

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050254.D
 Acq On : 2 Aug 2018 10:37
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:36:00 AM

Quant Time: Aug 02 15:14:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	683869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	960883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	901573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	488780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	445400	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	7.59	113	403780	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.09	98	1505500	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.40	95	526570	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	434164	44.185	ug/l	100
3) Chloromethane	2.06	50	410560	38.438	ug/l	99
4) Vinyl Chloride	2.18	62	457513	40.675	ug/l	99
5) Bromomethane	2.56	94	282846	45.188	ug/l	98
6) Chloroethane	2.70	64	267832	39.649	ug/l	99
7) Trichlorofluoromethane	3.01	101	622844	42.745	ug/l	100
8) Diethyl Ether	3.41	74	215077	44.276	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	387470	44.221	ug/l	99
10) Methyl Iodide	3.95	142	224105	19.927	ug/l	98
11) Tert butyl alcohol	4.79	59	159938	227.815	ug/l	100
12) 1,1-Dichloroethene	3.73	96	333946	42.368	ug/l	99
13) Acrolein	3.61	56	107287	190.204	ug/l	98
14) Allyl chloride	4.32	41	555965	45.489	ug/l	98
15) Acrylonitrile	4.99	53	710573	231.989	ug/l	98
16) Acetone	3.82	43	626269	279.158	ug/l	99
17) Carbon Disulfide	4.05	76	914822	37.886	ug/l	100
18) Methyl Acetate	4.33	43	481165	55.212	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1003278	47.764	ug/l	100
20) Methylene Chloride	4.55	84	397035	46.852	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	363024	43.466	ug/l	99
22) Diisopropyl ether	5.95	45	1202855	49.636	ug/l	100
23) Vinyl Acetate	5.90	43	3922534	229.045	ug/l	100
24) 1,1-Dichloroethane	5.85	63	699124	44.118	ug/l	100
25) 2-Butanone	6.84	43	890117	244.577	ug/l	100
26) 2,2-Dichloropropane	6.82	77	596220	49.457	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	419191	46.625	ug/l	99
28) Bromochloromethane	7.19	49	334282	46.249	ug/l	99
29) Tetrahydrofuran	7.21	42	543471	231.092	ug/l	100
30) Chloroform	7.37	83	715730	44.260	ug/l	99
31) Cyclohexane	7.65	56	579684	44.101	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	612152	44.255	ug/l	100
36) 1,1-Dichloropropene	7.79	75	529467	48.909	ug/l	100
37) Ethyl Acetate	6.93	43	351327	46.547	ug/l	99
38) Carbon Tetrachloride	7.77	117	540139	47.022	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	560233	50.305	ug/l	99
40) Benzene	8.04	78	1585331	48.125	ug/l	99
41) Methacrylonitrile	7.17	41	193655	49.303	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	514744	46.838	ug/l	100
43) Isopropyl Acetate	8.17	43	662180	46.476	ug/l	99
44) Trichloroethene	8.83	130	412328	46.581	ug/l	99
45) 1,2-Dichloropropane	9.12	63	429332	49.205	ug/l	99
46) Dibromomethane	9.21	93	260861	48.149	ug/l	99
47) Bromodichloromethane	9.40	83	556671	48.683	ug/l	98
48) Methyl methacrylate	9.20	41	333644	51.327	ug/l	99
49) 1,4-Dioxane	9.20	88	93149	1052.980	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1890926	254.849	ug/l	99
52) Toluene	10.16	92	995552	51.197	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	571387	52.955	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	648247	52.568	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	382005	49.528	ug/l	99
56) Ethyl methacrylate	10.43	69	491029	47.119	ug/l	100
57) 1,3-Dichloropropane	10.71	76	634743	50.538	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	996188	205.647	ug/l	100
59) 2-Hexanone	10.75	43	1355698	248.681	ug/l	99
60) Dibromochloromethane	10.90	129	437112	51.187	ug/l	98
61) 1,2-Dibromoethane	11.01	107	375937	49.125	ug/l	99
64) Tetrachloroethene	10.63	164	385894	44.519	ug/l	100
65) Chlorobenzene	11.44	112	1098083	48.217	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	420860	48.097	ug/l	99
67) Ethyl Benzene	11.51	91	1898854	51.906	ug/l	100
68) m/p-Xylenes	11.62	106	1473191	106.466	ug/l	100
69) o-Xylene	11.95	106	702897	53.287	ug/l	99
70) Styrene	11.96	104	1160587	49.480	ug/l	100
71) Bromoform	12.13	173	312293	49.062	ug/l #	98
73) Isopropylbenzene	12.25	105	1906754	50.300	ug/l	100
74) N-amyl acetate	12.07	43	551533	47.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	505436	49.918	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	453588m	49.935	ug/l	
77) Bromobenzene	12.53	156	485899	46.248	ug/l	99
78) n-propylbenzene	12.59	91	2227987	52.583	ug/l	100
79) 2-Chlorotoluene	12.68	91	1305496	49.711	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1591122	53.362	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	142603	49.794	ug/l	100
82) 4-Chlorotoluene	12.77	91	1350593	51.933	ug/l	100
83) tert-Butylbenzene	12.99	119	1375344	52.854	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1637105	54.471	ug/l	99
85) sec-Butylbenzene	13.17	105	1858189	53.444	ug/l	100
86) p-Isopropyltoluene	13.29	119	1626552	55.520	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	877286	49.256	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	857204	49.379	ug/l	100
89) n-Butylbenzene	13.62	91	1341735	55.694	ug/l	100
90) Hexachloroethane	13.88	117	299636	46.061	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	852462	47.880	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	78078	46.164	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	435894	46.401	ug/l	99
94) Hexachlorobutadiene	15.01	225	270658	49.658	ug/l	99
95) Naphthalene	15.14	128	926093	42.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	429656	46.864	ug/l	100

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

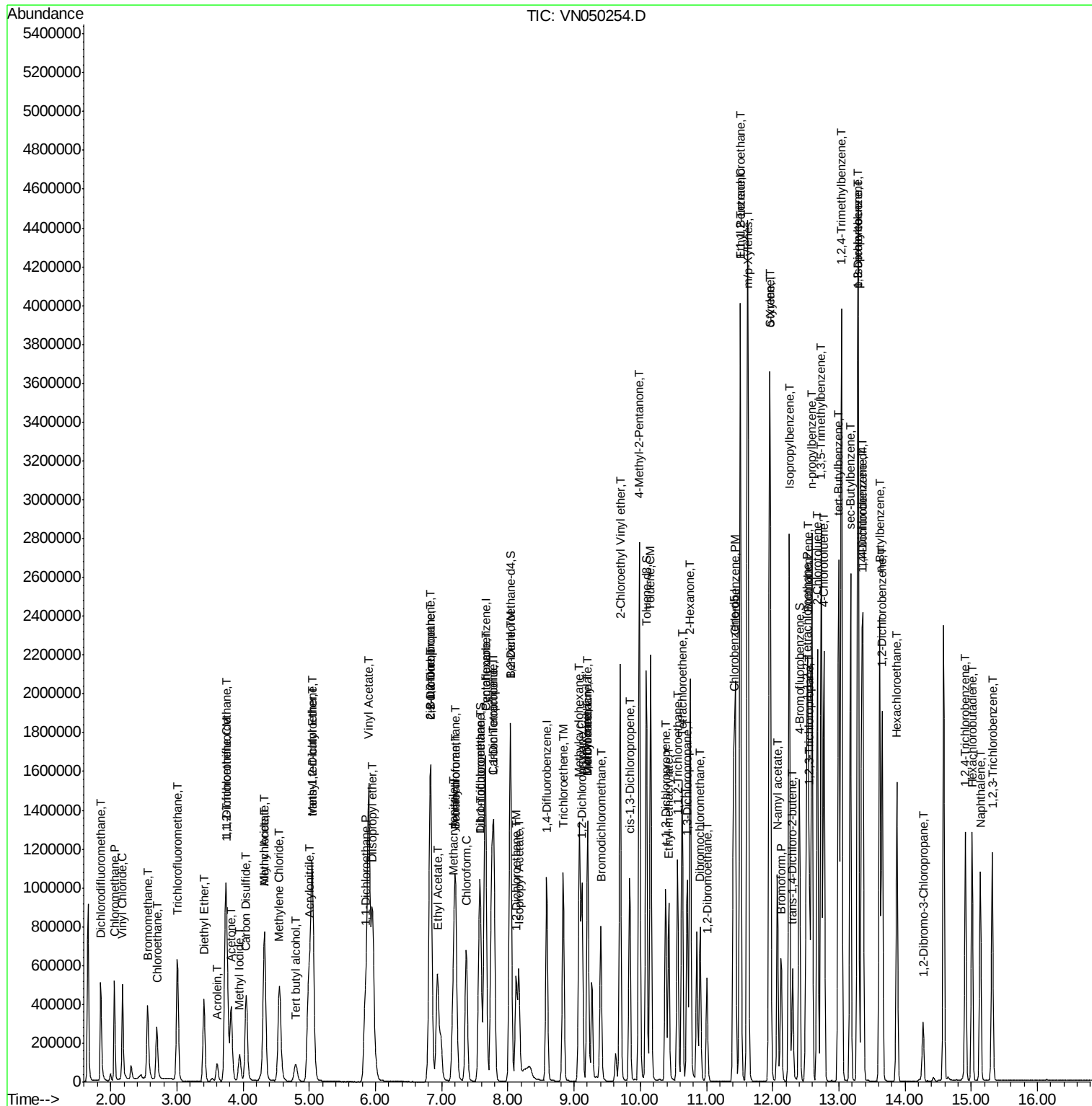
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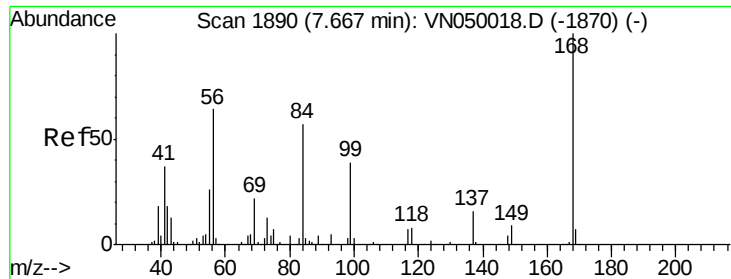
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 683869

