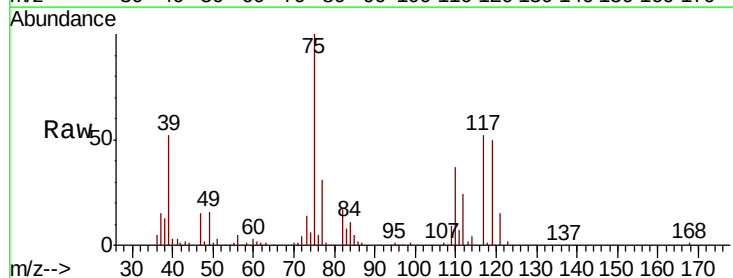
RT: 7.79 min Scan# 1929

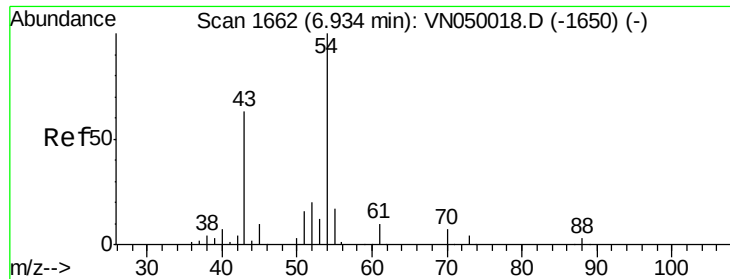
Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Tgt Ion:	75	Resp:	198065
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.4	55.2
77	31.4	25.3	37.9





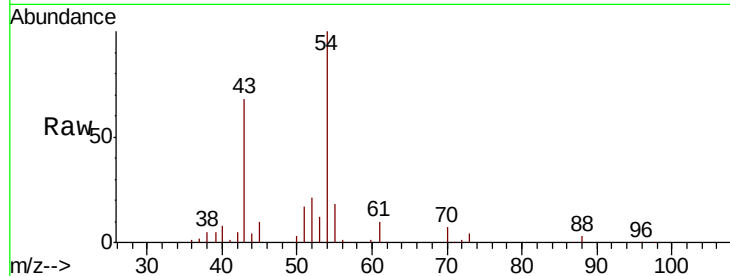
#37
Ethyl Acetate
Concen: 18.14 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

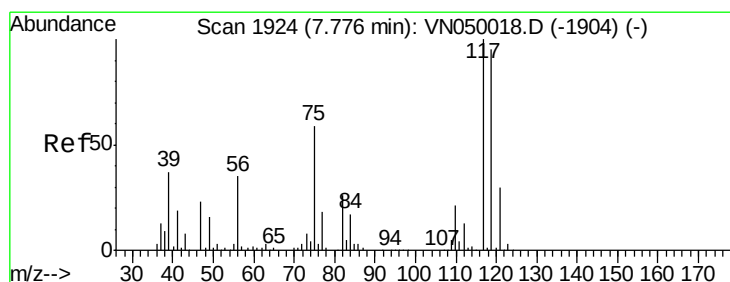
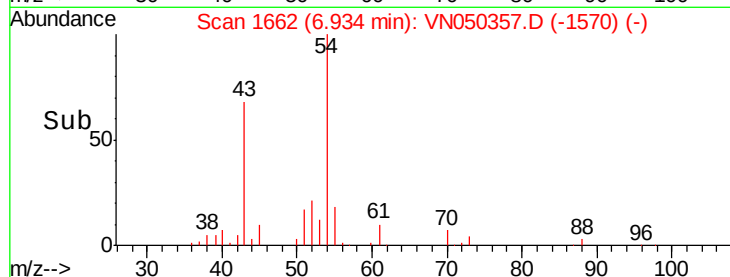
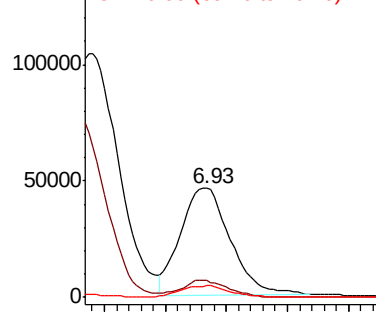
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.8	17.8
70	11.0	8.4	12.6

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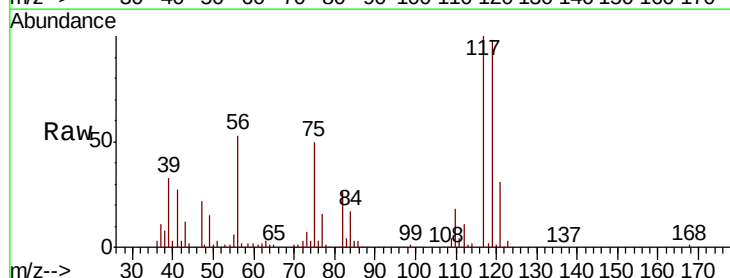


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

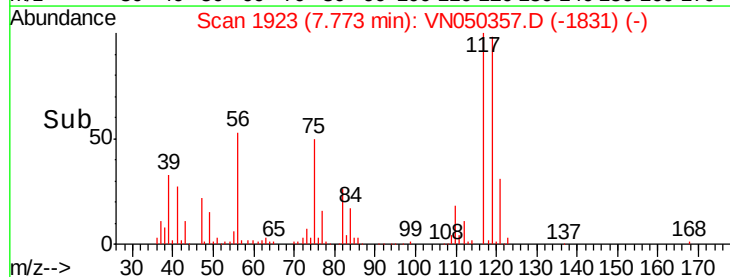
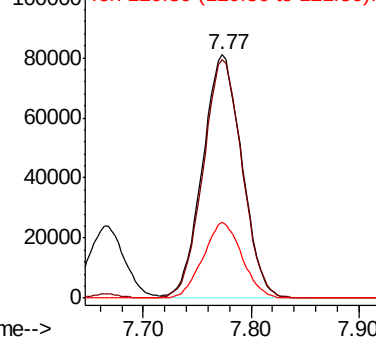


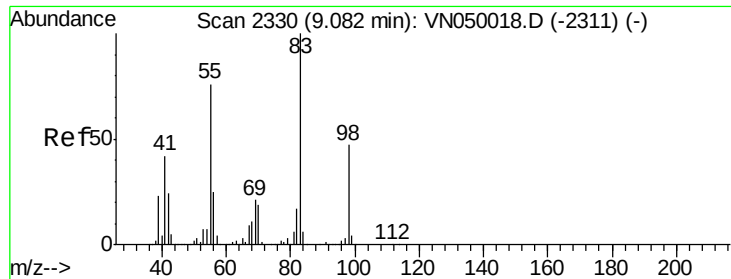
#38
Carbon Tetrachloride
Concen: 18.64 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.4	116.0
121	31.0	23.9	35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





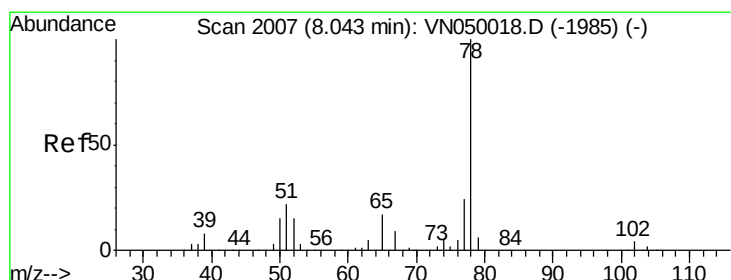
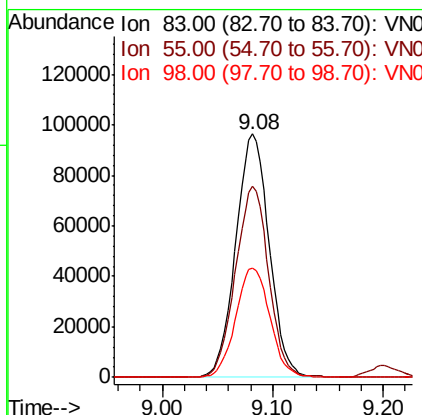
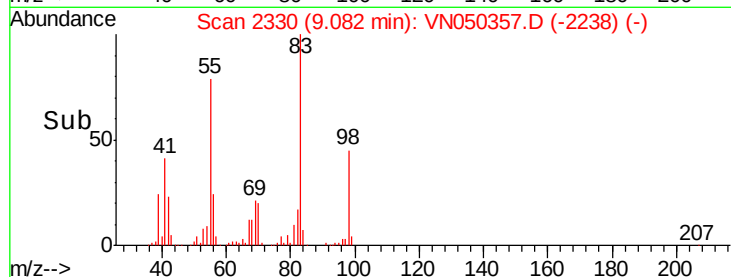
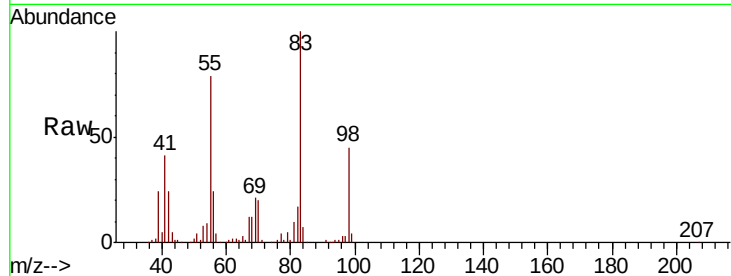
#39
Methylvlcyclohexane
Concen: 18.91 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.7	61.8	92.8	
98	44.7	36.5	54.7	

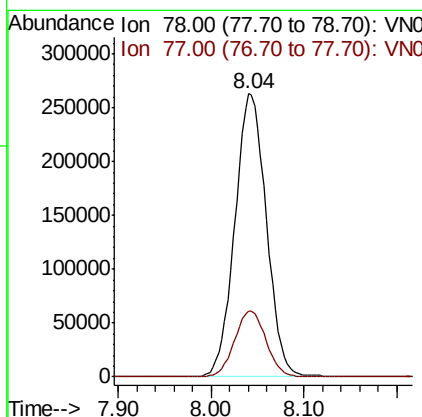
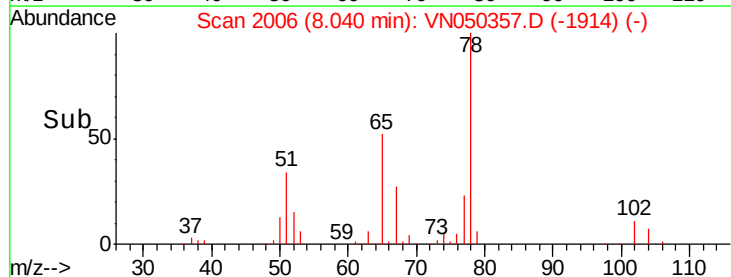
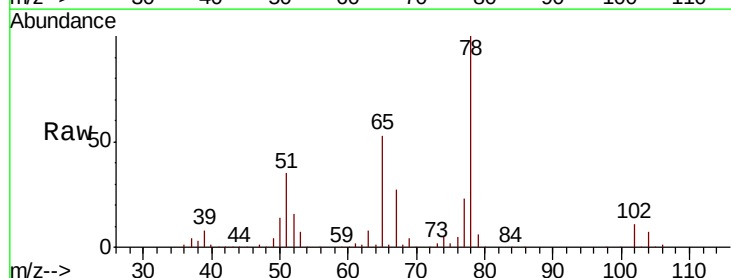
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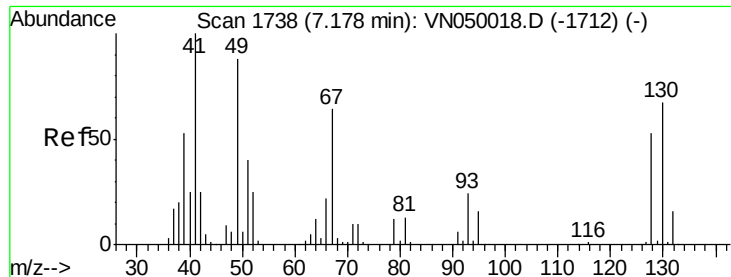
MMDadoda
8/6/2018 11:39:53 AM



#40
Benzene
Concen: 19.56 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.7	28.1	





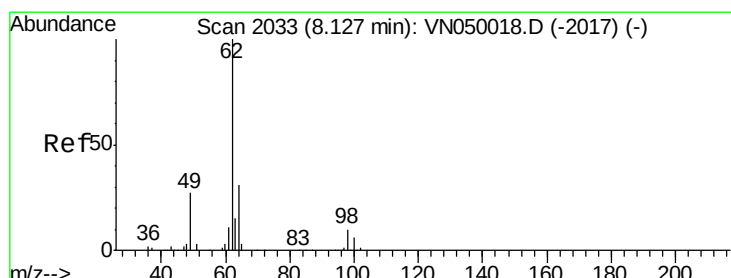
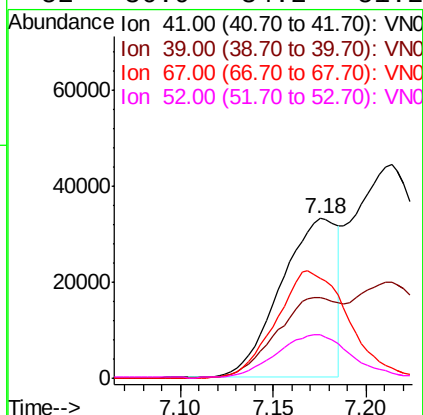
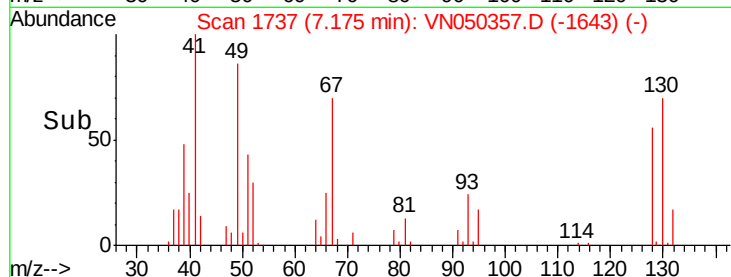
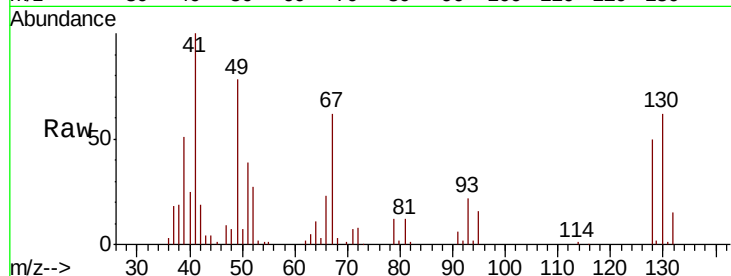
#41
Methacrylonitrile
Concen: 20.42 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.0	55.8	83.6	
67	86.2	84.3	126.5	
52	36.9	34.2	51.2	

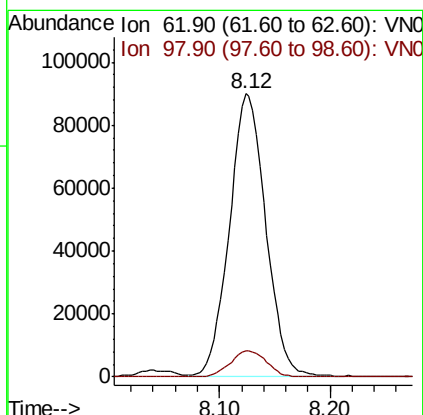
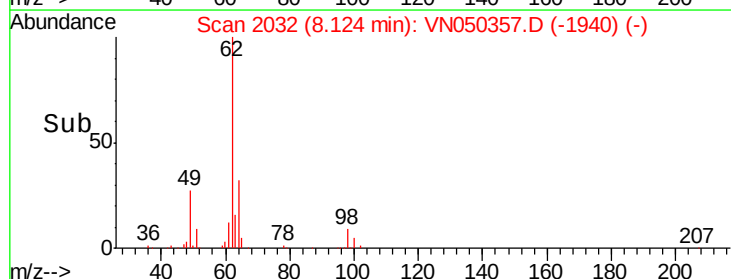
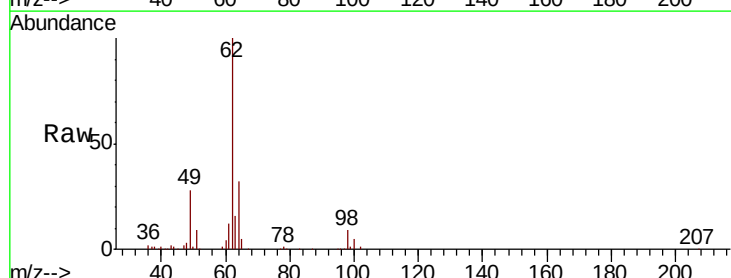
Manual Integrations
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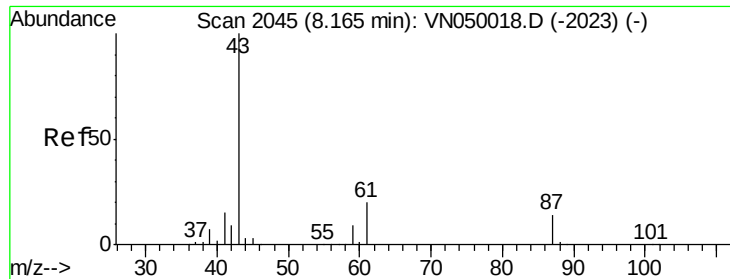
MMDadoda
8/6/2018 11:39:53 AM



#42
1,2-Dichloroethane
Concen: 19.33 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.8	





#43

Isopropyl Acetate

Concen: 18.67 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

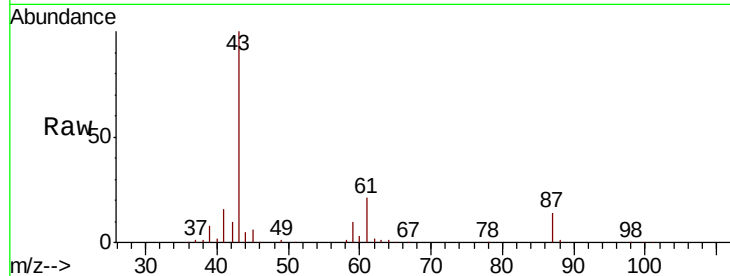
ClientSampleId :

VN0804WBS01

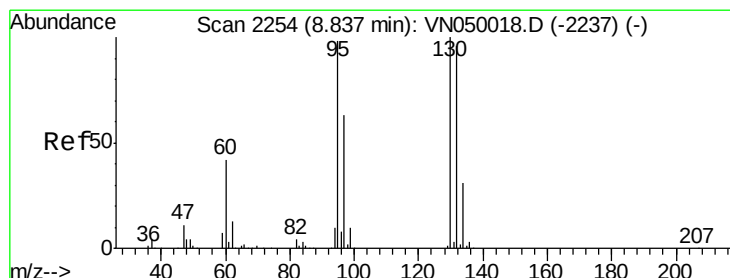
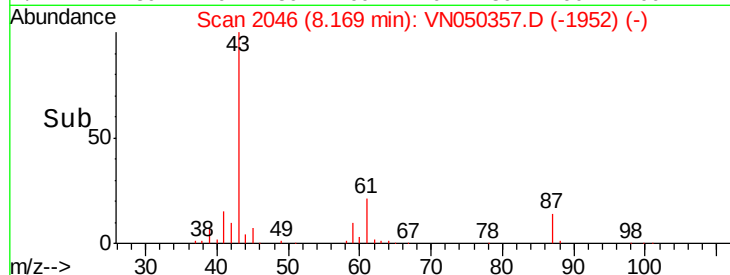
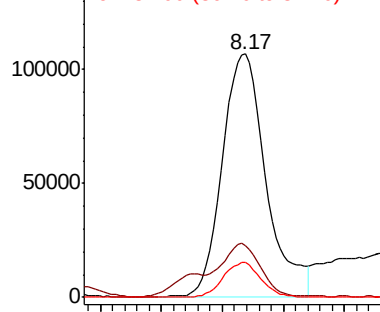
Tot Ion:	43	Resp:	265088
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.8	23.6
87	12.3	10.3	15.5

