

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050308.D
 Acq On : 3 Aug 2018 12:27
 Operator : MD\SY
 Sample : VN0803WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0803WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:38:13 AM

Quant Time: Aug 03 23:20:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	125858	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	645518	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	561145	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	258817	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	12.40	95	247454	28.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.67%
63) Toluene-d8	10.09	98	806248	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	137814	15.89	ug/l	98
3) Chloromethane	2.06	50	129658	14.50	ug/l	100
4) Vinyl Chloride	2.18	62	149643	15.72	ug/l	96
5) Bromomethane	2.56	94	40781	7.03	ug/l	98
6) Chloroethane	2.70	64	90775	16.12	ug/l	98
7) Trichlorofluoromethane	3.01	101	204763	16.46	ug/l	97
8) Diethyl Ether	3.41	74	77395	18.55	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	127499	16.85	ug/l	99
10) 1,1-Dichloroethene	3.73	96	109985	16.39	ug/l	95
11) Methyl Iodide	3.95	142	40814	4.13	ug/l	99
12) Methyl Acetate	4.33	43	194456	25.30	ug/l	95
13) Acrolein	3.61	56	13442	28.30	ug/l	95
14) Acrylonitrile	5.00	53	256276	99.91	ug/l	99
15) Acetone	3.82	58	67109	98.45	ug/l	97
16) Carbon Disulfide	4.05	76	291924	14.22	ug/l	99
17) Allyl chloride	4.32	41	183273	17.29	ug/l	99
18) Methylene Chloride	4.55	84	140876	18.19	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	118936	16.56	ug/l	96
20) Diisopropyl ether	5.96	45	415662	19.13	ug/l	95
21) 1,1-Dichloroethane	5.85	63	247319	18.10	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	143388	18.00	ug/l	98
23) tert-Butyl Alcohol	4.80	59	64281	112.16	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	357146	19.52	ug/l	98
25) Chloroform	7.37	83	255150	18.45	ug/l	99
26) Cyclohexane	7.66	56	168765	15.54	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	166358	16.61	ug/l	99
30) 2-Butanone	6.84	43	313202	99.63	ug/l	99
31) 2,2-Dichloropropane	6.82	77	189387	17.10	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	208899	17.72	ug/l	99
33) Carbon Tetrachloride	7.78	117	181851	17.30	ug/l	100
34) Benzene	8.04	78	547416	17.99	ug/l	99
35) Methacrylonitrile	7.18	41	55168	15.41	ug/l	97
36) 1,2-Dichloroethane	8.13	62	188054	18.83	ug/l	100
37) Trichloroethene	8.84	130	139098	17.43	ug/l	99
38) Methylcyclohexane	9.08	83	161837	15.32	ug/l	99
39) 1,2-Dichloropropane	9.12	63	148263	18.50	ug/l	97
40) Dibromomethane	9.21	93	93628	18.90	ug/l	99

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Manual Integrations
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Quant Time: Aug 03 23:20:06 2018
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	196018	18.76	ug/l	98
42) Vinyl Acetate	5.90	43	1347055	91.06	ug/l	99
43) Ethyl Acetate	6.94	43	131099	19.97	ug/l	94
44) Isopropyl Acetate	8.17	43	267700	22.01	ug/l	92
45) 1,4-Dioxane	9.20	88	34324	428.95	ug/l	95
46) Methyl methacrylate	9.20	41	115880	19.66	ug/l	99
47) n-amyl Acetate	12.07	43	166144	17.56	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	186179	18.69	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	214313	18.31	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	140456	19.75	ug/l	98
51) Ethyl methacrylate	10.43	69	161950	18.77	ug/l	98
52) 1,3-Dichloropropane	10.71	76	223173	19.11	ug/l	100
53) Dibromochloromethane	10.90	129	148179	18.36	ug/l	98
54) 1,2-Dibromoethane	11.01	107	131361	18.86	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	354639	90.80	ug/l	99
56) Bromoform	12.13	173	104354	18.31	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	706072	108.14	ug/l	100
59) 2-Hexanone	10.75	43	461198	103.53	ug/l	98
61) Tetrachloroethene	10.63	164	129671	17.06	ug/l	98
62) Toluene	10.16	91	577835	18.05	ug/l	99
64) Chlorobenzene	11.44	112	351602	18.11	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	144903	19.14	ug/l	100
66) Ethyl Benzene	11.51	91	571431	17.47	ug/l	99
67) m/p-Xylenes	11.62	106	444139	35.27	ug/l	99
68) o-Xylene	11.95	106	212116	17.71	ug/l	99
69) Styrene	11.97	104	342876	17.85	ug/l	100
70) Isopropylbenzene	12.25	105	569103	17.84	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	178439	20.37	ug/l	97
72) 1,2,3-Trichloropropane	12.56	75	152241m	20.35	ug/l	
73) Bromobenzene	12.53	156	150412	17.70	ug/l	95
74) n-propylbenzene	12.59	91	634686	17.08	ug/l	99
75) 2-Chlorotoluene	12.68	91	397131	17.79	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	467414	17.84	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	40456	16.54	ug/l	93
78) 4-Chlorotoluene	12.78	91	388300	17.56	ug/l	99
79) tert-butylbenzene	12.99	119	396028	17.68	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	471071	17.74	ug/l	99
81) sec-Butylbenzene	13.17	105	519166	17.06	ug/l	100
82) p-Isopropyltoluene	13.29	119	443534	17.08	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	251280	16.98	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	237778	17.00	ug/l	99
85) n-Butylbenzene	13.62	91	320927	15.23	ug/l	100
86) Hexachloroethane	13.88	117	86595	16.69	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	260805	18.03	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27352	20.04	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	100885	14.60	ug/l	100
90) Hexachlorobutadiene	15.01	225	76968	16.90	ug/l	97
91) Naphthalene	15.14	128	221060	17.85	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	112148	15.96	ug/l	99

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Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

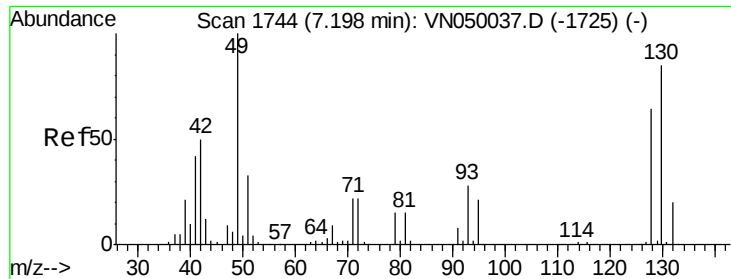
Manual Integrations
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QLast Update : Thu Jul 26 15:21:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



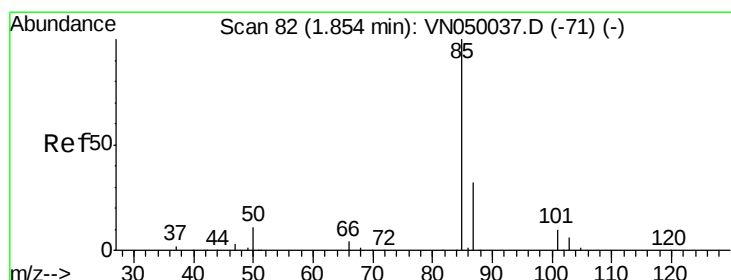
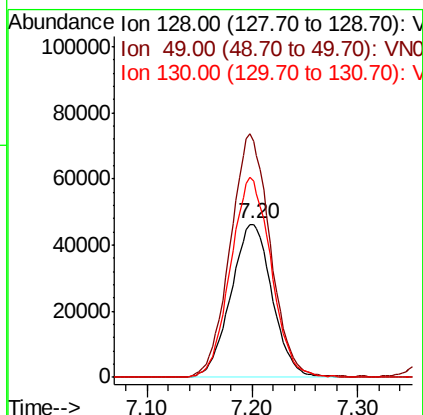
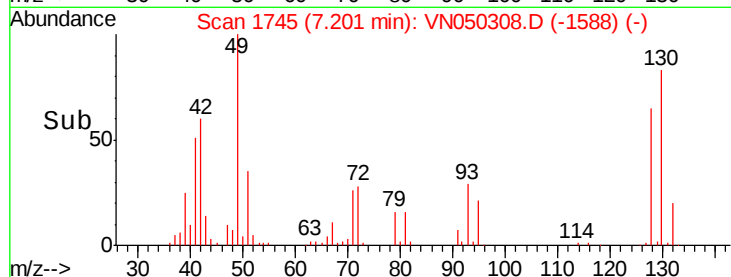
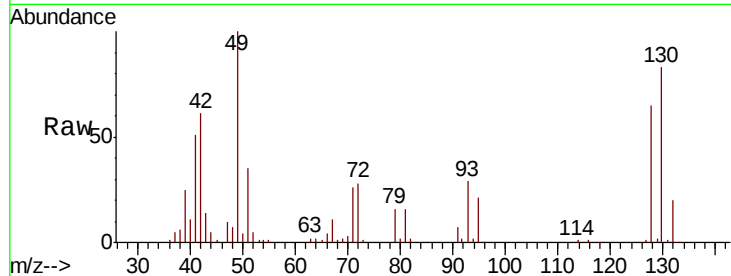
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0803WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
49	154.0	0.0	378.3	
130	128.3	0.0	320.7	

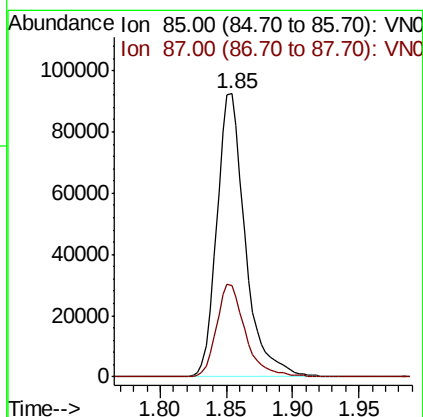
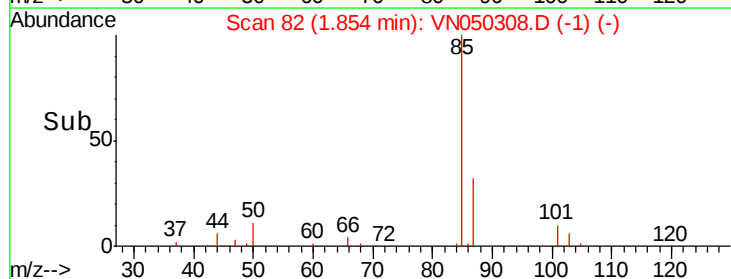
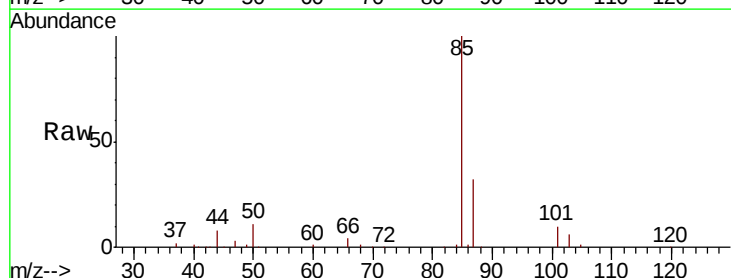
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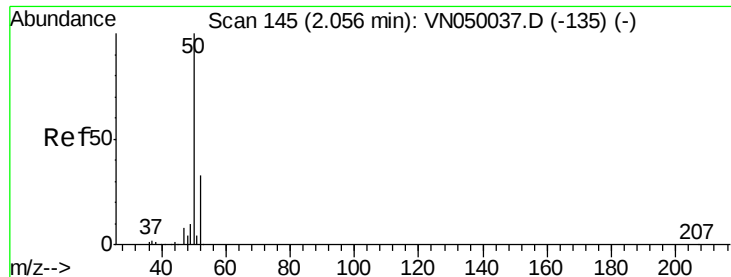
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#2
Dichlorodifluoromethane
Concen: 15.89 ug/l
RT: 1.85 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
85	100			
87	32.2	15.4	46.4	





#3

Chloromethane

Concen: 14.50 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

Tot Ion: 50 Resp: 129658

Ion Ratio Lower Upper

50 100

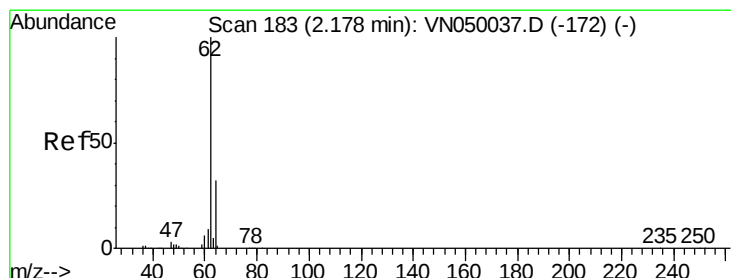
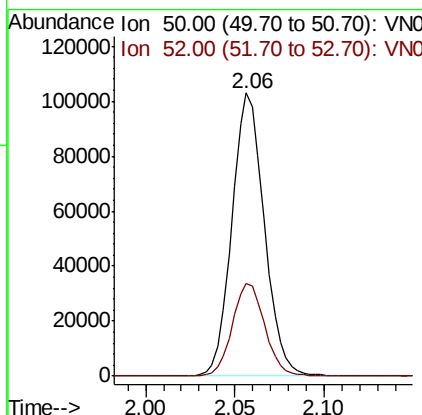
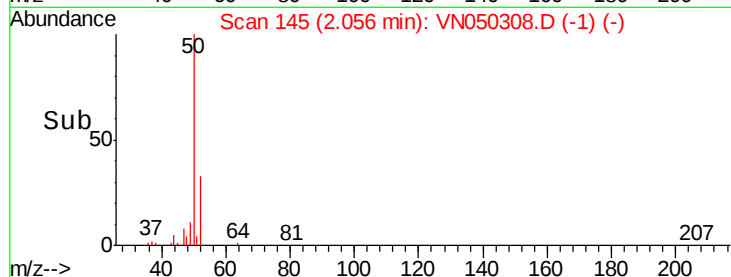
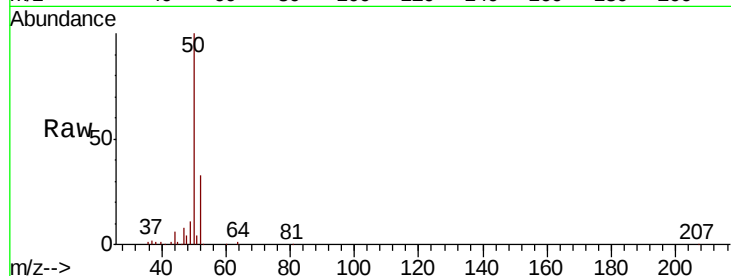
52 32.8 26.1 39.1

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#4

Vinyl Chloride

Concen: 15.72 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050308.D

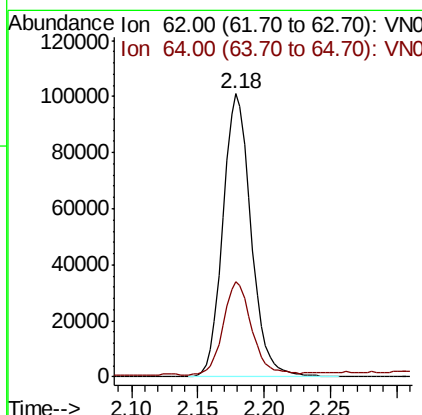
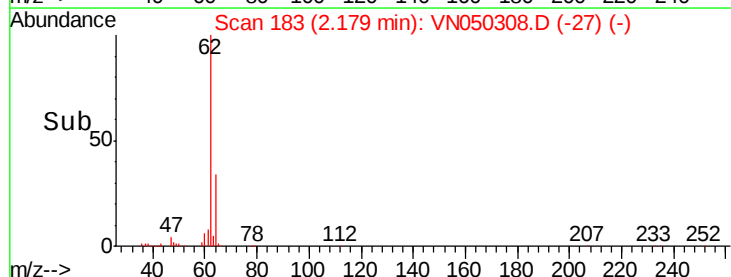
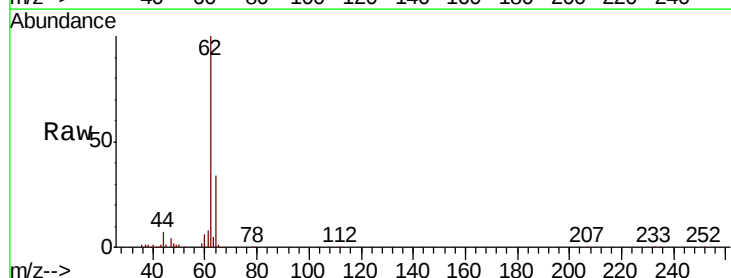
Acq: 3 Aug 2018 12:27

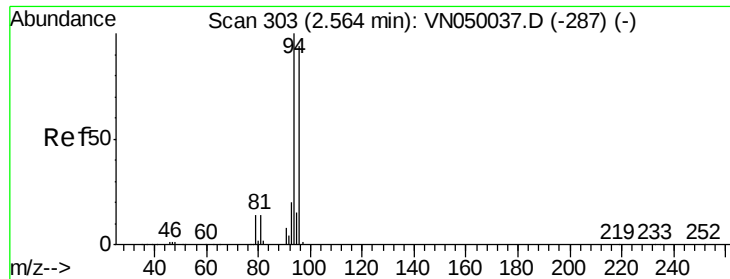
Tgt Ion: 62 Resp: 149643

Ion Ratio Lower Upper

62 100

64 32.8 24.4 36.6





#5

Bromomethane

Concen: 7.03 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0803WBSD01

Tot Ion: 94 Resp: 40781

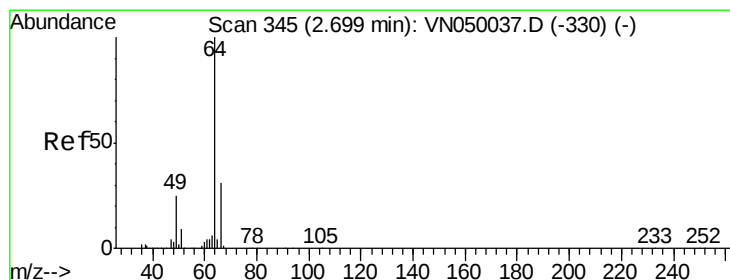
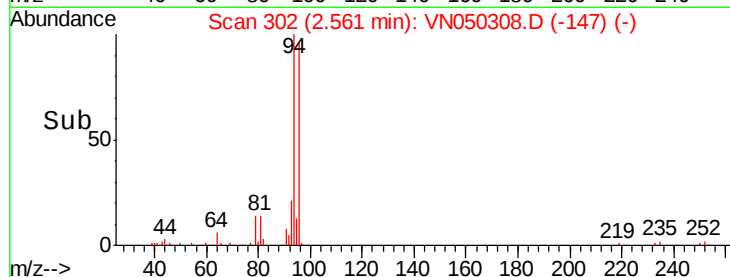
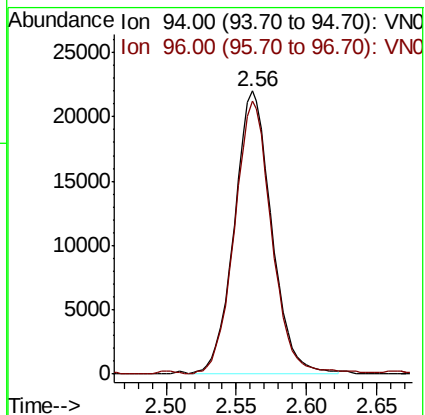
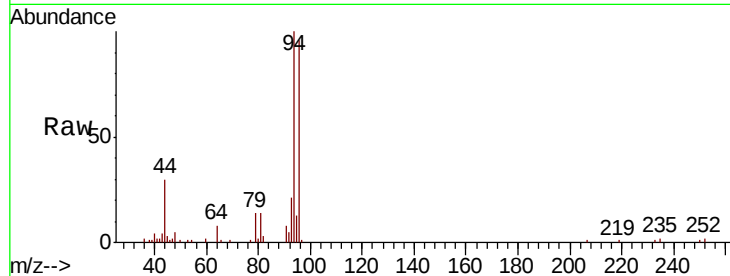
Ion Ratio Lower Upper

94 100

96 96.4 75.9 113.9

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#6

Chloroethane

Concen: 16.12 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN050308.D

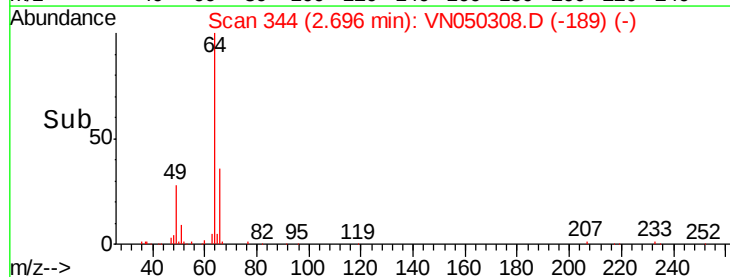
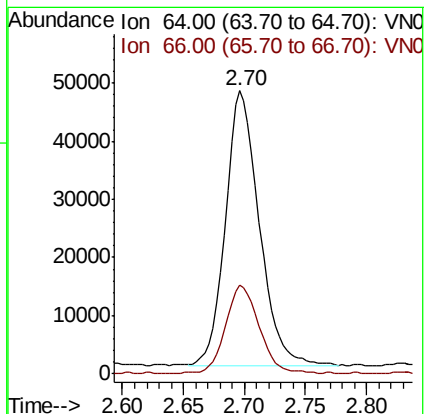
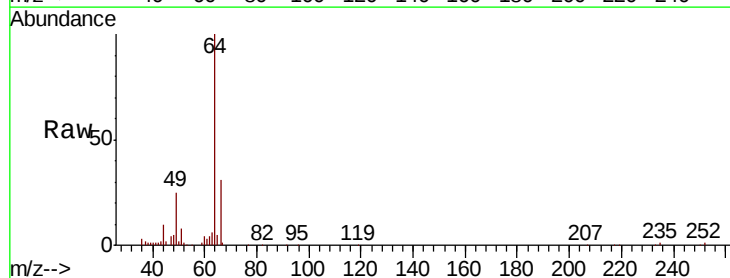
Acq: 3 Aug 2018 12:27

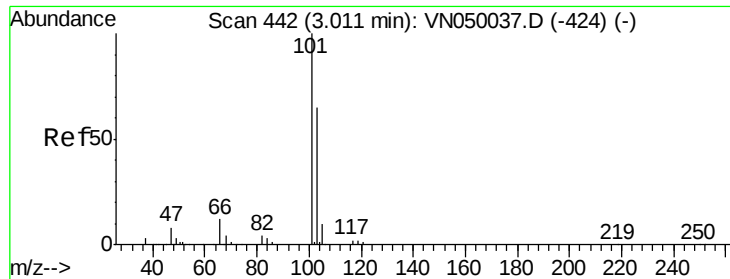
Tgt Ion: 64 Resp: 90775

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.4





#7

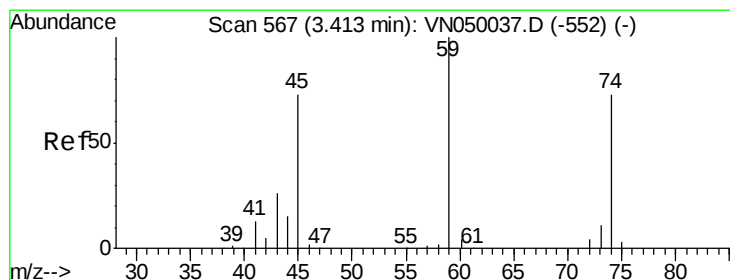
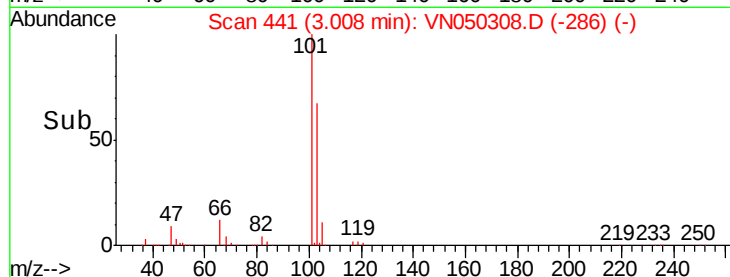
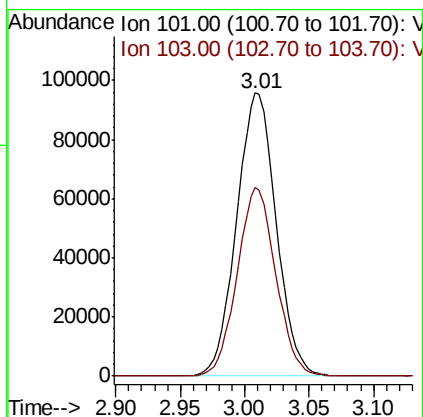
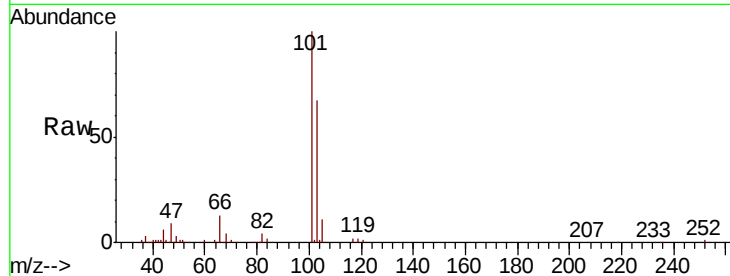
Trichlorofluoromethane
Concen: 16.46 ug/l
RT: 3.01 min Scan# 441
Delta R.T. -0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.5	77.3

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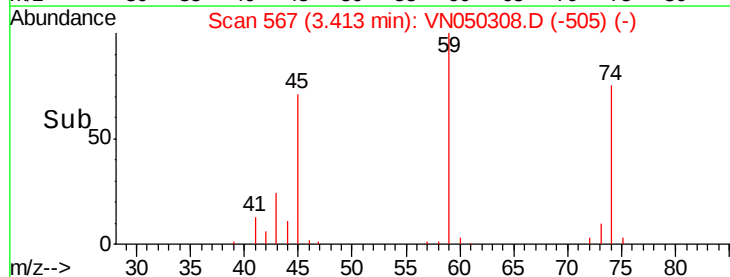
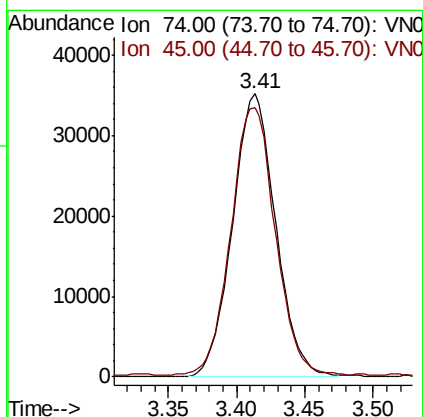
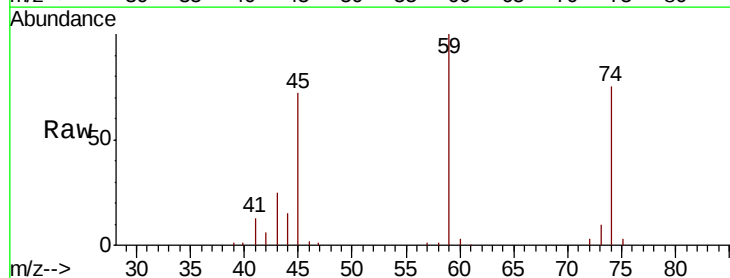
MMDadoda
8/6/2018 11:38:13 AM

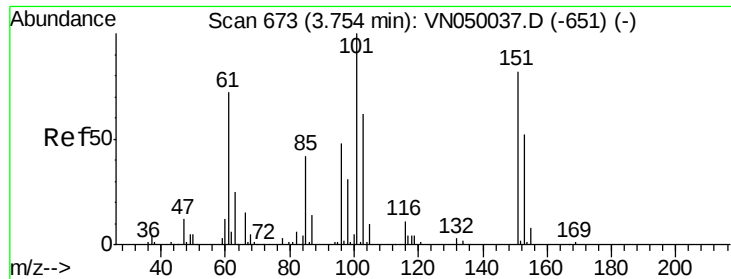


#8

Diethyl Ether
Concen: 18.55 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.85 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

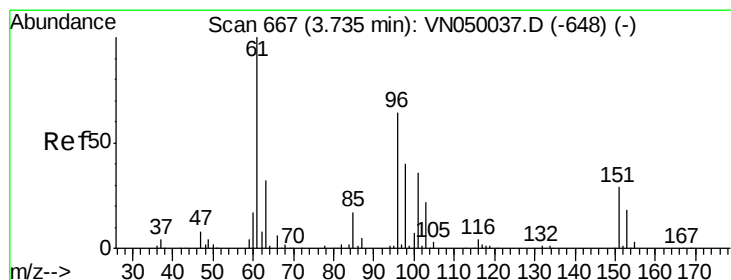
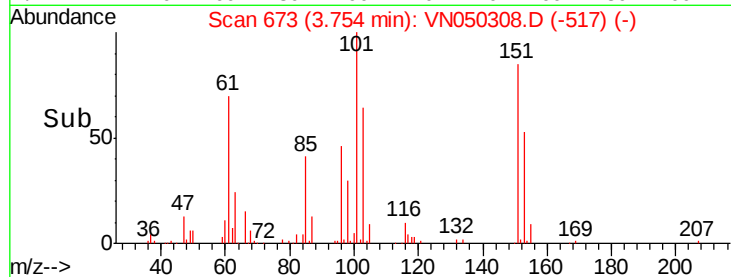
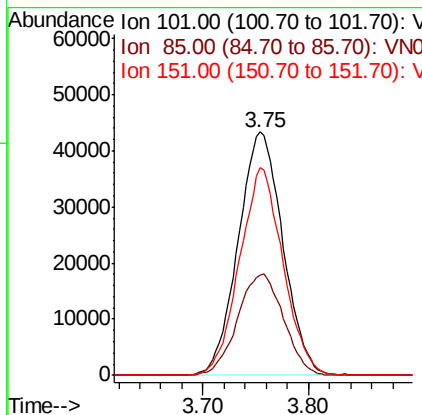
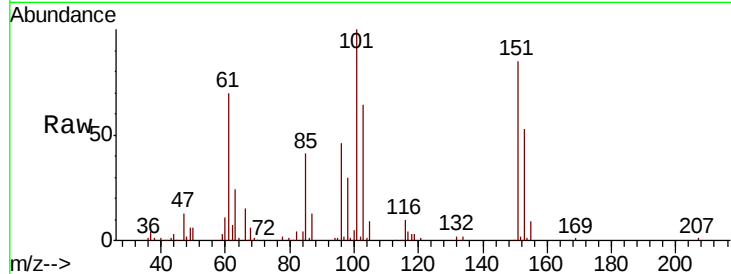
ClientSampleId :

VN0803WBSD01

Tot Ion:	101	Resp:	127499
Ion Ratio	Lower	Upper	
101	100		
85	42.8	0.0	83.0
151	83.0	0.0	166.8

