

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050122.D
 Acq On : 27 Jul 2018 8:36
 Operator : MD\SY
 Sample : J4184-06MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMSD

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:17:10 PM

Quant Time: Jul 27 11:09:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	711405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1107509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1009856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	522535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	487374	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	7.59	113	440706	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.09	98	1632990	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.40	95	565961	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	460482	45.05	ug/l	99
3) Chloromethane	2.06	50	467002	42.03	ug/l	99
4) Vinyl Chloride	2.18	62	529487	45.25	ug/l	98
5) Bromomethane	2.56	94	105411	15.53	ug/l	99
6) Chloroethane	2.70	64	312761	44.51	ug/l	99
7) Trichlorofluoromethane	3.01	101	683221	45.07	ug/l	100
8) Diethyl Ether	3.41	74	255653	50.59	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	381331	41.84	ug/l	98
10) Methyl Iodide	3.95	142	261543	22.36	ug/l	97
11) Tert butyl alcohol	4.80	59	179983	246.44	ug/l	100
12) 1,1-Dichloroethene	3.73	96	391836	47.79	ug/l	99
13) Acrolein	3.61	56	69146	117.84	ug/l	95
14) Allyl chloride	4.32	41	592726	46.62	ug/l	99
15) Acrylonitrile	4.99	53	748984	235.06	ug/l	100
16) Acetone	3.82	43	580584	248.30	ug/l	98
17) Carbon Disulfide	4.05	76	1124905	44.78	ug/l	99
18) Methyl Acetate	4.33	43	365897	39.91	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1161332	53.15	ug/l	98
20) Methylene Chloride	4.55	84	448096	50.94	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	418814	48.20	ug/l	99
22) Diisopropyl ether	5.96	45	1312102	52.05	ug/l	99
23) Vinyl Acetate	5.90	43	3302569	185.38	ug/l	99
24) 1,1-Dichloroethane	5.85	63	787705	47.78	ug/l	100
25) 2-Butanone	6.84	43	880676	232.62	ug/l	97
26) 2,2-Dichloropropane	6.83	77	320011	25.52	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	479183	51.23	ug/l	95
28) Bromochloromethane	7.20	49	368550	49.02	ug/l	97
29) Tetrahydrofuran	7.22	42	578963	236.65	ug/l	98
30) Chloroform	7.37	83	800879	47.61	ug/l	99
31) Cyclohexane	7.66	56	638607	46.71	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	688625	47.86	ug/l	99
36) 1,1-Dichloropropene	7.80	75	595233	47.70	ug/l	99
37) Ethyl Acetate	6.93	43	304843	35.04	ug/l	99
38) Carbon Tetrachloride	7.78	117	598263	45.19	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	599620	46.71	ug/l	98
40) Benzene	8.05	78	3112903	81.99	ug/l	100
41) Methacrylonitrile	7.18	41	210993	46.76	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	579768	45.77	ug/l	99
43) Isopropyl Acetate	8.17	43	670150	40.67	ug/l	99
44) Trichloroethene	8.84	130	482232	47.27	ug/l	99
45) 1,2-Dichloropropane	9.12	63	471434	46.88	ug/l	99
46) Dibromomethane	9.21	93	288477	46.20	ug/l	98
47) Bromodichloromethane	9.41	83	613966	46.58	ug/l	100
48) Methyl methacrylate	9.20	41	367643	49.07	ug/l	99
49) 1,4-Dioxane	9.20	88	99293	973.83	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1992997	233.04	ug/l	99
52) Toluene	10.16	92	1287166	57.43	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	571610	45.96	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	638500	44.92	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	417024	46.91	ug/l	99
56) Ethyl methacrylate	10.43	69	550760	45.91	ug/l	98
57) 1,3-Dichloropropane	10.71	76	698772	48.27	ug/l	100
59) 2-Hexanone	10.75	43	1349971	215.55	ug/l	99
60) Dibromochloromethane	10.90	129	471594	47.91	ug/l	98
61) 1,2-Dibromoethane	11.01	107	419642	47.58	ug/l	98
64) Tetrachloroethene	10.63	164	418537	43.11	ug/l	99
65) Chlorobenzene	11.44	112	1222963	47.94	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	462009	47.14	ug/l	99
67) Ethyl Benzene	11.51	91	2977971	72.68	ug/l	100
68) m/p-Xylenes	11.62	106	1802661	116.31	ug/l	100
69) o-Xylene	11.95	106	950096	64.30	ug/l	99
70) Stvrene	11.97	104	1256897	47.87	ug/l	98
71) Bromoform	12.13	173	332344	46.61	ug/l	98
73) Isopropylbenzene	12.25	105	2289789	56.50	ug/l	100
74) N-amyl acetate	12.07	43	471452	38.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	545807	50.44	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	422642m	43.52	ug/l	
77) Bromobenzene	12.53	156	563760	50.19	ug/l	93
78) n-propylbenzene	12.59	91	2379832	52.54	ug/l	99
79) 2-Chlorotoluene	12.68	91	1447157	51.55	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1717870	53.89	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	99553	32.52	ug/l	98
82) 4-Chlorotoluene	12.78	91	1414628	50.88	ug/l	99
83) tert-Butylbenzene	12.99	119	1492615	53.66	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1897658	59.06	ug/l	99
85) sec-Butylbenzene	13.17	105	1951637	52.51	ug/l	100
86) p-Isopropyltoluene	13.29	119	1703736	54.40	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	939492	49.34	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	917161	49.42	ug/l	99
89) n-Butylbenzene	13.62	91	1400937	54.40	ug/l	98
90) Hexachloroethane	13.88	117	287555	41.35	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	937890	49.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89966	49.82	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	519603	51.38	ug/l	99

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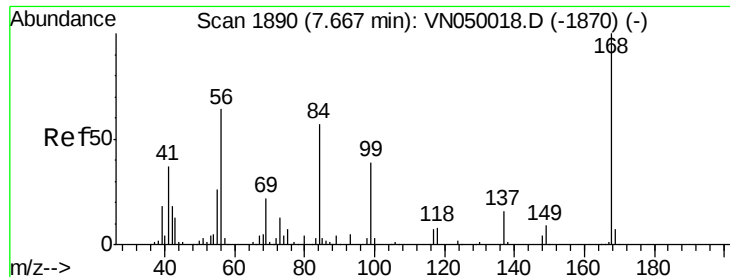
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	277496	47.62	ug/l	99
95) Naphthalene	15.14	128	2774757	110.42	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	515201	52.30	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion:168 Resp: 711405

Ion Ratio Lower Upper

168 100

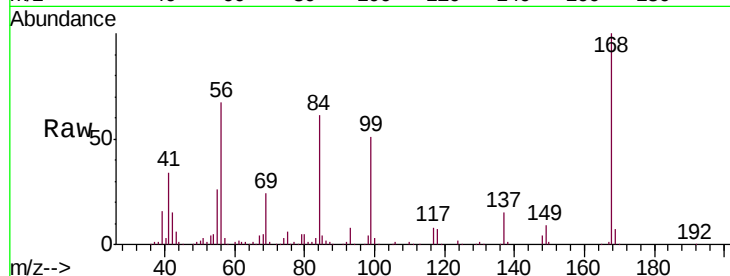
99 50.6 40.0 60.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

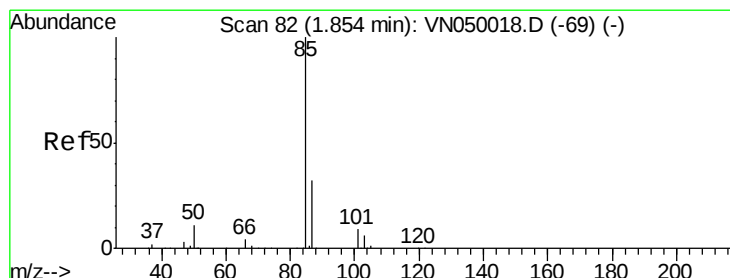
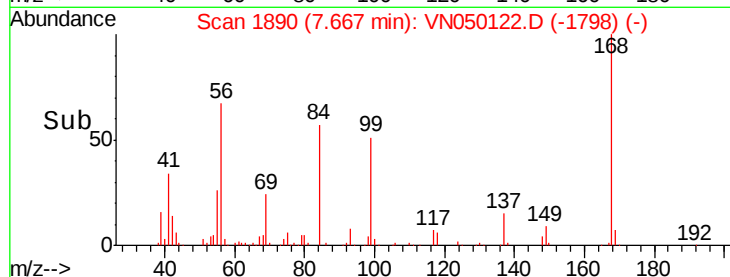
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.05 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050122.D

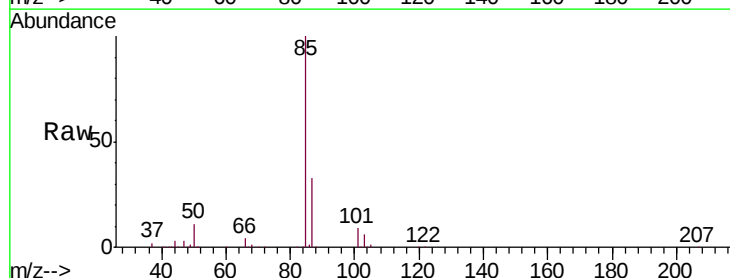
Acq: 27 Jul 2018 8:36

Tgt Ion: 85 Resp: 460482

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

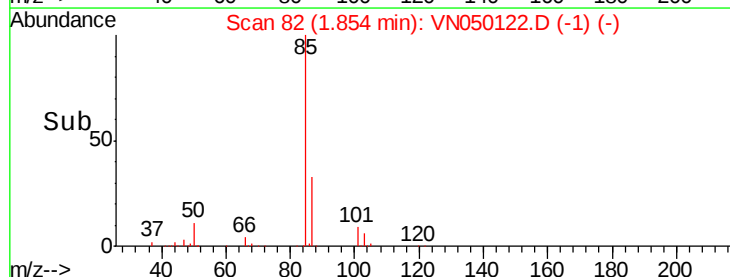
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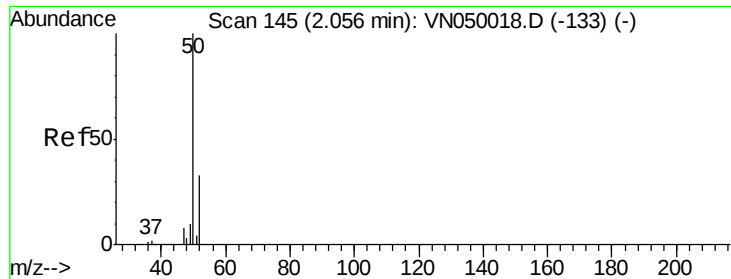
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100000

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Time-->





#3

Chloromethane

Concen: 42.03 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion: 50 Resp: 467002

Ion Ratio Lower Upper

50 100

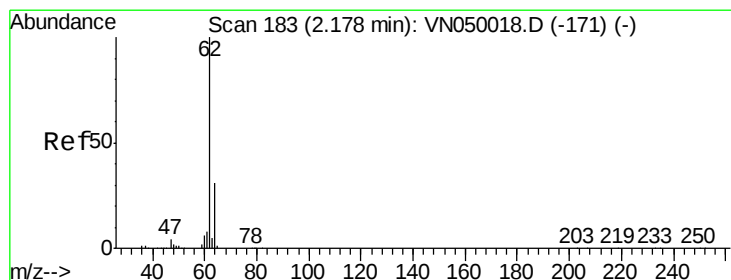
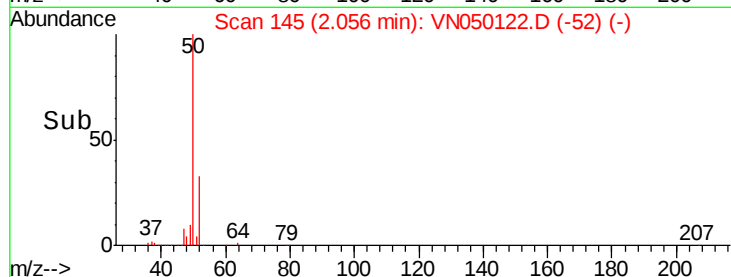
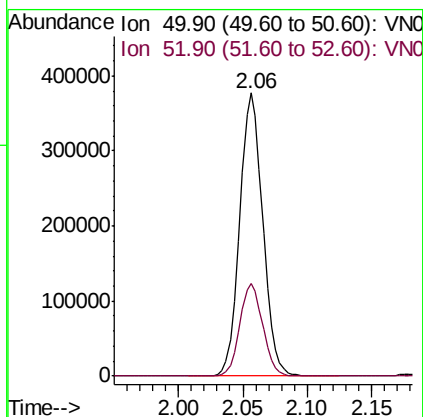
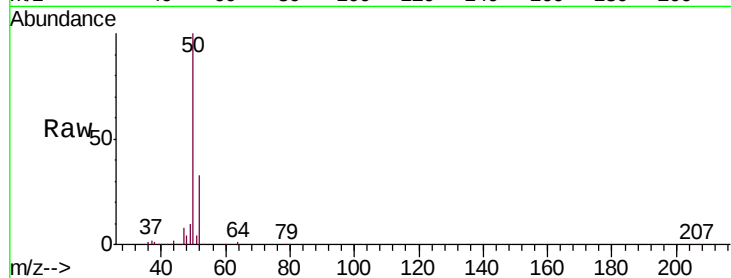
52 32.8 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.25 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050122.D

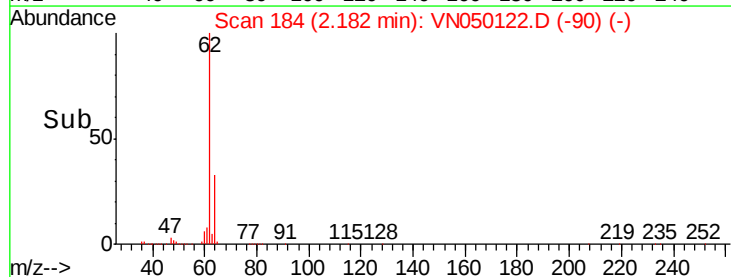
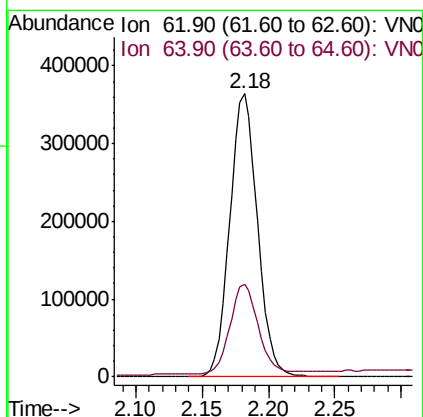
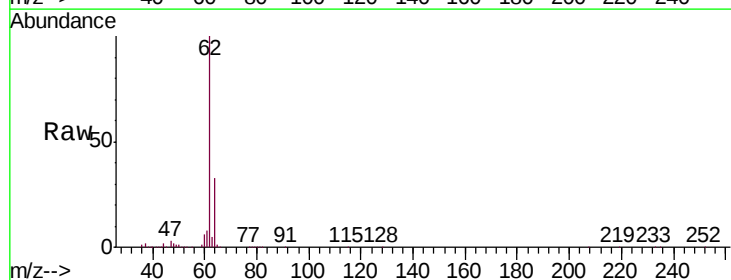
Acq: 27 Jul 2018 8:36

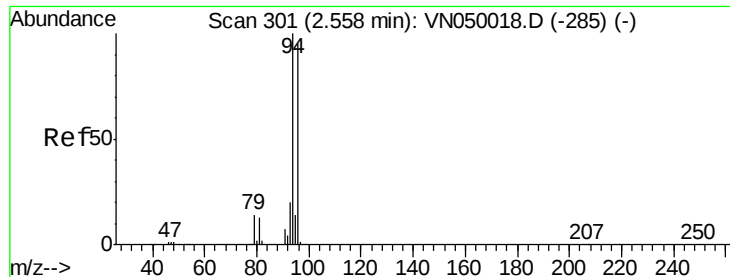
Tgt Ion: 62 Resp: 529487

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 15.53 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion: 94 Resp: 105411

Ion Ratio Lower Upper

94 100

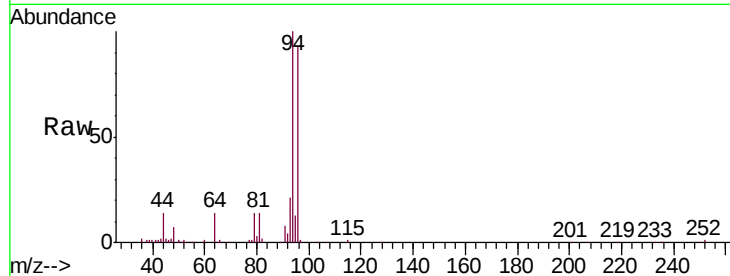
96 92.7 74.6 112.0

Manual Integrations

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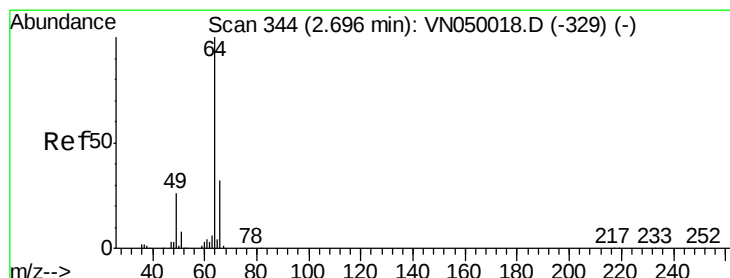
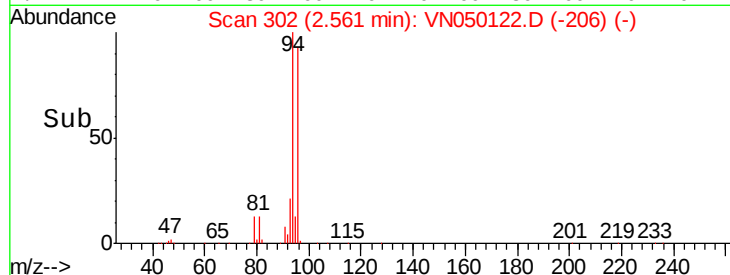
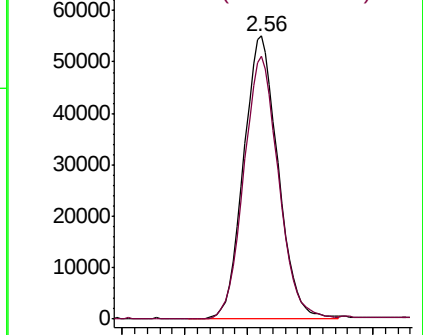
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 44.51 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050122.D

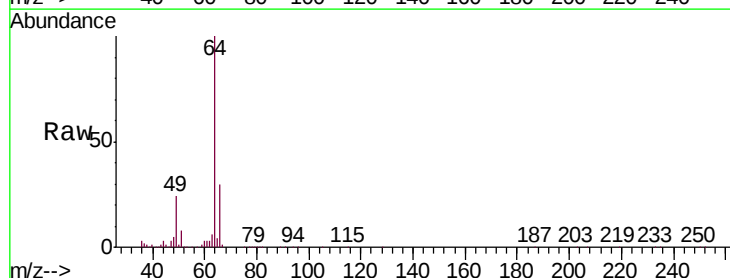
Acq: 27 Jul 2018 8:36

Tgt Ion: 64 Resp: 312761

Ion Ratio Lower Upper

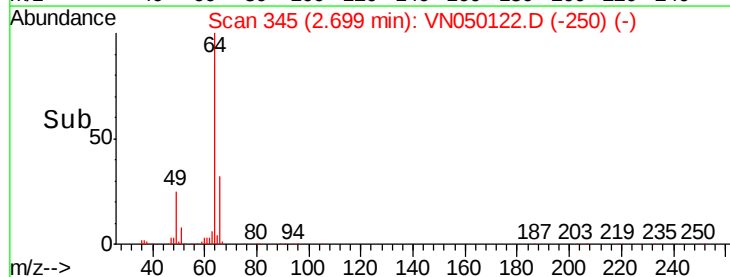
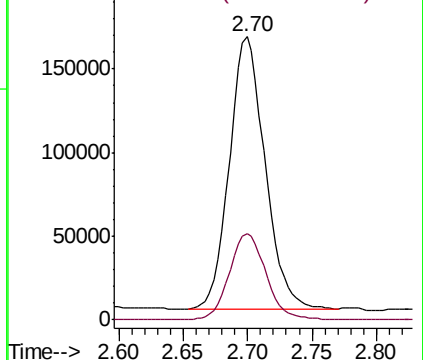
64 100

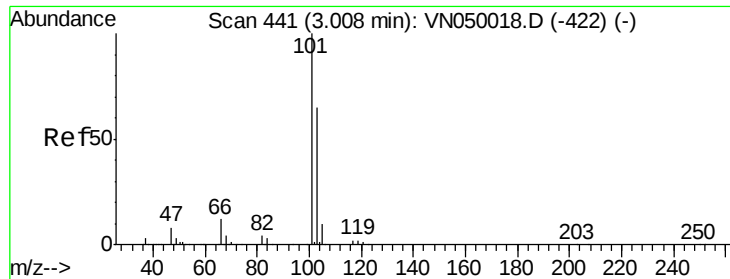
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

Trichlorofluoromethane

Concen: 45.07 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion:101 Resp: 683221

Ion Ratio Lower Upper

101 100

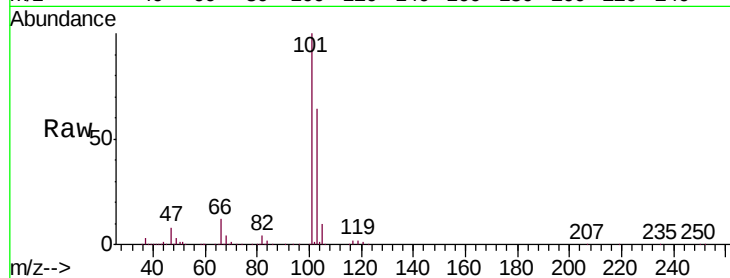
103 64.4 51.7 77.5

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7/27/2018 12:17:10 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

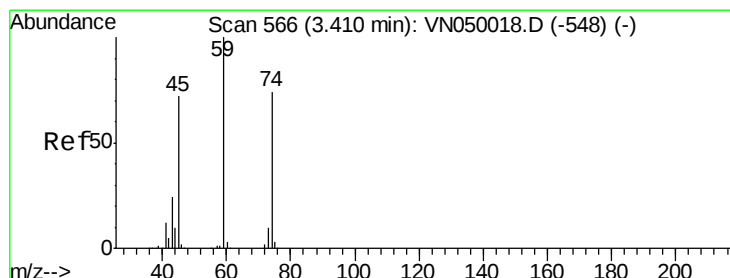
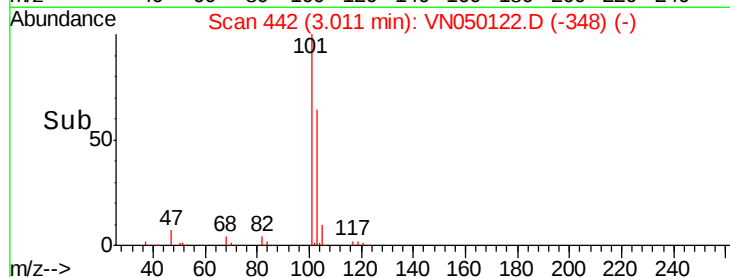
300000

200000

100000

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Time-->



#8

Diethyl Ether

Concen: 50.59 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050122.D

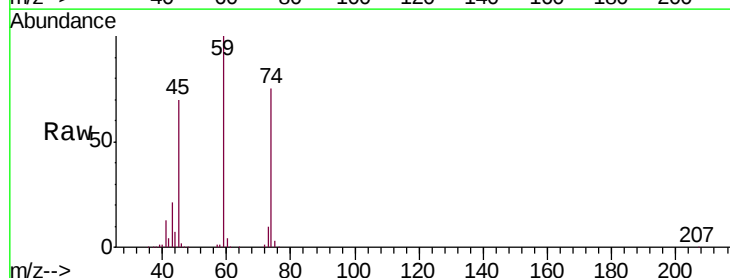
Acq: 27 Jul 2018 8:36

Tgt Ion: 74 Resp: 255653

Ion Ratio Lower Upper

74 100

45 92.4 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

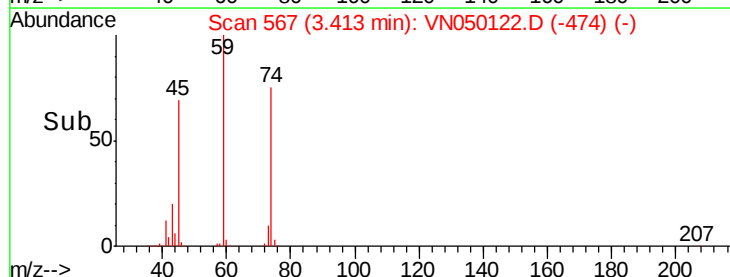
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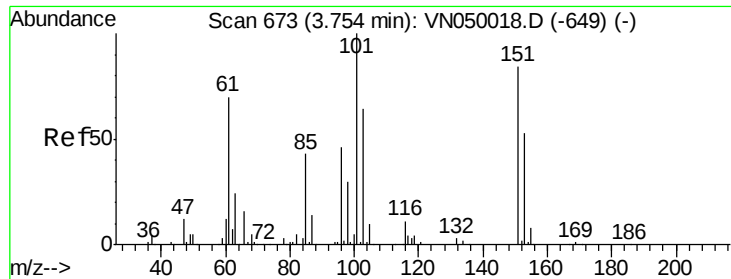
100000

50000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.84 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

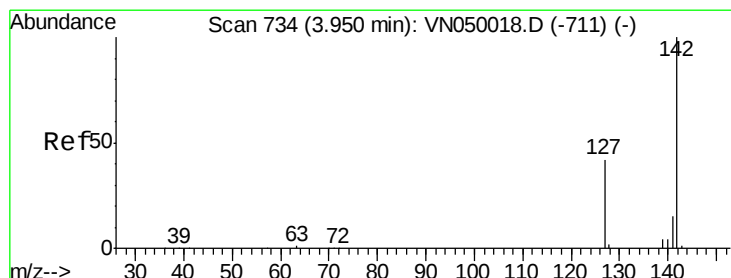
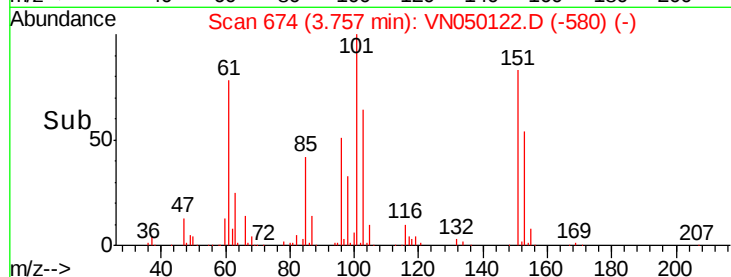
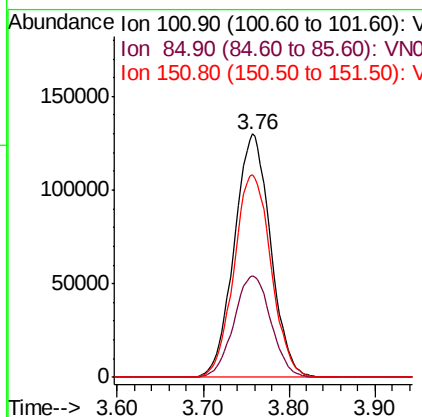
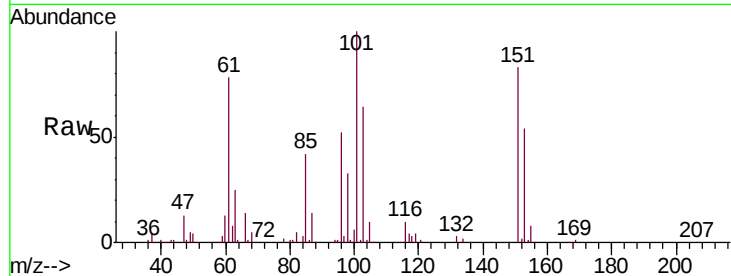
ClientSampleId :

MW-7BSMSD

Tot Ion:	101	Resp:	381331
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.2
151	84.9	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 22.36 ug/l

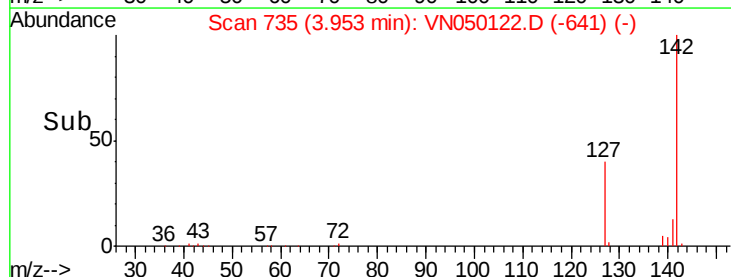
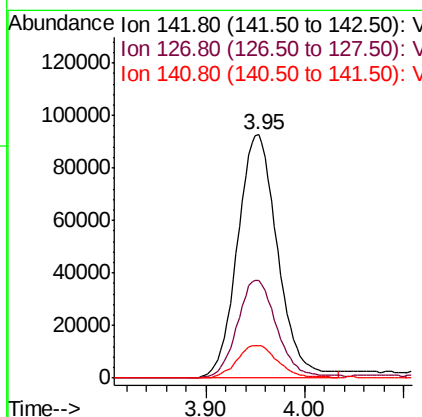
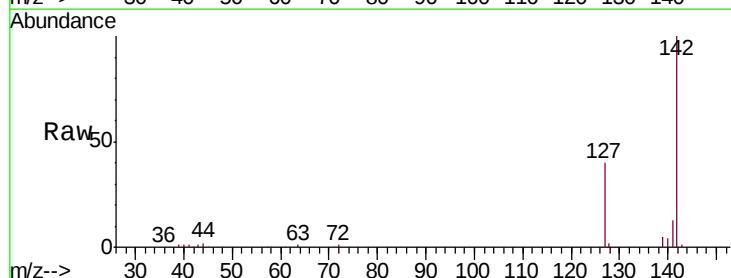
RT: 3.95 min Scan# 735

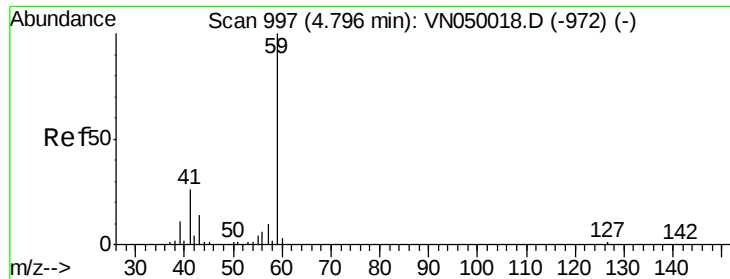
Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Tgt Ion:	142	Resp:	261543
Ion Ratio	Lower	Upper	
142	100		
127	39.6	33.4	50.2
141	13.5	11.6	17.4





