

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050910.D
 Acq On : 28 Aug 2018 13:15
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:10:01 AM

Quant Time: Aug 29 01:31:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:19:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	129057	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	708887	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	640589	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	242785	29.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.27%
60) 4-Bromofluorobenzene	12.40	95	293201	30.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.60%
63) Toluene-d8	10.09	98	882025	29.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.43%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	822744	102.65	ug/l	99
3) Chloromethane	2.06	50	917831	96.98	ug/l	100
4) Vinyl Chloride	2.18	62	919109	98.29	ug/l	99
5) Bromomethane	2.55	94	554541	97.29	ug/l	100
6) Chloroethane	2.70	64	532547	96.55	ug/l	97
7) Trichlorofluoromethane	3.01	101	1220771	98.48	ug/l	99
8) Diethyl Ether	3.41	74	447699	102.43	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	749861	97.68	ug/l	99
10) 1,1-Dichloroethene	3.73	96	701241	100.56	ug/l	99
11) Methyl Iodide	3.95	142	749989	115.27	ug/l	98
12) Methyl Acetate	4.33	43	836866	103.78	ug/l	99
13) Acrolein	3.61	56	78806	441.35	ug/l	99
14) Acrylonitrile	4.99	53	1410528	517.36	ug/l	98
15) Acetone	3.82	58	333523	478.06	ug/l	95
16) Carbon Disulfide	4.05	76	2080713	99.23	ug/l	100
17) Allyl chloride	4.32	41	1140724	103.96	ug/l	99
18) Methylene Chloride	4.55	84	789153	96.41	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	743221	100.03	ug/l	99
20) Diisopropyl ether	5.96	45	2324323	102.05	ug/l	96
21) 1,1-Dichloroethane	5.85	63	1375169	98.47	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	845952	100.80	ug/l	99
23) tert-Butyl Alcohol	4.80	59	303044	522.65	ug/l	100
24) Methyl tert-Butyl Ether	5.05	73	2000451	104.88	ug/l	100
25) Chloroform	7.37	83	1360315	97.60	ug/l	98
26) Cyclohexane	7.66	56	1217372	105.22	ug/l #	98
29) 1,1-Dichloropropene	7.80	75	1072743	101.08	ug/l	99
30) 2-Butanone	6.84	43	1599251	489.84	ug/l	100
31) 2,2-Dichloropropane	6.83	77	1070194	103.63	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1170257	97.24	ug/l	99
33) Carbon Tetrachloride	7.78	117	1057947	97.62	ug/l	96
34) Benzene	8.04	78	3211384	97.82	ug/l #	92
35) Methacrylonitrile	7.18	41	379622	106.13	ug/l	96
36) 1,2-Dichloroethane	8.13	62	953174	96.00	ug/l	100
37) Trichloroethene	8.84	130	844269	98.39	ug/l	98
38) Methylcyclohexane	9.08	83	1192740	104.64	ug/l	97
39) 1,2-Dichloropropane	9.12	63	841455	98.13	ug/l	99
40) Dibromomethane	9.21	93	503089	97.40	ug/l	98

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Manual Integrations
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MMDadoda
 8/29/2018 11:10:01 AM

Quant Time: Aug 29 01:31:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:19:11 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1068032	98.09	ug/l	98
42) Vinyl Acetate	5.90	43	7749349	515.32	ug/l	99
43) Ethyl Acetate	6.93	43	673069	100.64	ug/l	94
44) Isopropyl Acetate	8.17	43	1211367	102.64	ug/l	97
45) 1,4-Dioxane	9.20	88	179645	2049.14	ug/l	98
46) Methyl methacrylate	9.20	41	628322	106.30	ug/l	97
47) n-amyl Acetate	12.07	43	1043638	109.99	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	1124865	105.39	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	1274046	103.91	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	735305	97.98	ug/l	99
51) Ethyl methacrylate	10.43	69	984854	107.25	ug/l	99
52) 1,3-Dichloropropane	10.71	76	1235356	99.37	ug/l	99
53) Dibromochloromethane	10.90	129	855384	100.23	ug/l	99
54) 1,2-Dibromoethane	11.01	107	744148	100.28	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	2089052	546.77	ug/l	99
56) Bromoform	12.13	173	625289	103.02	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	3550671	484.45	ug/l	98
59) 2-Hexanone	10.75	43	2398418	500.63	ug/l	98
61) Tetrachloroethene	10.63	164	766752	96.05	ug/l	99
62) Toluene	10.16	91	3503871	98.04	ug/l	100
64) Chlorobenzene	11.44	112	2198545	99.26	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	820981	98.17	ug/l	99
66) Ethyl Benzene	11.51	91	3818701	103.16	ug/l	99
67) m/p-Xylenes	11.62	106	2909784	204.29	ug/l	100
68) o-Xylene	11.95	106	1410918	103.67	ug/l	100
69) Styrene	11.97	104	2282241	105.47	ug/l	99
70) Isopropylbenzene	12.25	105	3725933	103.03	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	949429	96.97	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	847584m	100.65	ug/l	
73) Bromobenzene	12.53	156	955655	100.44	ug/l	100
74) n-propylbenzene	12.59	91	4241145	103.73	ug/l	99
75) 2-Chlorotoluene	12.68	91	2496354	100.50	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	3016914	102.09	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	260575	108.27	ug/l	94
78) 4-Chlorotoluene	12.77	91	2514912	102.83	ug/l	99
79) tert-butylbenzene	12.99	119	2640253	102.87	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	3053729	103.64	ug/l	99
81) sec-Butylbenzene	13.17	105	3445435	102.60	ug/l	99
82) p-Isopropyltoluene	13.29	119	3024922	104.36	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1652751	102.74	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1602322	105.12	ug/l	99
85) n-Butylbenzene	13.62	91	2459360	111.20	ug/l	98
86) Hexachloroethane	13.88	117	549490	98.77	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	1588008	100.29	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	138261	100.93	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	844302	119.78	ug/l	99
90) Hexachlorobutadiene	15.01	225	463657	96.81	ug/l	99
91) Naphthalene	15.14	128	1902805	125.94	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	815375	115.27	ug/l	100

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MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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QLast Update : Wed Aug 29 01:19:11 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

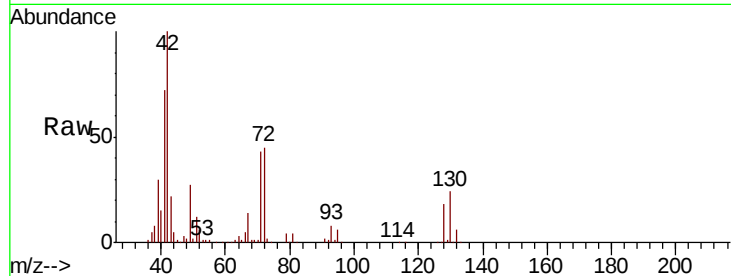
ClientSampleId :

VSTDIC100

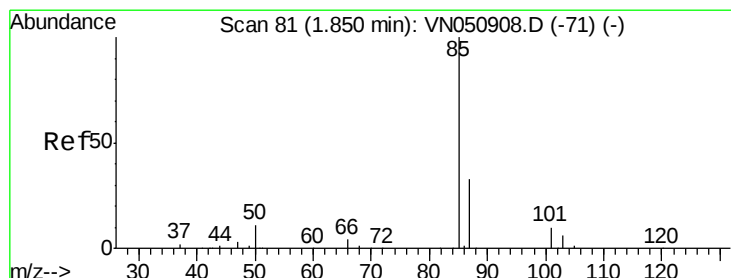
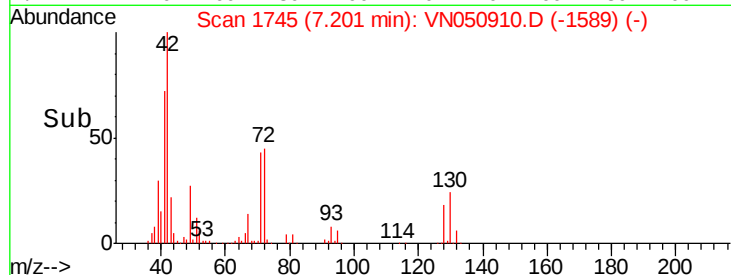
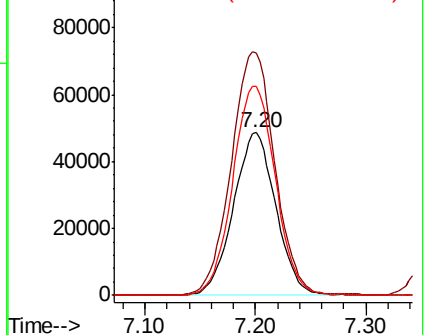
Tot Ion:	128	Resp:	129057
Ion	Ratio	Lower	Upper
128	100		
49	154.6	0.0	380.3
130	130.2	0.0	325.3

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 102.65 ug/l

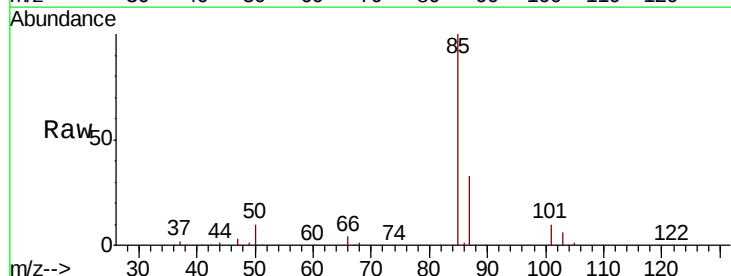
RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

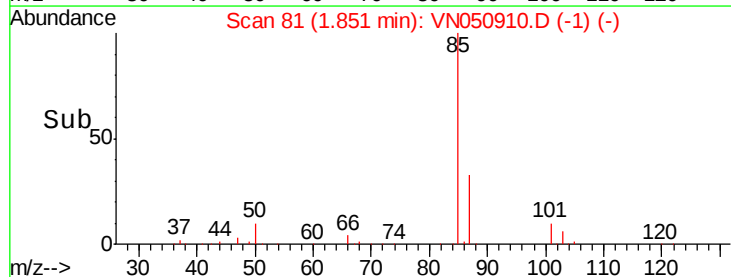
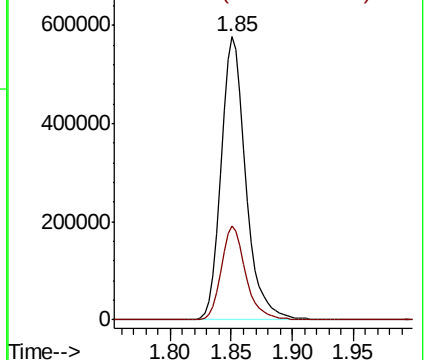
Lab File: VN050910.D

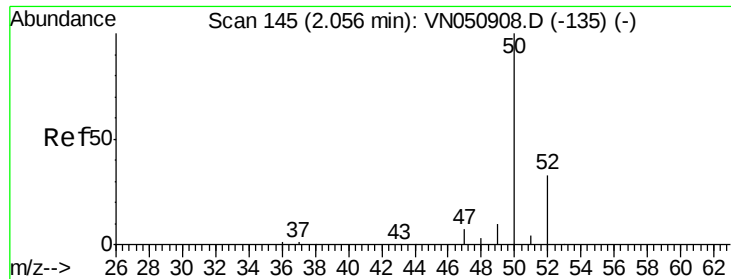
Acq: 28 Aug 2018 13:15

Tgt Ion:	85	Resp:	822744
Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 96.98 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 917831

Ion Ratio Lower Upper

50 100

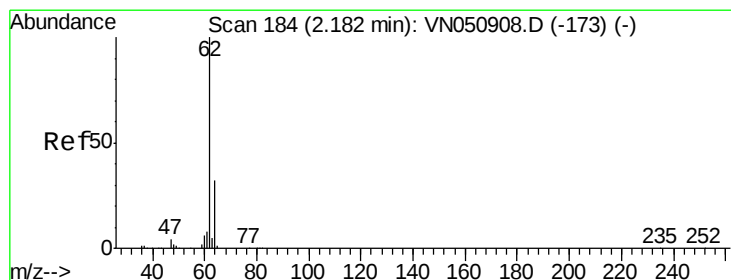
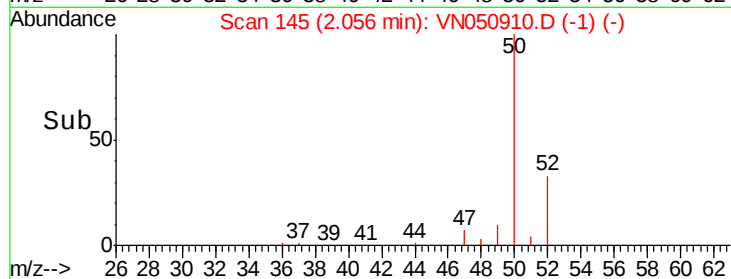
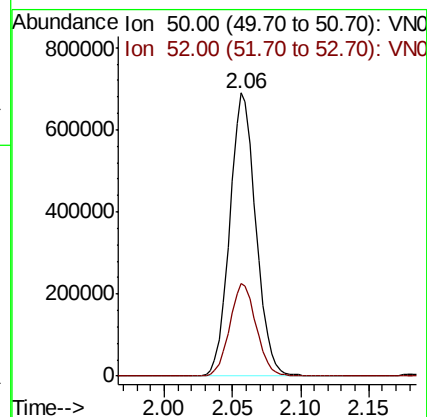
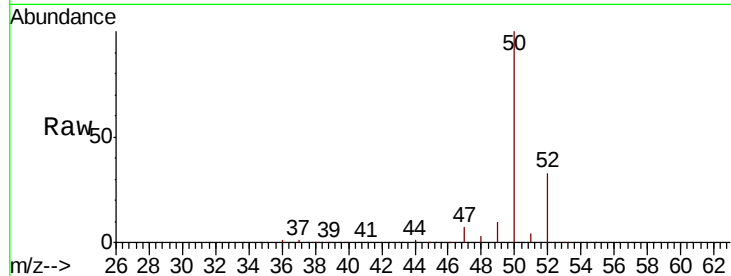
52 32.6 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 98.29 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050910.D

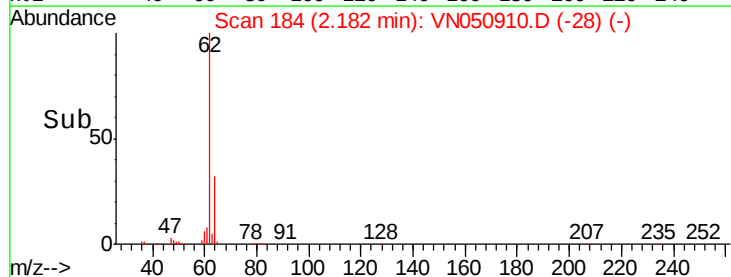
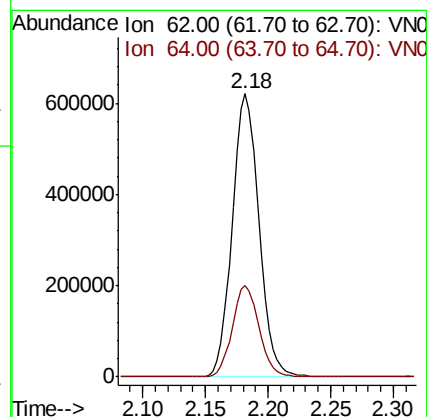
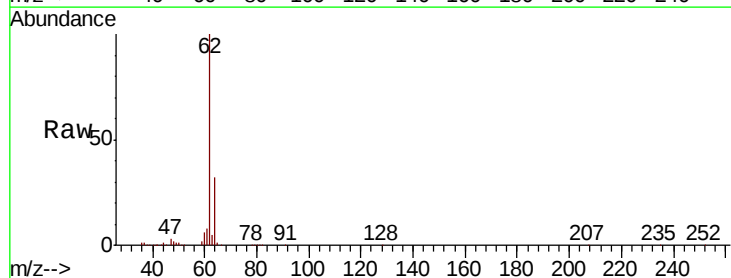
Acq: 28 Aug 2018 13:15

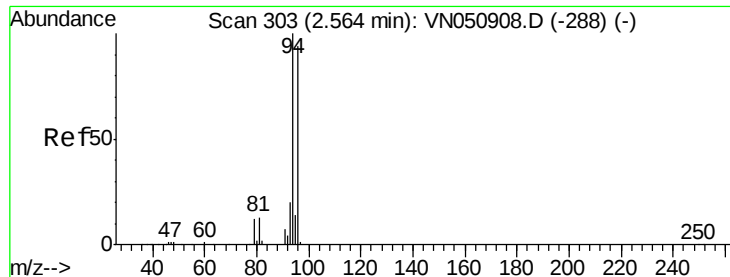
Tgt Ion: 62 Resp: 919109

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 97.29 ug/l

RT: 2.55 min Scan# 299

Delta R.T. -0.01 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 554541

Ion Ratio Lower Upper

94 100

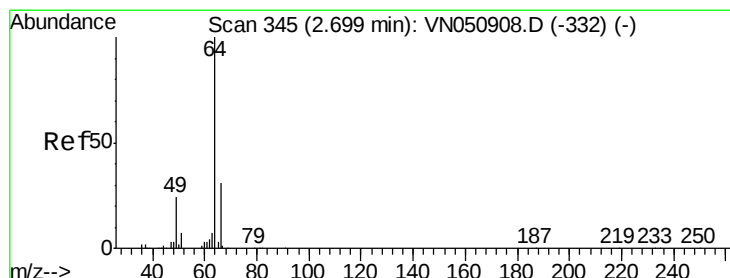
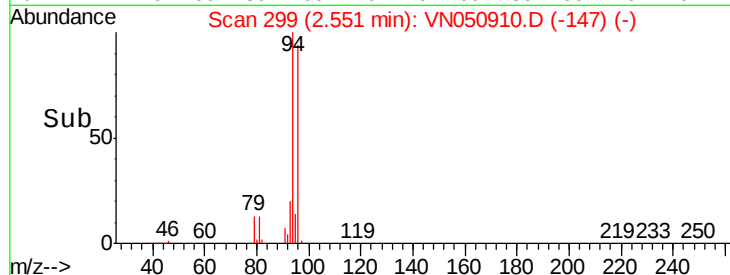
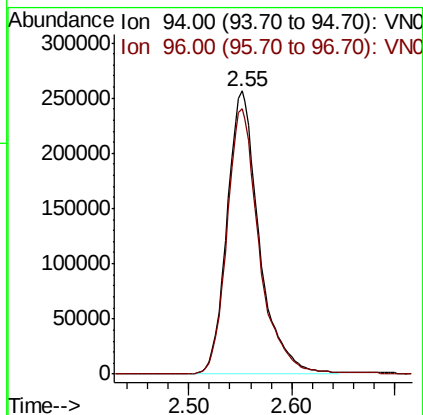
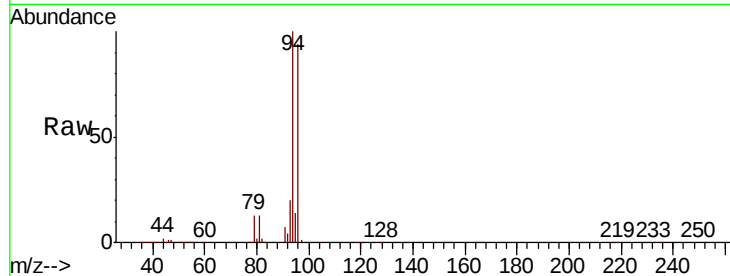
96 93.7 74.9 112.3

Manual Integrations

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8/29/2018 11:10:01 AM



#6

Chloroethane

Concen: 96.55 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN050910.D

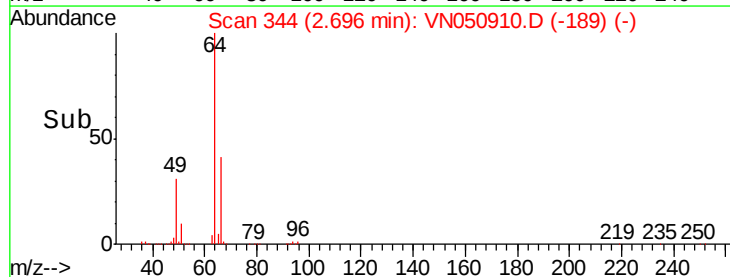
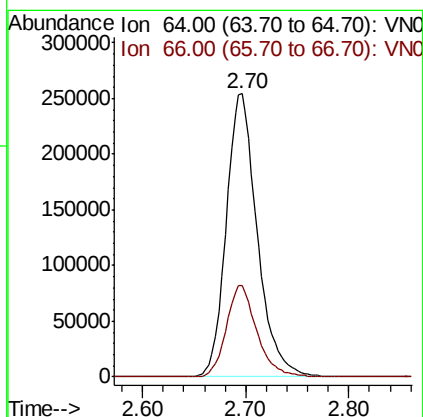
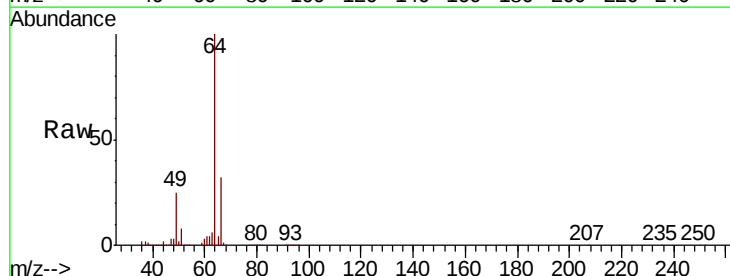
Acq: 28 Aug 2018 13:15

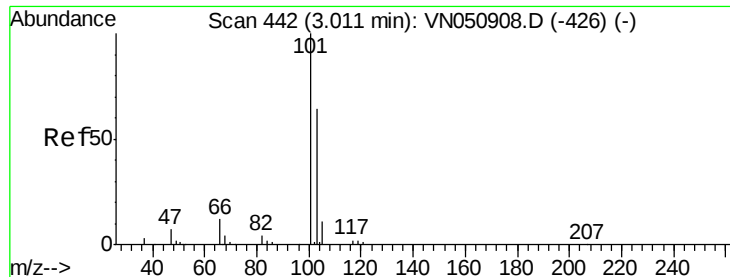
Tgt Ion: 64 Resp: 532547

Ion Ratio Lower Upper

64 100

66 32.2 24.5 36.7





#7

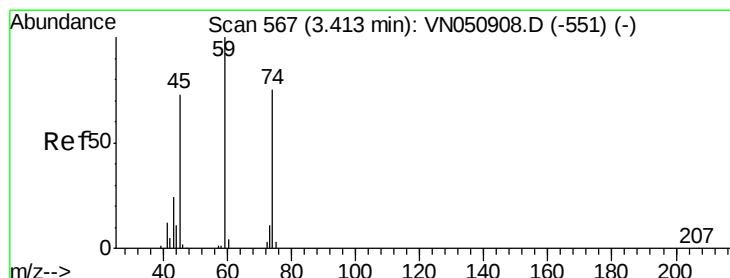
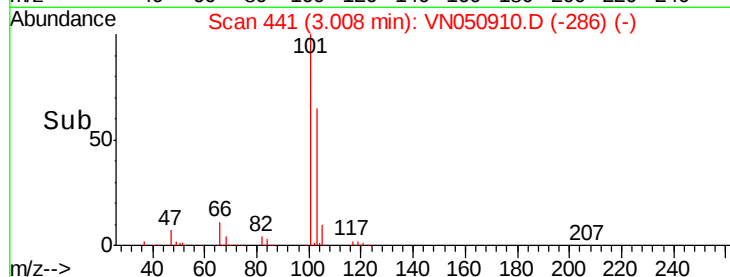
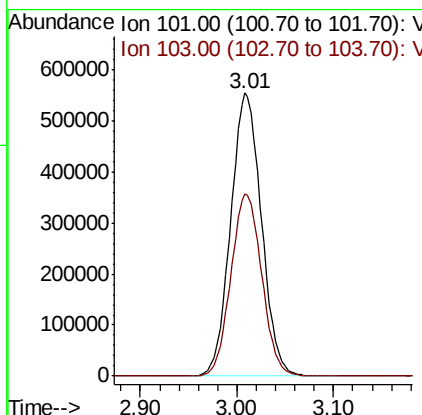
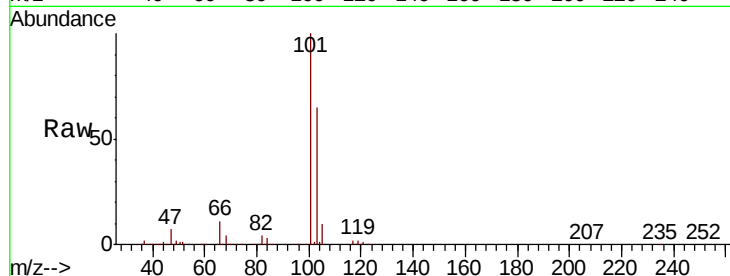
Trichlorofluoromethane
 Concen: 98.48 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 1220771
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.3 76.9

Manual Integrations
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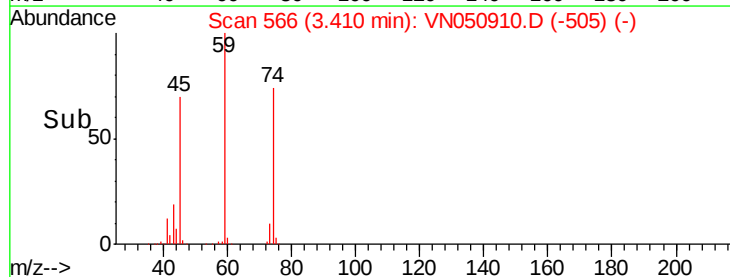
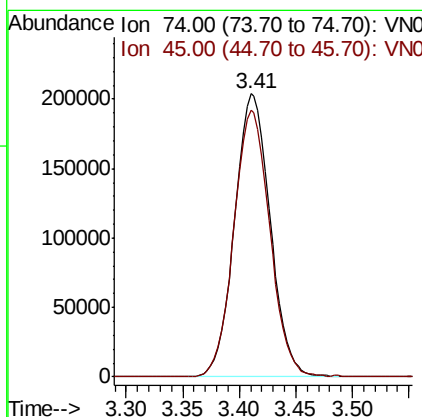
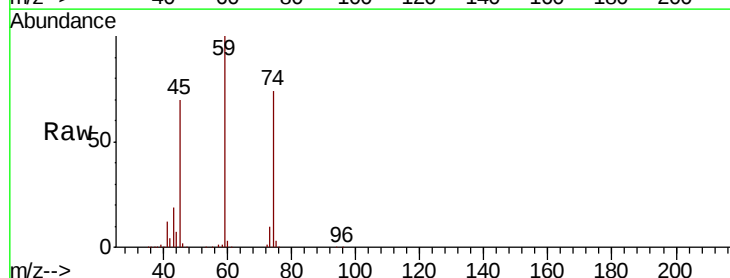
MMDadoda
 8/29/2018 11:10:01 AM

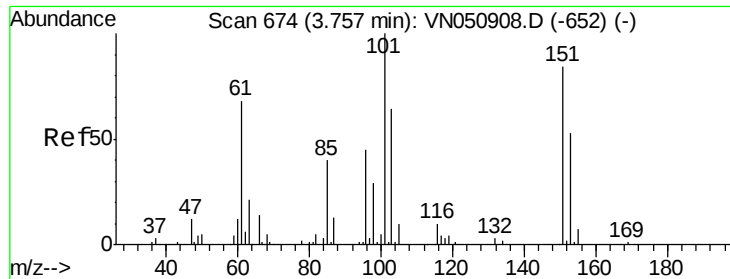


#8

Diethyl Ether
 Concen: 102.43 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion: 74 Resp: 447699
 Ion Ratio Lower Upper
 74 100
 45 95.0 19.7 177.1





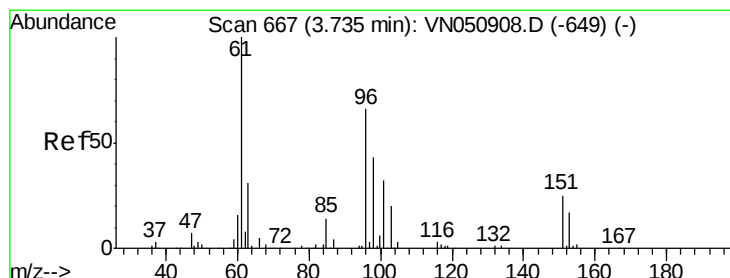
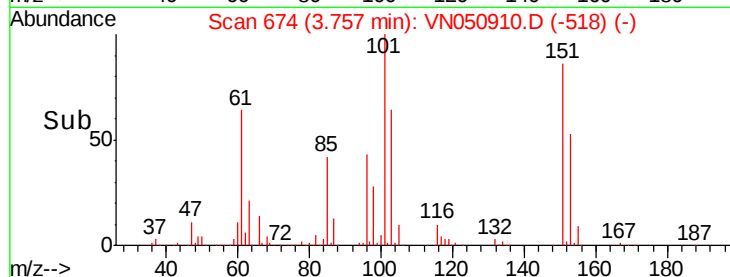
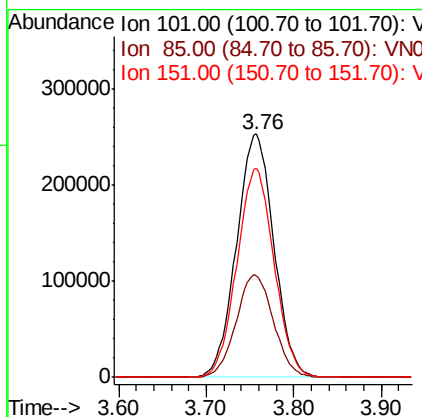
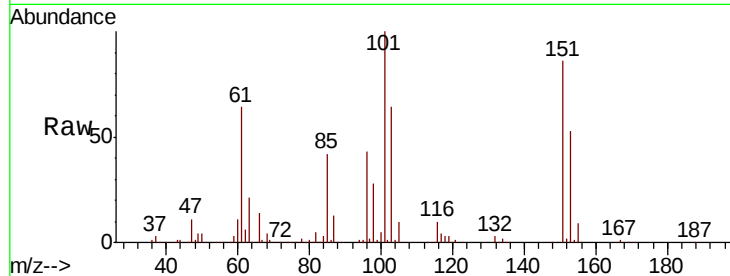
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 97.68 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	749861		
85	42.1	0.0	83.6	
151	85.3	0.0	167.0	

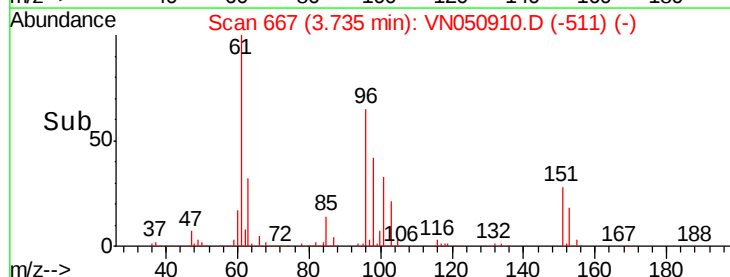
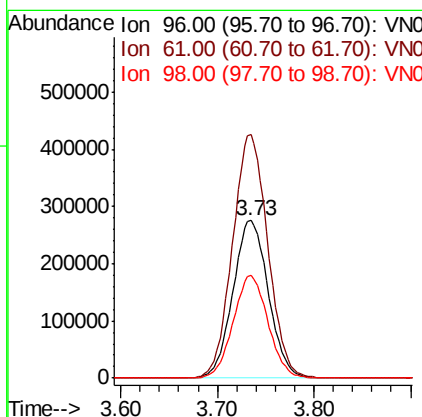
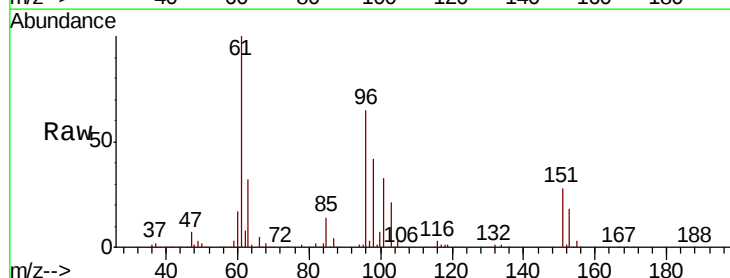
Manual Integrations
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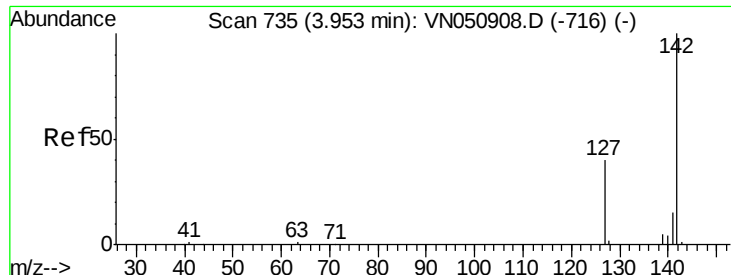
MMDadoda
 8/29/2018 11:10:01 AM