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#10

1,1-Dichloroethene

Concen: 16.39 ug/l

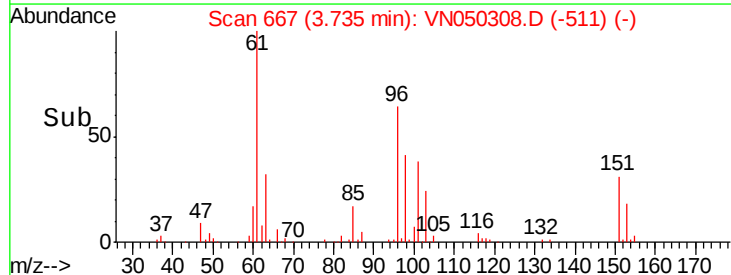
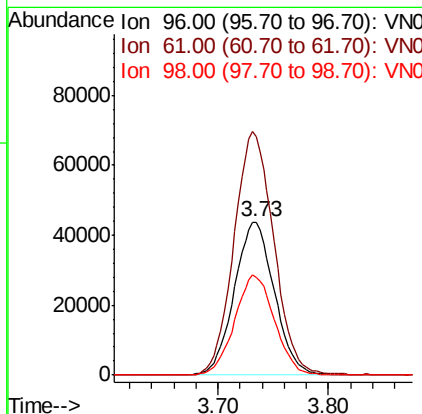
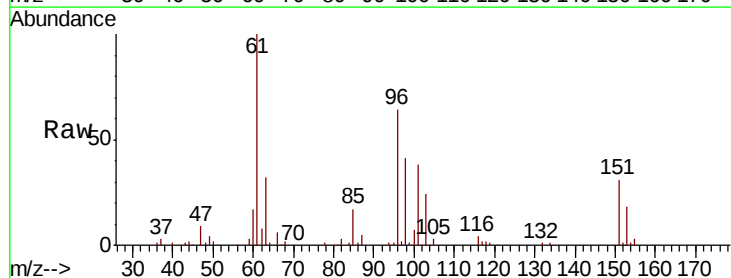
RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Tgt Ion:	96	Resp:	109985
Ion Ratio	Lower	Upper	
96	100		
61	155.4	130.6	195.8
98	63.8	53.5	80.3





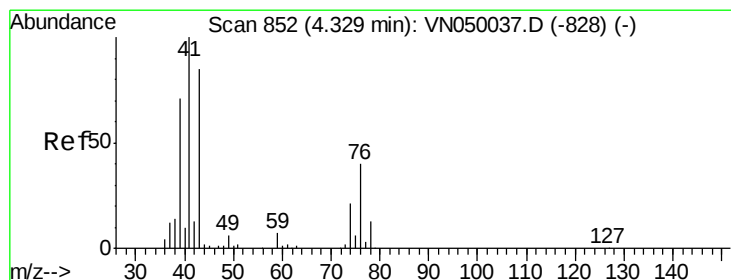
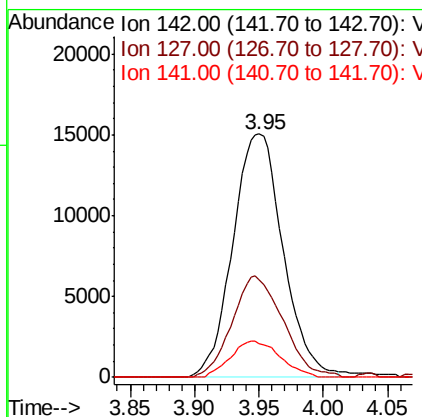
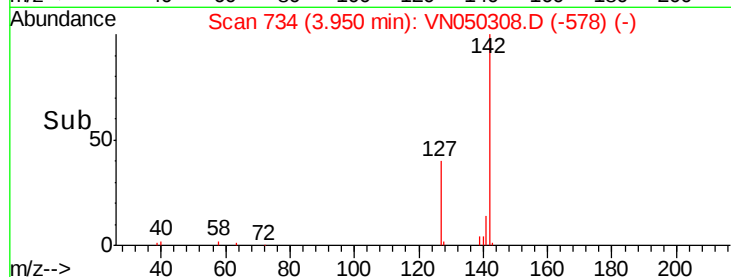
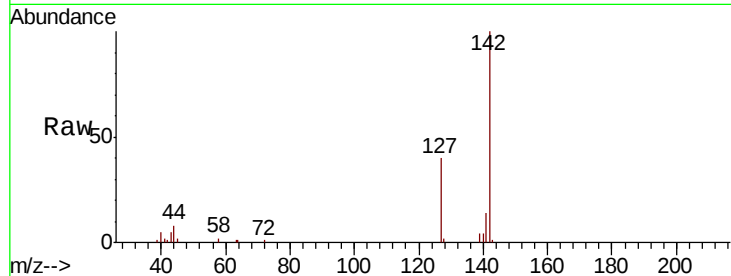
#11
Methyl Iodide
Concen: 4.13 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0803WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.1	20.2	60.5
141	13.0	6.9	20.6

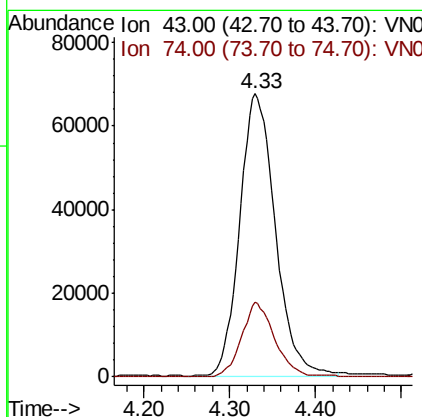
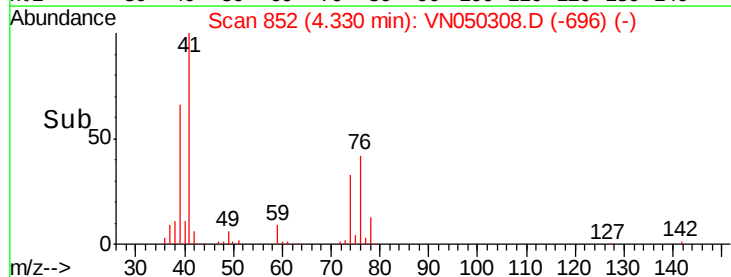
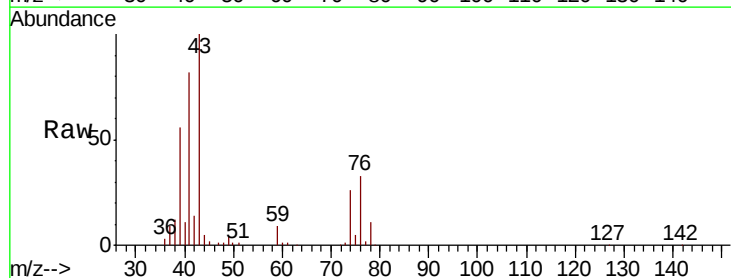
Manual Integrations
APPROVED

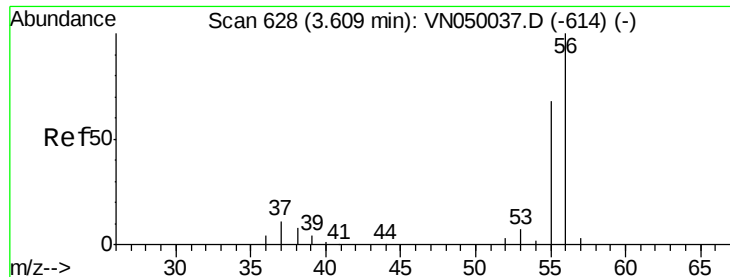
MMDadoda
8/6/2018 11:38:13 AM



#12
Methyl Acetate
Concen: 25.30 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	19.3	28.9





#13

Acrolein

Concen: 28.30 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

Tot Ion: 56 Resp: 13442

Ion Ratio Lower Upper

56 100

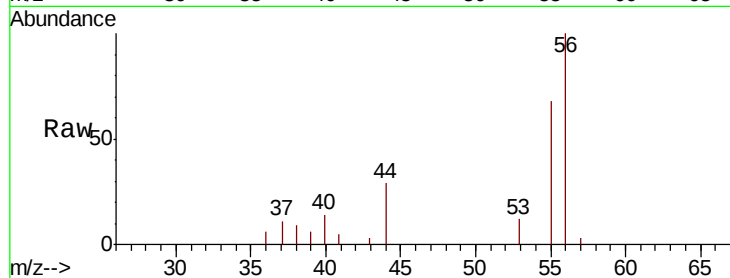
55 68.9 58.6 88.0

Manual Integrations

APPROVED

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8/6/2018 11:38:13 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

6000

5000

4000

3000

2000

1000

0

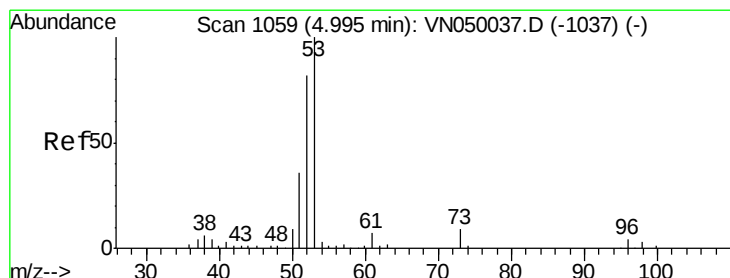
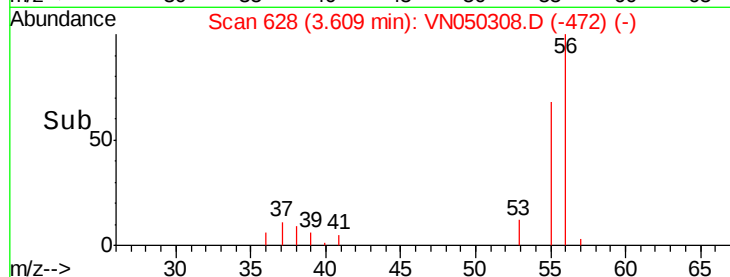
3.55

3.60

3.65

3.70

Time-->



#14

Acrylonitrile

Concen: 99.91 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

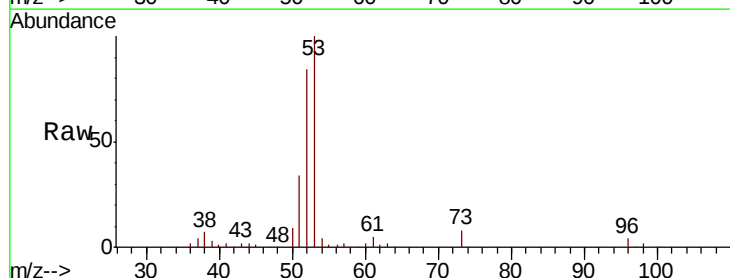
Tgt Ion: 53 Resp: 256276

Ion Ratio Lower Upper

53 100

52 82.0 41.5 124.5

51 36.2 18.7 56.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

100000

80000

60000

40000

20000

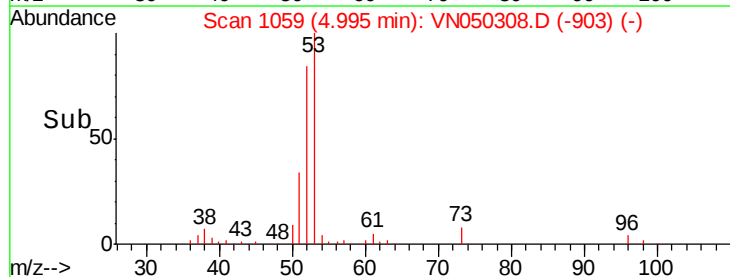
0

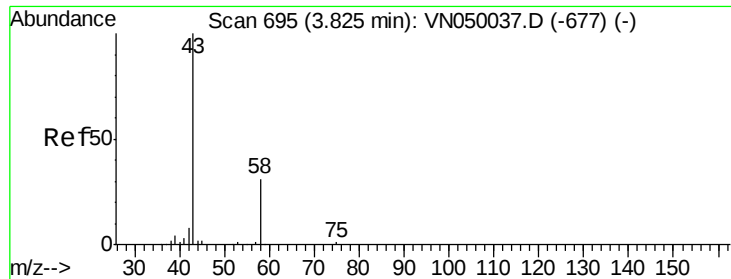
4.90

5.00

5.10

Time-->





#15

Acetone

Concen: 98.45 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

Tot Ion: 58 Resp: 67109

Ion Ratio Lower Upper

58 100

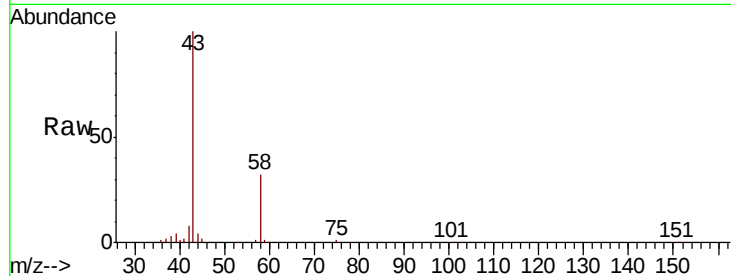
43 308.2 252.0 378.0

Manual Integrations

APPROVED

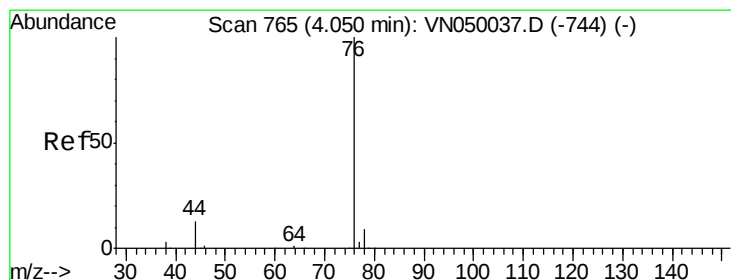
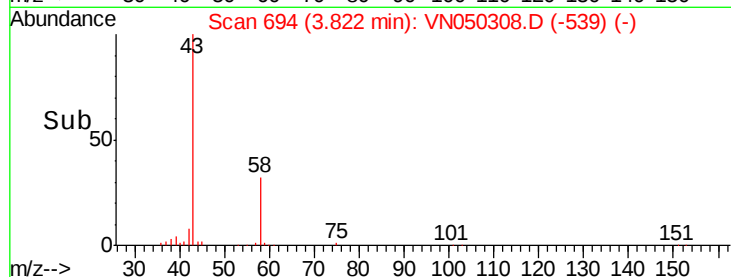
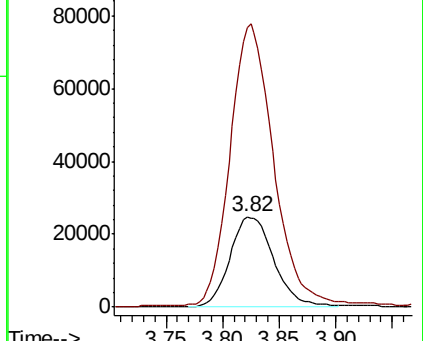
MMDadoda

8/6/2018 11:38:13 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 14.22 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050308.D

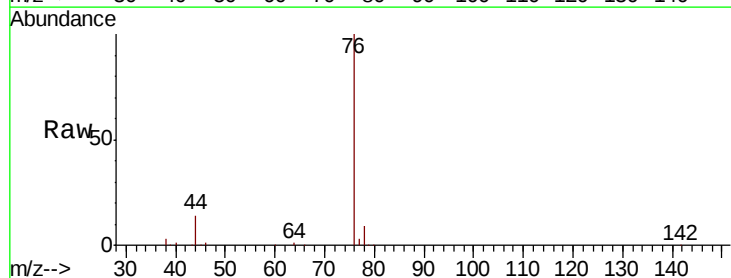
Acq: 3 Aug 2018 12:27

Tgt Ion: 76 Resp: 291924

Ion Ratio Lower Upper

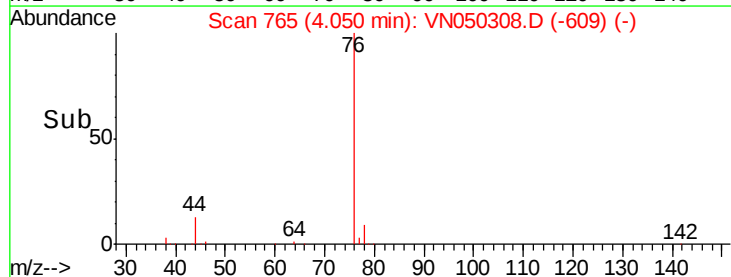
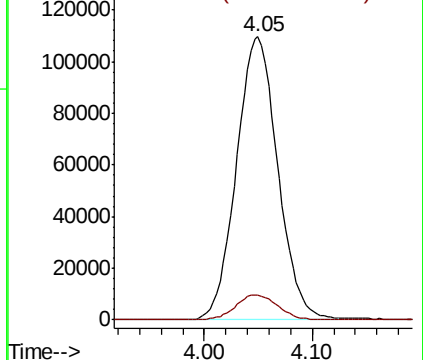
76 100

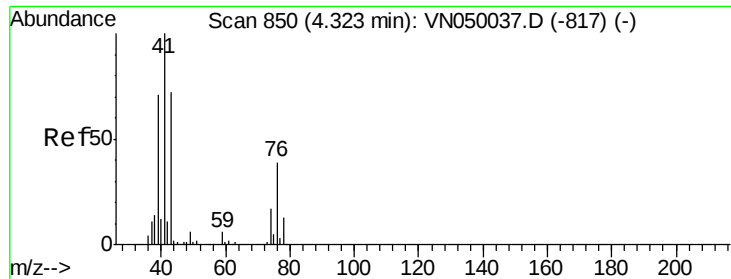
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 17.29 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

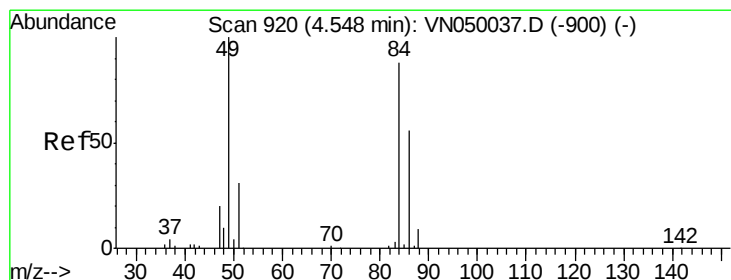
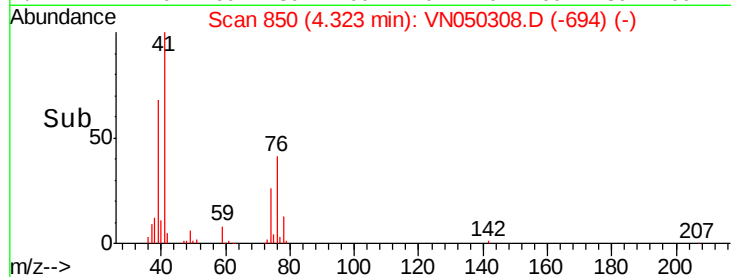
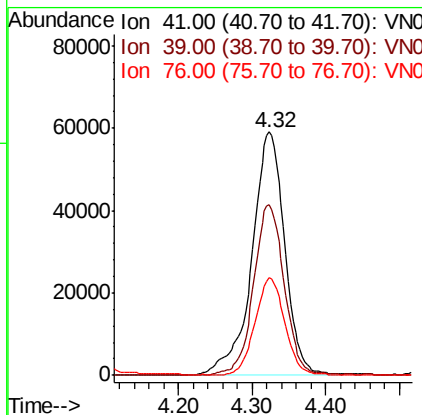
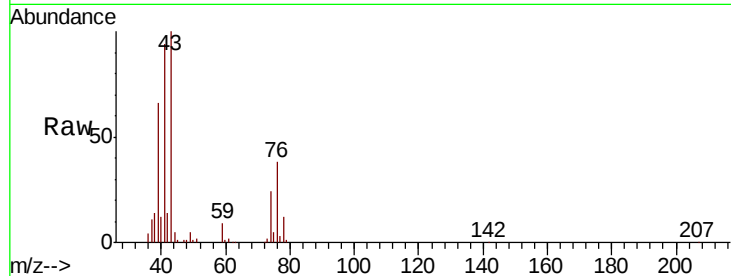
ClientSampled :

VN0803WBSD01

Tot Ion:	41	Resp:	183273
Ion	Ratio	Lower	Upper
41	100		
39	70.2	35.4	106.3
76	40.0	19.7	59.1

Manual Integrations
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#18

Methylene Chloride

Concen: 18.19 ug/l

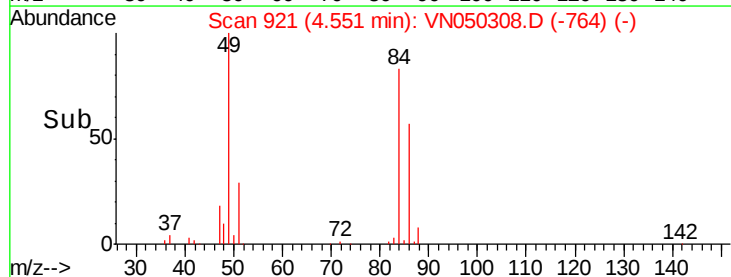
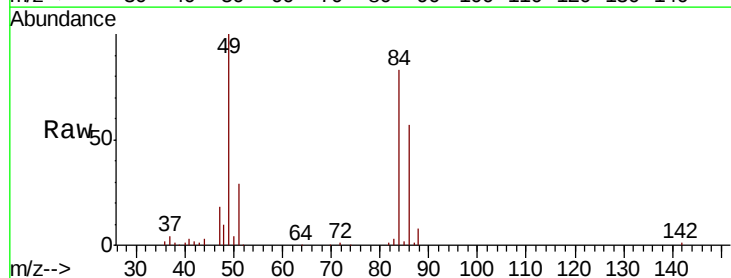
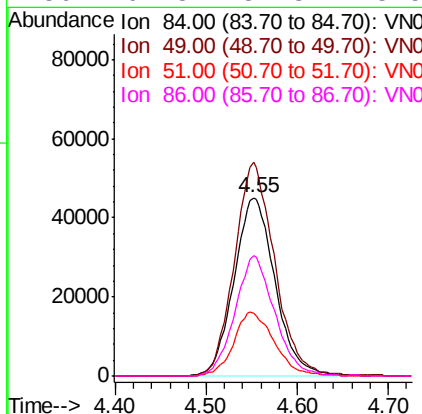
RT: 4.55 min Scan# 921

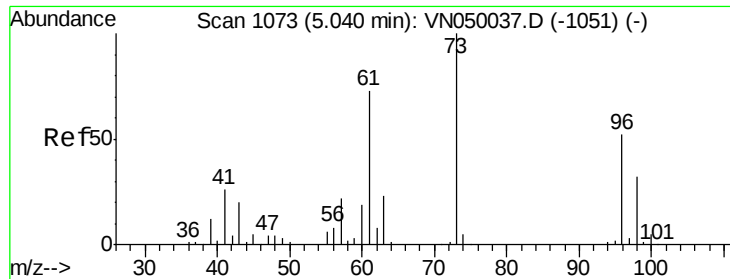
Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Tgt Ion:	84	Resp:	140876
Ion	Ratio	Lower	Upper
84	100		
49	119.8	95.1	142.7
51	35.2	28.8	43.2
86	67.8	52.3	78.5





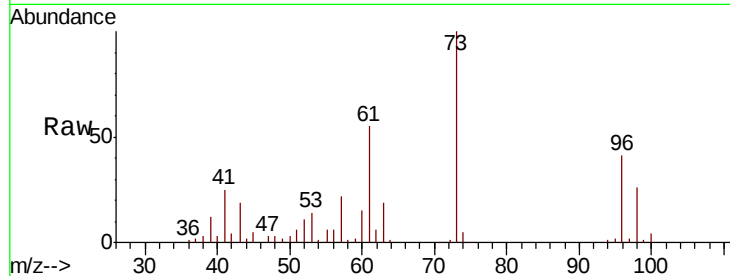
#19
trans-1,2-Dichloroethene
Concen: 16.56 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	112.1	168.1
98	63.7	51.3	76.9

Manual Integrations
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MMDadoda
8/6/2018 11:38:13 AM

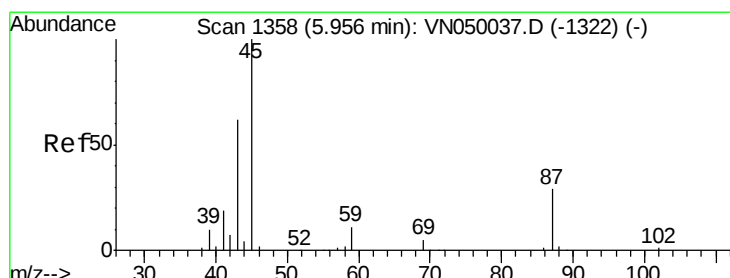
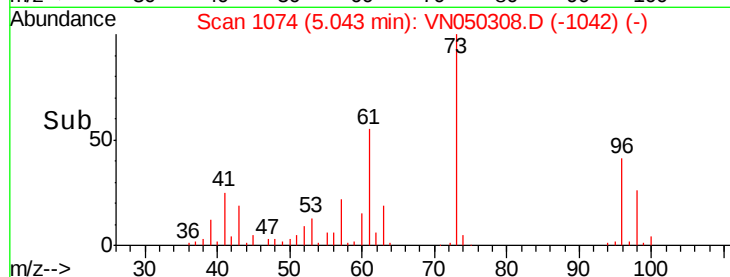
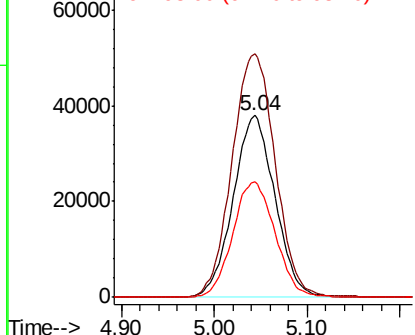


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.13 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.6	46.6	70.0
87	29.0	22.3	33.5
59	12.7	9.5	14.3

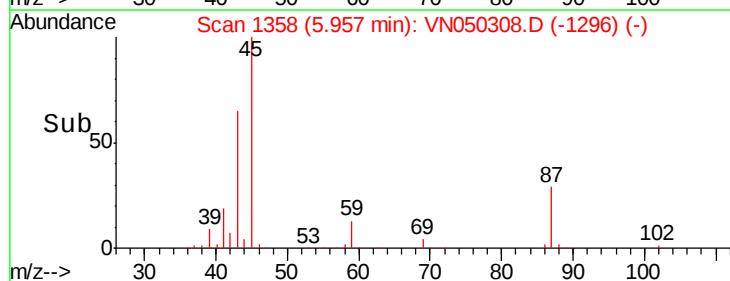
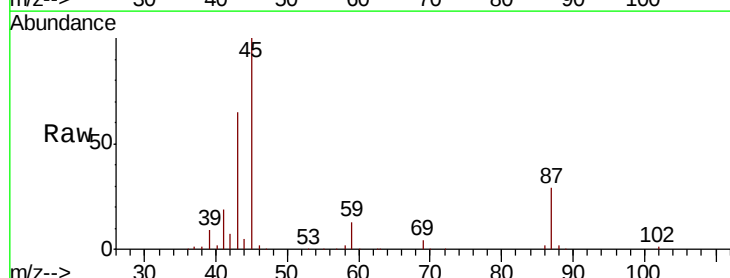
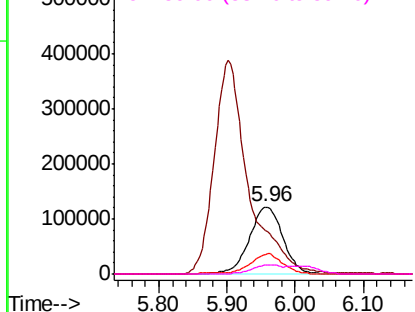
Abundance

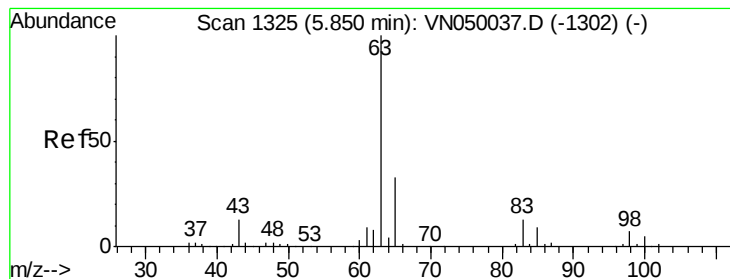
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 18.10 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

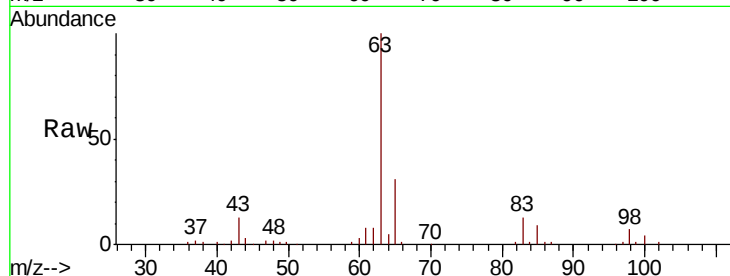
ClientSampled :

VN0803WBSD01

Tot Ion:	63	Resp:	247319
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.5	10.6
100	3.8	2.3	6.8

Manual Integrations
APPROVED

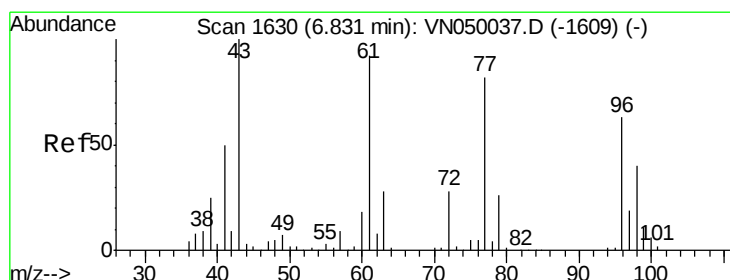
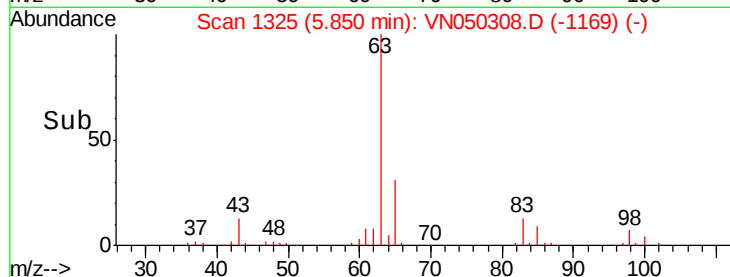
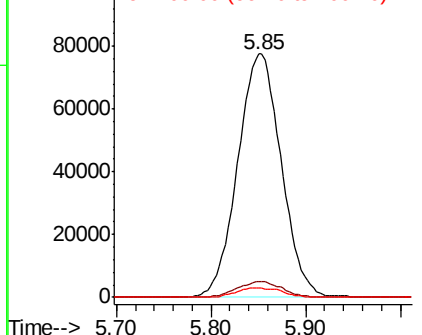
MMDadoda
8/6/2018 11:38:13 AM



Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.00 ug/l

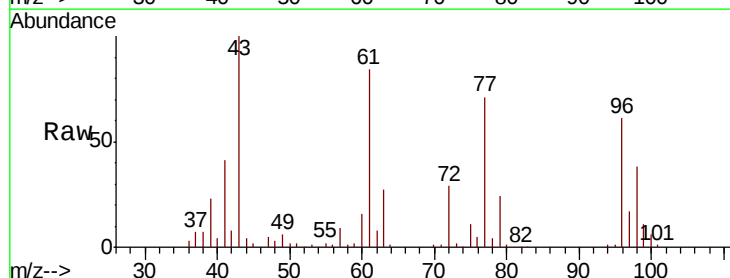
RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