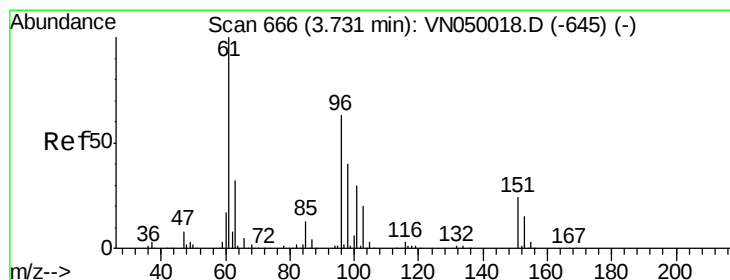
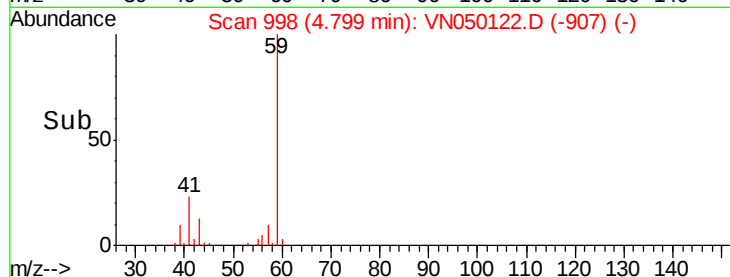
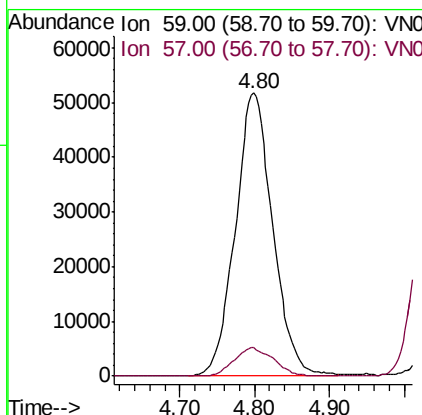
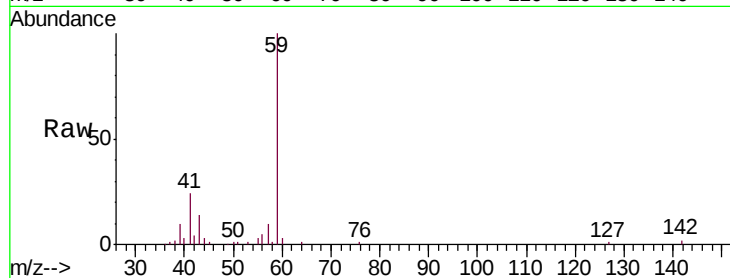
#11
Tert butyl alcohol
Concen: 246.44 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

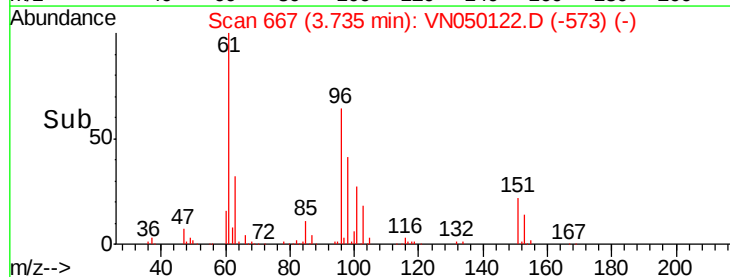
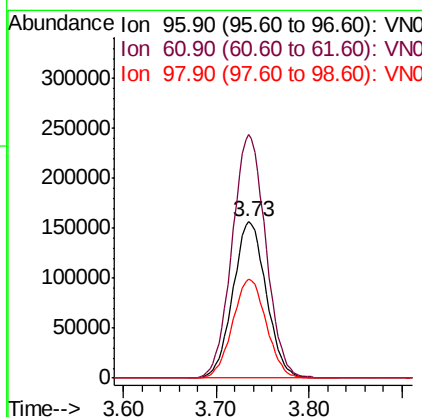
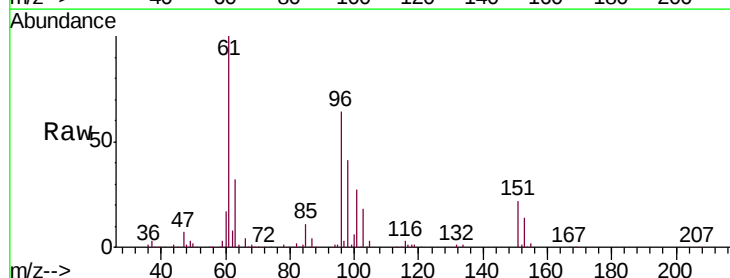
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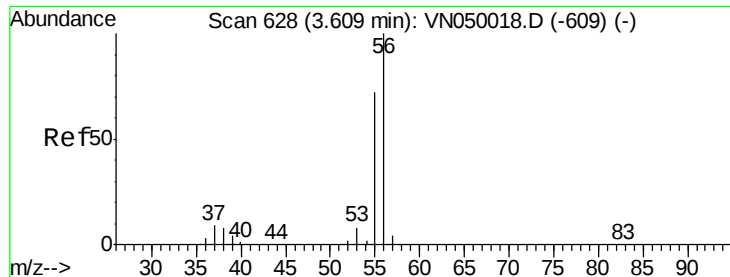
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#12
1,1-Dichloroethene
Concen: 47.79 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	124.4	186.6
98	63.2	48.3	72.5





#13

Acrolein

Concen: 117.84 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion: 56 Resp: 69146

Ion Ratio Lower Upper

56 100

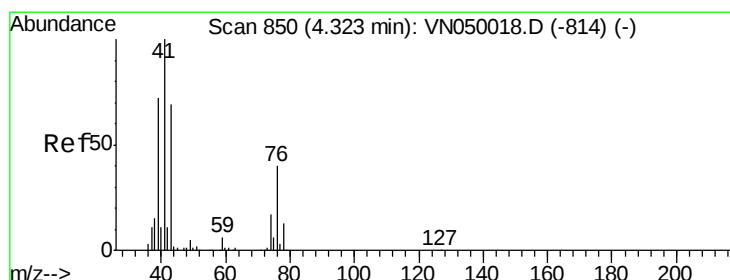
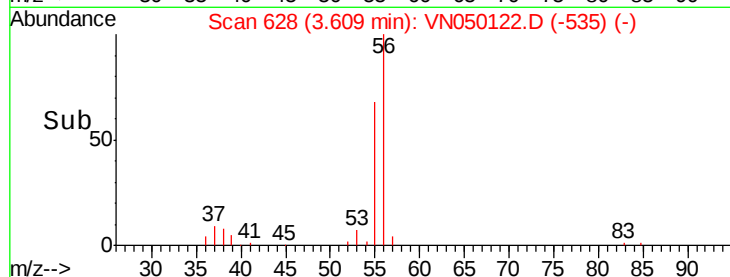
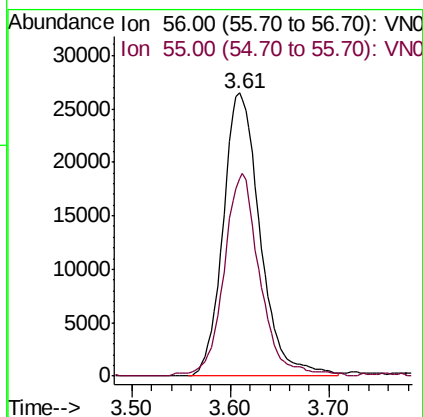
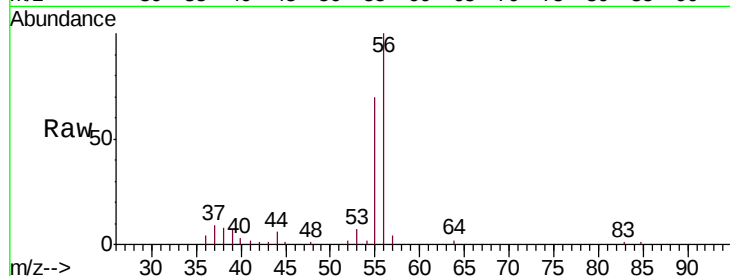
55 65.6 55.8 83.6

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#14

Allyl chloride

Concen: 46.62 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

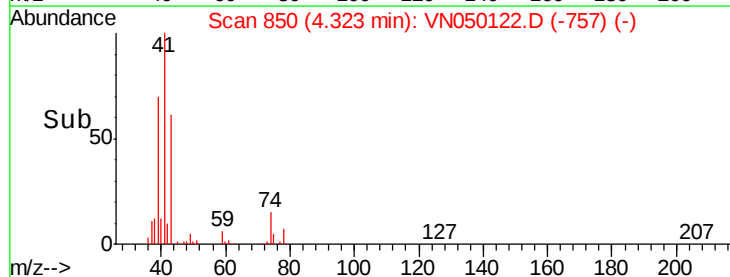
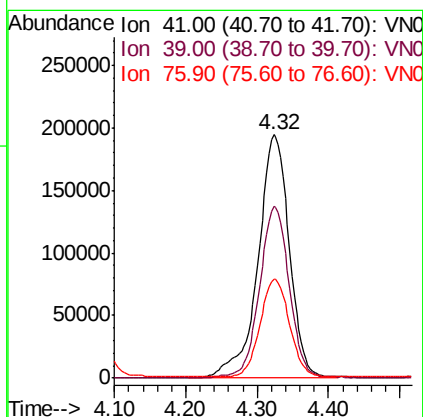
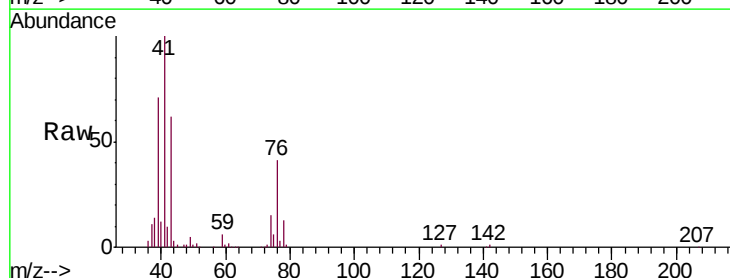
Tgt Ion: 41 Resp: 592726

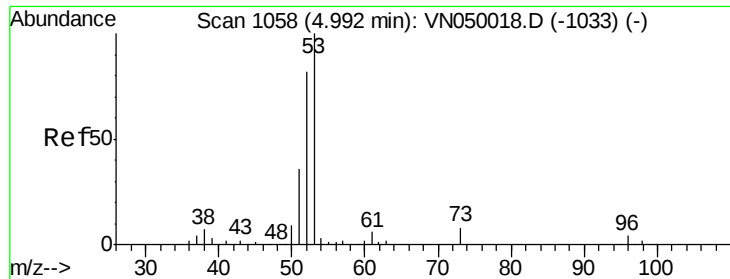
Ion Ratio Lower Upper

41 100

39 67.1 54.2 81.4

76 37.4 29.0 43.6





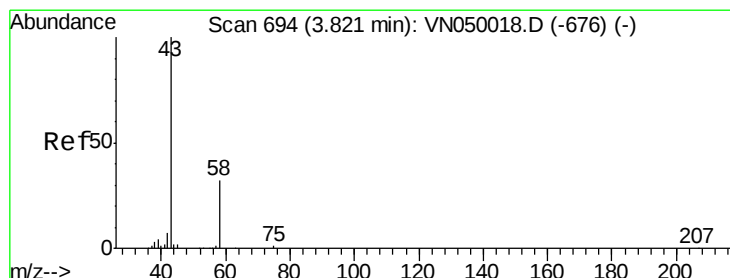
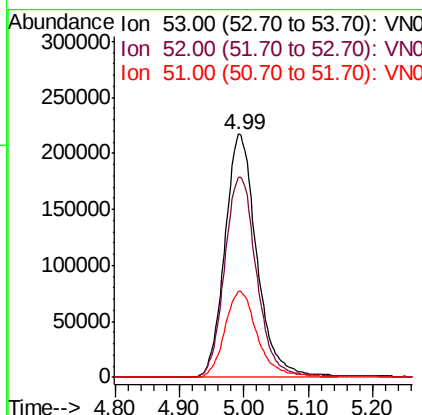
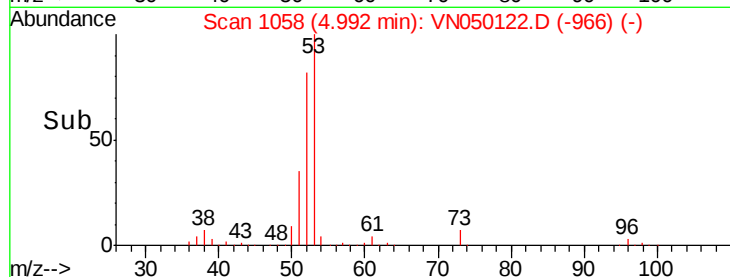
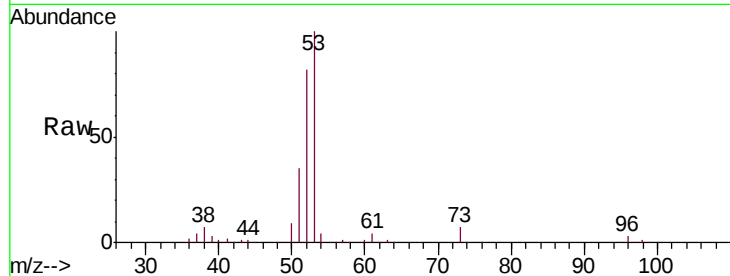
#15
 Acrylonitrile
 Concen: 235.06 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	36.3	29.3	43.9

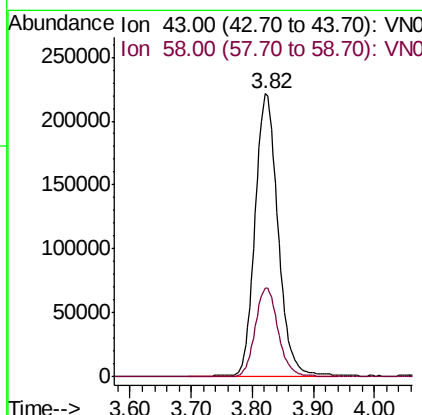
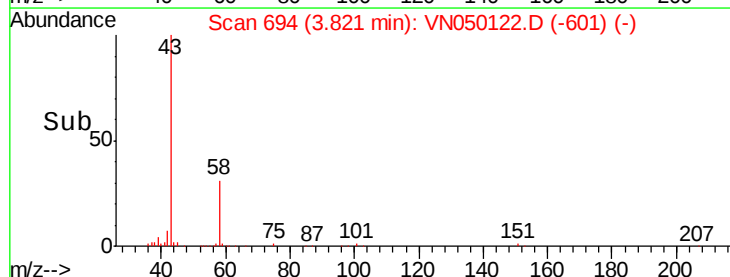
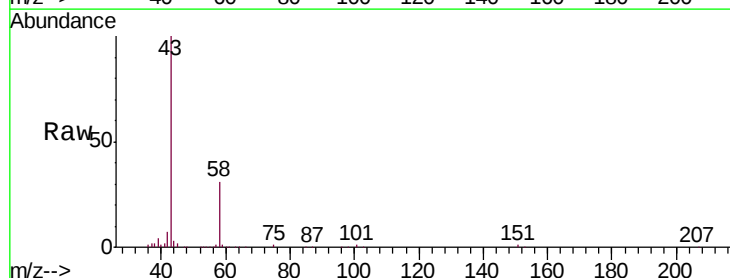
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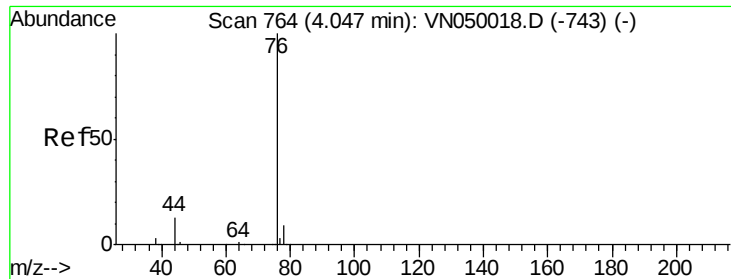
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#16
 Acetone
 Concen: 248.30 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.8	38.8





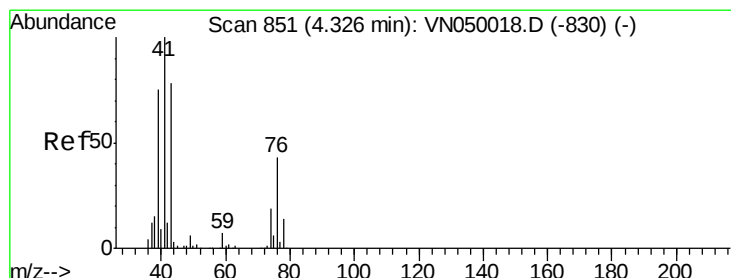
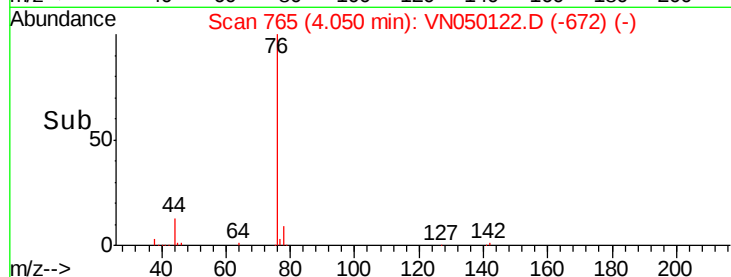
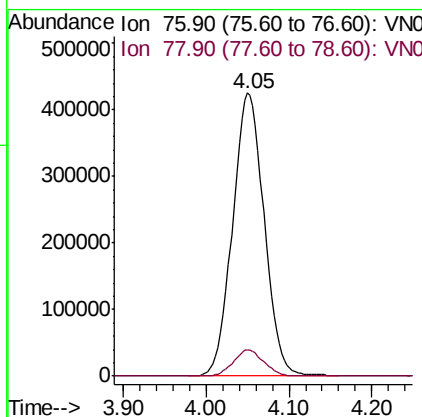
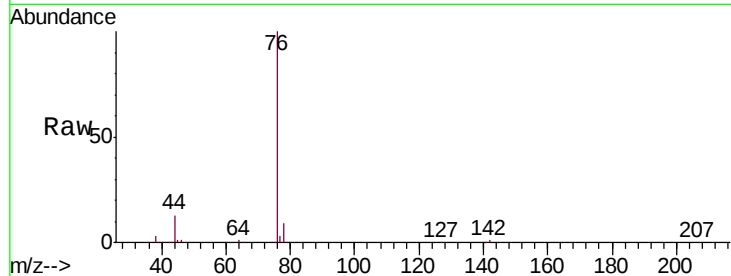
#17
Carbon Disulfide
Concen: 44.78 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMSD

Tot Ion: 76 Resp: 1124905
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

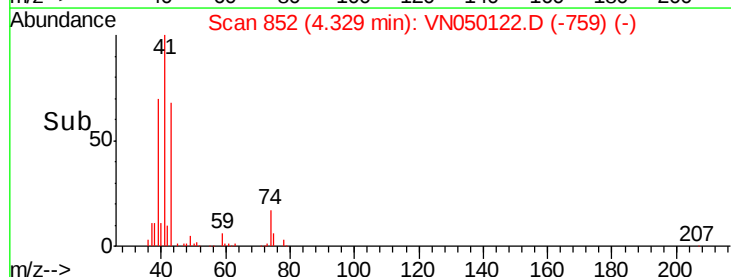
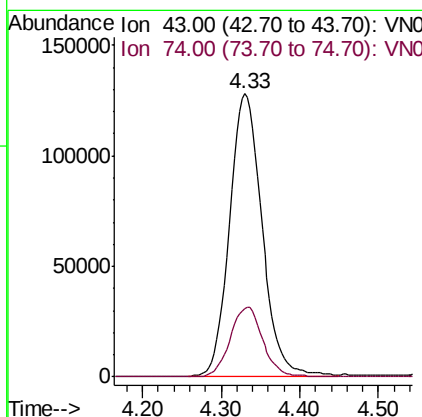
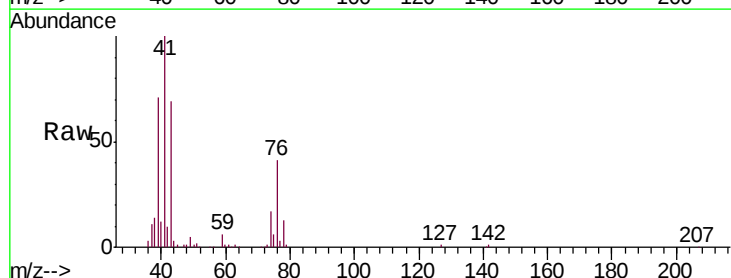
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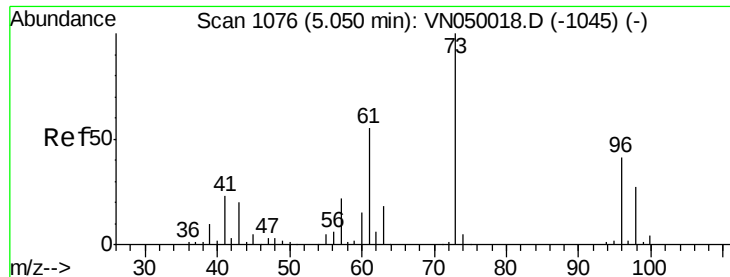
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#18
Methyl Acetate
Concen: 39.91 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion: 43 Resp: 365897
Ion Ratio Lower Upper
43 100
74 25.0 19.2 28.8





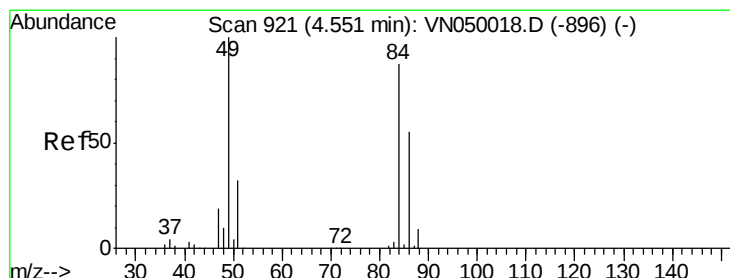
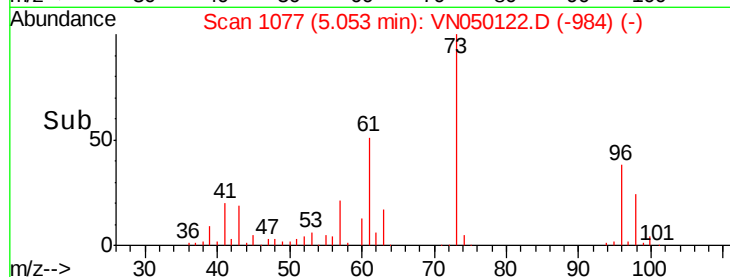
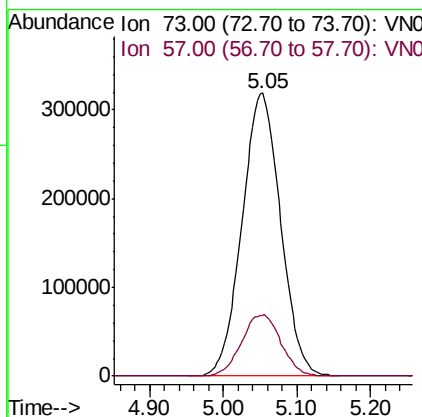
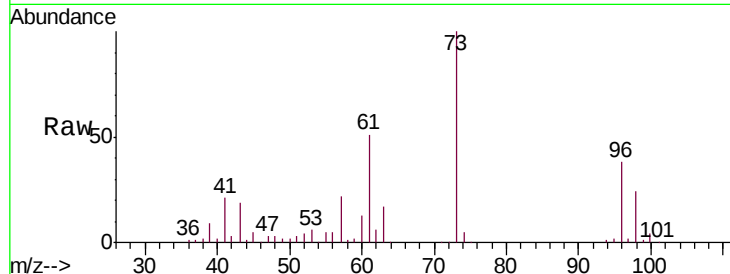
#19
Methyl tert-butyl Ether
Concen: 53.15 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMSD

Tot Ion: 73 Resp: 1161332
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0

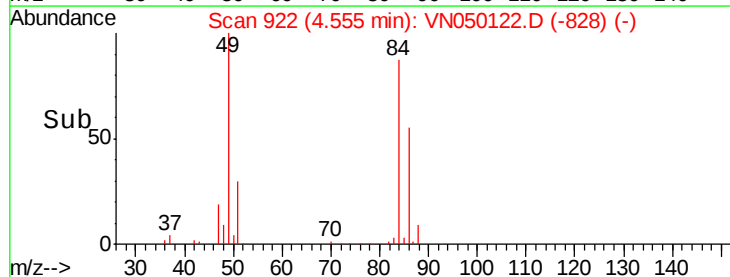
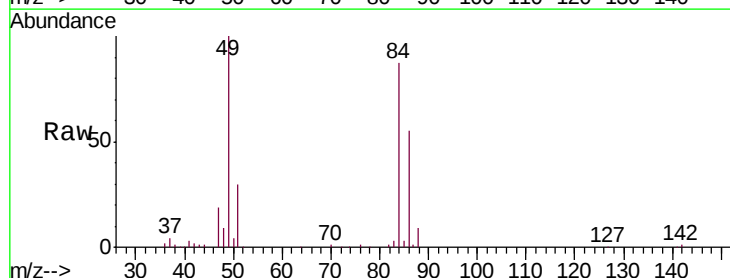
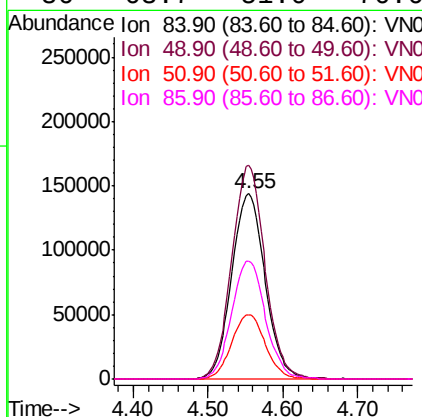
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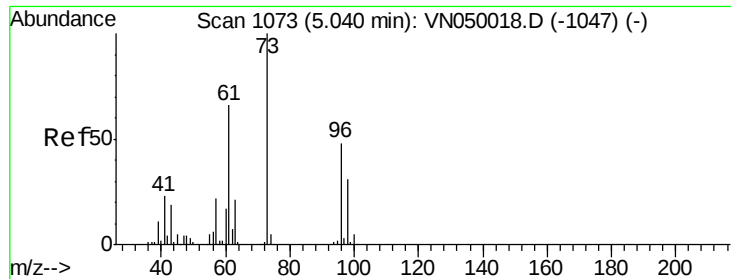
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#20
Methylene Chloride
Concen: 50.94 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion: 84 Resp: 448096
Ion Ratio Lower Upper
84 100
49 115.4 94.8 142.2
51 34.5 28.3 42.5
86 63.7 51.0 76.6





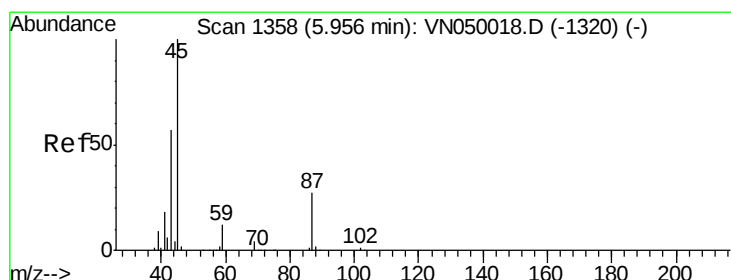
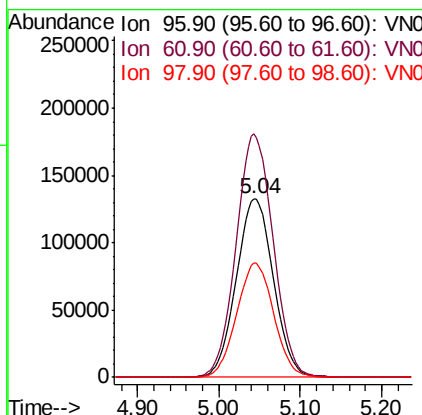
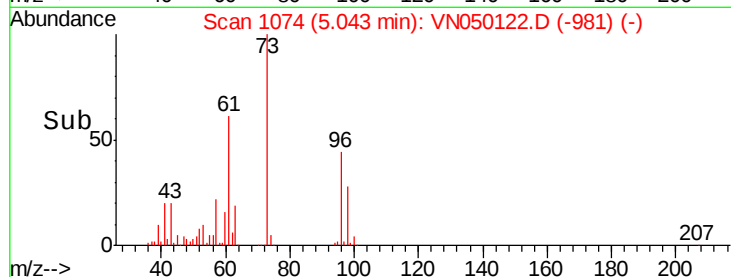
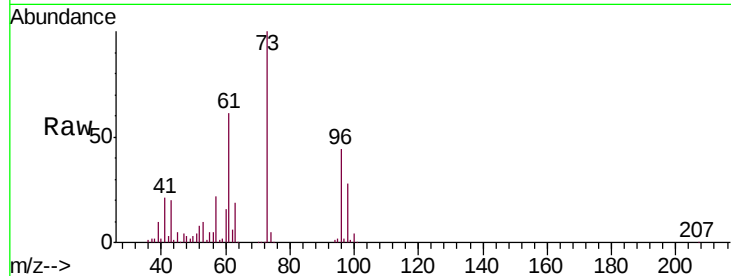
#21
trans-1,2-Dichloroethene
Concen: 48.20 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMSD

Tot Ion: 96 Resp: 418814
Ion Ratio Lower Upper
96 100
61 136.4 110.7 166.1
98 63.9 51.6 77.4

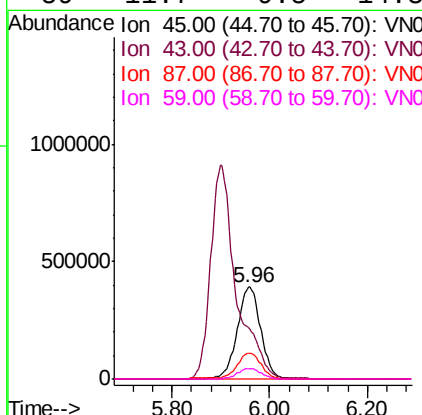
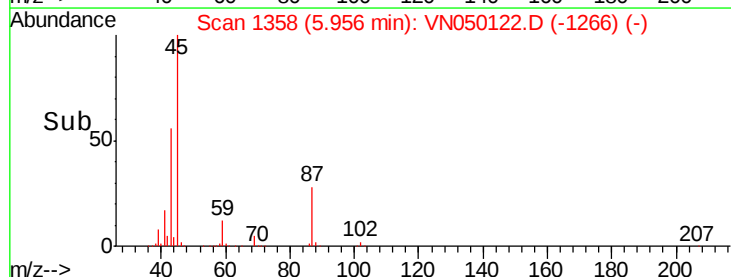
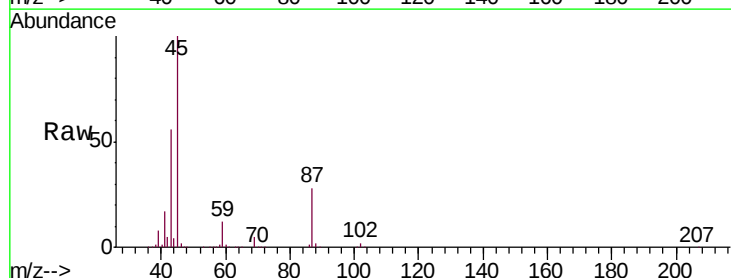
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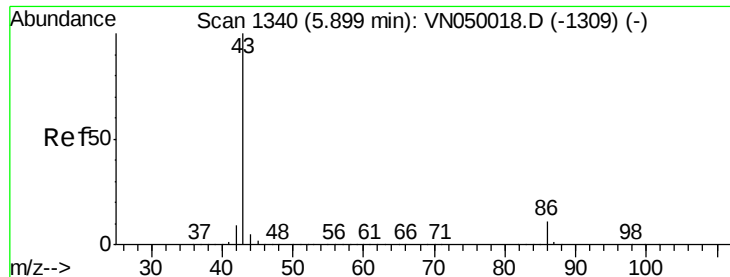
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#22
Diisopropyl ether
Concen: 52.05 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion: 45 Resp: 1312102
Ion Ratio Lower Upper
45 100
43 55.6 45.7 68.5
87 28.4 22.7 34.1
59 11.7 9.5 14.3





