

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
 Data File : VN050840.D
 Acq On : 23 Aug 2018 9:51
 Operator : MD\SY
 Sample : VN0823WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 10:40:42 AM

Quant Time: Aug 24 01:45:23 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	647707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	931992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	837911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	391247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	386433	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	7.59	113	372334	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.09	98	1376803	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.40	95	434433	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	191443	22.09	ug/l	99
3) Chloromethane	2.06	50	203865	19.07	ug/l	99
4) Vinyl Chloride	2.19	62	207085	20.45	ug/l	98
5) Bromomethane	2.57	94	111851	18.76	ug/l	100
6) Chloroethane	2.70	64	116075	19.84	ug/l	98
7) Trichlorofluoromethane	3.01	101	261807	20.19	ug/l	100
8) Diethyl Ether	3.41	74	89741	20.35	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	164028	20.24	ug/l	99
10) Methyl Iodide	3.95	142	106704	19.44	ug/l	99
11) Tert butyl alcohol	4.79	59	47955	96.58	ug/l	98
12) 1,1-Dichloroethene	3.74	96	148924	20.47	ug/l	97
13) Acrolein	3.61	56	22428	89.72	ug/l	99
14) Allyl chloride	4.32	41	223401	19.71	ug/l	99
15) Acrylonitrile	4.99	53	247438	98.06	ug/l	99
16) Acetone	3.82	43	184326	95.46	ug/l	99
17) Carbon Disulfide	4.05	76	448792	18.40	ug/l	99
18) Methyl Acetate	4.33	43	140465	19.08	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	375270	20.51	ug/l	99
20) Methylene Chloride	4.55	84	170982	19.46	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	154035	19.58	ug/l	95
22) Diisopropyl ether	5.96	45	479481	21.22	ug/l	97
23) Vinyl Acetate	5.90	43	1474922	101.38	ug/l	99
24) 1,1-Dichloroethane	5.85	63	292134	20.14	ug/l	99
25) 2-Butanone	6.84	43	277573	88.33	ug/l	100
26) 2,2-Dichloropropane	6.83	77	235813	20.23	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	173293	20.43	ug/l	99
28) Bromochloromethane	7.19	49	112746	18.29	ug/l	99
29) Tetrahydrofuran	7.22	42	183703	101.96	ug/l	100
30) Chloroform	7.37	83	288724	20.10	ug/l	99
31) Cyclohexane	7.66	56	258229	19.87	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	246362	19.97	ug/l	99
36) 1,1-Dichloropropene	7.79	75	220930	20.09	ug/l	99
37) Ethyl Acetate	6.93	43	122874	19.45	ug/l	99
38) Carbon Tetrachloride	7.78	117	218931	19.69	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	230441	19.37	ug/l	99
40) Benzene	8.04	78	676645	20.40	ug/l	100
41) Methacrylonitrile	7.18	41	67535	19.75	ug/l	94
42) 1,2-Dichloroethane	8.13	62	198267	20.00	ug/l	100
43) Isopropyl Acetate	8.17	43	221356	20.38	ug/l #	88
44) Trichloroethene	8.84	130	175458	20.06	ug/l	98
45) 1,2-Dichloropropane	9.12	63	175825	20.17	ug/l	98
46) Dibromomethane	9.21	93	101009	19.72	ug/l	98
47) Bromodichloromethane	9.40	83	217362	20.26	ug/l	97
48) Methyl methacrylate	9.20	41	111385	20.12	ug/l	99
49) 1,4-Dioxane	9.20	88	29553	391.61	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	611955	94.41	ug/l	99
52) Toluene	10.16	92	410150	20.88	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	206323	19.32	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	247508	20.24	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	146560	20.10	ug/l	98
56) Ethyl methacrylate	10.43	69	165218	18.95	ug/l	99
57) 1,3-Dichloropropane	10.71	76	243965	20.27	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	350900	92.85	ug/l	100
59) 2-Hexanone	10.75	43	387413	89.78	ug/l	100
60) Dibromochloromethane	10.90	129	163595	20.04	ug/l	99
61) 1,2-Dibromoethane	11.01	107	139701	19.81	ug/l	99
64) Tetrachloroethene	10.63	164	163546	20.55	ug/l	98
65) Chlorobenzene	11.43	112	436770	19.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	163488	20.40	ug/l	99
67) Ethyl Benzene	11.51	91	721270	20.26	ug/l	100
68) m/p-Xylenes	11.62	106	566208	41.90	ug/l	99
69) o-Xylene	11.95	106	270419	20.81	ug/l	100
70) Styrene	11.96	104	417298	19.03	ug/l	99
71) Bromoform	12.13	173	107815	19.56	ug/l #	99
73) Isopropylbenzene	12.25	105	711193	21.95	ug/l	100
74) N-amyl acetate	12.07	43	161206	19.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	177792	22.11	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	148561m	21.68	ug/l	
77) Bromobenzene	12.53	156	178492	20.27	ug/l	100
78) n-propylbenzene	12.59	91	784029	21.66	ug/l	100
79) 2-Chlorotoluene	12.67	91	480498	21.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	583903	22.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39702	19.59	ug/l	96
82) 4-Chlorotoluene	12.77	91	475017	21.34	ug/l	99
83) tert-Butylbenzene	12.99	119	488639	21.58	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	584338	22.22	ug/l	100
85) sec-Butylbenzene	13.17	105	643710	21.70	ug/l	100
86) p-Isopropyltoluene	13.29	119	551055	21.80	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	297568	19.92	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	285781	19.43	ug/l	99
89) n-Butylbenzene	13.62	91	400137	19.79	ug/l	99
90) Hexachloroethane	13.88	117	99035	20.67	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	293681	20.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22971	19.74	ug/l	97

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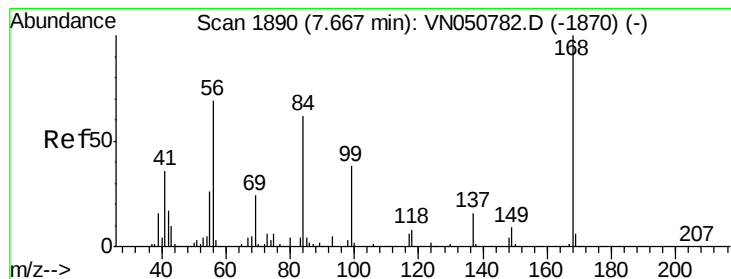
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	109805	17.53	ug/l	98
94) Hexachlorobutadiene	15.01	225	90789	20.59	ug/l	99
95) Naphthalene	15.13	128	201177	16.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	112645	18.26	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

VN0823WBS01

Tot Ion:168 Resp: 647707

Ion Ratio Lower Upper

168 100

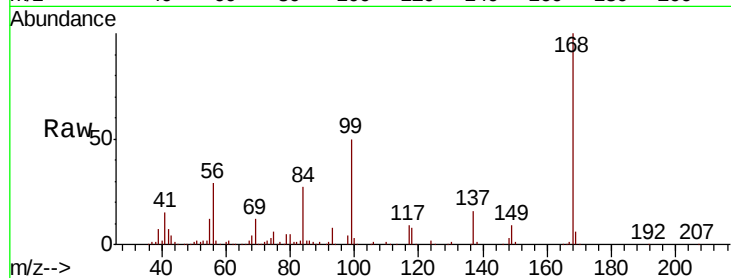
99 49.9 39.6 59.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

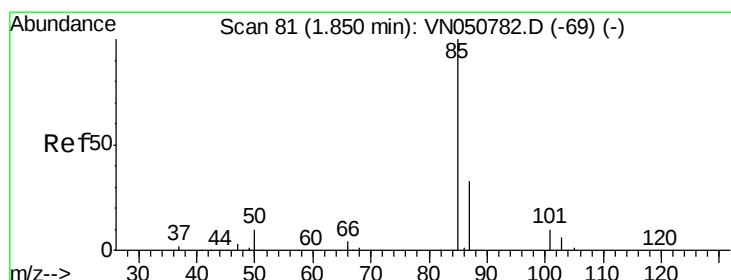
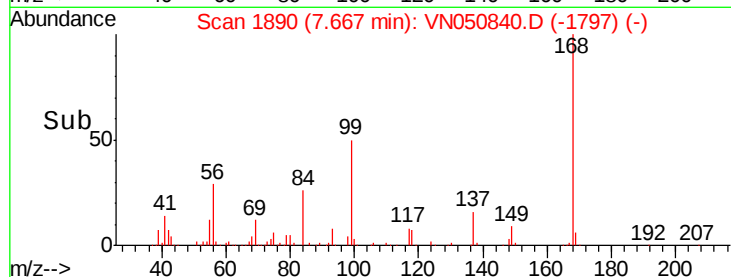
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 22.09 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050840.D

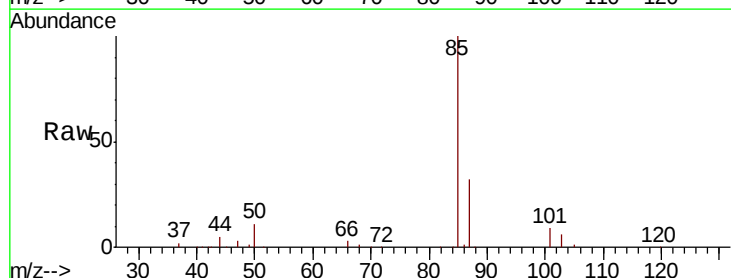
Acq: 23 Aug 2018 9:51

Tgt Ion: 85 Resp: 191443

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

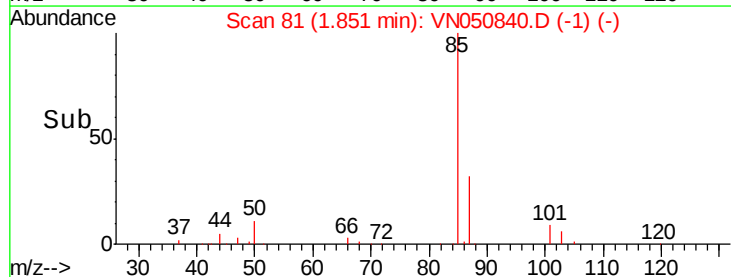
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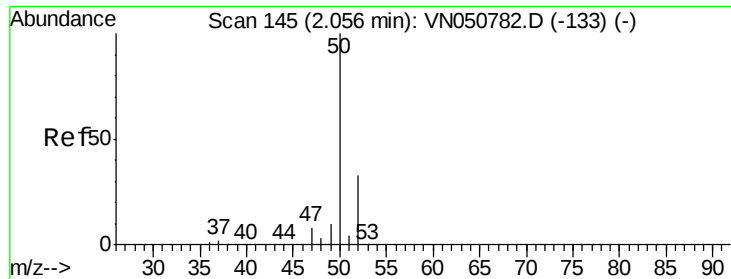
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.07 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 50 Resp: 203865

Ion Ratio Lower Upper

50 100

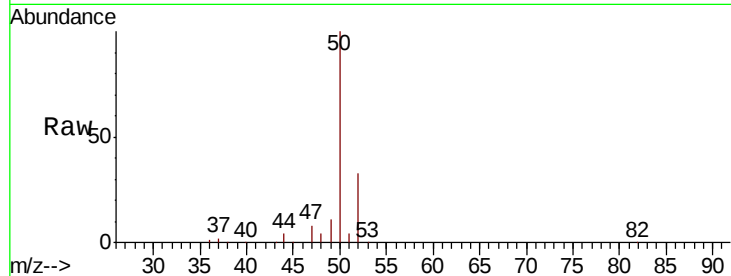
52 33.4 26.3 39.5

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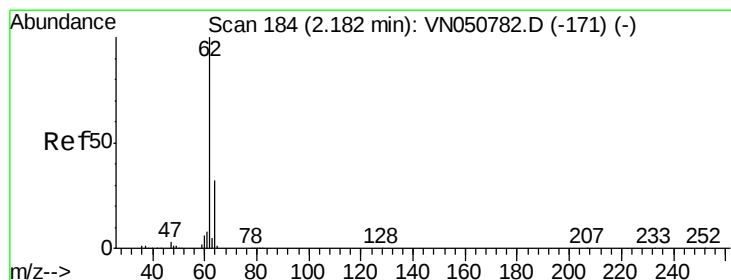
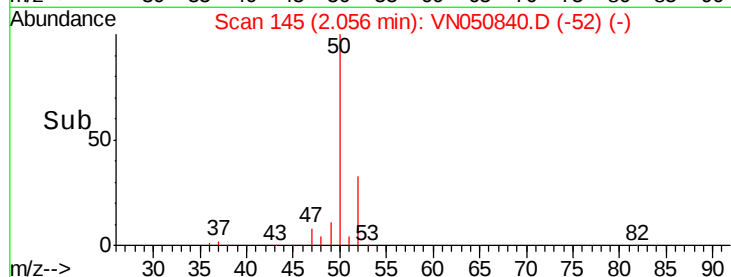
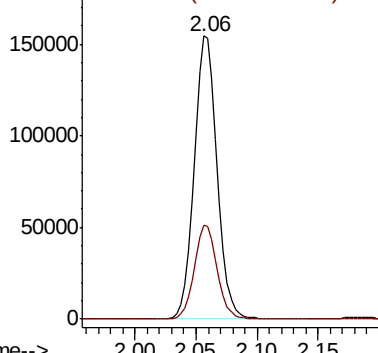
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.45 ug/l

RT: 2.19 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050840.D

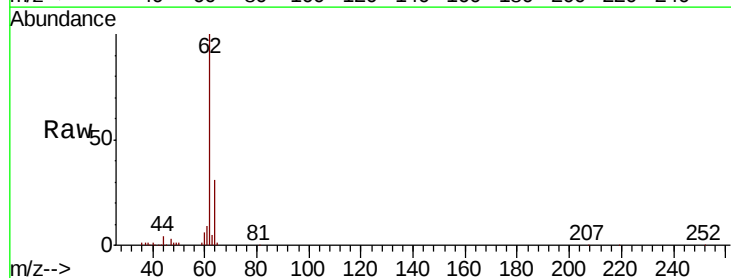
Acq: 23 Aug 2018 9:51

Tgt Ion: 62 Resp: 207085

Ion Ratio Lower Upper

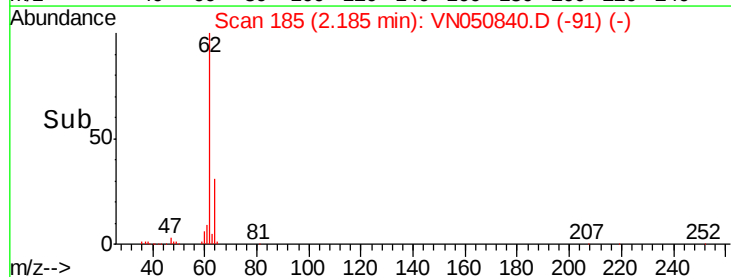
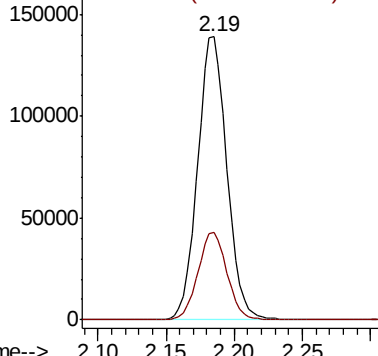
62 100

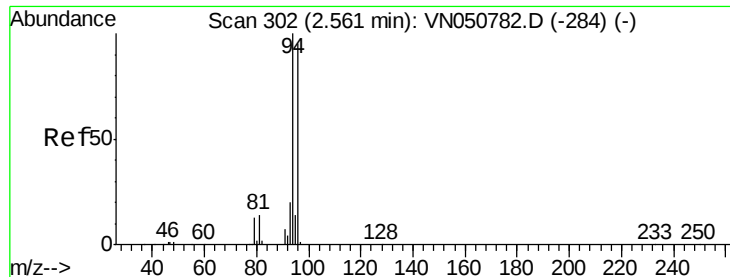
64 30.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.76 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

VN0823WBS01

Tot Ion: 94 Resp: 111851

Ion Ratio Lower Upper

94 100

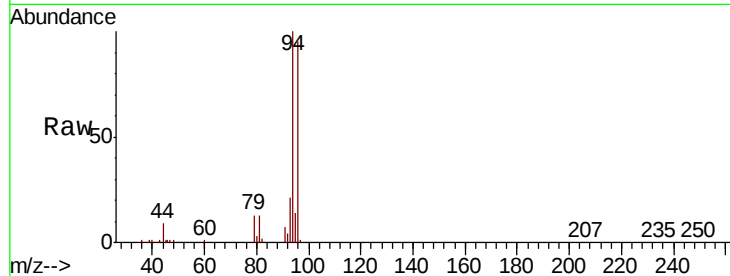
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Manual Integrations

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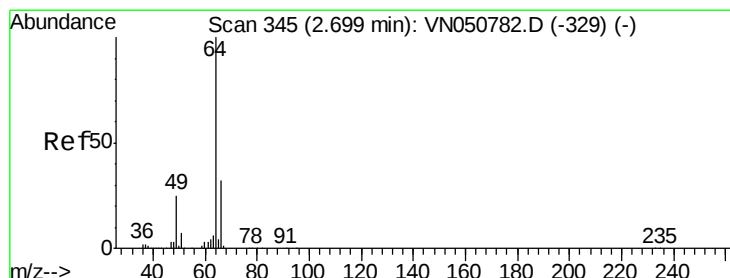
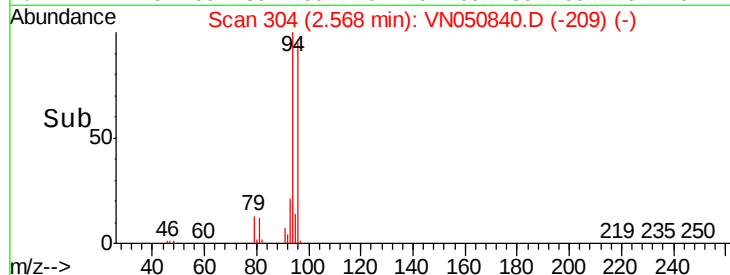
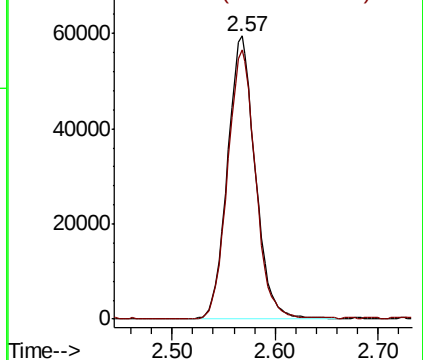
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.84 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050840.D

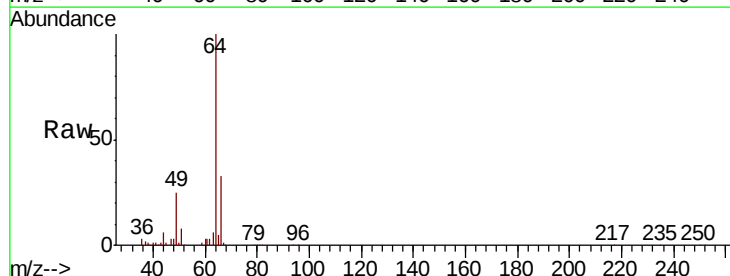
Acq: 23 Aug 2018 9:51

Tgt Ion: 64 Resp: 116075

Ion Ratio Lower Upper

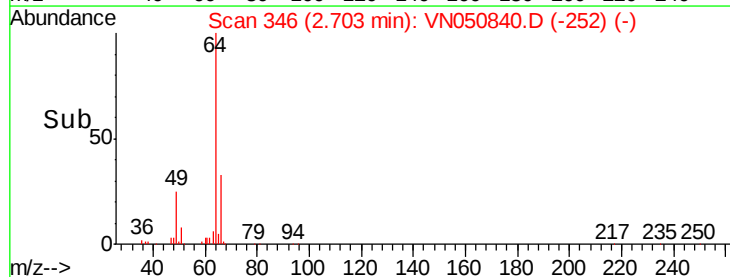
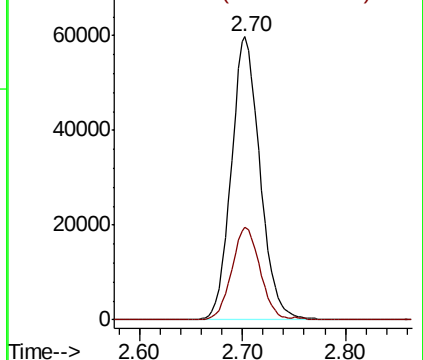
64 100

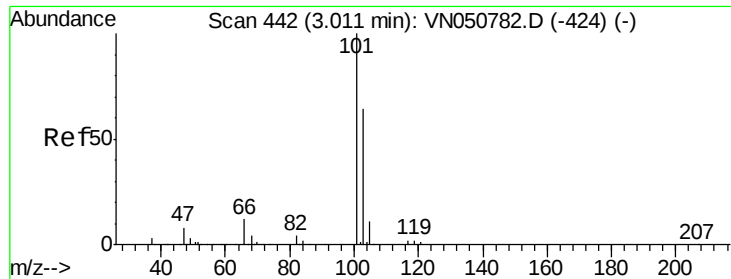
66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

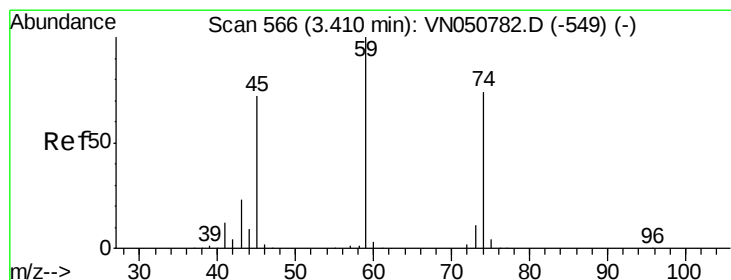
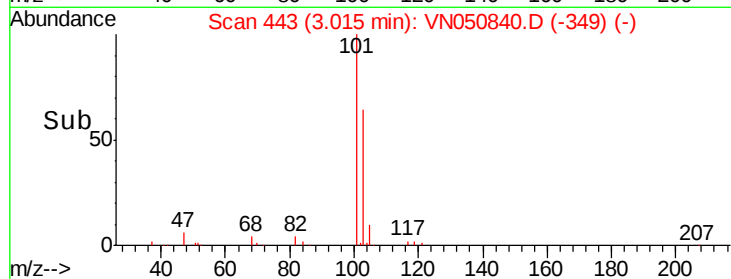
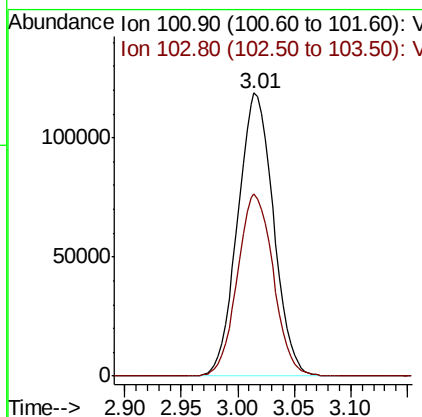
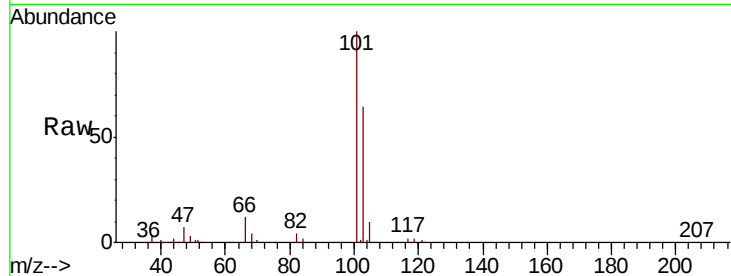
Trichlorofluoromethane
 Concen: 20.19 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	261807		
103	64.2	51.6	77.4	

Manual Integrations
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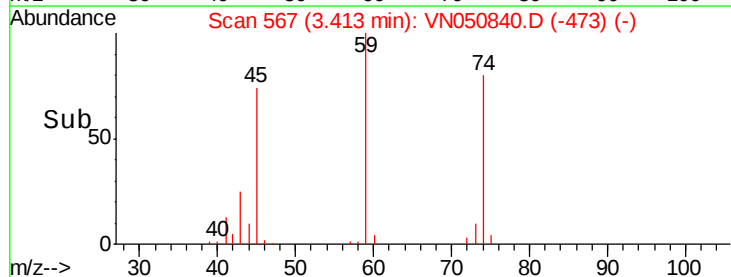
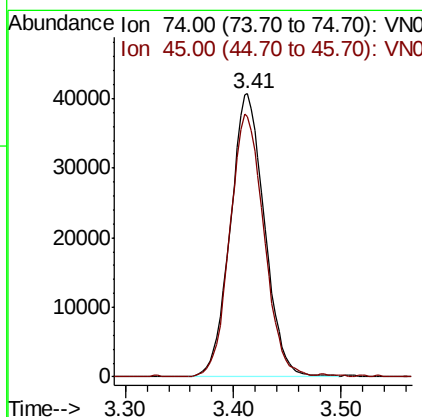
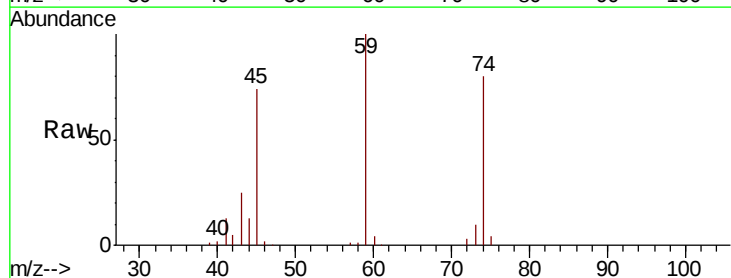
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 8/24/2018 10:40:42 AM



#8

Diethyl Ether
 Concen: 20.35 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	89741		
45	92.9	48.2	144.6	





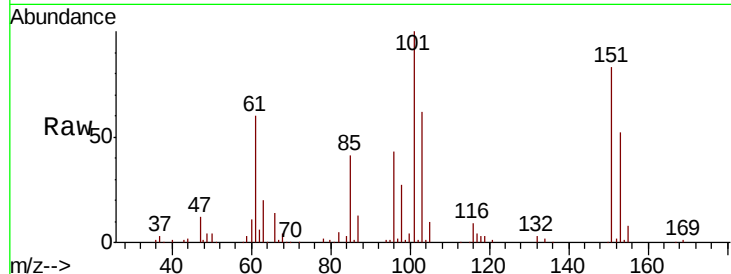
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.24 ug/l
RT: 3.76 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	164028		
85	41.2	33.7	50.5	
151	83.2	67.4	101.2	

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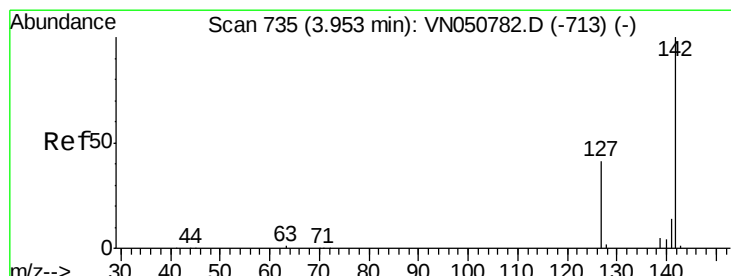
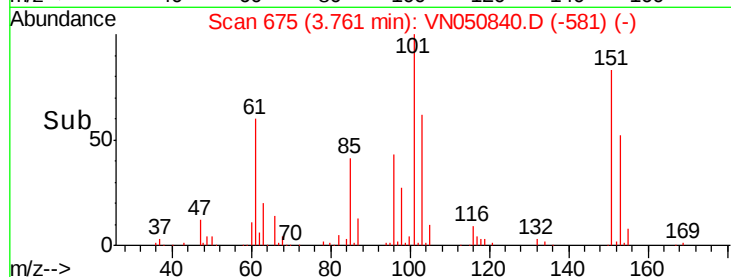
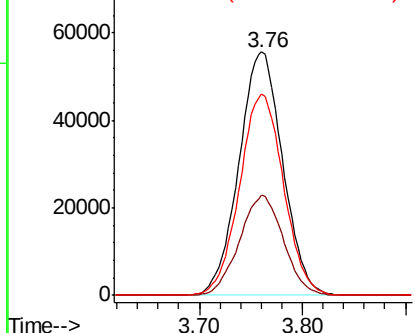


Abundance

Ion 100.90 (100.60 to 101.60): V

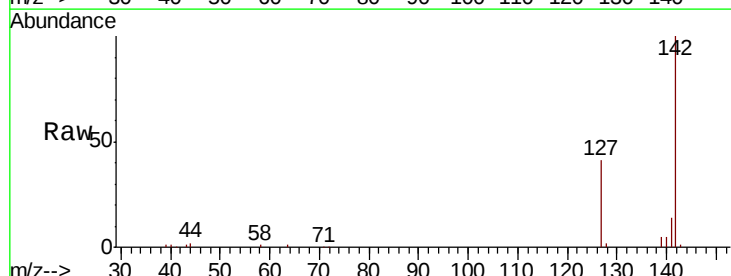
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 19.44 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	106704		
127	40.7	31.7	47.5	
141	14.4	11.4	17.0	

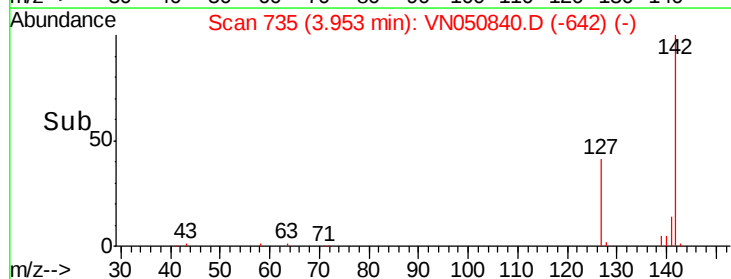
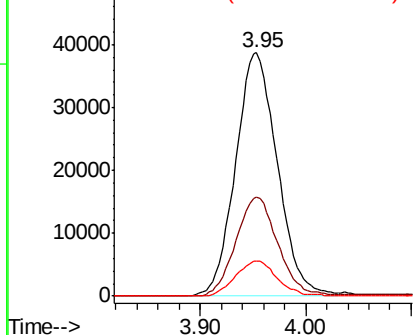


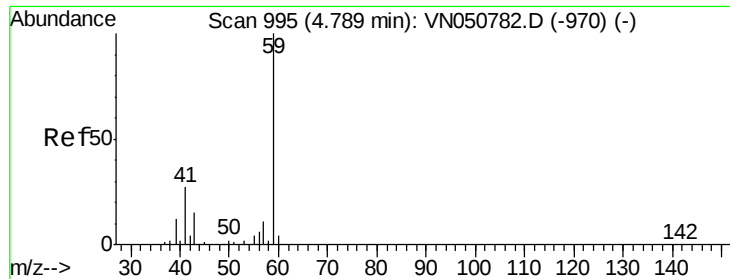
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





