

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050980.D
 Acq On : 31 Aug 2018 11:58
 Operator : MD\SY
 Sample : VN0831WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:27:49 PM

Quant Time: Aug 31 14:28:31 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	588434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	822117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	738513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	358921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	343781	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
35) Dibromofluoromethane	7.59	113	337406	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.09	98	1246228	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	397279	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	147190	18.69	ug/l	99
3) Chloromethane	2.06	50	163197	16.80	ug/l	99
4) Vinyl Chloride	2.18	62	164090	17.83	ug/l	100
5) Bromomethane	2.57	94	95991	17.67	ug/l	100
6) Chloroethane	2.70	64	97236	18.29	ug/l	98
7) Trichlorofluoromethane	3.01	101	222213	18.86	ug/l	100
8) Diethyl Ether	3.41	74	73307	18.30	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140479	19.08	ug/l	98
10) Methyl Iodide	3.95	142	101723	20.09	ug/l	100
11) Tert butyl alcohol	4.79	59	39345	87.22	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	119893	18.14	ug/l	97
13) Acrolein	3.61	56	12644	62.47	ug/l	95
14) Allyl chloride	4.32	41	185902	18.05	ug/l	98
15) Acrylonitrile	4.99	53	204802	89.34	ug/l	100
16) Acetone	3.82	43	150729	85.20	ug/l	96
17) Carbon Disulfide	4.05	76	352402	15.91	ug/l	99
18) Methyl Acetate	4.33	43	133465	19.95	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	308571	18.56	ug/l	99
20) Methylene Chloride	4.55	84	144864	18.14	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	129431	18.11	ug/l	97
22) Diisopropyl ether	5.95	45	396199	19.30	ug/l	98
23) Vinyl Acetate	5.90	43	1137465	86.06	ug/l	100
24) 1,1-Dichloroethane	5.85	63	244832	18.58	ug/l	100
25) 2-Butanone	6.84	43	219775	76.99	ug/l	100
26) 2,2-Dichloropropane	6.83	77	190536	18.00	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	145179	18.84	ug/l	98
28) Bromochloromethane	7.19	49	108150	19.32	ug/l	99
29) Tetrahydrofuran	7.21	42	146770	89.67	ug/l	98
30) Chloroform	7.37	83	247723	18.99	ug/l	100
31) Cyclohexane	7.65	56	210078	17.84	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	211923	18.91	ug/l	99
36) 1,1-Dichloropropene	7.79	75	183917	18.96	ug/l	99
37) Ethyl Acetate	6.93	43	100095	17.96	ug/l	99
38) Carbon Tetrachloride	7.77	117	188503	19.22	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	191533	18.25	ug/l	98
40) Benzene	8.04	78	562721	19.24	ug/l	100
41) Methacrylonitrile	7.17	41	51007	16.91	ug/l	94
42) 1,2-Dichloroethane	8.12	62	168412	19.26	ug/l	99
43) Isopropyl Acetate	8.17	43	181532	18.95	ug/l	98
44) Trichloroethene	8.84	130	149392	19.36	ug/l	99
45) 1,2-Dichloropropane	9.12	63	147819	19.23	ug/l	100
46) Dibromomethane	9.21	93	85634	18.96	ug/l	98
47) Bromodichloromethane	9.40	83	186555	19.72	ug/l	99
48) Methyl methacrylate	9.20	41	86301	17.67	ug/l	98
49) 1,4-Dioxane	9.20	88	24403	366.58	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	505370	88.38	ug/l	100
52) Toluene	10.16	92	348687	20.12	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	175563	18.64	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	205721	19.07	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	125378	19.49	ug/l	99
56) Ethyl methacrylate	10.43	69	133657	17.57	ug/l	98
57) 1,3-Dichloropropane	10.71	76	203404	19.16	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	280978	85.42	ug/l	100
59) 2-Hexanone	10.75	43	309896	81.41	ug/l	100
60) Dibromochloromethane	10.90	129	141562	19.66	ug/l	99
61) 1,2-Dibromoethane	11.01	107	117956	18.96	ug/l	100
64) Tetrachloroethene	10.63	164	139327	19.86	ug/l	98
65) Chlorobenzene	11.43	112	373399	19.34	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	143233	20.28	ug/l	100
67) Ethyl Benzene	11.51	91	609798	19.43	ug/l	99
68) m/p-Xylenes	11.62	106	482862	40.54	ug/l	99
69) o-Xylene	11.95	106	229523	20.04	ug/l	98
70) Styrene	11.96	104	356024	18.46	ug/l	99
71) Bromoform	12.13	173	93585	19.27	ug/l #	100
73) Isopropylbenzene	12.25	105	611280	20.57	ug/l	99
74) N-amyl acetate	12.07	43	129818	17.38	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	150511	20.27	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	120668m	19.19	ug/l	
77) Bromobenzene	12.53	156	159002	19.69	ug/l	95
78) n-propylbenzene	12.59	91	680627	20.50	ug/l	99
79) 2-Chlorotoluene	12.67	91	415493	20.09	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	504876	21.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32929	17.71	ug/l	95
82) 4-Chlorotoluene	12.77	91	413215	20.24	ug/l	100
83) tert-Butylbenzene	12.99	119	428685	20.64	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	500209	20.74	ug/l	100
85) sec-Butylbenzene	13.17	105	563243	20.70	ug/l	99
86) p-Isopropyltoluene	13.29	119	485856	20.95	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	266783	19.46	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251306	18.63	ug/l	99
89) n-Butylbenzene	13.62	91	352382	19.00	ug/l	98
90) Hexachloroethane	13.88	117	93756	21.32	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	253619	19.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18418	17.26	ug/l	100

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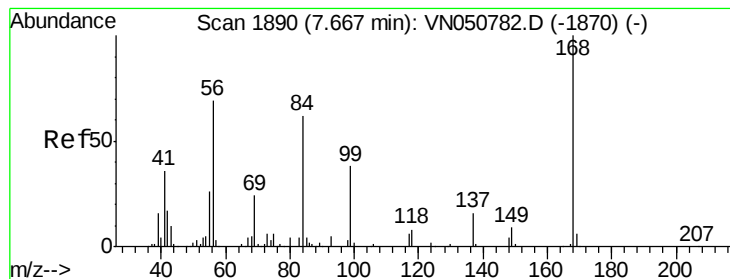
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91189	16.26	ug/l	100
94) Hexachlorobutadiene	15.01	225	82650	20.42	ug/l	99
95) Naphthalene	15.14	128	158415	15.25	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	95649	17.15	ug/l	100

(#) = 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: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

Tot Ion:168 Resp: 588434

Ion Ratio Lower Upper

168 100

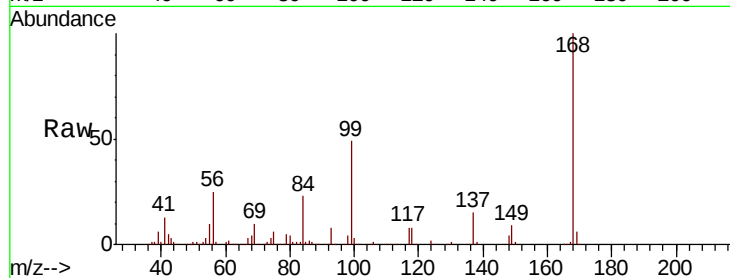
99 48.3 39.6 59.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

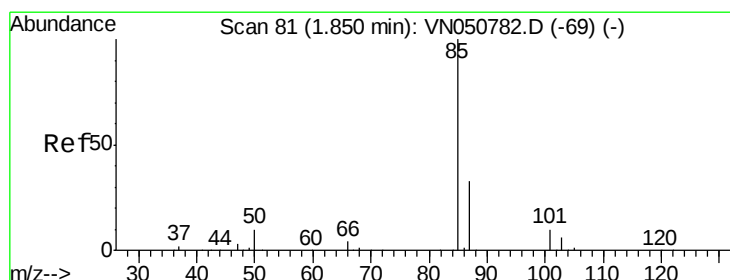
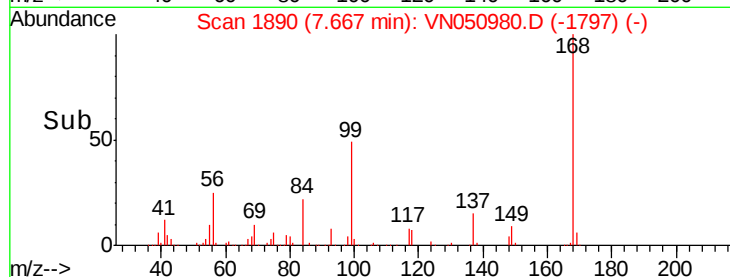
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.69 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050980.D

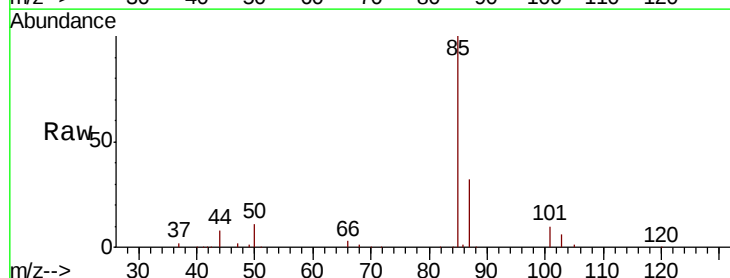
Acq: 31 Aug 2018 11:58

Tgt Ion: 85 Resp: 147190

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

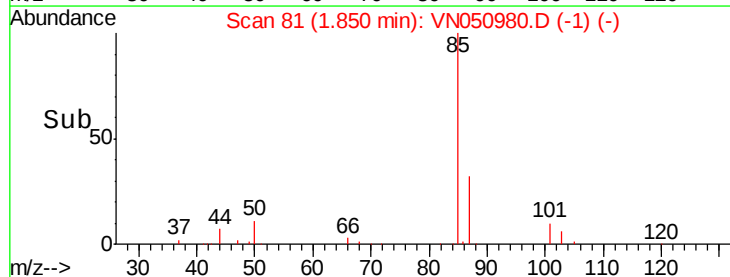
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.80 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

Tot Ion: 50 Resp: 163197

Ion Ratio Lower Upper

50 100

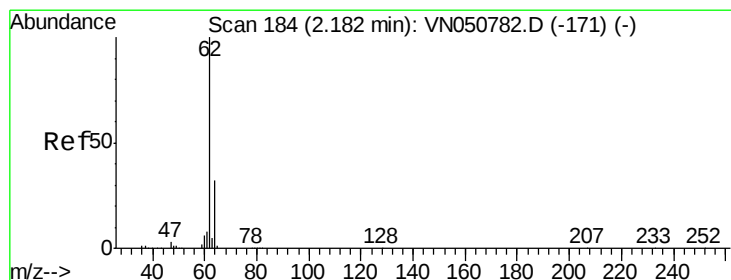
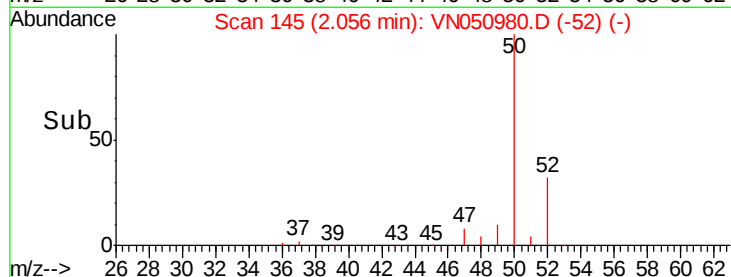
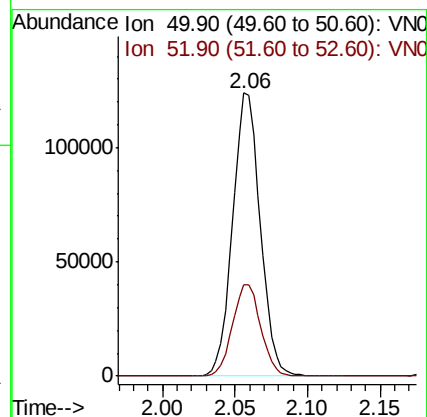
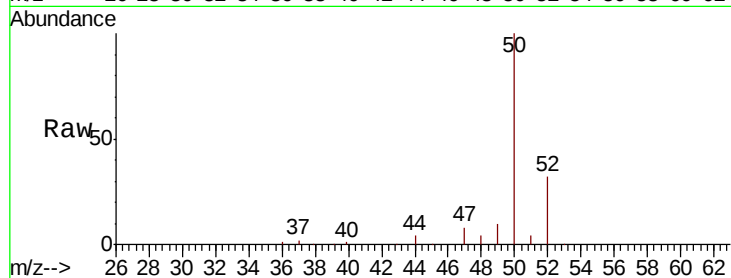
52 32.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.83 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050980.D

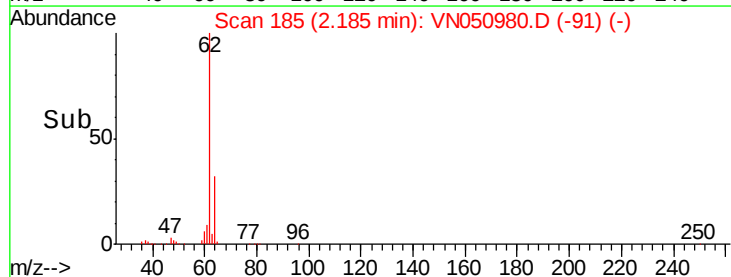
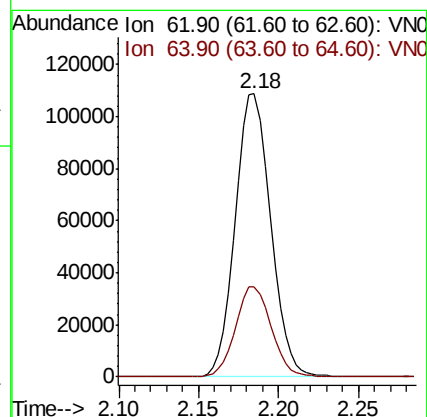
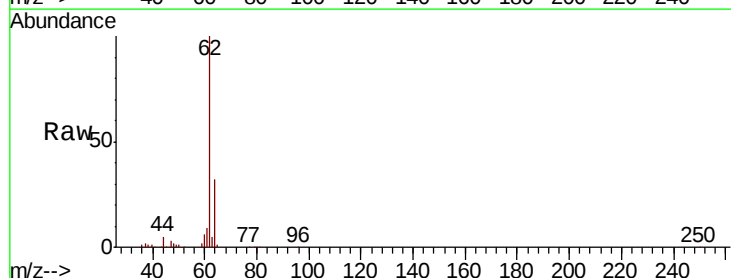
Acq: 31 Aug 2018 11:58

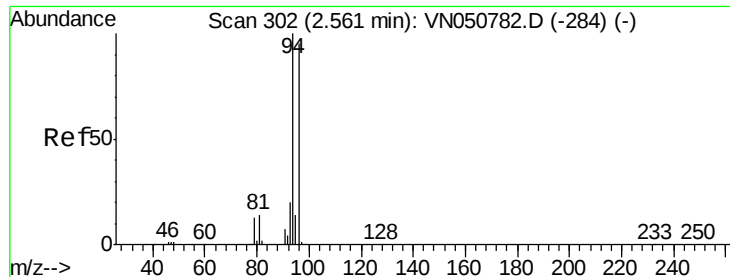
Tgt Ion: 62 Resp: 164090

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 17.67 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

Tot Ion: 94 Resp: 95991

Ion Ratio Lower Upper

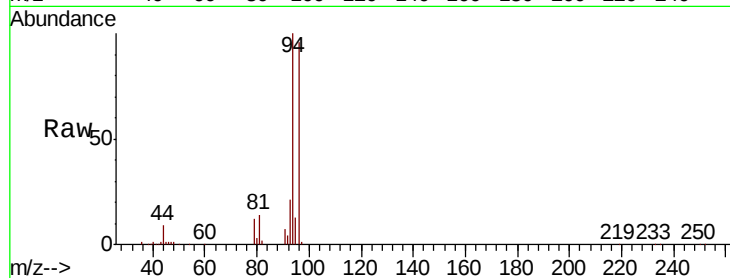
94 100

96 95.7 76.2 114.2

Manual Integrations
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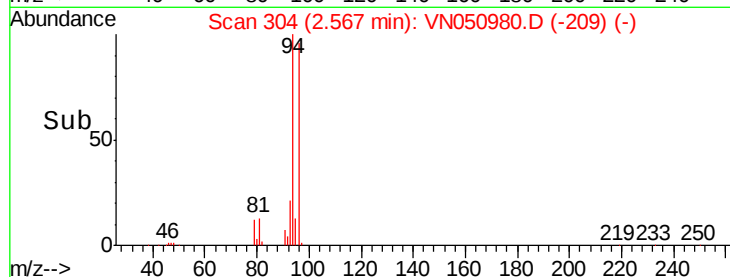


Abundance Ion 93.90 (93.60 to 94.60): VN050980.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN050980.D (-209) (-)

2.57

Time-->



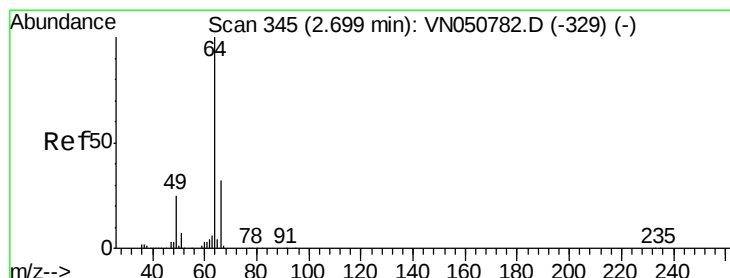
Abundance

Ion 93.90 (93.60 to 94.60): VN050980.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN050980.D (-209) (-)

2.57

Time-->



#6

Chloroethane

Concen: 18.29 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050980.D

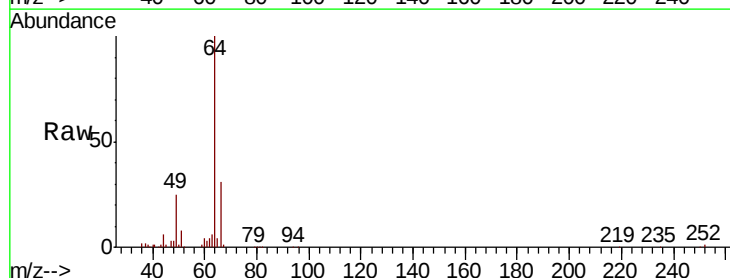
Acq: 31 Aug 2018 11:58

Tgt Ion: 64 Resp: 97236

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9

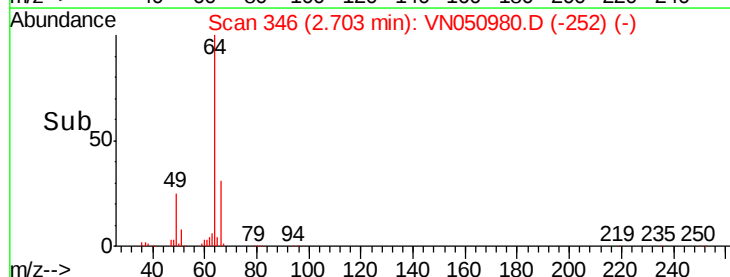


Abundance Ion 63.90 (63.60 to 64.60): VN050980.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN050980.D (-252) (-)

2.70

Time-->



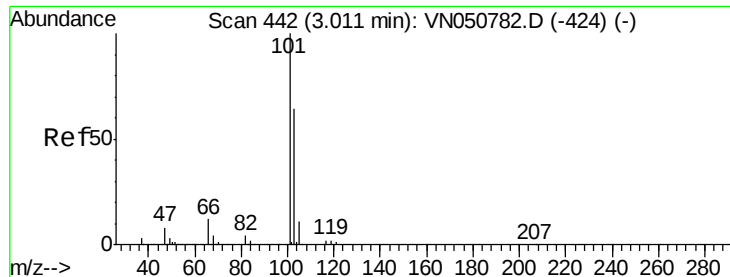
Abundance

Ion 63.90 (63.60 to 64.60): VN050980.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN050980.D (-252) (-)

2.70

Time-->



#7

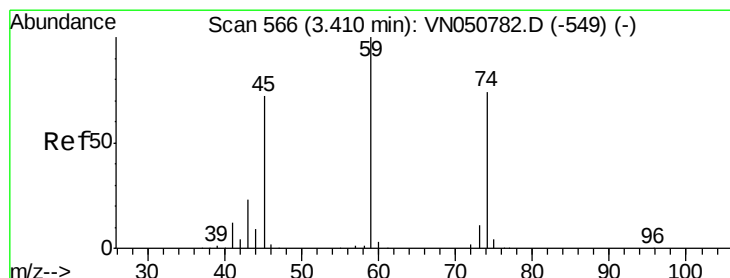
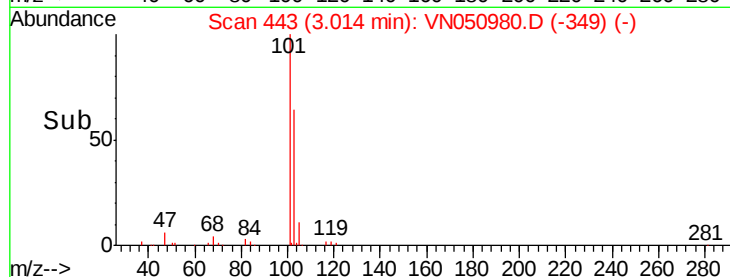
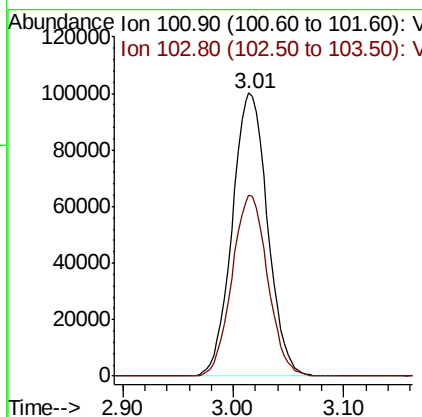
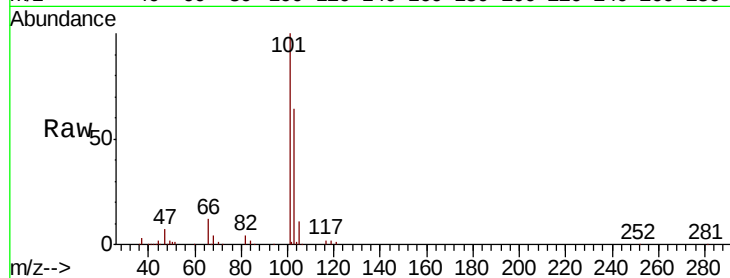
Trichlorofluoromethane
Concen: 18.86 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		222213		
103	64.1	51.6	77.4		

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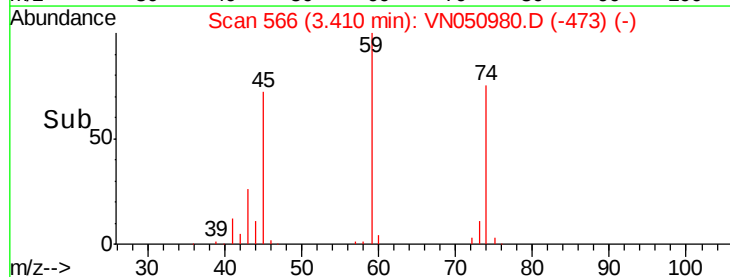
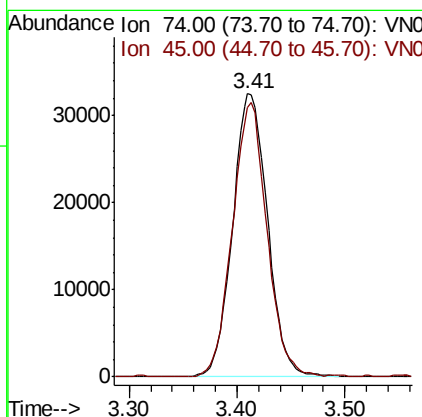
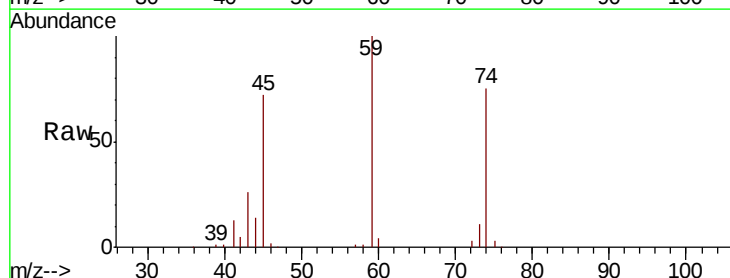
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#8

Diethyl Ether
Concen: 18.30 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		73307		
45	95.9	48.2	144.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.08 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

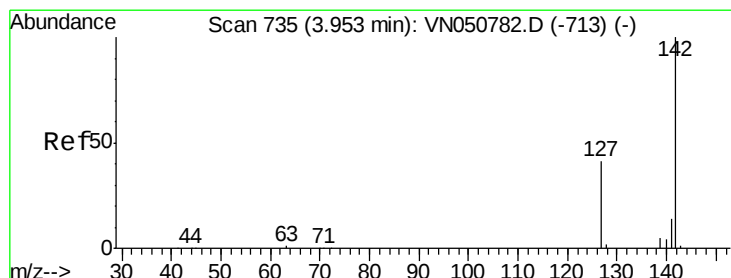
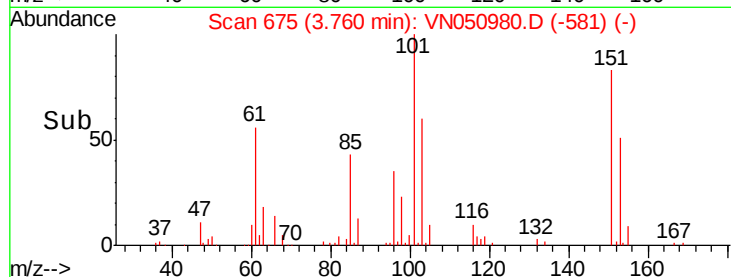
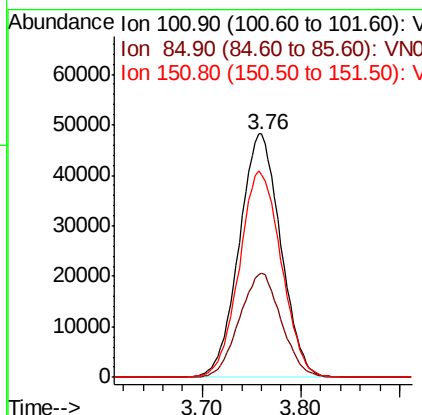
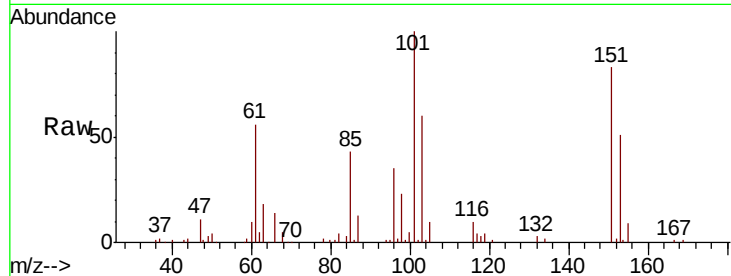
ClientSampleId :

VN0831WBS01

Tot Ion:	101	Resp:	140479
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.7	50.5
151	85.8	67.4	101.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.09 ug/l

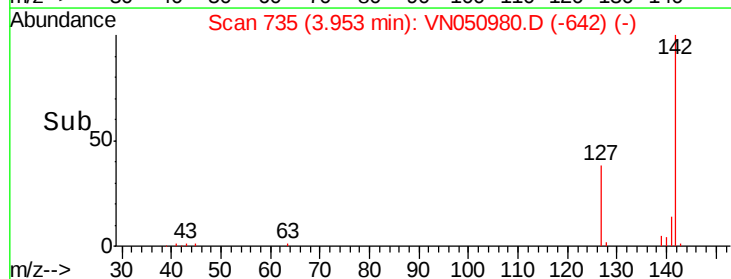
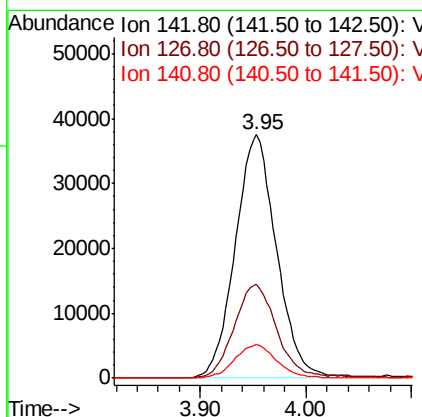
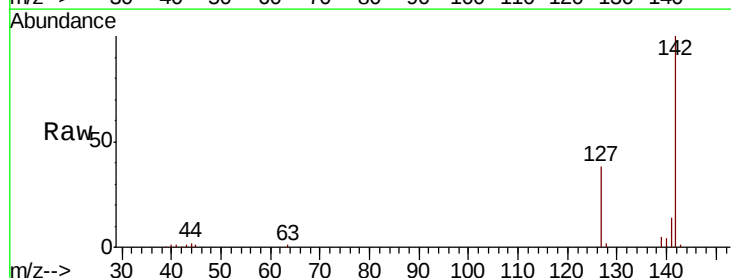
RT: 3.95 min Scan# 735

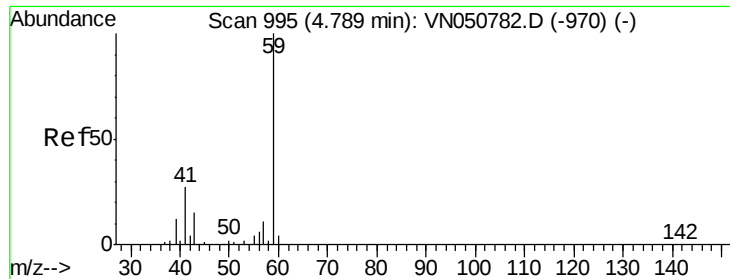
Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion:	142	Resp:	101723
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.7	47.5
141	13.9	11.4	17.0