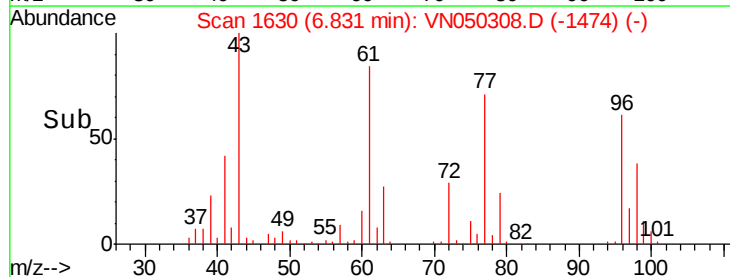
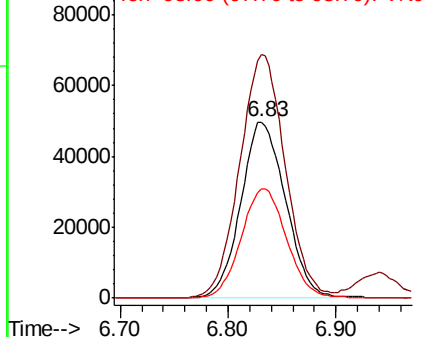
Tgt Ion:	96	Resp:	143388
Ion Ratio	Lower	Upper	
96	100		
61	140.9	114.2	171.2
98	62.8	51.7	77.5

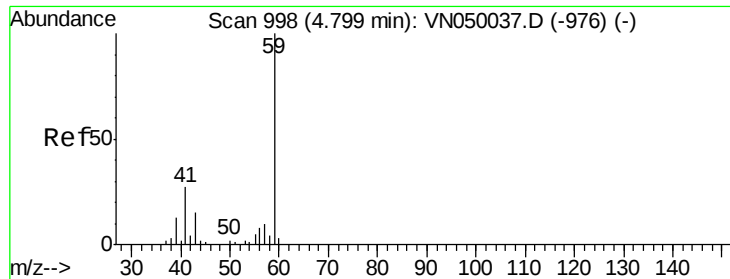


Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)





#23

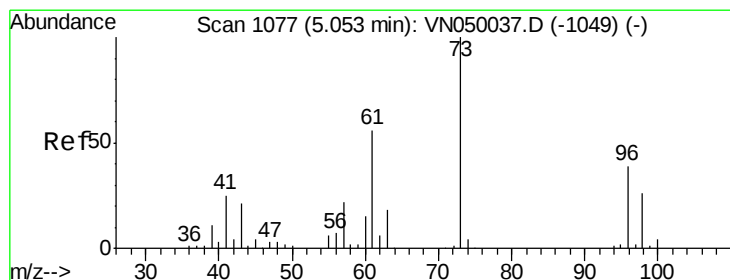
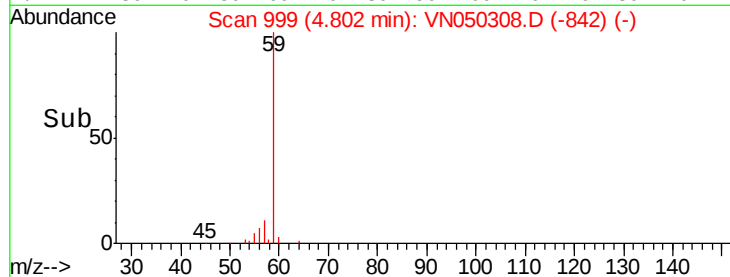
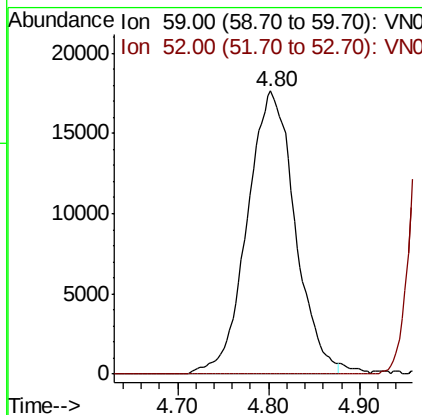
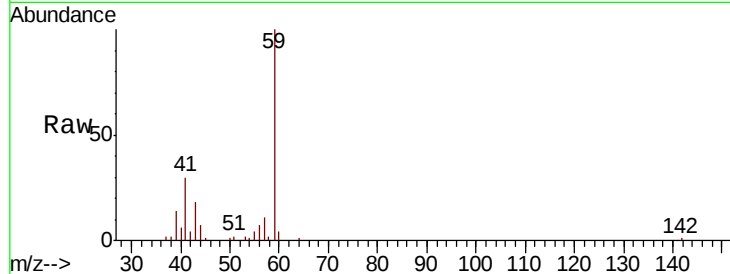
tert-Butyl Alcohol
 Concen: 112.16 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBSD01

Tot Ion: 59 Resp: 64281
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
 APPROVED

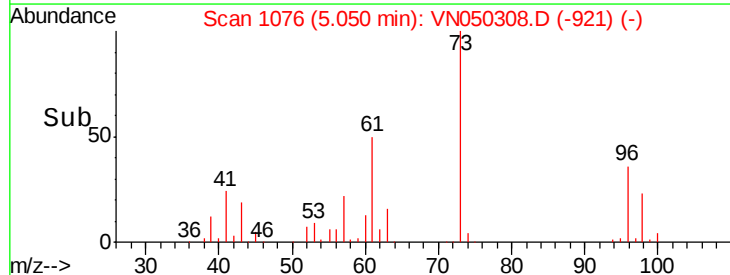
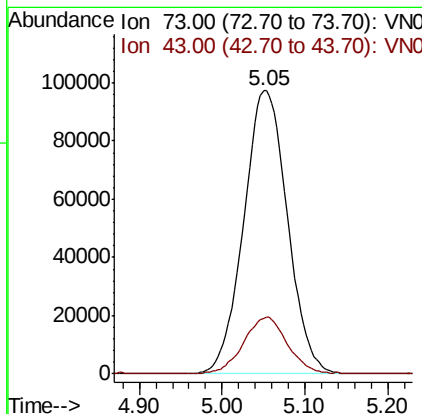
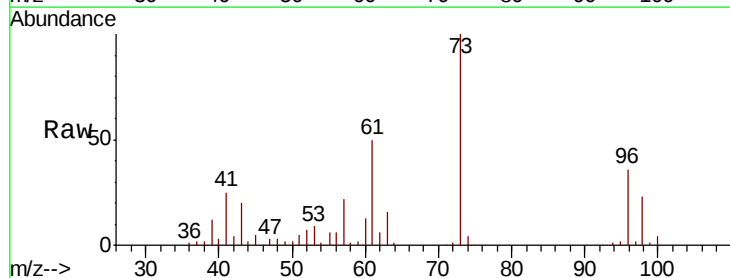
MMDadoda
 8/6/2018 11:38:13 AM

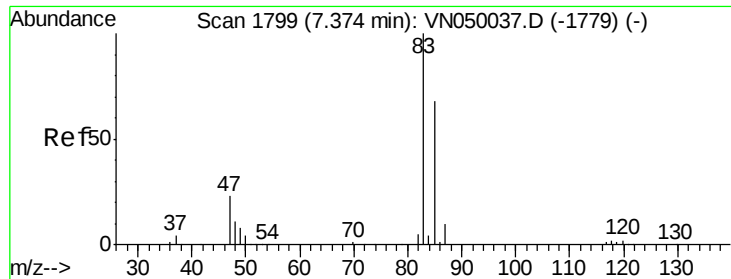


#24

Methyl tert-Butyl Ether
 Concen: 19.52 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion: 73 Resp: 357146
 Ion Ratio Lower Upper
 73 100
 43 20.1 15.5 23.3





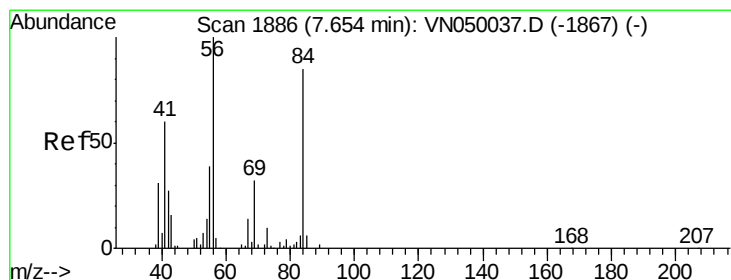
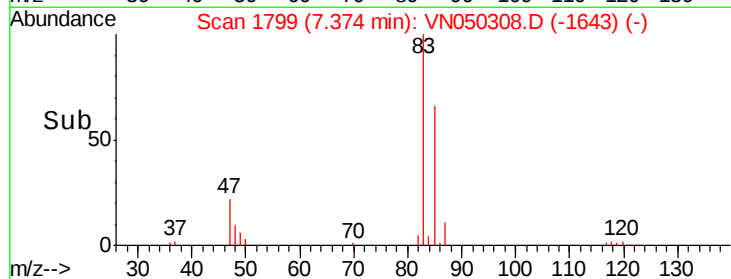
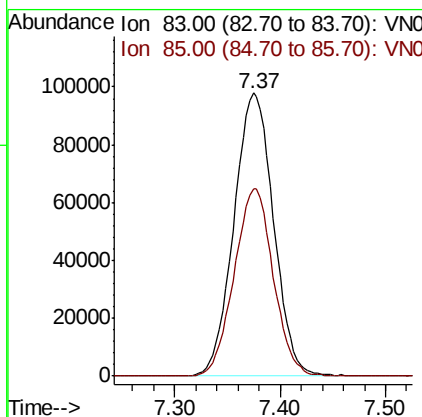
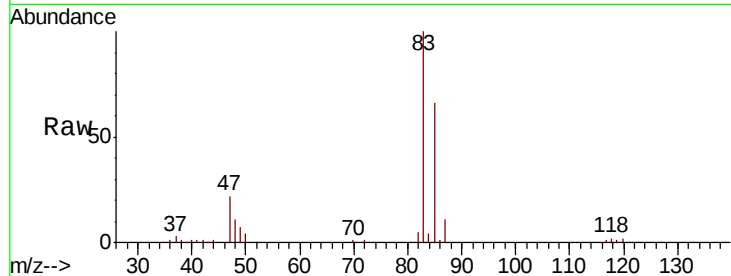
#25
Chloroform
Concen: 18.45 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

Tot Ion	83	Resp	255150
Ion Ratio	100	Lower	Upper
83	100		
85	66.1	52.1	78.1

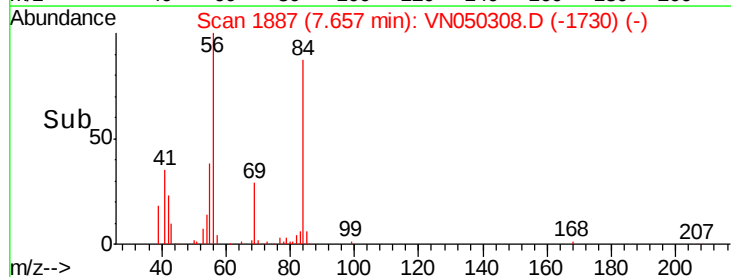
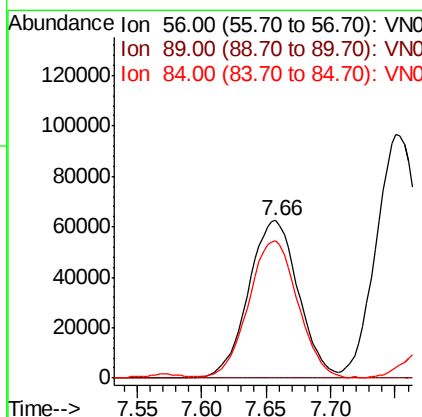
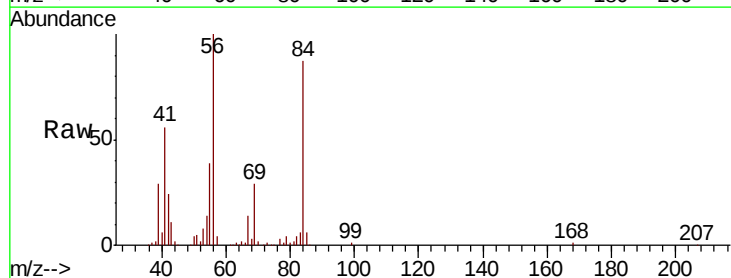
Manual Integrations
APPROVED

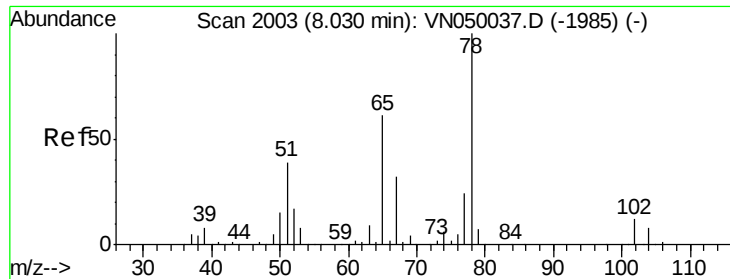
MMDadoda
8/6/2018 11:38:13 AM



#26
Cyclohexane
Concen: 15.54 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	56	Resp	168765
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	3.0	4.4#
84	85.9	69.8	104.8





#27

1,2-Dichloroethane-d4

Concen: 30.25 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

Tot Ion: 65 Resp: 258817

Ion Ratio Lower Upper

65 100

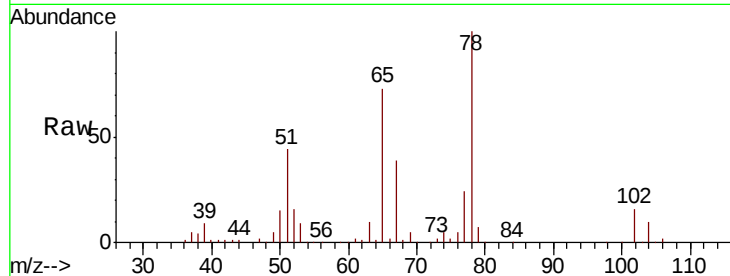
67 53.9 42.7 64.1

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:38:13 AM



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

120000

100000

80000

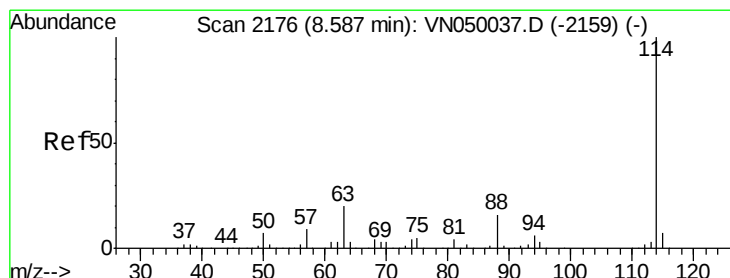
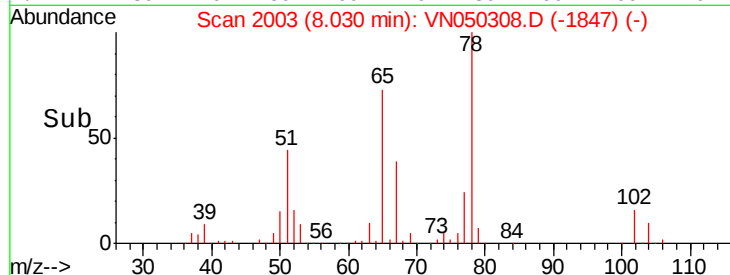
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

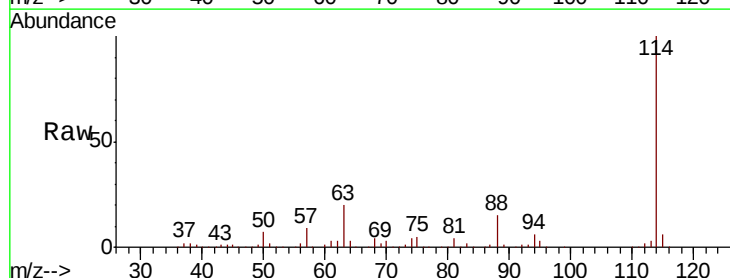
Tgt Ion: 114 Resp: 645518

Ion Ratio Lower Upper

114 100

63 19.9 16.2 24.2

88 15.3 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.59

400000

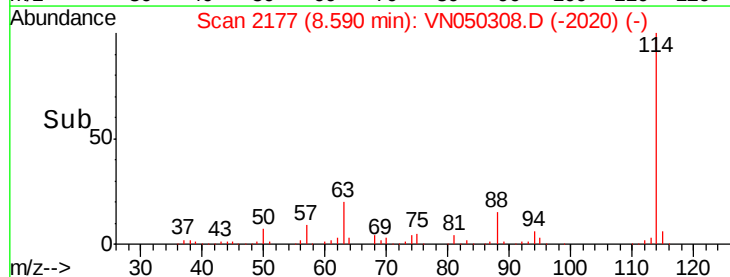
300000

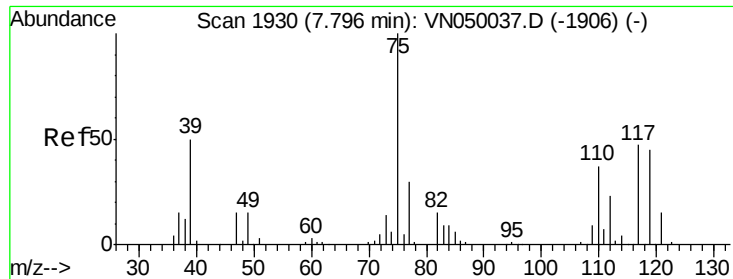
200000

100000

0

Time-->





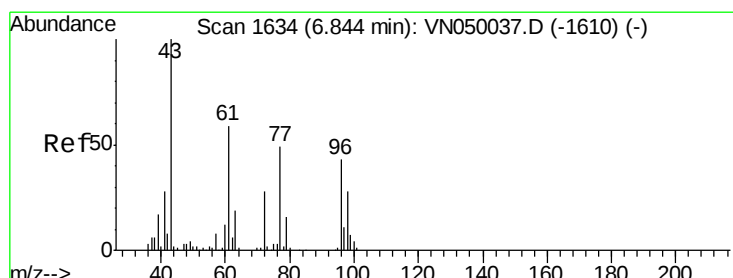
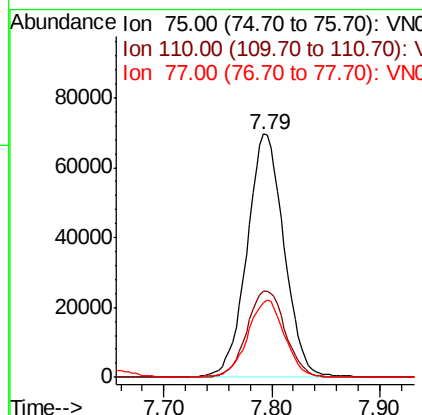
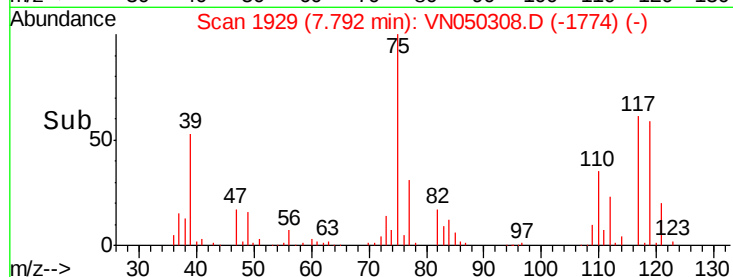
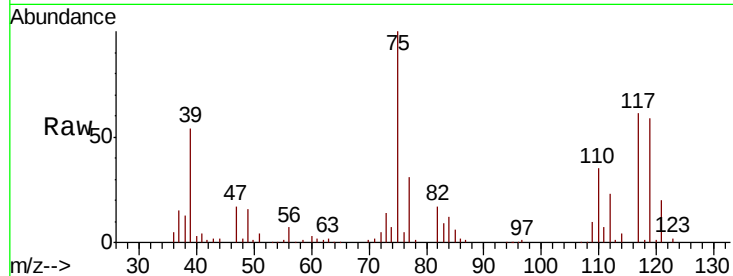
#29
 1,1-Dichloropropene
 Concen: 16.61 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.8	0.0	73.2
77	31.8	0.0	62.0

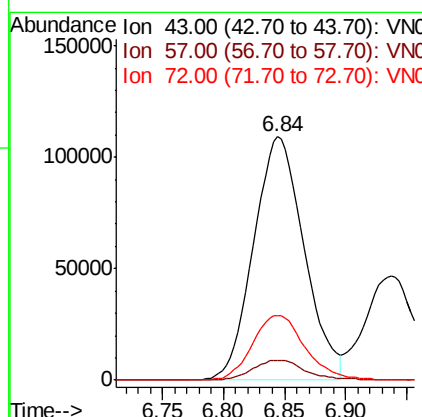
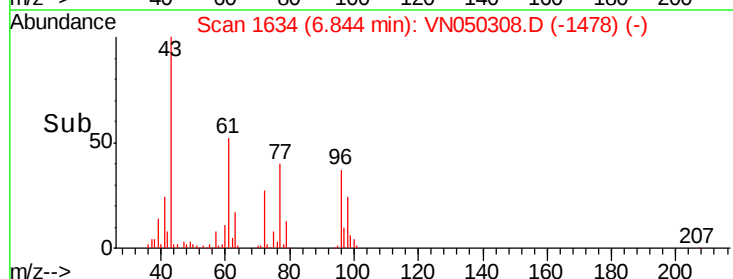
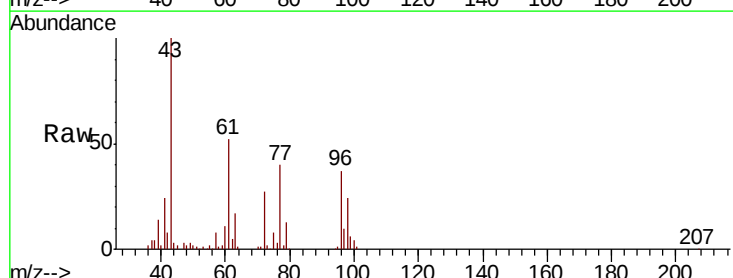
Manual Integrations
 APPROVED

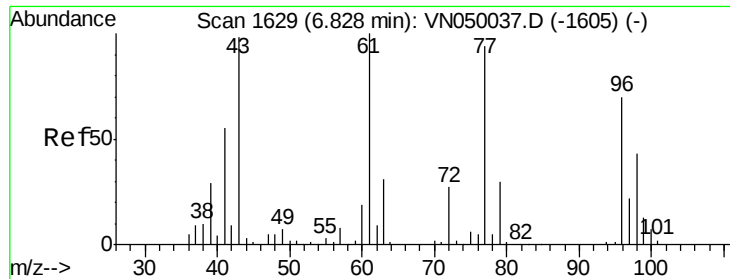
MMDadoda
 8/6/2018 11:38:13 AM



#30
 2-Butanone
 Concen: 99.63 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.4	6.8	10.2
72	27.6	21.4	32.0





#31

2,2-Dichloropropane

Concen: 17.10 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

Tot Ion: 77 Resp: 189387

Ion Ratio Lower Upper

77 100

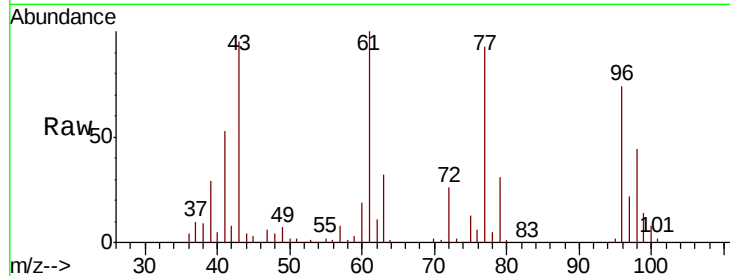
97 23.4 18.9 28.3

Manual Integrations

APPROVED

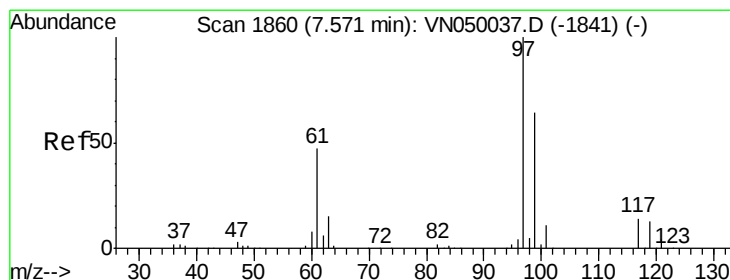
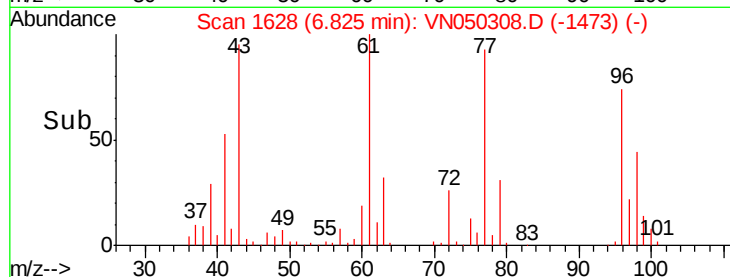
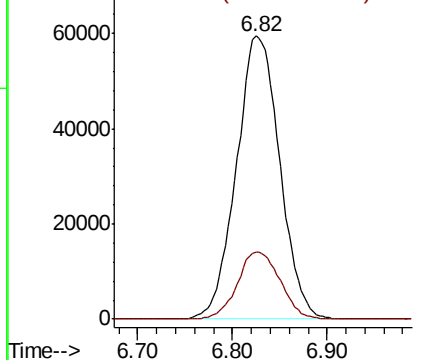
MMDadoda

8/6/2018 11:38:13 AM



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.72 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

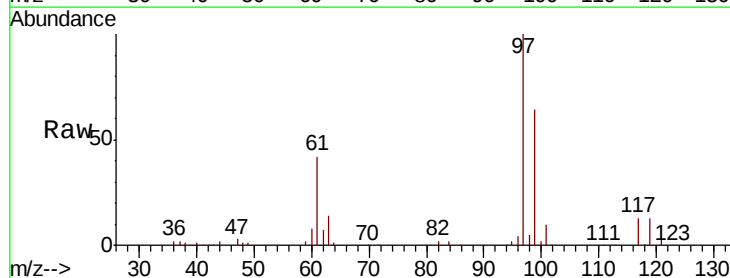
Tgt Ion: 97 Resp: 208899

Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

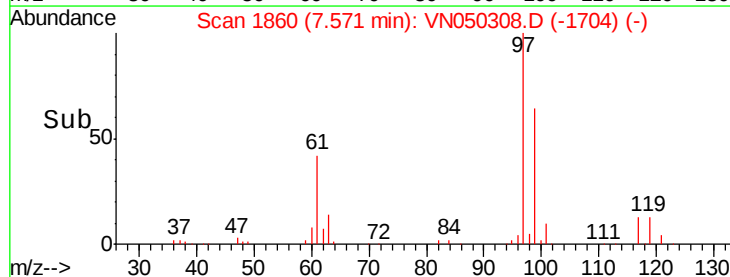
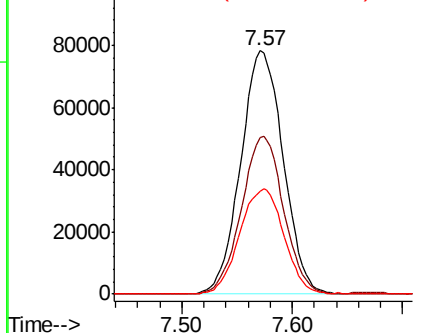
61 44.9 35.3 52.9

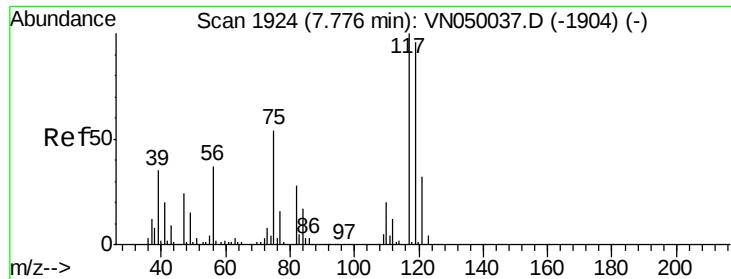


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





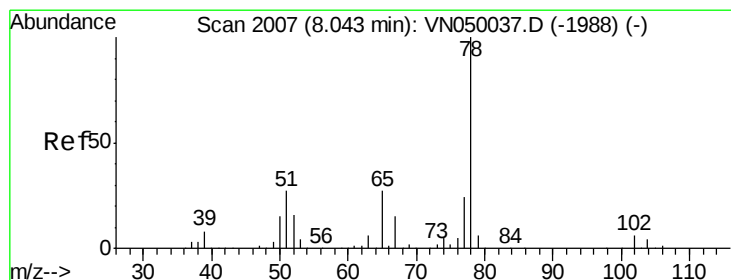
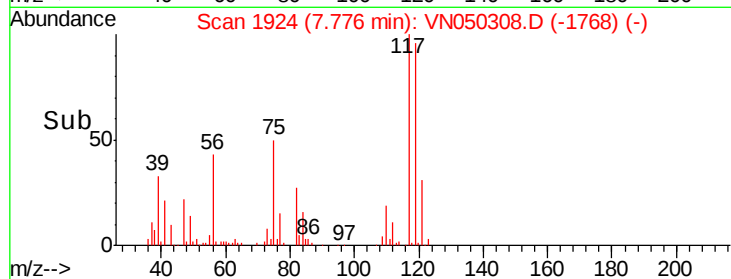
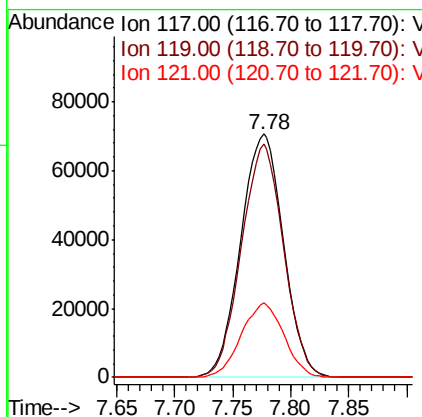
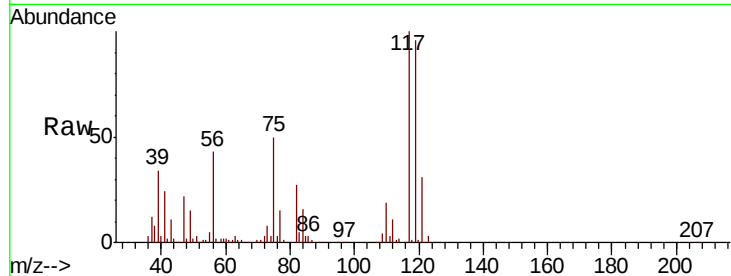
#33
Carbon Tetrachloride
Concen: 17.30 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	181851		
119	95.9	76.9	115.3	
121	30.6	24.4	36.6	