Ion Ratio Lower Upper

168 100

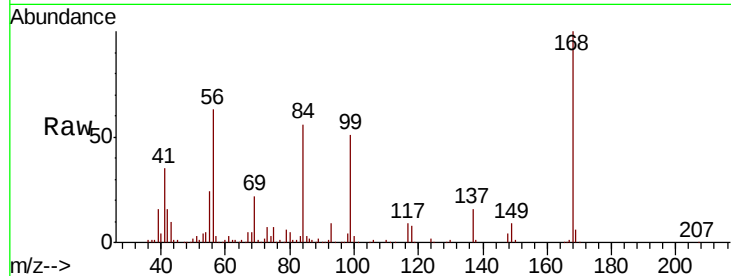
99 50.4 40.0 60.0

Manual Integrations

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8/3/2018 9:36:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

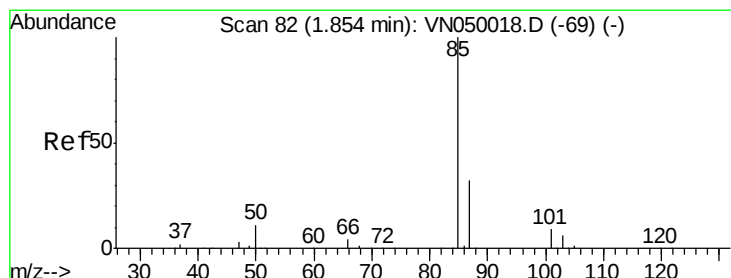
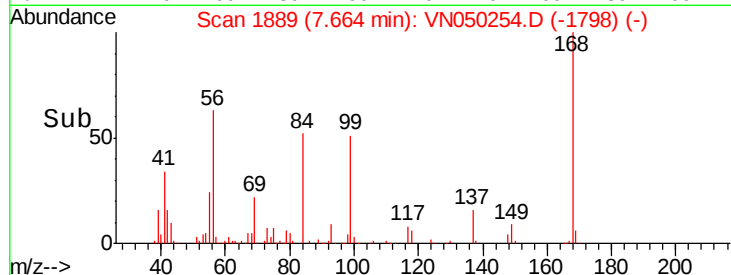
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.185 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050254.D

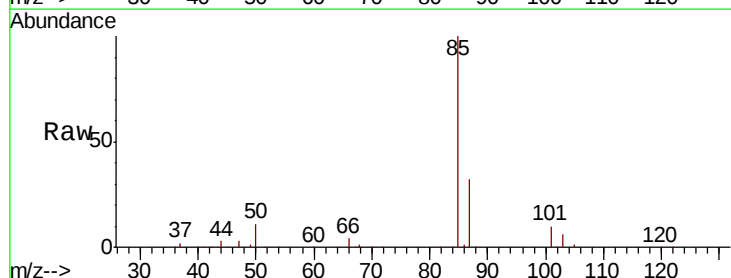
Acq: 2 Aug 2018 10:37

Tgt Ion: 85 Resp: 434164

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

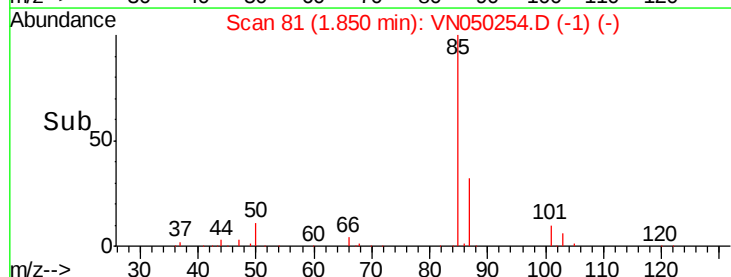
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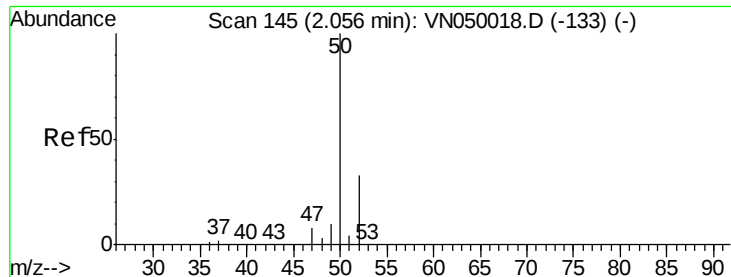
200000

100000

0

Time-->





#3

Chloromethane

Concen: 38.438 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 410560

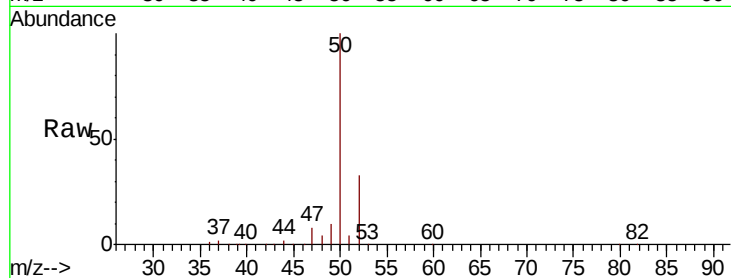
Ion Ratio Lower Upper

50 100

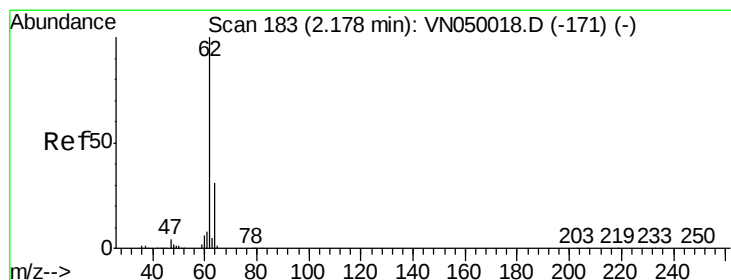
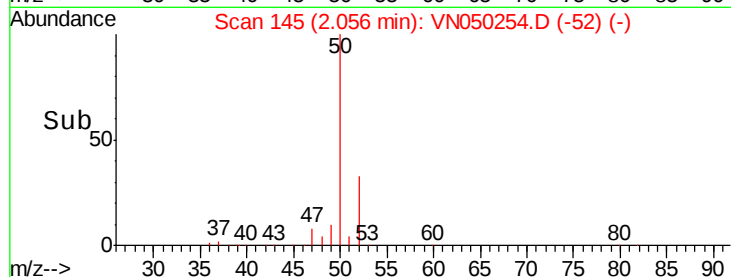
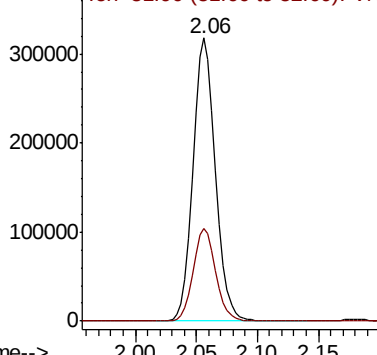
52 32.8 25.9 38.9

Manual Integrations
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8/3/2018 9:36:00 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 40.675 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050254.D

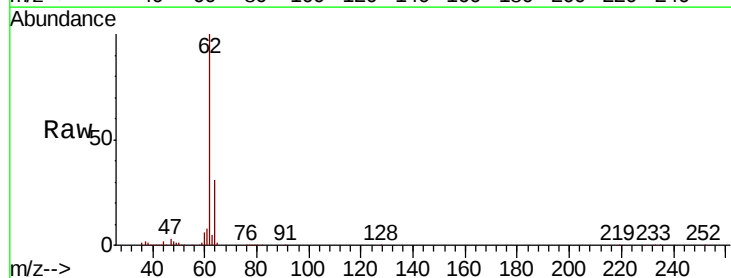
Acq: 2 Aug 2018 10:37

Tgt Ion: 62 Resp: 457513

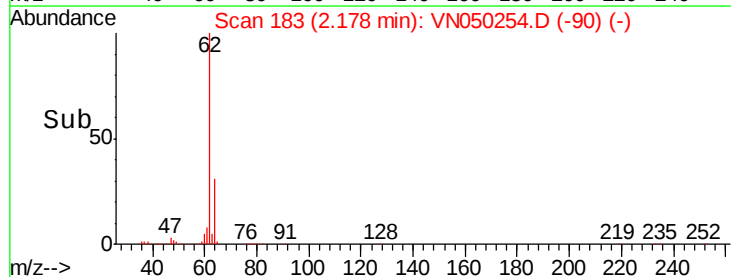
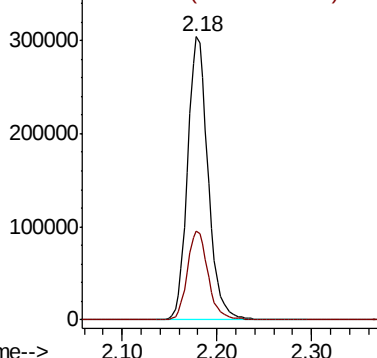
Ion Ratio Lower Upper

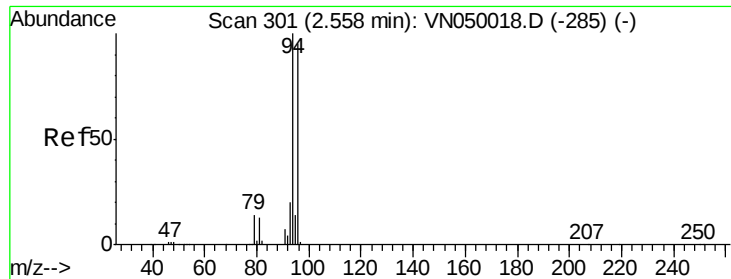
62 100

64 31.2 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.188 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