#10
 1,1-Dichloroethene
 Concen: 100.56 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	701241		
61	154.7	121.8	182.8	
98	65.1	52.3	78.5	





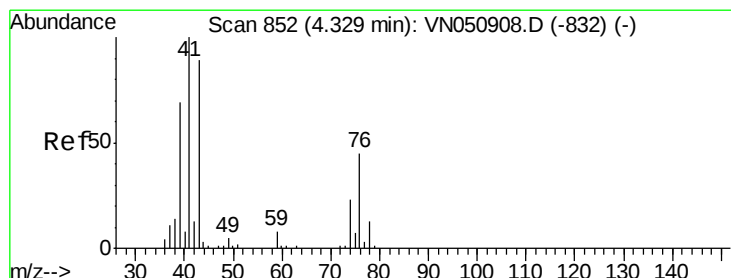
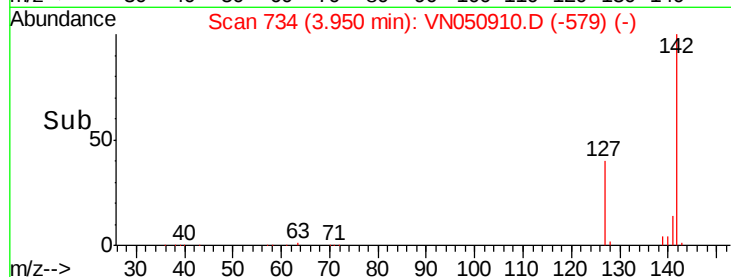
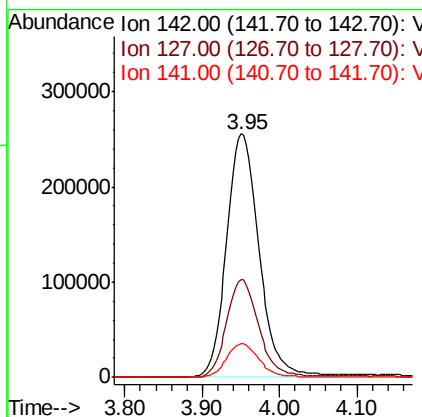
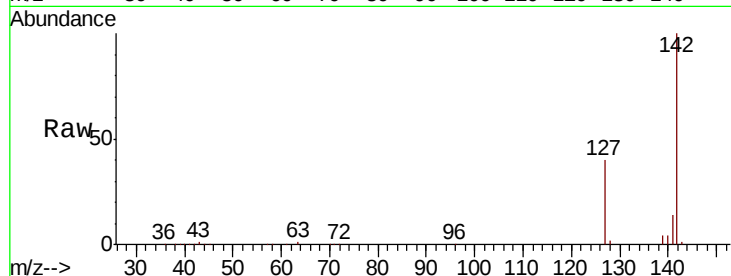
#11
Methyl Iodide
Concen: 115.27 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.2	19.7	59.1
141	13.8	7.3	22.0

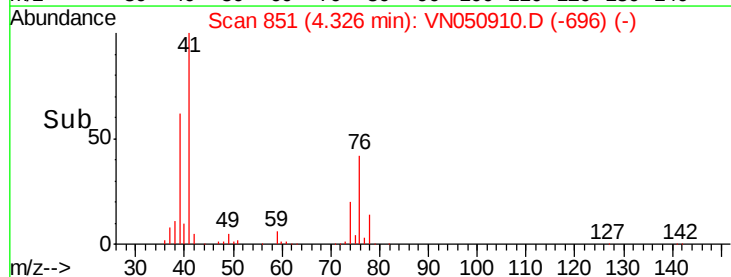
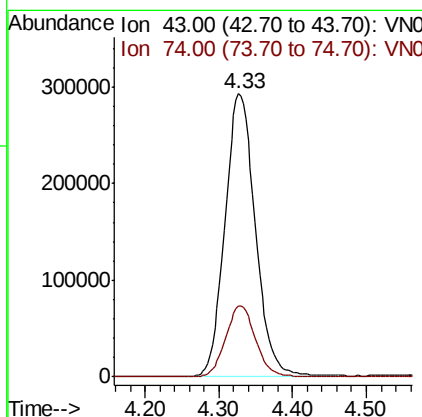
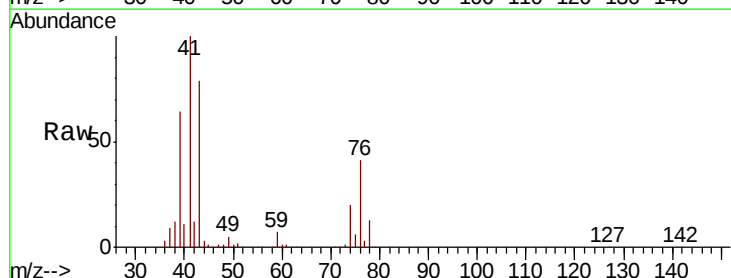
Manual Integrations
APPROVED

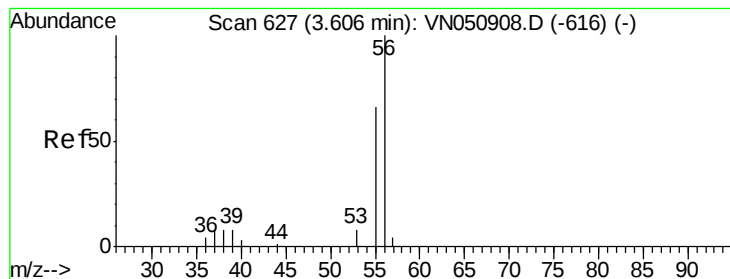
MMDadoda
8/29/2018 11:10:01 AM



#12
Methyl Acetate
Concen: 103.78 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.6	31.0





#13

Acrolein

Concen: 441.35 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 78806

Ion Ratio Lower Upper

56 100

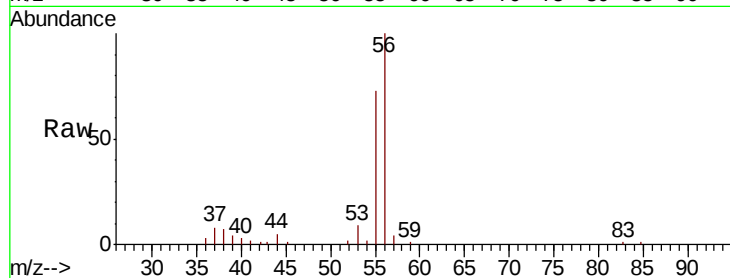
55 73.0 59.1 88.7

Manual Integrations

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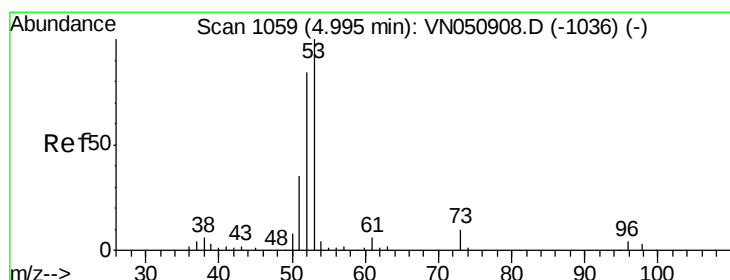
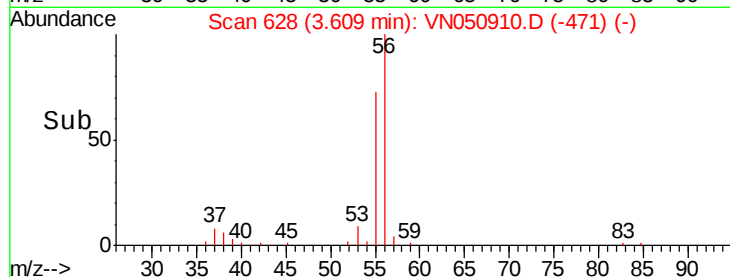
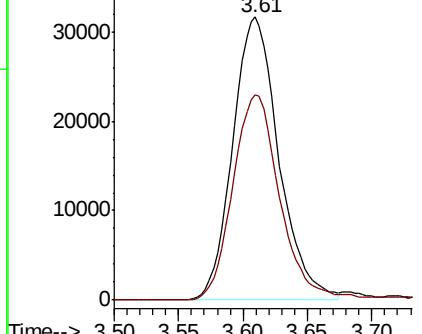
MMDadoda

8/29/2018 11:10:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VN050910.D (-471) (-)

Ion 55.00 (54.70 to 55.70): VN050910.D (-471) (-)



#14

Acrylonitrile

Concen: 517.36 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

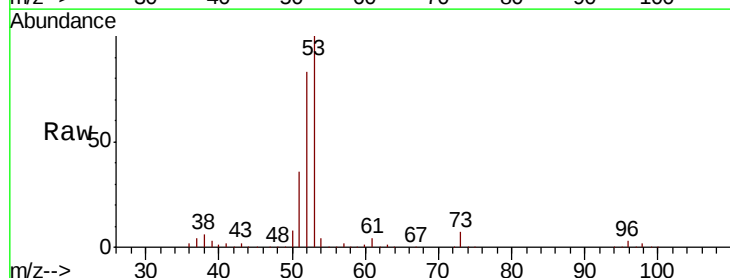
Tgt Ion: 53 Resp: 1410528

Ion Ratio Lower Upper

53 100

52 82.2 42.2 126.6

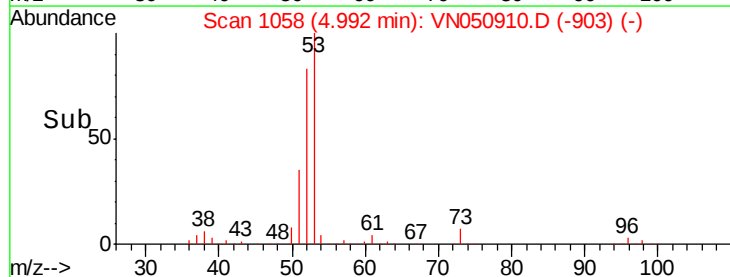
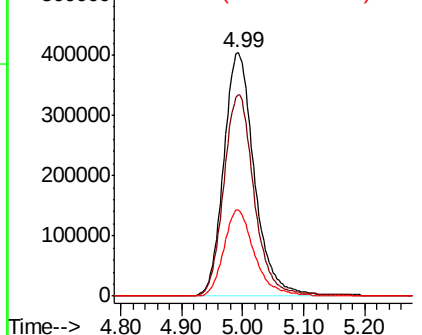
51 35.4 17.7 53.1

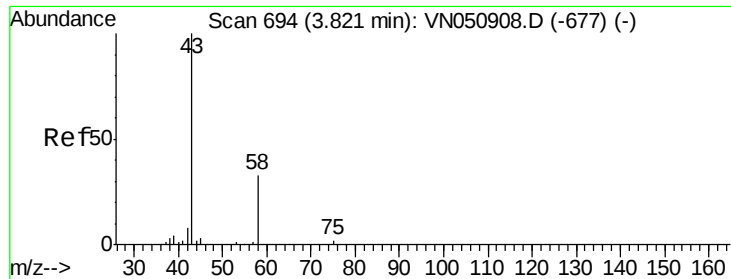


Abundance Ion 53.00 (52.70 to 53.70): VN050910.D (-903) (-)

Ion 52.00 (51.70 to 52.70): VN050910.D (-903) (-)

Ion 51.00 (50.70 to 51.70): VN050910.D (-903) (-)





#15

Acetone

Concen: 478.06 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 333523

Ion Ratio Lower Upper

58 100

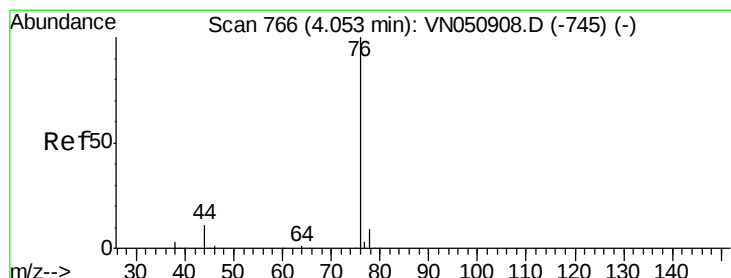
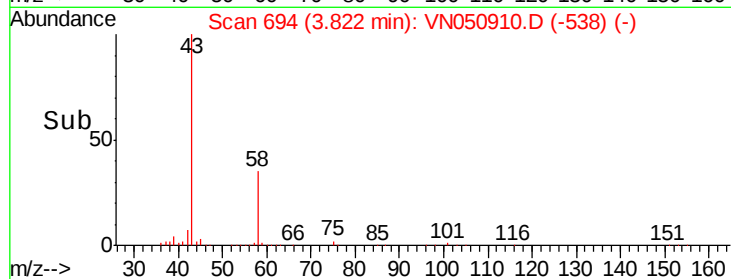
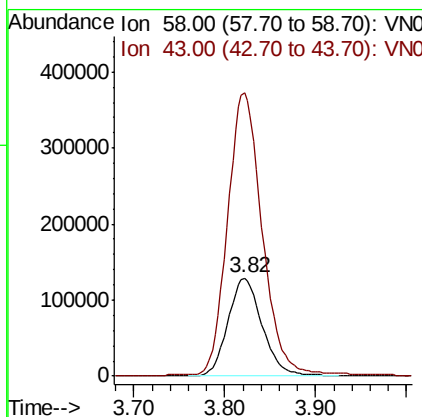
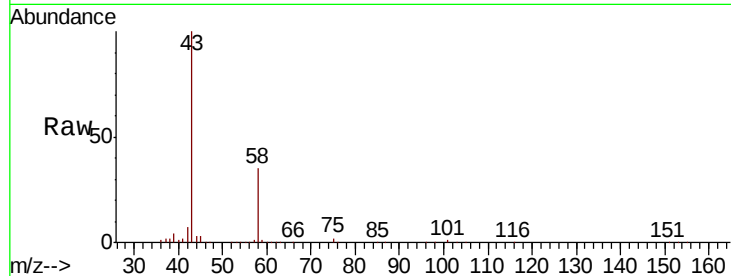
43 289.1 239.4 359.0

Manual Integrations

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MMDadoda

8/29/2018 11:10:01 AM



#16

Carbon Disulfide

Concen: 99.23 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050910.D

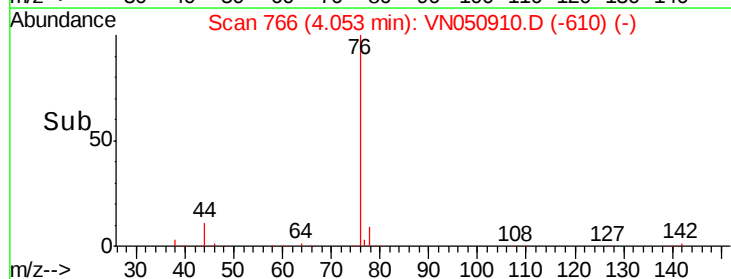
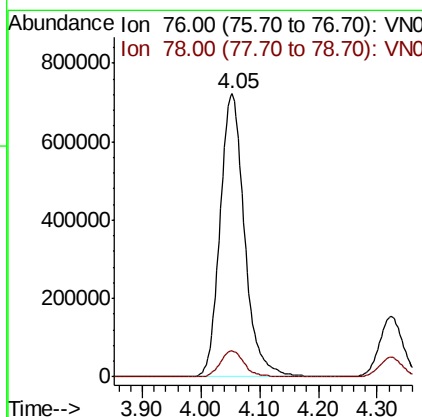
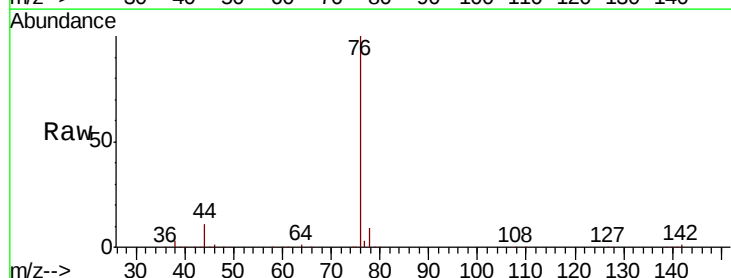
Acq: 28 Aug 2018 13:15

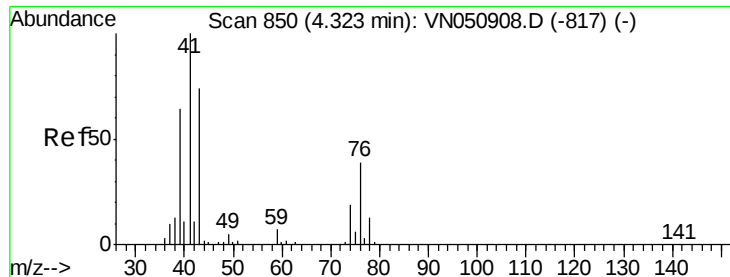
Tgt Ion: 76 Resp: 2080713

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





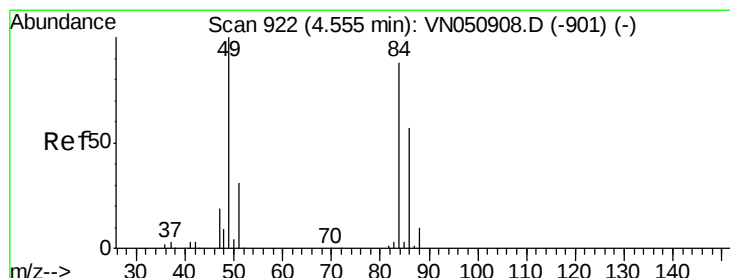
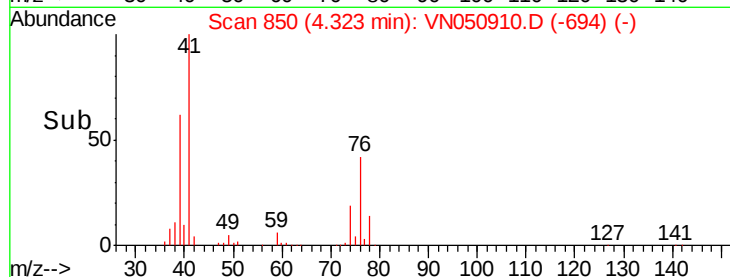
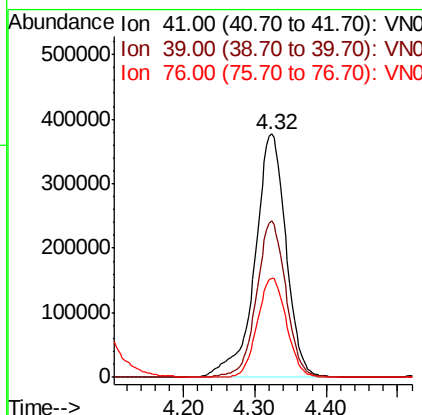
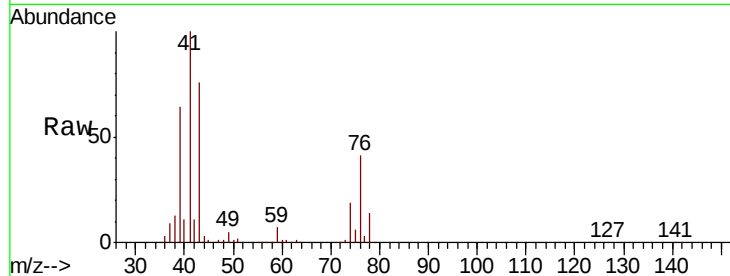
#17
Allvl chloride
Concen: 103.96 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.2	32.2	96.6
76	40.7	19.6	58.7

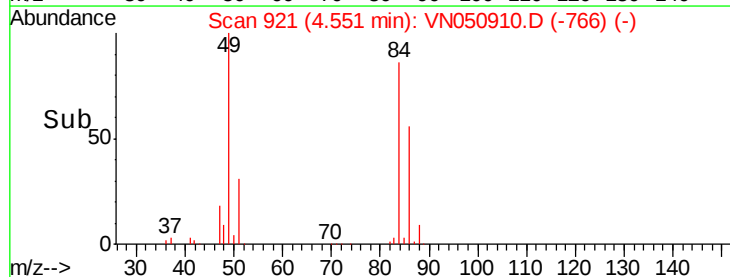
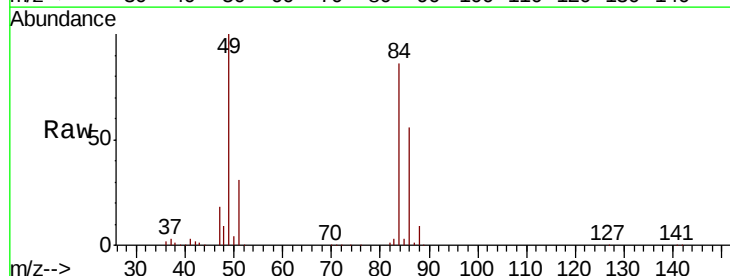
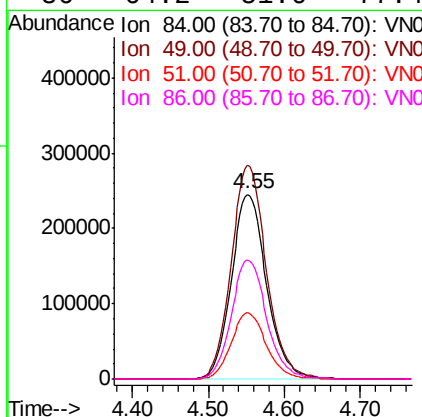
Manual Integrations
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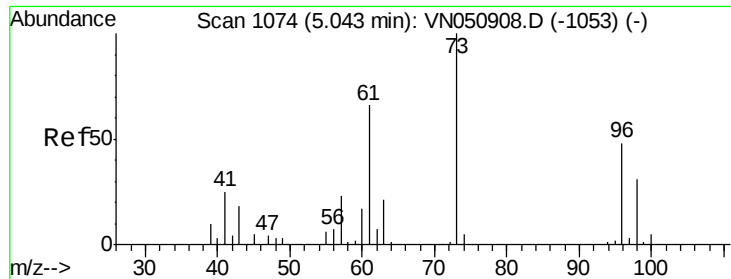
MMDadoda
8/29/2018 11:10:01 AM



#18
Methylene Chloride
Concen: 96.41 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.6	90.6	135.8
51	36.2	28.4	42.6
86	64.2	51.6	77.4





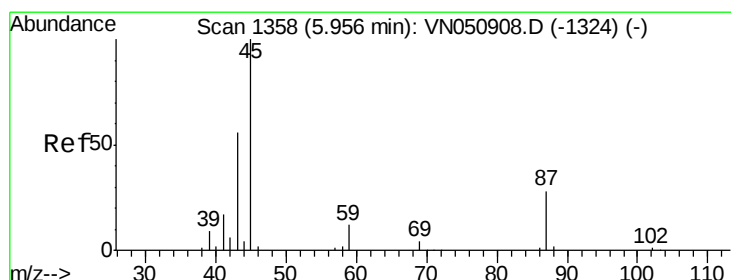
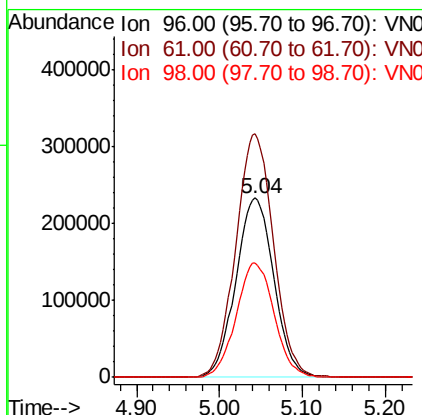
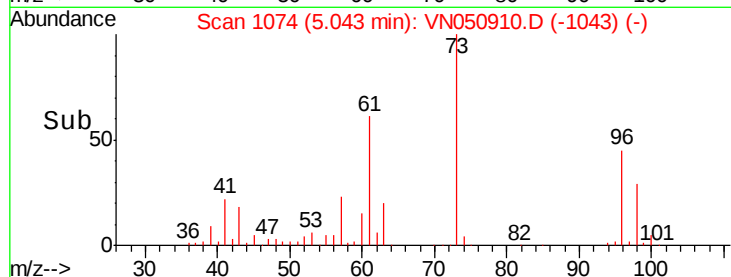
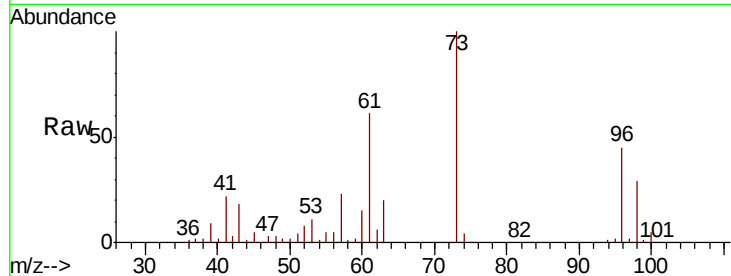
#19
trans-1,2-Dichloroethene
Concen: 100.03 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	109.5	164.3
98	63.9	51.9	77.9

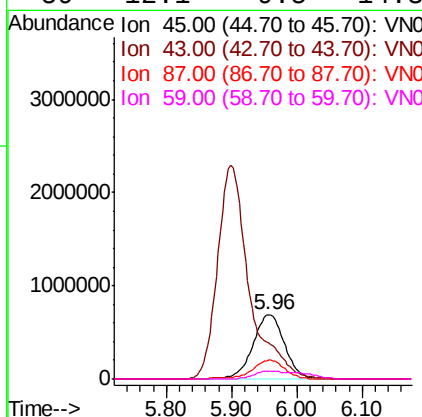
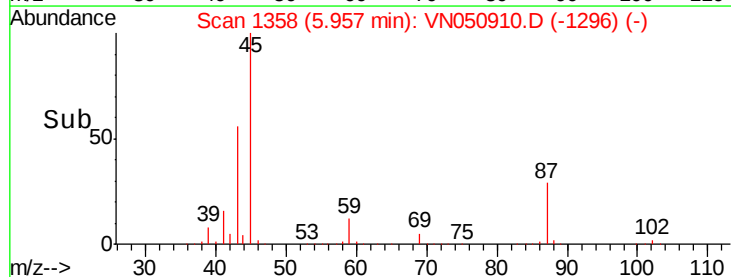
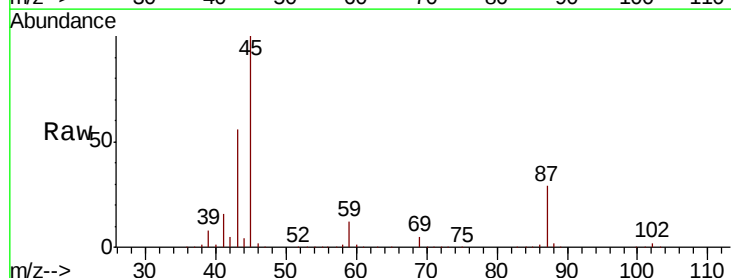
Manual Integrations
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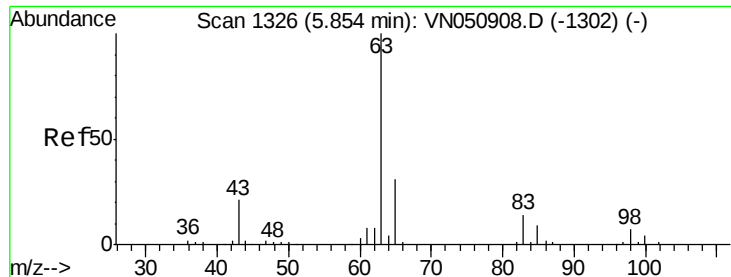
MMDadoda
8/29/2018 11:10:01 AM



#20
Diisopropyl ether
Concen: 102.05 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.8	47.0	70.6
87	29.1	22.8	34.2
59	12.1	9.5	14.3





#21

1,1-Dichloroethane

Concen: 98.47 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1375169

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

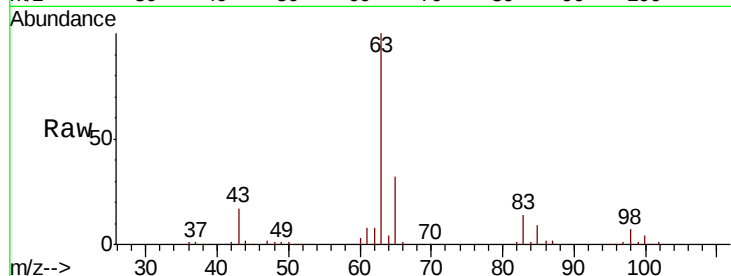
100 4.3 2.0 6.0

Manual Integrations

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MMDadoda

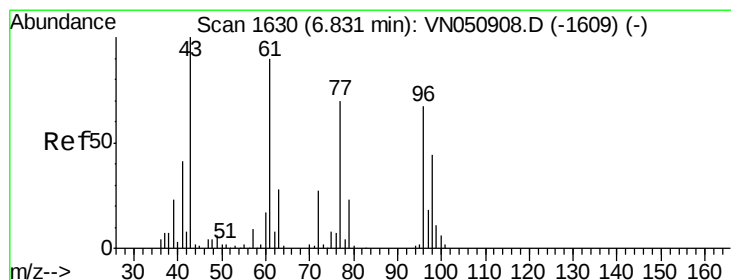
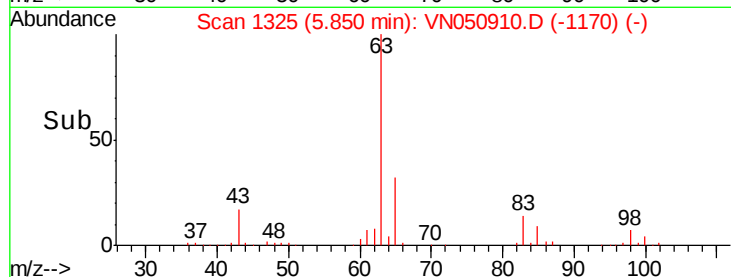
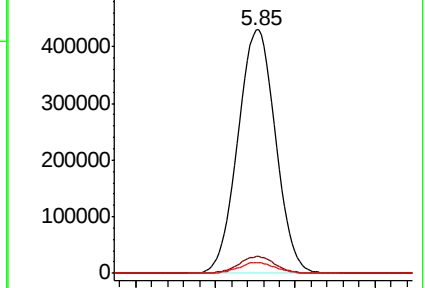
8/29/2018 11:10:01 AM



Abundance Ion 63.00 (62.70 to 63.70): VN050910.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050910.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050910.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 100.80 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