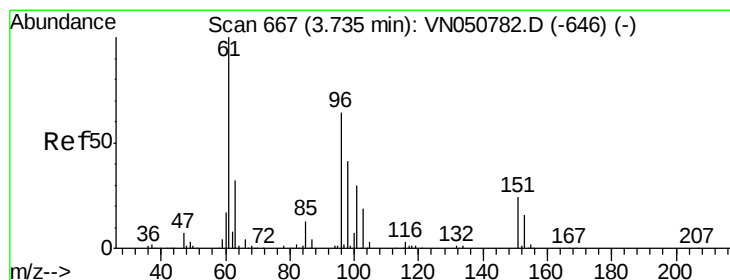
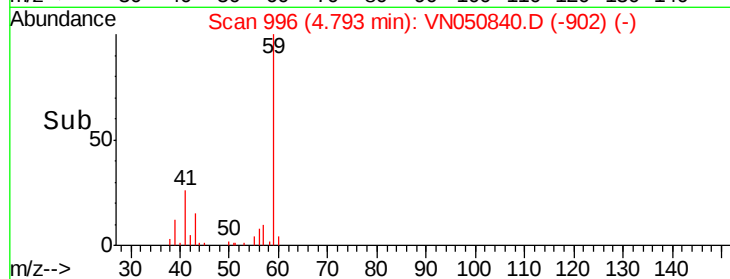
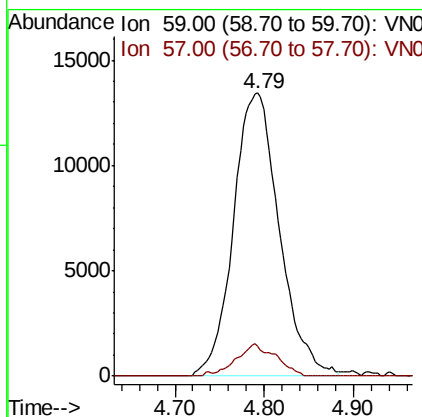
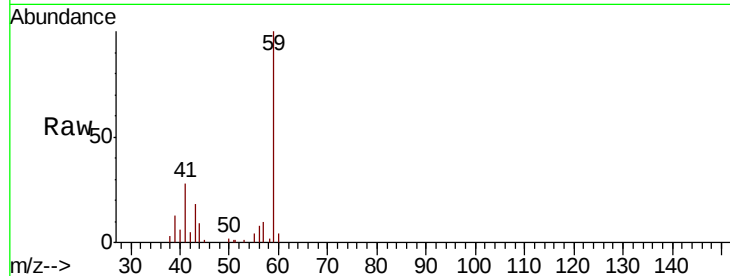
#11
Tert butyl alcohol
Concen: 96.58 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.3	12.5

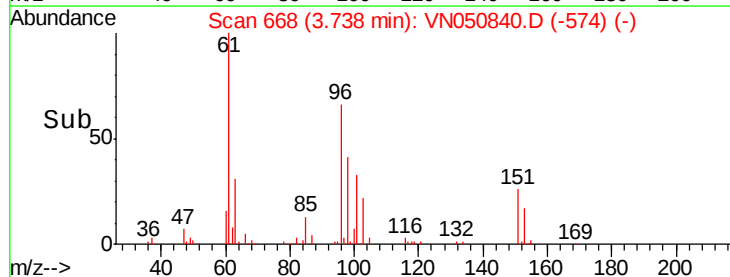
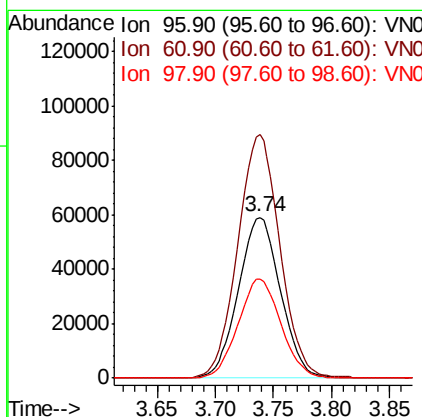
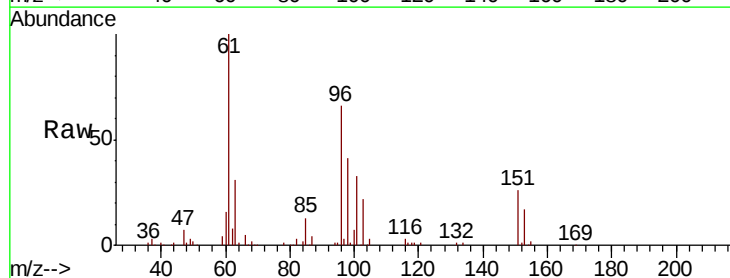
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#12
1,1-Dichloroethene
Concen: 20.47 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.3	124.9	187.3
98	61.7	51.1	76.7





#13

Acrolein

Concen: 89.72 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 56 Resp: 22428

Ion Ratio Lower Upper

56 100

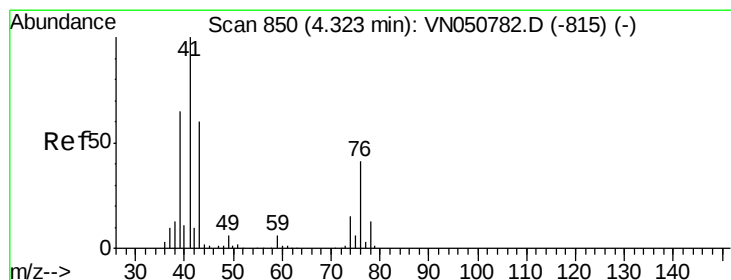
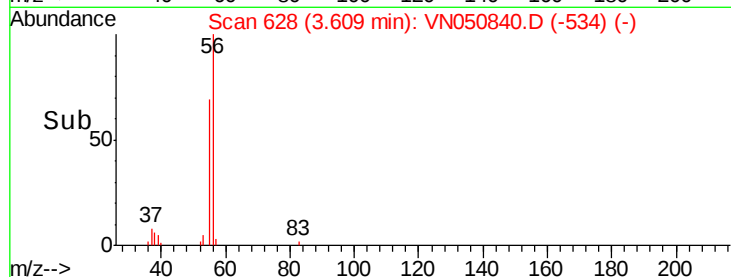
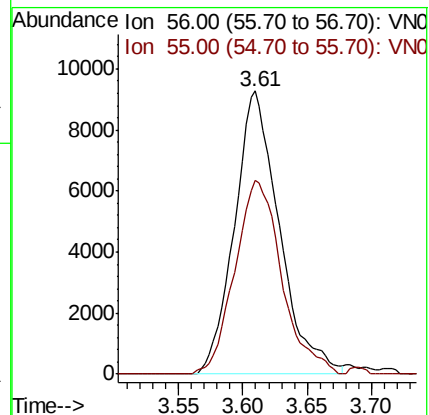
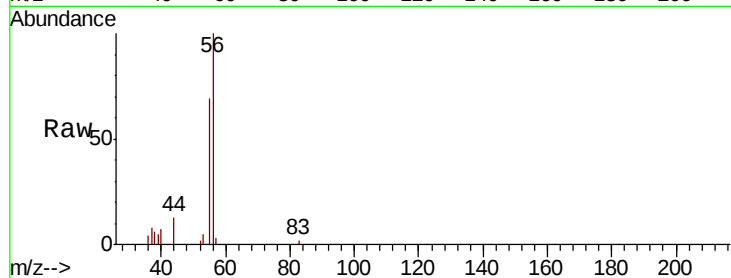
55 71.6 57.7 86.5

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#14

Allyl chloride

Concen: 19.71 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

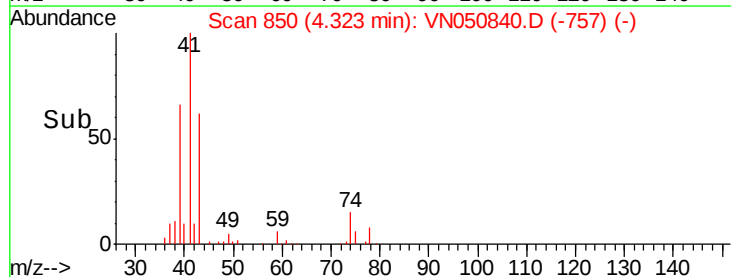
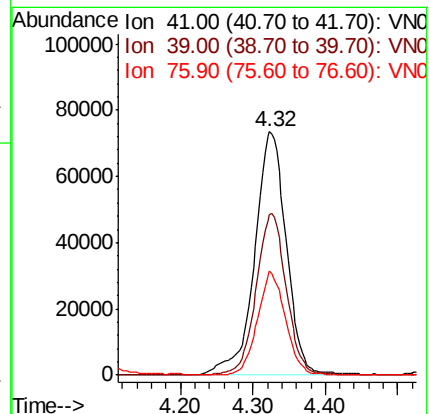
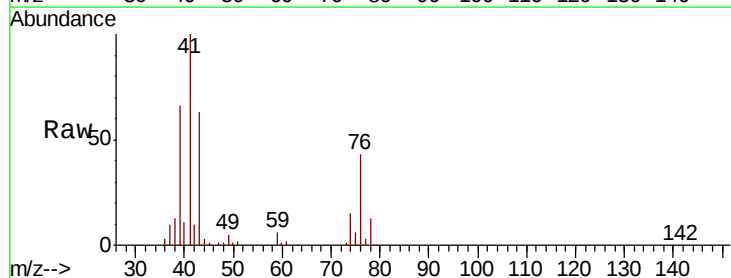
Tgt Ion: 41 Resp: 223401

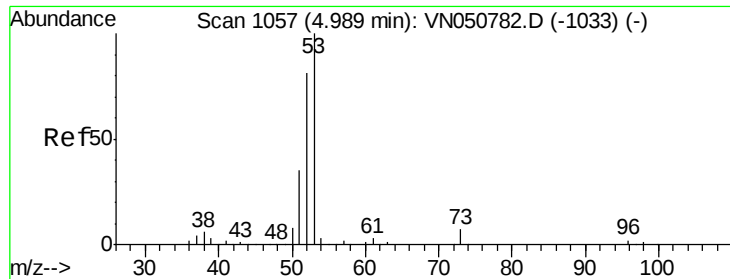
Ion Ratio Lower Upper

41 100

39 63.4 50.2 75.2

76 37.9 29.8 44.8





#15

Acrylonitrile

Concen: 98.06 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

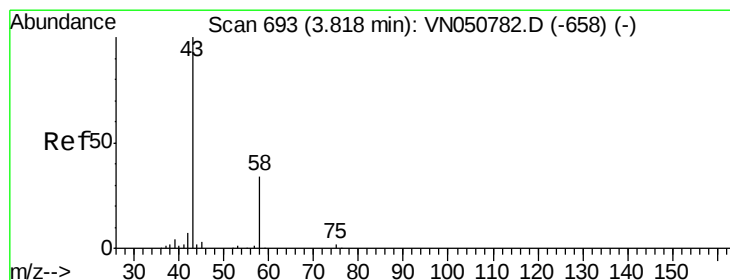
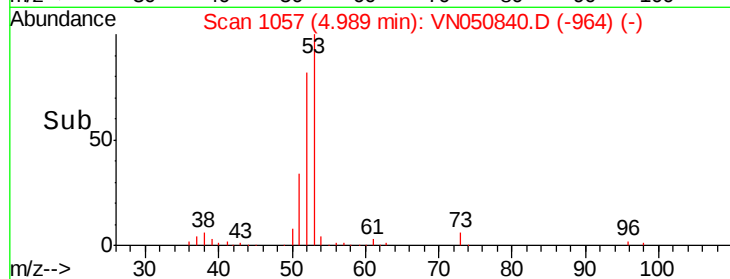
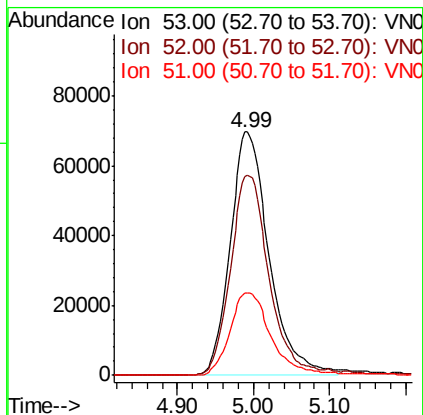
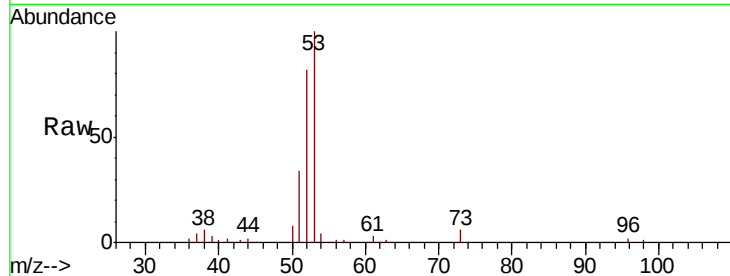
ClientSampleId :

VN0823WBS01

Tot Ion:	53	Resp:	247438
Ion Ratio		Lower	Upper
53	100		
52	80.9	65.9	98.9
51	35.9	28.6	43.0

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#16

Acetone

Concen: 95.46 ug/l

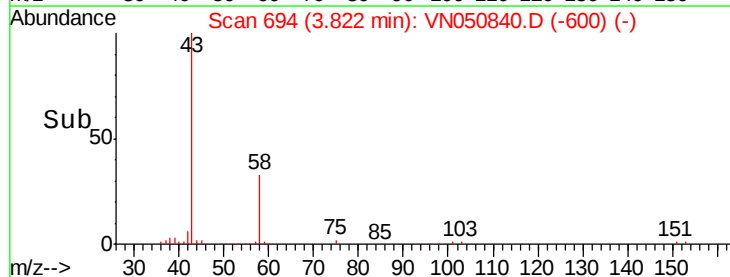
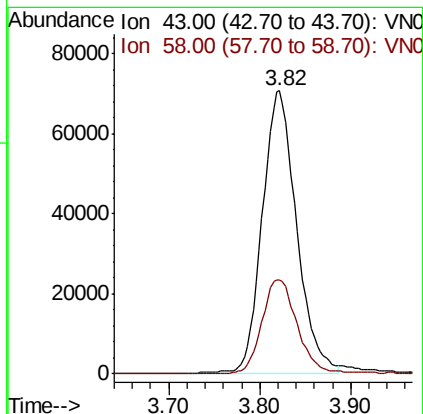
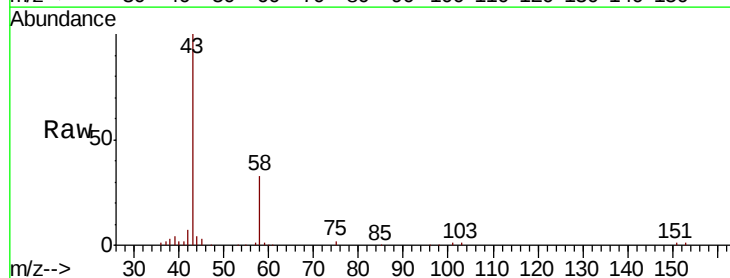
RT: 3.82 min Scan# 694

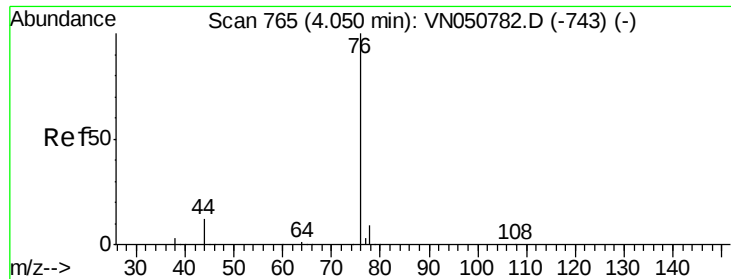
Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Tgt Ion:	43	Resp:	184326
Ion Ratio		Lower	Upper
43	100		
58	33.4	27.2	40.8





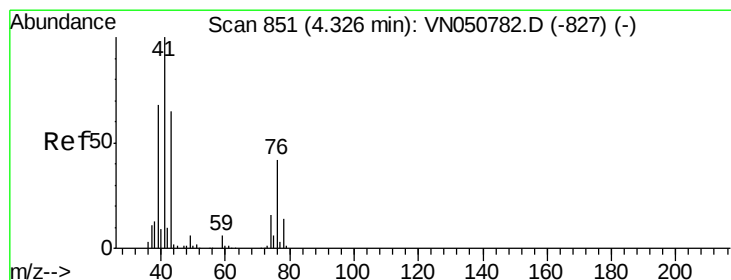
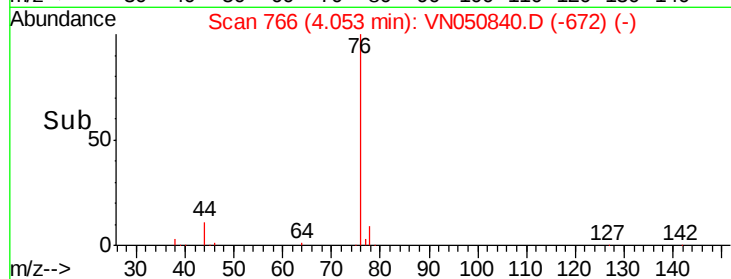
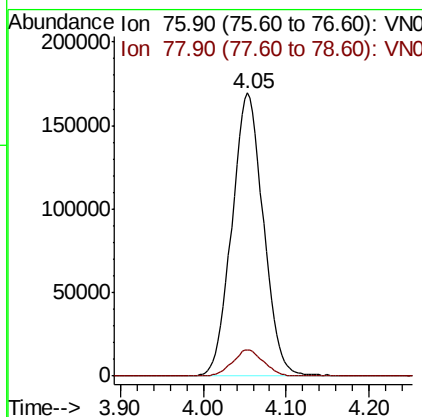
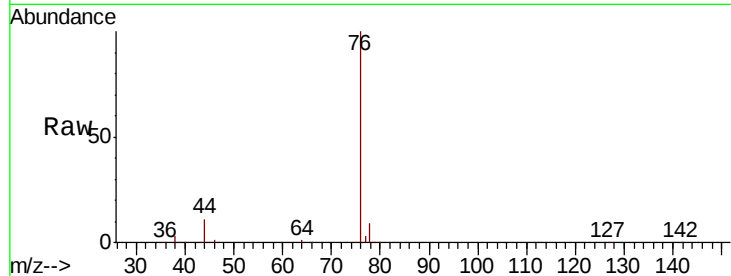
#17
Carbon Disulfide
Concen: 18.40 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

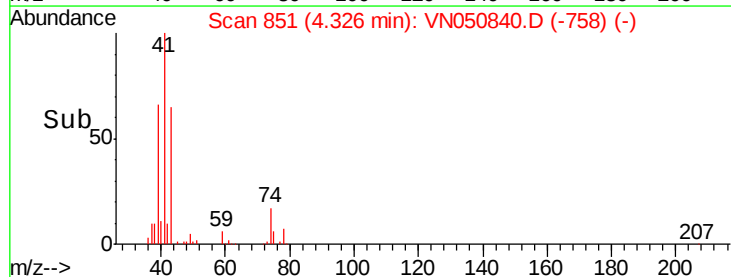
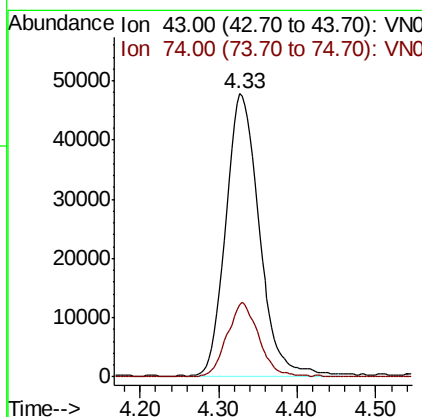
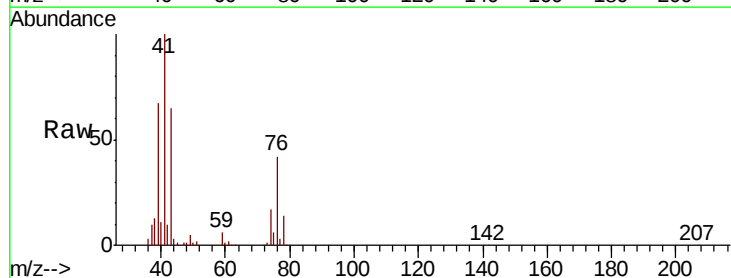
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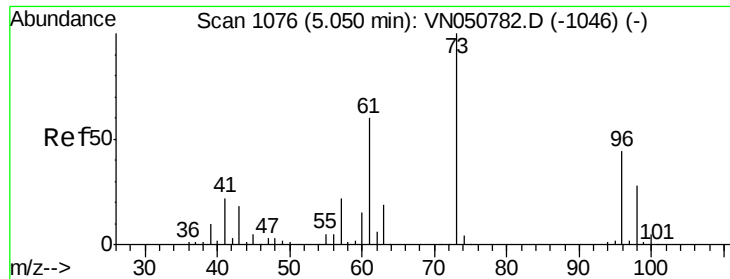
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#18
Methyl Acetate
Concen: 19.08 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.8	29.8





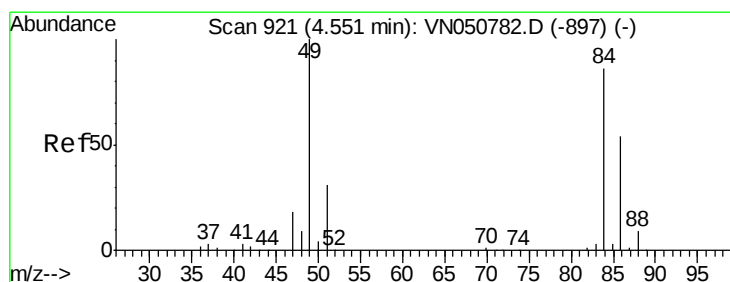
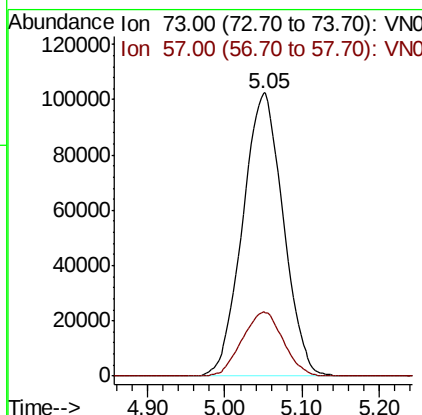
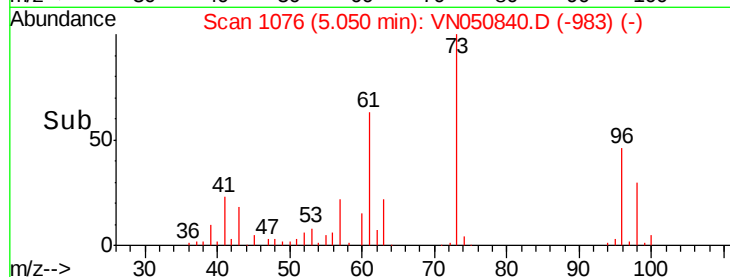
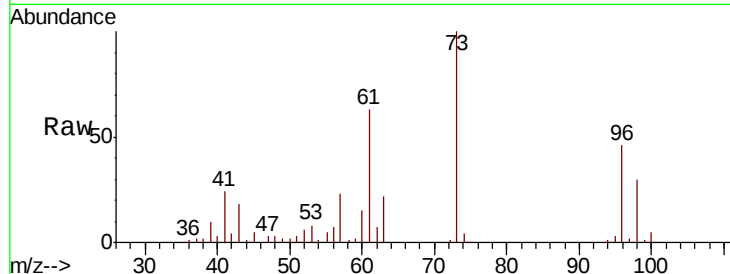
#19
Methyl tert-butyl Ether
Concen: 20.51 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion: 73 Resp: 375270
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.8

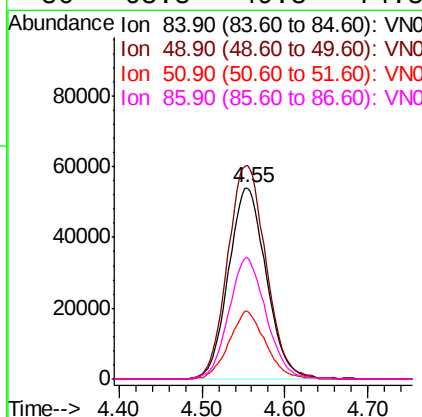
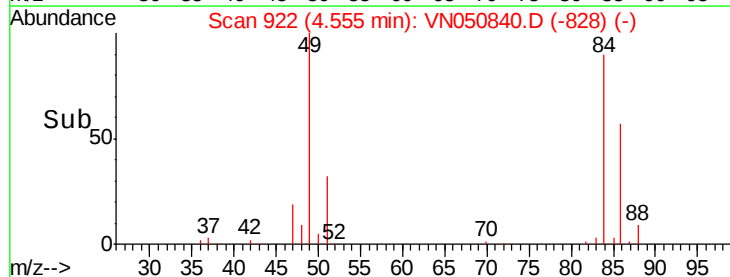
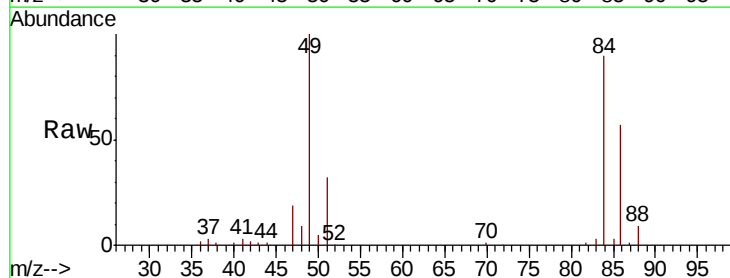
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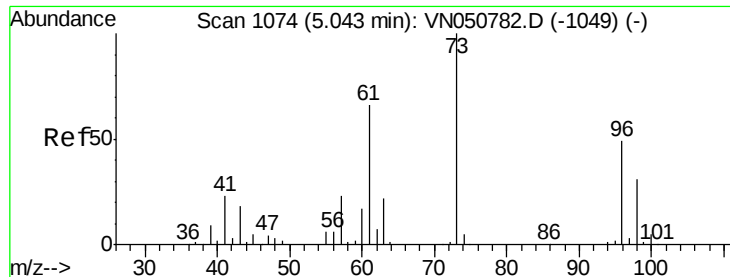
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#20
Methylene Chloride
Concen: 19.46 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 84 Resp: 170982
Ion Ratio Lower Upper
84 100
49 111.7 93.2 139.8
51 35.5 29.0 43.6
86 63.8 49.8 74.8





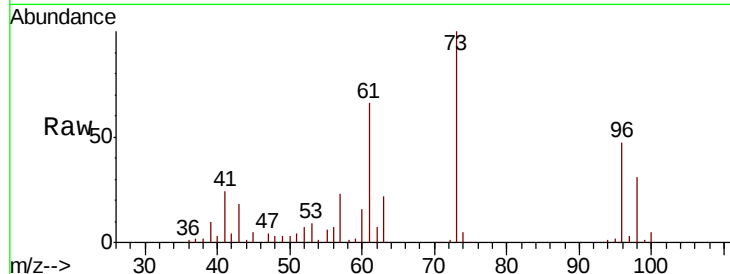
#21
trans-1,2-Dichloroethene
Concen: 19.58 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :
VN0823WBS01

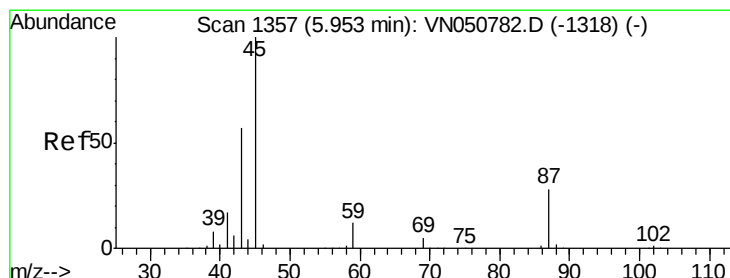
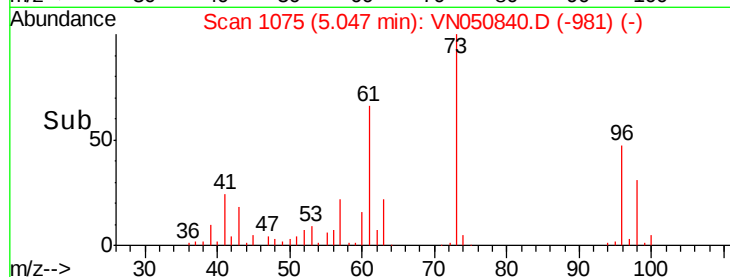
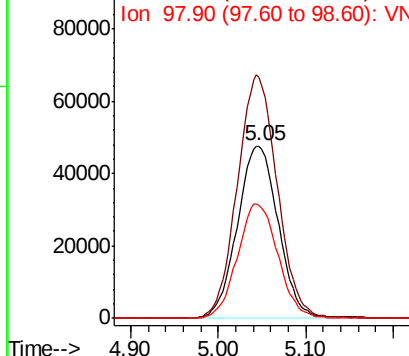
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	107.4	161.0
98	65.9	50.7	76.1

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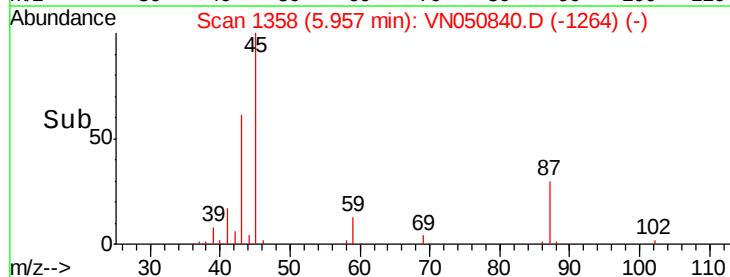
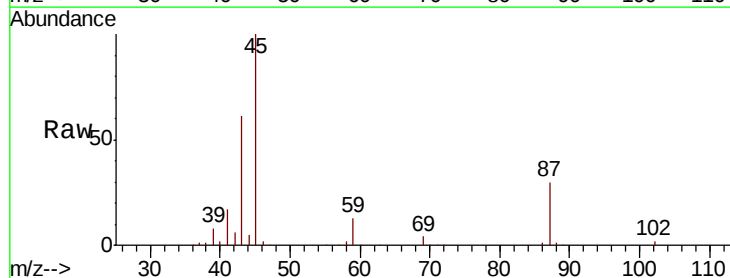
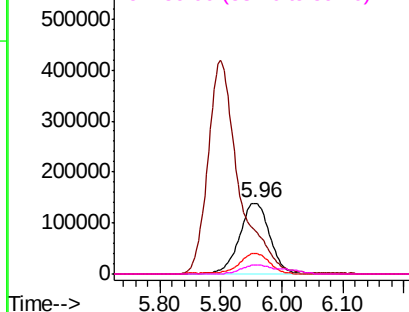
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

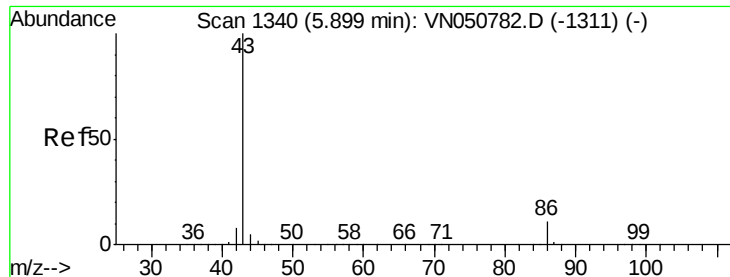


#22
Diisopropyl ether
Concen: 21.22 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.1	45.9	68.9
87	29.8	22.7	34.1
59	13.2	9.3	13.9