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Tot Ion: 94 Resp: 282846

Ion Ratio Lower Upper

94 100

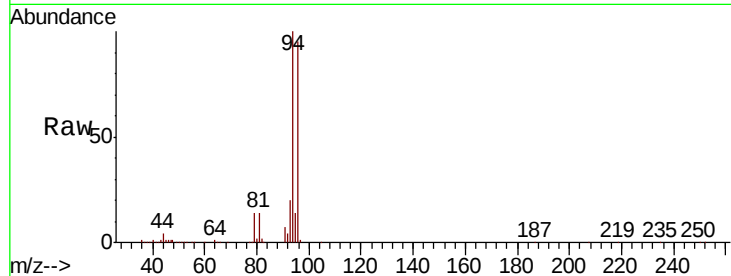
96 95.1 74.6 112.0

Manual Integrations

APPROVED

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8/3/2018 9:36:00 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

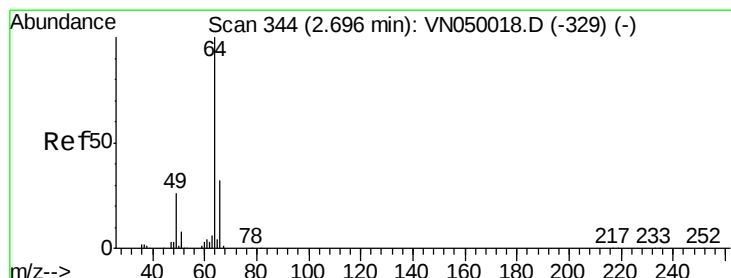
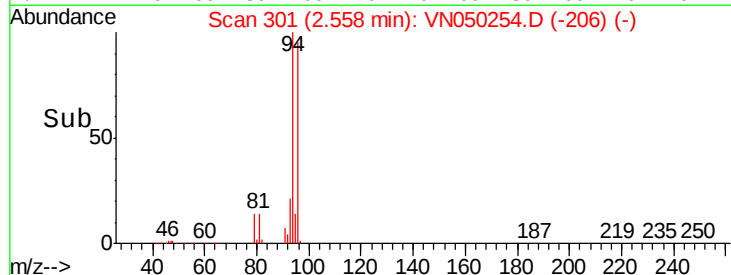
2.56

100000

50000

0

Time-->



#6

Chloroethane

Concen: 39.649 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050254.D

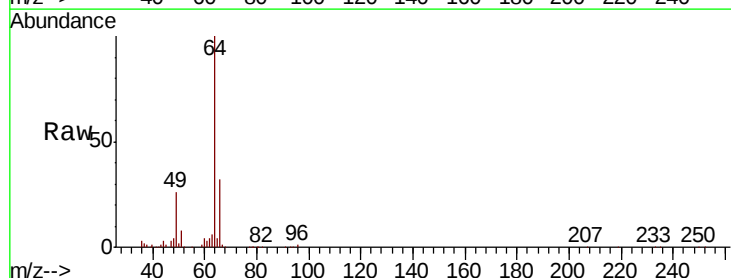
Acq: 2 Aug 2018 10:37

Tgt Ion: 64 Resp: 267832

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

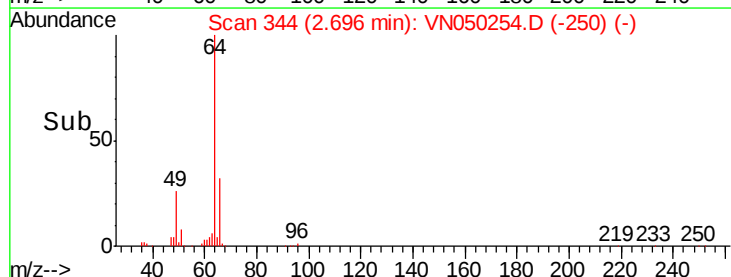
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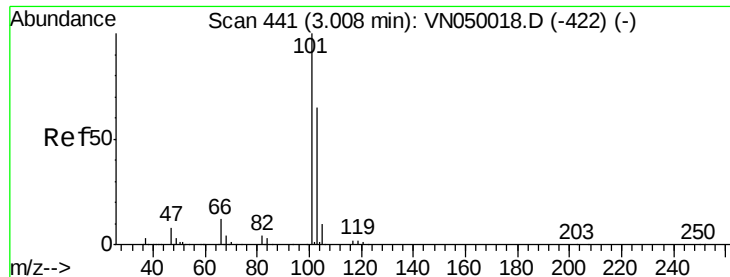
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50000

0

Time-->





#7

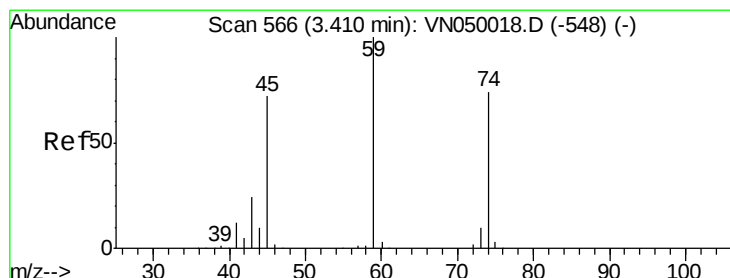
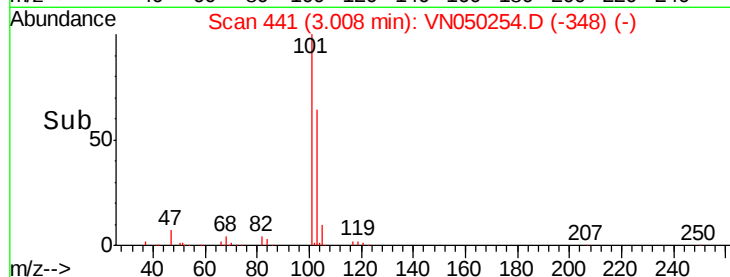
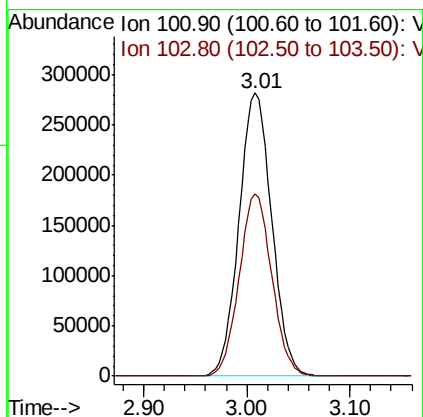
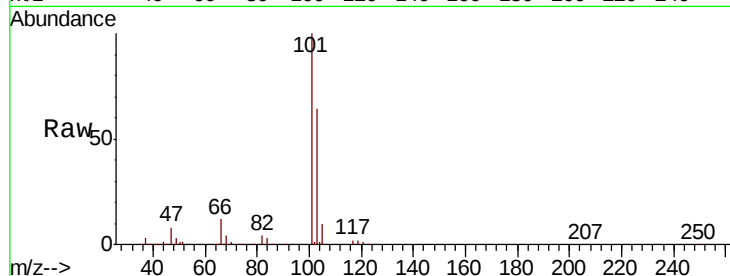
Trichlorofluoromethane
Concen: 42.745 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5

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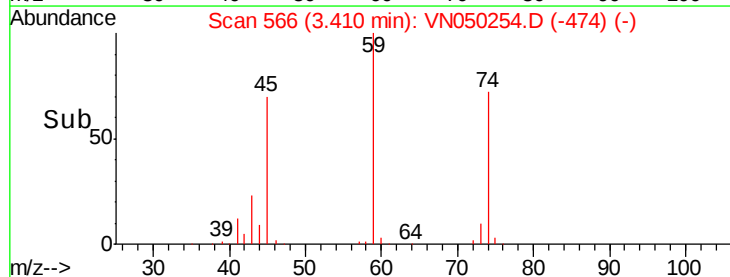
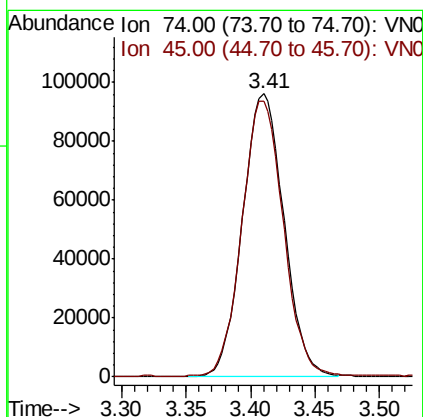
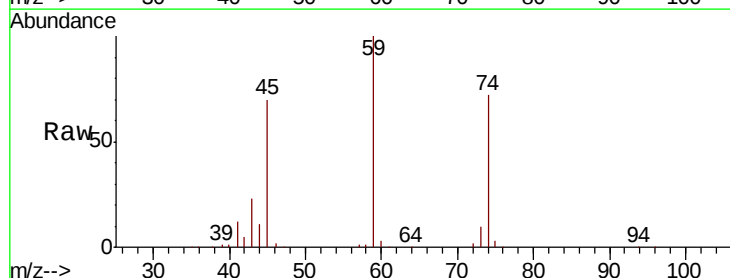
MMDadoda
8/3/2018 9:36:00 AM

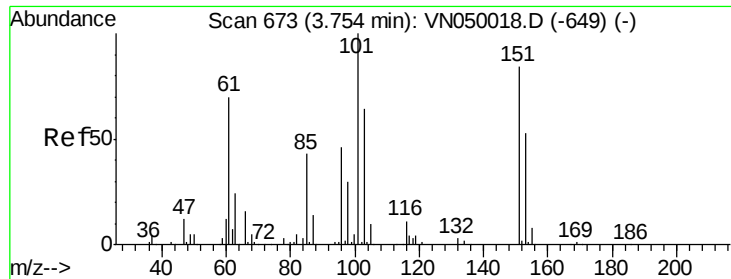


#8

Diethyl Ether
Concen: 44.276 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.221 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