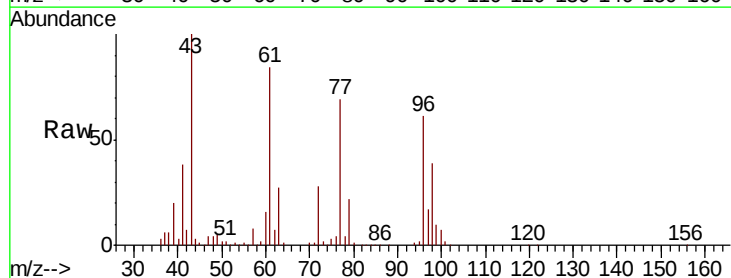
Tgt Ion: 96 Resp: 845952

Ion Ratio Lower Upper

96 100

61 139.8 110.0 165.0

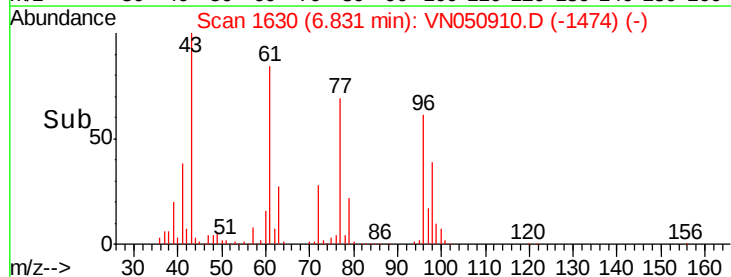
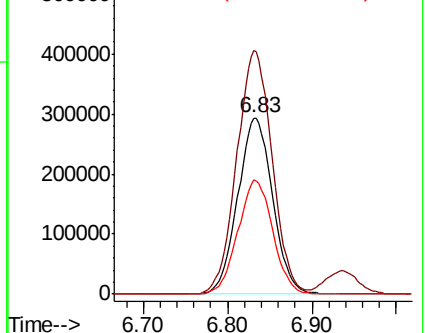
98 64.5 51.7 77.5

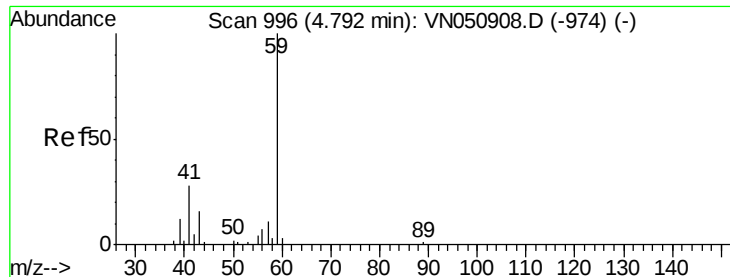


Abundance Ion 96.00 (95.70 to 96.70): VN050910.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050910.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050910.D (-1609) (-)





#23

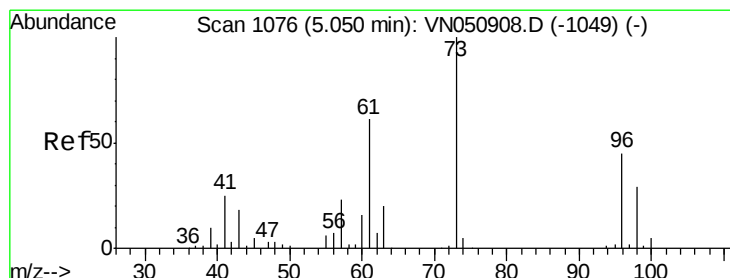
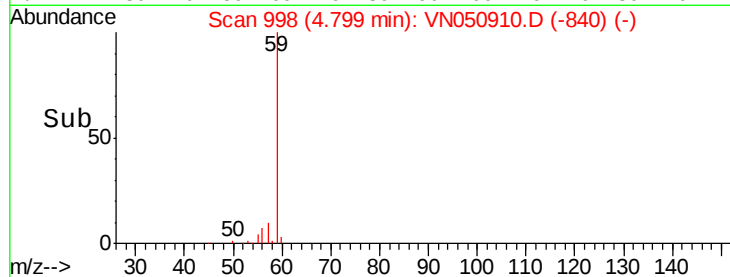
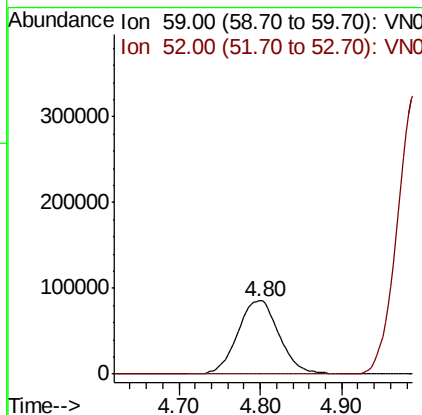
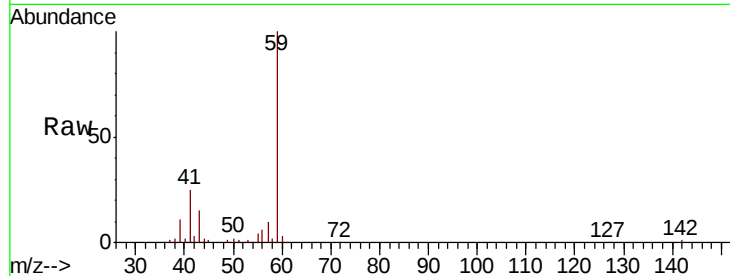
tert-Butyl Alcohol
 Concen: 522.65 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

Manual Integrations
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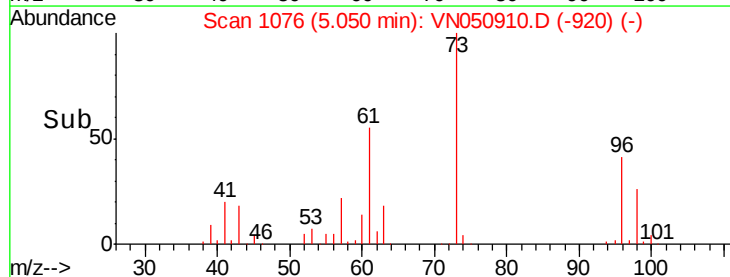
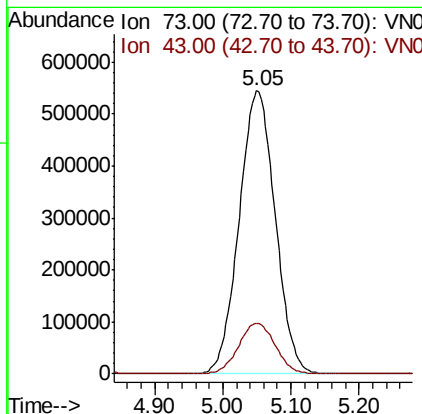
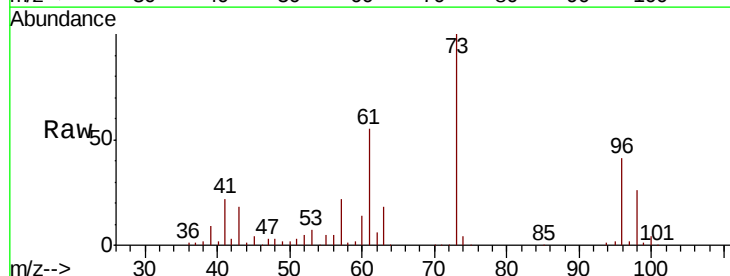
MMDadoda
 8/29/2018 11:10:01 AM

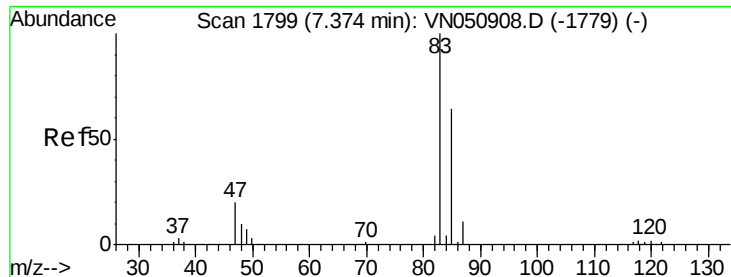


#24

Methyl tert-Butyl Ether
 Concen: 104.88 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.2	14.4	21.6





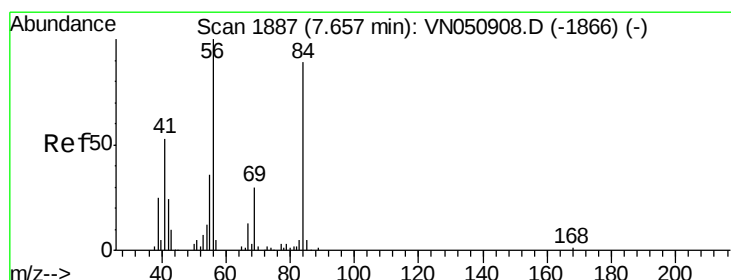
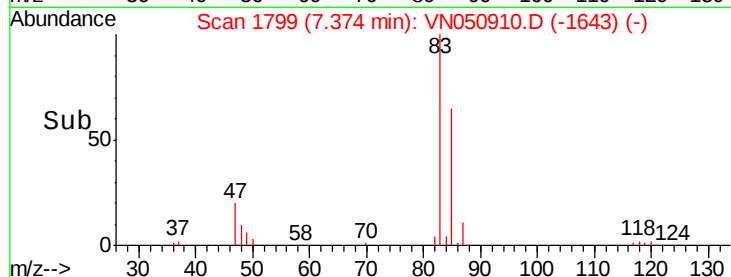
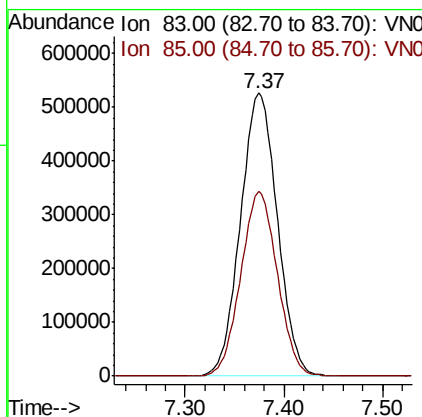
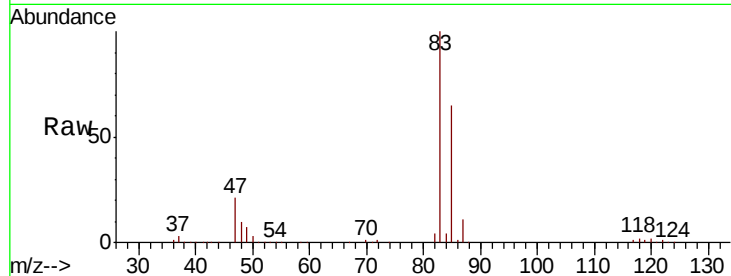
#25
Chloroform
Concen: 97.60 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 83 Resp: 1360315
Ion Ratio Lower Upper
83 100
85 65.4 51.4 77.0

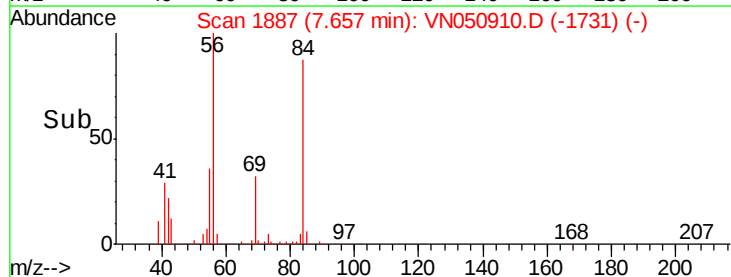
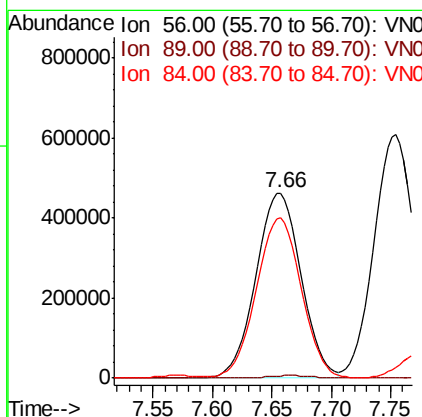
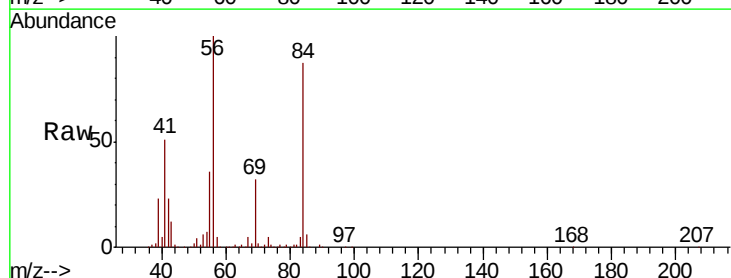
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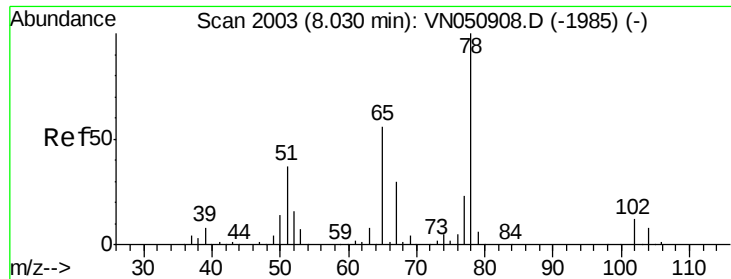
MMDadoda
8/29/2018 11:10:01 AM



#26
Cyclohexane
Concen: 105.22 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion: 56 Resp: 1217372
Ion Ratio Lower Upper
56 100
89 1.3 0.4 0.6#
84 86.4 70.4 105.6





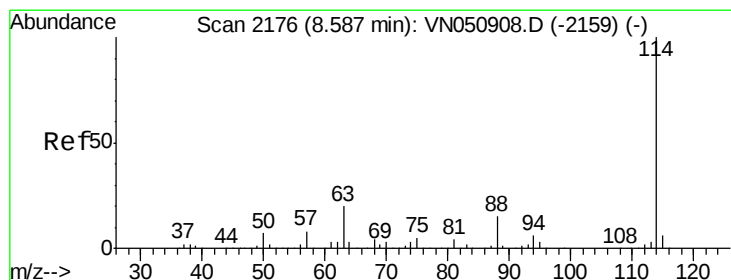
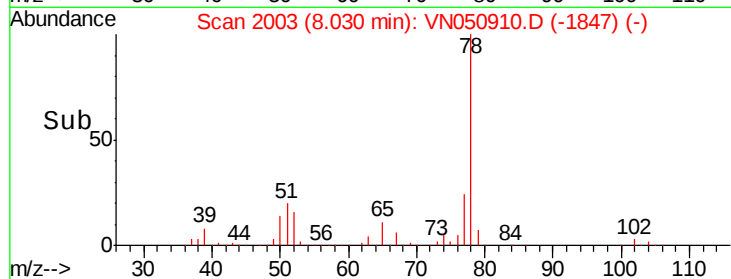
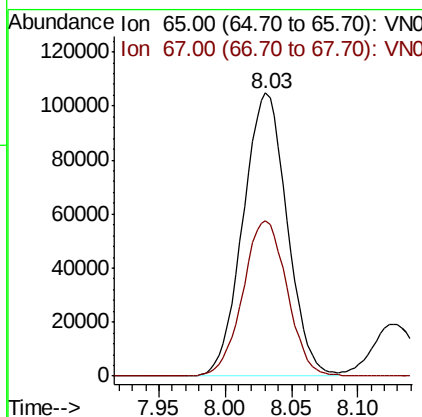
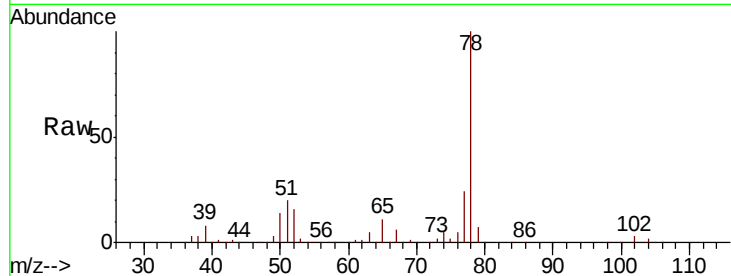
#27
 1,2-Dichloroethane-d4
 Concen: 29.48 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 242785
 Ion Ratio Lower Upper
 65 100
 67 55.1 43.7 65.5

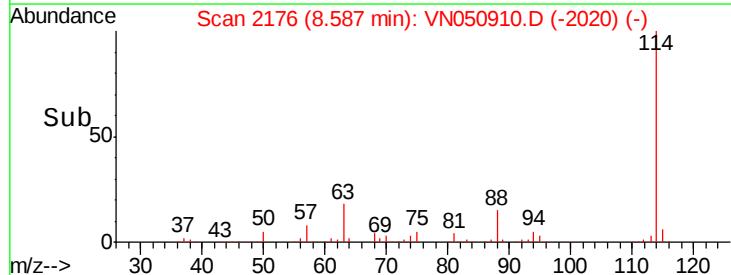
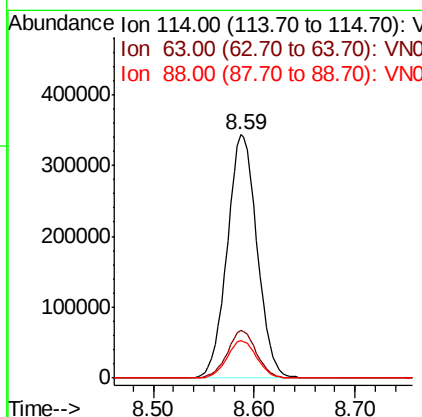
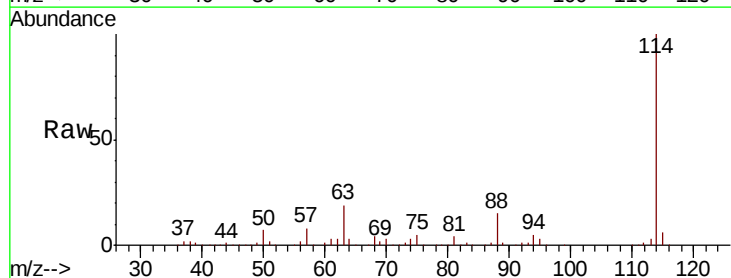
Manual Integrations
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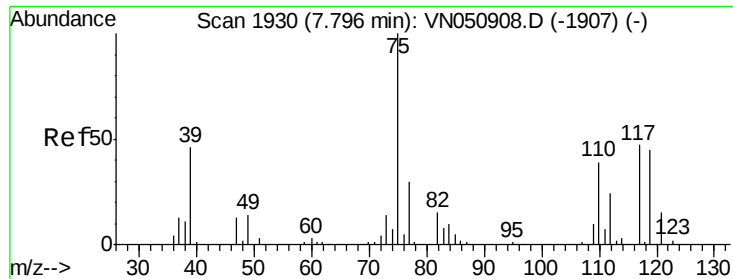
MMDadoda
 8/29/2018 11:10:01 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion: 114 Resp: 708887
 Ion Ratio Lower Upper
 114 100
 63 19.0 15.6 23.4
 88 15.4 12.2 18.4





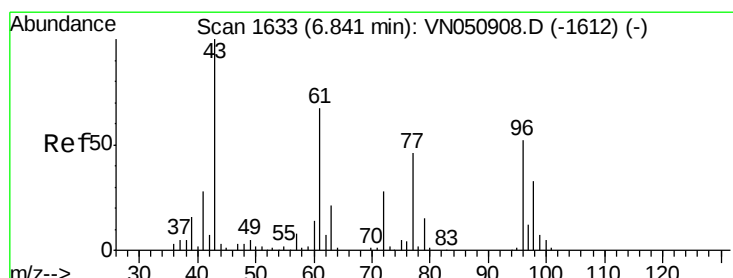
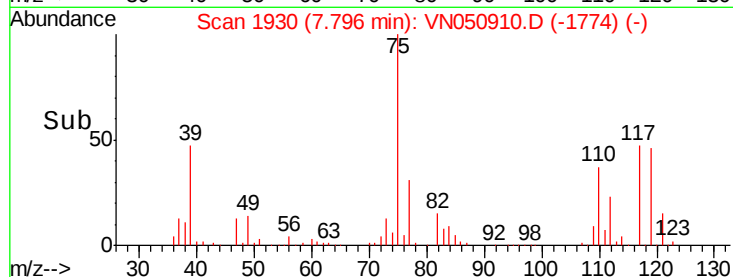
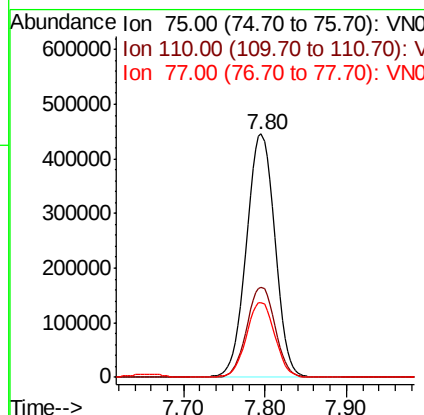
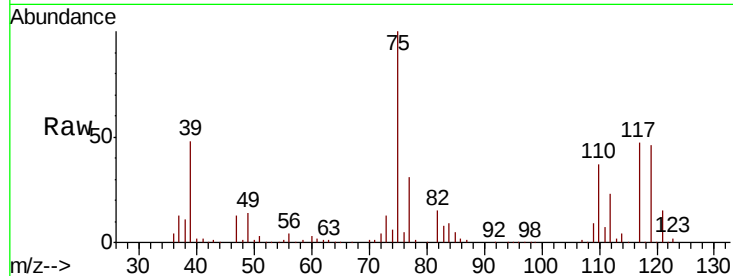
#29
 1,1-Dichloropropene
 Concen: 101.08 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 1072743
 Ion Ratio Lower Upper
 75 100
 110 36.7 0.0 75.0
 77 30.8 0.0 60.6

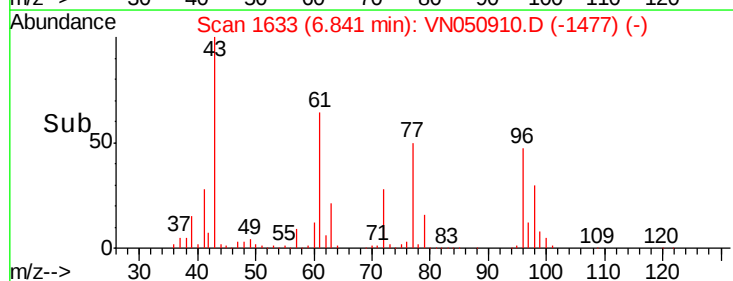
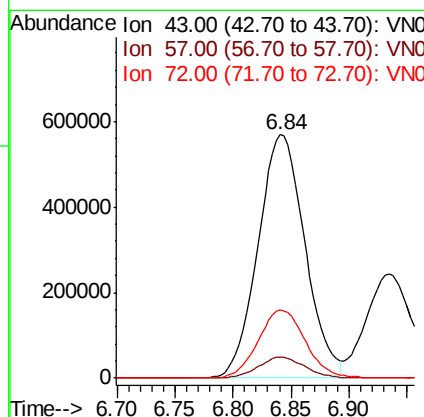
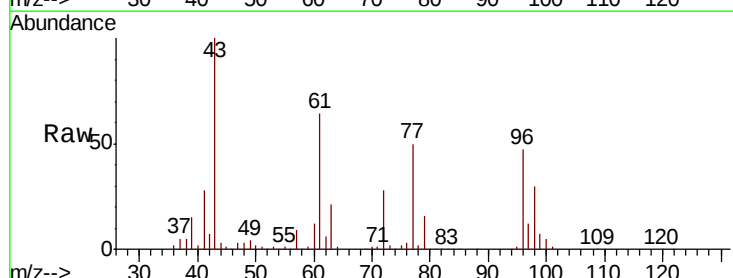
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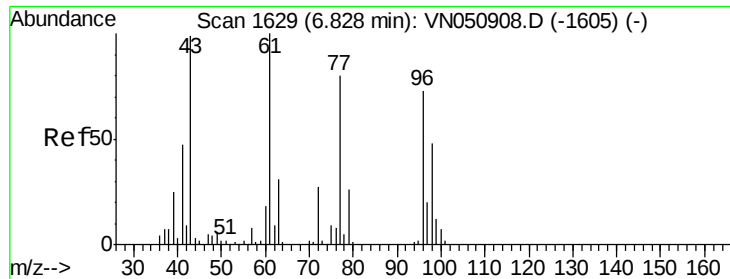
MMDadoda
 8/29/2018 11:10:01 AM



#30
 2-Butanone
 Concen: 489.84 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion: 43 Resp: 1599251
 Ion Ratio Lower Upper
 43 100
 57 8.6 6.9 10.3
 72 28.2 22.8 34.2





#31

2,2-Dichloropropane

Concen: 103.63 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 1070194

Ion Ratio Lower Upper

77 100

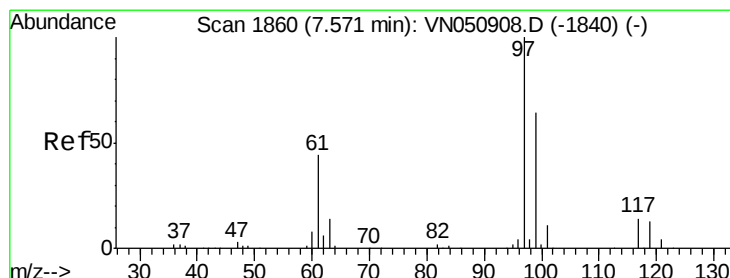
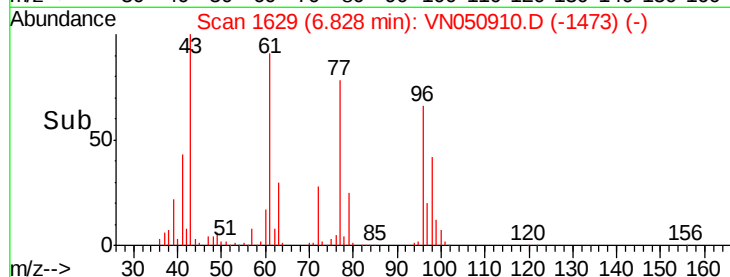
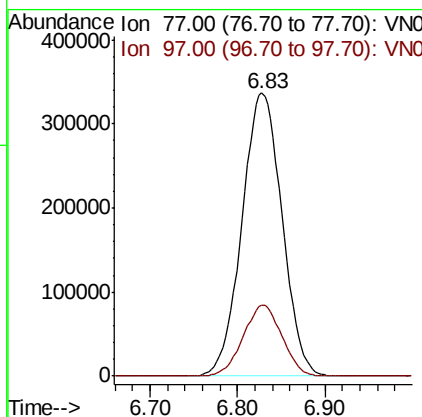
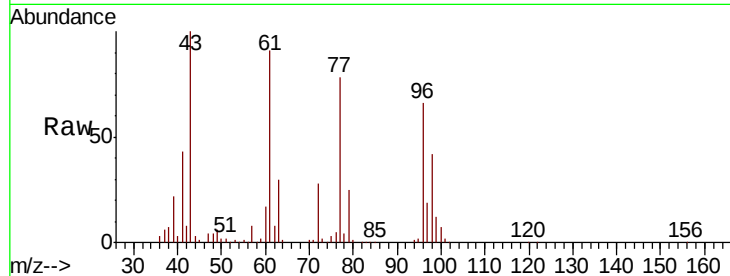
97 24.4 20.2 30.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 97.24 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

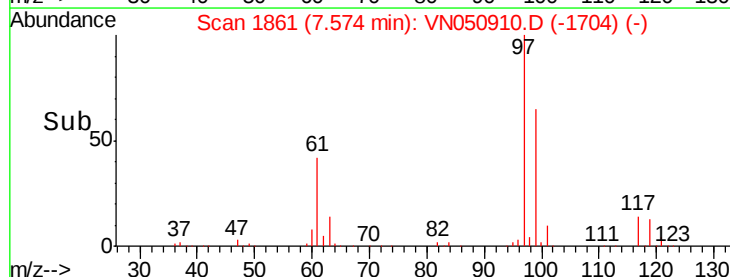
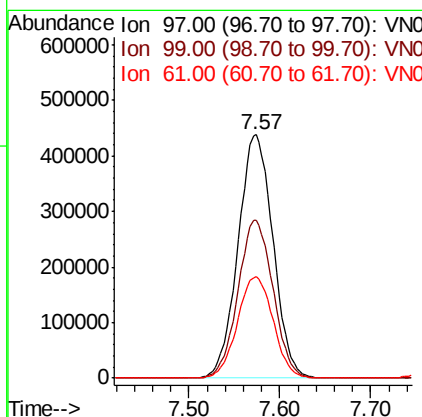
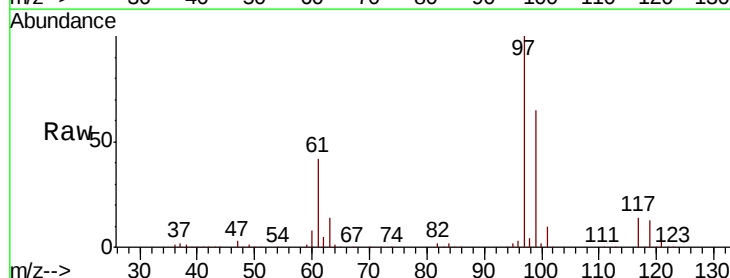
Tgt Ion: 97 Resp: 1170257

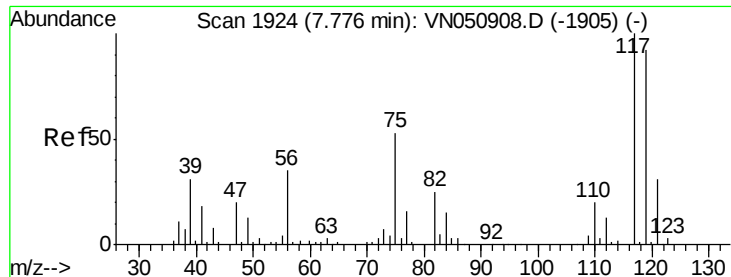
Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 42.6 35.0 52.6





#33

Carbon Tetrachloride

Concen: 97.62 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC100

Tot Ion:117 Resp: 1057947

Ion Ratio Lower Upper

117 100

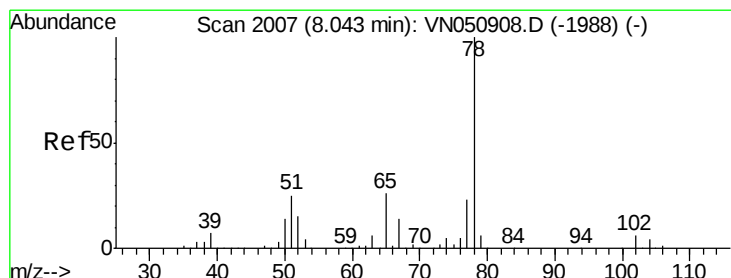
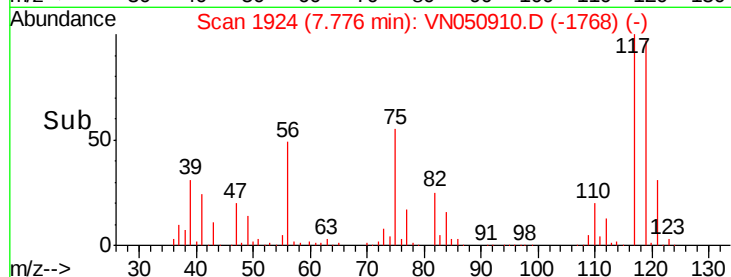
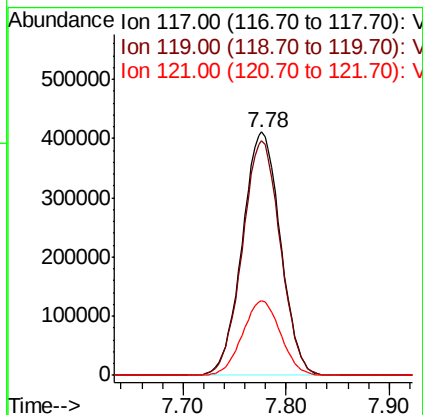
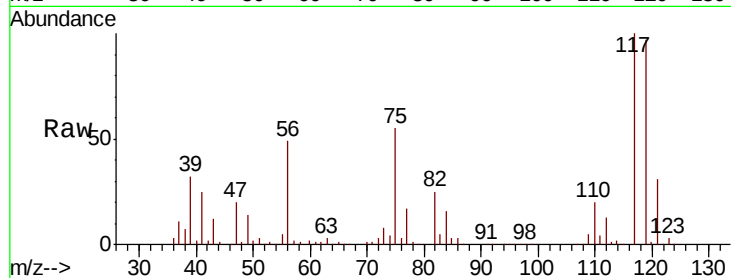
119 96.6 73.5 110.3