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





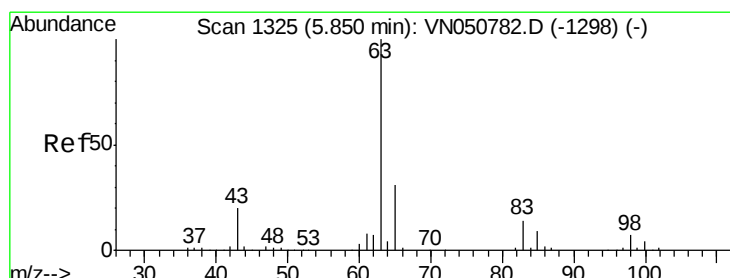
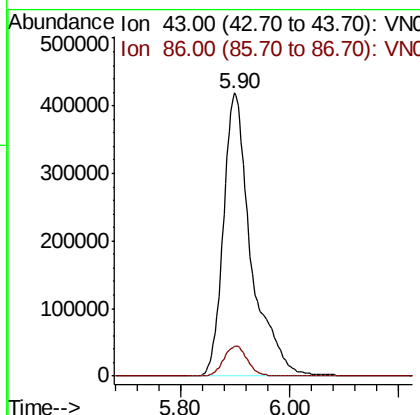
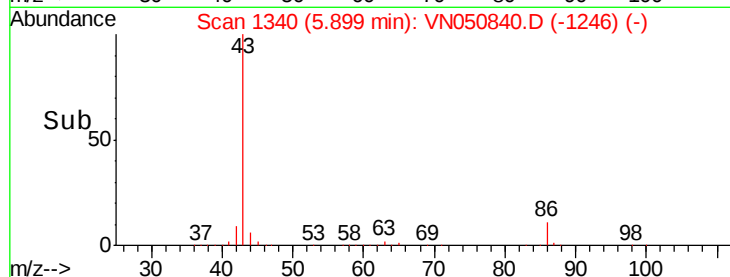
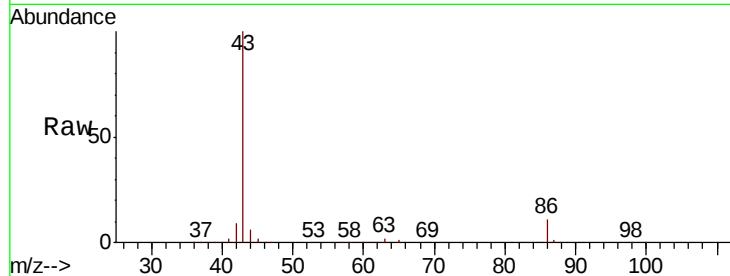
#23
 Vinyl Acetate
 Concen: 101.38 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion: 43 Resp: 1474922
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.7 13.1

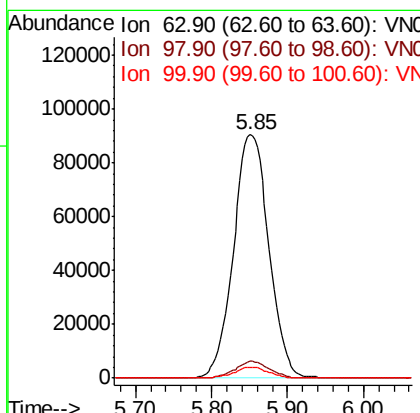
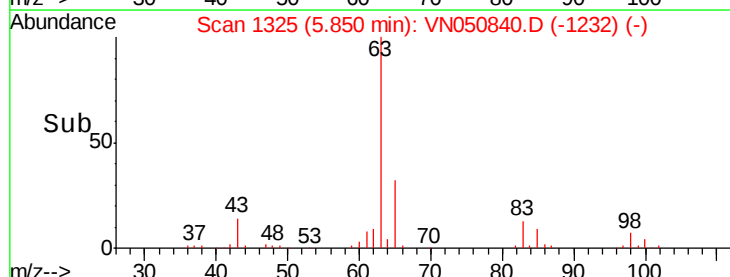
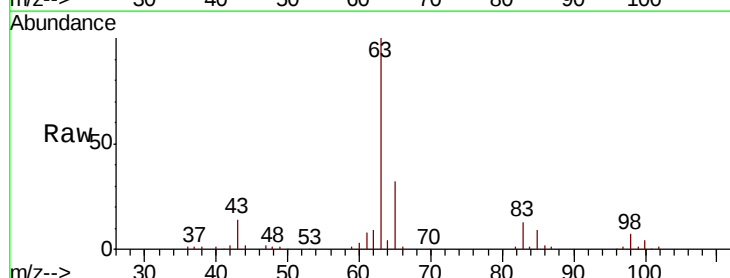
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#24
 1,1-Dichloroethane
 Concen: 20.14 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 63 Resp: 292134
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 88.33 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

VN0823WBS01

Tot Ion: 43 Resp: 277573

Ion Ratio Lower Upper

43 100

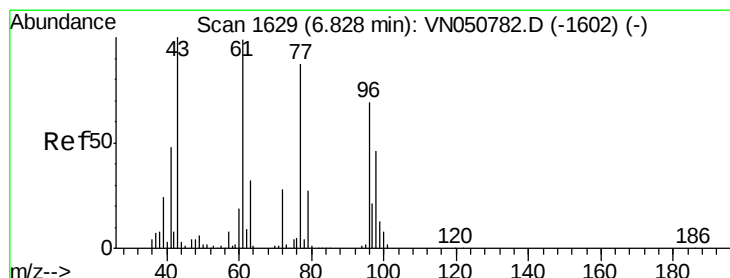
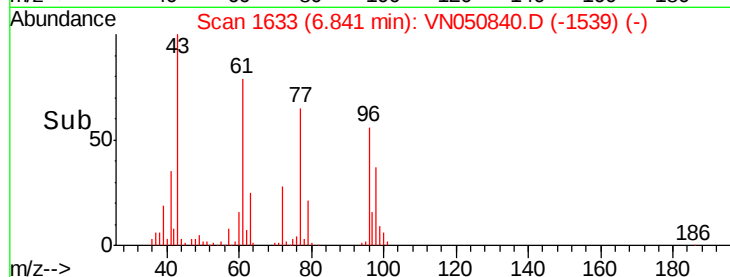
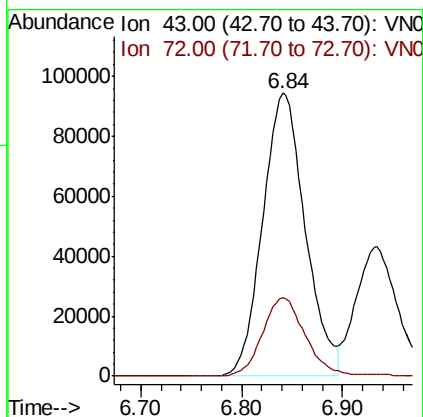
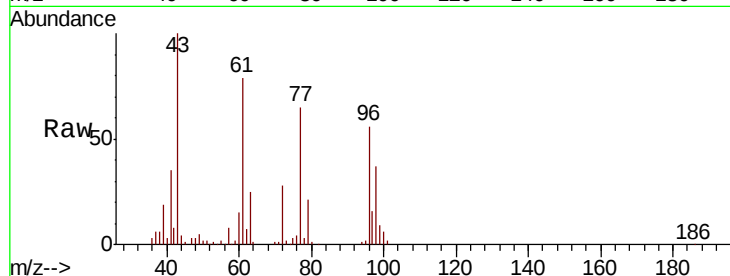
72 27.9 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.23 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050840.D

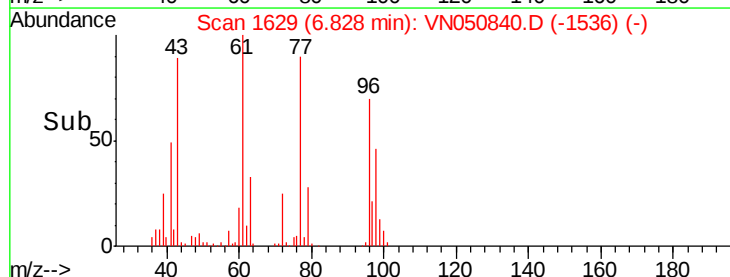
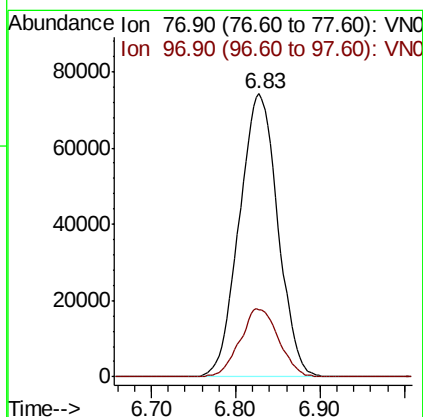
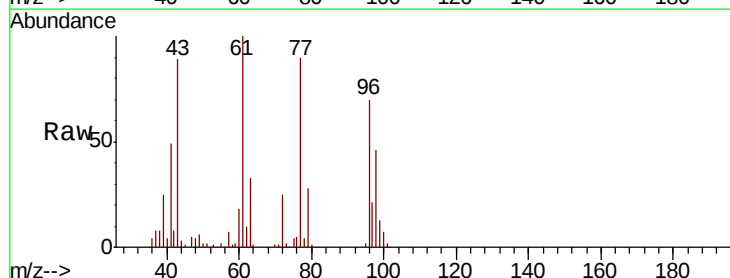
Acq: 23 Aug 2018 9:51

Tgt Ion: 77 Resp: 235813

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.0





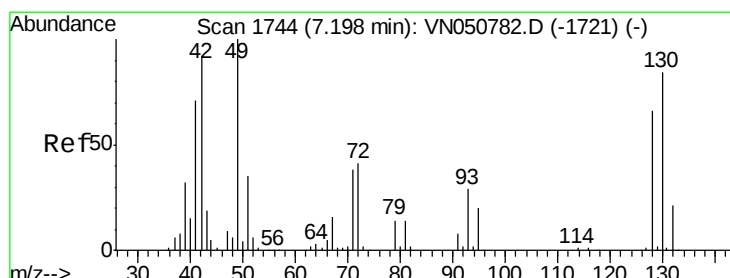
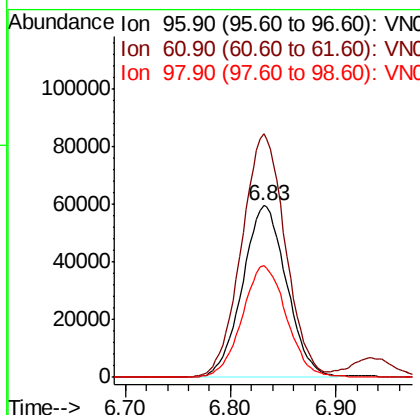
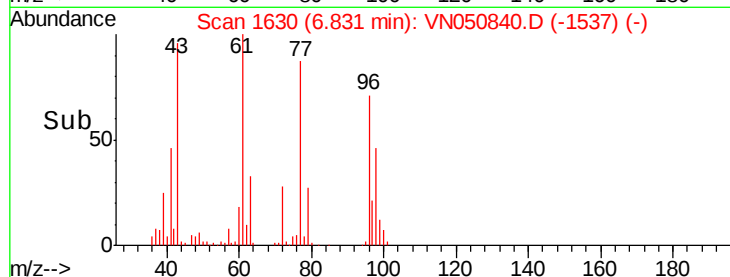
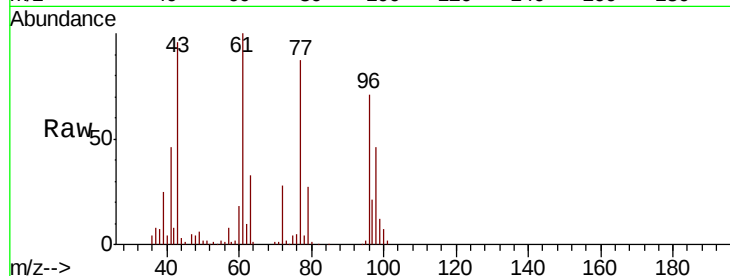
#27
 cis-1,2-Dichloroethene
 Concen: 20.43 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	173293		
61	140.9	0.0	283.4	
98	65.3	0.0	129.8	

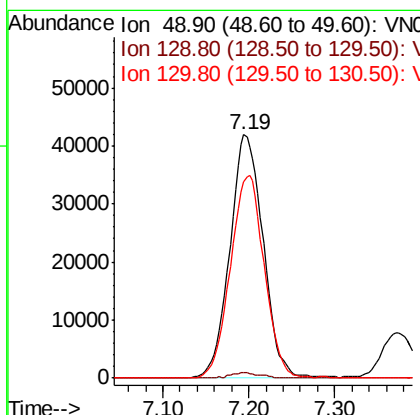
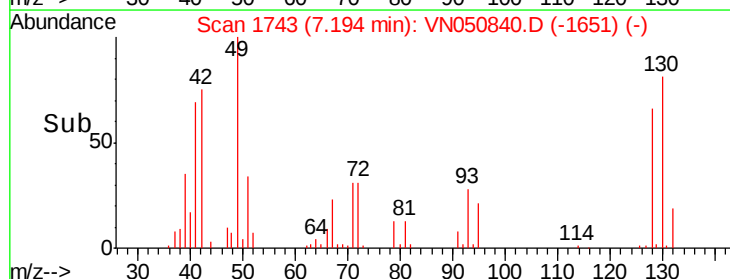
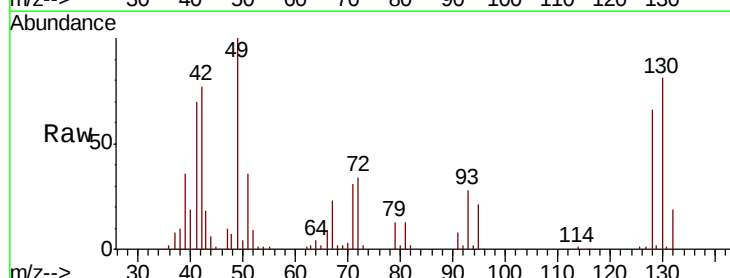
Manual Integrations
 APPROVED

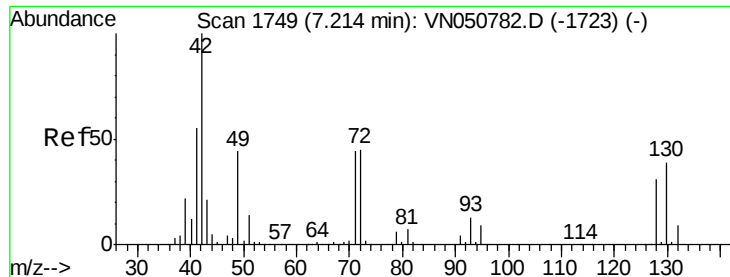
MMDadoda
 8/24/2018 10:40:42 AM



#28
 Bromochloromethane
 Concen: 18.29 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112746		
129	1.9	0.0	4.2	
130	84.6	67.1	100.7	





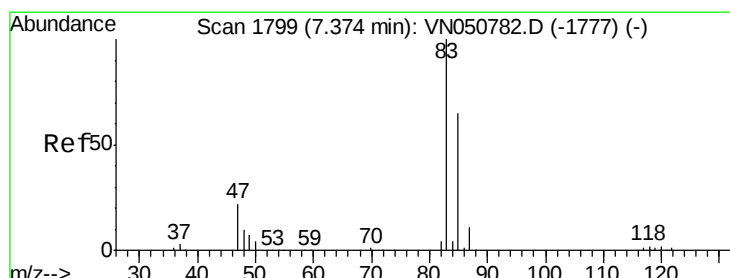
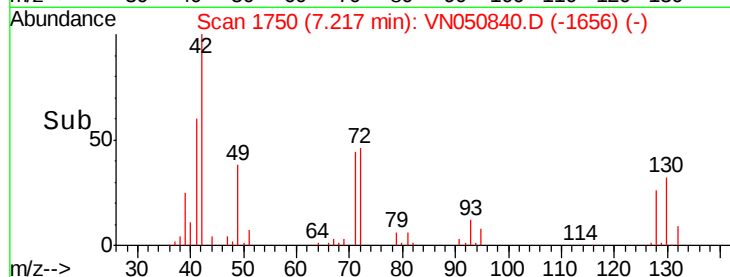
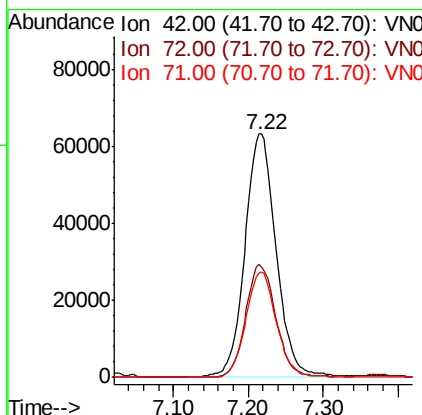
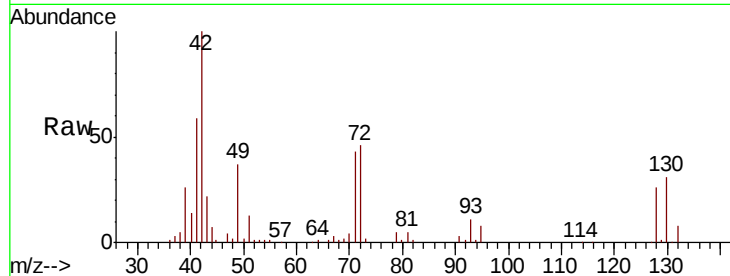
#29
Tetrahydrofuran
Concen: 101.96 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.5	53.3
71	42.2	33.7	50.5

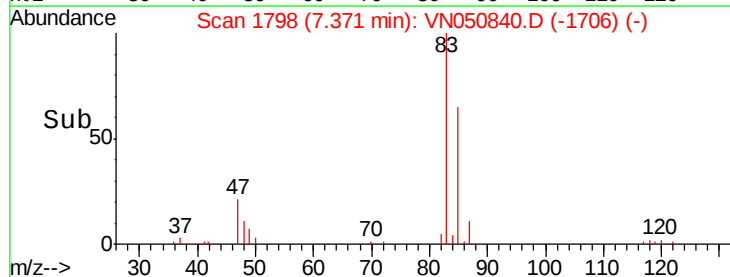
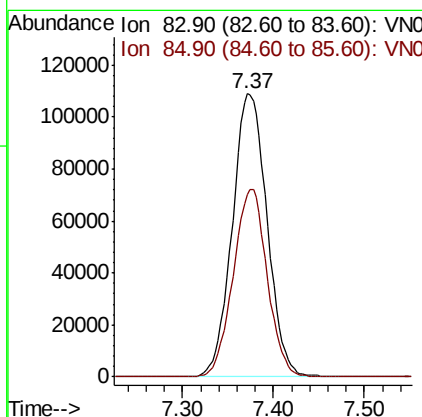
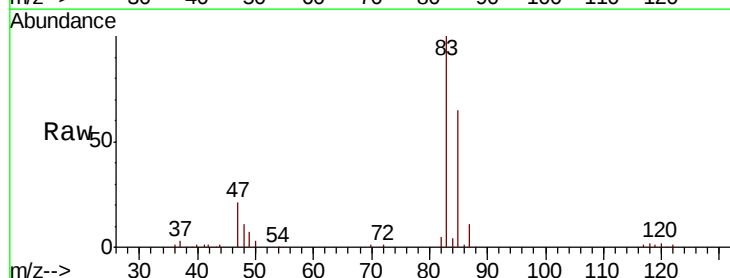
Manual Integrations
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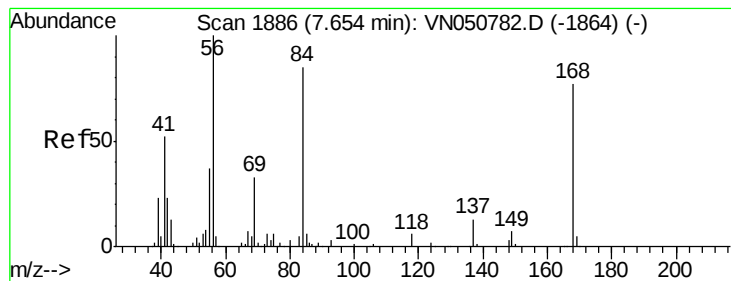
MMDadoda
8/24/2018 10:40:42 AM



#30
Chloroform
Concen: 20.10 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.2	78.4





#31

Cyclohexane

Concen: 19.87 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

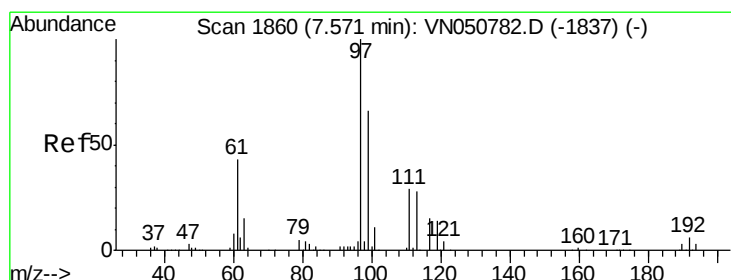
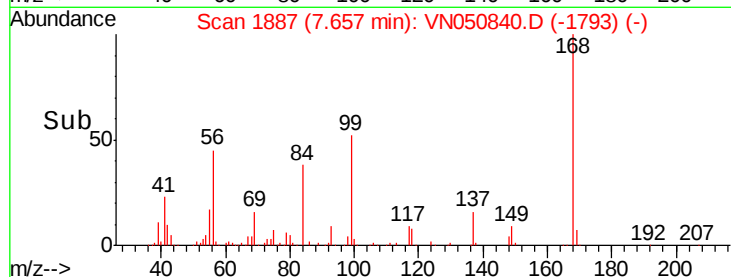
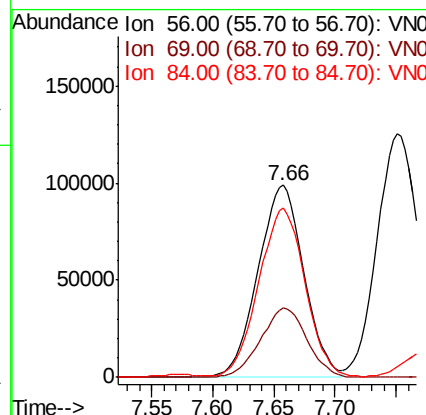
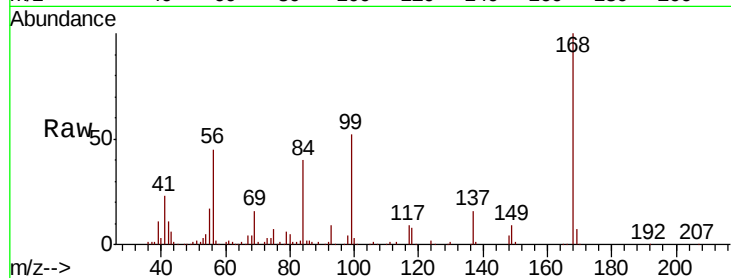
ClientSampled :

VN0823WBS01

Tot Ion:	56	Resp:	258229
Ion Ratio	Lower	Upper	
56	100		
69	36.2	26.2	39.4
84	86.6	68.3	102.5

Manual Integrations
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MMDadoda
8/24/2018 10:40:42 AM



#32

1,1,1-Trichloroethane

Concen: 19.97 ug/l

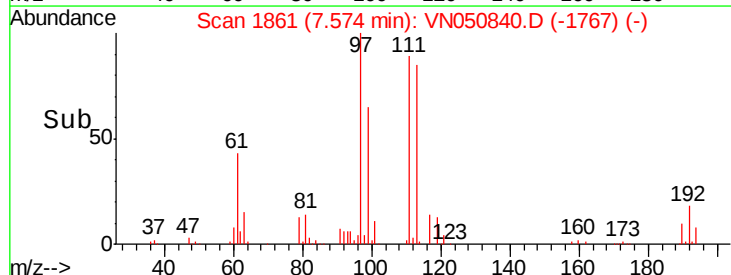
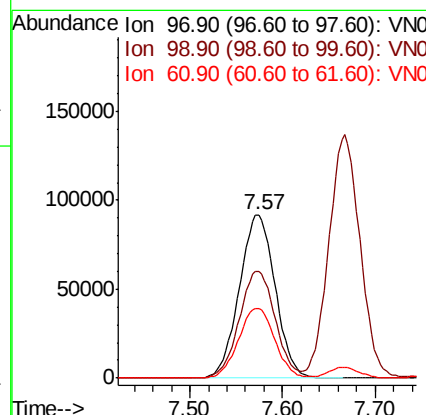
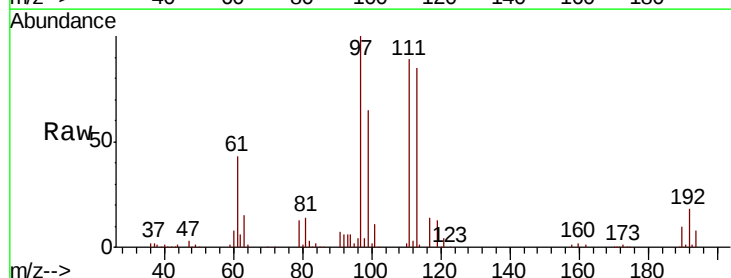
RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Tgt Ion:	97	Resp:	246362
Ion Ratio	Lower	Upper	
97	100		
99	65.6	51.8	77.6
61	43.3	34.9	52.3





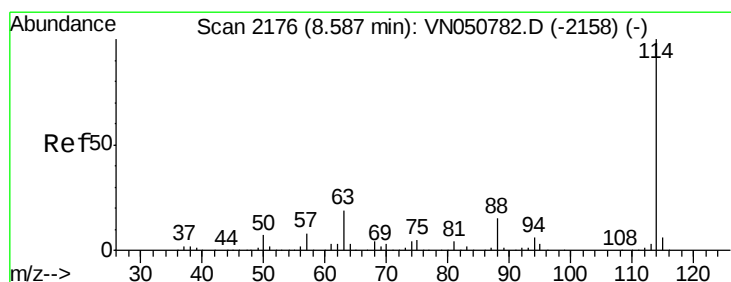
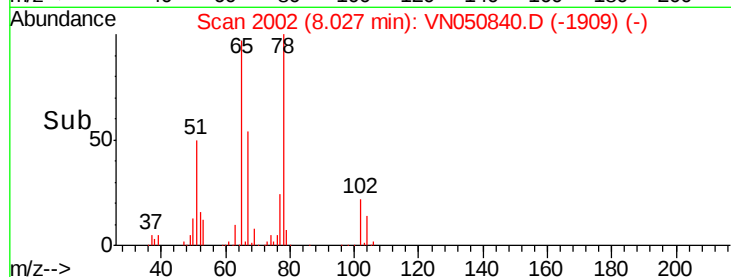
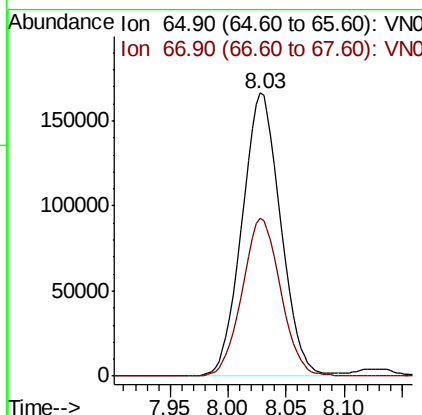
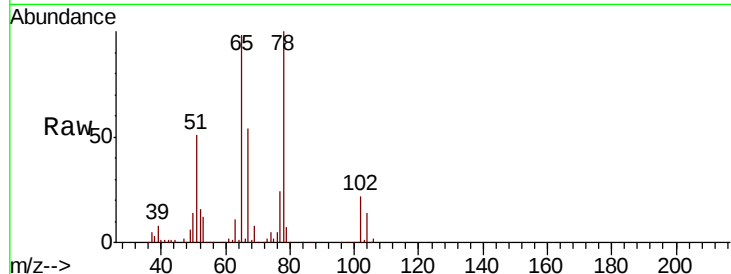
#33
 1,2-Dichloroethane-d4
 Concen: 49.56 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.4	0.0	110.4	

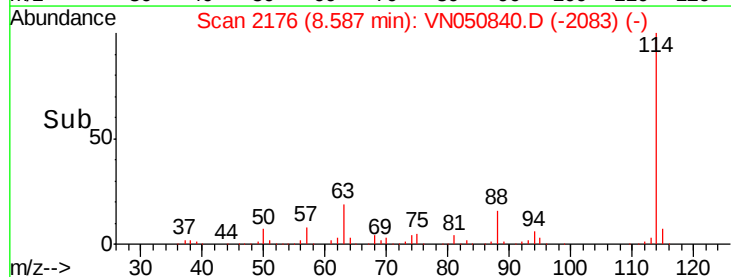
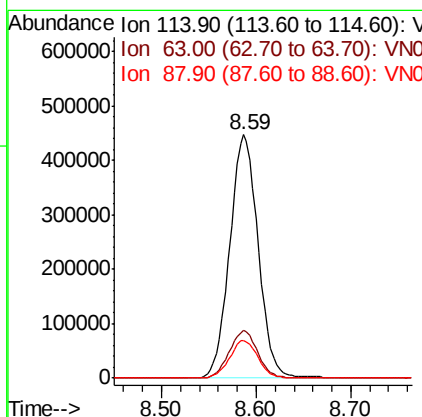
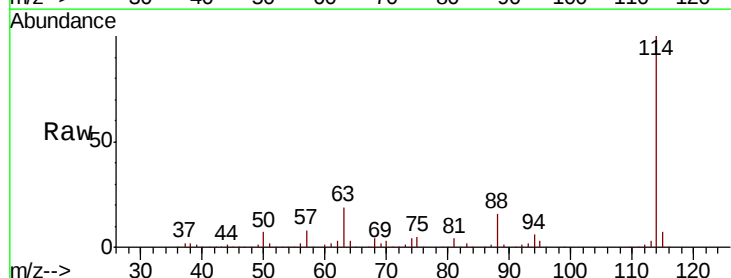
Manual Integrations
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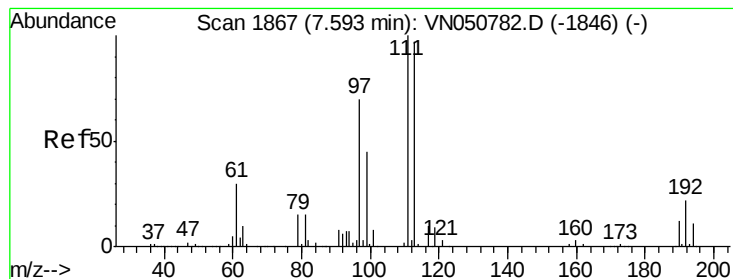
MMDadoda
 8/24/2018 10:40:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	38.6	
88	15.6	0.0	30.6	





#35

Dibromofluoromethane

Concen: 50.22 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

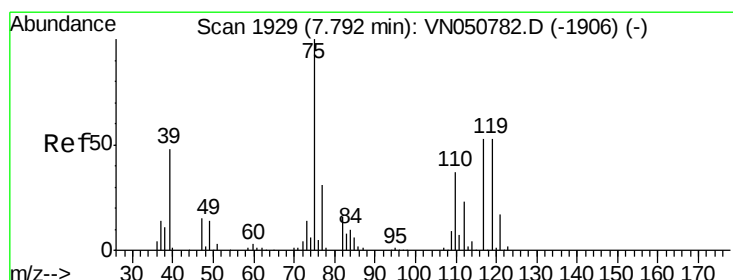
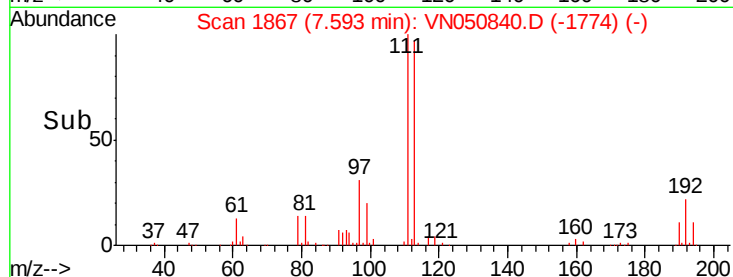
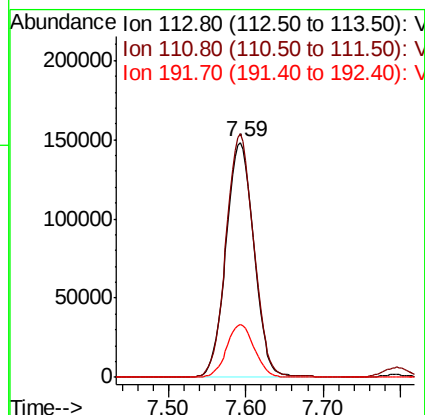
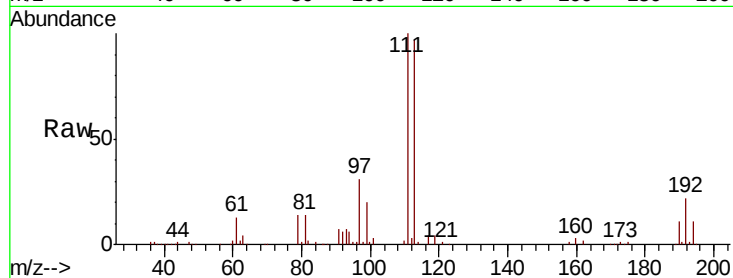
ClientSampleId :