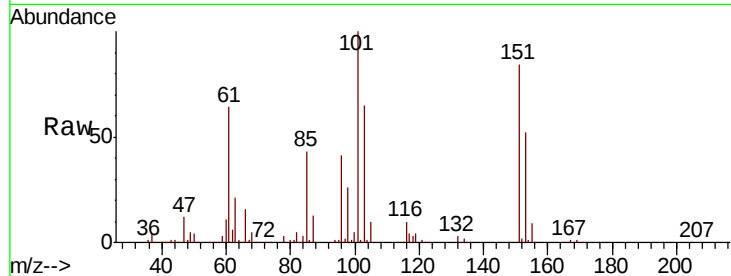
ClientSampleId :

VSTDCCC050

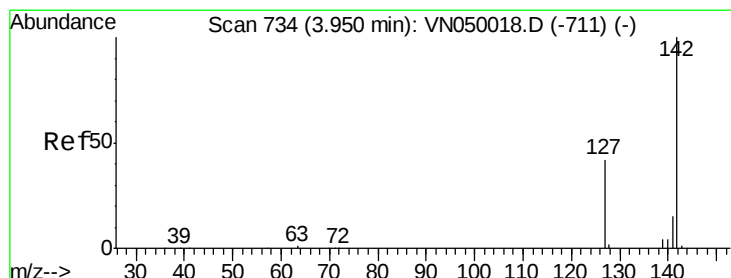
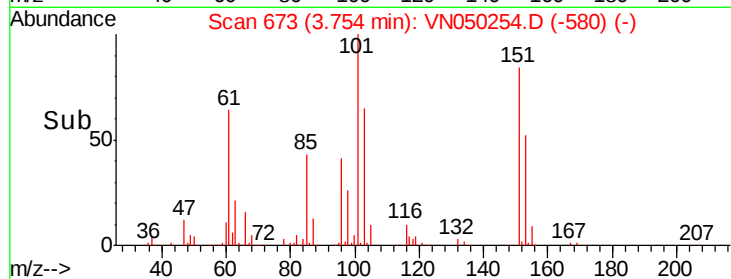
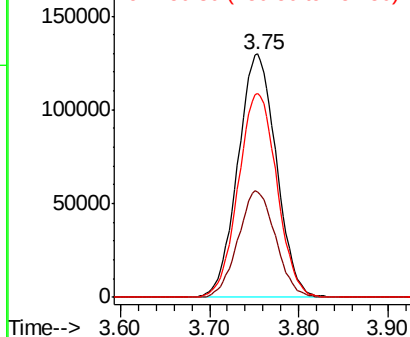
Tot Ion:	101	Resp:	387470
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.2
151	84.0	66.3	99.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.927 ug/l

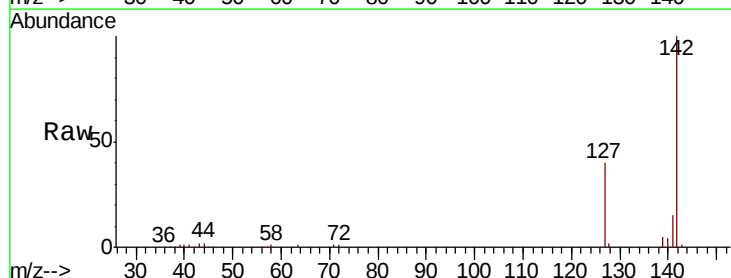
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

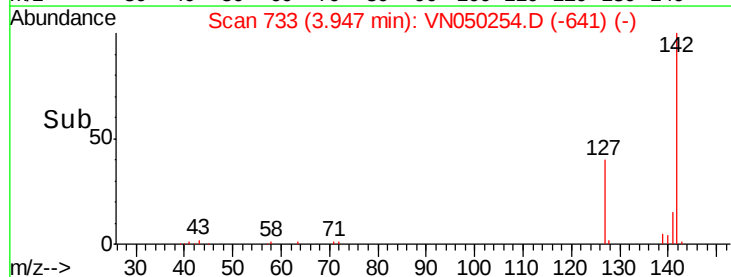
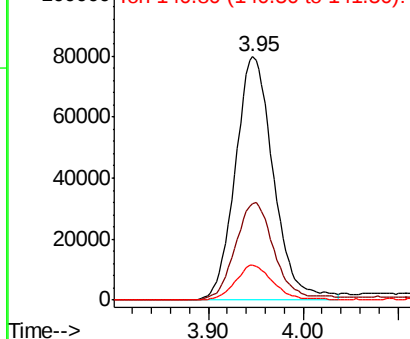
Lab File: VN050254.D

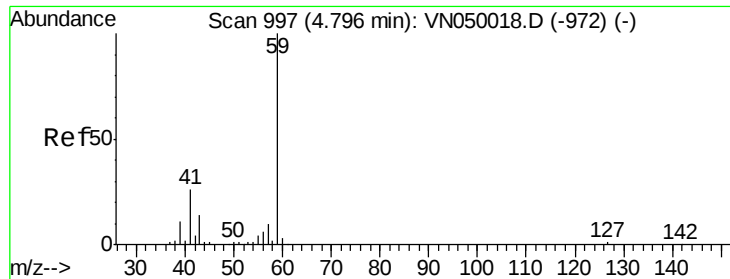
Acq: 2 Aug 2018 10:37

Tgt Ion:	142	Resp:	224105
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.4	50.2
141	14.3	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





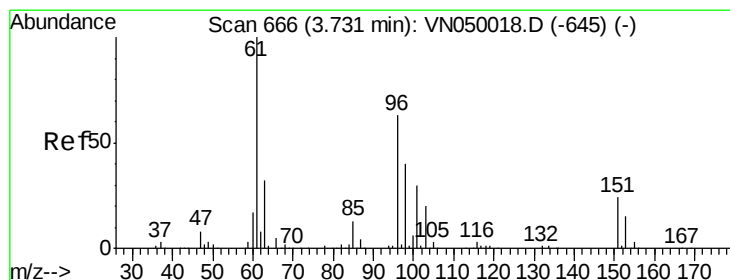
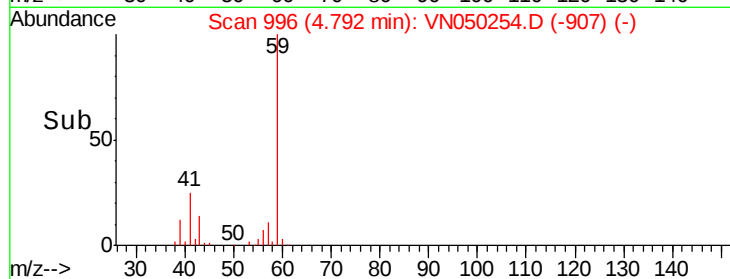
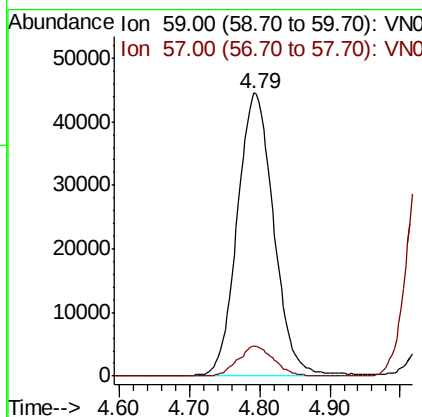
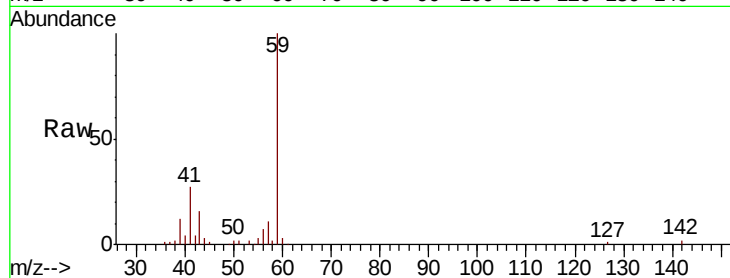
#11
Tert butyl alcohol
Concen: 227.815 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.01 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

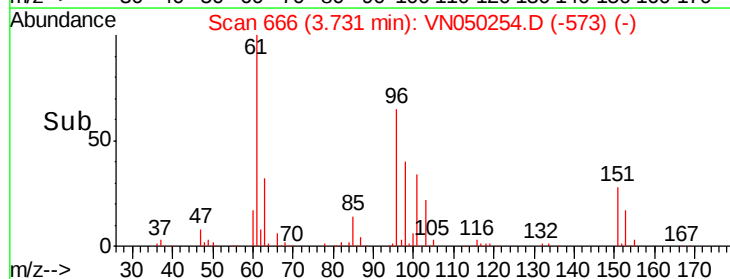
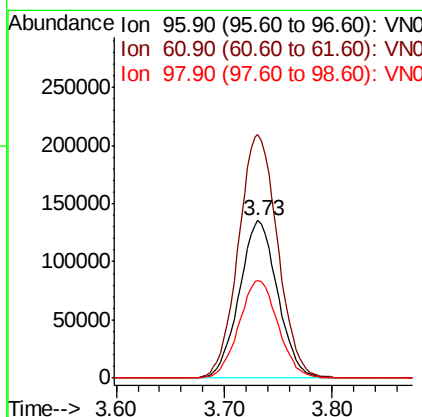
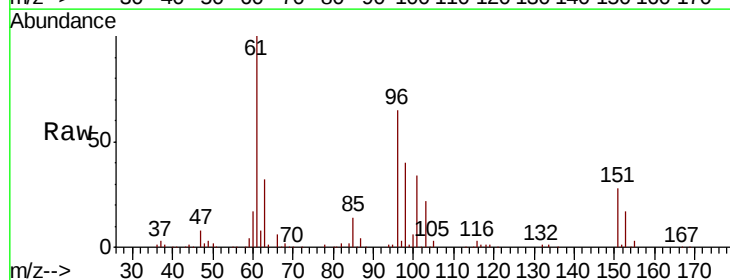
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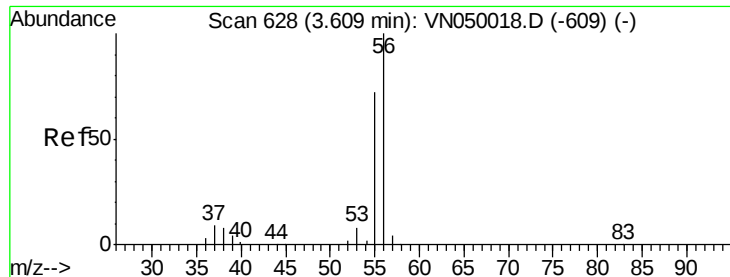
MMDadoda
8/3/2018 9:36:00 AM