121 30.6 24.6 37.0

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#34

Benzene

Concen: 97.82 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

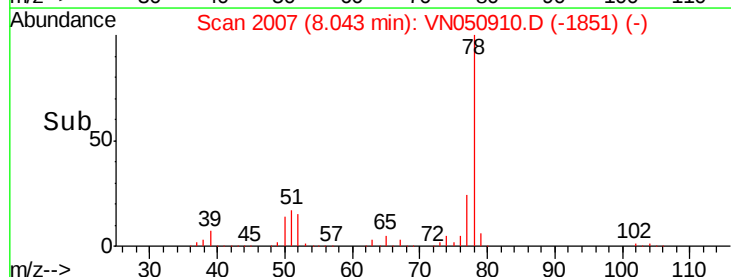
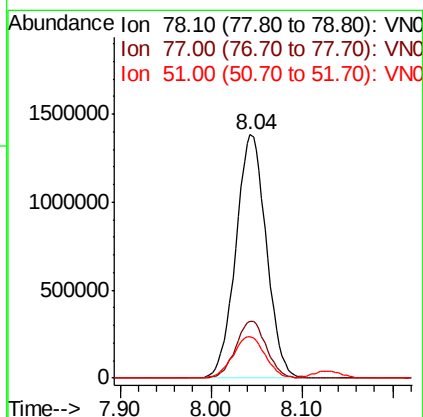
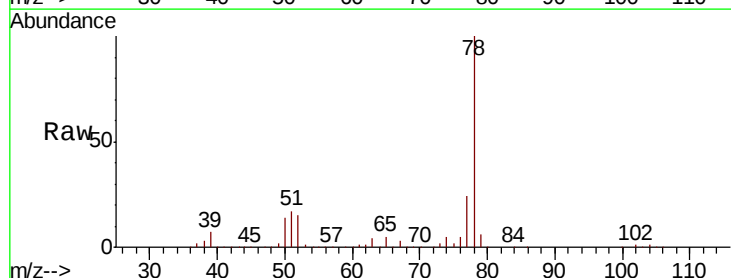
Tgt Ion: 78 Resp: 3211384

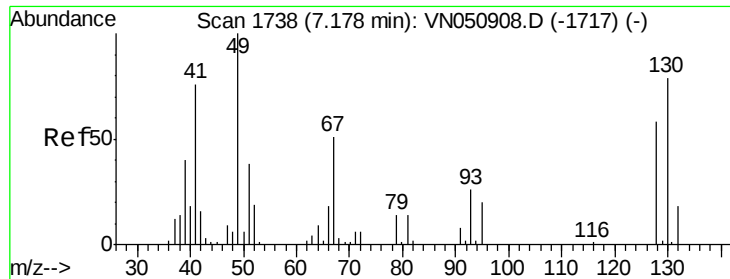
Ion Ratio Lower Upper

78 100

77 23.5 18.6 28.0

51 17.0 20.0 30.0#





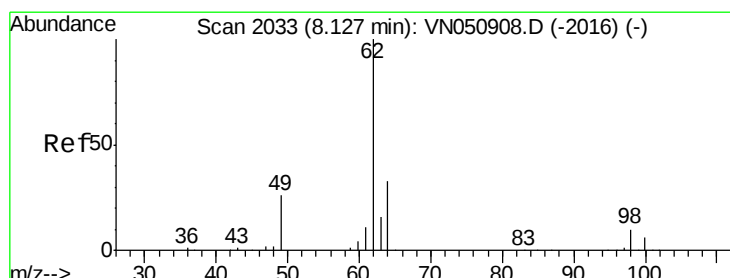
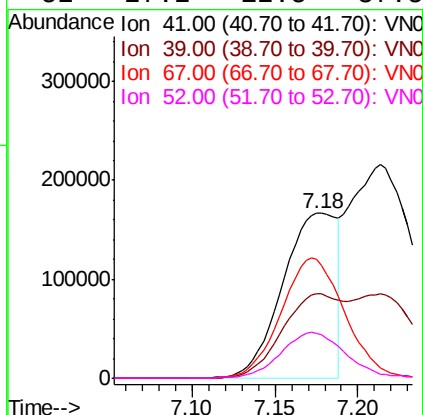
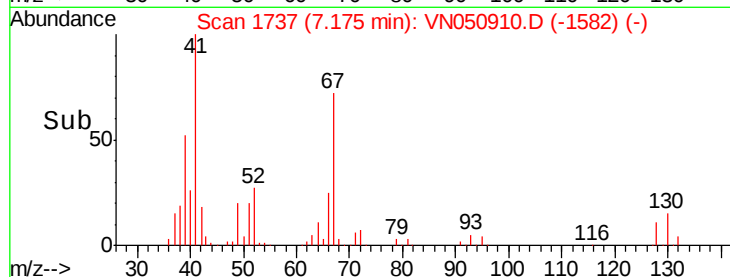
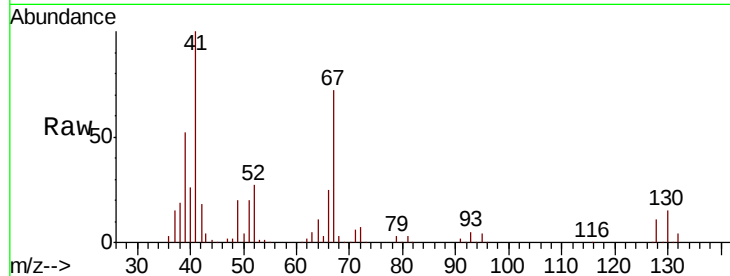
#35
Methacrylonitrile
Concen: 106.13 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	26.2	78.5	
67	72.3	33.9	101.6	
52	27.2	12.5	37.5	

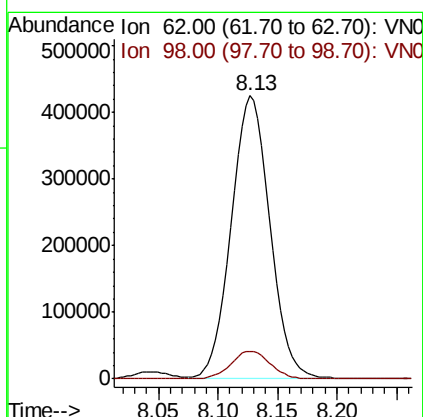
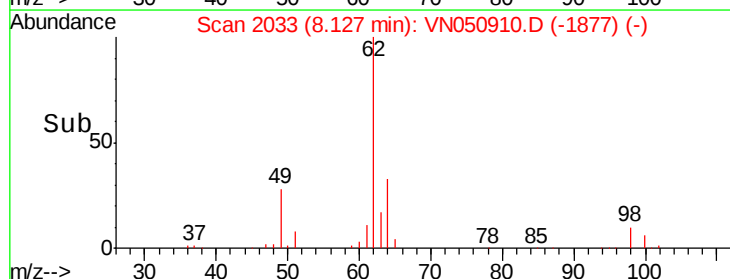
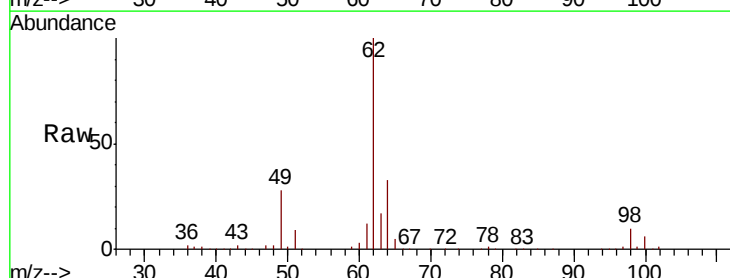
Manual Integrations
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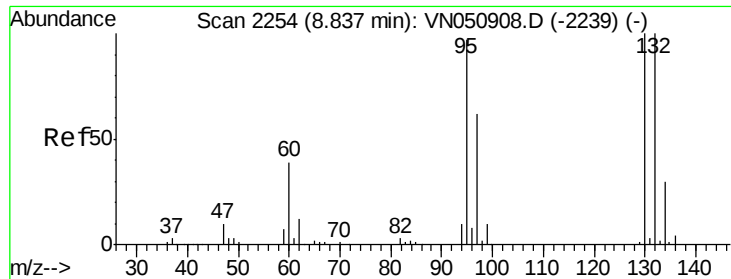
MMDadoda
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#36
1,2-Dichloroethane
Concen: 96.00 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	8.0	12.0	





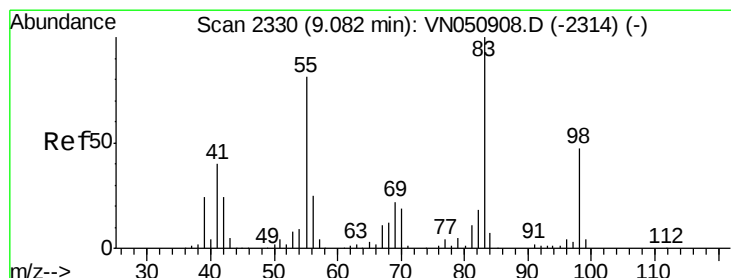
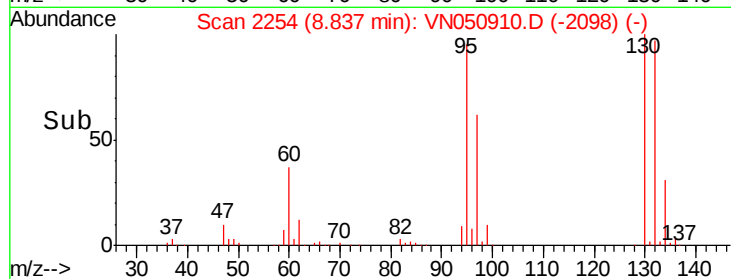
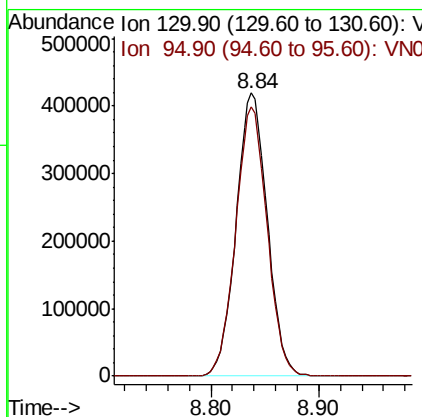
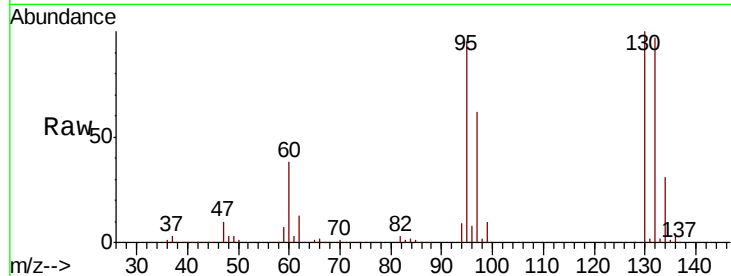
#37
 Trichloroethene
 Concen: 98.39 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 844269
 Ion Ratio Lower Upper
 130 100
 95 95.2 77.4 116.0

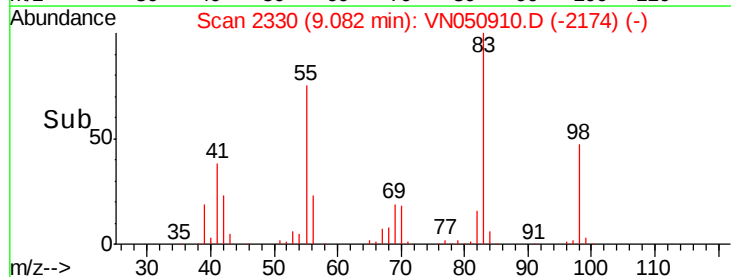
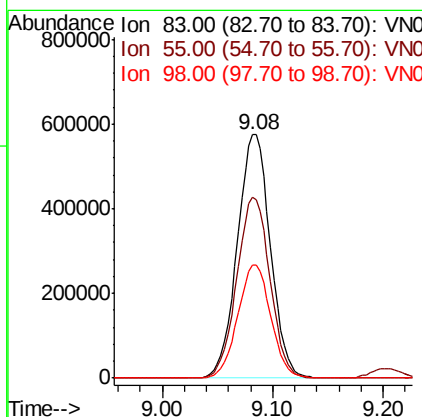
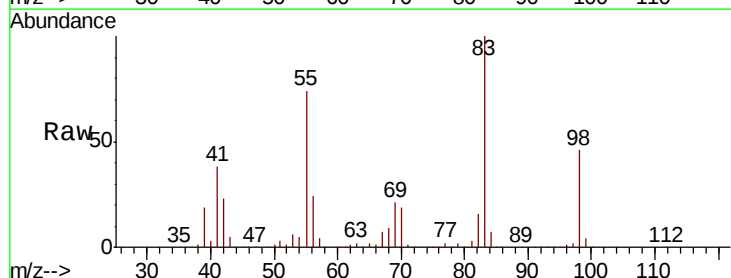
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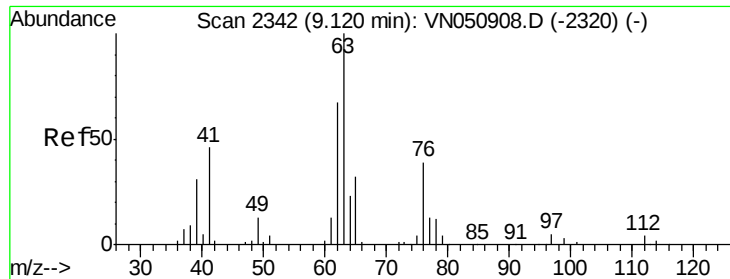
MMDadoda
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#38
 Methylcyclohexane
 Concen: 104.64 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion: 83 Resp: 1192740
 Ion Ratio Lower Upper
 83 100
 55 74.5 38.9 116.7
 98 46.5 22.9 68.7





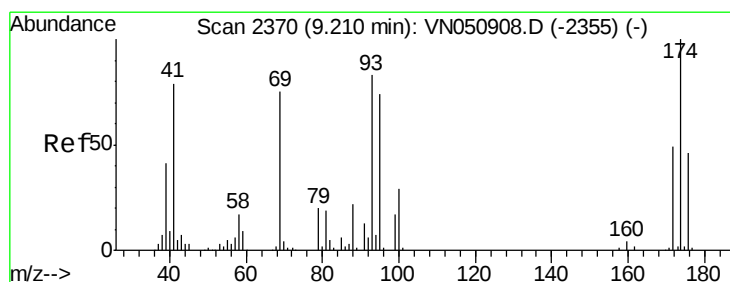
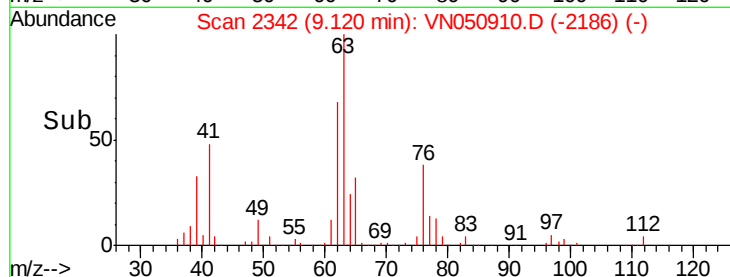
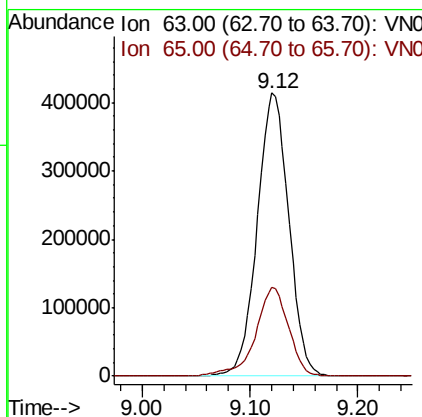
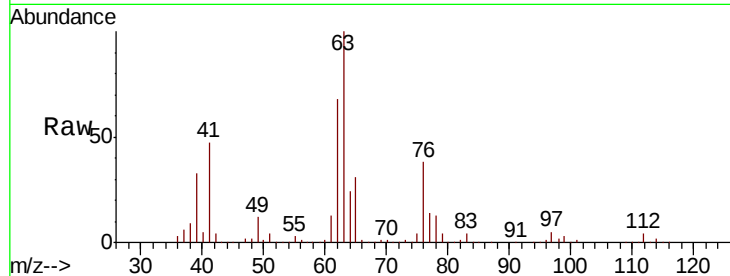
#39
 1,2-Dichloropropane
 Concen: 98.13 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 841455
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4

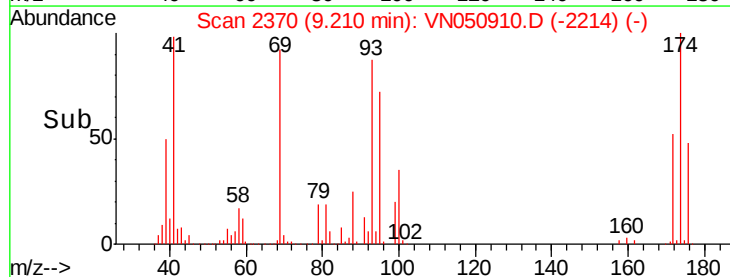
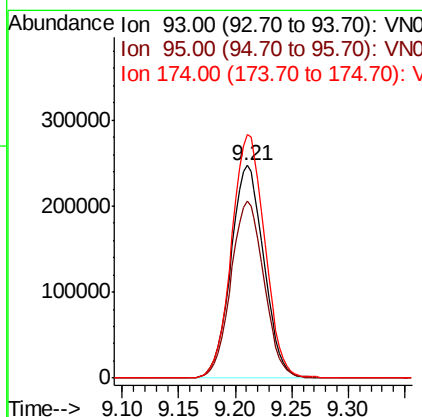
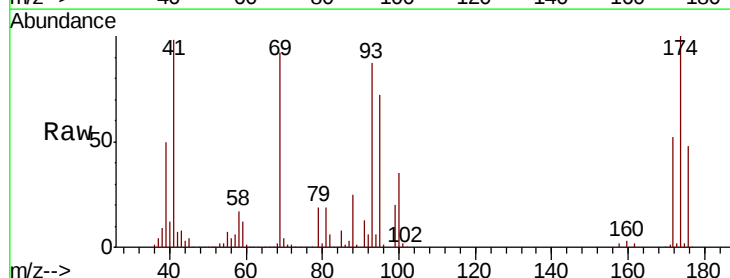
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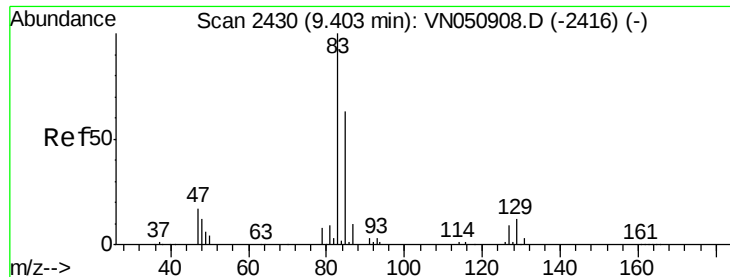
MMDadoda
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#40
 Dibromomethane
 Concen: 97.40 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion: 93 Resp: 503089
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 173.4
 174 115.4 0.0 234.8





#41

Bromodichloromethane

Concen: 98.09 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1068032

Ion Ratio Lower Upper

83 100

85 64.6 50.6 76.0

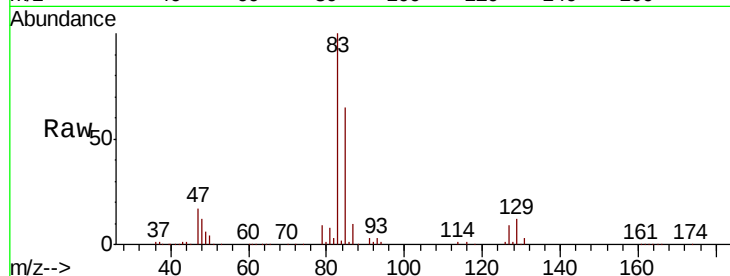
127 9.1 7.1 10.7

Manual Integrations

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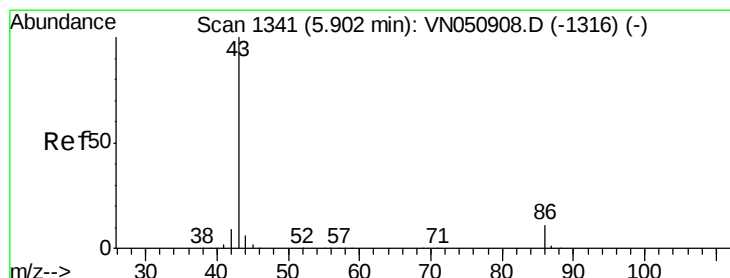
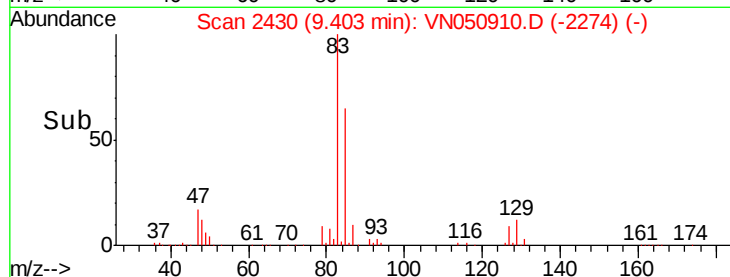


Abundance Ion 83.00 (82.70 to 83.70): VN050910.D (-2274) (-)

Ion 85.00 (84.70 to 85.70): VN050910.D (-2274) (-)

Ion 127.00 (126.70 to 127.70): VN050910.D (-2274) (-)

Time-->



#42

Vinyl Acetate

Concen: 515.32 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050910.D

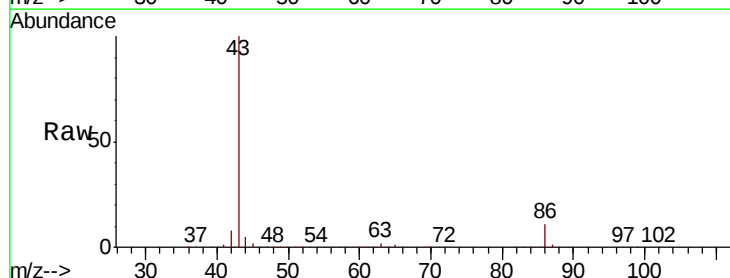
Acq: 28 Aug 2018 13:15

Tgt Ion: 43 Resp: 7749349

Ion Ratio Lower Upper

43 100

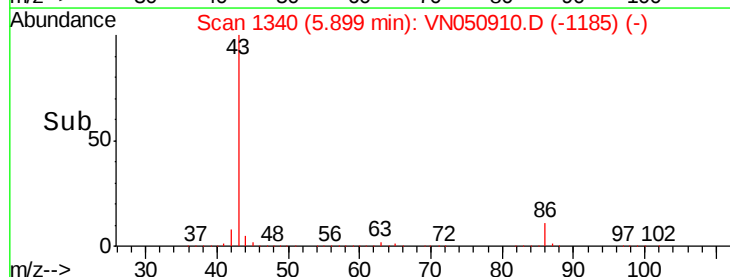
86 9.4 7.2 10.8

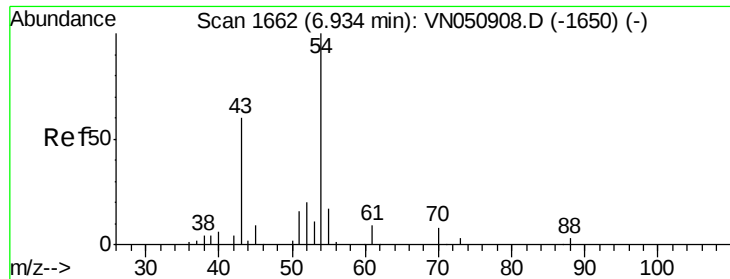


Abundance Ion 43.00 (42.70 to 43.70): VN050910.D (-1185) (-)

Ion 86.00 (85.70 to 86.70): VN050910.D (-1185) (-)

Time-->





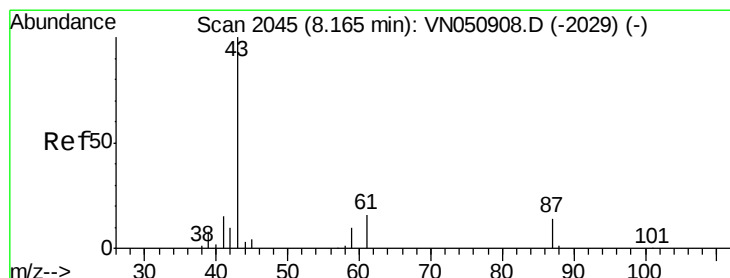
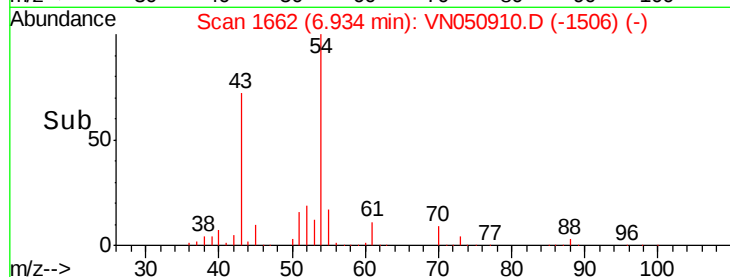
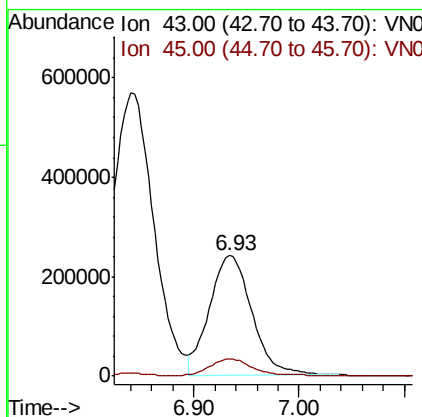
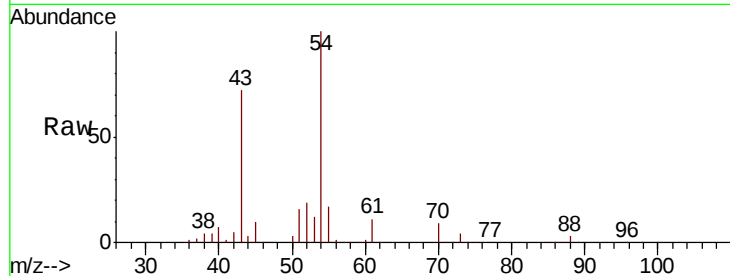
#43
Ethyl Acetate
Concen: 100.64 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 673069
Ion Ratio Lower Upper
43 100
45 14.9 10.2 15.2

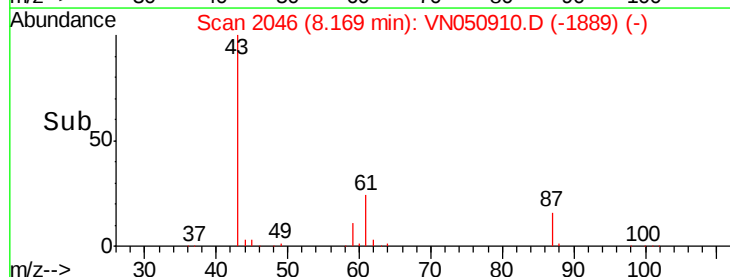
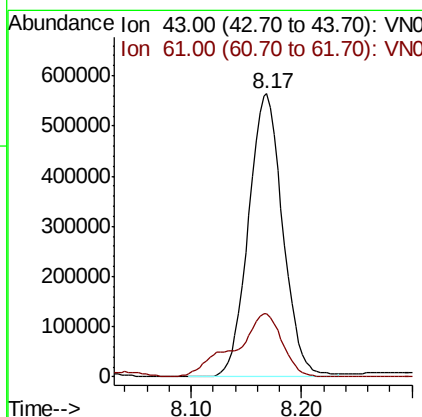
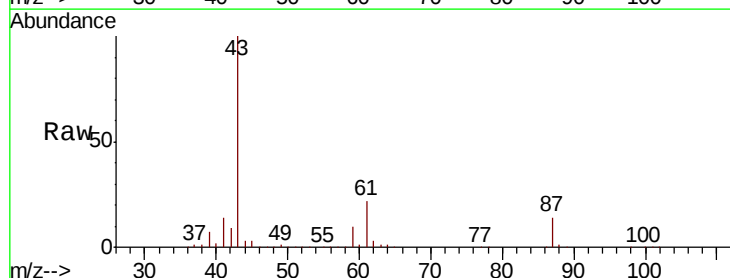
Manual Integrations
APPROVED

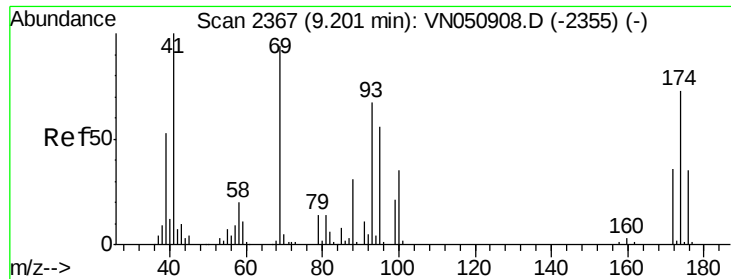
MMDadoda
8/29/2018 11:10:01 AM



#44
Isopropyl Acetate
Concen: 102.64 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion: 43 Resp: 1211367
Ion Ratio Lower Upper
43 100
61 21.8 16.3 24.5





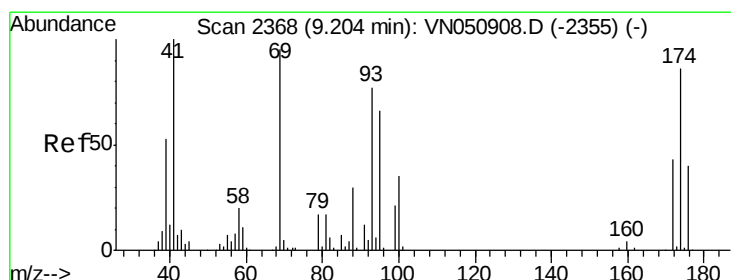
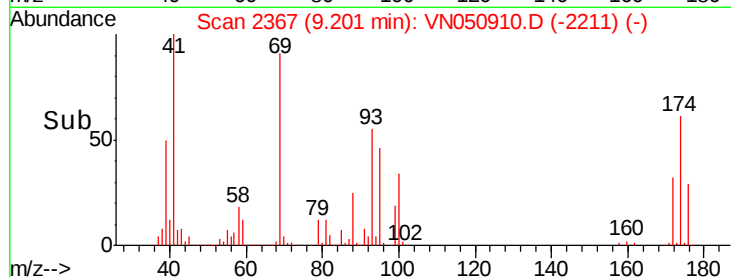
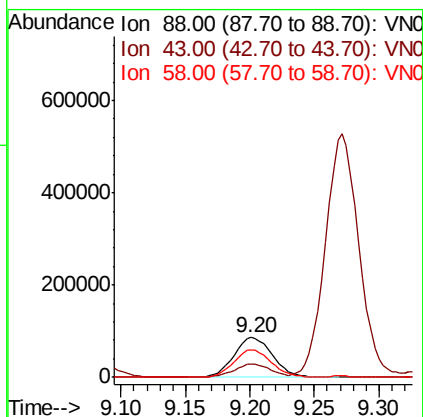
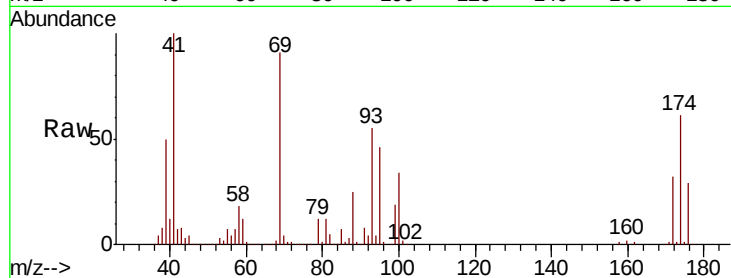
#45
1,4-Dioxane
Concen: 2049.14 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	179645		
43	31.1	23.5	35.3	
58	68.0	55.2	82.8	