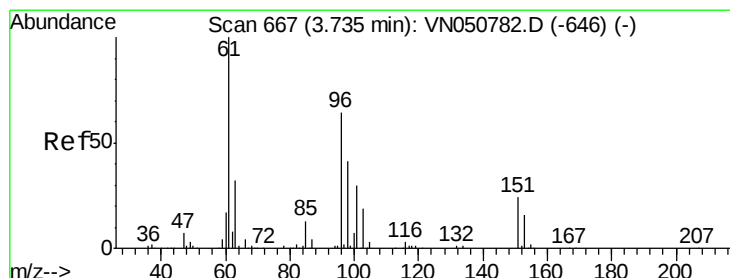
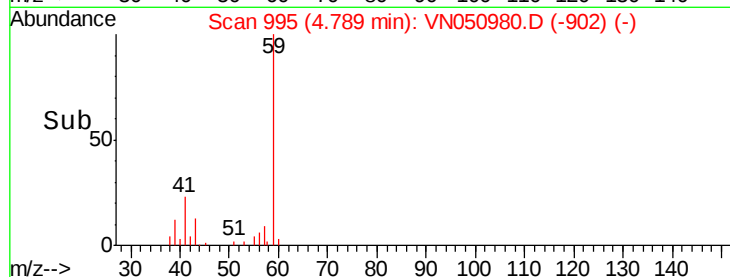
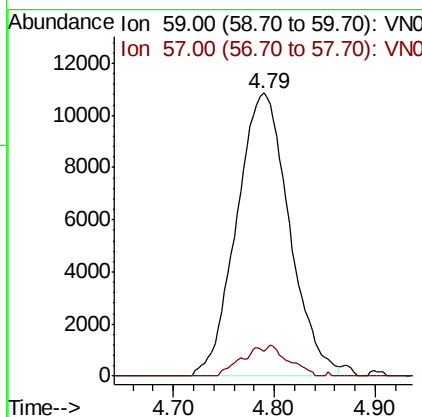
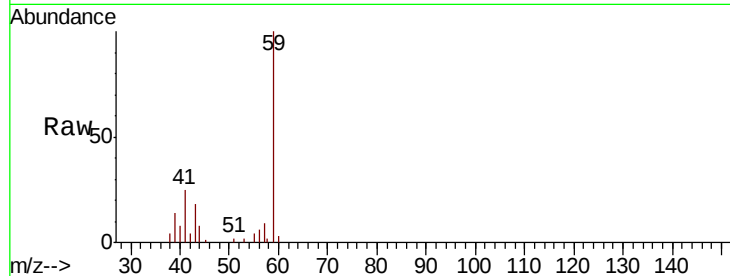
#11
Tert butyl alcohol
Concen: 87.22 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

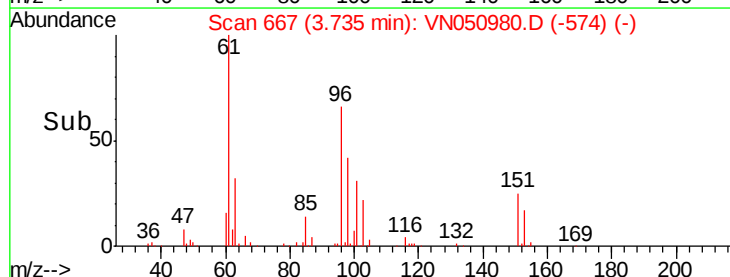
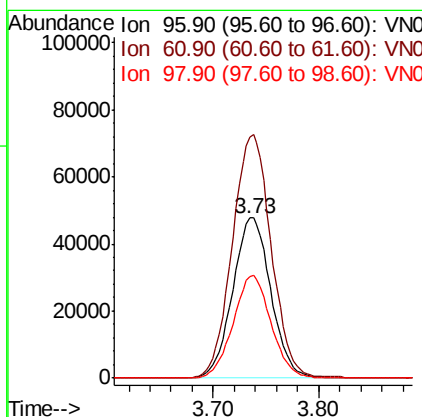
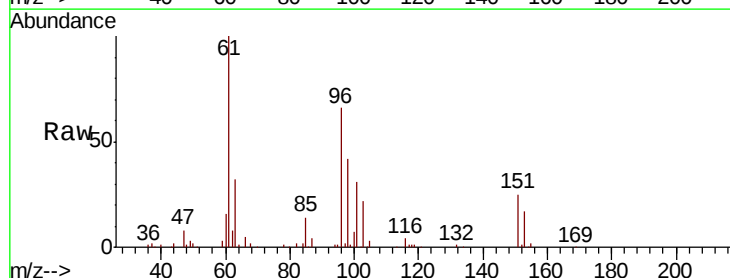
Manual Integrations
APPROVED

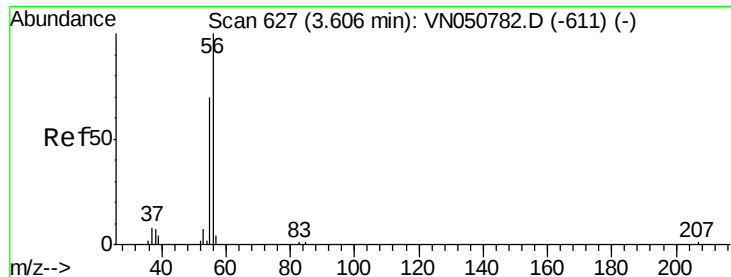
MMDadoda
9/4/2018 12:27:49 PM



#12
1,1-Dichloroethene
Concen: 18.14 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	124.9	187.3
98	63.7	51.1	76.7





#13

Acrolein

Concen: 62.47 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

Tot Ion: 56 Resp: 12644

Ion Ratio Lower Upper

56 100

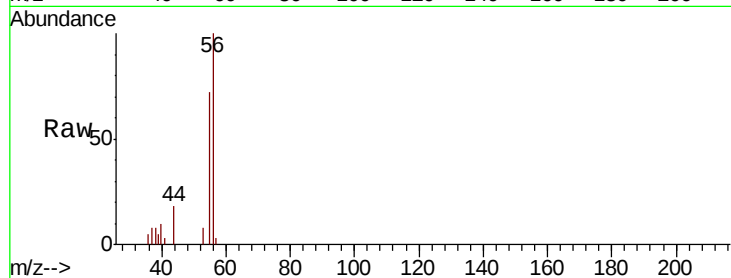
55 68.3 57.7 86.5

Manual Integrations

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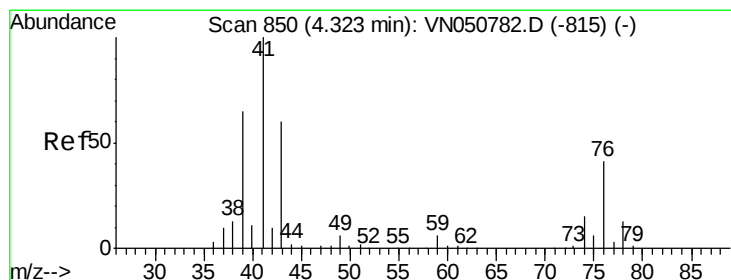
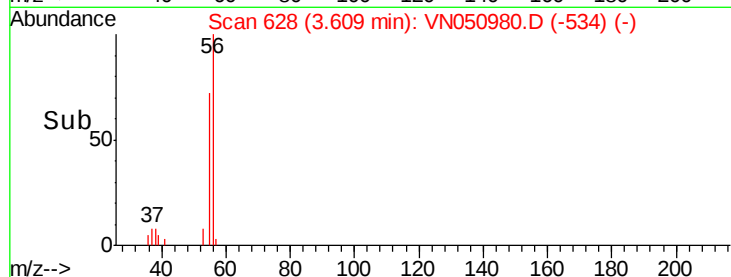
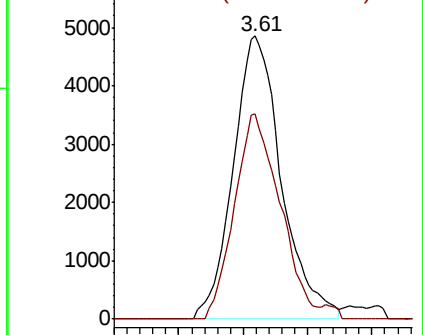
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.05 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

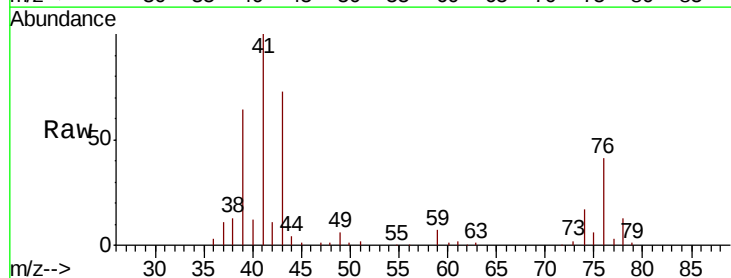
Tgt Ion: 41 Resp: 185902

Ion Ratio Lower Upper

41 100

39 61.0 50.2 75.2

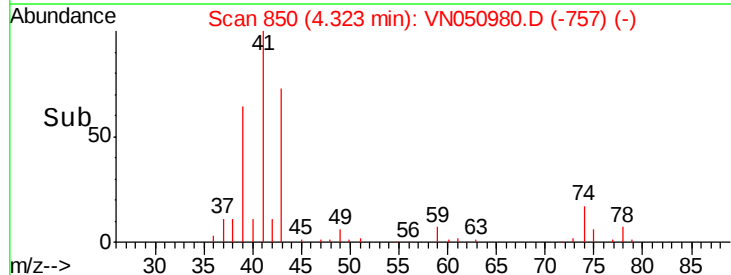
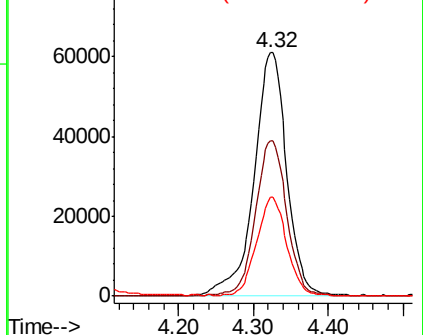
76 37.6 29.8 44.8

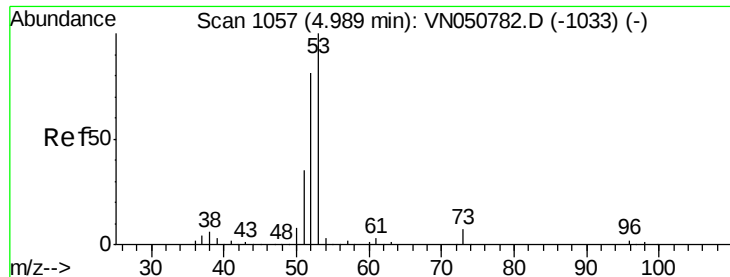


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 89.34 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

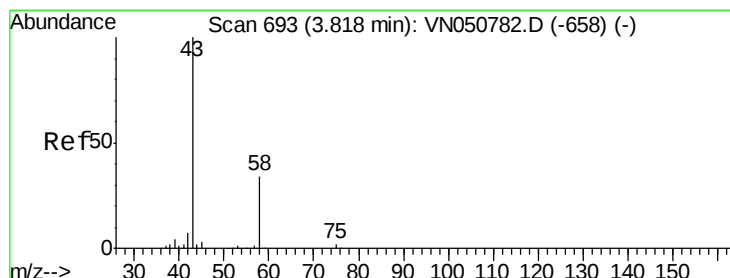
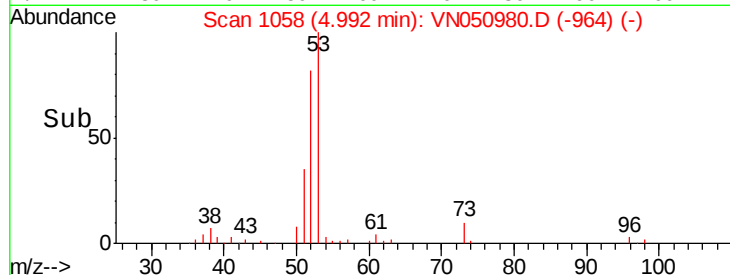
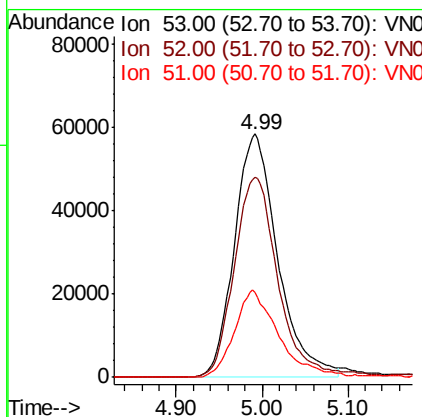
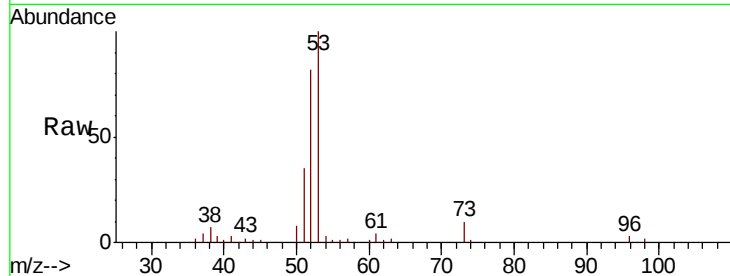
ClientSampleId :

VN0831WBS01

Tot Ion:	53	Resp:	204802
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.9	98.9
51	36.4	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 85.20 ug/l

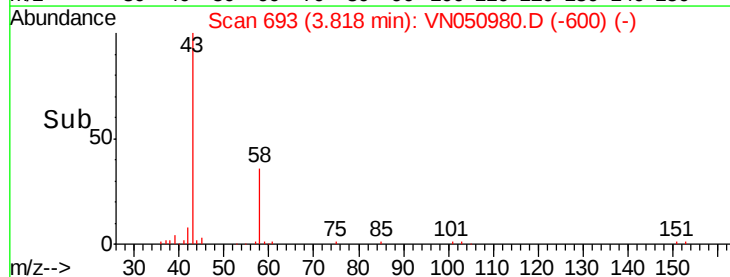
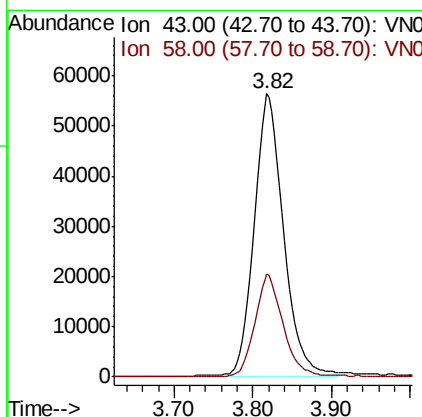
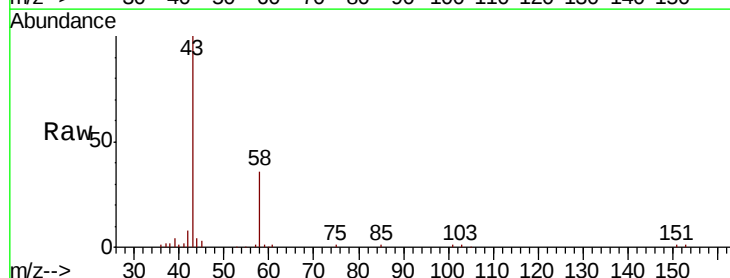
RT: 3.82 min Scan# 693

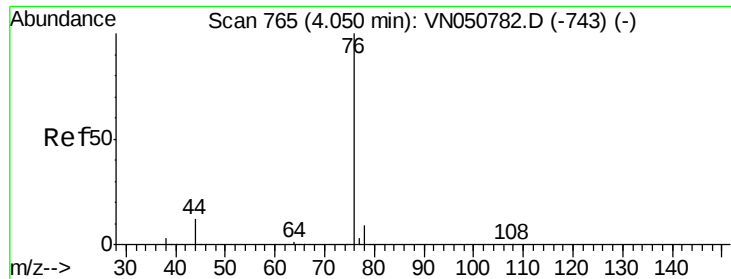
Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion:	43	Resp:	150729
Ion Ratio	Lower	Upper	
43	100		
58	36.3	27.2	40.8





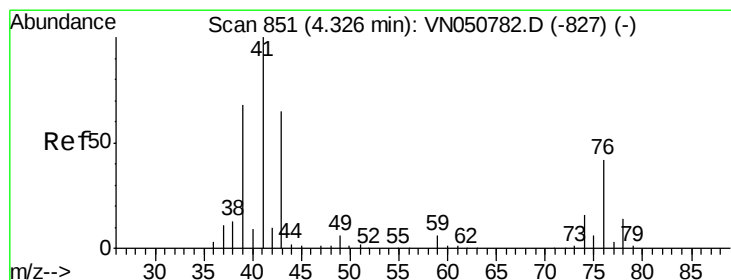
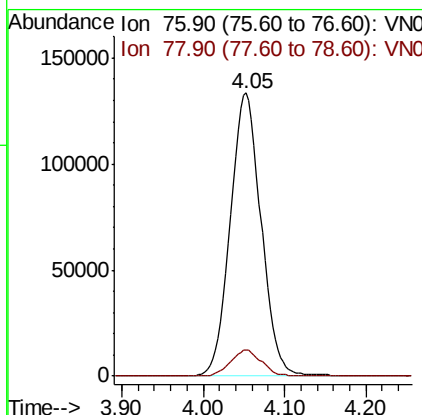
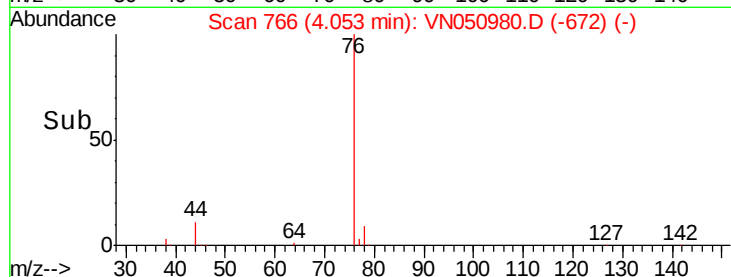
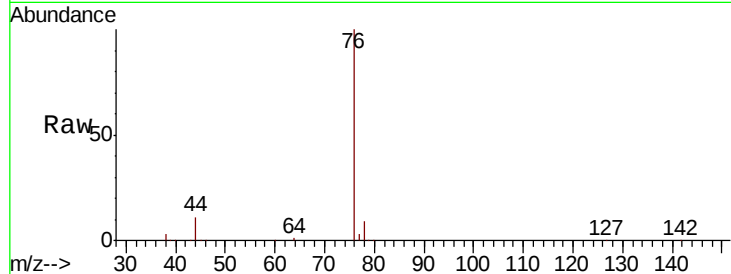
#17
Carbon Disulfide
Concen: 15.91 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

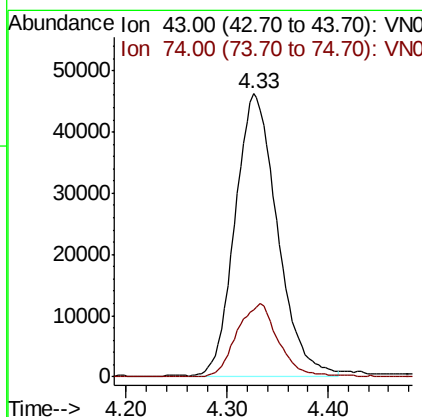
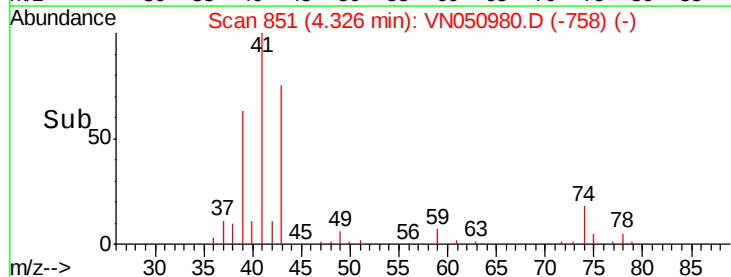
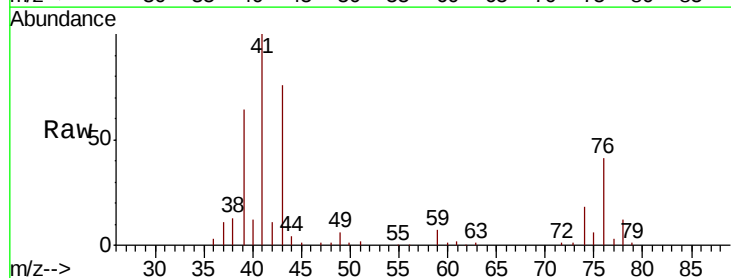
Manual Integrations
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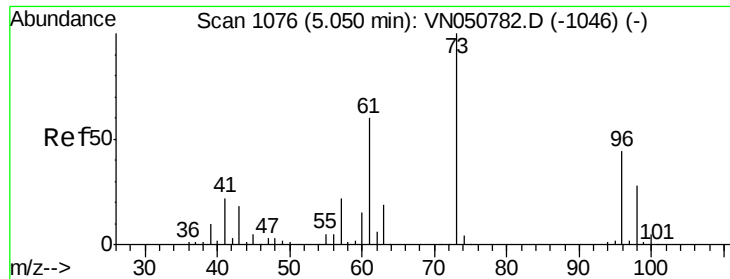
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#18
Methyl Acetate
Concen: 19.95 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.8	29.8





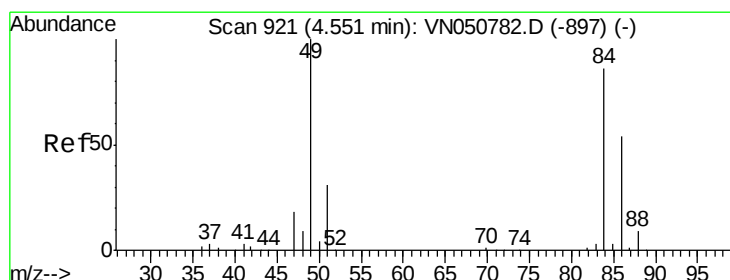
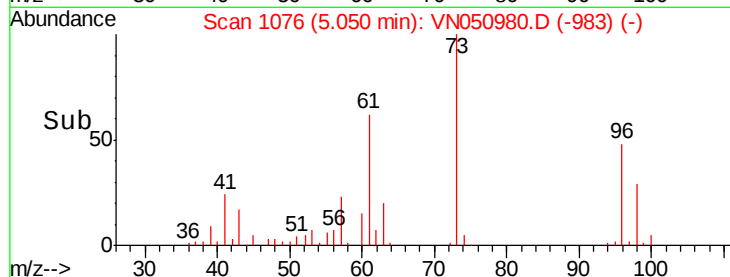
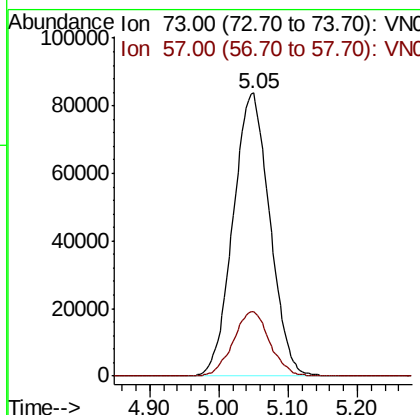
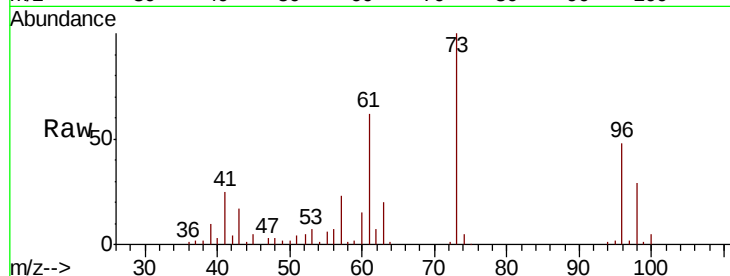
#19
Methvl tert-butvl Ether
Concen: 18.56 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion: 73 Resp: 308571
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.8

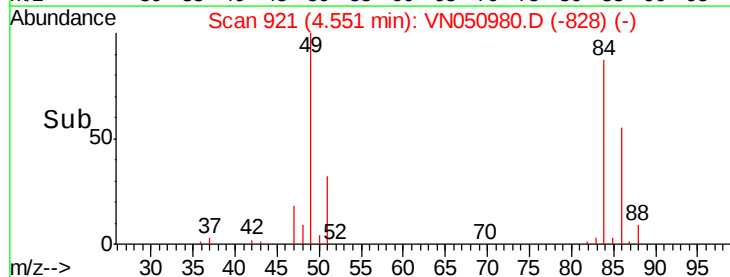
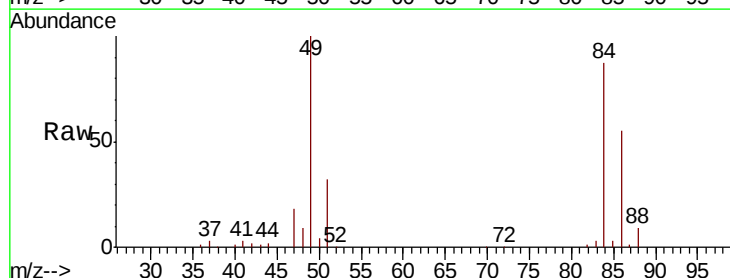
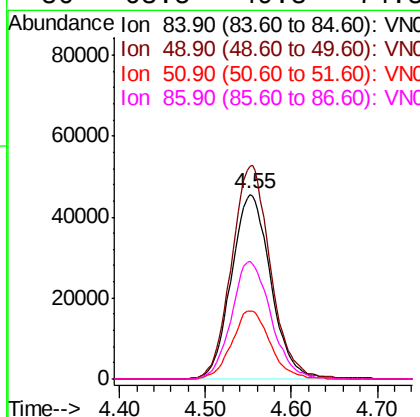
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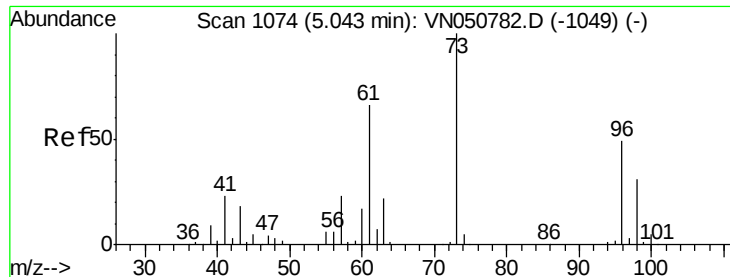
MMDadoda
9/4/2018 12:27:49 PM



#20
Methylene Chloride
Concen: 18.14 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion: 84 Resp: 144864
Ion Ratio Lower Upper
84 100
49 115.4 93.2 139.8
51 36.5 29.0 43.6
86 63.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.11 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

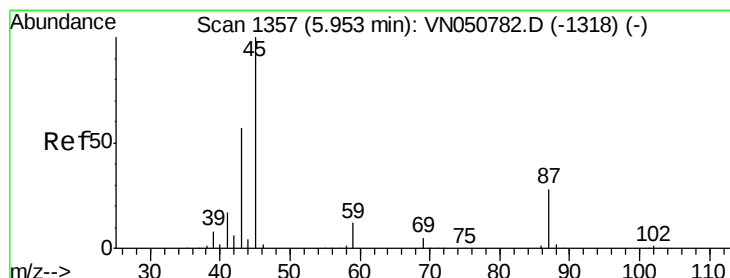
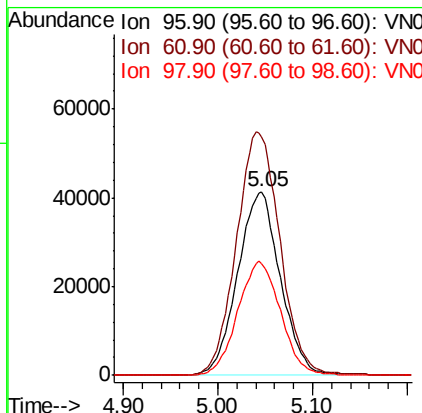
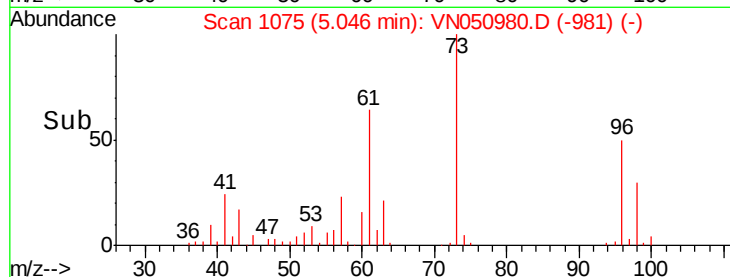
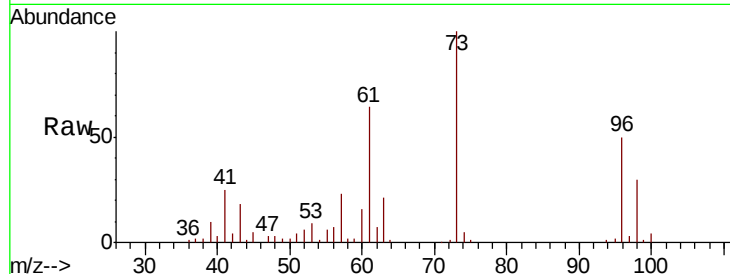
ClientSampled :

VN0831WBS01

Tot Ion:	96	Resp:	129431
Ion	Ratio	Lower	Upper
96	100		
61	129.9	107.4	161.0
98	61.1	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.30 ug/l

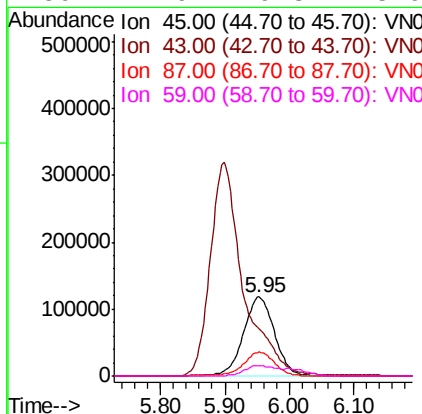
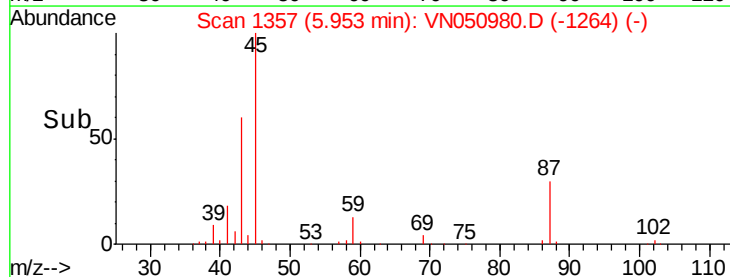
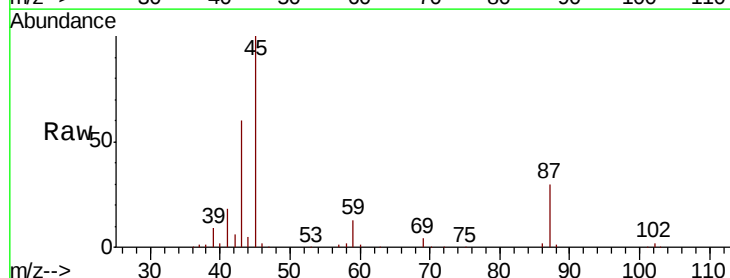
RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion:	45	Resp:	396199
Ion	Ratio	Lower	Upper
45	100		
43	58.6	45.9	68.9
87	30.1	22.7	34.1
59	12.9	9.3	13.9