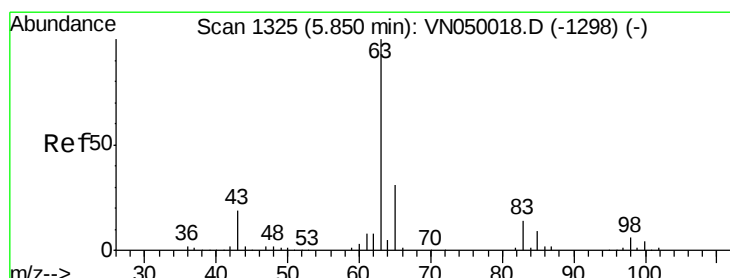
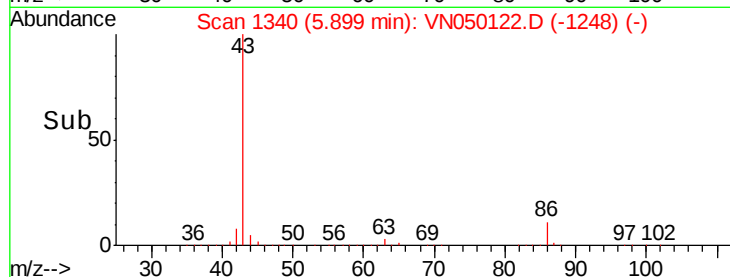
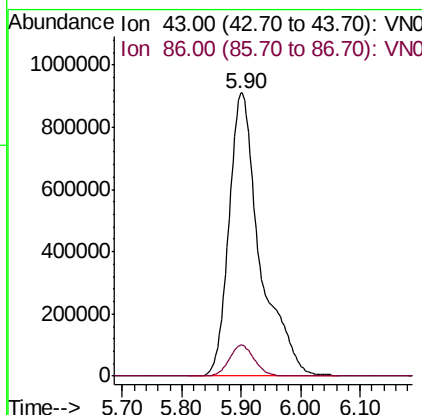
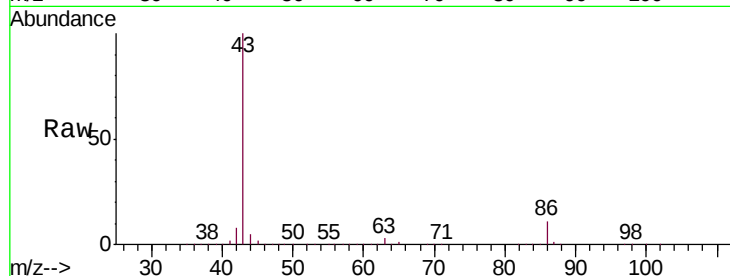
#23
 Vinyl Acetate
 Concen: 185.38 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Instrument :
 MSVOA_N
 ClientSampled :
 MW-7BSMSD

Tot Ion: 43 Resp: 3302569
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0

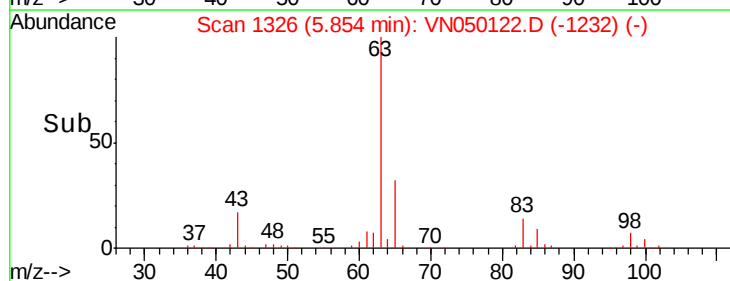
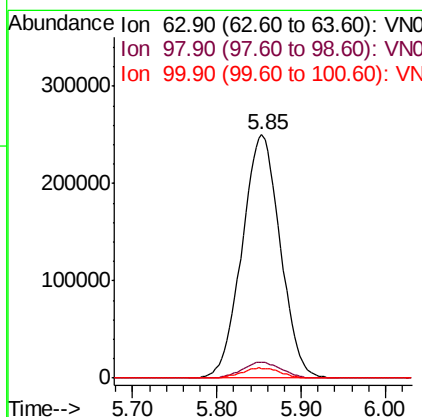
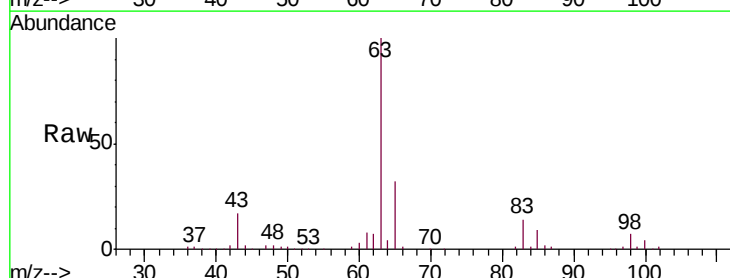
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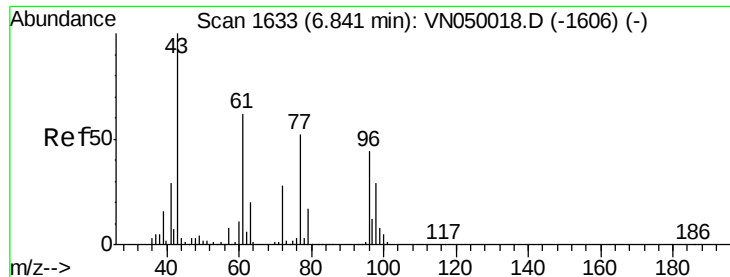
MMDadoda
 7/27/2018 12:17:10 PM



#24
 1,1-Dichloroethane
 Concen: 47.78 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Tgt Ion: 63 Resp: 787705
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 232.62 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion: 43 Resp: 880676

Ion Ratio Lower Upper

43 100

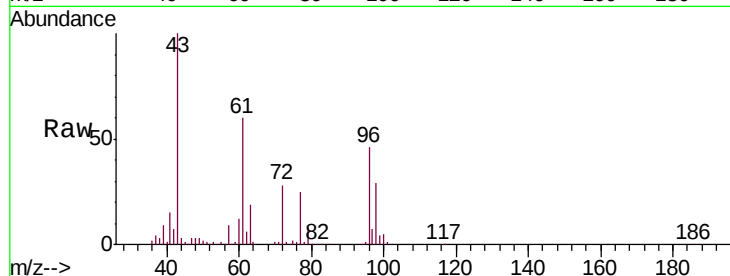
72 28.2 21.5 32.3

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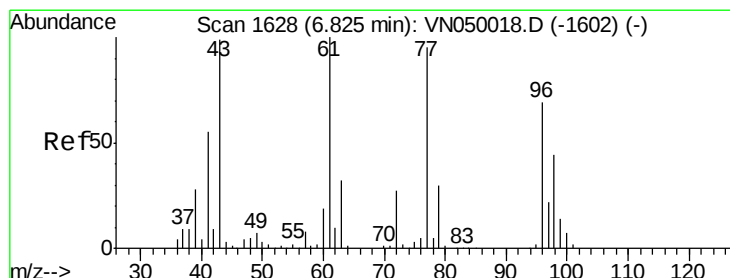
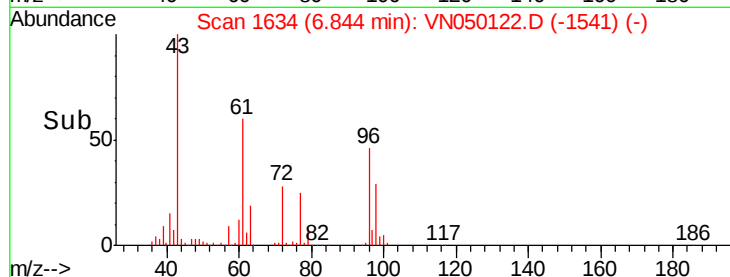
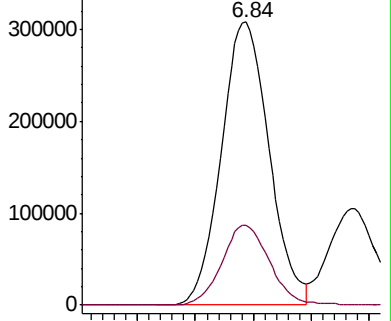
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 25.52 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050122.D

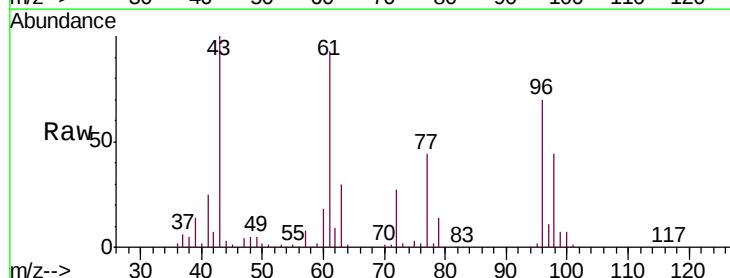
Acq: 27 Jul 2018 8:36

Tgt Ion: 77 Resp: 320011

Ion Ratio Lower Upper

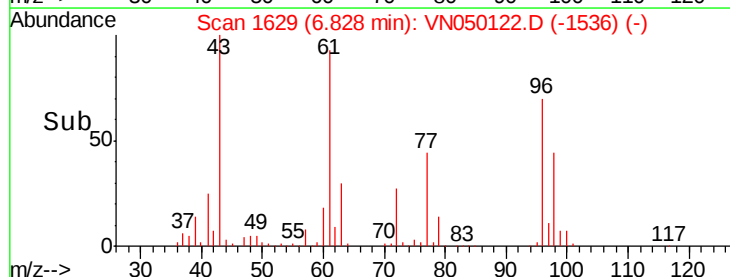
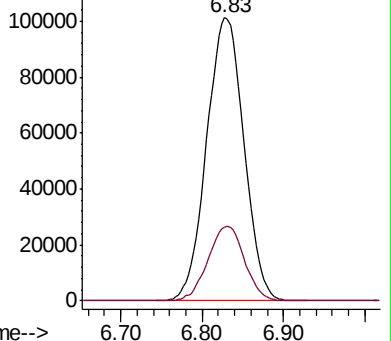
77 100

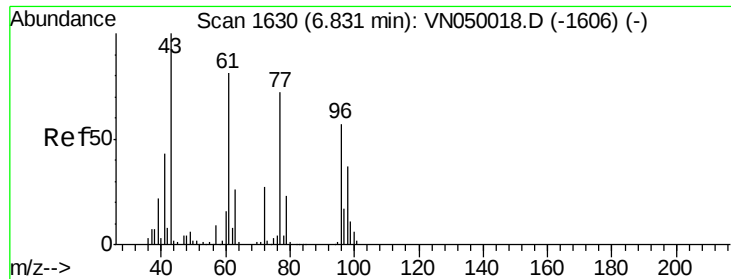
97 25.8 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 51.23 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

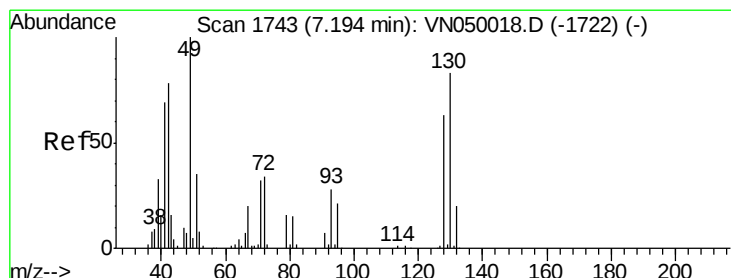
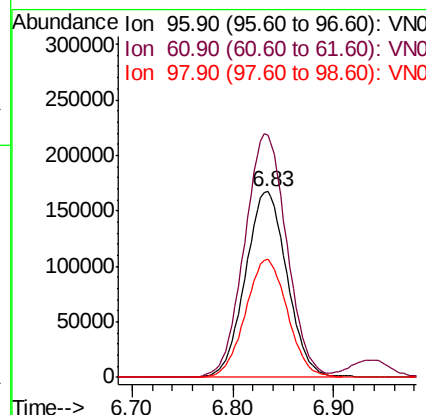
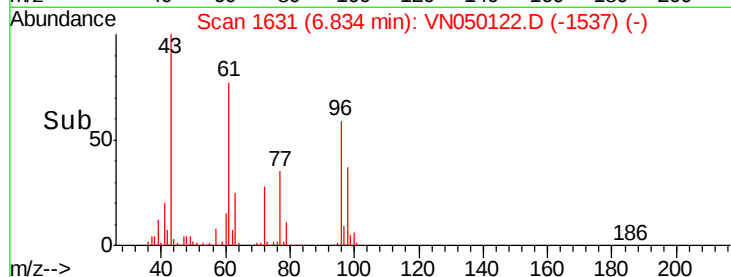
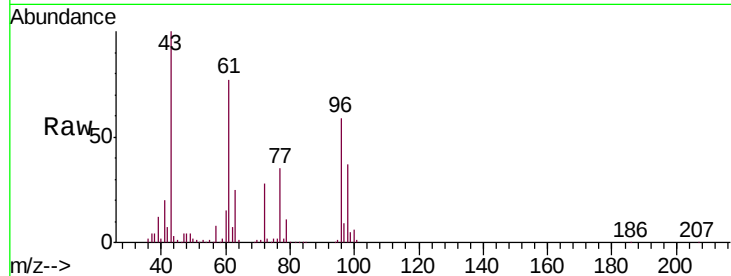
ClientSampled :

MW-7BSMSD

Tot Ion:	96	Resp:	479183
Ion Ratio	Lower	Upper	
96	100		
61	133.2	0.0	285.0
98	64.0	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 49.02 ug/l

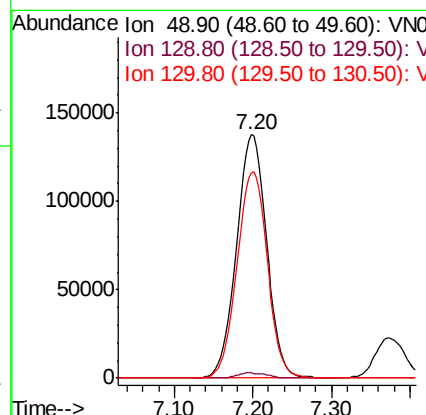
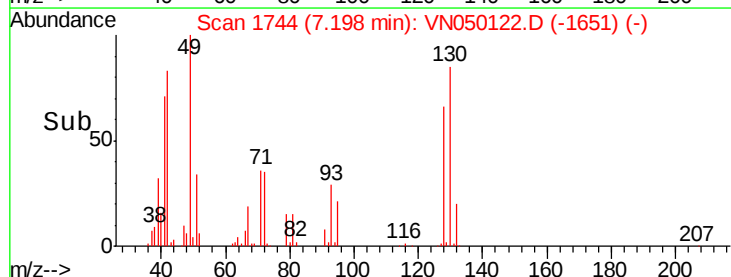
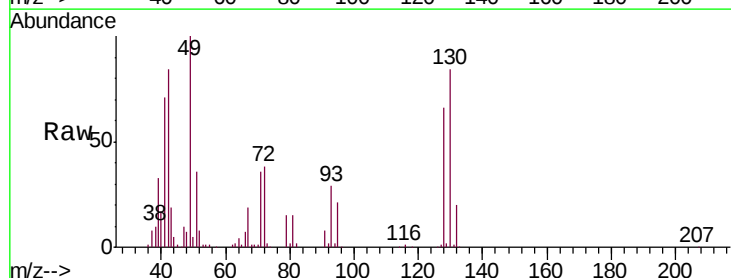
RT: 7.20 min Scan# 1744

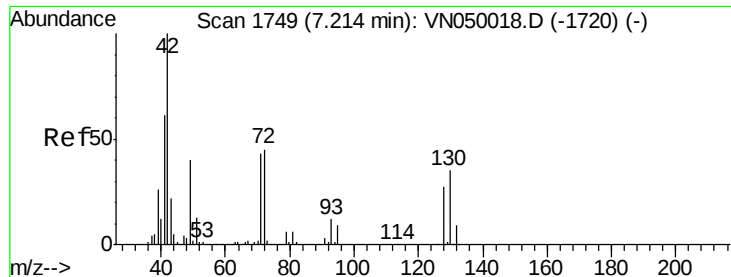
Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Tgt Ion:	49	Resp:	368550
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.0
130	85.5	66.3	99.5





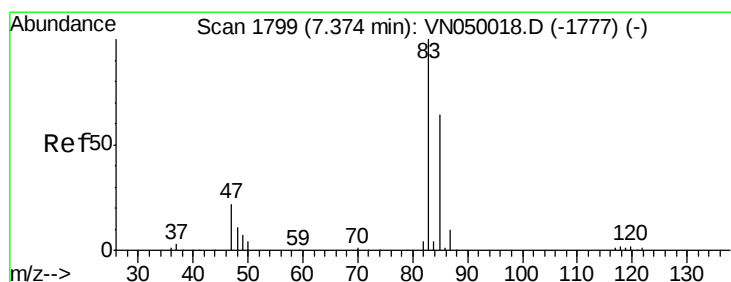
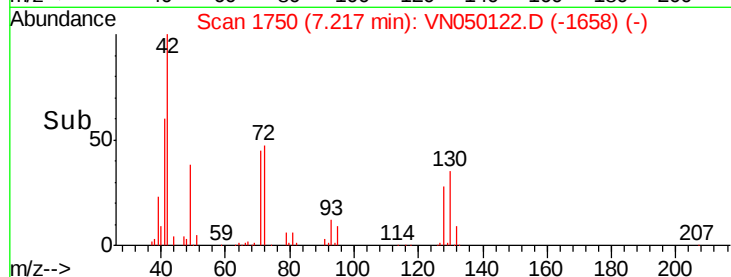
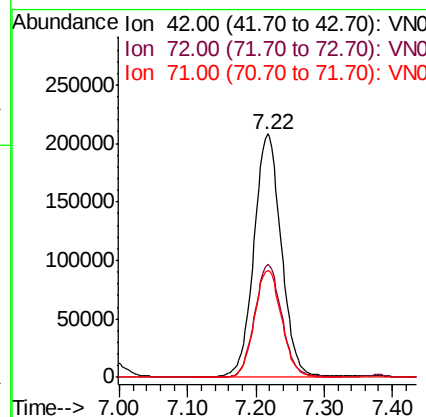
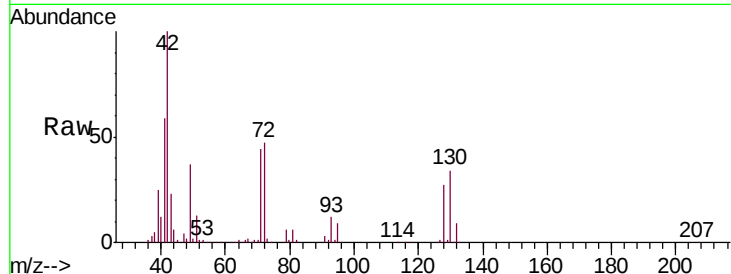
#29
Tetrahydrofuran
Concen: 236.65 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.9	53.9
71	43.8	33.7	50.5

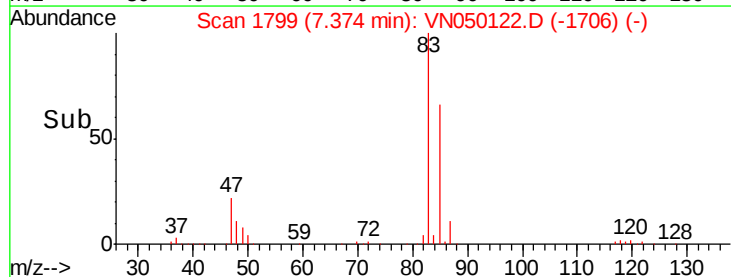
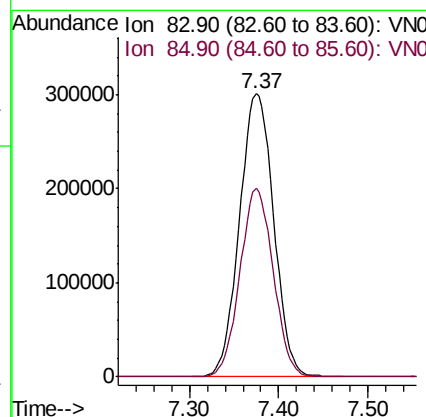
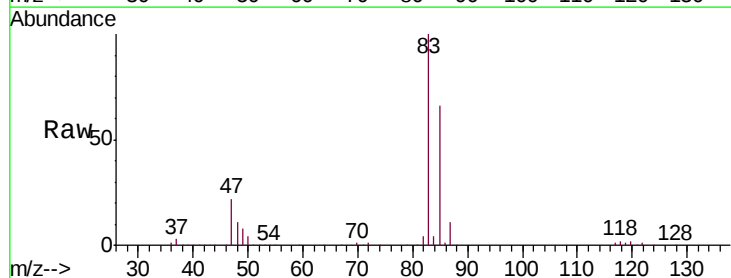
Manual Integrations
APPROVED

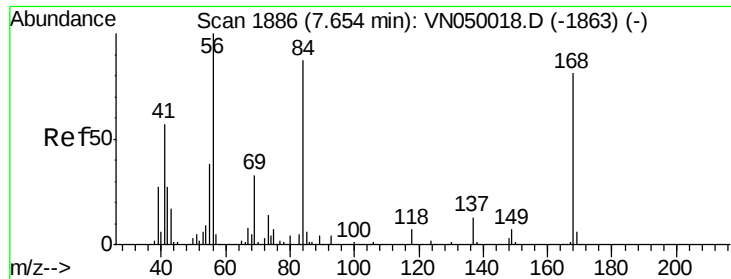
MMDadoda
7/27/2018 12:17:10 PM



#30
Chloroform
Concen: 47.61 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.5	78.7





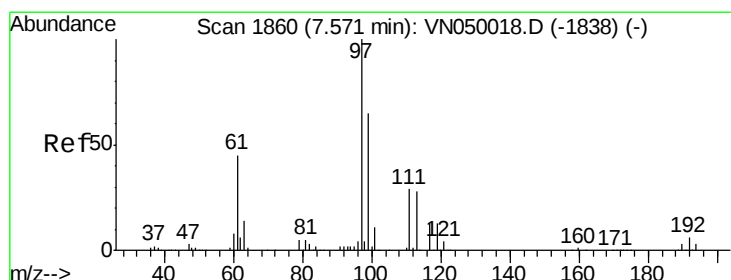
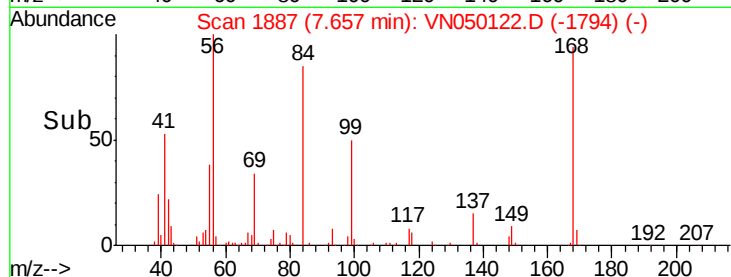
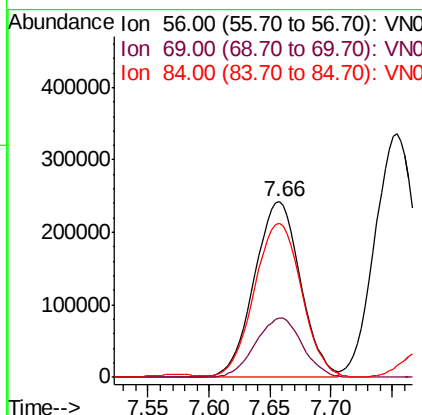
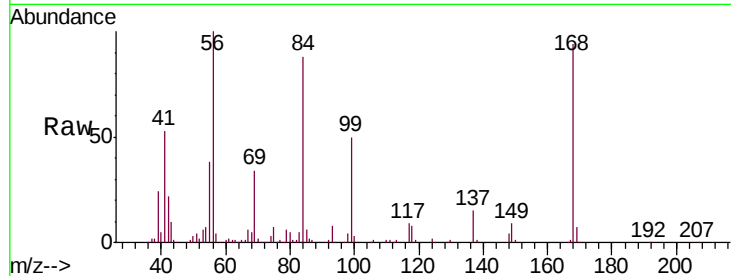
#31
Cyclohexane
Concen: 46.71 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.2	39.4
84	86.4	67.4	101.0

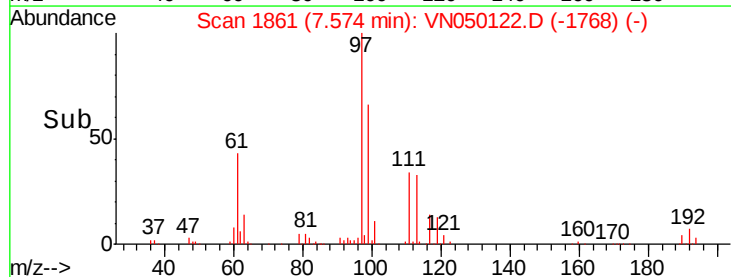
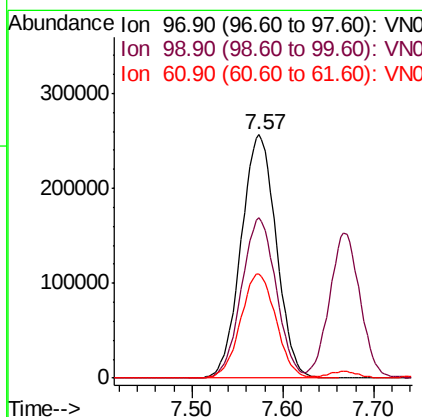
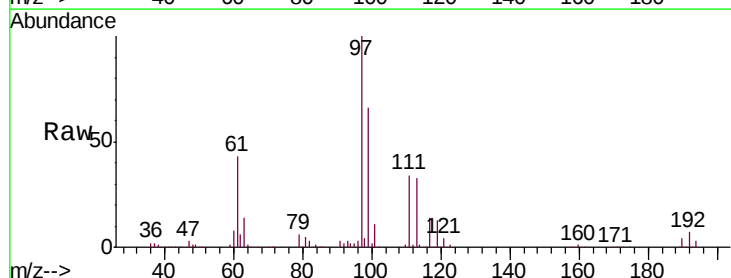
Manual Integrations
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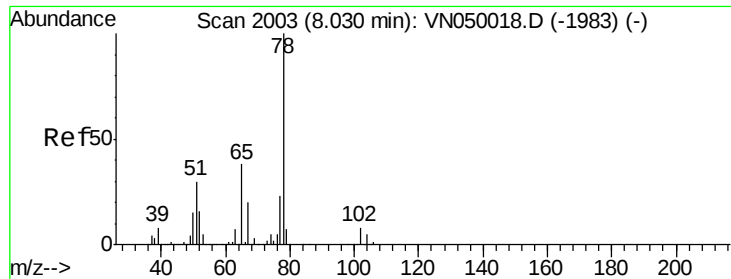
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.86 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	42.9	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 49.10 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion: 65 Resp: 487374

Ion Ratio Lower Upper

65 100

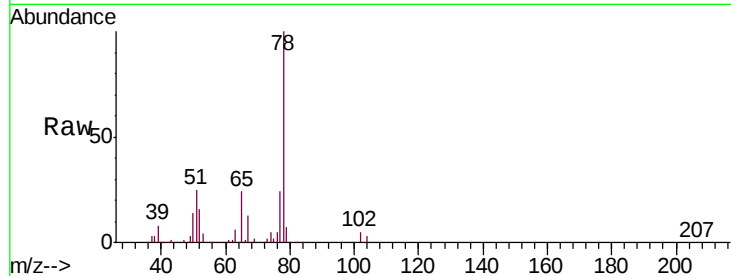
67 53.8 0.0 108.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN050122.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050122.D (-1983) (-)

250000

200000

150000

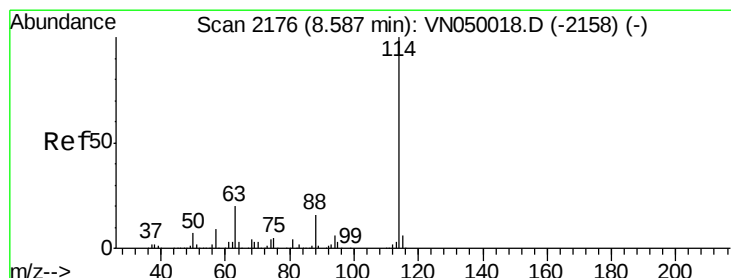
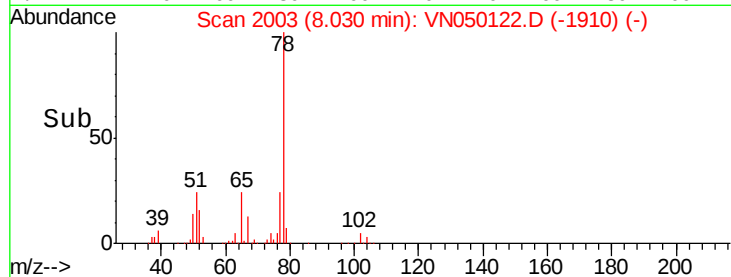
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

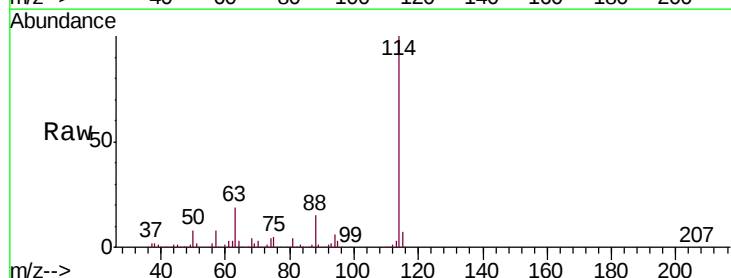
Tgt Ion: 114 Resp: 1107509

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050122.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050122.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050122.D (-2158) (-)

600000

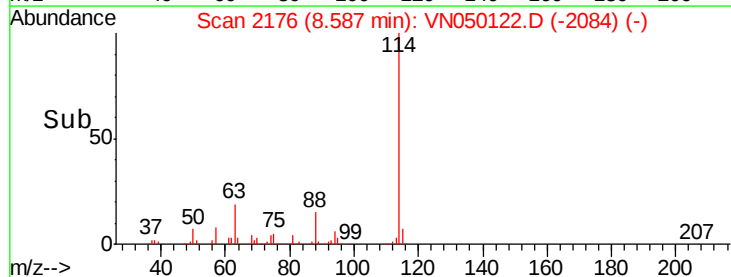
400000

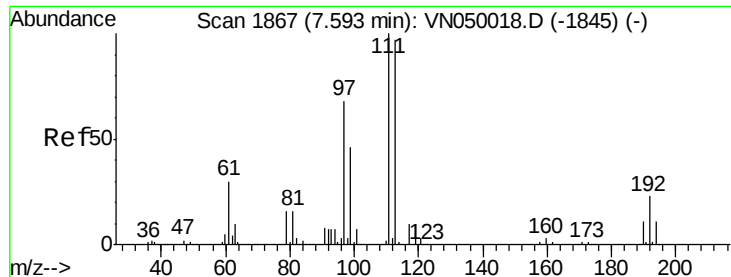
200000

0

8.50 8.60 8.70

Time-->





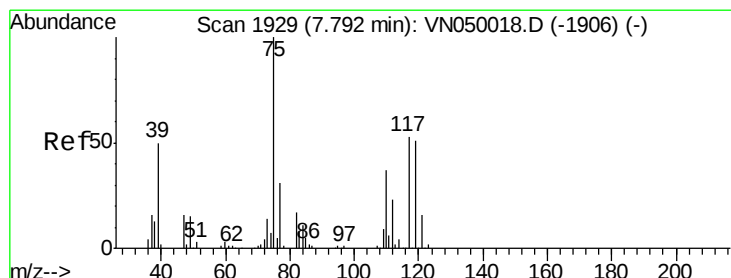
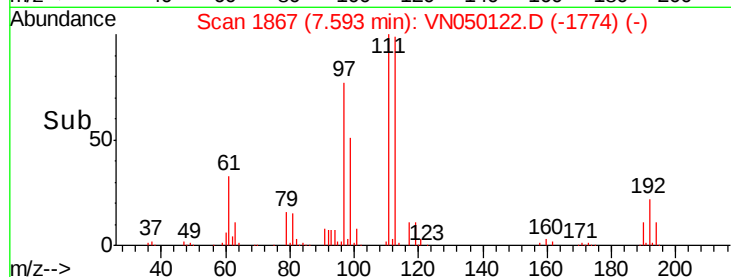
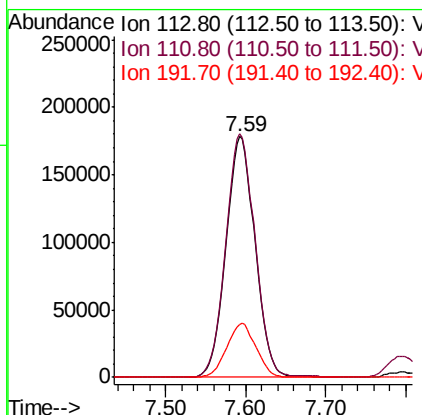
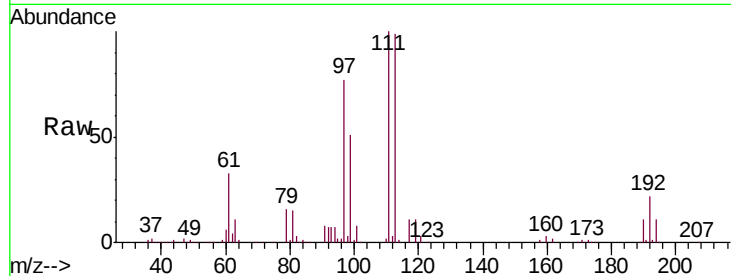
#35
Dibromofluoromethane
Concen: 48.74 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	440706		
111	101.9	80.7	121.1	
192	22.4	17.8	26.6	