Manual Integrations
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MMDadoda
8/6/2018 11:39:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)



#44

Trichloroethene

Concen: 18.91 ug/l

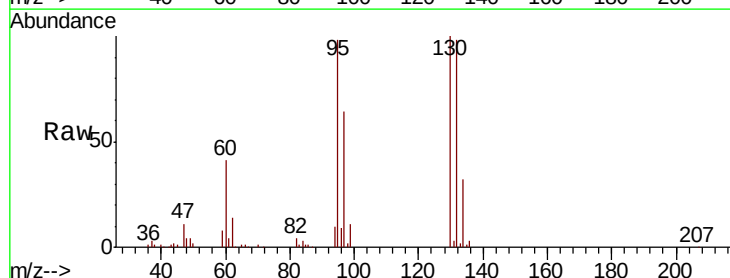
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

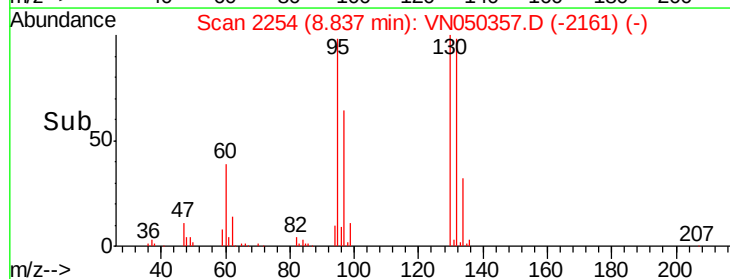
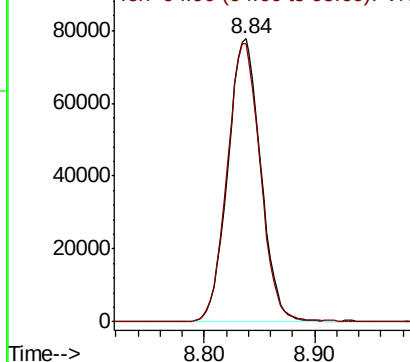
Lab File: VN050357.D

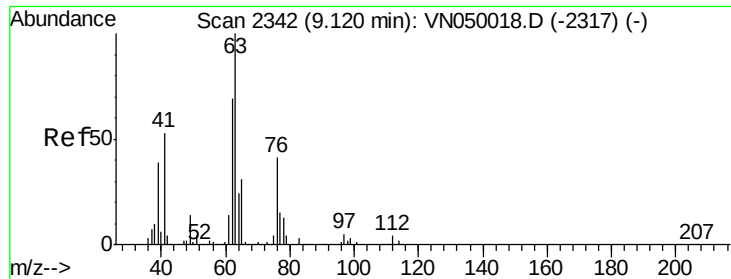
Acq: 4 Aug 2018 11:11

Tgt Ion:	130	Resp:	160981
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)





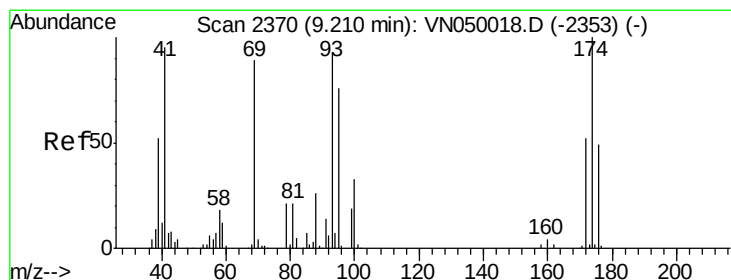
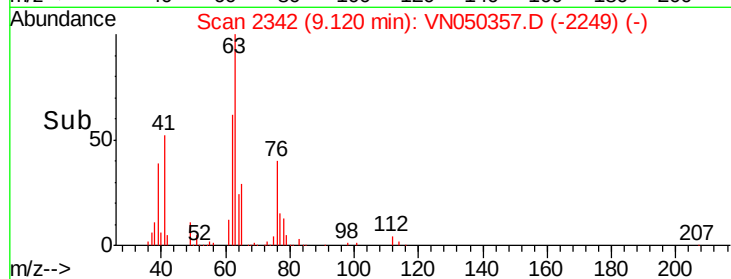
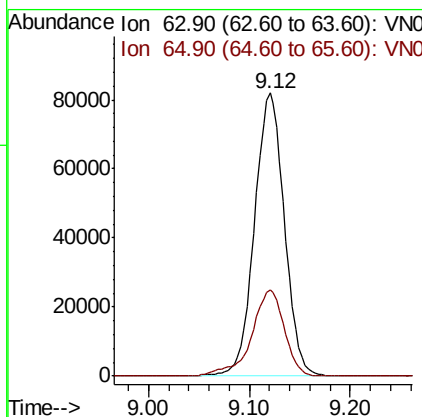
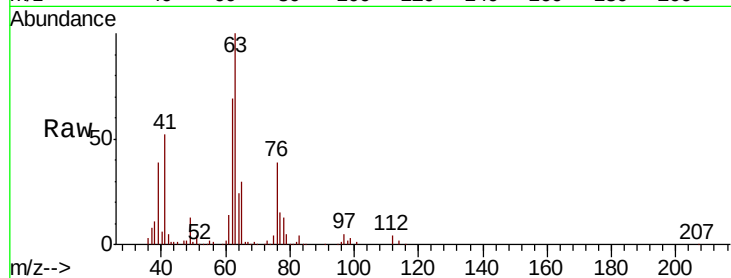
#45
 1,2-Dichloropropane
 Concen: 20.06 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.5	38.3

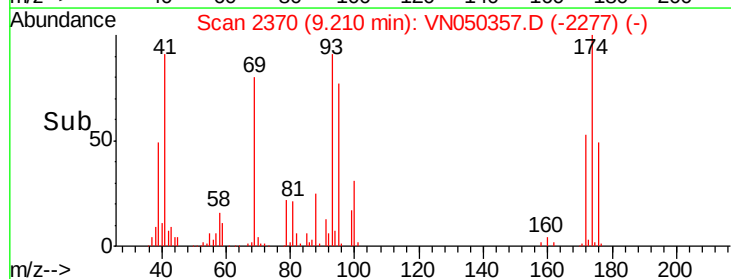
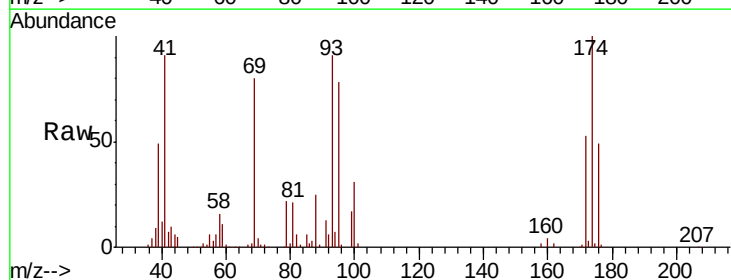
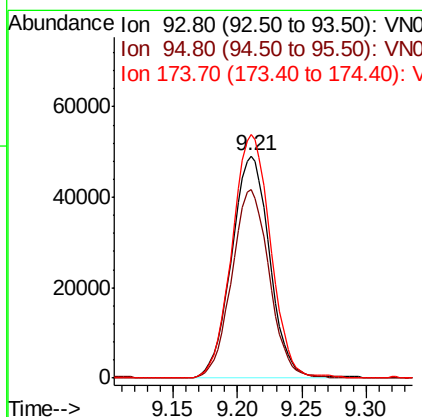
Manual Integrations
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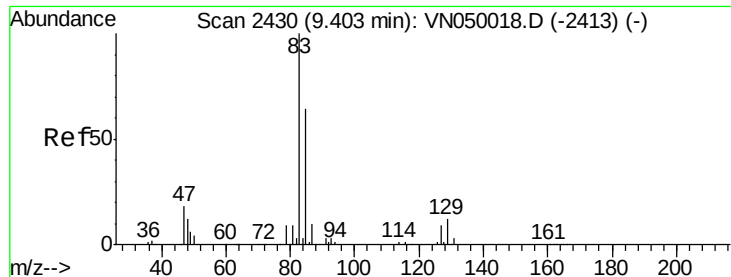
MMDadoda
 8/6/2018 11:39:53 AM



#46
 Dibromomethane
 Concen: 19.39 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.6	100.0
174	110.4	87.1	130.7





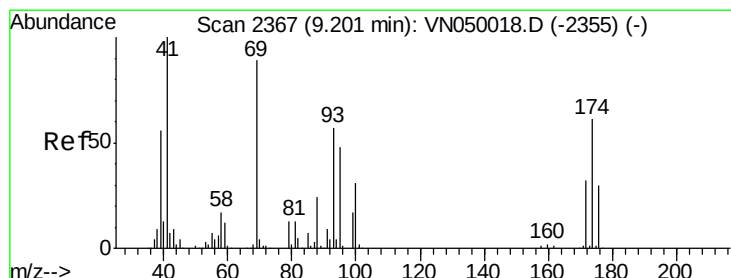
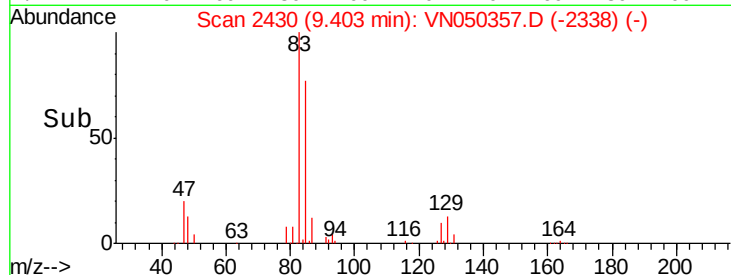
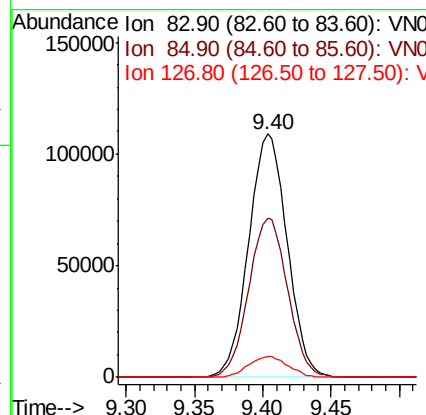
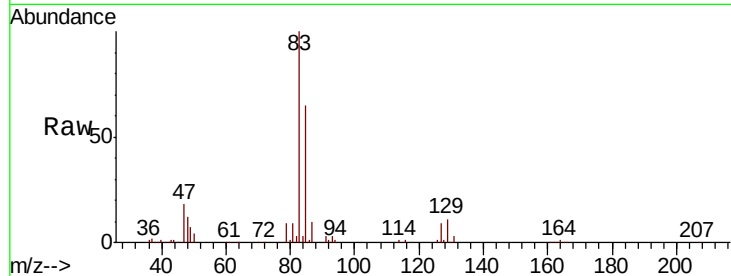
#47
Bromodichloromethane
Concen: 19.44 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	213775		
85	65.5		51.1	76.7
127	8.6		7.0	10.4

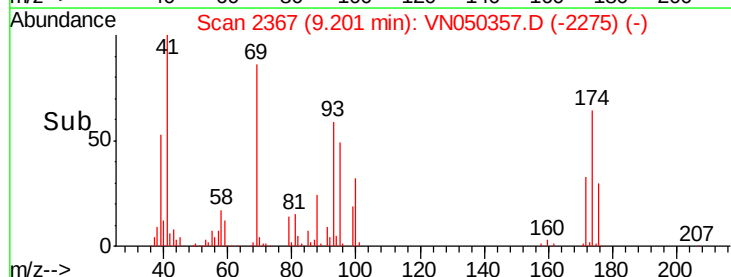
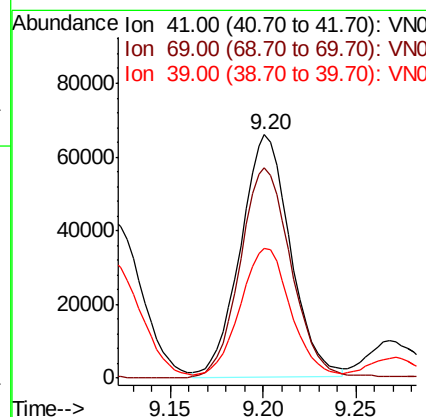
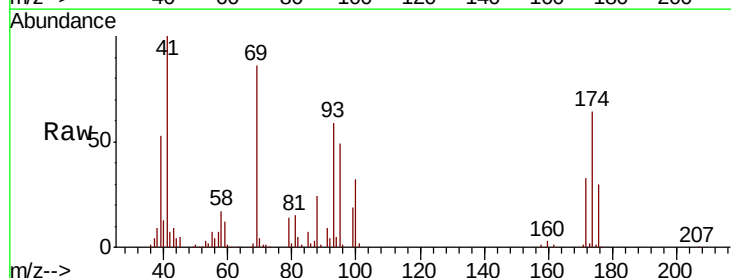
Manual Integrations
APPROVED

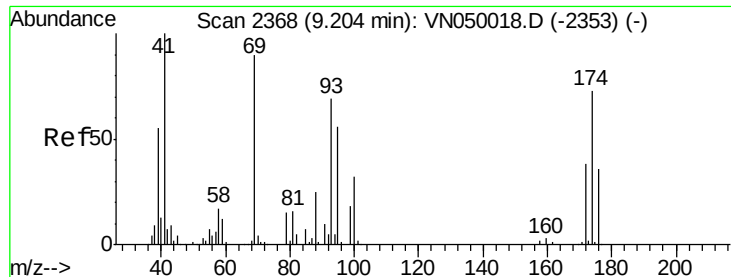
MMDadoda
8/6/2018 11:39:53 AM



#48
Methyl methacrylate
Concen: 19.72 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	123235		
69	89.3		70.6	105.8
39	54.6		43.9	65.9





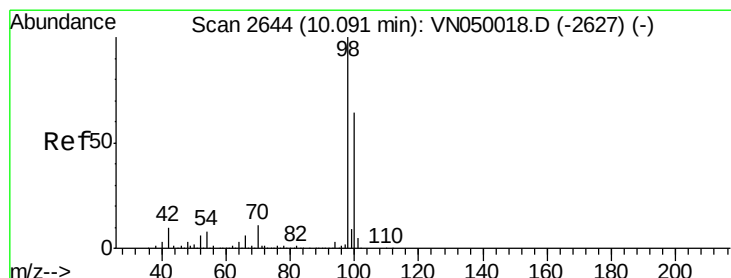
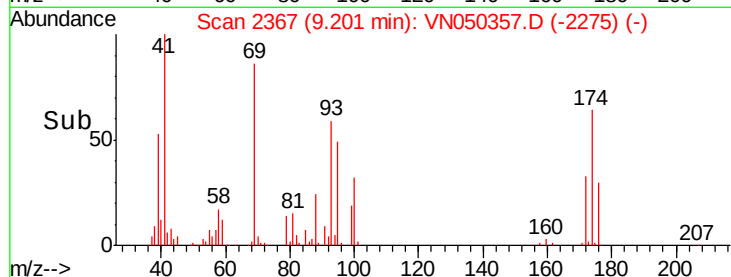
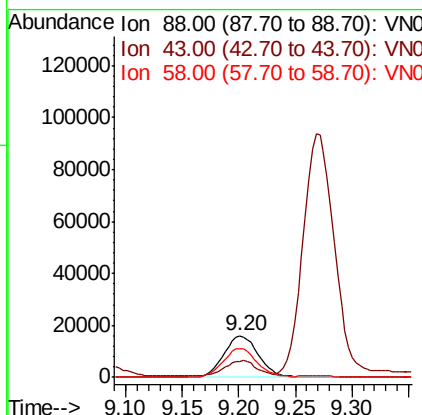
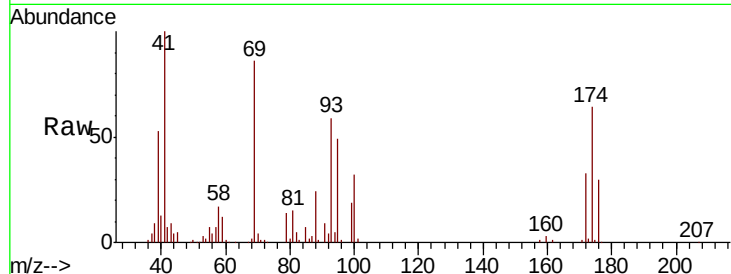
#49
1,4-Dioxane
Concen: 407.24 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion	88	Resp	34642
Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.9	40.3
58	67.4	57.3	85.9

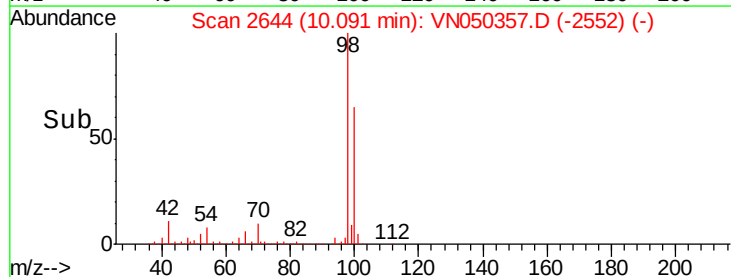
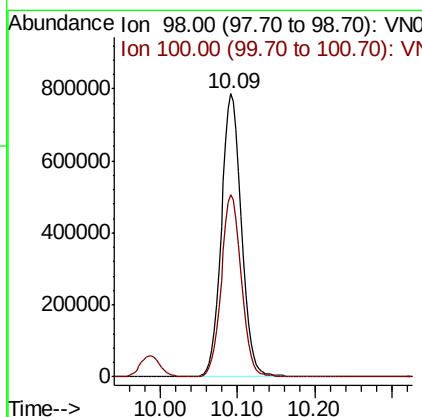
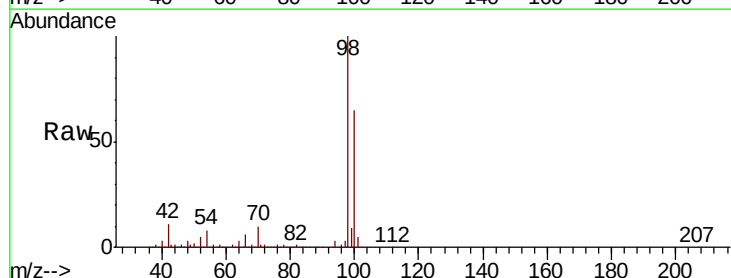
Manual Integrations
APPROVED

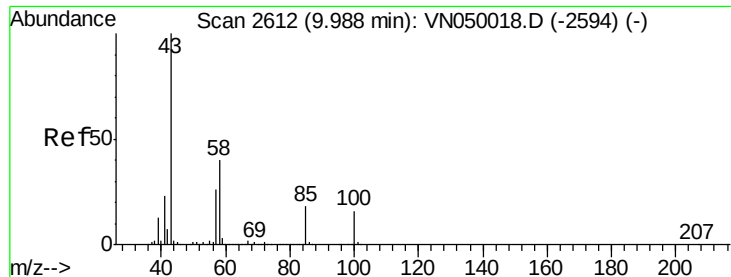
MMDadoda
8/6/2018 11:39:53 AM



#50
Toluene-d8
Concen: 51.44 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	98	Resp	1426829
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