#12
1,1-Dichloroethene
Concen: 42.368 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	124.4	186.6
98	62.4	48.3	72.5





#13

Acrolein

Concen: 190.204 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 107287

Ion Ratio Lower Upper

56 100

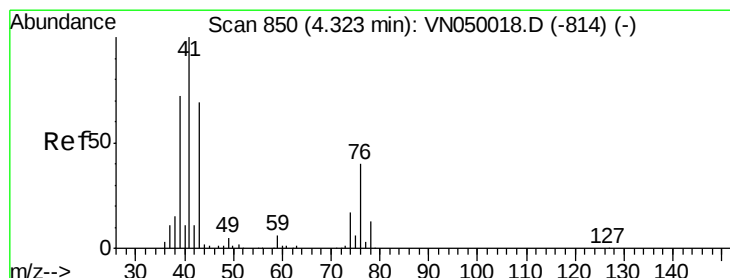
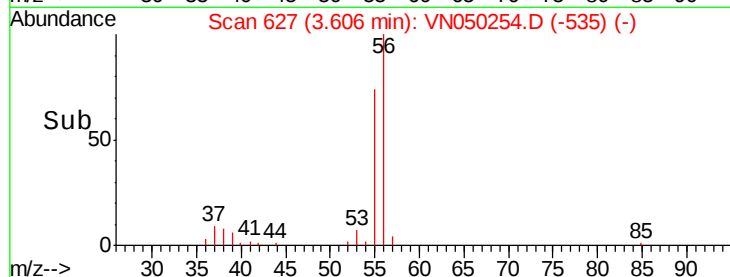
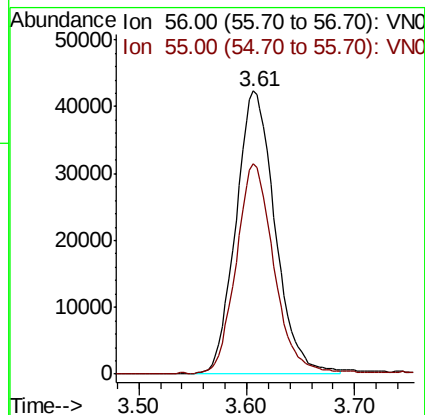
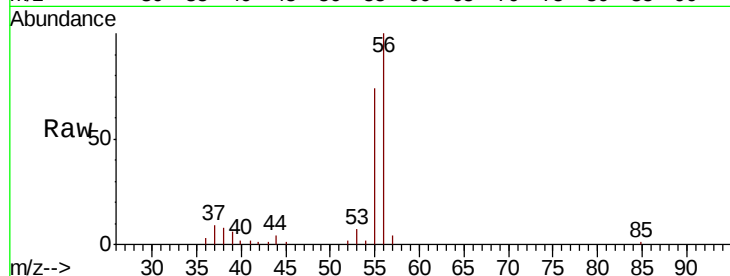
55 71.6 55.8 83.6

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#14

Allyl chloride

Concen: 45.489 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

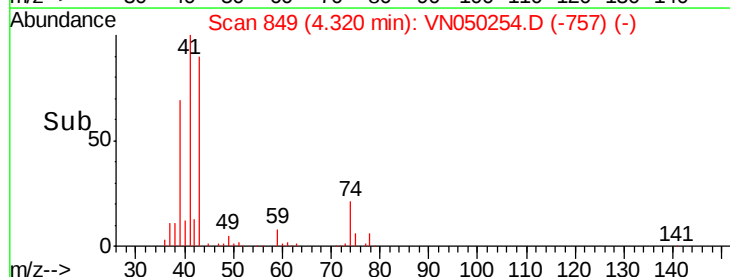
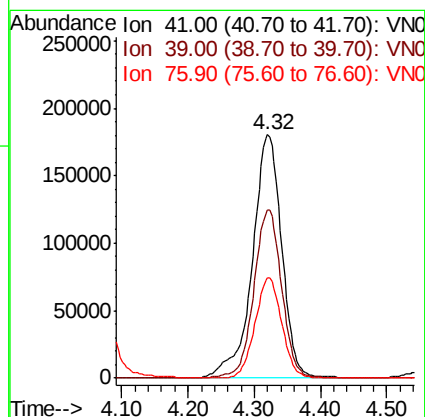
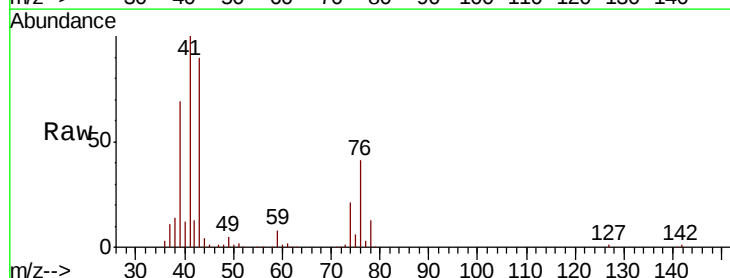
Tgt Ion: 41 Resp: 555965

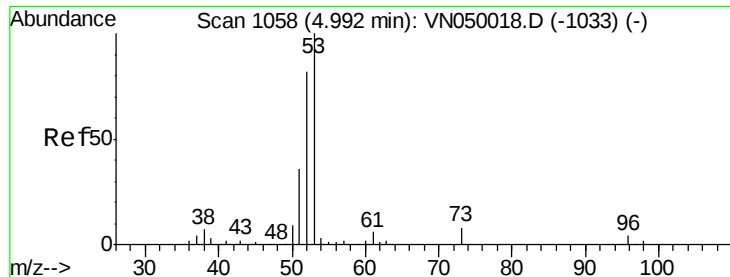
Ion Ratio Lower Upper

41 100

39 65.4 54.2 81.4

76 37.1 29.0 43.6





#15

Acrylonitrile

Concen: 231.989 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

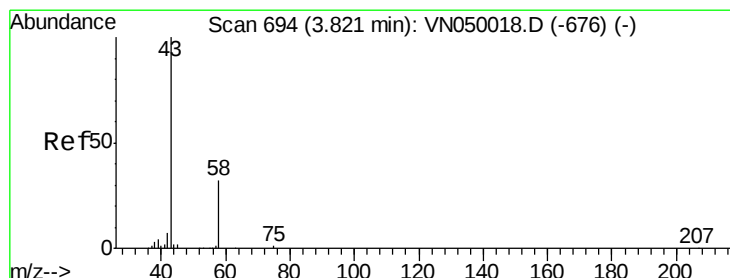
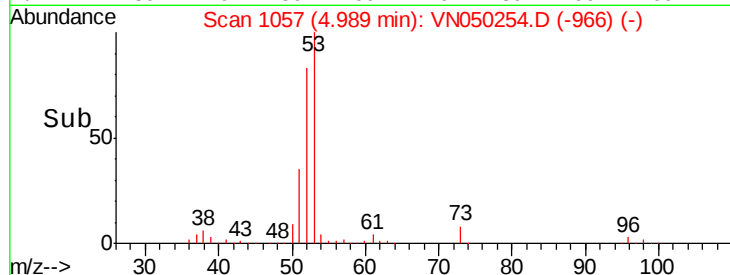
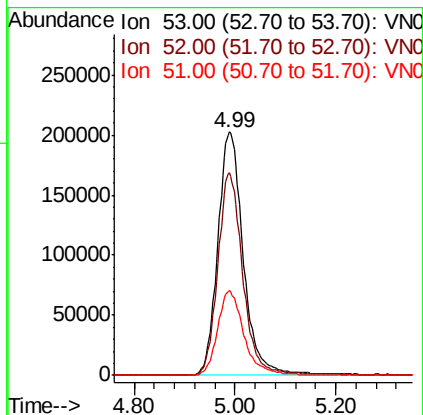
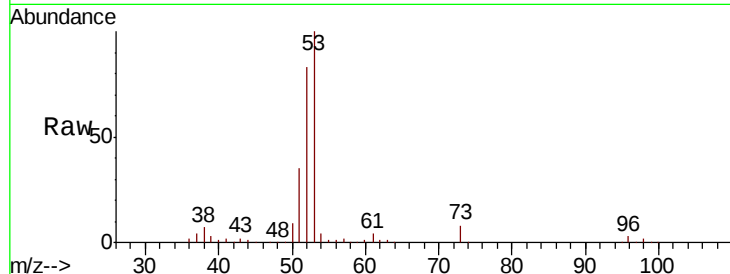
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	710573
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.2	99.2
51	35.7	29.3	43.9

