

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050636.D
 Acq On : 15 Aug 2018 5:59
 Operator : MD\SY
 Sample : J4465-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:45 PM

Quant Time: Aug 15 14:47:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	633893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	932330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	861443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	445835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	400665	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	375233	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1416194	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	463354	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314806	44.05	ug/l	98
3) Chloromethane	2.06	50	429393	49.30	ug/l	100
4) Vinyl Chloride	2.18	62	442358	46.60	ug/l	100
5) Bromomethane	2.56	94	251492	49.26	ug/l	98
6) Chloroethane	2.70	64	268383	50.90	ug/l	100
7) Trichlorofluoromethane	3.01	101	563492	45.24	ug/l	100
8) Diethyl Ether	3.41	74	200594	48.41	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	334512	44.41	ug/l	100
10) Methyl Iodide	3.95	142	250633	47.25	ug/l	100
11) Tert butyl alcohol	4.79	59	107435	246.25	ug/l	100
12) 1,1-Dichloroethene	3.74	96	325048	47.26	ug/l	99
13) Acrolein	3.61	56	36908	220.87	ug/l	100
14) Allyl chloride	4.33	41	504061	47.11	ug/l	99
15) Acrylonitrile	4.99	53	583670	243.58	ug/l	99
16) Acetone	3.82	43	507885	254.60	ug/l	100
17) Carbon Disulfide	4.05	76	997235	46.07	ug/l	100
18) Methyl Acetate	4.33	43	248322	44.13	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	888315	50.75	ug/l	100
20) Methylene Chloride	4.55	84	389475	51.32	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	360829	48.39	ug/l	98
22) Diisopropyl ether	5.95	45	1124442	51.26	ug/l	98
23) Vinyl Acetate	5.90	43	3299326	229.93	ug/l	99
24) 1,1-Dichloroethane	5.85	63	666921	46.99	ug/l	100
25) 2-Butanone	6.84	43	801848	244.76	ug/l	100
26) 2,2-Dichloropropane	6.83	77	379741	39.97	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	404891	48.76	ug/l	98
28) Bromochloromethane	7.20	49	324226	50.19	ug/l	100
29) Tetrahydrofuran	7.22	42	433191	253.24	ug/l	99
30) Chloroform	7.37	83	673614	46.83	ug/l	99
31) Cyclohexane	7.65	56	573607	47.34	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	568530	46.96	ug/l	99
36) 1,1-Dichloropropene	7.80	75	512529	49.38	ug/l	100
37) Ethyl Acetate	6.93	43	273625	46.64	ug/l	99
38) Carbon Tetrachloride	7.78	117	511485	47.51	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	514519	47.88	ug/l	99
40) Benzene	8.04	78	1557337	49.32	ug/l	100
41) Methacrylonitrile	7.18	41	164274	51.80	ug/l	97
42) 1,2-Dichloroethane	8.13	62	469843	48.55	ug/l	100
43) Isopropyl Acetate	8.17	43	487275	45.58	ug/l	98
44) Trichloroethene	8.84	130	416676	49.27	ug/l	96
45) 1,2-Dichloropropane	9.12	63	410037	48.78	ug/l	100
46) Dibromomethane	9.21	93	241346	48.63	ug/l	96
47) Bromodichloromethane	9.40	83	513158	48.37	ug/l	100
48) Methyl methacrylate	9.20	41	261722	48.65	ug/l	99
49) 1,4-Dioxane	9.20	88	69244	977.05	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1822237	252.02	ug/l	100
52) Toluene	10.16	92	966065	51.25	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	485081	49.09	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	543845	47.98	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	339006	48.14	ug/l	98
56) Ethyl methacrylate	10.43	69	422126	47.10	ug/l	100
57) 1,3-Dichloropropane	10.71	76	579422	50.18	ug/l	100
59) 2-Hexanone	10.75	43	1201751	257.51	ug/l	100
60) Dibromochloromethane	10.90	129	390912	50.29	ug/l	99
61) 1,2-Dibromoethane	11.01	107	333156	49.67	ug/l	99
64) Tetrachloroethene	10.63	164	766062	95.76	ug/l	99
65) Chlorobenzene	11.43	112	1040237	48.52	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	389615	48.48	ug/l	100
67) Ethyl Benzene	11.51	91	1779937	51.42	ug/l	99
68) m/p-Xylenes	11.62	106	1367535	103.29	ug/l	99
69) o-Xylene	11.95	106	658280	52.14	ug/l	100
70) Styrene	11.96	104	1078236	48.06	ug/l	100
71) Bromoform	12.13	173	261888	49.14	ug/l #	100
73) Isopropylbenzene	12.25	105	1729011	49.64	ug/l	100
74) N-amyl acetate	12.07	43	394620	43.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	416360	51.56	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	314639m	43.55	ug/l	
77) Bromobenzene	12.53	156	443571	46.90	ug/l	99
78) n-propylbenzene	12.59	91	1946902	50.12	ug/l	99
79) 2-Chlorotoluene	12.67	91	1165977	48.15	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1414826	50.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	89288	44.52	ug/l	99
82) 4-Chlorotoluene	12.77	91	1181089	49.35	ug/l	100
83) tert-Butylbenzene	12.99	119	1190003	49.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1431381	51.13	ug/l	100
85) sec-Butylbenzene	13.17	105	1570848	49.65	ug/l	100
86) p-Isopropyltoluene	13.29	119	1372015	51.18	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	766405	47.60	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	737636	46.16	ug/l	100
89) n-Butylbenzene	13.62	91	1065138	49.20	ug/l	99
90) Hexachloroethane	13.88	117	245654	45.57	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	744365	47.39	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58362	46.96	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	361254	45.09	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	210426	43.70	ug/l	99
95) Naphthalene	15.13	128	743744	43.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	346476	46.17	ug/l	99

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

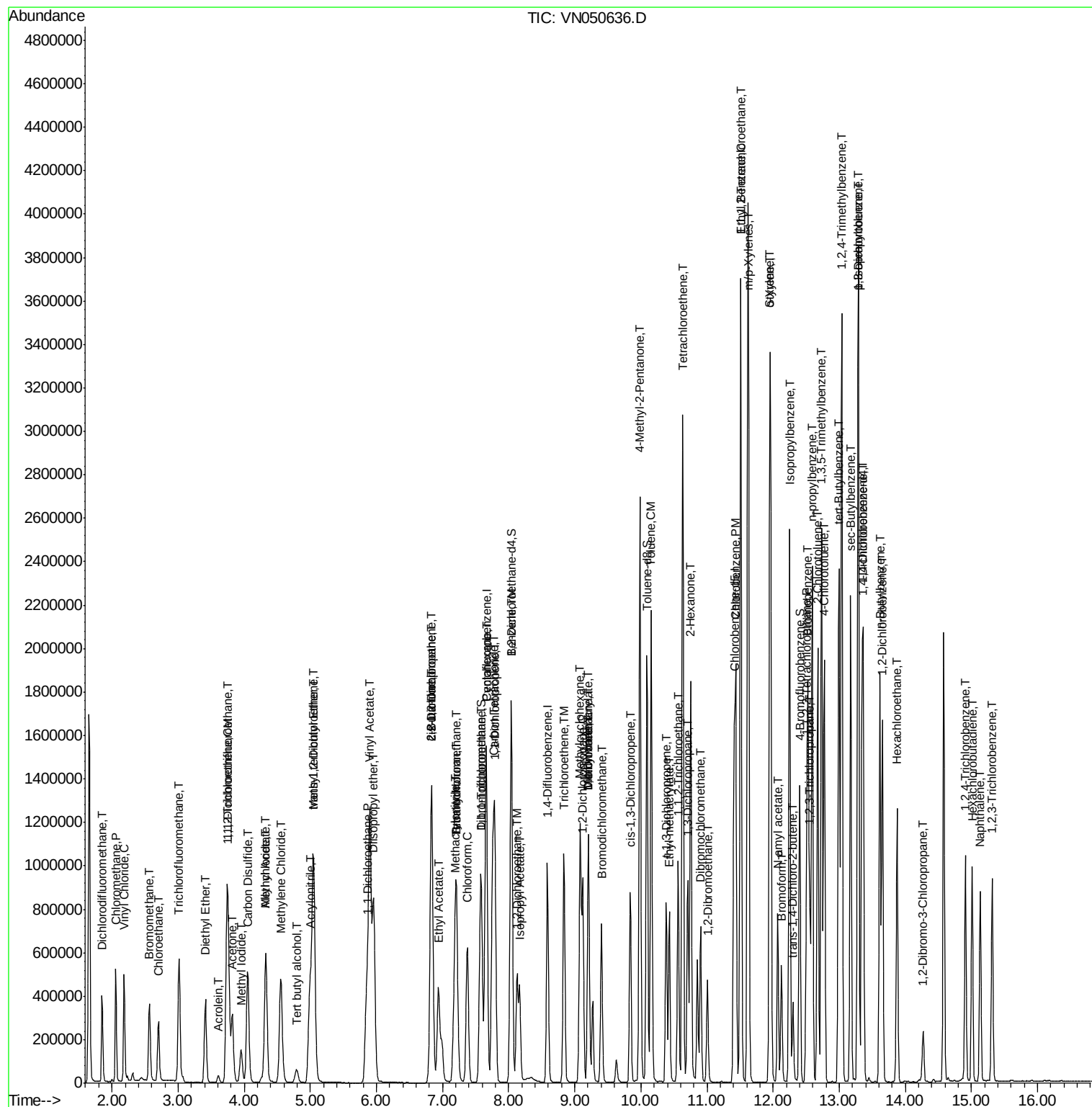
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081418\
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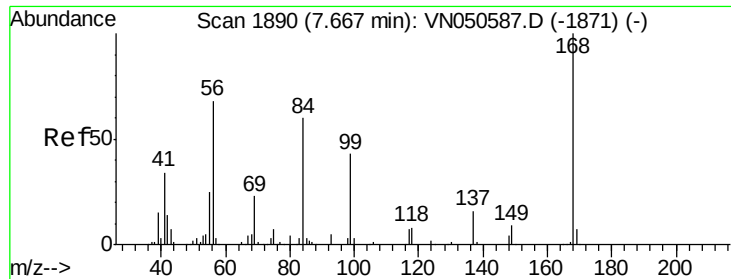
Instrument :
 MSVOA_N
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 944-MW-05(17)MS

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion:168 Resp: 633893

Ion Ratio Lower Upper

168 100

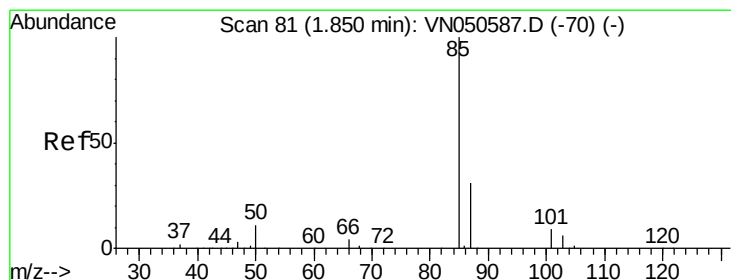
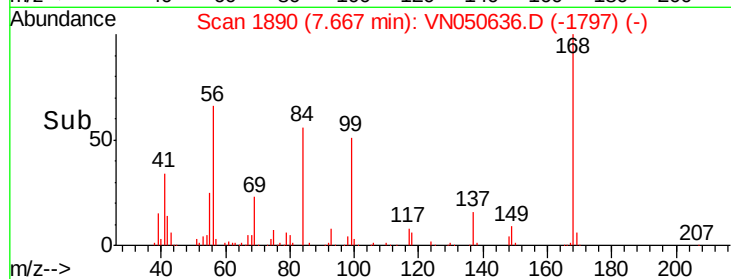
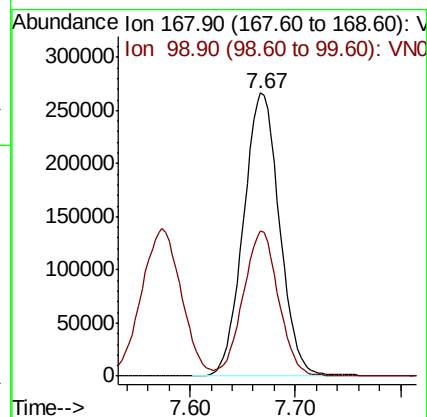
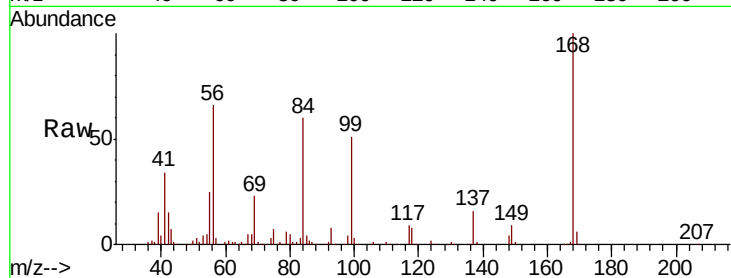
99 51.1 40.8 61.2

Manual Integrations

APPROVED

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8/15/2018 3:32:45 PM



#2

Dichlorodifluoromethane

Concen: 44.05 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050636.D

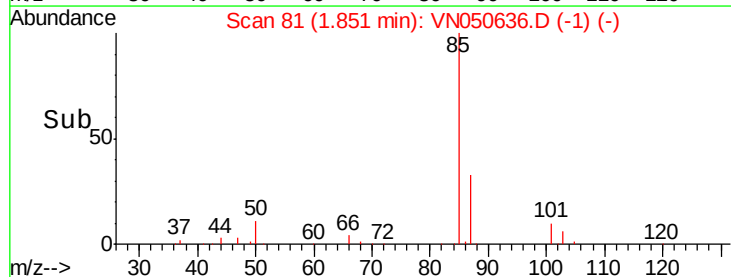
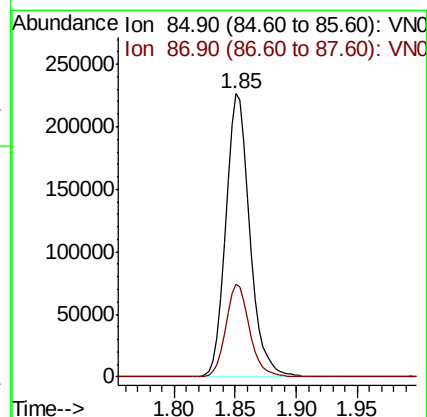
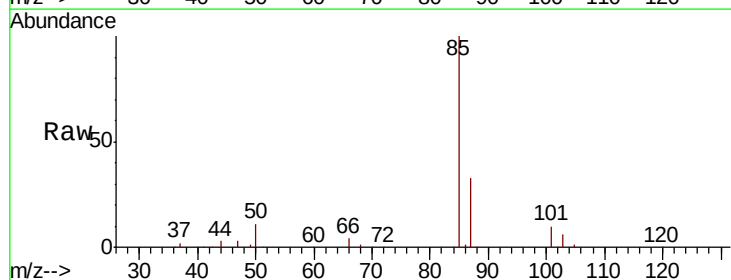
Acq: 15 Aug 2018 5:59

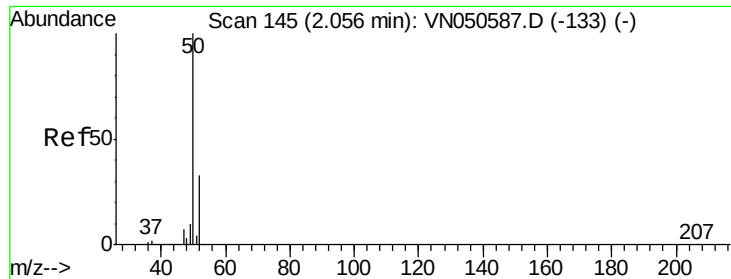
Tgt Ion: 85 Resp: 314806

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.3





#3

Chloromethane

Concen: 49.30 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion: 50 Resp: 429393

Ion Ratio Lower Upper

50 100

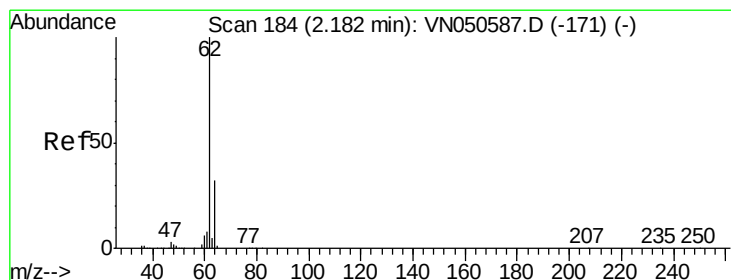
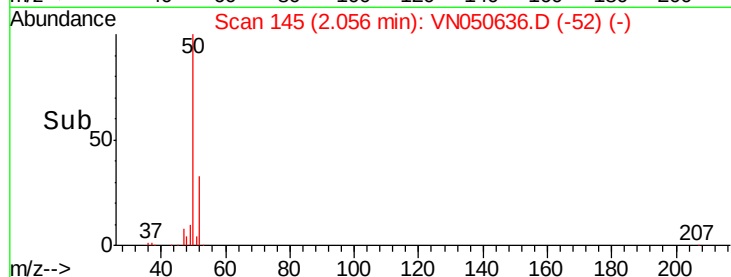
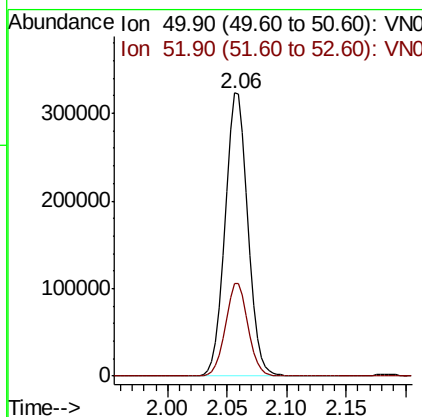
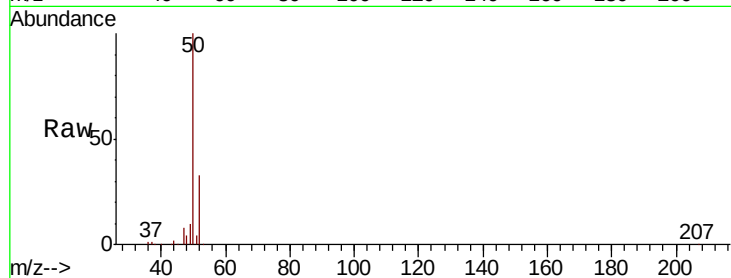
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.60 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050636.D

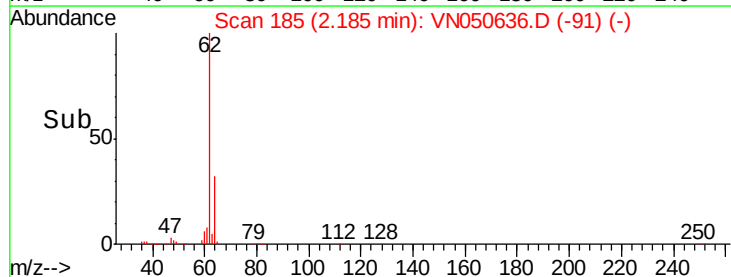
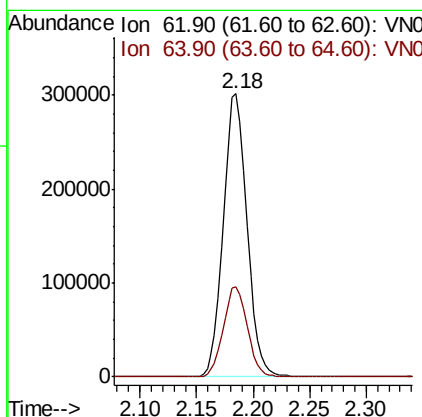
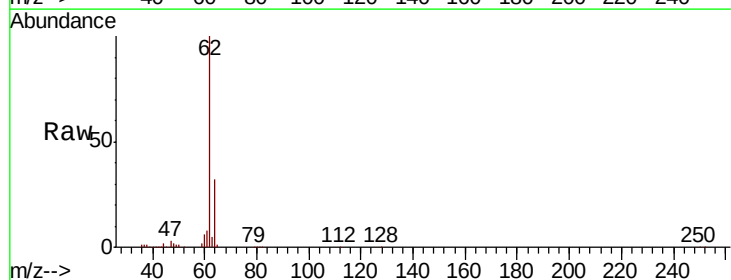
Acq: 15 Aug 2018 5:59

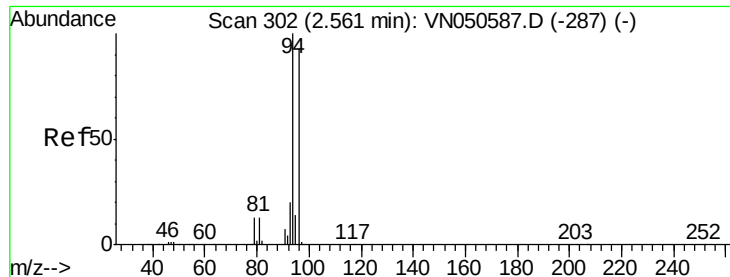
Tgt Ion: 62 Resp: 442358

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8





#5

Bromomethane

Concen: 49.26 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050636.D

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Tot Ion: 94 Resp: 251492

Ion Ratio Lower Upper

94 100

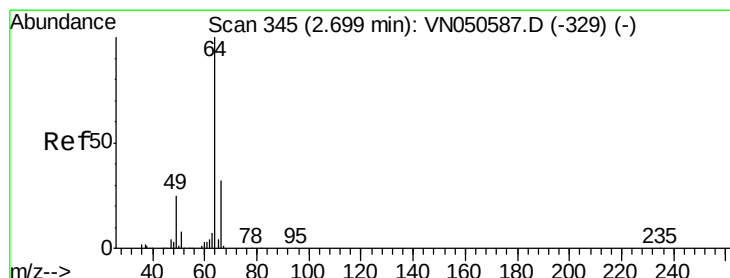
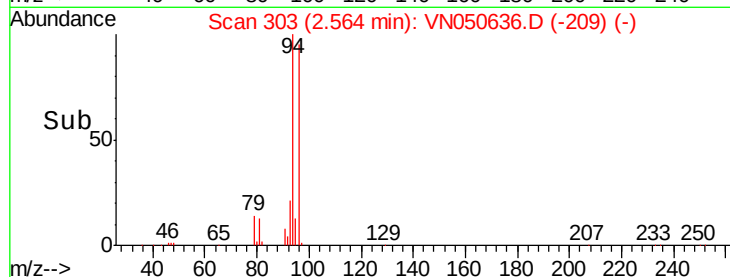
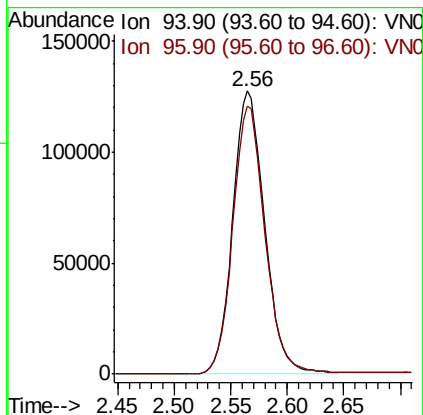
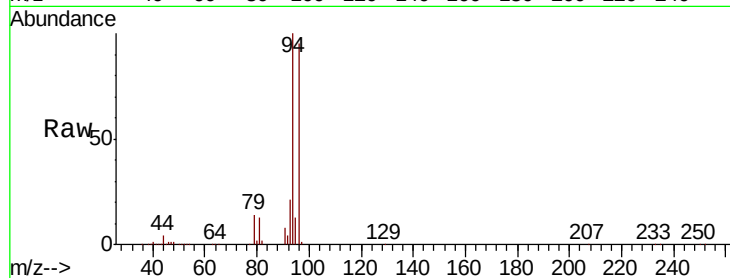
96 94.6 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 50.90 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050636.D

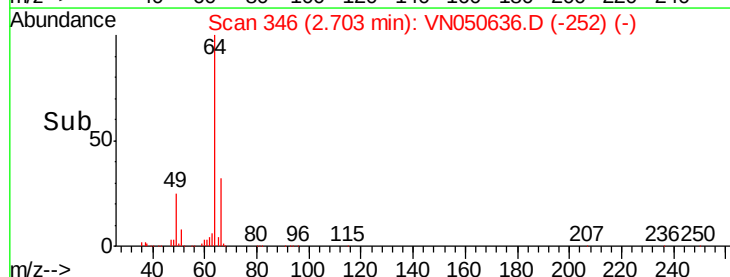
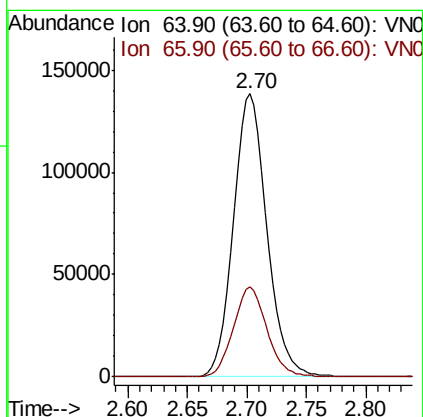
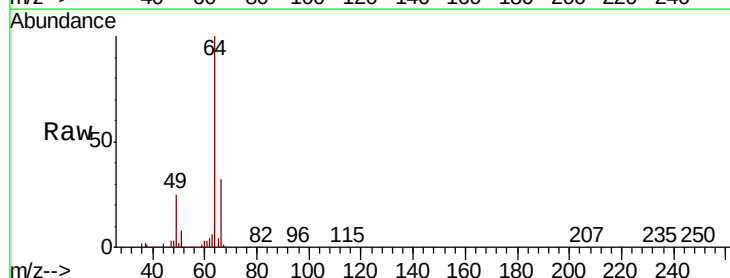
Acq: 15 Aug 2018 5:59

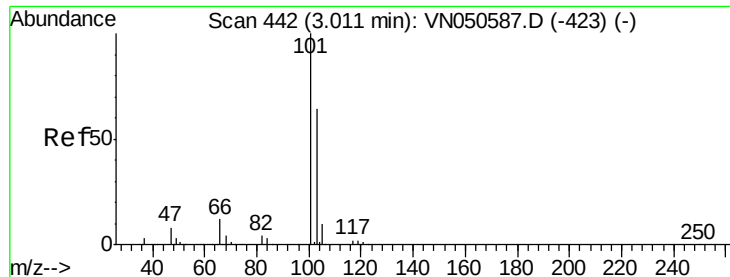
Tgt Ion: 64 Resp: 268383

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5





#7

Trichlorofluoromethane

Concen: 45.24 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050636.D

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Tot Ion:101 Resp: 563492

Ion Ratio Lower Upper

101 100

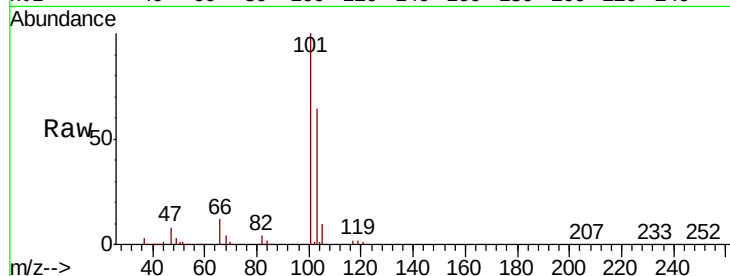
103 64.1 51.4 77.0

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

250000

200000

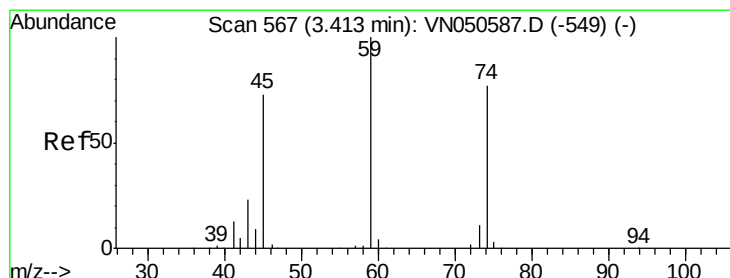
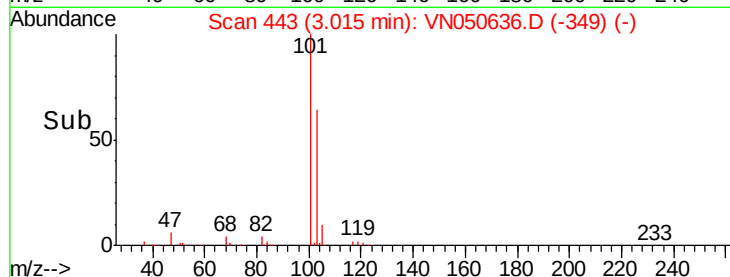
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 48.41 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050636.D

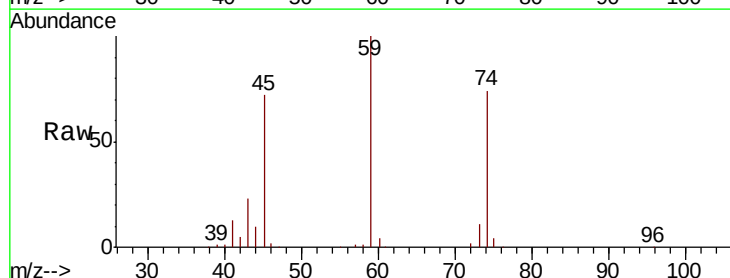
Acq: 15 Aug 2018 5:59

Tgt Ion: 74 Resp: 200594

Ion Ratio Lower Upper

74 100

45 95.1 48.0 144.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

100000

80000

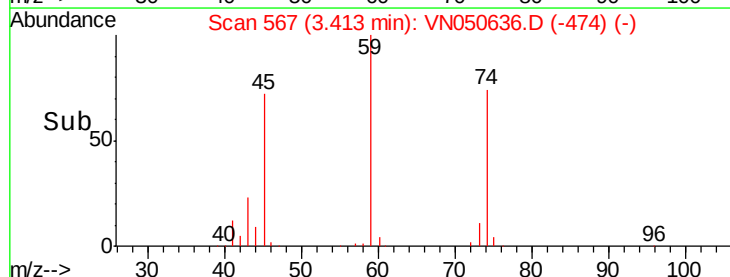
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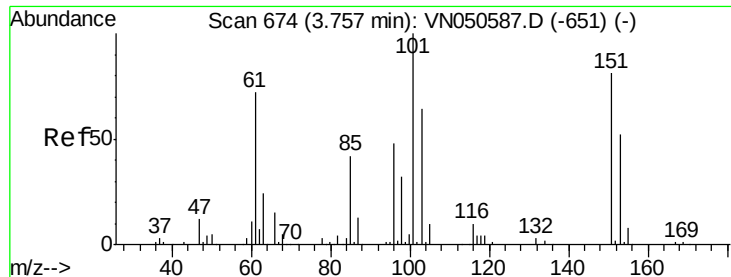
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20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.41 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050636.D

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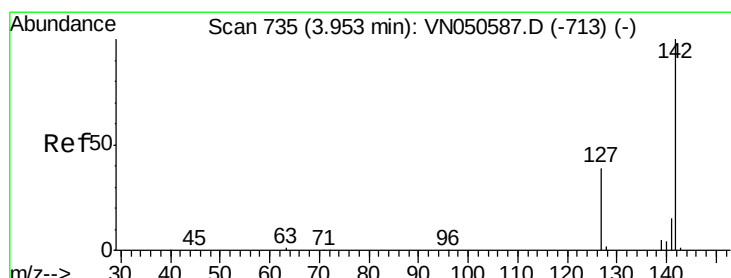
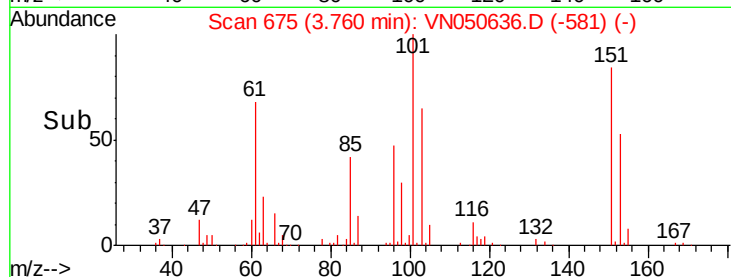
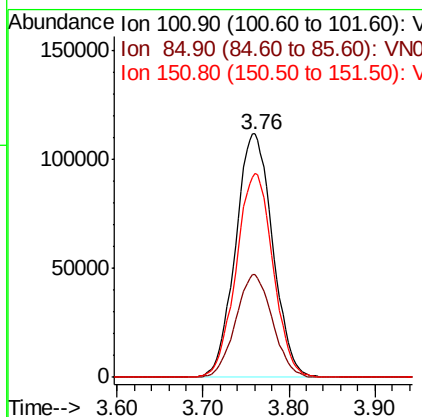
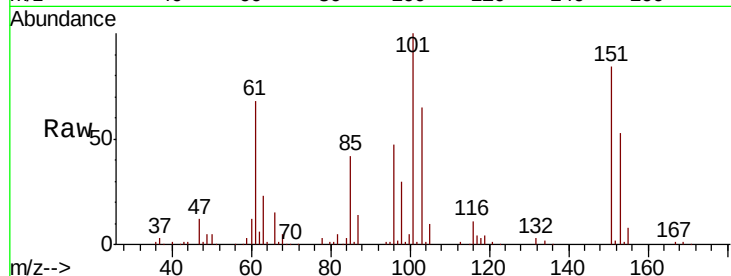
ClientSampleId :