#23

Vinyl Acetate

Concen: 86.06 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

Tot Ion: 43 Resp: 1137465

Ion Ratio Lower Upper

43 100

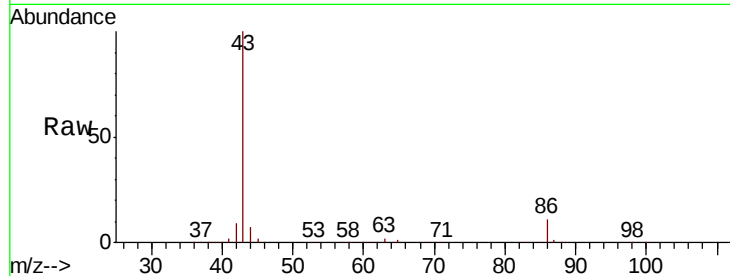
86 10.8 8.7 13.1

Manual Integrations

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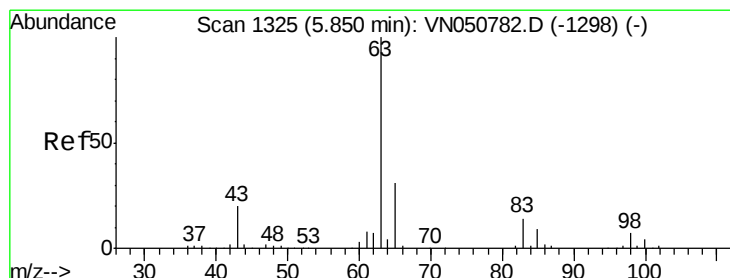
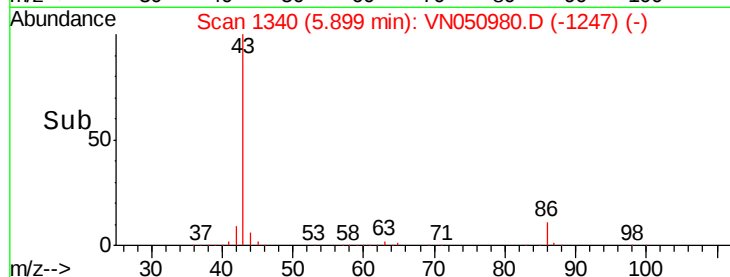
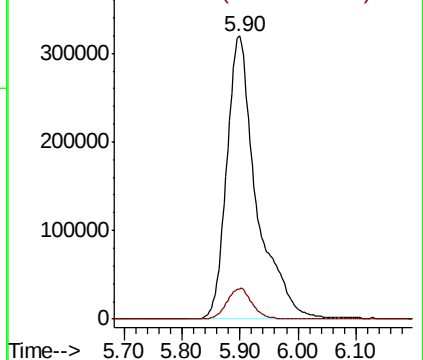
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.58 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

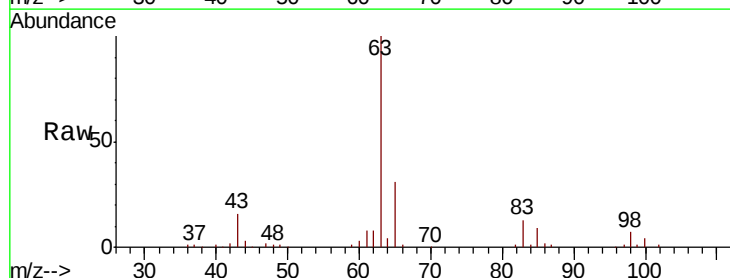
Tgt Ion: 63 Resp: 244832

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

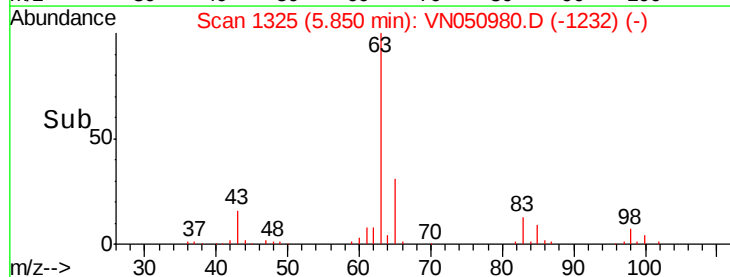
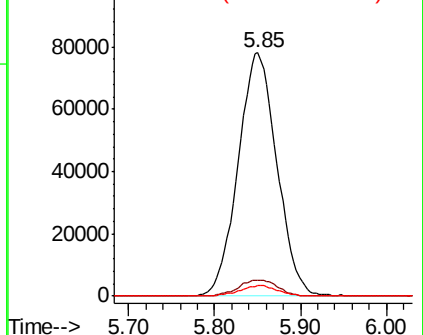
100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 76.99 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

Tot Ion: 43 Resp: 219775

Ion Ratio Lower Upper

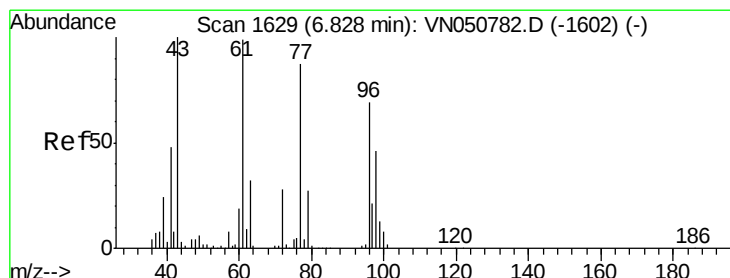
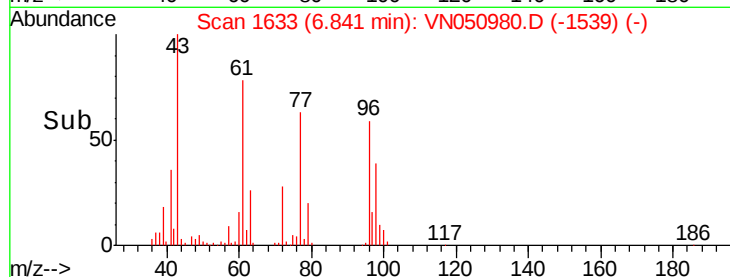
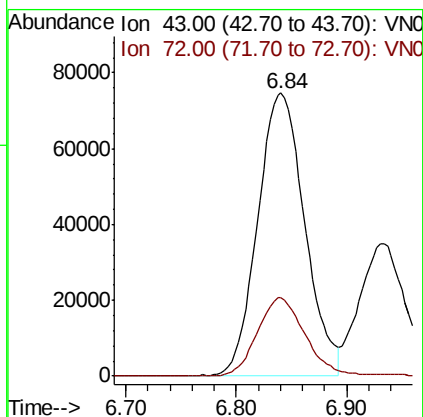
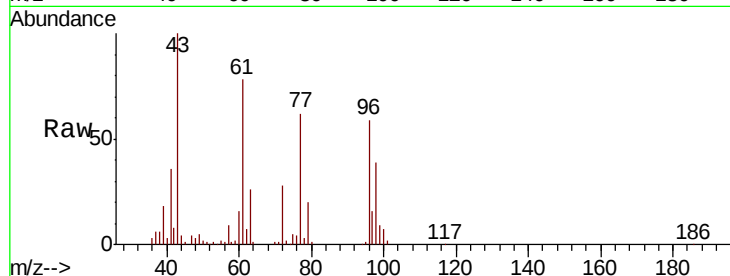
43 100

72 27.7 22.3 33.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.00 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050980.D

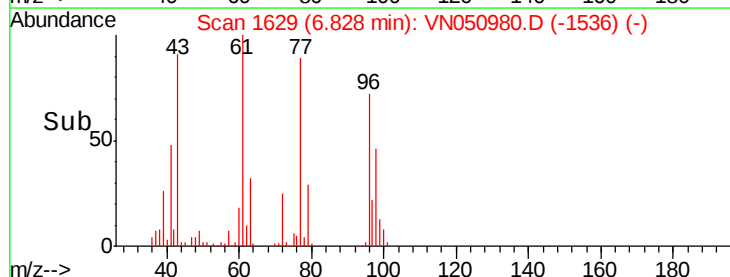
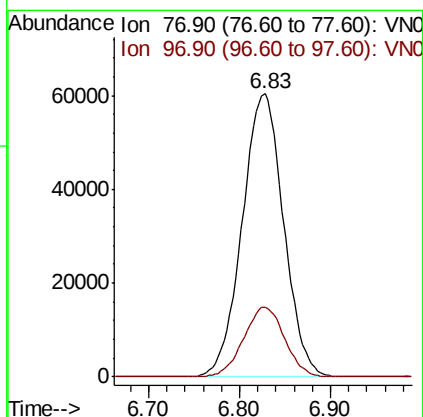
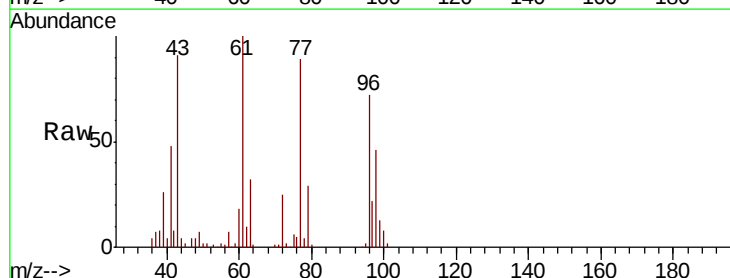
Acq: 31 Aug 2018 11:58

Tgt Ion: 77 Resp: 190536

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 18.84 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

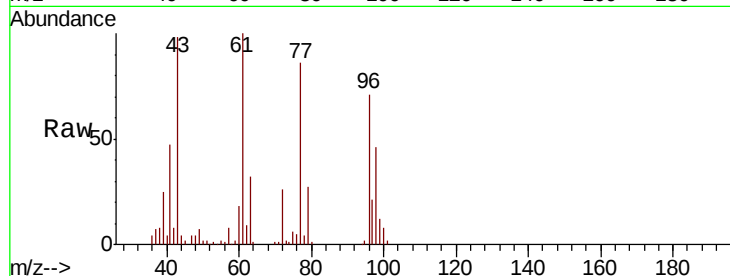
ClientSampleId :

VN0831WBS01

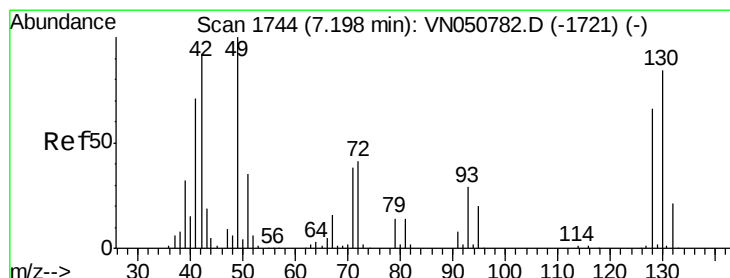
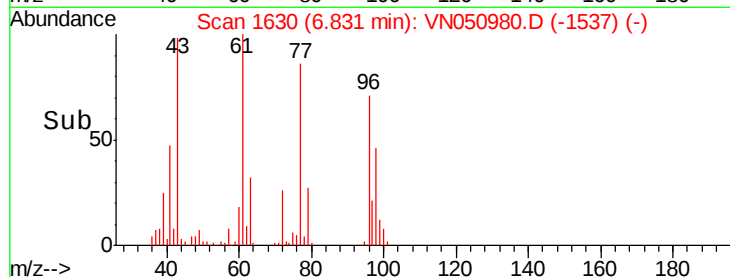
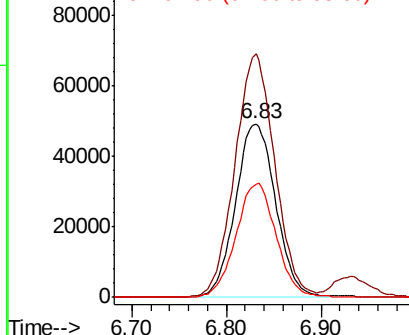
Tot Ion:	96	Resp:	145179
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	283.4
98	65.6	0.0	129.8

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.32 ug/l

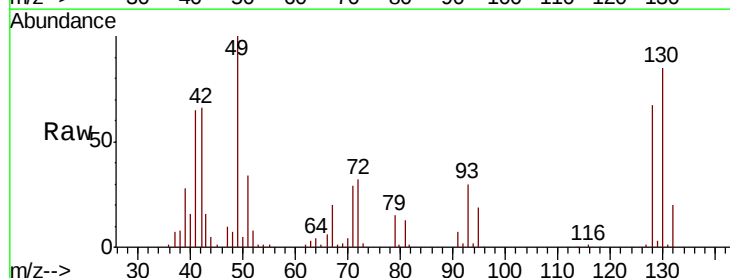
RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

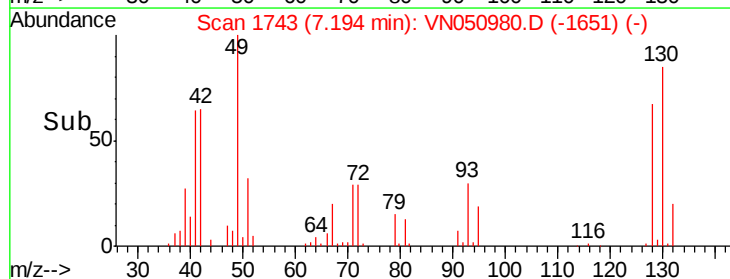
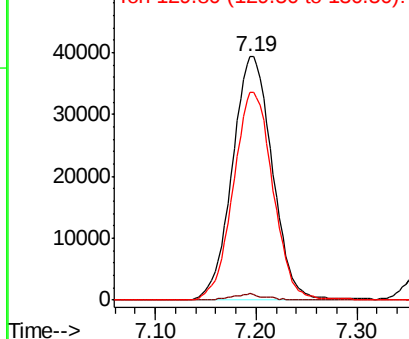
Lab File: VN050980.D

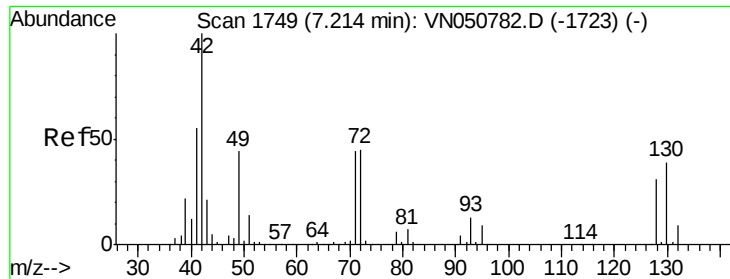
Acq: 31 Aug 2018 11:58

Tgt Ion:	49	Resp:	108150
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	84.4	67.1	100.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





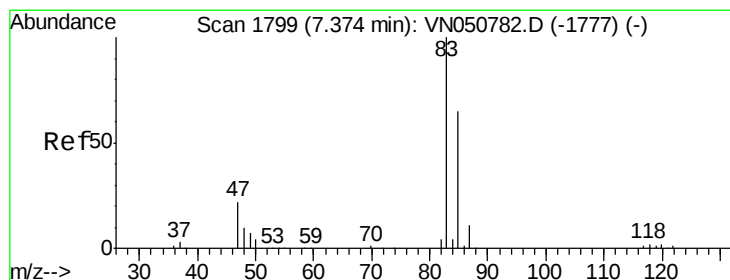
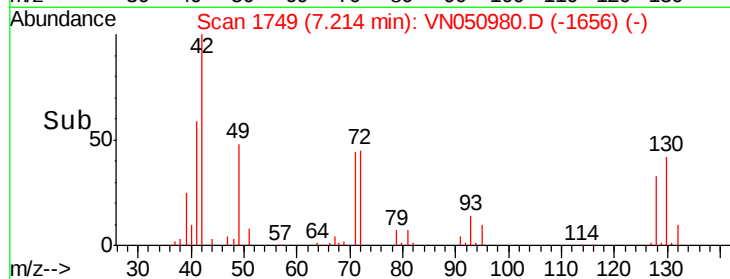
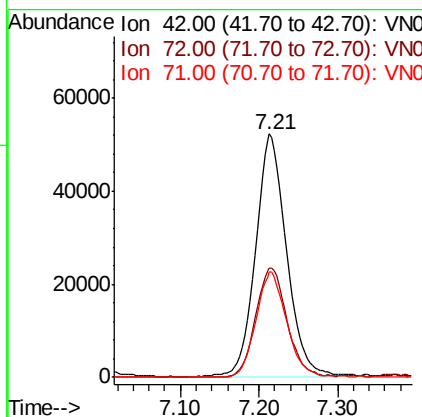
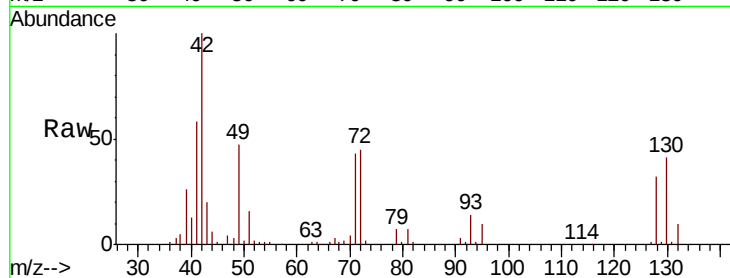
#29
Tetrahydrofuran
Concen: 89.67 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.5	53.3
71	43.0	33.7	50.5

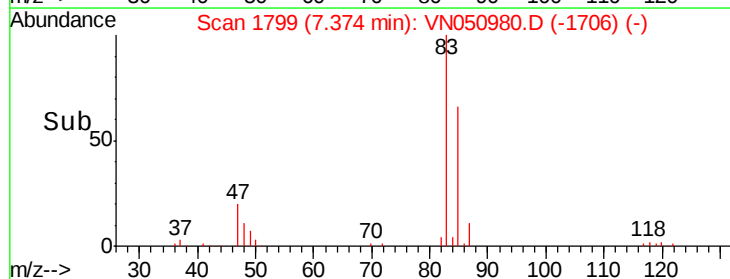
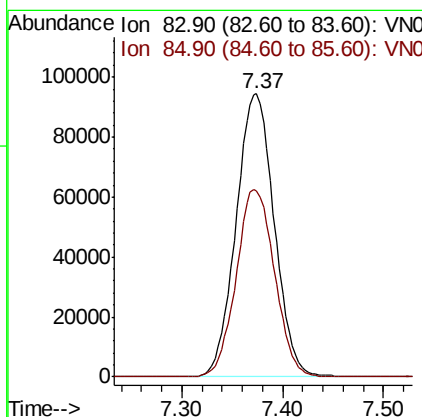
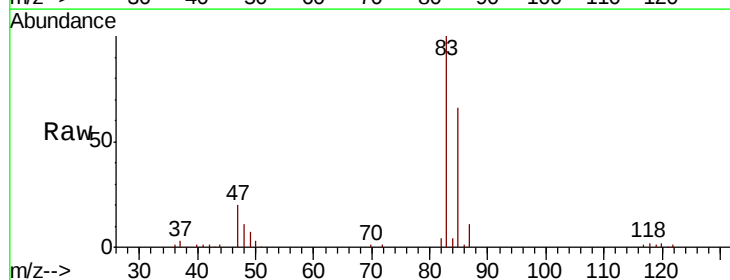
Manual Integrations
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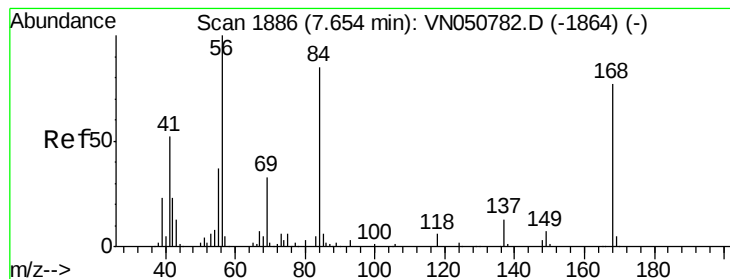
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#30
Chloroform
Concen: 18.99 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.4





#31

Cyclohexane

Concen: 17.84 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

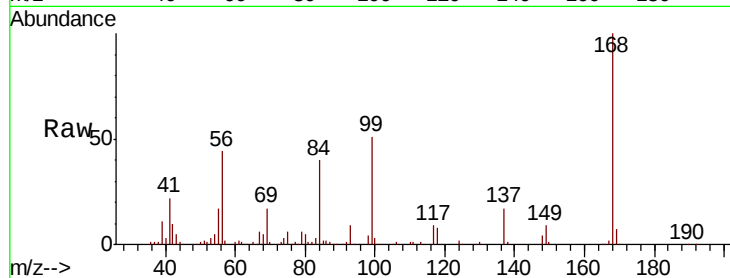
ClientSampled :

VN0831WBS01

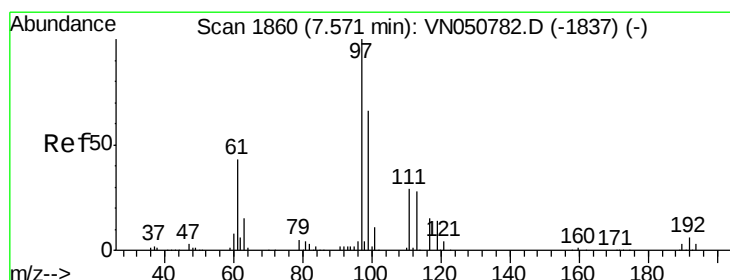
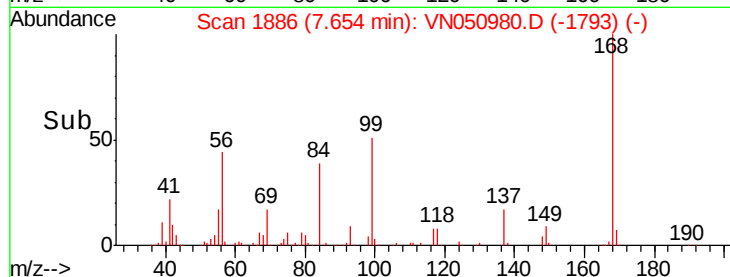
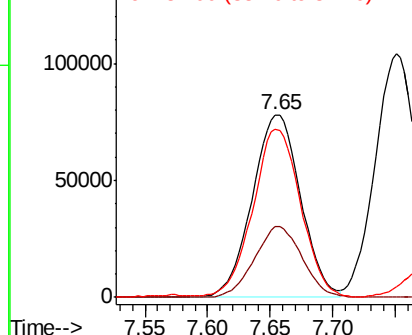
Tot Ion:	56	Resp:	210078
Ion Ratio	Lower	Upper	
56	100		
69	38.9	26.2	39.4
84	91.1	68.3	102.5

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.91 ug/l

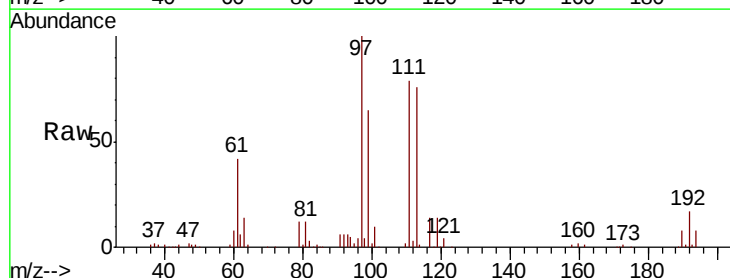
RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

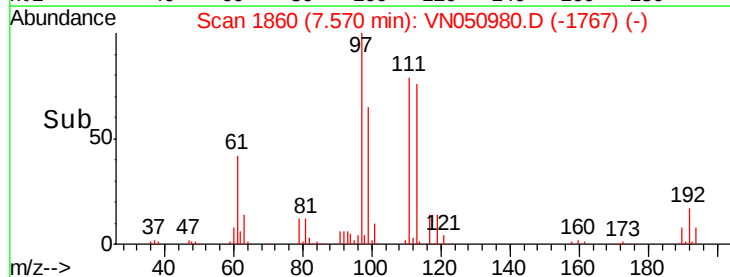
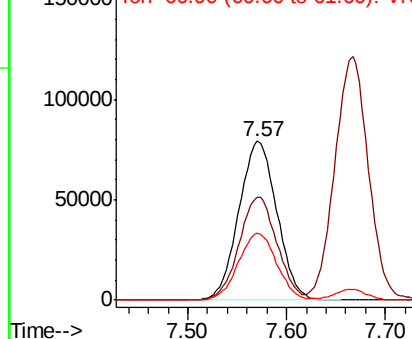
Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion:	97	Resp:	211923
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.8	77.6
61	42.2	34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.53 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

Tot Ion: 65 Resp: 343781

Ion Ratio Lower Upper

65 100

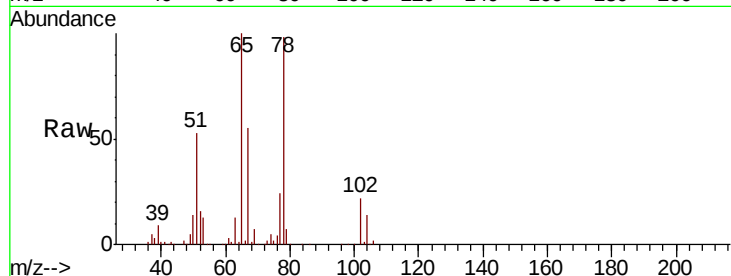
67 54.7 0.0 110.4

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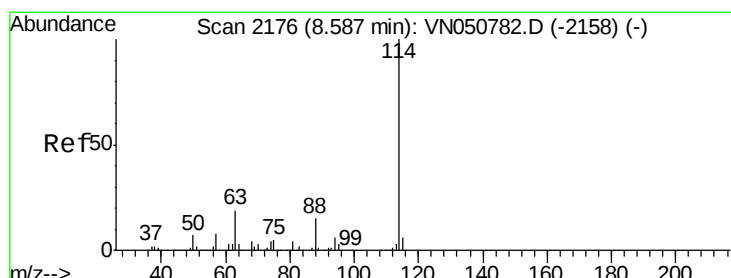
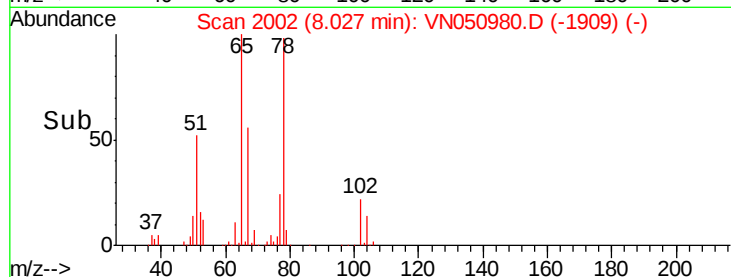
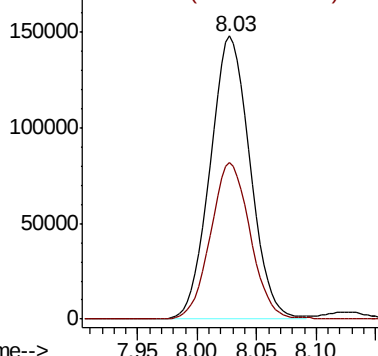
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

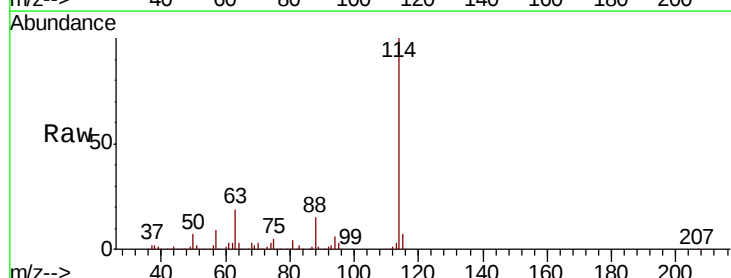
Tgt Ion: 114 Resp: 822117

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

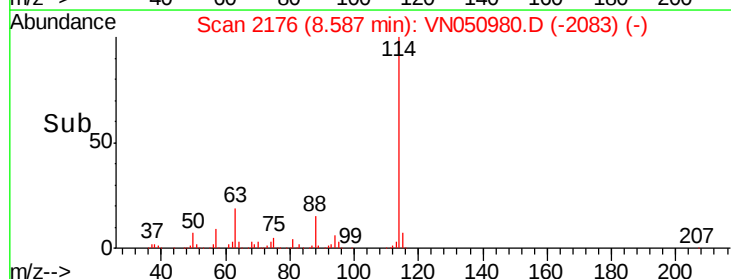
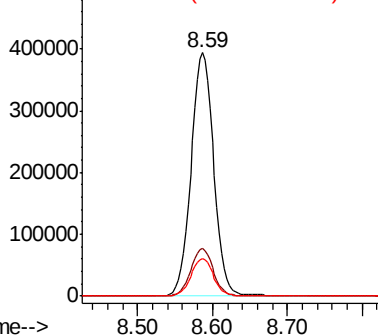
88 15.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





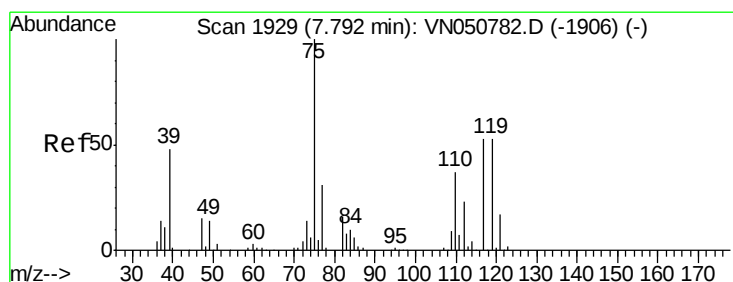
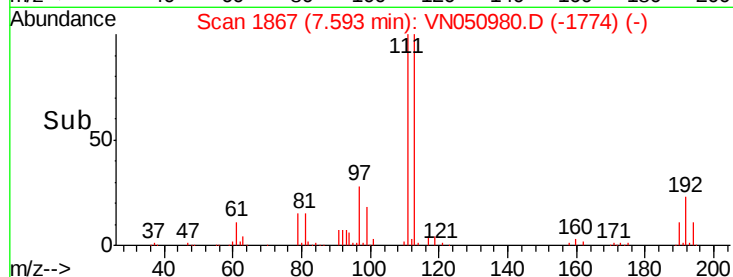
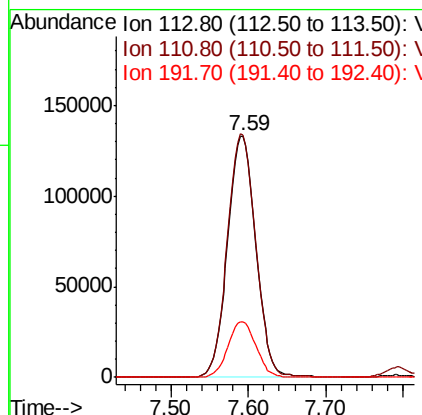
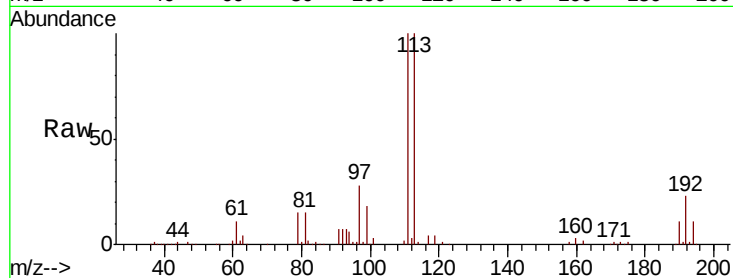
#35
 Dibromofluoromethane
 Concen: 51.59 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.9	82.6	123.8	
192	22.8	18.0	27.0	