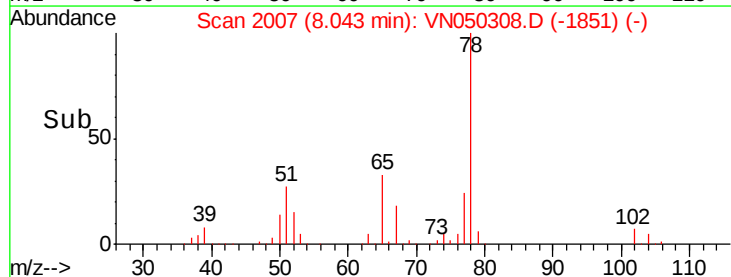
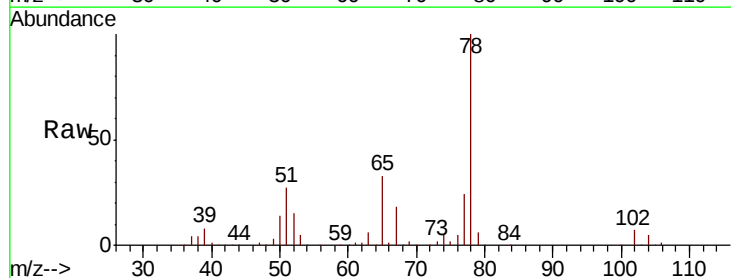
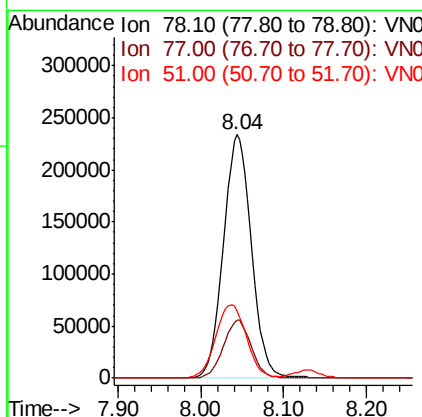
Manual Integrations
APPROVED

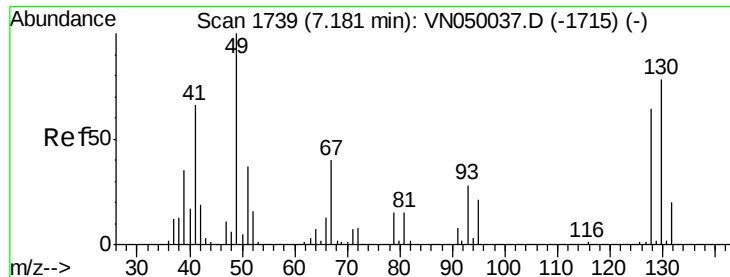
MMDadoda
8/6/2018 11:38:13 AM



#34
Benzene
Concen: 17.99 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	547416		
77	24.0	19.1	28.7	
51	27.2	21.0	31.4	





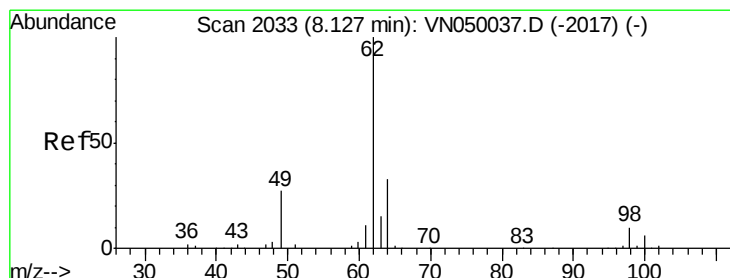
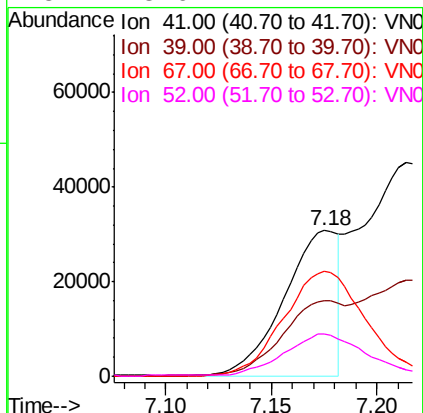
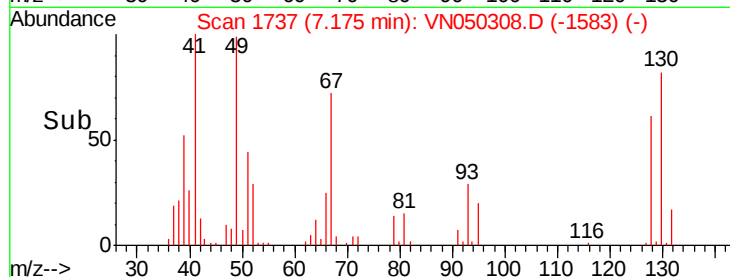
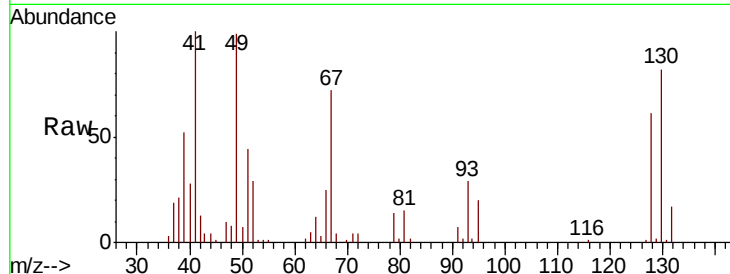
#35
Methacrylonitrile
Concen: 15.41 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0803WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	27.6	82.7	
67	71.7	35.1	105.5	
52	28.6	14.1	42.4	

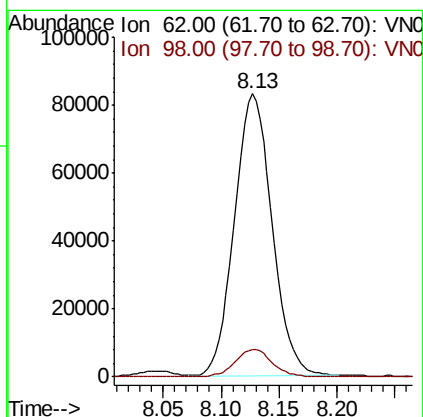
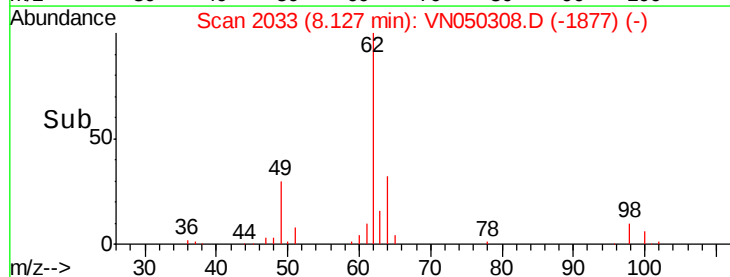
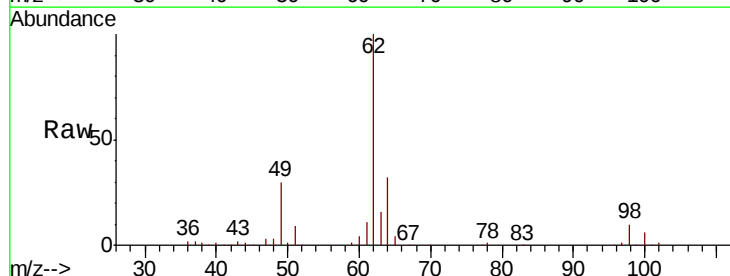
Manual Integrations
APPROVED

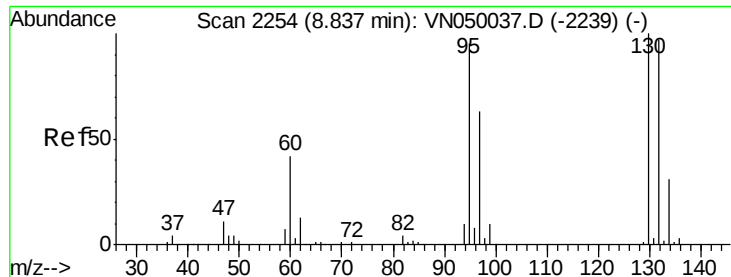
MMDadoda
8/6/2018 11:38:13 AM



#36
1,2-Dichloroethane
Concen: 18.83 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	7.8	11.6	





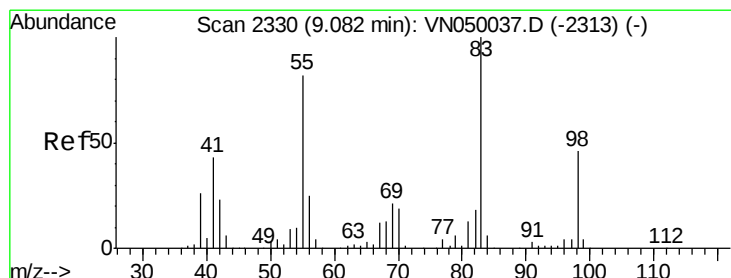
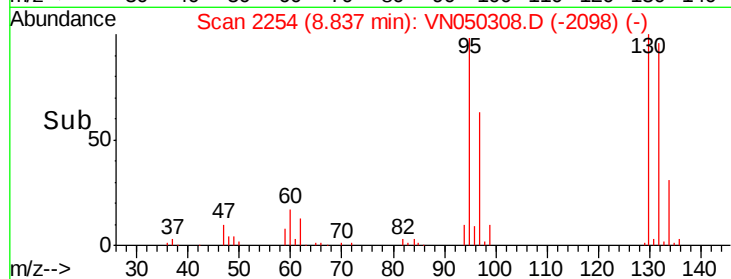
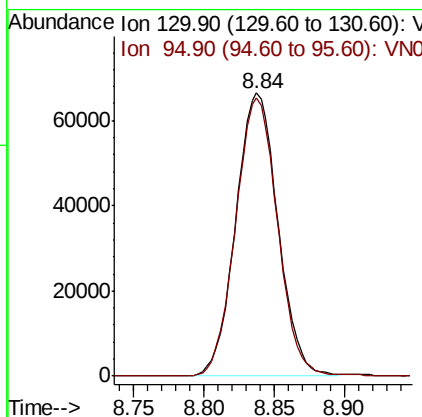
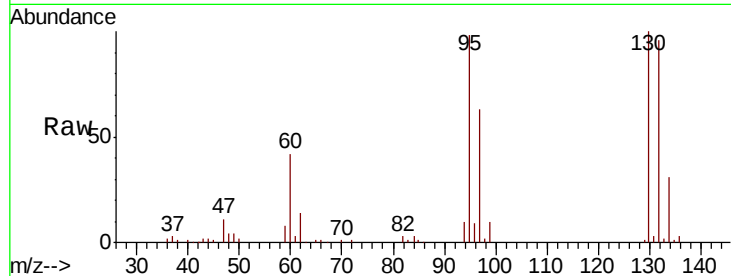
#37
 Trichloroethene
 Concen: 17.43 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		139098		
95	98.4	79.7	119.5		

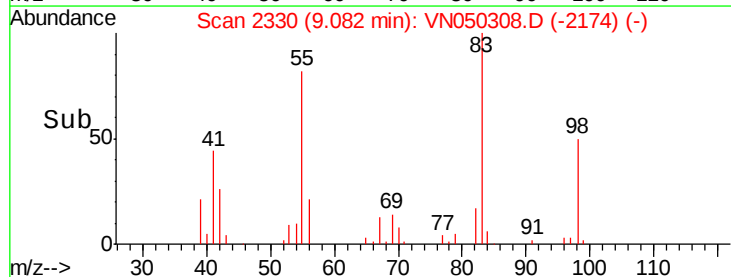
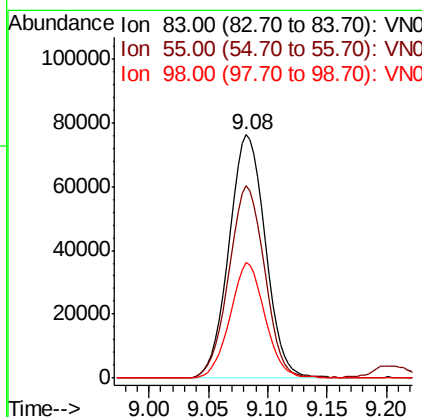
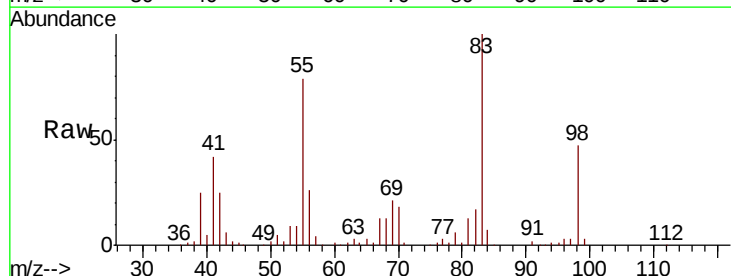
Manual Integrations
 APPROVED

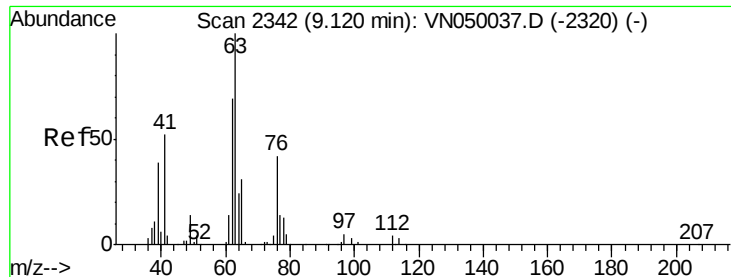
MMDadoda
 8/6/2018 11:38:13 AM



#38
 Methylcyclohexane
 Concen: 15.32 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		161837		
55	77.9	39.3	117.8		
98	45.4	23.0	69.0		





#39

1,2-Dichloropropane

Concen: 18.50 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0803WBSD01

Tot Ion: 63 Resp: 148263

Ion Ratio Lower Upper

63 100

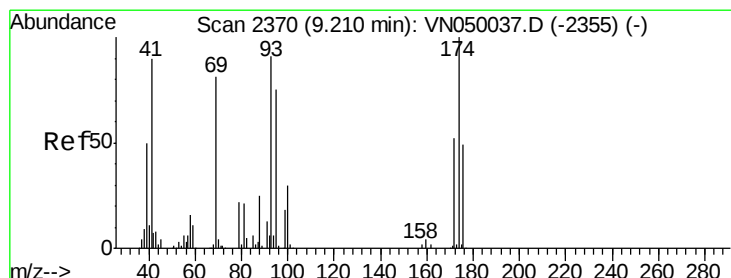
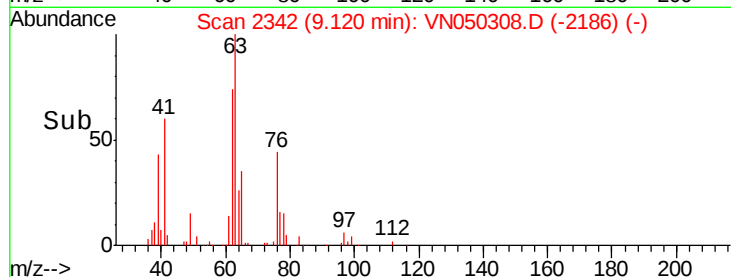
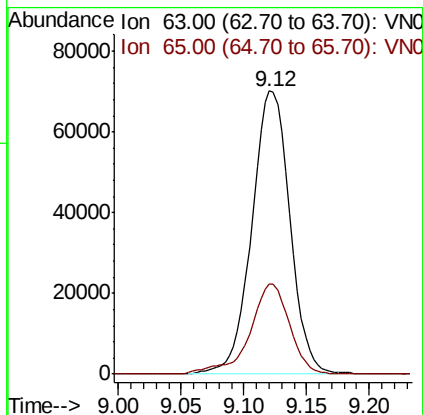
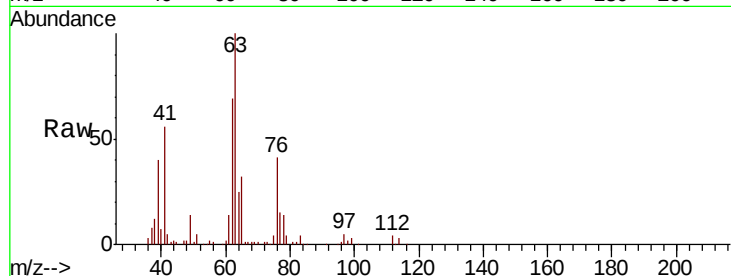
65 31.7 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

8/6/2018 11:38:13 AM



#40

Dibromomethane

Concen: 18.90 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

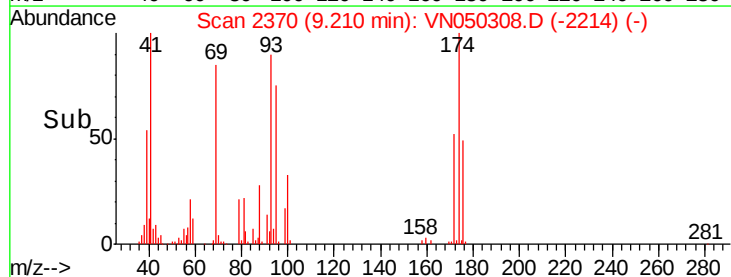
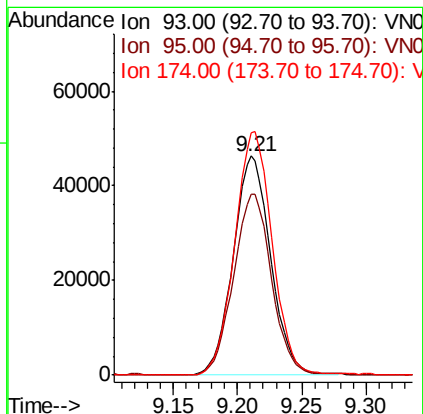
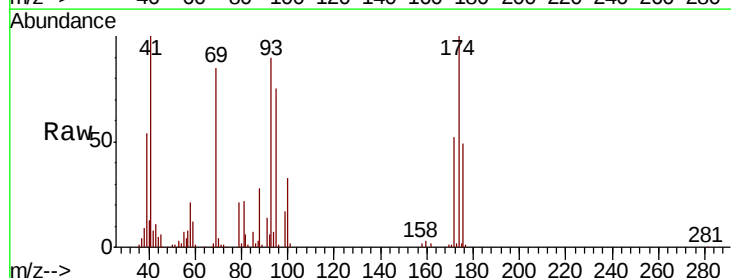
Tgt Ion: 93 Resp: 93628

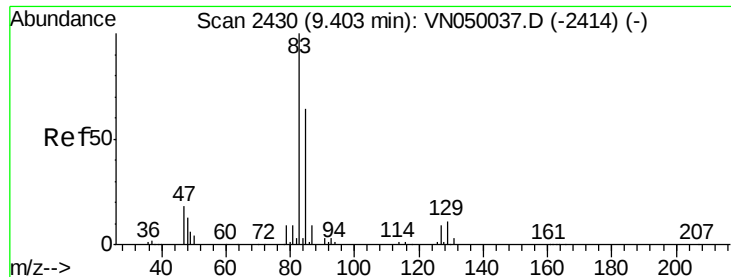
Ion Ratio Lower Upper

93 100

95 83.8 0.0 165.6

174 110.9 0.0 223.2





#41

Bromodichloromethane

Concen: 18.76 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

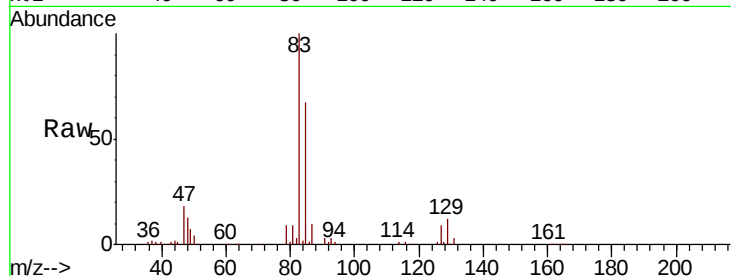
ClientSampled :

VN0803WBSD01

Tot Ion:	83	Resp:	196018
Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.6	78.8
127	8.6	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:38:13 AM

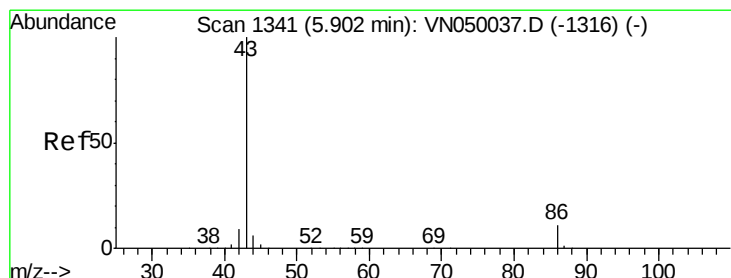
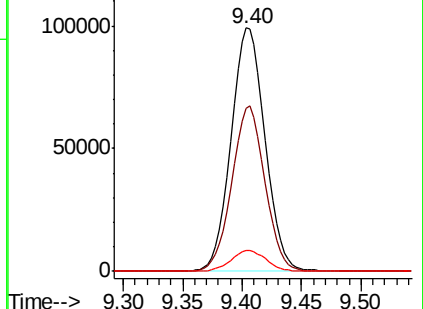
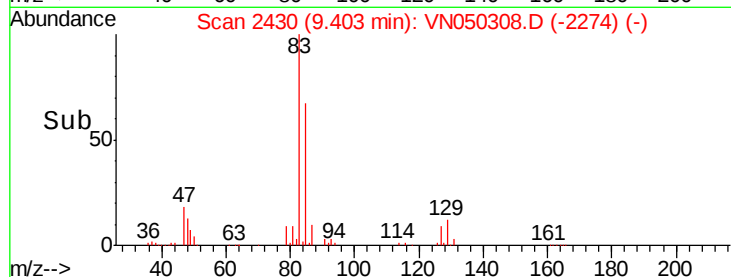


Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2414) (-)

Ion 85.00 (84.70 to 85.70): VN050037.D (-2414) (-)

Ion 127.00 (126.70 to 127.70): VN050037.D (-2414) (-)

Time-->



#42

Vinyl Acetate

Concen: 91.06 ug/l

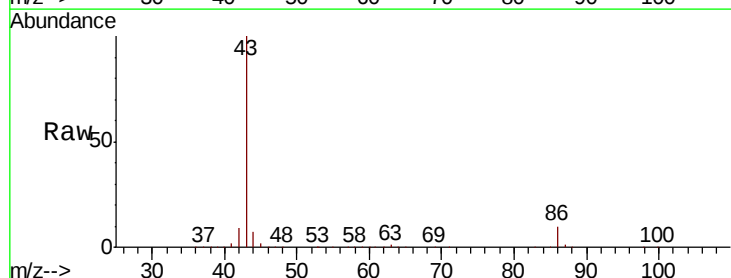
RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

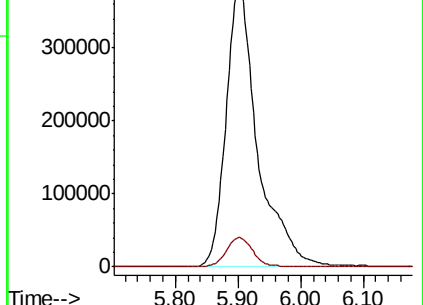
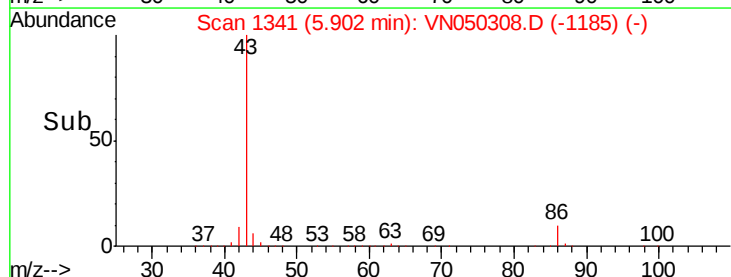
Tgt Ion:	43	Resp:	1347055
Ion	Ratio	Lower	Upper
43	100		
86	8.8	7.3	10.9

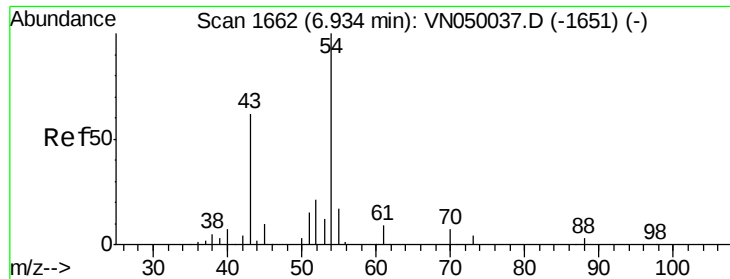


Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-1316) (-)

Ion 86.00 (85.70 to 86.70): VN050037.D (-1316) (-)

Time-->





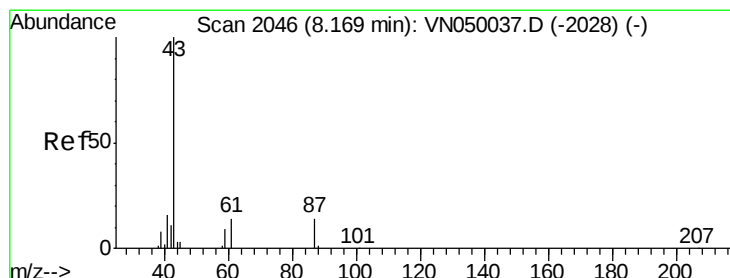
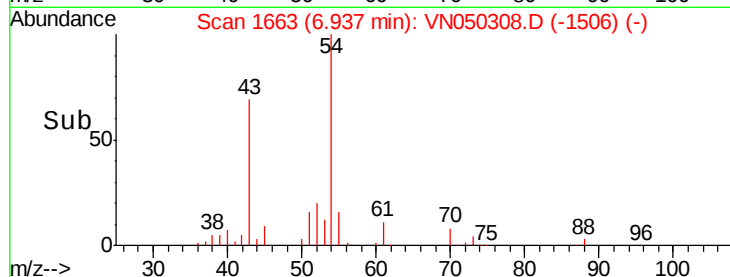
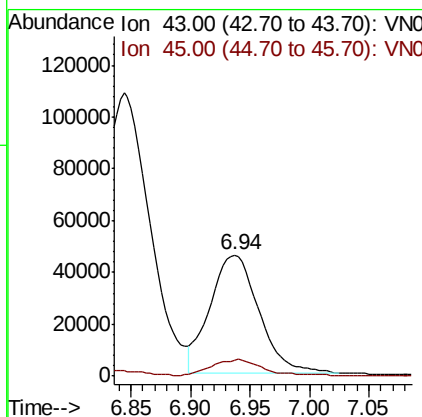
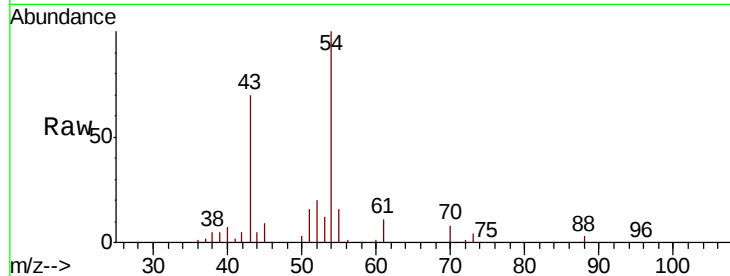
#43
Ethyl Acetate
Concen: 19.97 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

Tot Ion	43	45	Ratio	Lower	Upper
131099	100	13.9		13.0	19.6

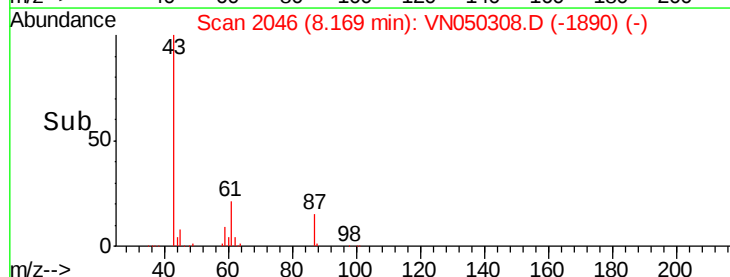
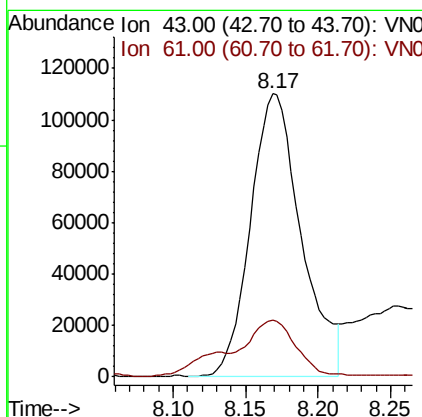
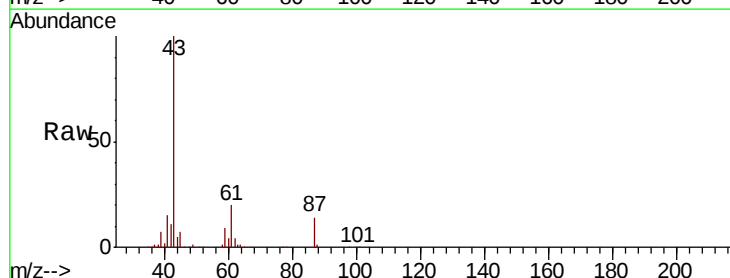
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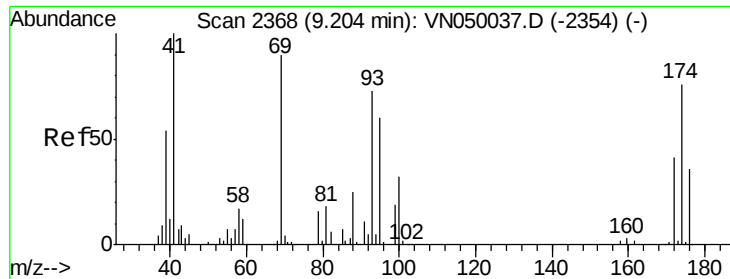
MMDadoda
8/6/2018 11:38:13 AM



#44
Isopropyl Acetate
Concen: 22.01 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	43	61	Ratio	Lower	Upper
267700	100	16.8		16.4	24.6