944-MW-05(17)MS

Tot Ion:	101	Resp:	334512
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.0
151	83.0	66.6	100.0

Manual Integrations
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#10

Methyl Iodide

Concen: 47.25 ug/l

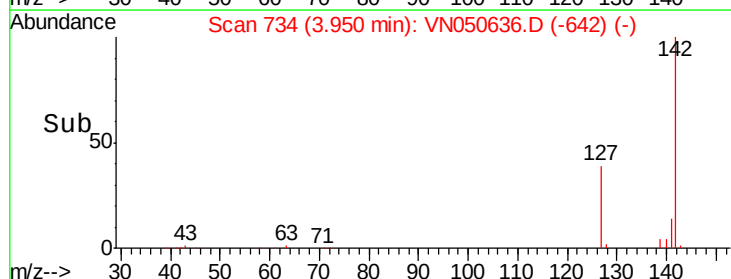
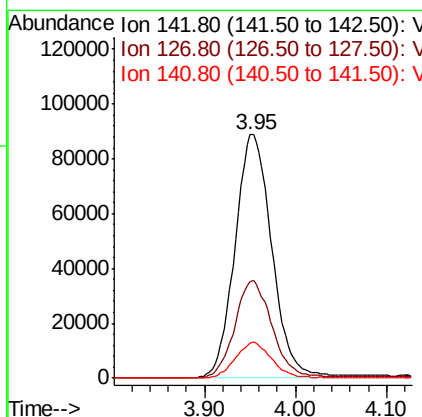
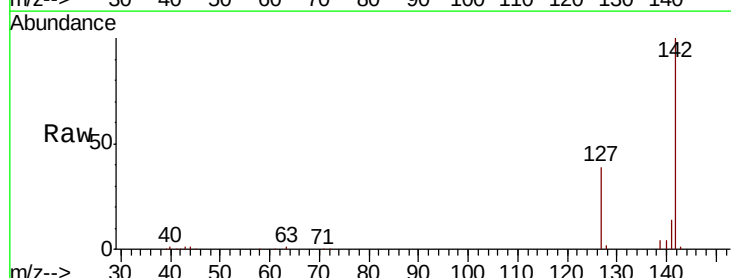
RT: 3.95 min Scan# 734

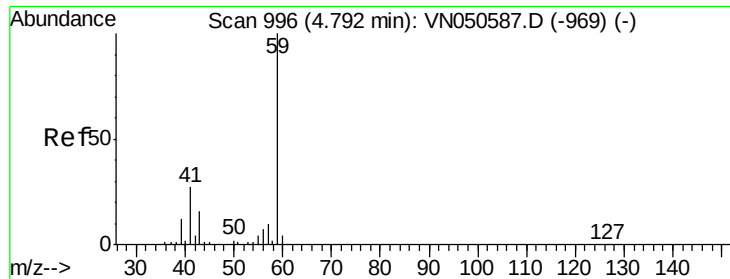
Delta R.T. -0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Tgt Ion:	142	Resp:	250633
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.6	49.0
141	14.4	11.5	17.3





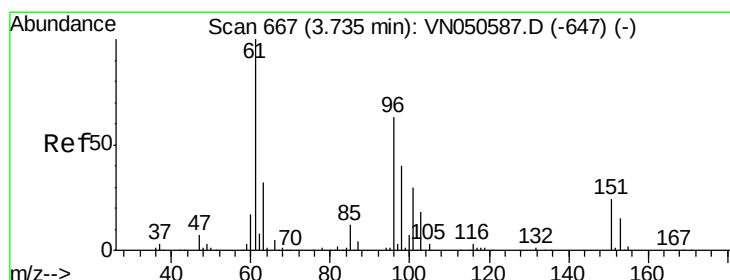
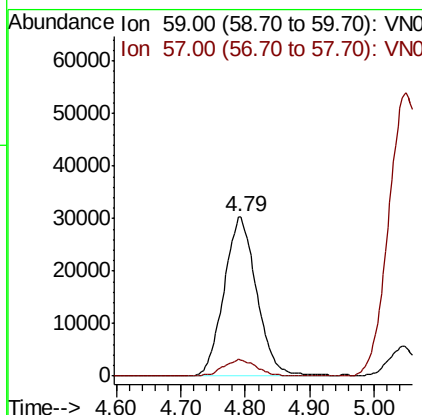
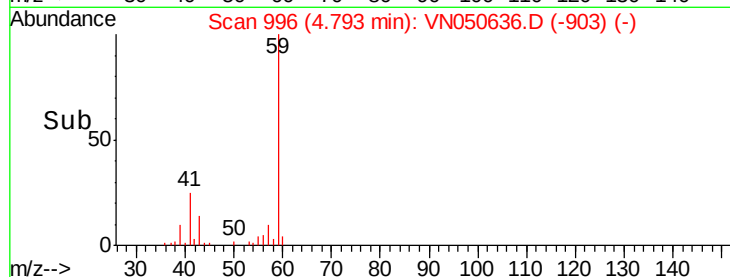
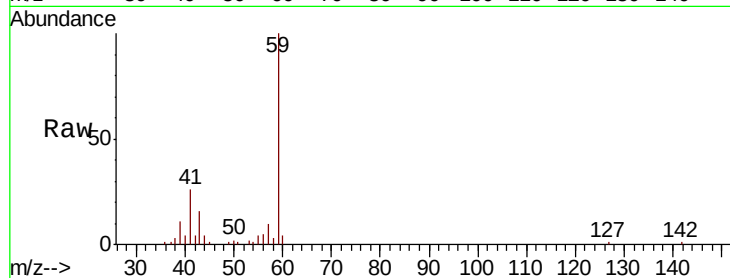
#11
Tert butyl alcohol
Concen: 246.25 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

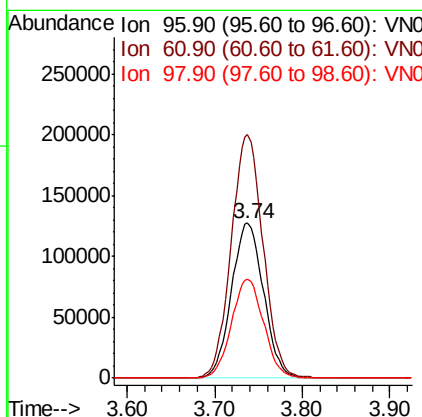
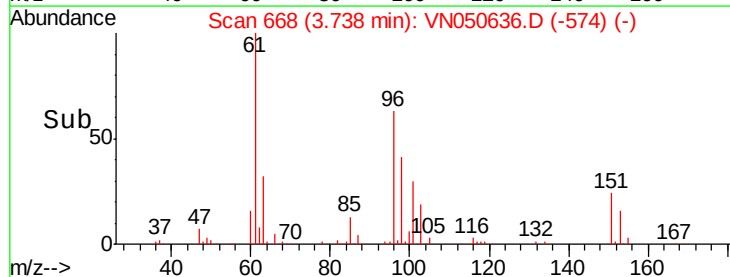
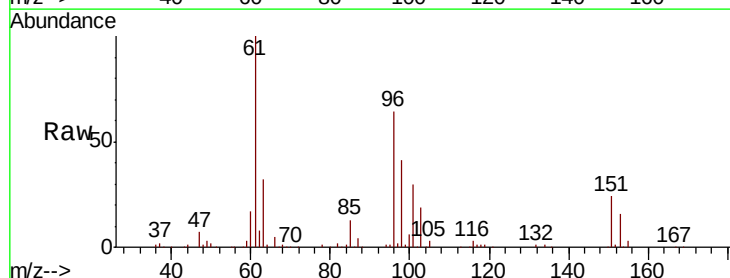
Manual Integrations
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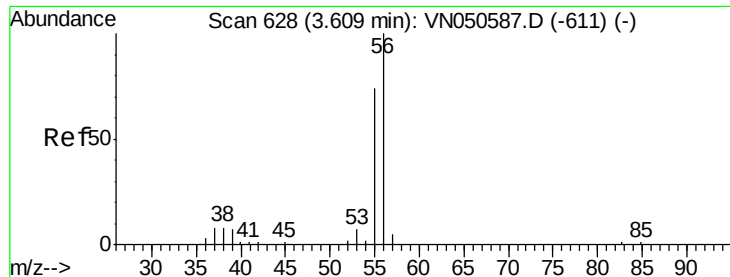
MMDadoda
8/15/2018 3:32:45 PM



#12
1,1-Dichloroethene
Concen: 47.26 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	126.9	190.3
98	64.2	51.1	76.7





#13

Acrolein

Concen: 220.87 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion: 56 Resp: 36908

Ion Ratio Lower Upper

56 100

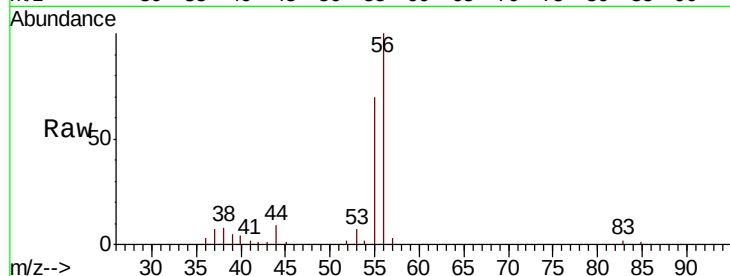
55 70.7 56.3 84.5

Manual Integrations

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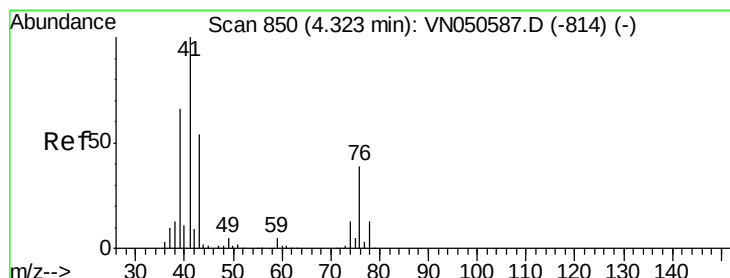
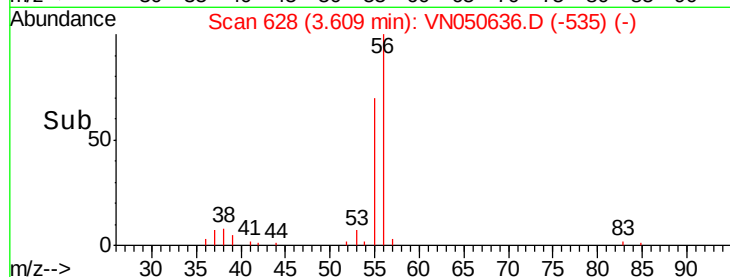
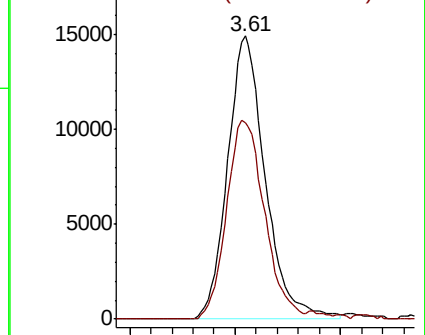
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.11 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

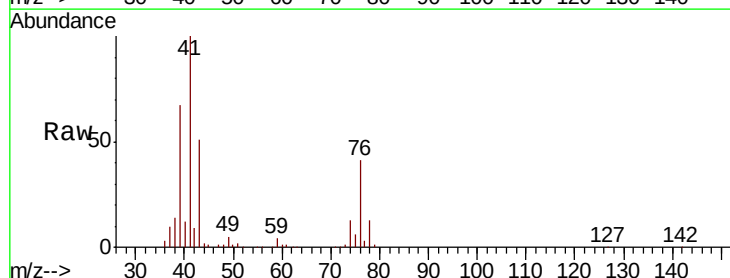
Tgt Ion: 41 Resp: 504061

Ion Ratio Lower Upper

41 100

39 63.5 51.4 77.0

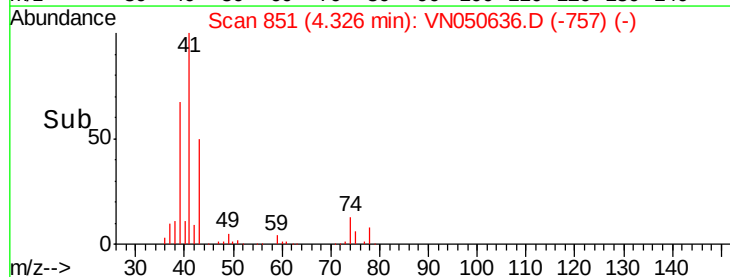
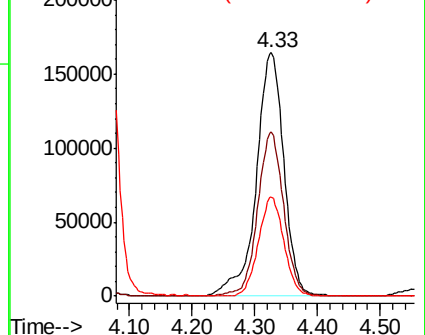
76 37.2 29.4 44.0

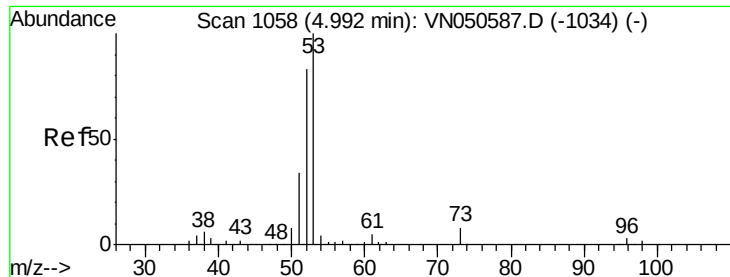


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 243.58 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

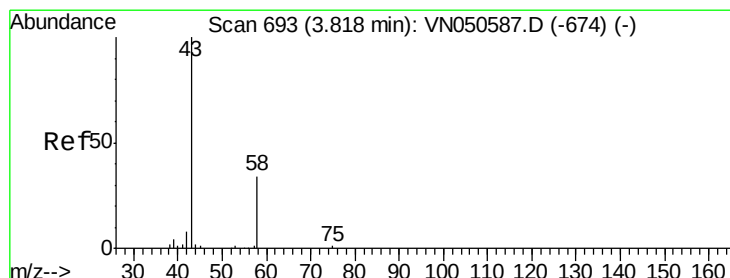
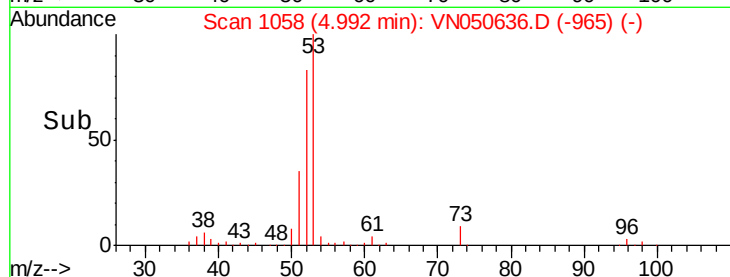
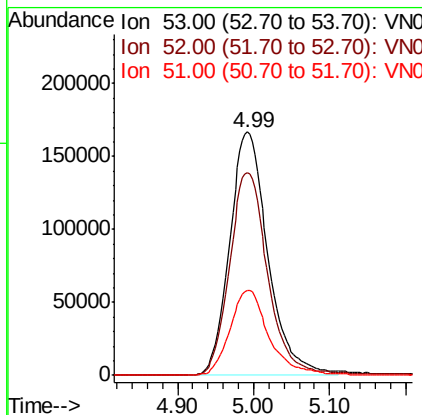
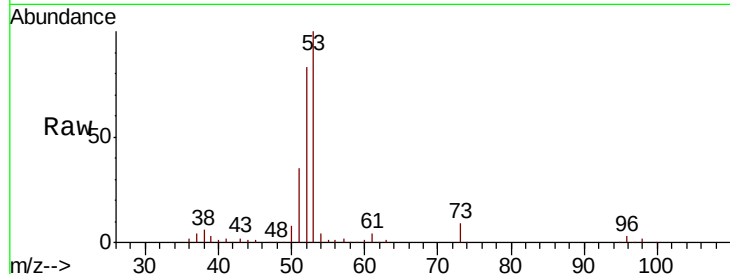
ClientSampleId :

944-MW-05(17)MS

Tot Ion:	53	Resp:	583670
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.2	99.2
51	35.9	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 254.60 ug/l

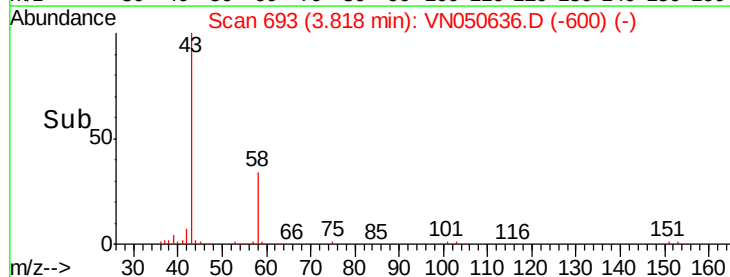
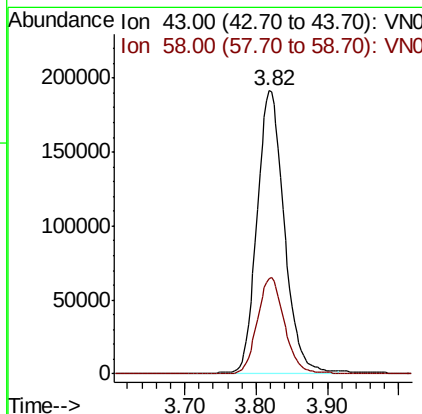
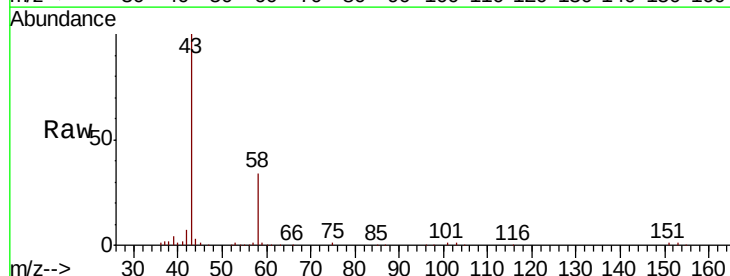
RT: 3.82 min Scan# 693

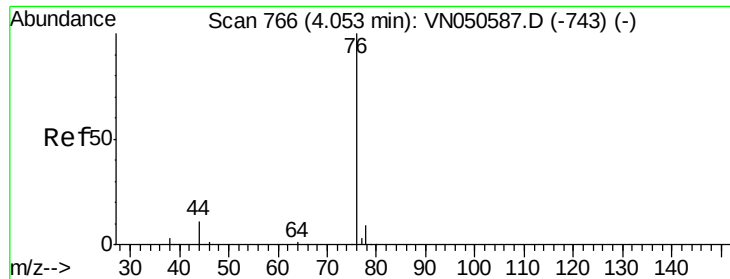
Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Tgt Ion:	43	Resp:	507885
Ion Ratio	Lower	Upper	
43	100		
58	33.7	27.1	40.7





#17

Carbon Disulfide

Concen: 46.07 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion: 76 Resp: 997235

Ion Ratio Lower Upper

76 100

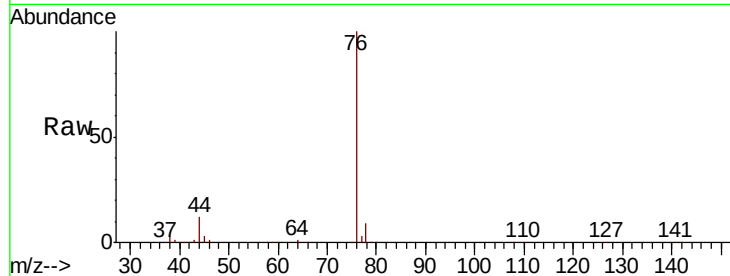
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

400000

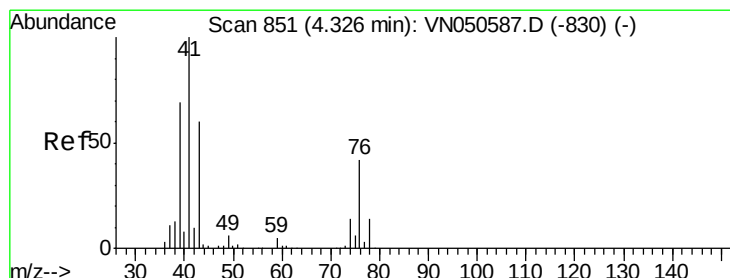
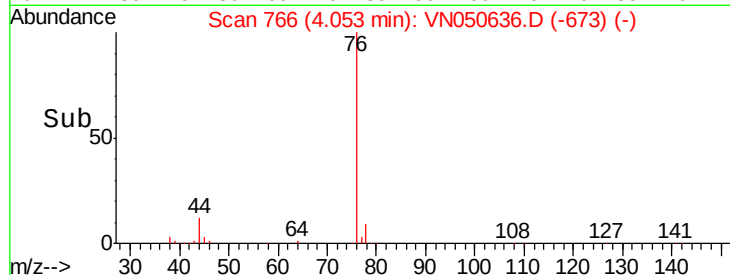
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 44.13 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050636.D

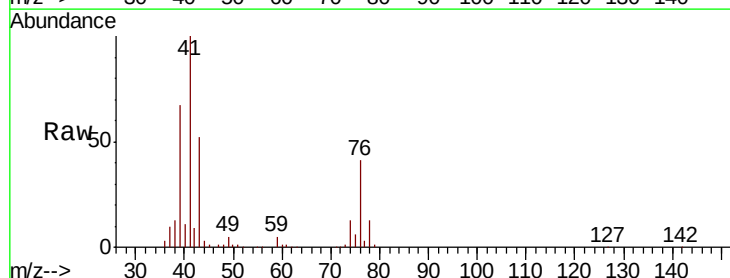
Acq: 15 Aug 2018 5:59

Tgt Ion: 43 Resp: 248322

Ion Ratio Lower Upper

43 100

74 25.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

100000

80000

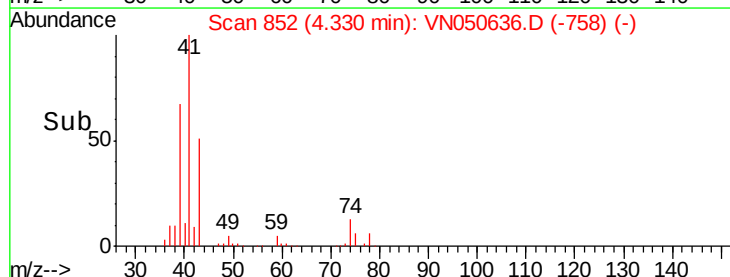
60000

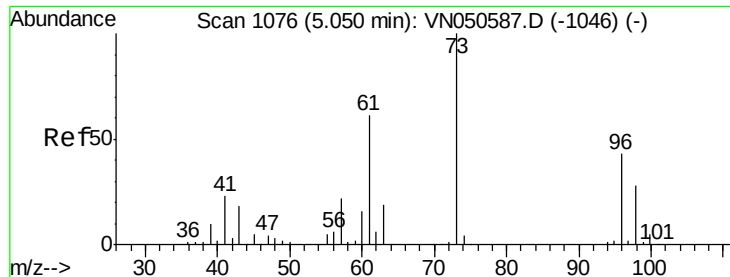
40000

20000

0

Time-->





#19

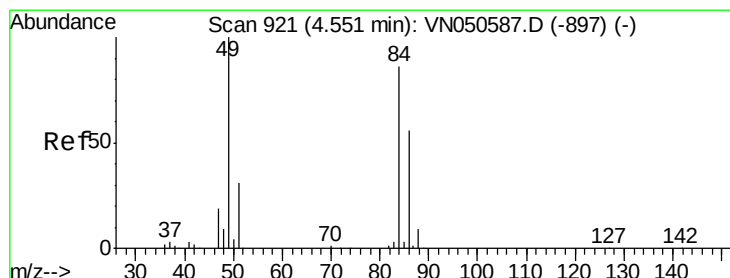
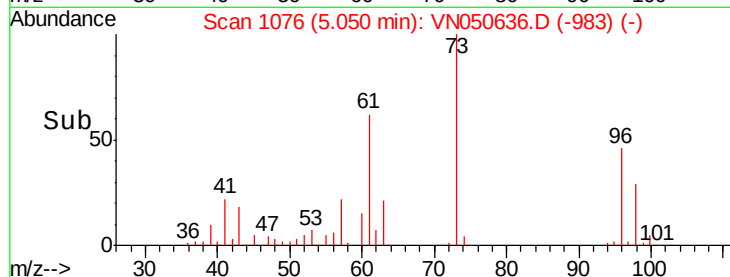
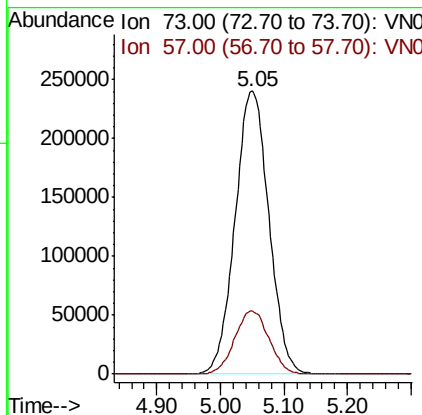
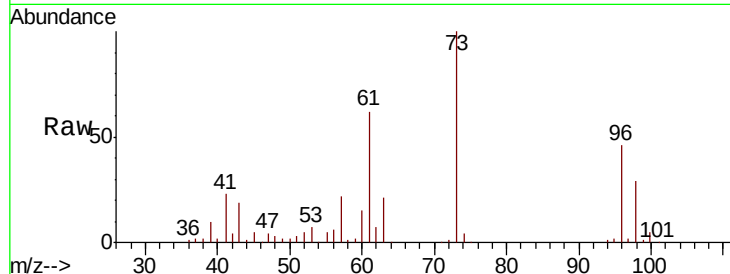
Methvl tert-butvl Ether
 Concen: 50.75 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

Manual Integrations
 APPROVED

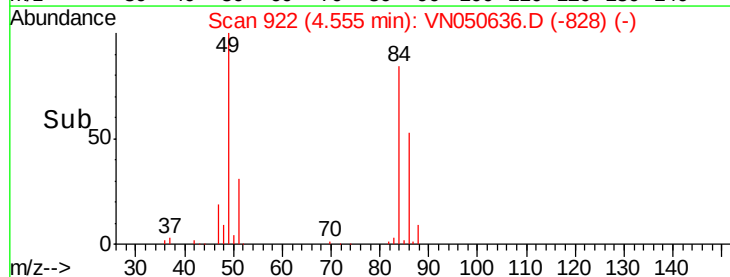
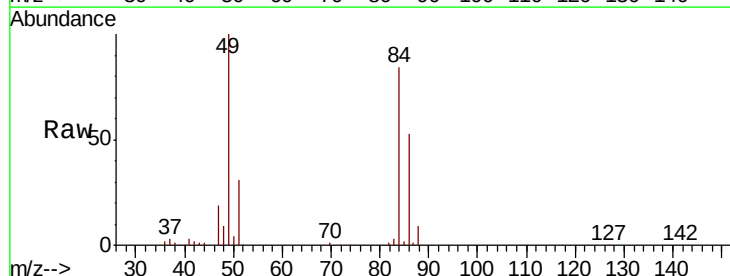
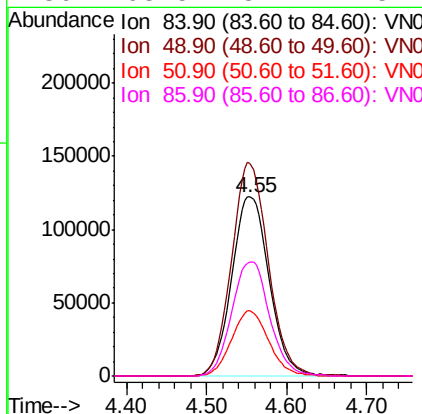
MMDadoda
 8/15/2018 3:32:45 PM

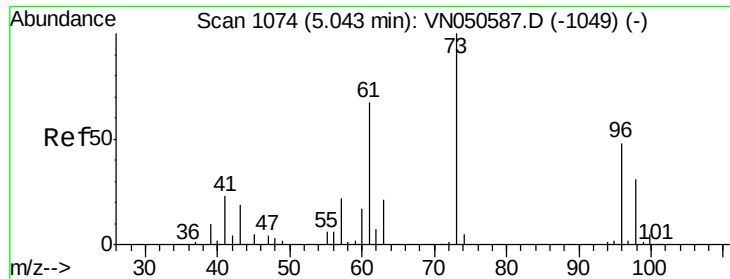


#20

Methylene Chloride
 Concen: 51.32 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	92.6	138.8
51	36.6	28.6	43.0
86	63.5	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 48.39 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

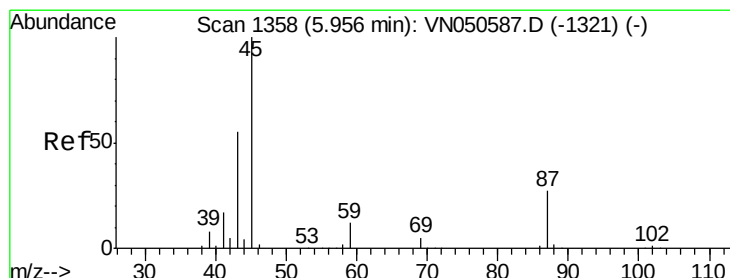
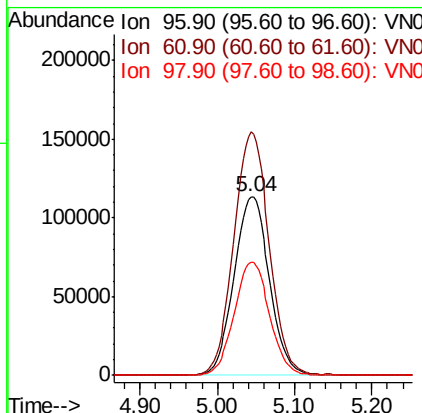
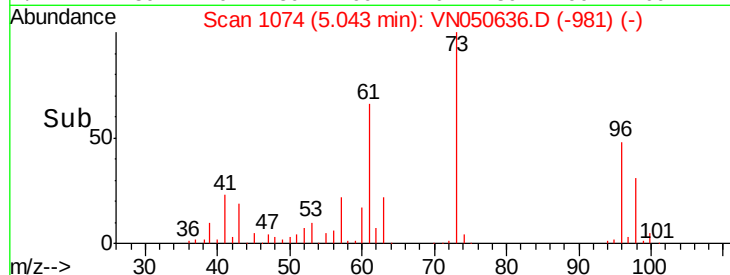
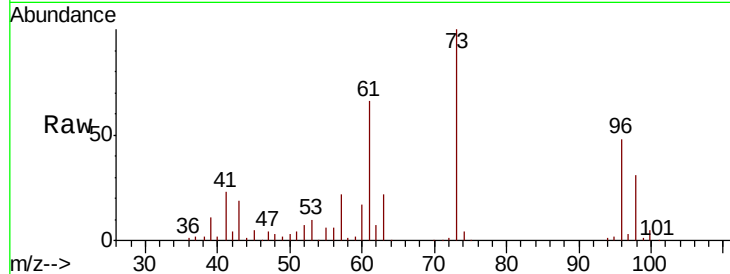
ClientSampleId :

944-MW-05(17)MS

Tot Ion:	96	Resp:	360829
Ion	Ratio	Lower	Upper
96	100		
61	136.1	111.2	166.8
98	63.5	51.6	77.4

Manual Integrations
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8/15/2018 3:32:45 PM