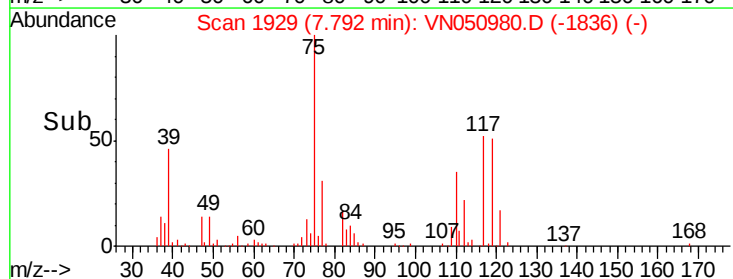
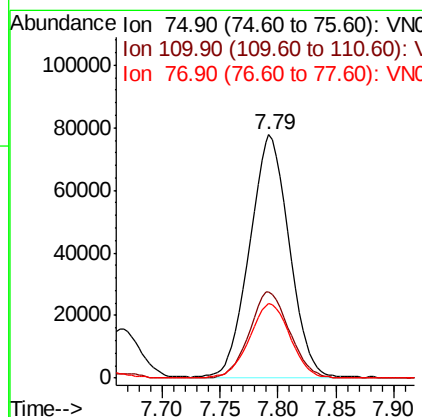
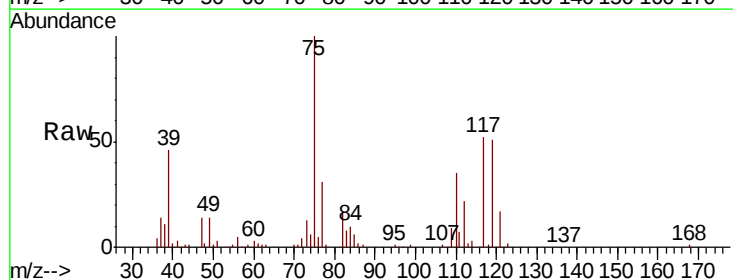
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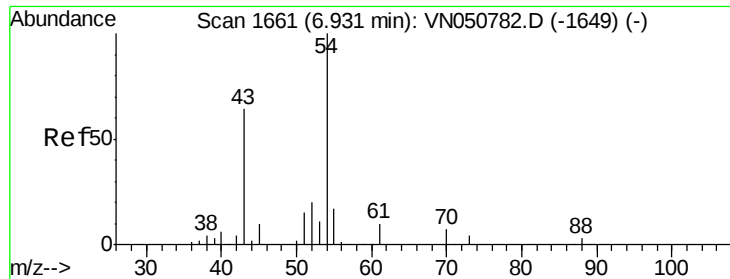
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#36
 1,1-Dichloropropene
 Concen: 18.96 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.1	54.4	
77	31.9	24.8	37.2	





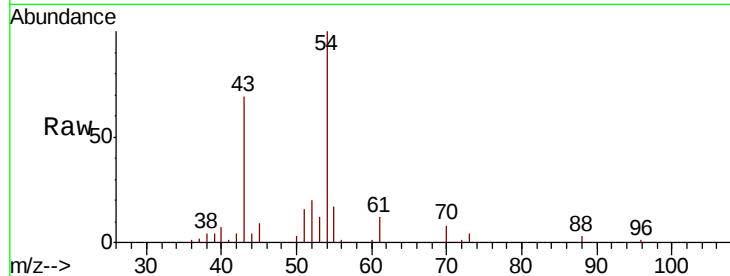
#37
Ethyl Acetate
Concen: 17.96 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.0	18.0
70	10.9	8.6	13.0

Manual Integrations
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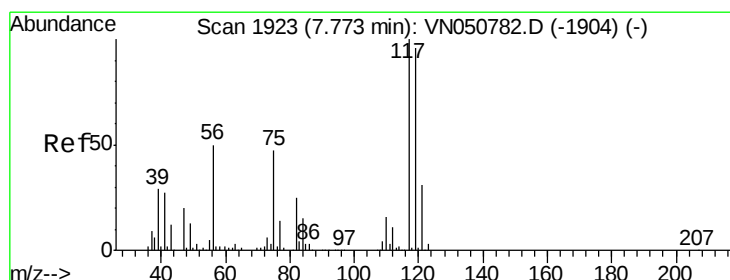
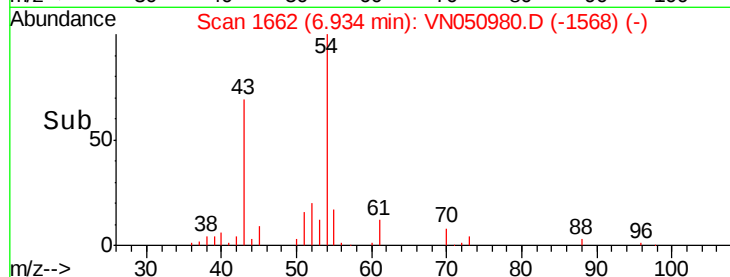
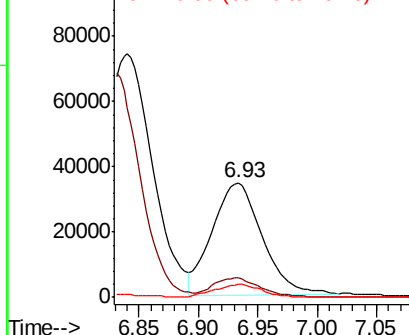


Abundance

Ion 43.00 (42.70 to 43.70): VN050782.D (-1649) (-)

Ion 60.90 (60.60 to 61.60): VN050782.D (-1649) (-)

Ion 70.00 (69.70 to 70.70): VN050782.D (-1649) (-)



#38
Carbon Tetrachloride
Concen: 19.22 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

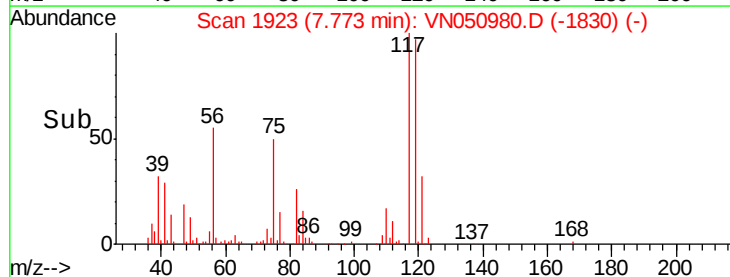
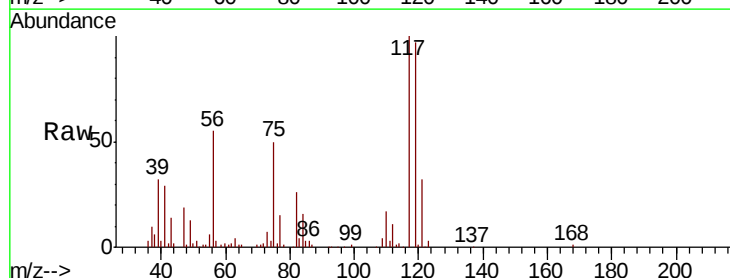
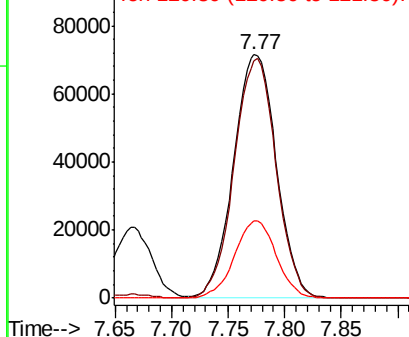
Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.3	114.5
121	31.6	24.6	36.8

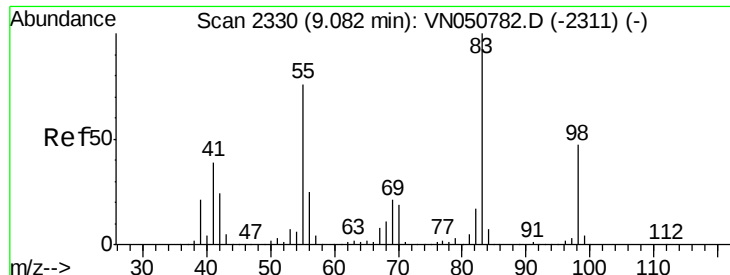
Abundance

Ion 116.80 (116.50 to 117.50): VN050782.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN050782.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN050782.D (-1904) (-)





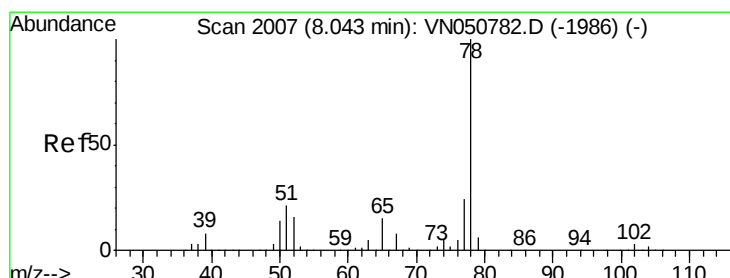
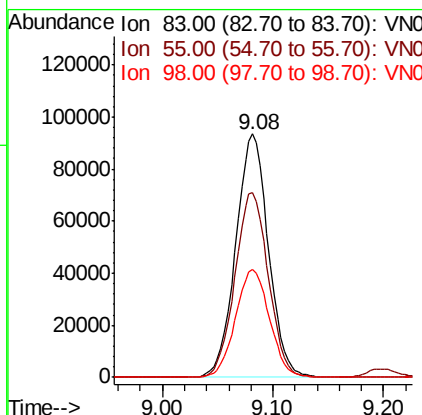
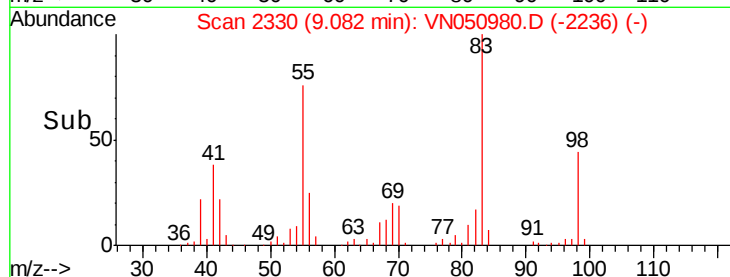
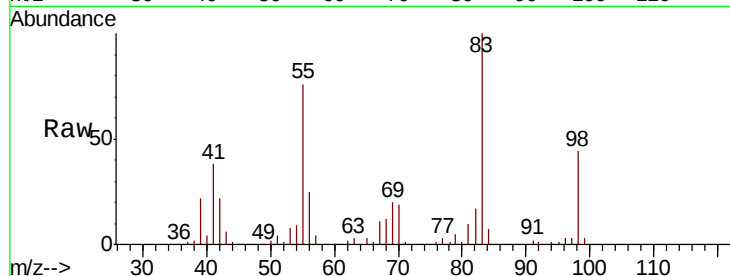
#39
Methvlcvclohexane
Concen: 18.25 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.9	61.0	91.4	
98	44.1	37.5	56.3	

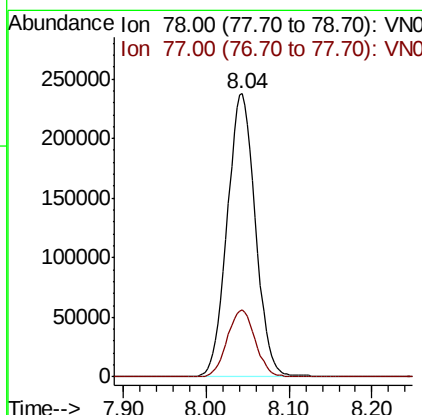
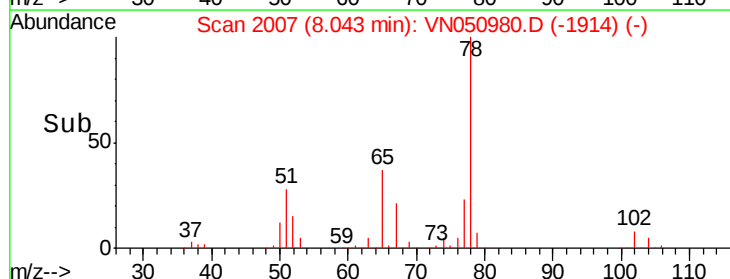
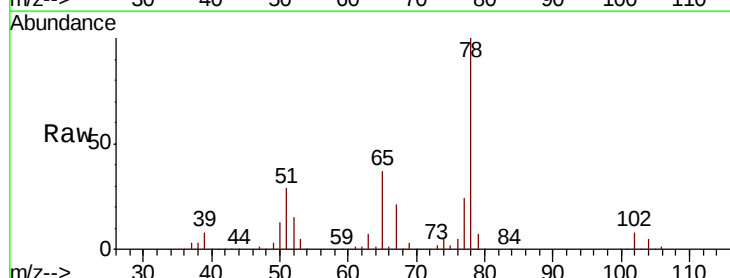
Manual Integrations
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#40
Benzene
Concen: 19.24 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	





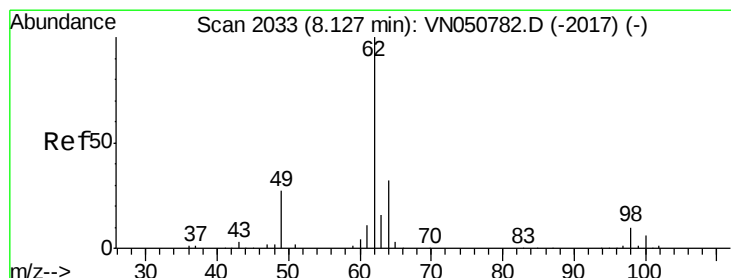
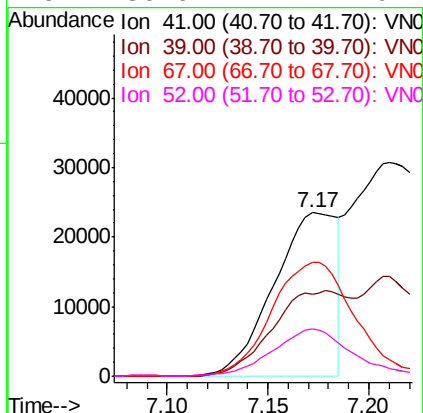
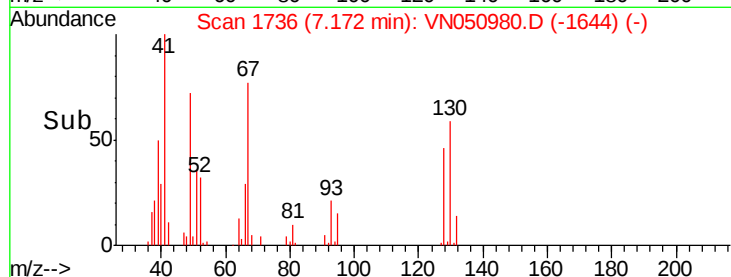
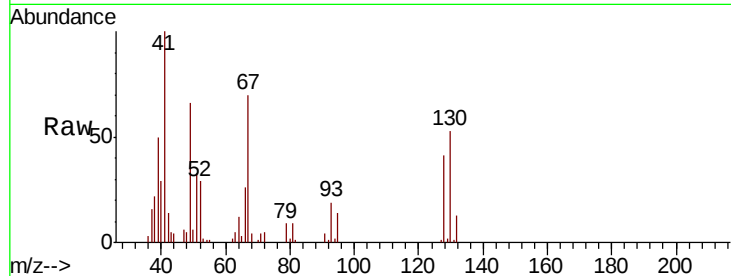
#41
Methacrylonitrile
Concen: 16.91 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion:	41	Resp:	51007
Ion	Ratio	Lower	Upper
41	100		
39	62.0	45.4	68.0
67	93.2	70.6	106.0
52	36.6	27.1	40.7

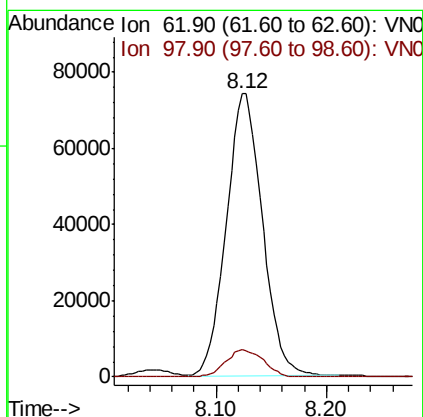
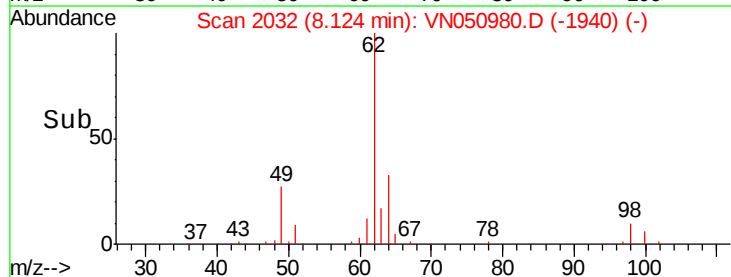
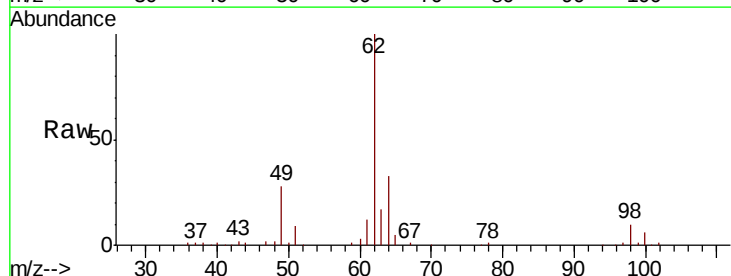
Manual Integrations
APPROVED

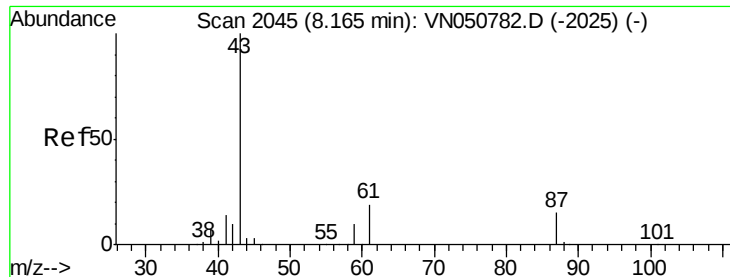
MMDadoda
9/4/2018 12:27:49 PM



#42
1,2-Dichloroethane
Concen: 19.26 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion:	62	Resp:	168412
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6





#43

Isopropyl Acetate

Concen: 18.95 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

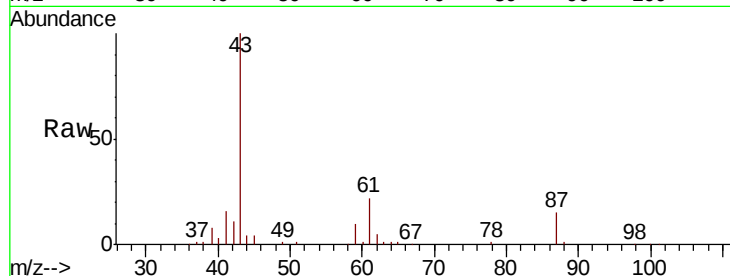
ClientSampled :

VN0831WBS01

Tot Ion:	43	Resp:	181532
Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.5	26.3
87	14.0	11.3	16.9

Manual Integrations
APPROVED

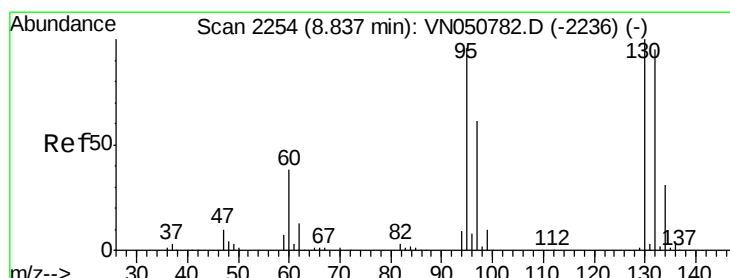
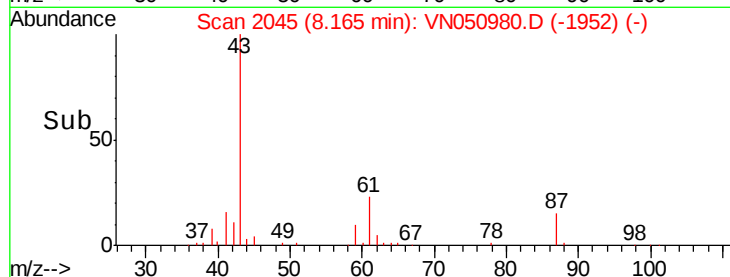
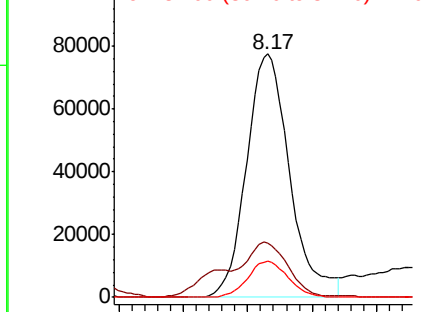
MMDadoda
9/4/2018 12:27:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050782.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050782.D (-2025) (-)



#44

Trichloroethene

Concen: 19.36 ug/l

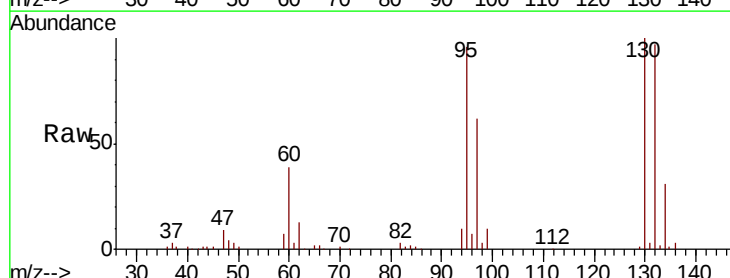
RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050980.D

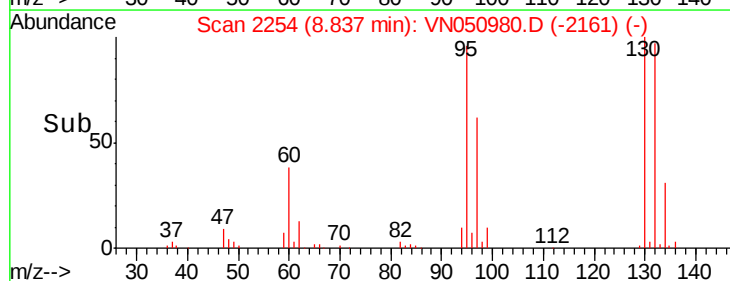
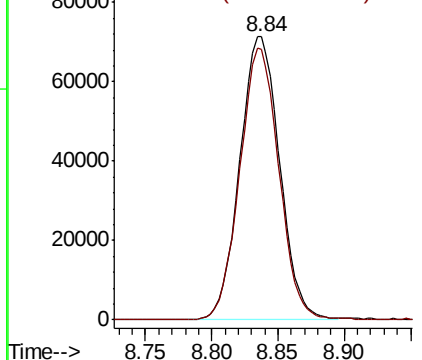
Acq: 31 Aug 2018 11:58

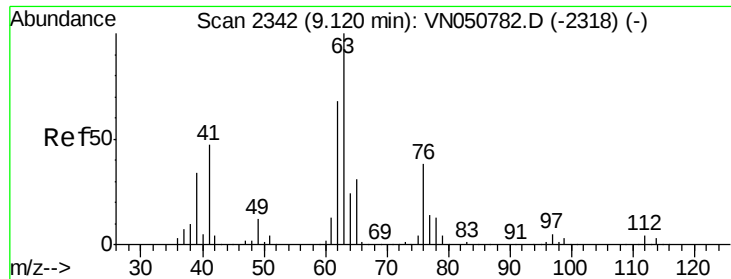
Tgt Ion:	130	Resp:	149392
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050782.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050782.D (-2236) (-)





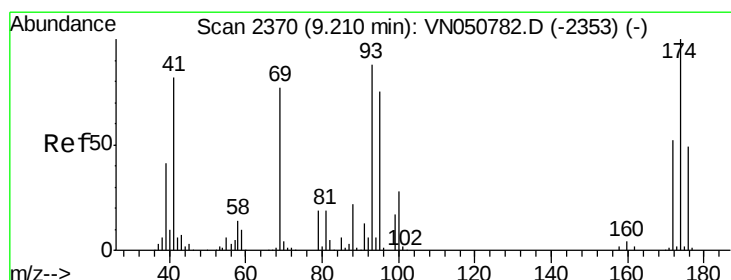
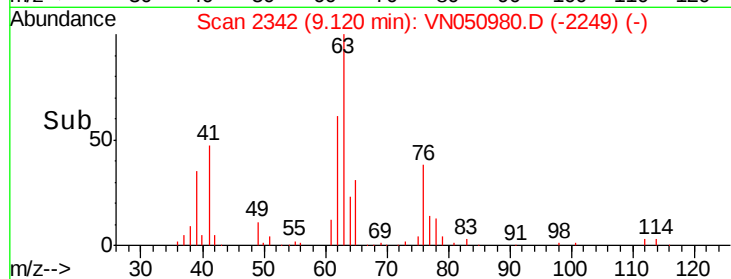
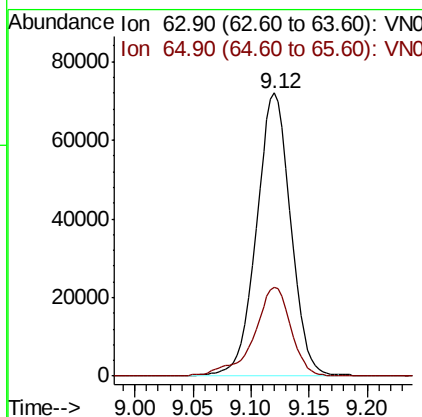
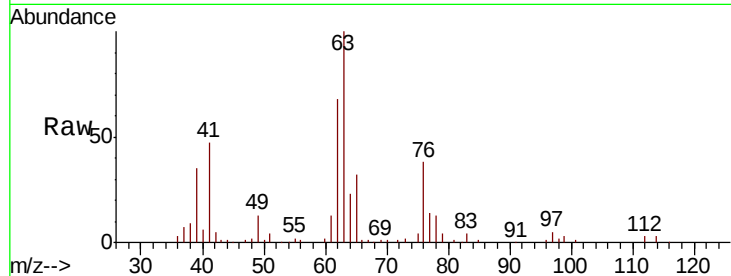
#45
 1,2-Dichloropropane
 Concen: 19.23 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion: 63 Resp: 147819
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

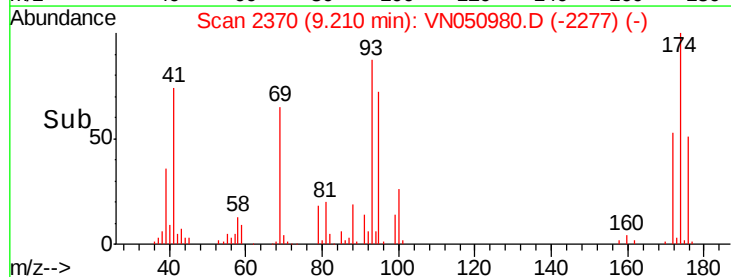
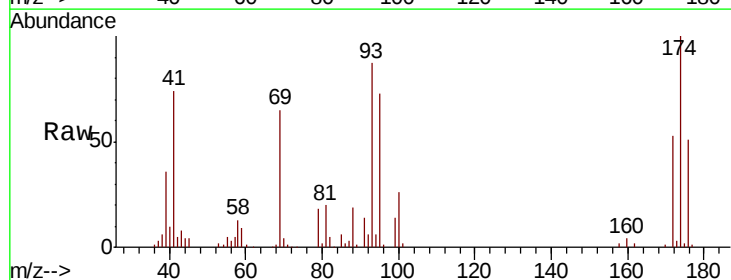
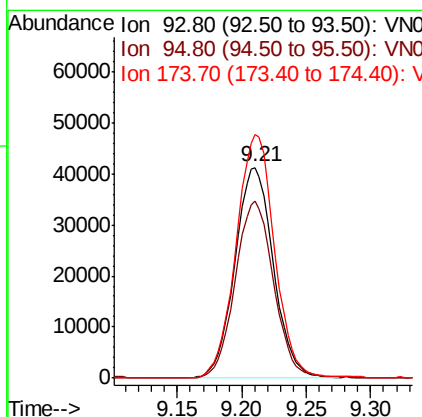
Manual Integrations
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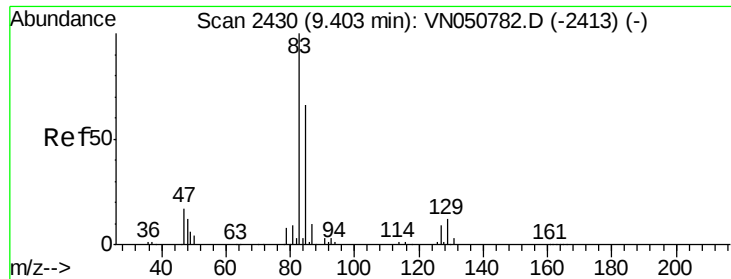
MMDadoda
 9/4/2018 12:27:49 PM



#46
 Dibromomethane
 Concen: 18.96 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion: 93 Resp: 85634
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 115.8 89.8 134.6





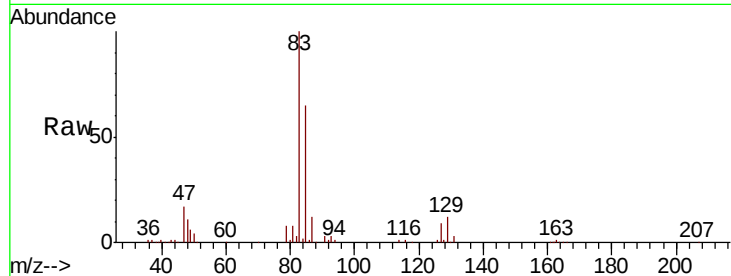
#47
Bromodichloromethane
Concen: 19.72 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion	83	Resp	186555
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	52.6	78.8
127	9.3	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:27:49 PM

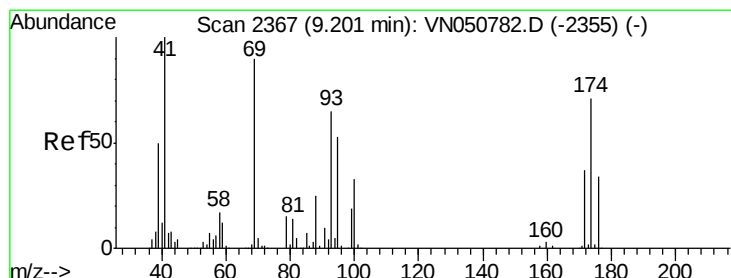
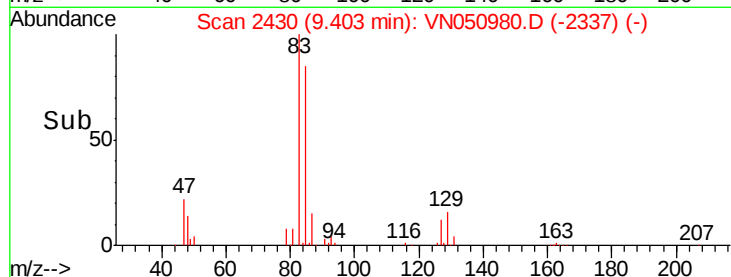
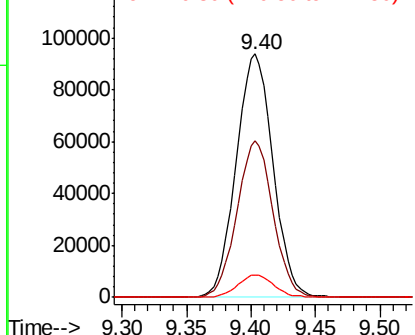


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48
Methyl methacrylate
Concen: 17.67 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