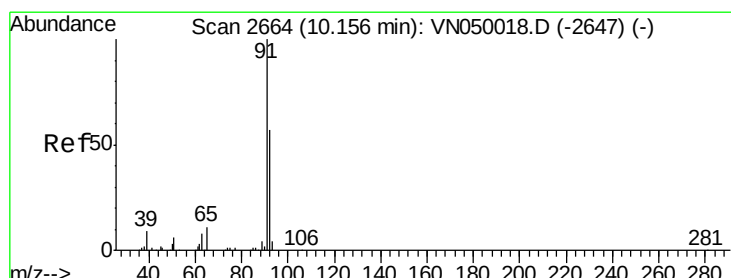
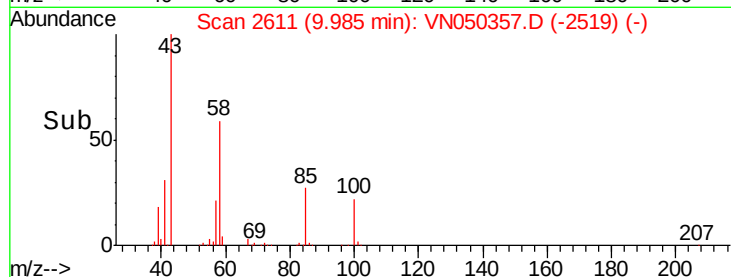
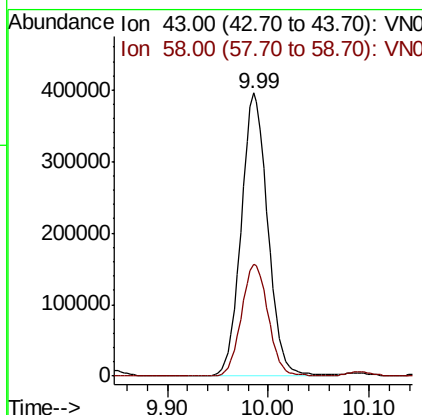
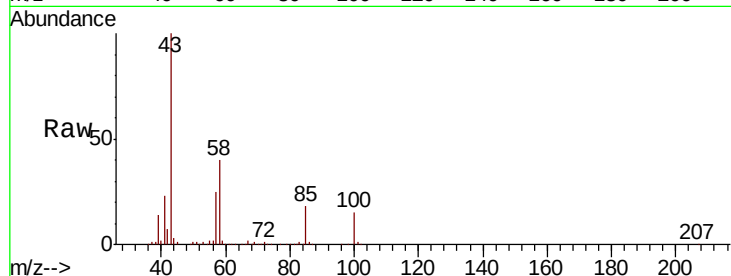
#51
4-Methyl-2-Pentanone
Concen: 100.52 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.9	47.9

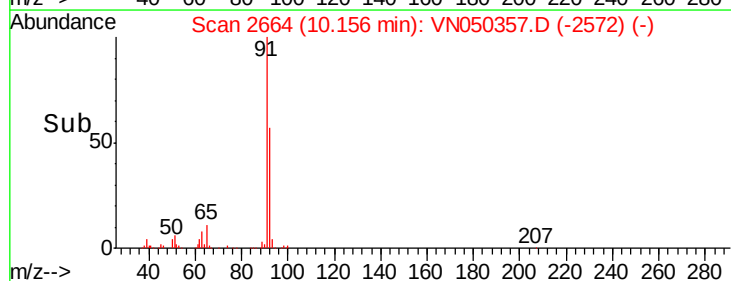
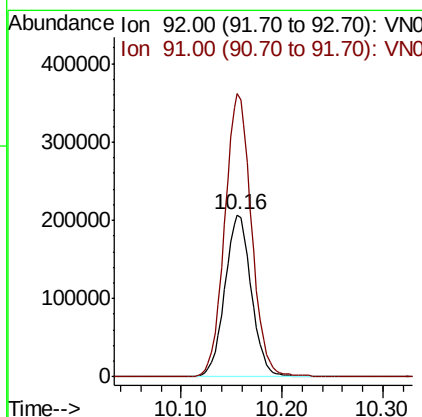
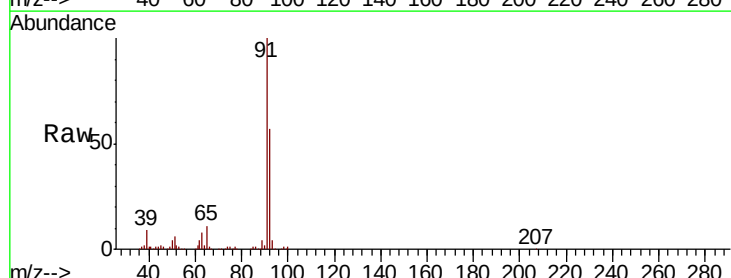
Manual Integrations
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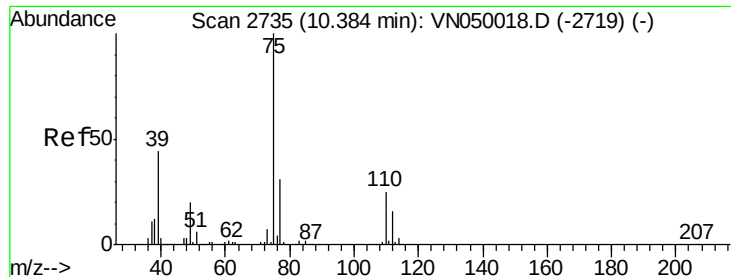
MMDadoda
8/6/2018 11:39:53 AM



#52
Toluene
Concen: 20.36 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.9	140.3	210.5





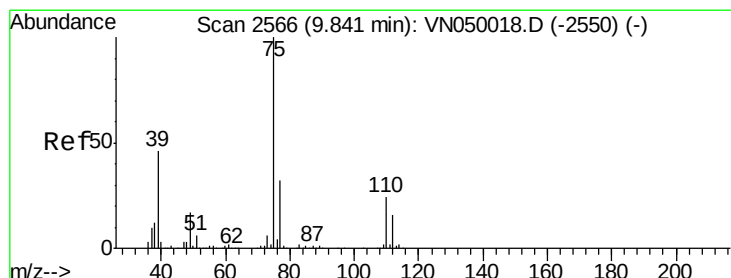
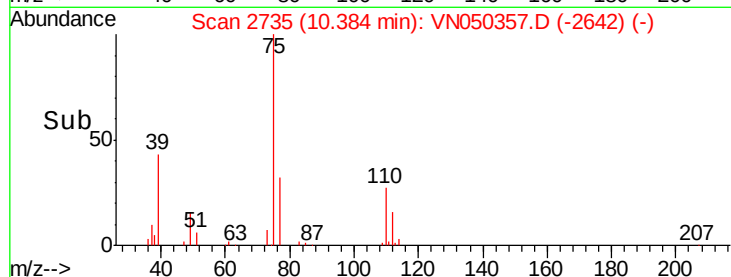
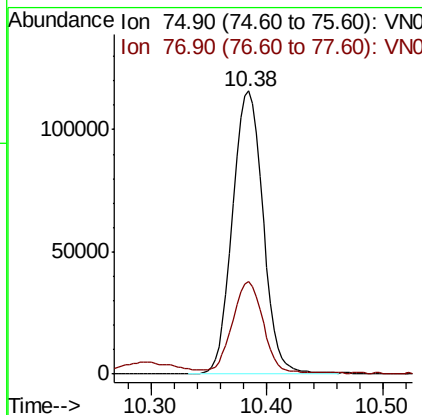
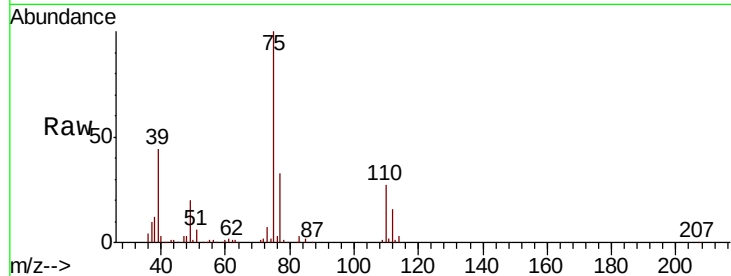
#53
t-1,3-Dichloropropene
Concen: 20.42 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.9	37.3

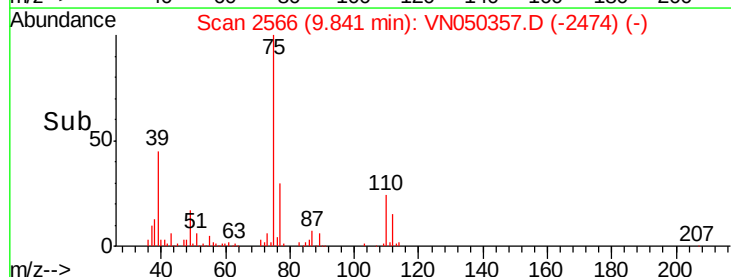
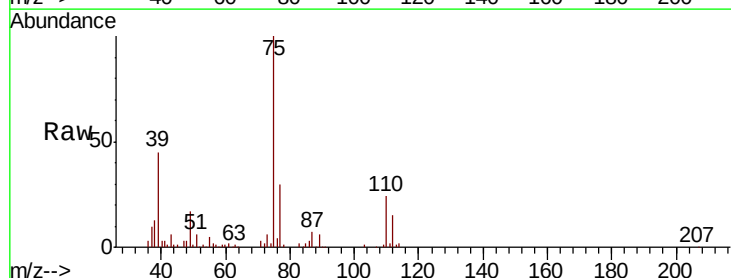
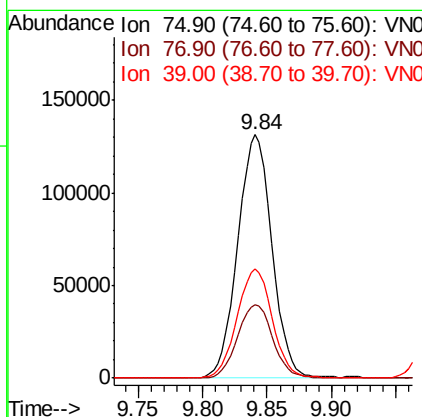
Manual Integrations
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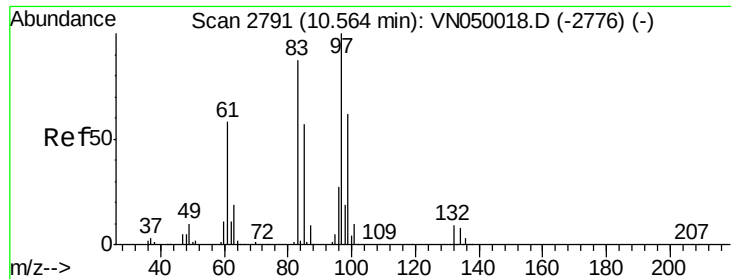
MMDadoda
8/6/2018 11:39:53 AM



#54
cis-1,3-Dichloropropene
Concen: 20.49 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.5	38.3
39	44.5	36.6	55.0





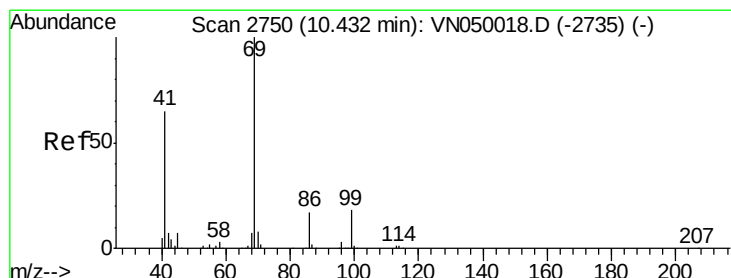
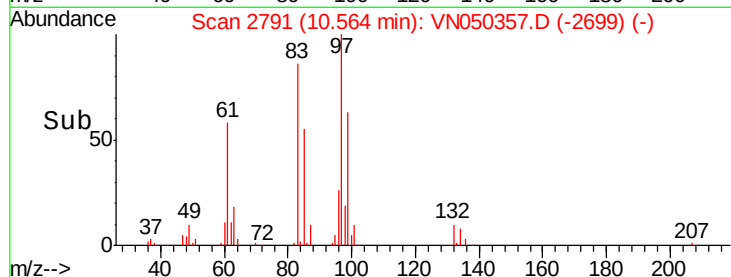
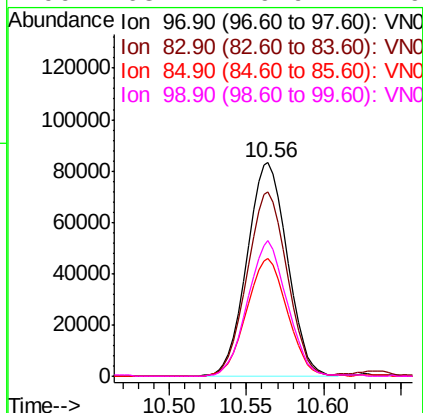
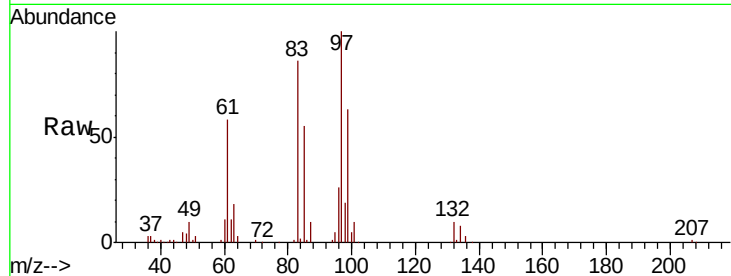
#55
 1,1,2-Trichloroethane
 Concen: 20.40 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		151315		
83	86.1	69.2	103.8		
85	55.2	44.0	66.0		
99	63.4	49.9	74.9		

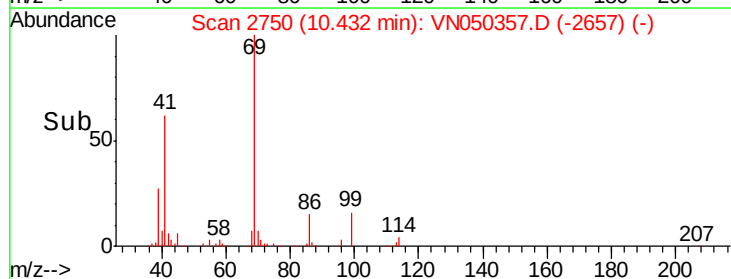
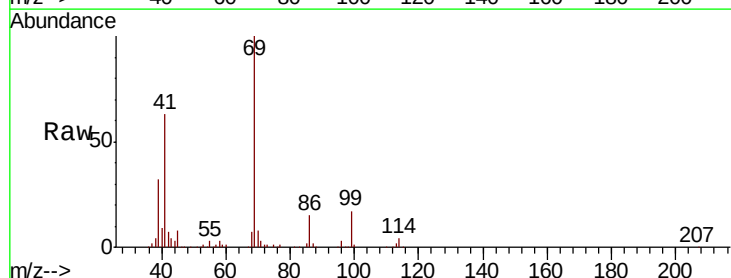
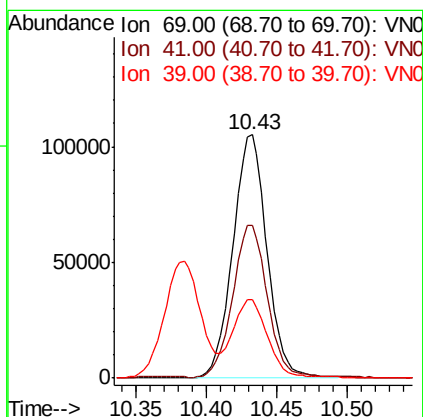
Manual Integrations
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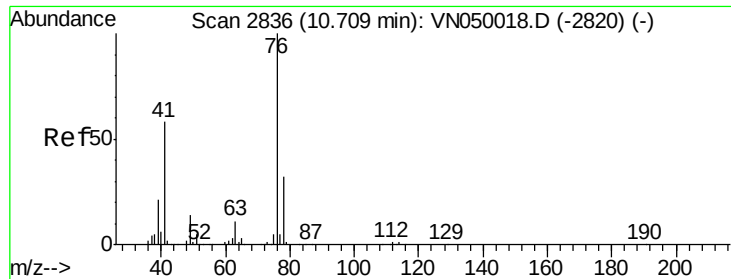
MMDadoda
 8/6/2018 11:39:53 AM



#56
 Ethyl methacrylate
 Concen: 19.07 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		178435		
41	63.1	51.0	76.4		
39	32.3	26.6	40.0		





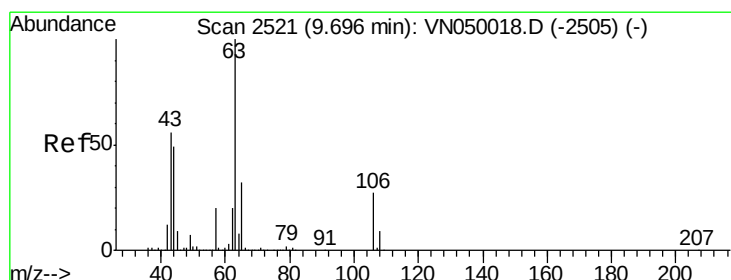
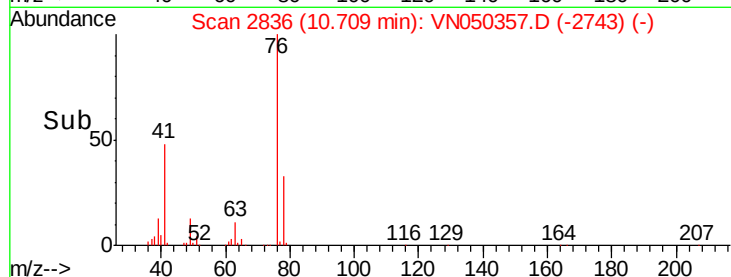
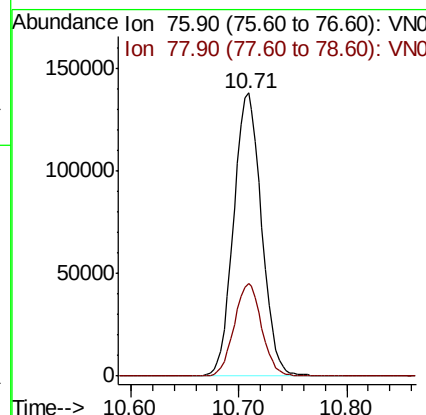
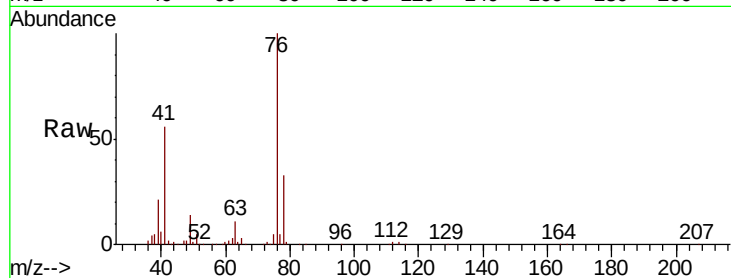
#57
 1,3-Dichloropropane
 Concen: 20.48 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

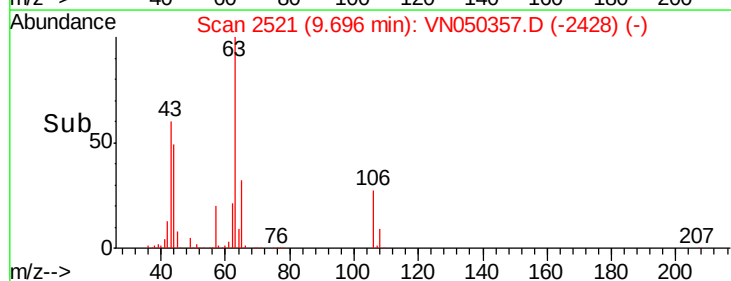
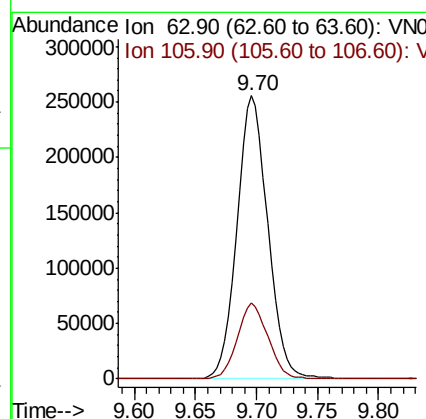
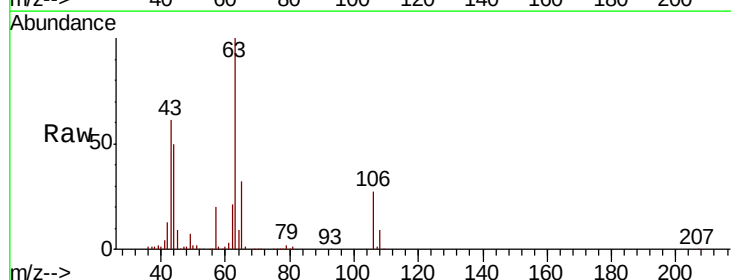
Manual Integrations
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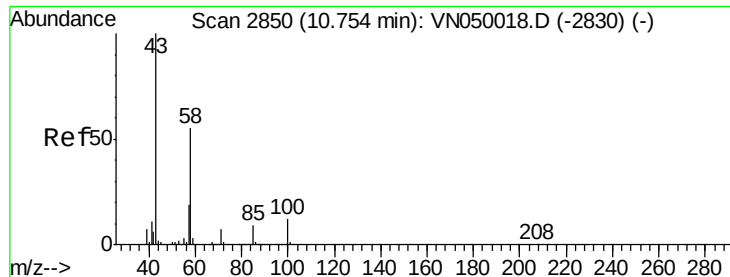
MMDadoda
 8/6/2018 11:39:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.78 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.7	32.5