#22

Diisopropyl ether

Concen: 51.26 ug/l

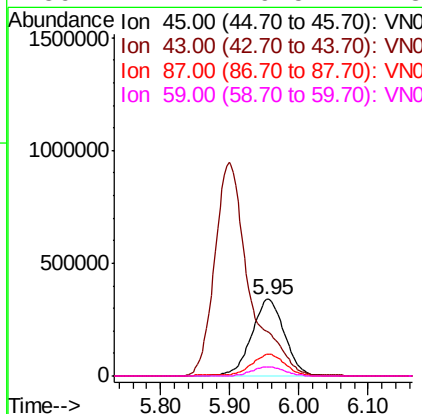
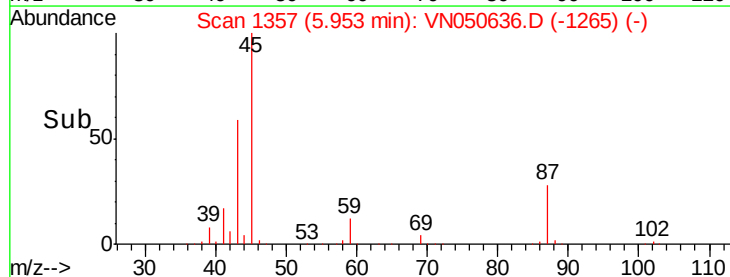
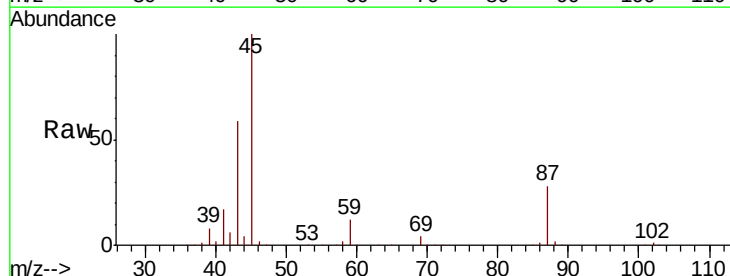
RT: 5.95 min Scan# 1357

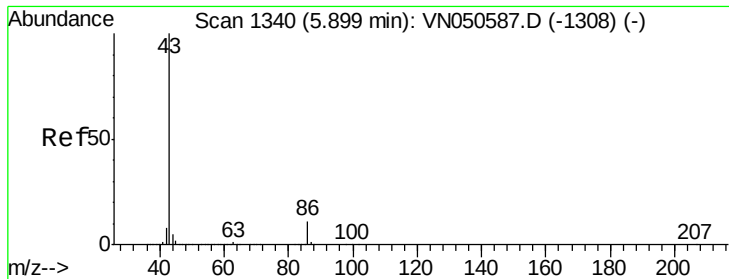
Delta R.T. -0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Tgt Ion:	45	Resp:	1124442
Ion	Ratio	Lower	Upper
45	100		
43	57.8	44.5	66.7
87	27.8	22.2	33.2
59	12.2	9.5	14.3





#23

Vinyl Acetate

Concen: 229.93 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion: 43 Resp: 3299326

Ion Ratio Lower Upper

43 100

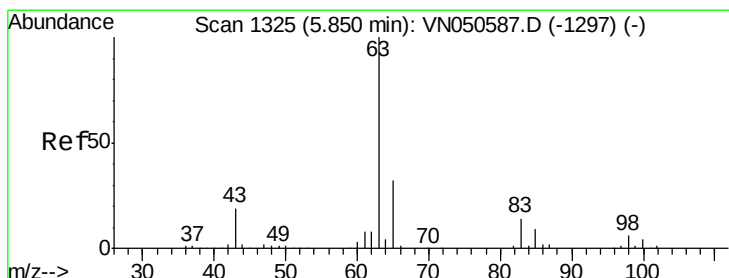
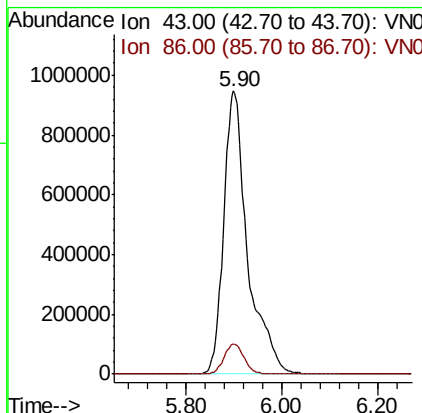
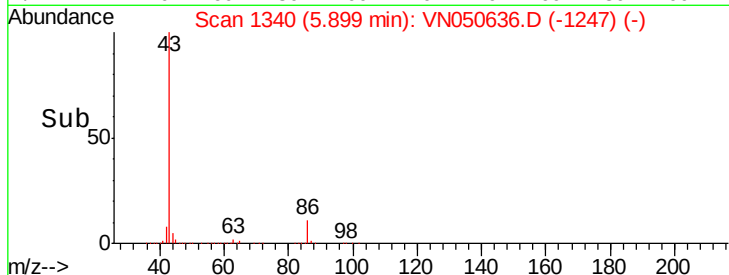
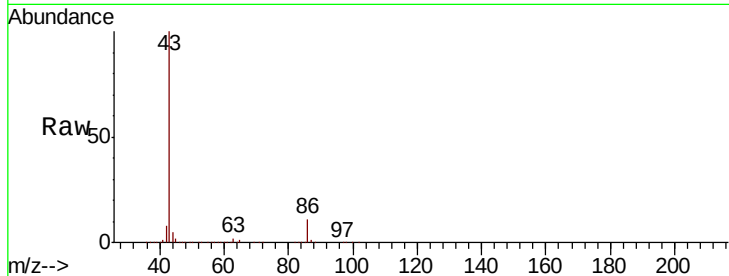
86 10.8 8.4 12.6

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 46.99 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

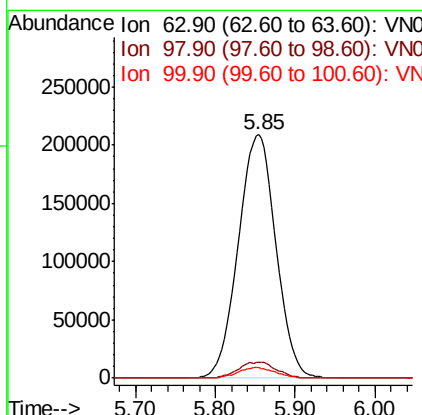
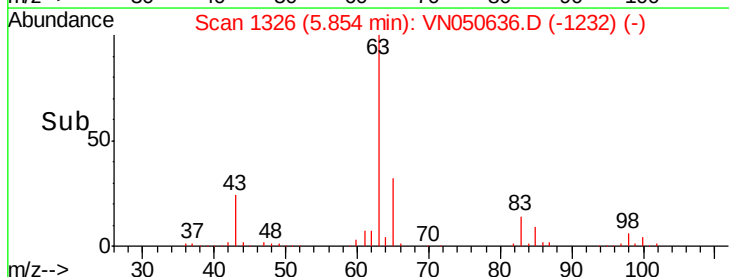
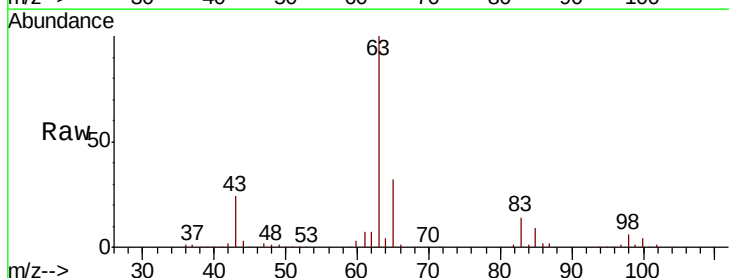
Tgt Ion: 63 Resp: 666921

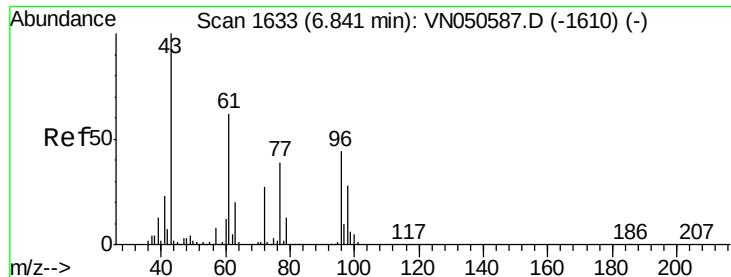
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 244.76 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion: 43 Resp: 801848

Ion Ratio Lower Upper

43 100

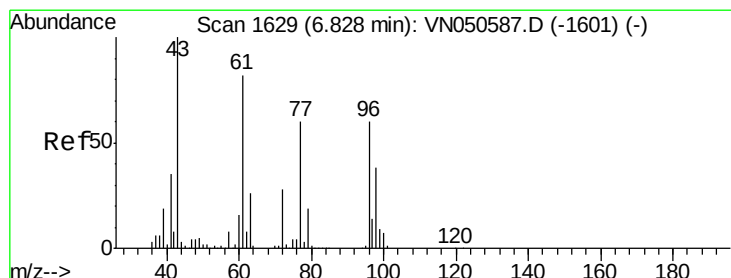
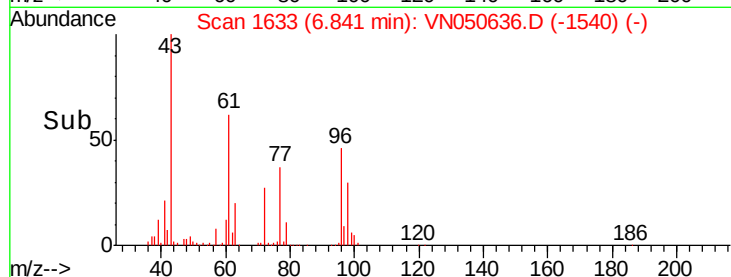
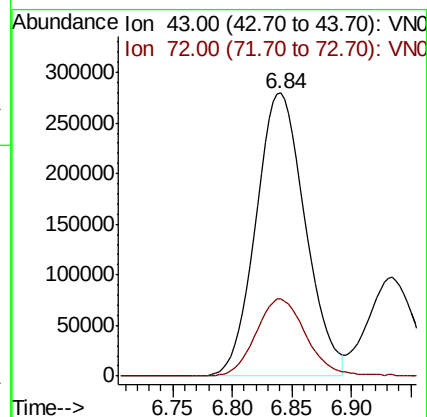
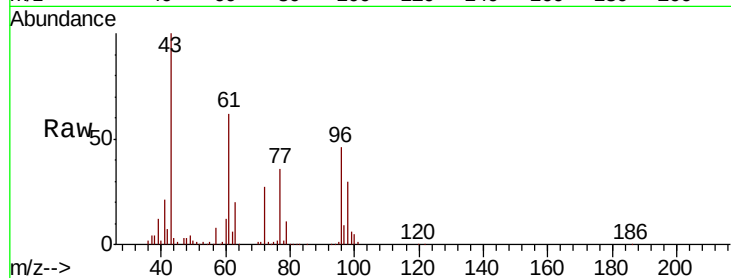
72 27.1 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

8/15/2018 3:32:45 PM



#26

2,2-Dichloropropane

Concen: 39.97 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050636.D

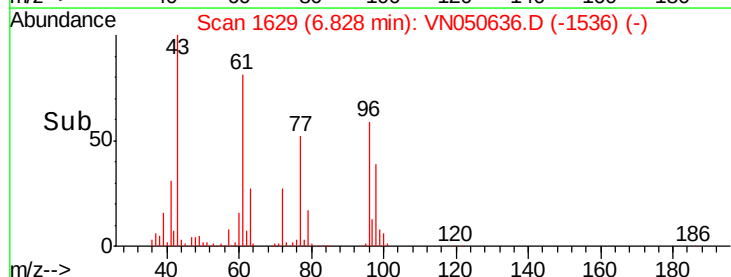
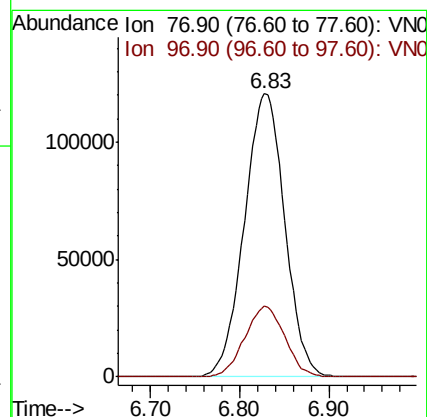
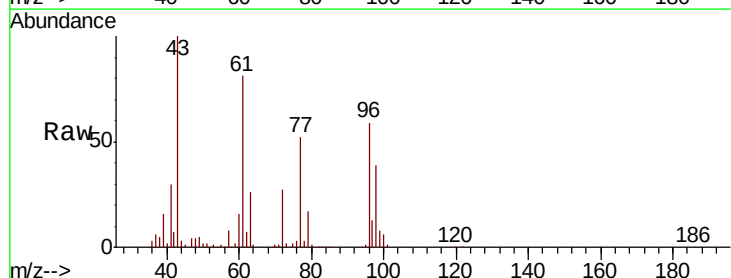
Acq: 15 Aug 2018 5:59

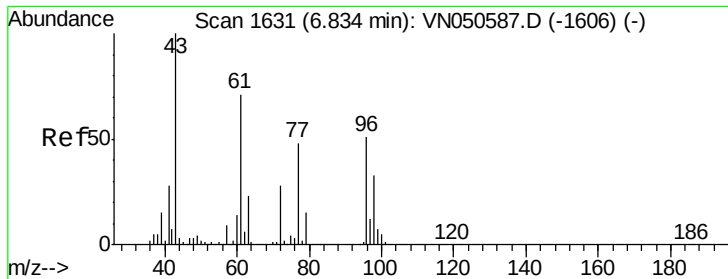
Tgt Ion: 77 Resp: 379741

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 48.76 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

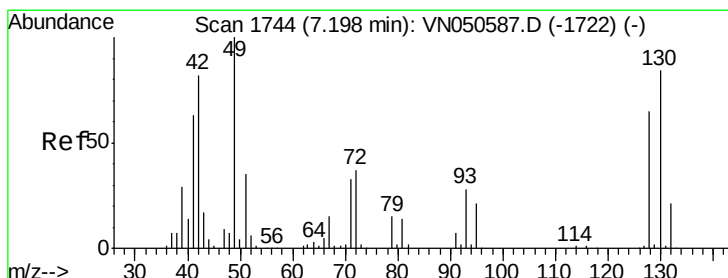
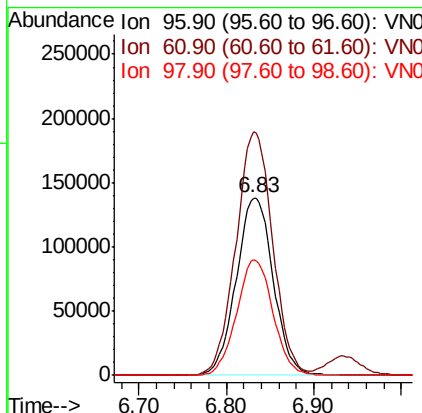
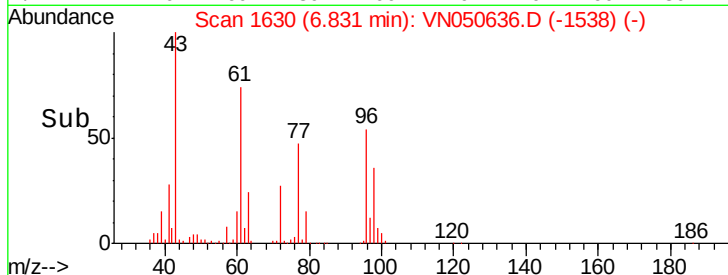
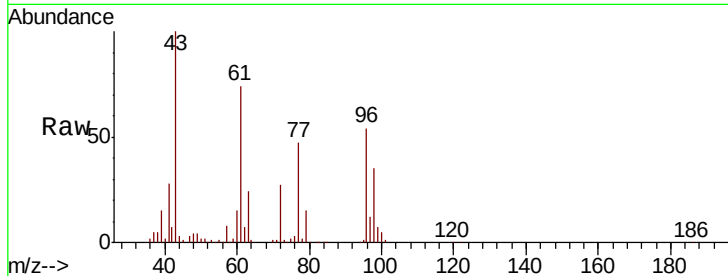
ClientSampleId :

944-MW-05(17)MS

Tot Ion:	96	Resp:	404891
Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	278.2
98	64.0	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 50.19 ug/l

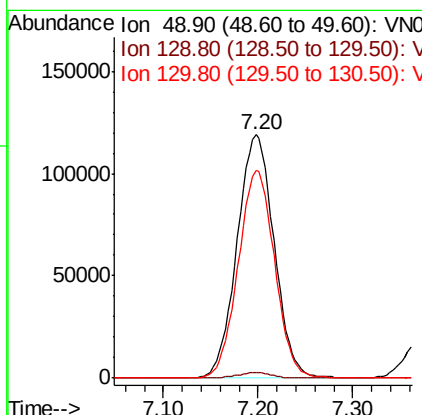
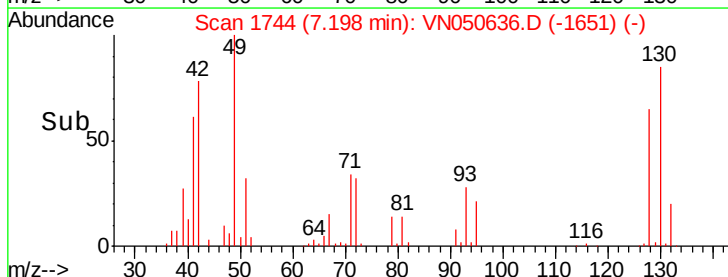
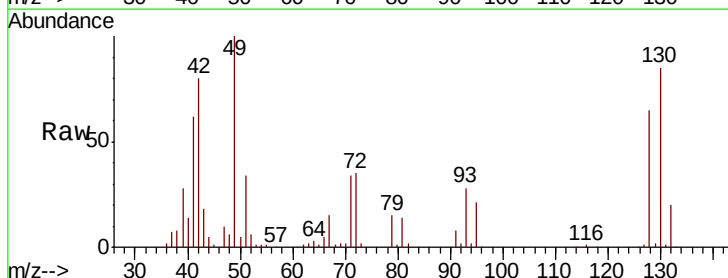
RT: 7.20 min Scan# 1744

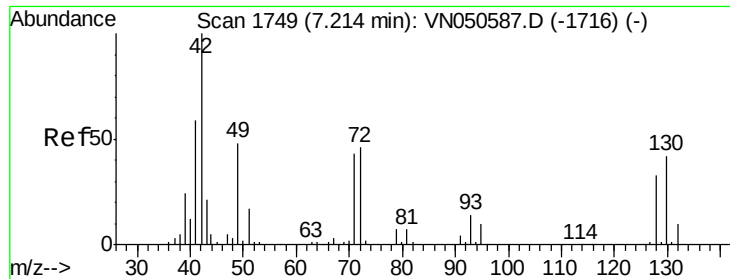
Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Tgt Ion:	49	Resp:	324226
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.9	66.8	100.2





#29

Tetrahydrofuran

Concen: 253.24 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion: 42 Resp: 433191

Ion Ratio Lower Upper

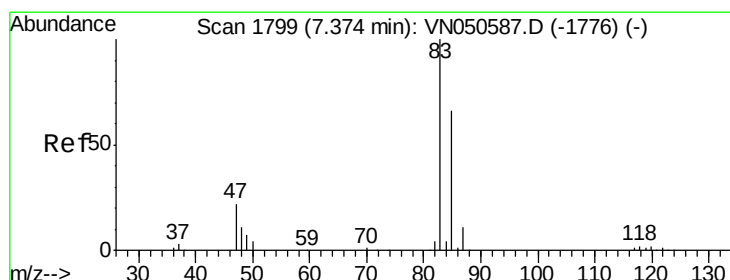
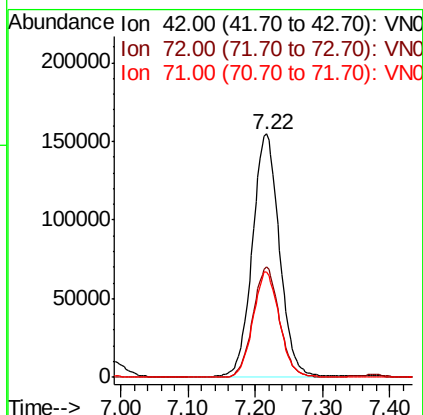
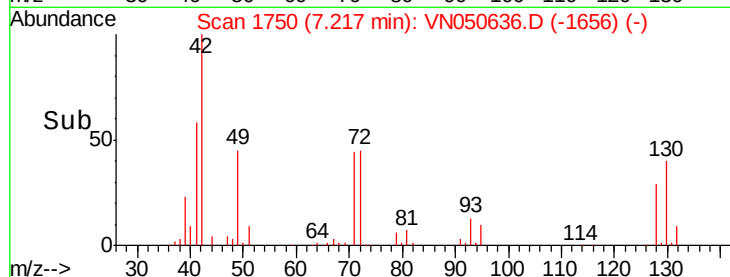
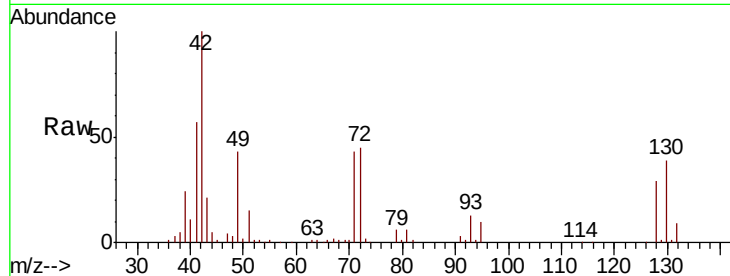
42 100

72 44.3 35.8 53.6

71 42.2 33.4 50.0

Manual Integrations
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MMDadoda
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#30

Chloroform

Concen: 46.83 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050636.D

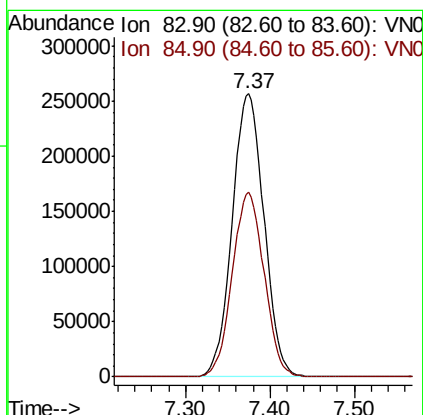
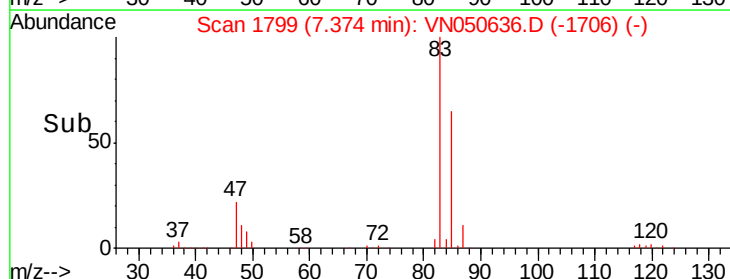
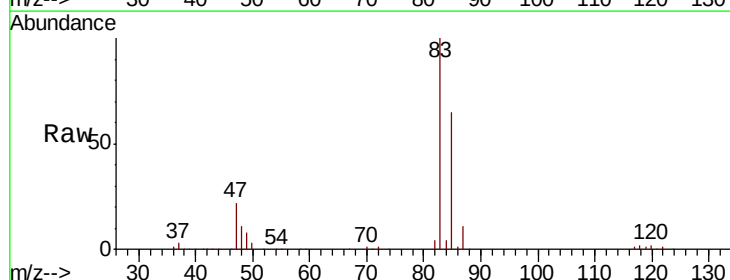
Acq: 15 Aug 2018 5:59

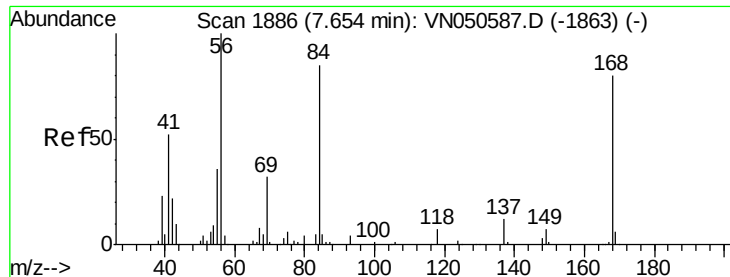
Tgt Ion: 83 Resp: 673614

Ion Ratio Lower Upper

83 100

85 65.2 52.5 78.7





#31

Cyclohexane

Concen: 47.34 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion: 56 Resp: 573607

Ion Ratio Lower Upper

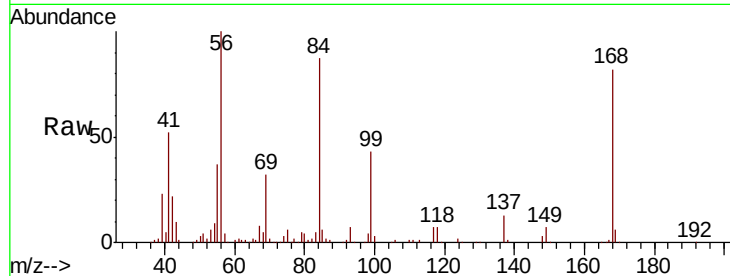
56 100

69 32.0 25.8 38.6

84 85.6 67.8 101.6

Manual Integrations
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8/15/2018 3:32:45 PM

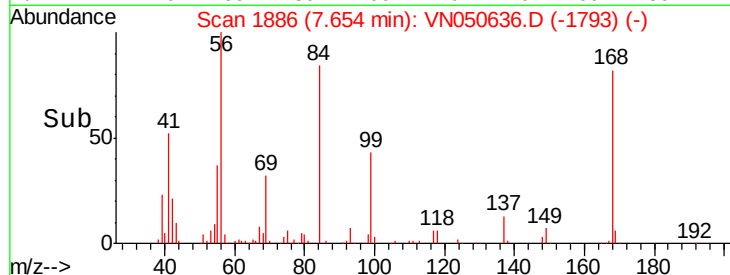


Abundance Ion 56.00 (55.70 to 56.70): VN050636.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN050636.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN050636.D (-1793) (-)

Time-->

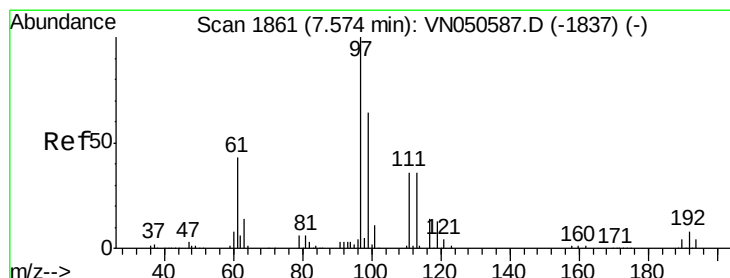


Abundance Ion 56.00 (55.70 to 56.70): VN050636.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN050636.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN050636.D (-1793) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 46.96 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

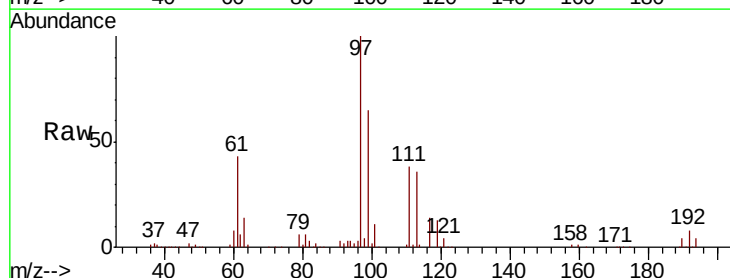
Tgt Ion: 97 Resp: 568530

Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

61 44.1 34.8 52.2

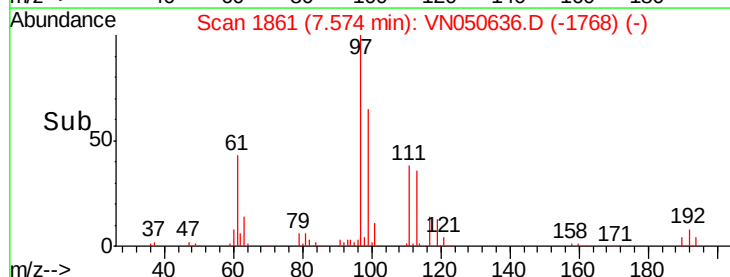


Abundance Ion 96.90 (96.60 to 97.60): VN050636.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN050636.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN050636.D (-1768) (-)

Time-->

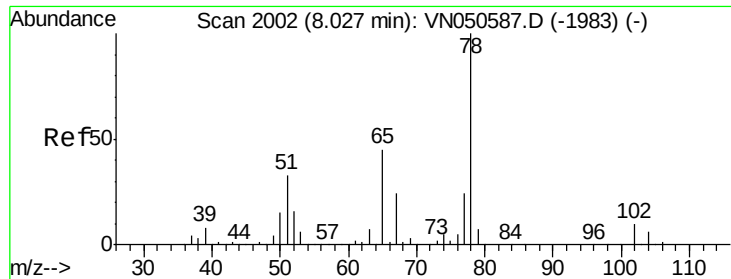


Abundance Ion 96.90 (96.60 to 97.60): VN050636.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN050636.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN050636.D (-1768) (-)

Time-->



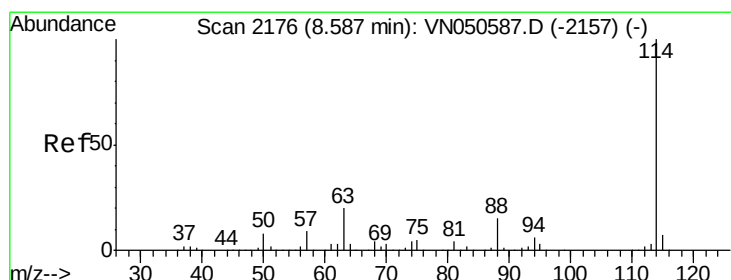
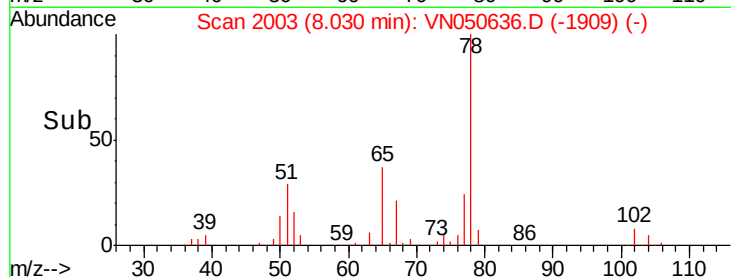
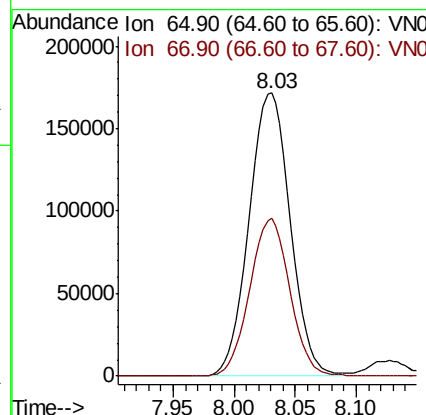
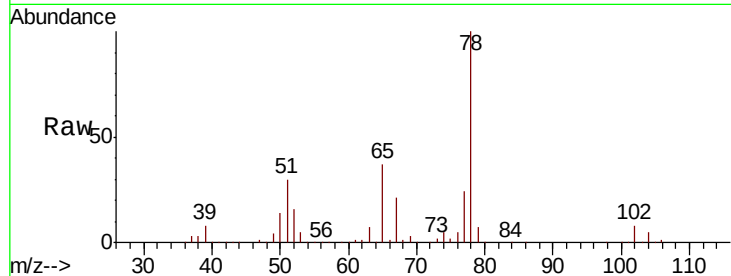
#33
 1,2-Dichloroethane-d4
 Concen: 50.14 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	400665		
67	54.5	0.0	109.8	

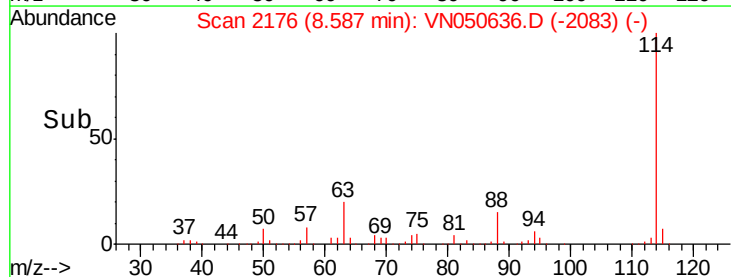
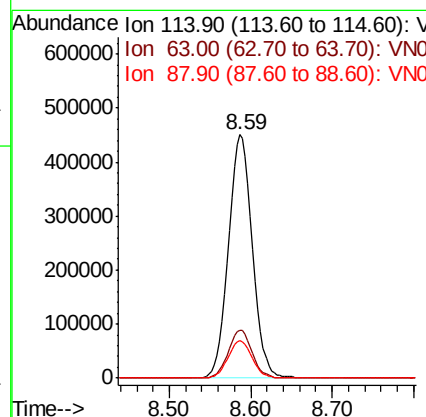
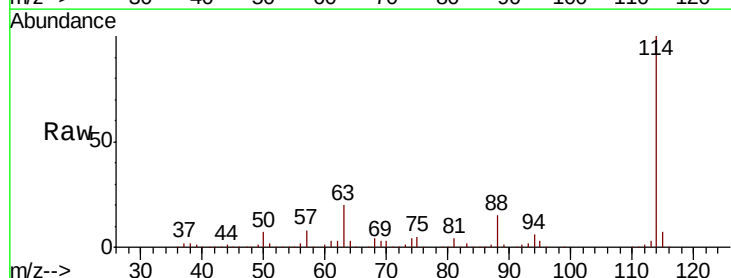
Manual Integrations
 APPROVED