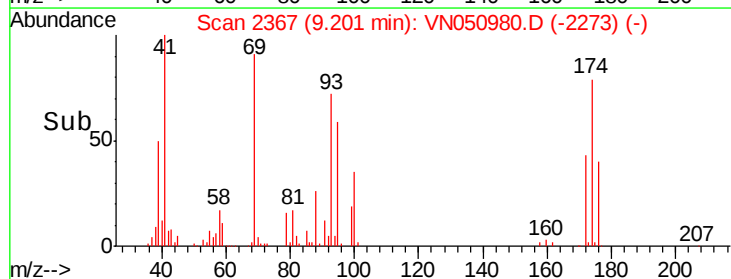
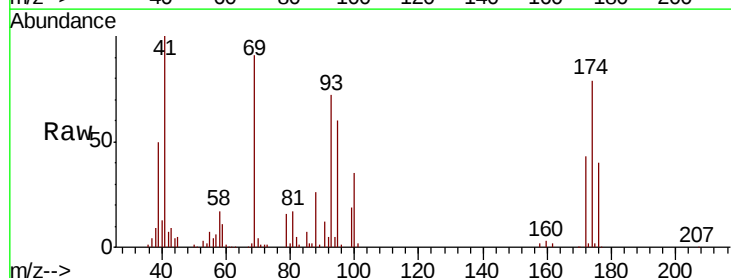
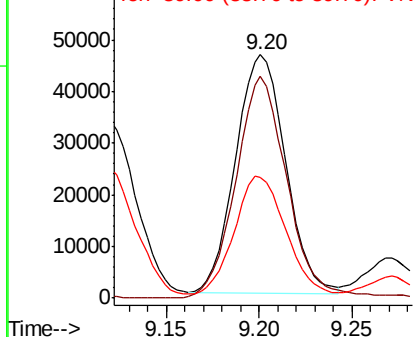
Tgt Ion	41	Resp	86301
Ion Ratio	100	Lower	Upper
41	100		
69	95.3	74.7	112.1
39	53.4	42.2	63.2

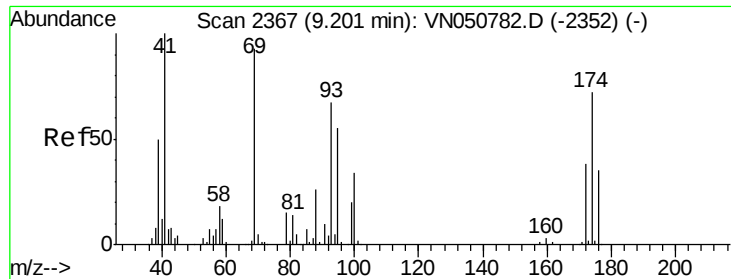
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





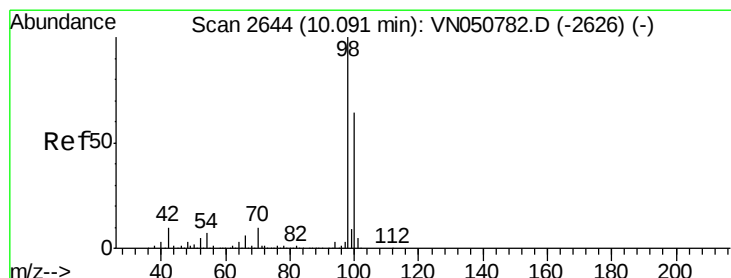
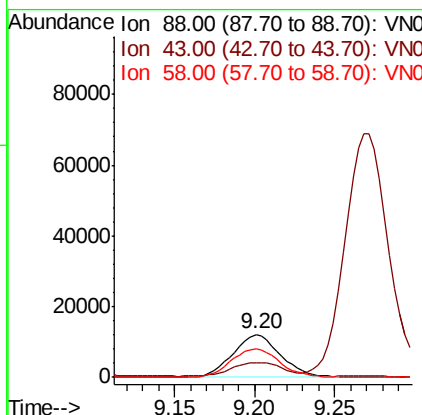
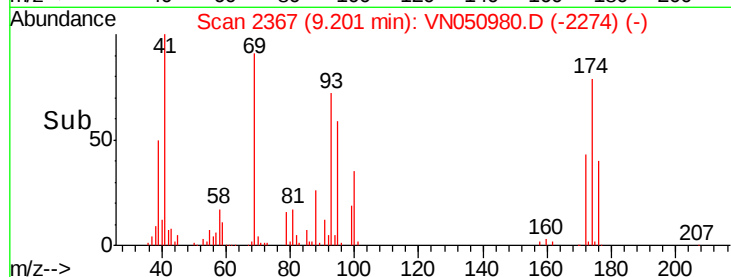
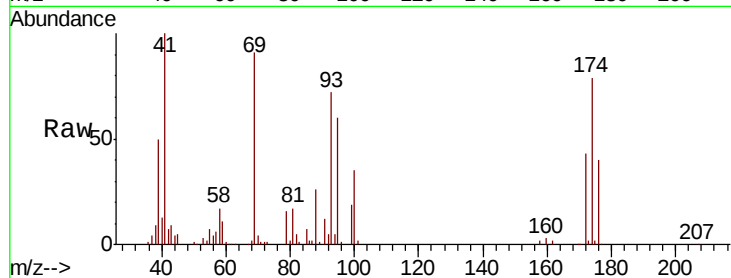
#49
1,4-Dioxane
Concen: 366.58 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion	88	Resp	24403
Ion Ratio	100	Lower	Upper
88	100		
43	34.7	25.9	38.9
58	68.8	55.0	82.4

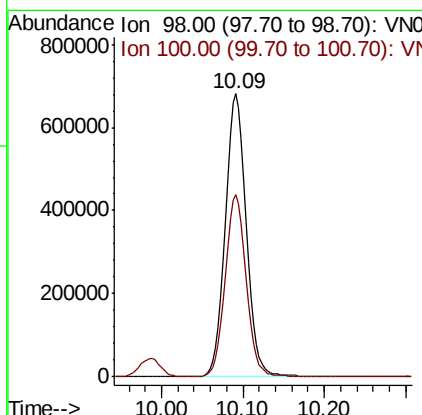
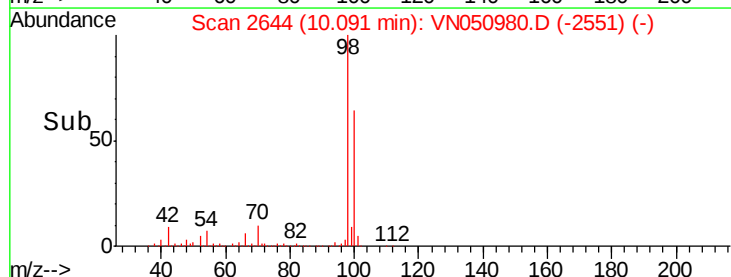
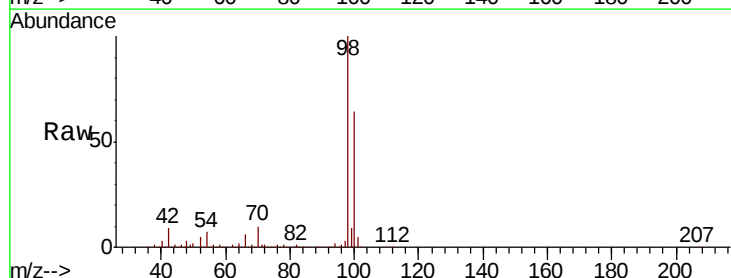
Manual Integrations
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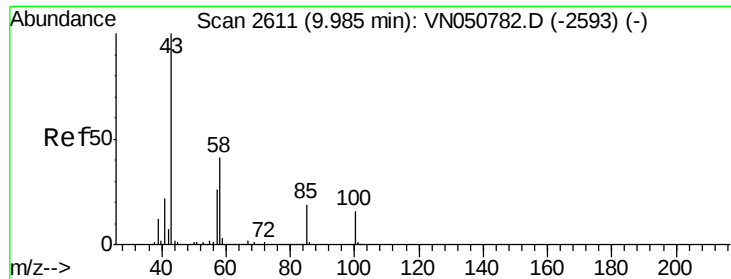
MMDadoda
9/4/2018 12:27:49 PM



#50
Toluene-d8
Concen: 50.96 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	98	Resp	1246228
Ion Ratio	100	Lower	Upper
98	100		
100	64.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 88.38 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

Tot Ion: 43 Resp: 505370

Ion Ratio Lower Upper

43 100

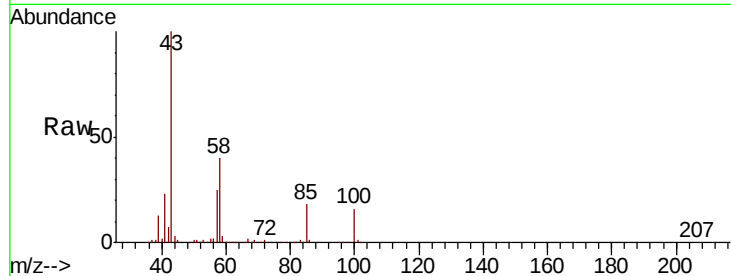
58 40.6 32.4 48.6

Manual Integrations

APPROVED

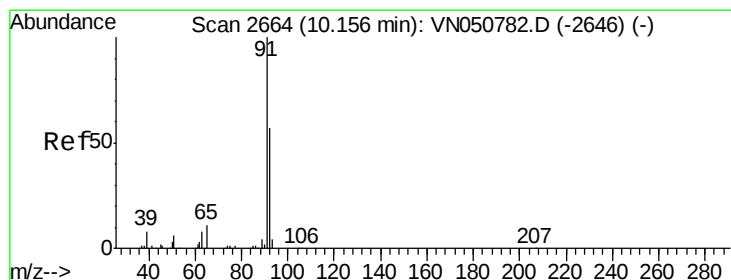
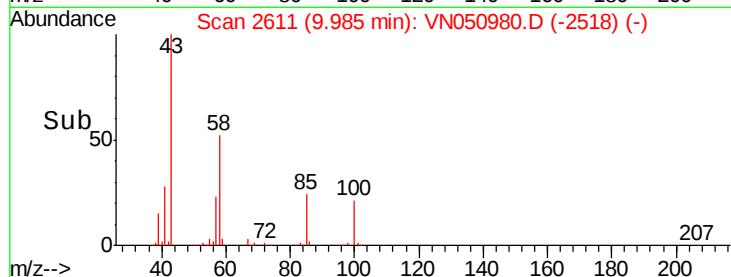
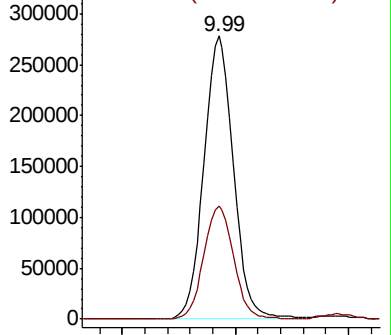
MMDadoda

9/4/2018 12:27:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.12 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050980.D

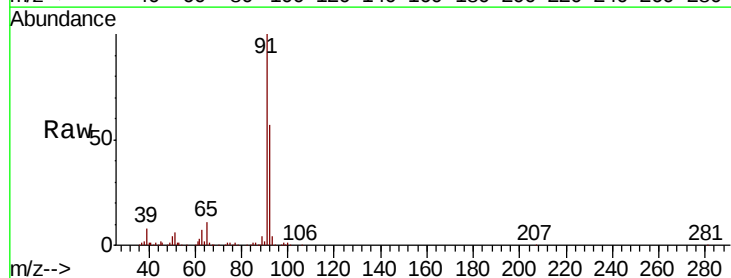
Acq: 31 Aug 2018 11:58

Tgt Ion: 92 Resp: 348687

Ion Ratio Lower Upper

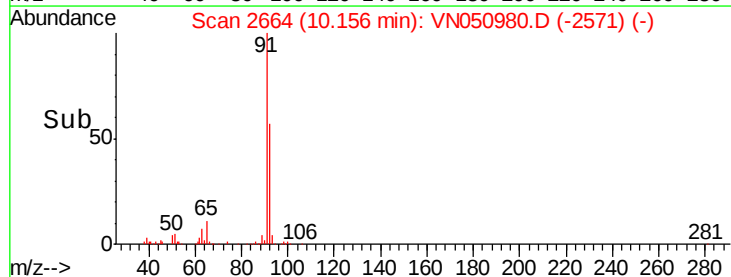
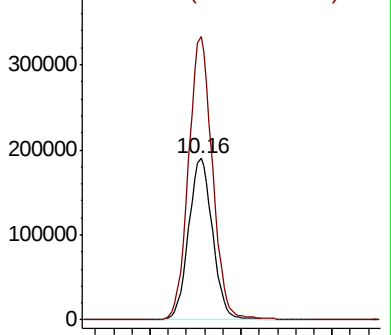
92 100

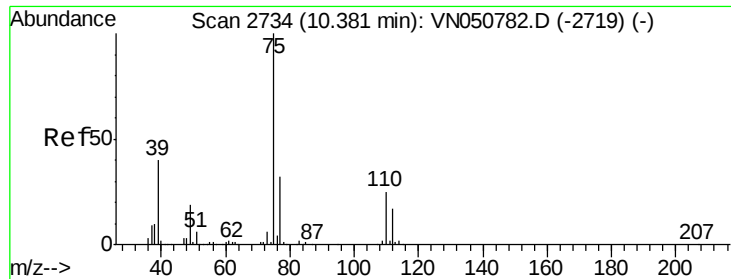
91 175.0 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





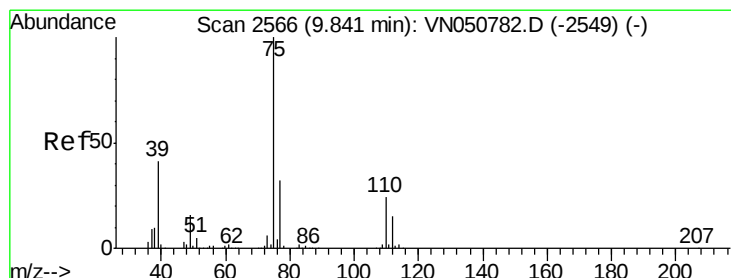
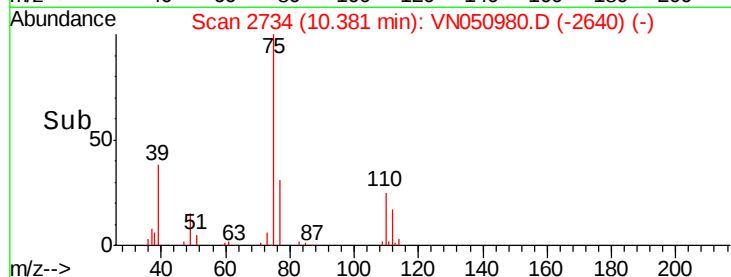
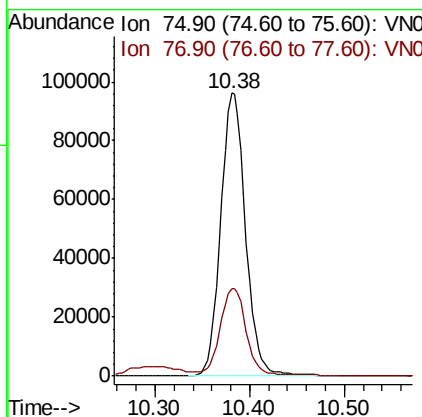
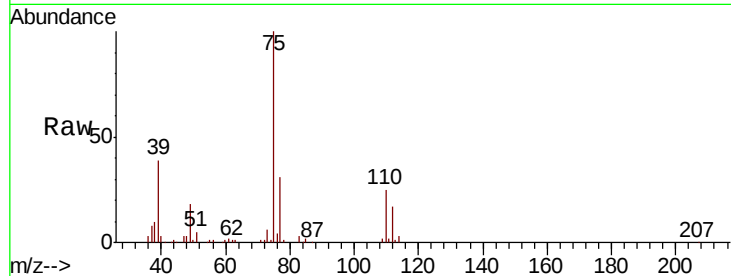
#53
t-1,3-Dichloropropene
Concen: 18.64 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.7	38.5

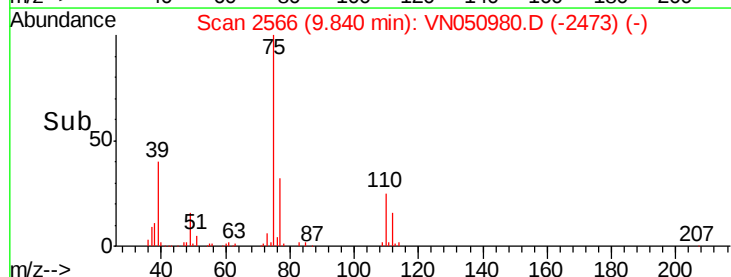
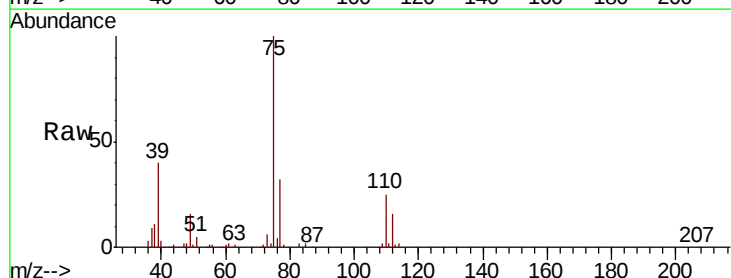
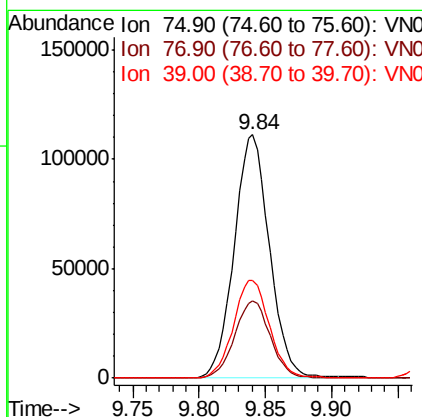
Manual Integrations
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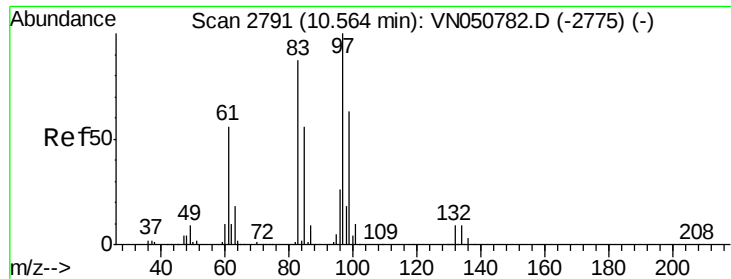
MMDadoda
9/4/2018 12:27:49 PM



#54
cis-1,3-Dichloropropene
Concen: 19.07 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2
39	40.3	33.0	49.4





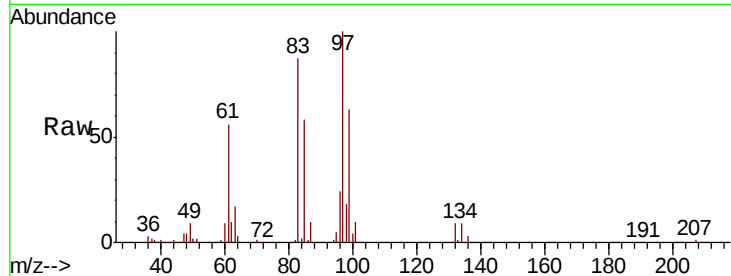
#55
 1,1,2-Trichloroethane
 Concen: 19.49 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125378		
83	86.7	69.7	104.5		
85	57.9	44.5	66.7		
99	63.4	50.7	76.1		

Manual Integrations
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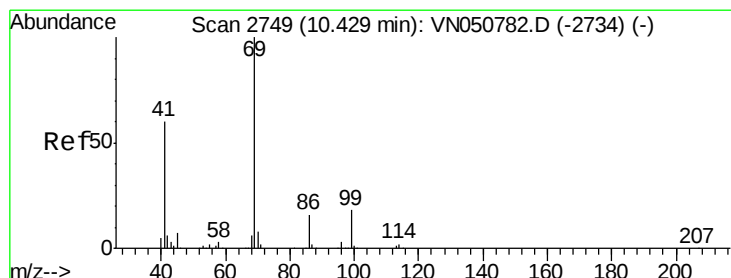
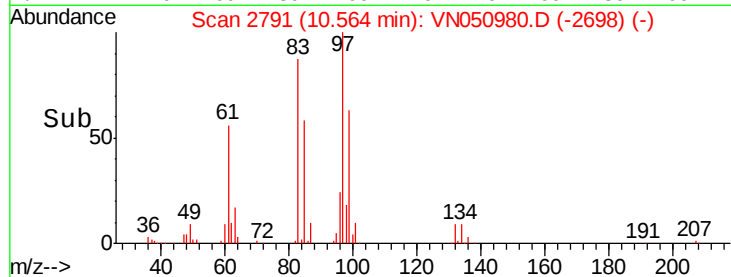
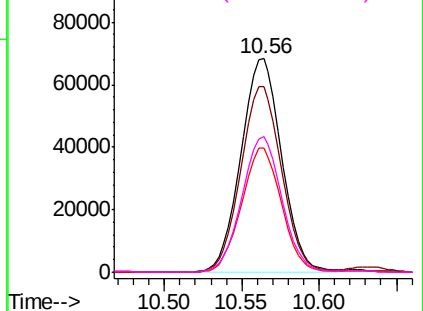
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

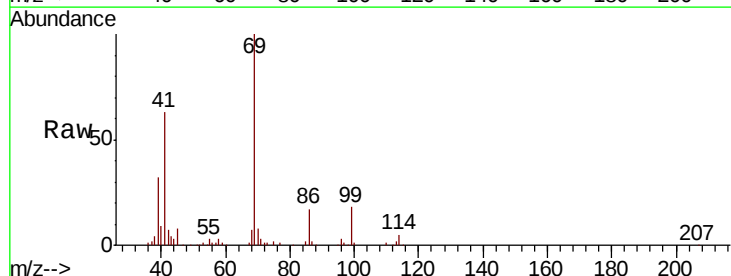
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 17.57 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		133657		
41	61.9	48.3	72.5		
39	31.9	24.0	36.0		

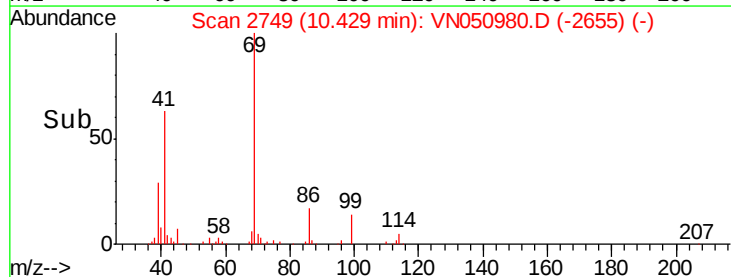
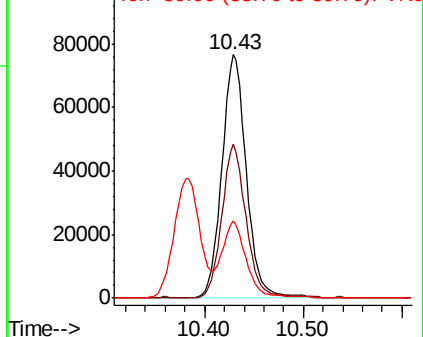


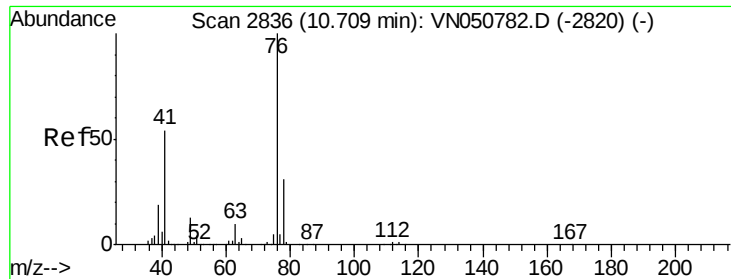
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.16 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

Tot Ion: 76 Resp: 203404

Ion Ratio Lower Upper

76 100

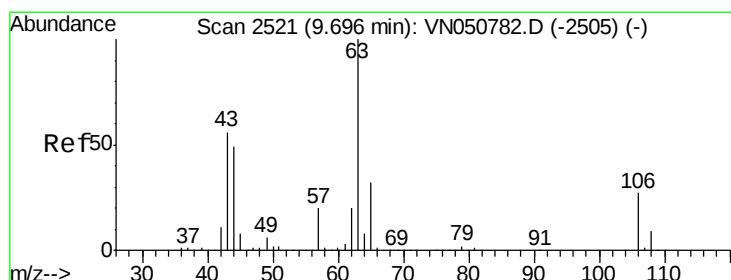
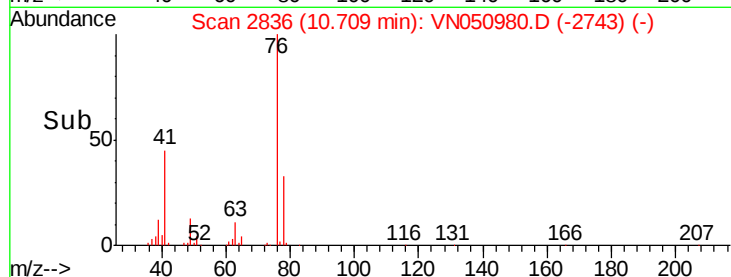
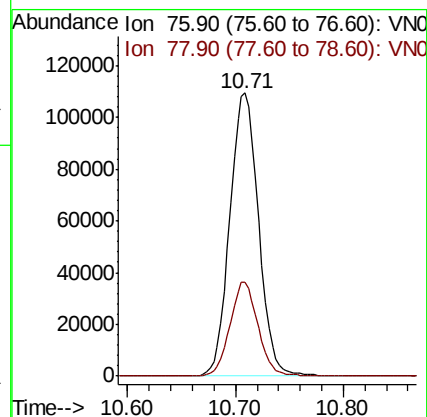
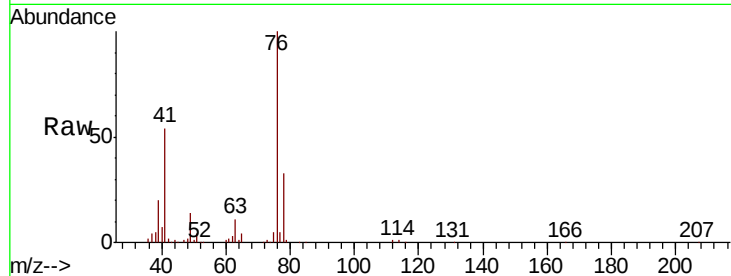
78 32.5 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/4/2018 12:27:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 85.42 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050980.D

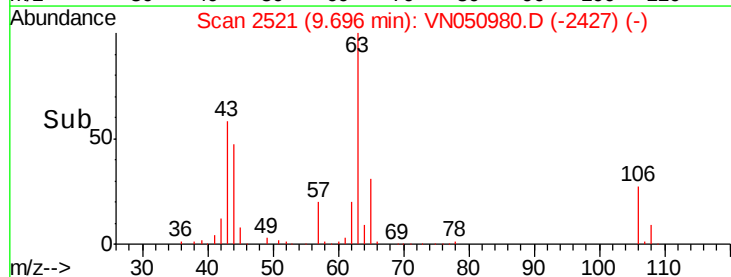
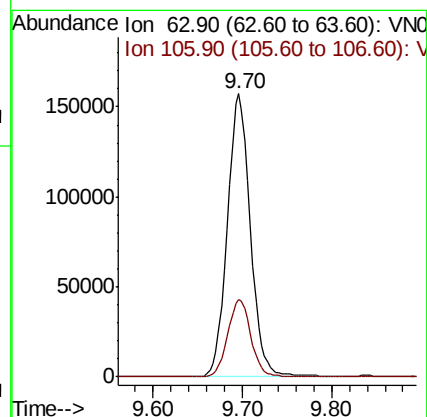
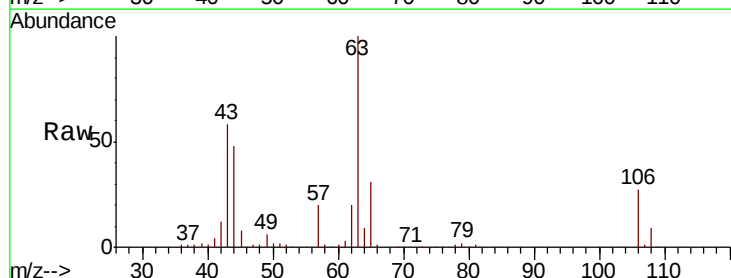
Acq: 31 Aug 2018 11:58

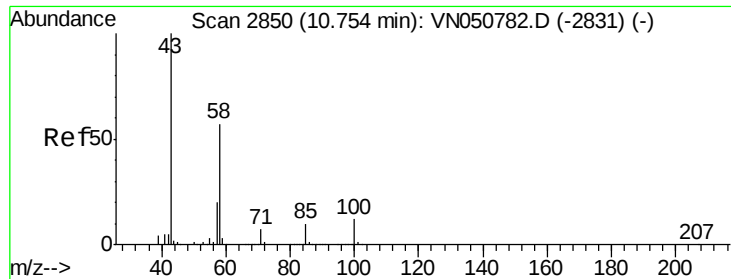
Tgt Ion: 63 Resp: 280978

Ion Ratio Lower Upper

63 100

106 27.6 21.9 32.9





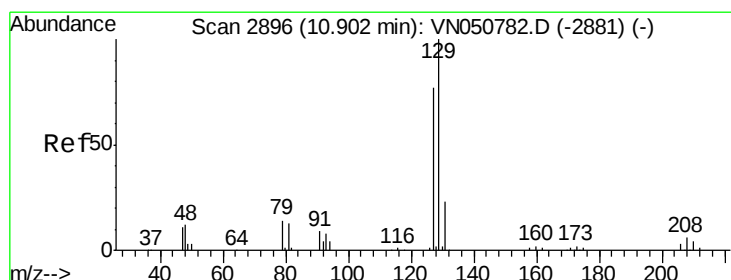
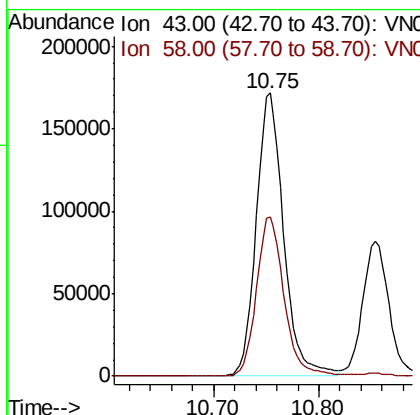
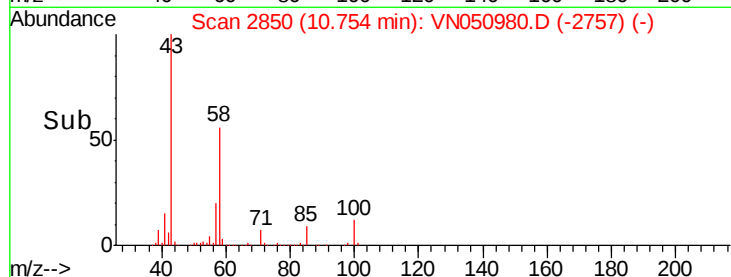
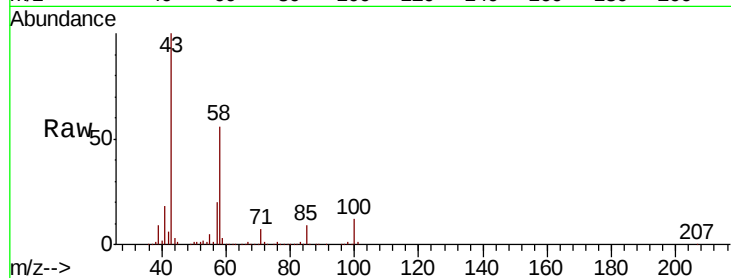
#59
2-Hexanone
Concen: 81.41 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.0	28.3	85.0