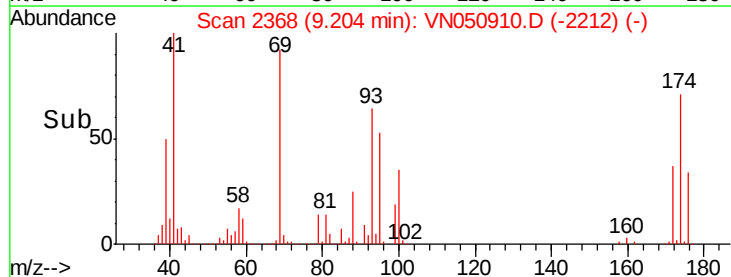
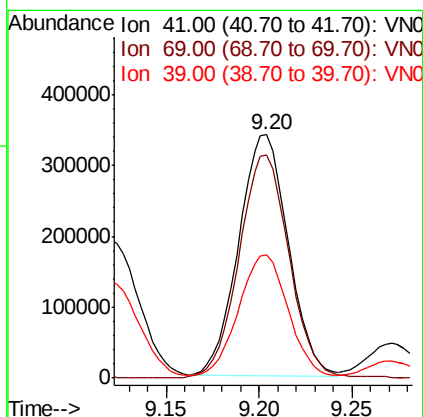
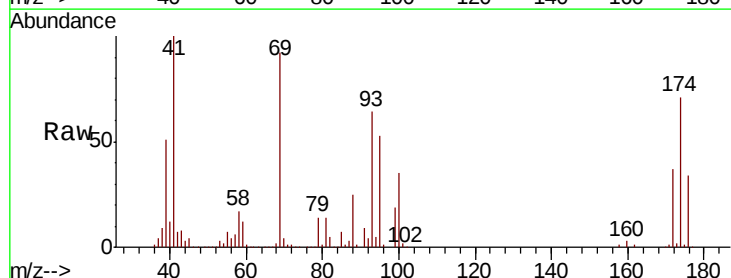
Manual Integrations
APPROVED

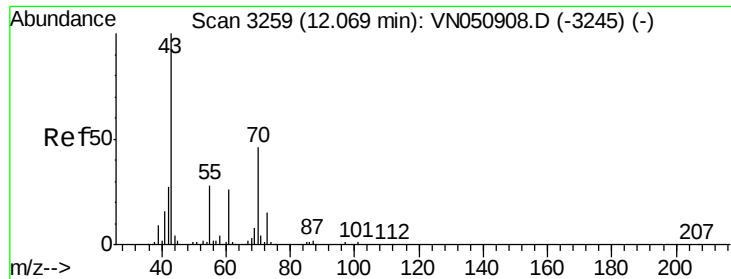
MMDadoda
8/29/2018 11:10:01 AM



#46
Methyl methacrylate
Concen: 106.30 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	628322		
69	92.3	47.4	142.2	
39	50.2	26.6	79.7	





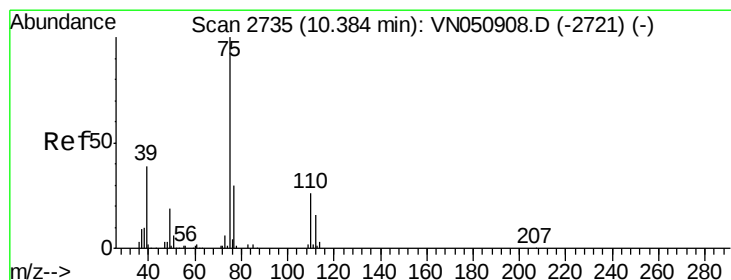
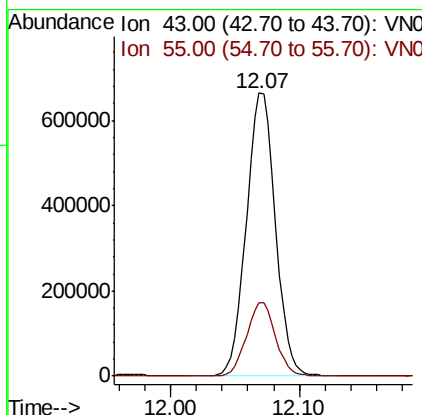
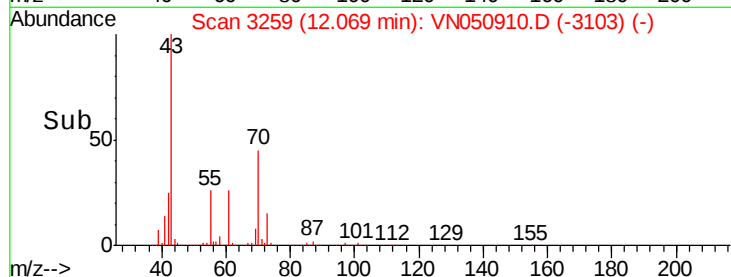
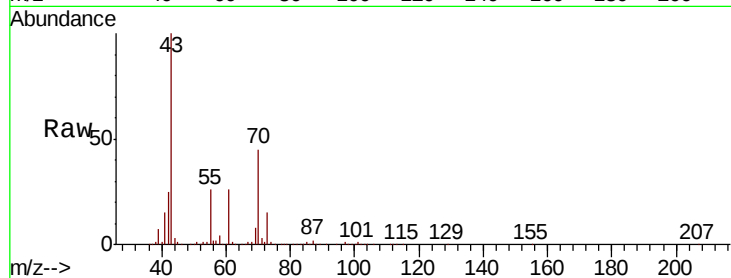
#47
n-amvl Acetate
Concen: 109.99 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1043638
Ion Ratio Lower Upper
43 100
55 26.0 23.0 34.4

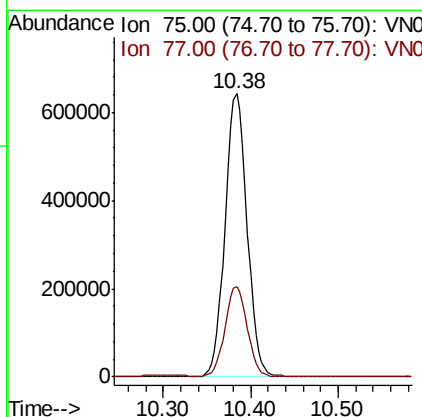
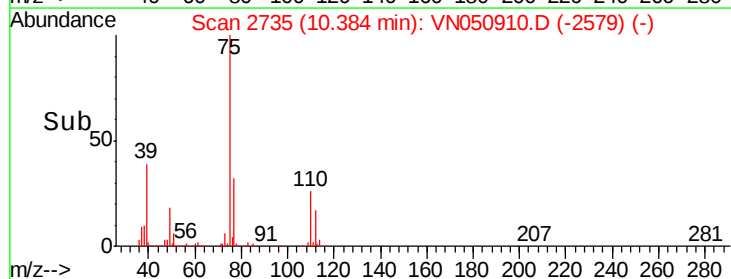
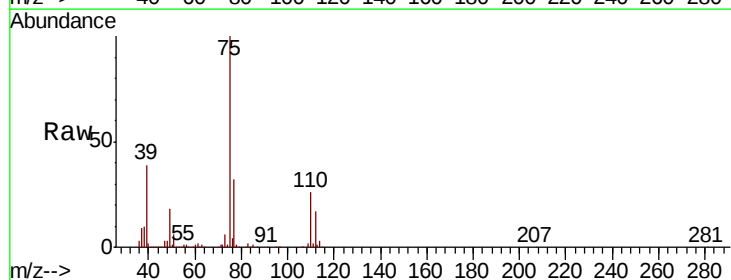
Manual Integrations
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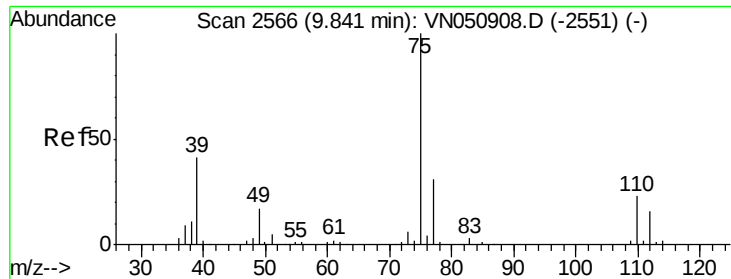
MMDadoda
8/29/2018 11:10:01 AM



#48
t-1,3-Dichloropropene
Concen: 105.39 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion: 75 Resp: 1124865
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2





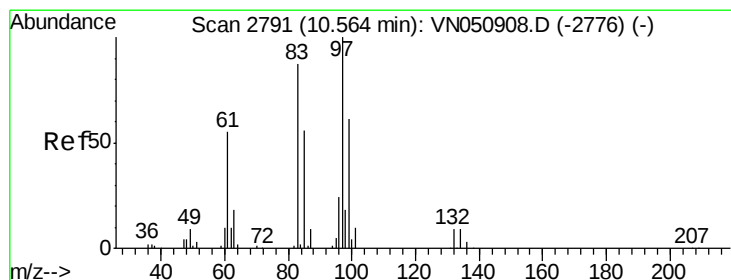
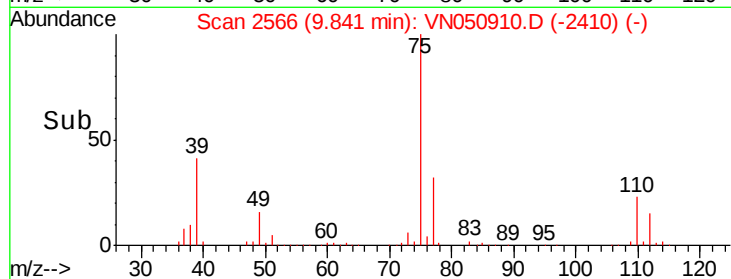
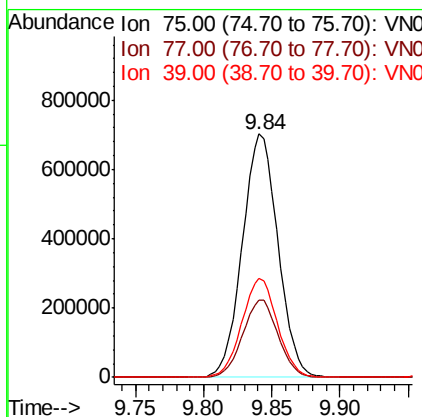
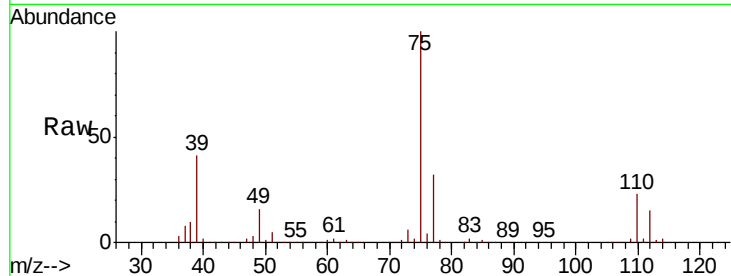
#49
 cis-1,3-Dichloropropene
 Concen: 103.91 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	40.6	32.9	49.3

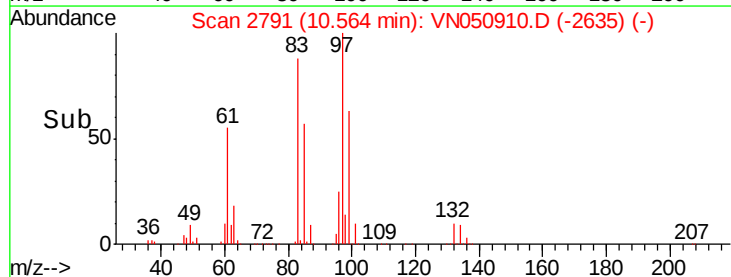
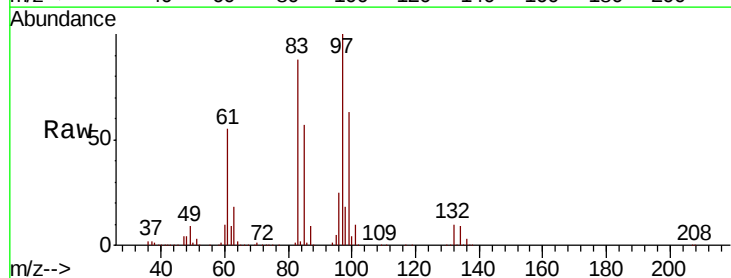
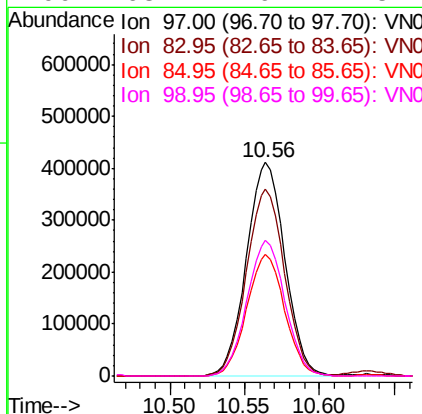
Manual Integrations
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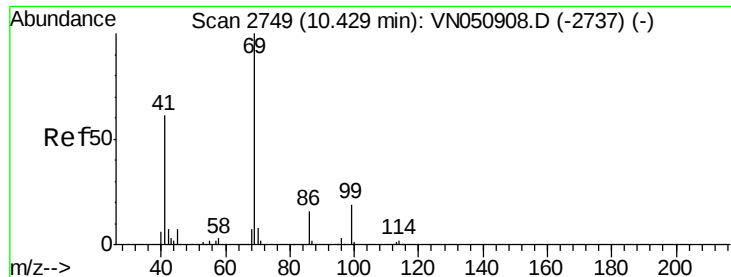
MMDadoda
 8/29/2018 11:10:01 AM



#50
 1,1,2-Trichloroethane
 Concen: 97.98 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.8	104.6
85	56.7	45.0	67.6
99	63.4	49.1	73.7





#51

Ethyl methacrylate

Concen: 107.25 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

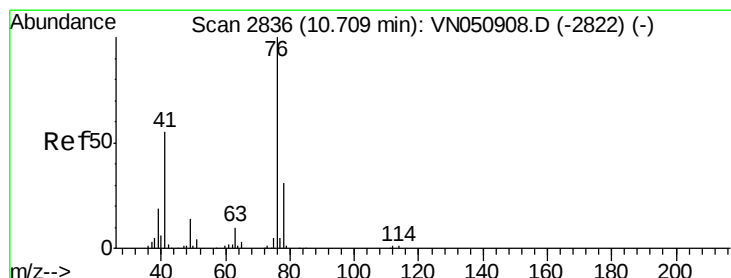
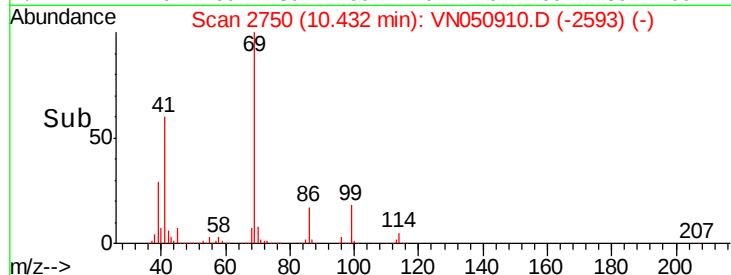
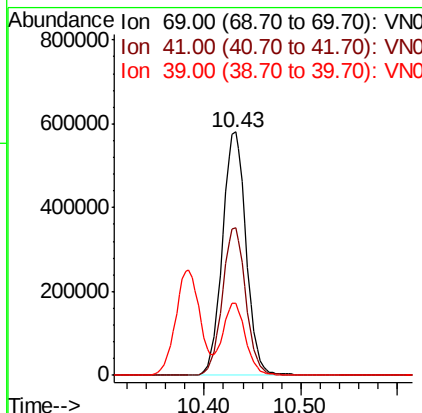
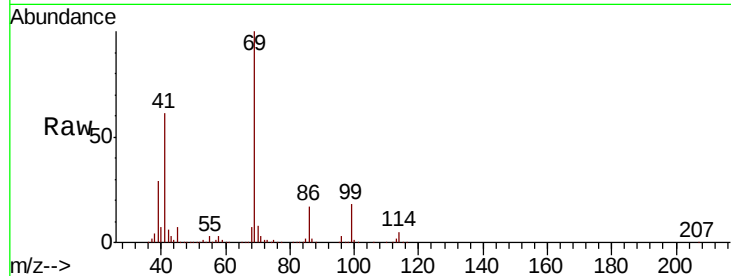
ClientSampled :

VSTDIC100

Tot Ion:	69	Resp:	984854
Ion	Ratio	Lower	Upper
69	100		
41	60.5	30.5	91.5
39	29.3	15.3	45.8

Manual Integrations
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8/29/2018 11:10:01 AM



#52

1,3-Dichloropropane

Concen: 99.37 ug/l

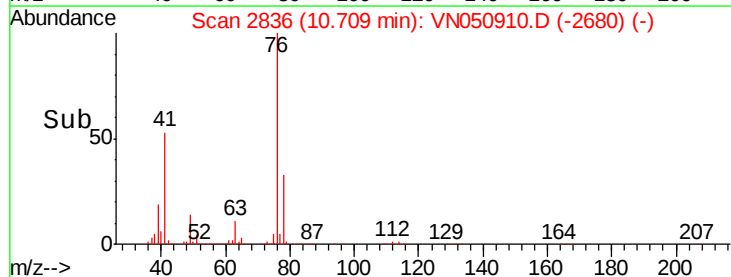
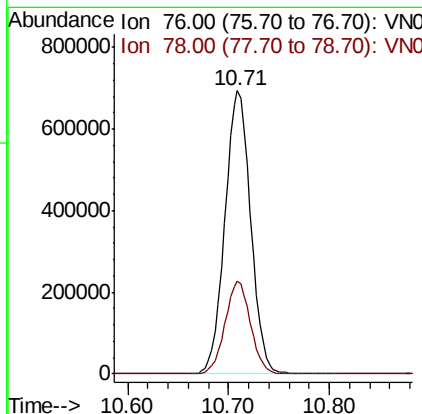
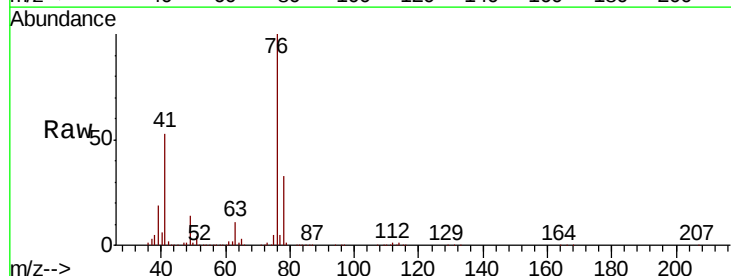
RT: 10.71 min Scan# 2836

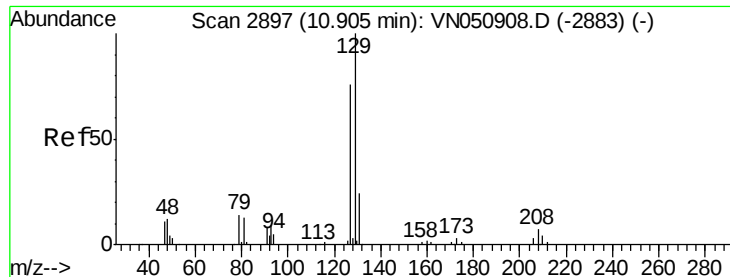
Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Tgt Ion:	76	Resp:	1235356
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	63.4





#53

Dibromochloromethane

Concen: 100.23 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:129 Resp: 855384

Ion Ratio Lower Upper

129 100

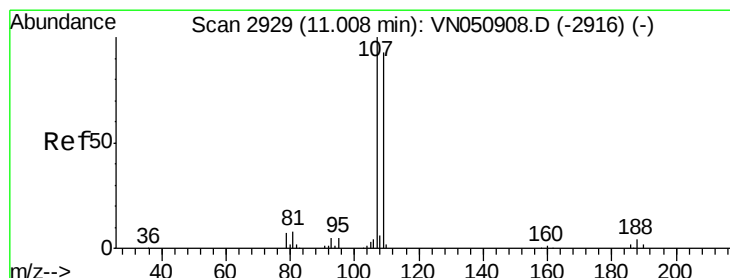
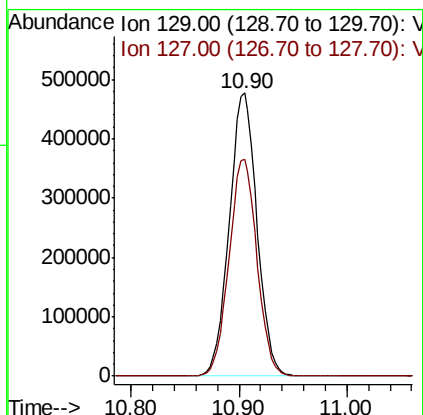
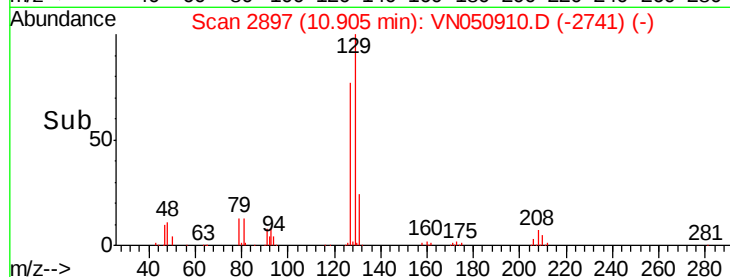
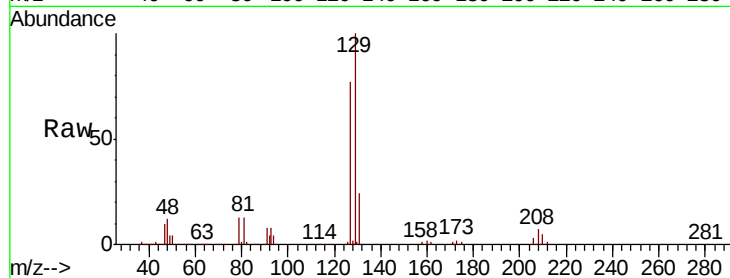
127 77.1 39.0 116.9

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 100.28 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050910.D

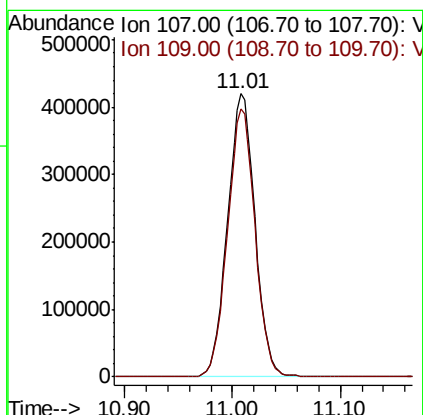
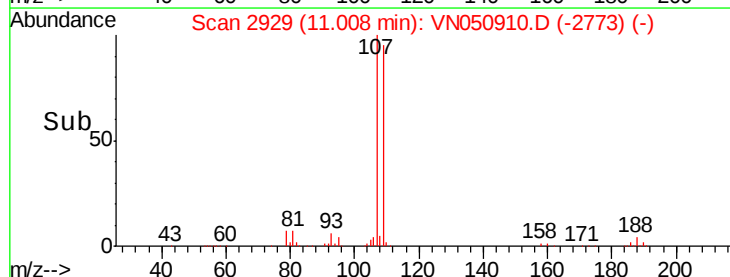
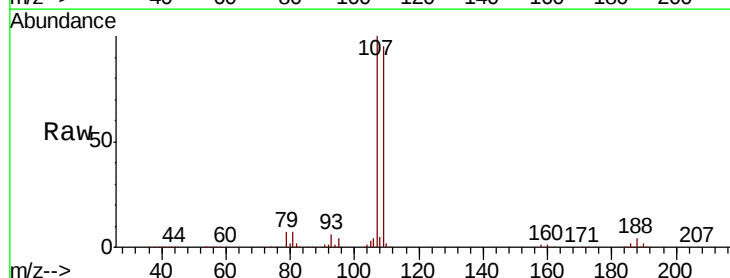
Acq: 28 Aug 2018 13:15

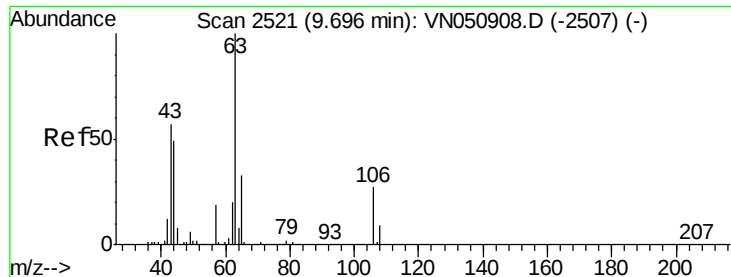
Tgt Ion:107 Resp: 744148

Ion Ratio Lower Upper

107 100

109 94.9 74.4 111.6





#55

2-Chloroethyl vinyl ether

Concen: 546.77 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 2089052

Ion Ratio Lower Upper

63 100

65 32.2 25.4 38.2

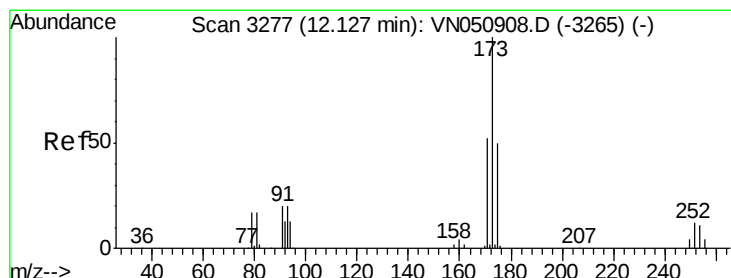
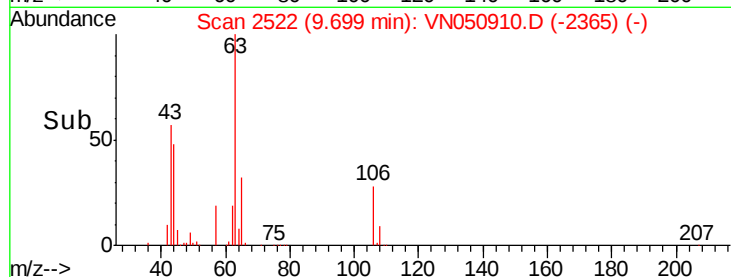
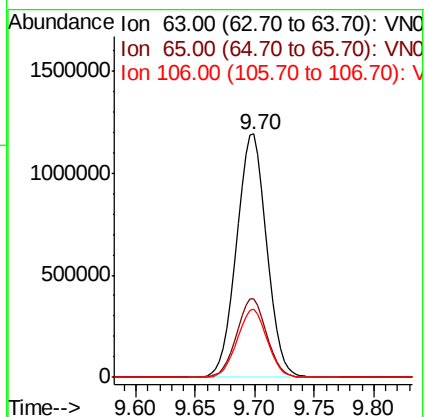
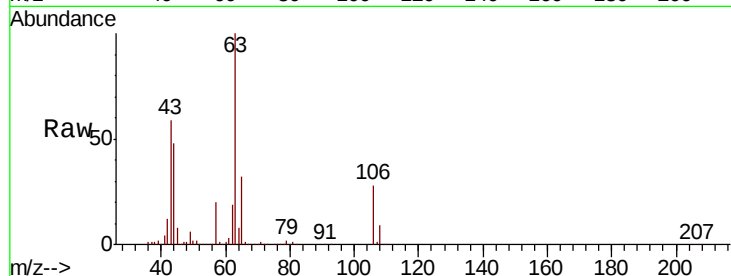
106 27.9 22.0 33.0

Manual Integrations

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8/29/2018 11:10:01 AM



#56

Bromoform

Concen: 103.02 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

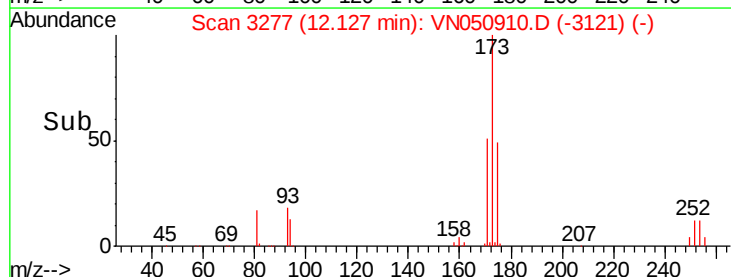
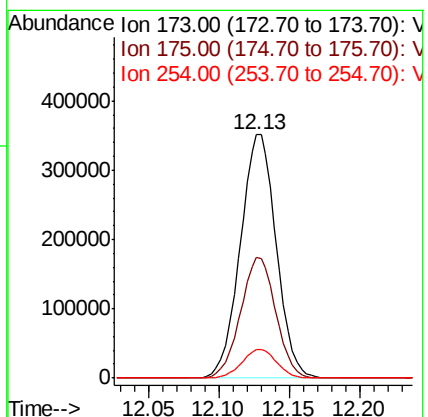
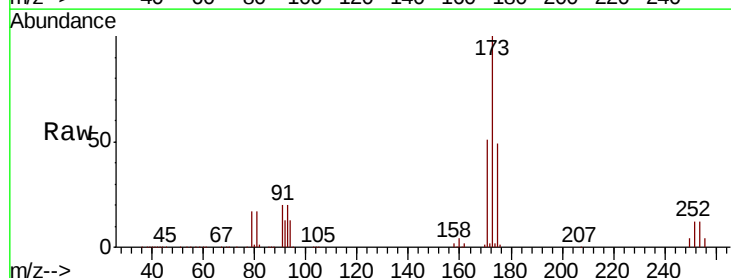
Tgt Ion: 173 Resp: 625289