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#16

Acetone

Concen: 279.158 ug/l

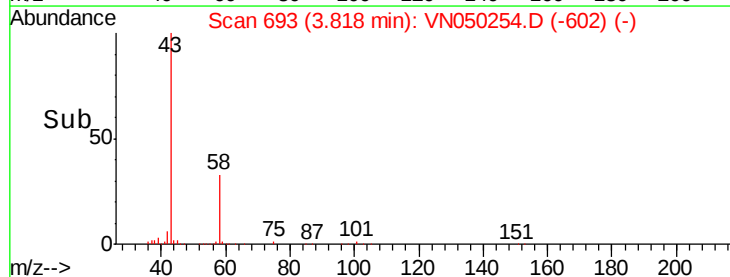
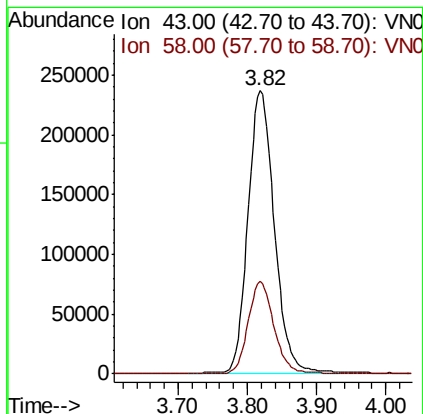
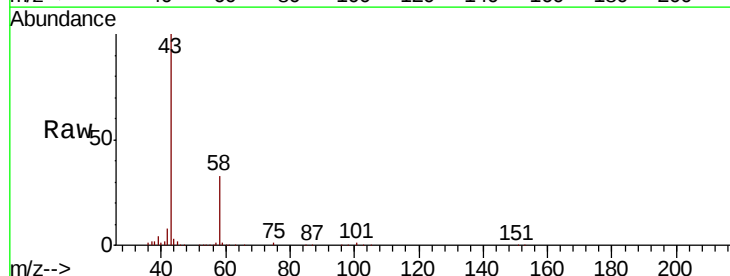
RT: 3.82 min Scan# 693

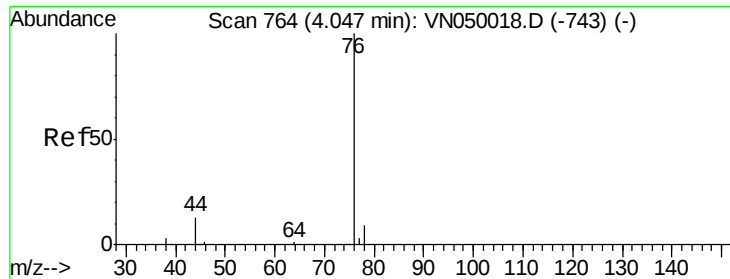
Delta R.T. -0.01 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Tgt Ion:	43	Resp:	626269
Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.8	38.8





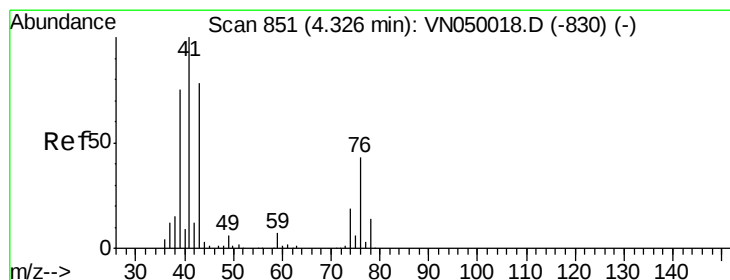
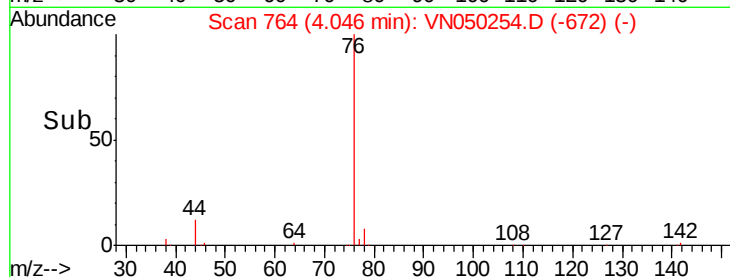
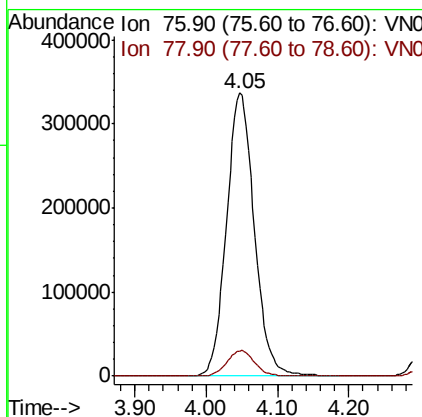
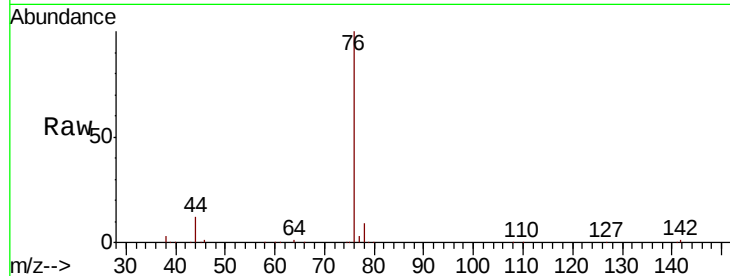
#17
Carbon Disulfide
Concen: 37.886 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

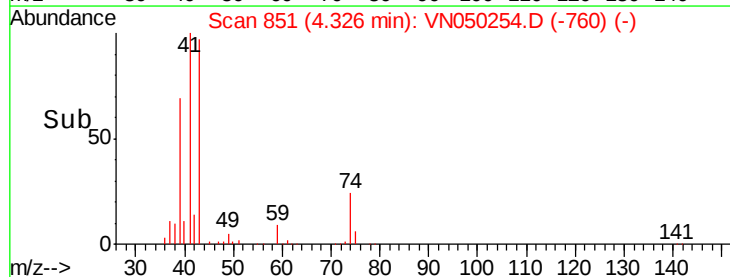
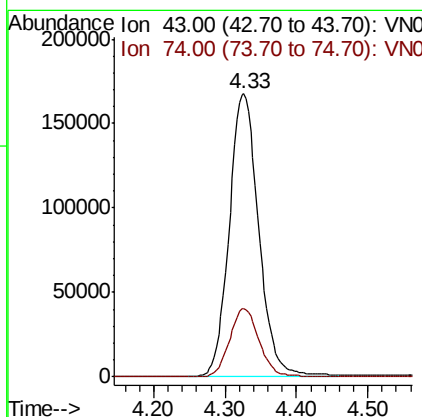
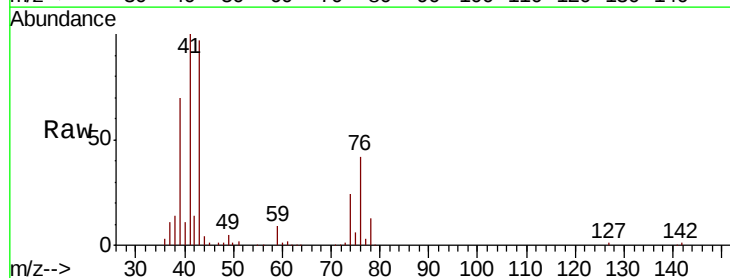
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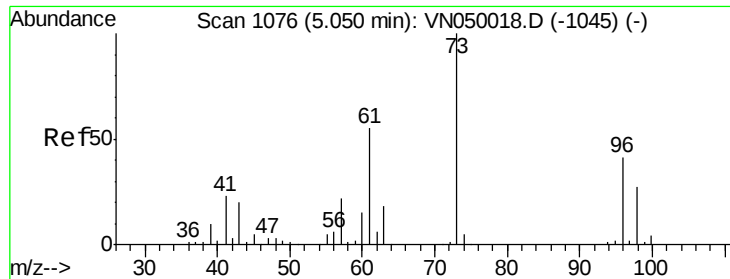
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#18
Methyl Acetate
Concen: 55.212 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





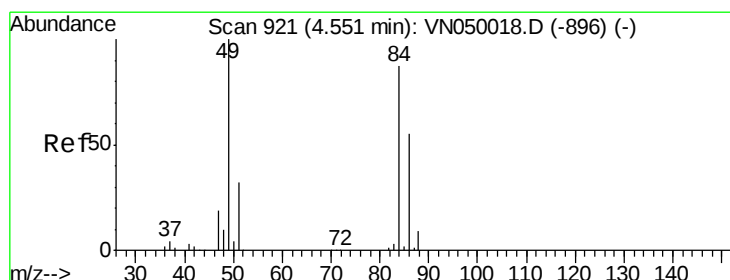
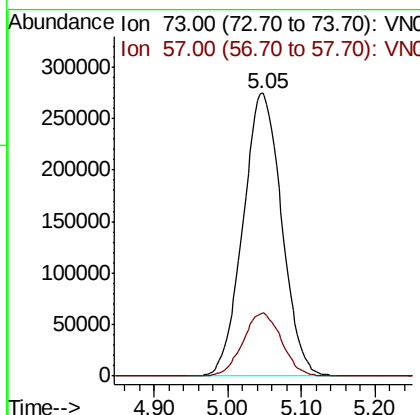
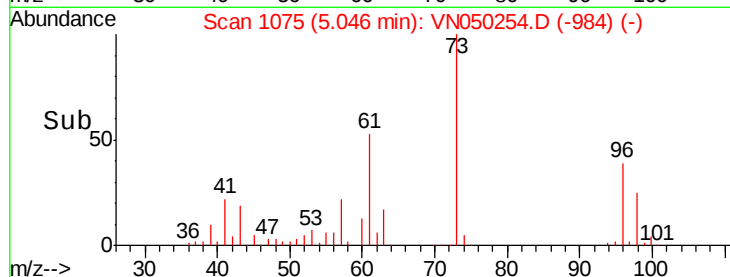
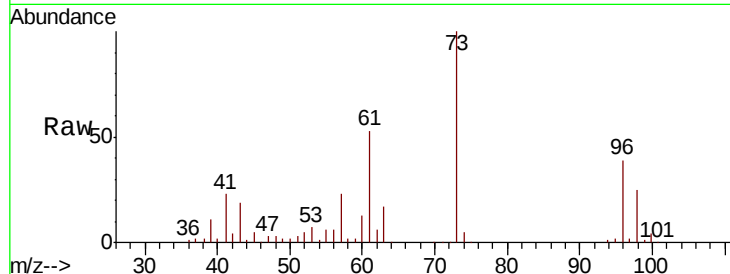
#19
Methyl tert-butyl Ether
Concen: 47.764 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1003278
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