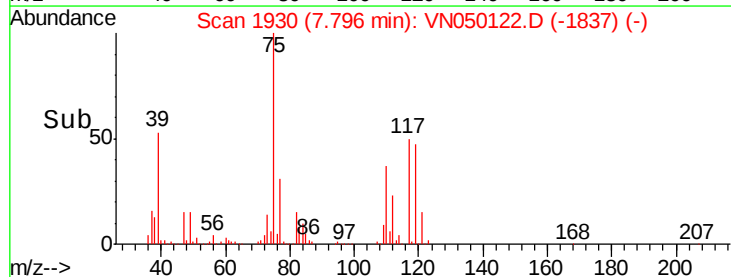
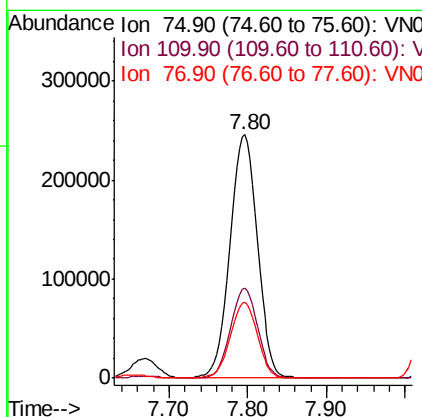
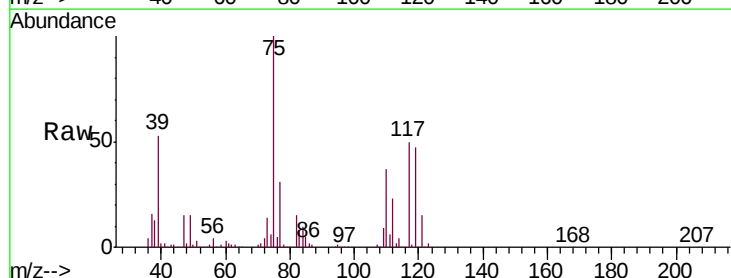
Manual Integrations
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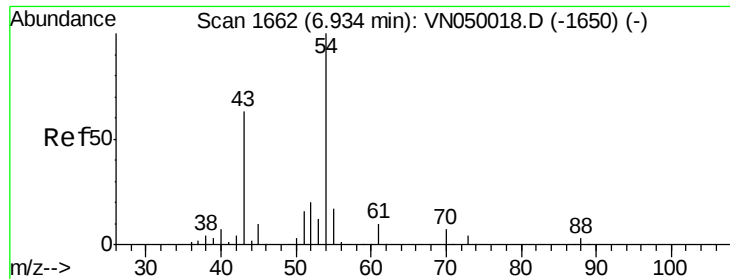
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#36
1,1-Dichloropropene
Concen: 47.70 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	595233		
110	36.6	18.4	55.2	
77	31.0	25.3	37.9	





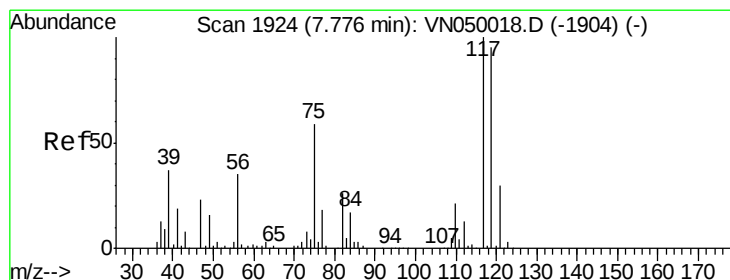
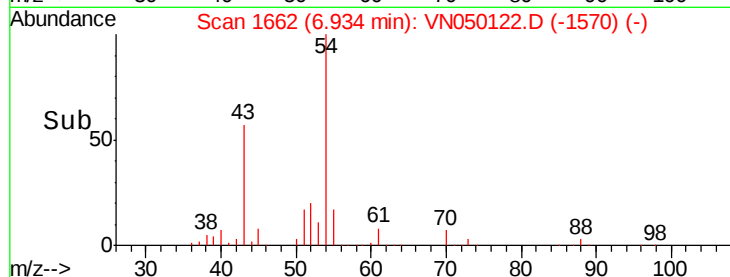
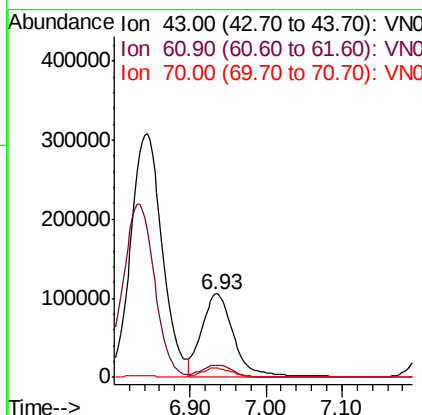
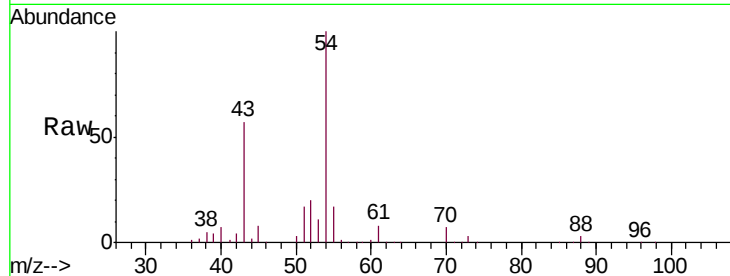
#37
Ethyl Acetate
Concen: 35.04 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMSD

Tot Ion	43	61	70
Ion Ratio	100	14.6	10.7
Resp	304843	11.8	8.4
Lower			
Upper		17.8	12.6

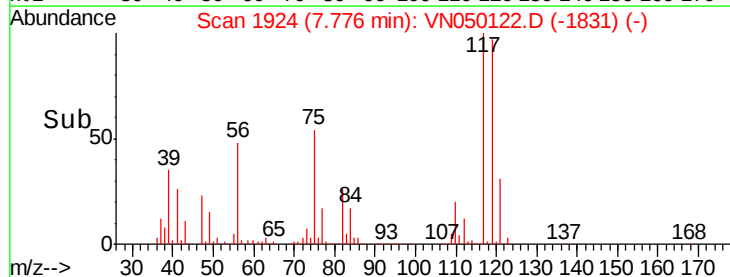
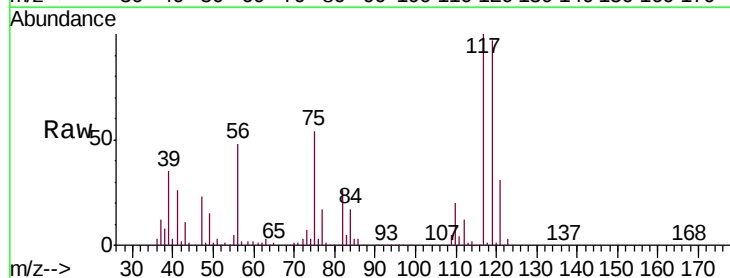
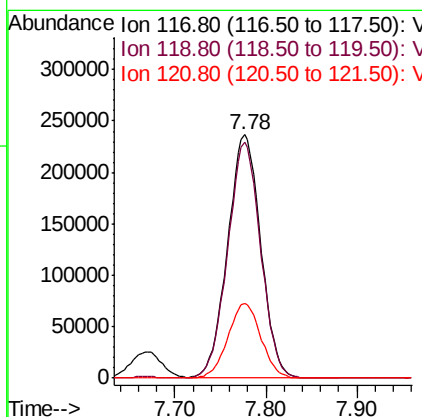
Manual Integrations
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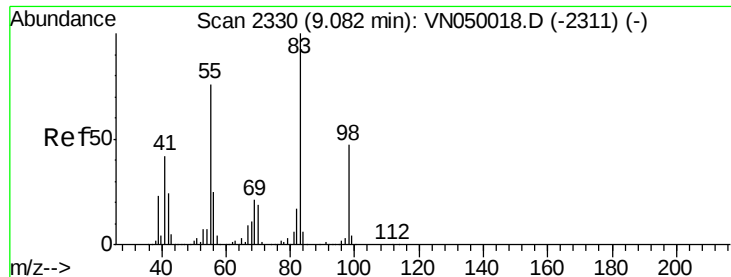
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#38
Carbon Tetrachloride
Concen: 45.19 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	117	119	121
Ion Ratio	100	96.8	30.9
Resp	598263	77.4	23.9
Lower			
Upper		116.0	35.9





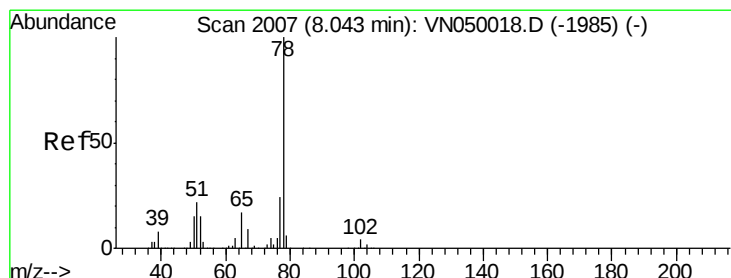
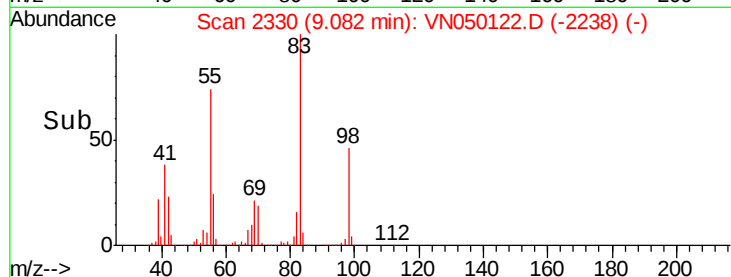
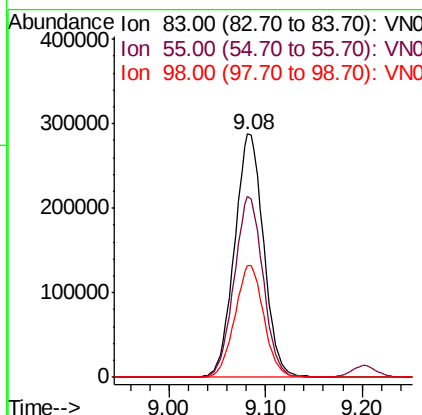
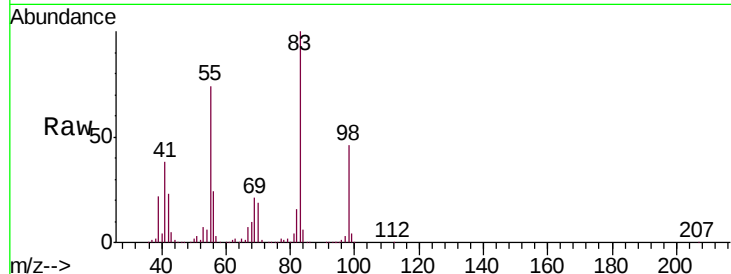
#39
Methvlcvclohexane
Concen: 46.71 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	599620		
55	74.4		61.8	92.8
98	45.8		36.5	54.7

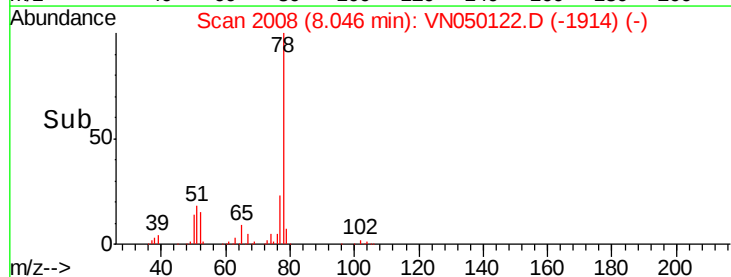
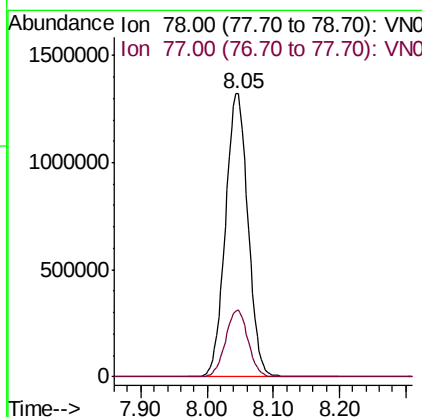
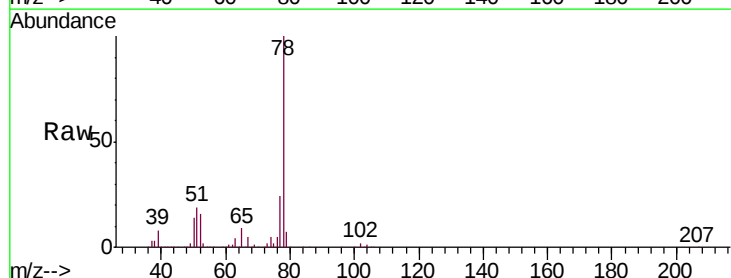
Manual Integrations
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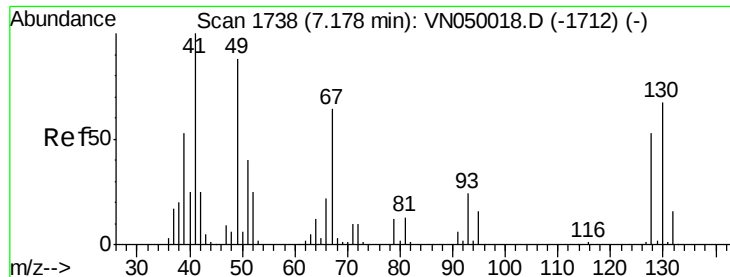
MMDadoda
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#40
Benzene
Concen: 81.99 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	3112903		
77	23.6		18.7	28.1





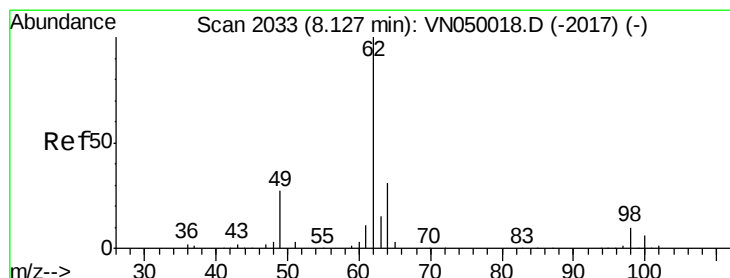
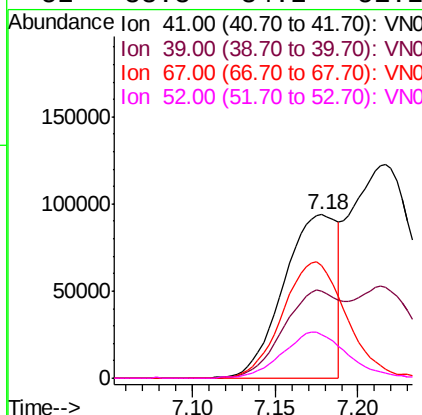
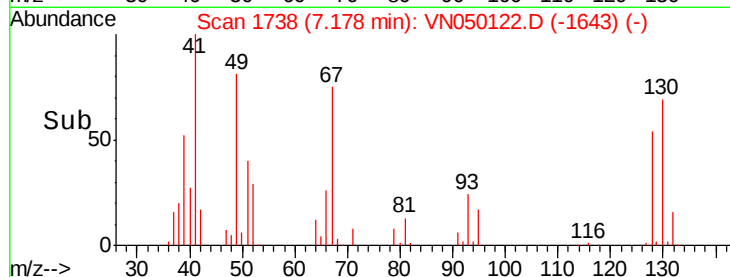
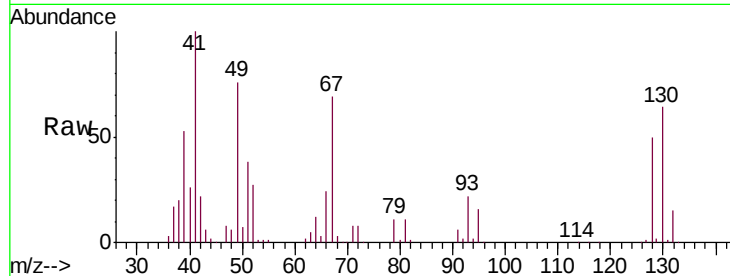
#41
Methacrylonitrile
Concen: 46.76 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.5	55.8	83.6
67	85.2	84.3	126.5
52	33.3	34.2	51.2#

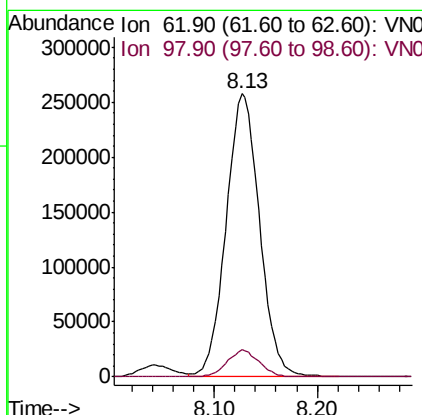
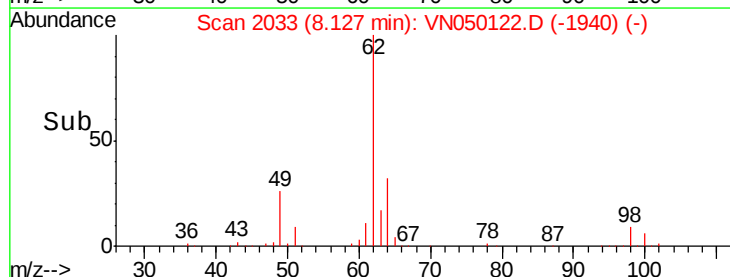
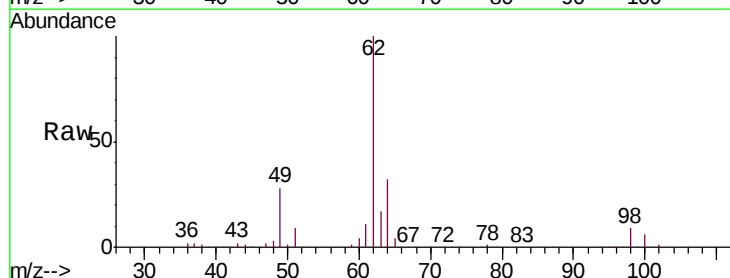
Manual Integrations
APPROVED

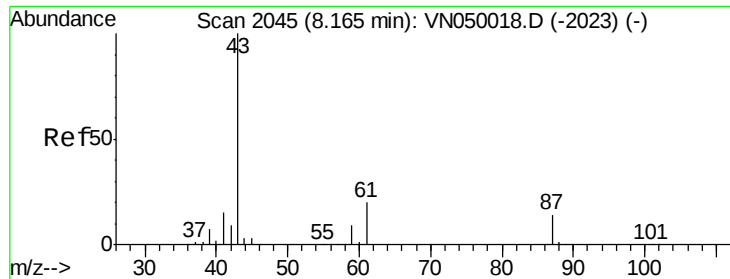
MMDadoda
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#42
1,2-Dichloroethane
Concen: 45.77 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8





#43

Isopropyl Acetate

Concen: 40.67 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

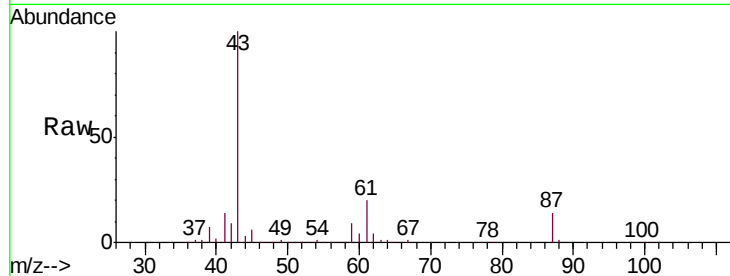
ClientSampleId :

MW-7BSMSD

Tot Ion:	43	Resp:	670150
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.8	23.6
87	12.7	10.3	15.5

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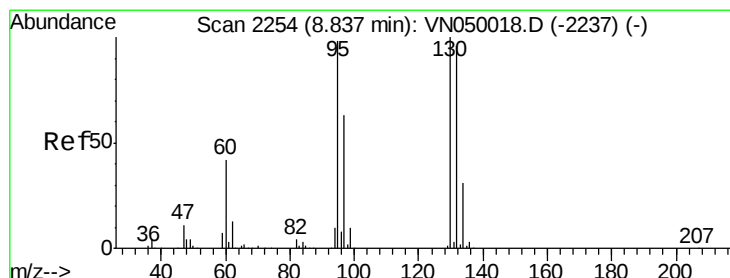
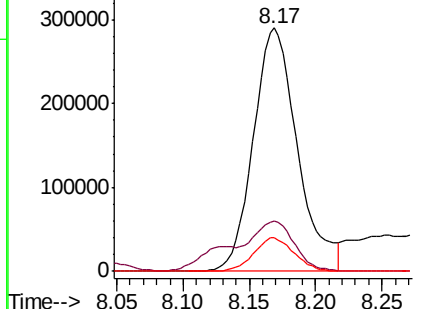
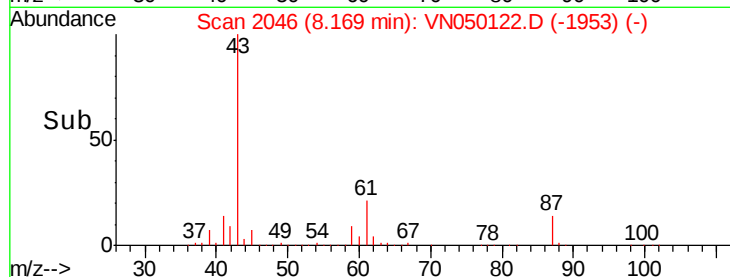


Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

Time-->



#44

Trichloroethene

Concen: 47.27 ug/l

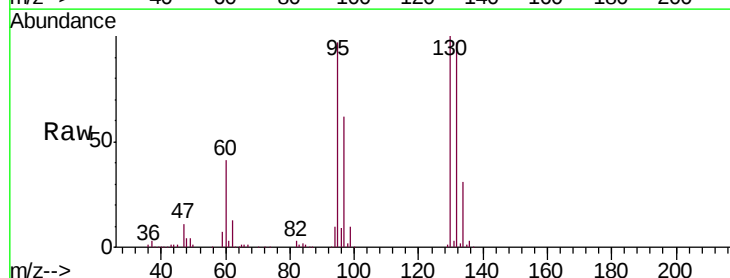
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

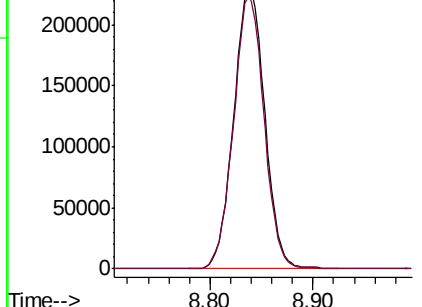
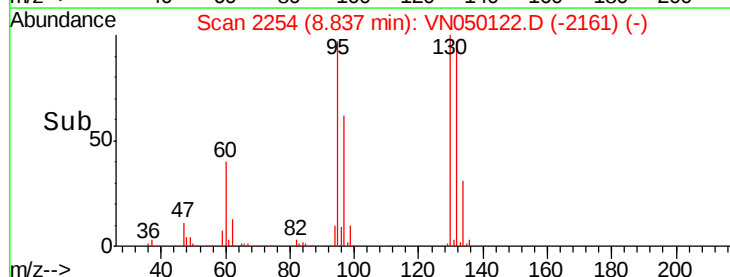
Tgt Ion:	130	Resp:	482232
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	194.6

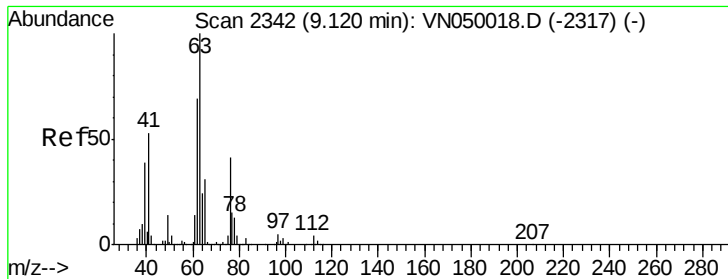


Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 46.88 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampled :

MW-7BSMSD

Tot Ion: 63 Resp: 471434

Ion Ratio Lower Upper

63 100

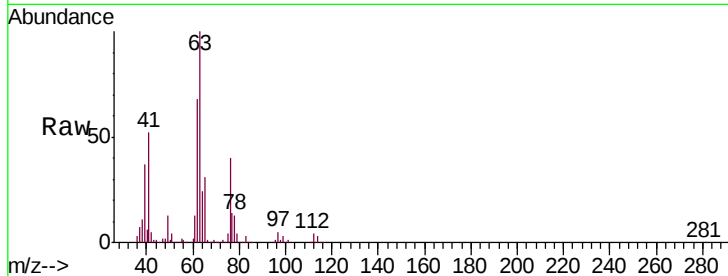
65 31.5 25.5 38.3

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

250000

200000

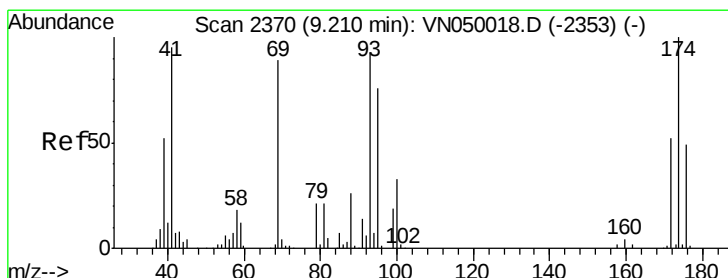
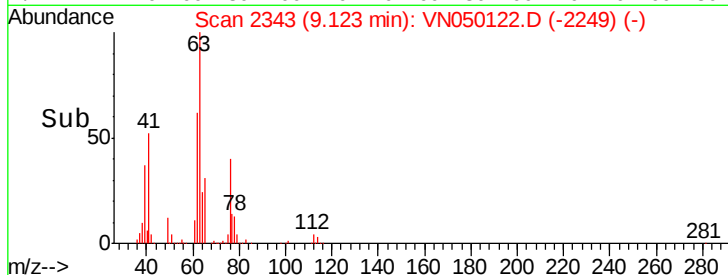
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 46.20 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

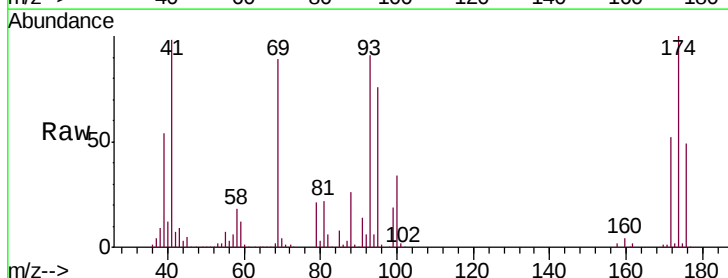
Tgt Ion: 93 Resp: 288477

Ion Ratio Lower Upper

93 100

95 84.0 66.6 100.0

174 112.5 87.1 130.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

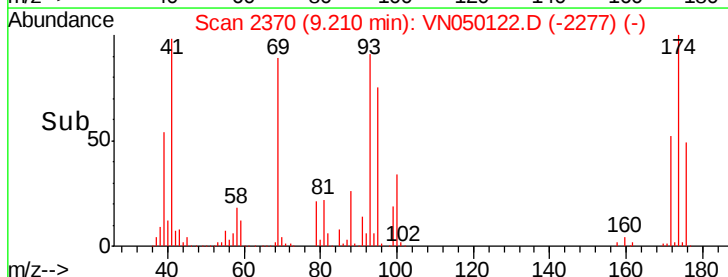
150000

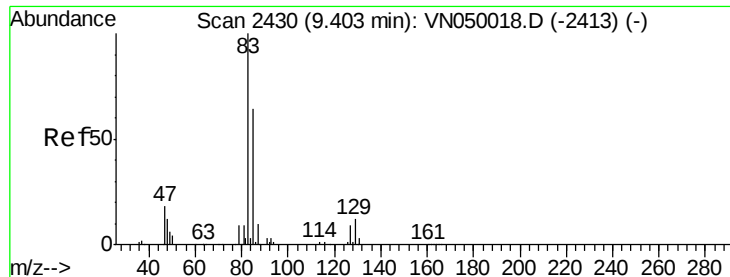
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 46.58 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

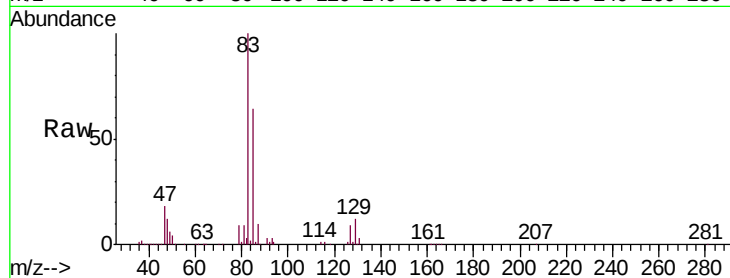
ClientSampleId :