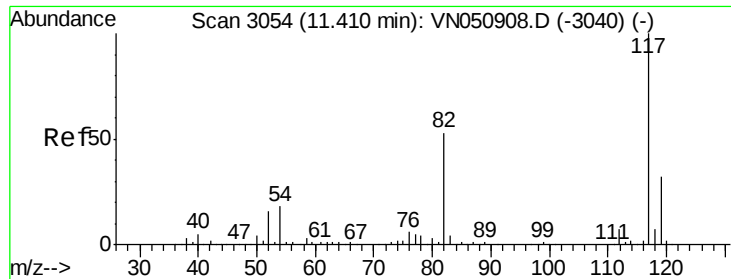
Ion Ratio Lower Upper

173 100

175 48.7 39.2 58.8

254 11.6 9.0 13.6





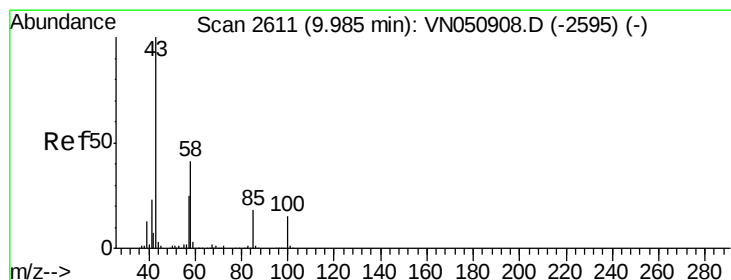
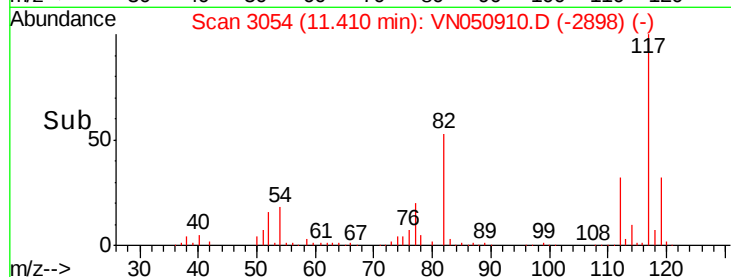
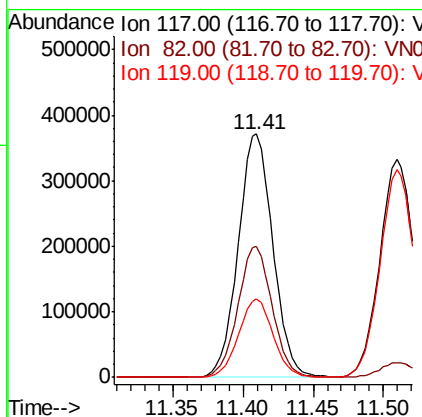
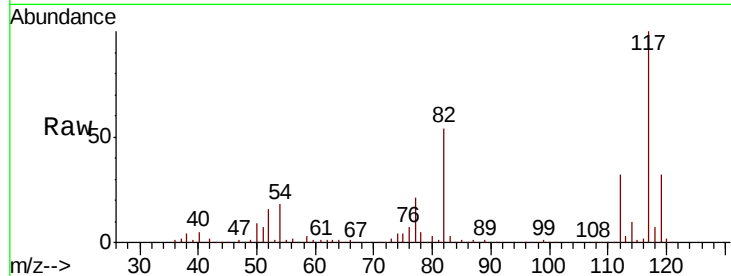
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	32.1	25.7	38.5

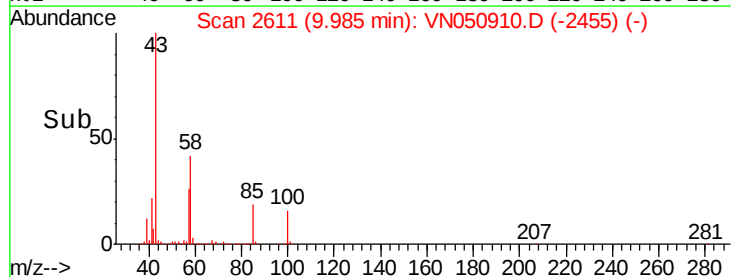
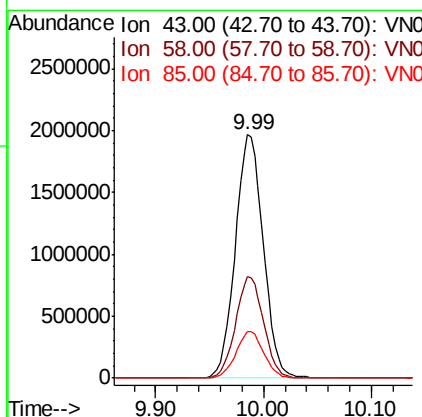
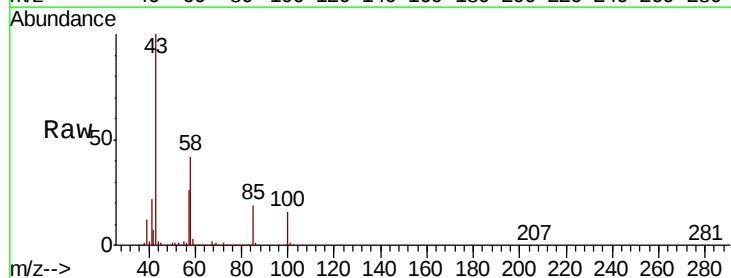
Manual Integrations
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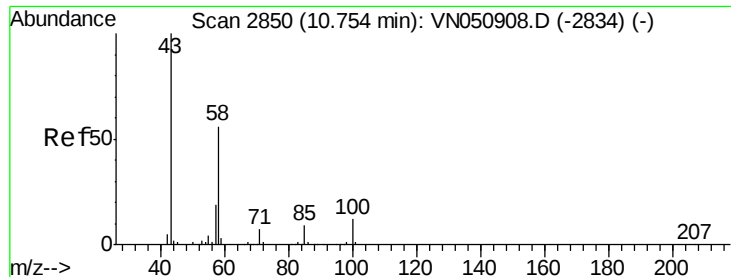
MMDadoda
8/29/2018 11:10:01 AM



#58
4-Methyl-2-Pentanone
Concen: 484.45 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.6	32.3	48.5
85	19.0	14.9	22.3





#59

2-Hexanone

Concen: 500.63 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 2398418

Ion Ratio Lower Upper

43 100

58 58.3 45.5 68.3

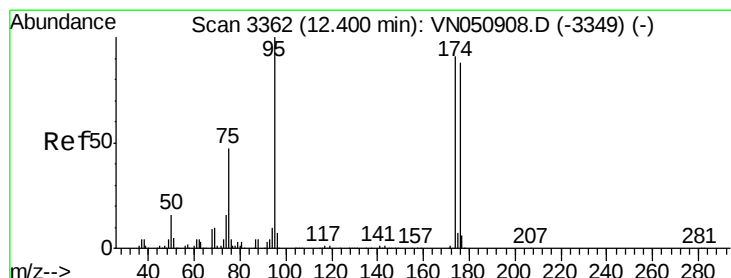
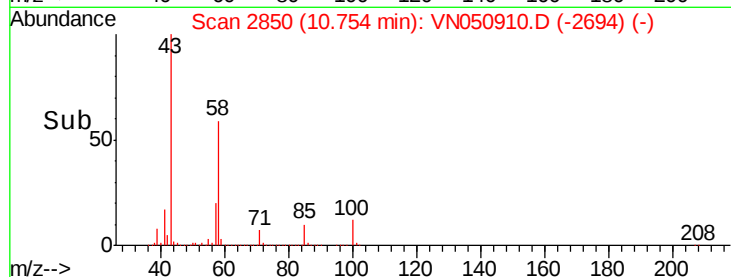
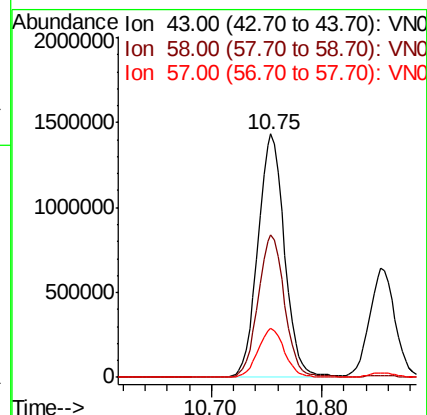
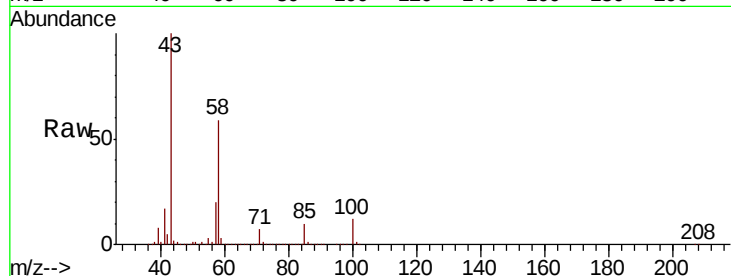
57 19.9 15.2 22.8

Manual Integrations

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MMDadoda

8/29/2018 11:10:01 AM



#60

4-Bromofluorobenzene

Concen: 30.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

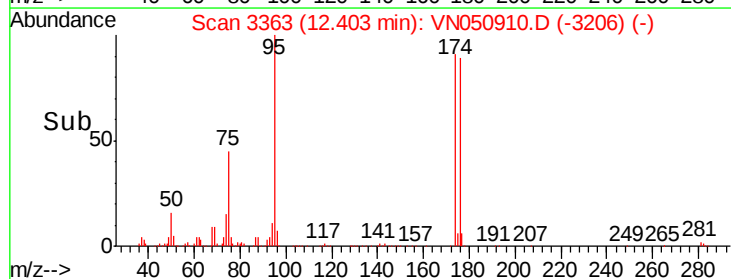
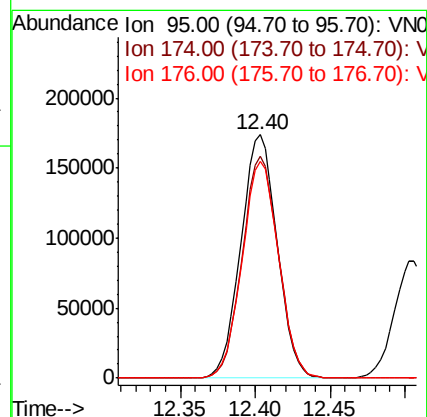
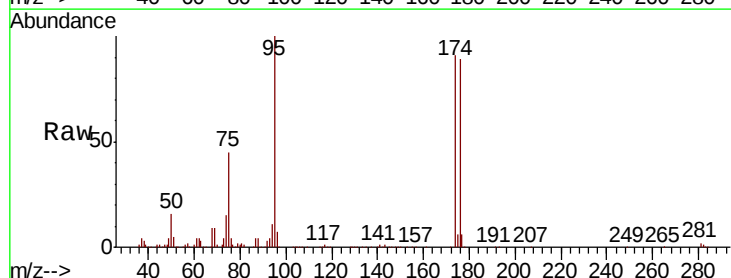
Tgt Ion: 95 Resp: 293201

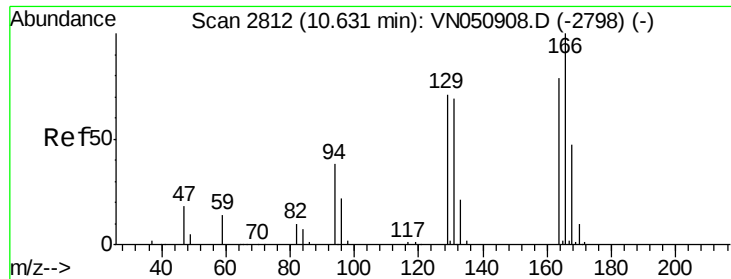
Ion Ratio Lower Upper

95 100

174 91.0 74.6 112.0

176 89.6 71.5 107.3





#61

Tetrachloroethene

Concen: 96.05 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 766752

Ion Ratio Lower Upper

164 100

166 127.4 100.6 151.0

129 89.7 71.0 106.6

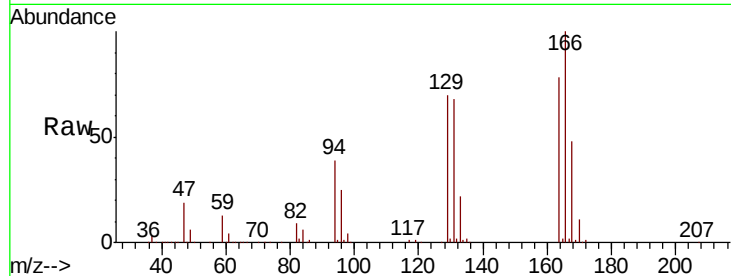
131 86.9 69.3 103.9

Manual Integrations

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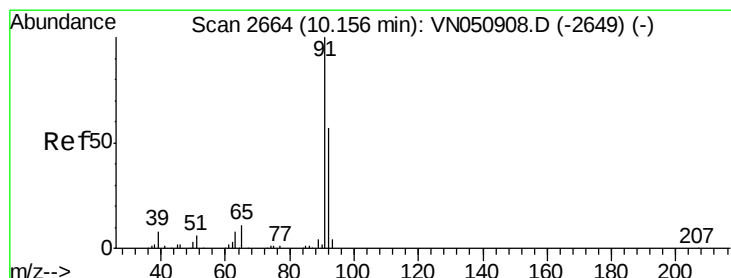
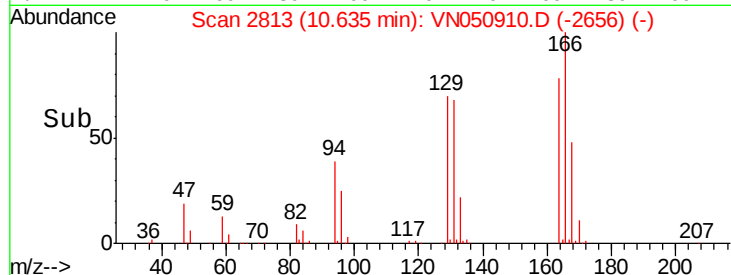
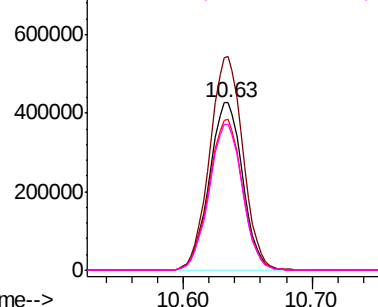


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 98.04 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050910.D

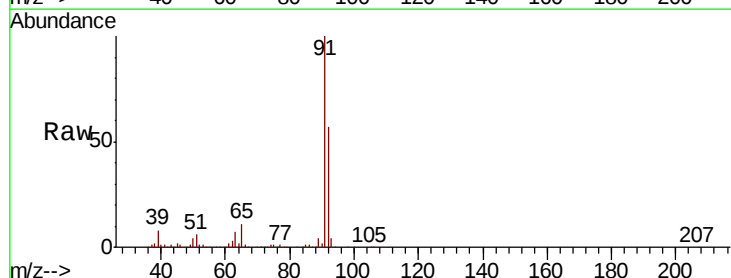
Acq: 28 Aug 2018 13:15

Tgt Ion: 91 Resp: 3503871

Ion Ratio Lower Upper

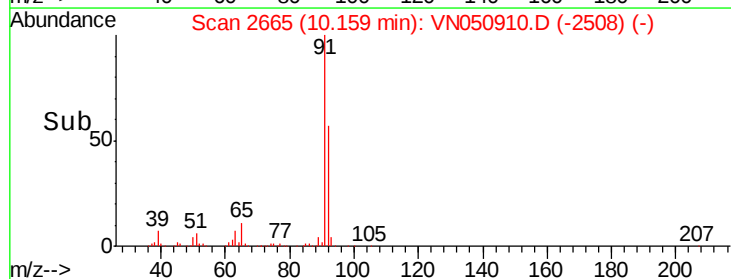
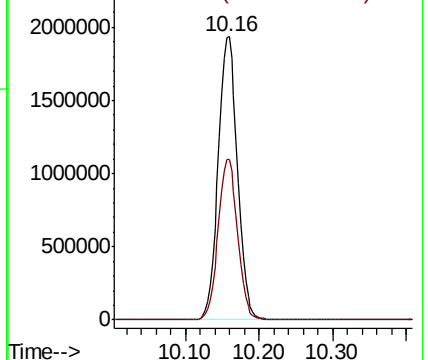
91 100

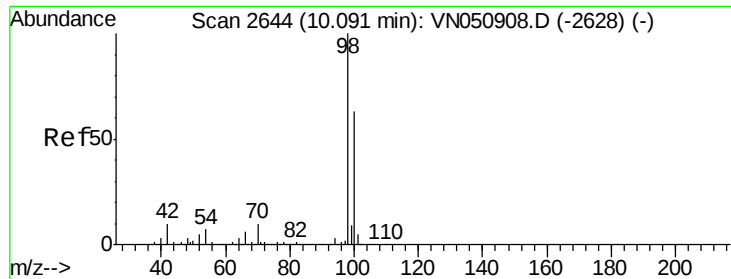
92 57.2 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 29.53 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 98 Resp: 882025

Ion Ratio Lower Upper

98 100

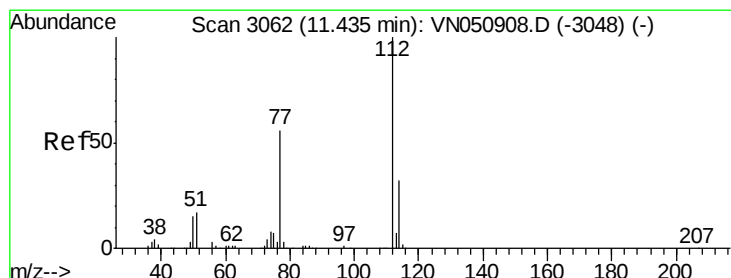
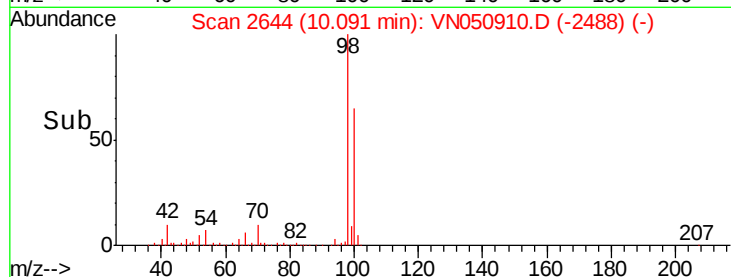
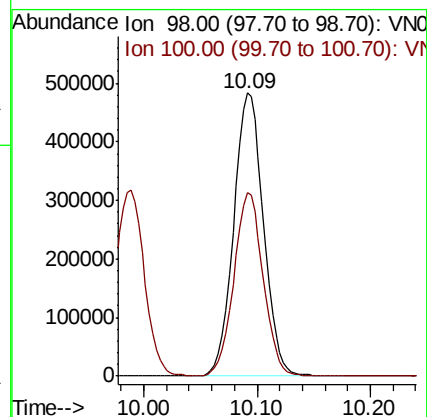
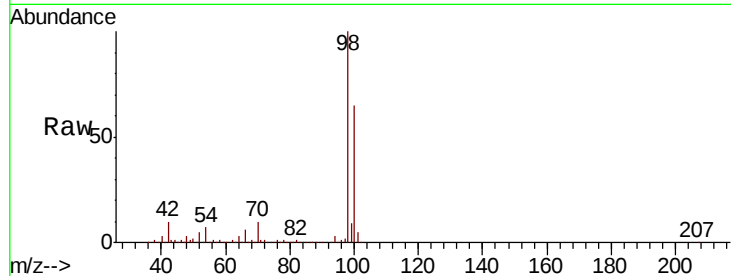
100 63.5 50.6 75.8

Manual Integrations

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#64

Chlorobenzene

Concen: 99.26 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050910.D

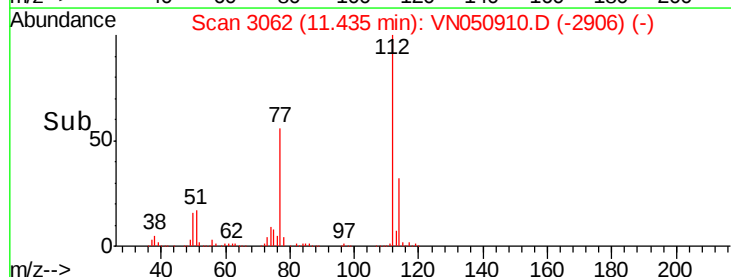
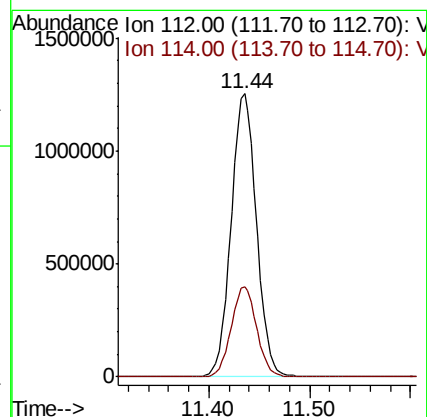
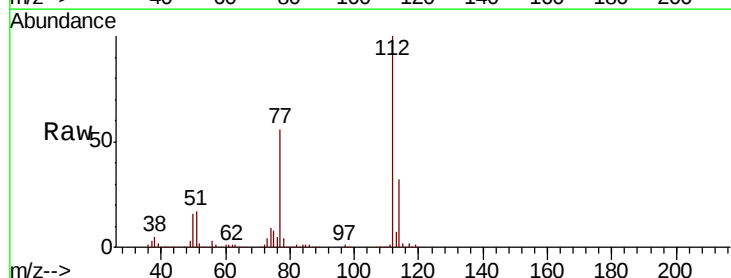
Acq: 28 Aug 2018 13:15

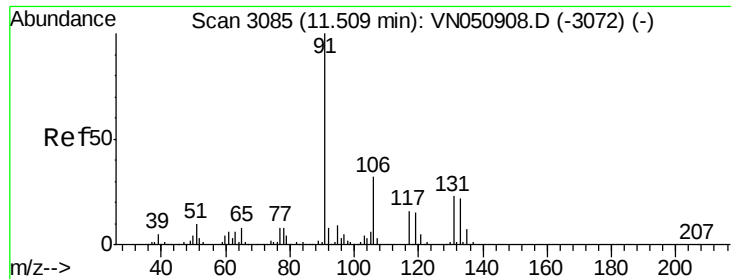
Tgt Ion: 112 Resp: 2198545

Ion Ratio Lower Upper

112 100

114 32.0 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 98.17 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

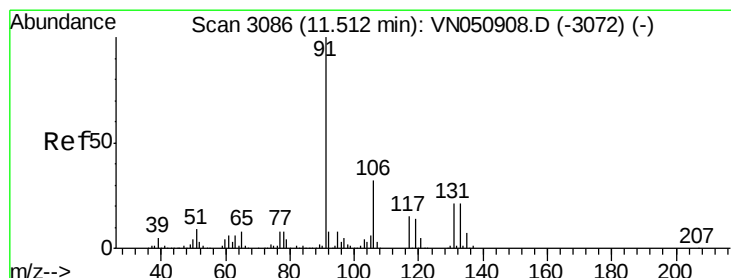
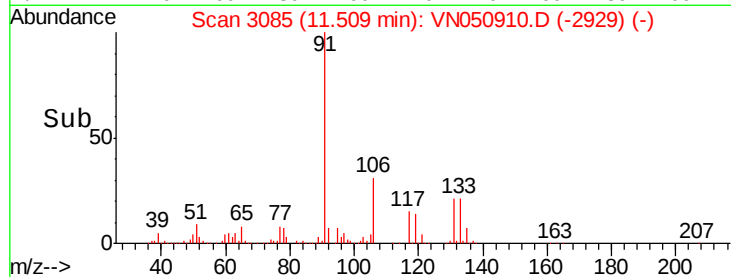
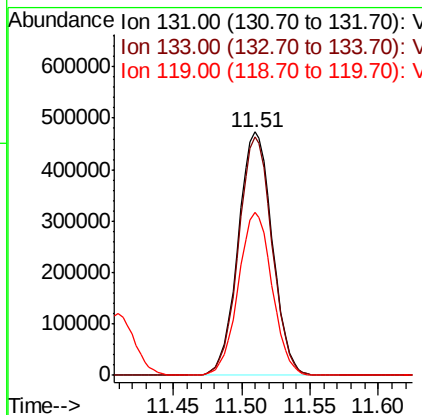
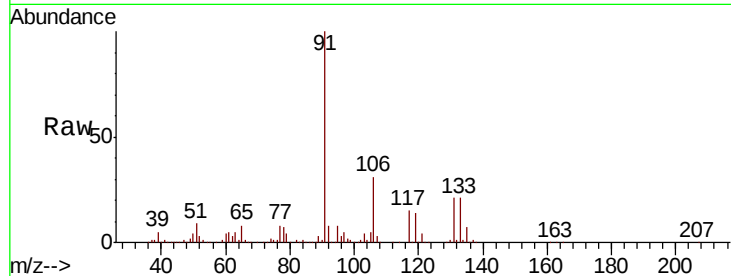
ClientSampled :

VSTDIC100

Tot Ion:	131	Resp:	820981
Ion Ratio	Lower	Upper	
131	100		
133	96.4	0.0	189.4
119	66.1	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 103.16 ug/l

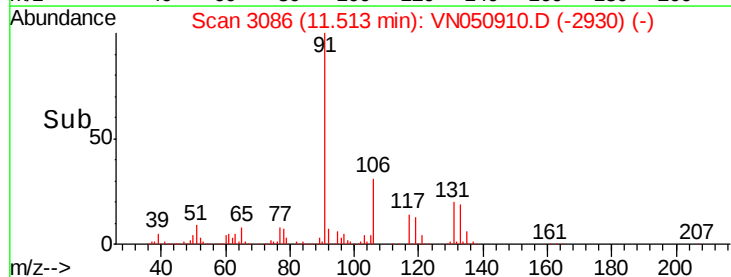
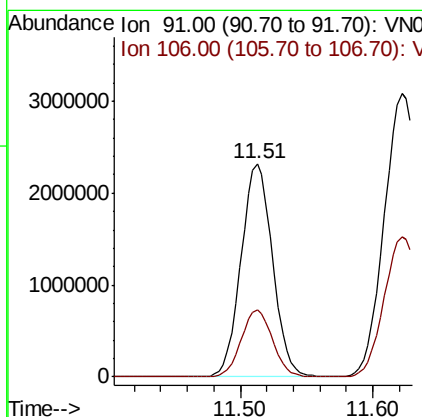
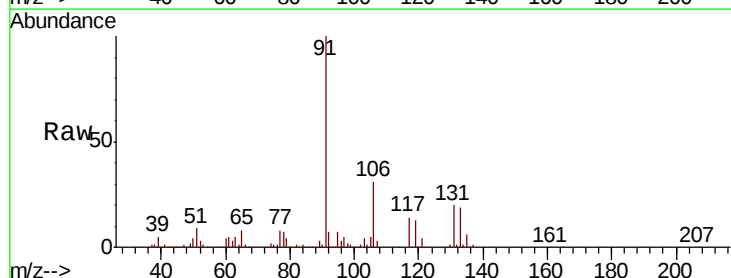
RT: 11.51 min Scan# 3086

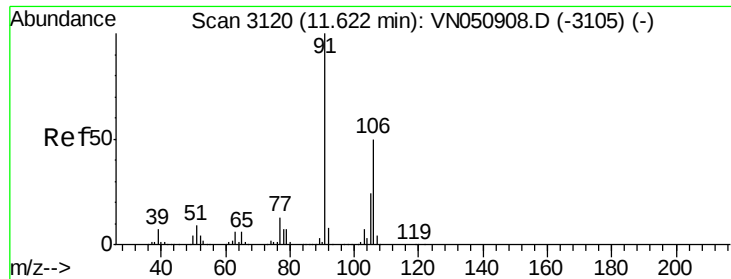
Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Tgt Ion:	91	Resp:	3818701
Ion Ratio	Lower	Upper	
91	100		
106	31.3	25.7	38.5





#67

m/p-Xvlenes

Concen: 204.29 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:106 Resp: 2909784

Ion Ratio Lower Upper

106 100

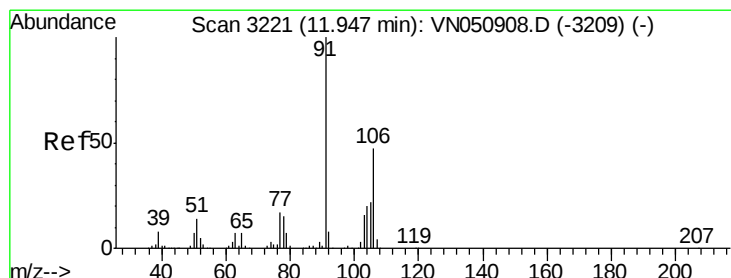
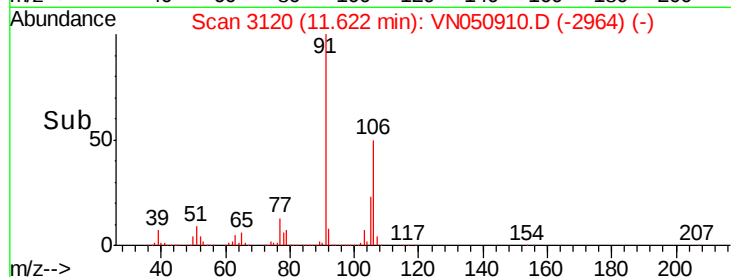
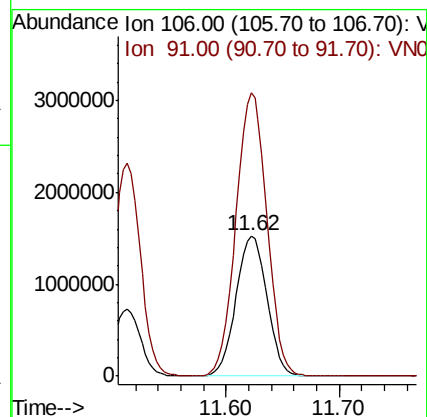
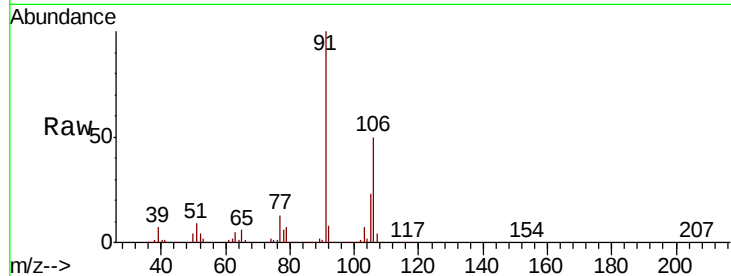
91 201.6 160.6 241.0

Manual Integrations

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MMDadoda

8/29/2018 11:10:01 AM



#68

o-Xylene

Concen: 103.67 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050910.D

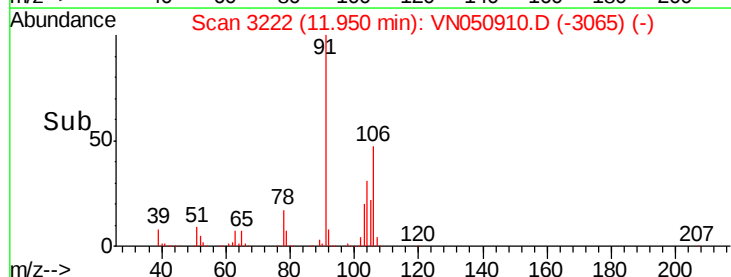
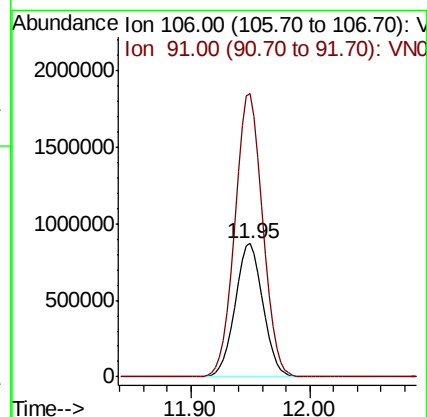
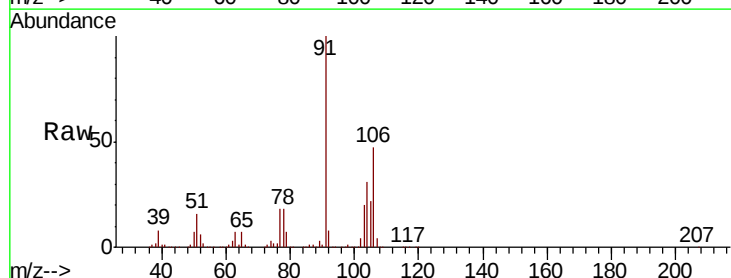
Acq: 28 Aug 2018 13:15