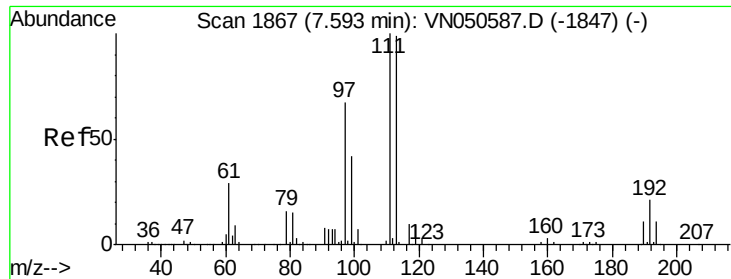
MMDadoda
 8/15/2018 3:32:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	932330		
63	19.7	0.0	40.0	
88	15.4	0.0	30.8	





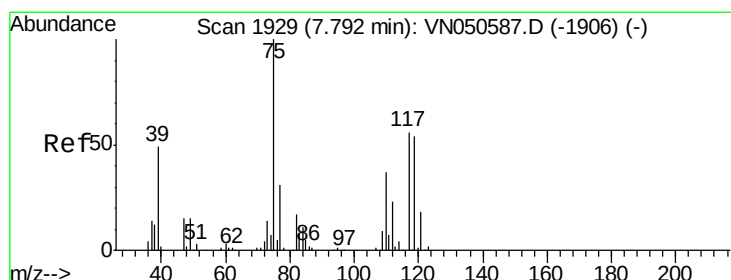
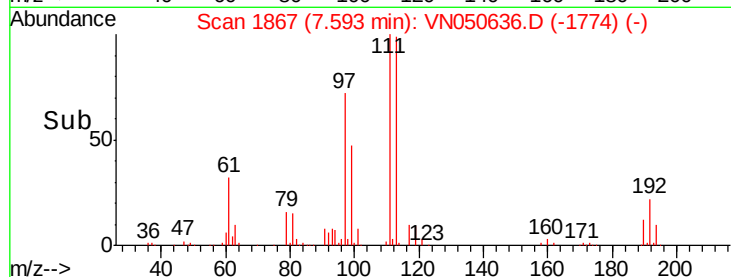
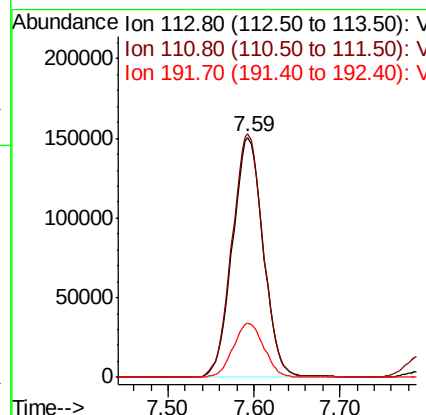
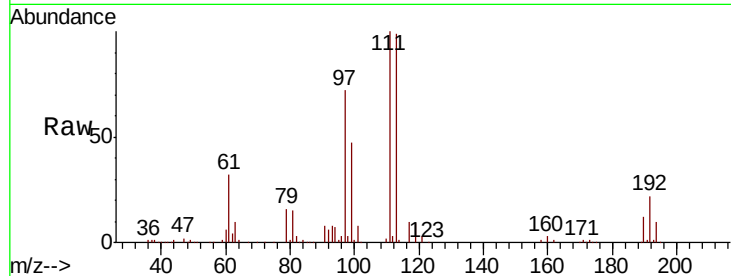
#35
 Dibromofluoromethane
 Concen: 50.41 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	375233		
111	102.0	81.0	121.6	
192	22.5	17.6	26.4	

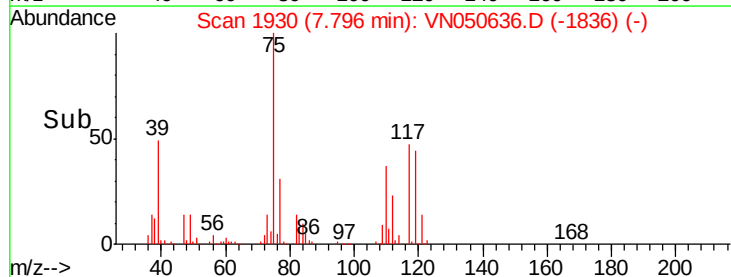
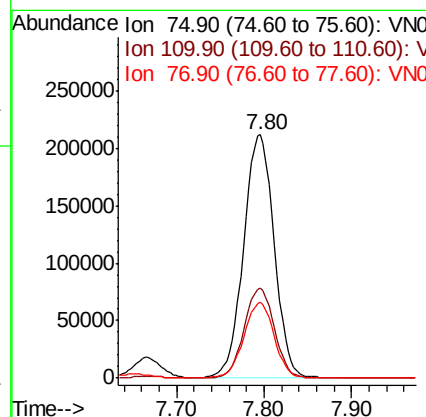
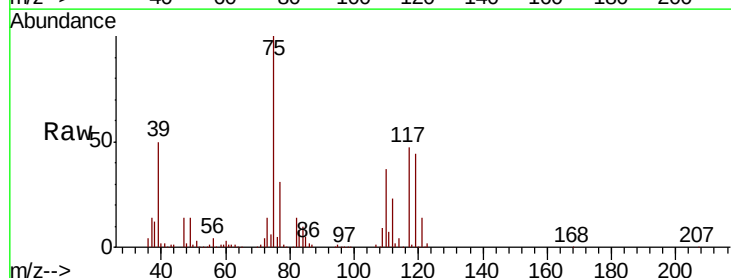
Manual Integrations
 APPROVED

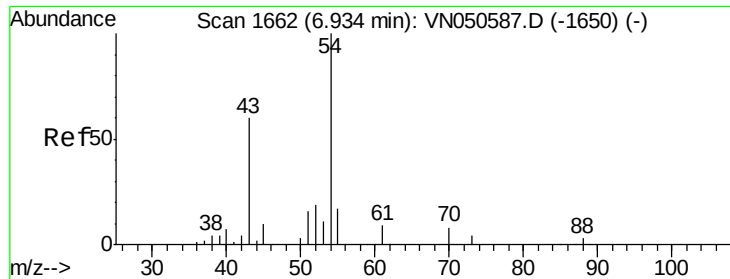
MMDadoda
 8/15/2018 3:32:45 PM



#36
 1,1-Dichloropropene
 Concen: 49.38 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	512529		
110	36.6	18.3	54.9	
77	31.2	25.0	37.4	





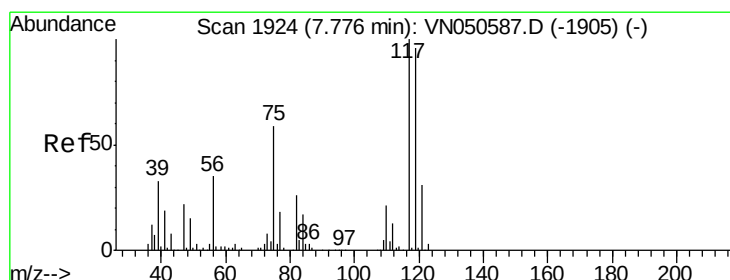
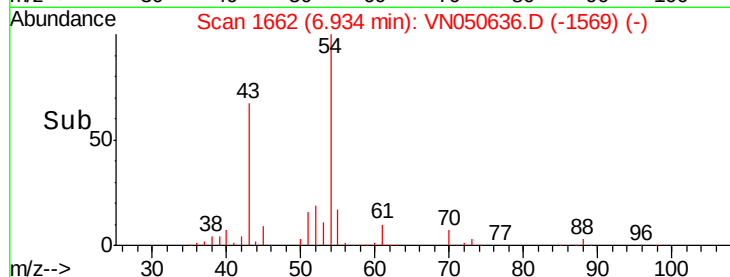
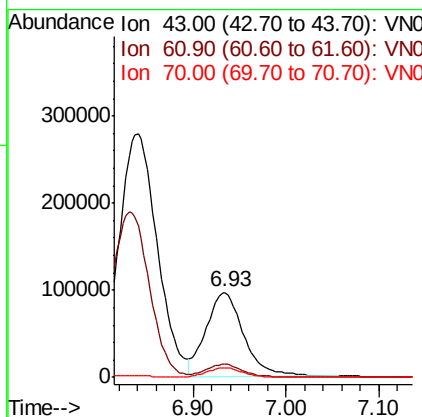
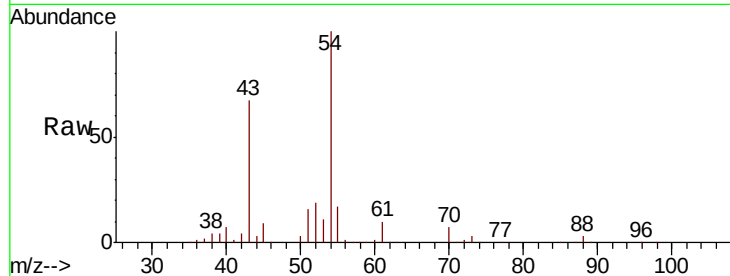
#37
Ethyl Acetate
Concen: 46.64 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100	273625		
61	15.3		12.0	18.0
70	10.8		8.5	12.7

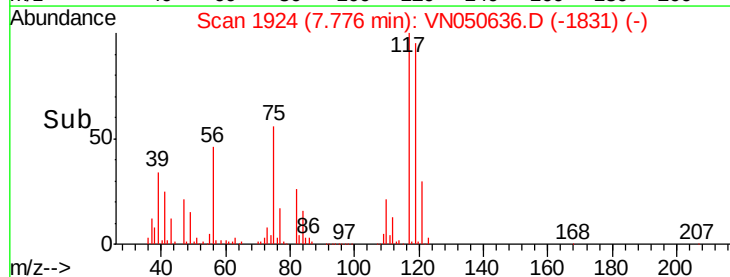
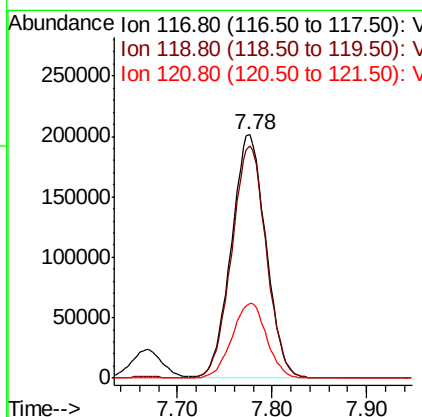
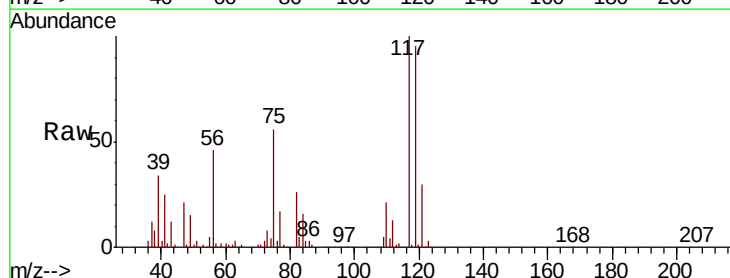
Manual Integrations
APPROVED

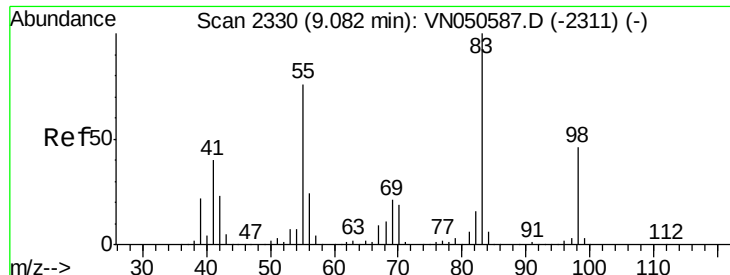
MMDadoda
8/15/2018 3:32:45 PM



#38
Carbon Tetrachloride
Concen: 47.51 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	511485		
119	95.0		76.6	115.0
121	30.4		25.0	37.6





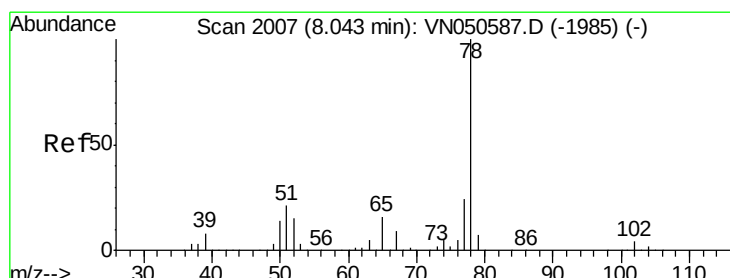
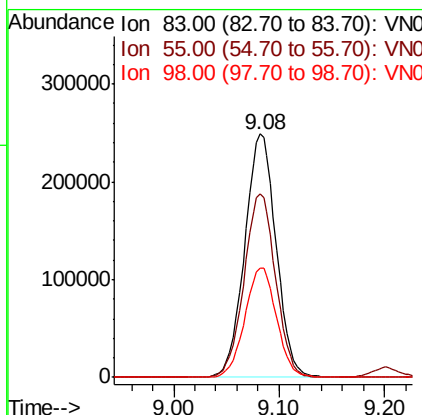
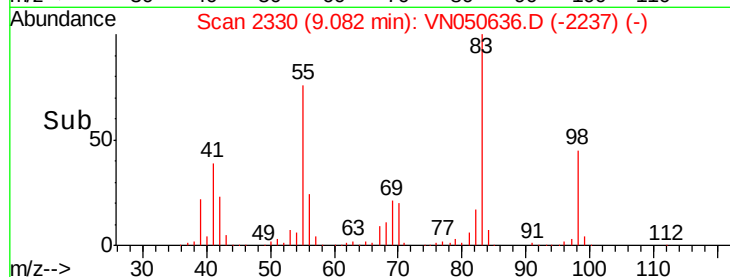
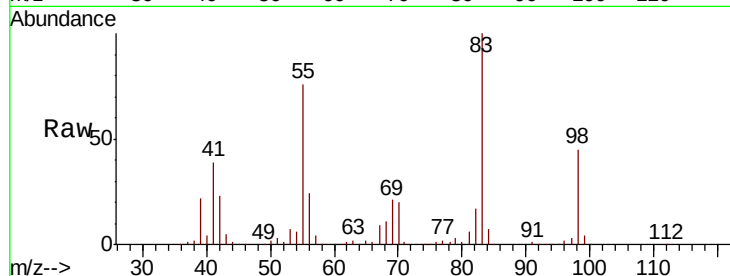
#39
Methylvlcyclohexane
Concen: 47.88 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.6	91.0
98	45.1	37.0	55.4

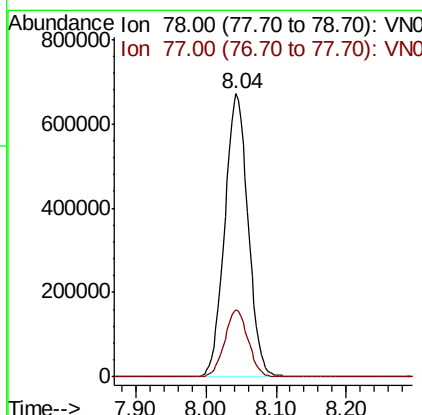
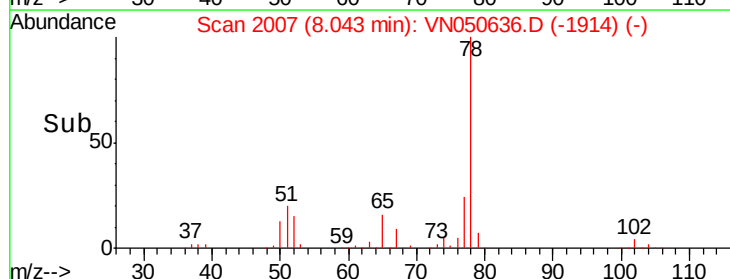
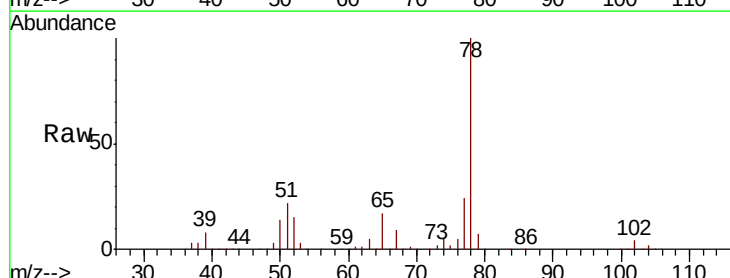
Manual Integrations
APPROVED

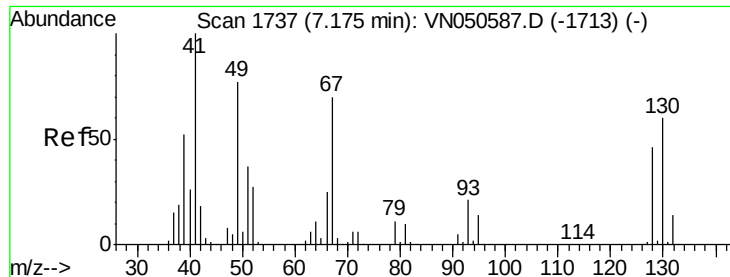
MMDadoda
8/15/2018 3:32:45 PM



#40
Benzene
Concen: 49.32 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





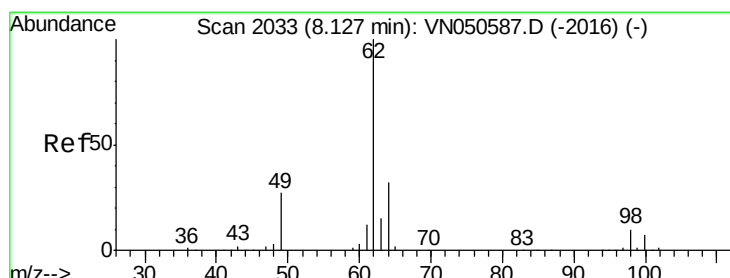
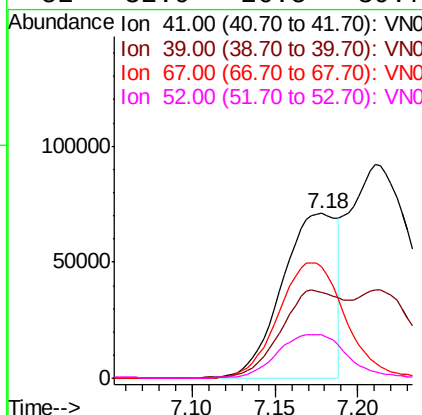
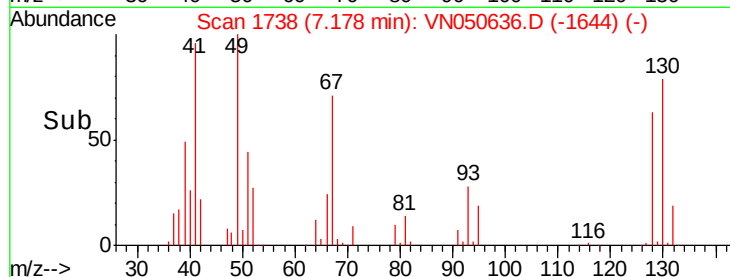
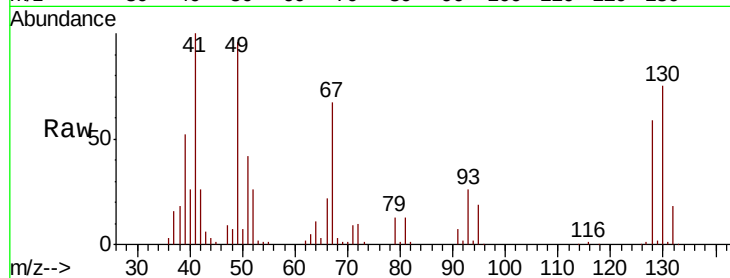
#41
Methacrylonitrile
Concen: 51.80 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.9	44.6	66.8
67	85.1	66.7	100.1
52	32.9	26.5	39.7

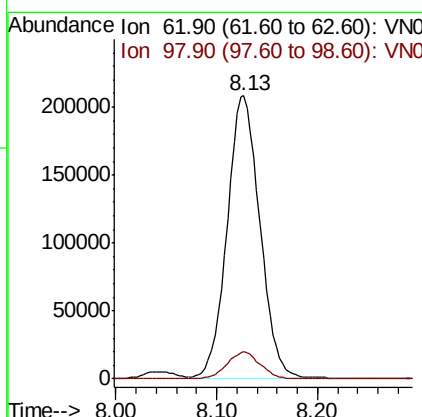
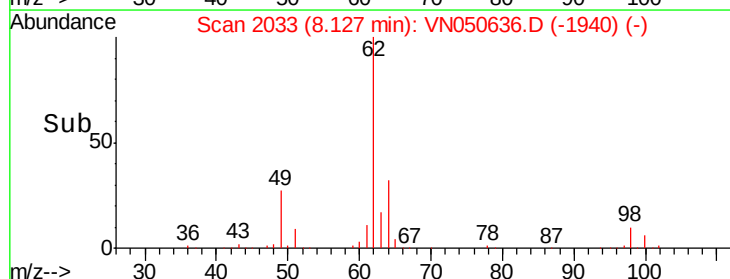
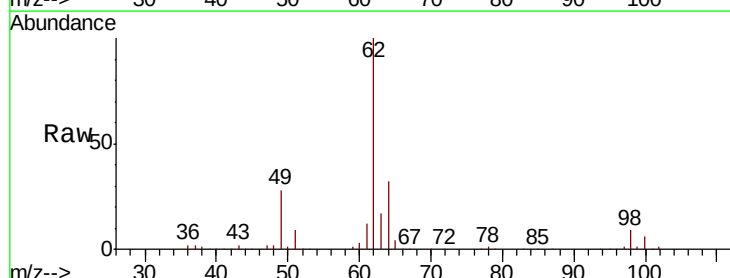
Manual Integrations
APPROVED

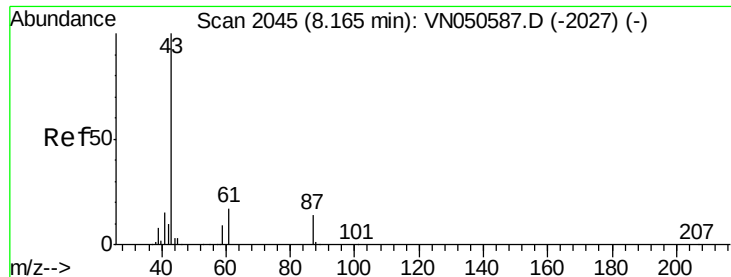
MMDadoda
8/15/2018 3:32:45 PM



#42
1,2-Dichloroethane
Concen: 48.55 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 45.58 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

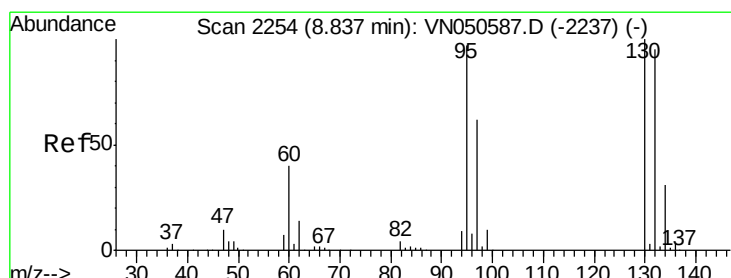
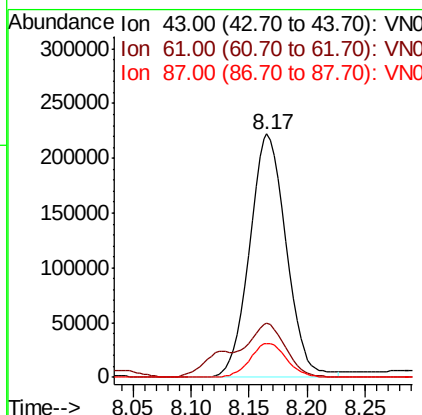
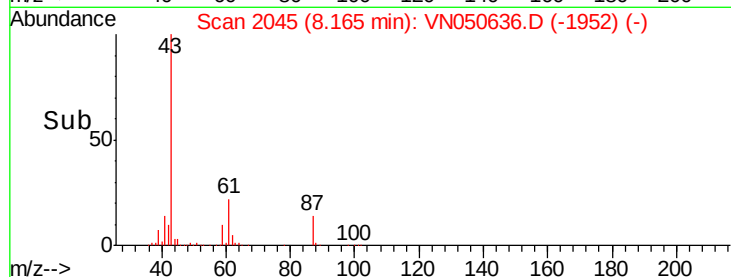
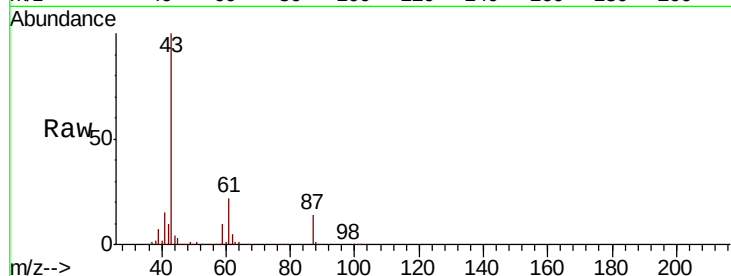
ClientSampleId :

944-MW-05(17)MS

Tot Ion:	43	Resp:	487275
Ion Ratio	Lower	Upper	
43	100		
61	21.0	16.2	24.2
87	14.1	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 49.27 ug/l

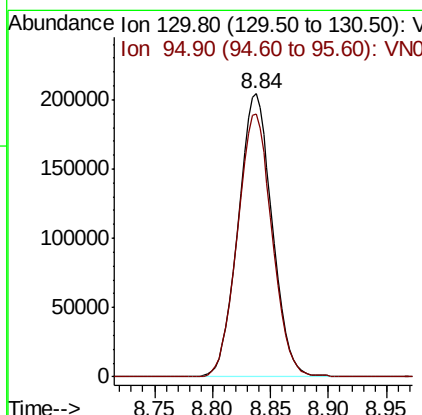
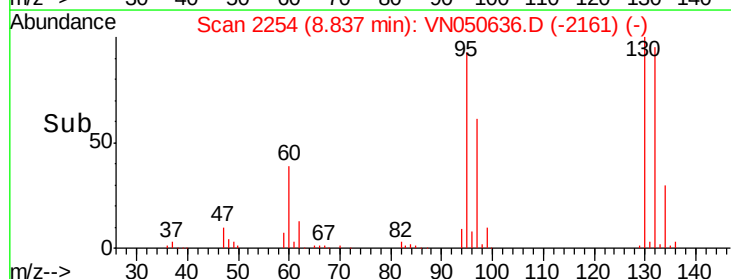
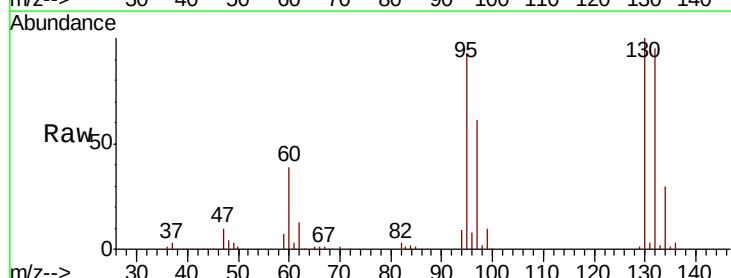
RT: 8.84 min Scan# 2254

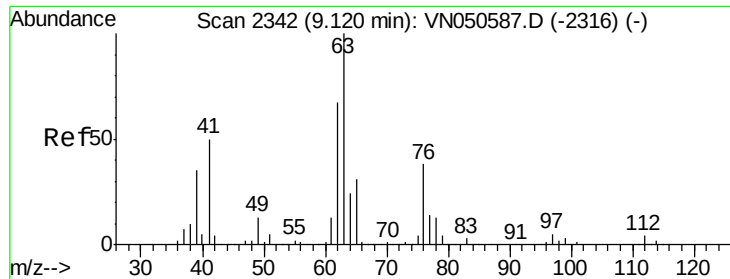
Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Tgt Ion:	130	Resp:	416676
Ion Ratio	Lower	Upper	
130	100		
95	92.7	0.0	193.8





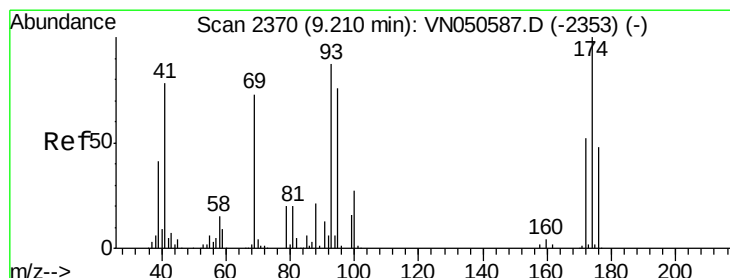
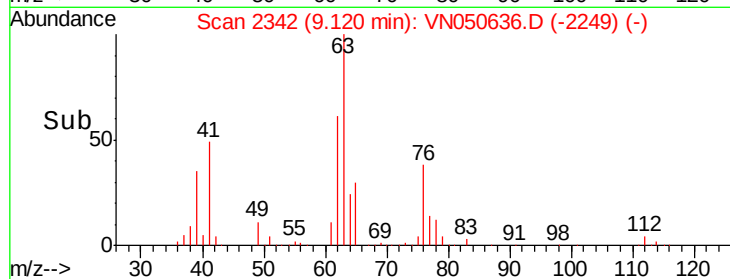
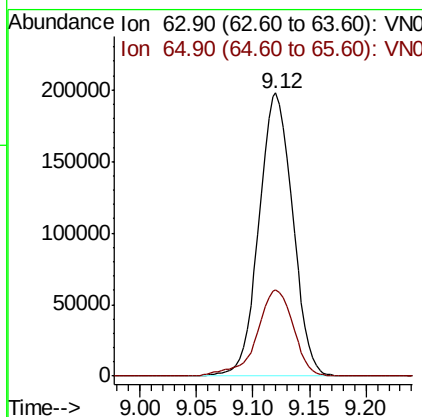
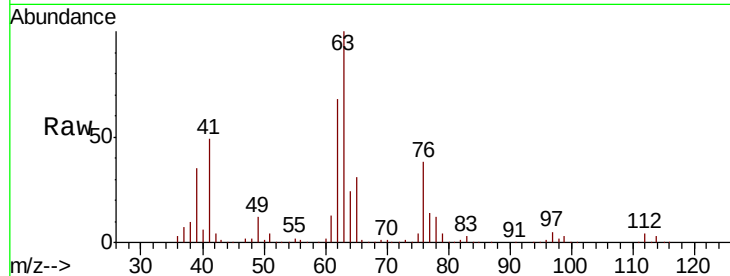
#45
 1,2-Dichloropropane
 Concen: 48.78 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.5	36.7