MW-7BSMSD

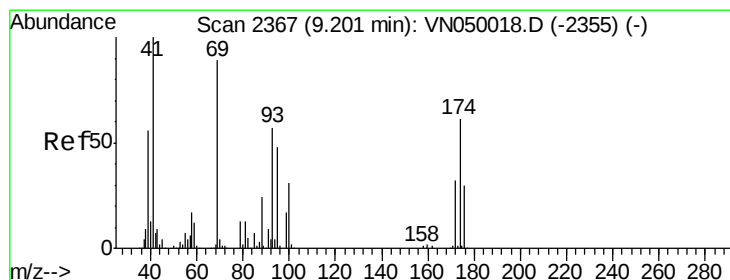
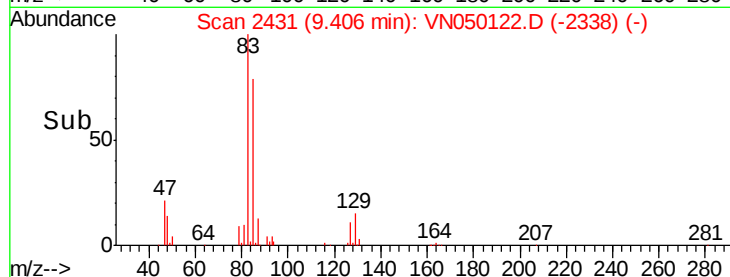
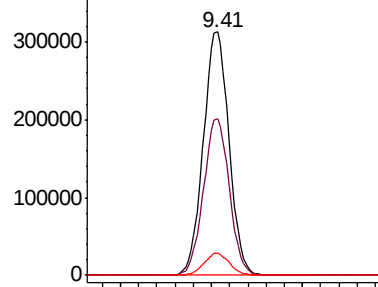
Tot Ion:	83	Resp:	613966
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.1	76.7
127	9.0	7.0	10.4

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 49.07 ug/l

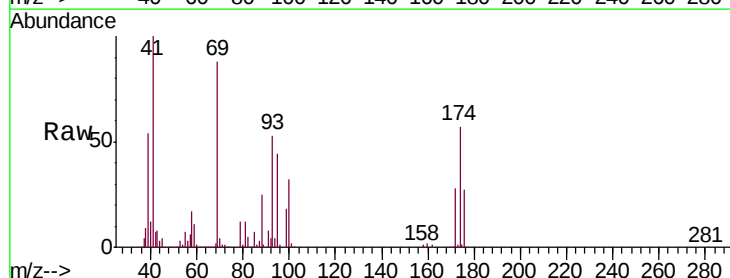
RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

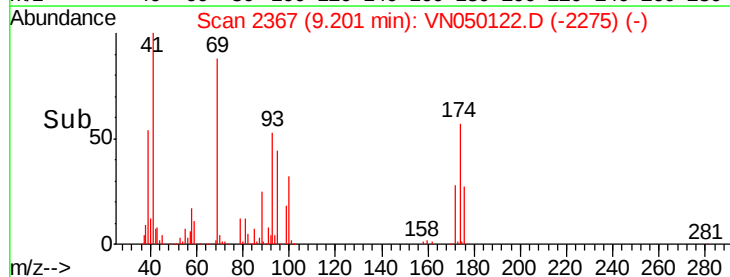
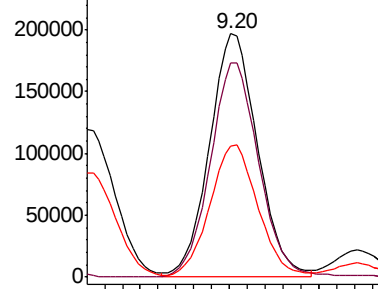
Lab File: VN050122.D

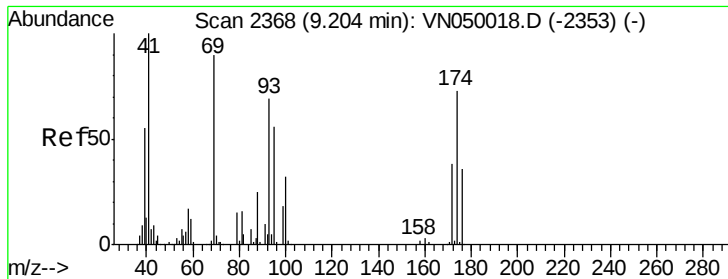
Acq: 27 Jul 2018 8:36

Tgt Ion:	41	Resp:	367643
Ion Ratio	Lower	Upper	
41	100		
69	89.3	70.6	105.8
39	54.6	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC





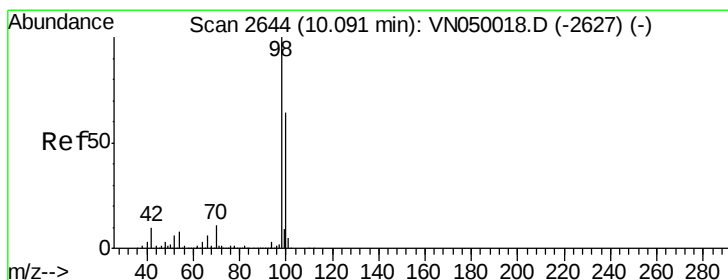
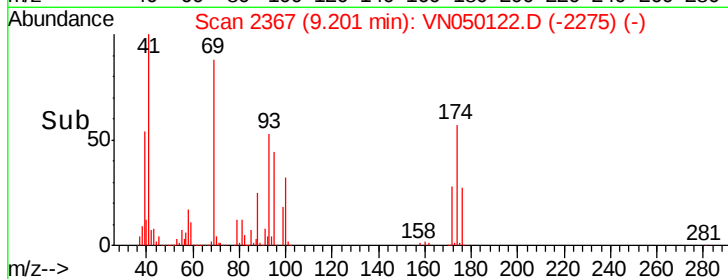
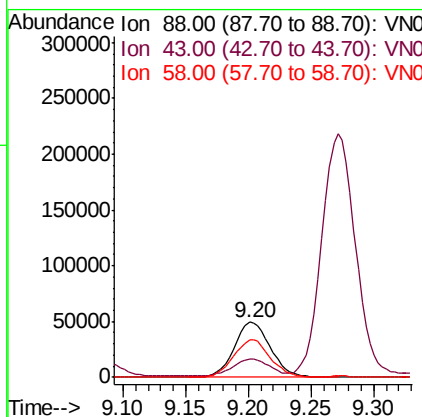
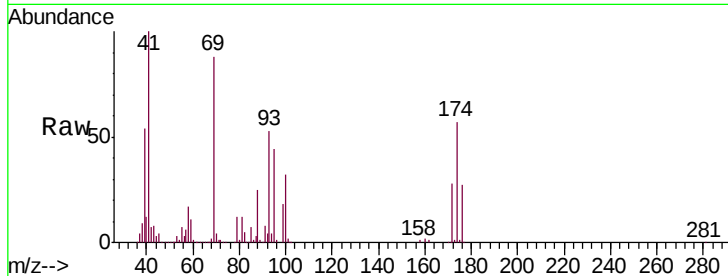
#49
1,4-Dioxane
Concen: 973.83 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMSD

Tot Ion	88	Resp	99293
Ion Ratio	Lower	Upper	
88	100		
43	32.0	26.9	40.3
58	69.0	57.3	85.9

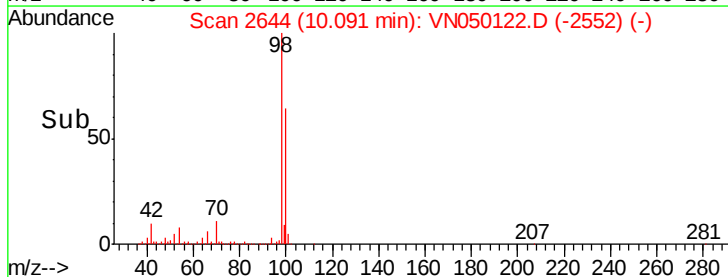
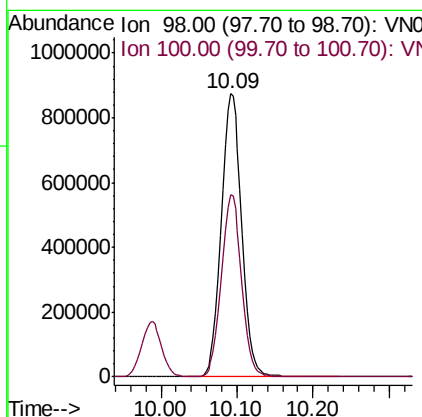
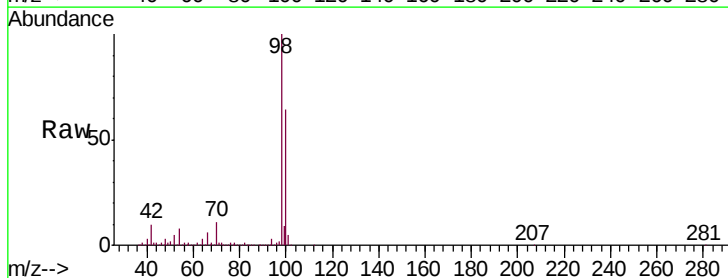
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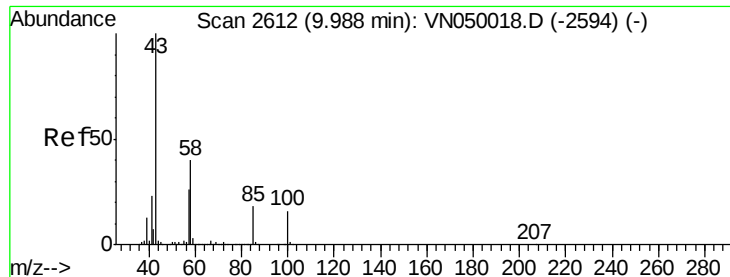
MMDadoda
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#50
Toluene-d8
Concen: 49.12 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	98	Resp	1632990
Ion Ratio	Lower	Upper	
98	100		
100	63.8	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 233.04 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion: 43 Resp: 1992997

Ion Ratio Lower Upper

43 100

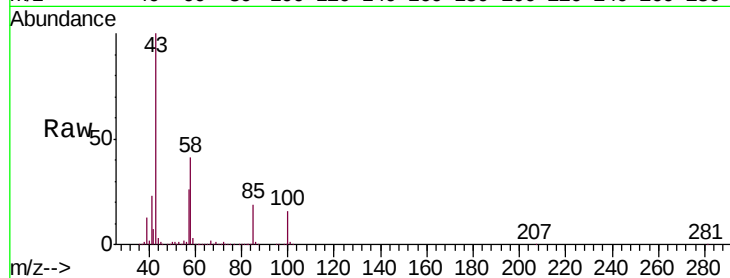
58 40.5 31.9 47.9

Manual Integrations

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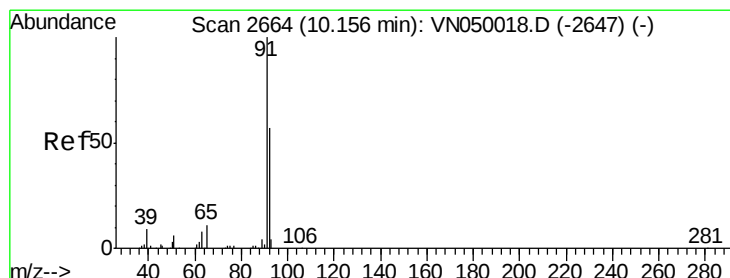
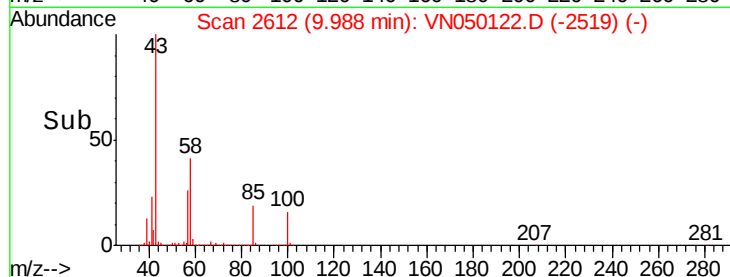
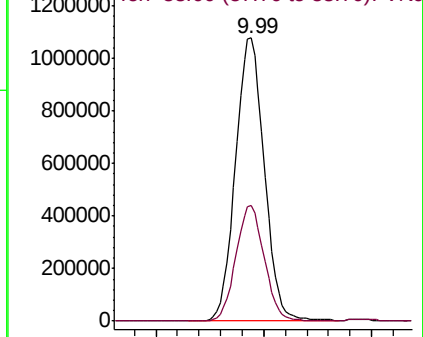
MMDadoda

7/27/2018 12:17:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 57.43 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050122.D

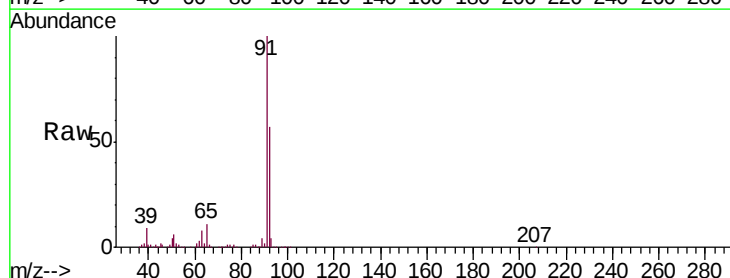
Acq: 27 Jul 2018 8:36

Tgt Ion: 92 Resp: 1287166

Ion Ratio Lower Upper

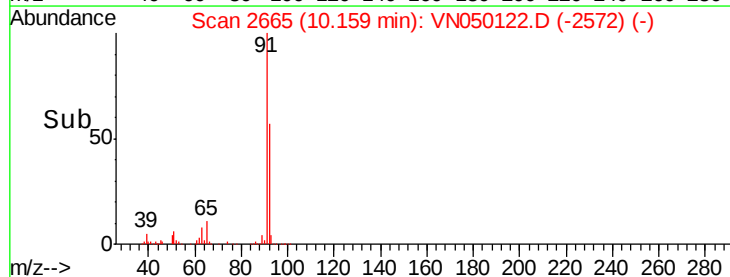
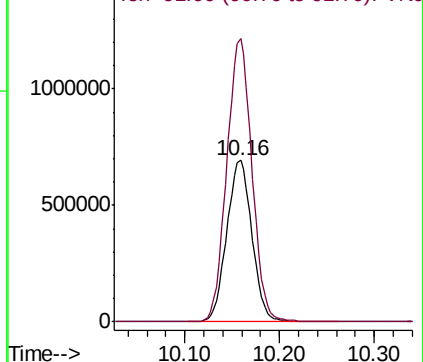
92 100

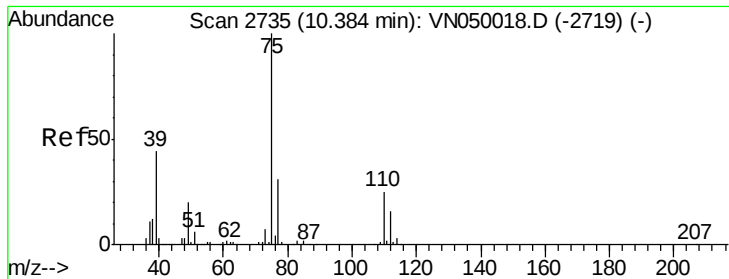
91 174.7 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





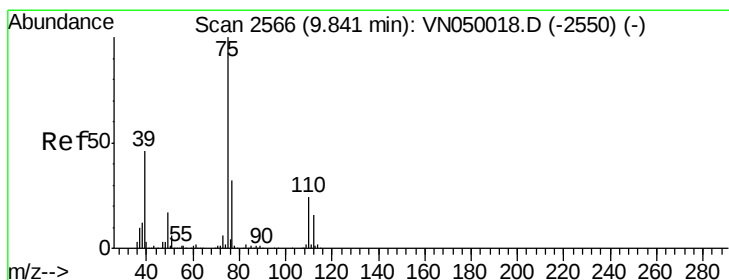
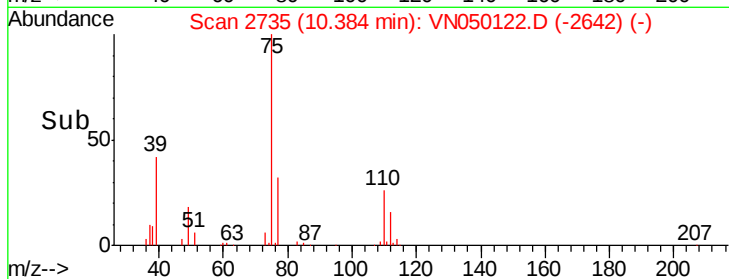
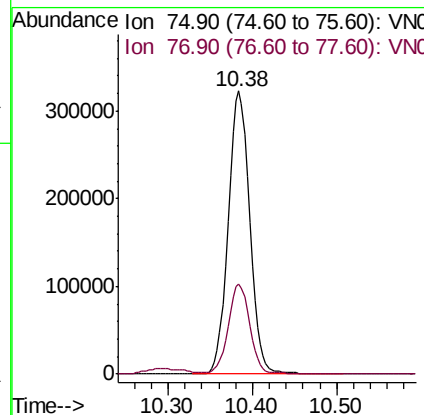
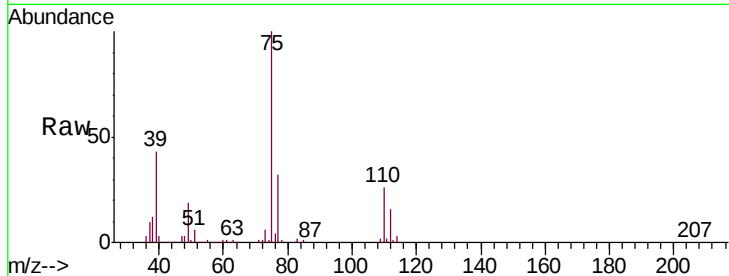
#53
t-1,3-Dichloropropene
Concen: 45.96 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

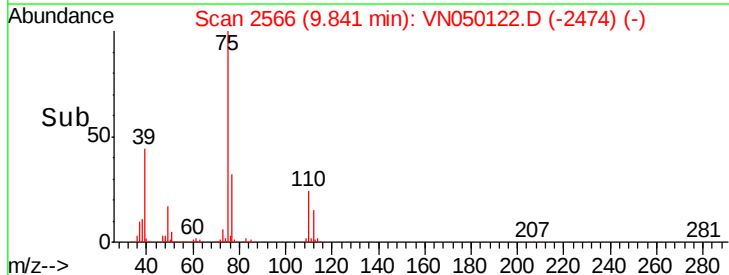
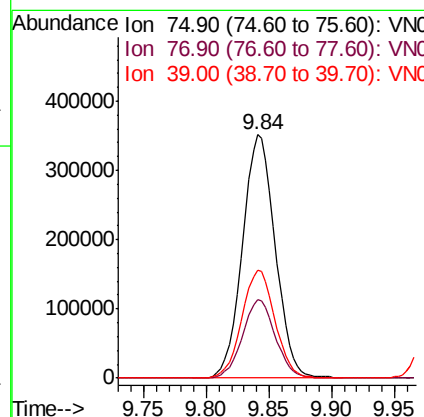
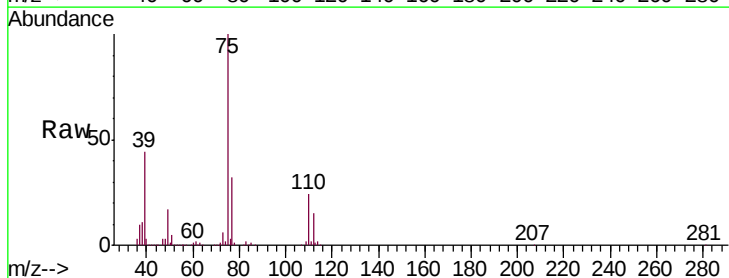
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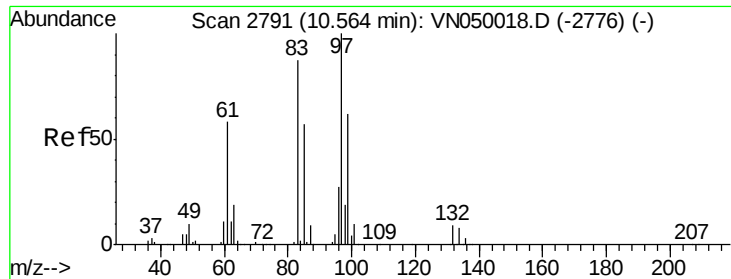
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#54
cis-1,3-Dichloropropene
Concen: 44.92 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	44.4	36.6	55.0





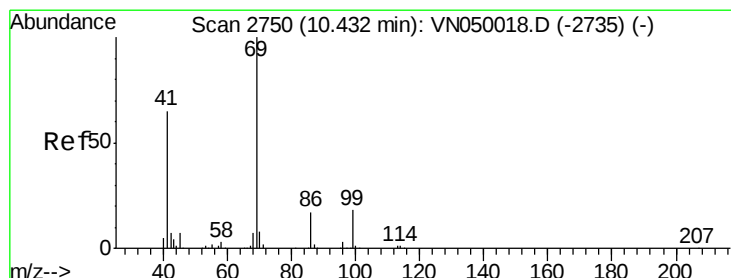
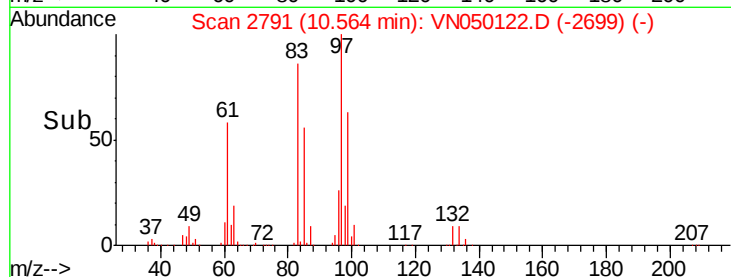
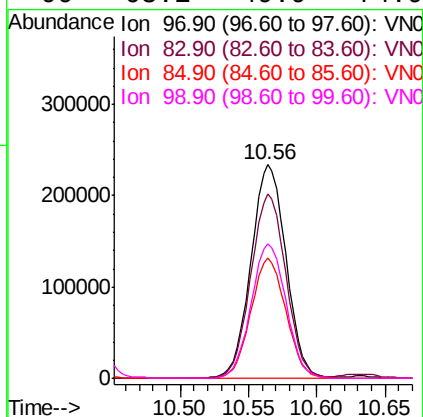
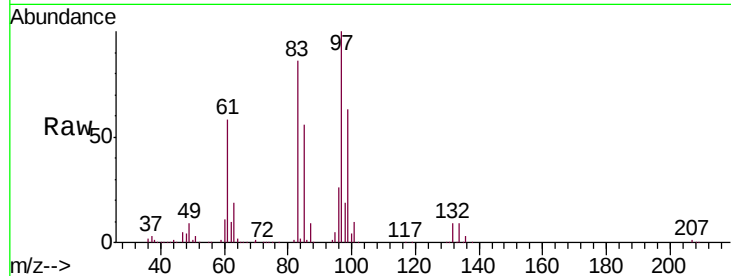
#55
 1,1,2-Trichloroethane
 Concen: 46.91 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.2	103.8
85	56.3	44.0	66.0
99	63.1	49.9	74.9

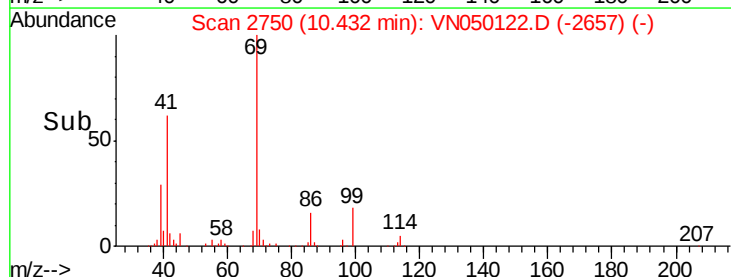
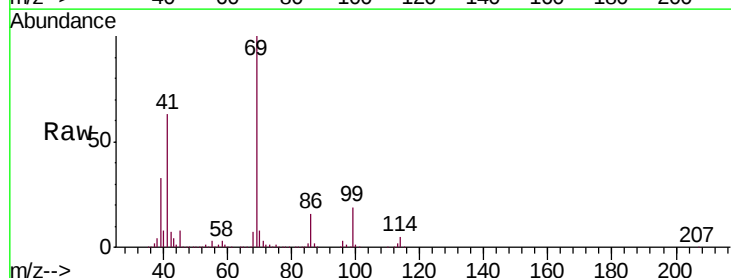
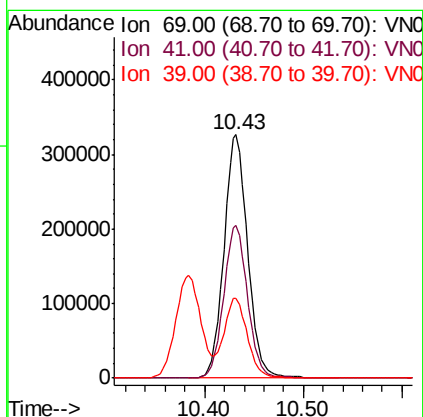
Manual Integrations
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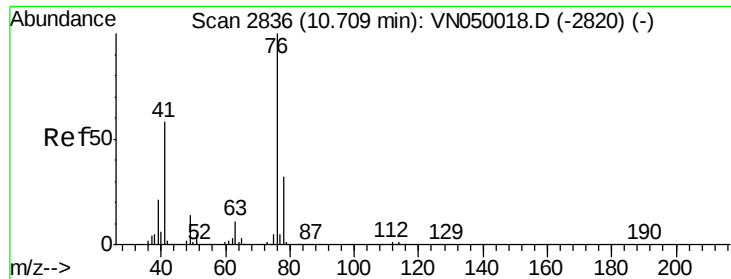
MMDadoda
 7/27/2018 12:17:10 PM



#56
 Ethyl methacrylate
 Concen: 45.91 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.0	76.4
39	32.1	26.6	40.0





#57

1,3-Dichloropropane

Concen: 48.27 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampled :

MW-7BSMSD

Tot Ion: 76 Resp: 698772

Ion Ratio Lower Upper

76 100

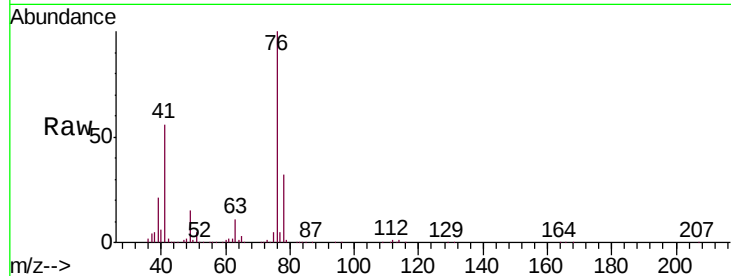
78 32.2 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-2820) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-2820) (-)

400000

300000

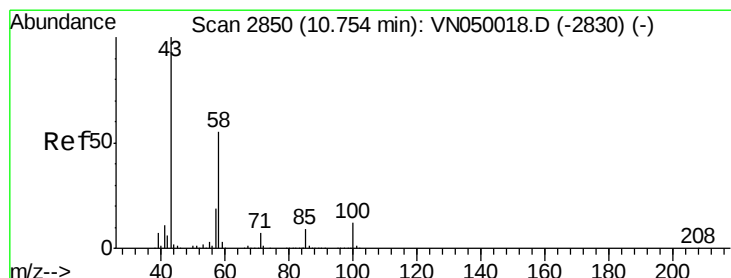
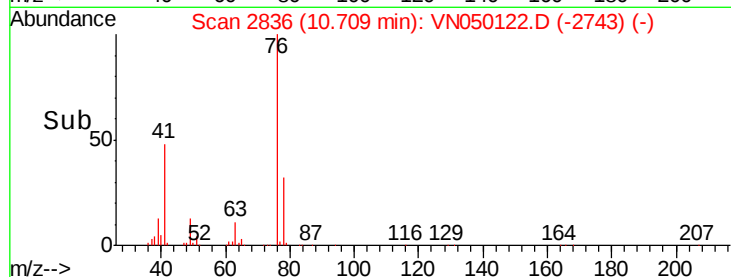
200000

100000

0

10.60 10.70 10.80

Time-->



#59

2-Hexanone

Concen: 215.55 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050122.D

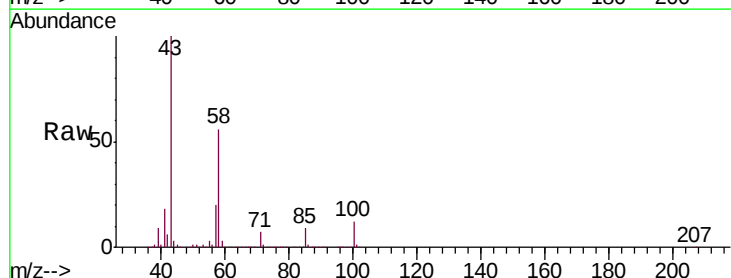
Acq: 27 Jul 2018 8:36

Tgt Ion: 43 Resp: 1349971

Ion Ratio Lower Upper

43 100

58 56.0 27.6 82.7



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2830) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-2830) (-)

800000

600000

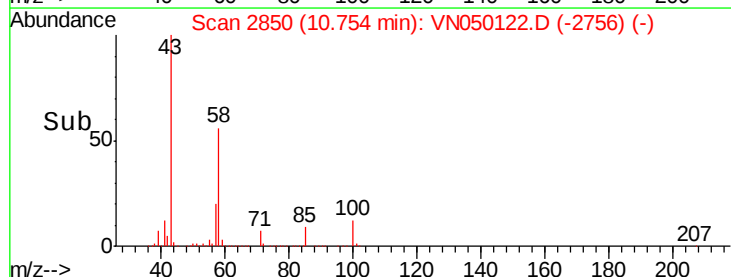
400000

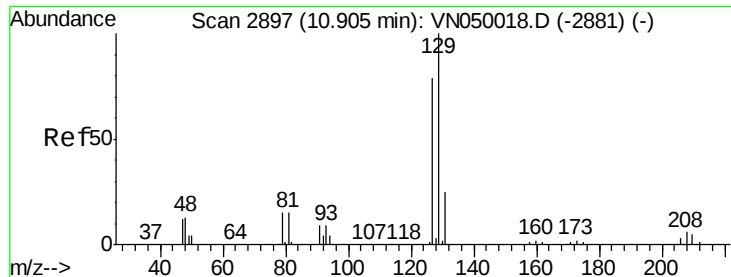
200000

0

10.70 10.75 10.80

Time-->





#60

Dibromochloromethane

Concen: 47.91 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion:129 Resp: 471594

Ion Ratio Lower Upper

129 100

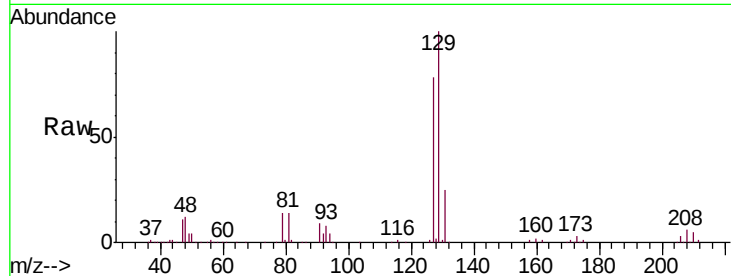
127 77.9 38.0 113.9

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

250000

200000

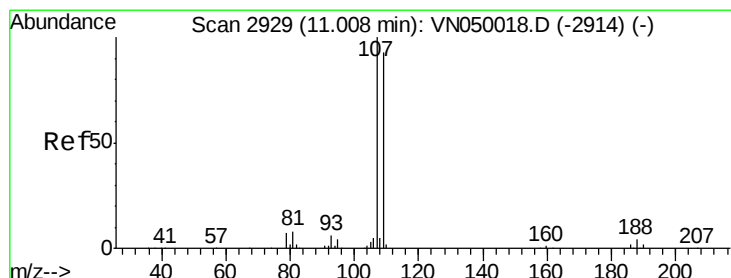
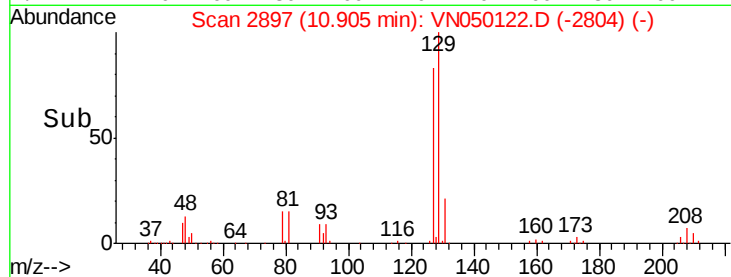
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 47.58 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050122.D