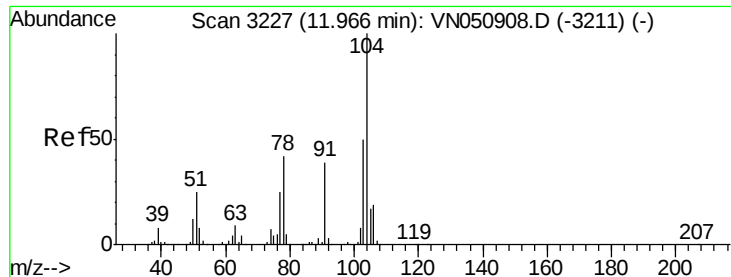
Tgt Ion:106 Resp: 1410918

Ion Ratio Lower Upper

106 100

91 212.5 106.4 319.2





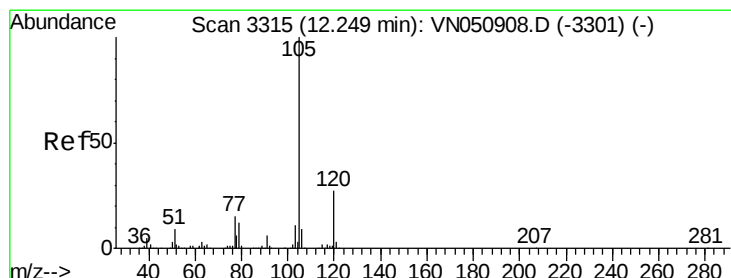
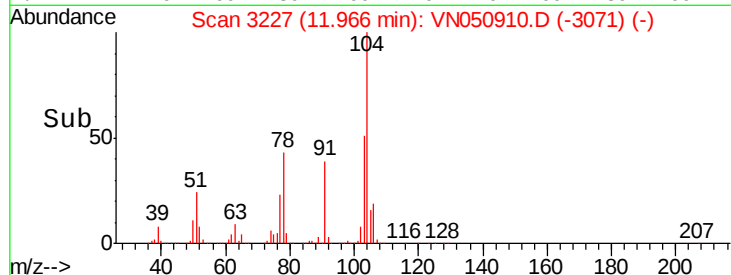
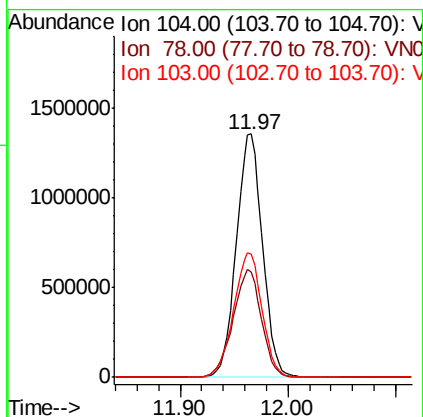
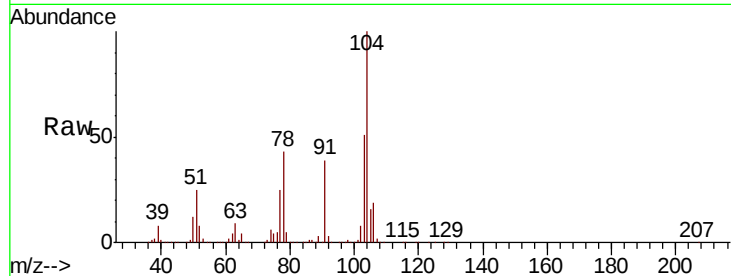
#69
Stvrene
Concen: 105.47 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.6	58.0
103	55.6	45.4	68.2

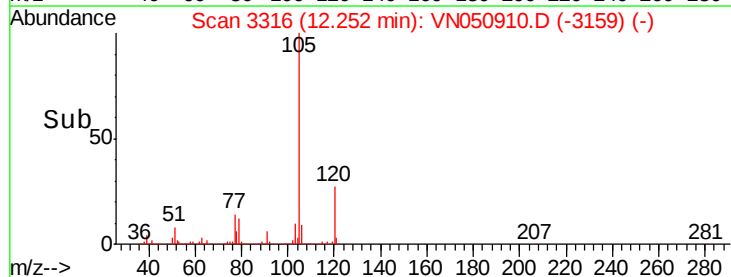
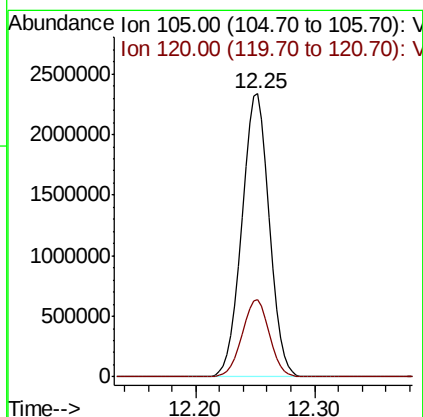
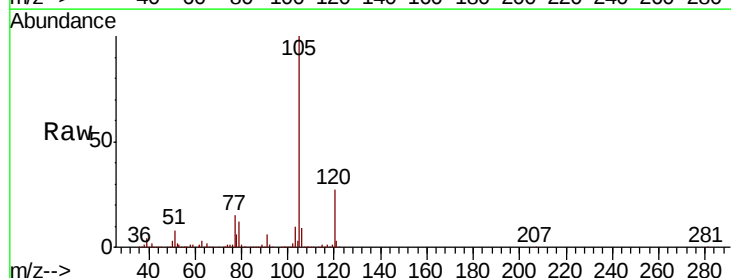
Manual Integrations
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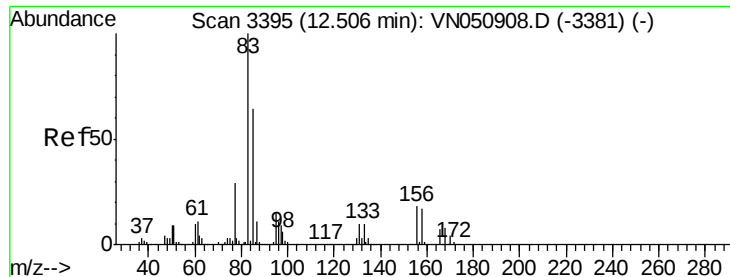
MMDadoda
8/29/2018 11:10:01 AM



#70
Isopropylbenzene
Concen: 103.03 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 96.97 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 949429

Ion Ratio Lower Upper

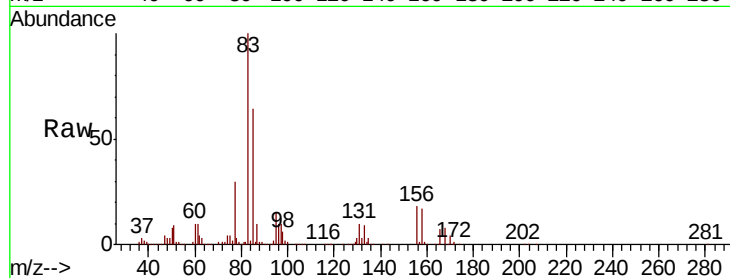
83 100

131 10.7 5.3 15.9

85 64.1 32.3 96.9

Manual Integrations
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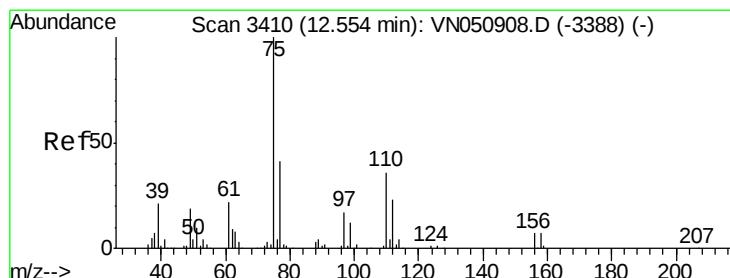
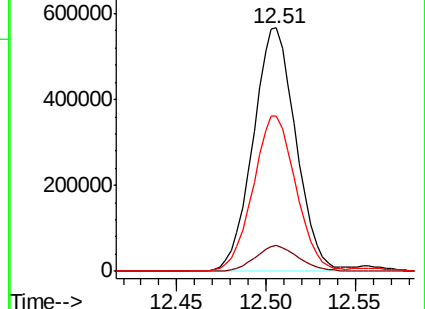
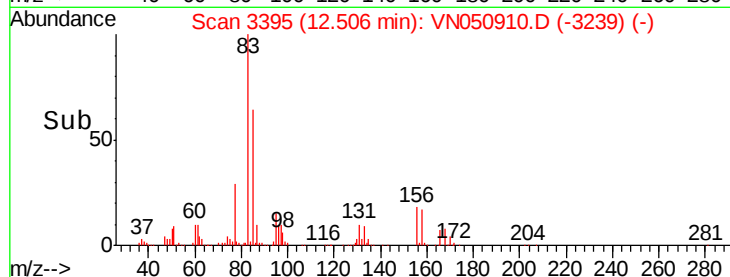


Abundance Ion 83.00 (82.70 to 83.70): VN050910.D (-3239) (-)

Ion 131.00 (130.70 to 131.70): VN050910.D (-3239) (-)

Ion 85.00 (84.70 to 85.70): VN050910.D (-3239) (-)

Time-->



#72

1,2,3-Trichloropropane

Concen: 100.65 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050910.D

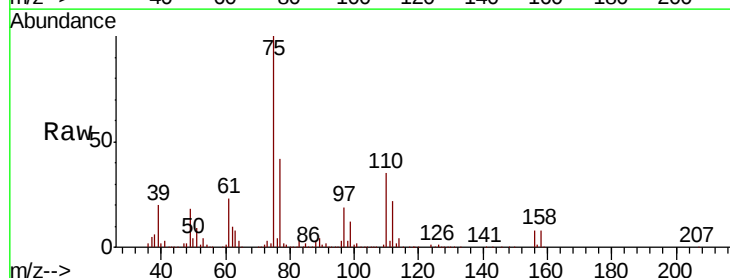
Acq: 28 Aug 2018 13:15

Tgt Ion: 75 Resp: 847584

Ion Ratio Lower Upper

75 100

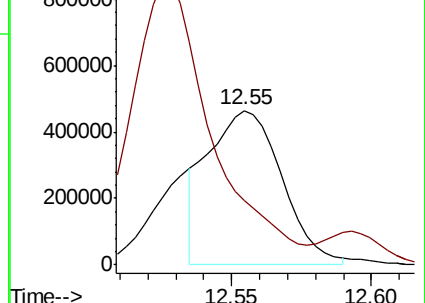
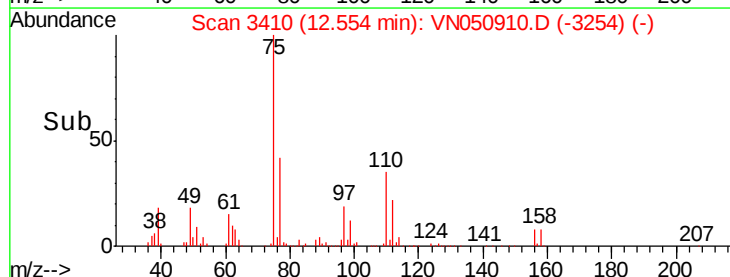
77 202.7 0.0 301.6

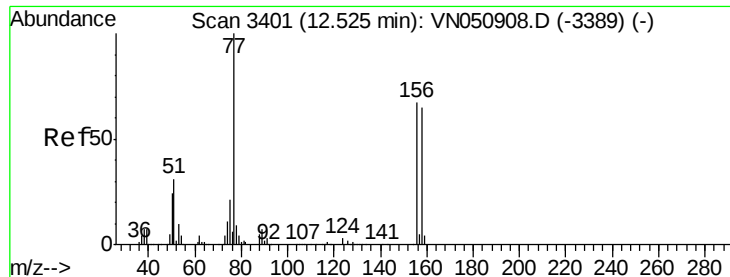


Abundance Ion 75.00 (74.70 to 75.70): VN050910.D (-3254) (-)

Ion 77.00 (76.70 to 77.70): VN050910.D (-3254) (-)

Time-->





#73

Bromobenzene

Concen: 100.44 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

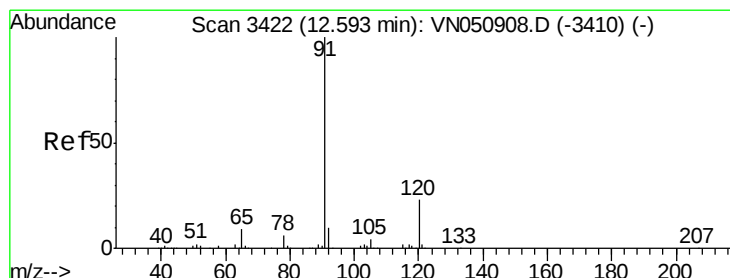
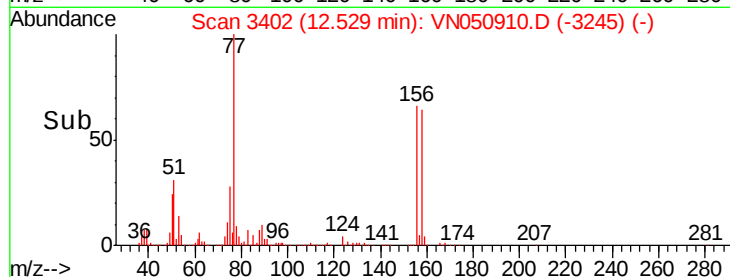
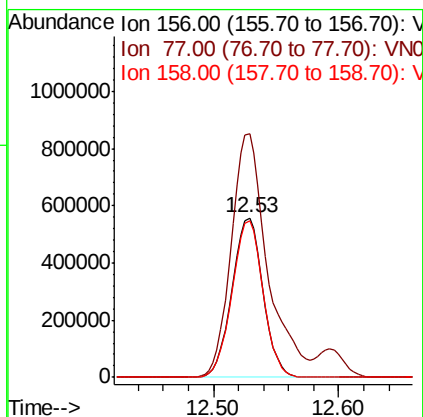
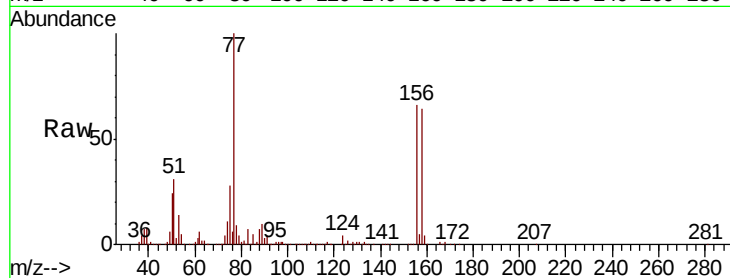
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	955655
Ion Ratio	Lower	Upper	
156	100		
77	179.7	0.0	359.4
158	98.0	0.0	194.6

Manual Integrations
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#74

n-propylbenzene

Concen: 103.73 ug/l

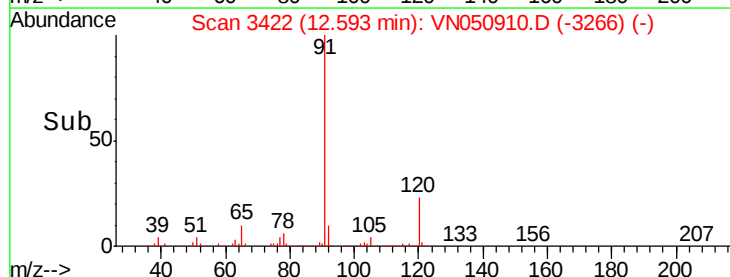
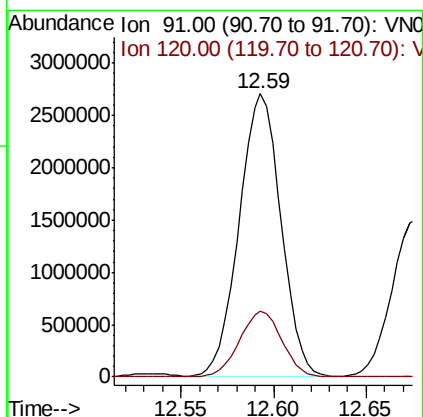
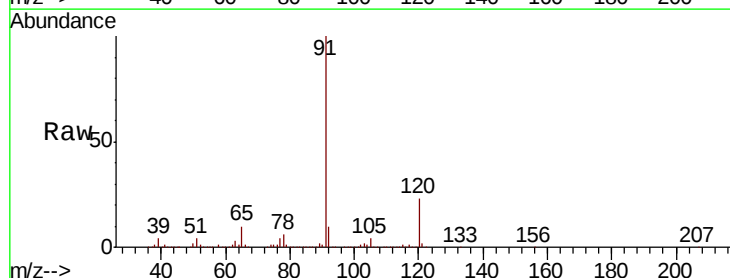
RT: 12.59 min Scan# 3422

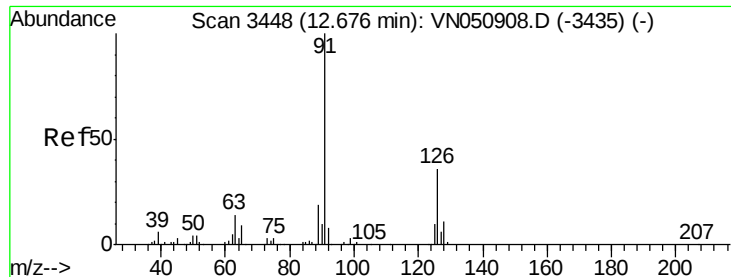
Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Tgt Ion:	91	Resp:	4241145
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	46.0





#75

2-Chlorotoluene

Concen: 100.50 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2496354

Ion Ratio Lower Upper

91 100

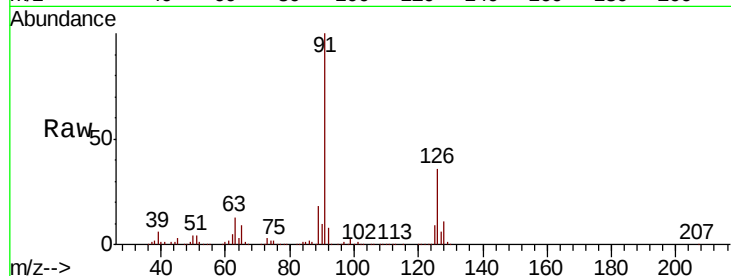
126 35.4 0.0 71.8

Manual Integrations

APPROVED

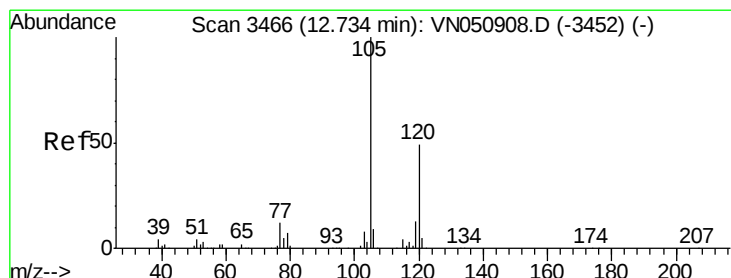
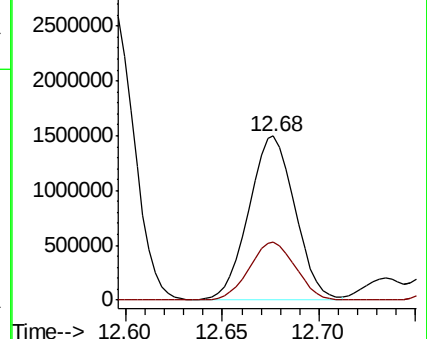
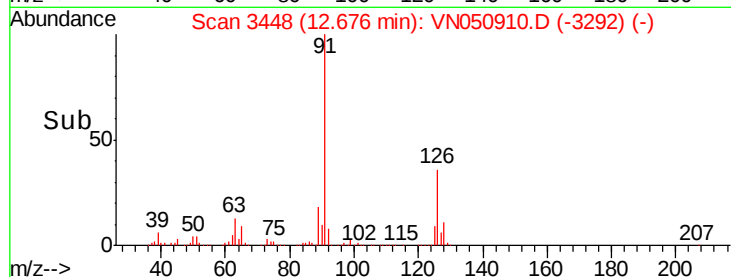
MMDadoda

8/29/2018 11:10:01 AM



Abundance Ion 91.00 (90.70 to 91.70): VN050910.D (-3292) (-)

Ion 126.00 (125.70 to 126.70): VN050910.D (-3292) (-)



#76

1,3,5-Trimethylbenzene

Concen: 102.09 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050910.D

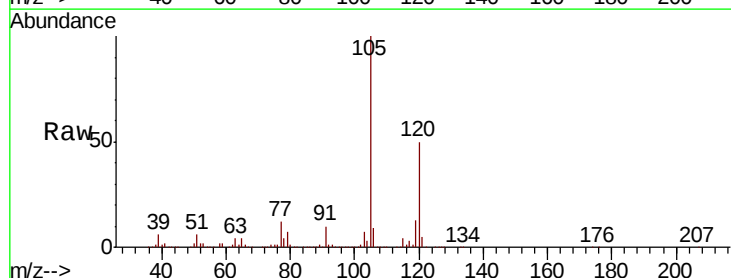
Acq: 28 Aug 2018 13:15

Tgt Ion:105 Resp: 3016914

Ion Ratio Lower Upper

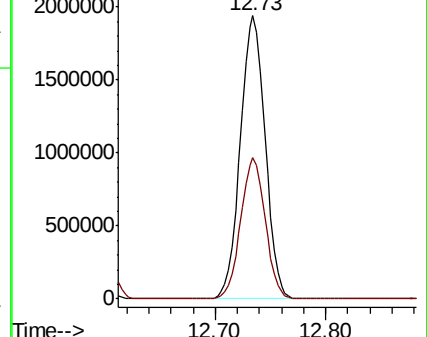
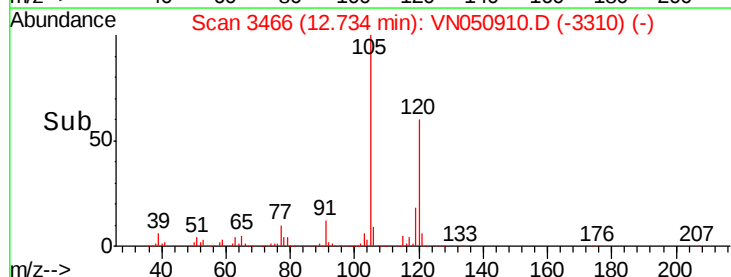
105 100

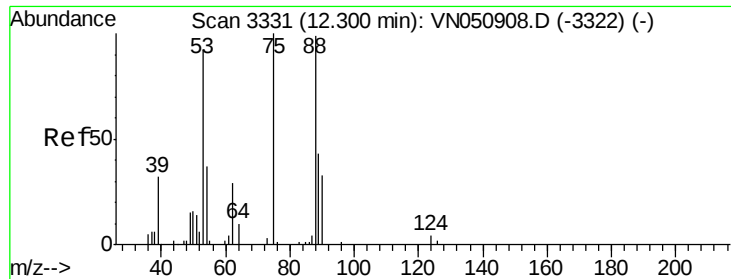
120 49.4 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN050910.D (-3310) (-)

Ion 120.00 (119.70 to 120.70): VN050910.D (-3310) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 108.27 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

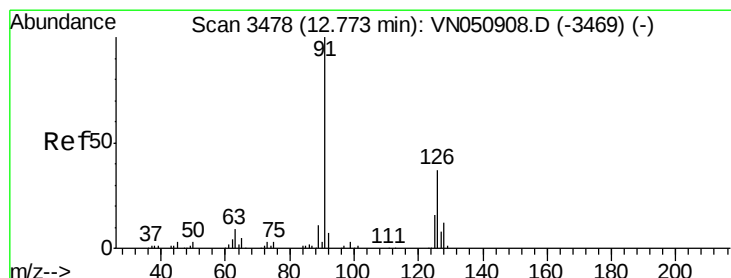
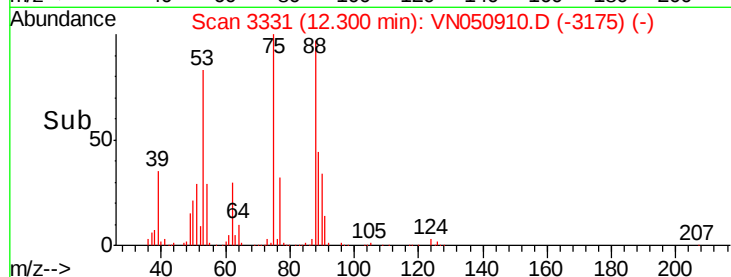
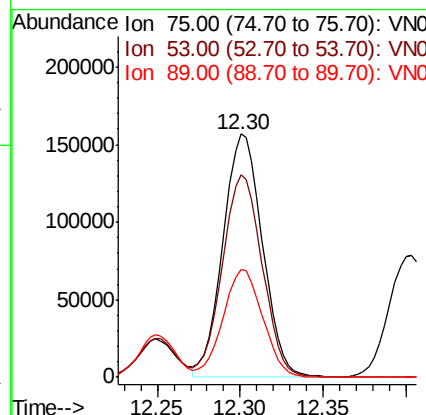
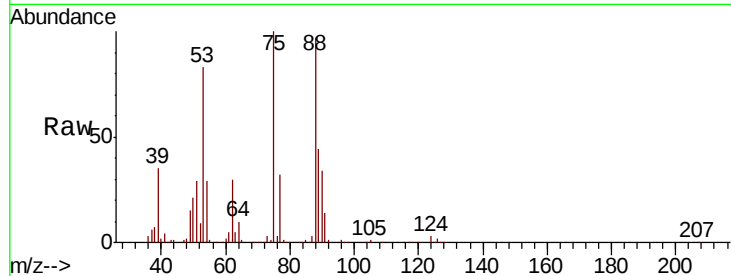
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	260575
Ion Ratio	Lower	Upper	
75	100		
53	83.3	45.5	136.4
89	44.5	21.9	65.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 102.83 ug/l

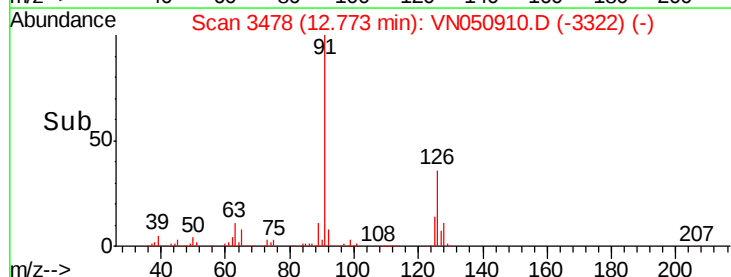
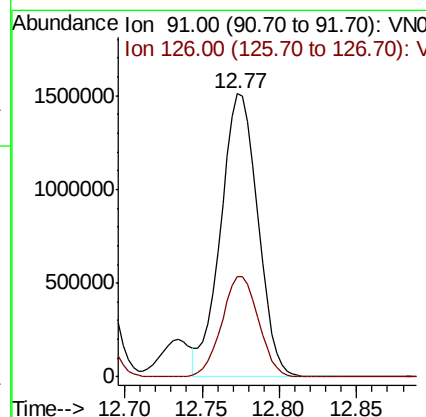
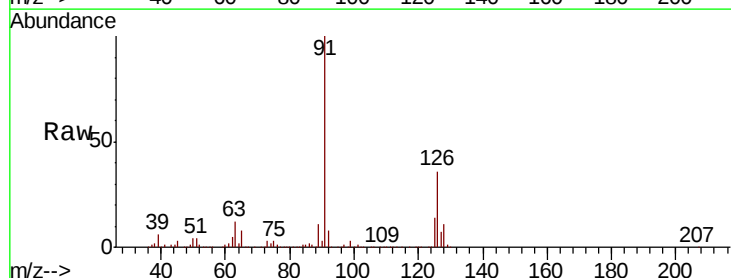
RT: 12.77 min Scan# 3478

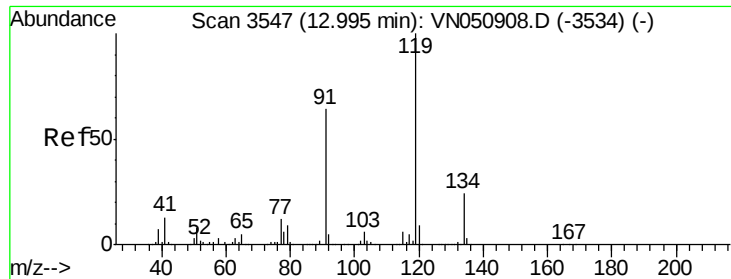
Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Tgt Ion:	91	Resp:	2514912
Ion Ratio	Lower	Upper	
91	100		
126	35.2	0.0	69.8





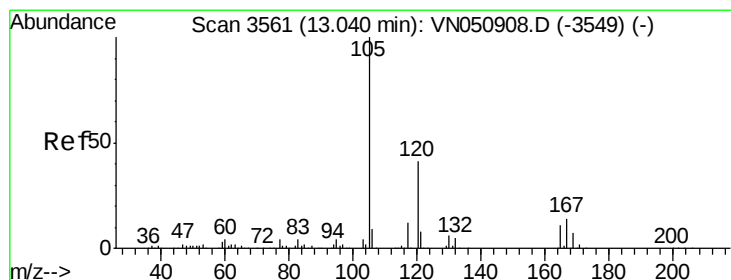
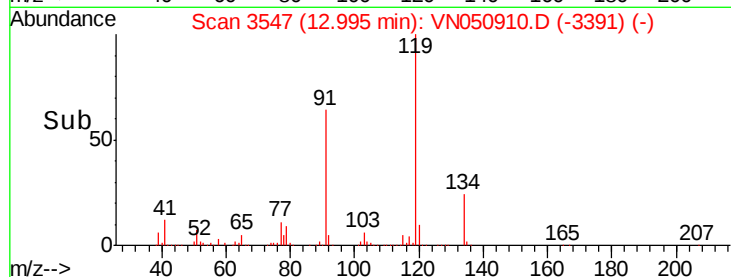
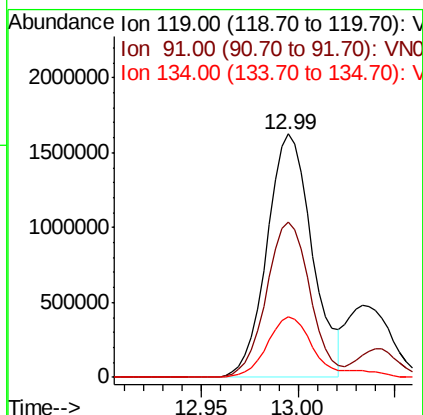
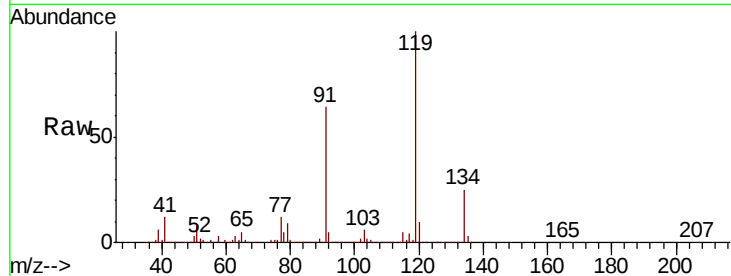
#79
tert-butylbenzene
Concen: 102.87 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	0.0	125.6
134	24.4	0.0	48.4