VN0823WBS01

Tot Ion:	113	Resp:	372334
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.6	123.8
192	22.3	18.0	27.0

Manual Integrations
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MMDadoda
8/24/2018 10:40:42 AM



#36

1,1-Dichloropropene

Concen: 20.09 ug/l

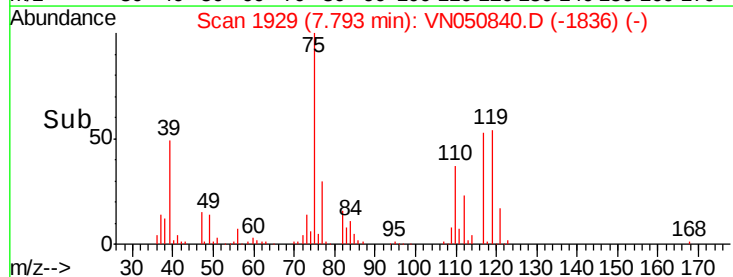
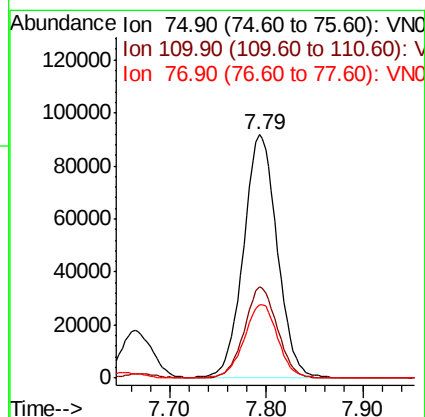
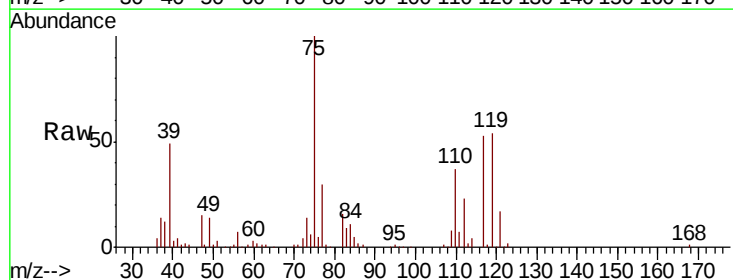
RT: 7.79 min Scan# 1929

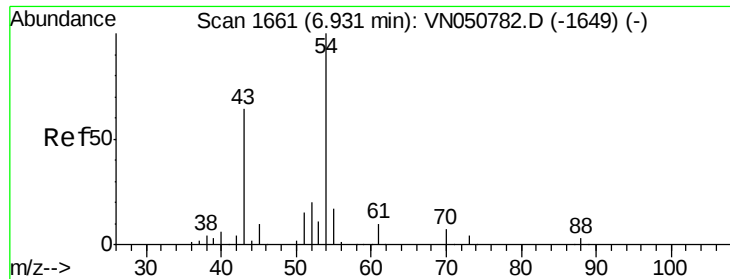
Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Tgt Ion:	75	Resp:	220930
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.1	54.4
77	30.4	24.8	37.2





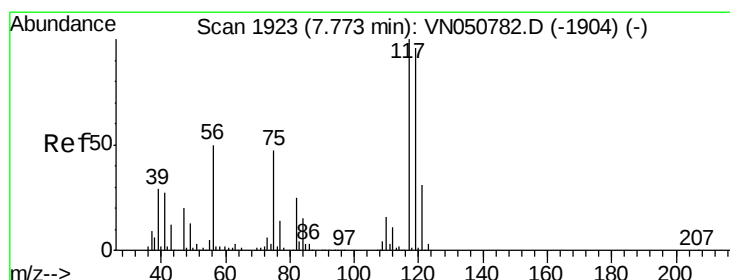
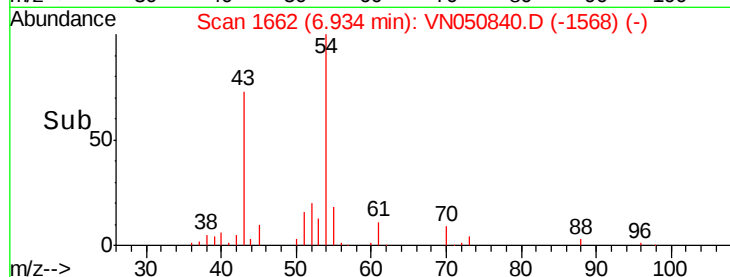
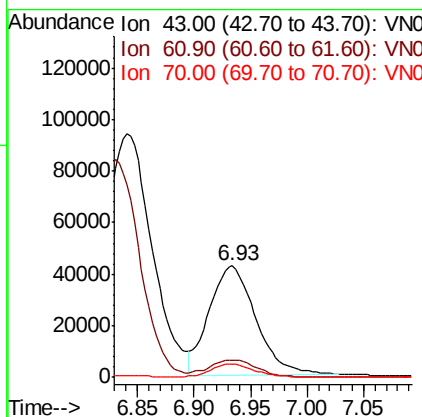
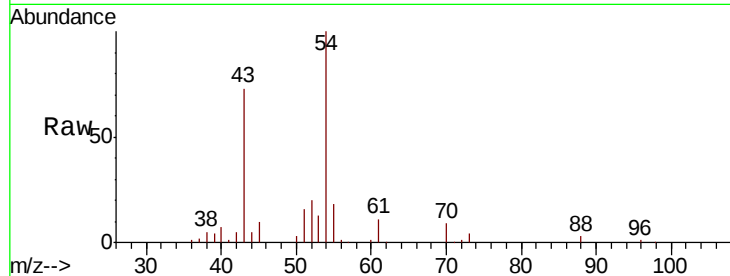
#37
Ethyl Acetate
Concen: 19.45 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.0	18.0
70	11.5	8.6	13.0

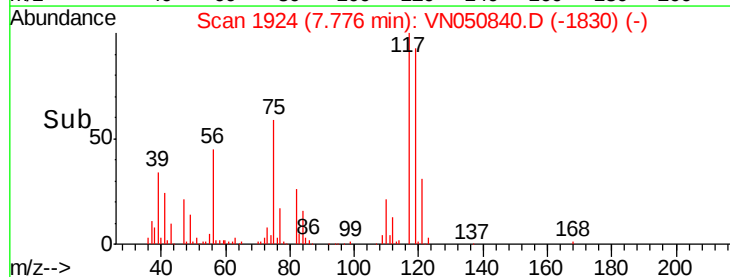
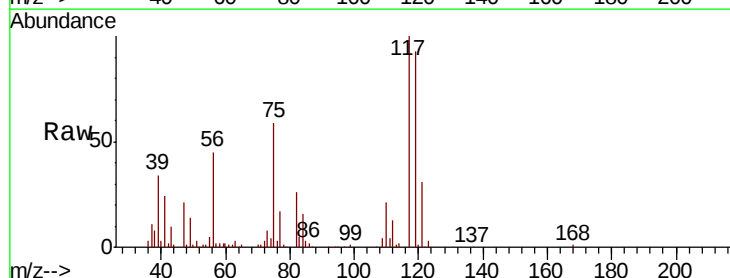
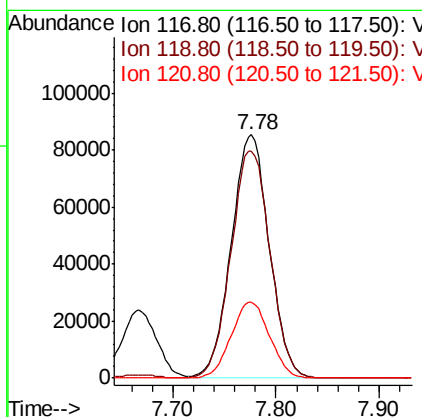
Manual Integrations
APPROVED

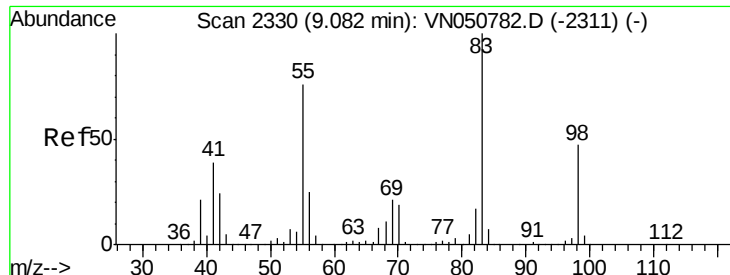
MMDadoda
8/24/2018 10:40:42 AM



#38
Carbon Tetrachloride
Concen: 19.69 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.3	114.5
121	31.0	24.6	36.8





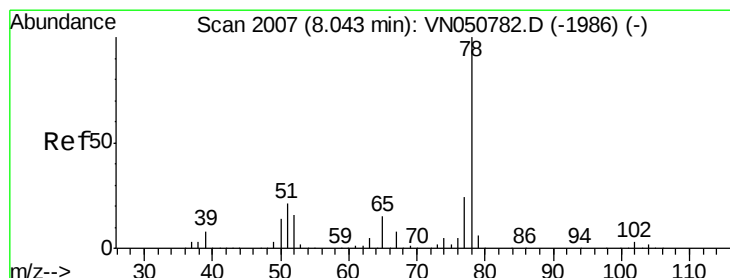
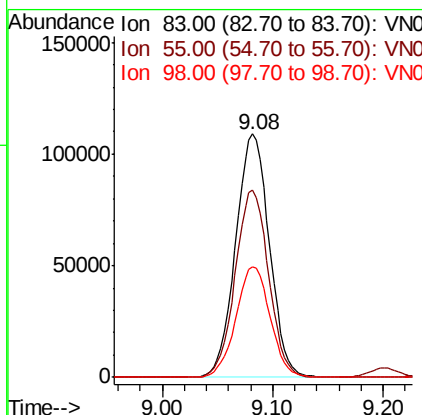
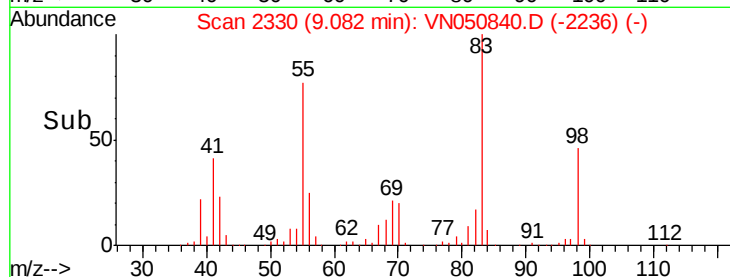
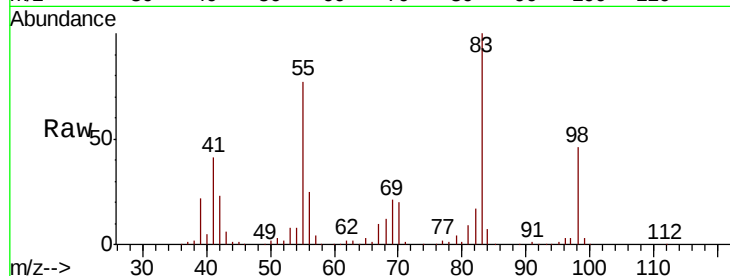
#39
Methylvlcyclohexane
Concen: 19.37 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.0	91.4
98	45.6	37.5	56.3

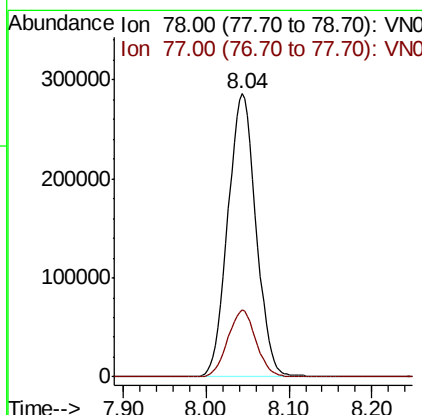
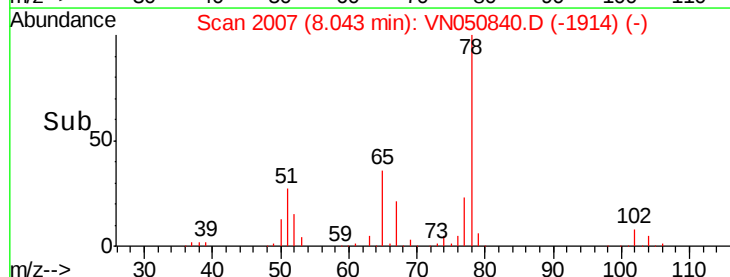
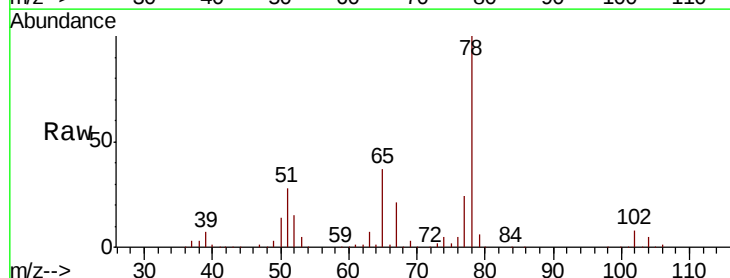
Manual Integrations
APPROVED

MMDadoda
8/24/2018 10:40:42 AM



#40
Benzene
Concen: 20.40 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





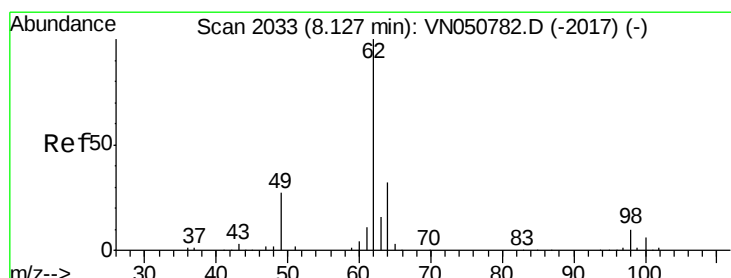
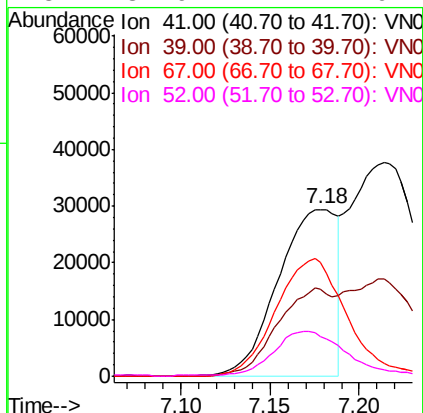
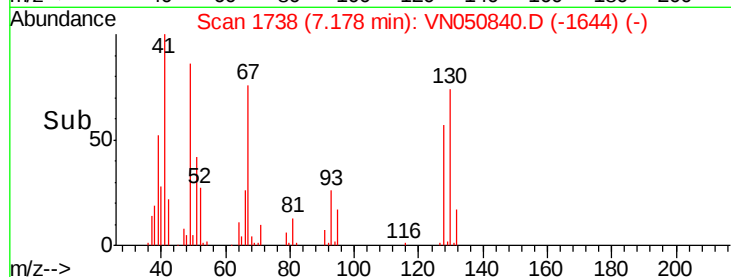
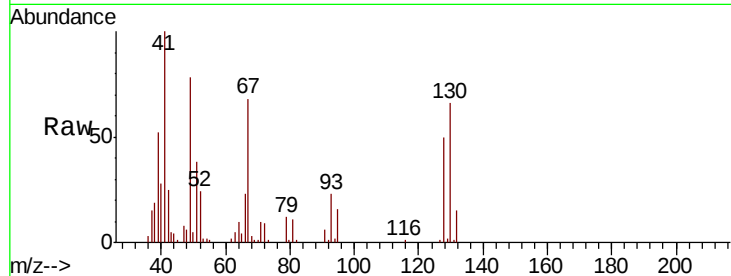
#41
Methacrylonitrile
Concen: 19.75 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		67535		
39	47.9	45.4	68.0		
67	85.4	70.6	106.0		
52	31.9	27.1	40.7		

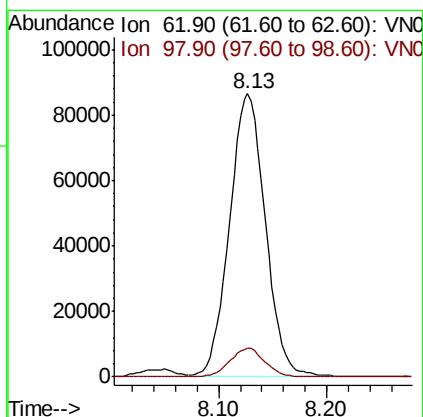
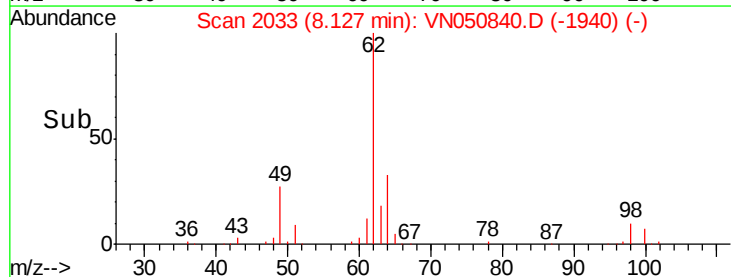
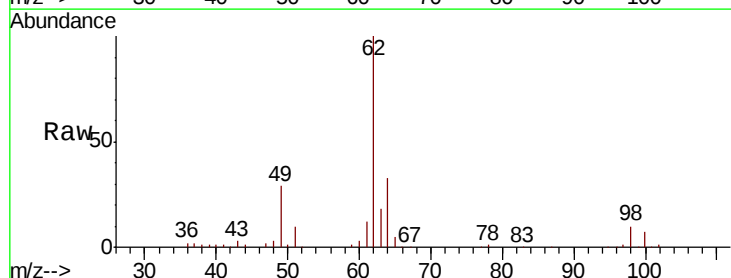
Manual Integrations
APPROVED

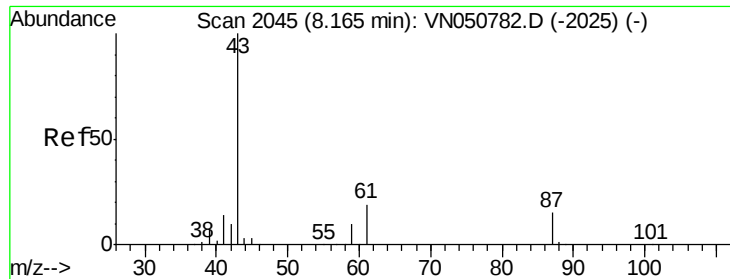
MMDadoda
8/24/2018 10:40:42 AM



#42
1,2-Dichloroethane
Concen: 20.00 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		198267		
98	9.8	0.0	19.6		





#43

Isopropyl Acetate

Concen: 20.38 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

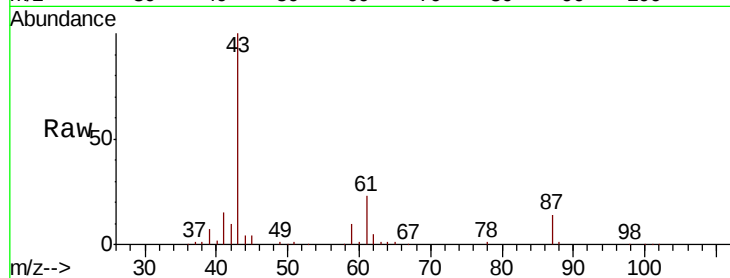
ClientSampleId :

VN0823WBS01

Tot Ion:	43	Resp:	221356
Ion	Ratio	Lower	Upper
43	100		
61	30.9	17.5	26.3#
87	13.7	11.3	16.9

Manual Integrations
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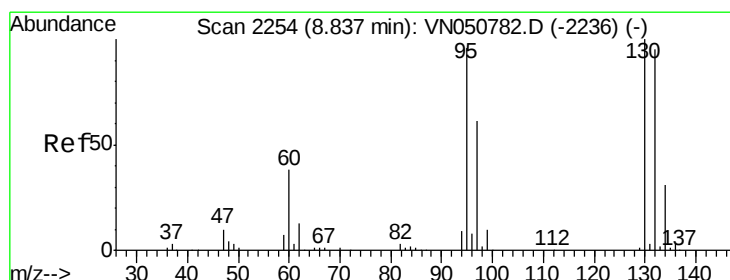
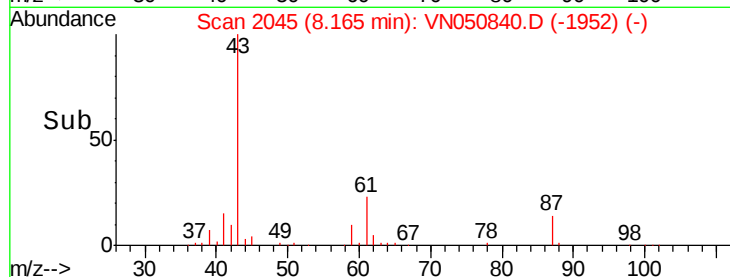
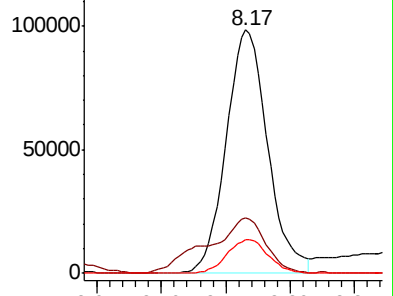
MMDadoda
8/24/2018 10:40:42 AM



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

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

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



#44

Trichloroethene

Concen: 20.06 ug/l

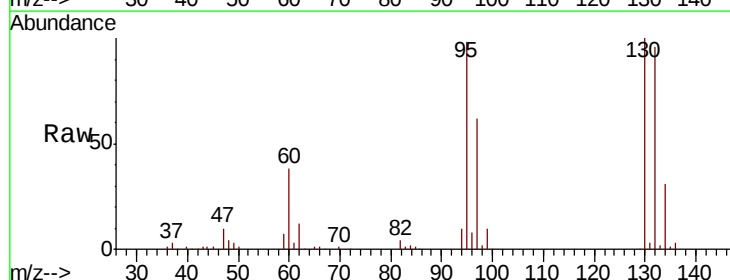
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050840.D

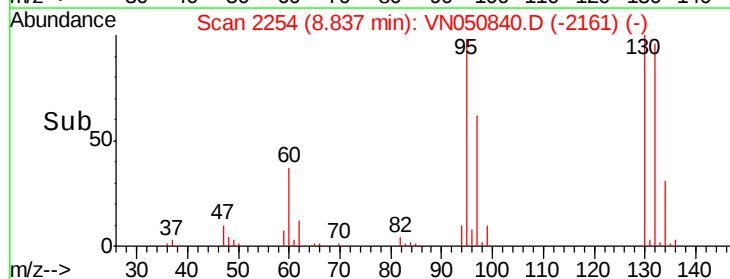
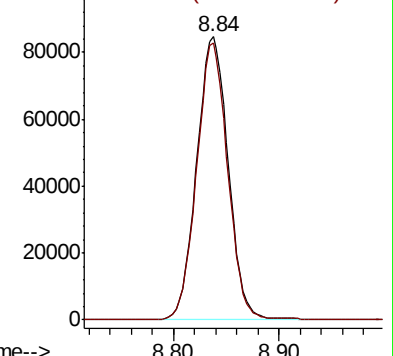
Acq: 23 Aug 2018 9:51

Tgt Ion:	130	Resp:	175458
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	193.0



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

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





#45

1,2-Dichloropropane

Concen: 20.17 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 63 Resp: 175825

Ion Ratio Lower Upper

63 100

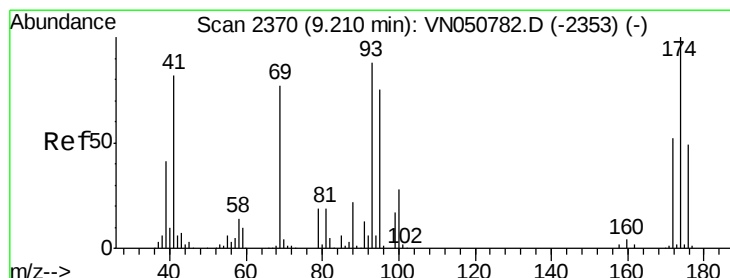
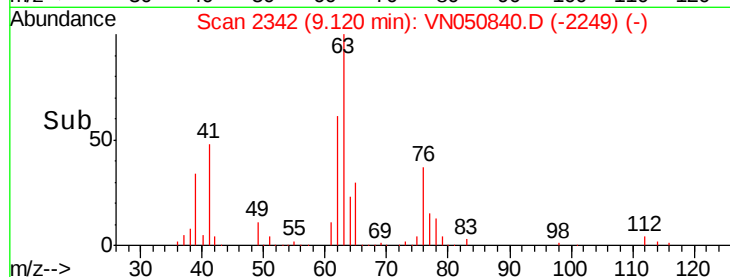
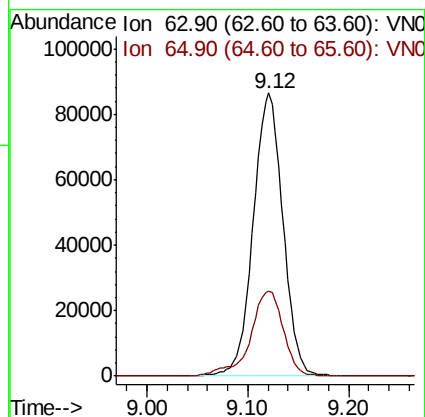
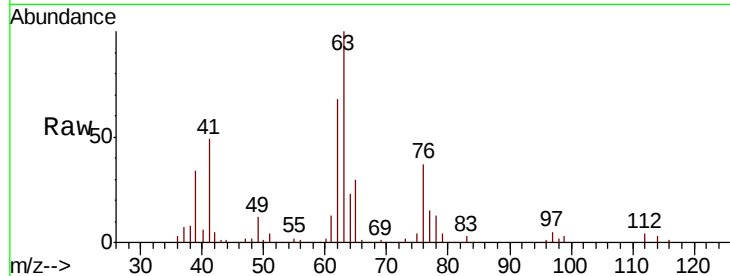
65 30.3 25.0 37.6

Manual Integrations

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MMDadoda

8/24/2018 10:40:42 AM



#46

Dibromomethane

Concen: 19.72 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

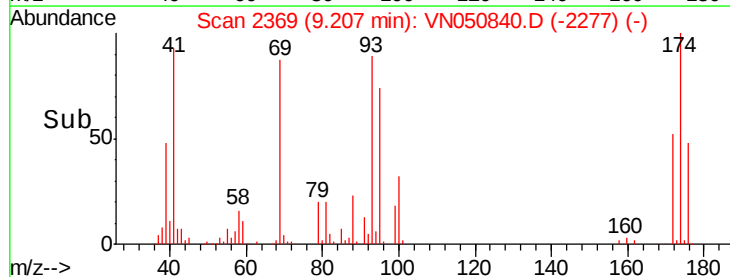
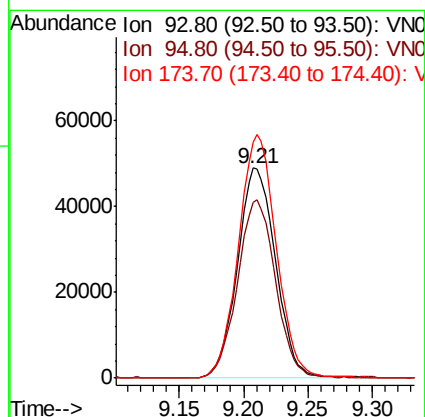
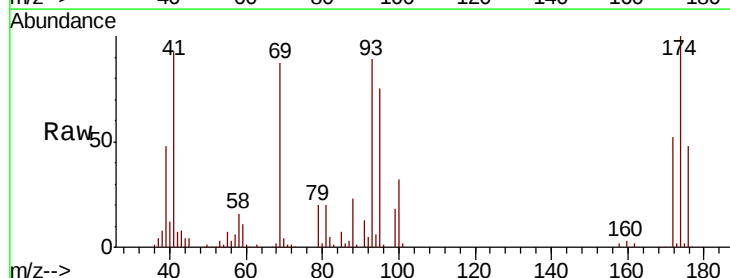
Tgt Ion: 93 Resp: 101009

Ion Ratio Lower Upper

93 100

95 84.5 66.7 100.1

174 114.5 89.8 134.6





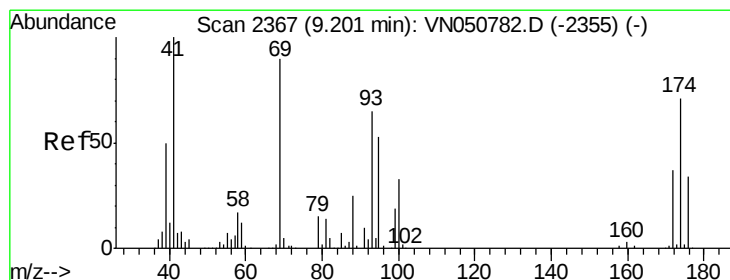
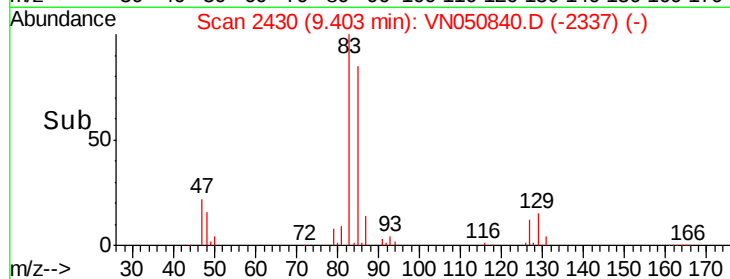
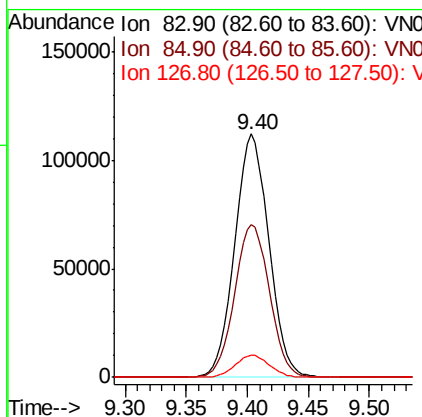
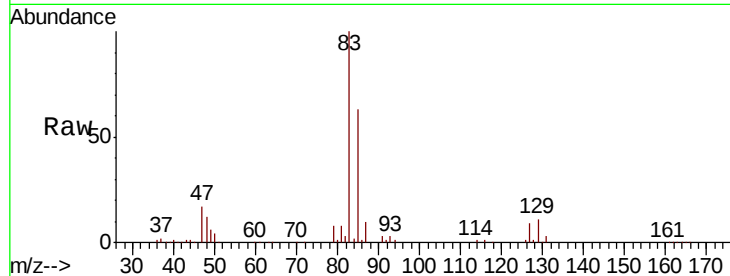
#47
Bromodichloromethane
Concen: 20.26 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	83	Resp	217362
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	52.6	78.8
127	9.1	7.2	10.8