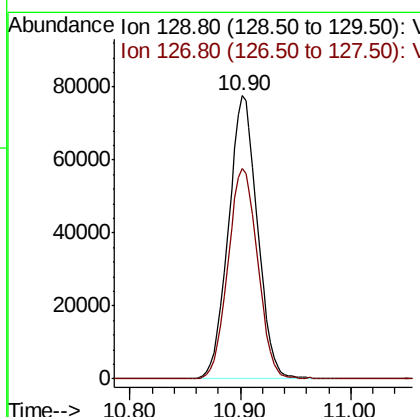
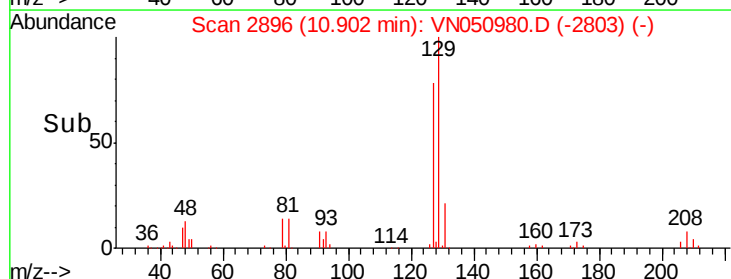
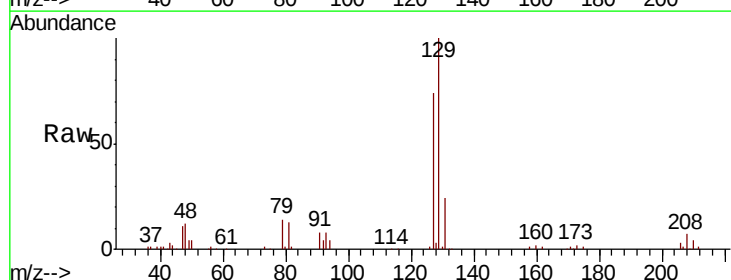
Manual Integrations
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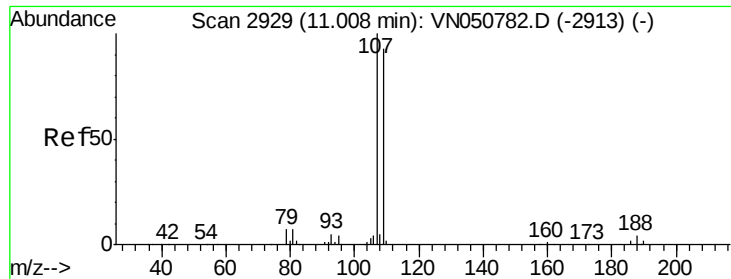
MMDadoda
9/4/2018 12:27:49 PM



#60
Dibromochloromethane
Concen: 19.66 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.3	114.9





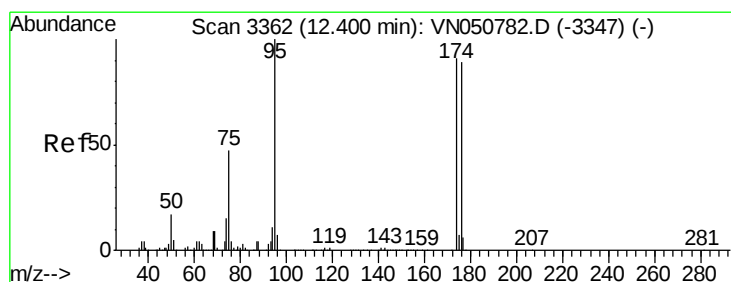
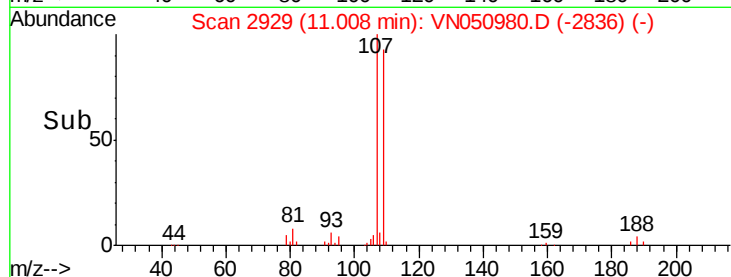
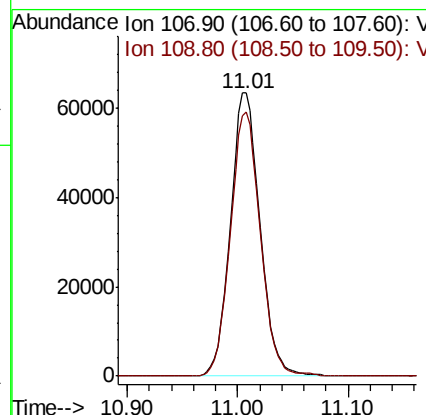
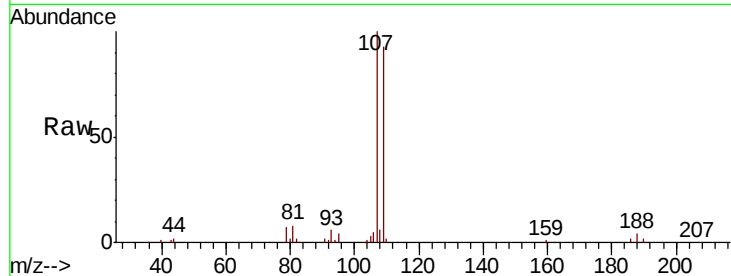
#61
 1,2-Dibromoethane
 Concen: 18.96 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2

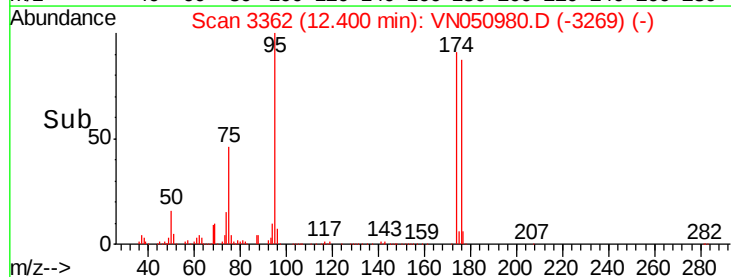
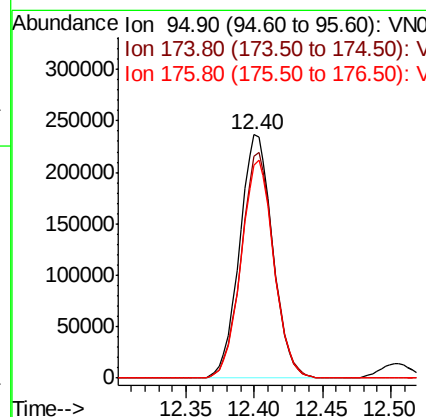
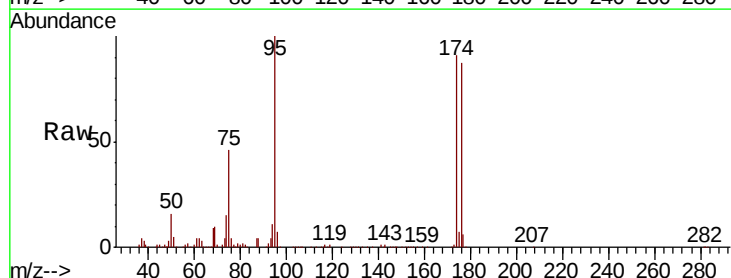
Manual Integrations
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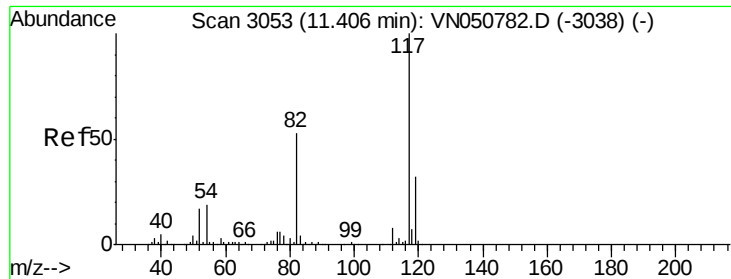
MMDadoda
 9/4/2018 12:27:49 PM



#62
 4-Bromofluorobenzene
 Concen: 48.89 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	183.0
176	88.6	0.0	178.8





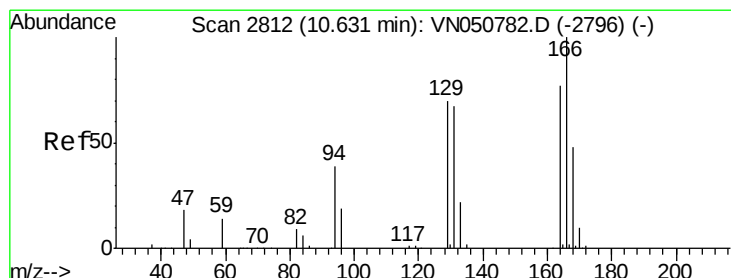
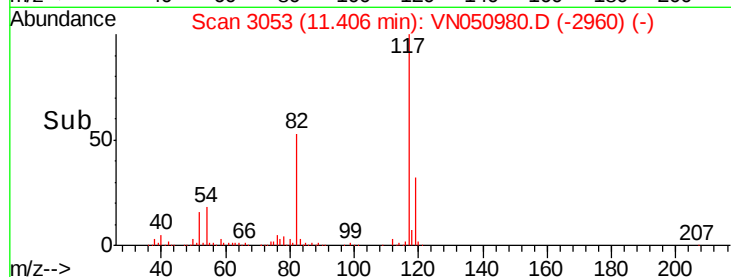
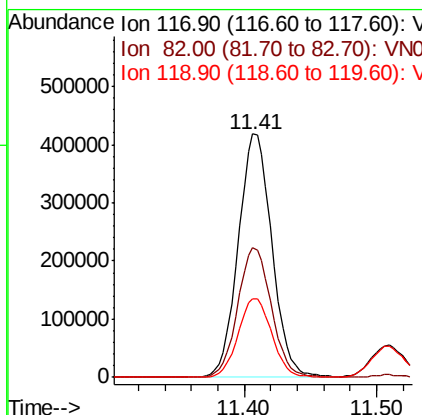
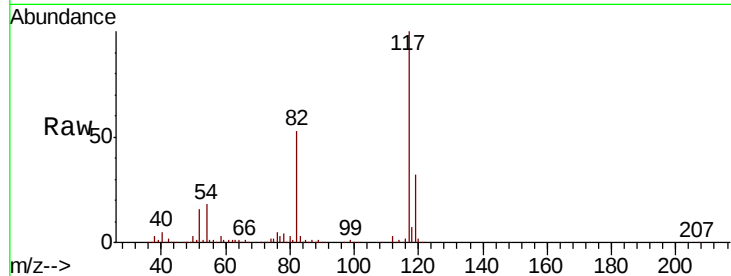
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	64.0
119	32.4	25.8	38.6

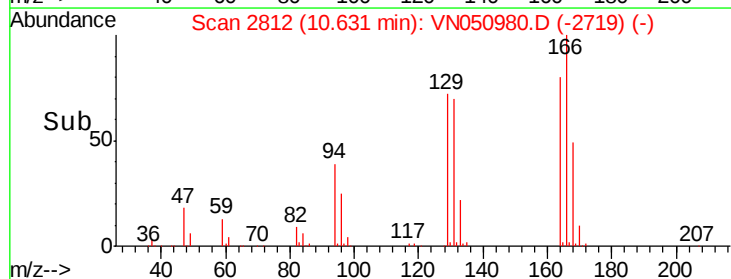
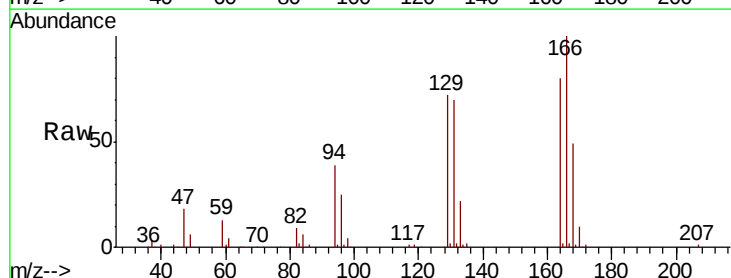
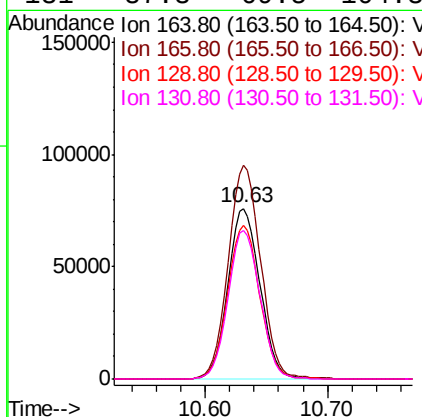
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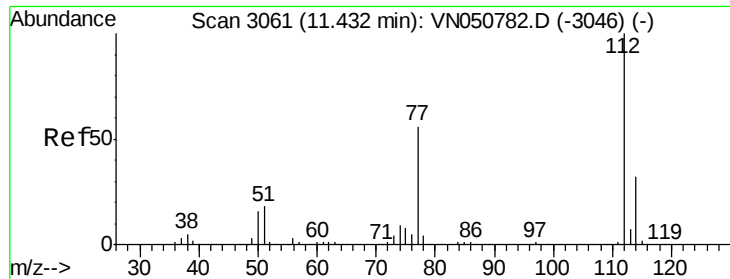
MMDadoda
9/4/2018 12:27:49 PM



#64
Tetrachloroethene
Concen: 19.86 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	103.5	155.3
129	89.7	72.7	109.1
131	87.3	69.5	104.3





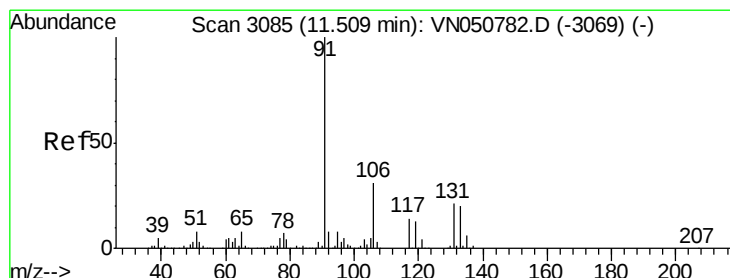
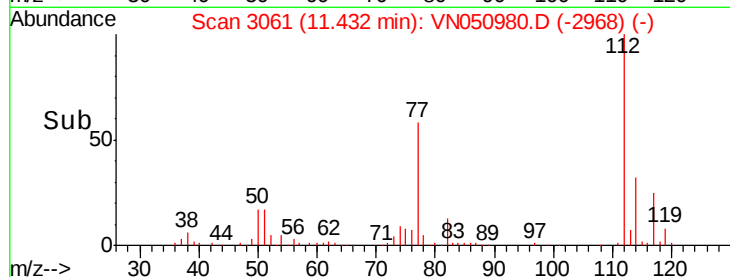
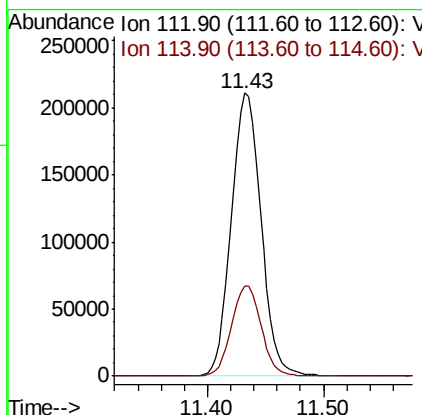
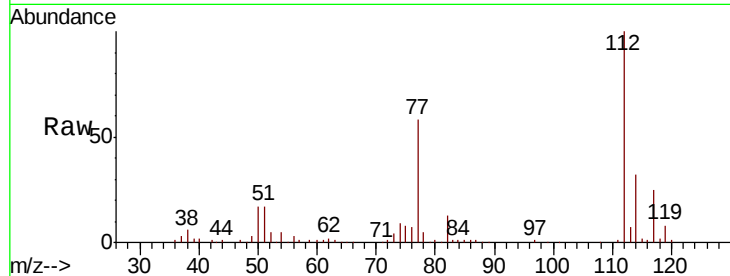
#65
Chlorobenzene
Concen: 19.34 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampled :
VN0831WBS01

Tot Ion:112 Resp: 373399
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

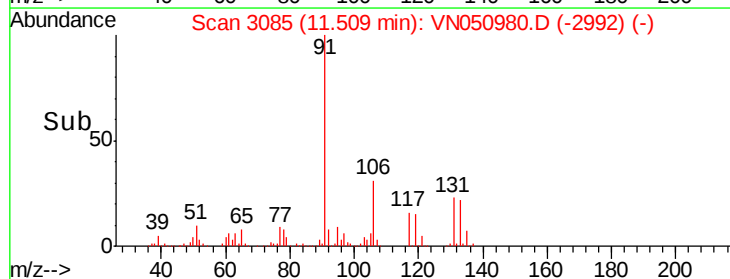
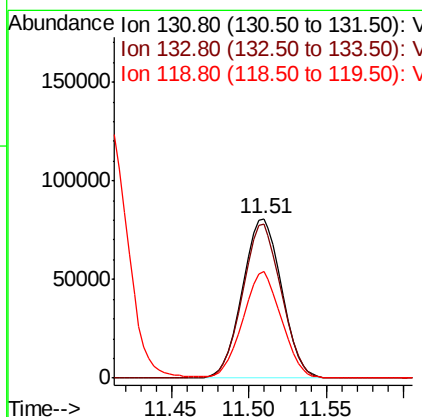
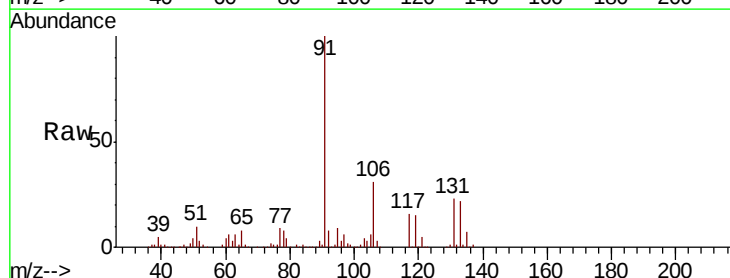
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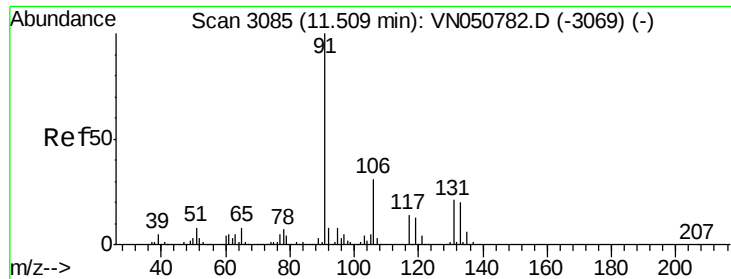
MMDadoda
9/4/2018 12:27:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.28 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion:131 Resp: 143233
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.3
119 65.5 32.8 98.4





#67

Ethyl Benzene

Concen: 19.43 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

Tot Ion: 91 Resp: 609798

Ion Ratio Lower Upper

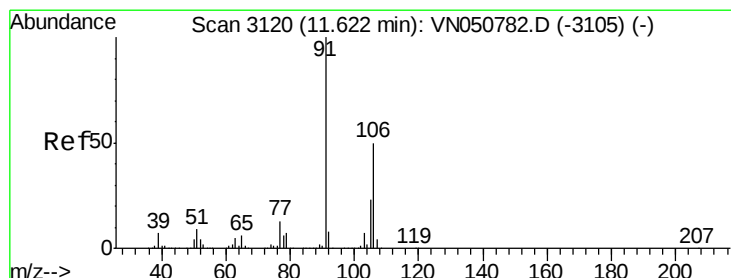
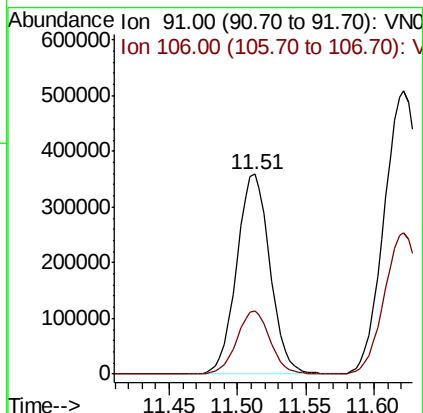
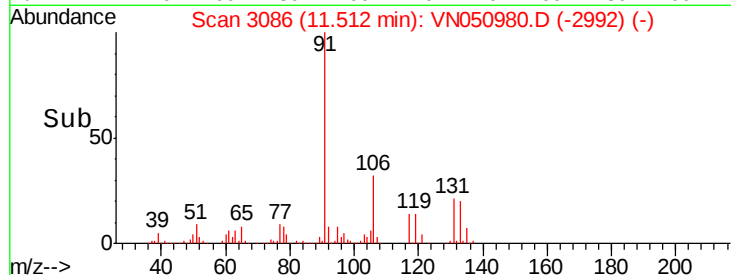
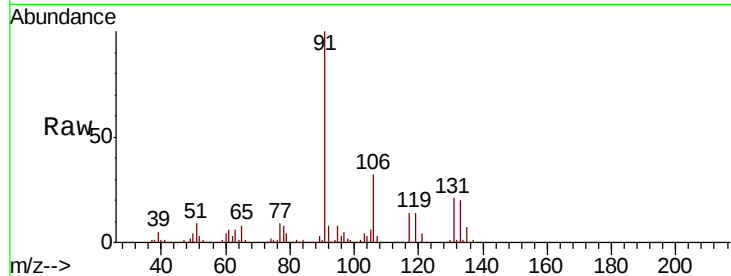
91 100

106 31.5 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.54 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050980.D

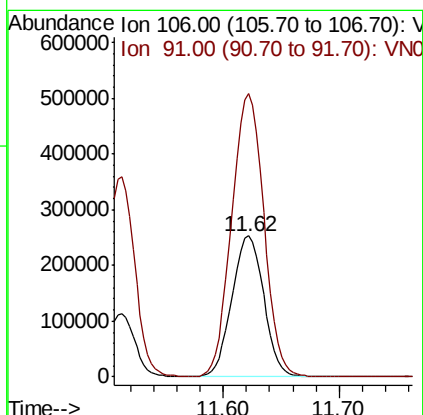
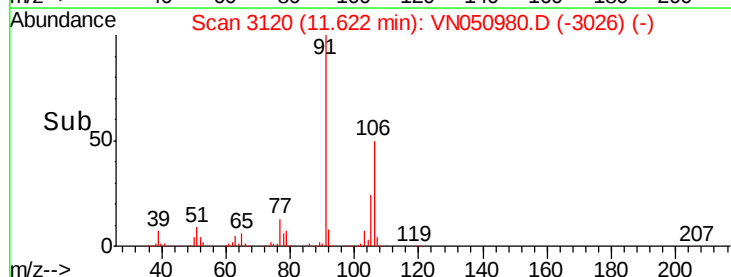
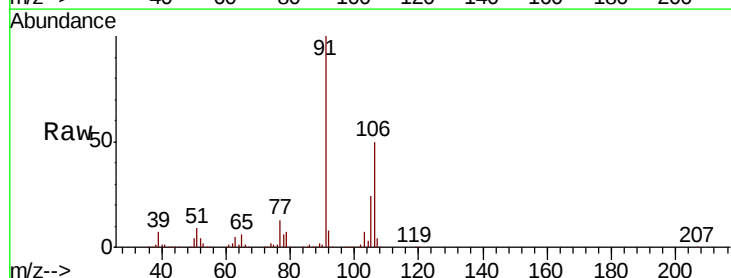
Acq: 31 Aug 2018 11:58

Tgt Ion: 106 Resp: 482862

Ion Ratio Lower Upper

106 100

91 202.2 161.0 241.6





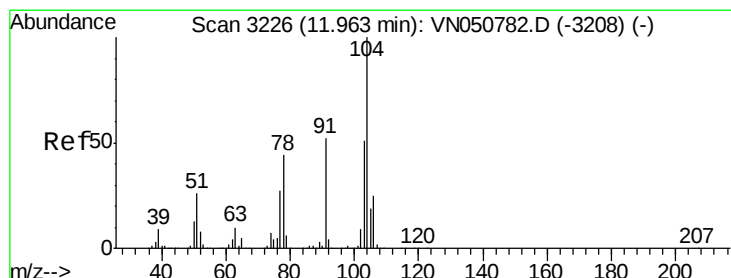
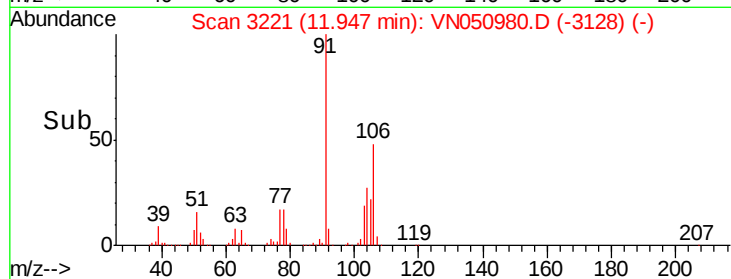
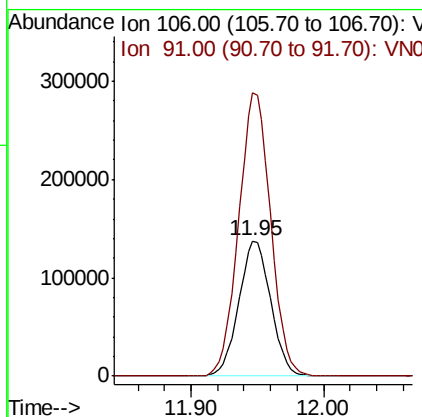
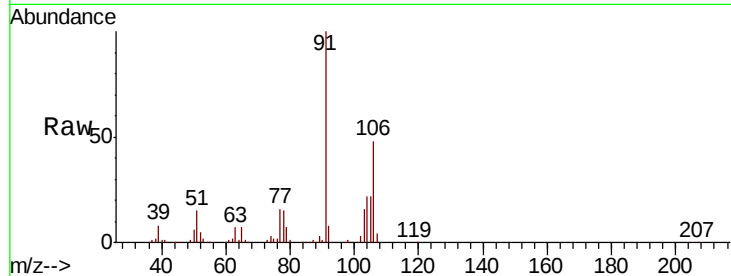
#69
o-Xylene
Concen: 20.04 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		229523		
91	210.0	106.5	319.5		

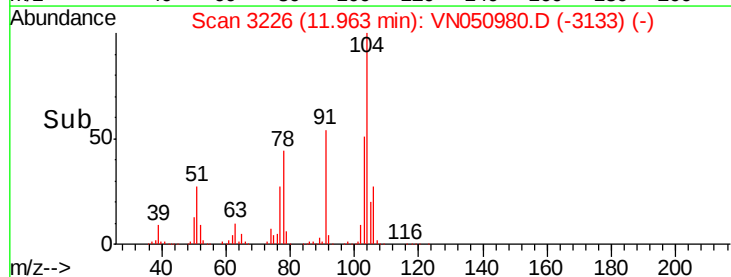
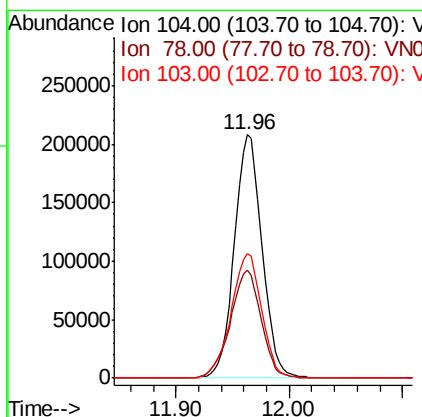
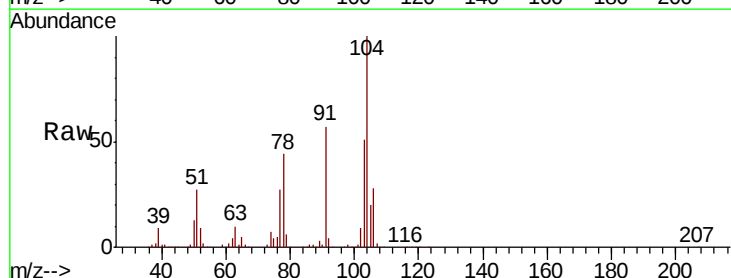
Manual Integrations
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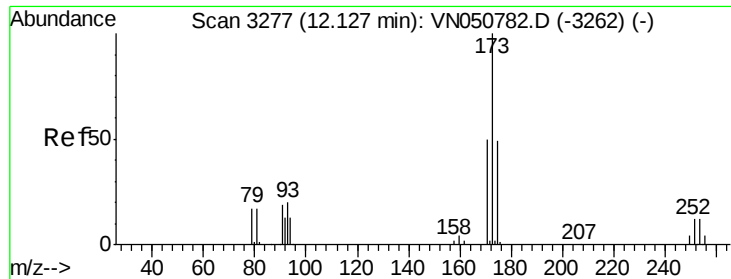
MMDadoda
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#70
Styrene
Concen: 18.46 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		356024		
78	49.1	38.2	57.4		
103	56.2	44.4	66.6		





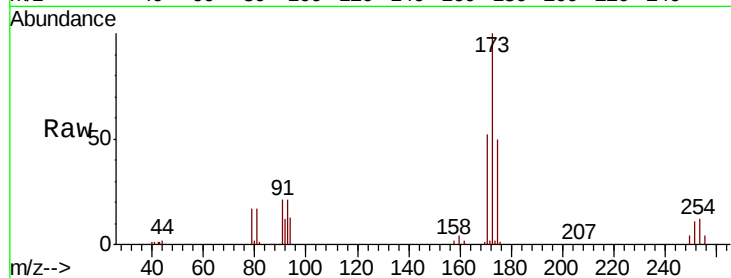
#71
Bromoform
Concen: 19.27 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

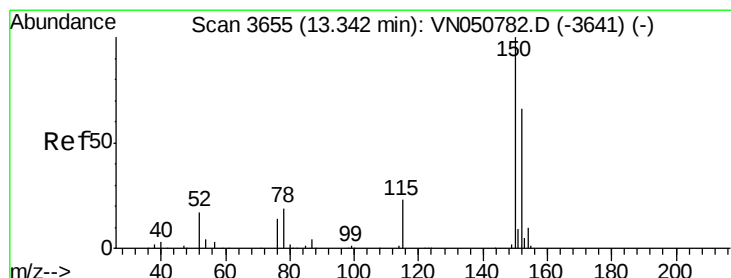
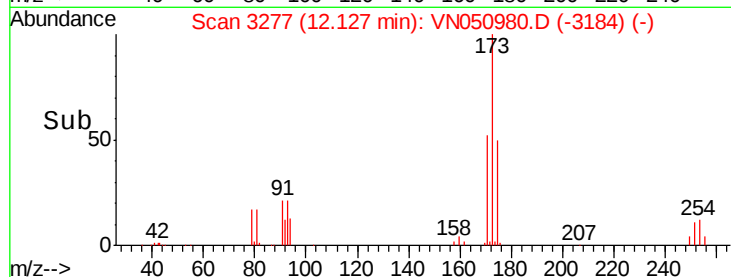
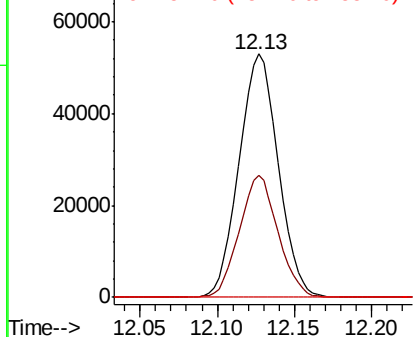
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.4
254	0.0	0.1	0.1#