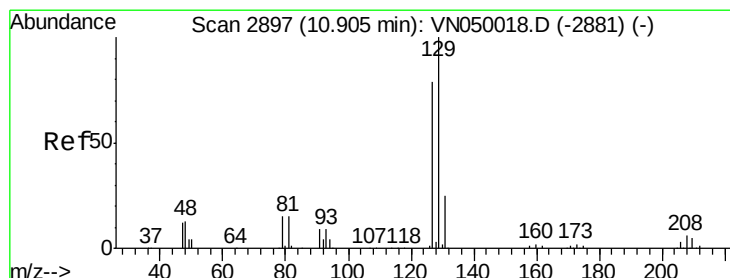
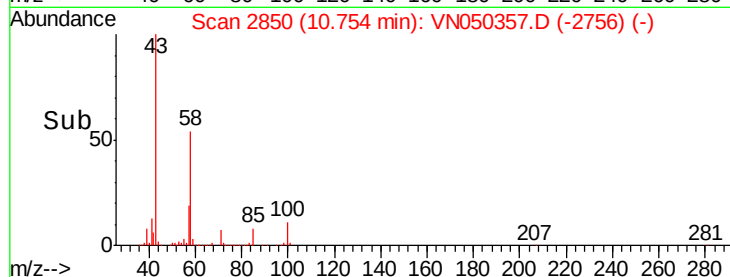
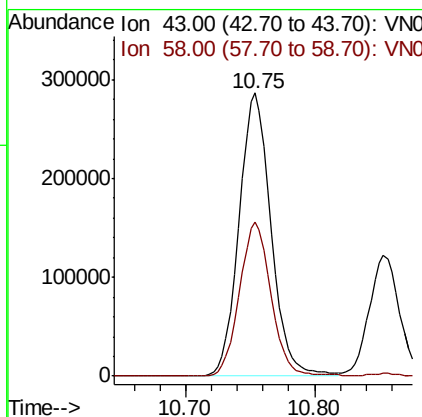
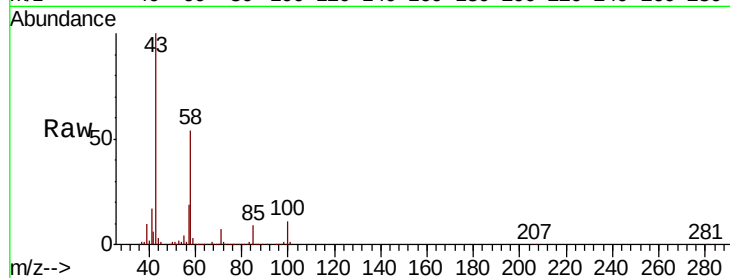
#59
2-Hexanone
Concen: 96.95 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.6	82.7

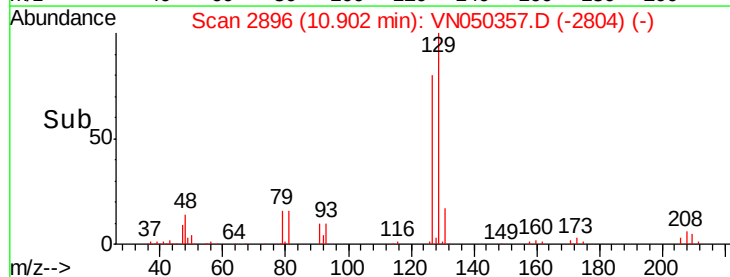
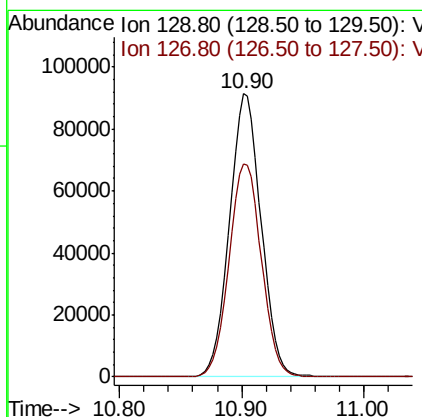
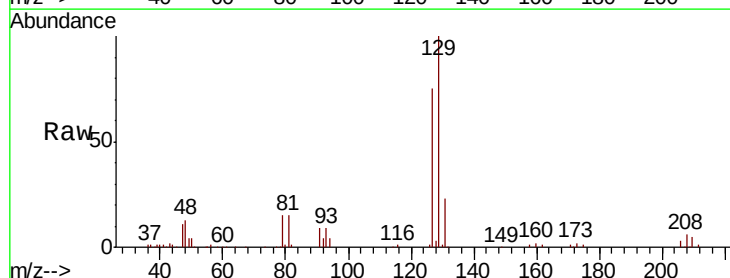
Manual Integrations
APPROVED

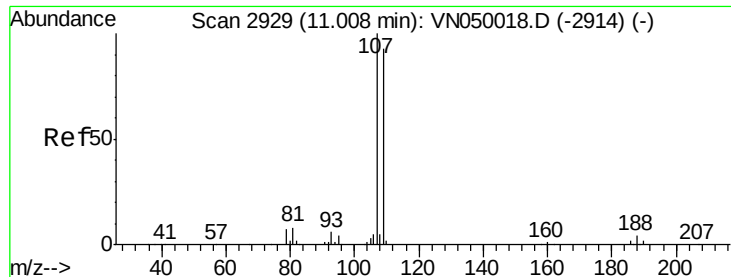
MMDadoda
8/6/2018 11:39:53 AM



#60
Dibromochloromethane
Concen: 20.08 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.0	113.9





#61

1,2-Dibromoethane

Concen: 19.49 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion: 107 Resp: 143448

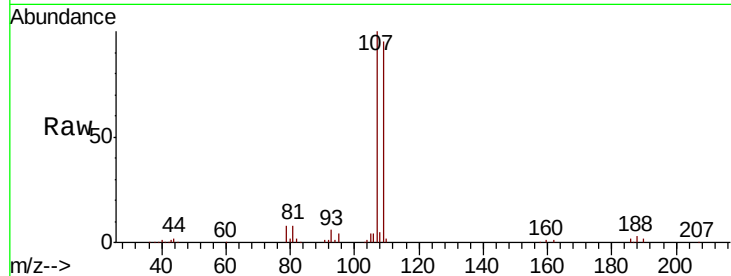
Ion Ratio Lower Upper

107 100

109 95.1 74.6 112.0

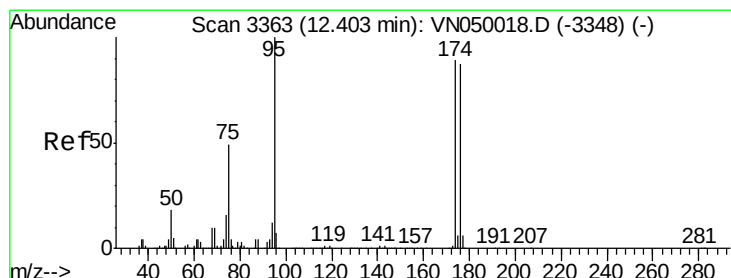
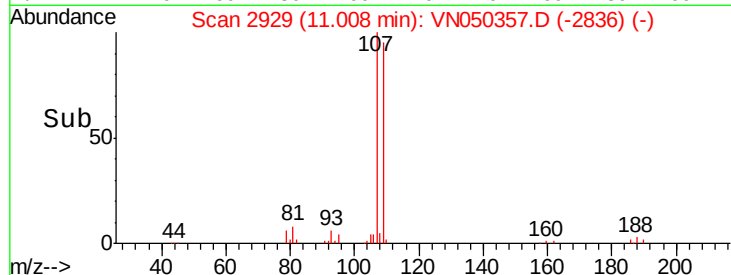
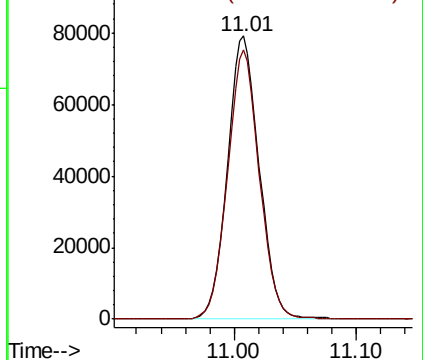
Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:39:53 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

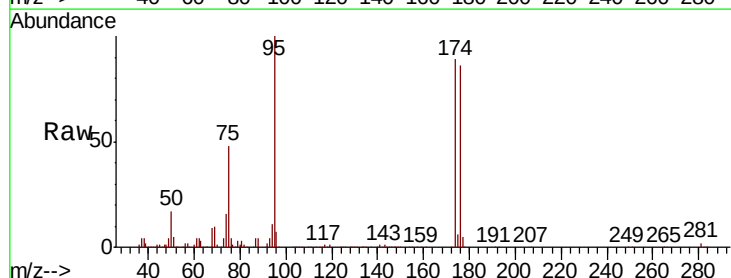
Tgt Ion: 95 Resp: 489886

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.2

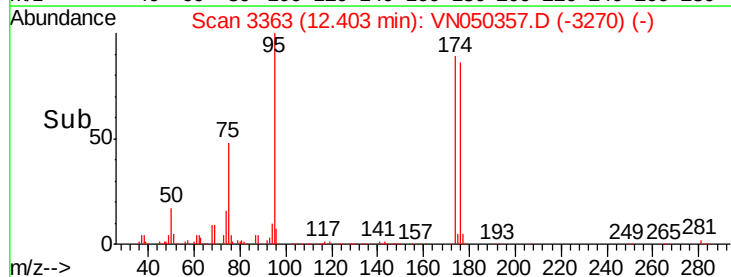
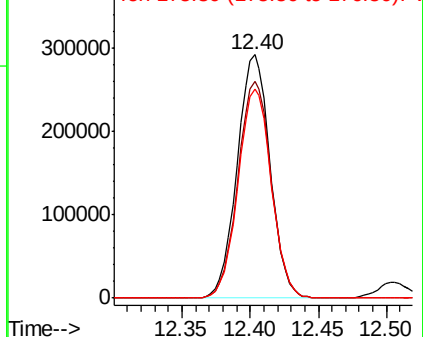
176 86.8 0.0 173.4

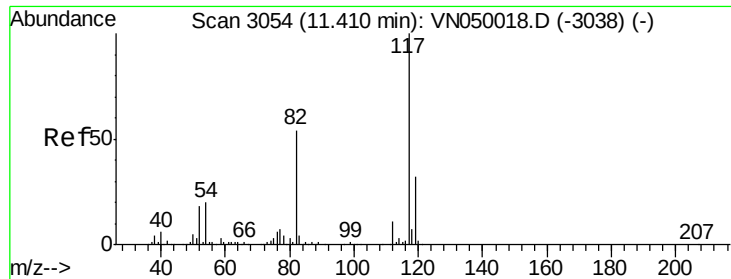


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





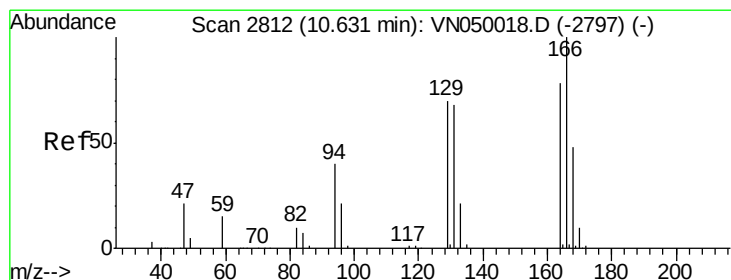
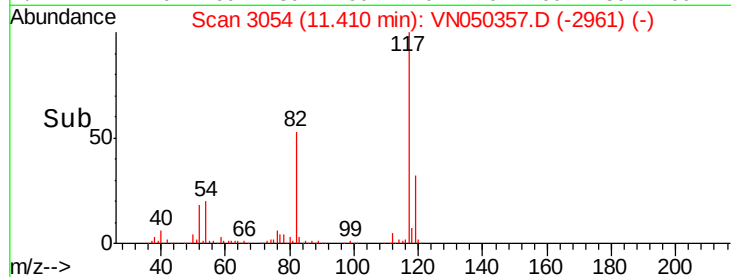
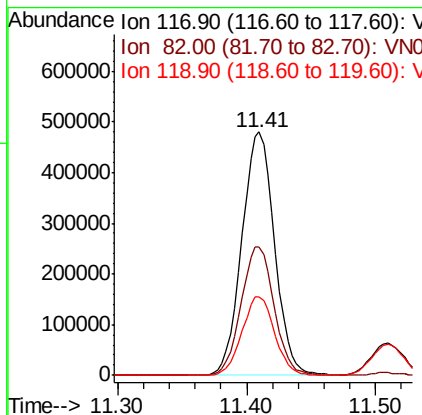
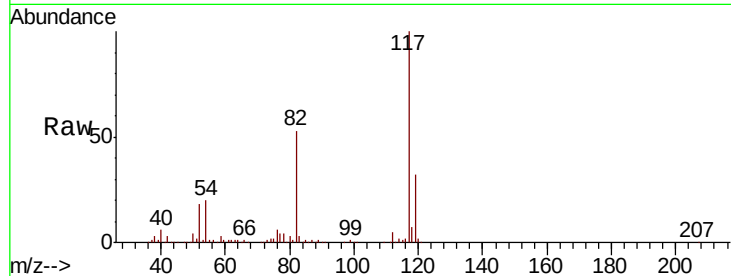
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.7	65.5
119	32.4	26.1	39.1

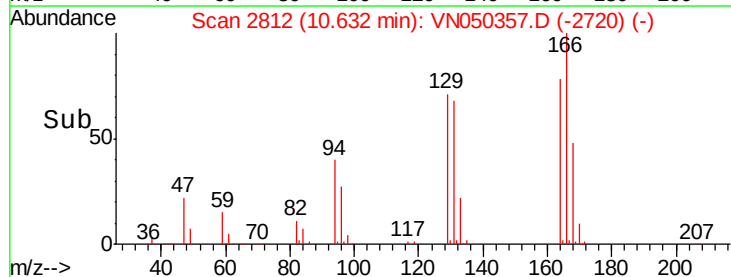
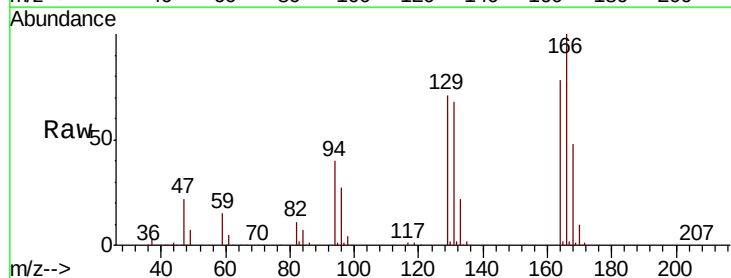
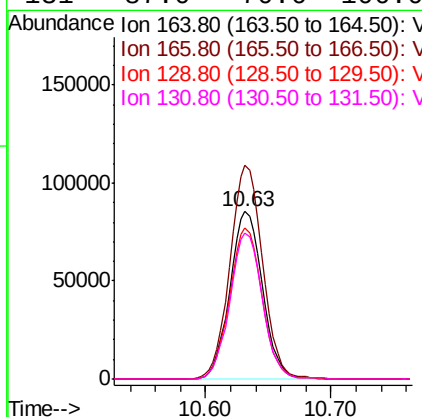
Manual Integrations
APPROVED

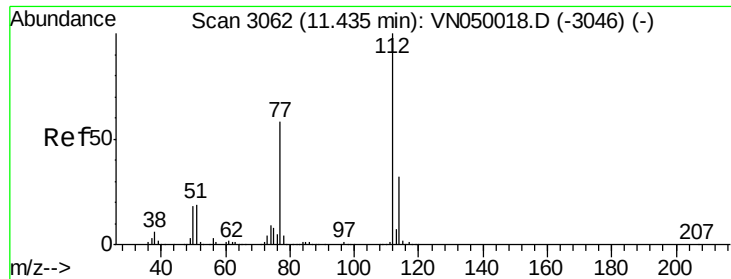
MMDadoda
8/6/2018 11:39:53 AM



#64
Tetrachloroethene
Concen: 18.92 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.1	153.1
129	90.3	73.2	109.8
131	87.0	70.6	106.0





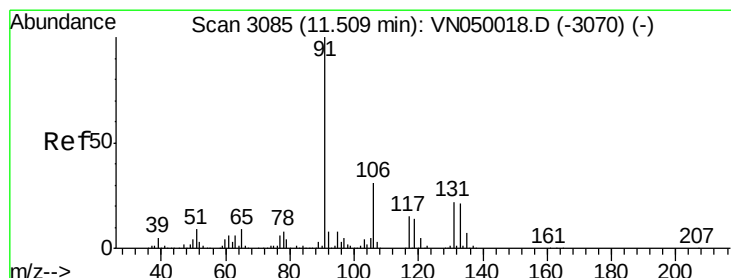
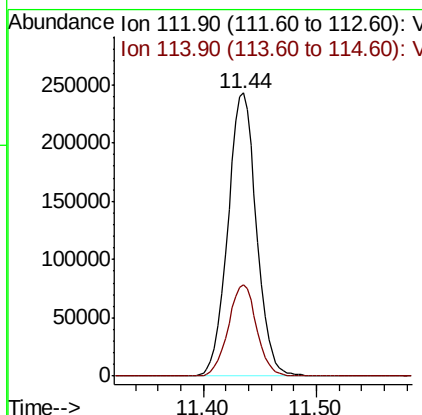
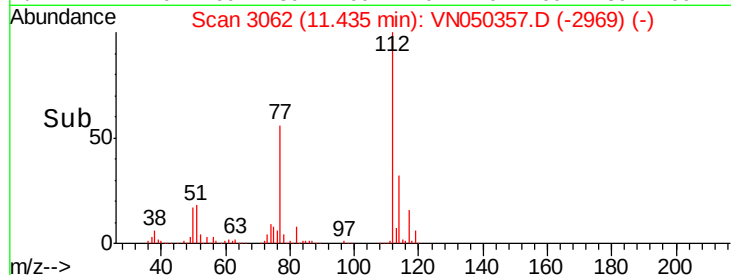
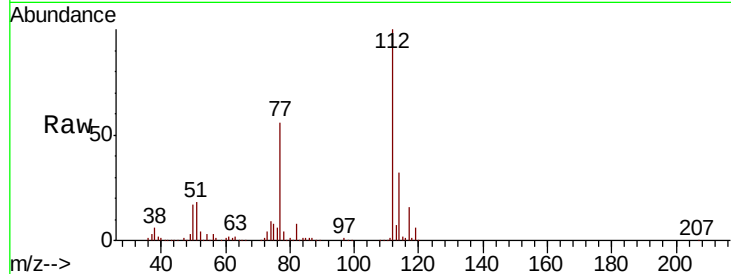
#65
Chlorobenzene
Concen: 19.86 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4