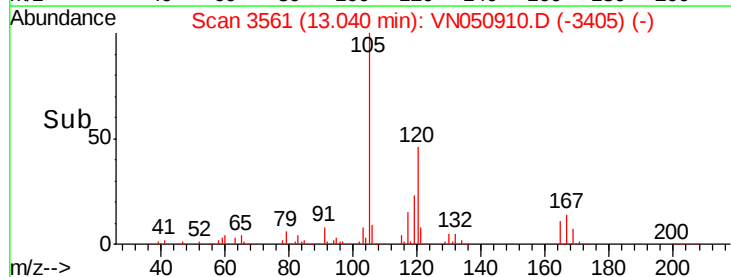
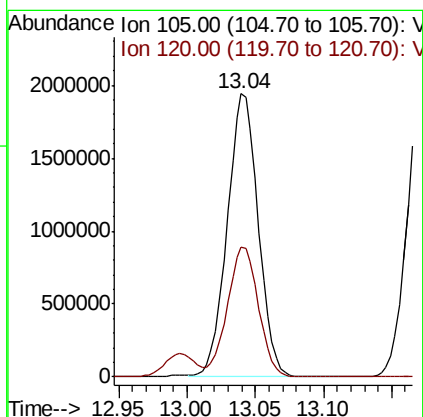
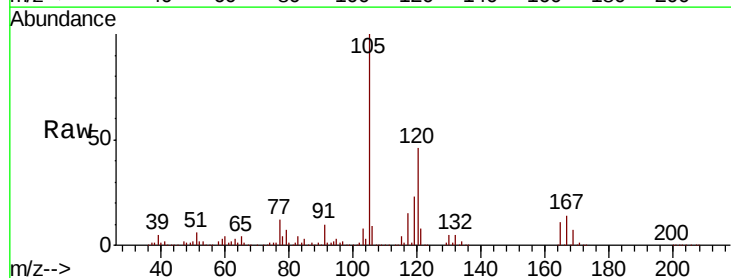
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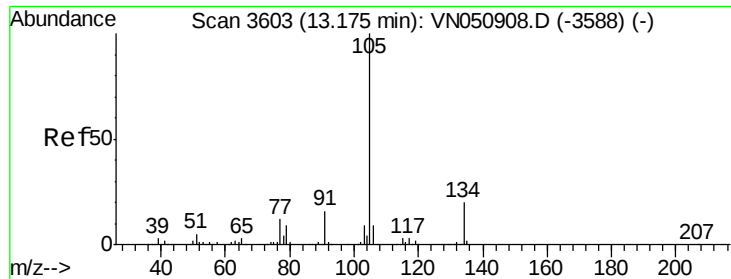
MMDadoda
8/29/2018 11:10:01 AM



#80
1,2,4-Trimethylbenzene
Concen: 103.64 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	0.0	93.6





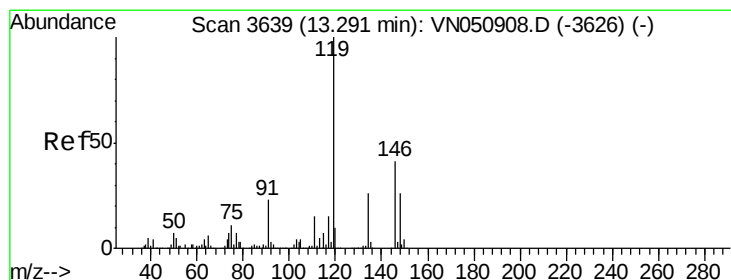
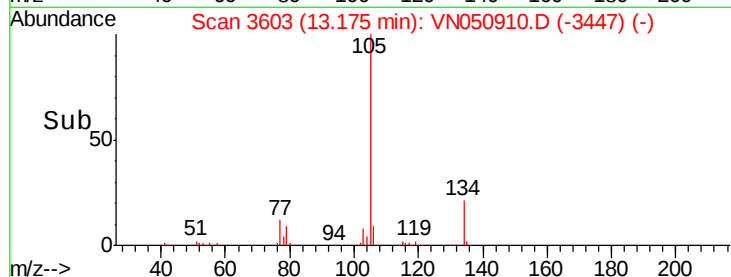
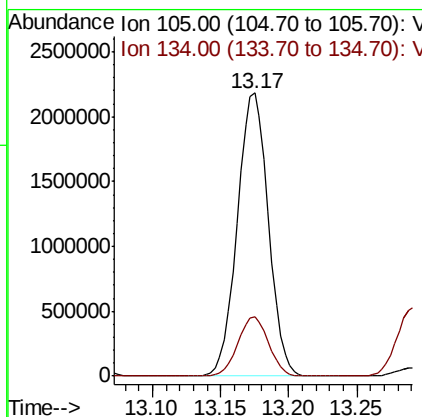
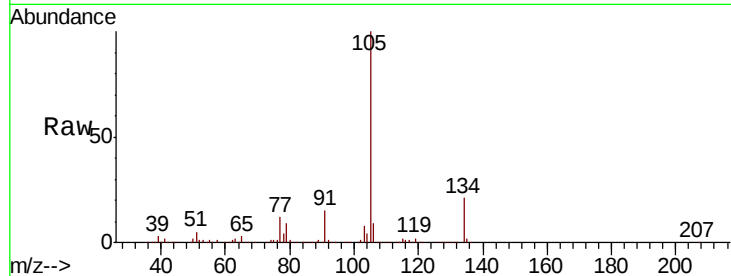
#81
 sec-Butylbenzene
 Concen: 102.60 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 3445435
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 40.8

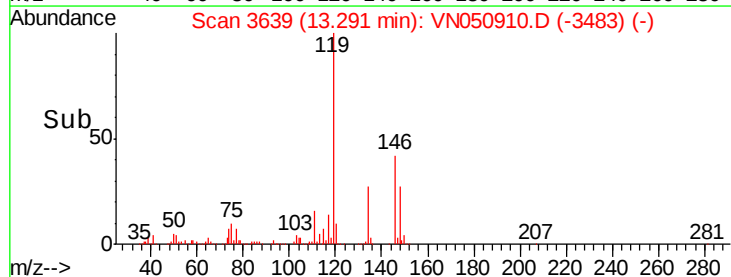
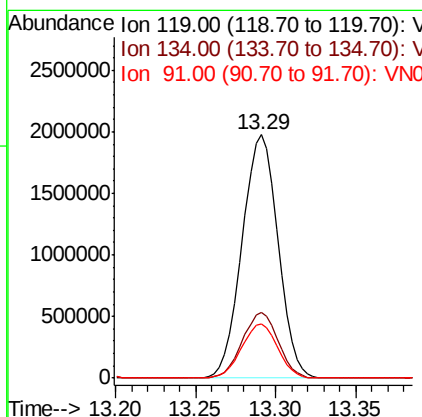
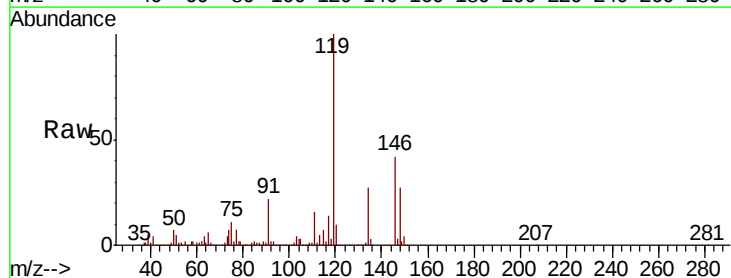
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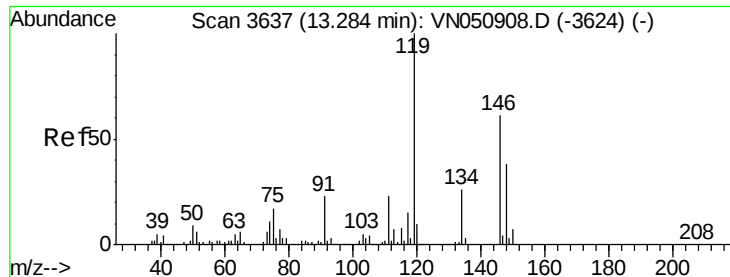
MMDadoda
 8/29/2018 11:10:01 AM



#82
 p-Isopropyltoluene
 Concen: 104.36 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion:119 Resp: 3024922
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 53.2
 91 22.2 0.0 46.0





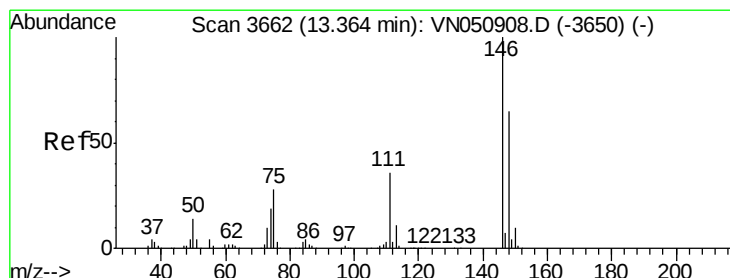
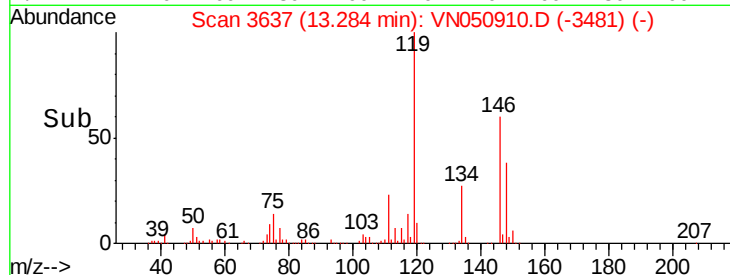
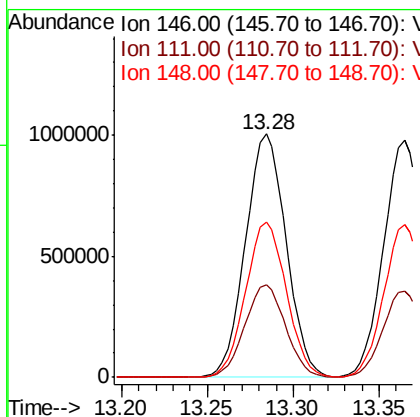
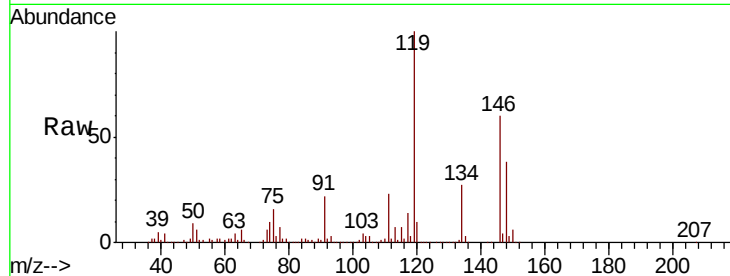
#83
 1,3-Dichlorobenzene
 Concen: 102.74 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.6
148	63.9	31.8	95.3

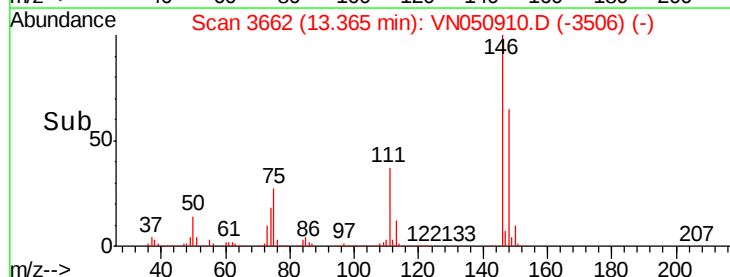
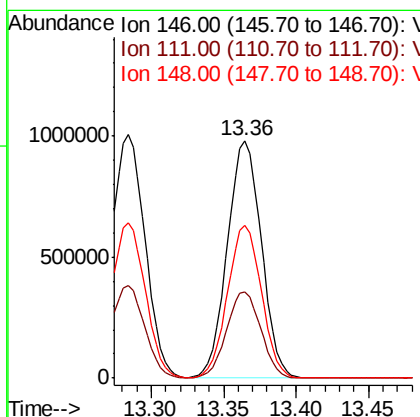
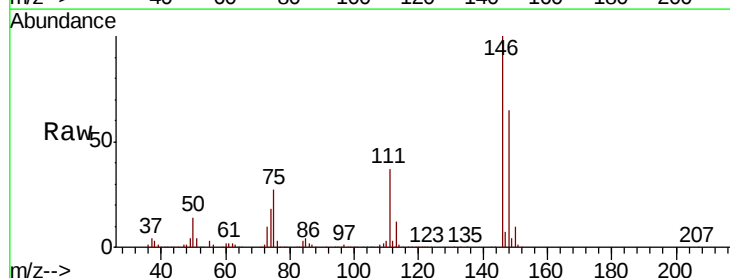
Manual Integrations
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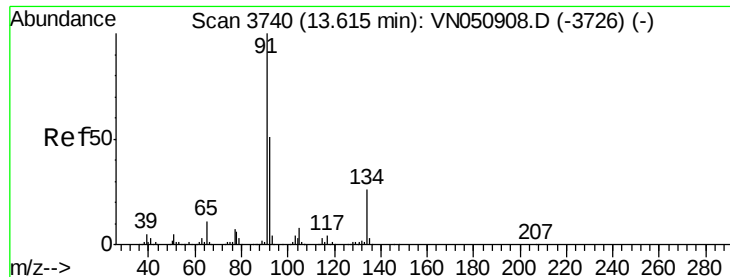
MMDadoda
 8/29/2018 11:10:01 AM



#84
 1,4-Dichlorobenzene
 Concen: 105.12 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.7	53.1
148	64.0	31.6	94.8





#85

n-Butylbenzene

Concen: 111.20 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 2459360

Ion Ratio Lower Upper

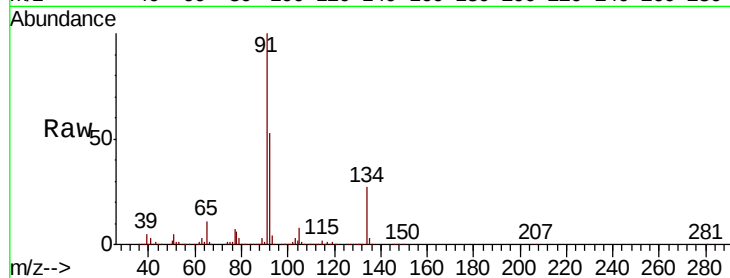
91 100

92 52.2 0.0 101.8

134 26.9 0.0 52.2

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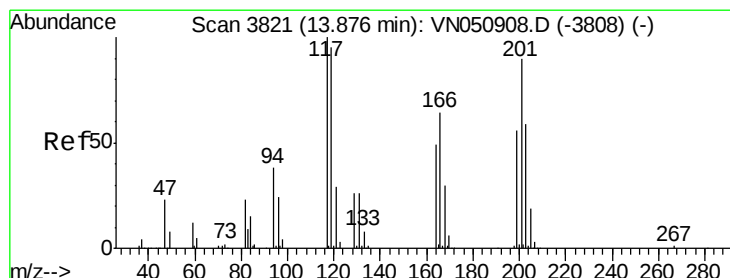
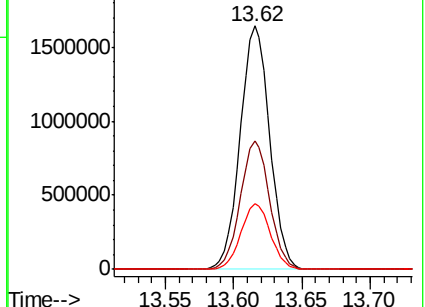
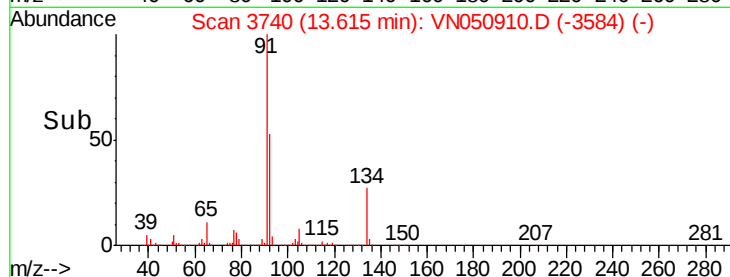
MMDadoda
8/29/2018 11:10:01 AM



Abundance Ion 91.00 (90.70 to 91.70): VN050910.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050910.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050910.D (-3726) (-)



#86

Hexachloroethane

Concen: 98.77 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050910.D

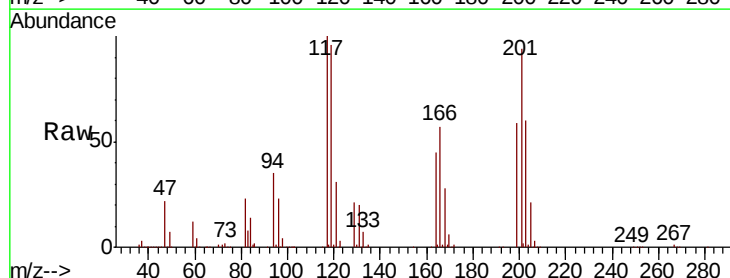
Acq: 28 Aug 2018 13:15

Tgt Ion: 117 Resp: 549490

Ion Ratio Lower Upper

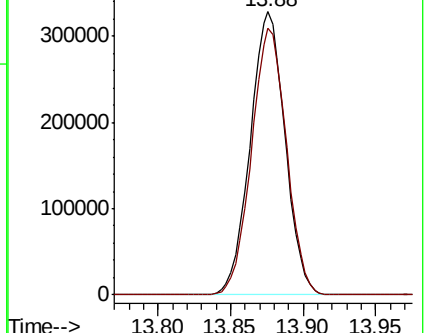
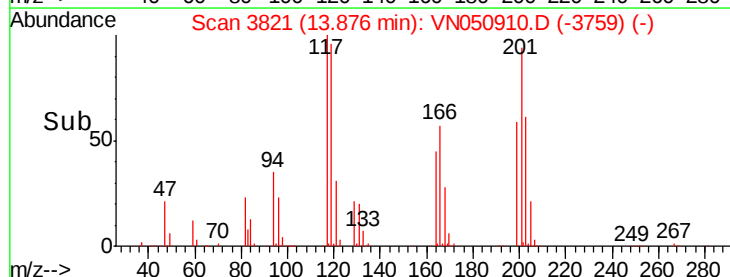
117 100

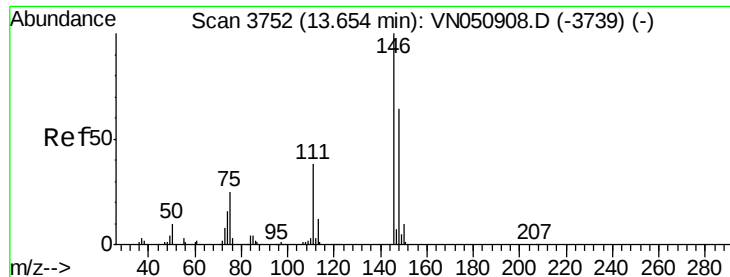
201 94.4 45.8 137.4



Abundance Ion 117.00 (116.70 to 117.70): VN050910.D (-3808) (-)

Ion 201.00 (200.70 to 201.70): VN050910.D (-3808) (-)





#87

1,2-Dichlorobenzene

Concen: 100.29 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1588008

Ion Ratio Lower Upper

146 100

111 38.9 19.1 57.1

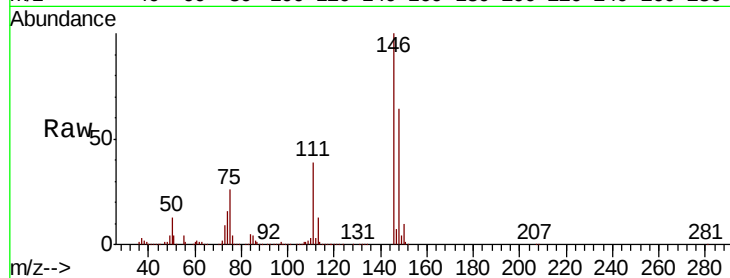
148 64.1 31.9 95.9

Manual Integrations

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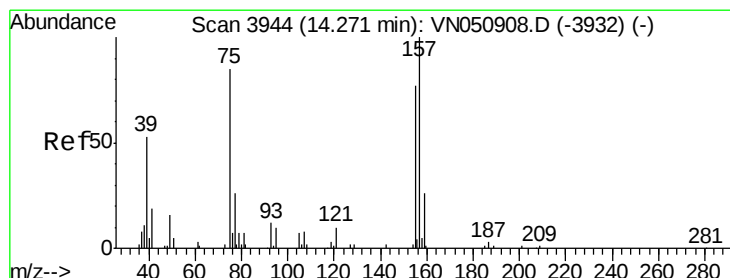
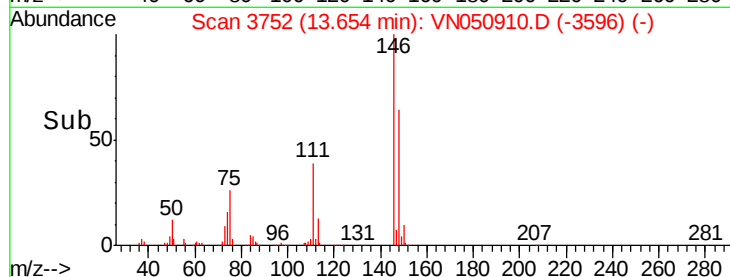
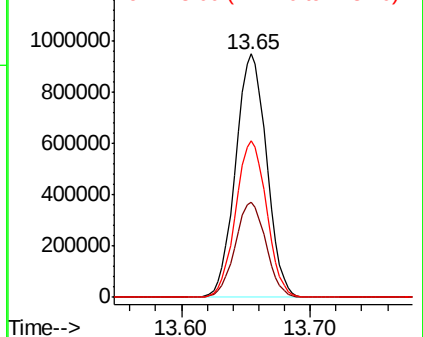


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 100.93 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050910.D

Acq: 28 Aug 2018 13:15

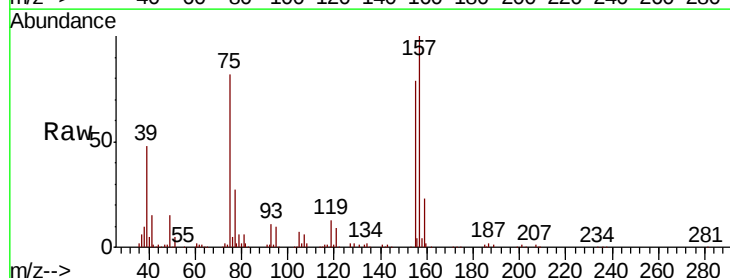
Tgt Ion: 75 Resp: 138261

Ion Ratio Lower Upper

75 100

155 96.4 71.8 107.6

157 124.7 91.1 136.7

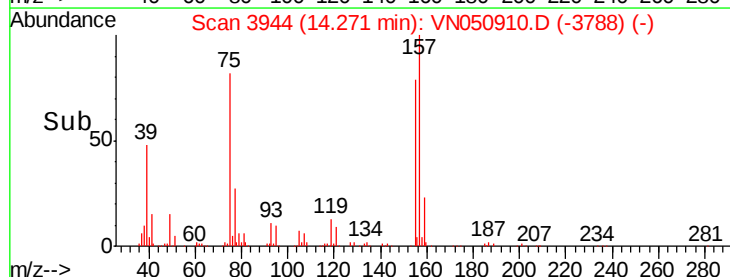
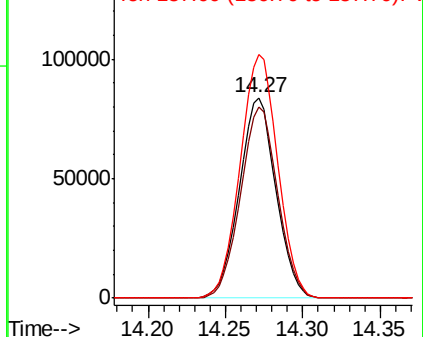


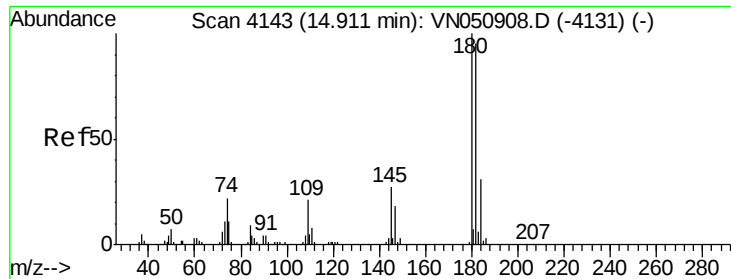
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





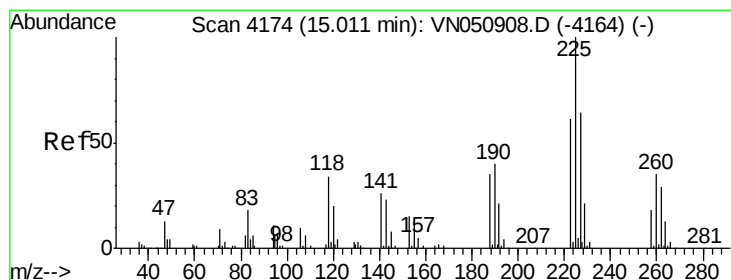
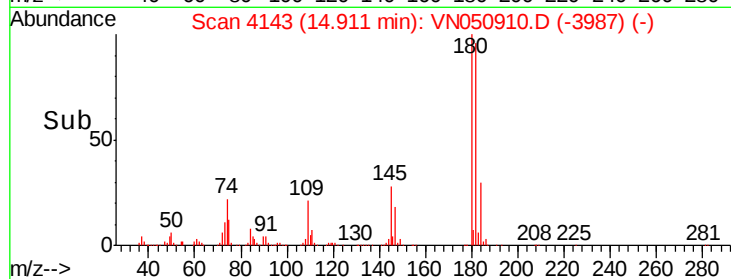
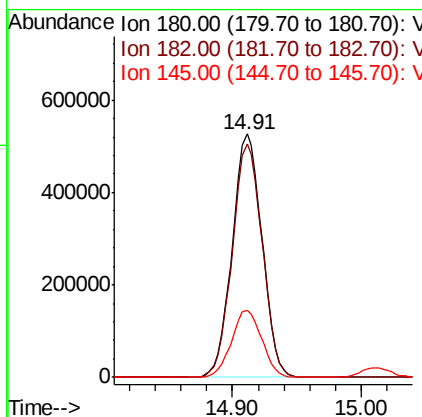
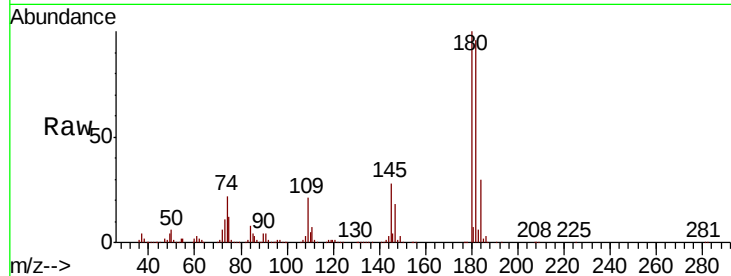
#89
 1,2,4-Trichlorobenzene
 Concen: 119.78 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.2	114.4
145	28.0	22.2	33.4

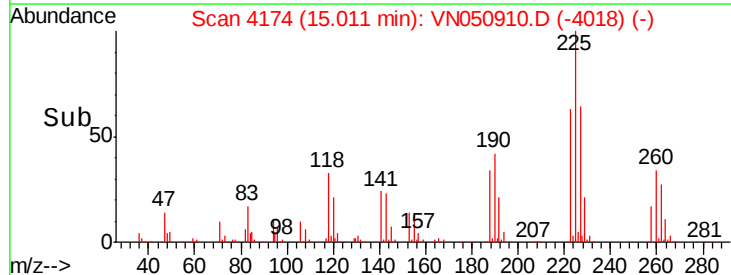
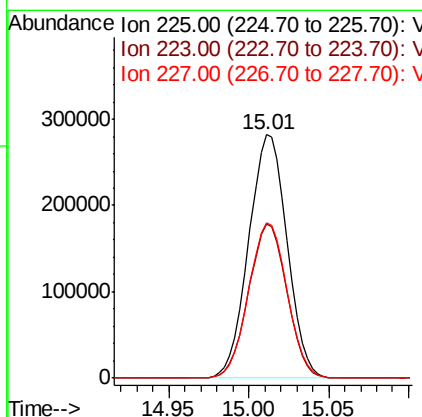
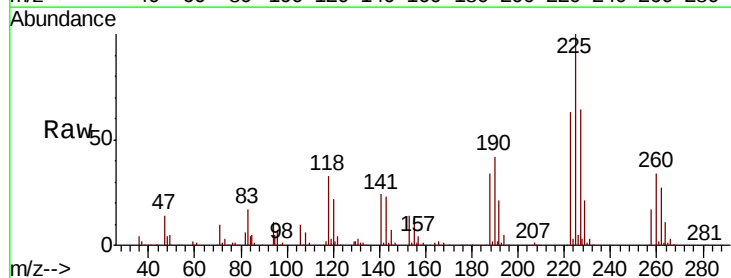
Manual Integrations
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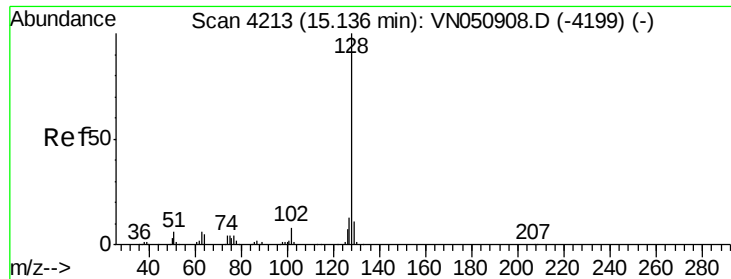
MMDadoda
 8/29/2018 11:10:01 AM



#90
 Hexachlorobutadiene
 Concen: 96.81 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050910.D
 Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	127.8
227	63.9	0.0	128.4





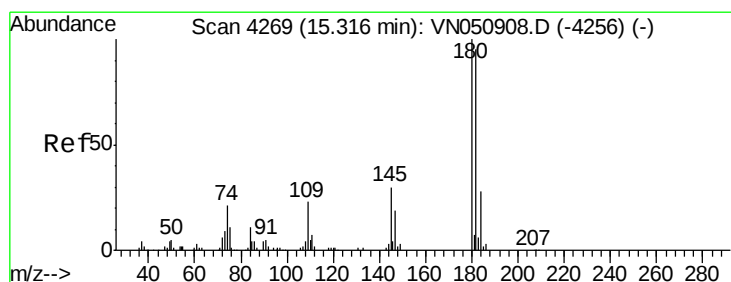
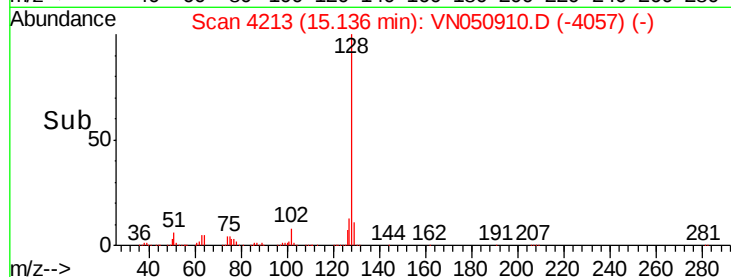
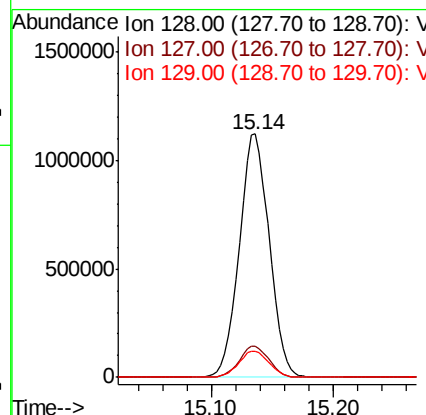
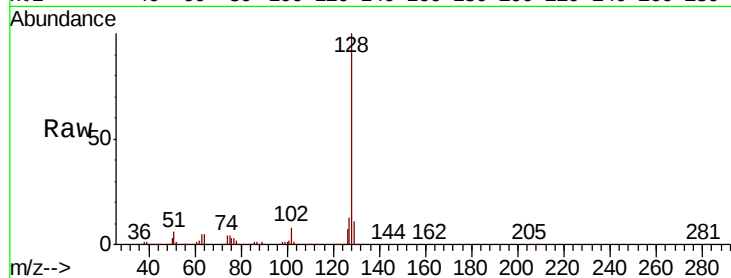
#91
Naphthalene
Concen: 125.94 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/29/2018 11:10:01 AM



#92
1,2,3-Trichlorobenzene
Concen: 115.27 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050910.D
Acq: 28 Aug 2018 13:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	192.8
145	30.3	0.0	60.0