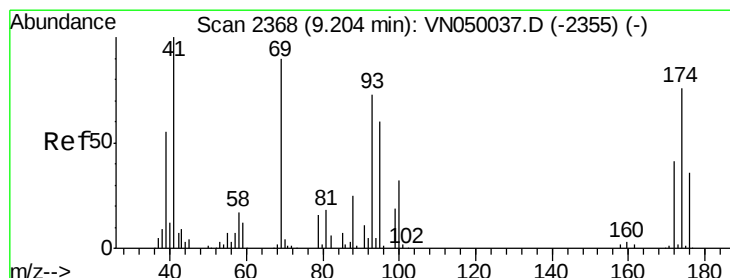
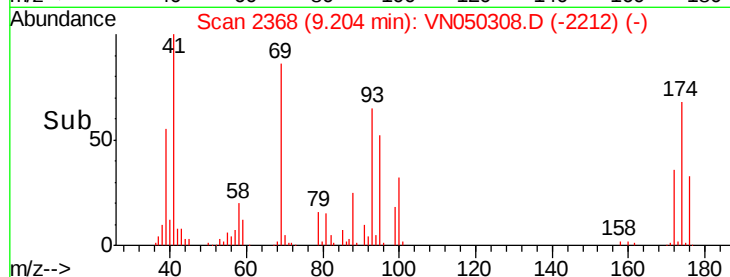
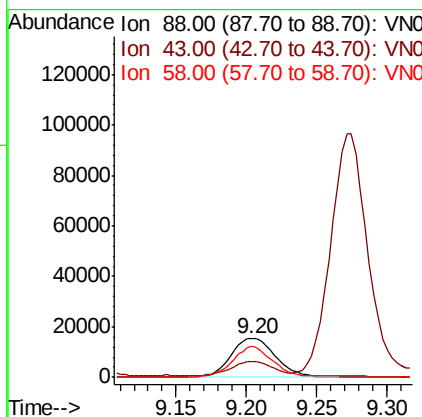
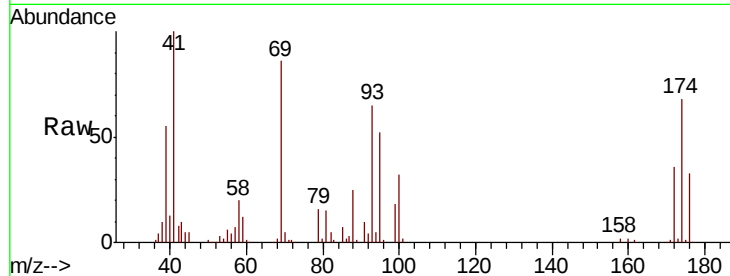
#45
 1,4-Dioxane
 Concen: 428.95 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

Tot Ion	88	Resp	34324
Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.9	40.3
58	72.0	53.6	80.4

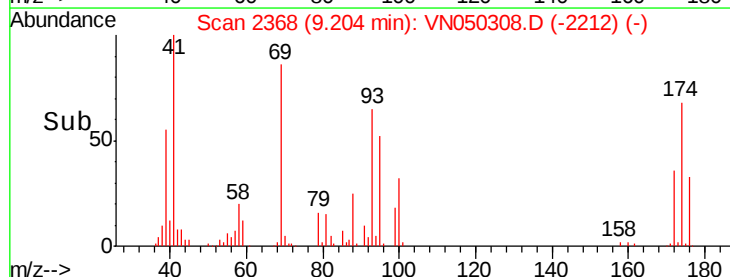
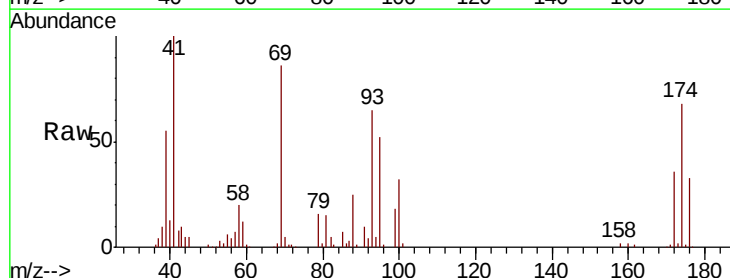
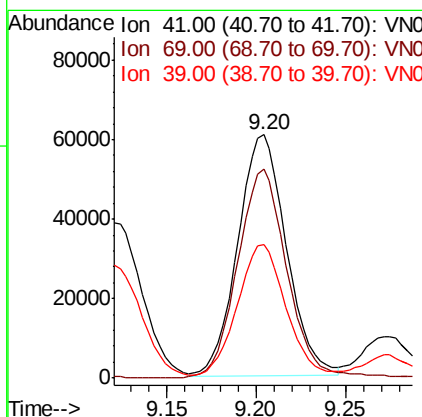
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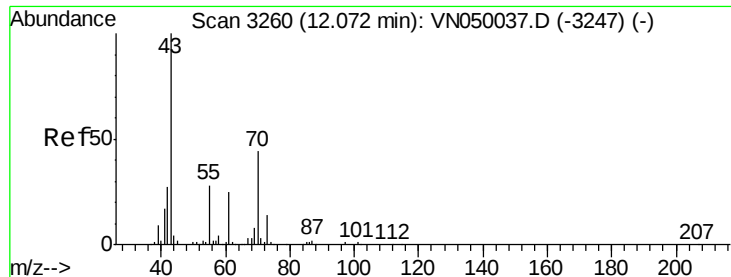
MMDadoda
 8/6/2018 11:38:13 AM



#46
 Methyl methacrylate
 Concen: 19.66 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	41	Resp	115880
Ion	Ratio	Lower	Upper
41	100		
69	87.0	44.0	132.1
39	54.9	27.0	80.8





#47

n-amyl Acetate

Concen: 17.56 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

Tot Ion: 43 Resp: 166144

Ion Ratio Lower Upper

43 100

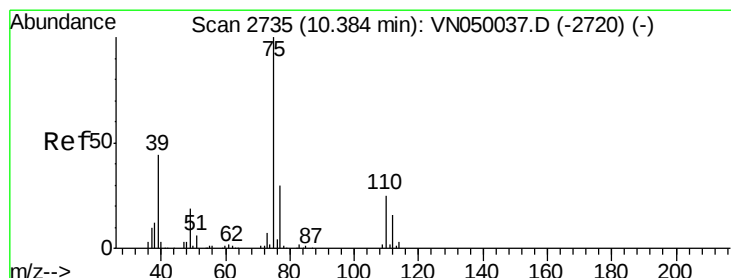
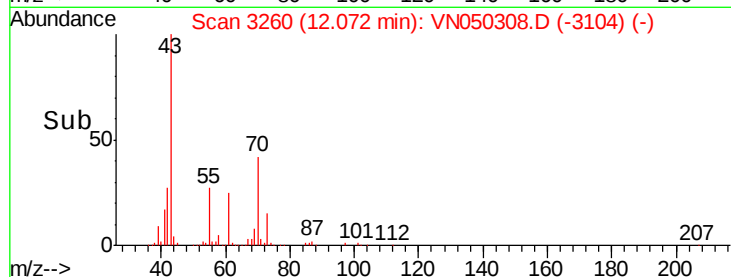
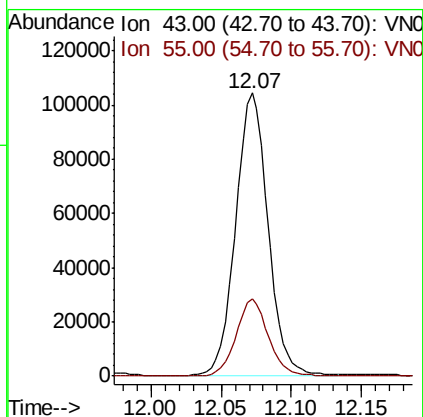
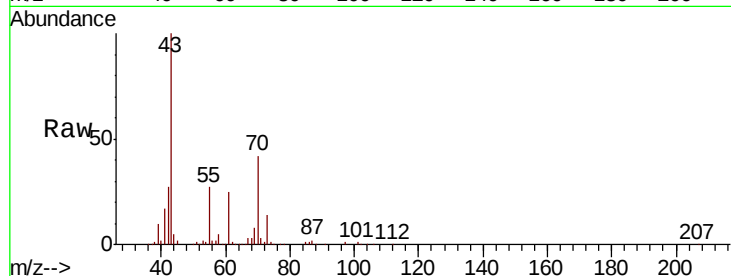
55 27.3 21.0 31.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.69 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050308.D

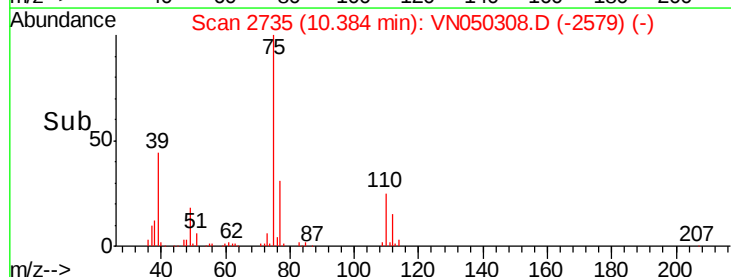
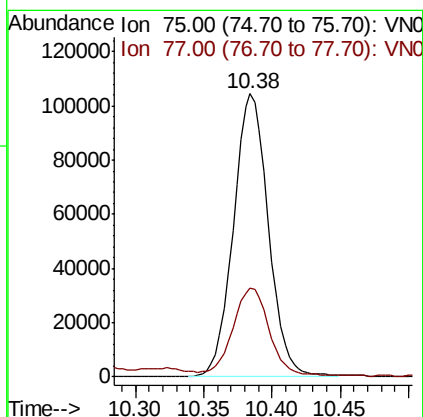
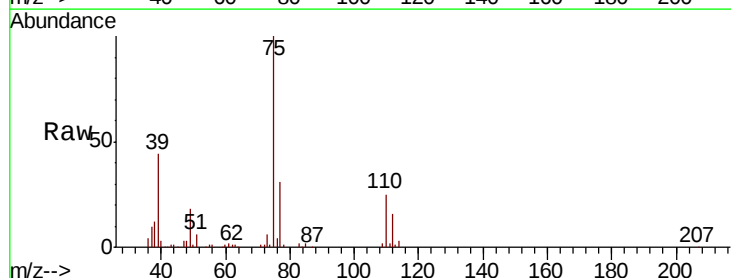
Acq: 3 Aug 2018 12:27

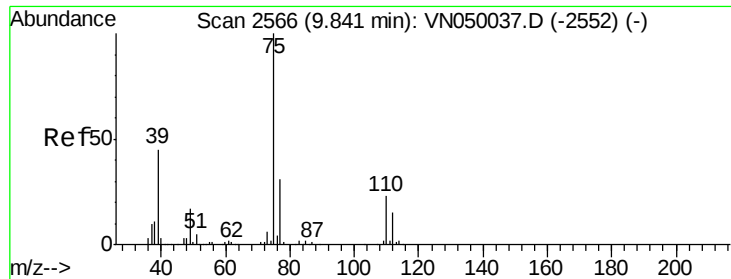
Tgt Ion: 75 Resp: 186179

Ion Ratio Lower Upper

75 100

77 30.7 24.6 37.0





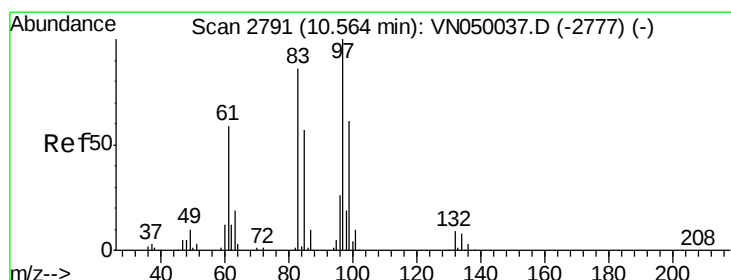
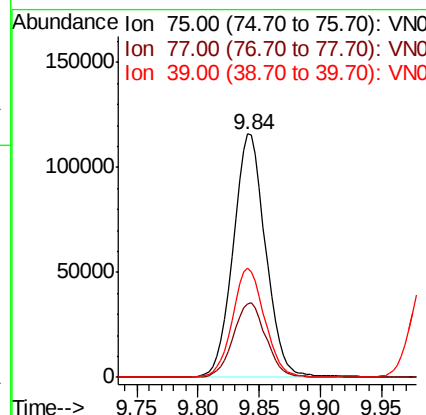
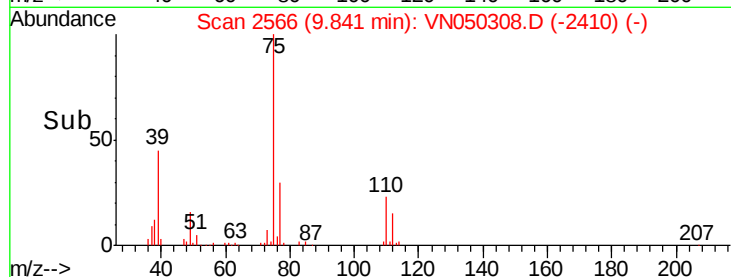
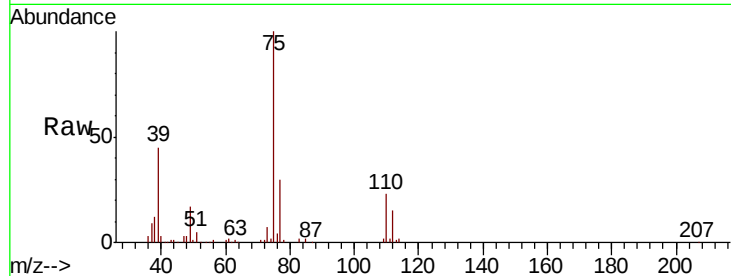
#49
 cis-1,3-Dichloropropene
 Concen: 18.31 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.7	38.5
39	44.5	36.3	54.5

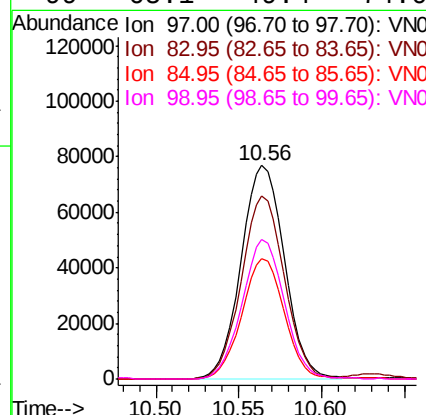
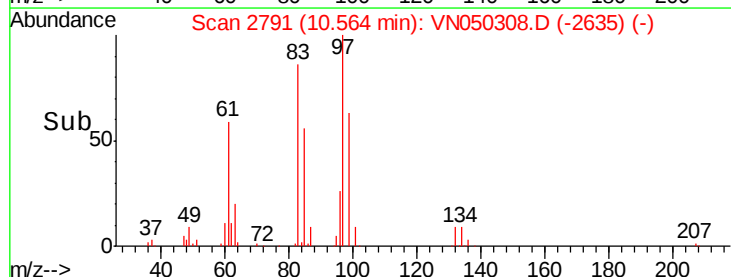
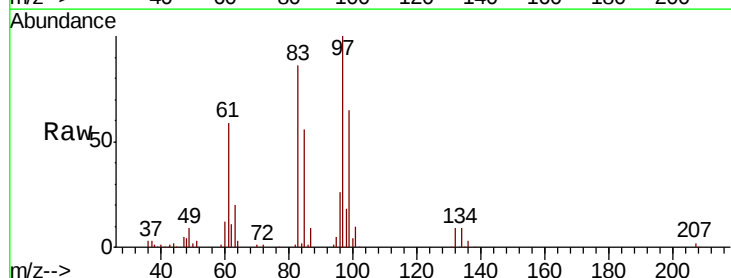
Manual Integrations
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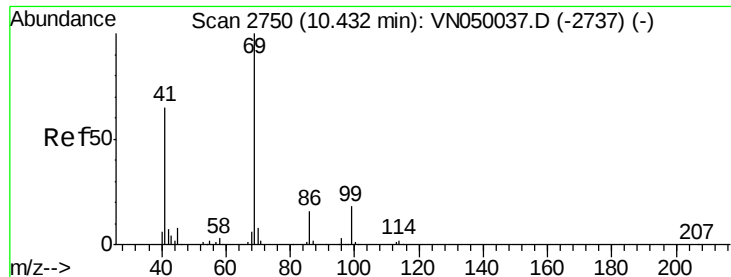
MMDadoda
 8/6/2018 11:38:13 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.75 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.1	102.1
85	56.4	45.4	68.2
99	65.1	49.4	74.0





#51

Ethyl methacrylate

Concen: 18.77 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

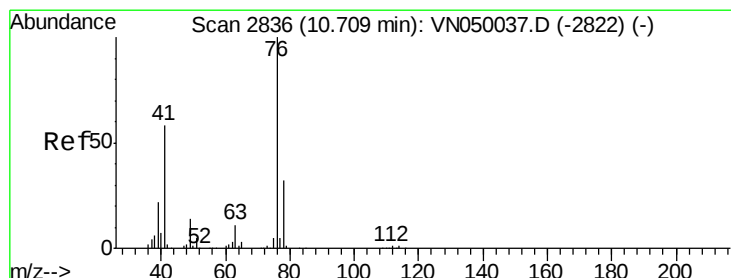
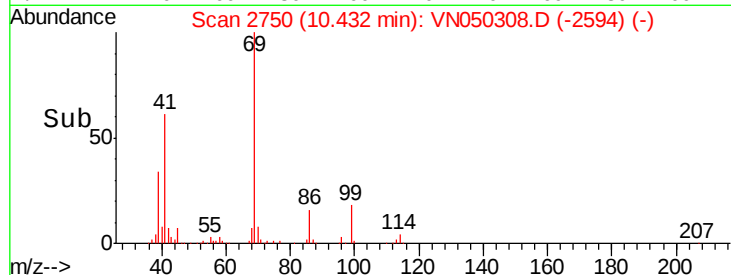
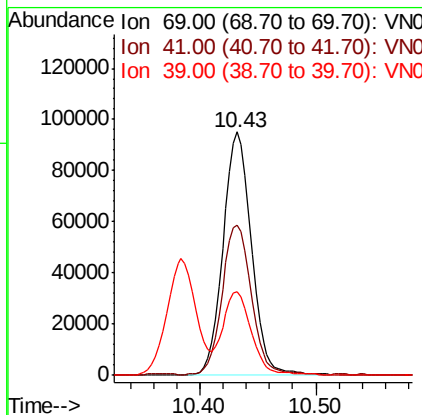
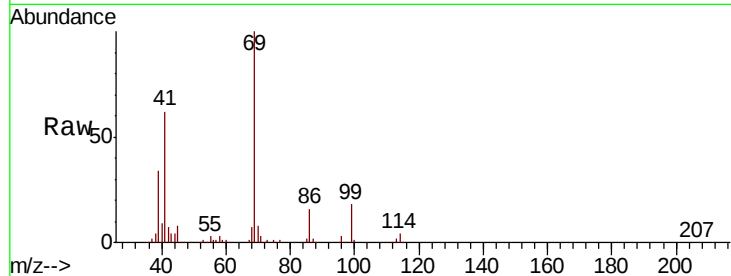
ClientSampleId :

VN0803WBSD01

Tot Ion:	69	Resp:	161950
Ion	Ratio	Lower	Upper
69	100		
41	61.4	31.9	95.9
39	34.0	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.11 ug/l

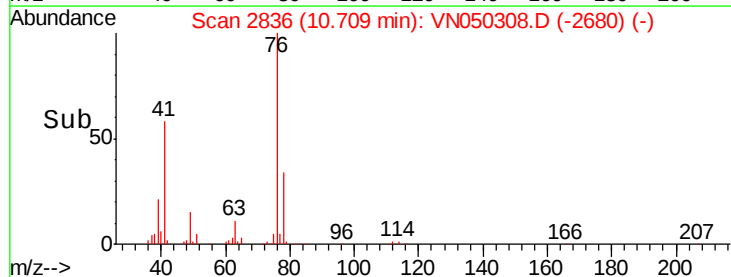
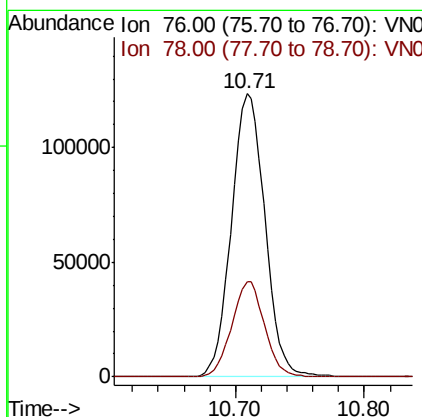
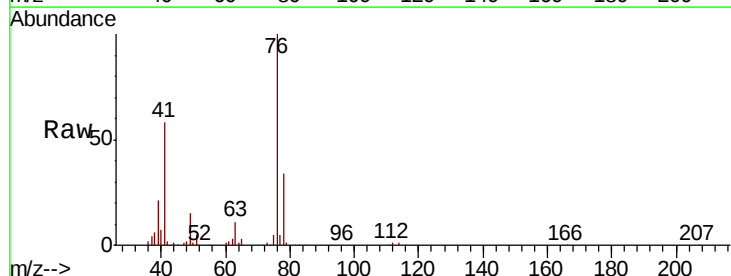
RT: 10.71 min Scan# 2836

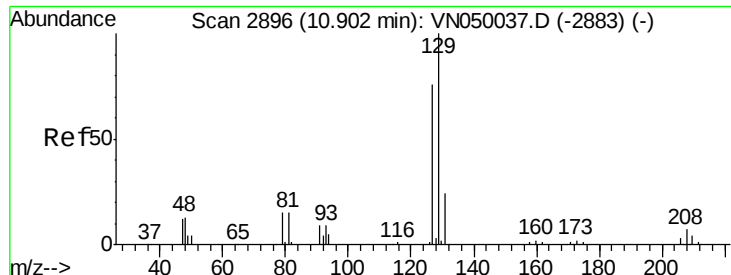
Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Tgt Ion:	76	Resp:	223173
Ion	Ratio	Lower	Upper
76	100		
78	33.0	0.0	65.6





#53

Dibromochloromethane

Concen: 18.36 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

Tot Ion:129 Resp: 148179

Ion Ratio Lower Upper

129 100

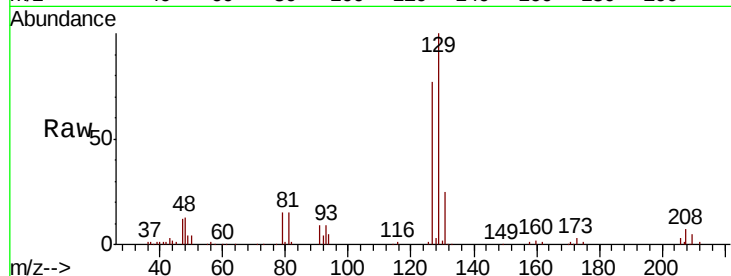
127 78.0 38.1 114.5

Manual Integrations

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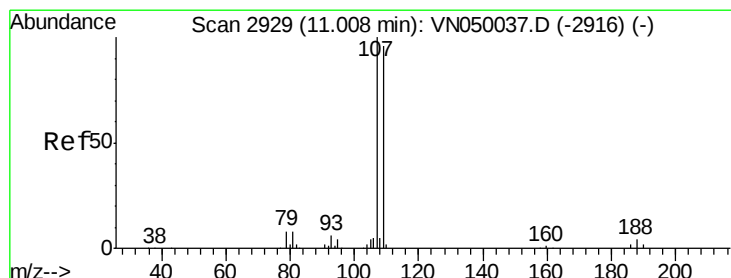
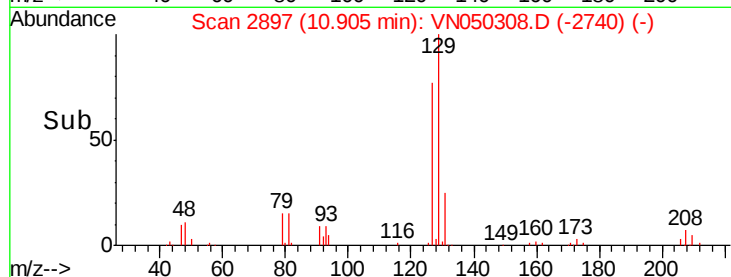
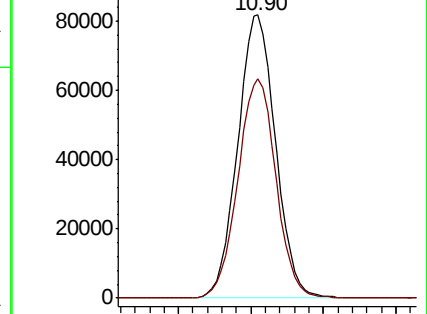
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.86 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050308.D

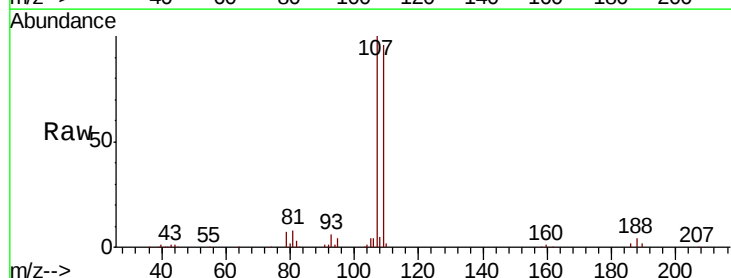
Acq: 3 Aug 2018 12:27

Tgt Ion:107 Resp: 131361

Ion Ratio Lower Upper

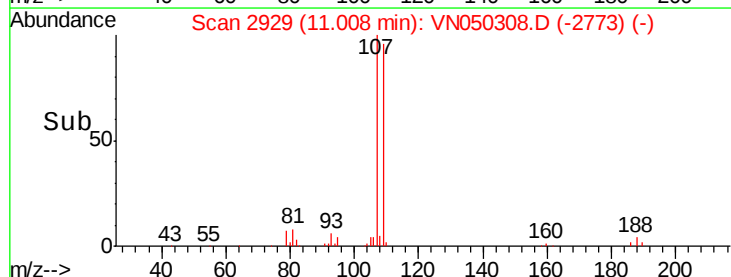
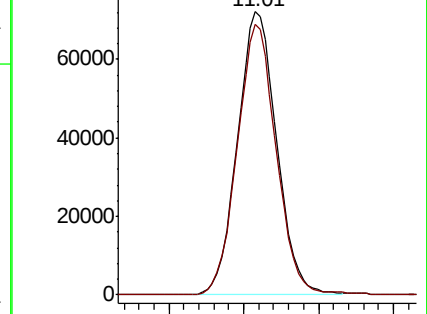
107 100

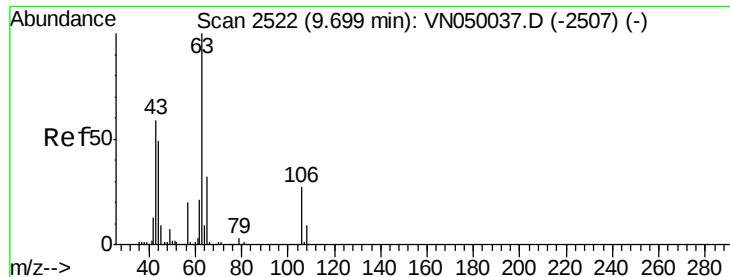
109 95.1 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 90.80 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

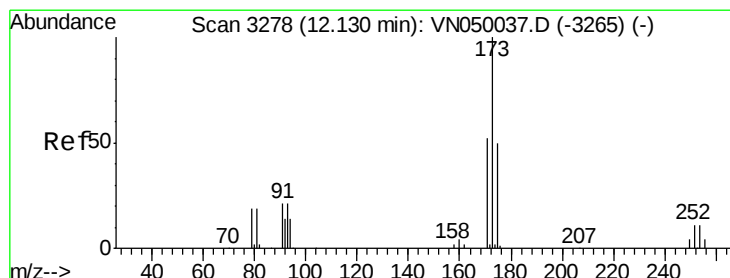
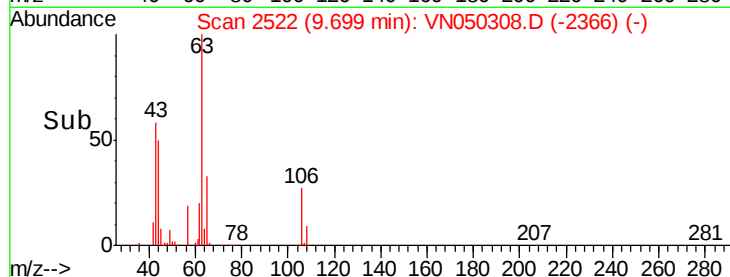
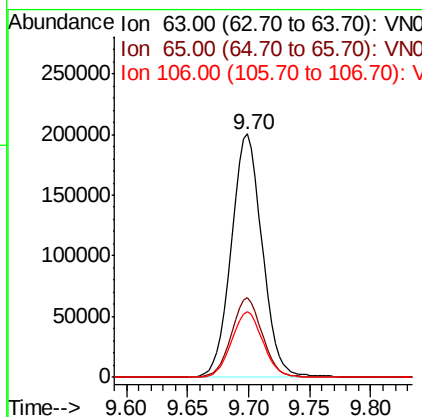
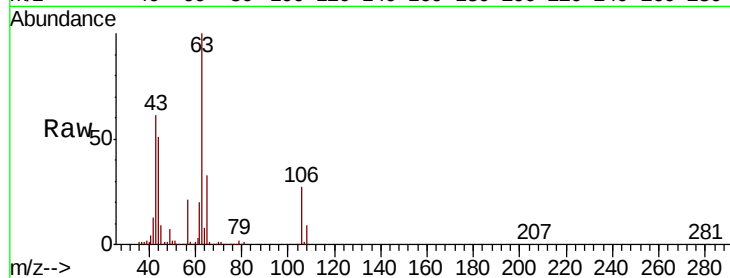
ClientSampled :

VN0803WBSD01

Tot Ion:	63	Resp:	354639
Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.5	38.3
106	27.2	21.8	32.6

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#56

Bromoform

Concen: 18.31 ug/l

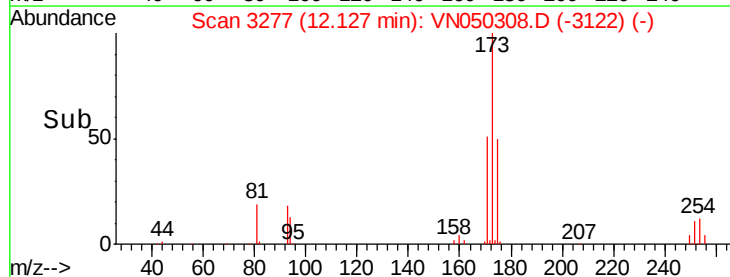
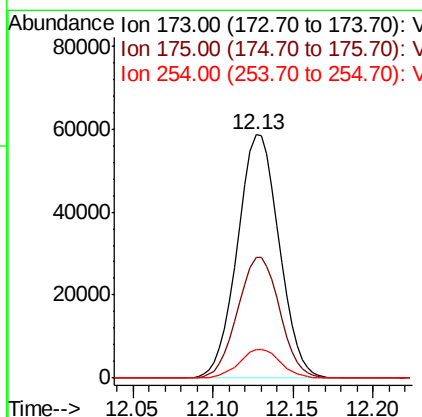
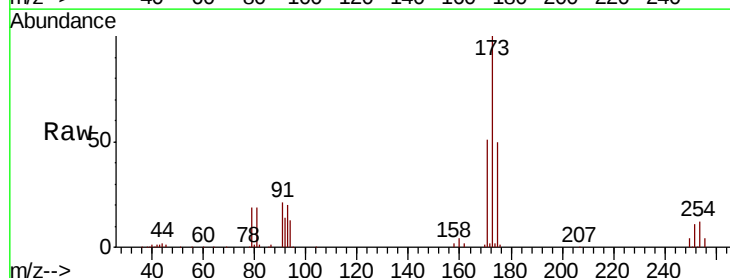
RT: 12.13 min Scan# 3277

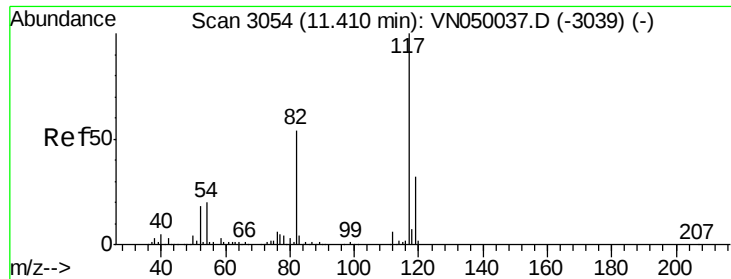
Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Tgt Ion:	173	Resp:	104354
Ion	Ratio	Lower	Upper
173	100		
175	50.0	38.6	57.8
254	11.6	8.8	13.2