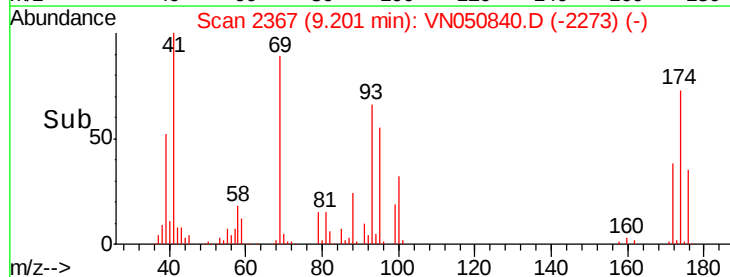
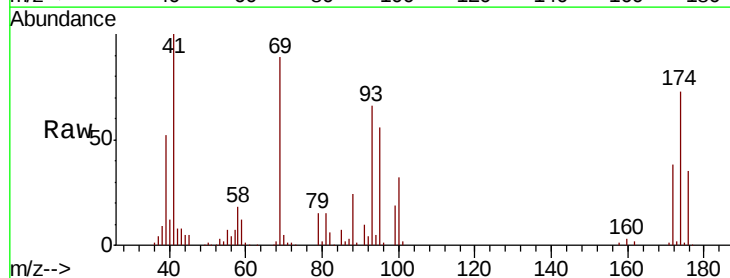
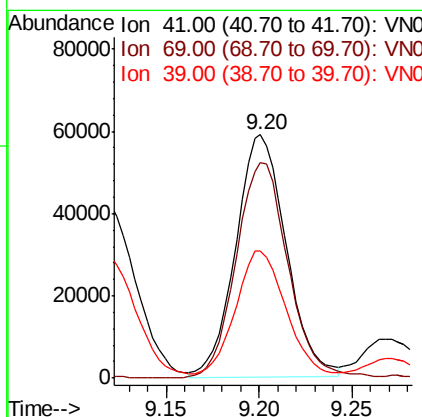
Manual Integrations
APPROVED

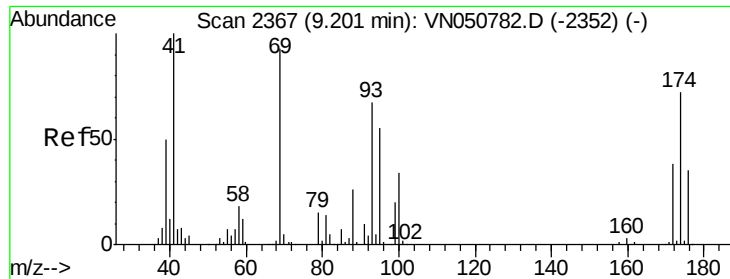
MMDadoda
8/24/2018 10:40:42 AM



#48
Methyl methacrylate
Concen: 20.12 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	41	Resp	111385
Ion Ratio	100	Lower	Upper
41	100		
69	91.7	74.7	112.1
39	53.0	42.2	63.2





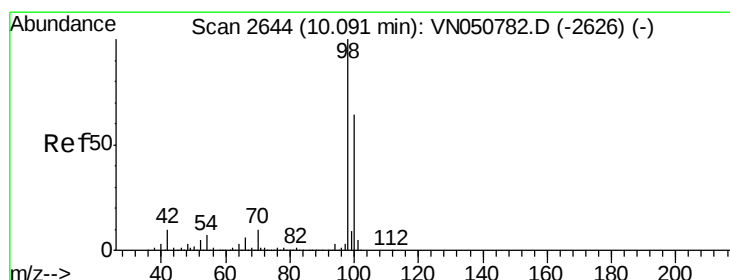
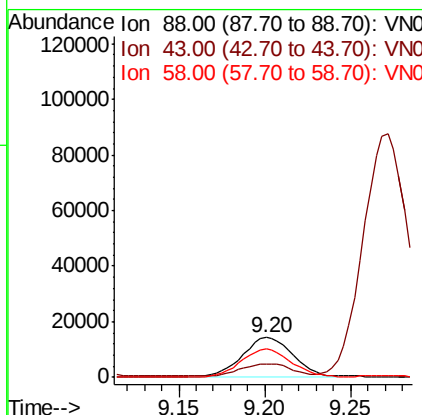
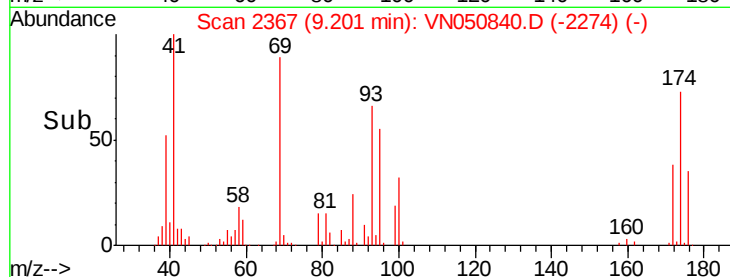
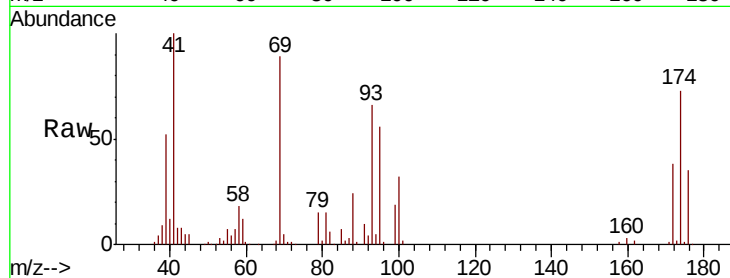
#49
1,4-Dioxane
Concen: 391.61 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	25.9	38.9
58	70.2	55.0	82.4

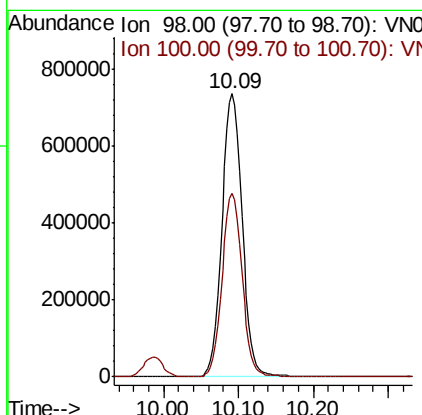
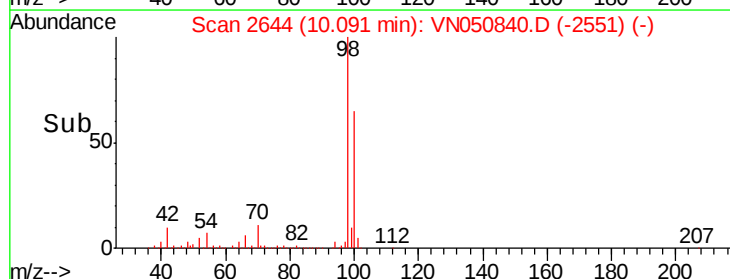
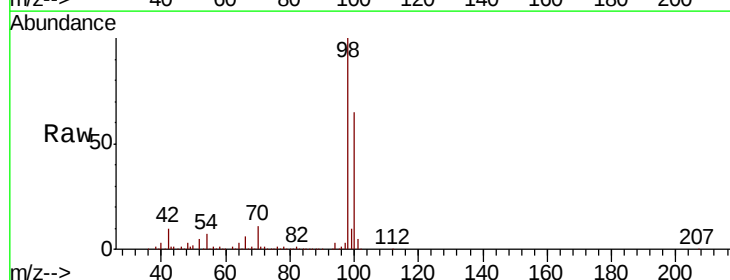
Manual Integrations
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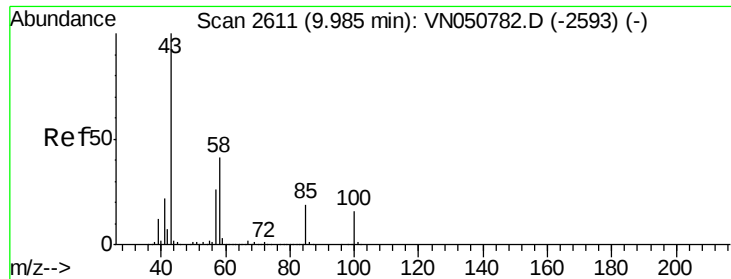
MMDadoda
8/24/2018 10:40:42 AM



#50
Toluene-d8
Concen: 49.67 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 94.41 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 43 Resp: 611955

Ion Ratio Lower Upper

43 100

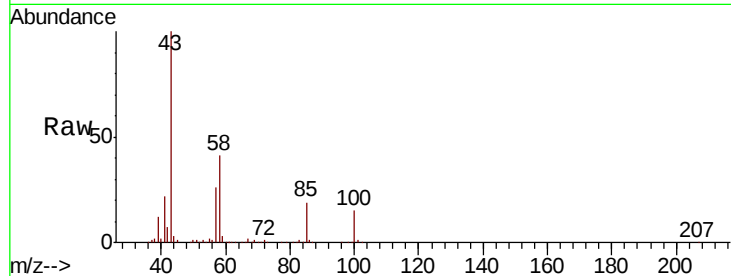
58 40.9 32.4 48.6

Manual Integrations

APPROVED

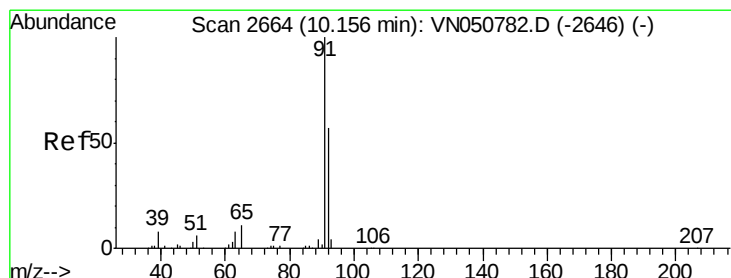
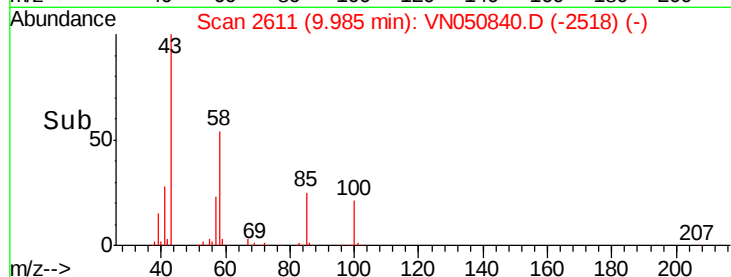
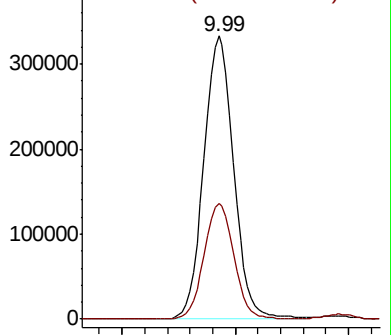
MMDadoda

8/24/2018 10:40:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.88 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050840.D

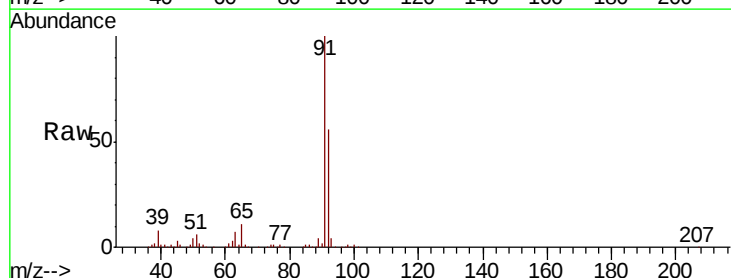
Acq: 23 Aug 2018 9:51

Tgt Ion: 92 Resp: 410150

Ion Ratio Lower Upper

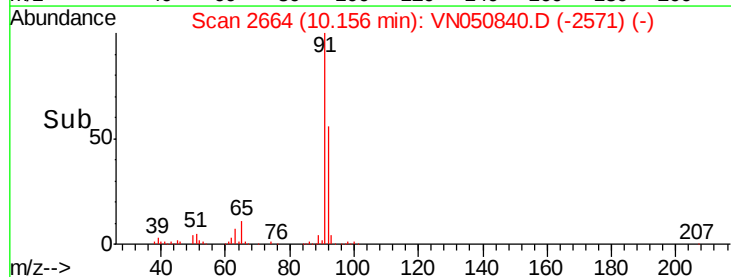
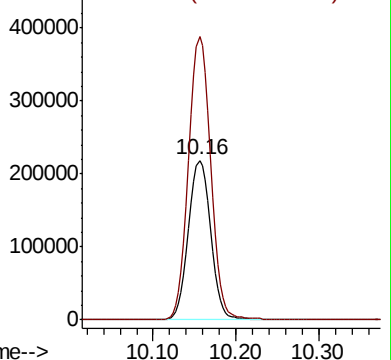
92 100

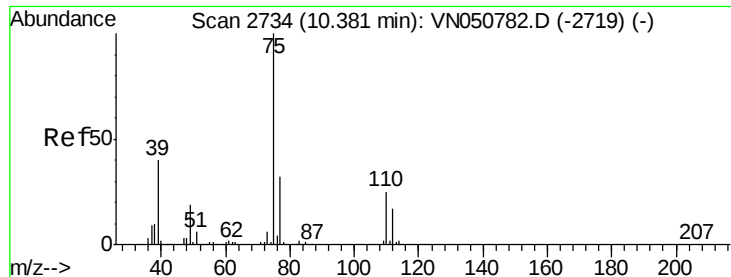
91 175.9 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





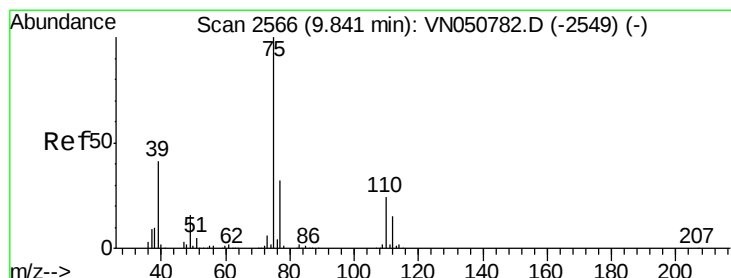
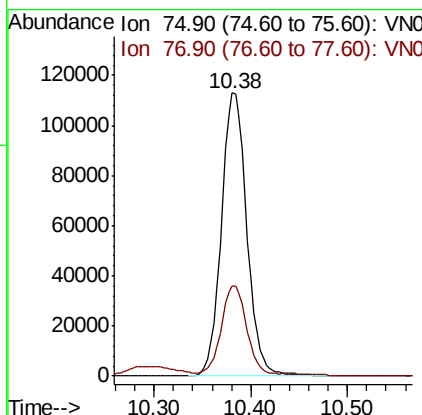
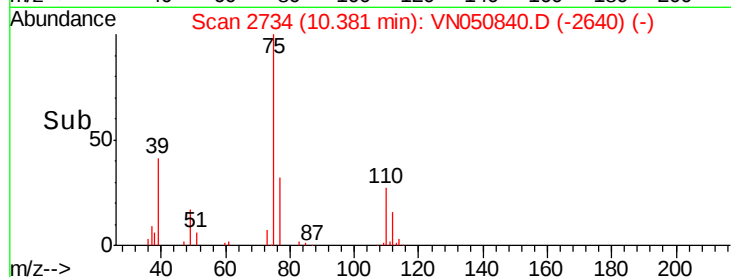
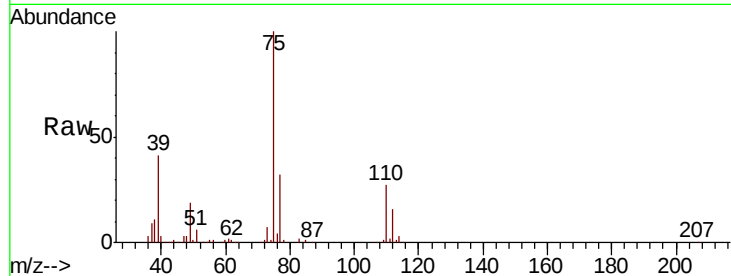
#53
t-1,3-Dichloropropene
Concen: 19.32 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.7	38.5

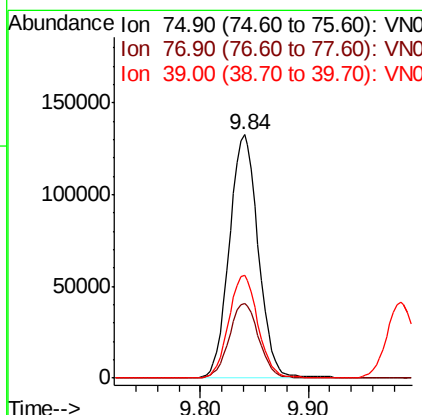
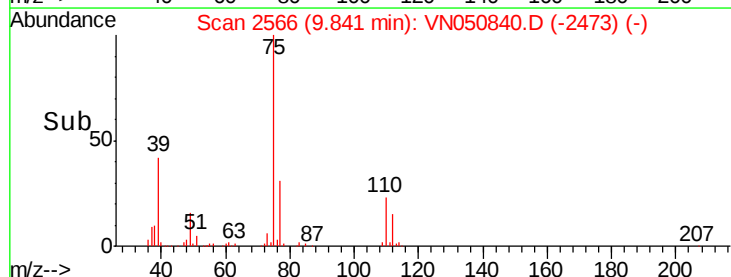
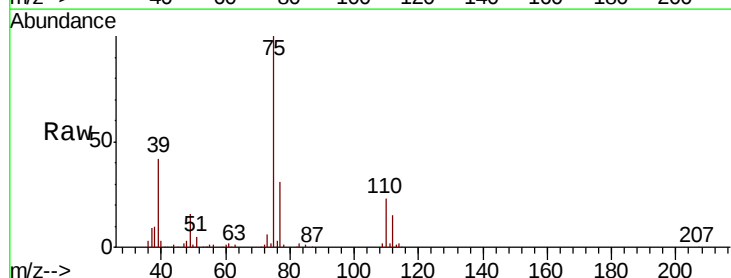
Manual Integrations
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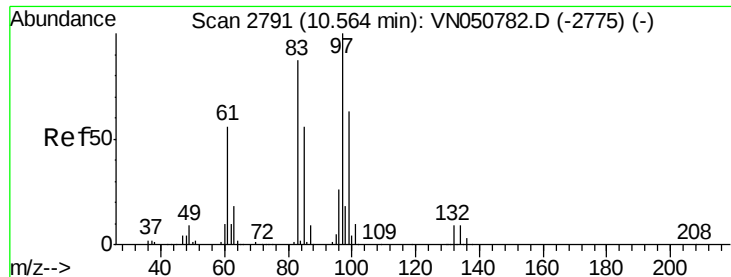
MMDadoda
8/24/2018 10:40:42 AM



#54
cis-1,3-Dichloropropene
Concen: 20.24 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2
39	42.4	33.0	49.4





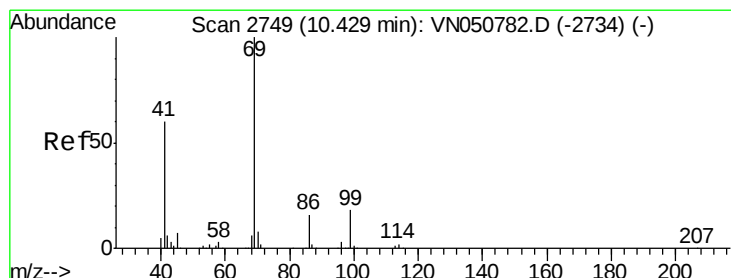
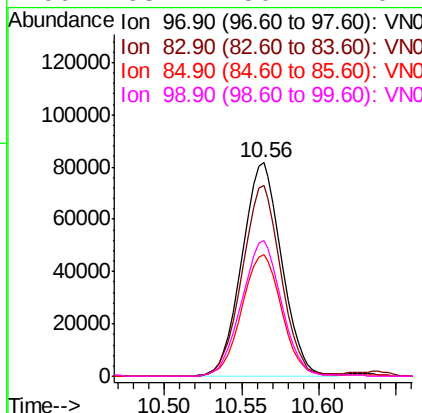
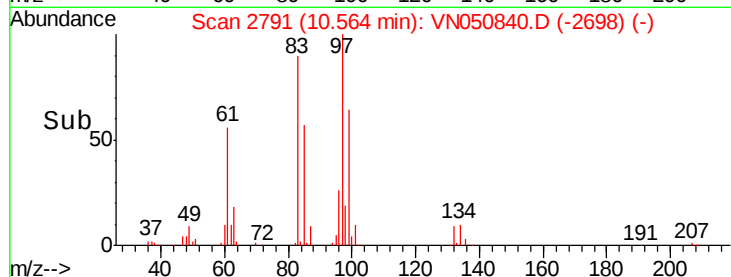
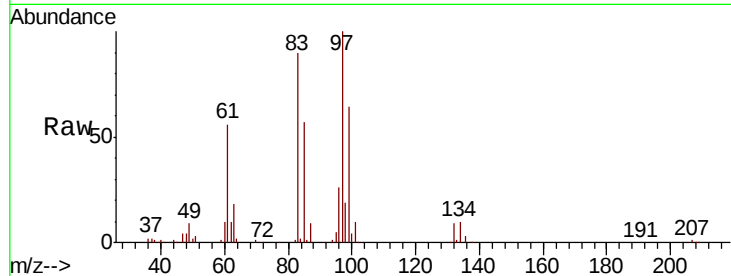
#55
 1,1,2-Trichloroethane
 Concen: 20.10 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146560		
83	89.5	69.7	104.5		
85	56.8	44.5	66.7		
99	63.7	50.7	76.1		

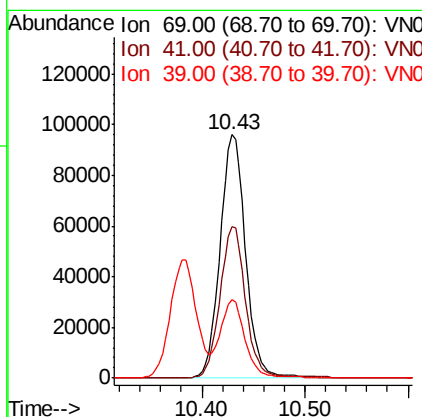
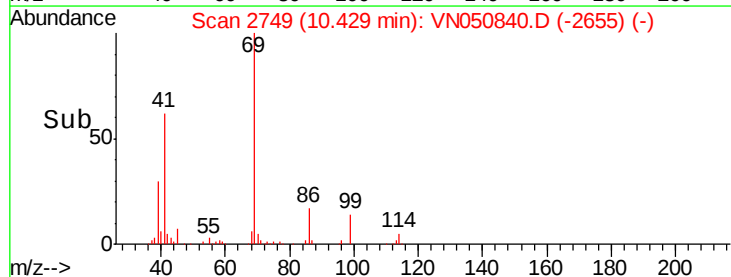
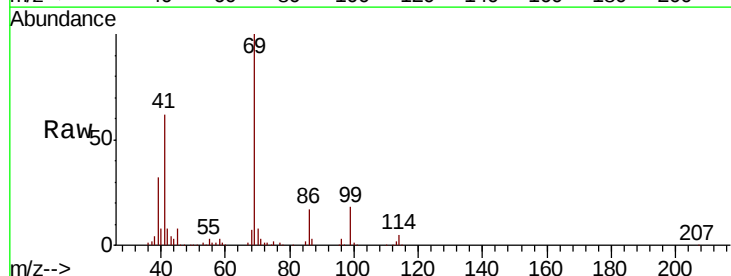
Manual Integrations
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 8/24/2018 10:40:42 AM



#56
 Ethyl methacrylate
 Concen: 18.95 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		165218		
41	61.1	48.3	72.5		
39	30.9	24.0	36.0		





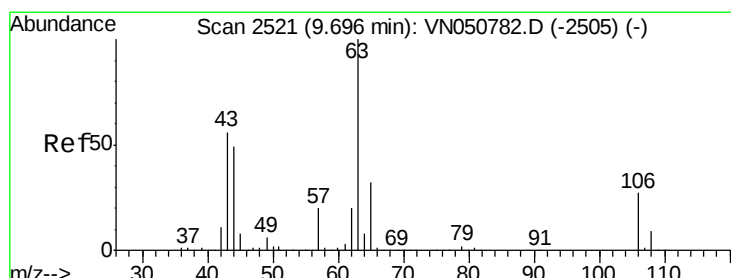
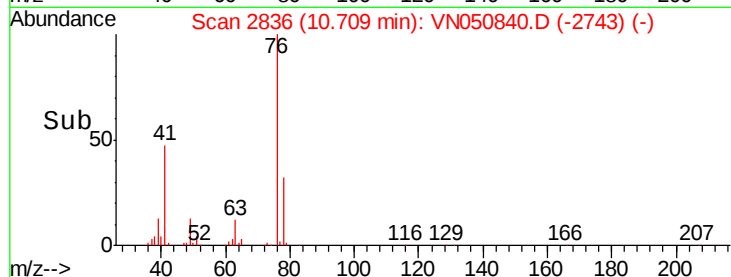
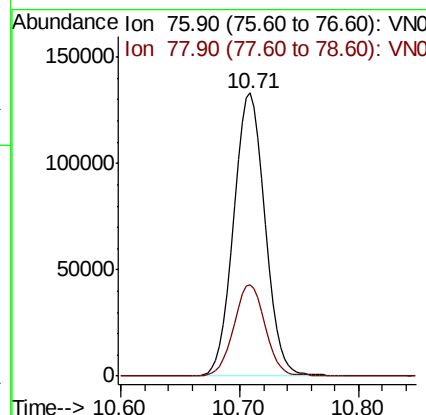
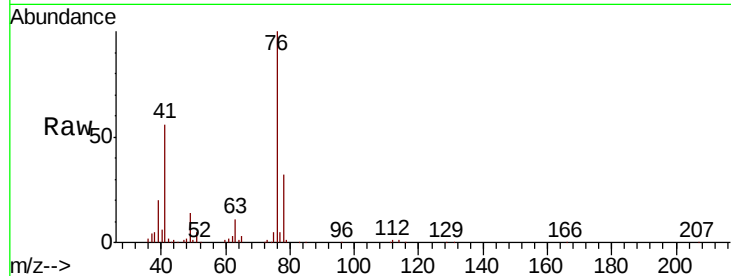
#57
 1,3-Dichloropropane
 Concen: 20.27 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0823WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

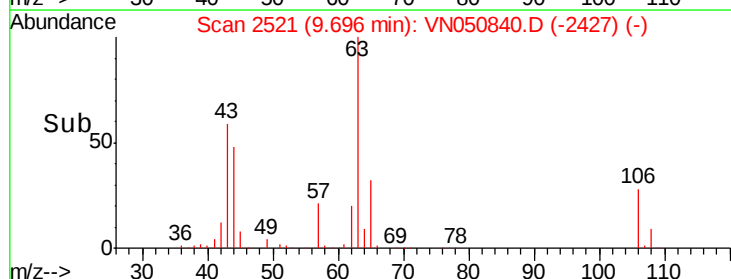
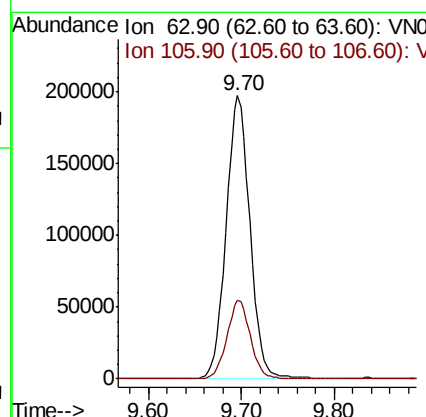
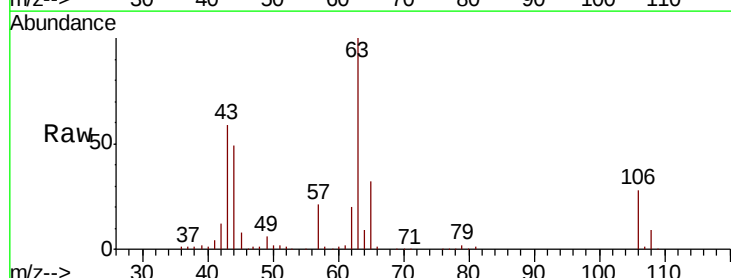
Manual Integrations
 APPROVED

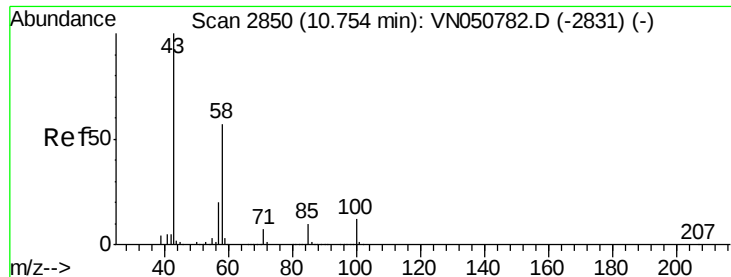
MMDadoda
 8/24/2018 10:40:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.85 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.9	32.9





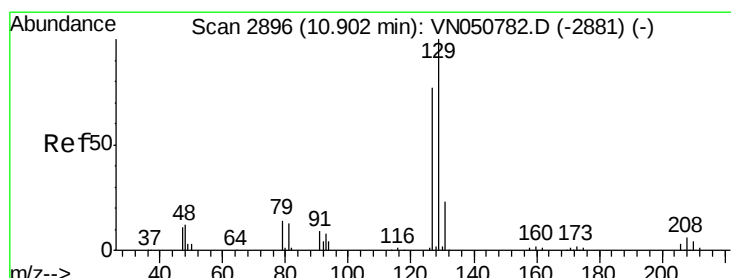
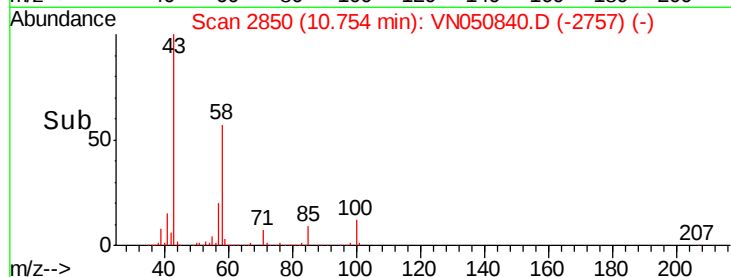
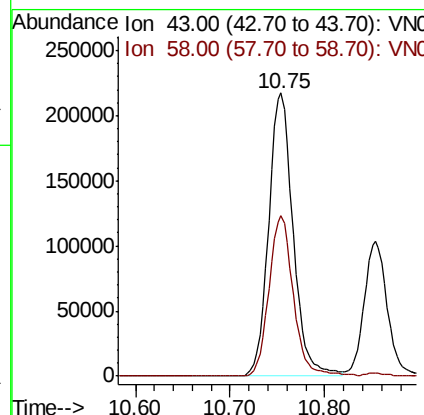
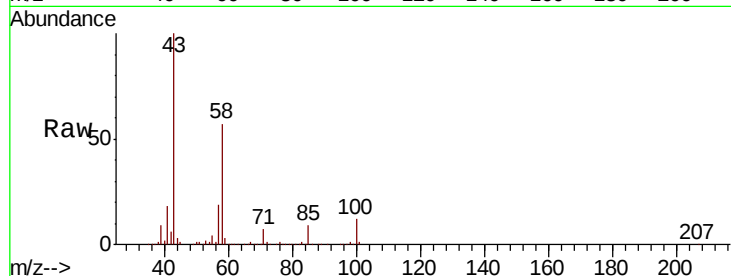
#59
2-Hexanone
Concen: 89.78 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :
VN0823WBS01