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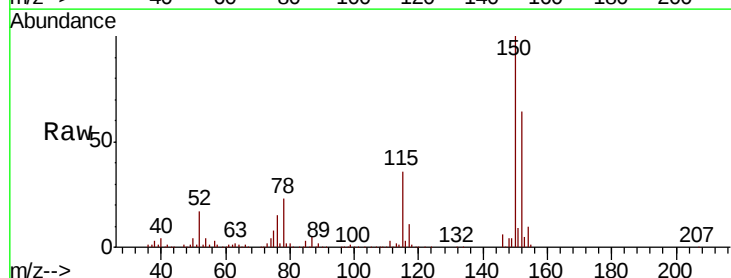


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

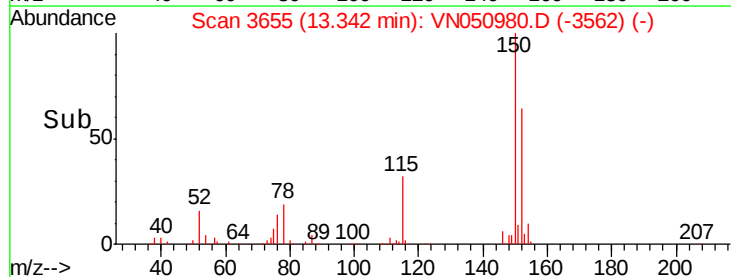
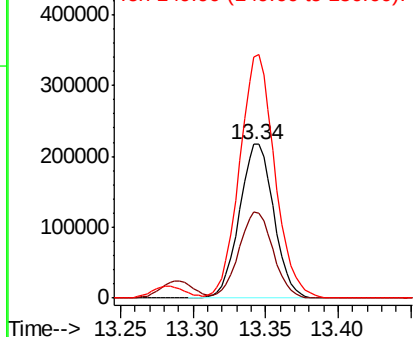


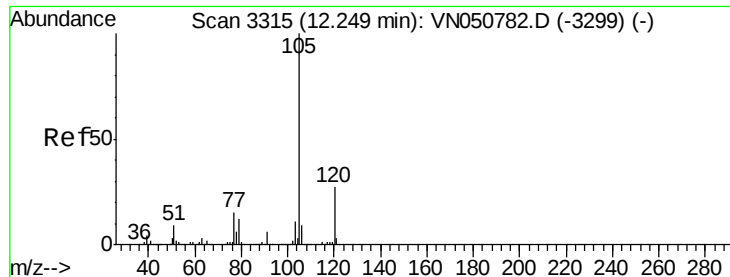
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.4
150	161.7	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.57 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

Tot Ion:105 Resp: 611280

Ion Ratio Lower Upper

105 100

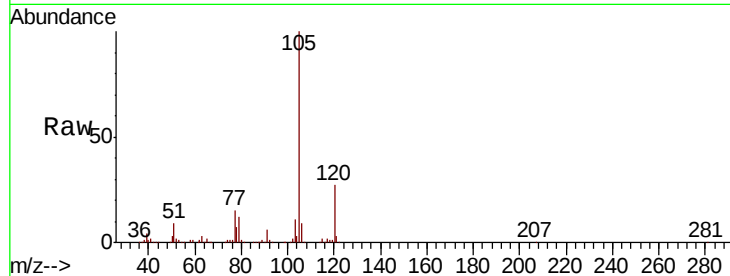
120 26.6 13.5 40.4

Manual Integrations

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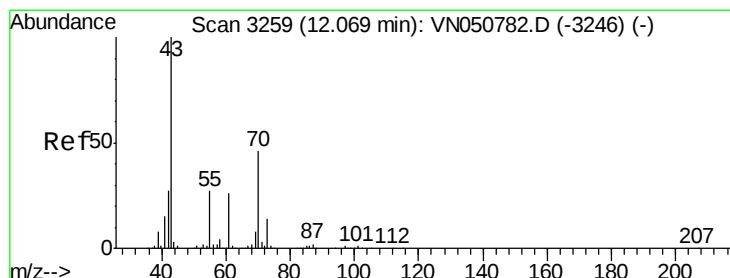
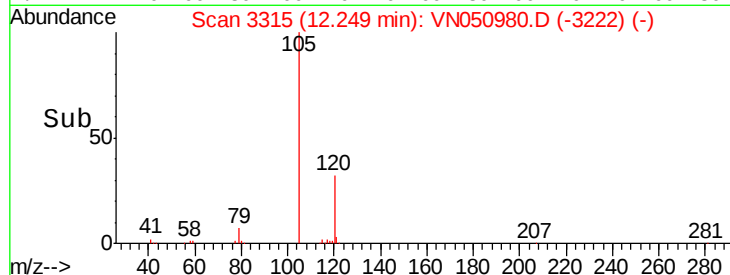
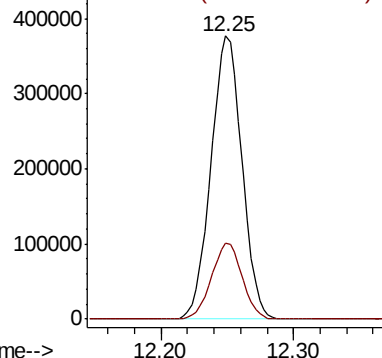
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.38 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion: 43 Resp: 129818

Ion Ratio Lower Upper

43 100

70 45.3 36.2 54.2

55 28.2 21.8 32.8

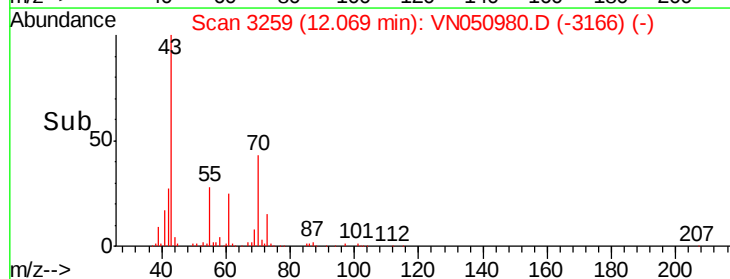
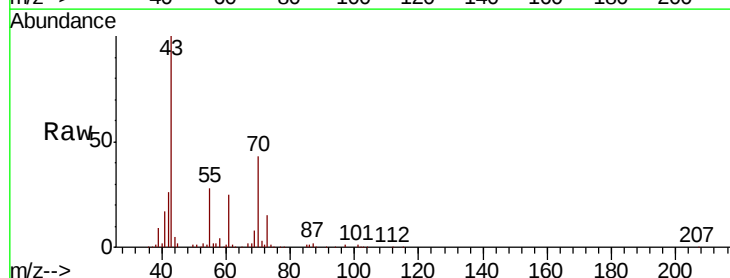
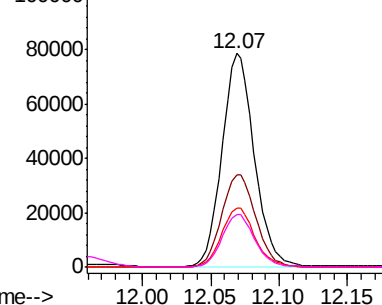
61 24.9 20.5 30.7

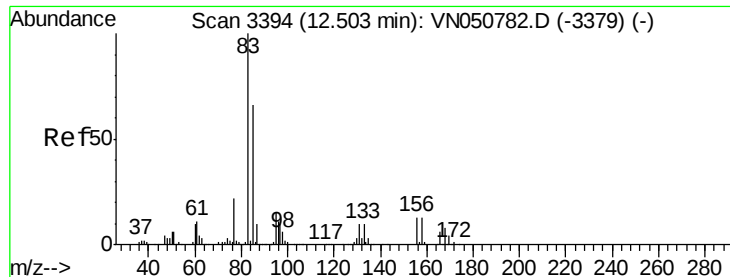
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.27 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

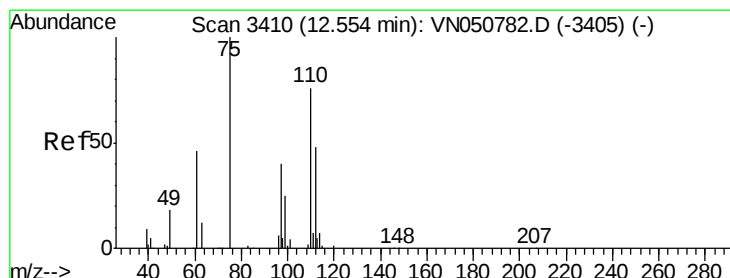
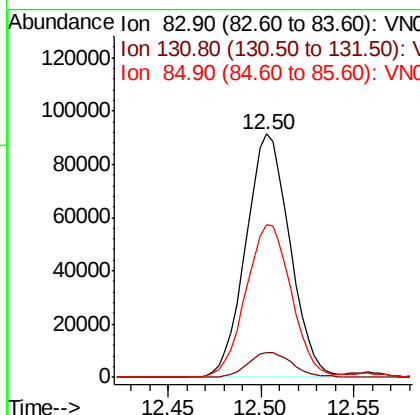
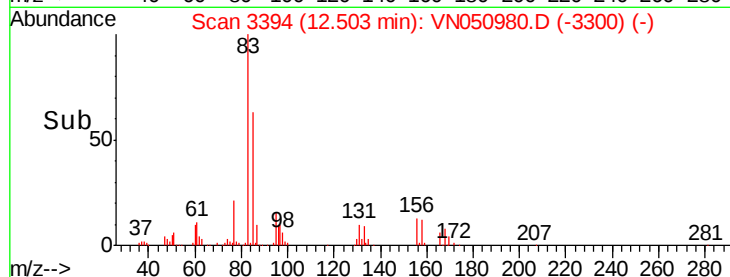
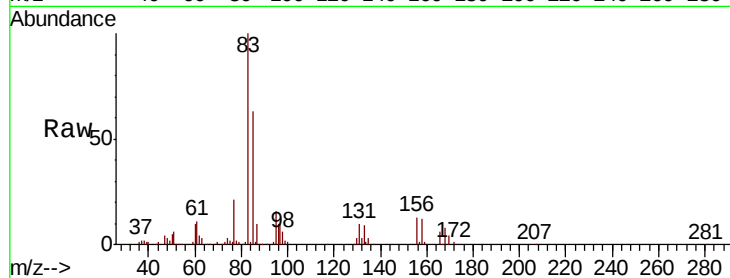
ClientSampled :

VN0831WBS01

Tot Ion:	83	Resp:	150511
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	65.0	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.19 ug/l m

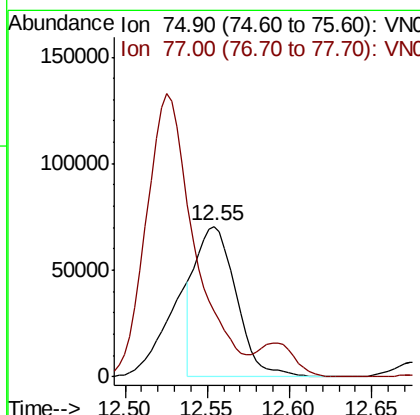
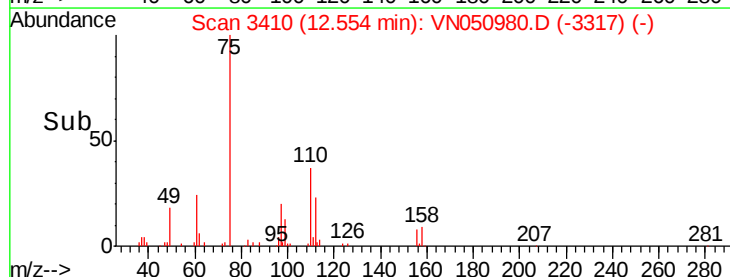
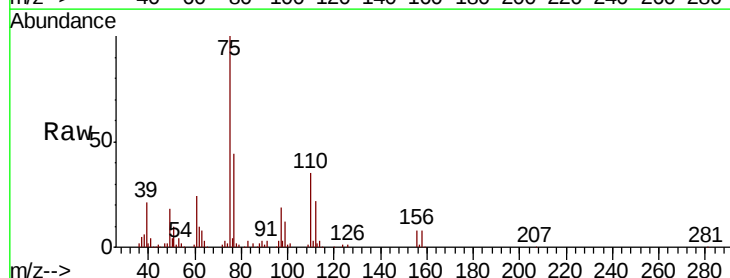
RT: 12.55 min Scan# 3410

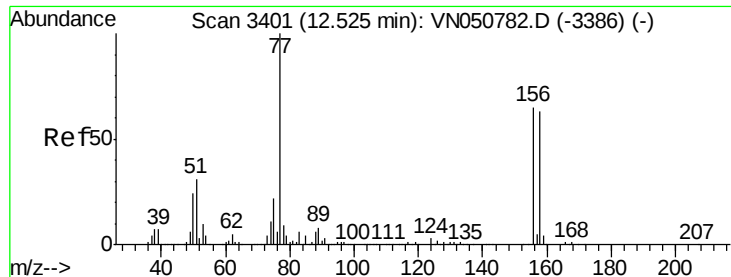
Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion:	75	Resp:	120668
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.69 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

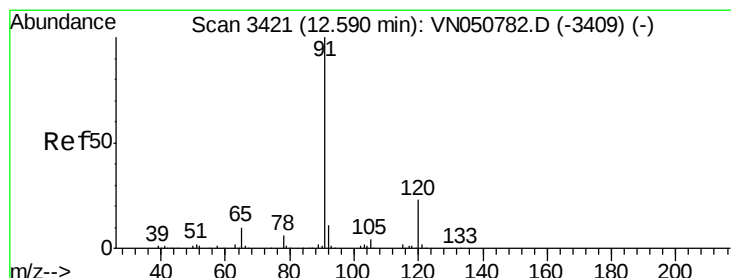
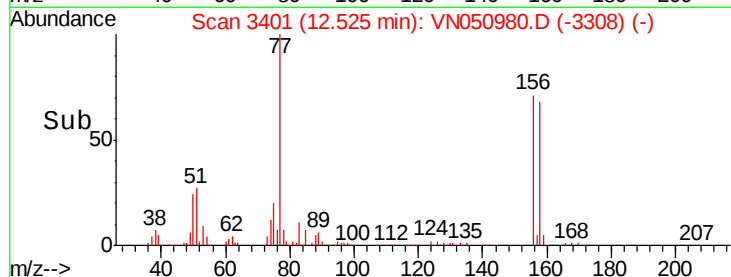
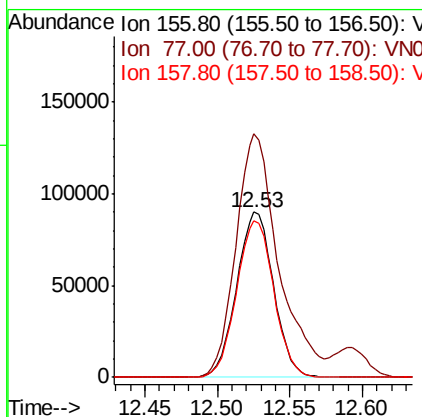
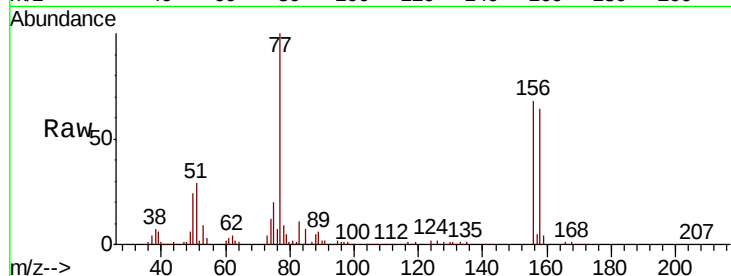
ClientSampled :

VN0831WBS01

Tot Ion:	156	Resp:	159002
Ion Ratio	Lower	Upper	
156	100		
77	170.6	89.9	269.7
158	95.9	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.50 ug/l

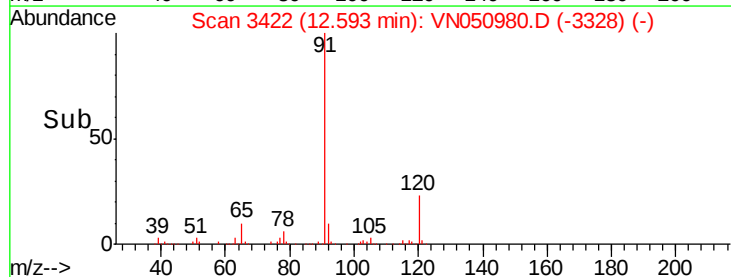
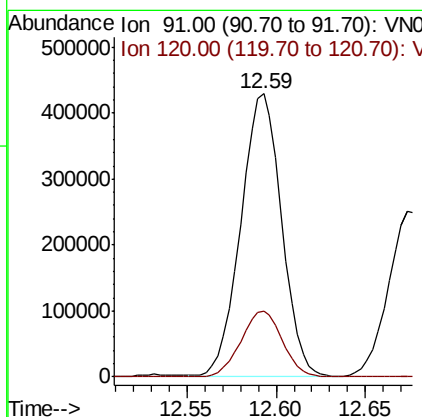
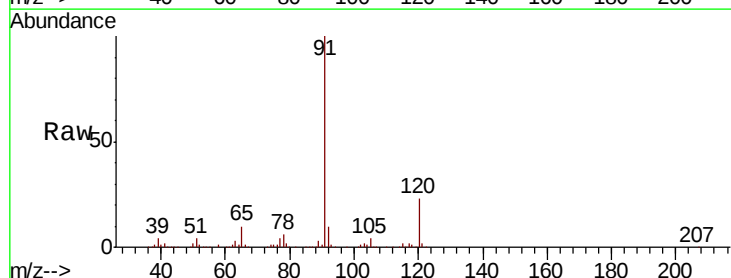
RT: 12.59 min Scan# 3422

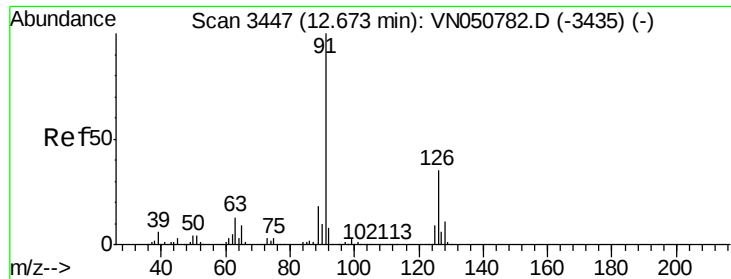
Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion:	91	Resp:	680627
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.09 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0831WBS01

Tot Ion: 91 Resp: 415493

Ion Ratio Lower Upper

91 100

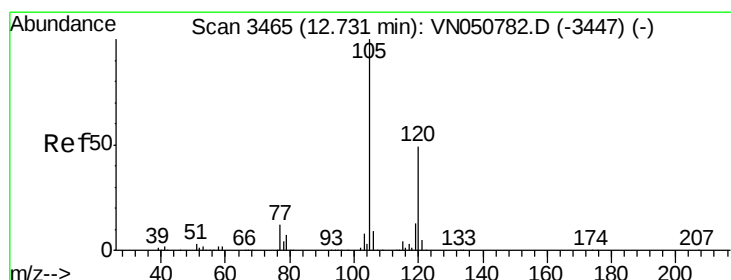
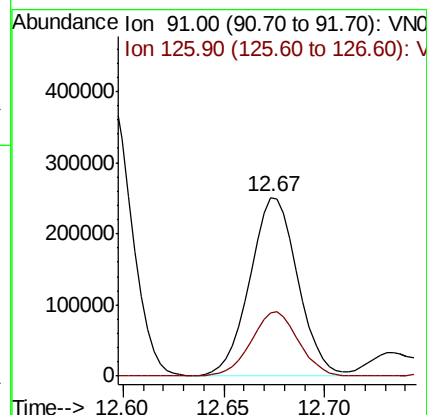
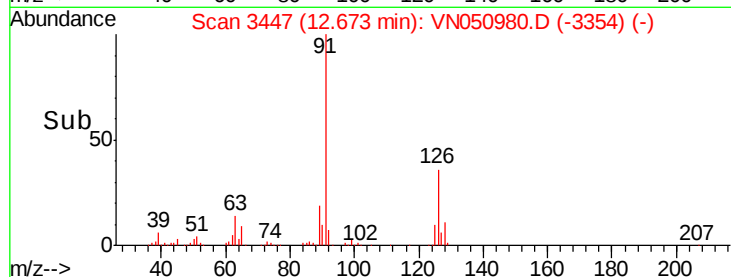
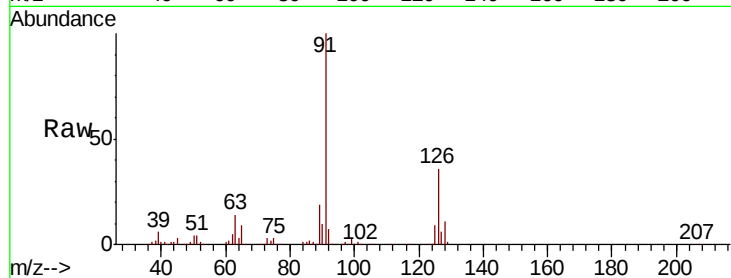
126 35.7 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.05 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050980.D

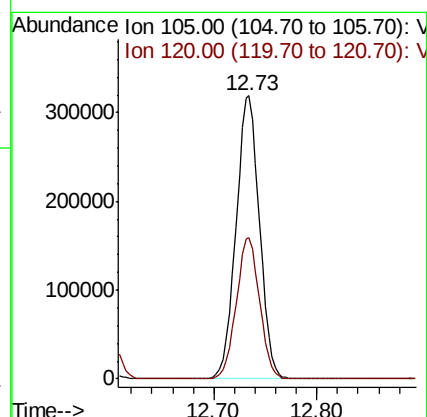
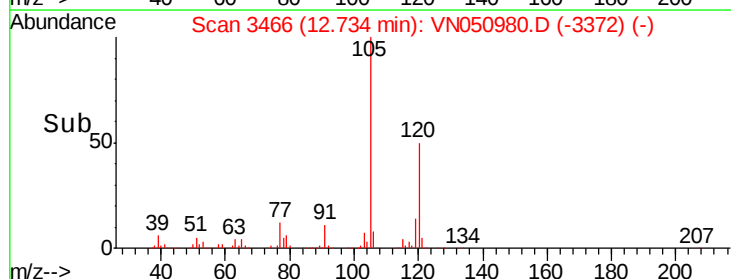
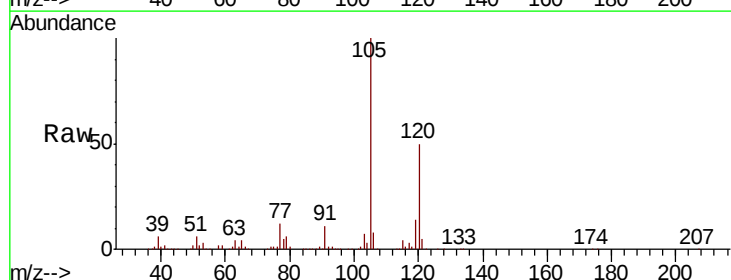
Acq: 31 Aug 2018 11:58

Tgt Ion: 105 Resp: 504876

Ion Ratio Lower Upper

105 100

120 49.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.71 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

Tot Ion: 75 Resp: 32929

Ion Ratio Lower Upper

75 100

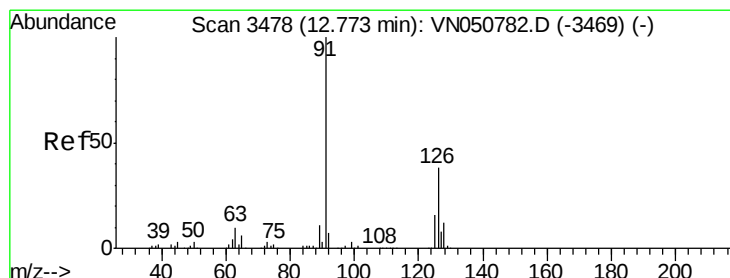
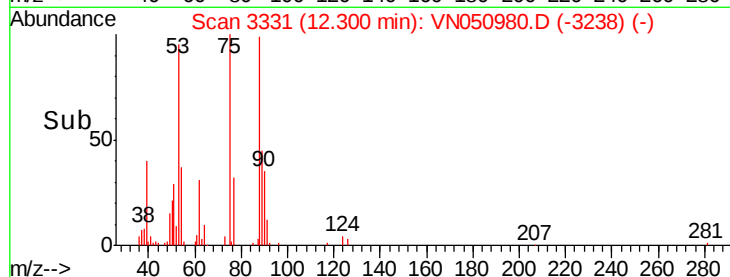
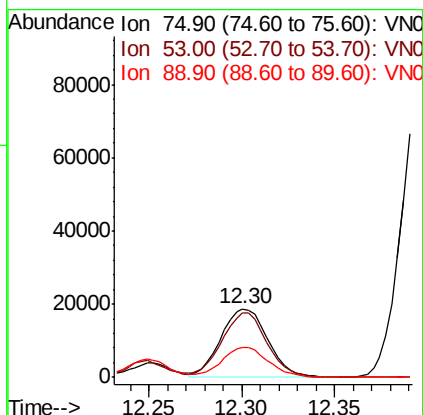
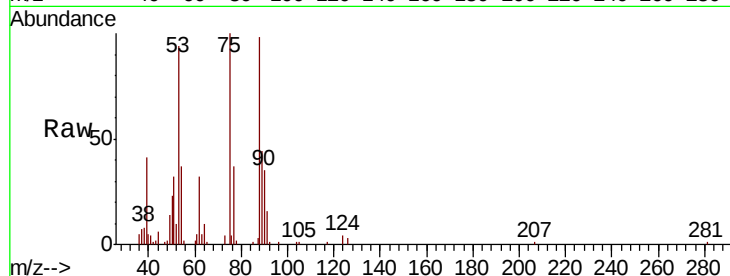
53 91.6 68.9 103.3

89 43.4 36.1 54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.24 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050980.D

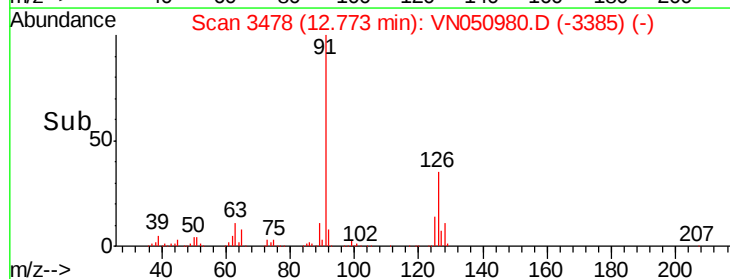
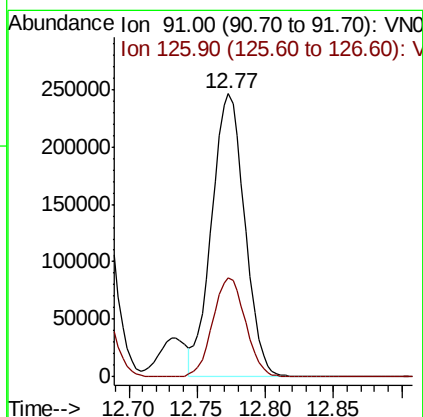
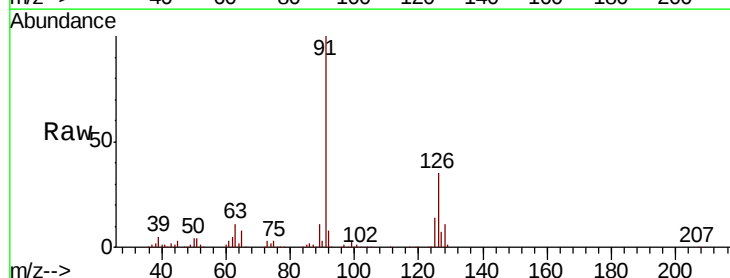
Acq: 31 Aug 2018 11:58

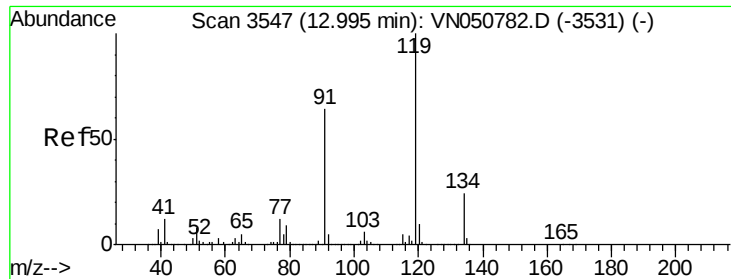
Tgt Ion: 91 Resp: 413215

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.5





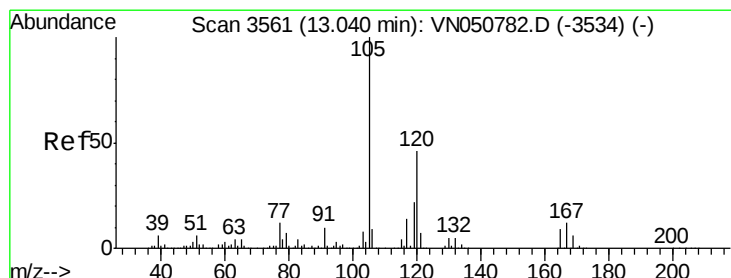
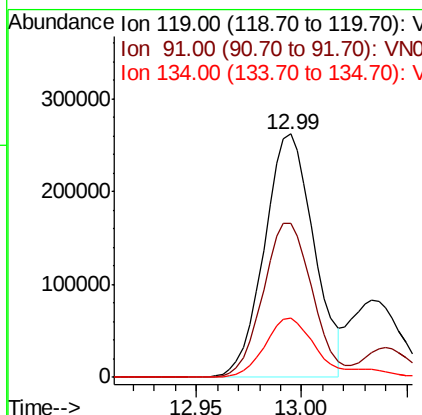
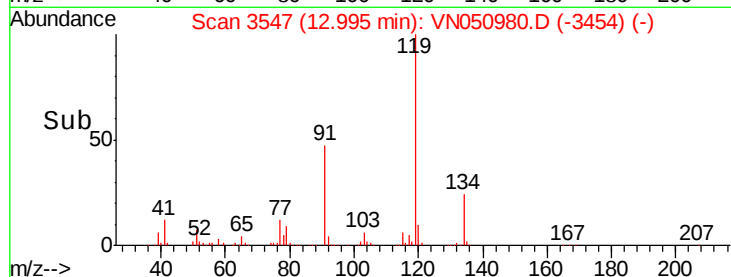
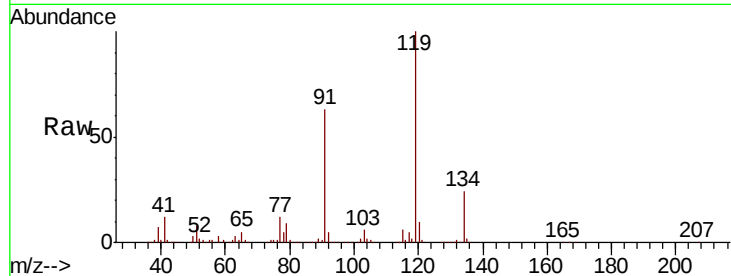
#83
tert-Butylbenzene
Concen: 20.64 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	428685		
91	63.4		31.6	94.7
134	24.6		13.4	40.1