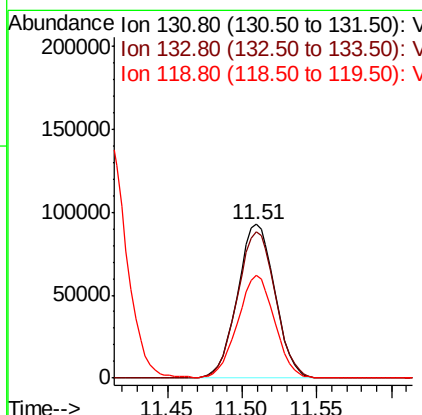
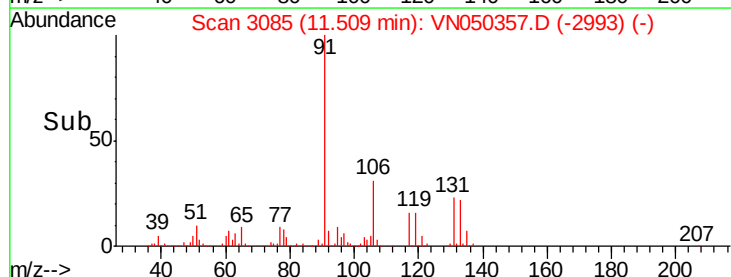
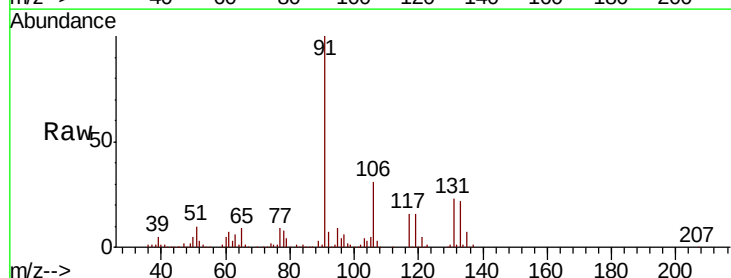
Manual Integrations
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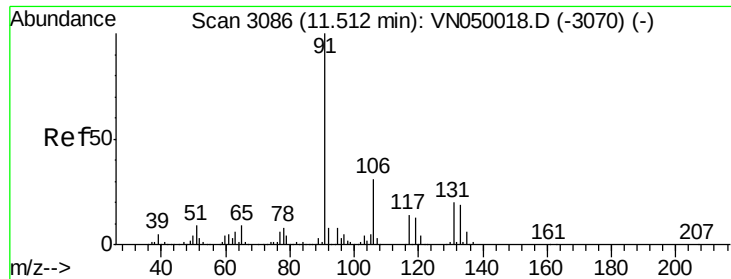
MMDadoda
8/6/2018 11:39:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.61 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.3	141.9
119	66.1	32.9	98.7





#67

Ethyl Benzene

Concen: 20.08 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion: 91 Resp: 690801

Ion Ratio Lower Upper

91 100

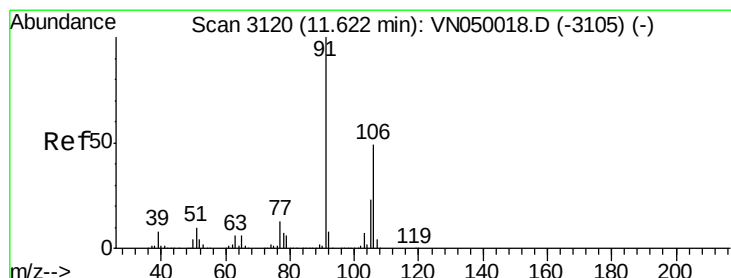
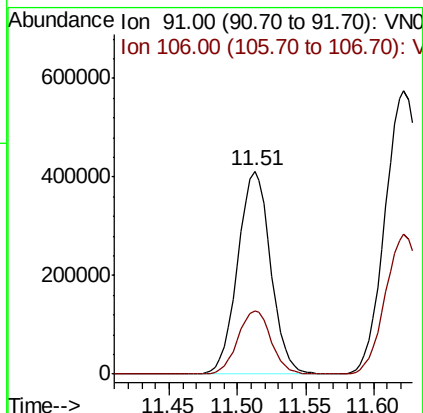
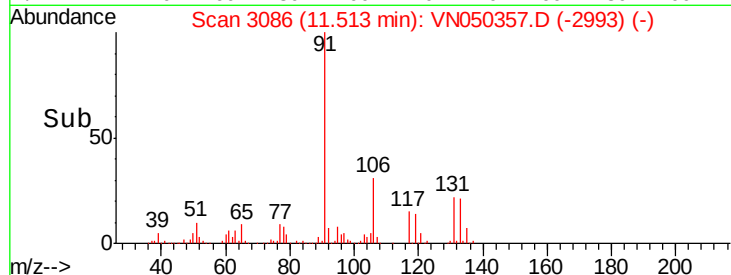
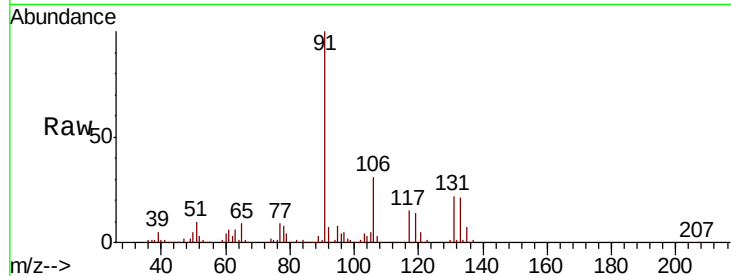
106 31.2 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:39:53 AM



#68

m/p-Xylenes

Concen: 41.79 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050357.D

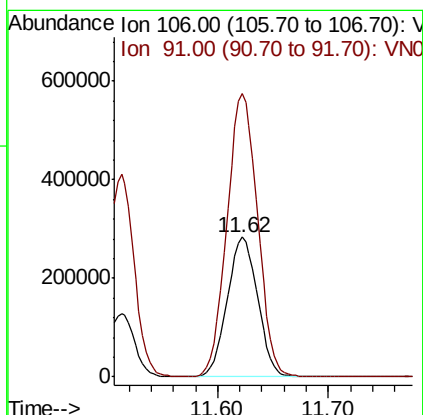
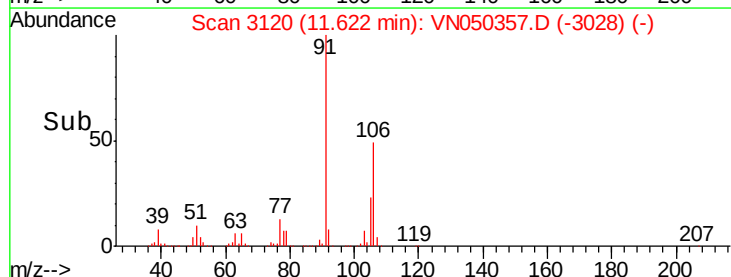
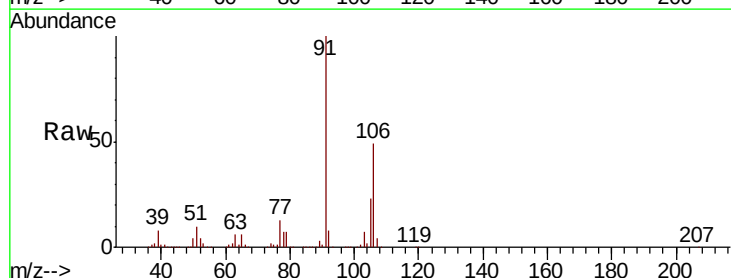
Acq: 4 Aug 2018 11:11

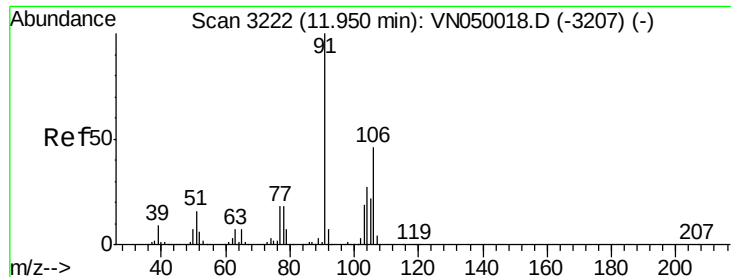
Tgt Ion: 106 Resp: 543833

Ion Ratio Lower Upper

106 100

91 203.2 162.2 243.2





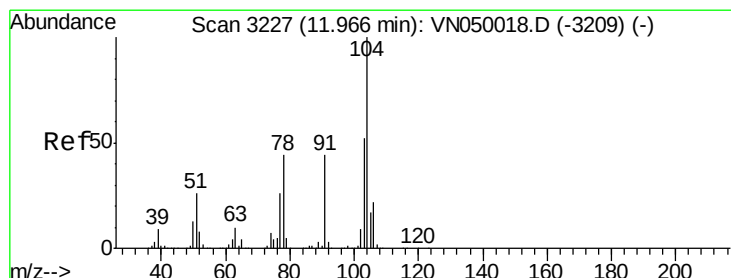
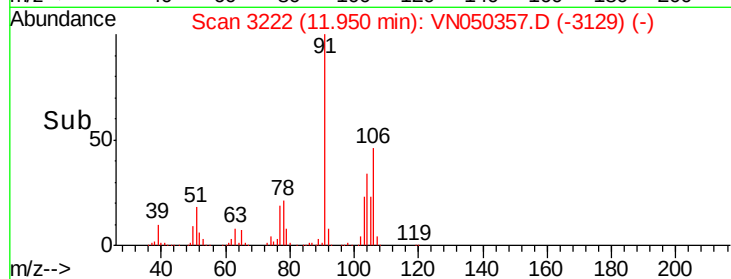
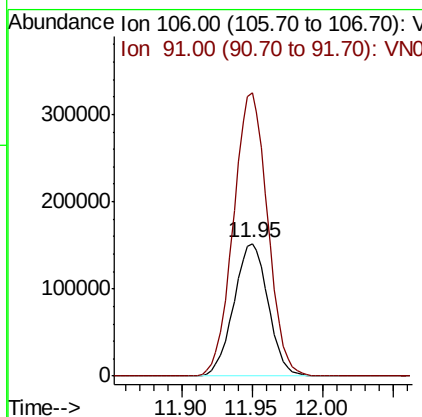
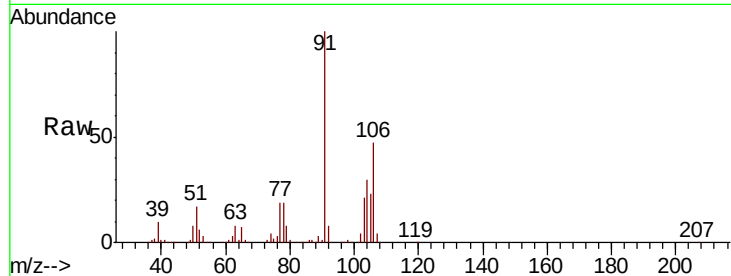
#69
o-Xylene
Concen: 20.87 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	258971		
91	213.5	107.7	323.1	

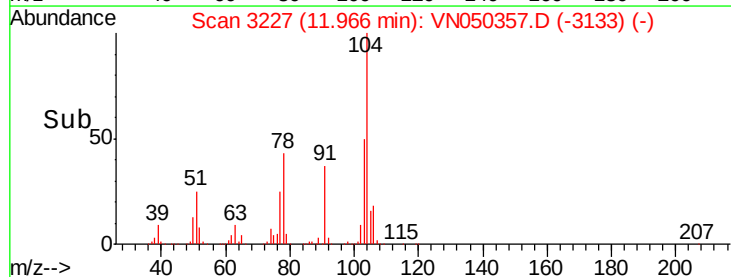
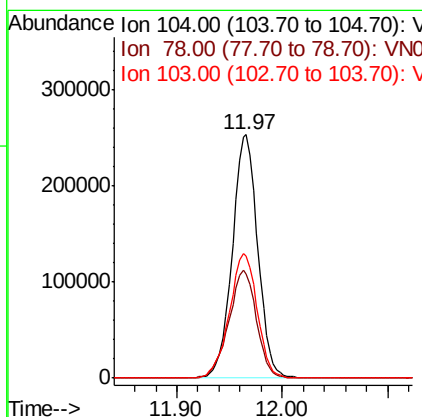
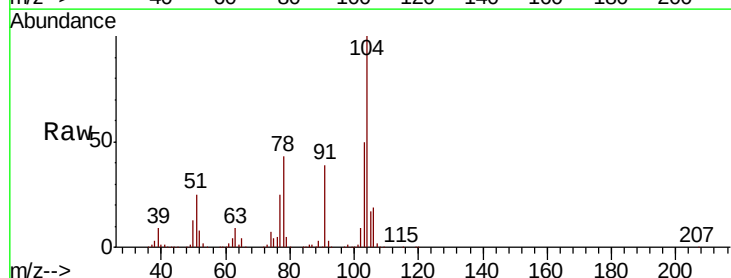
Manual Integrations
APPROVED

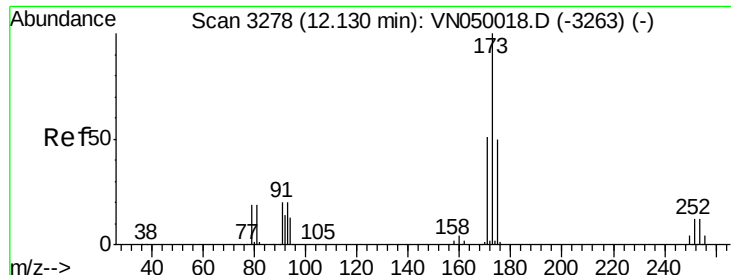
MMDadoda
8/6/2018 11:39:53 AM



#70
Styrene
Concen: 19.75 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	423235		
78	48.3	39.3	58.9	
103	55.9	45.0	67.6	





#71

Bromoform

Concen: 19.25 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

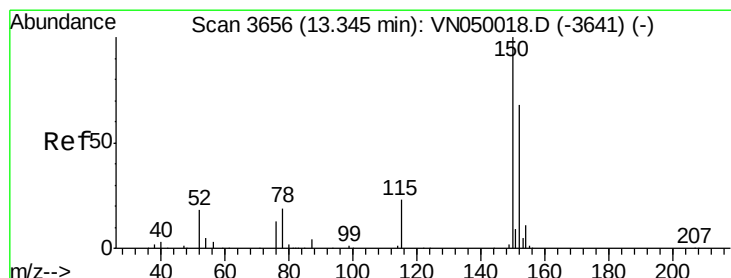
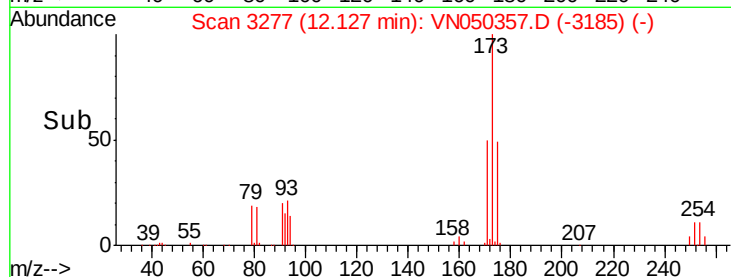
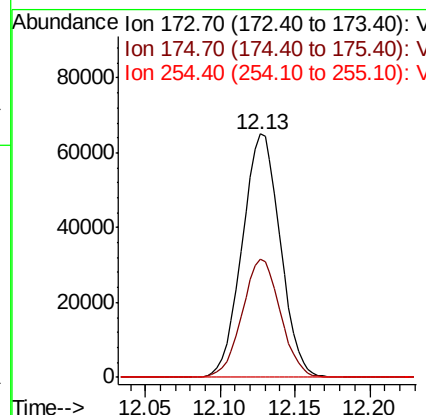
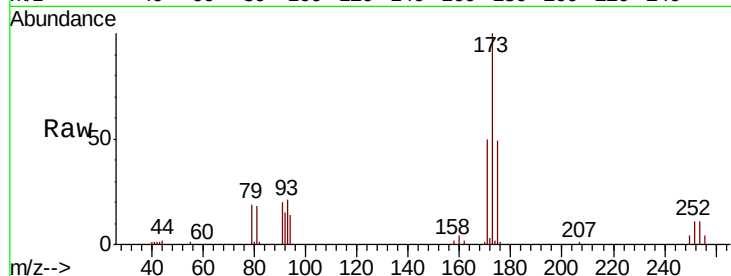
ClientSampleId :

VN0804WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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MMDadoda
8/6/2018 11:39:53 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

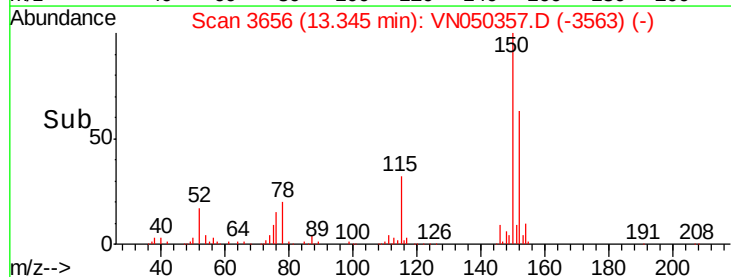
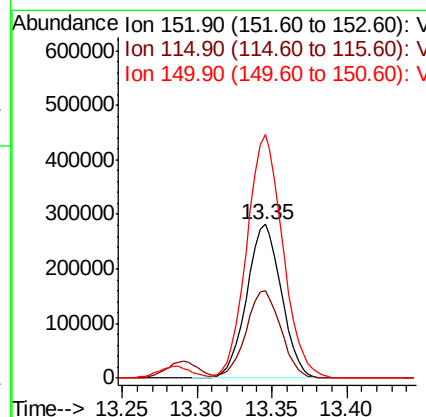
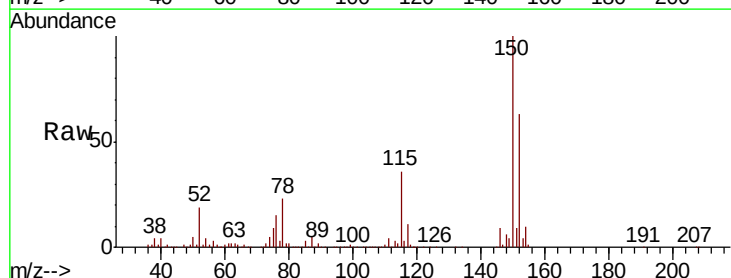
RT: 13.35 min Scan# 3656

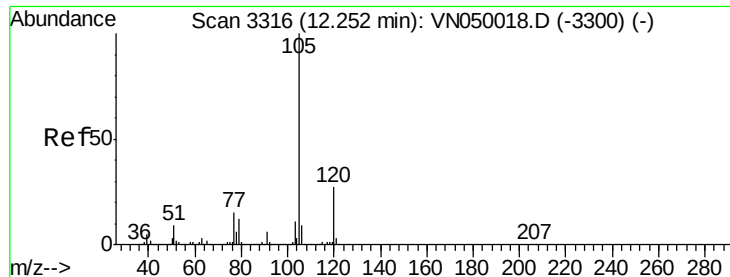
Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.8	83.3
150	165.2	0.0	348.6





#73

Isopropylbenzene

Concen: 19.67 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBS01

Tot Ion:105 Resp: 693320

Ion Ratio Lower Upper

105 100

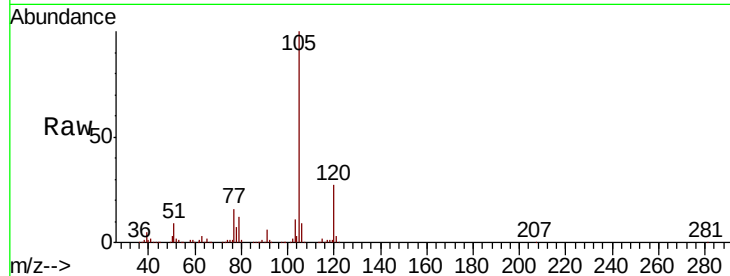
120 26.8 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:39:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