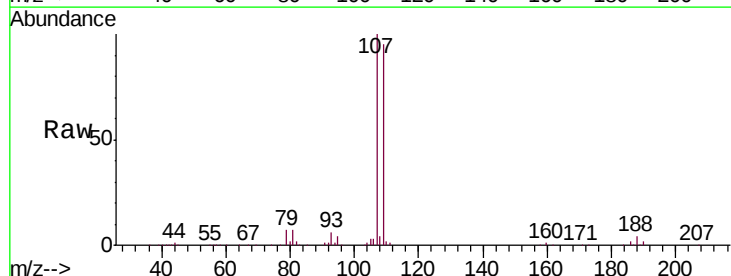
Acq: 27 Jul 2018 8:36

Tgt Ion:107 Resp: 419642

Ion Ratio Lower Upper

107 100

109 95.3 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

250000

200000

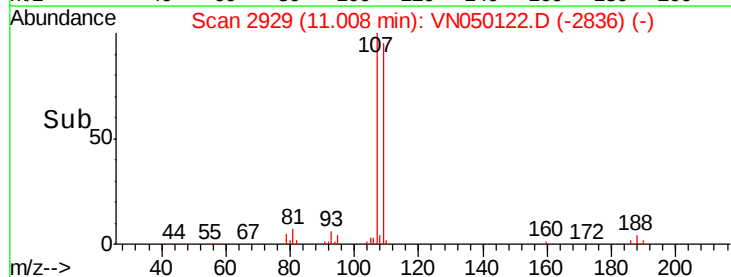
150000

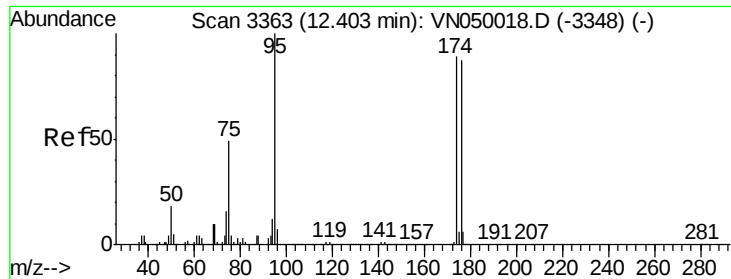
100000

50000

0

Time--> 10.90 11.00 11.10





#62

4-Bromofluorobenzene

Concen: 51.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

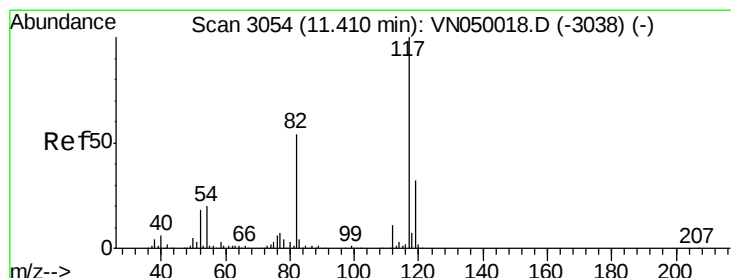
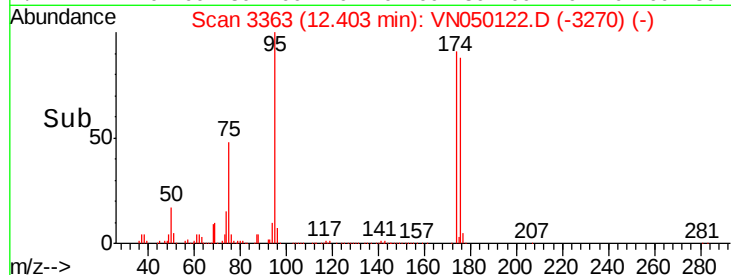
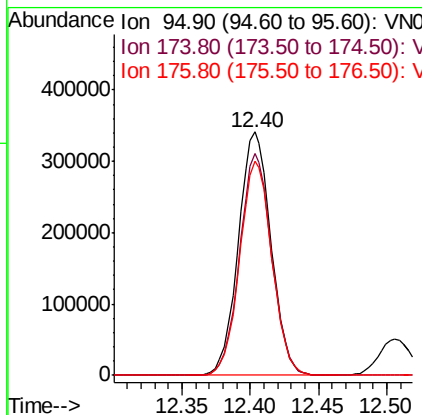
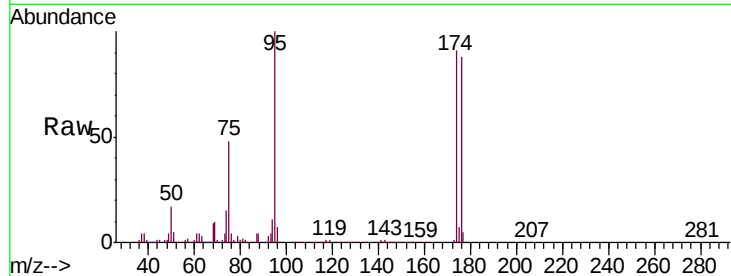
ClientSampleId :

MW-7BSMSD

Tot Ion:	95	Resp:	565961
Ion Ratio	Lower	Upper	
95	100		
174	89.2	0.0	178.2
176	86.7	0.0	173.4

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

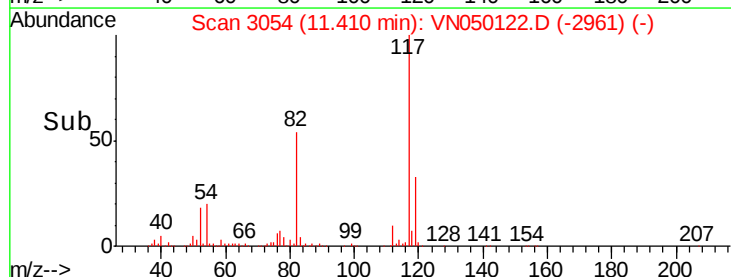
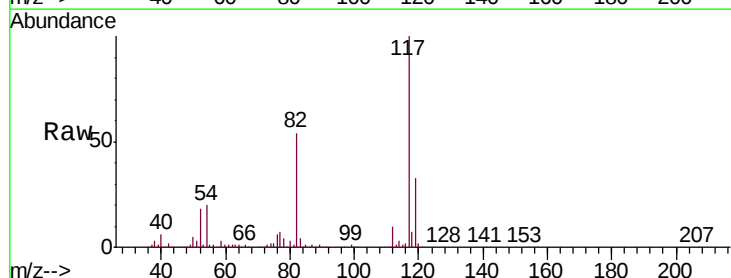
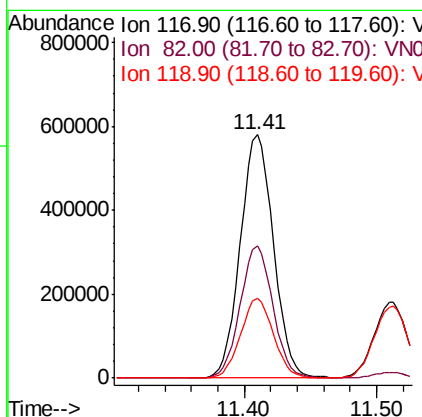
RT: 11.41 min Scan# 3054

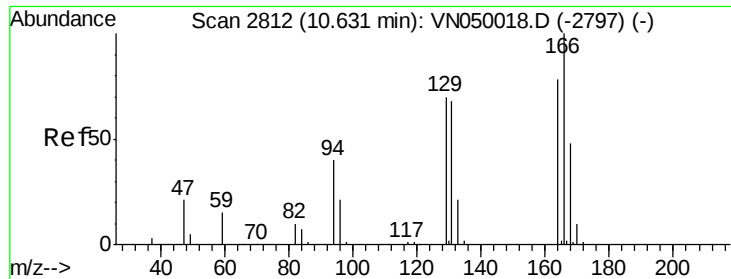
Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Tgt Ion:	117	Resp:	1009856
Ion Ratio	Lower	Upper	
117	100		
82	54.2	43.7	65.5
119	32.8	26.1	39.1





#64

Tetrachloroethene

Concen: 43.11 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion:164 Resp: 418537

Ion Ratio Lower Upper

164 100

166 128.7 102.1 153.1

129 89.3 73.2 109.8

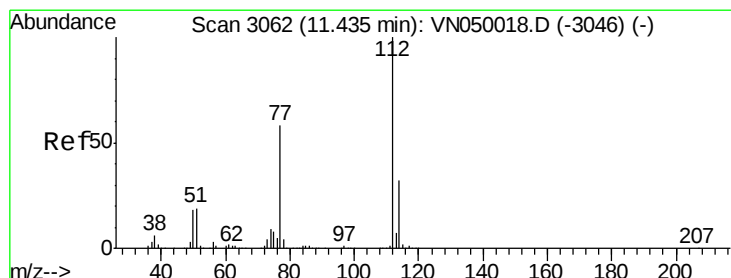
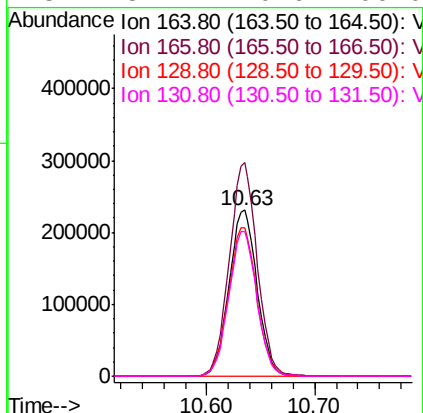
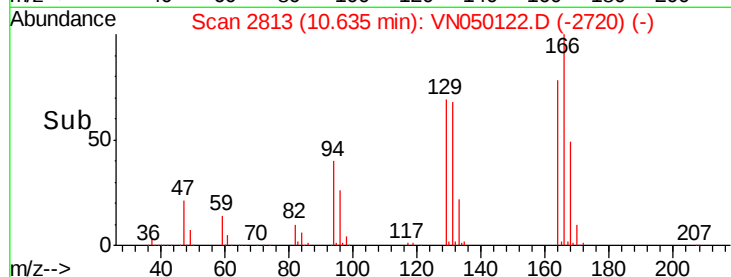
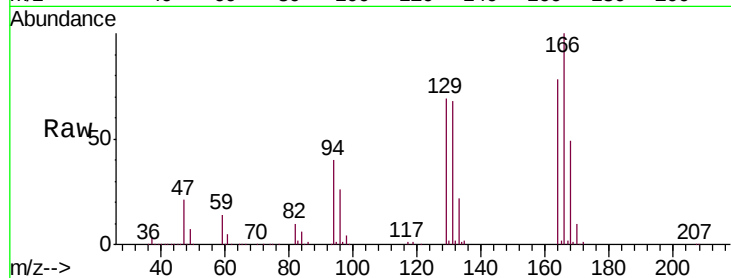
131 87.4 70.6 106.0

Manual Integrations

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#65

Chlorobenzene

Concen: 47.94 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050122.D

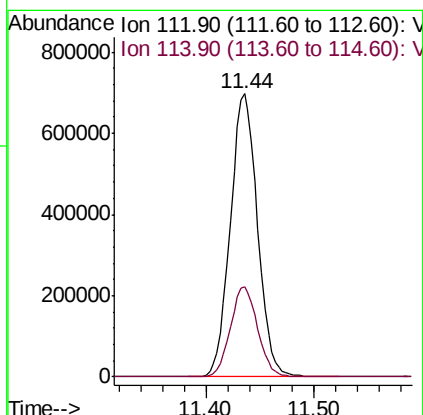
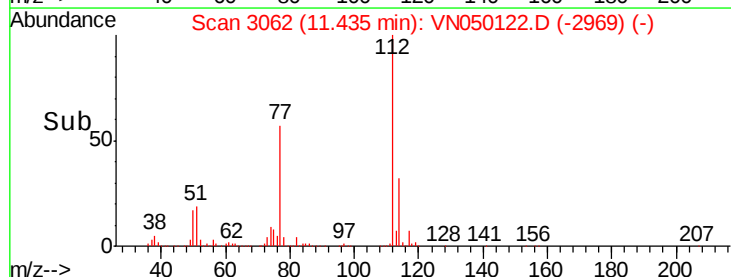
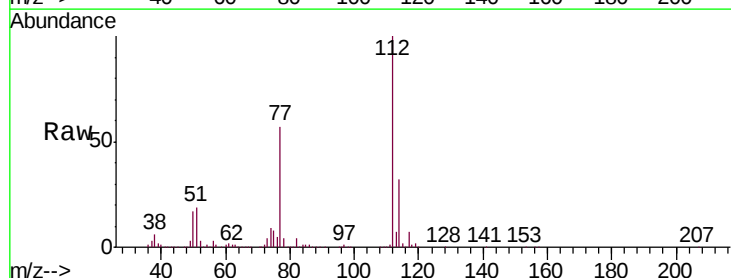
Acq: 27 Jul 2018 8:36

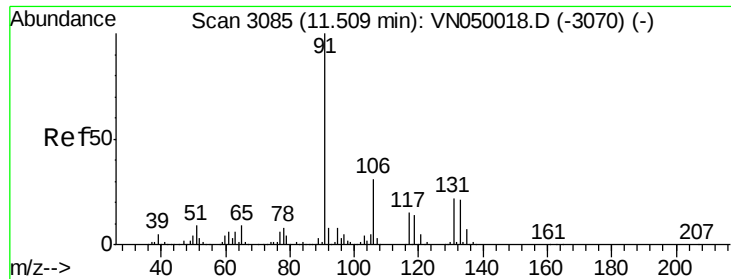
Tgt Ion:112 Resp: 1222963

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 47.14 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

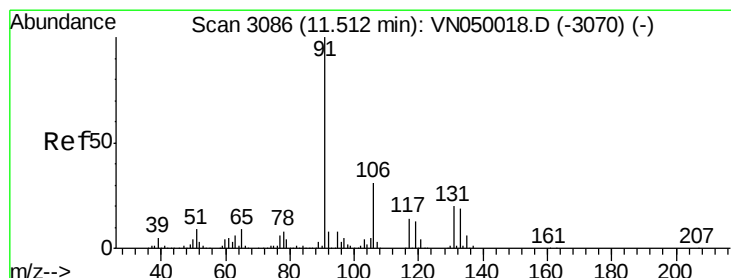
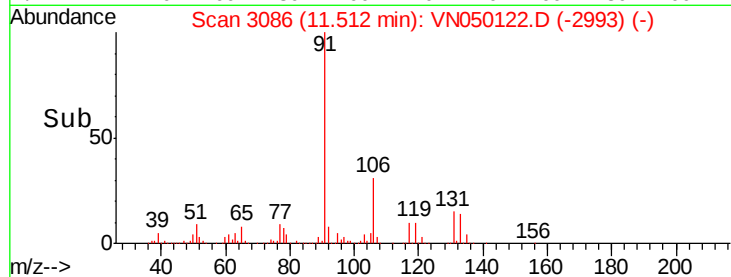
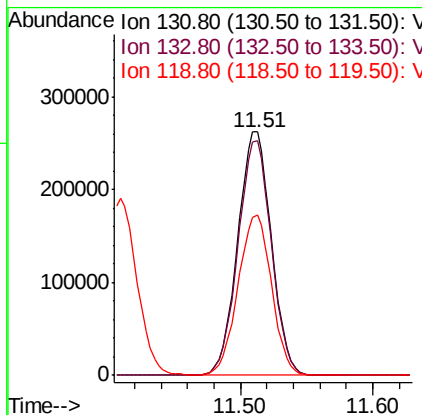
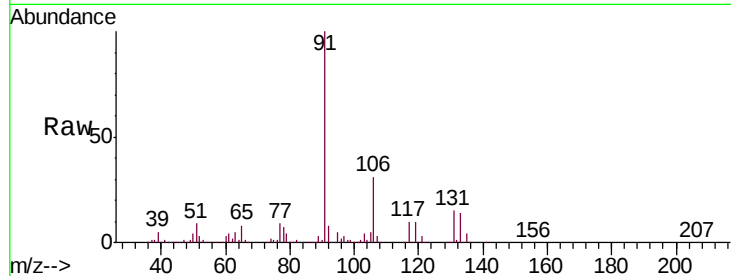
ClientSampleId :

MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	65.6	32.9	98.7

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#67

Ethyl Benzene

Concen: 72.68 ug/l

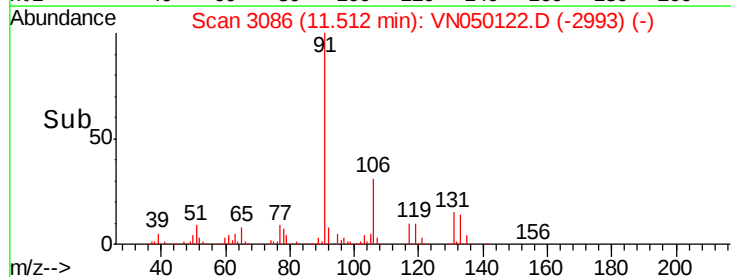
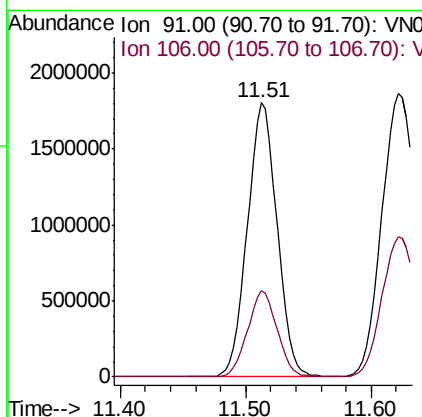
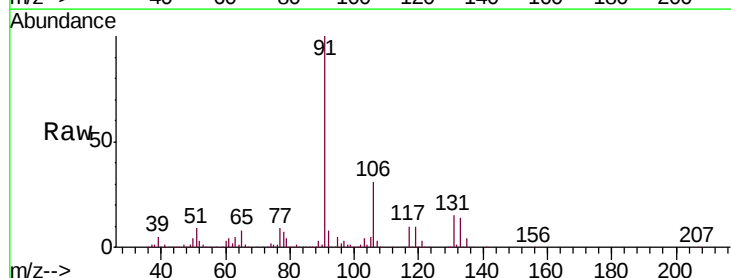
RT: 11.51 min Scan# 3086

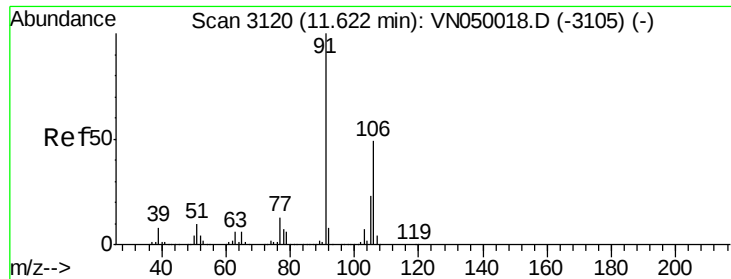
Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.4





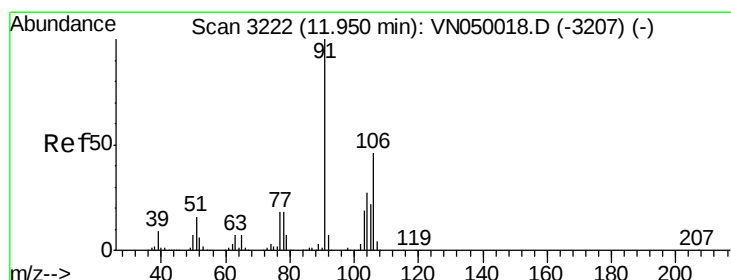
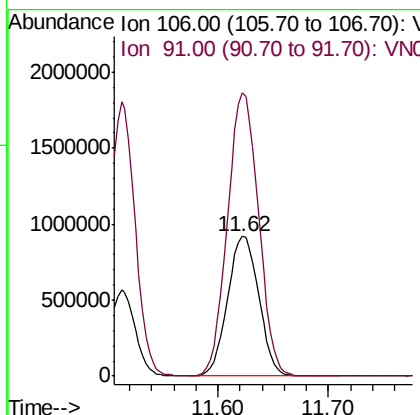
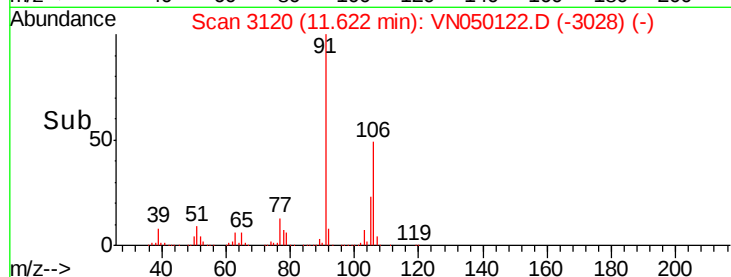
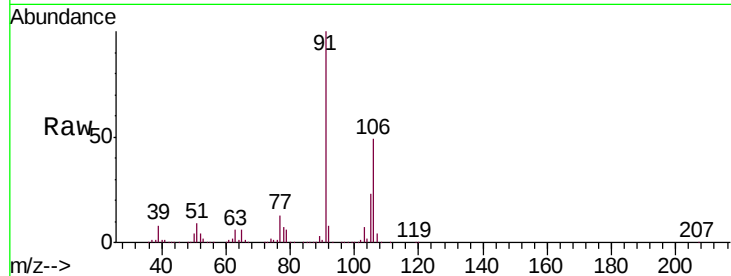
#68
m/p-Xylenes
Concen: 116.31 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMSD

Tot Ion:106 Resp: 1802661
Ion Ratio Lower Upper
106 100
91 202.1 162.2 243.2

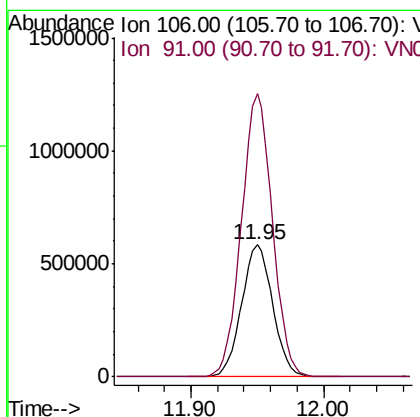
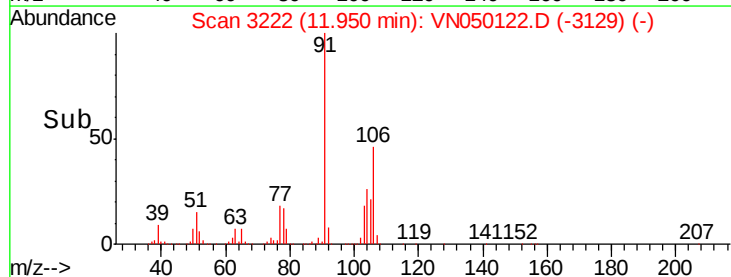
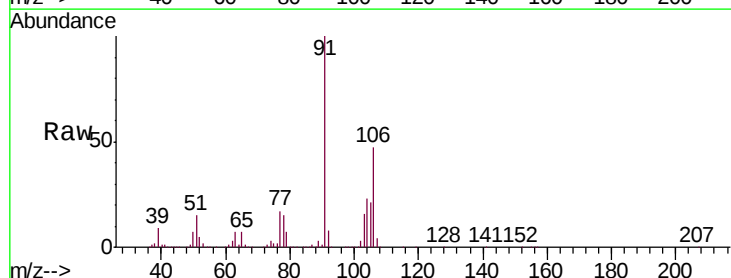
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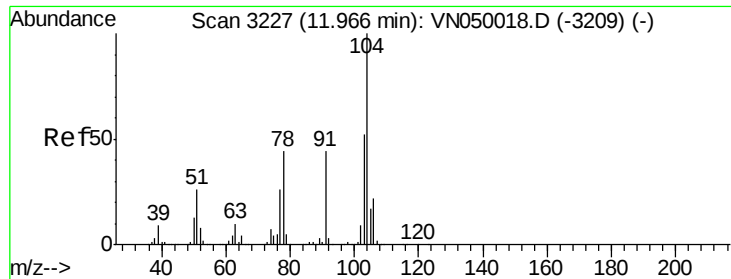
MMDadoda
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#69
o-Xylene
Concen: 64.30 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion:106 Resp: 950096
Ion Ratio Lower Upper
106 100
91 213.7 107.7 323.1





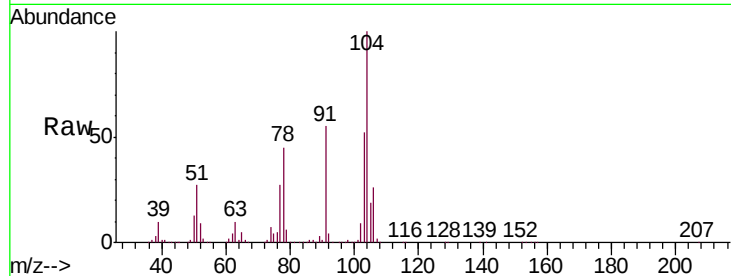
#70
Stvrene
Concen: 47.87 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMSD

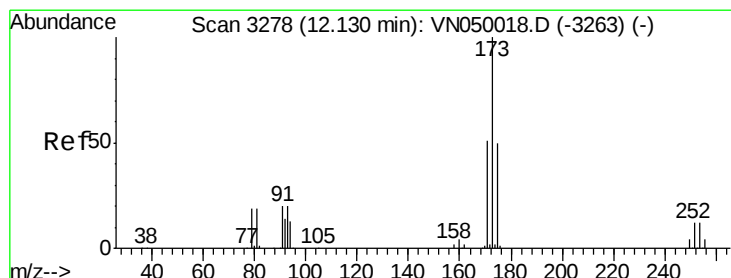
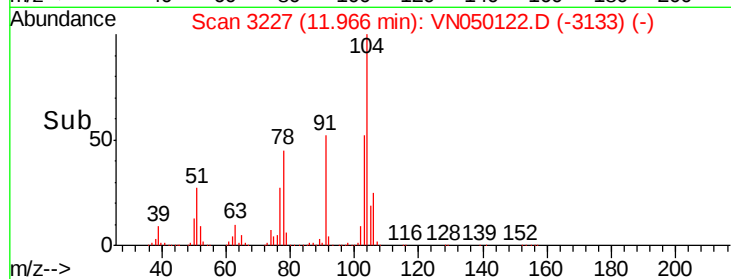
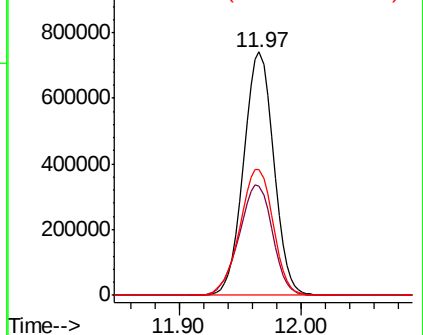
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.7	39.3	58.9
103	57.7	45.0	67.6

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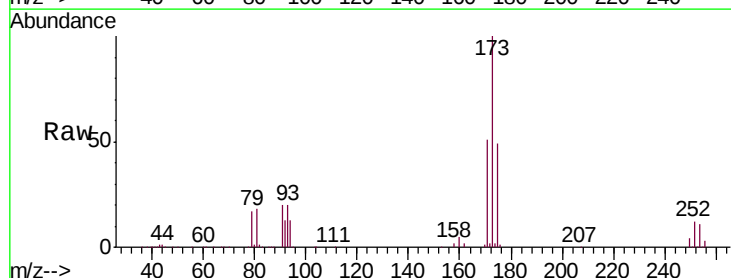


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

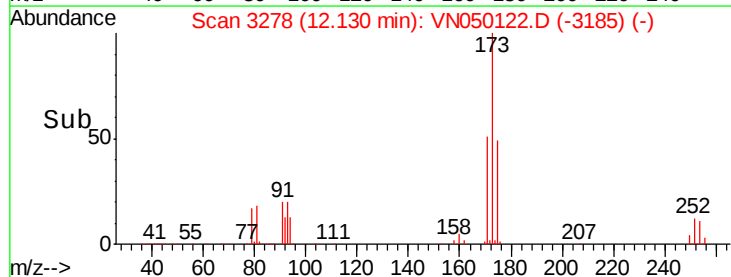
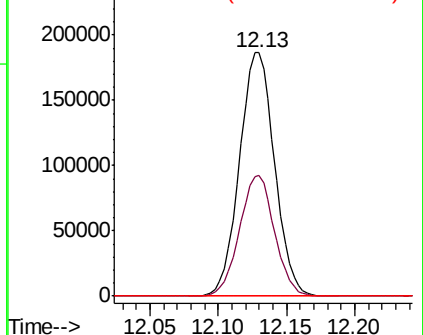


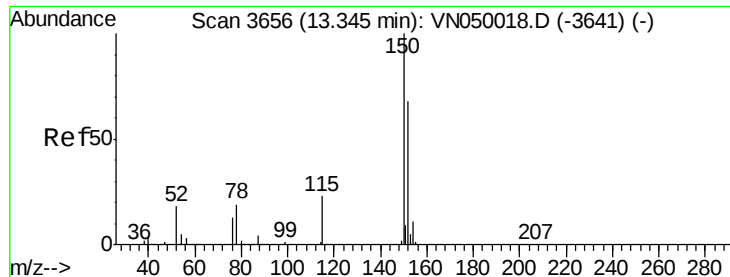
#71
Bromoform
Concen: 46.61 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.2
254	0.2	0.2	0.2



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: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion:152 Resp: 522535

Ion Ratio Lower Upper

152 100

115 57.1 27.8 83.3

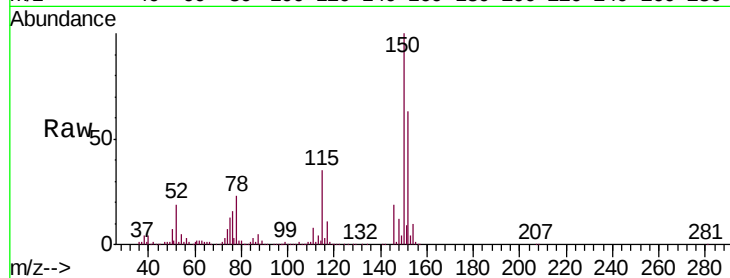
150 173.9 0.0 348.6

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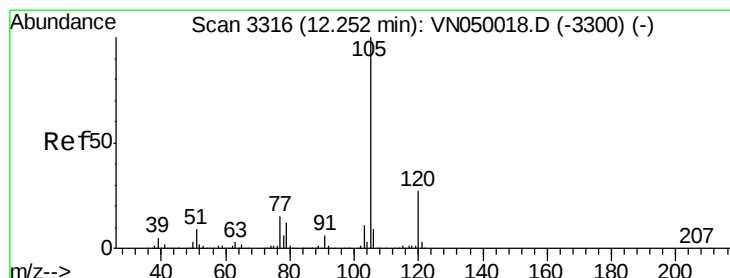
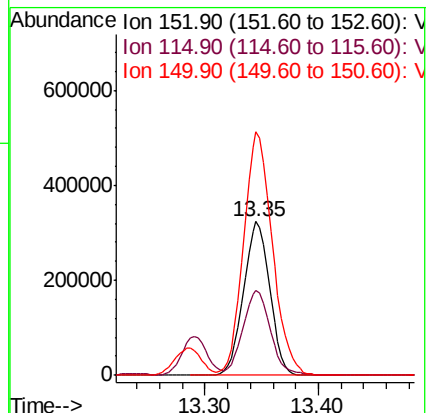
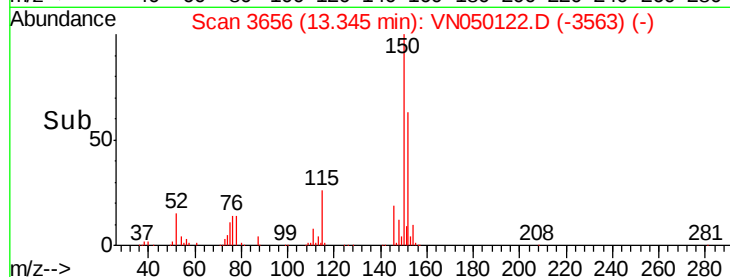
7/27/2018 12:17:10 PM