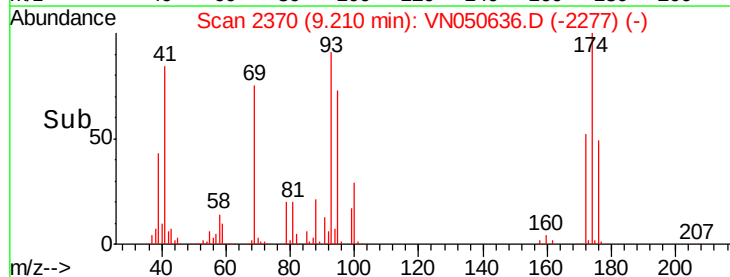
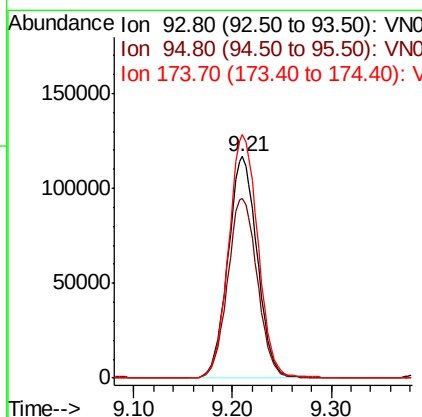
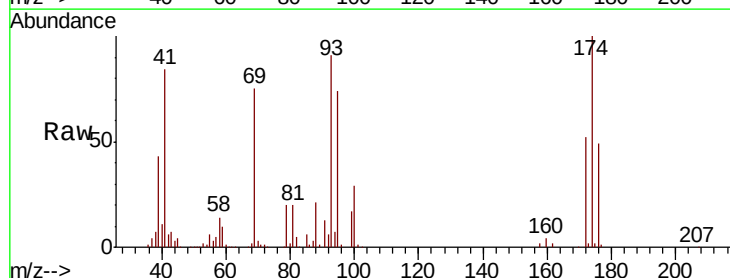
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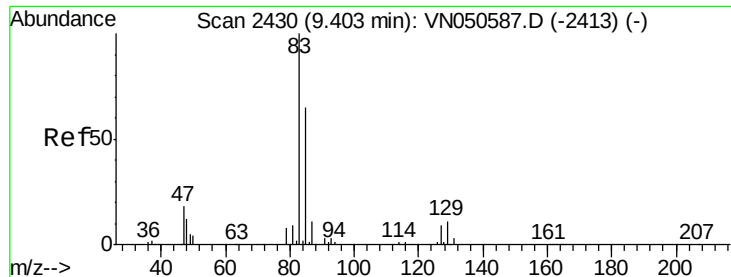
MMDadoda
 8/15/2018 3:32:45 PM



#46
 Dibromomethane
 Concen: 48.63 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	69.1	103.7
174	110.5	91.0	136.6





#47

Bromodichloromethane

Concen: 48.37 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

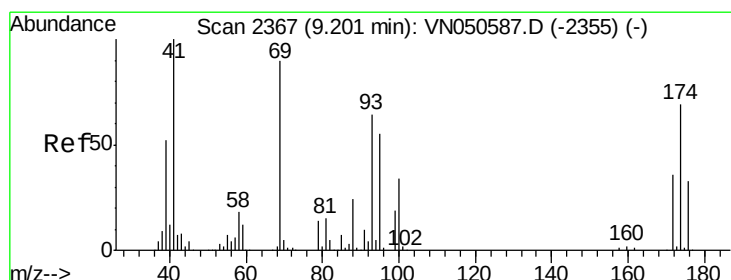
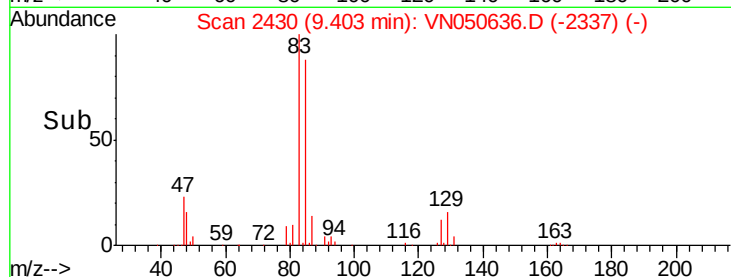
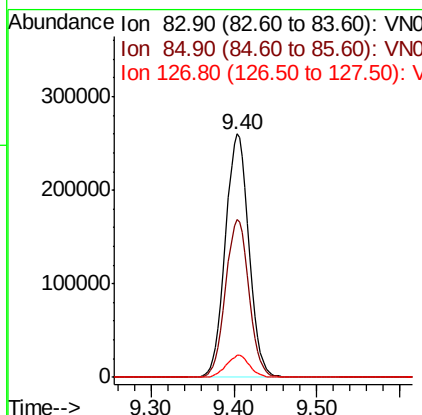
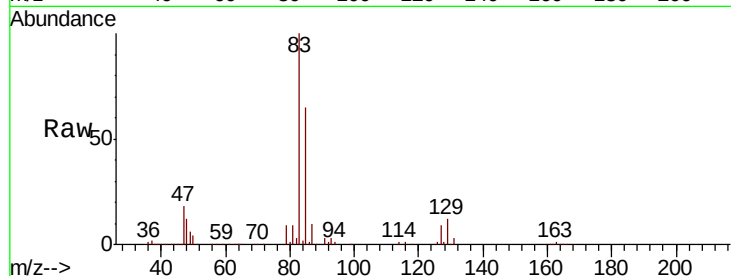
ClientSampleId :

944-MW-05(17)MS

Tot Ion:	83	Resp:	513158
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.8	77.6
127	8.9	7.2	10.8

Manual Integrations
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8/15/2018 3:32:45 PM



#48

Methyl methacrylate

Concen: 48.65 ug/l

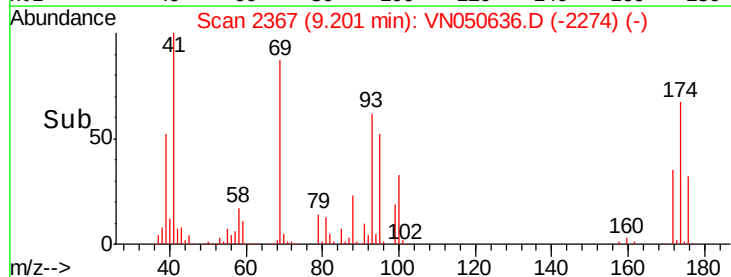
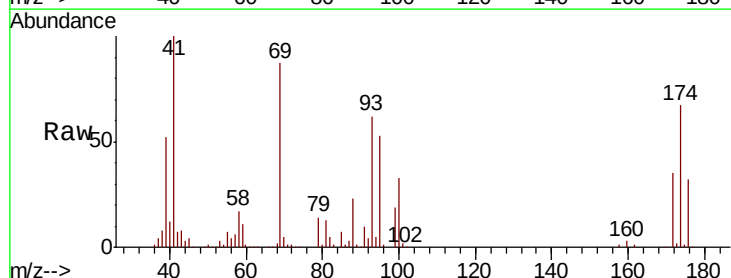
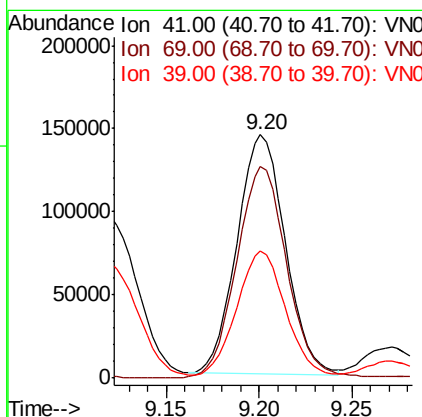
RT: 9.20 min Scan# 2367

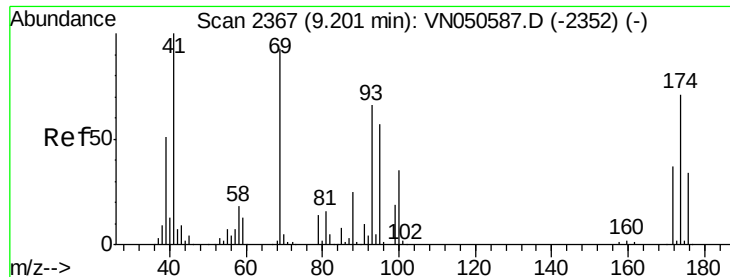
Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Tgt Ion:	41	Resp:	261722
Ion Ratio	Lower	Upper	
41	100		
69	92.7	73.4	110.0
39	54.4	43.0	64.6





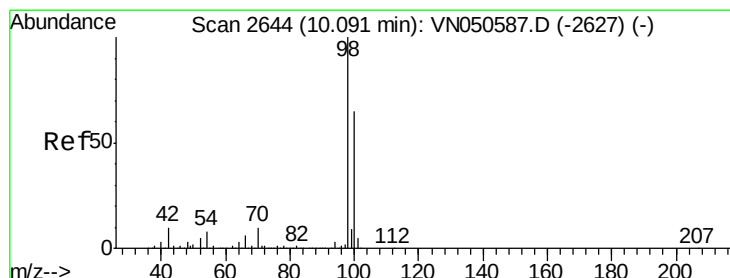
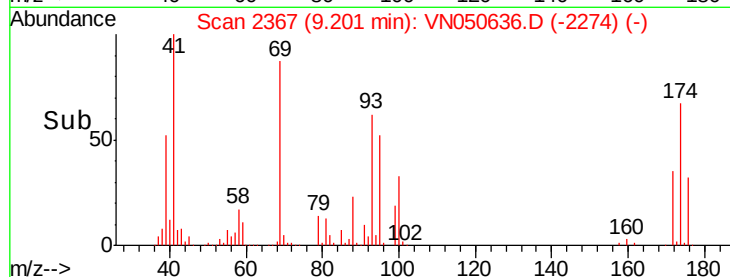
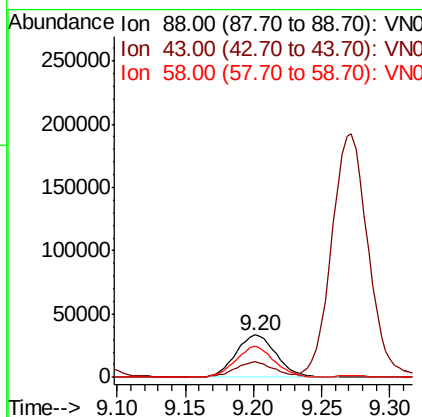
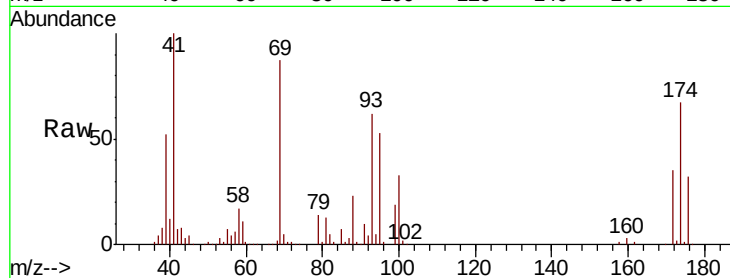
#49
 1,4-Dioxane
 Concen: 977.05 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	25.9	38.9
58	69.5	56.5	84.7

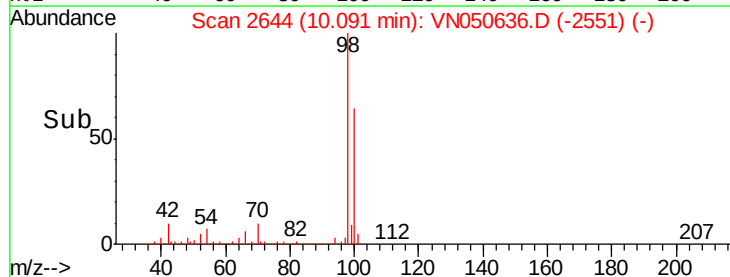
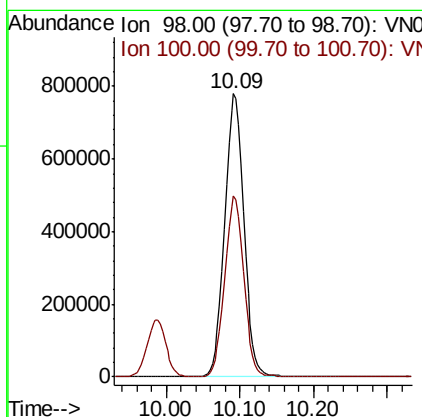
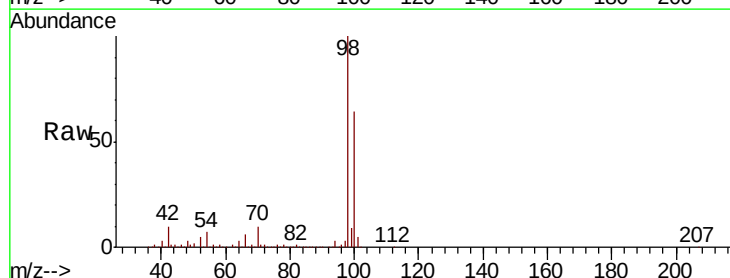
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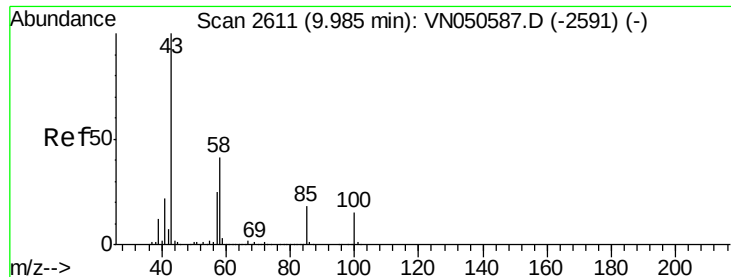
MMDadoda
 8/15/2018 3:32:45 PM



#50
 Toluene-d8
 Concen: 50.55 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.8	77.8





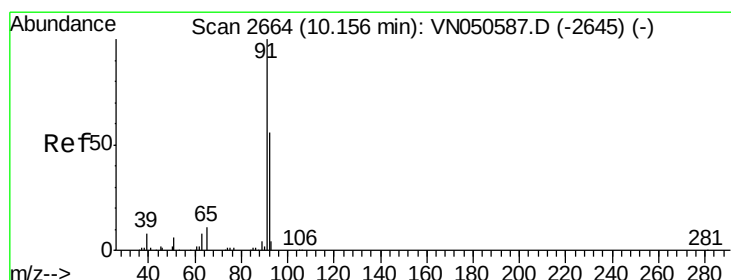
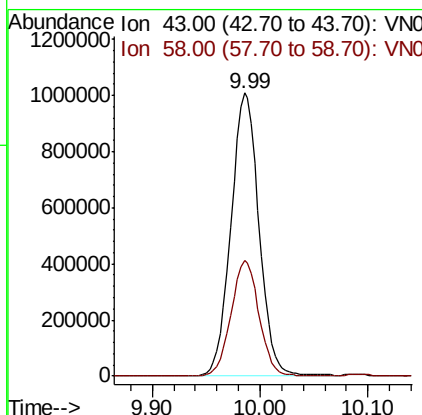
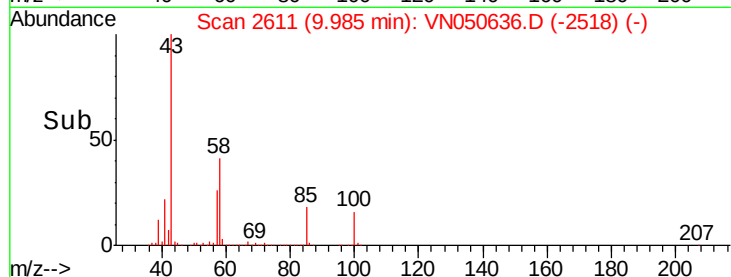
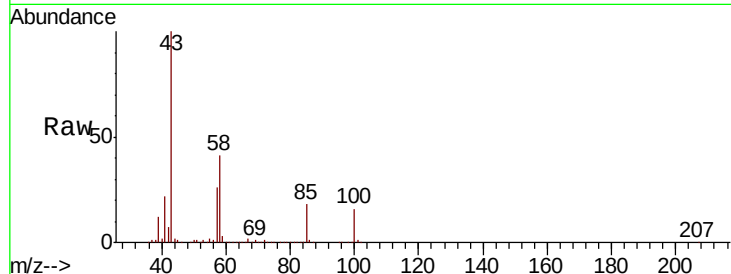
#51
4-Methyl-2-Pentanone
Concen: 252.02 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)MS

Tot Ion: 43 Resp: 1822237
Ion Ratio Lower Upper
43 100
58 40.8 32.5 48.7

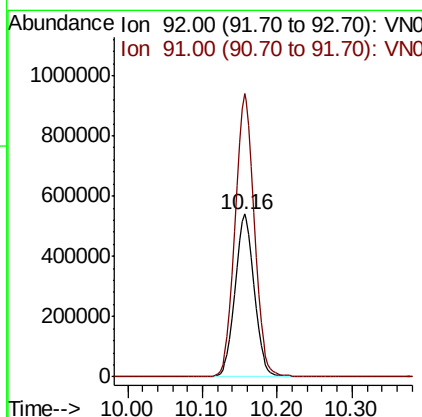
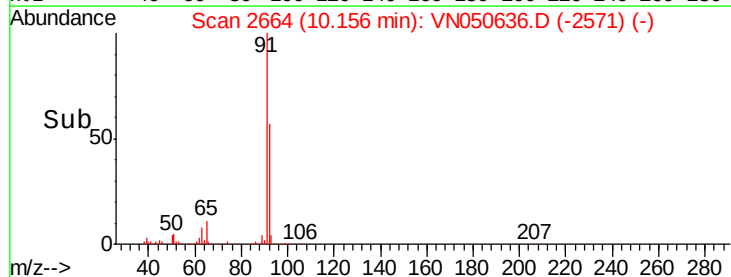
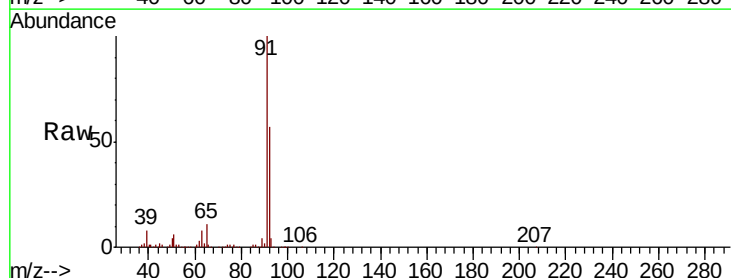
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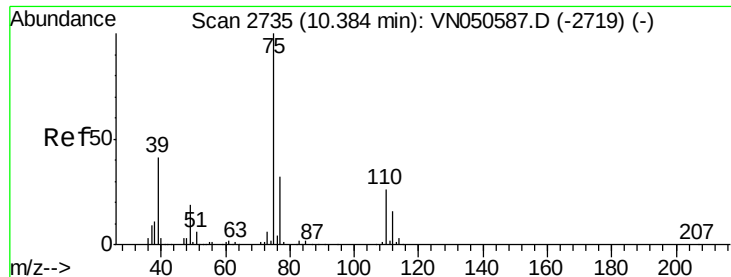
MMDadoda
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#52
Toluene
Concen: 51.25 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Tgt Ion: 92 Resp: 966065
Ion Ratio Lower Upper
92 100
91 175.0 141.9 212.9





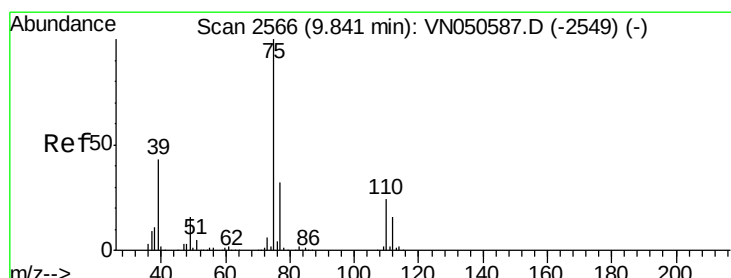
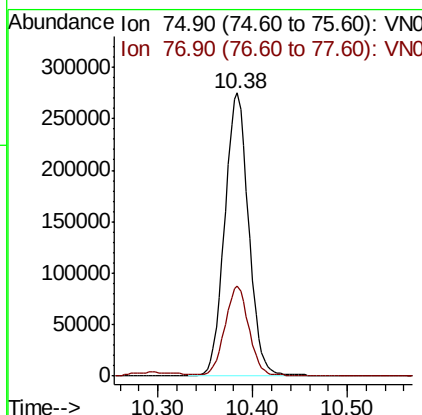
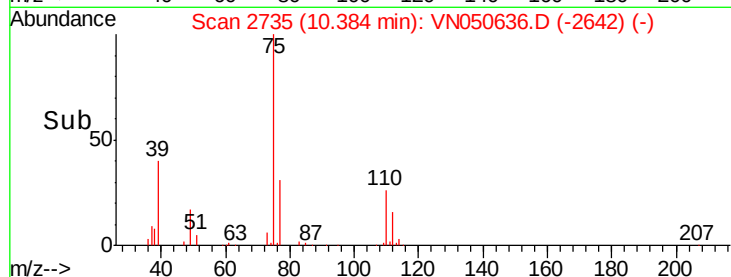
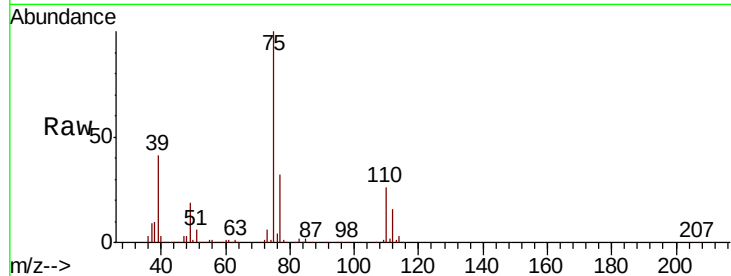
#53
 t-1,3-Dichloropropene
 Concen: 49.09 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6

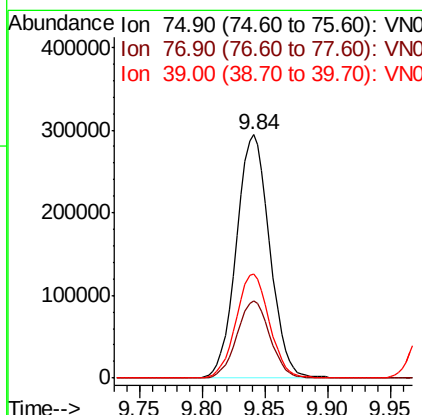
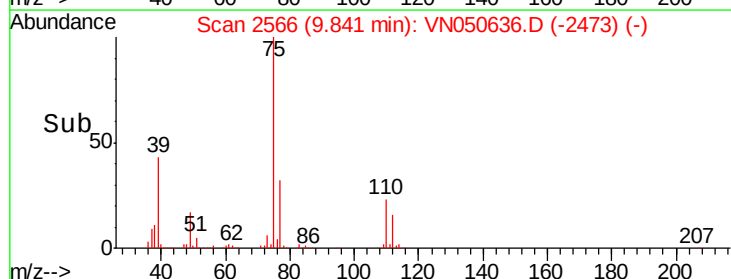
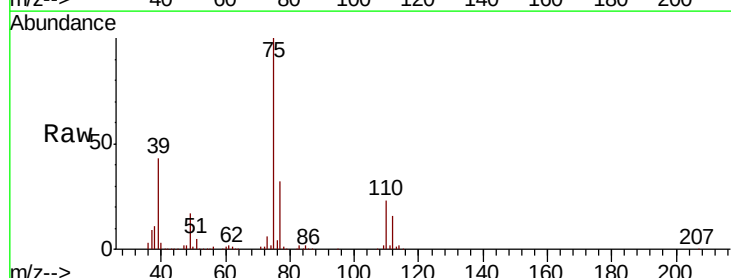
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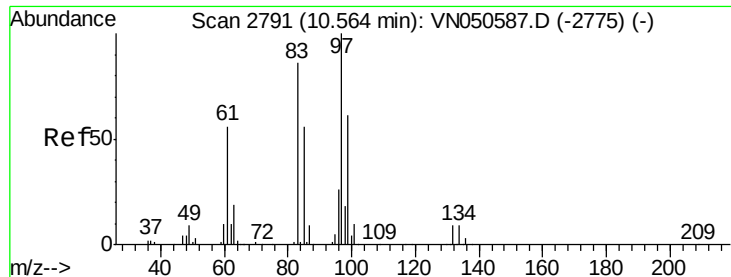
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 47.98 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	42.8	34.4	51.6





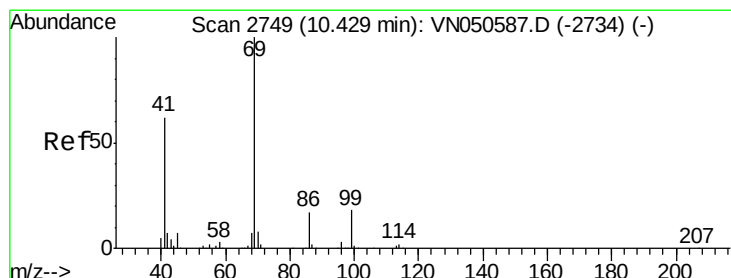
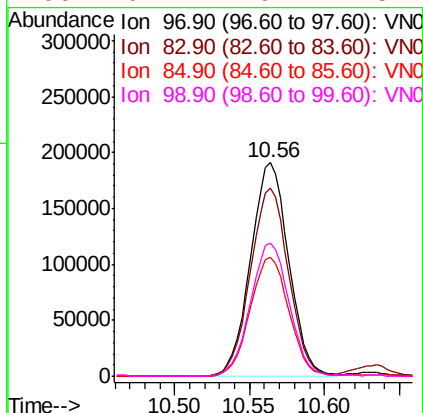
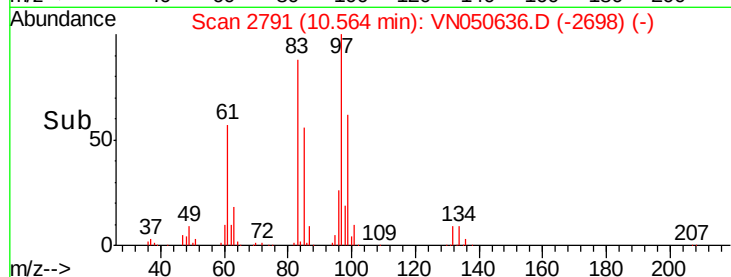
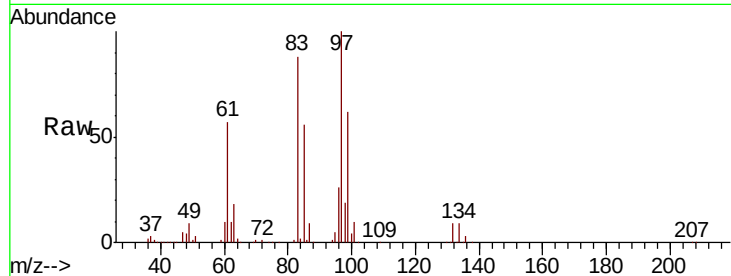
#55
 1,1,2-Trichloroethane
 Concen: 48.14 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		339006		
83	88.2	68.5	102.7		
85	55.6	44.6	66.8		
99	62.1	49.1	73.7		

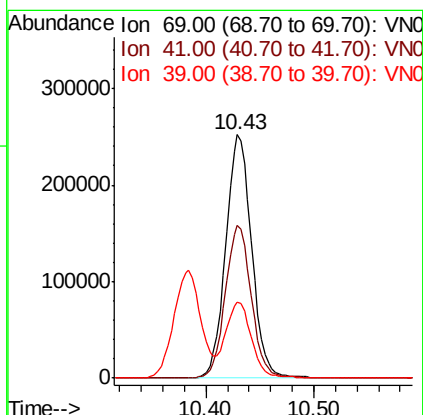
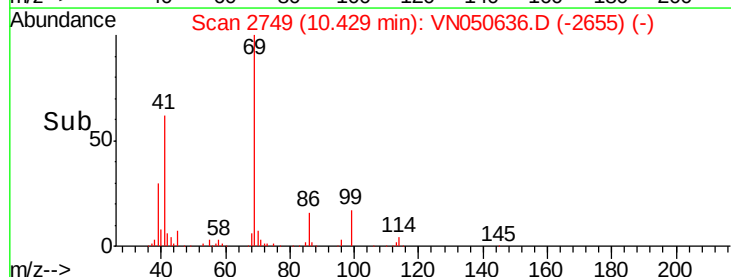
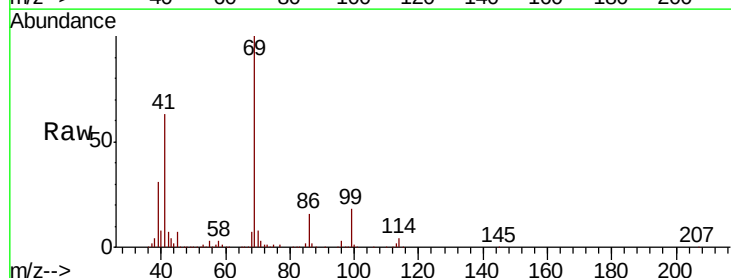
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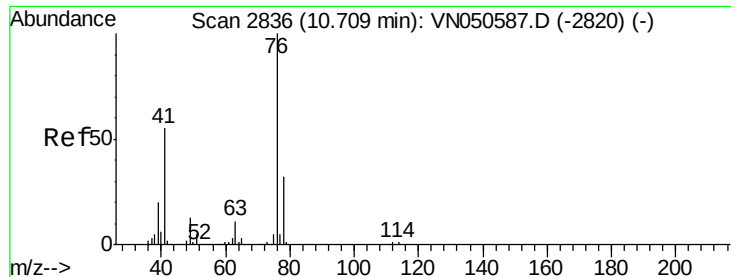
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 8/15/2018 3:32:45 PM



#56
 Ethyl methacrylate
 Concen: 47.10 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		422126		
41	61.9	49.7	74.5		
39	30.4	24.2	36.2		





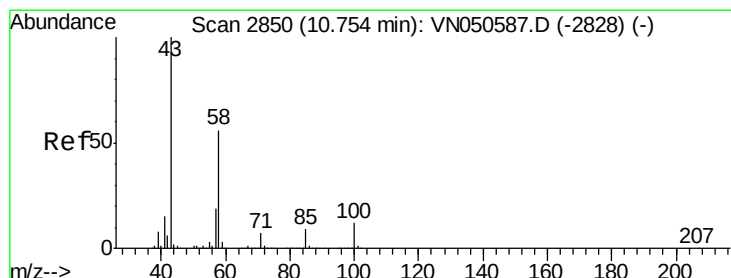
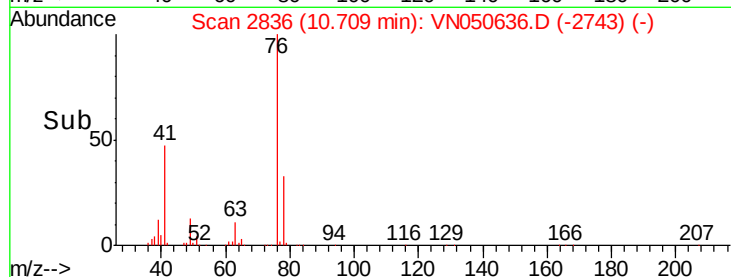
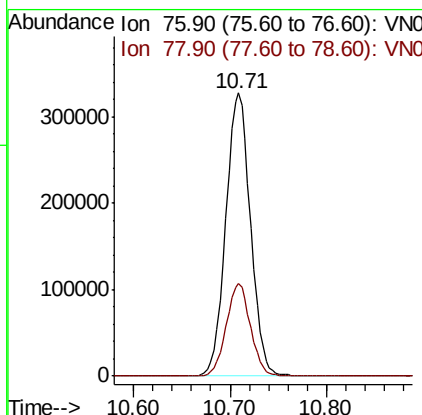
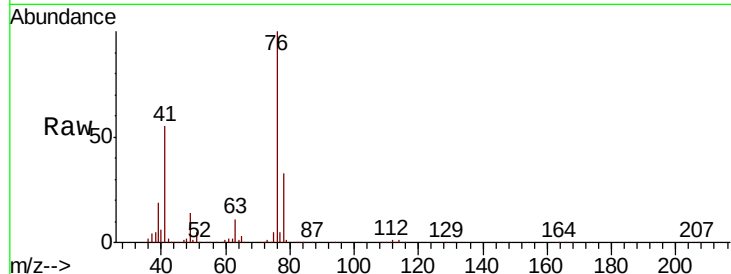
#57
 1,3-Dichloropropane
 Concen: 50.18 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