Tot Ion	43	Resp	387413
Ion Ratio	43	100	
Lower	58	56.6	28.3
Upper			85.0

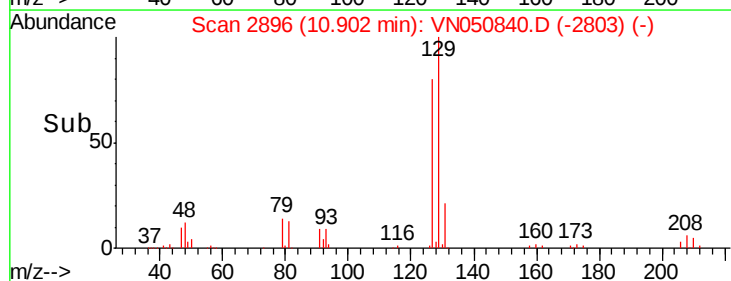
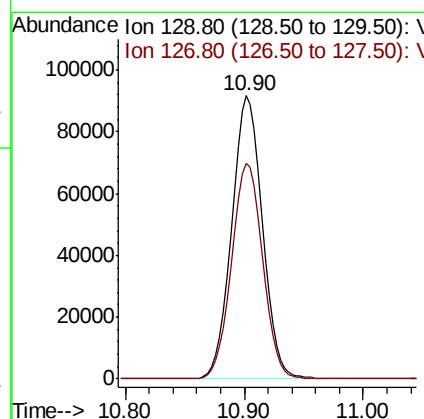
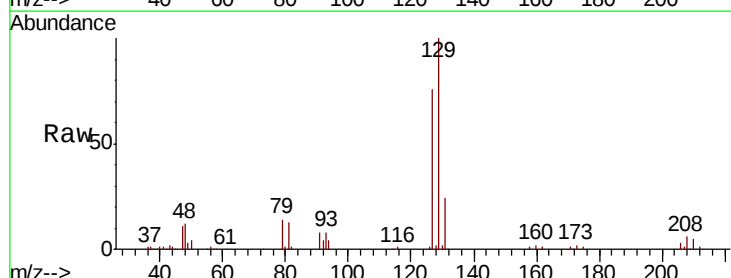
Manual Integrations
APPROVED

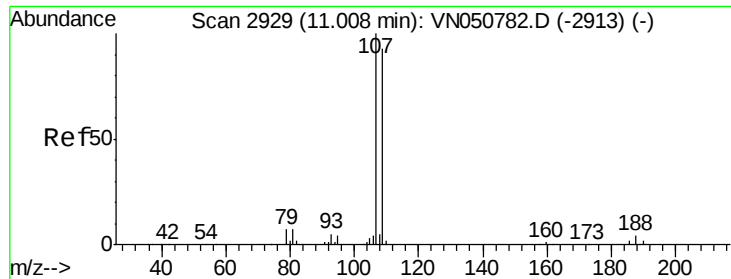
MMDadoda
8/24/2018 10:40:42 AM



#60
Dibromochloromethane
Concen: 20.04 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	129	Resp	163595
Ion Ratio	129	100	
Lower	127	77.3	38.3
Upper			114.9





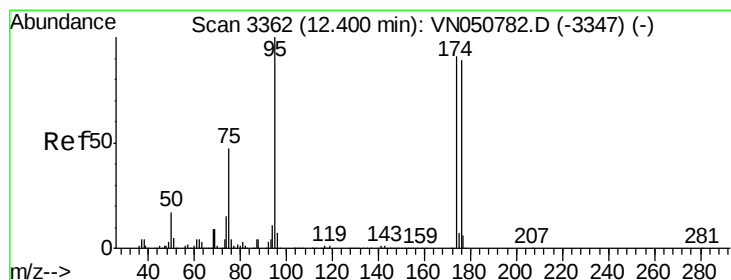
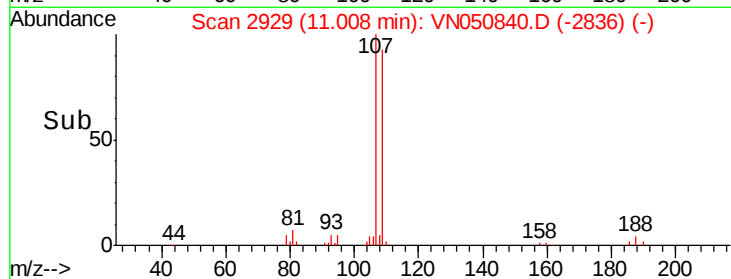
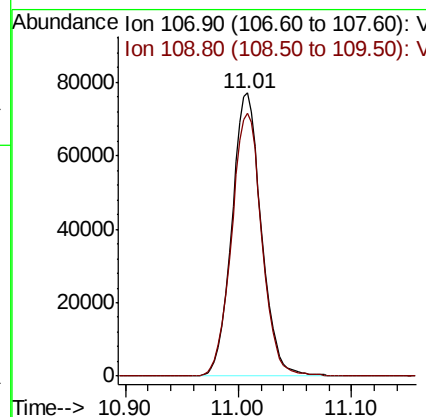
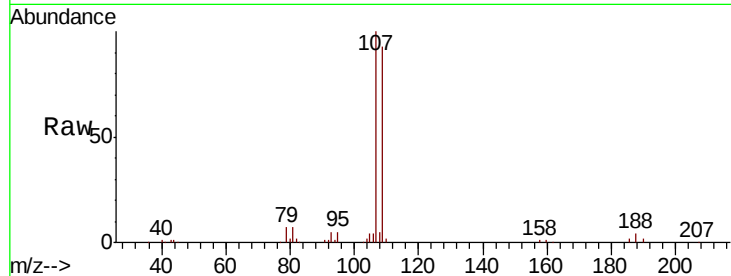
#61
 1,2-Dibromoethane
 Concen: 19.81 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	139701		
109	95.5	75.4	113.2	

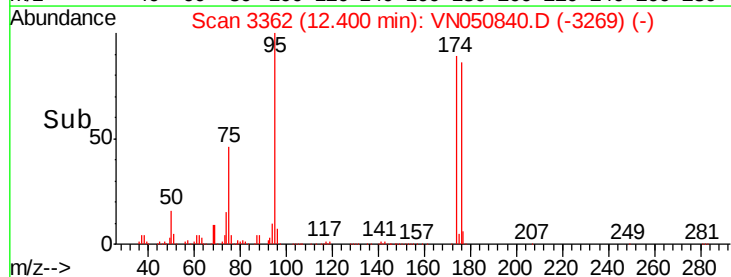
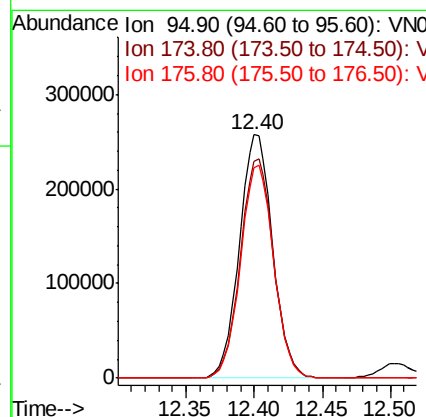
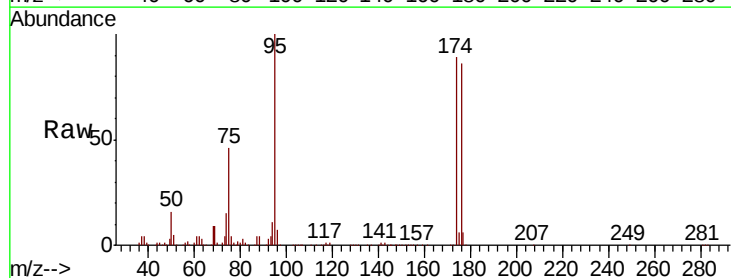
Manual Integrations
 APPROVED

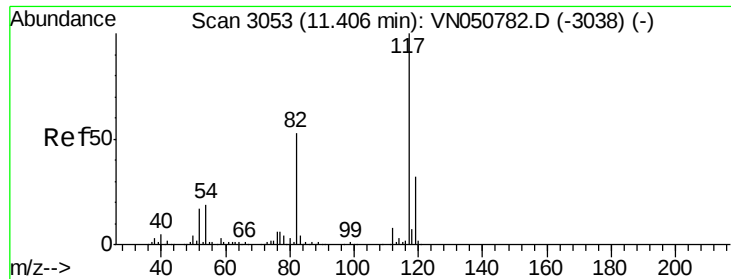
MMDadoda
 8/24/2018 10:40:42 AM



#62
 4-Bromofluorobenzene
 Concen: 47.16 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	434433		
174	90.2	0.0	183.0	
176	87.4	0.0	178.8	





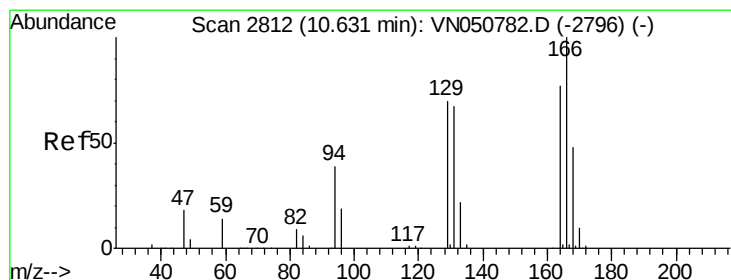
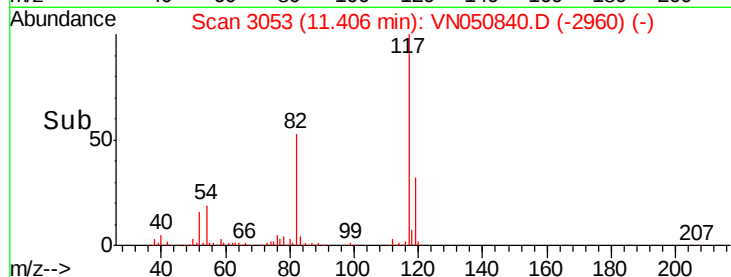
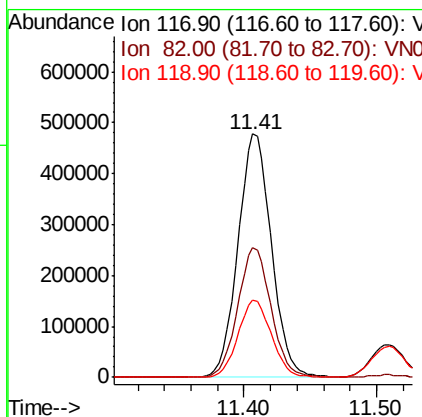
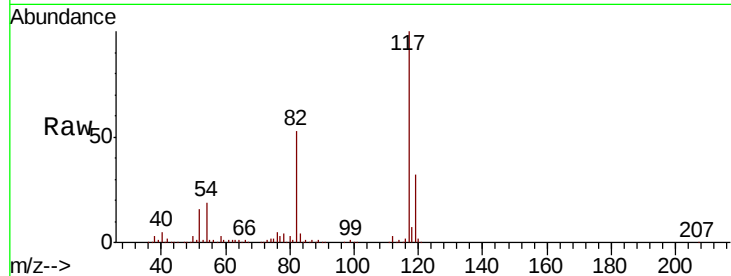
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.6	64.0
119	31.8	25.8	38.6

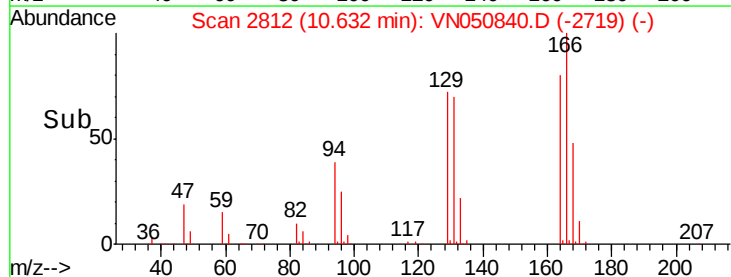
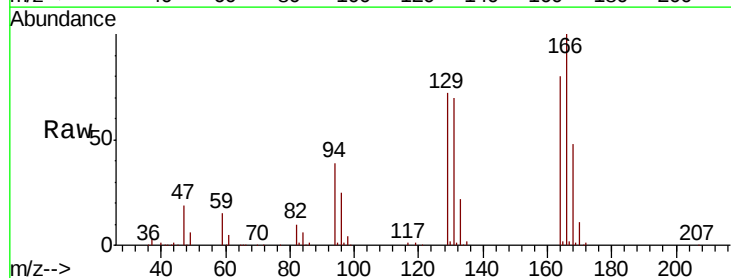
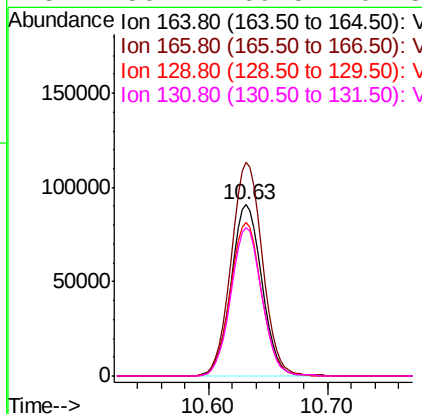
Manual Integrations
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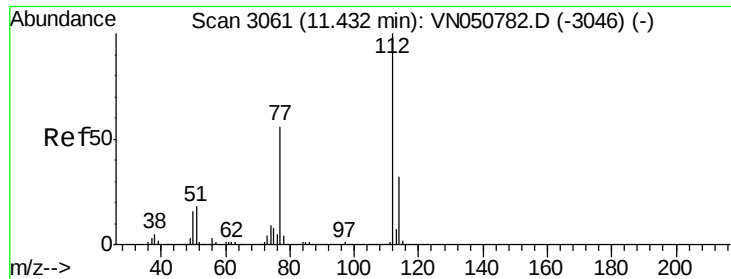
MMDadoda
8/24/2018 10:40:42 AM



#64
Tetrachloroethene
Concen: 20.55 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.5	155.3
129	89.5	72.7	109.1
131	86.7	69.5	104.3





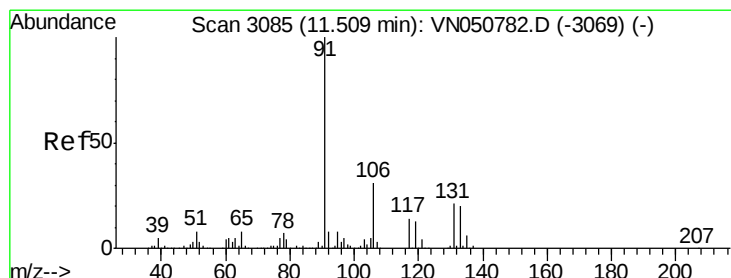
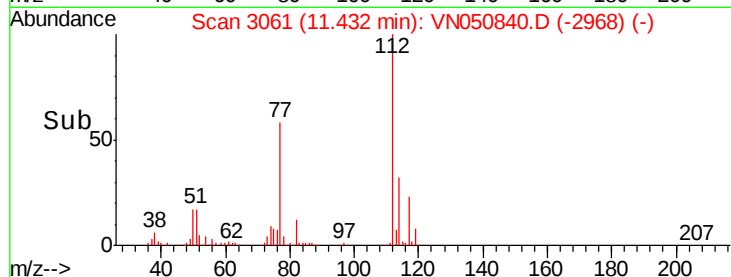
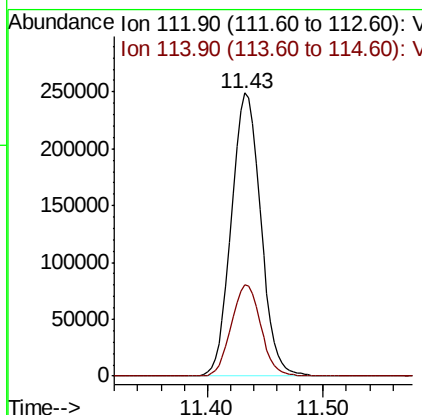
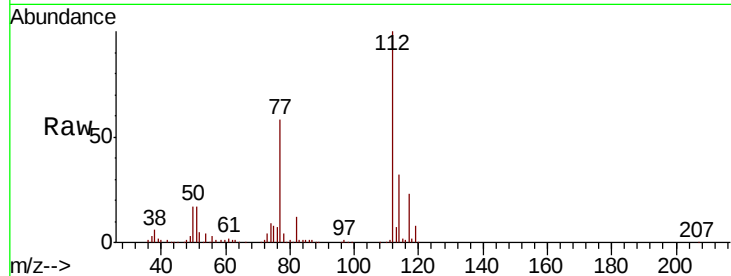
#65
Chlorobenzene
Concen: 19.94 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.6	38.4

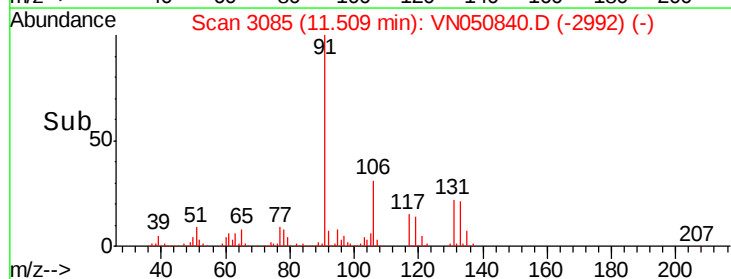
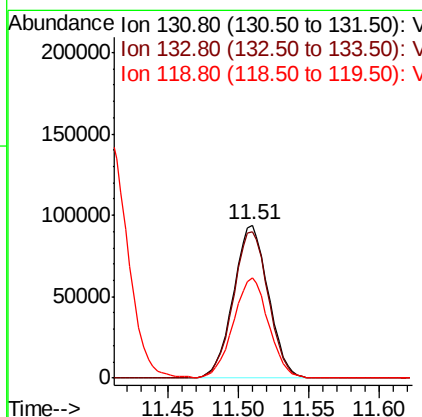
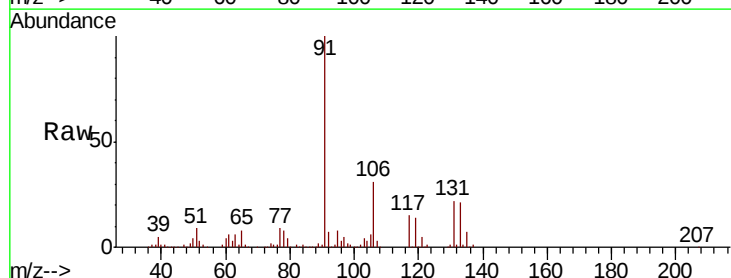
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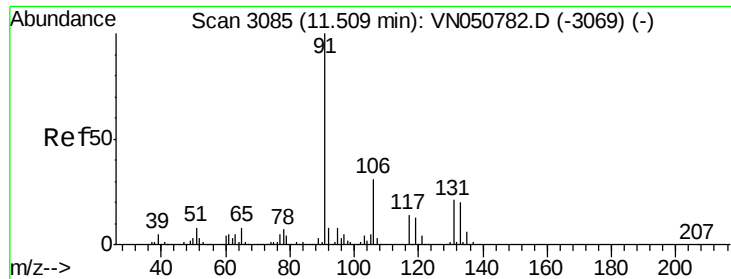
MMDadoda
8/24/2018 10:40:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.40 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.4	142.3
119	66.2	32.8	98.4





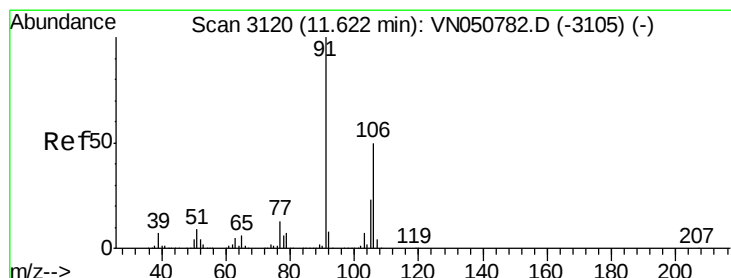
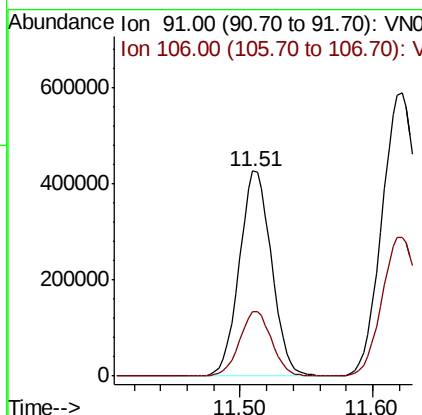
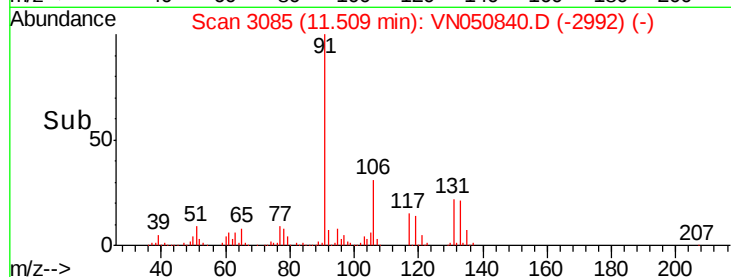
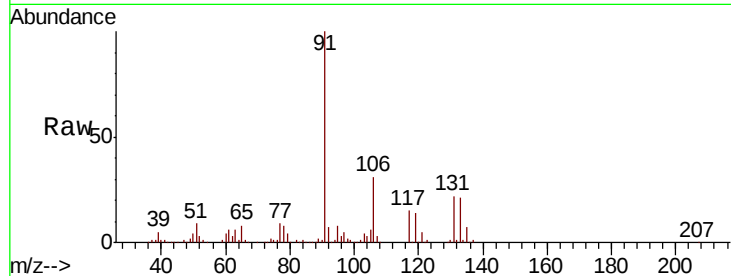
#67
Ethyl Benzene
Concen: 20.26 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion: 91 Resp: 721270
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

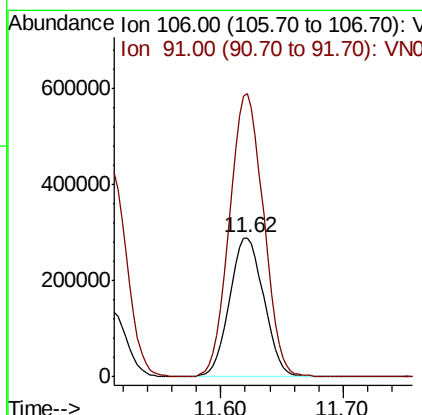
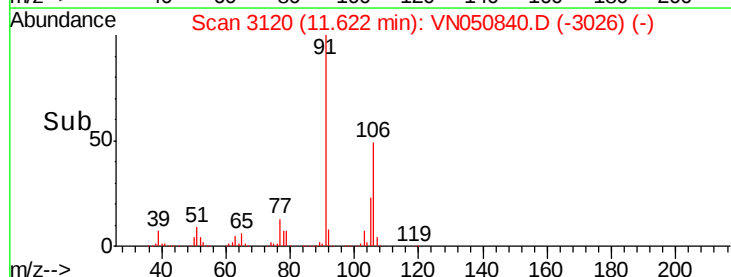
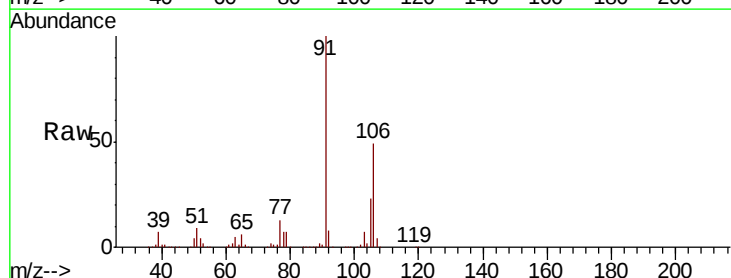
Manual Integrations
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8/24/2018 10:40:42 AM



#68
m/p-Xylenes
Concen: 41.90 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 106 Resp: 566208
Ion Ratio Lower Upper
106 100
91 202.4 161.0 241.6





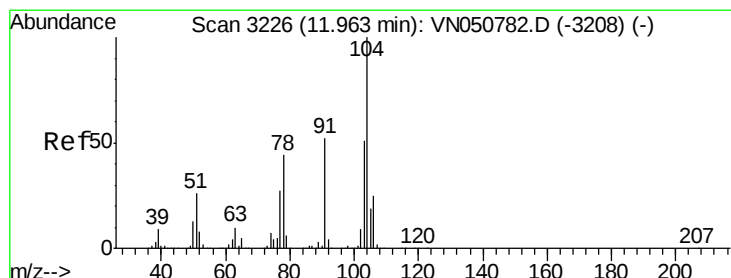
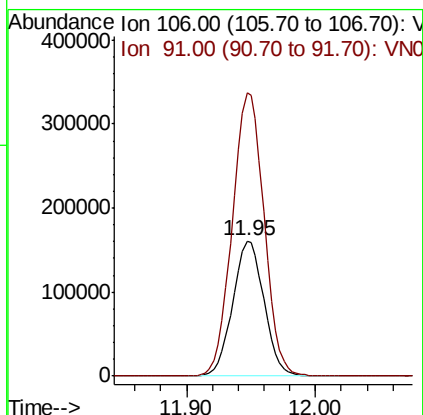
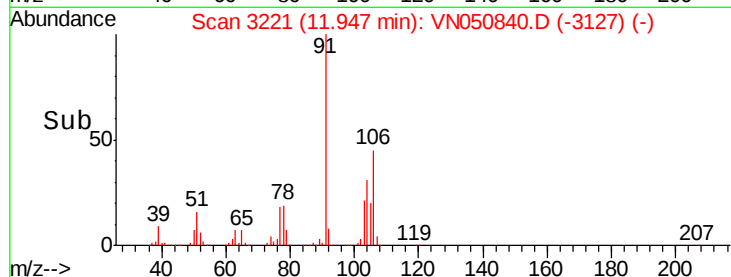
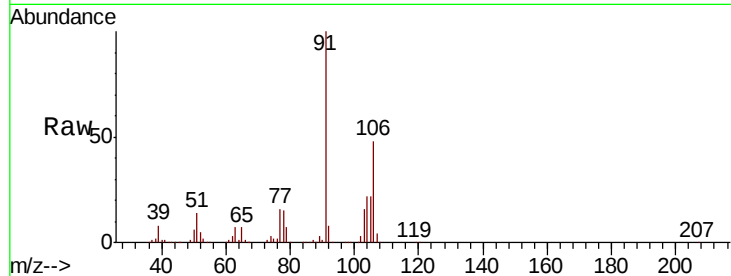
#69
o-Xylene
Concen: 20.81 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :
VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	270419		
91	212.6	106.5	319.5	

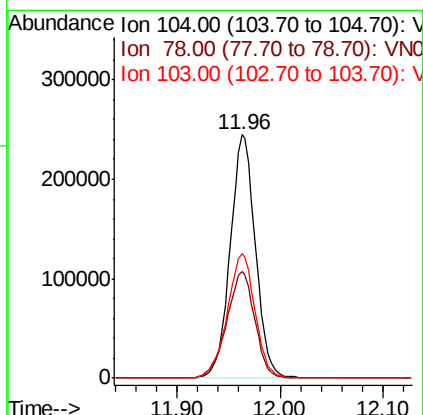
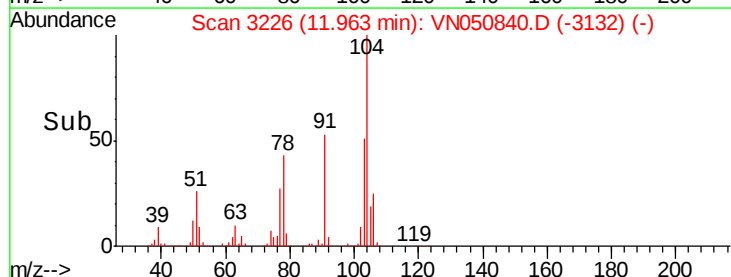
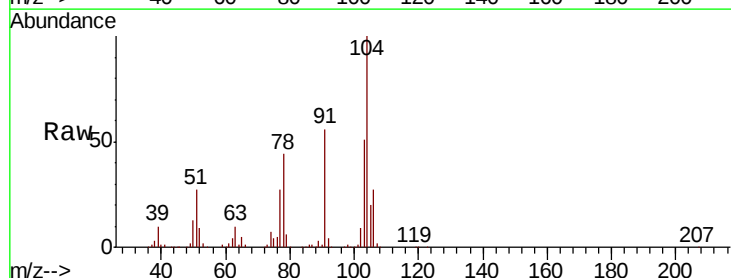
Manual Integrations
APPROVED

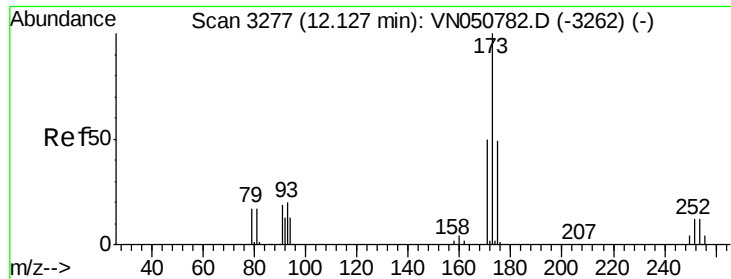
MMDadoda
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#70
Styrene
Concen: 19.03 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	417298		
78	48.4	38.2	57.4	
103	56.3	44.4	66.6	





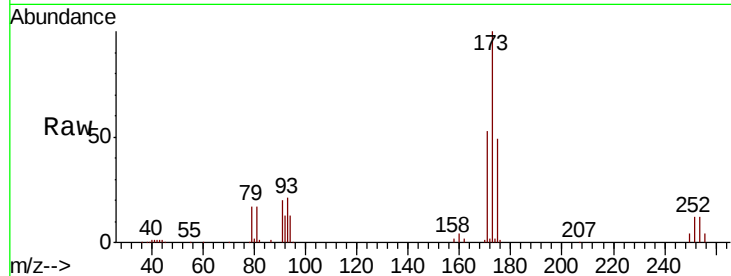
#71
Bromoform
Concen: 19.56 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.4	73.4
254	0.0	0.1	0.1#

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8/24/2018 10:40:42 AM

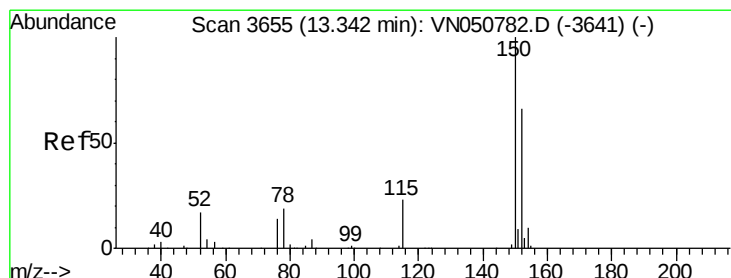
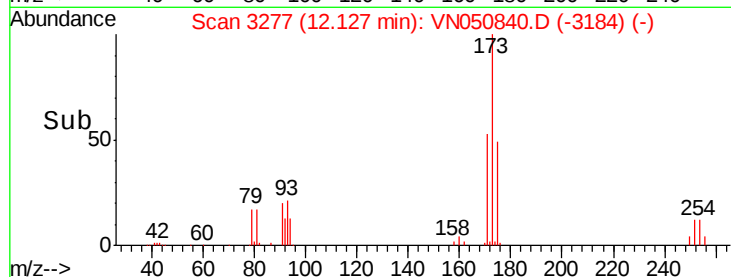
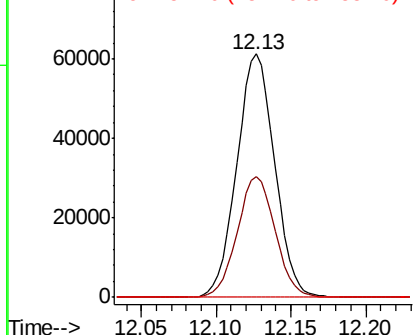