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: 56.50 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050122.D

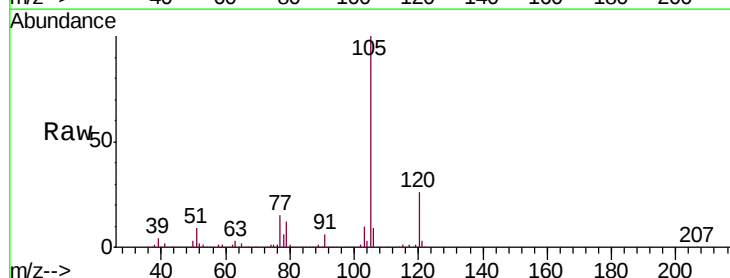
Acq: 27 Jul 2018 8:36

Tgt Ion:105 Resp: 2289789

Ion Ratio Lower Upper

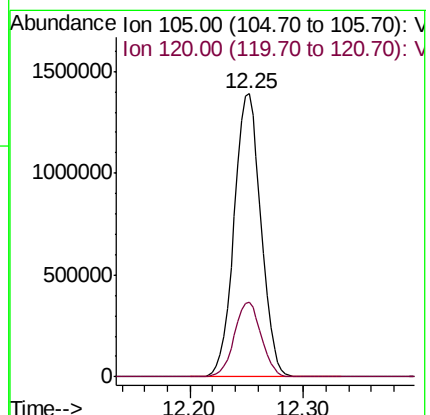
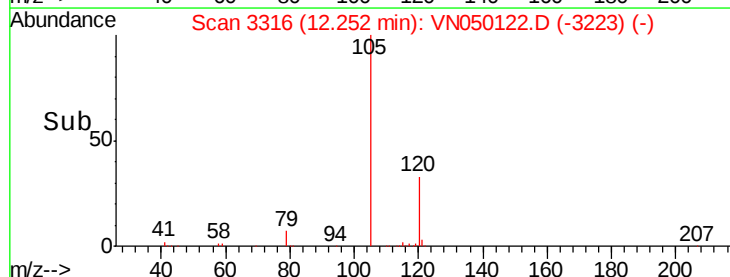
105 100

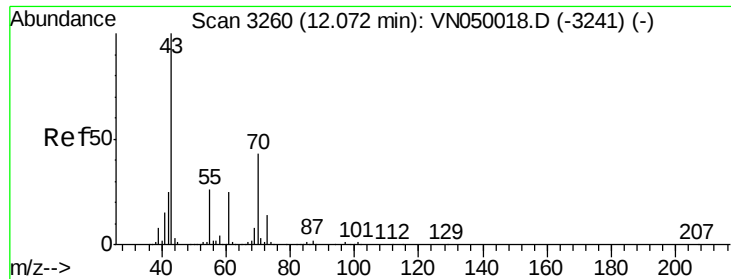
120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 38.06 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

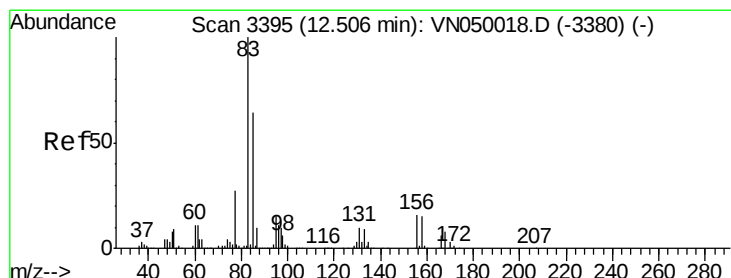
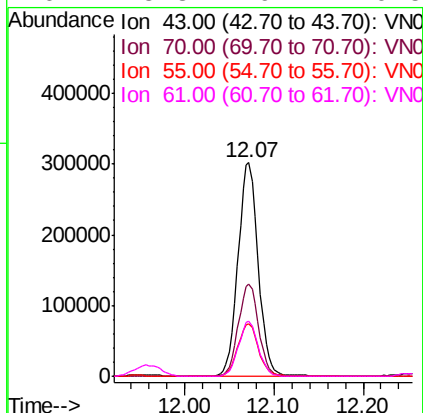
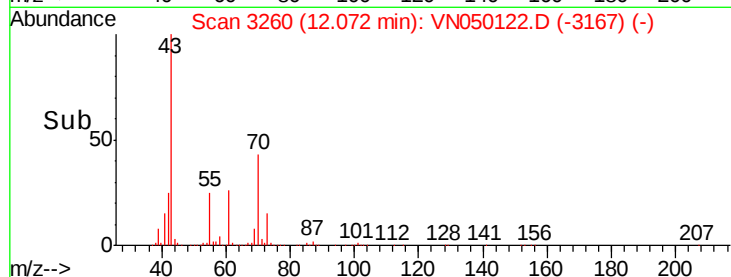
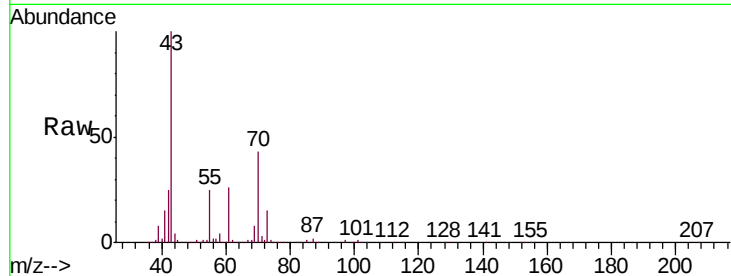
ClientSampleId :

MW-7BSMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		471452		
70	43.4	34.4	51.6		
55	25.0	20.8	31.2		
61	25.3	19.7	29.5		

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.44 ug/l

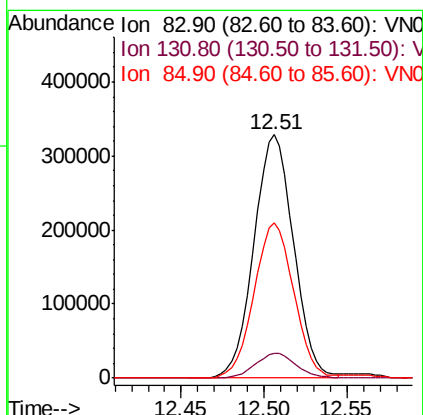
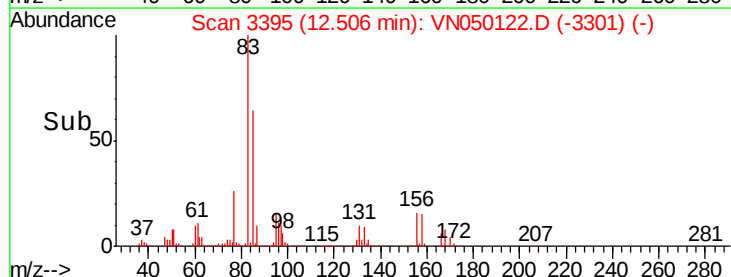
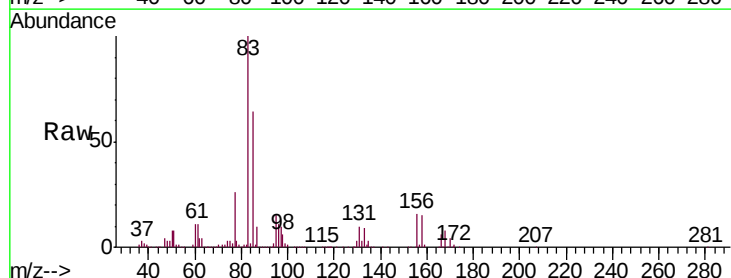
RT: 12.51 min Scan# 3395

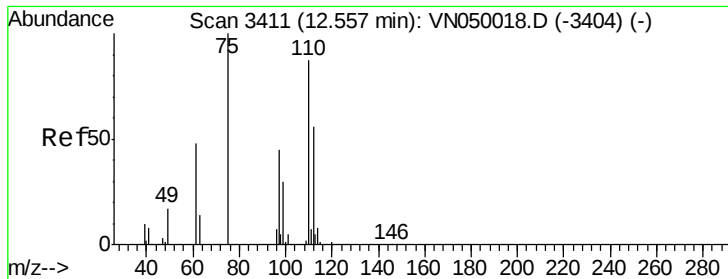
Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		545807		
131	10.5	5.1	15.3		
85	63.9	32.3	96.8		





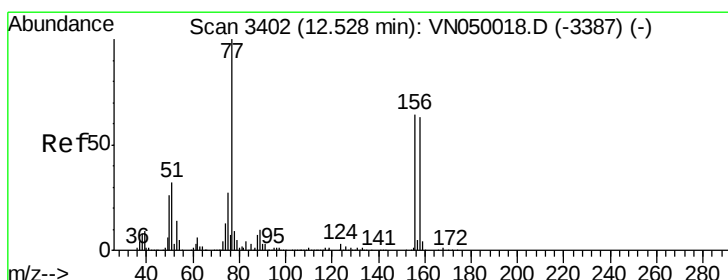
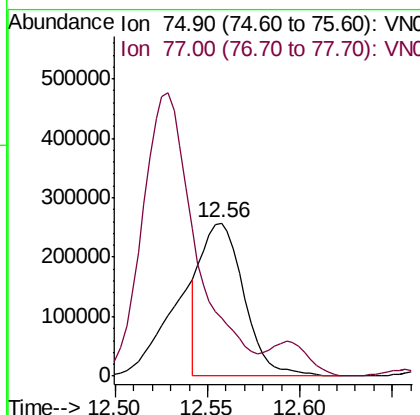
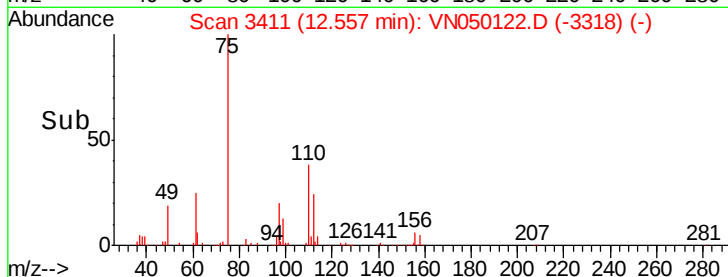
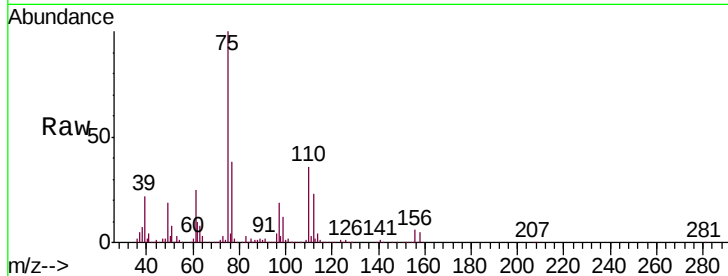
#76
1,2,3-Trichloropropane
Concen: 43.52 ug/l m
RT: 12.56 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampleId :
MW-7BSMSD

Tot Ion: 75 Resp: 422642
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

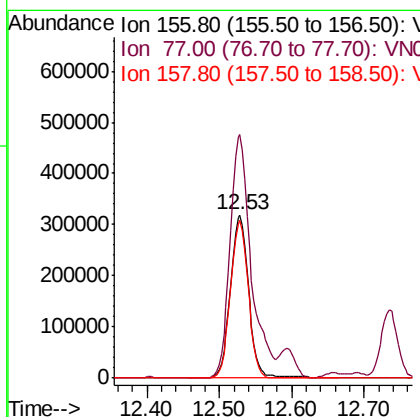
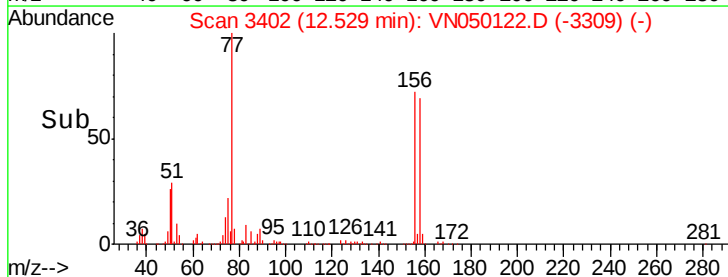
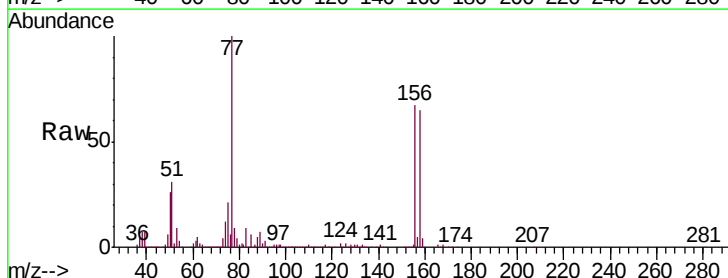
Manual Integrations
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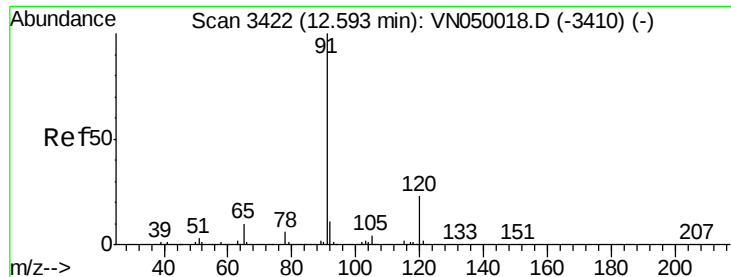
MMDadoda
7/27/2018 12:17:10 PM



#77
Bromobenzene
Concen: 50.19 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion: 156 Resp: 563760
Ion Ratio Lower Upper
156 100
77 170.7 91.7 275.1
158 93.4 48.9 146.6





#78

n-propylbenzene

Concen: 52.54 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion: 91 Resp: 2379832

Ion Ratio Lower Upper

91 100

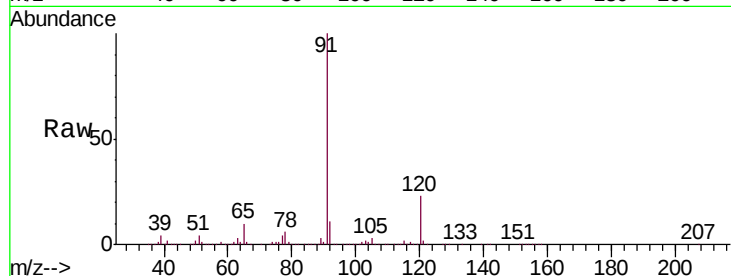
120 23.4 11.6 34.7

Manual Integrations

APPROVED

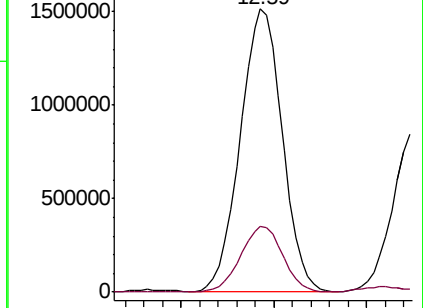
MMDadoda

7/27/2018 12:17:10 PM

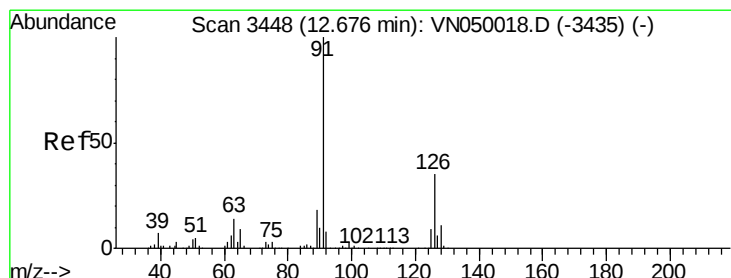
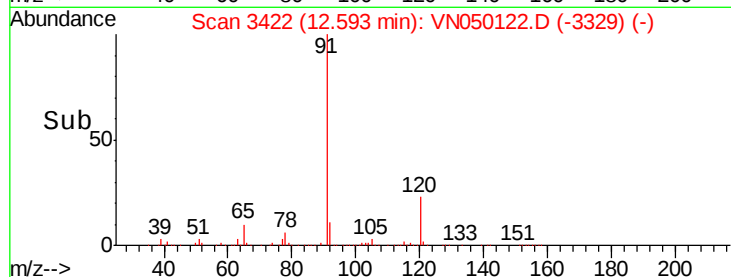


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 51.55 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050122.D

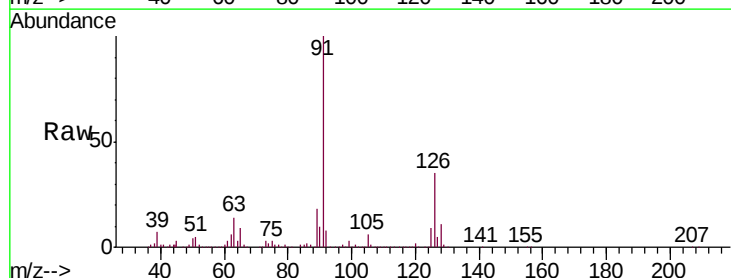
Acq: 27 Jul 2018 8:36

Tgt Ion: 91 Resp: 1447157

Ion Ratio Lower Upper

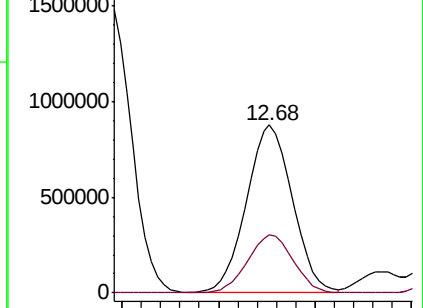
91 100

126 34.4 17.6 52.8

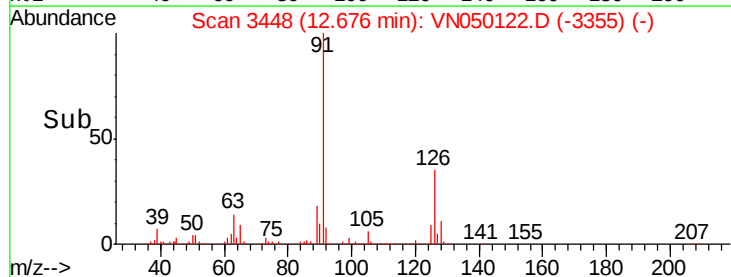


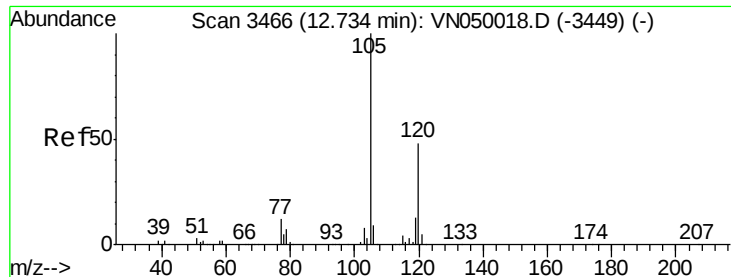
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time-->





#80

1,3,5-Trimethylbenzene

Concen: 53.89 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion:105 Resp: 1717870

Ion Ratio Lower Upper

105 100

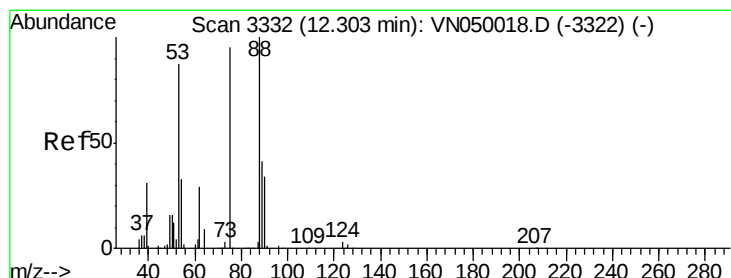
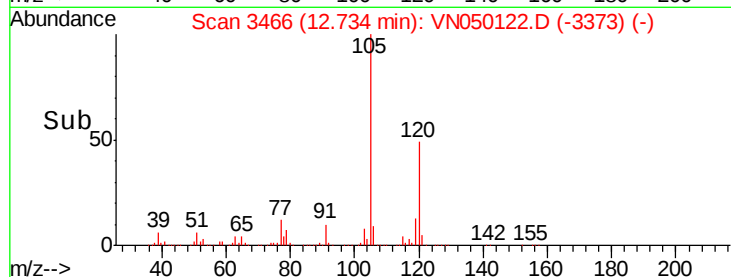
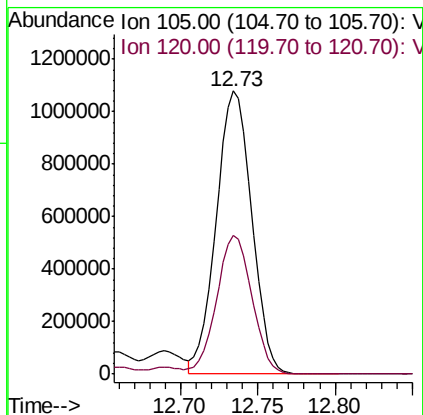
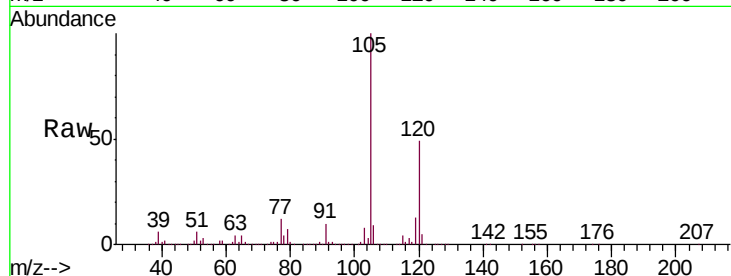
120 48.9 24.4 73.2

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 32.52 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

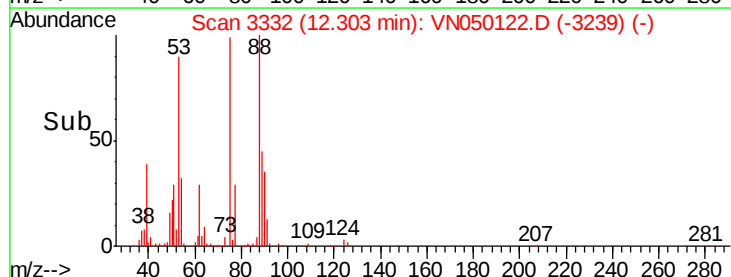
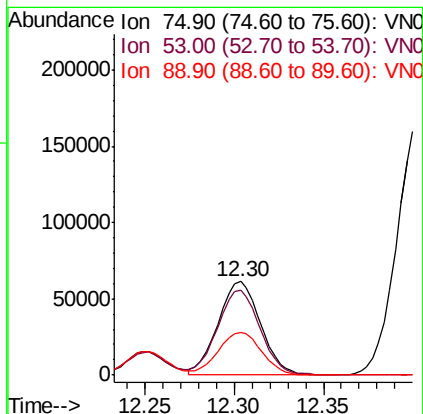
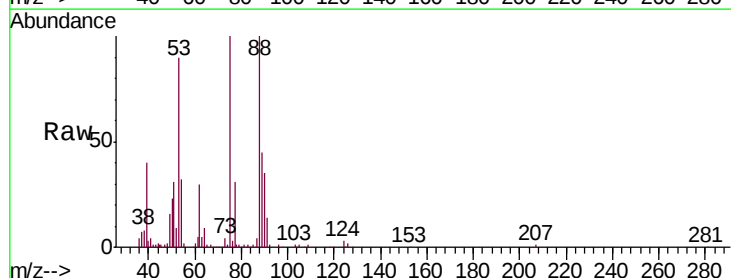
Tgt Ion: 75 Resp: 99553

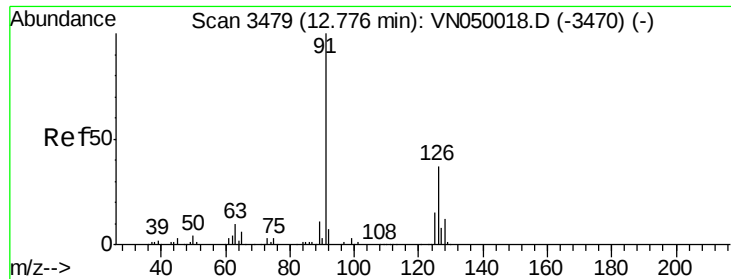
Ion Ratio Lower Upper

75 100

53 92.9 73.5 110.3

89 48.2 36.0 54.0





#82

4-Chlorotoluene

Concen: 50.88 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion: 91 Resp: 1414628

Ion Ratio Lower Upper

91 100

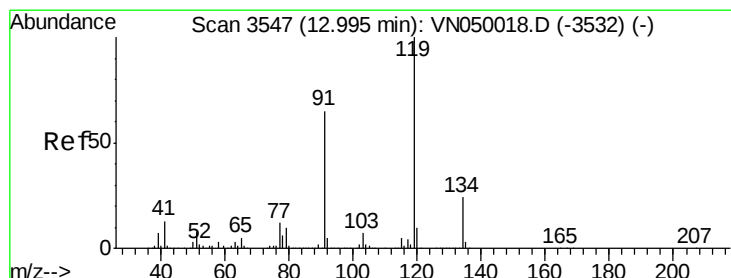
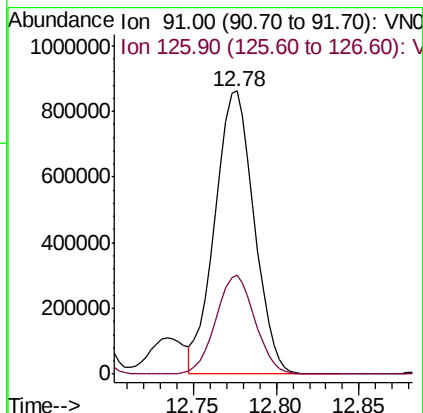
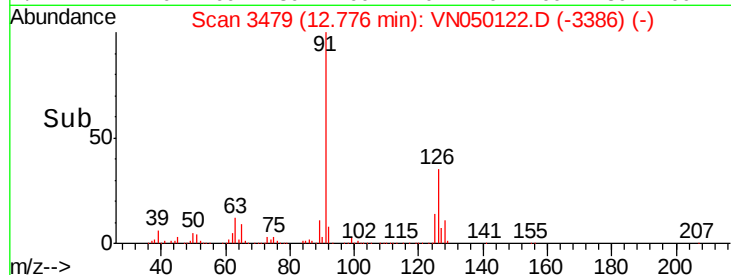
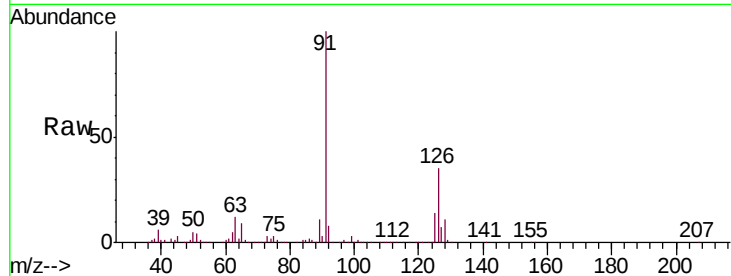
126 34.7 17.0 51.0

Manual Integrations

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#83

tert-Butylbenzene

Concen: 53.66 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

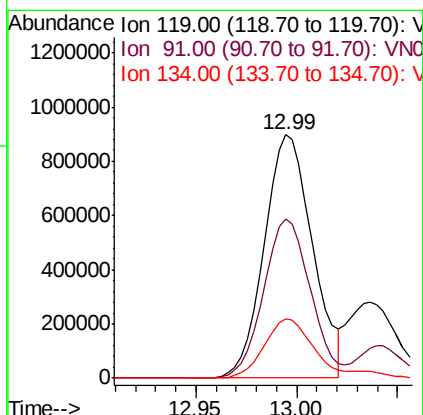
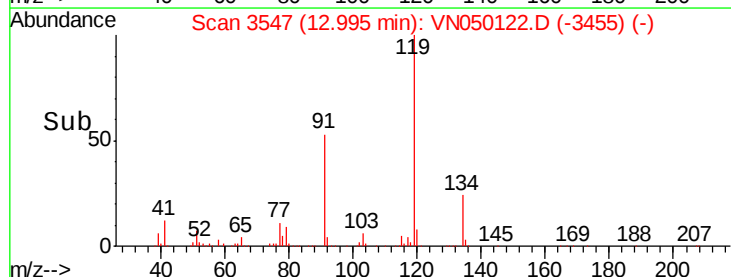
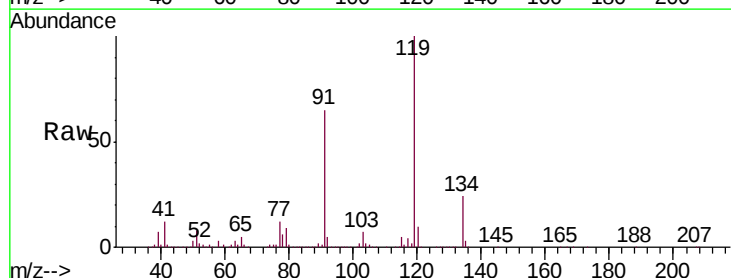
Tgt Ion: 119 Resp: 1492615

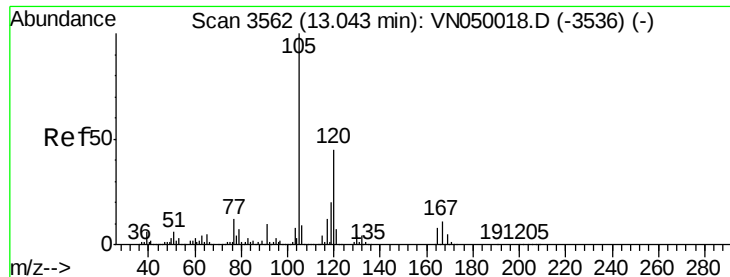
Ion Ratio Lower Upper

119 100

91 63.5 32.1 96.3

134 26.4 13.2 39.5





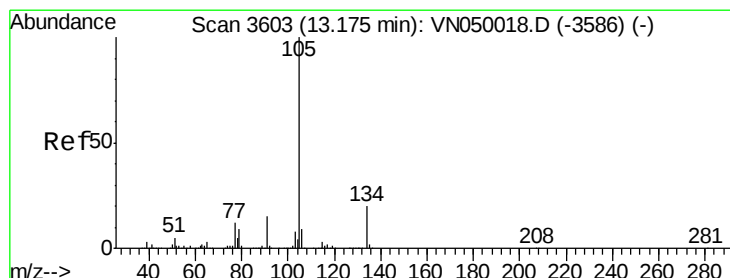
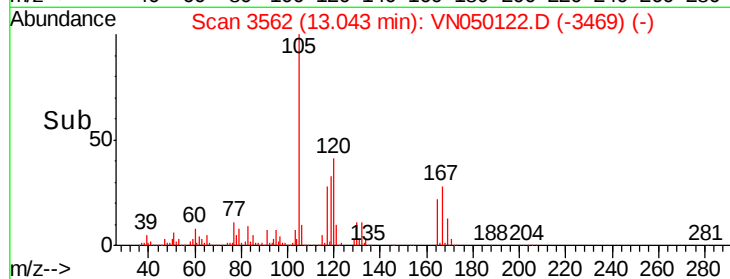
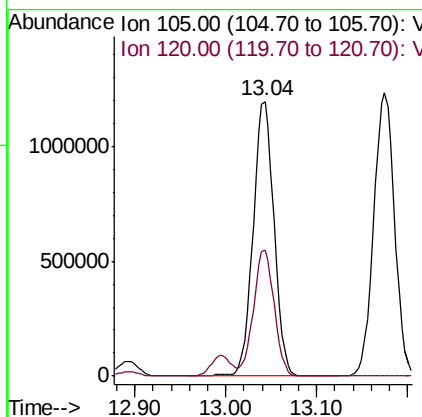
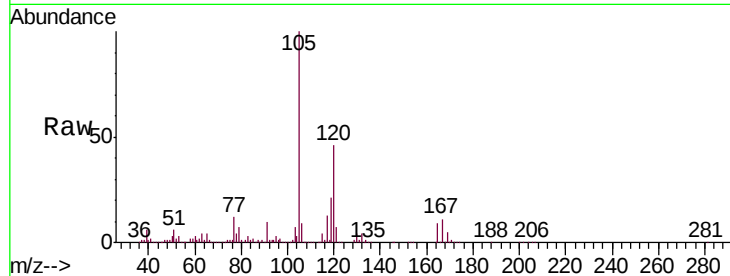
#84
 1,2,4-Trimethylbenzene
 Concen: 59.06 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMSD