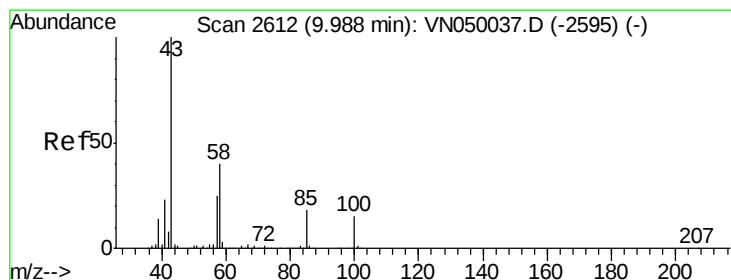
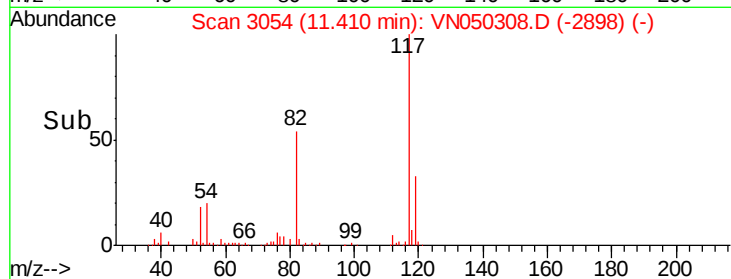
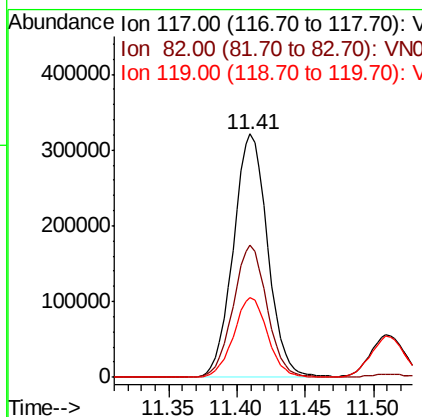
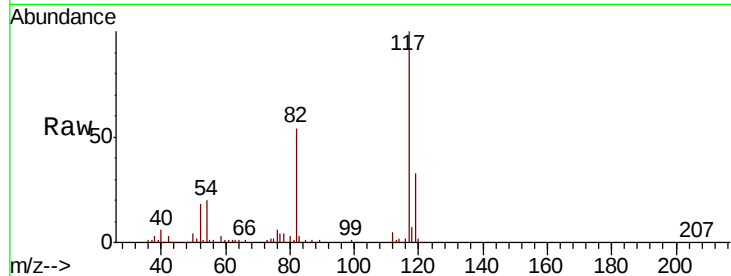
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.4	63.6
119	32.4	25.4	38.0

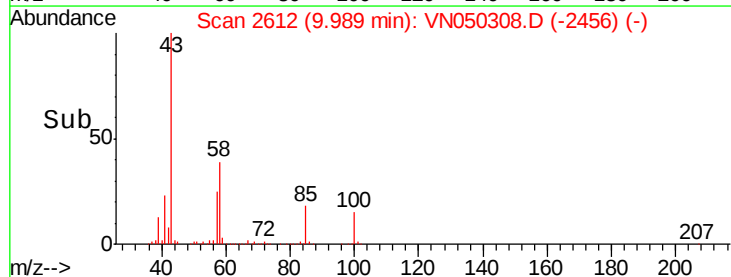
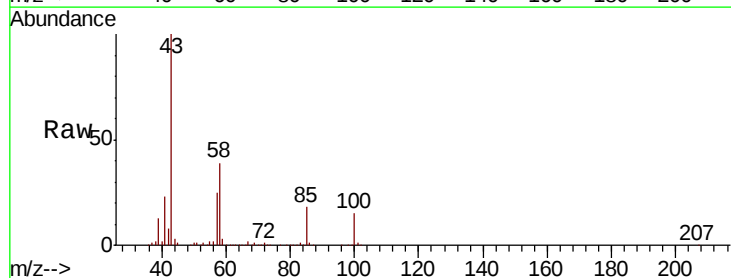
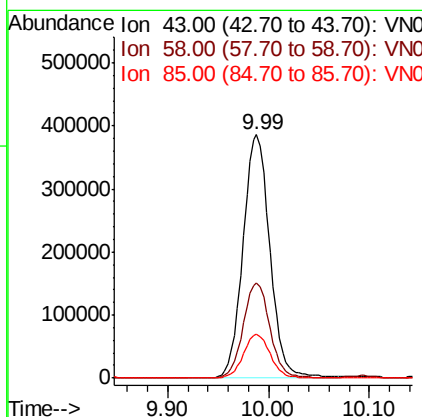
Manual Integrations
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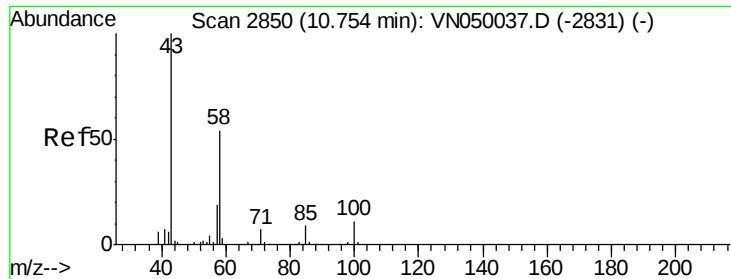
MMDadoda
8/6/2018 11:38:13 AM



#58
4-Methyl-2-Pentanone
Concen: 108.14 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.2	46.8
85	17.9	14.4	21.6





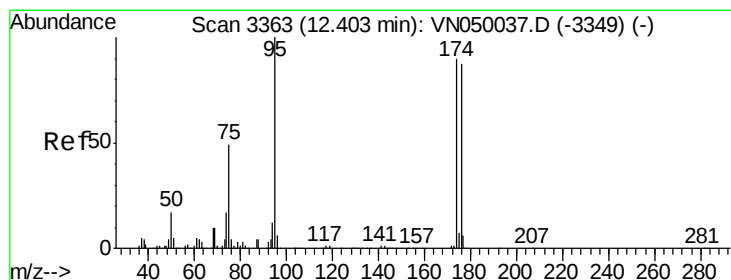
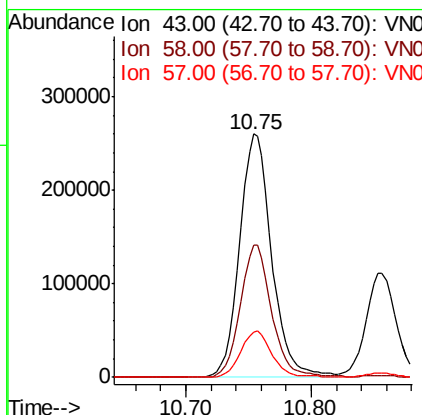
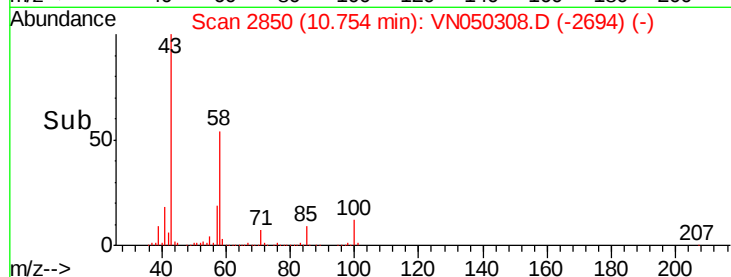
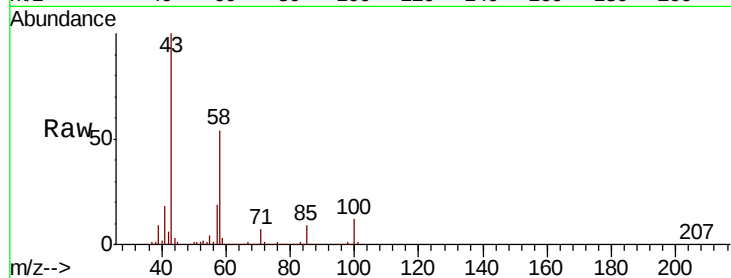
#59
2-Hexanone
Concen: 103.53 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0803WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	43.8	65.8
57	18.7	15.1	22.7

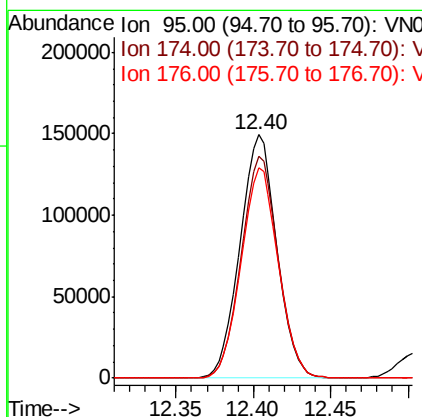
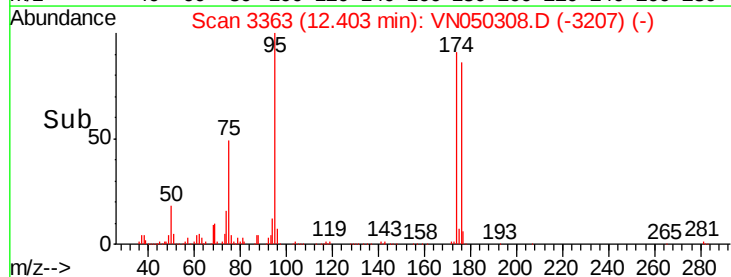
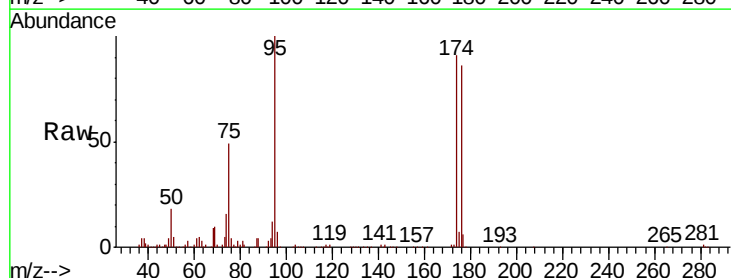
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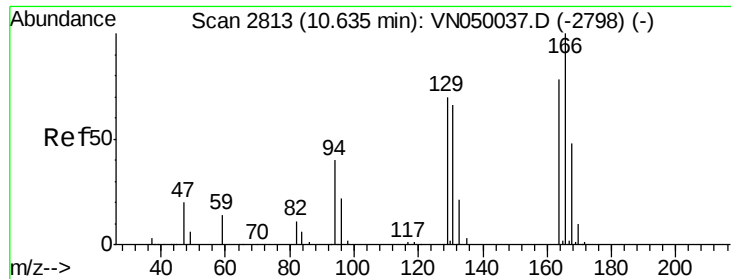
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.70 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	72.3	108.5
176	87.4	70.0	105.0





#61

Tetrachloroethene

Concen: 17.06 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

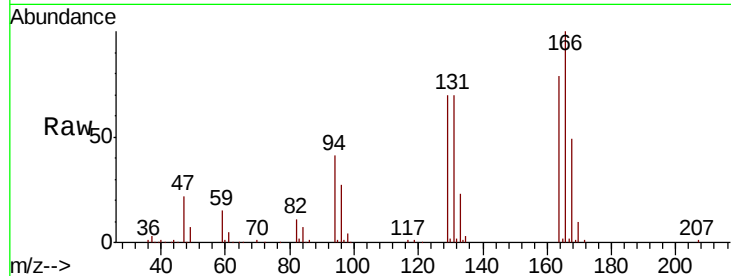
ClientSampleId :

VN0803WBSD01

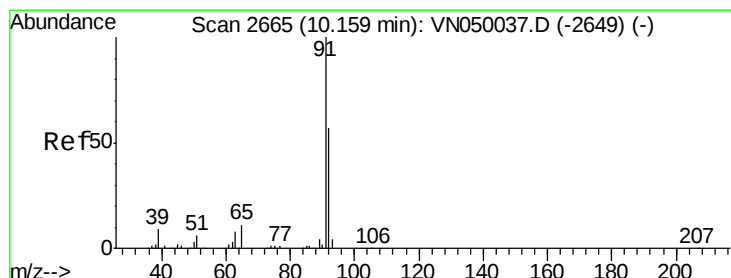
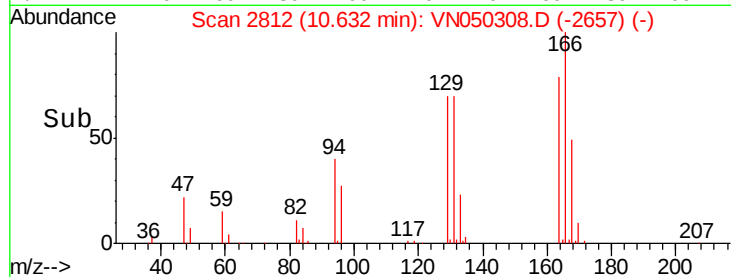
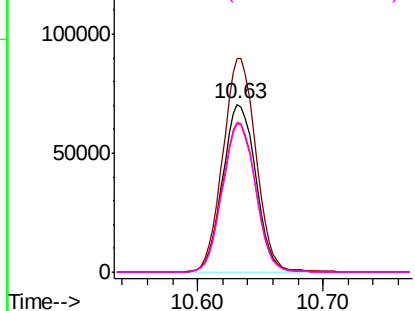
Tot Ion	Ratio	Lower	Upper
164	100		
166	126.9	100.0	150.0
129	89.0	69.3	103.9
131	88.7	68.8	103.2

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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.05 ug/l

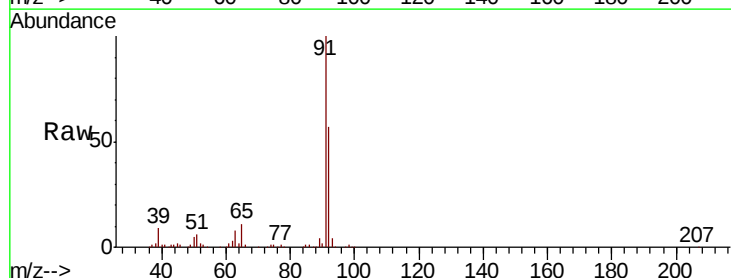
RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

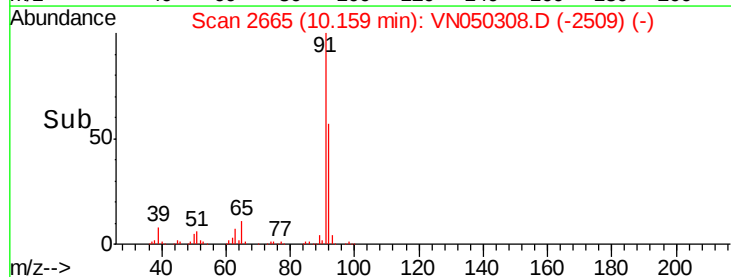
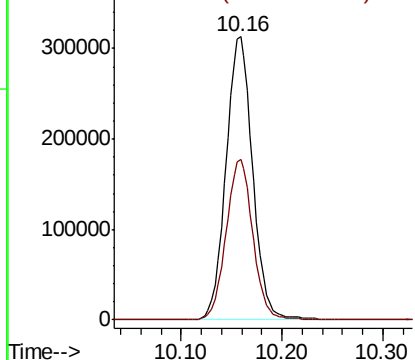
Lab File: VN050308.D

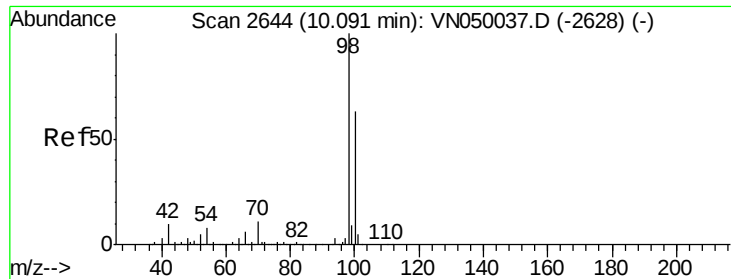
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	45.7	68.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.08 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0803WBSD01

Tot Ion: 98 Resp: 806248

Ion Ratio Lower Upper

98 100

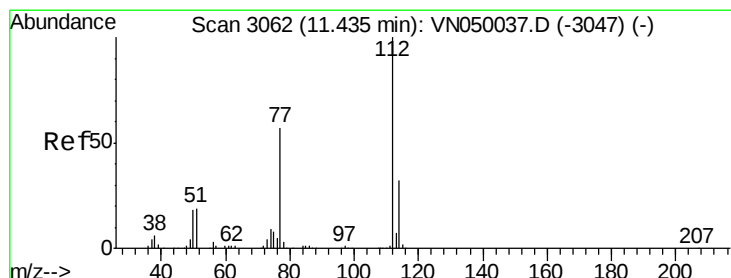
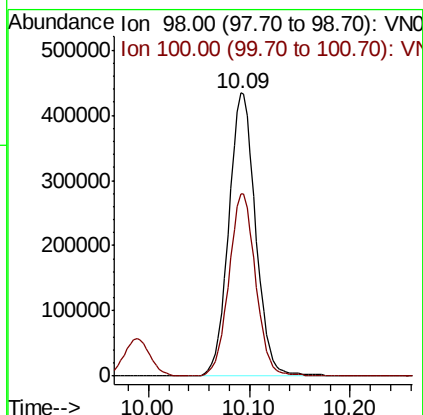
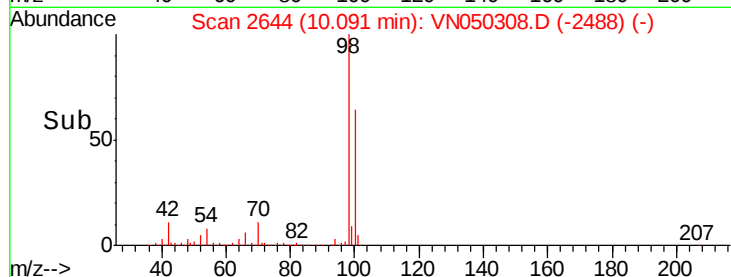
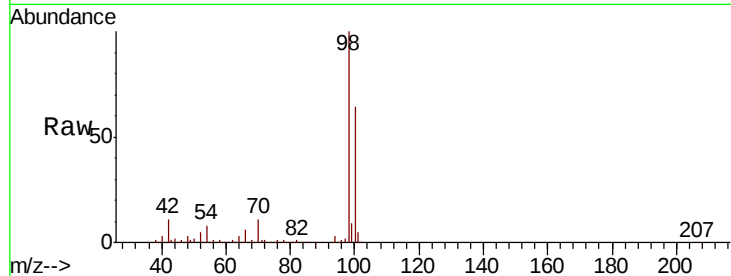
100 64.2 51.2 76.8

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#64

Chlorobenzene

Concen: 18.11 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050308.D

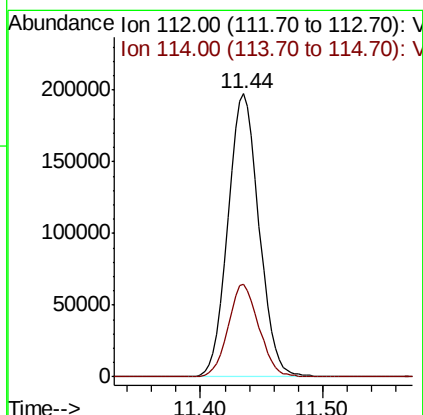
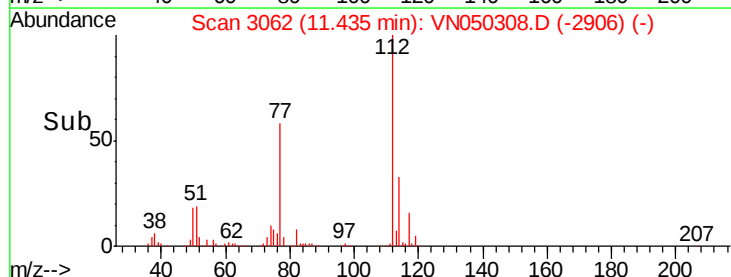
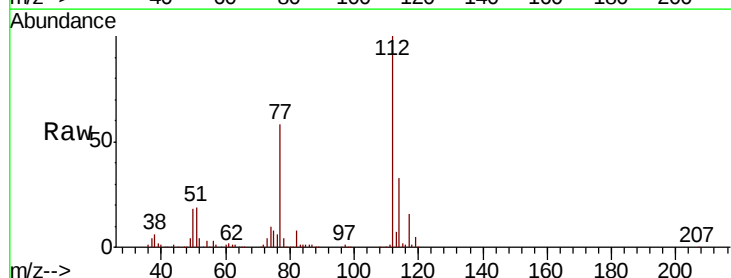
Acq: 3 Aug 2018 12:27

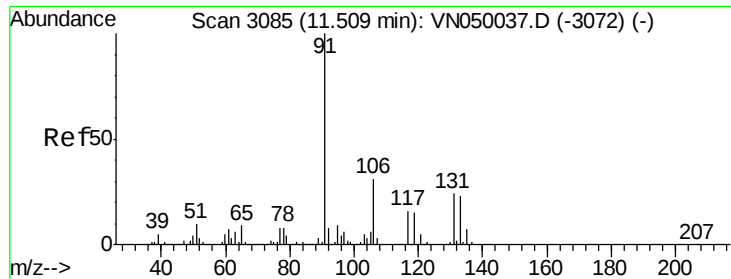
Tgt Ion: 112 Resp: 351602

Ion Ratio Lower Upper

112 100

114 32.9 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.14 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

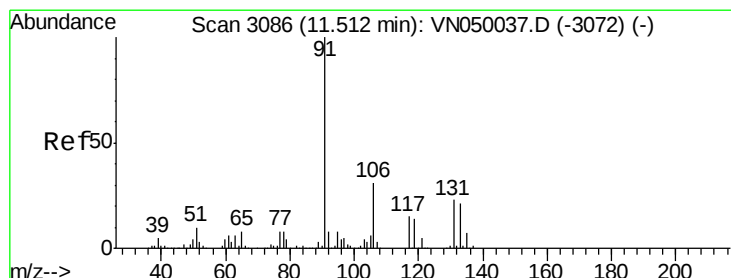
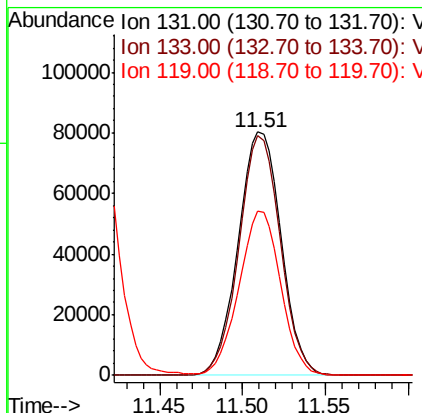
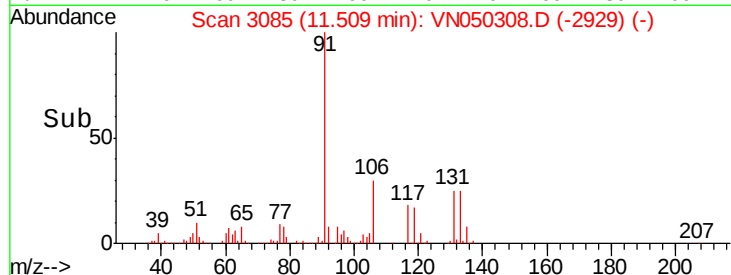
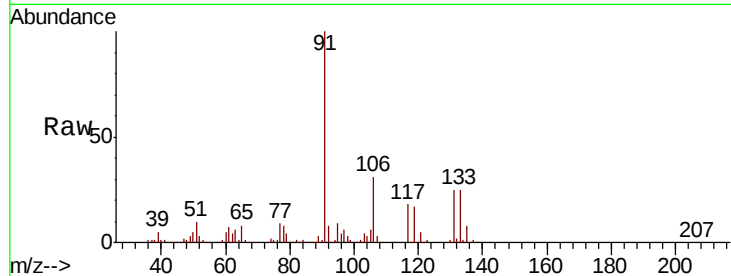
ClientSampled :

VN0803WBSD01

Tot Ion:	131	Resp:	144903
Ion Ratio	Lower	Upper	
131	100		
133	95.0	0.0	190.0
119	65.4	0.0	131.6

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#66

Ethyl Benzene

Concen: 17.47 ug/l

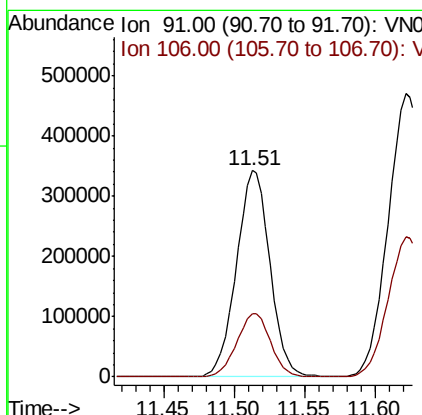
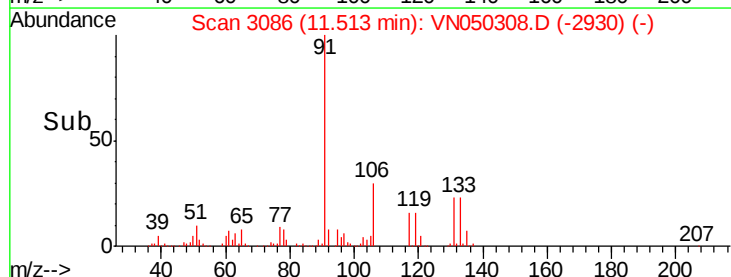
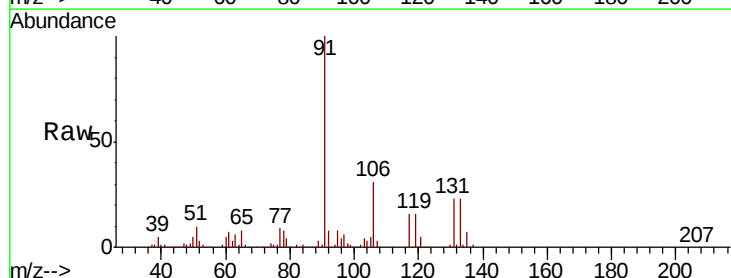
RT: 11.51 min Scan# 3086

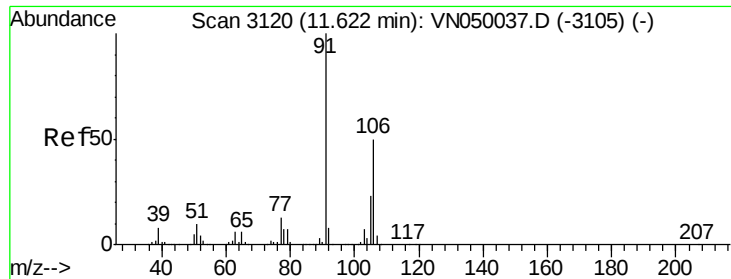
Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Tgt Ion:	91	Resp:	571431
Ion Ratio	Lower	Upper	
91	100		
106	30.8	25.1	37.7





#67

m/p-Xylenes

Concen: 35.27 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

Tot Ion:106 Resp: 444139

Ion Ratio Lower Upper

106 100

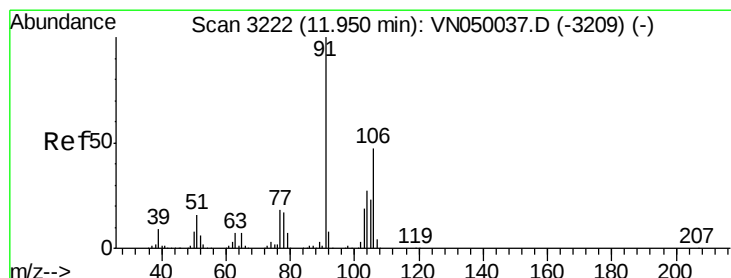
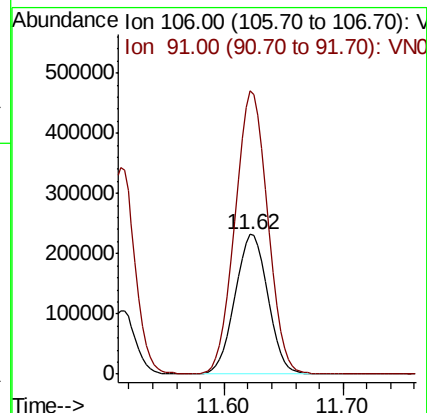
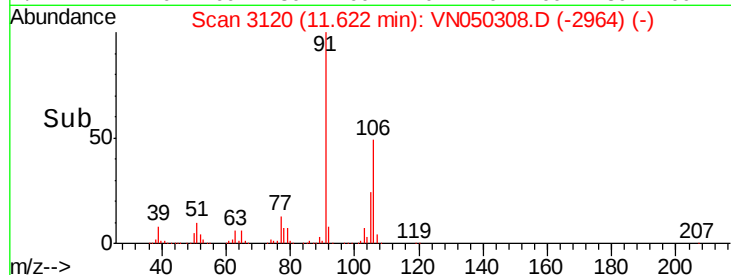
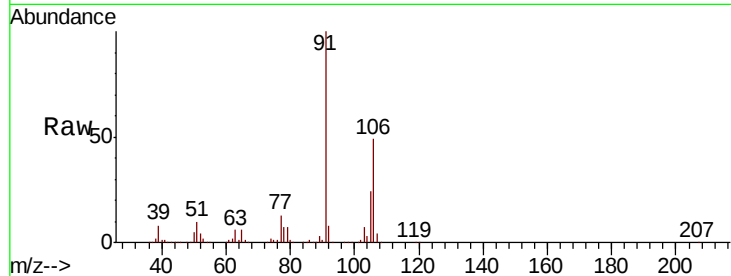
91 201.5 162.5 243.7

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#68

o-Xylene

Concen: 17.71 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050308.D

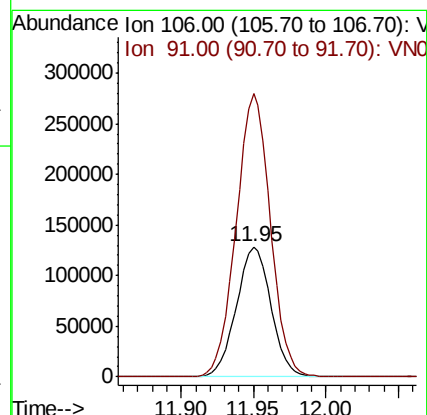
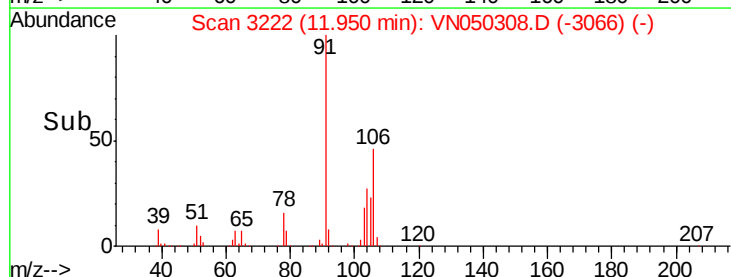
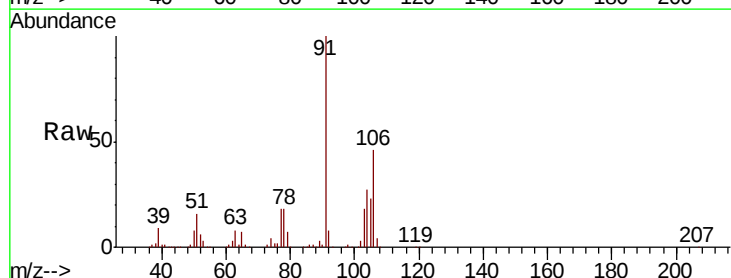
Acq: 3 Aug 2018 12:27