Abundance

Ion 172.70 (172.40 to 173.40): V

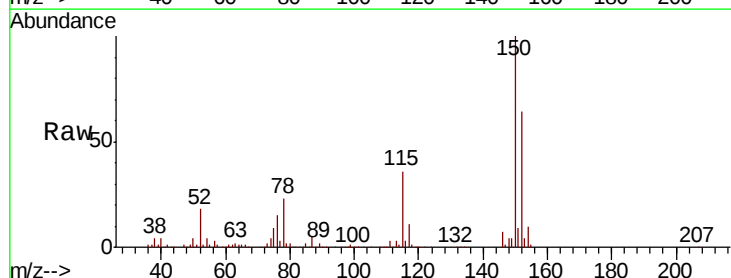
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.8	83.4
150	165.0	0.0	351.4

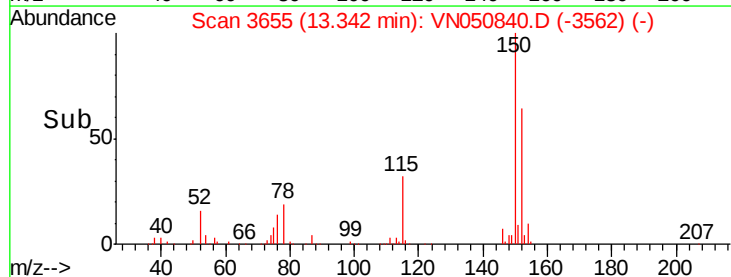
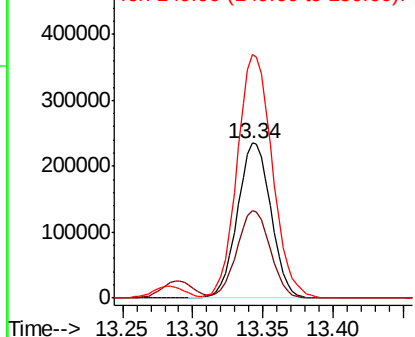


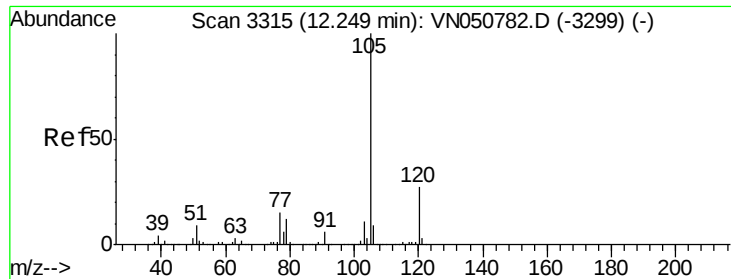
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.95 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

VN0823WBS01

Tot Ion: 105 Resp: 711193

Ion Ratio Lower Upper

105 100

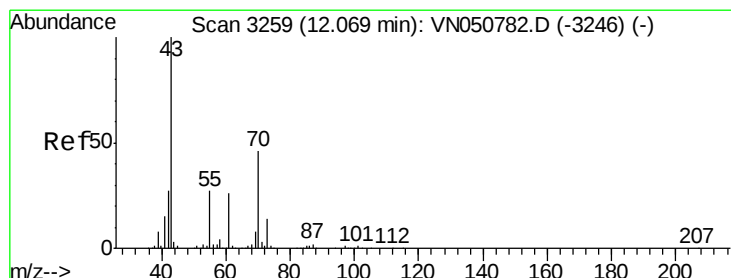
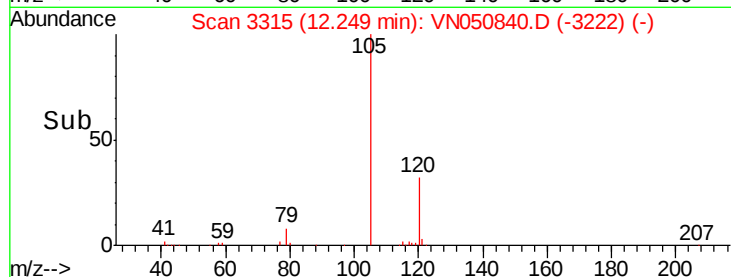
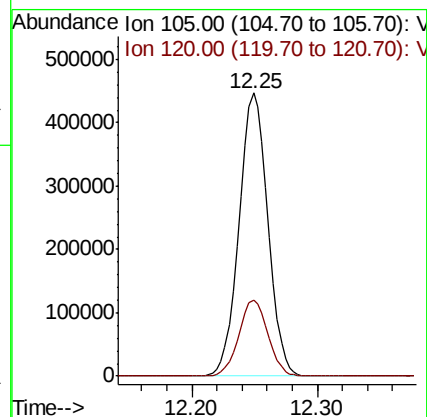
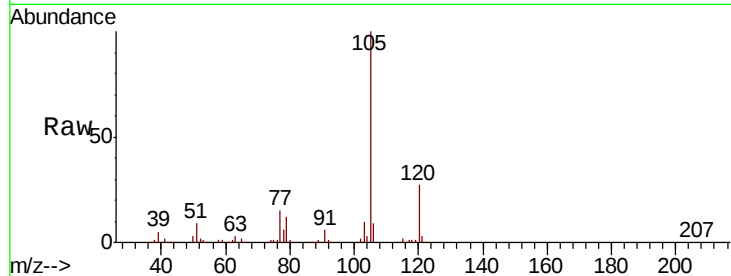
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.80 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Tgt Ion: 43 Resp: 161206

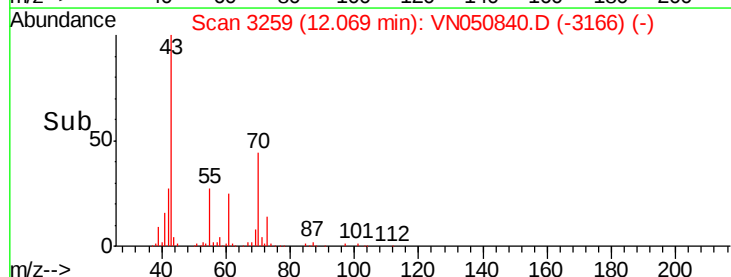
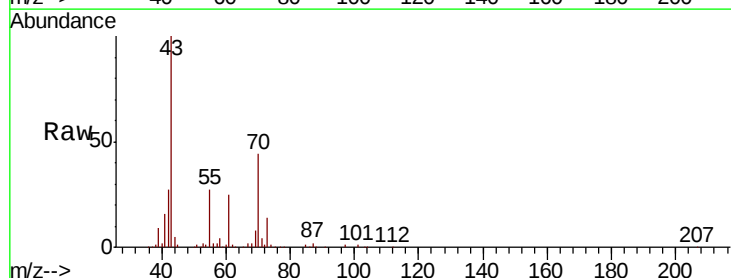
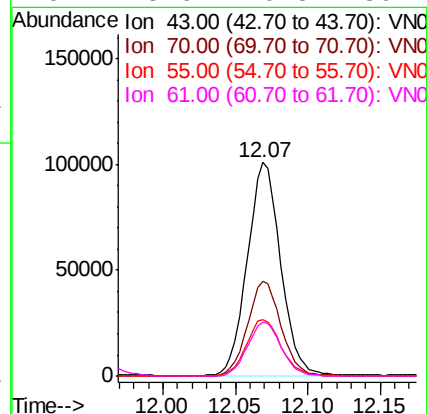
Ion Ratio Lower Upper

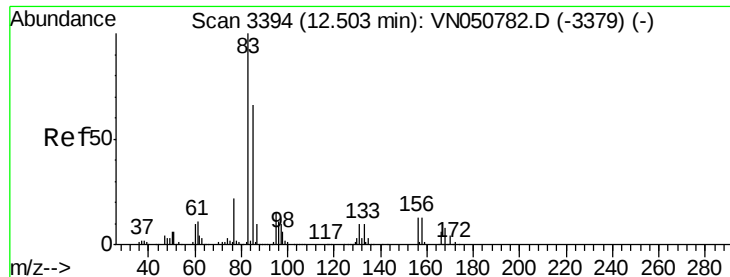
43 100

70 44.7 36.2 54.2

55 27.6 21.8 32.8

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.11 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

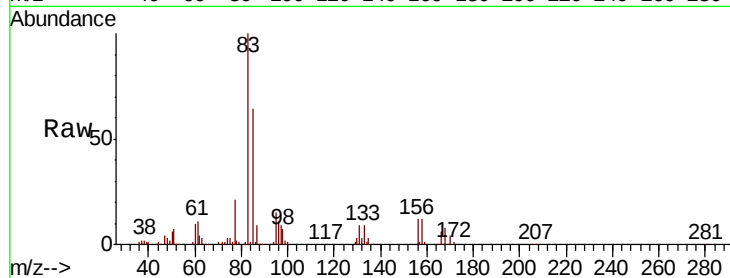
ClientSampled :

VN0823WBS01

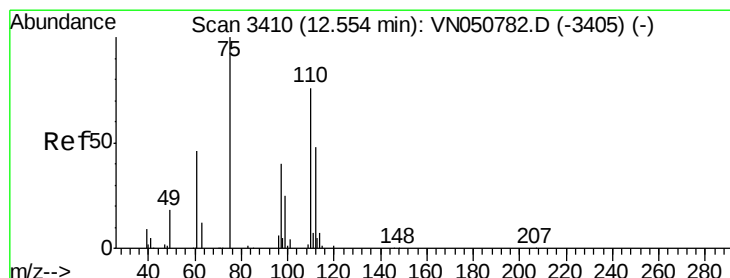
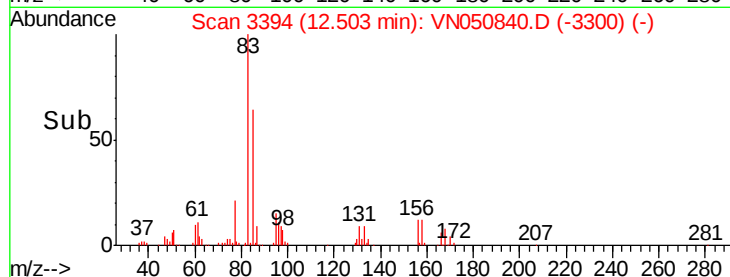
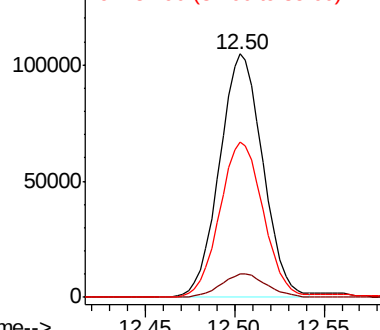
Tot Ion:	83	Resp:	177792
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.9
85	64.1	31.9	95.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050840.D (-3300) (-)



#76

1,2,3-Trichloropropane

Concen: 21.68 ug/l m

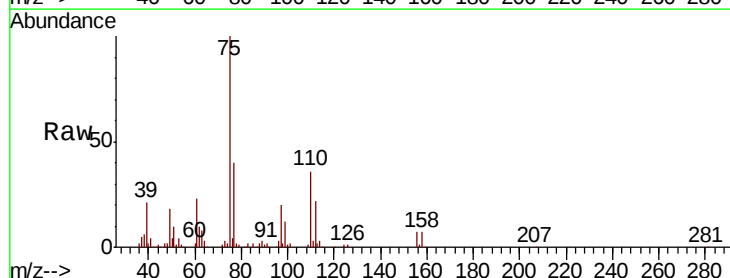
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

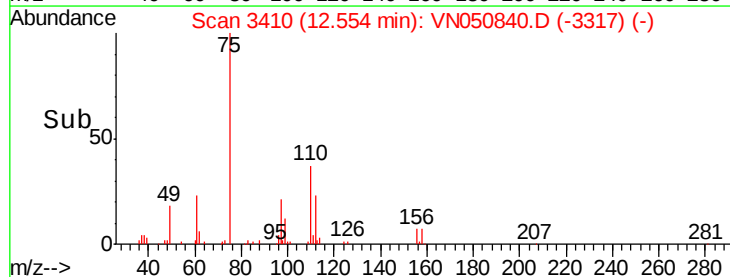
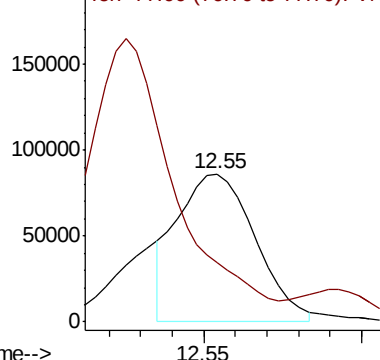
Lab File: VN050840.D

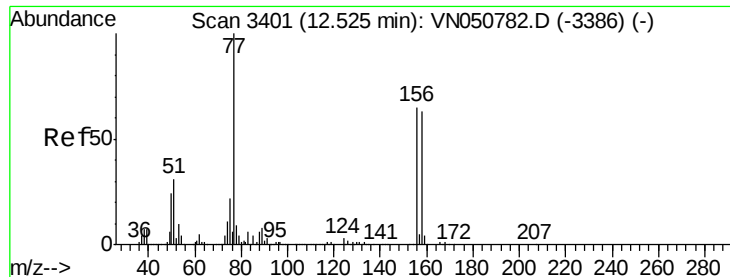
Acq: 23 Aug 2018 9:51

Tgt Ion:	75	Resp:	148561
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050840.D (-3317) (-)





#77

Bromobenzene

Concen: 20.27 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

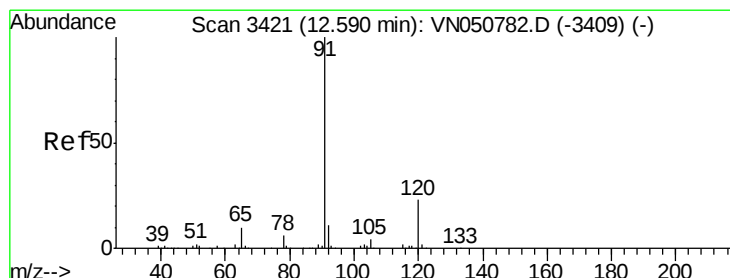
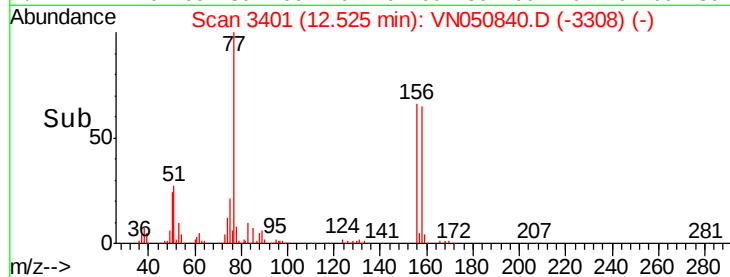
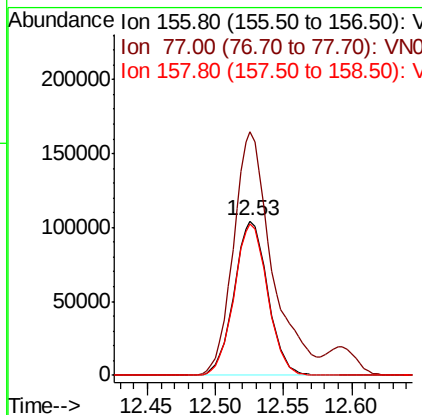
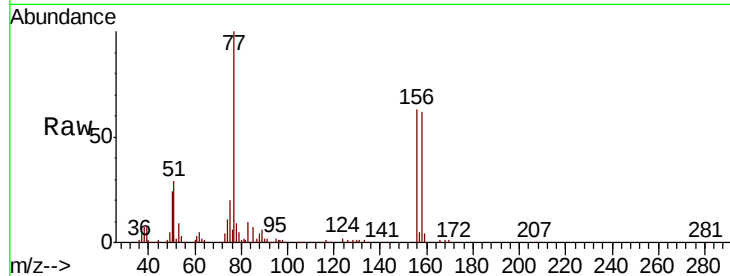
ClientSampleId :

VN0823WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	180.1		89.9	269.7	
158	97.7		49.3	147.9	

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#78

n-propylbenzene

Concen: 21.66 ug/l

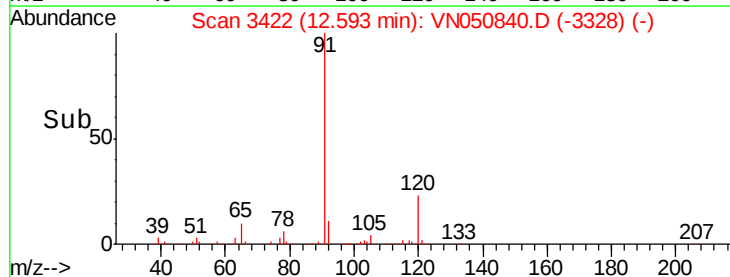
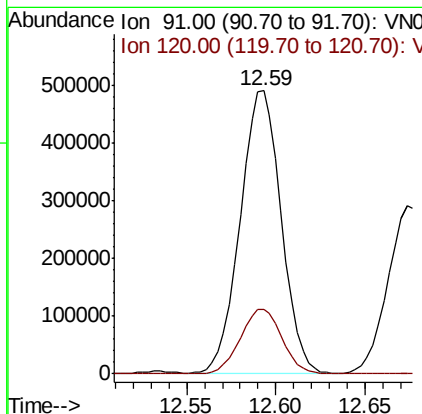
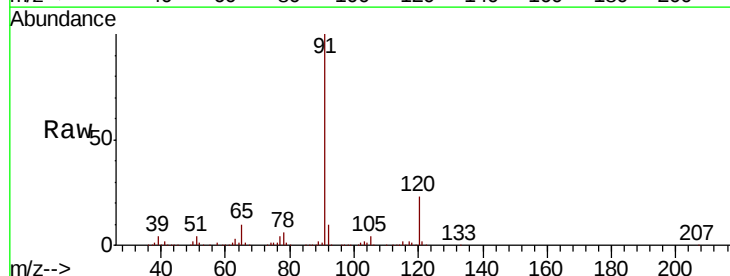
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.2		11.7	35.0	





#79

2-Chlorotoluene

Concen: 21.32 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion: 91 Resp: 480498

Ion Ratio Lower Upper

91 100

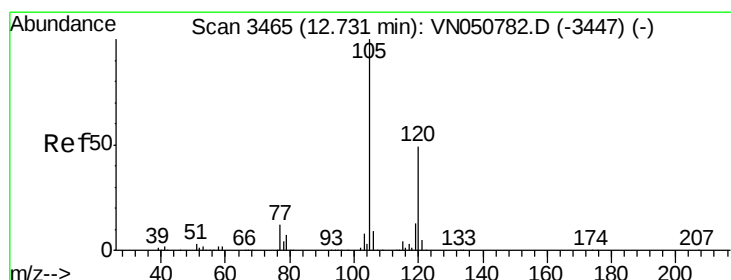
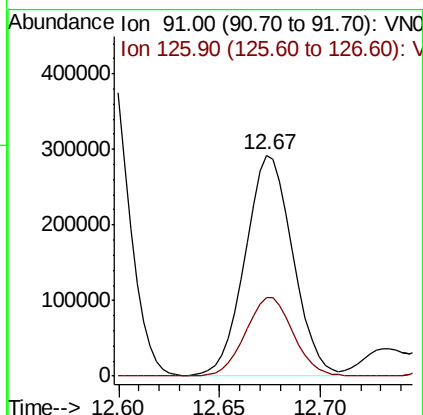
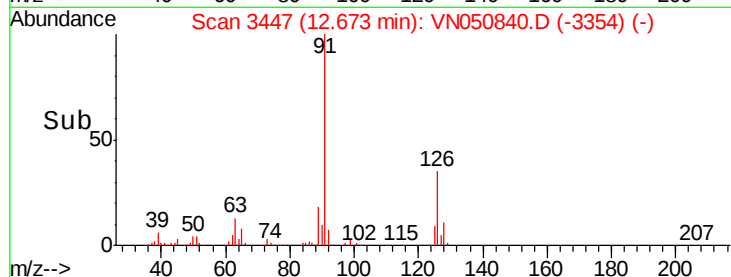
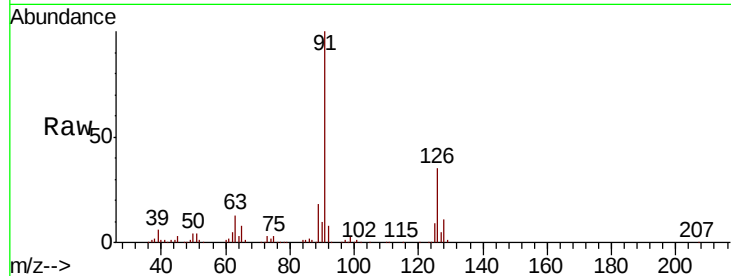
126 35.8 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.34 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. 0.00 min

Lab File: VN050840.D

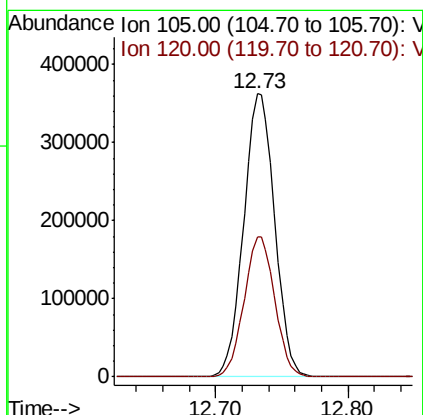
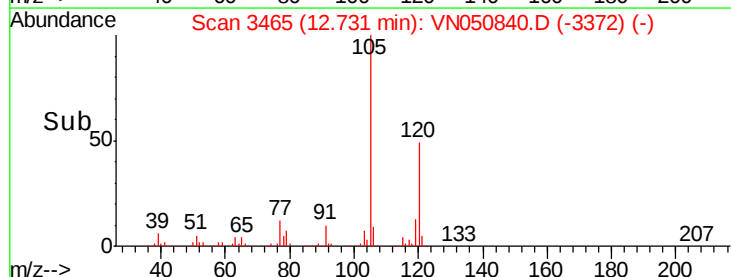
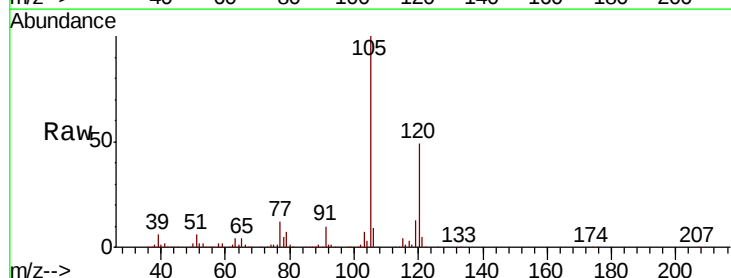
Acq: 23 Aug 2018 9:51

Tgt Ion: 105 Resp: 583903

Ion Ratio Lower Upper

105 100

120 49.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.59 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

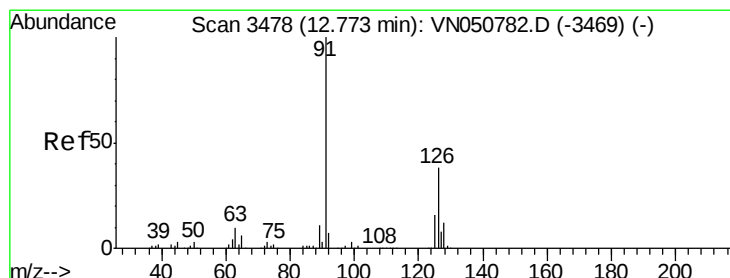
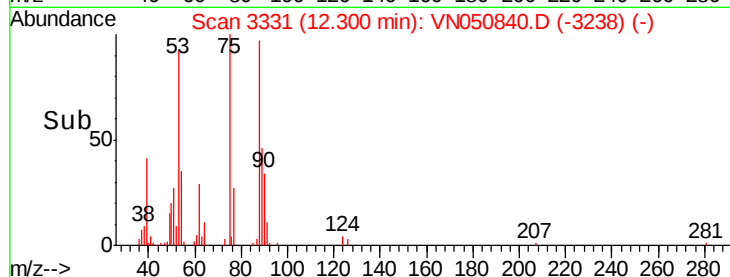
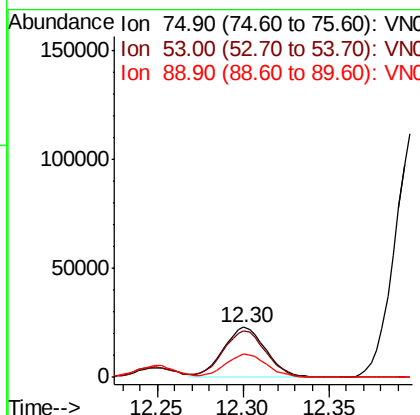
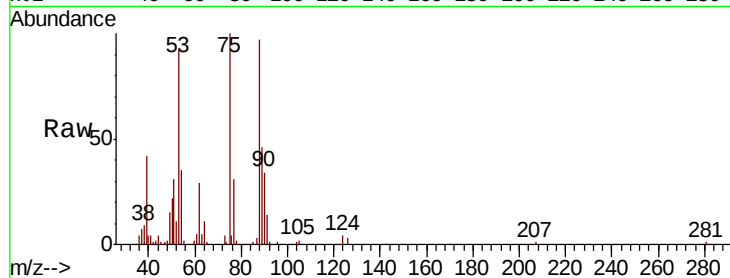
ClientSampleId :

VN0823WBS01

Tot Ion:	75	Resp:	39702
Ion	Ratio	Lower	Upper
75	100		
53	91.0	68.9	103.3
89	45.1	36.1	54.1

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#82

4-Chlorotoluene

Concen: 21.34 ug/l

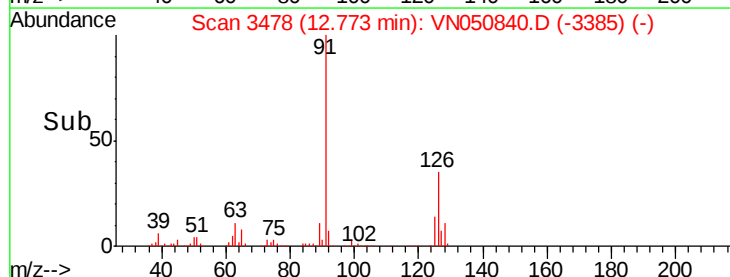
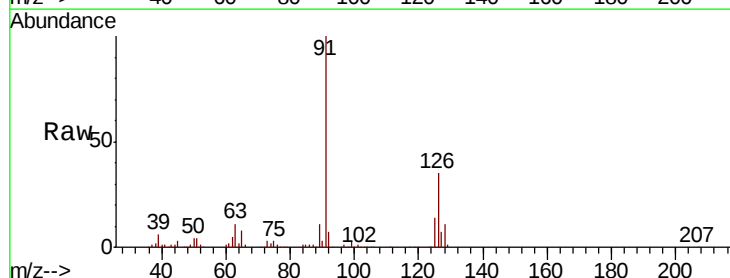
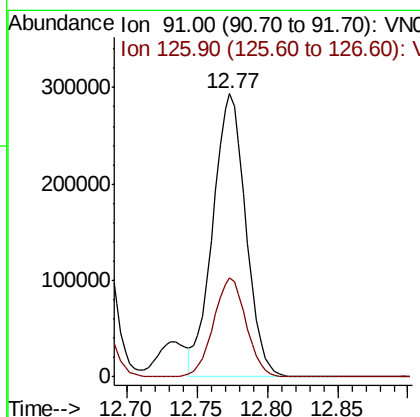
RT: 12.77 min Scan# 3478

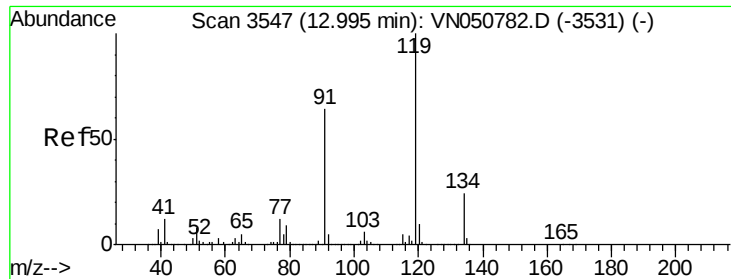
Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Tgt Ion:	91	Resp:	475017
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.5	52.5





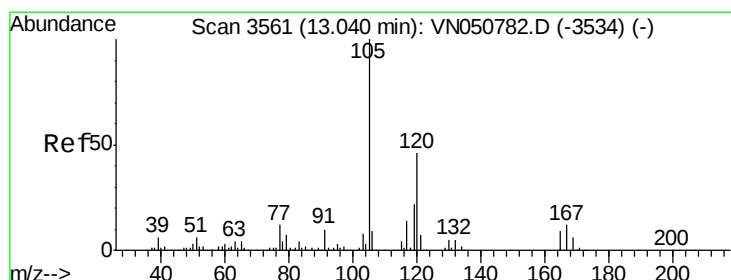
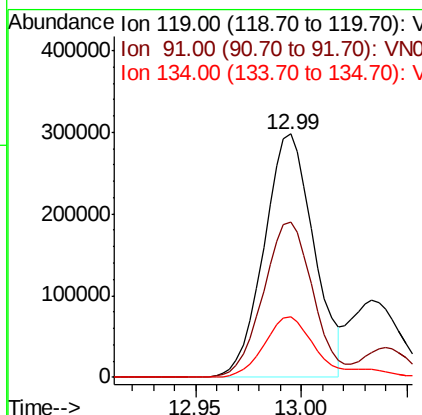
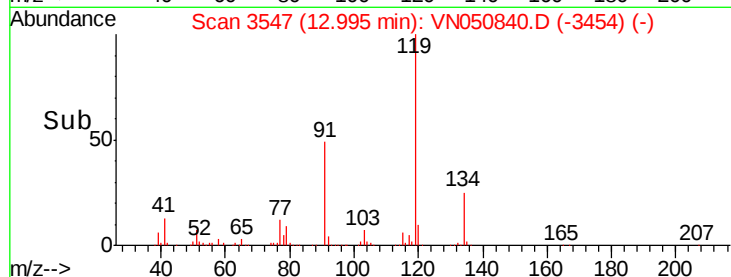
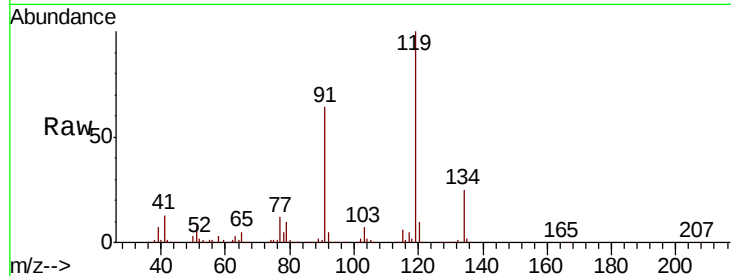
#83
tert-Butylbenzene
Concen: 21.58 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :
VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	488639		
91	63.5		31.6	94.7
134	25.0		13.4	40.1