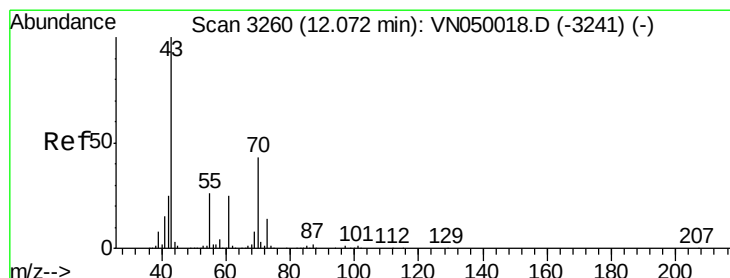
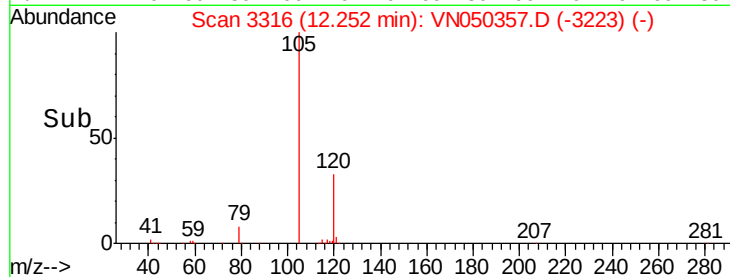
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 18.73 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Tgt Ion: 43 Resp: 201798

Ion Ratio Lower Upper

43 100

70 42.6 34.4 51.6

55 27.8 20.8 31.2

61 24.9 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

100000

50000

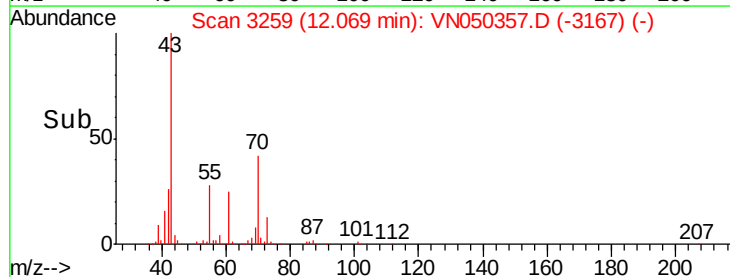
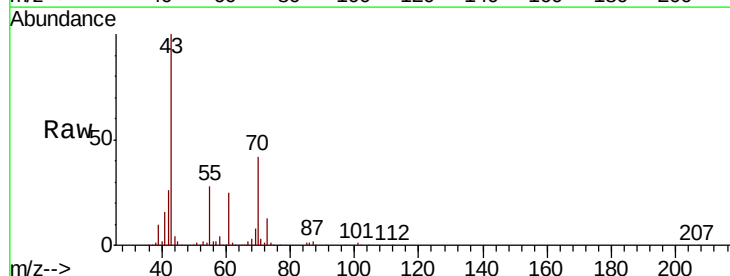
0

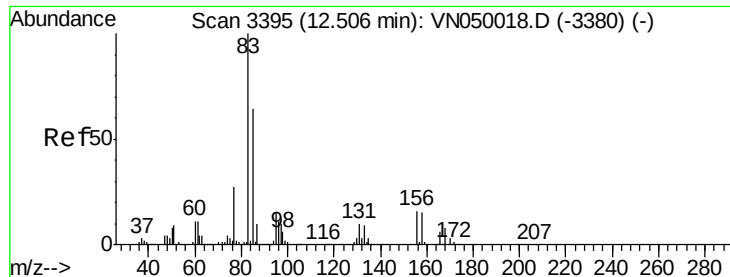
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.66 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

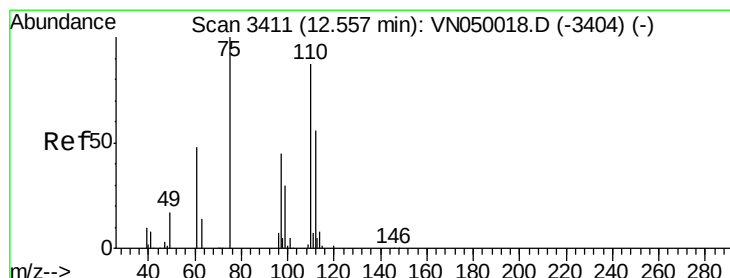
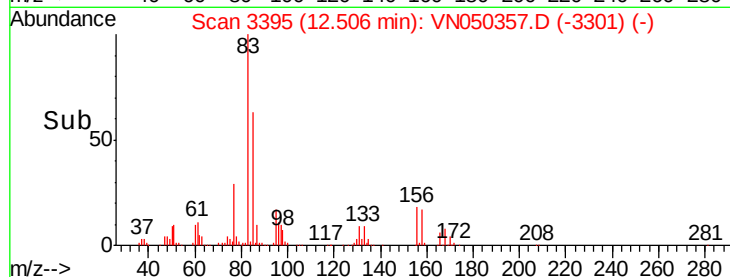
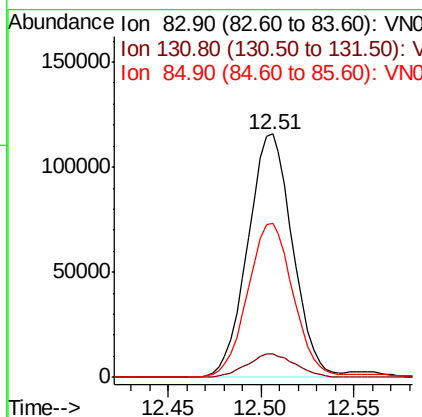
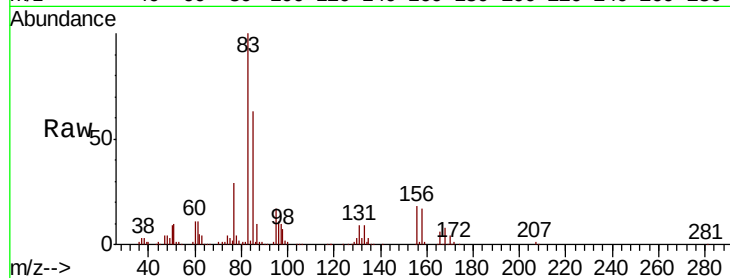
ClientSampled :

VN0804WBS01

Tot Ion:	83	Resp:	195186
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	64.2	32.3	96.8

Manual Integrations
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MMDadoda
8/6/2018 11:39:53 AM



#76

1,2,3-Trichloropropane

Concen: 19.18 ug/l m

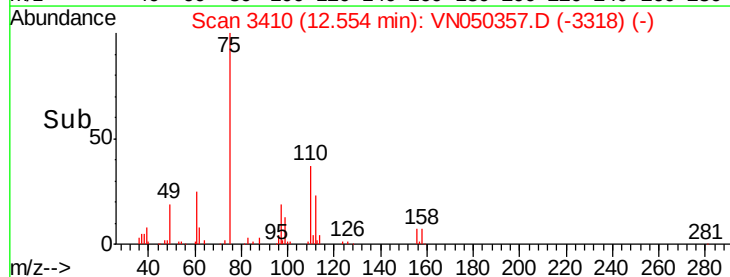
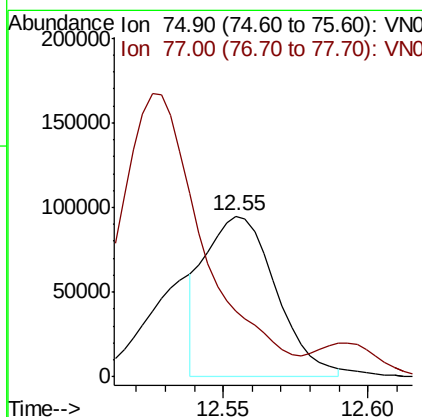
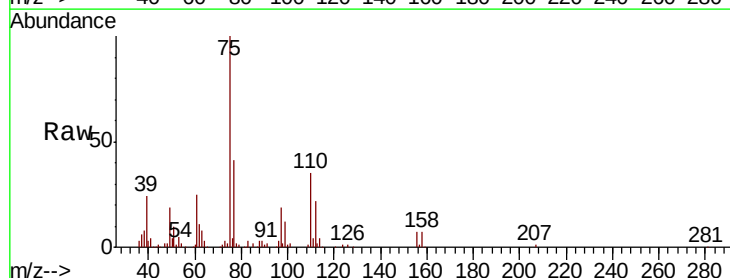
RT: 12.55 min Scan# 3410

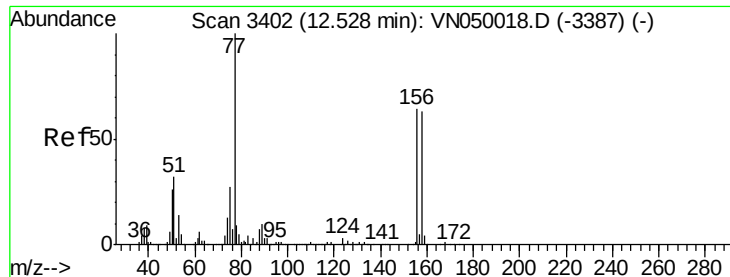
Delta R.T. -0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Tgt Ion:	75	Resp:	161973
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.87 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion:156 Resp: 184358

Ion Ratio Lower Upper

156 100

77 185.5 91.7 275.1

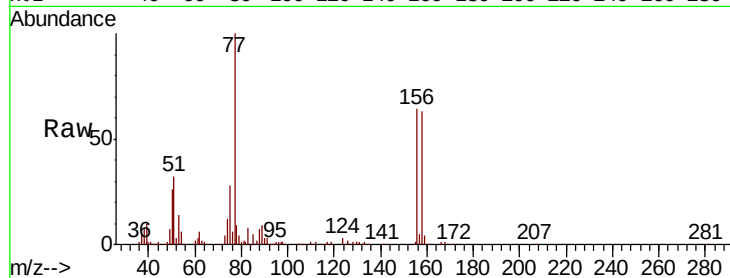
158 98.6 48.9 146.6

Manual Integrations

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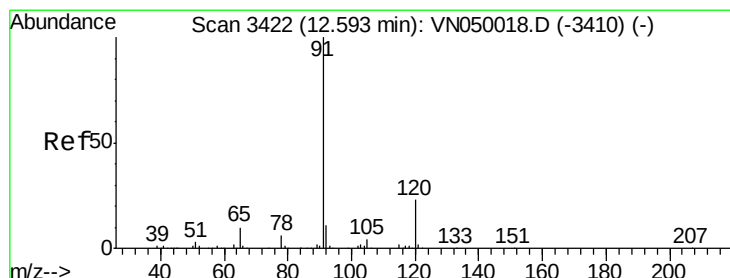
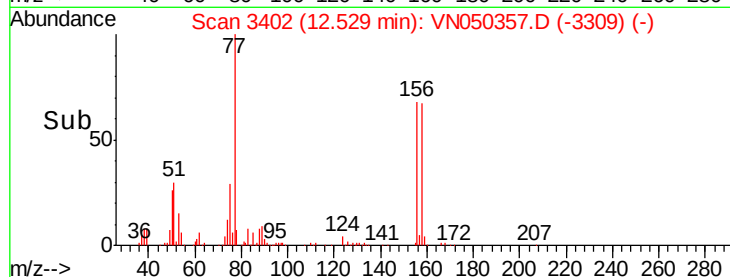
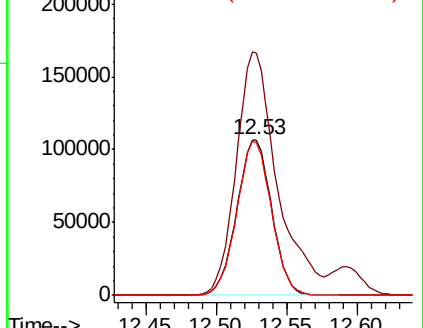
8/6/2018 11:39:53 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.57 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050357.D

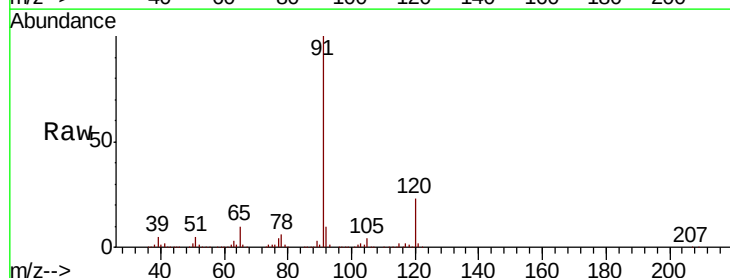
Acq: 4 Aug 2018 11:11

Tgt Ion: 91 Resp: 810231

Ion Ratio Lower Upper

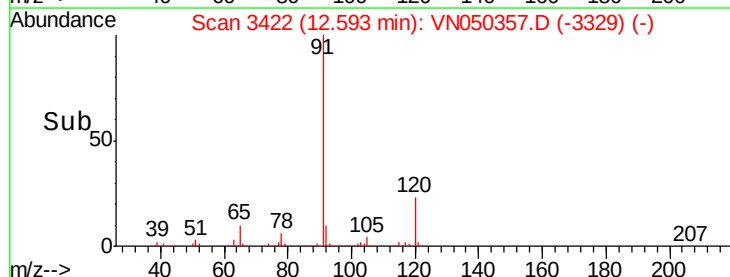
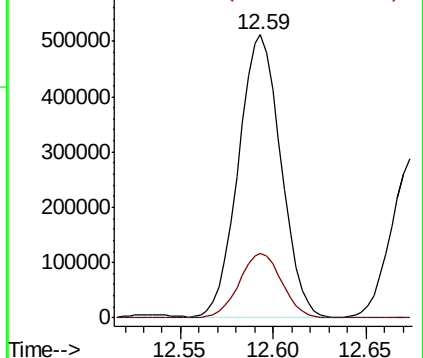
91 100

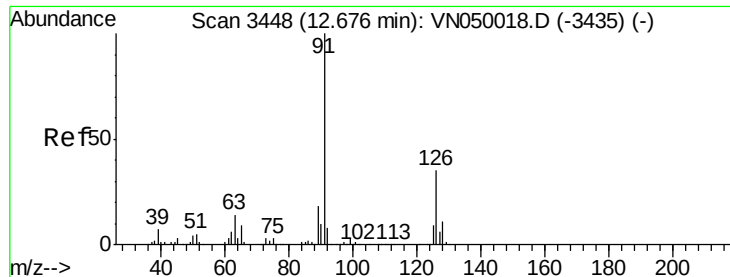
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





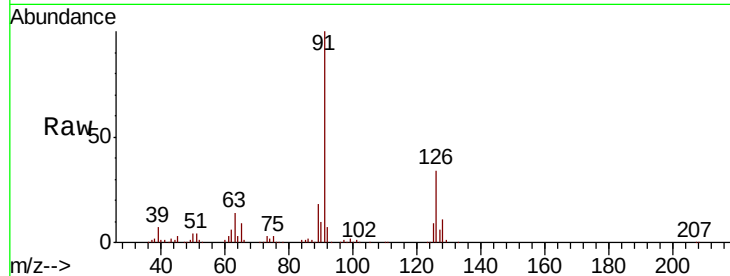
#79
2-Chlorotoluene
Concen: 20.23 ug/l
RT: 12.68 min Scan# 3448
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

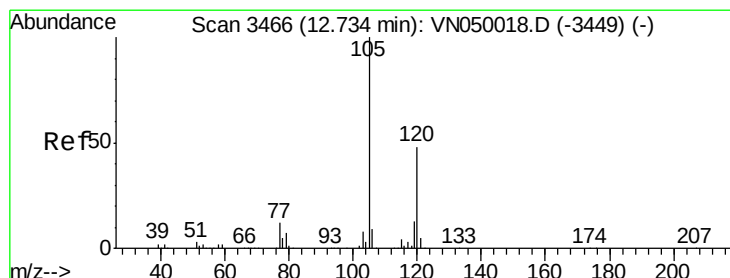
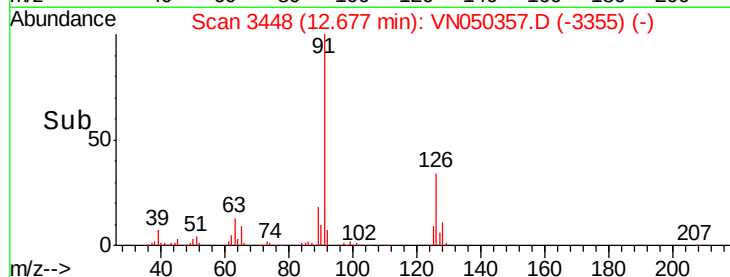
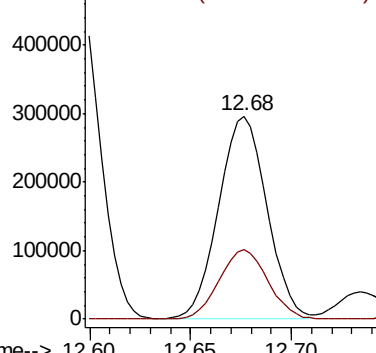
Tot Ion: 91 Resp: 493932
Ion Ratio Lower Upper
91 100
126 34.8 17.6 52.8

Manual Integrations
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8/6/2018 11:39:53 AM

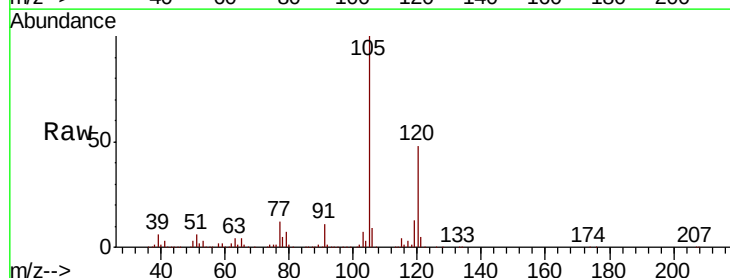


Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)
Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)

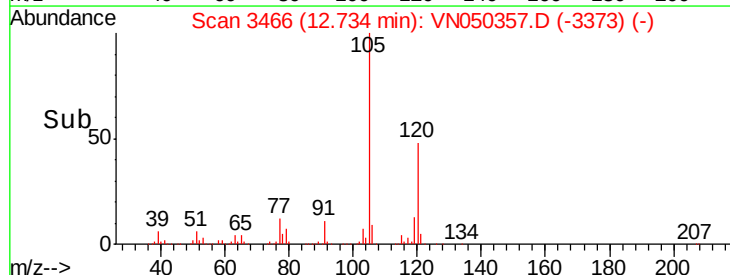
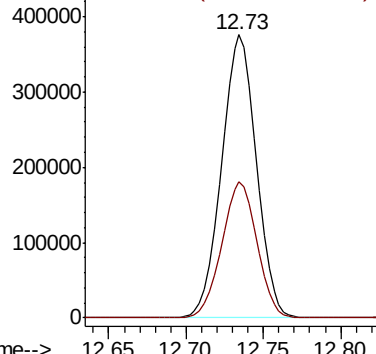


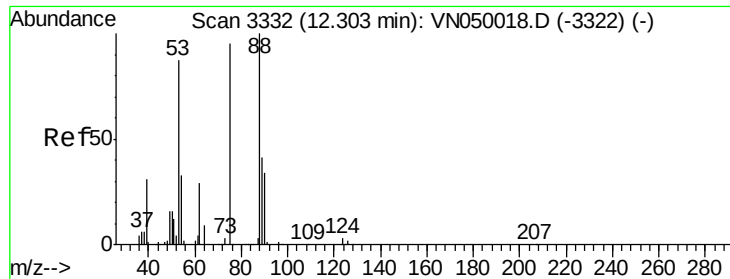
#80
1,3,5-Trimethylbenzene
Concen: 21.17 ug/l
RT: 12.73 min Scan# 3466
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion: 105 Resp: 586776
Ion Ratio Lower Upper
105 100
120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)
Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)