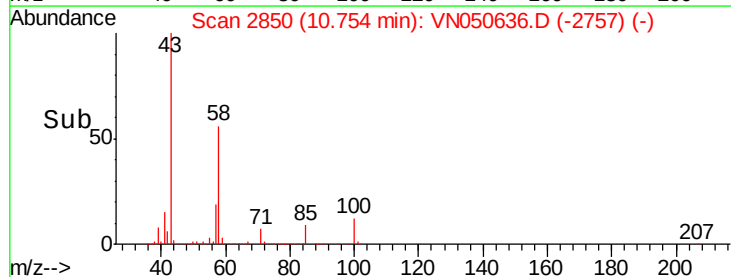
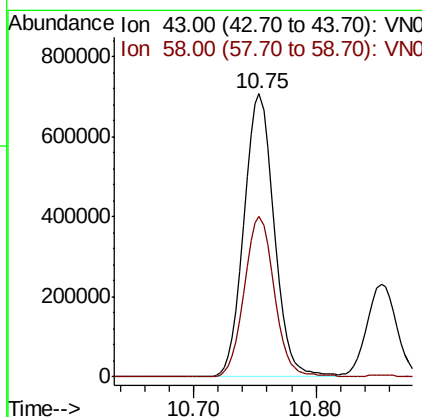
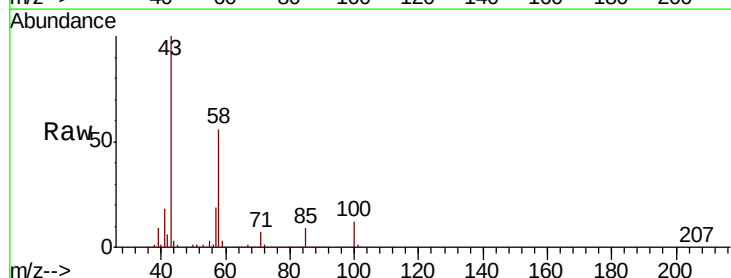
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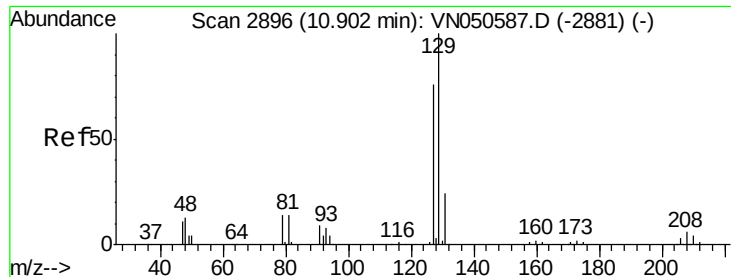
MMDadoda
 8/15/2018 3:32:45 PM



#59
 2-Hexanone
 Concen: 257.51 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.0	84.0





#60

Dibromochloromethane

Concen: 50.29 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion:129 Resp: 390912

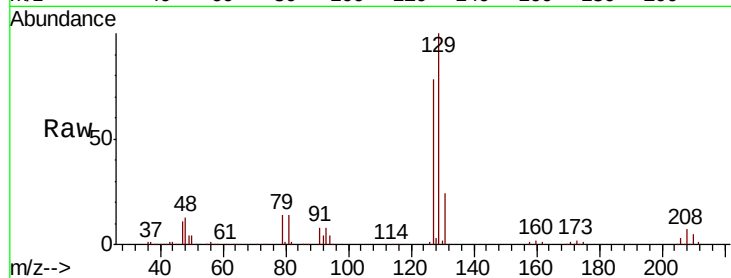
Ion Ratio Lower Upper

129 100

127 76.9 38.9 116.7

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

250000

200000

150000

100000

50000

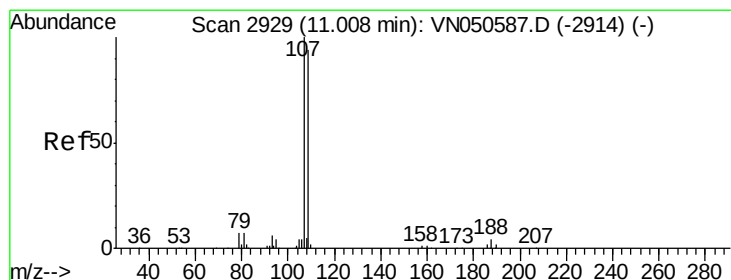
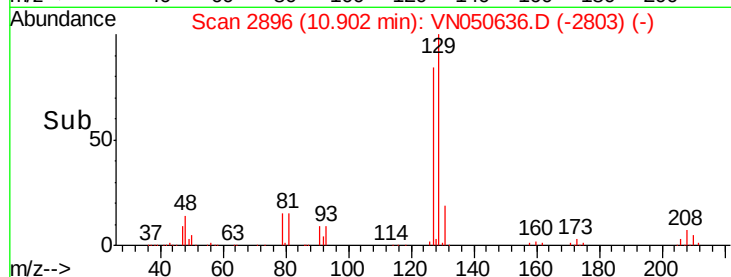
0

10.80

10.90

11.00

Time-->



#61

1,2-Dibromoethane

Concen: 49.67 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050636.D

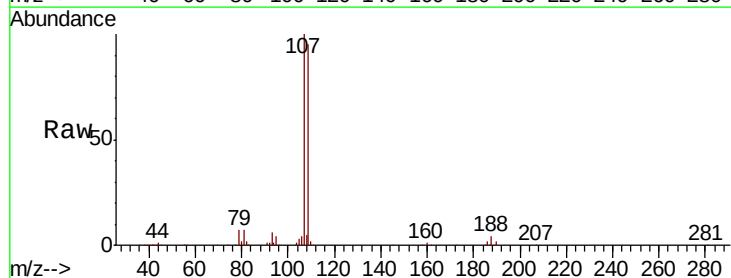
Acq: 15 Aug 2018 5:59

Tgt Ion:107 Resp: 333156

Ion Ratio Lower Upper

107 100

109 95.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

200000

150000

100000

50000

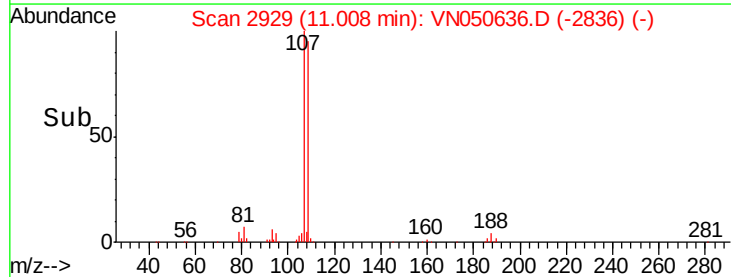
0

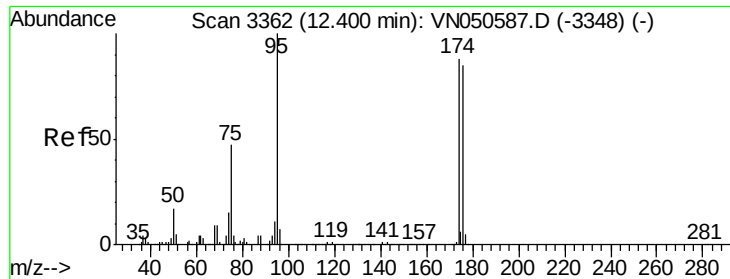
10.90

11.00

11.10

Time-->





#62

4-Bromofluorobenzene

Concen: 50.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

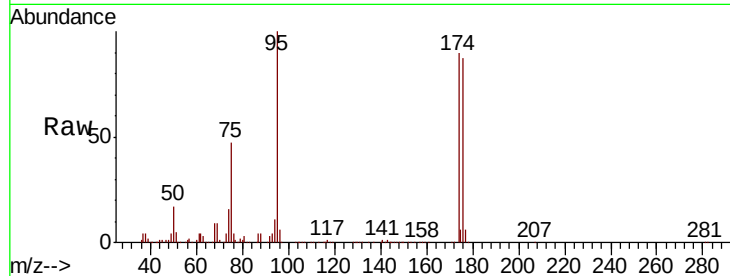
ClientSampleId :

944-MW-05(17)MS

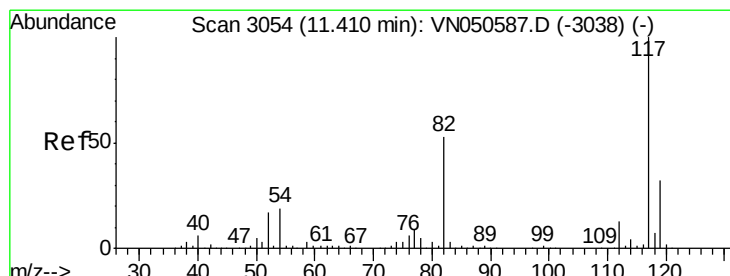
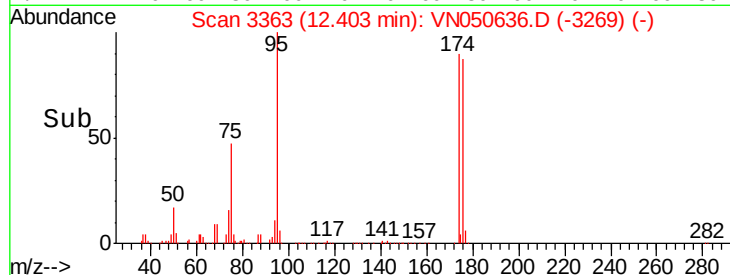
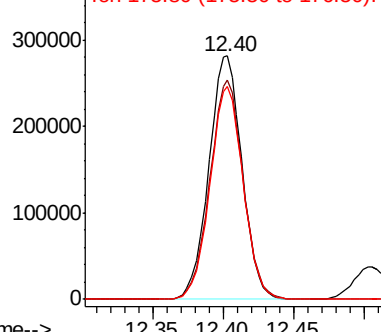
Tot Ion:	95	Resp:	463354
Ion Ratio	Lower	Upper	
95	100		
174	89.9	0.0	177.8
176	87.3	0.0	175.0

Manual Integrations
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Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

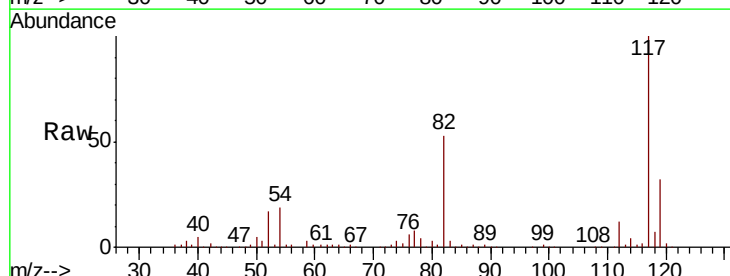
RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

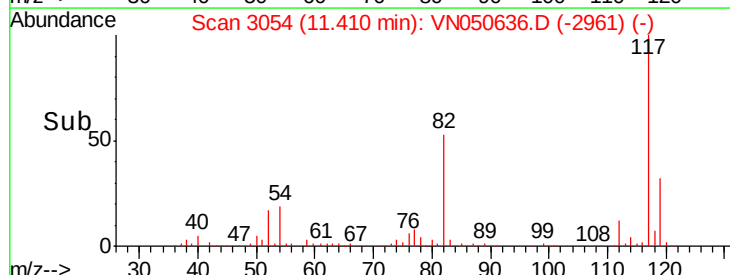
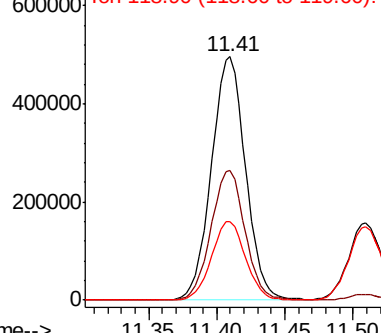
Lab File: VN050636.D

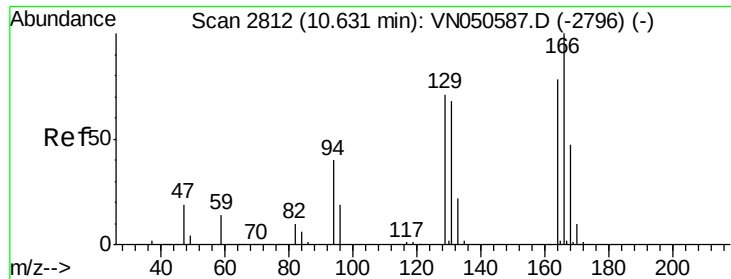
Acq: 15 Aug 2018 5:59

Tgt Ion:	117	Resp:	861443
Ion Ratio	Lower	Upper	
117	100		
82	53.3	42.4	63.6
119	32.5	25.8	38.8



Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)





#64

Tetrachloroethene

Concen: 95.76 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion:164 Resp: 766062

Ion Ratio Lower Upper

164 100

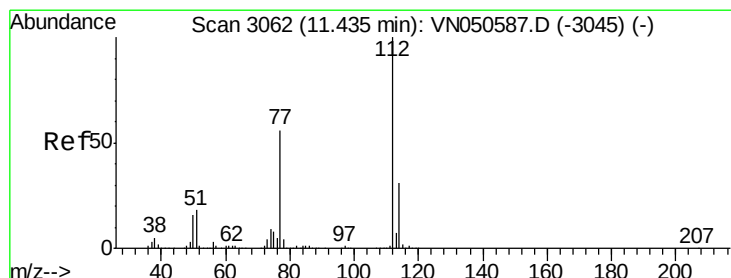
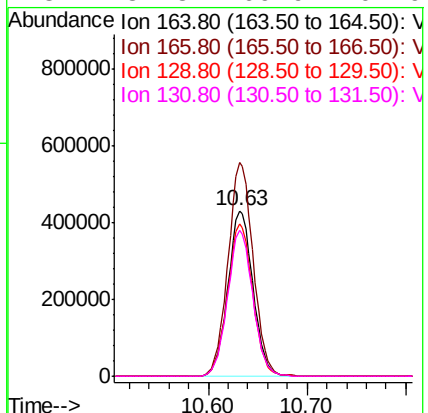
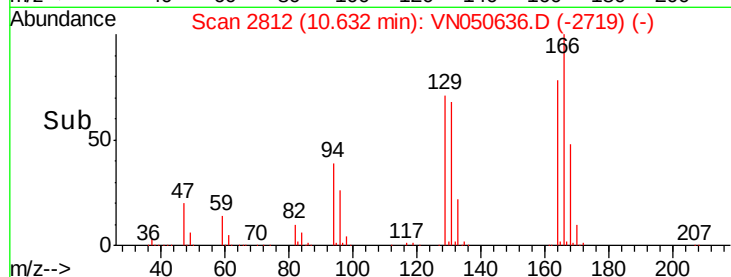
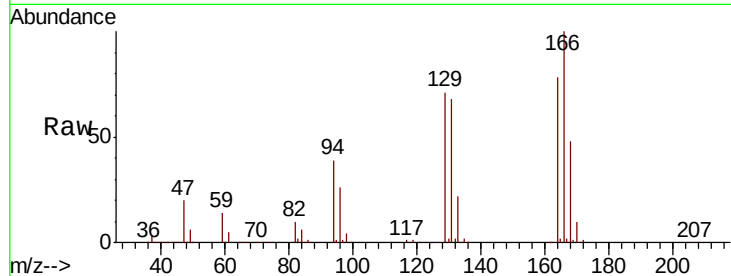
166 128.9 102.1 153.1

129 91.9 72.7 109.1

131 87.8 69.9 104.9

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#65

Chlorobenzene

Concen: 48.52 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050636.D

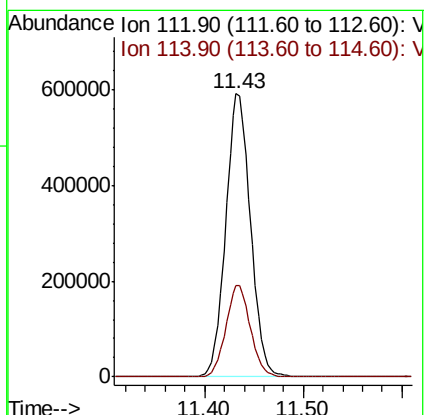
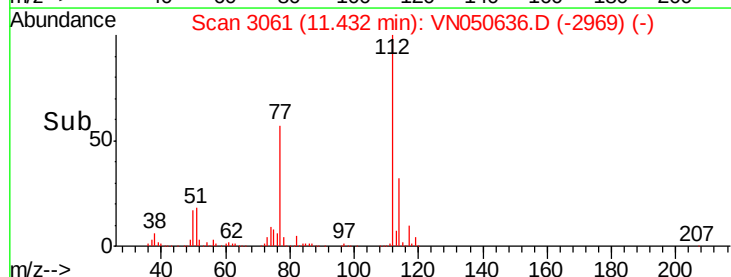
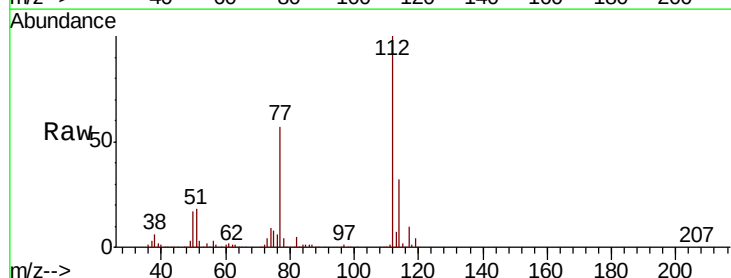
Acq: 15 Aug 2018 5:59

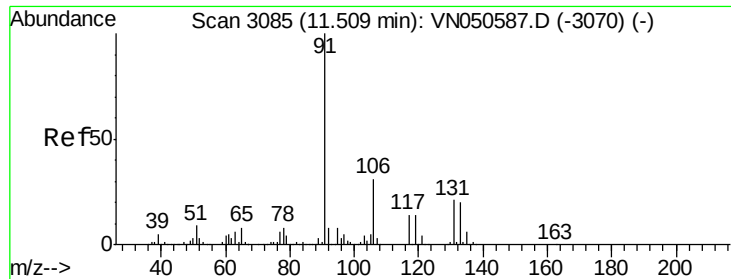
Tgt Ion:112 Resp: 1040237

Ion Ratio Lower Upper

112 100

114 32.3 25.2 37.8





#66

1,1,1,2-Tetrachloroethane

Concen: 48.48 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

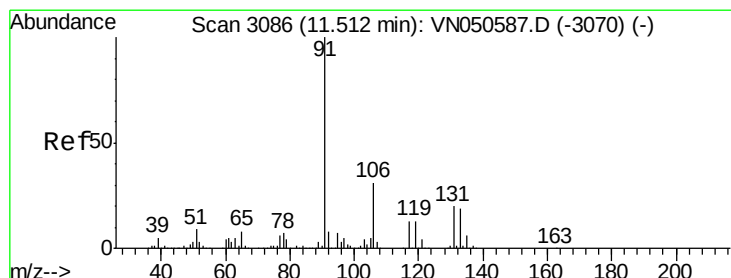
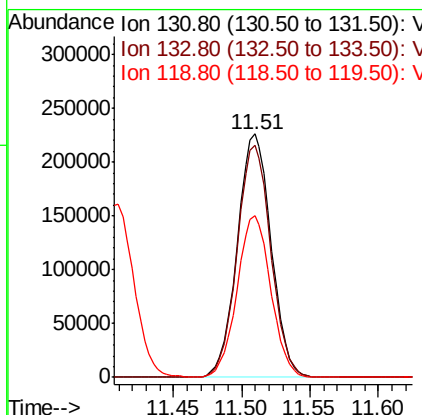
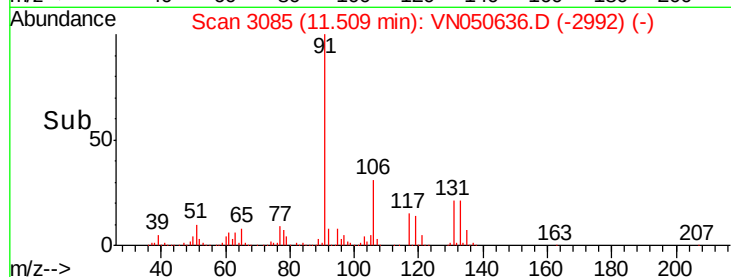
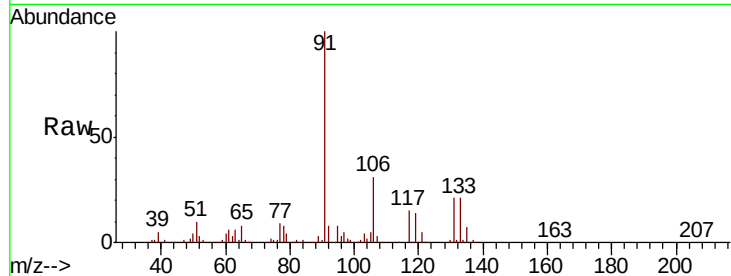
ClientSampleId :

944-MW-05(17)MS

Tot Ion:	131	Resp:	389615
Ion Ratio	Lower	Upper	
131	100		
133	95.1	47.6	142.9
119	66.3	33.1	99.3

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#67

Ethyl Benzene

Concen: 51.42 ug/l

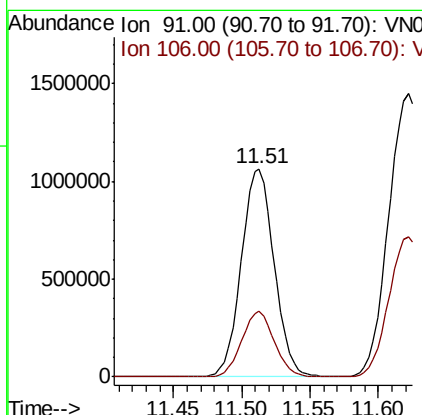
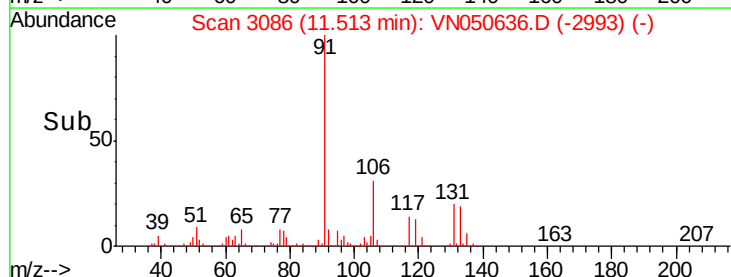
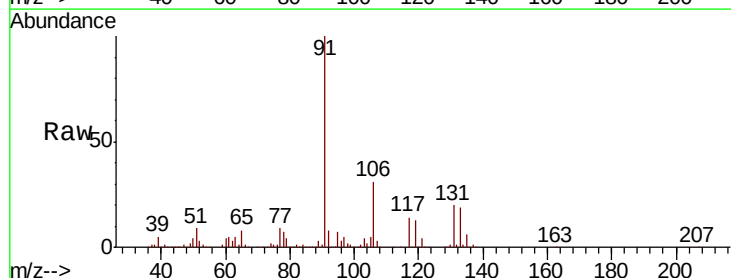
RT: 11.51 min Scan# 3086

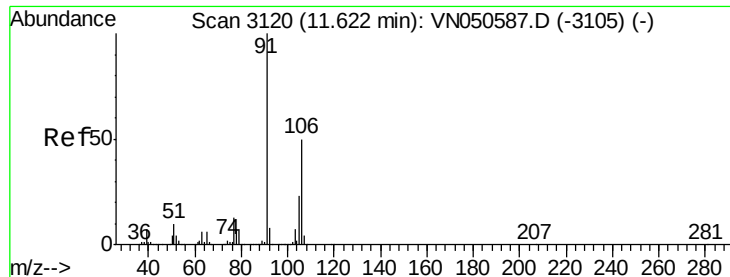
Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Tgt Ion:	91	Resp:	1779937
Ion Ratio	Lower	Upper	
91	100		
106	31.3	24.8	37.2





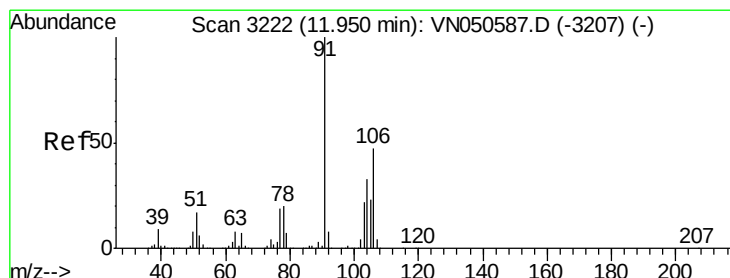
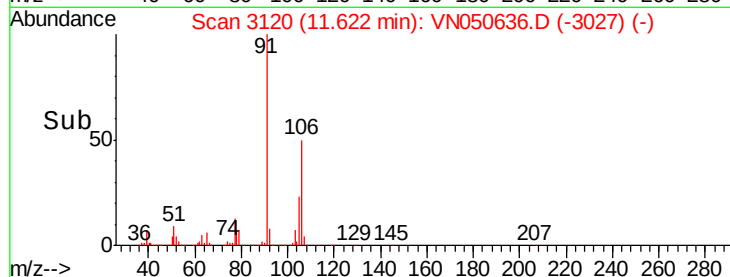
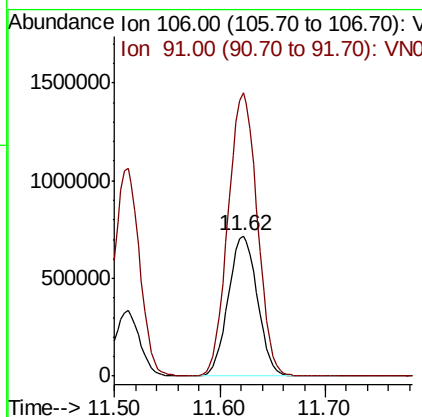
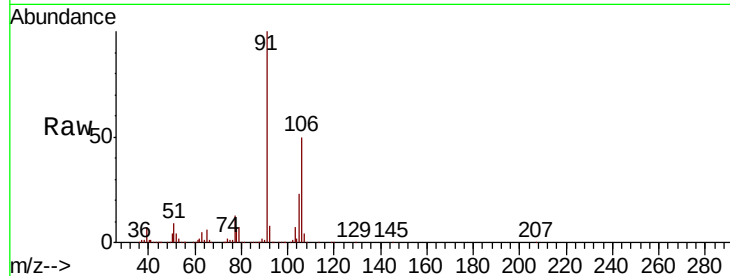
#68
m/p-Xylenes
Concen: 103.29 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)MS

Tot Ion:106 Resp: 1367535
Ion Ratio Lower Upper
106 100
91 203.3 161.5 242.3

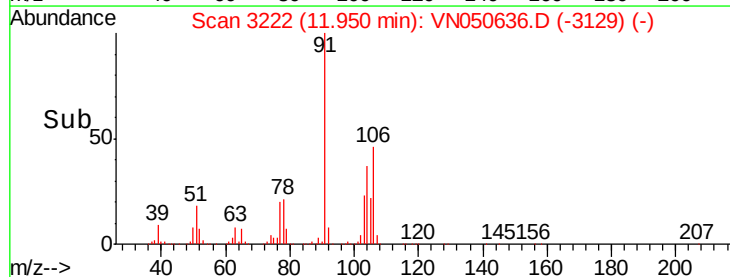
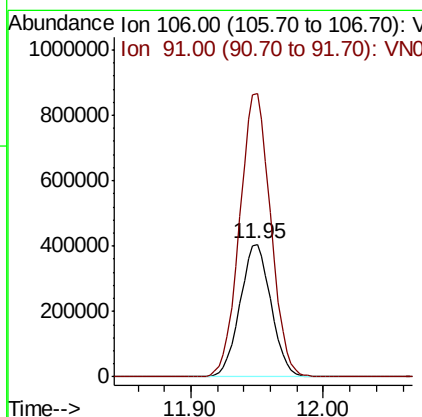
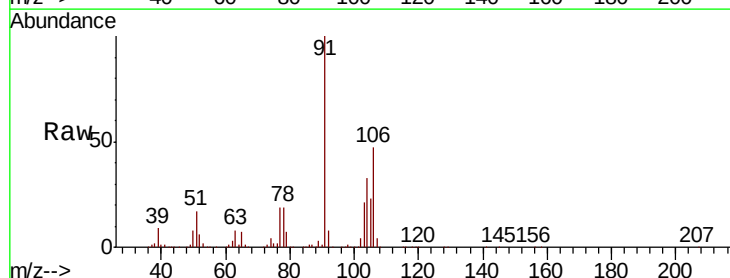
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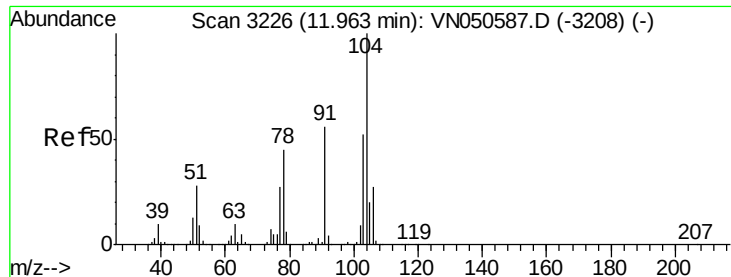
MMDadoda
8/15/2018 3:32:45 PM



#69
o-Xylene
Concen: 52.14 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Tgt Ion:106 Resp: 658280
Ion Ratio Lower Upper
106 100
91 214.3 106.8 320.4





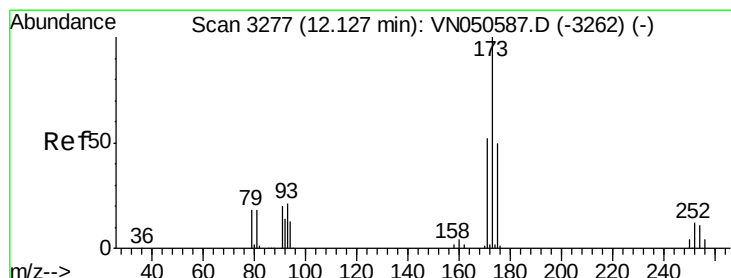
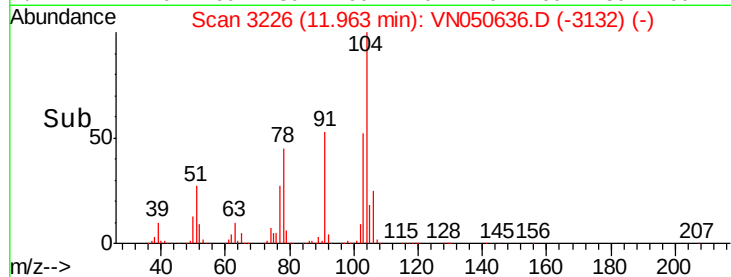
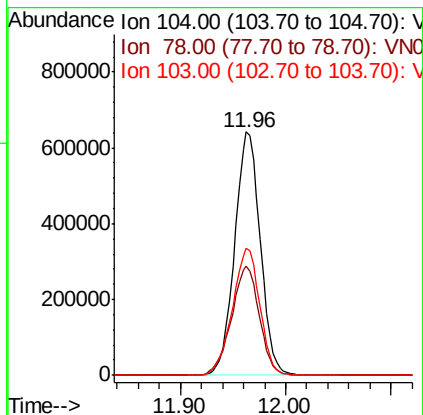
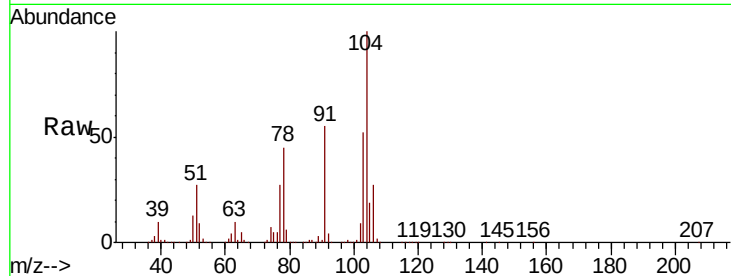
#70
Stvrene
Concen: 48.06 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.1	58.7
103	55.8	44.9	67.3

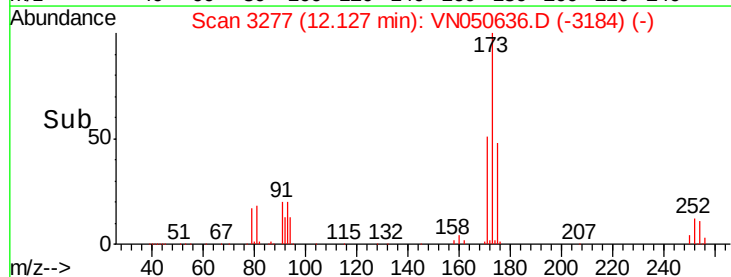
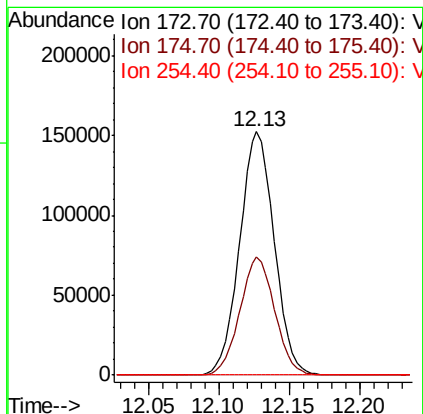
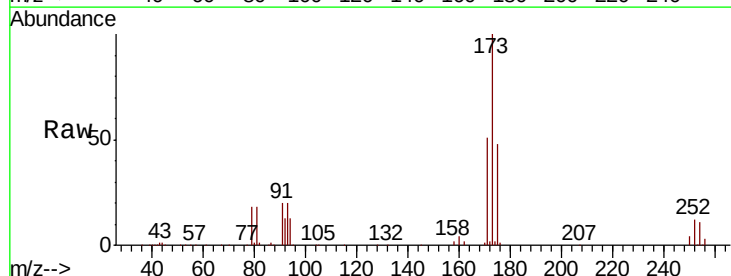
Manual Integrations
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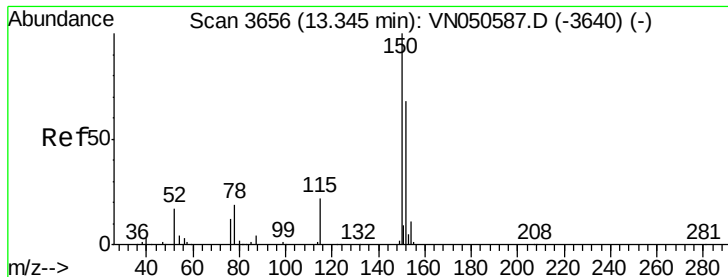
MMDadoda
8/15/2018 3:32:45 PM