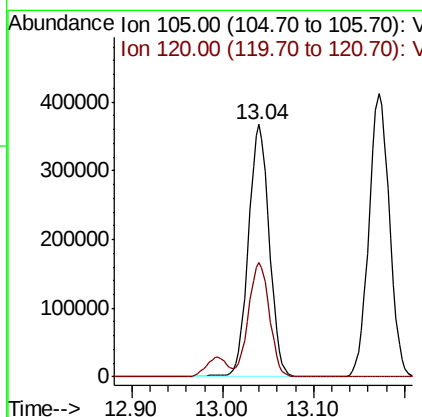
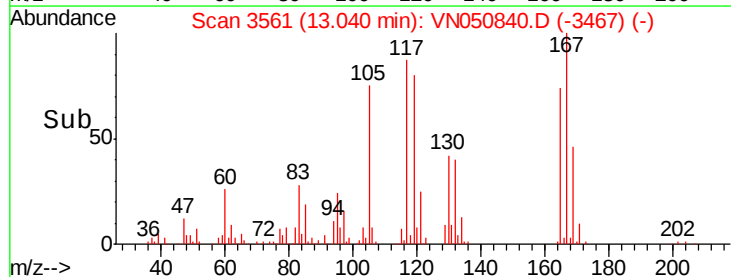
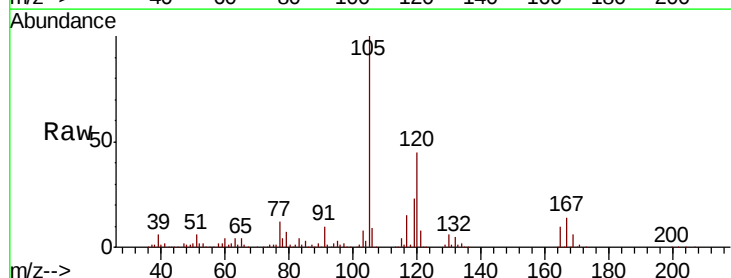
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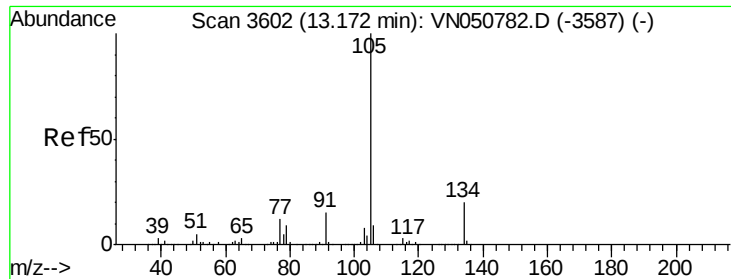
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#84
1,2,4-Trimethylbenzene
Concen: 22.22 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	584338		
120	45.6		22.9	68.8





#85

sec-Butylbenzene

Concen: 21.70 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

Tot Ion:105 Resp: 643710

Ion Ratio Lower Upper

105 100

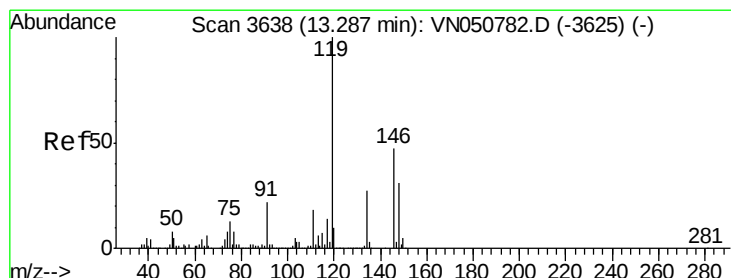
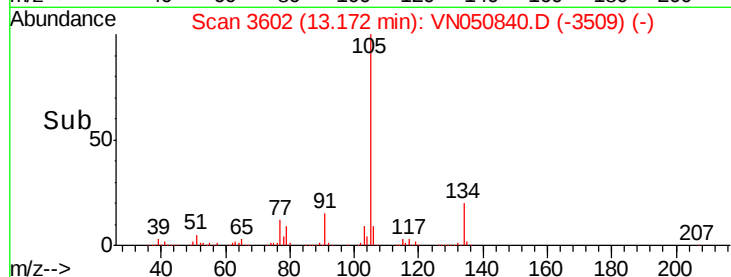
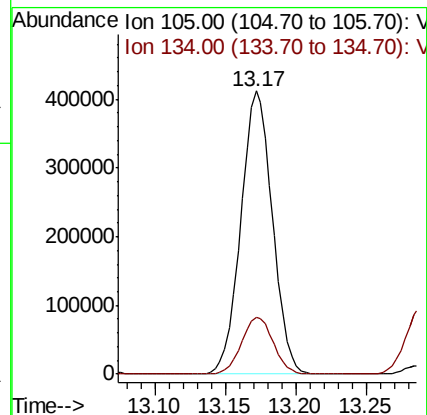
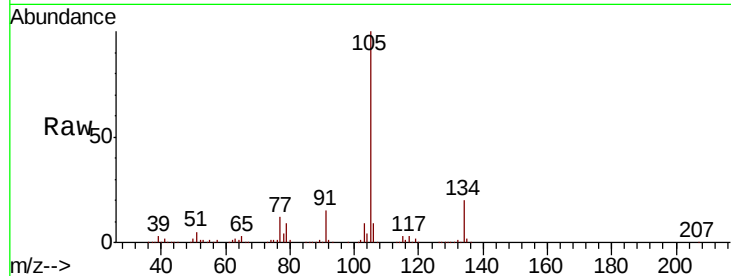
134 20.3 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 21.80 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

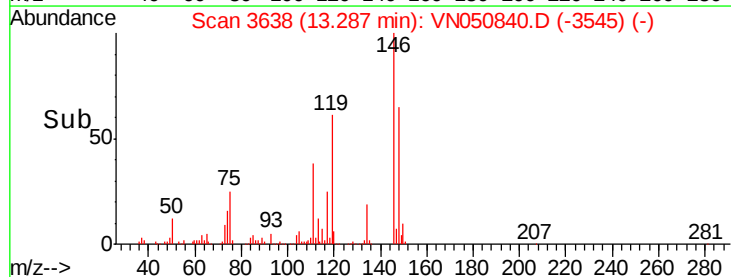
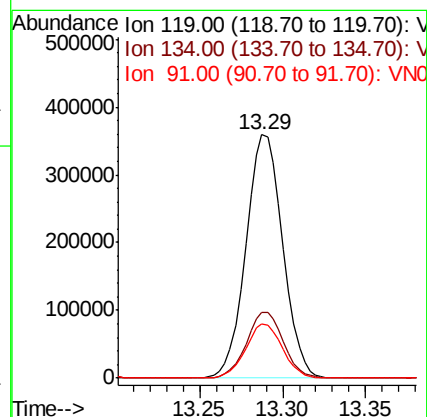
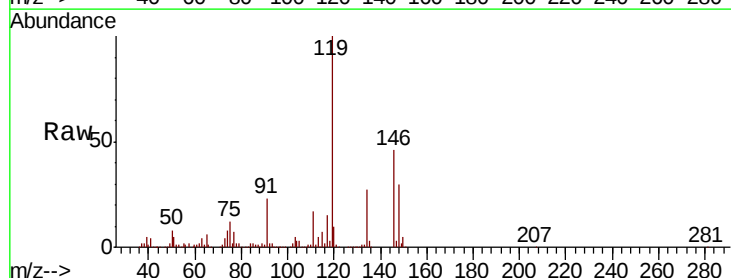
Tgt Ion:119 Resp: 551055

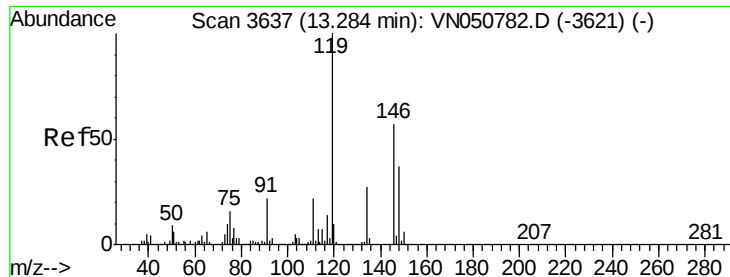
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 22.2 11.2 33.5





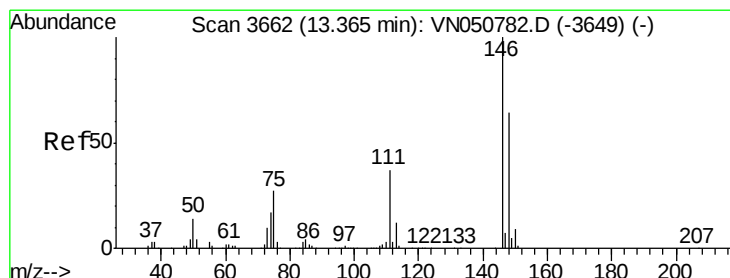
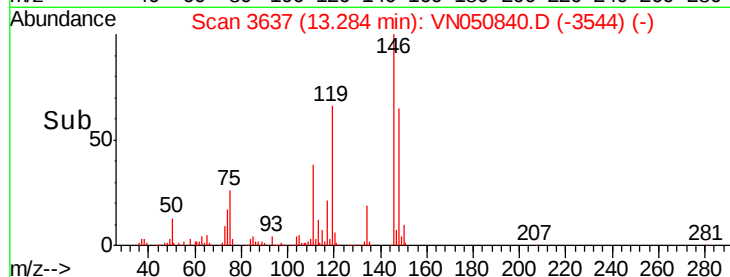
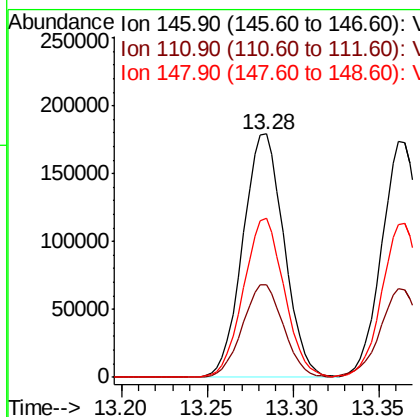
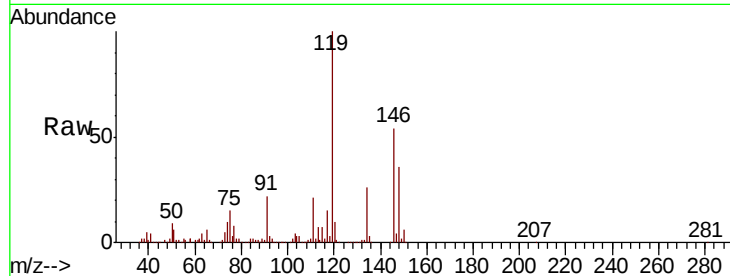
#87
 1,3-Dichlorobenzene
 Concen: 19.92 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	297568		
111	37.7	19.1	57.3	
148	64.5	32.2	96.6	

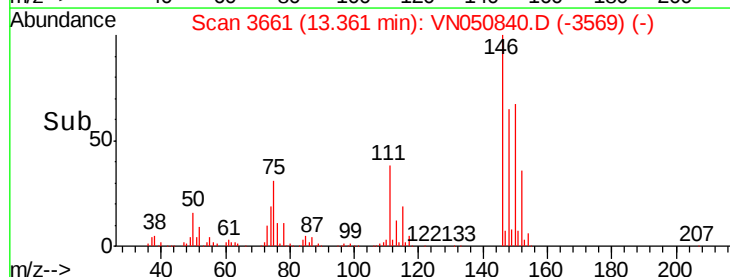
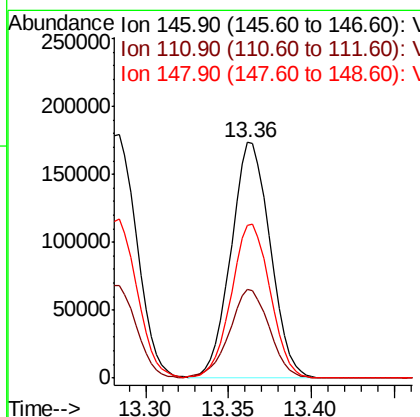
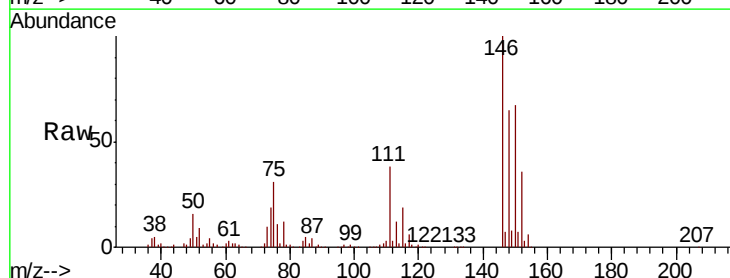
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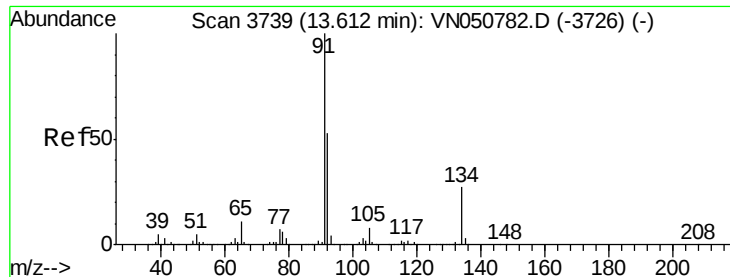
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#88
 1,4-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	285781		
111	38.2	18.8	56.3	
148	65.0	32.2	96.6	





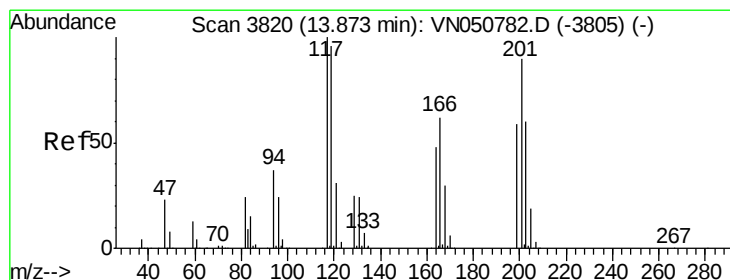
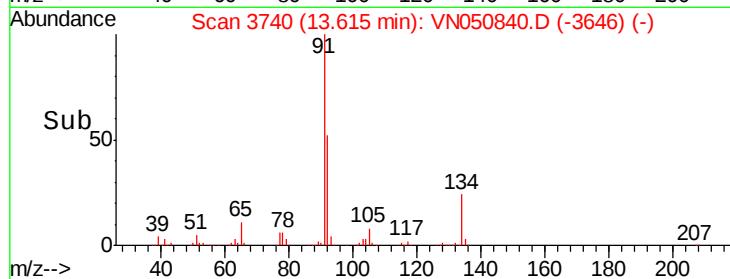
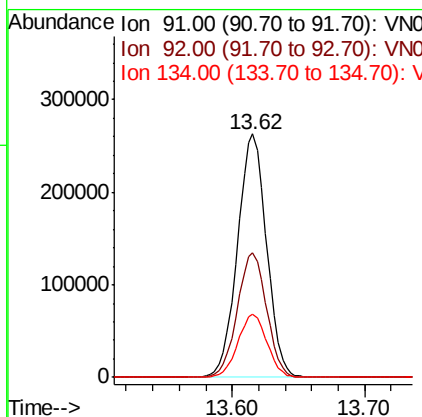
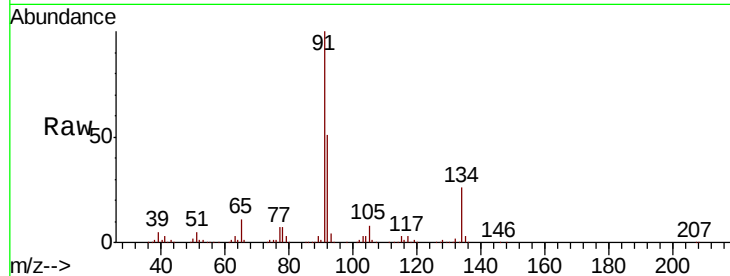
#89
n-Butylbenzene
Concen: 19.79 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.1	78.2
134	26.0	13.2	39.6

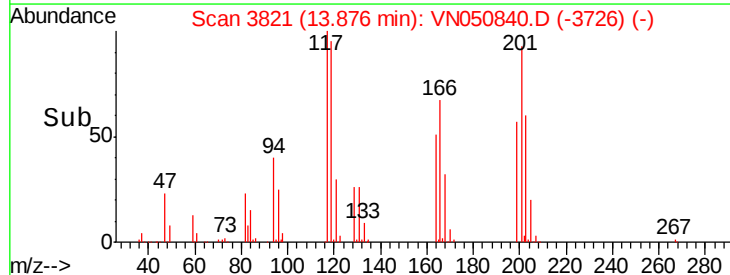
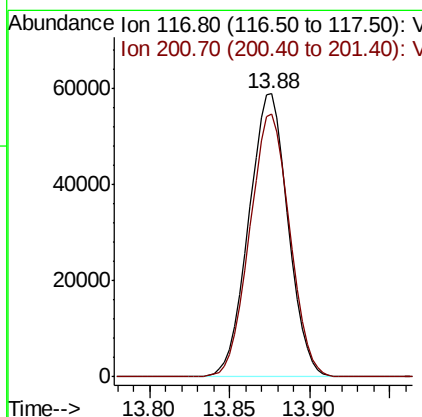
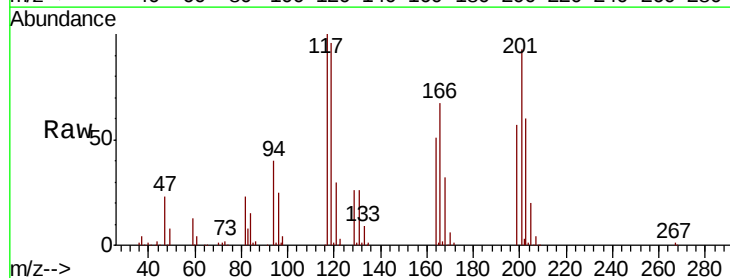
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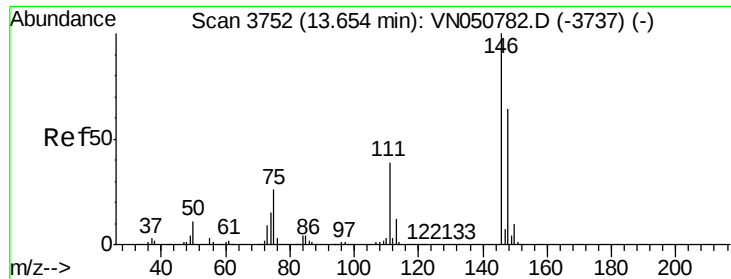
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#90
Hexachloroethane
Concen: 20.67 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	46.0	137.8





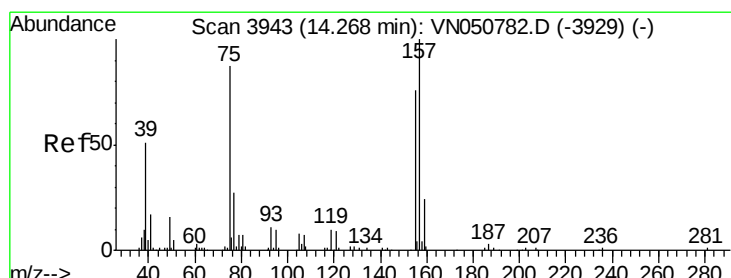
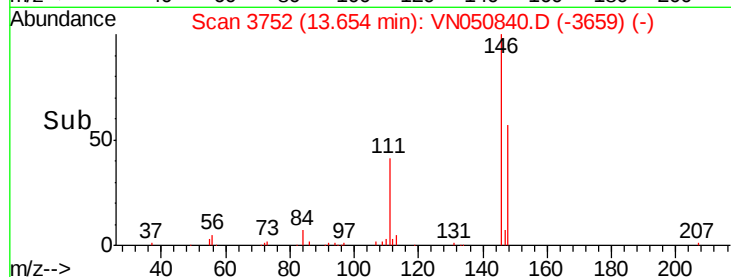
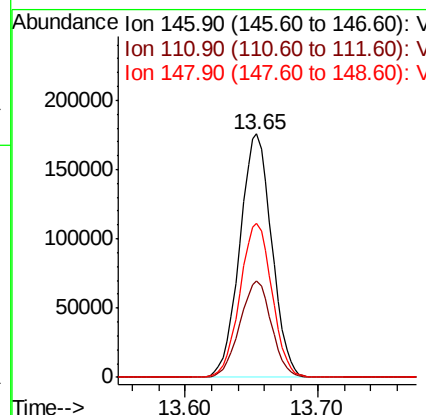
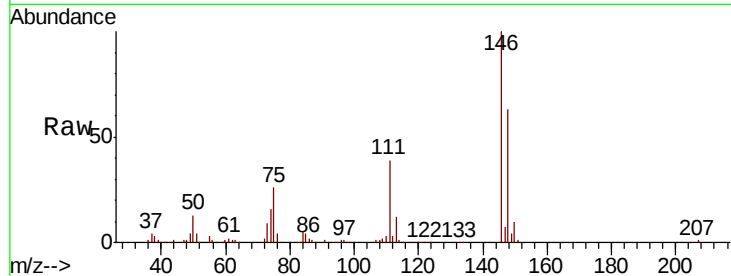
#91
 1,2-Dichlorobenzene
 Concen: 20.37 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	293681		
111	39.3	19.8	59.3	
148	63.3	32.3	96.8	

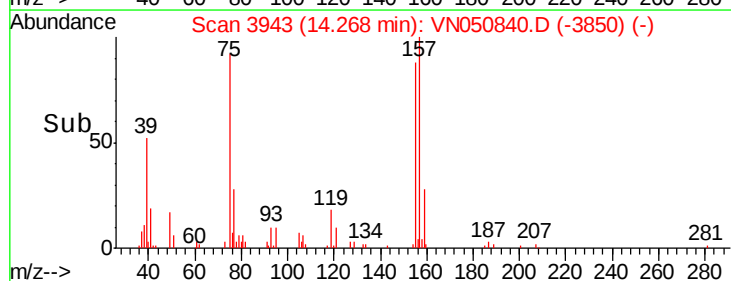
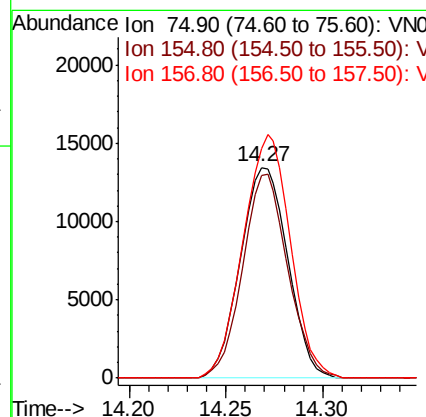
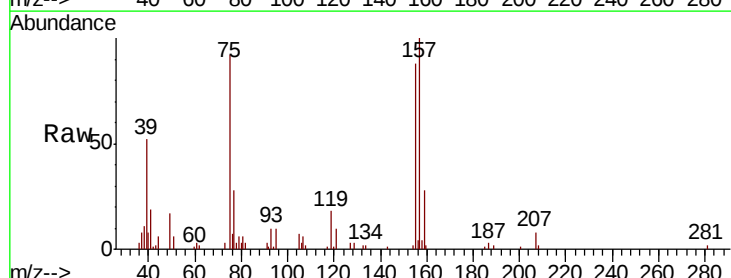
Manual Integrations
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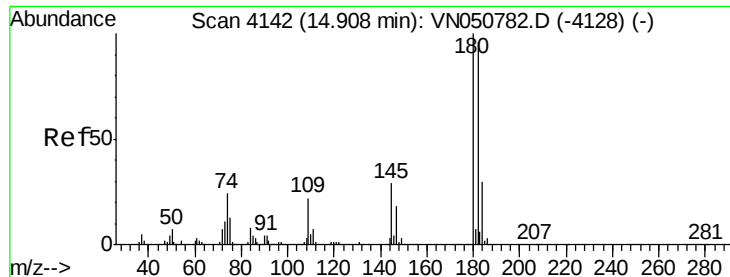
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.74 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22971		
155	92.2	46.4	139.1	
157	115.1	60.7	182.0	





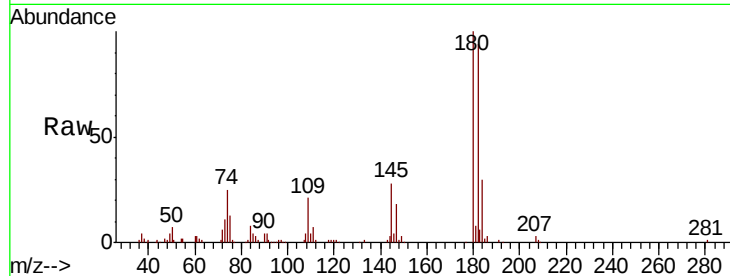
#93
 1,2,4-Trichlorobenzene
 Concen: 17.53 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0823WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109805		
182	93.8	48.2	144.6	
145	28.1	14.1	42.2	

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MMDadoda
 8/24/2018 10:40:42 AM

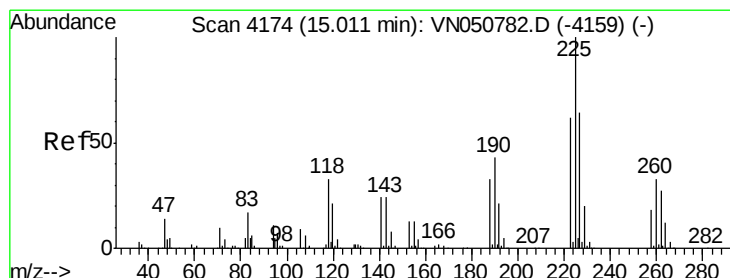
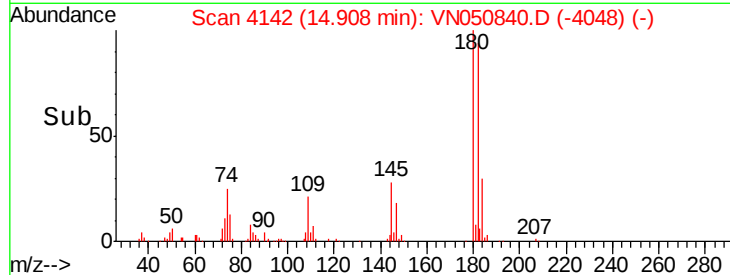
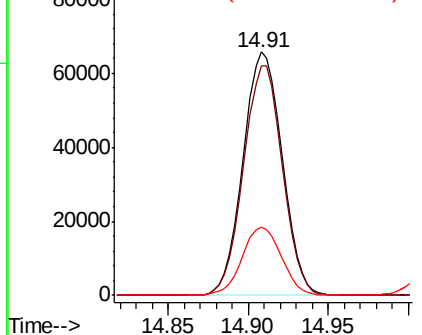


Abundance

Ion 179.80 (179.50 to 180.50): V

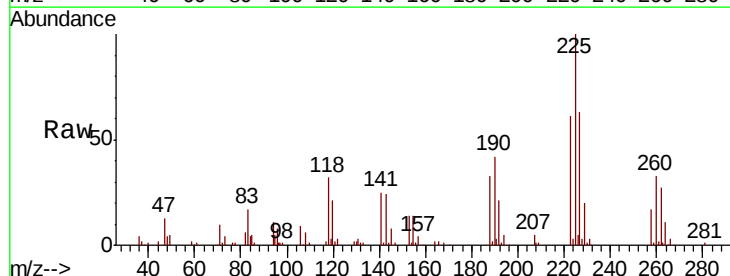
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.59 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90789		
223	61.9	31.3	93.8	
227	63.6	32.0	96.2	

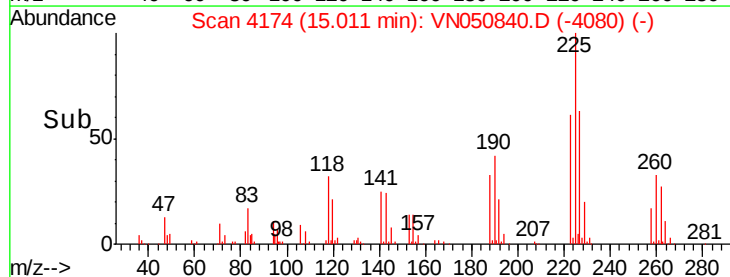
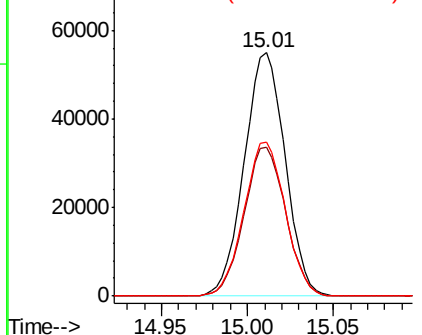


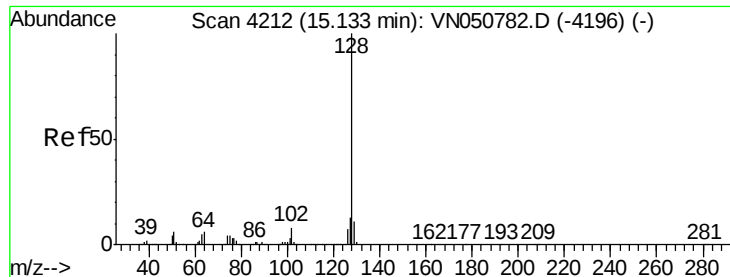
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.88 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

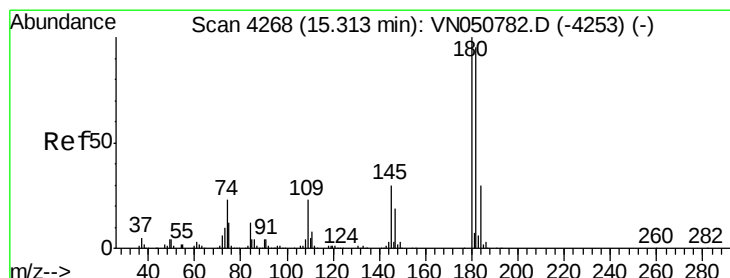
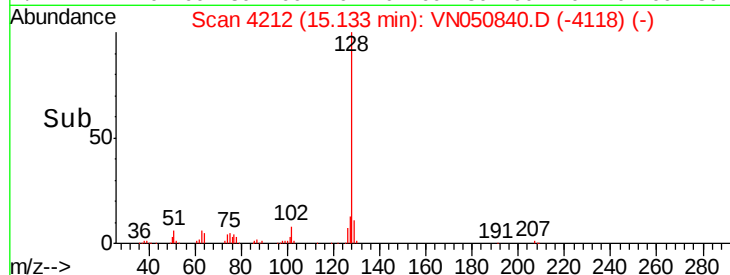
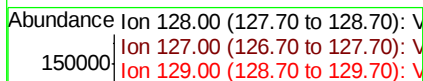
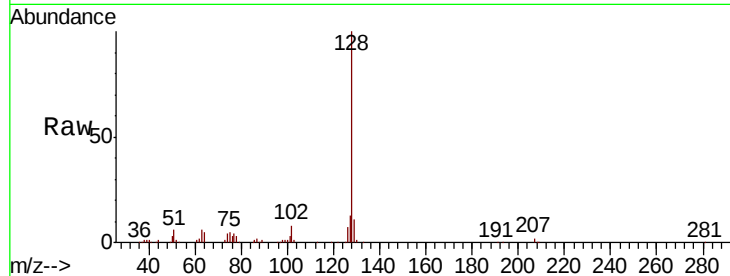
ClientSampleId :

VN0823WBS01

Tot Ion:	128	Resp:	201177
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 18.26 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Tgt Ion:	180	Resp:	112645
Ion Ratio		Lower	Upper
180	100		
182	91.9	48.0	144.2
145	30.0	15.2	45.6