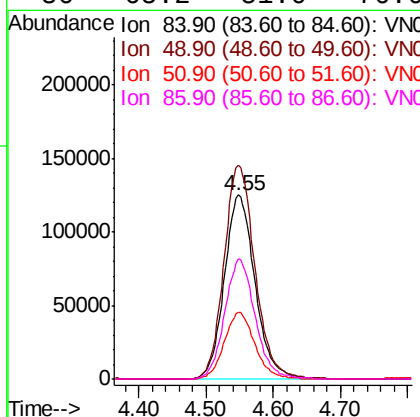
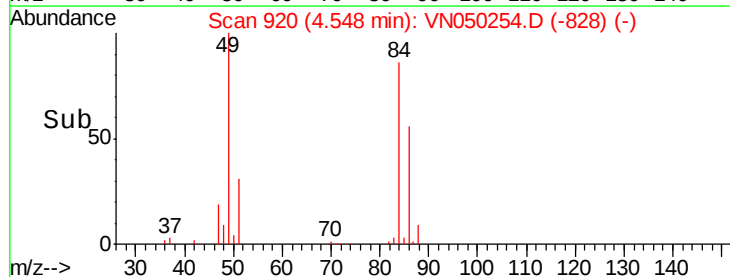
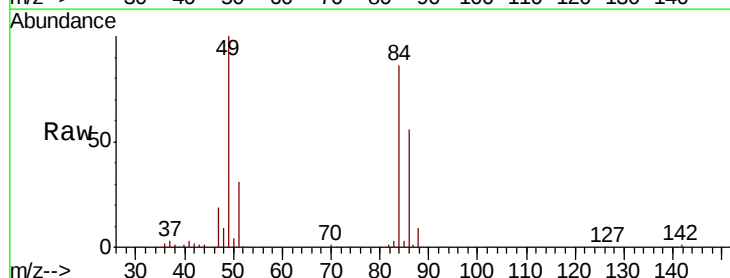
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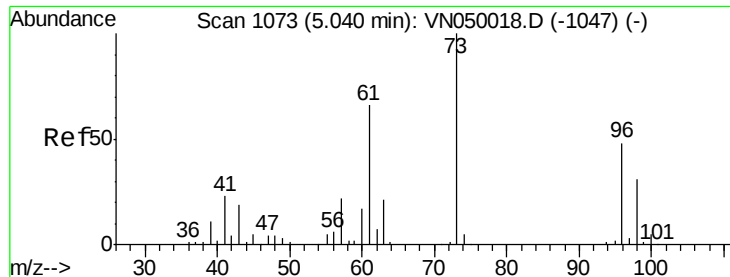
MMDadoda
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#20
Methylene Chloride
Concen: 46.852 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion: 84 Resp: 397035
Ion Ratio Lower Upper
84 100
49 116.0 94.8 142.2
51 36.2 28.3 42.5
86 65.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 43.466 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 363024

Ion Ratio Lower Upper

96 100

61 138.0 110.7 166.1

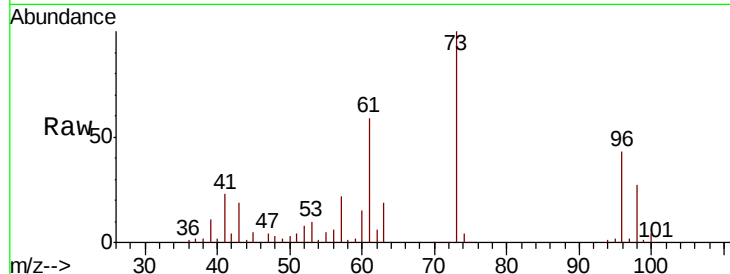
98 63.4 51.6 77.4

Manual Integrations

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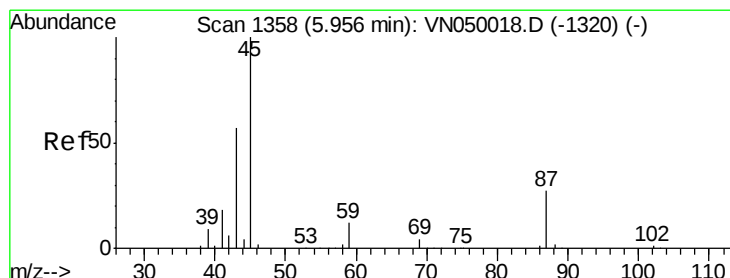
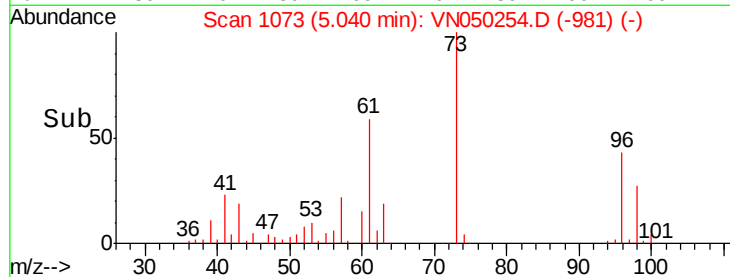
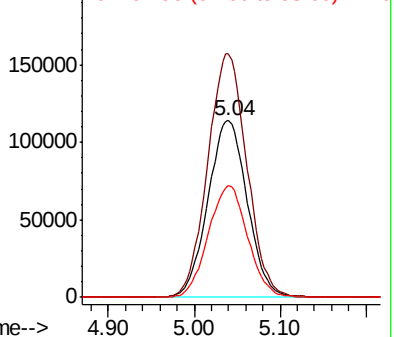


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.636 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Tgt Ion: 45 Resp: 1202855

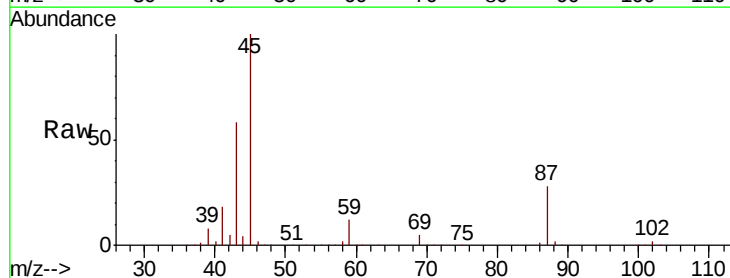
Ion Ratio Lower Upper

45 100

43 57.0 45.7 68.5

87 27.9 22.7 34.1

59 11.8 9.5 14.3



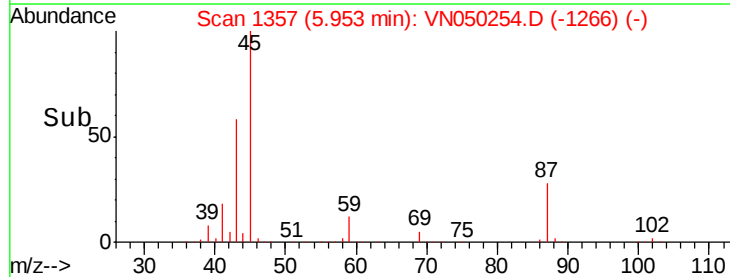
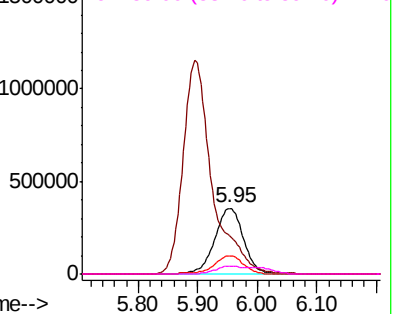
Abundance

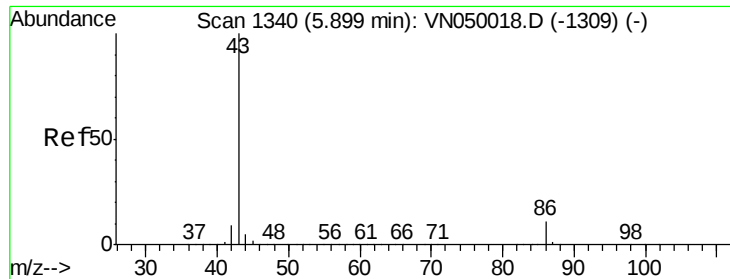
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 229.045 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3922534