#71
Bromoform
Concen: 49.14 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.1	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion:152 Resp: 445835

Ion Ratio Lower Upper

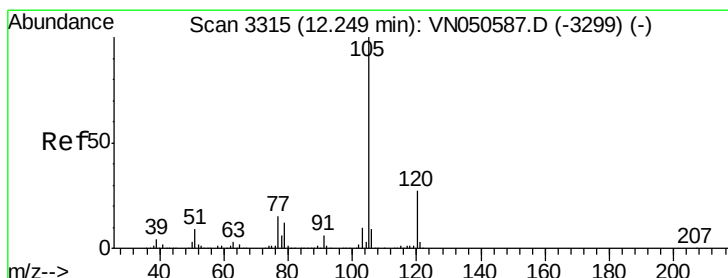
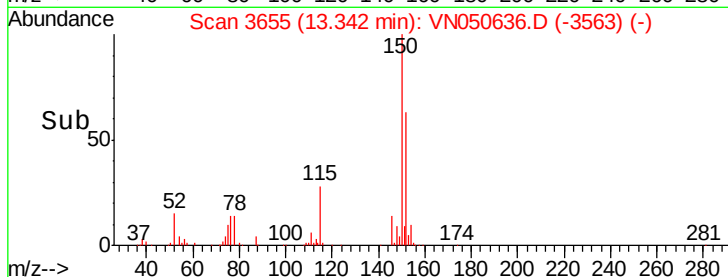
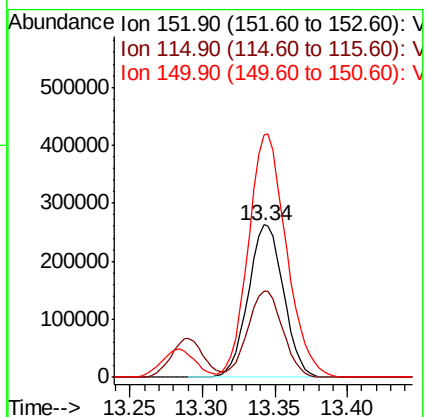
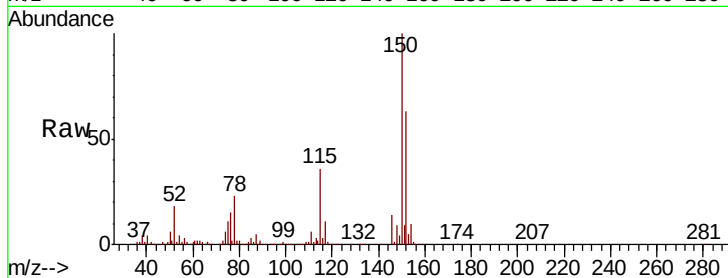
152 100

115 56.2 28.1 84.2

150 171.7 0.0 347.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 49.64 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050636.D

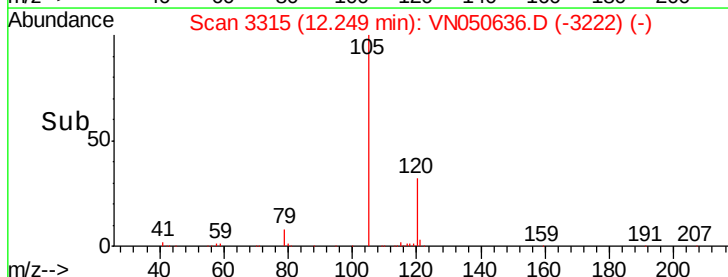
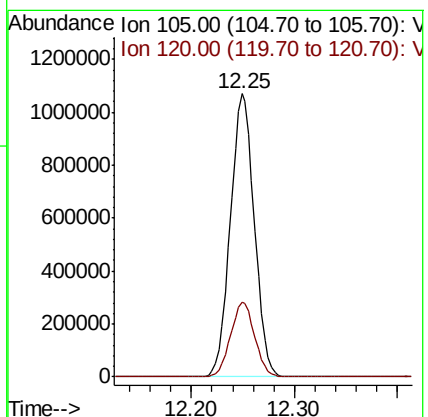
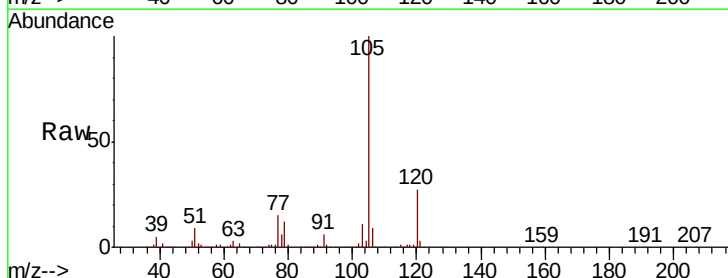
Acq: 15 Aug 2018 5:59

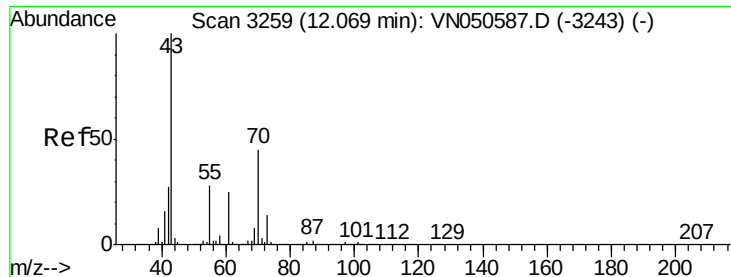
Tgt Ion:105 Resp: 1729011

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1





#74

N-amyl acetate

Concen: 43.54 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

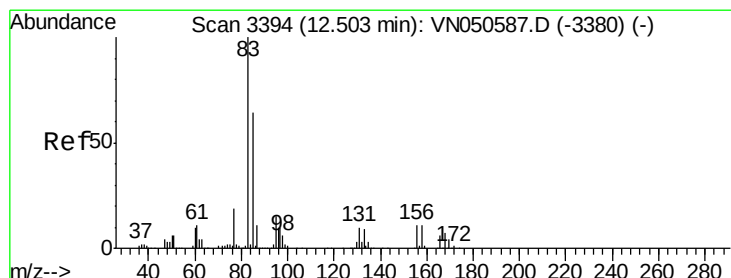
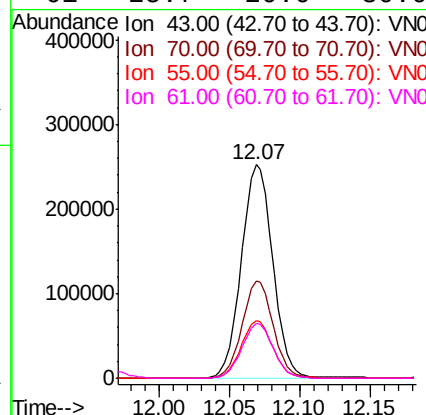
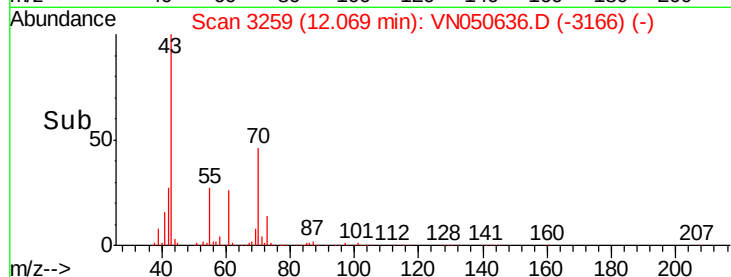
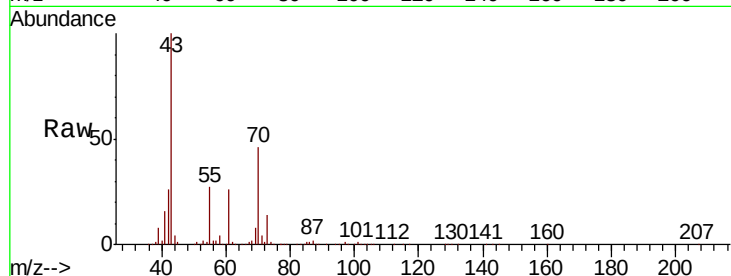
ClientSampleId :

944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	45.0	35.9	53.9
55	27.2	22.2	33.4
61	25.7	20.0	30.0

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 51.56 ug/l

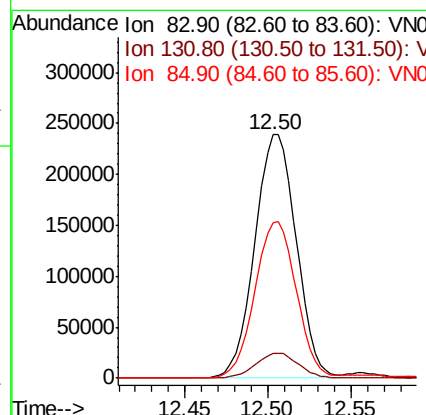
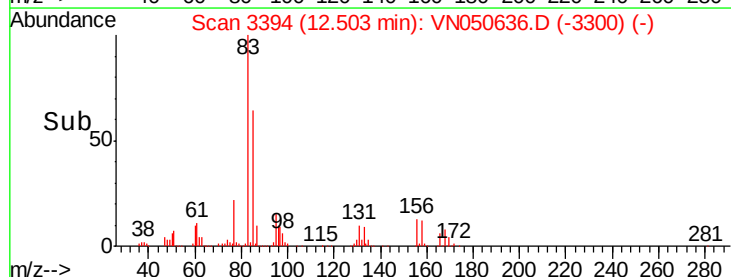
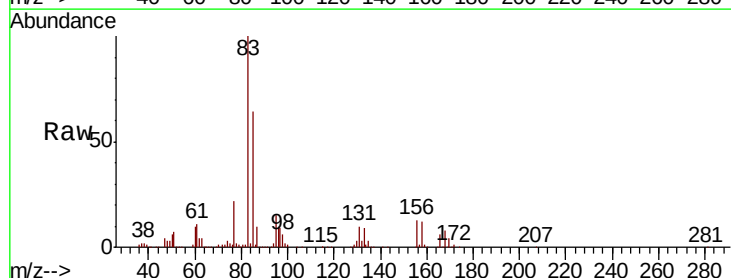
RT: 12.50 min Scan# 3394

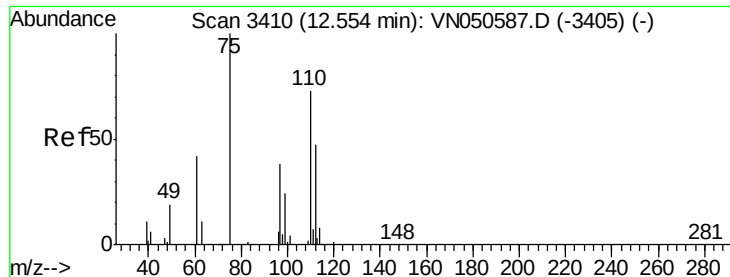
Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	64.1	32.1	96.5





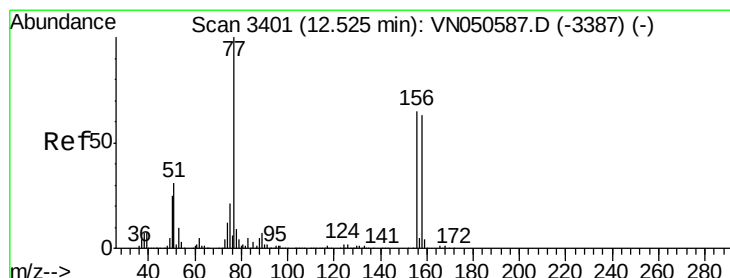
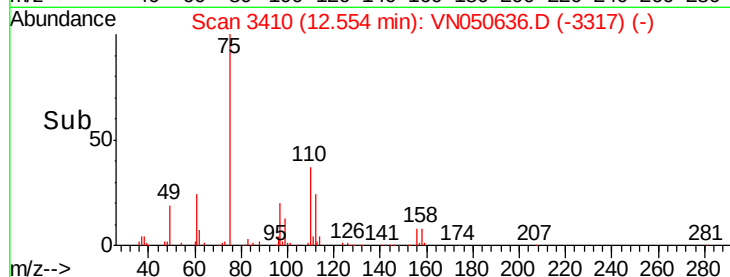
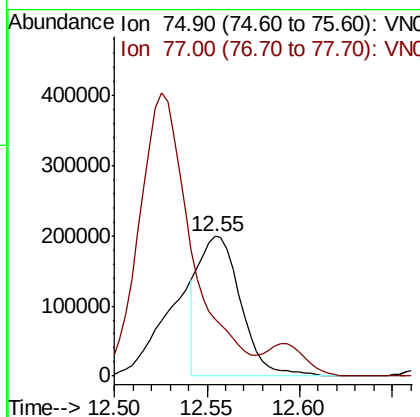
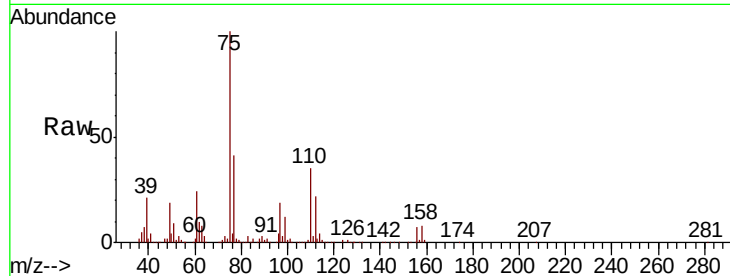
#76
 1,2,3-Trichloropropane
 Concen: 43.55 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

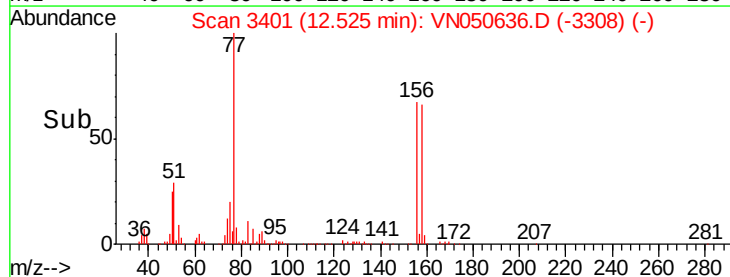
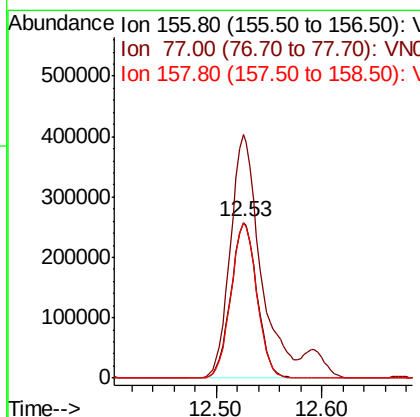
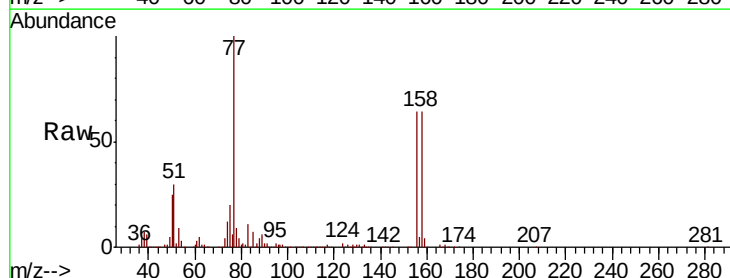
Manual Integrations
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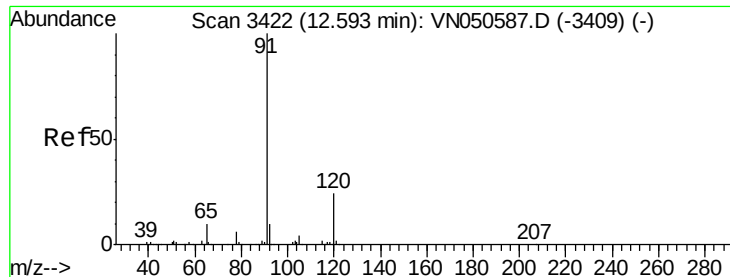
MMDadoda
 8/15/2018 3:32:45 PM



#77
 Bromobenzene
 Concen: 46.90 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
156	100		
77	179.0	89.0	267.1
158	97.8	48.5	145.6





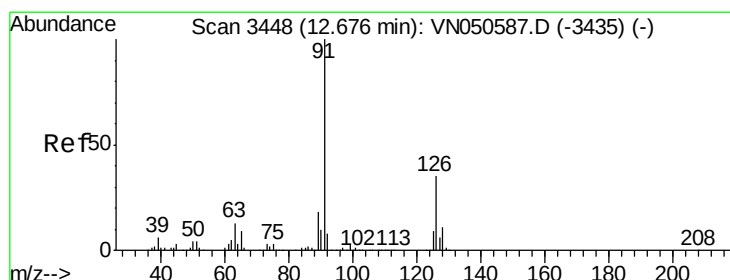
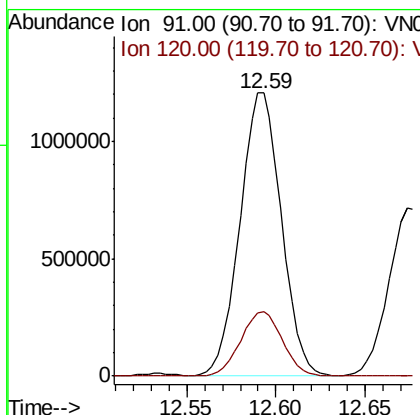
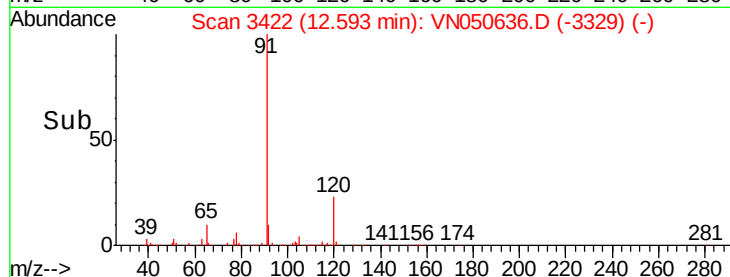
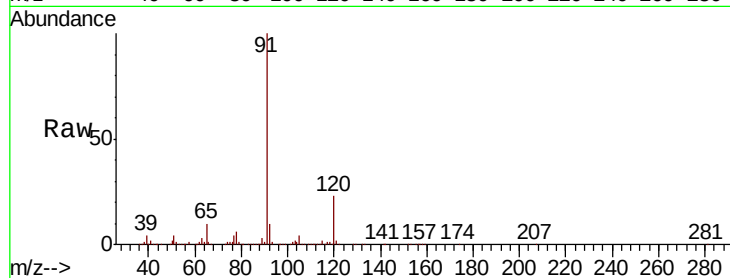
#78
n-propylbenzene
Concen: 50.12 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)MS

Tot Ion: 91 Resp: 1946902
Ion Ratio Lower Upper
91 100
120 23.1 11.8 35.4

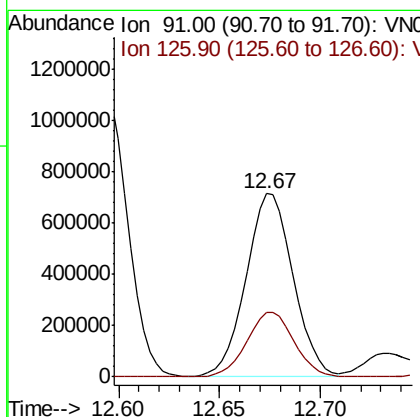
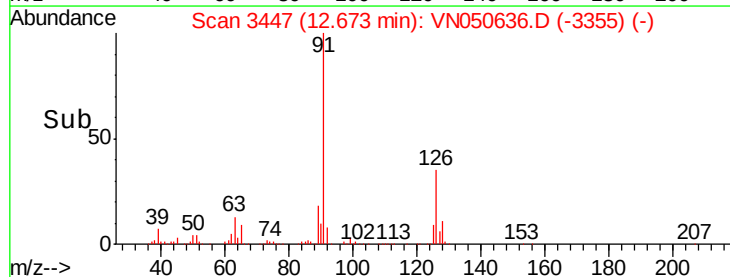
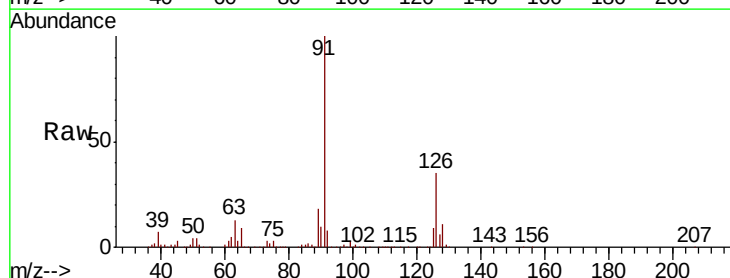
Manual Integrations
APPROVED

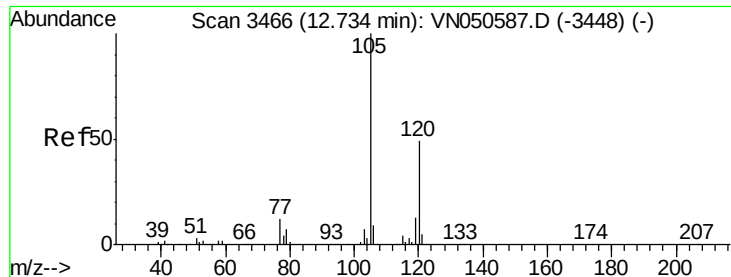
MMDadoda
8/15/2018 3:32:45 PM



#79
2-Chlorotoluene
Concen: 48.15 ug/l
RT: 12.67 min Scan# 3447
Delta R.T. -0.00 min
Lab File: VN050636.D
Acq: 15 Aug 2018 5:59

Tgt Ion: 91 Resp: 1165977
Ion Ratio Lower Upper
91 100
126 35.8 17.6 52.8





#80

1,3,5-Trimethylbenzene

Concen: 50.73 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion:105 Resp: 1414826

Ion Ratio Lower Upper

105 100

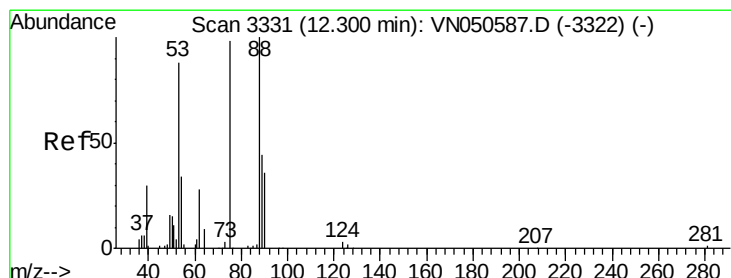
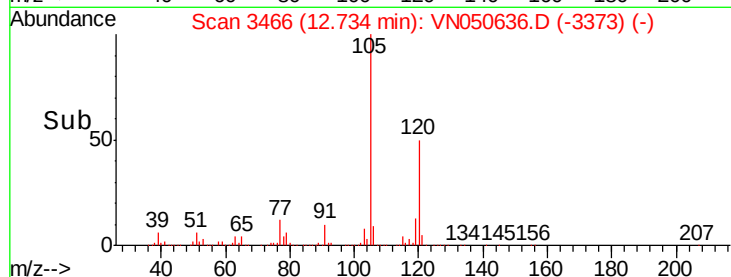
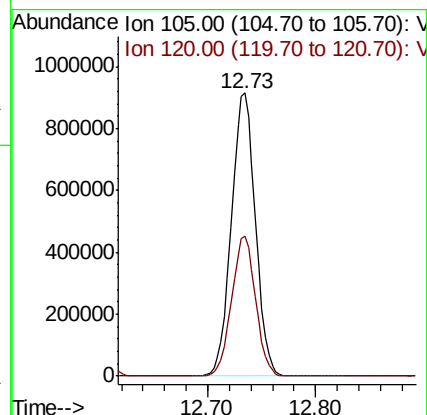
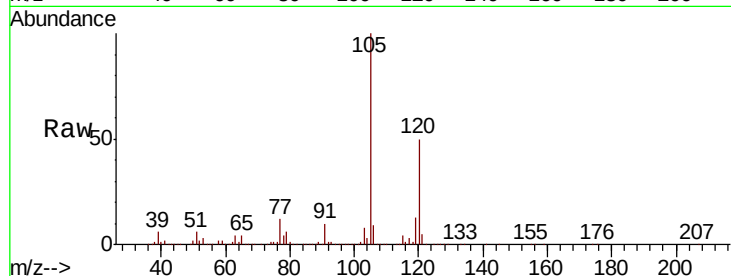
120 49.3 24.7 74.1

Manual Integrations

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8/15/2018 3:32:45 PM



#81

trans-1,4-Dichloro-2-butene

Concen: 44.52 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

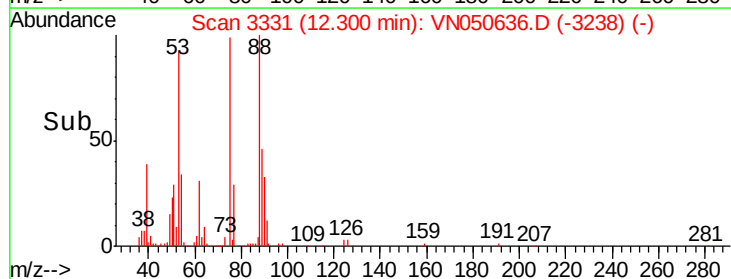
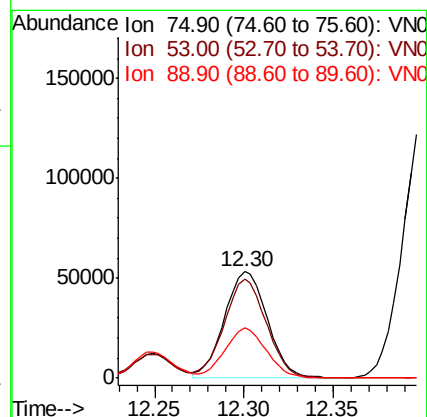
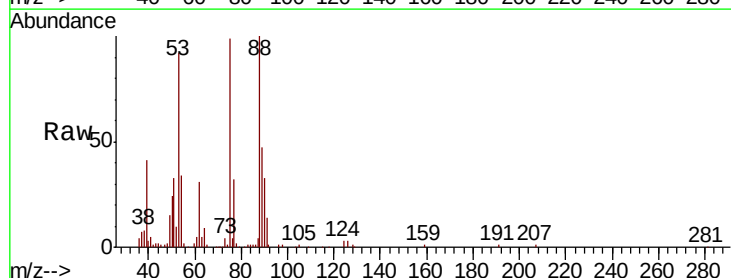
Tgt Ion: 75 Resp: 89288

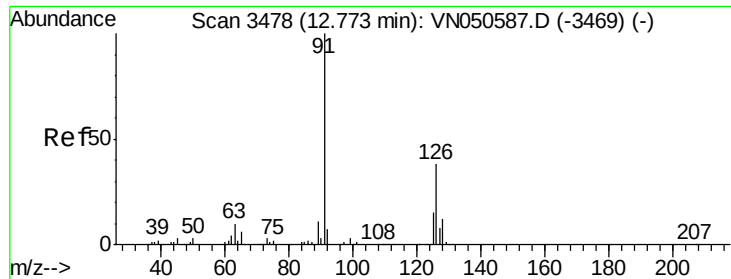
Ion Ratio Lower Upper

75 100

53 91.5 72.2 108.2

89 45.4 36.3 54.5





#82

4-Chlorotoluene

Concen: 49.35 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion: 91 Resp: 1181089

Ion Ratio Lower Upper

91 100

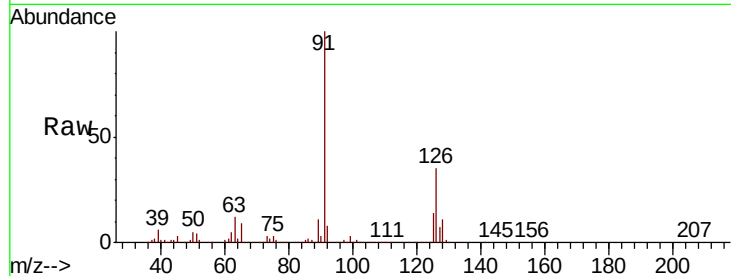
126 34.5 17.3 52.0

Manual Integrations

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8/15/2018 3:32:45 PM



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3469) (-)

Ion 125.90 (125.60 to 126.60): VN050587.D (-3469) (-)

12.77

800000

600000

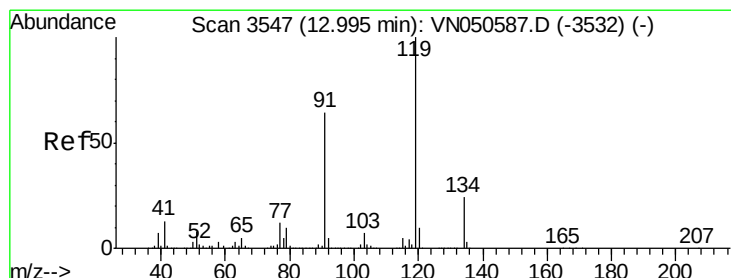
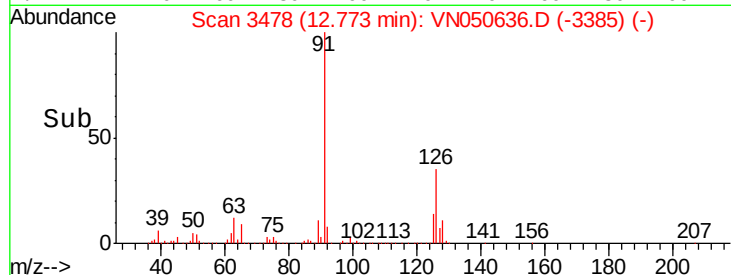
400000

200000

0

12.70 12.75 12.80 12.85

Time-->



#83

tert-Butylbenzene

Concen: 49.15 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

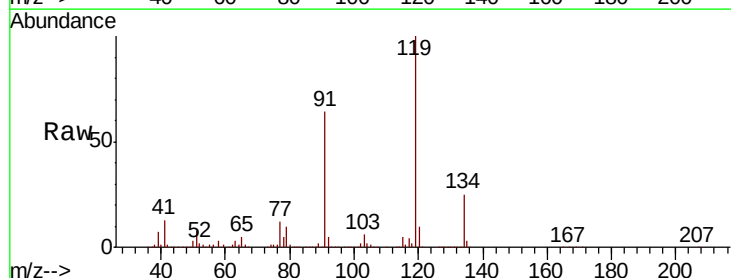
Tgt Ion: 119 Resp: 1190003

Ion Ratio Lower Upper

119 100

91 63.5 32.2 96.6

134 24.8 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): VN050587.D (-3532) (-)

Ion 91.00 (90.70 to 91.70): VN050587.D (-3532) (-)

Ion 134.00 (133.70 to 134.70): VN050587.D (-3532) (-)