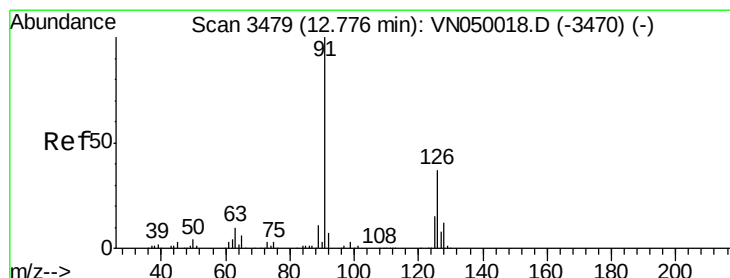
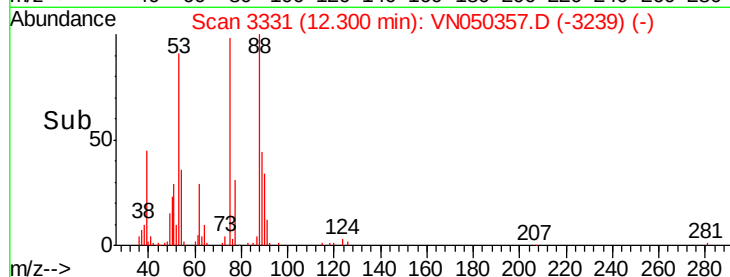
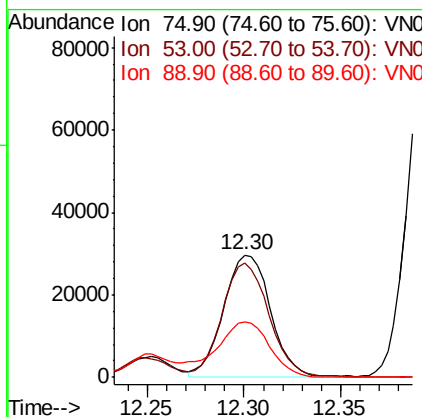
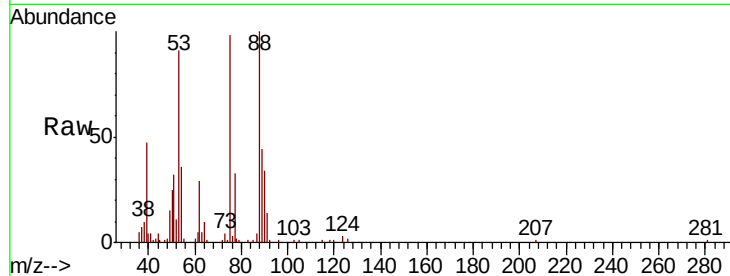
#81
trans-1,4-Dichloro-2-butene
Concen: 18.49 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.8	73.5	110.3
89	50.2	36.0	54.0

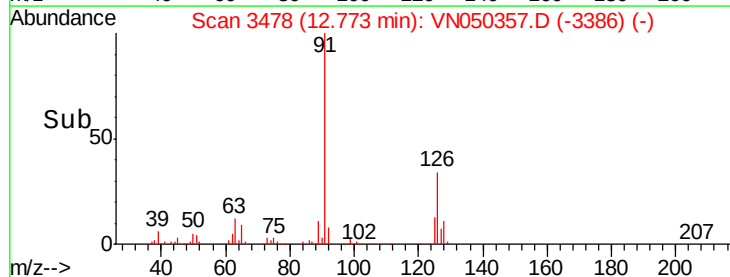
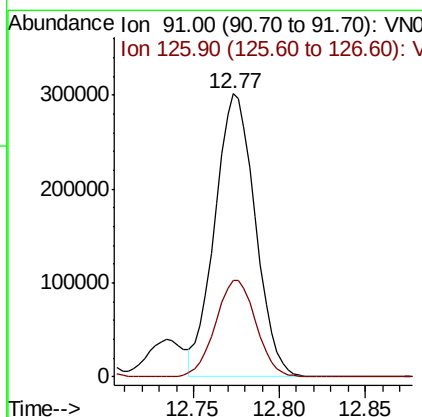
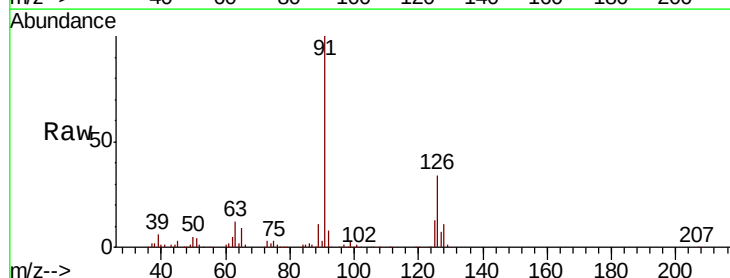
Manual Integrations
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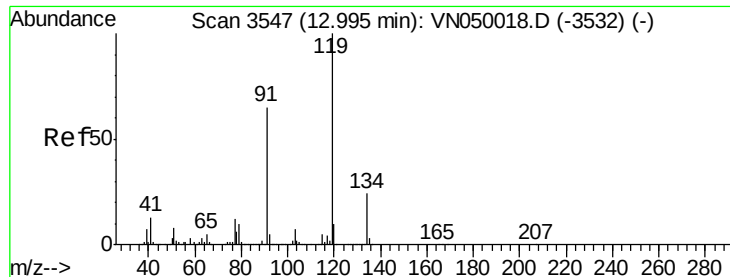
MMDadoda
8/6/2018 11:39:53 AM



#82
4-Chlorotoluene
Concen: 20.43 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	51.0





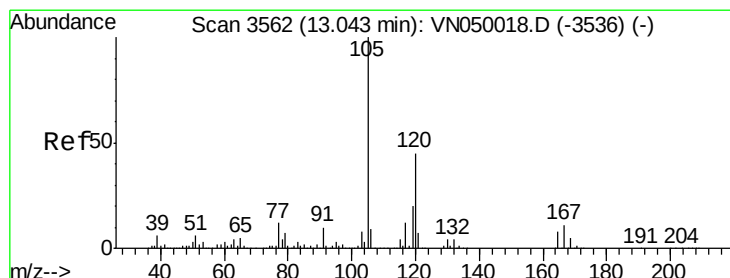
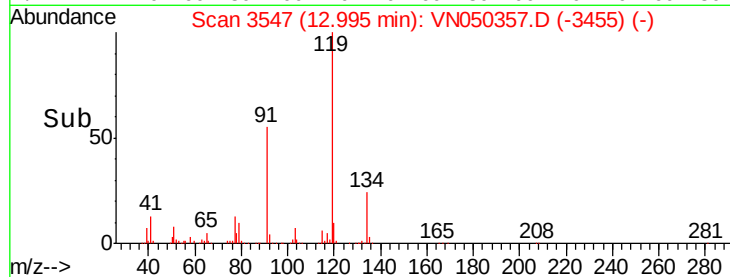
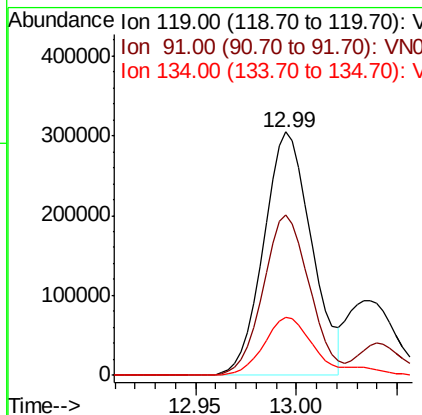
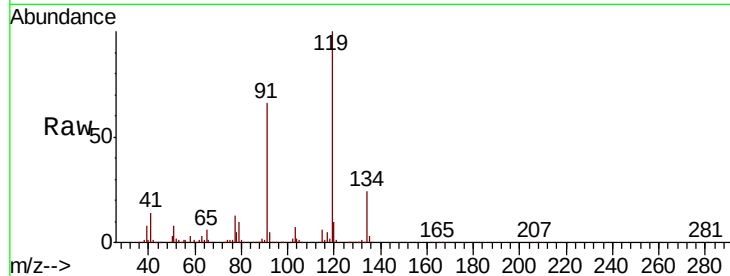
#83
 tert-Butylbenzene
 Concen: 20.82 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.3
134	23.9	13.2	39.5

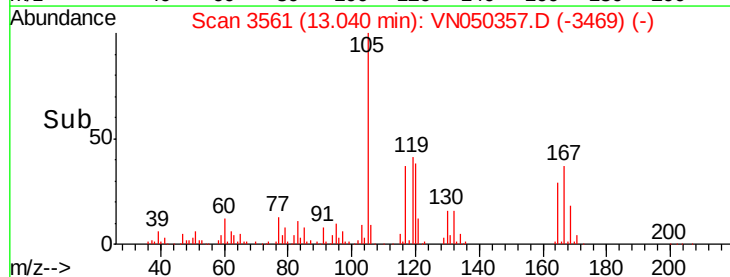
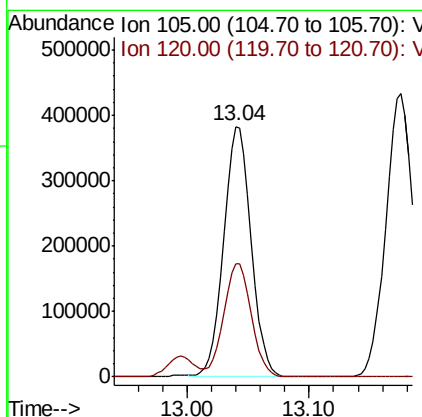
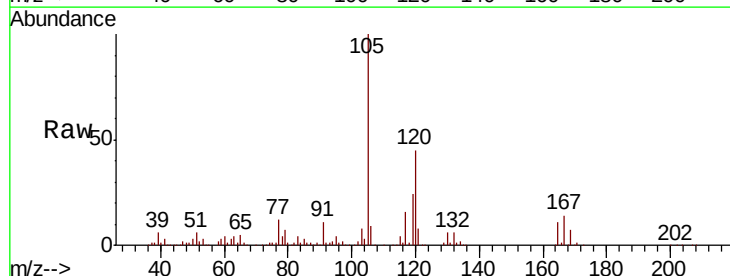
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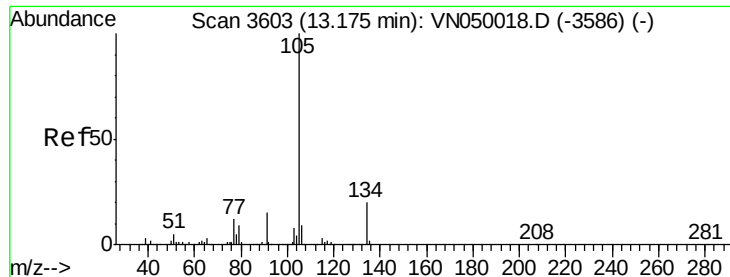
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 8/6/2018 11:39:53 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.58 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.21 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0804WBS01

Tot Ion:105 Resp: 685616

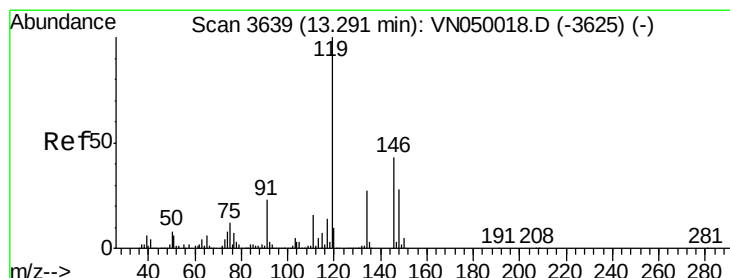
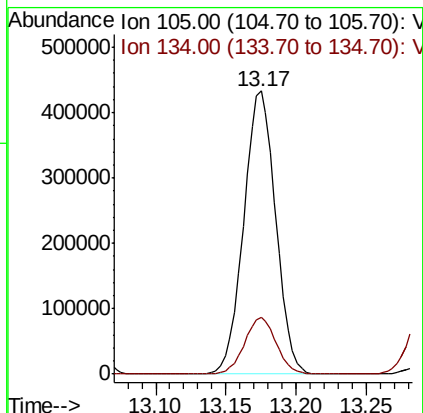
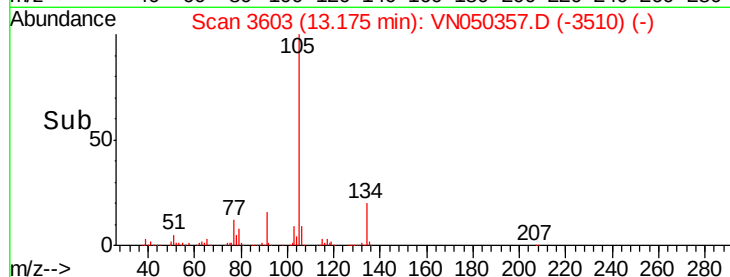
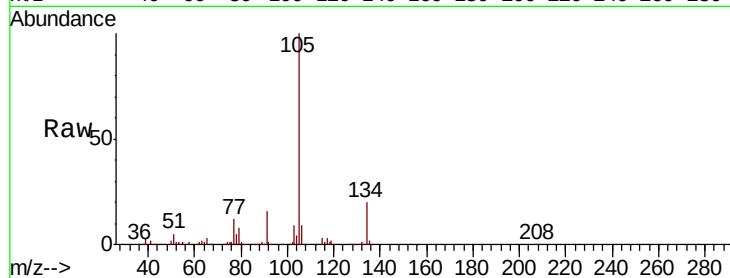
Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.1

Manual Integrations
APPROVED

MMDadoda
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#86

p-Isopropyltoluene

Concen: 21.78 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

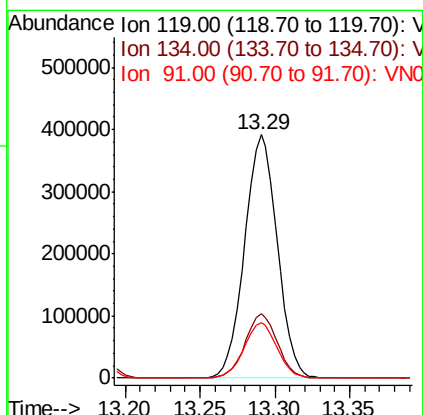
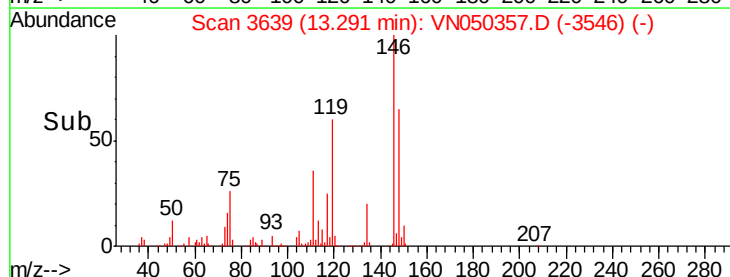
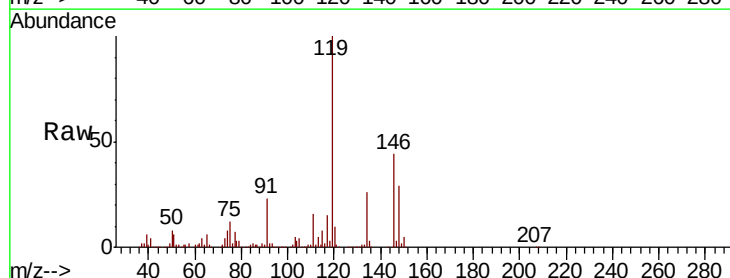
Tgt Ion:119 Resp: 593308

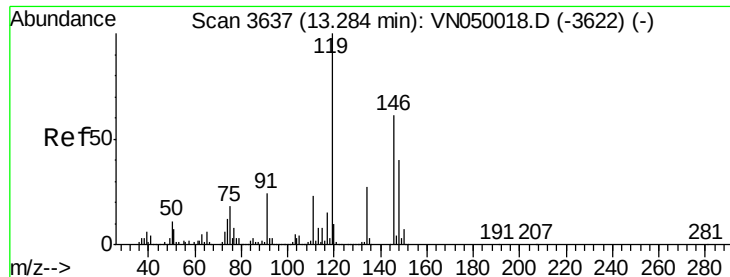
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.8 11.4 34.2





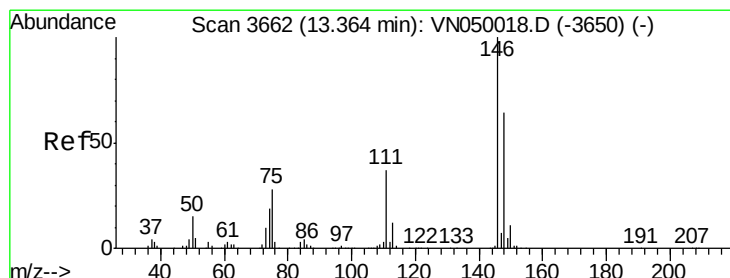
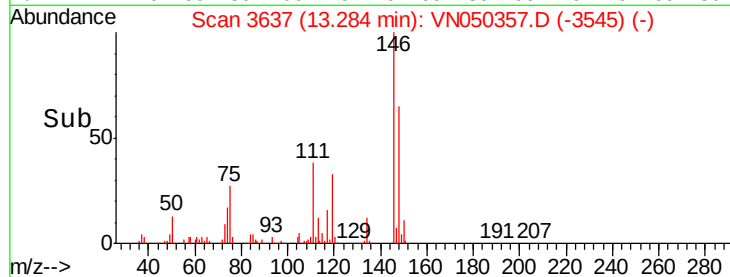
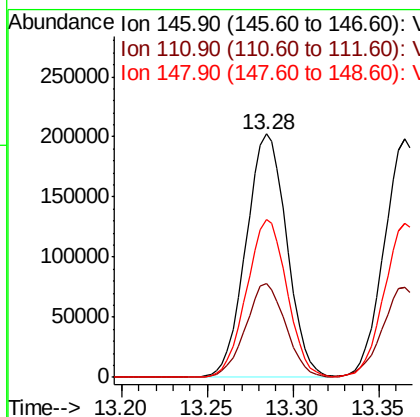
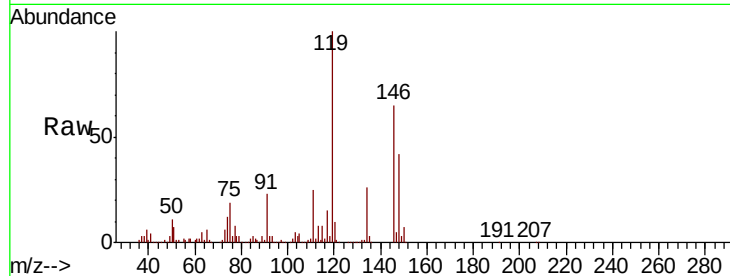
#87
 1,3-Dichlorobenzene
 Concen: 20.05 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	332009		
111	37.8	18.8	56.4	
148	64.3	31.9	95.9	

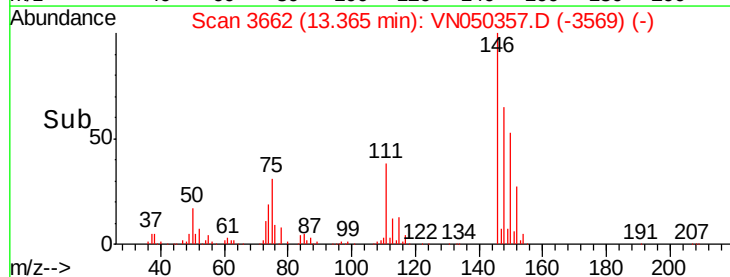
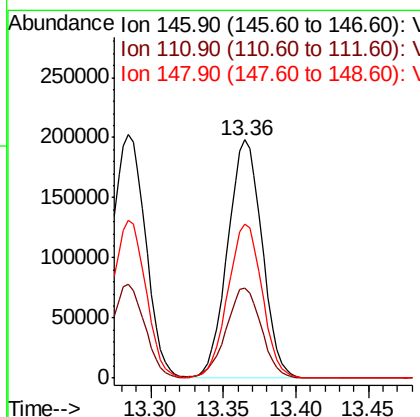
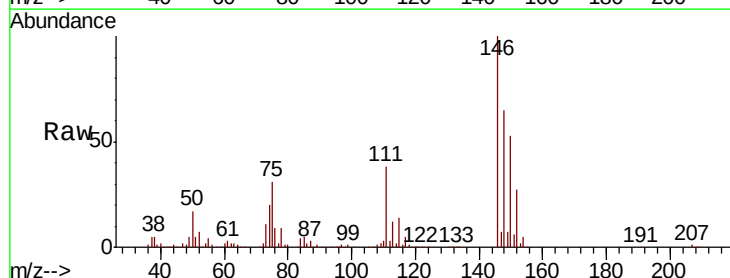
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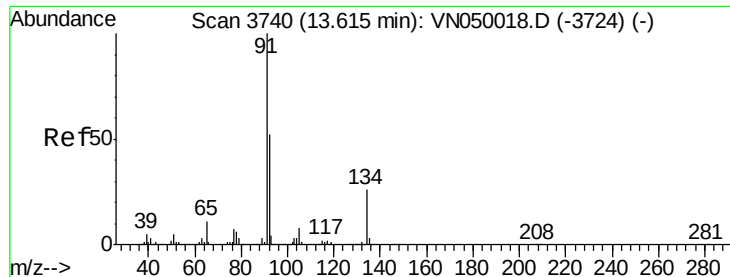
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	325529		
111	38.8	18.3	54.9	
148	64.5	31.9	95.9	