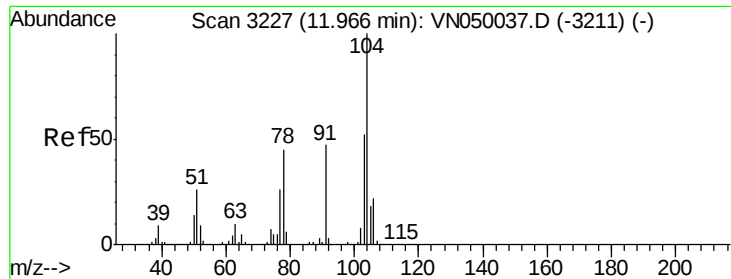
Tgt Ion:106 Resp: 212116

Ion Ratio Lower Upper

106 100

91 215.1 106.8 320.4





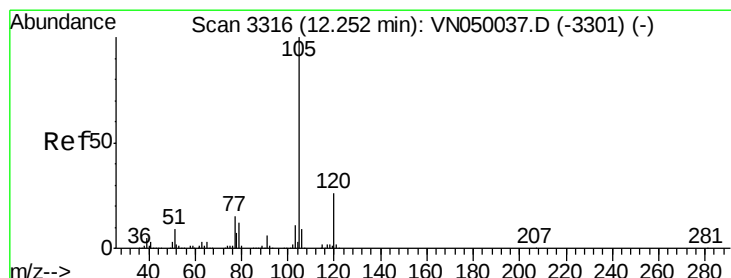
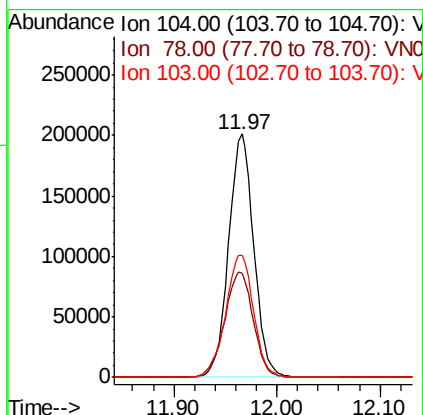
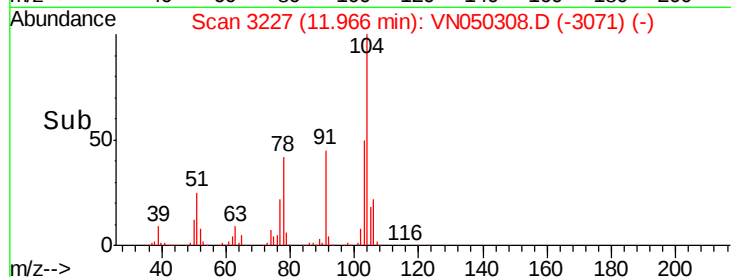
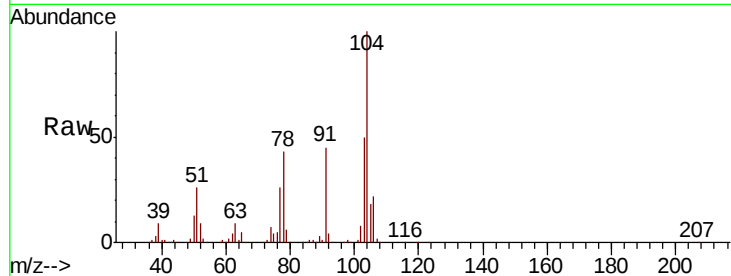
#69
Stvrene
Concen: 17.85 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	55.7	44.5	66.7

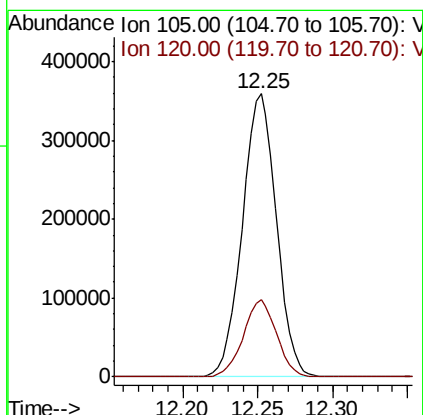
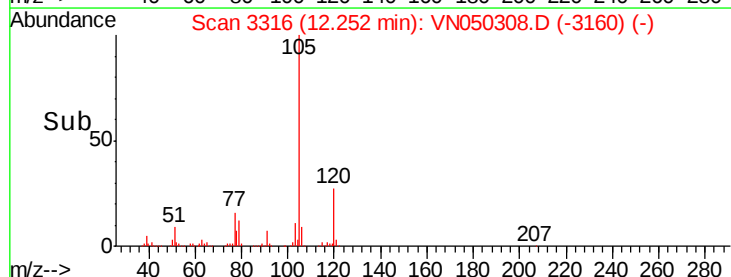
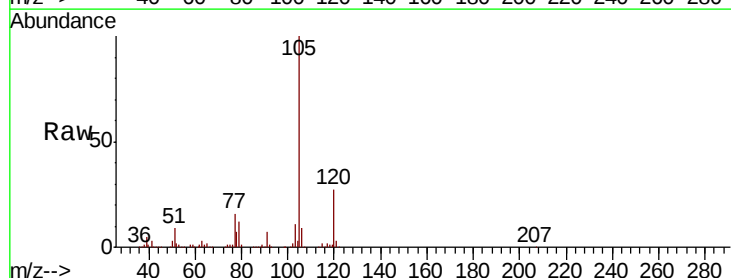
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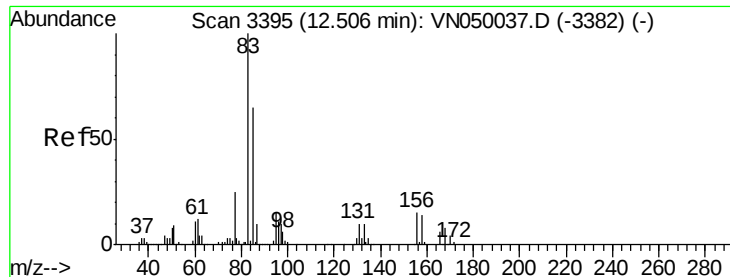
MMDadoda
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#70
Isopropylbenzene
Concen: 17.84 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.9	35.1





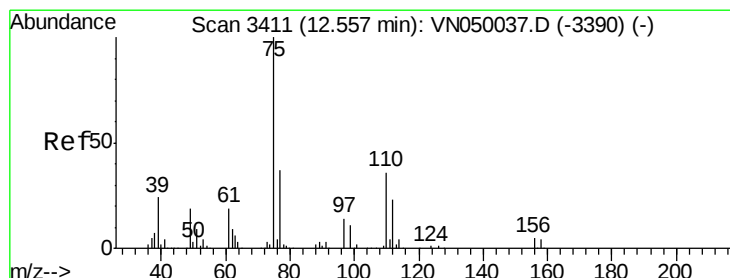
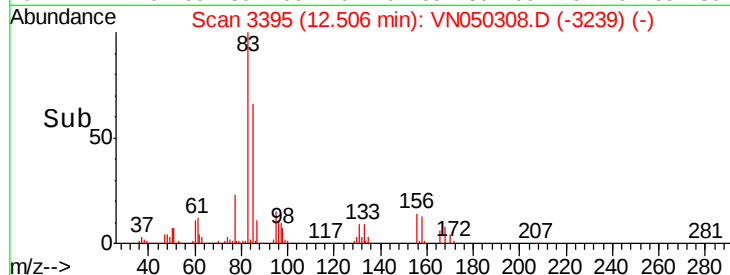
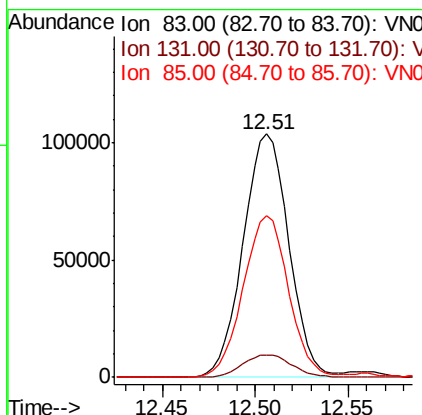
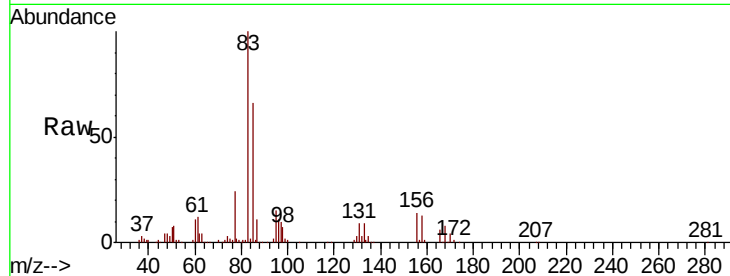
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.37 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.2	15.6
85	66.1	31.7	95.1

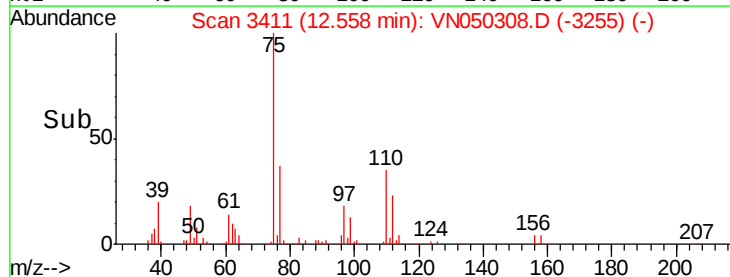
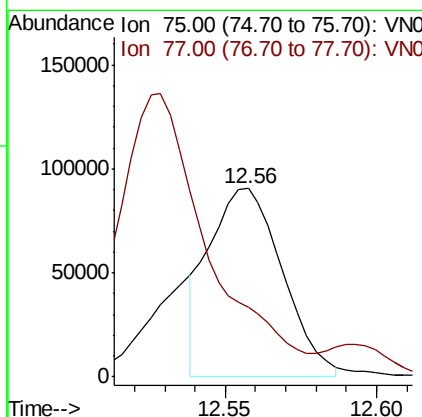
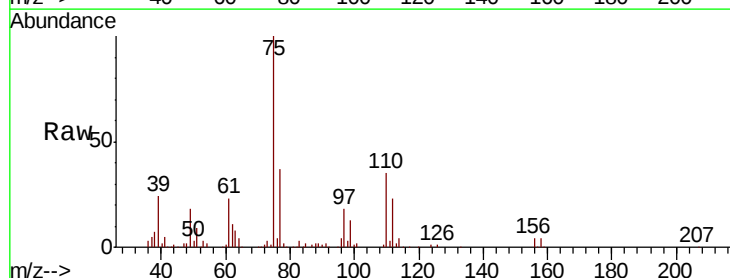
Manual Integrations
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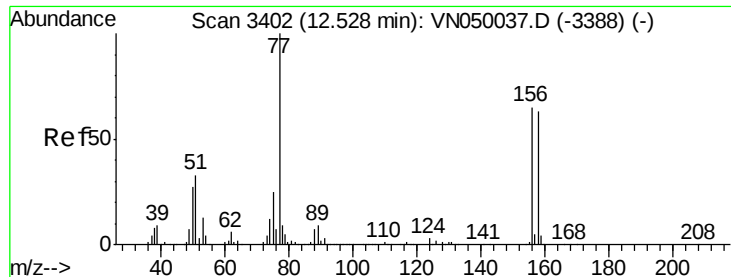
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#72
 1,2,3-Trichloropropane
 Concen: 20.35 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	186.8	0.0	454.4





#73

Bromobenzene

Concen: 17.70 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

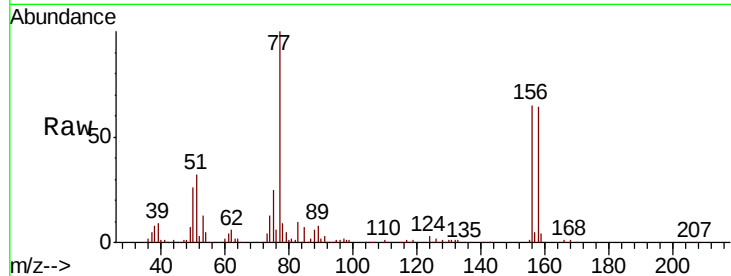
ClientSampled :

VN0803WBSD01

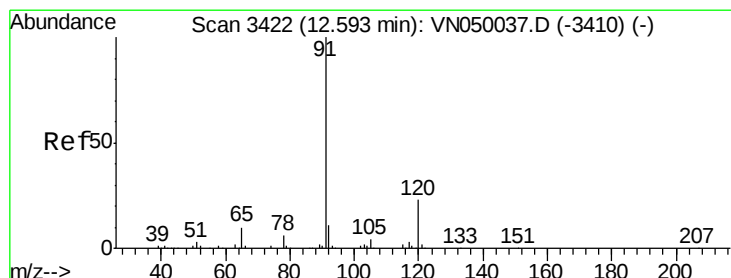
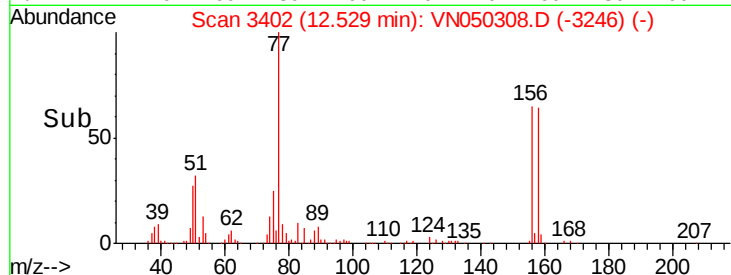
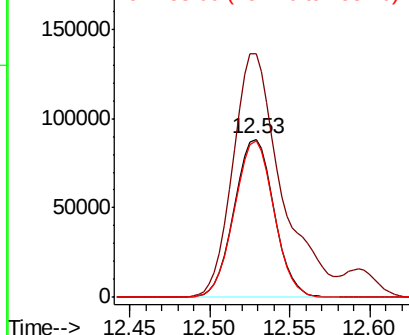
Tot Ion:	156	Resp:	150412
Ion Ratio	Lower	Upper	
156	100		
77	189.1	0.0	359.8
158	98.0	0.0	192.8

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.08 ug/l

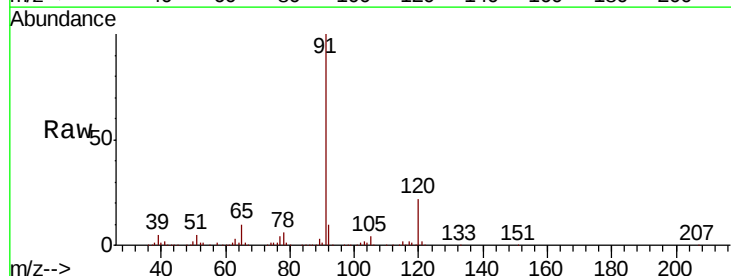
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

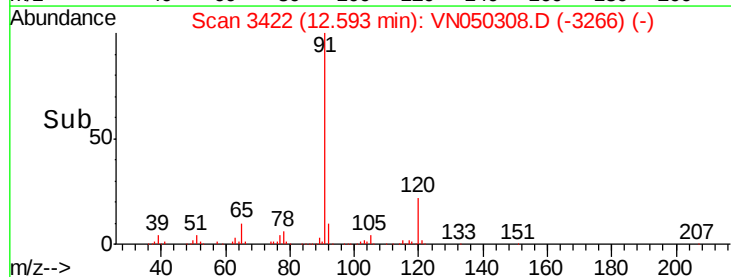
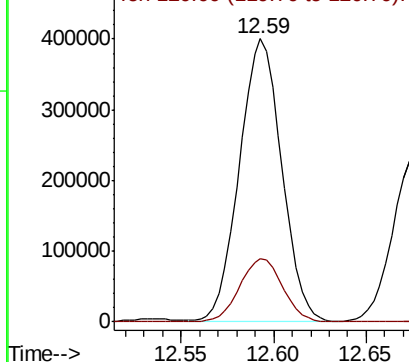
Lab File: VN050308.D

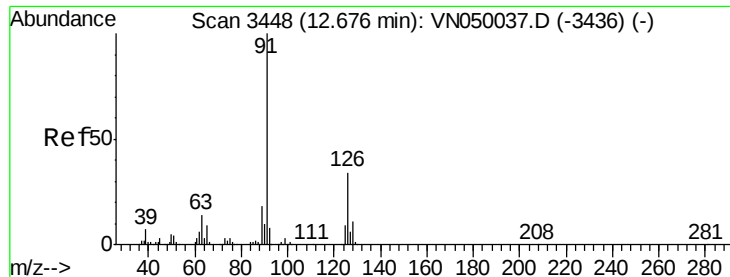
Acq: 3 Aug 2018 12:27

Tgt Ion:	91	Resp:	634686
Ion Ratio	Lower	Upper	
91	100		
120	22.6	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.79 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0803WBSD01

Tot Ion: 91 Resp: 397131

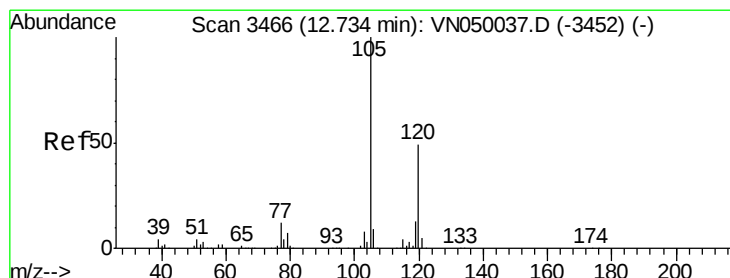
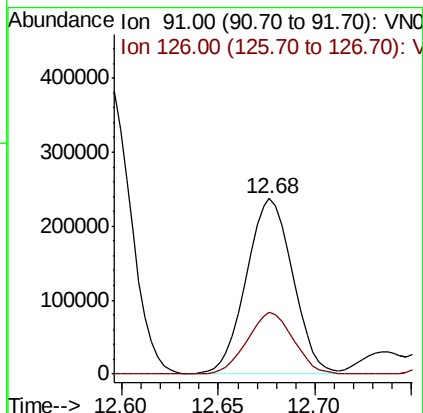
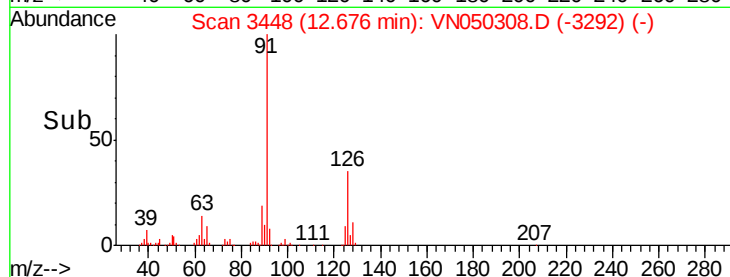
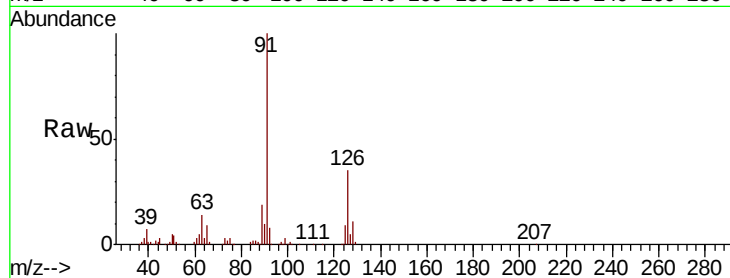
Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.6

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#76

1,3,5-Trimethylbenzene

Concen: 17.84 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050308.D

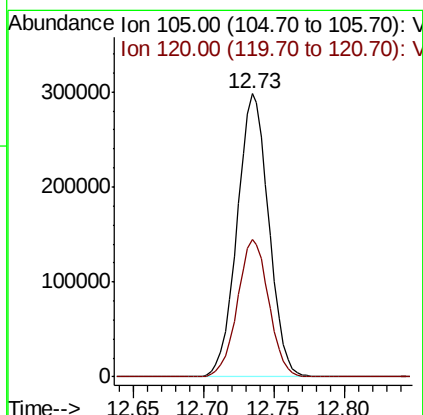
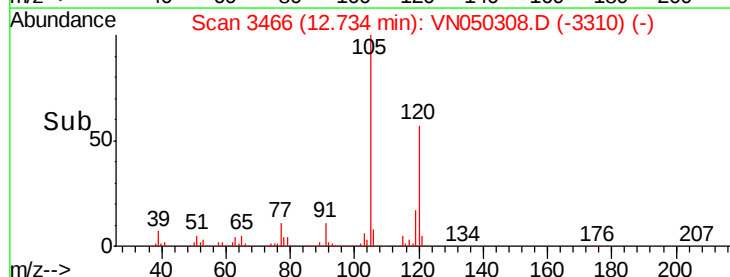
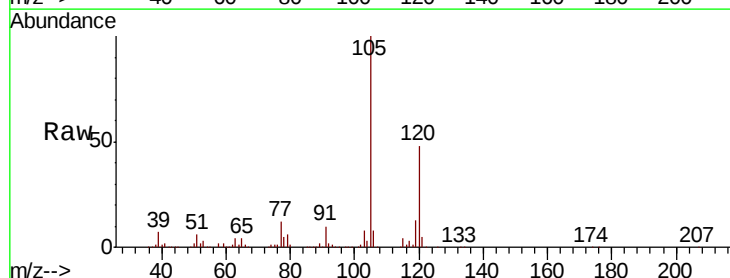
Acq: 3 Aug 2018 12:27

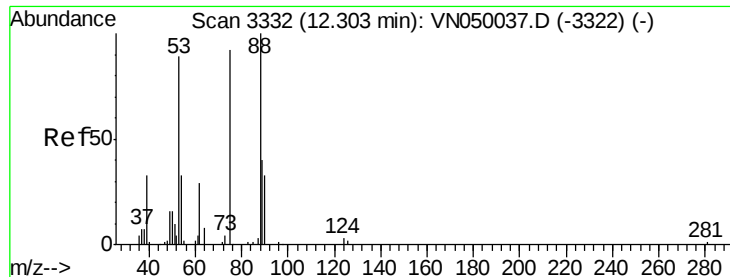
Tgt Ion: 105 Resp: 467414

Ion Ratio Lower Upper

105 100

120 48.1 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 16.54 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBSD01

Tot Ion: 75 Resp: 40456

Ion Ratio Lower Upper

75 100

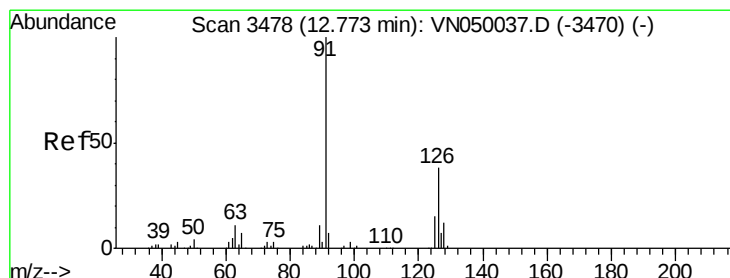
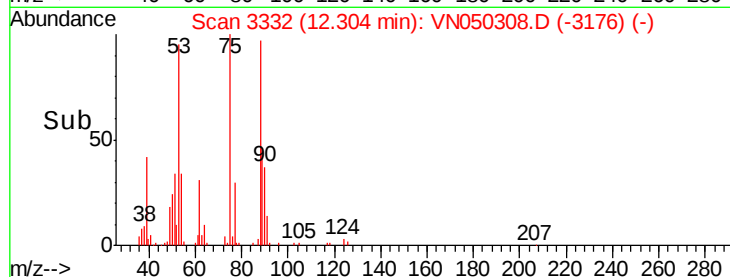
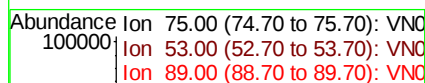
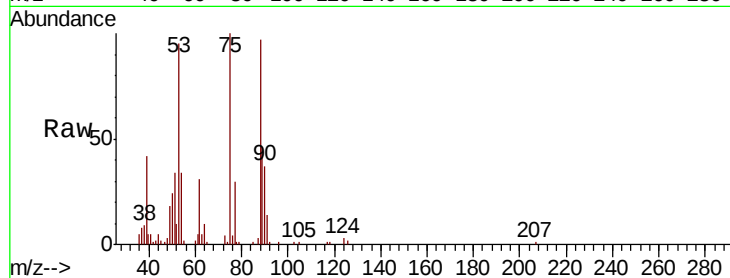
53 95.3 44.6 134.0

89 46.5 20.7 62.1

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#78

4-Chlorotoluene

Concen: 17.56 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050308.D

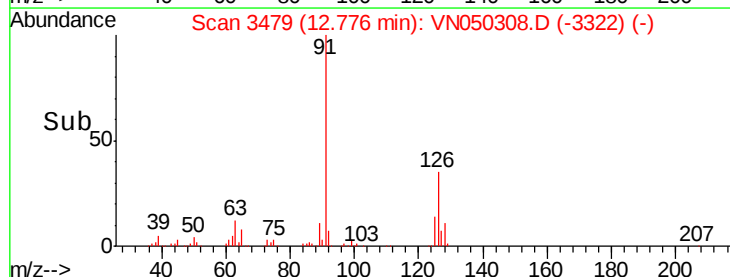
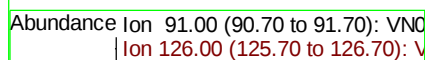
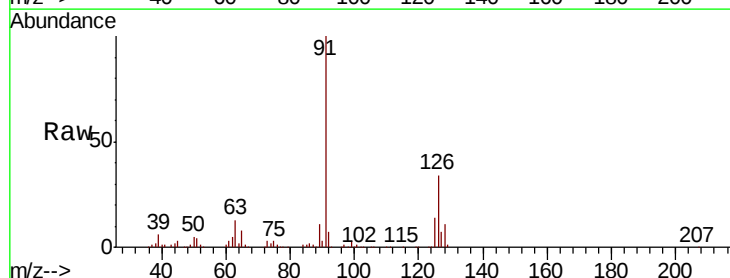
Acq: 3 Aug 2018 12:27

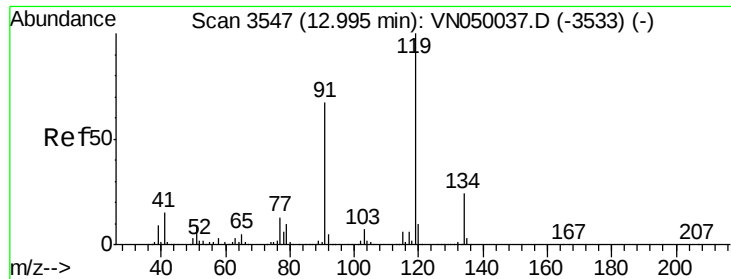
Tgt Ion: 91 Resp: 388300

Ion Ratio Lower Upper

91 100

126 33.9 0.0 68.4





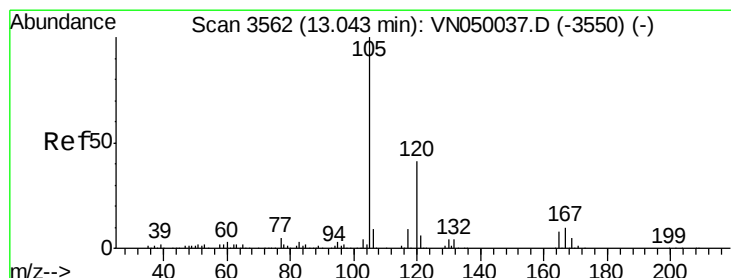
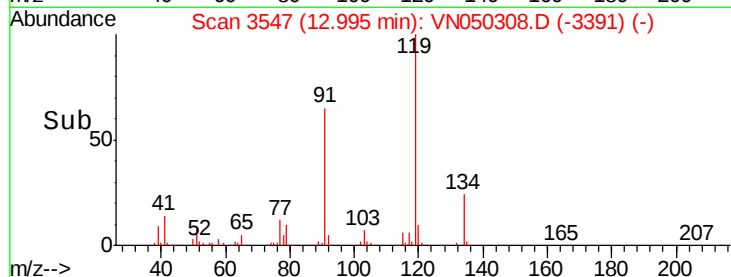
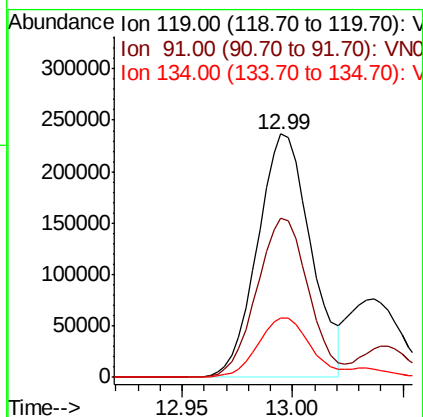
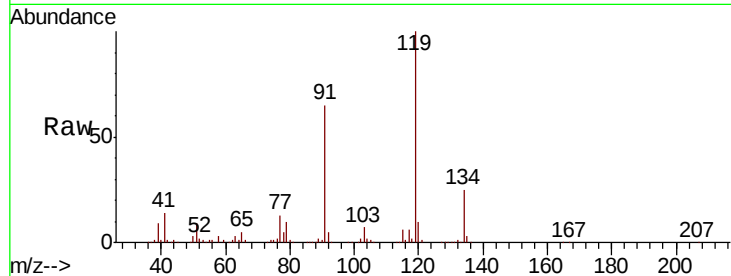
#79
tert-butylbenzene
Concen: 17.68 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	396028		
91	63.7	0.0	126.8	
134	24.2	0.0	47.4	