Tot Ion:105 Resp: 1897658
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.7

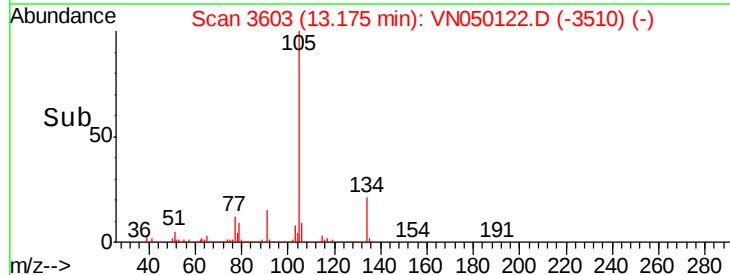
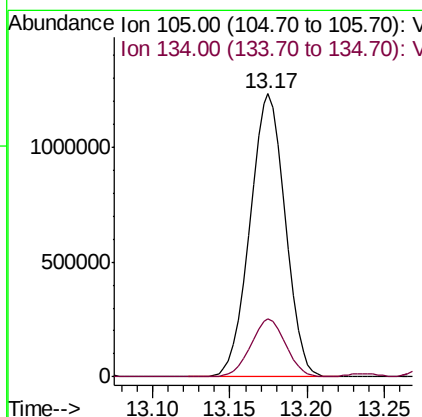
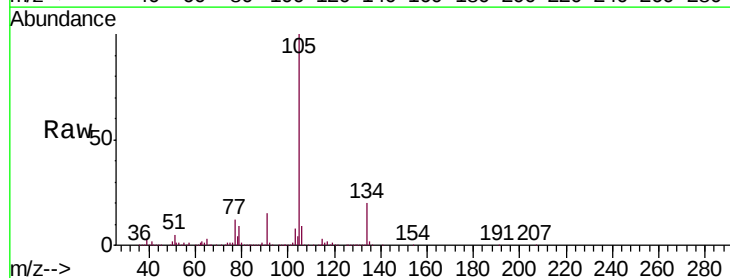
Manual Integrations
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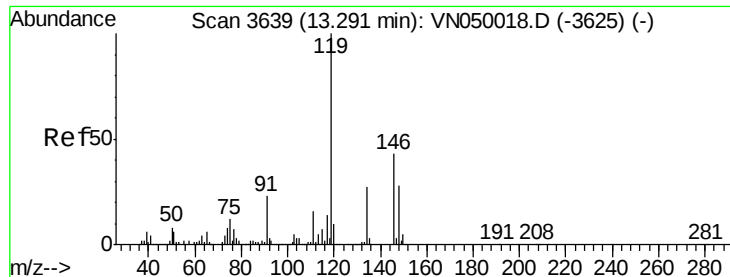
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 52.51 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Tgt Ion:105 Resp: 1951637
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.1





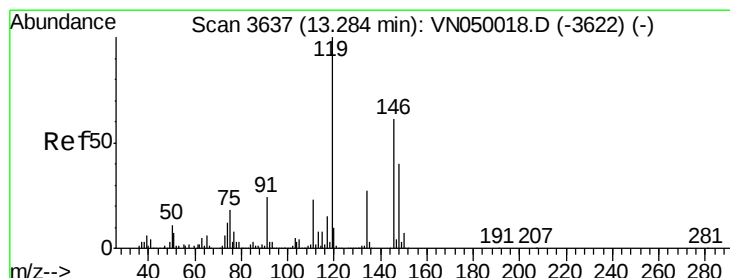
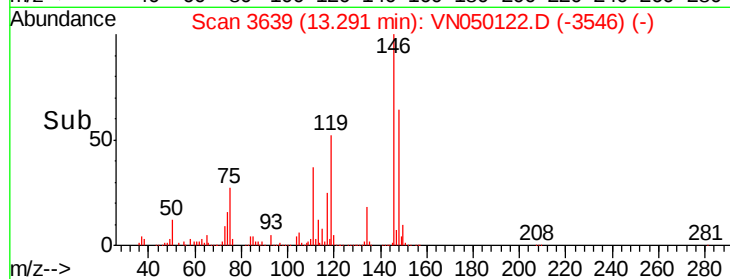
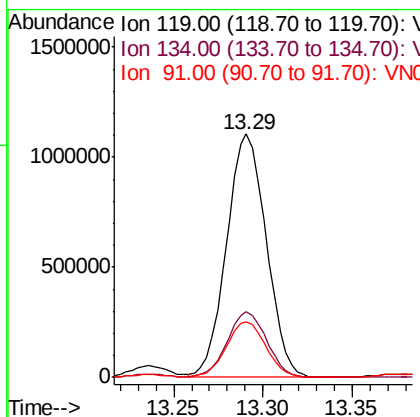
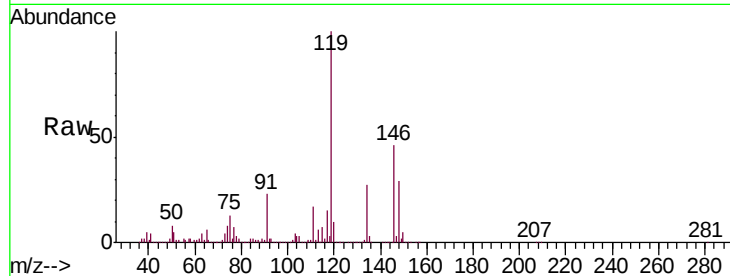
#86
p-Isopropyltoluene
Concen: 54.40 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. 0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Instrument :
MSVOA_N
ClientSampled :
MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.8
91	22.7	11.4	34.2

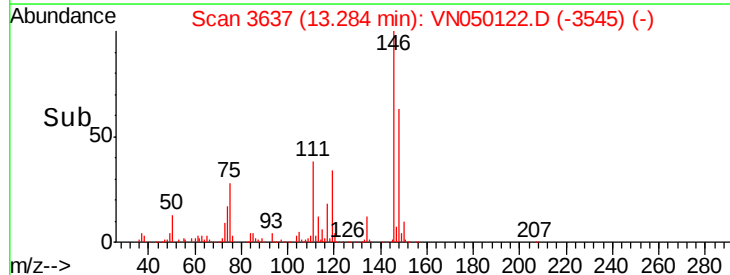
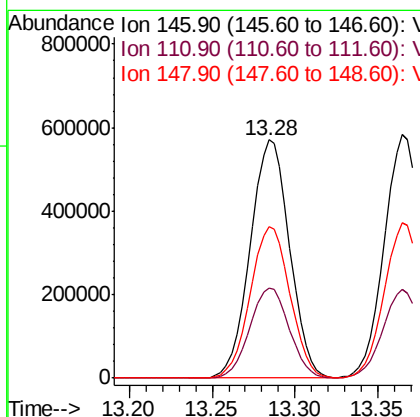
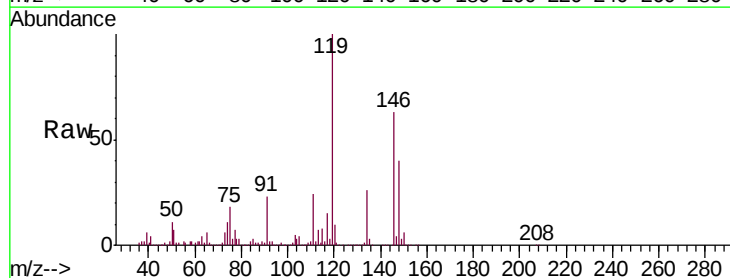
Manual Integrations
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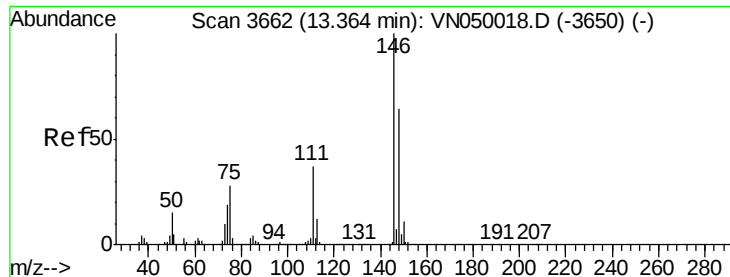
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#87
1,3-Dichlorobenzene
Concen: 49.34 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN050122.D
Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	64.2	31.9	95.9





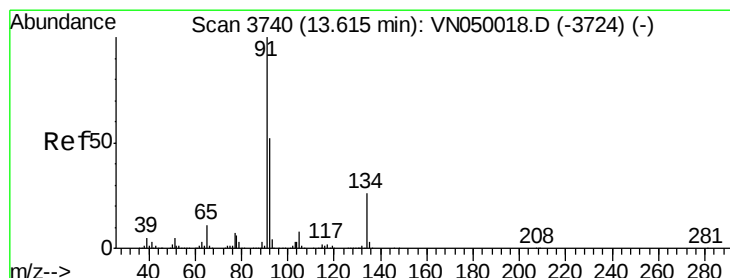
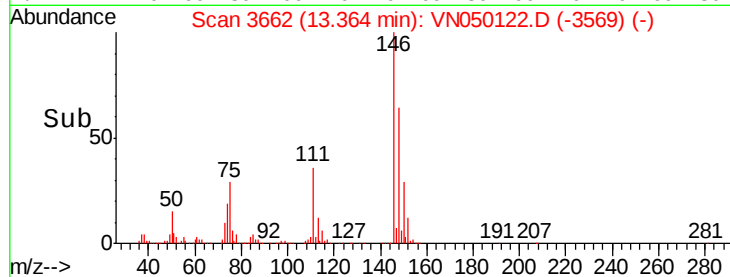
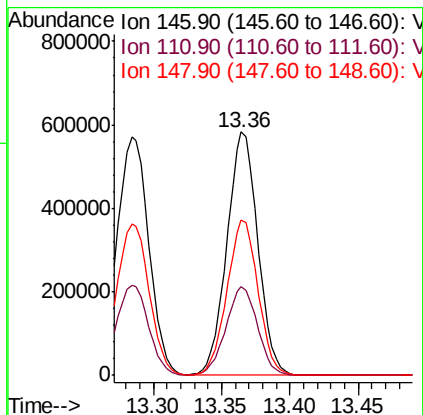
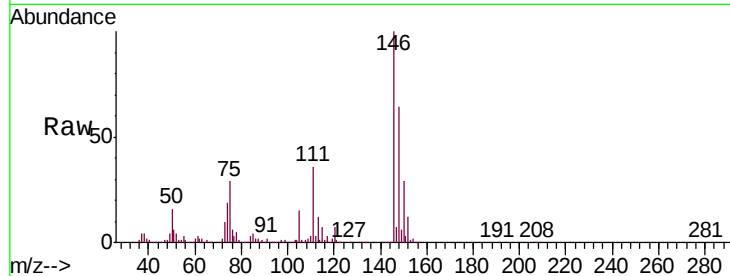
#88
 1,4-Dichlorobenzene
 Concen: 49.42 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.9
148	64.2	31.9	95.9

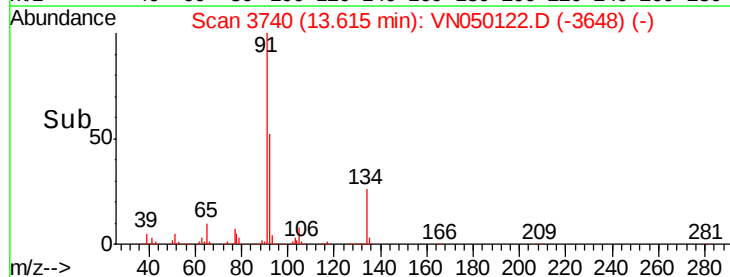
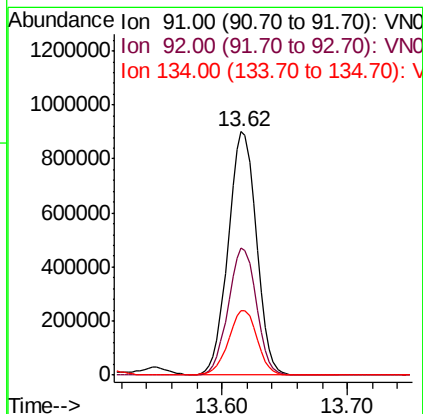
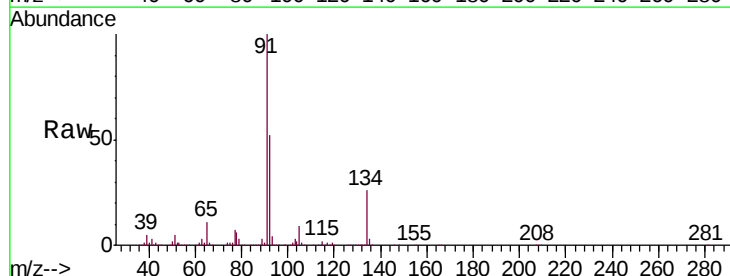
Manual Integrations
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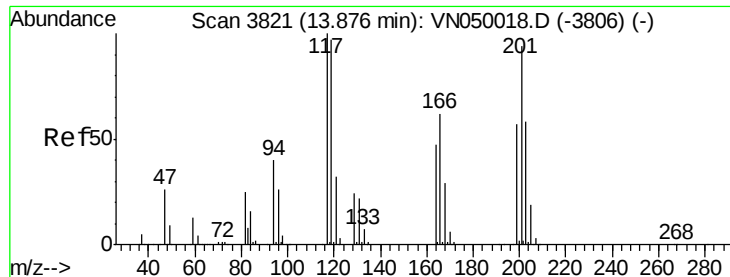
MMDadoda
 7/27/2018 12:17:10 PM



#89
 n-Butylbenzene
 Concen: 54.40 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.8	77.4
134	27.2	12.8	38.4





#90

Hexachloroethane

Concen: 41.35 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

ClientSampleId :

MW-7BSMSD

Tot Ion:117 Resp: 287555

Ion Ratio Lower Upper

117 100

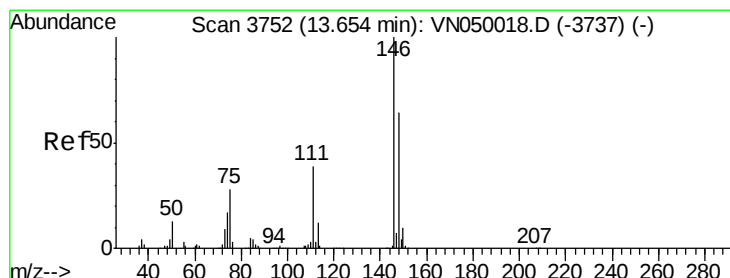
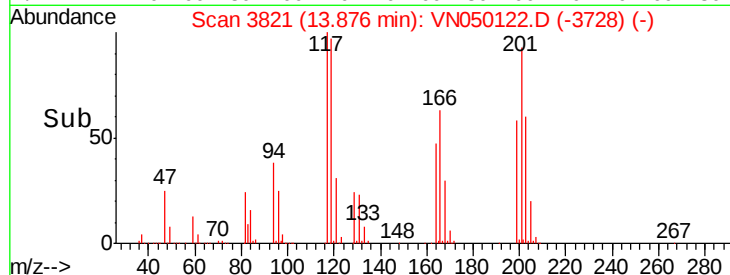
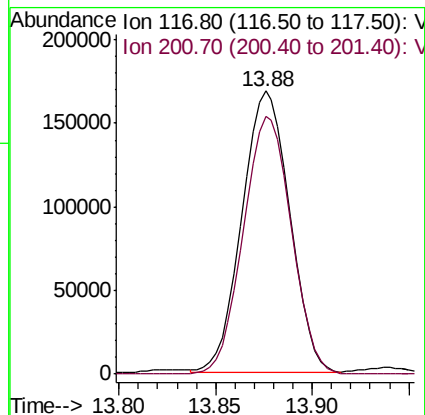
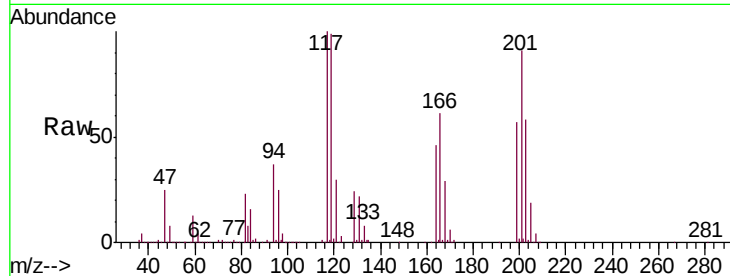
201 92.5 45.6 136.8

Manual Integrations

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#91

1,2-Dichlorobenzene

Concen: 49.28 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

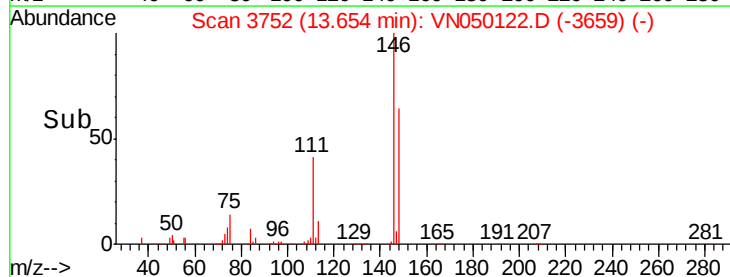
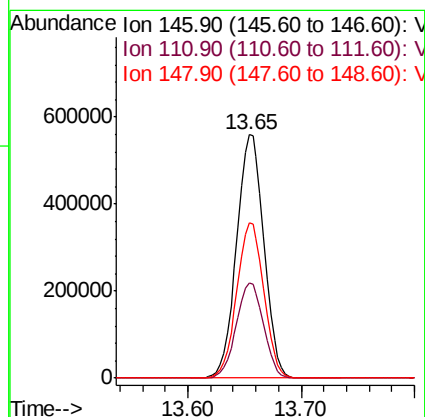
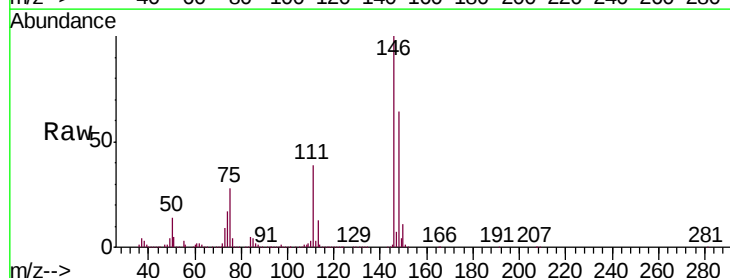
Tgt Ion:146 Resp: 937890

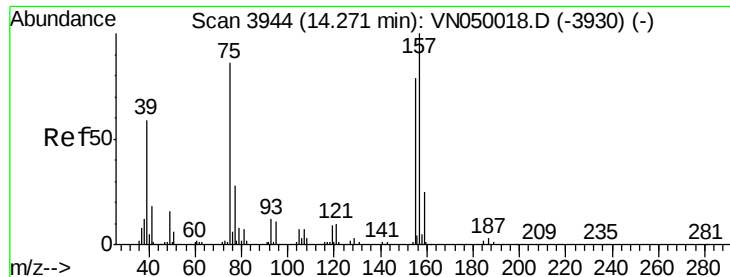
Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.7

148 63.6 32.1 96.3





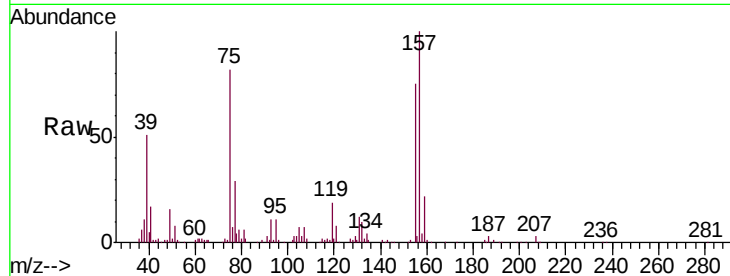
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.82 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.3	44.8	134.4
157	122.7	57.2	171.6

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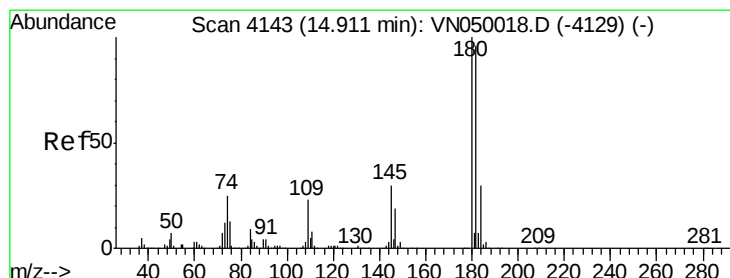
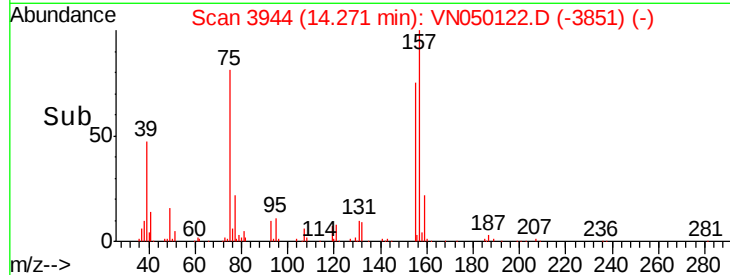
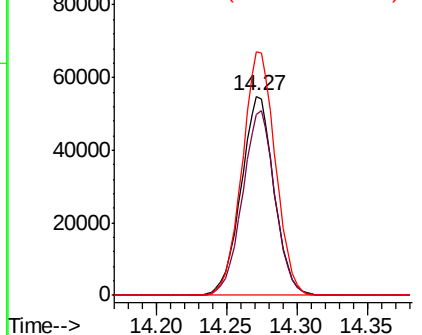
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Abundance Ion 74.90 (74.60 to 75.60): VN050122.D (-3851) (-)

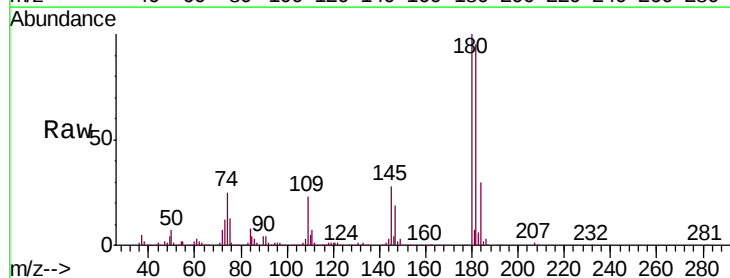
Ion 154.80 (154.50 to 155.50): VN050122.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN050122.D (-3851) (-)



#93
 1,2,4-Trichlorobenzene
 Concen: 51.38 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

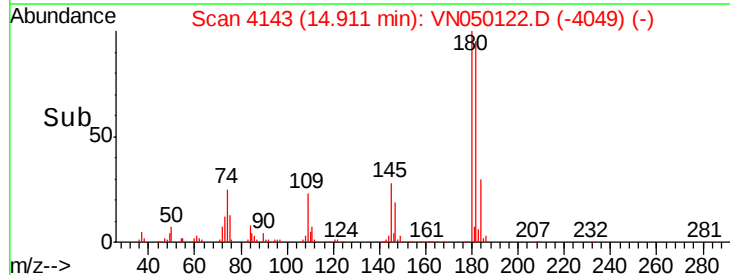
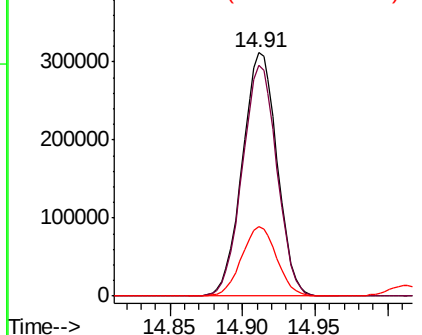
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.7	140.1
145	28.6	13.8	41.4

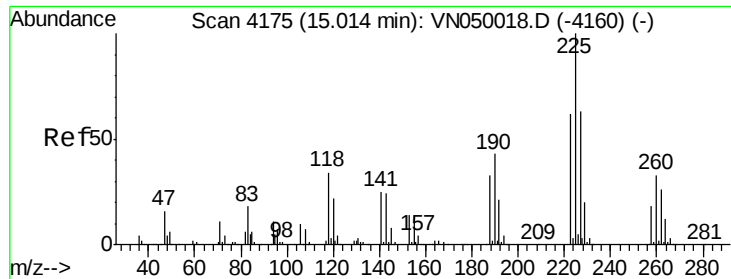


Abundance Ion 179.80 (179.50 to 180.50): VN050122.D (-4049) (-)

Ion 181.80 (181.50 to 182.50): VN050122.D (-4049) (-)

Ion 144.80 (144.50 to 145.50): VN050122.D (-4049) (-)





#94

Hexachlorobutadiene

Concen: 47.62 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050122.D

Acq: 27 Jul 2018 8:36

Instrument :

MSVOA_N

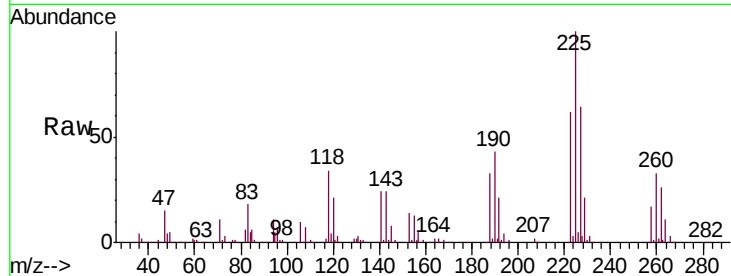
ClientSampleId :

MW-7BSMSD

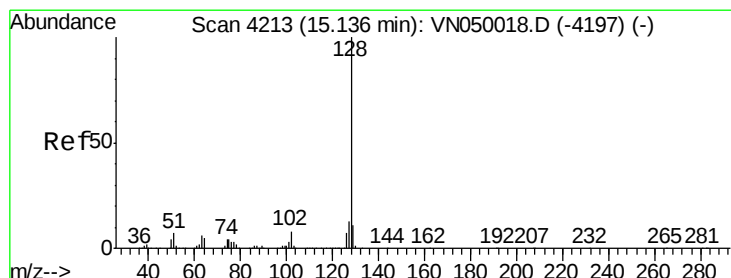
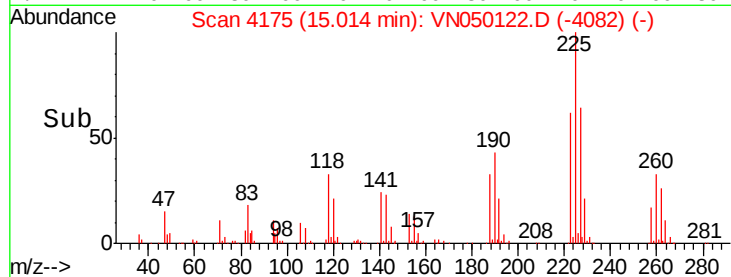
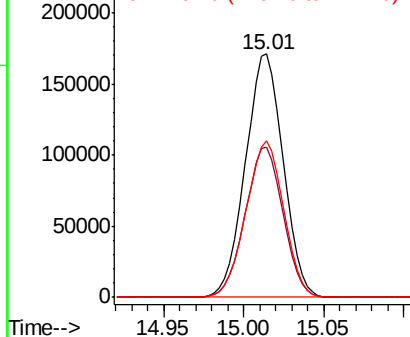
Tot Ion:	225	Resp:	277496
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.4	94.2
227	64.1	32.1	96.5

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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: 110.42 ug/l

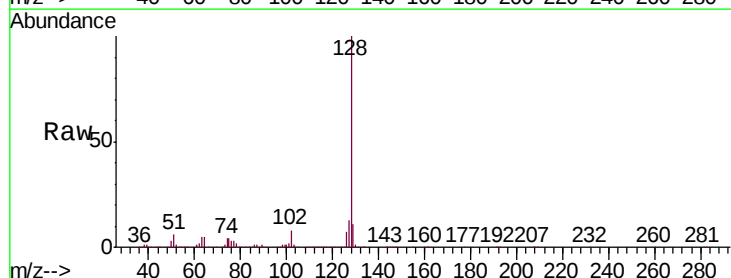
RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

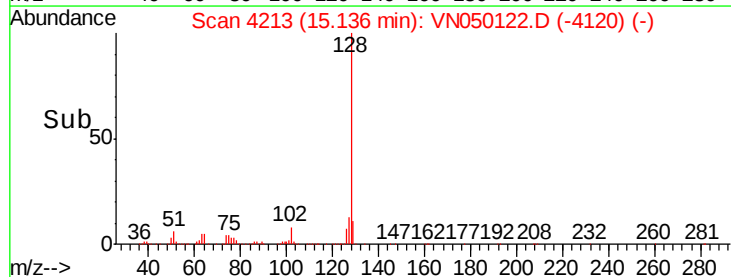
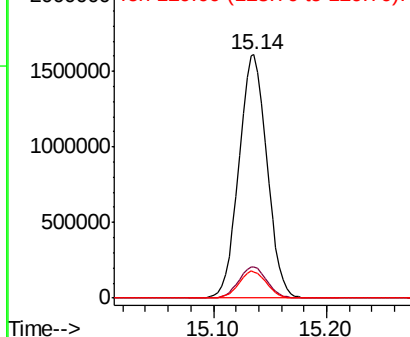
Lab File: VN050122.D

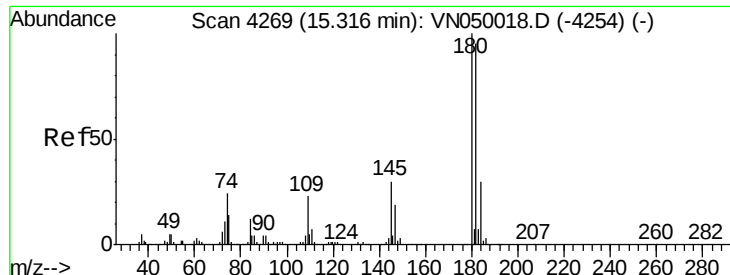
Acq: 27 Jul 2018 8:36

Tgt Ion:	128	Resp:	2774757
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.8	13.2



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





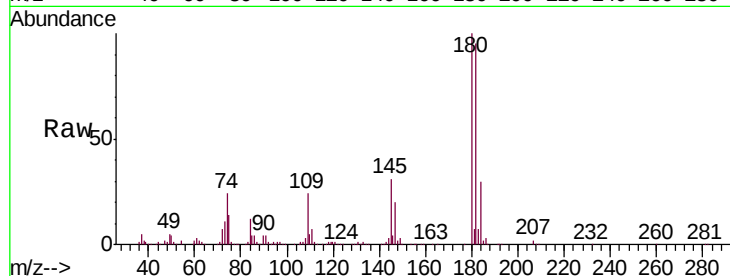
#96
 1,2,3-Trichlorobenzene
 Concen: 52.30 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN050122.D
 Acq: 27 Jul 2018 8:36

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BSMSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.1	48.1	144.4
145	30.9	15.3	45.9

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