12.99

1000000

800000

600000

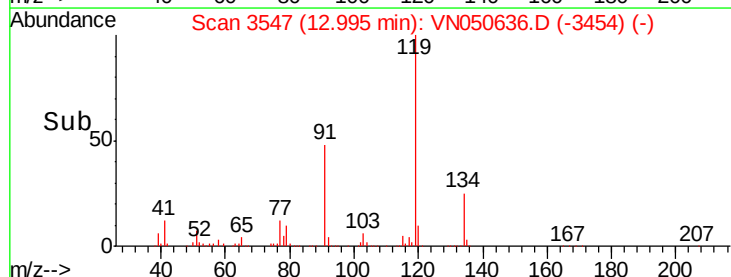
400000

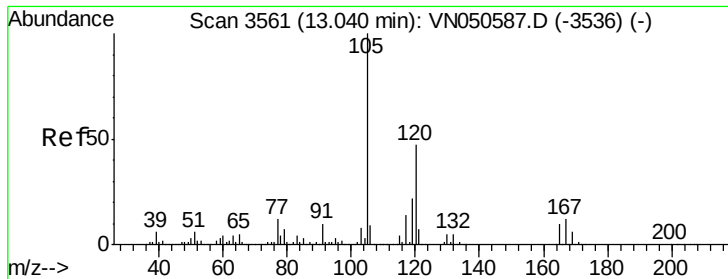
200000

0

12.95 13.00

Time-->





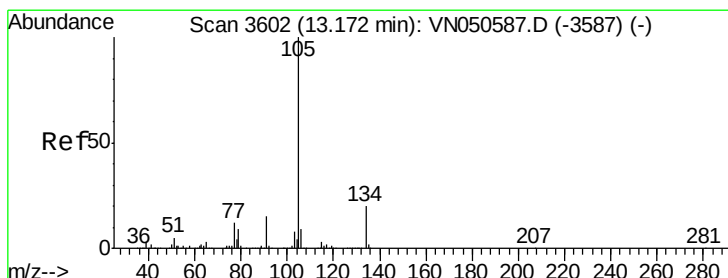
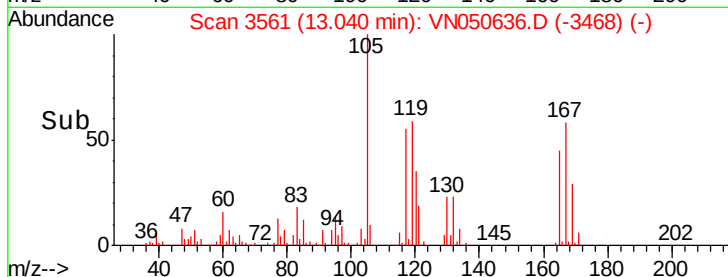
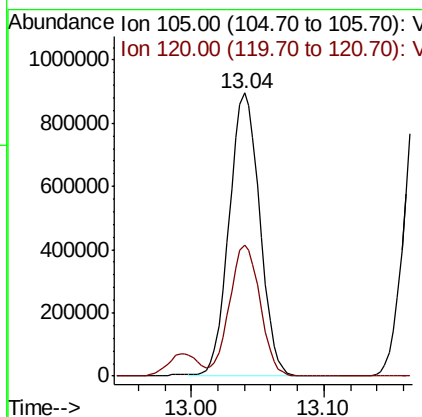
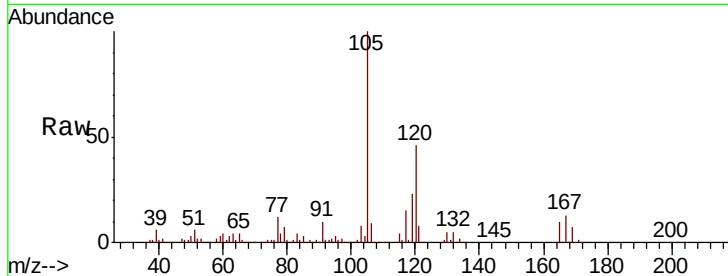
#84
 1,2,4-Trimethylbenzene
 Concen: 51.13 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion:105 Resp: 1431381
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.5

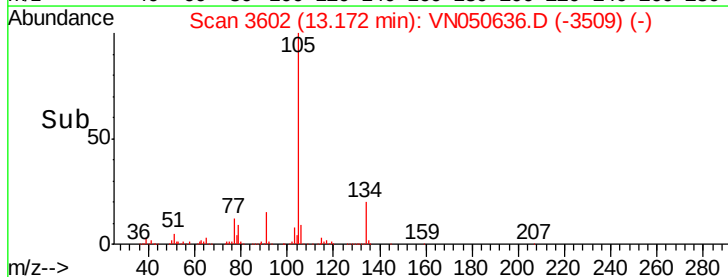
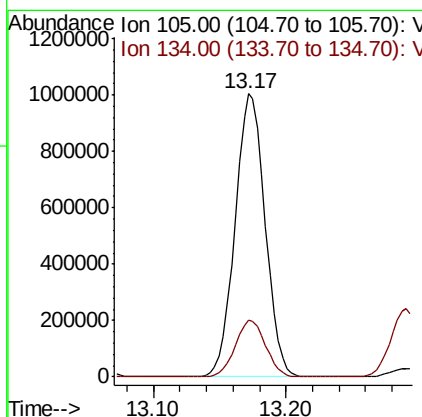
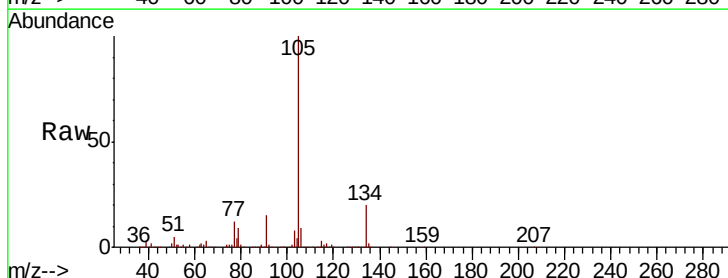
Manual Integrations
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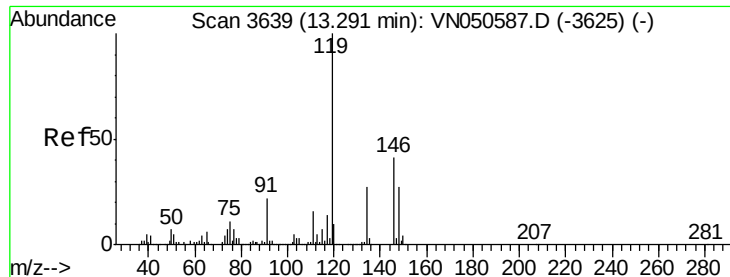
MMDadoda
 8/15/2018 3:32:45 PM



#85
 sec-Butylbenzene
 Concen: 49.65 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion:105 Resp: 1570848
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3





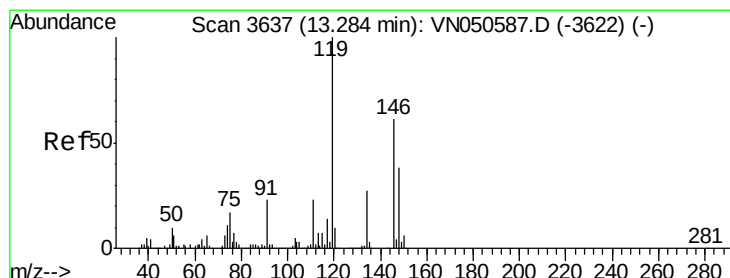
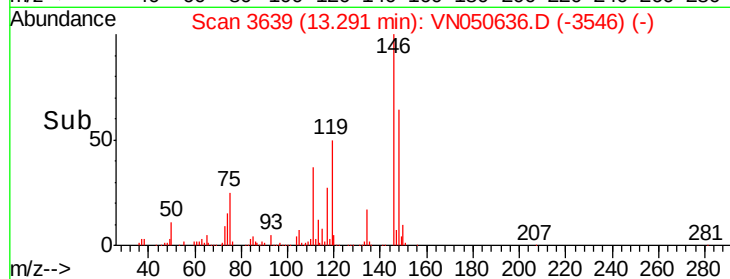
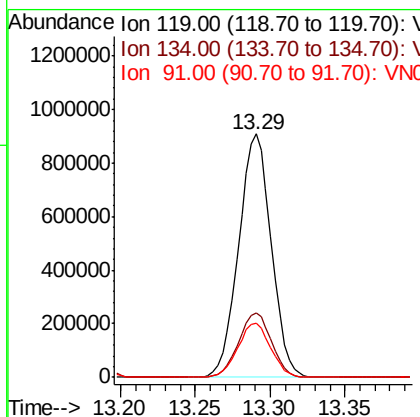
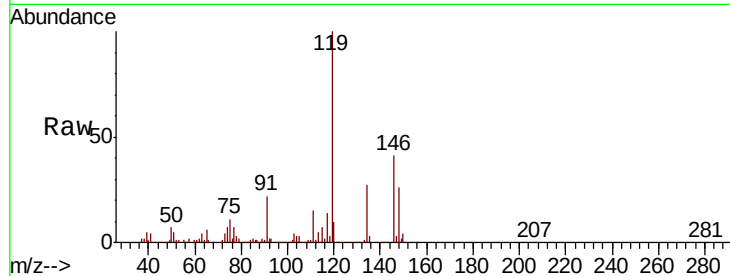
#86
 p-Isopropyltoluene
 Concen: 51.18 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	22.4	11.2	33.6

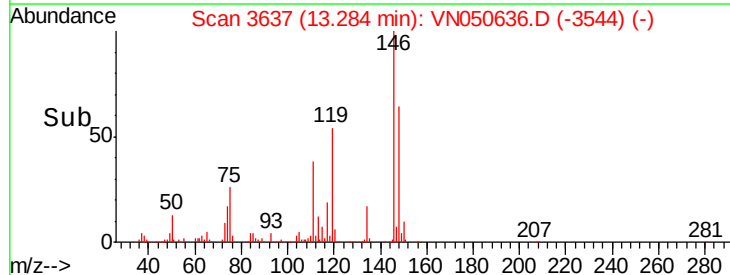
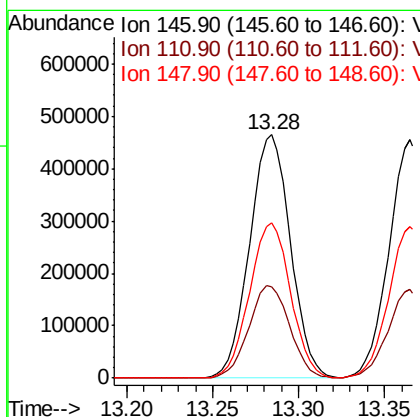
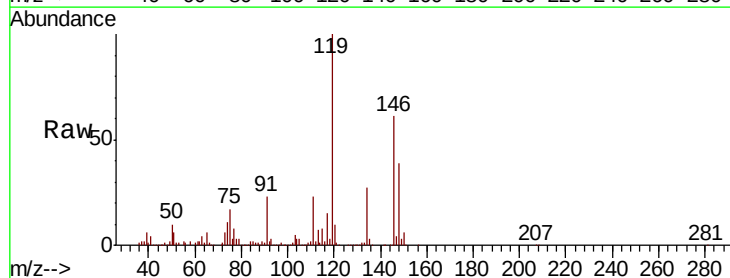
Manual Integrations
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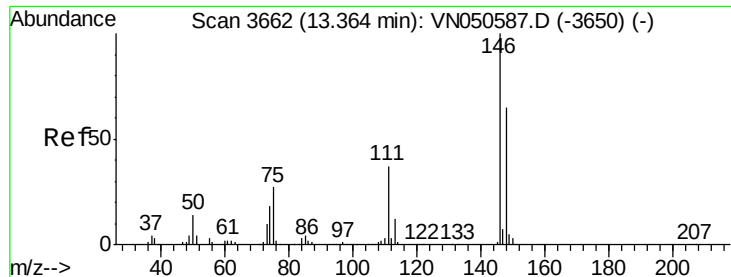
MMDadoda
 8/15/2018 3:32:45 PM



#87
 1,3-Dichlorobenzene
 Concen: 47.60 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.2	57.6
148	63.9	31.9	95.7





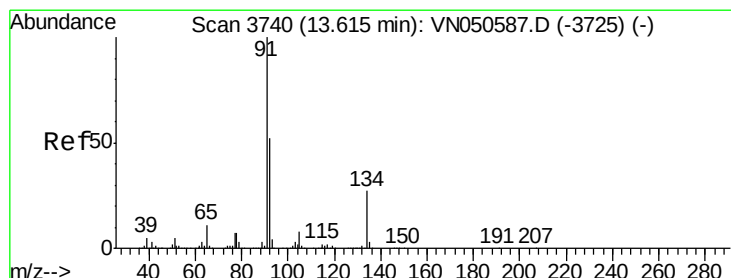
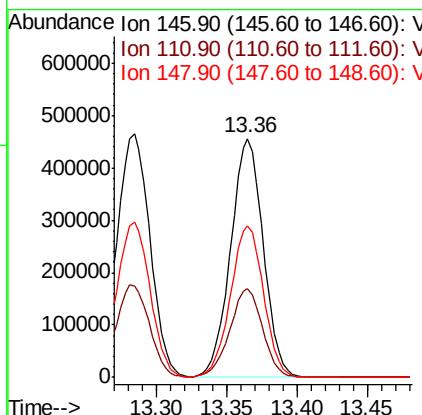
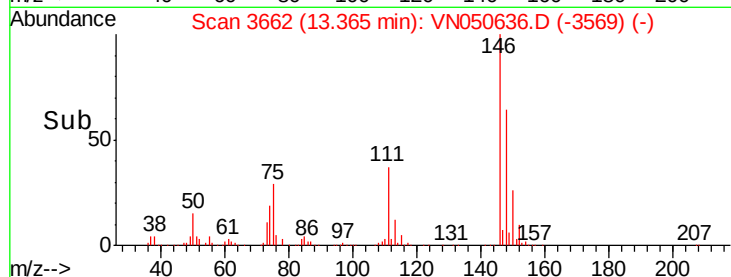
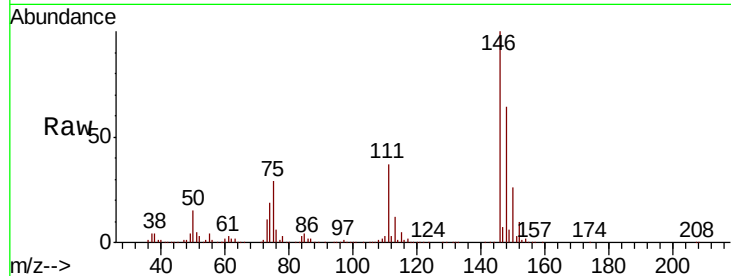
#88
 1,4-Dichlorobenzene
 Concen: 46.16 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	64.3	32.3	96.8

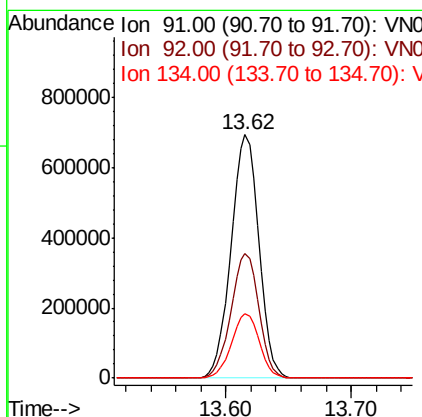
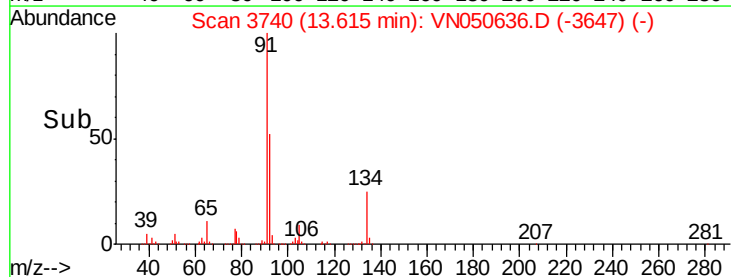
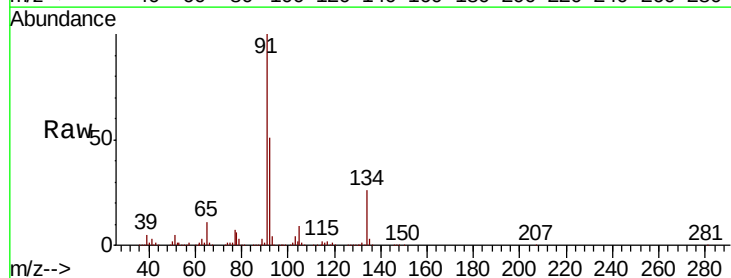
Manual Integrations
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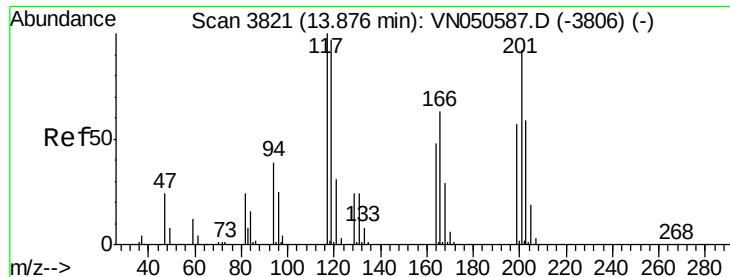
MMDadoda
 8/15/2018 3:32:45 PM



#89
 n-Butylbenzene
 Concen: 49.20 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.3	78.8
134	26.4	13.3	39.9





#90

Hexachloroethane

Concen: 45.57 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

ClientSampleId :

944-MW-05(17)MS

Tot Ion:117 Resp: 245654

Ion Ratio Lower Upper

117 100

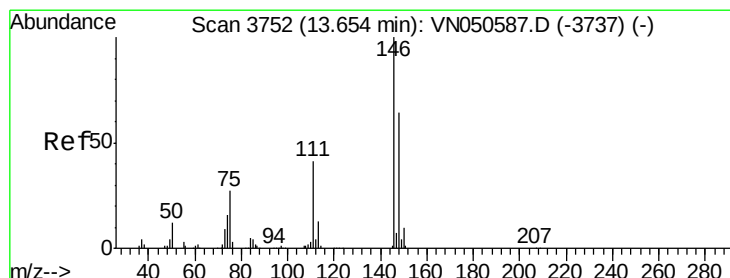
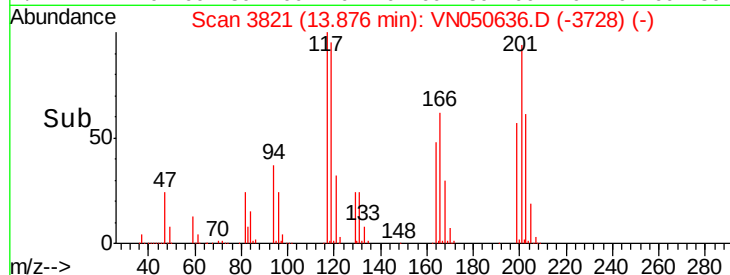
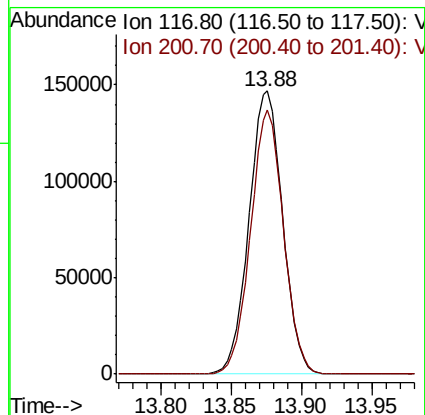
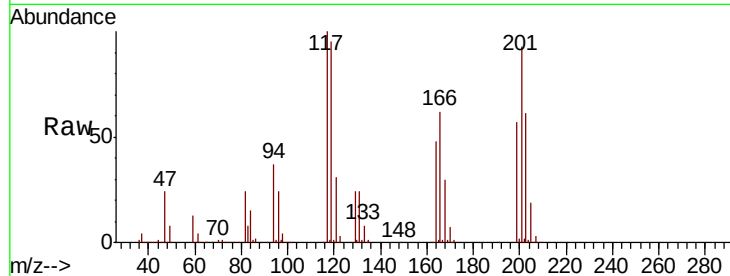
201 91.0 45.5 136.5

Manual Integrations

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8/15/2018 3:32:45 PM



#91

1,2-Dichlorobenzene

Concen: 47.39 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

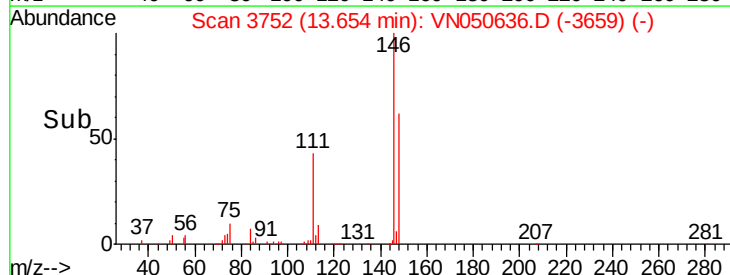
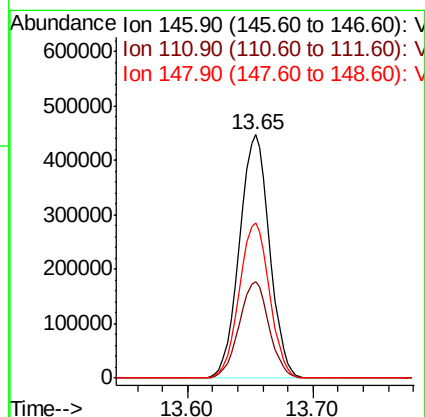
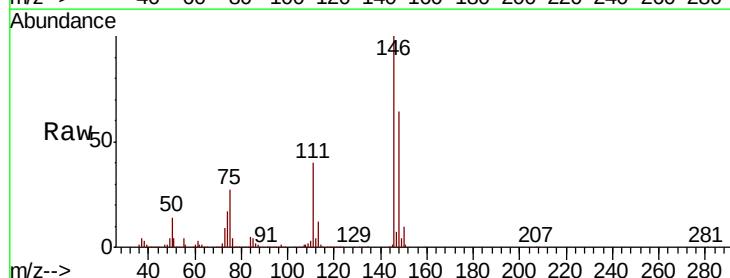
Tgt Ion:146 Resp: 744365

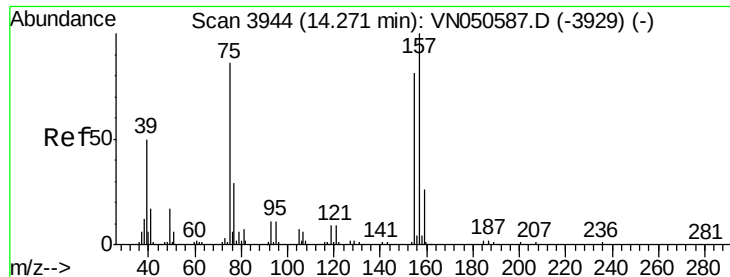
Ion Ratio Lower Upper

146 100

111 39.4 19.8 59.4

148 64.2 32.3 96.8





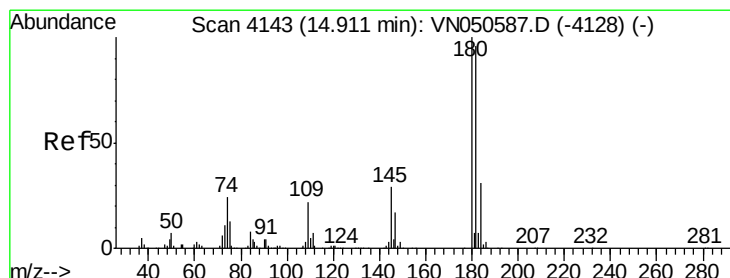
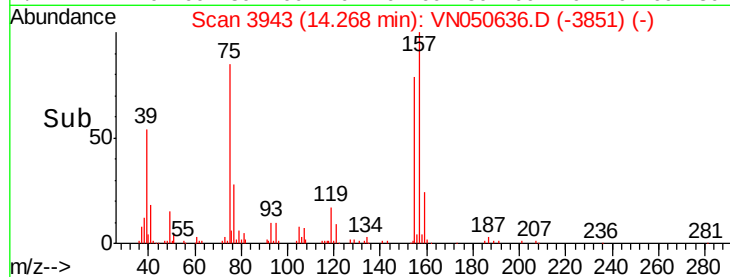
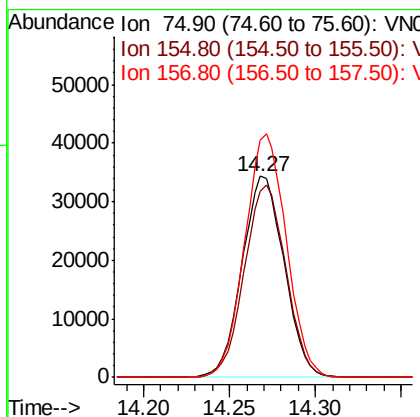
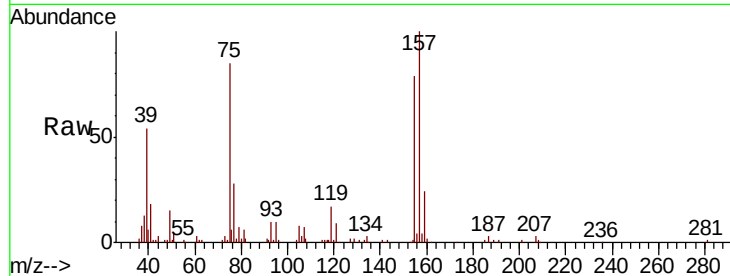
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.96 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion:	75	Resp:	58362
Ion Ratio	Lower	Upper	
75	100		
155	94.4	46.6	139.8
157	119.6	58.1	174.2

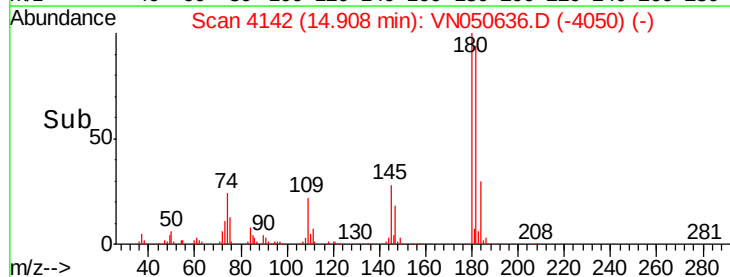
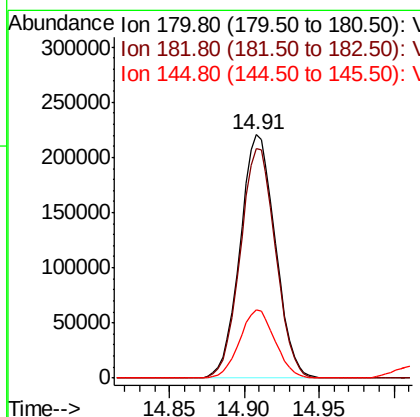
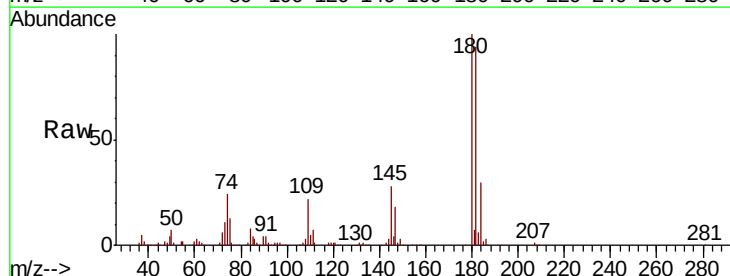
Manual Integrations
 APPROVED

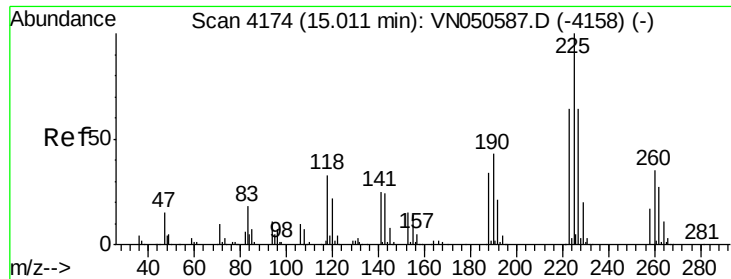
MMDadoda
 8/15/2018 3:32:45 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 45.09 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion:	180	Resp:	361254
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.9	143.7
145	28.0	14.4	43.4





#94

Hexachlorobutadiene

Concen: 43.70 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. 0.00 min

Lab File: VN050636.D

Acq: 15 Aug 2018 5:59

Instrument :

MSVOA_N

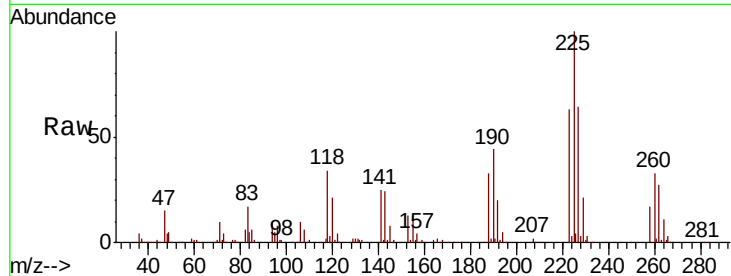
ClientSampleId :

944-MW-05(17)MS

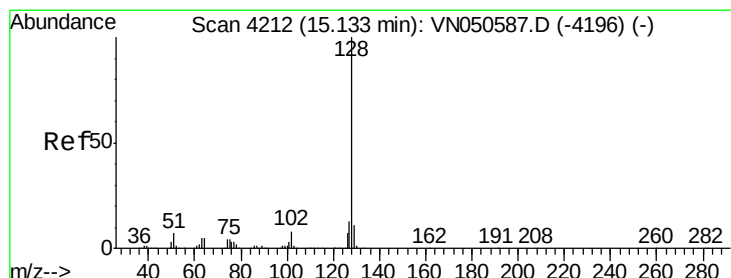
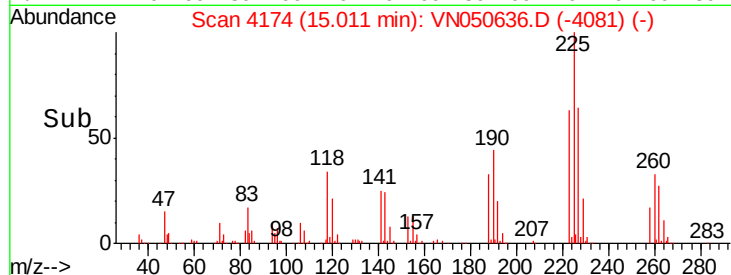
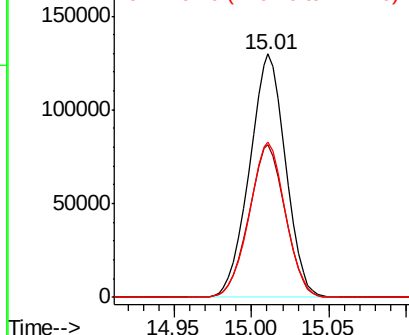
Tot Ion:	225	Resp:	210426
Ion Ratio	Lower	Upper	
225	100		
223	63.1	32.1	96.3
227	63.8	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:32:45 PM



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



#95

Naphthalene

Concen: 43.88 ug/l

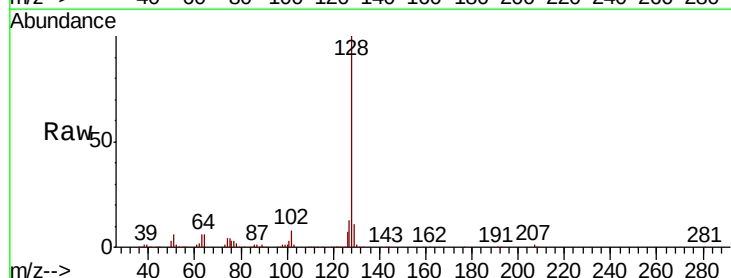
RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

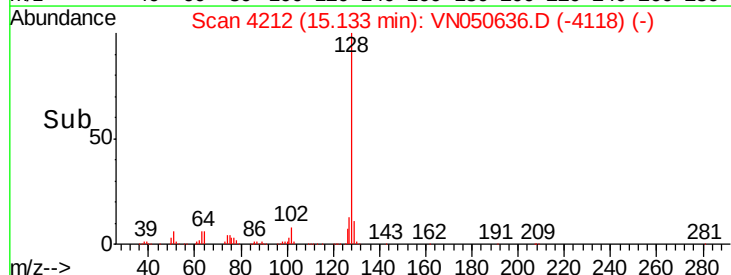
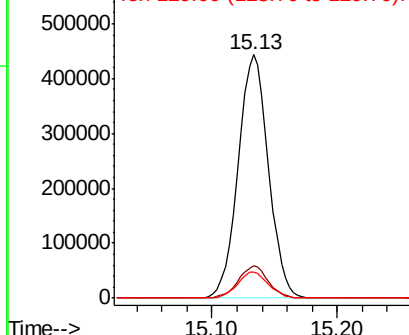
Lab File: VN050636.D

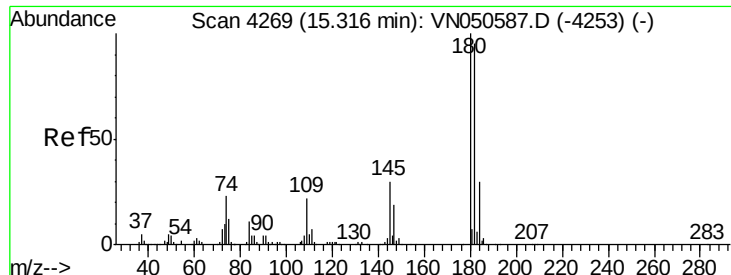
Acq: 15 Aug 2018 5:59

Tgt Ion:	128	Resp:	743744
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.9	8.5	12.7



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





#96
 1,2,3-Trichlorobenzene
 Concen: 46.17 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Tot Ion:	180	Resp:	346476
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.3	141.8
145	29.5	14.6	44.0

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:45 PM