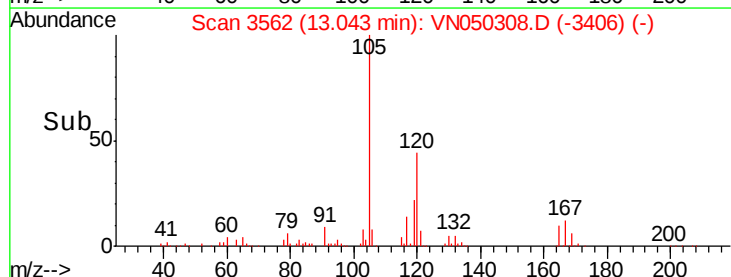
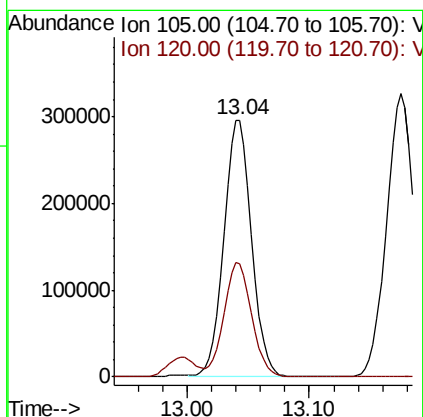
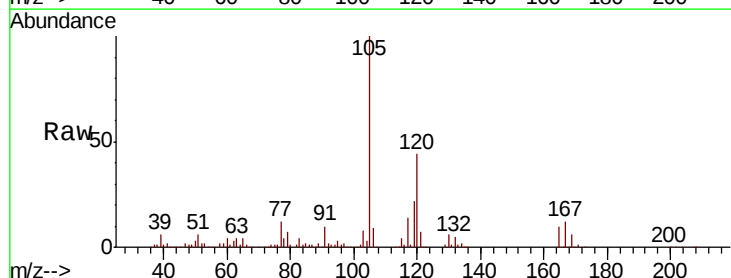
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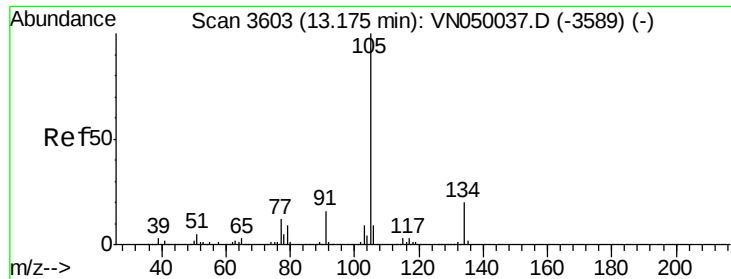
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#80
1,2,4-Trimethylbenzene
Concen: 17.74 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	471071		
120	44.6	0.0	90.6	





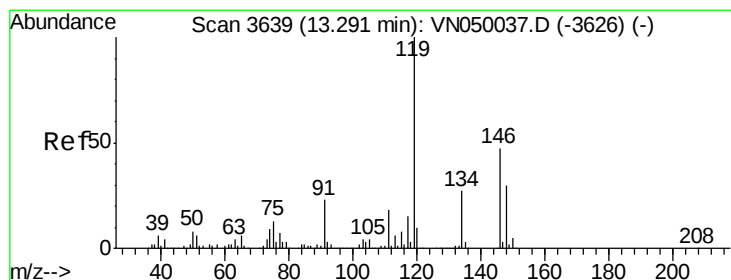
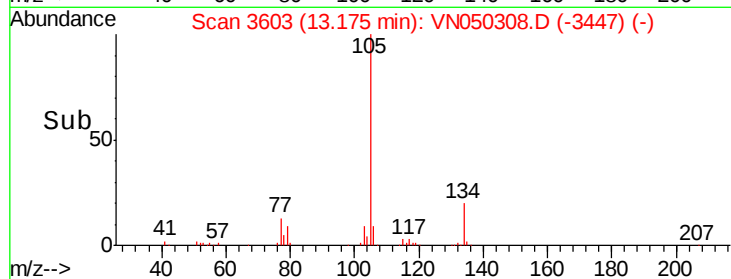
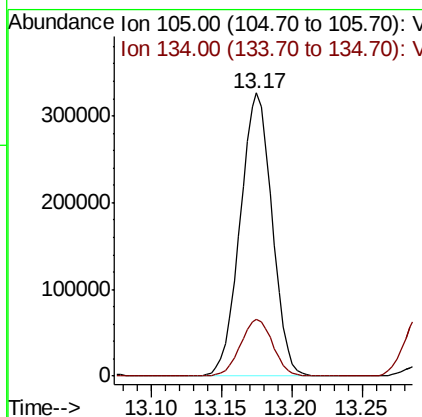
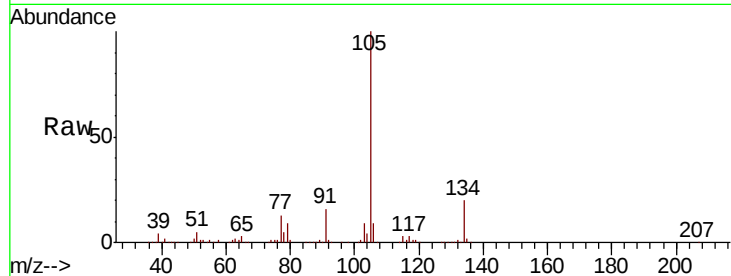
#81
 sec-Butylbenzene
 Concen: 17.06 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	519166		
134	20.1	0.0	40.6	

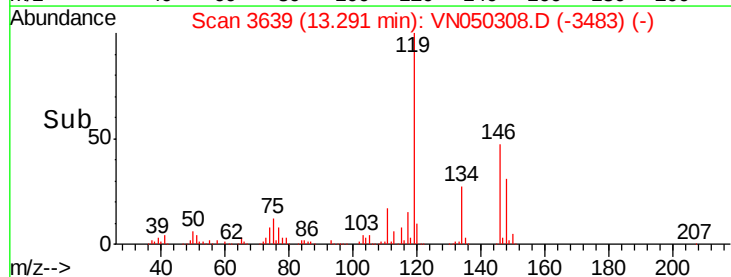
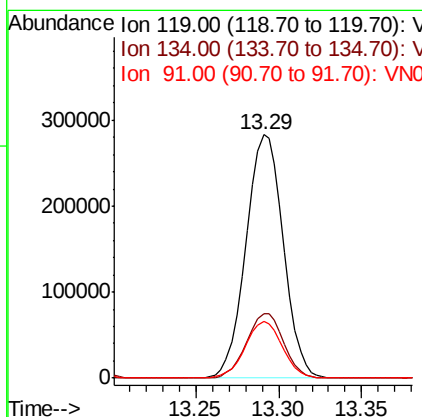
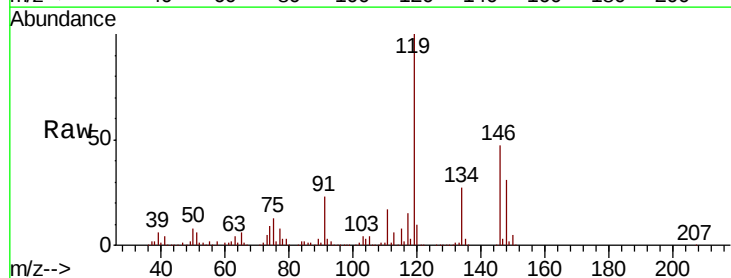
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#82
 p-Isopropyltoluene
 Concen: 17.08 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	443534		
134	26.5	0.0	52.2	
91	23.1	0.0	45.6	





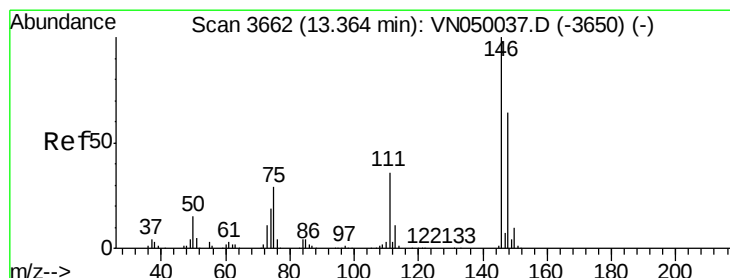
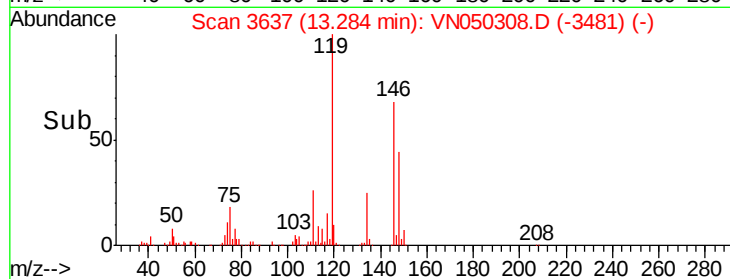
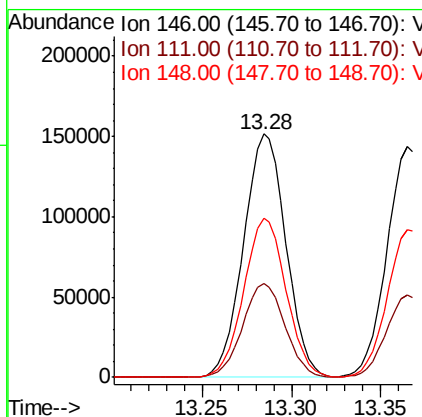
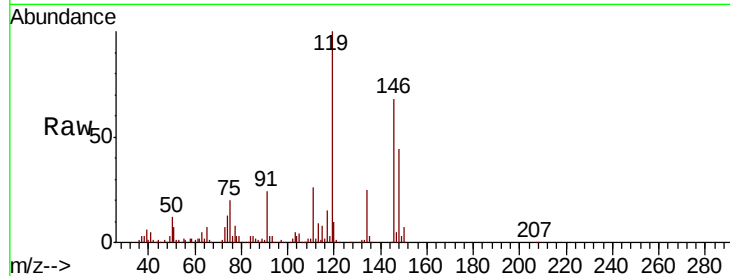
#83
 1,3-Dichlorobenzene
 Concen: 16.98 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	65.3	31.9	95.9

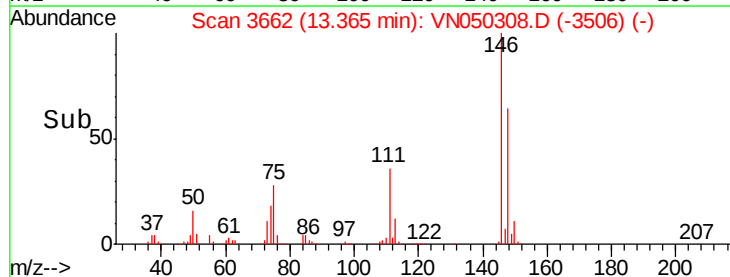
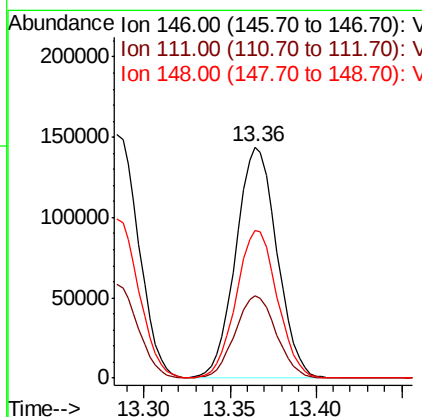
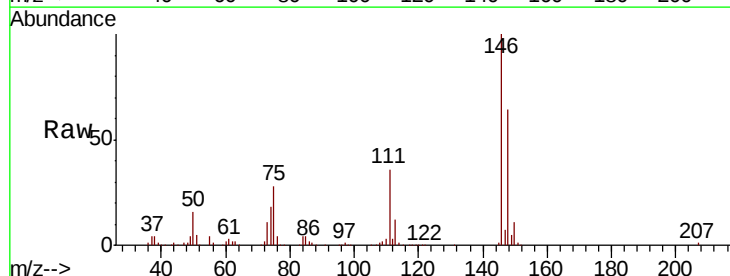
Manual Integrations
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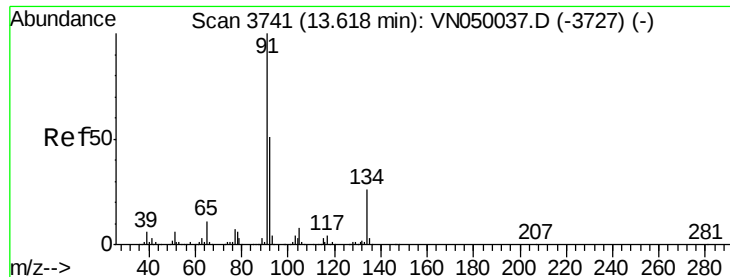
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#84
 1,4-Dichlorobenzene
 Concen: 17.00 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.9	53.8
148	64.0	32.4	97.0





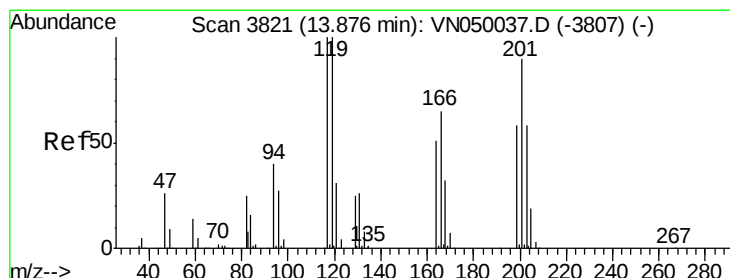
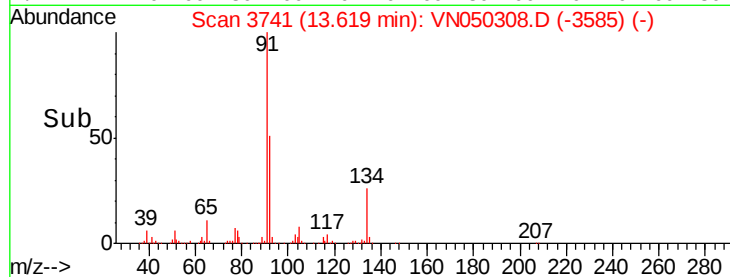
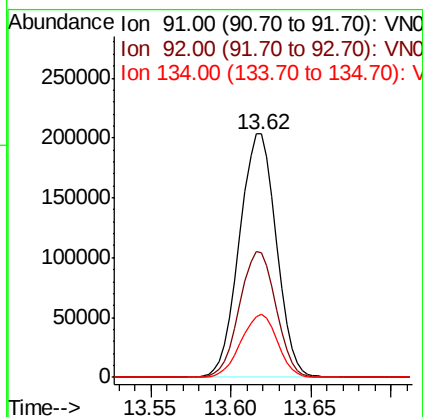
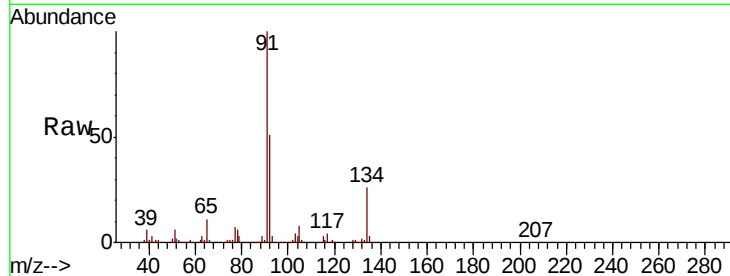
#85
n-Butylbenzene
Concen: 15.23 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.0	0.0	102.8	
134	25.4	0.0	51.0	

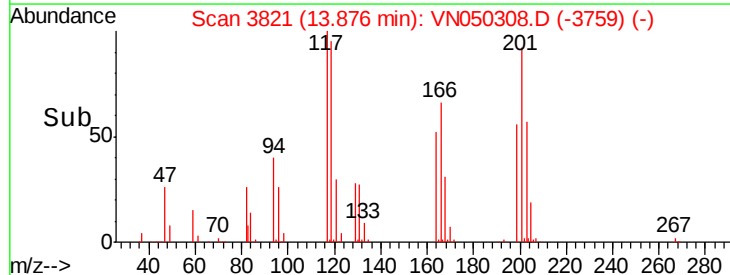
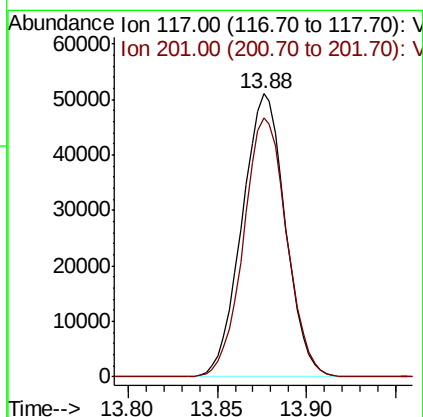
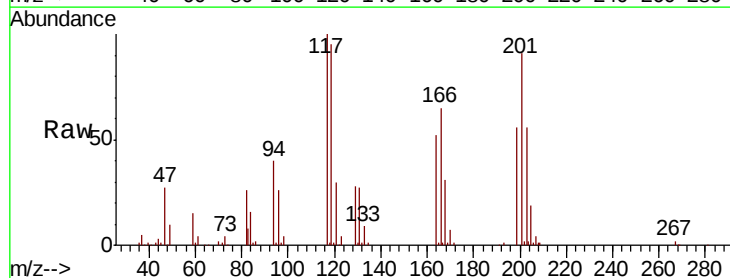
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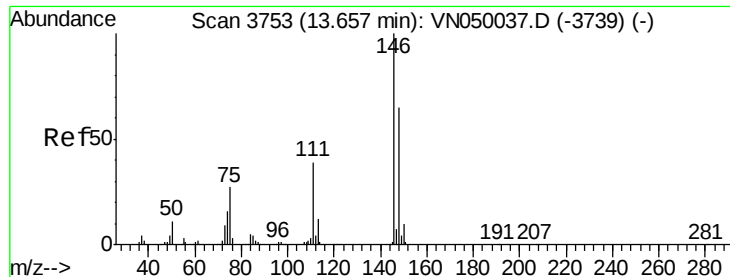
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#86
Hexachloroethane
Concen: 16.69 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050308.D
Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	91.0	46.6	139.7	





#87

1,2-Dichlorobenzene

Concen: 18.03 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

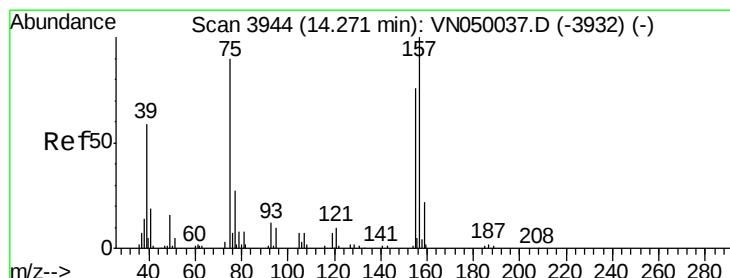
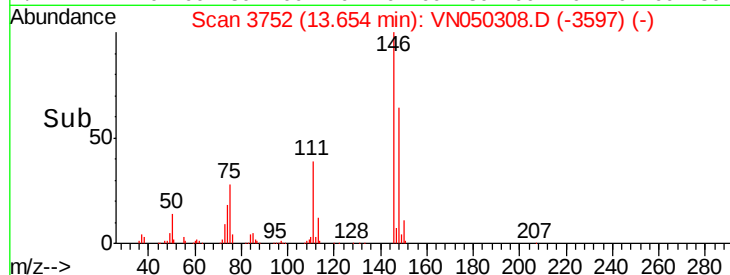
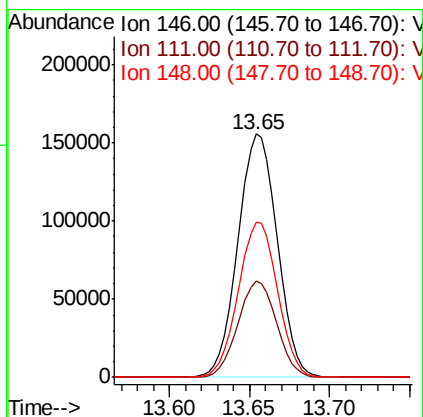
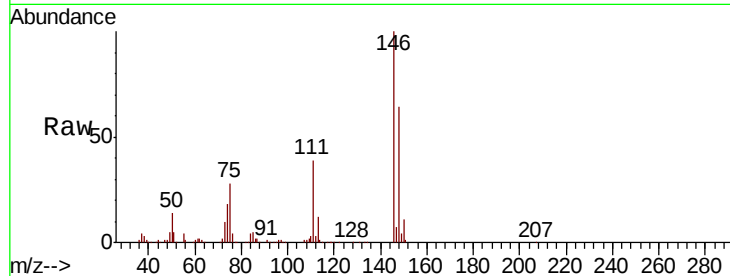
ClientSampled :

VN0803WBSD01

Tot Ion:	146	Resp:	260805
Ion Ratio		Lower	Upper
146	100		
111	39.1	19.8	59.3
148	63.8	31.8	95.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.04 ug/l

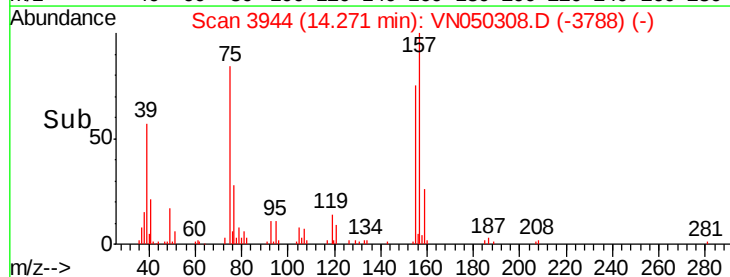
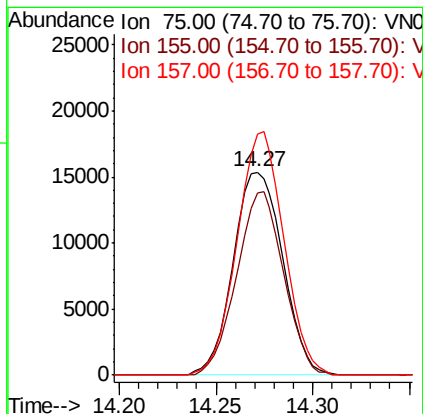
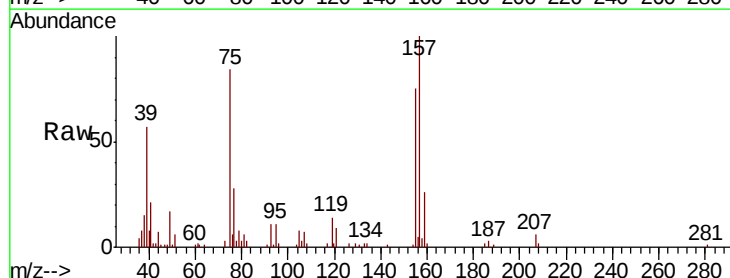
RT: 14.27 min Scan# 3944

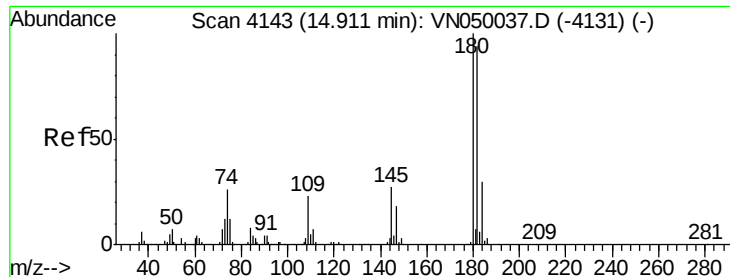
Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Tgt Ion:	75	Resp:	27352
Ion Ratio		Lower	Upper
75	100		
155	85.6	73.0	109.6
157	113.5	94.9	142.3





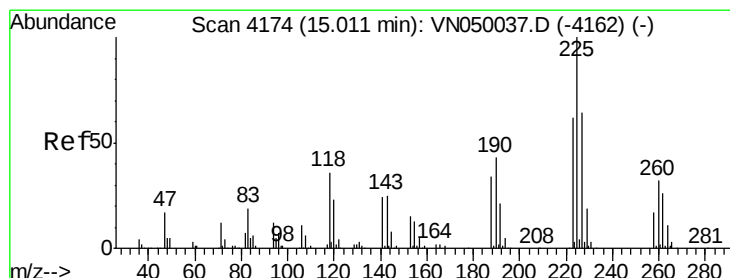
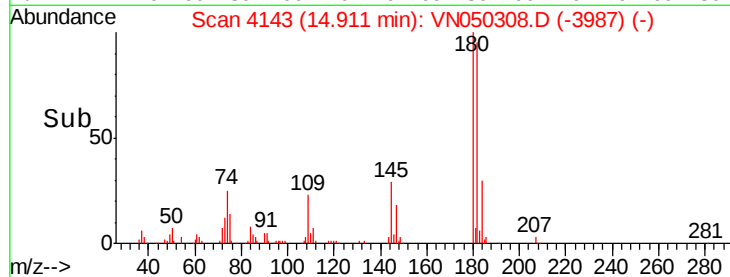
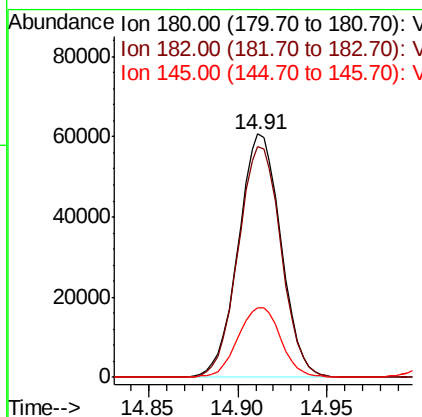
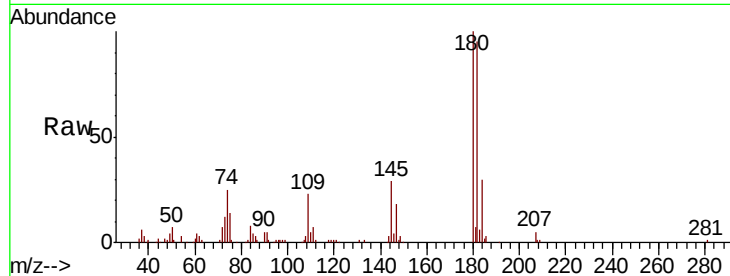
#89
 1,2,4-Trichlorobenzene
 Concen: 14.60 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	100885		
182	95.5	76.7	115.1	
145	28.9	23.4	35.0	

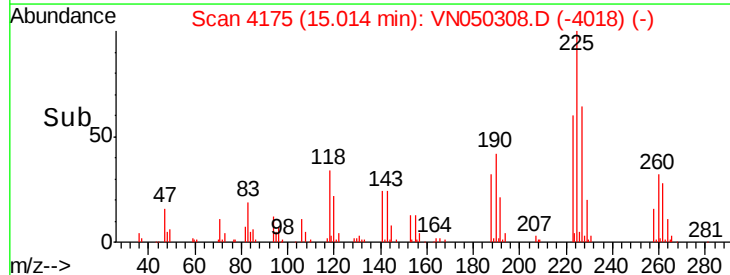
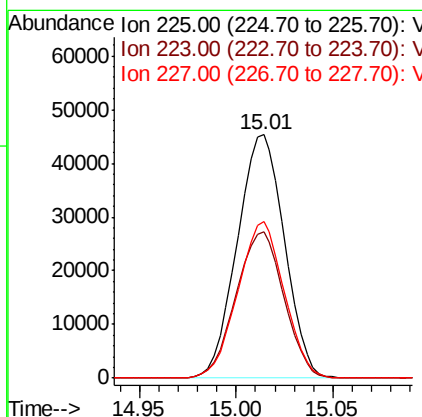
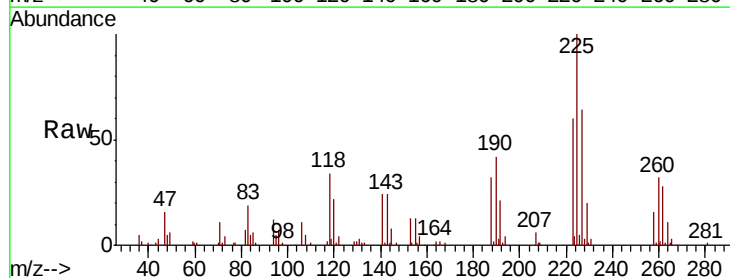
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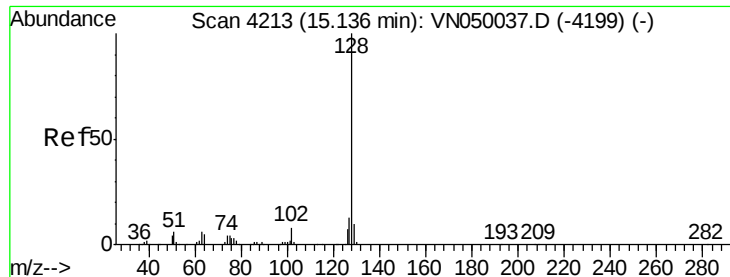
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#90
 Hexachlorobutadiene
 Concen: 16.90 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050308.D
 Acq: 3 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76968		
223	60.9	0.0	124.4	
227	63.3	0.0	133.0	





#91

Naphthalene

Concen: 17.85 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Instrument :

MSVOA_N

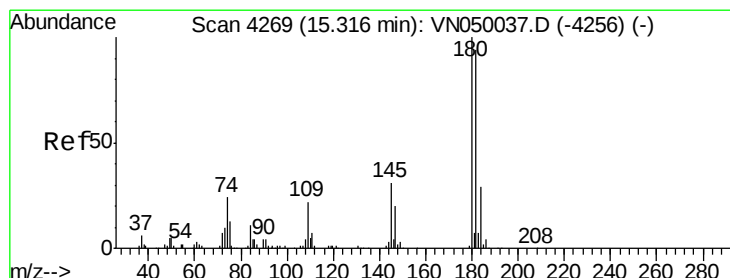
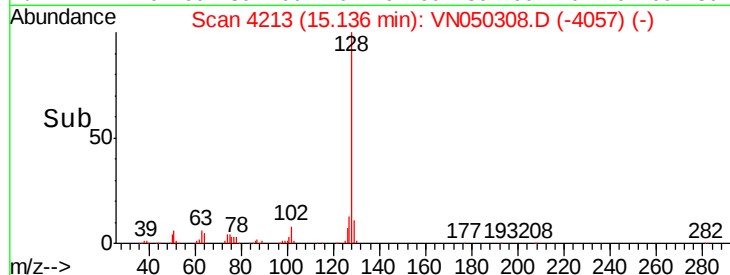
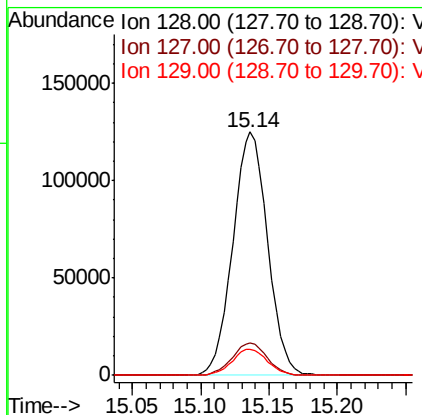
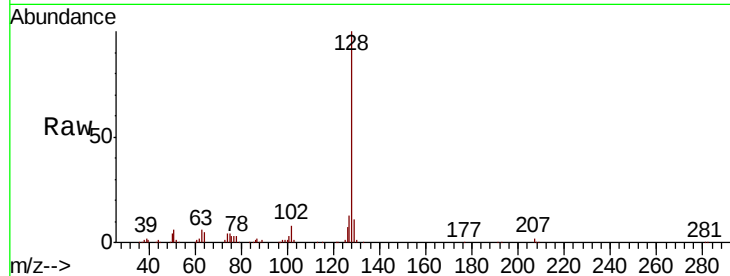
ClientSampleId :

VN0803WBSD01

Tot Ion:	128	Resp:	221060
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.4
129	10.8	9.0	13.4

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#92

1,2,3-Trichlorobenzene

Concen: 15.96 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050308.D

Acq: 3 Aug 2018 12:27

Tgt Ion:	180	Resp:	112148
Ion Ratio	Lower	Upper	
180	100		
182	95.3	0.0	188.8
145	30.3	0.0	60.8