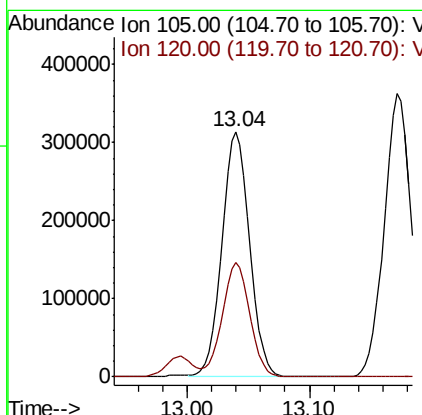
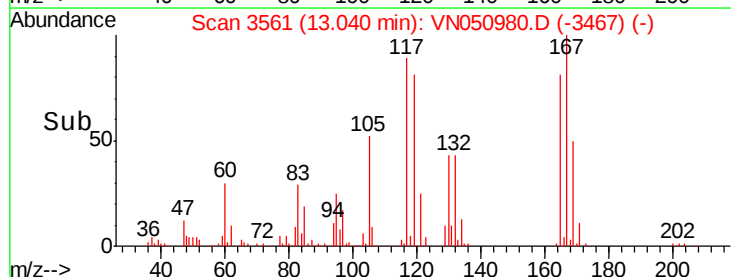
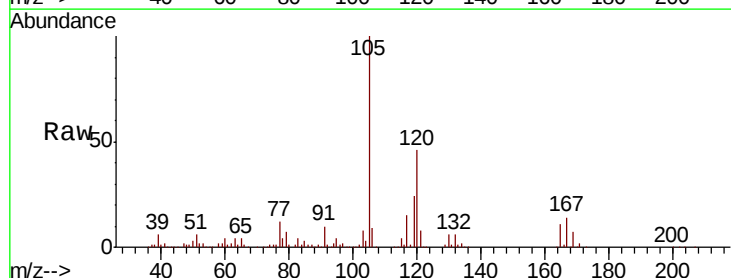
Manual Integrations
APPROVED

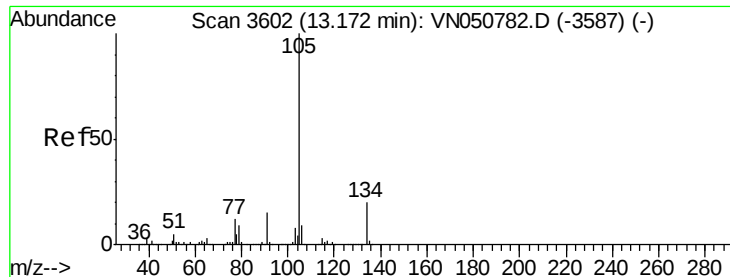
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.74 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	500209		
120	46.1		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.70 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBS01

Tot Ion:105 Resp: 563243

Ion Ratio Lower Upper

105 100

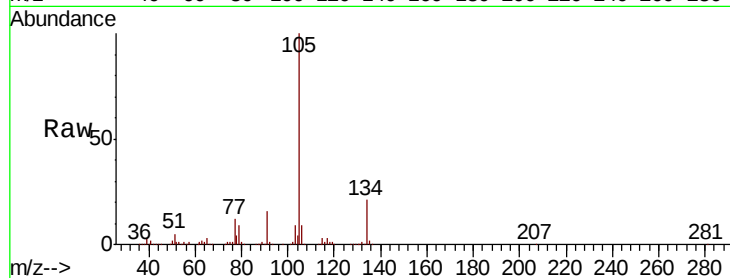
134 20.9 10.3 30.8

Manual Integrations

APPROVED

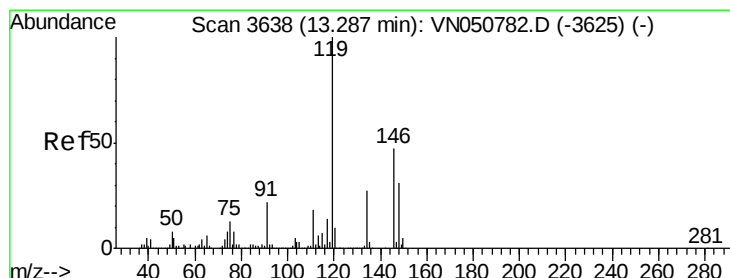
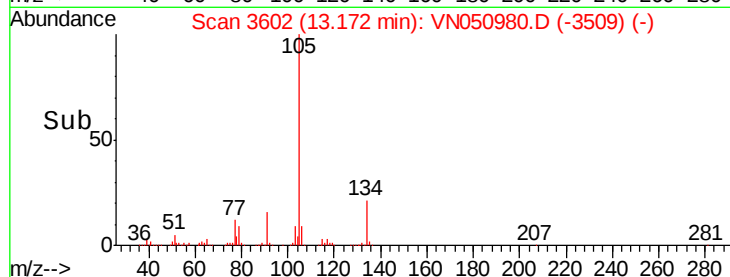
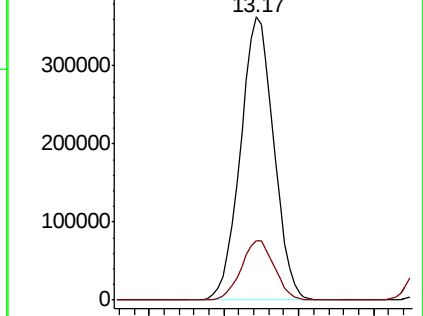
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.95 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

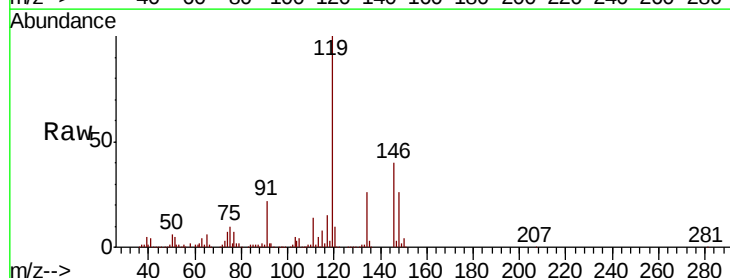
Tgt Ion:119 Resp: 485856

Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.0

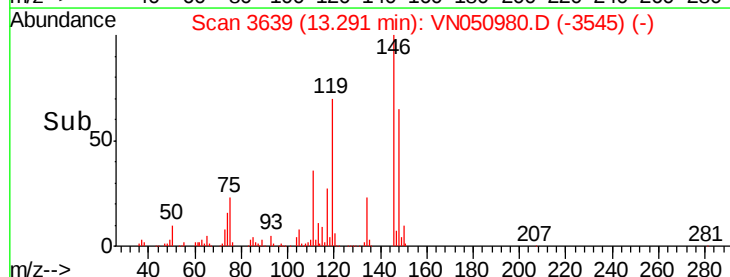
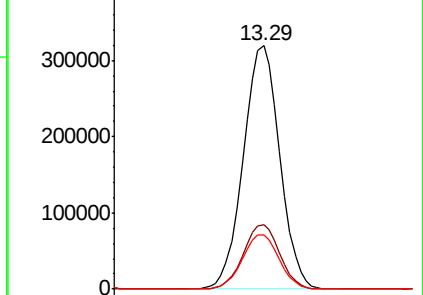
91 22.4 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





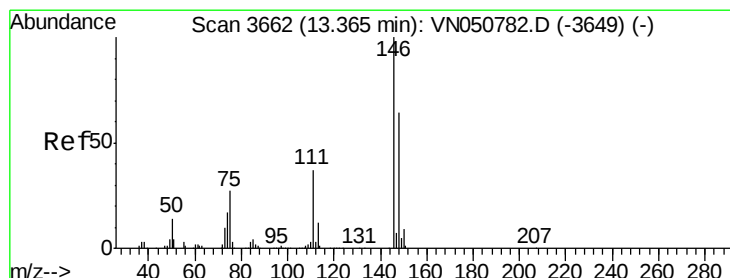
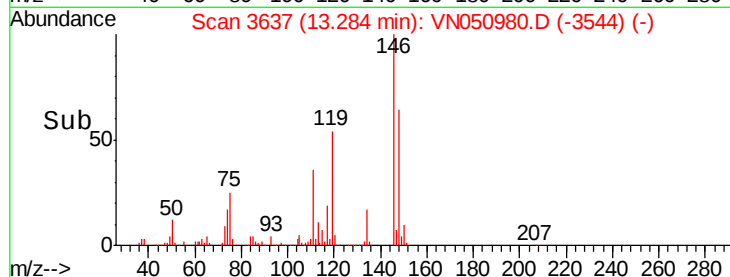
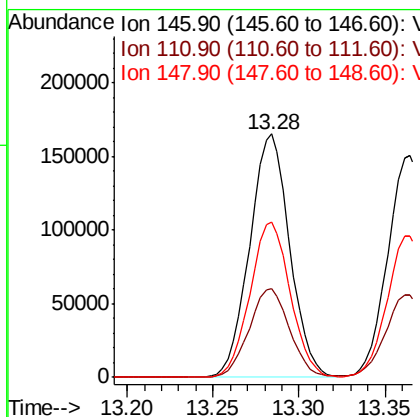
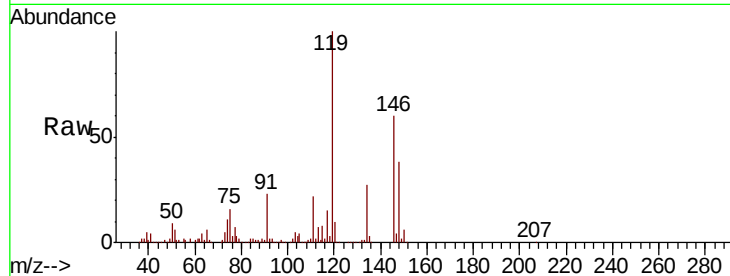
#87
 1,3-Dichlorobenzene
 Concen: 19.46 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	266783		
111	37.0	19.1	57.3	
148	64.1	32.2	96.6	

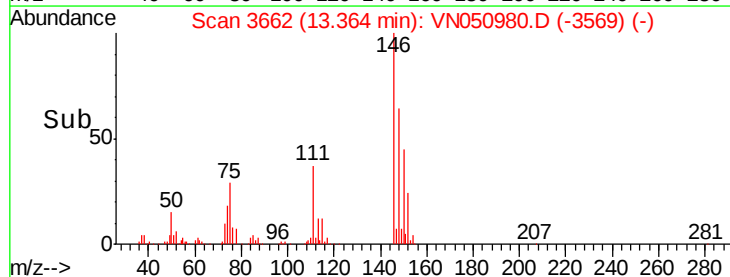
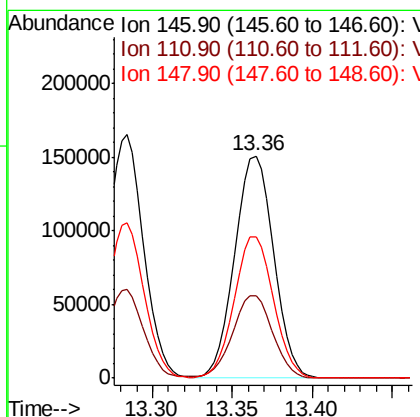
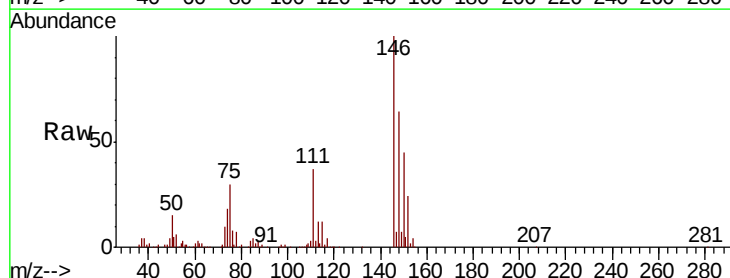
Manual Integrations
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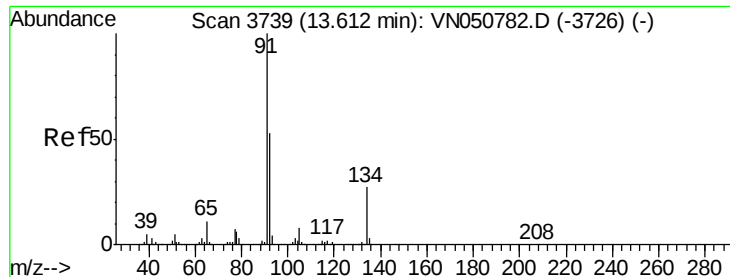
MMDadoda
 9/4/2018 12:27:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.63 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	251306		
111	38.4	18.8	56.3	
148	64.0	32.2	96.6	





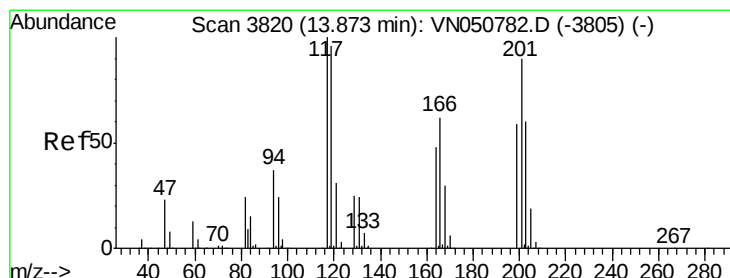
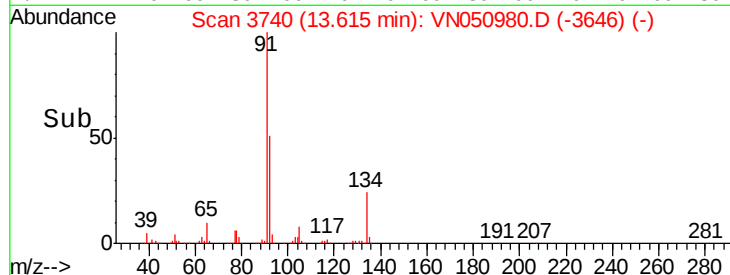
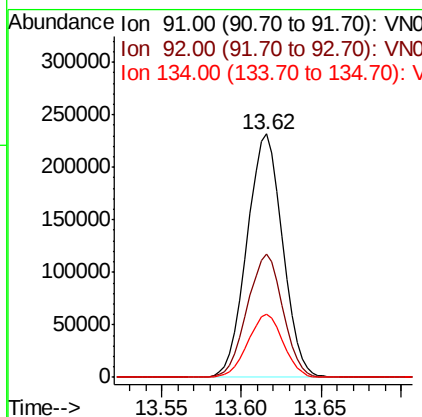
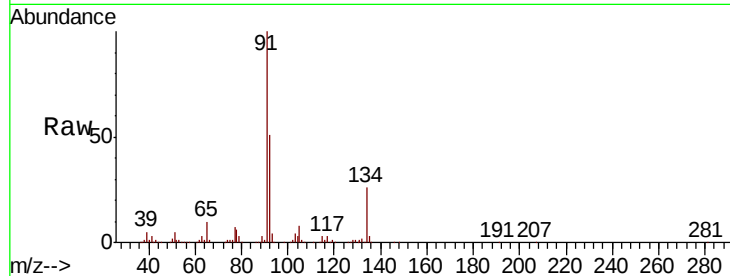
#89
n-Butylbenzene
Concen: 19.00 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.1	78.2
134	25.8	13.2	39.6

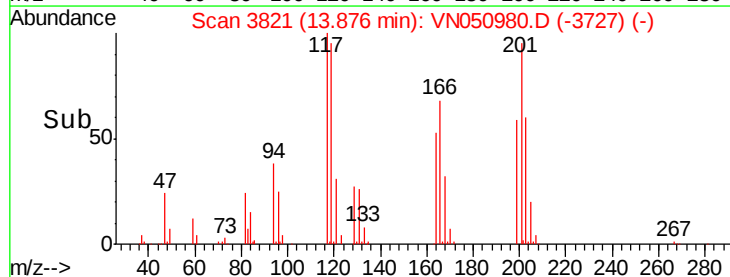
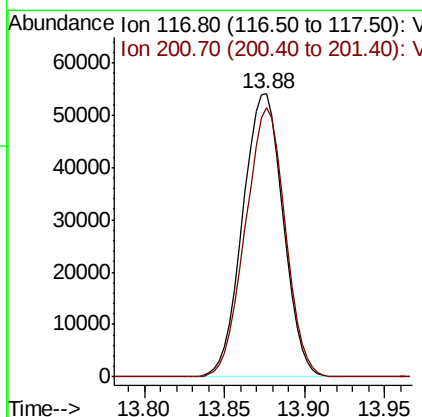
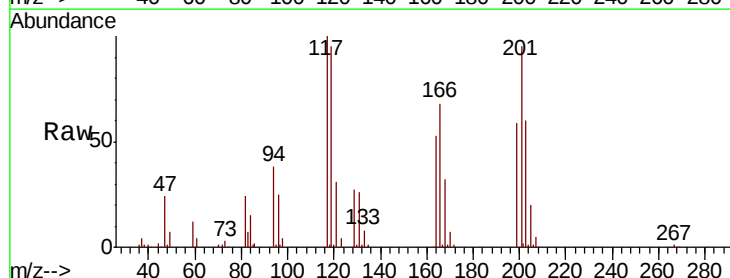
Manual Integrations
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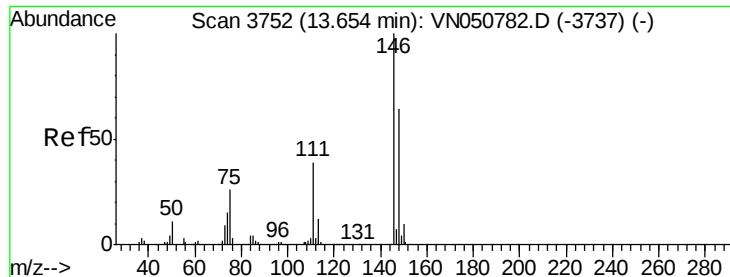
MMDadoda
9/4/2018 12:27:49 PM



#90
Hexachloroethane
Concen: 21.32 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050980.D
Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	46.0	137.8





#91

1,2-Dichlorobenzene

Concen: 19.18 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

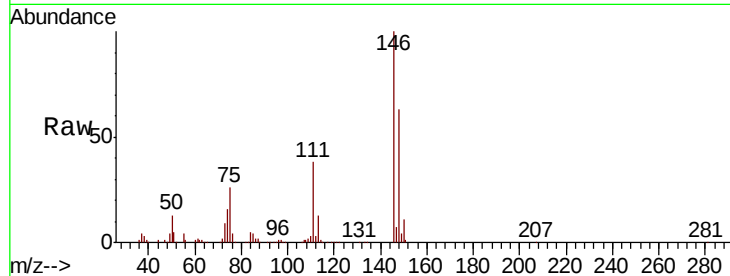
ClientSampleId :

VN0831WBS01

Tot Ion:	146	Resp:	253619
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.8	59.3
148	63.6	32.3	96.8

Manual Integrations
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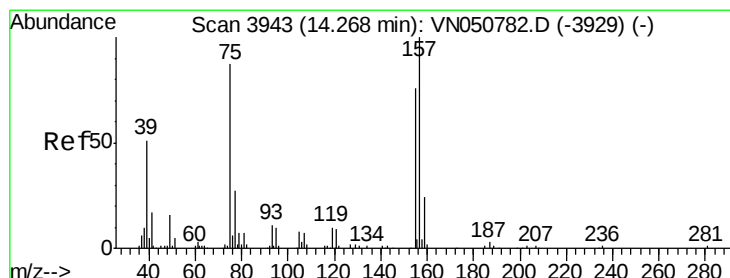
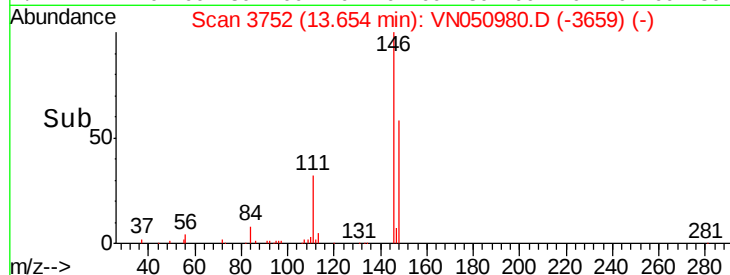
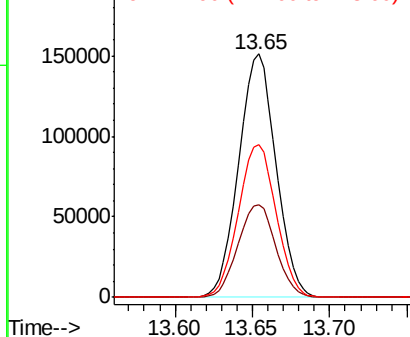


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.26 ug/l

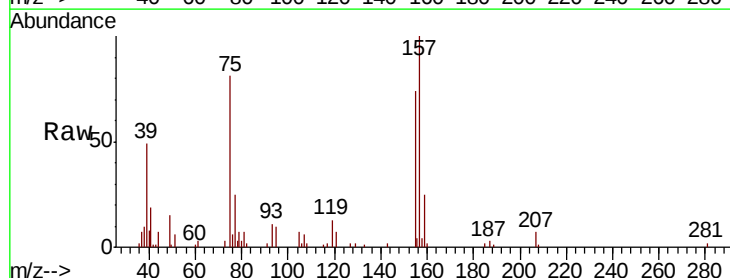
RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion:	75	Resp:	18418
Ion Ratio	Lower	Upper	
75	100		
155	93.6	46.4	139.1
157	121.2	60.7	182.0

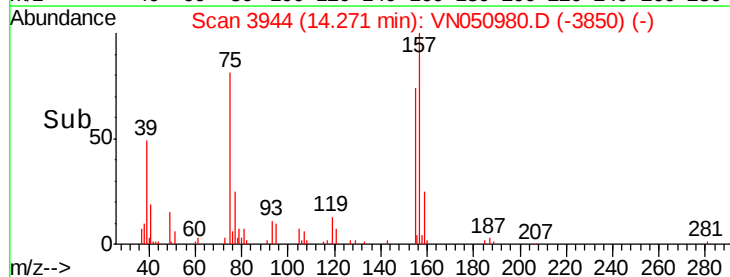
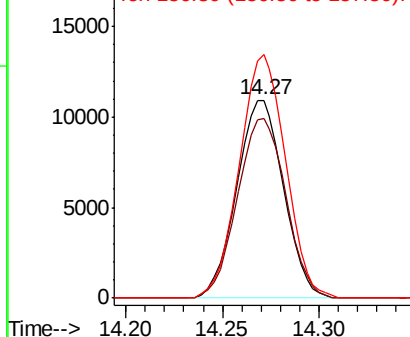


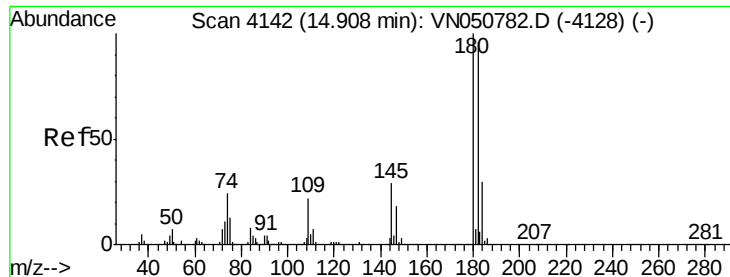
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





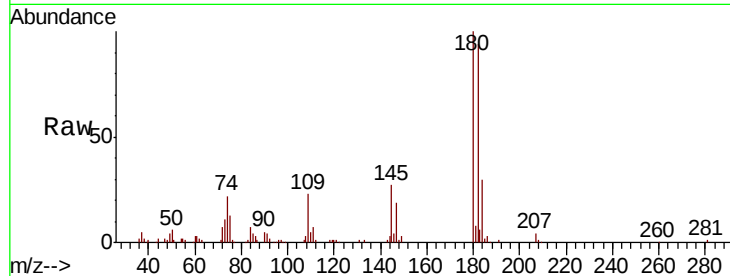
#93
 1,2,4-Trichlorobenzene
 Concen: 16.26 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBS01

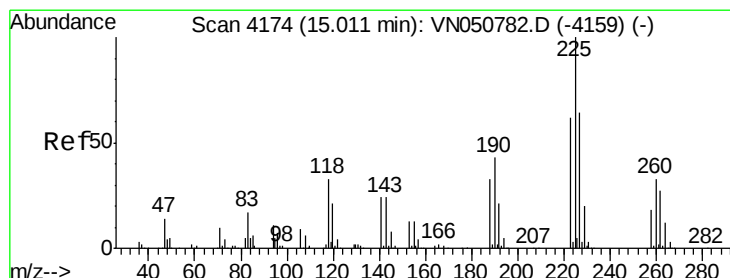
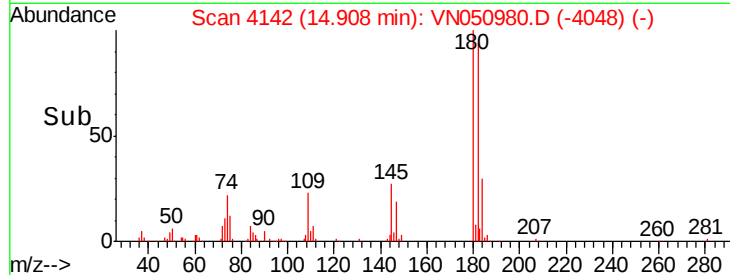
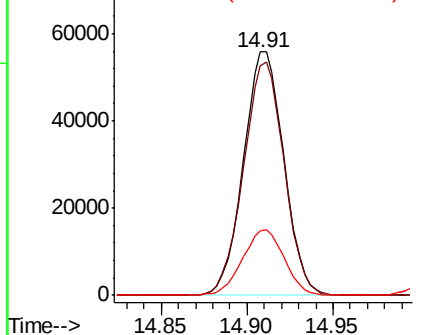
Tot Ion	Ratio	Resp	Lower	Upper
180	100	91189		
182	96.0	48.2	144.6	
145	27.6	14.1	42.2	

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:27:49 PM

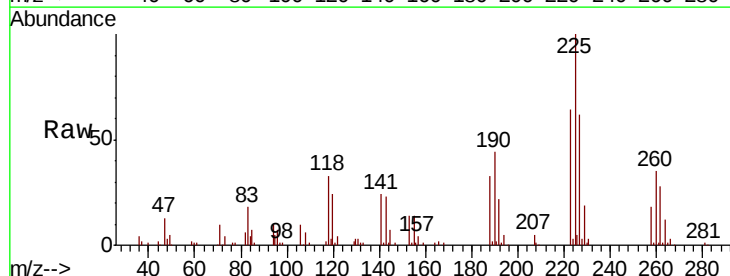


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

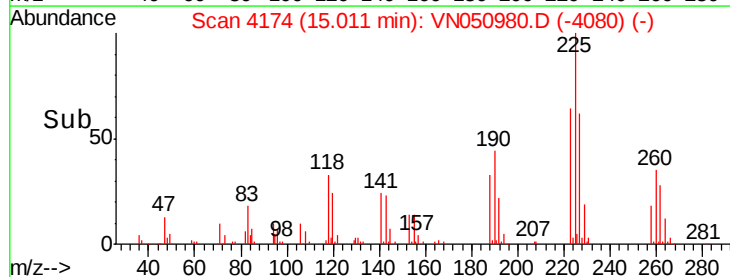
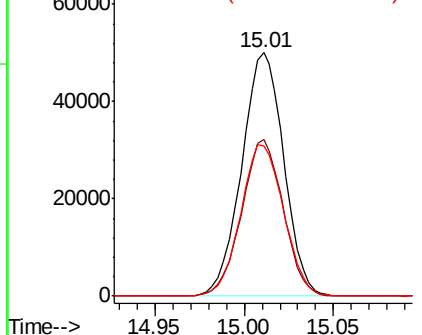


#94
 Hexachlorobutadiene
 Concen: 20.42 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050980.D
 Acq: 31 Aug 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82650		
223	63.4	31.3	93.8	
227	63.5	32.0	96.2	



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





#95

Naphthalene

Concen: 15.25 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Instrument :

MSVOA_N

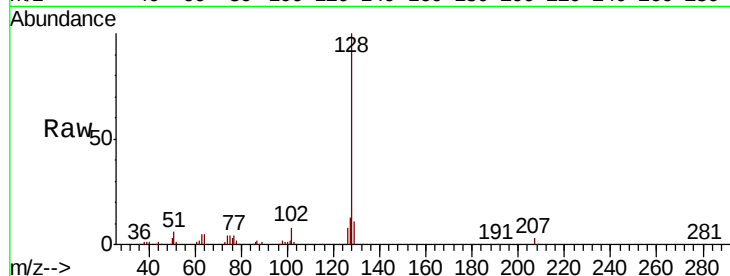
ClientSampleId :

VN0831WBS01

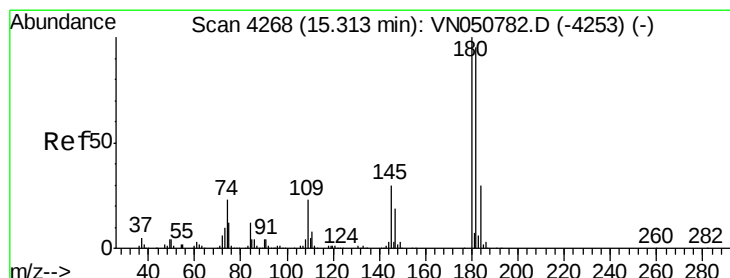
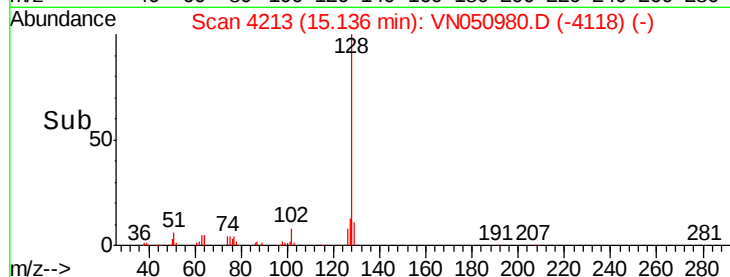
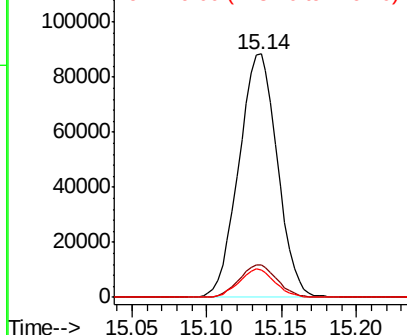
Tot Ion:	128	Resp:	158415
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:27:49 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.15 ug/l

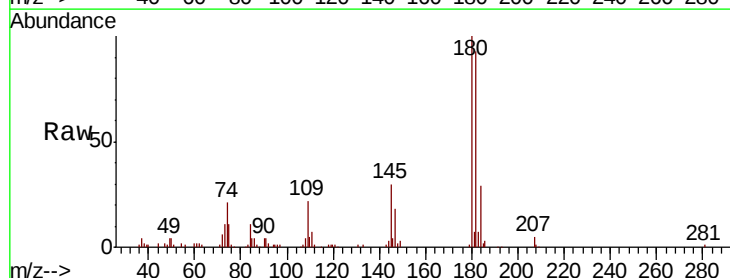
RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050980.D

Acq: 31 Aug 2018 11:58

Tgt Ion:	180	Resp:	95649
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.2
145	30.4	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