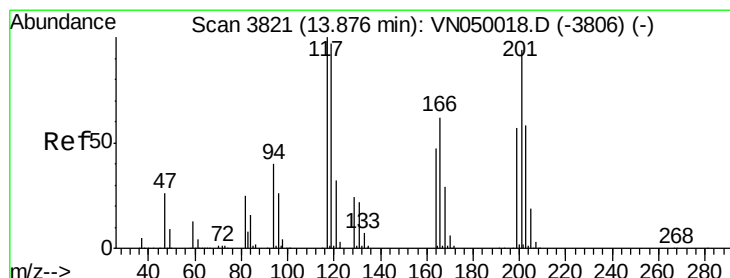
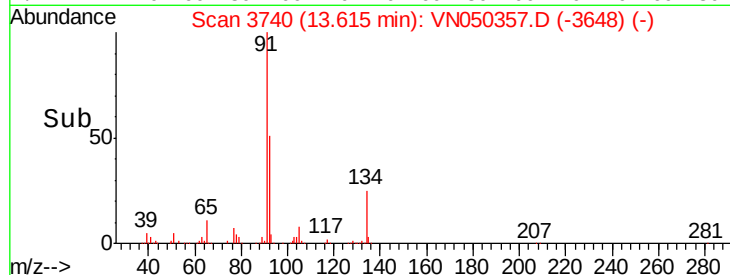
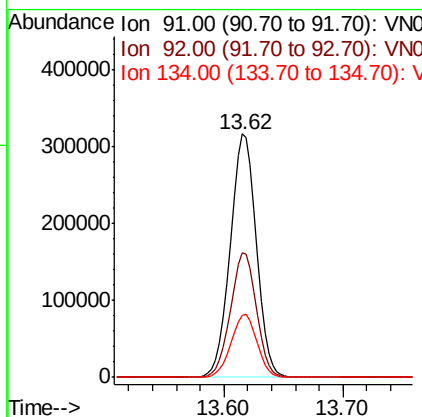
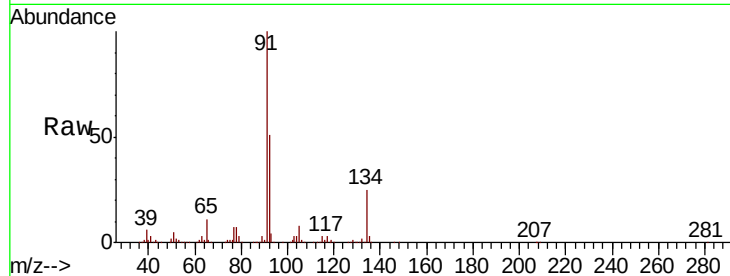
#89
n-Butylbenzene
Concen: 21.43 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.8	77.4
134	25.6	12.8	38.4

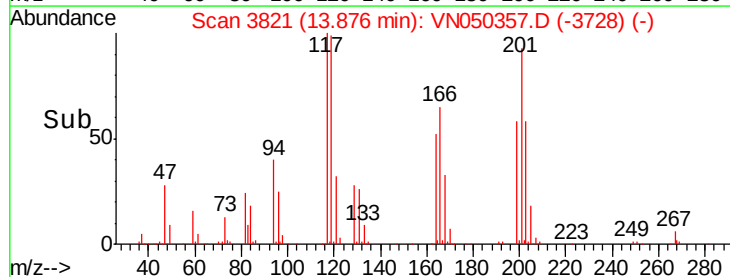
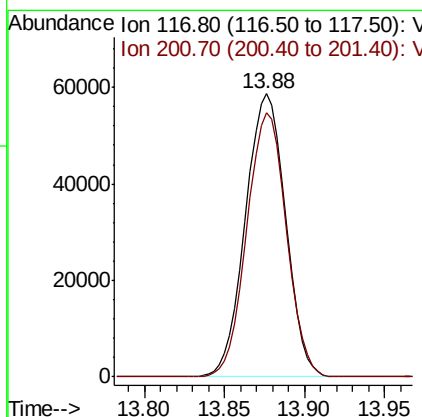
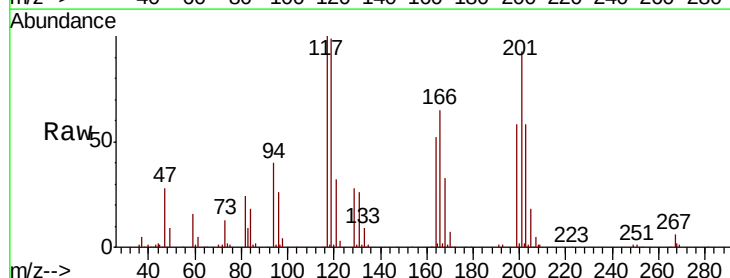
Manual Integrations
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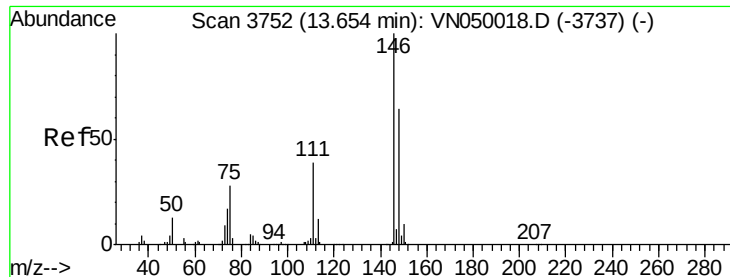
MMDadoda
8/6/2018 11:39:53 AM



#90
Hexachloroethane
Concen: 16.68 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.7	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 19.73 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Instrument :

MSVOA_N

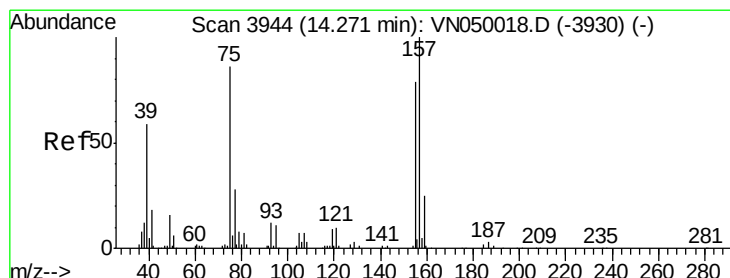
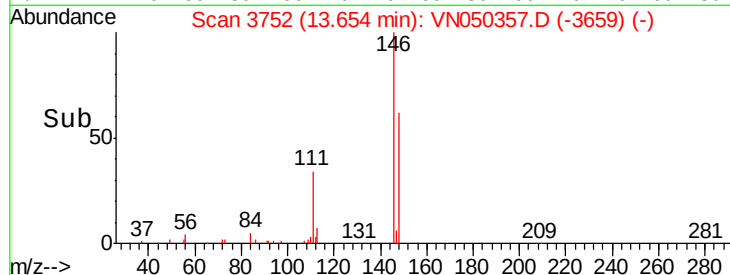
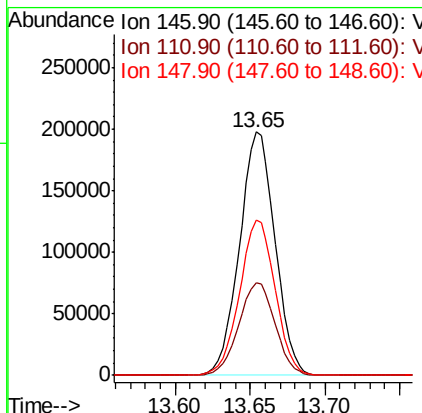
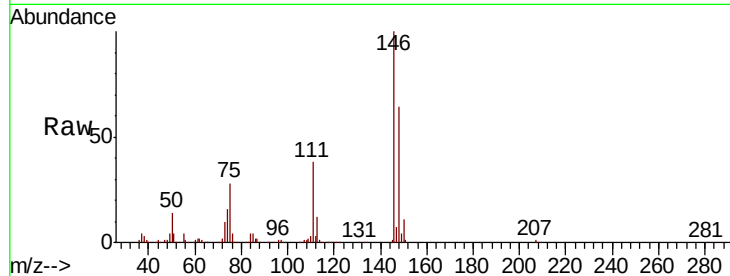
ClientSampled :

VN0804WBS01

Tot Ion:	146	Resp:	326563
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.6	58.7
148	63.7	32.1	96.3

Manual Integrations
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MMDadoda
8/6/2018 11:39:53 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.56 ug/l

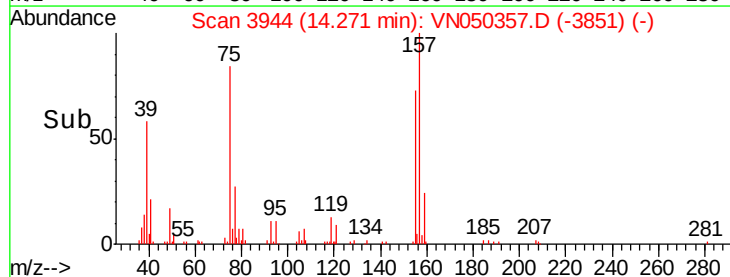
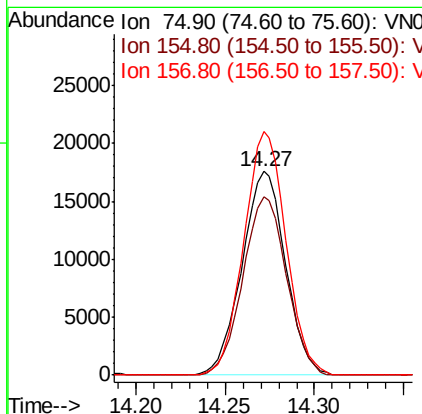
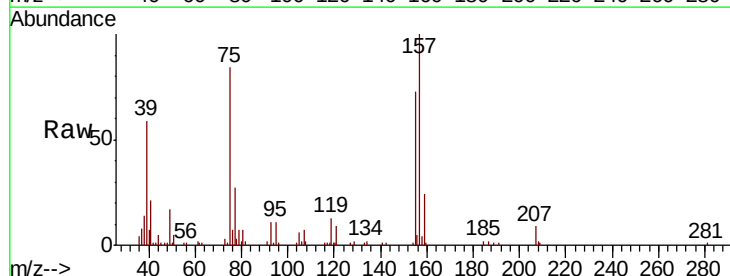
RT: 14.27 min Scan# 3944

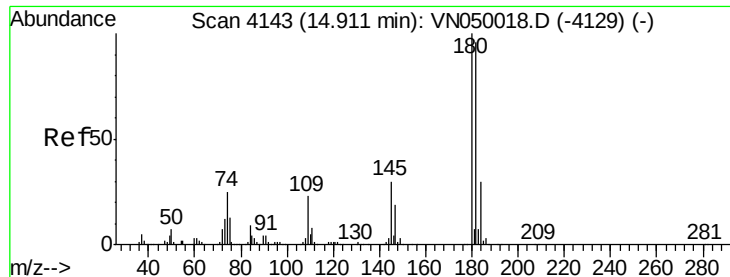
Delta R.T. 0.00 min

Lab File: VN050357.D

Acq: 4 Aug 2018 11:11

Tgt Ion:	75	Resp:	29951
Ion Ratio	Lower	Upper	
75	100		
155	87.7	44.8	134.4
157	115.5	57.2	171.6





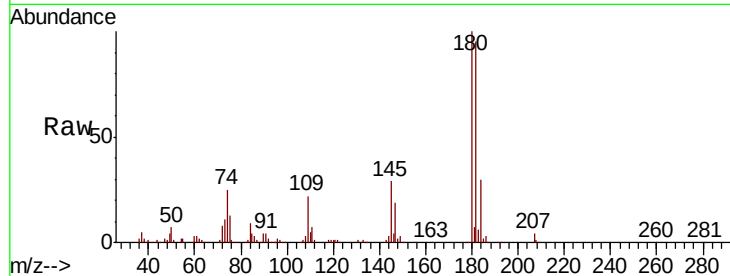
#93
 1,2,4-Trichlorobenzene
 Concen: 21.04 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBS01

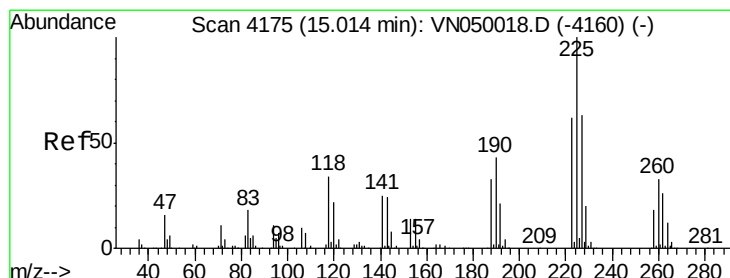
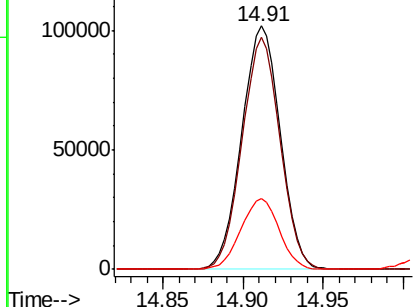
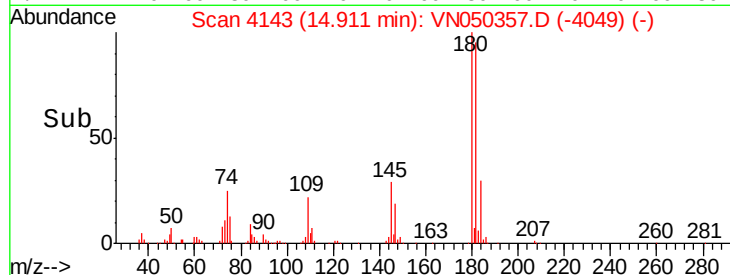
Tot Ion	Ratio	Resp	Lower	Upper
180	100	167947		
182	93.8	46.7	140.1	
145	28.9	13.8	41.4	

Manual Integrations
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MMDadoda
 8/6/2018 11:39:53 AM

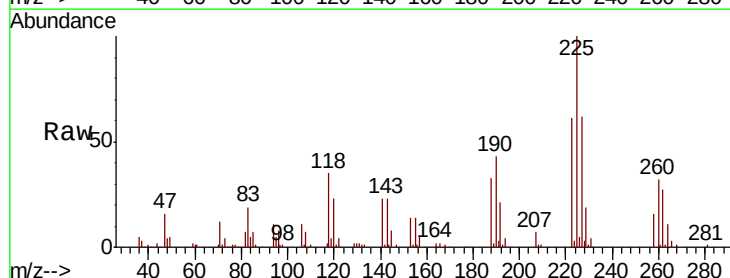


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

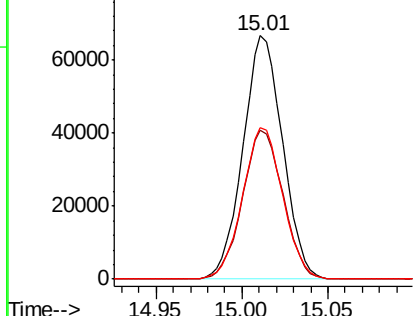
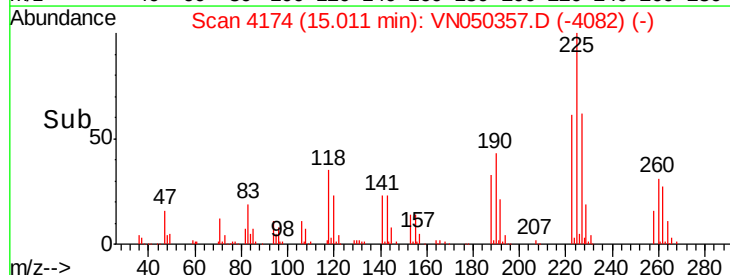


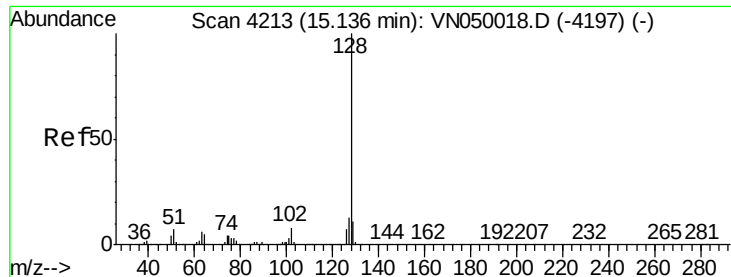
#94
 Hexachlorobutadiene
 Concen: 21.05 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050357.D
 Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106654		
223	62.1	31.4	94.2	
227	63.2	32.1	96.5	



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





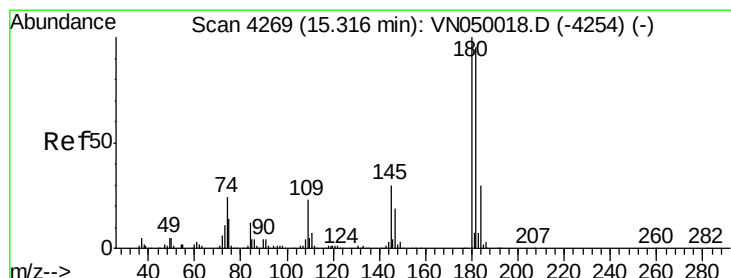
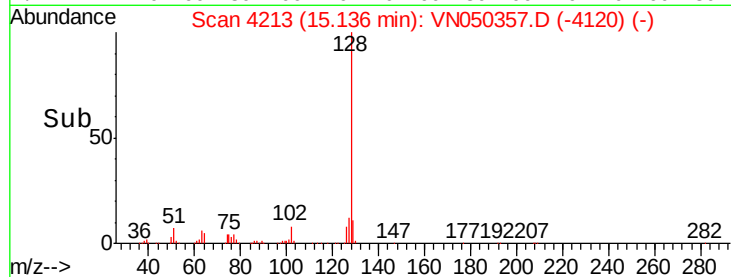
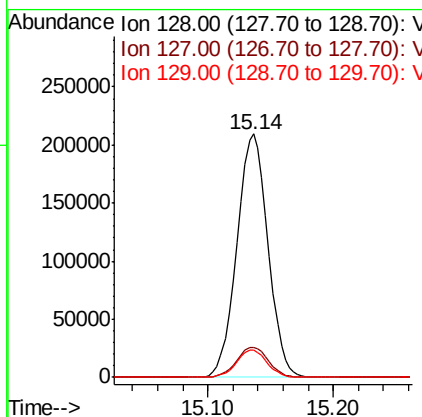
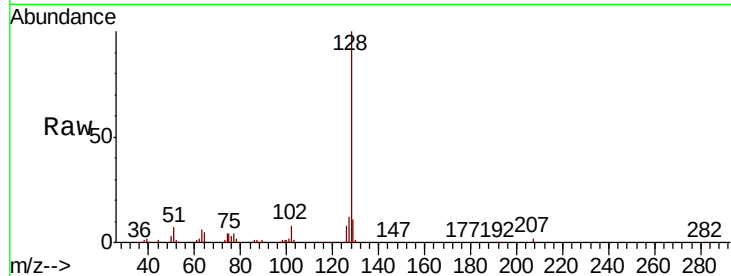
#95
Naphthalene
Concen: 20.24 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0804WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	360188		
127	12.7	10.4	15.6	
129	11.0	8.8	13.2	

Manual Integrations
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8/6/2018 11:39:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.78 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050357.D
Acq: 4 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	166182		
182	96.7	48.1	144.4	
145	30.0	15.3	45.9	