Ion Ratio Lower Upper

43 100

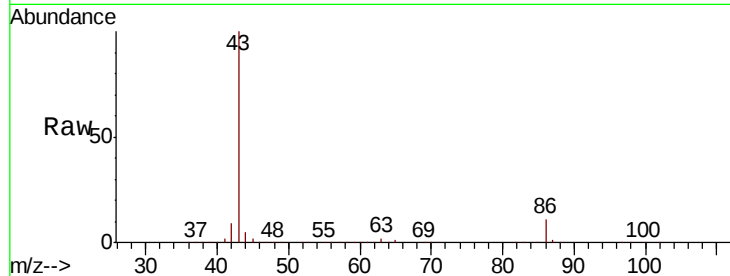
86 10.7 8.6 13.0

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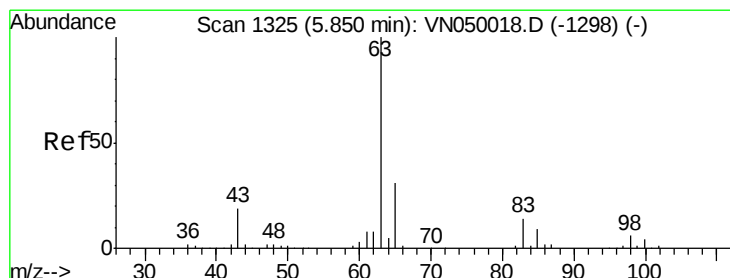
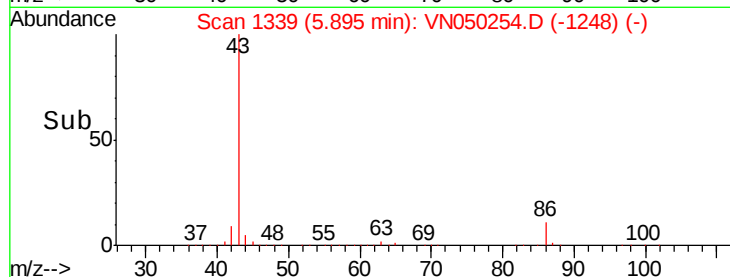
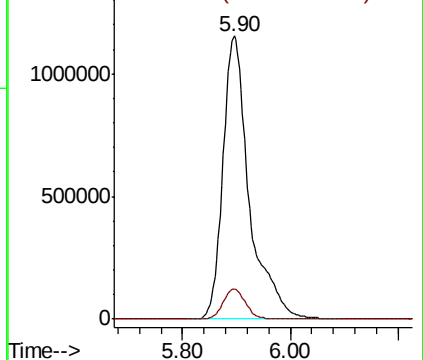
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 44.118 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

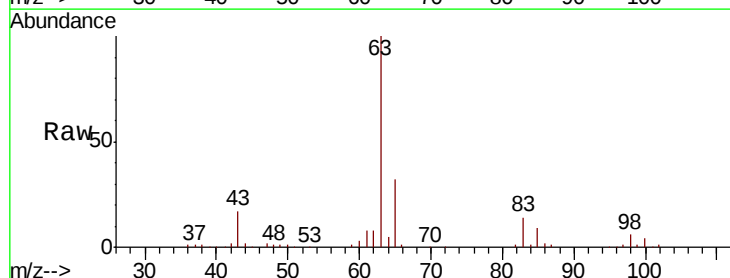
Tgt Ion: 63 Resp: 699124

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

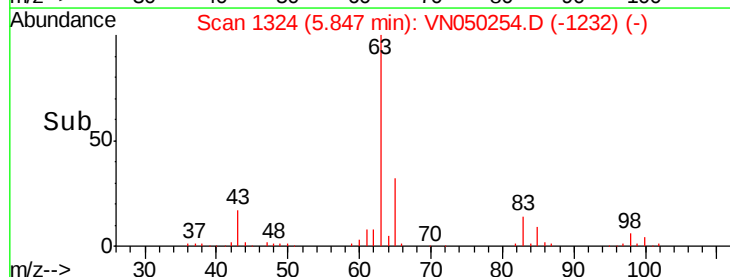
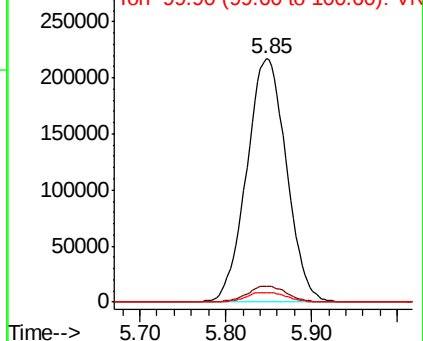
100 3.9 2.1 6.3

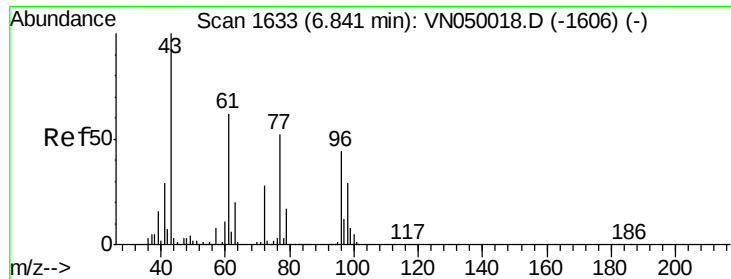


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





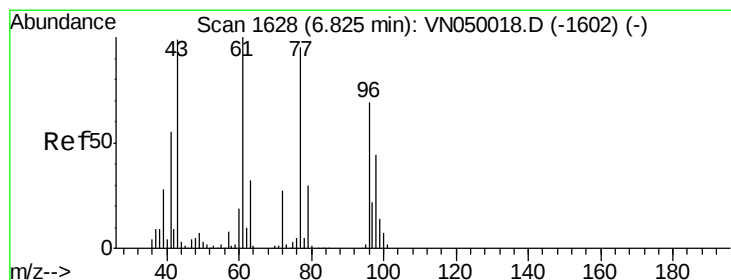
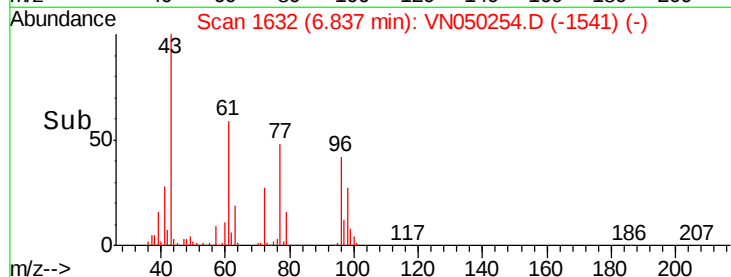
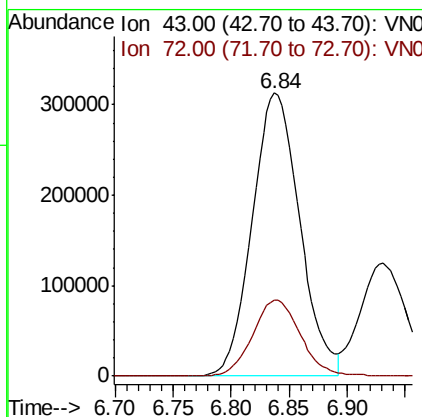
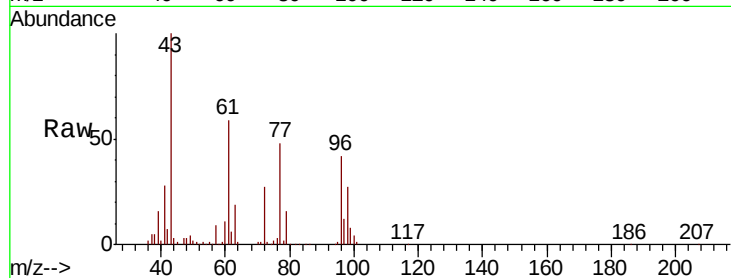
#25
2-Butanone
Concen: 244.577 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.01 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 890117
Ion Ratio Lower Upper
43 100
72 26.7 21.5 32.3

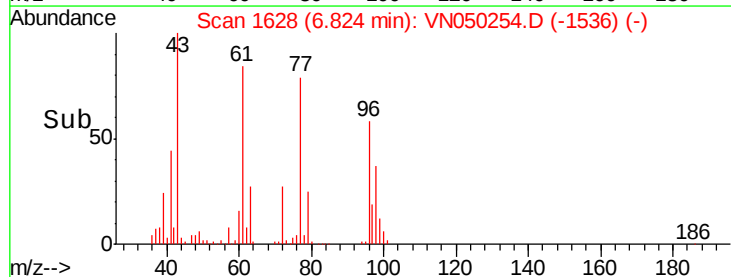
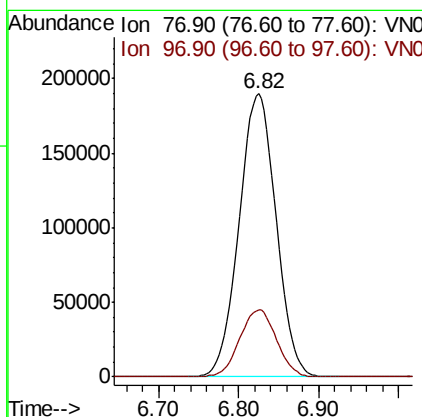
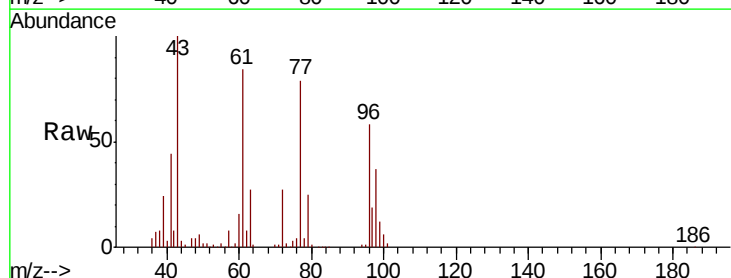
Manual Integrations
APPROVED

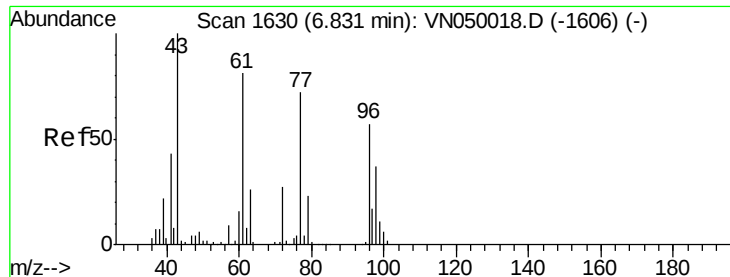
MMDadoda
8/3/2018 9:36:00 AM



#26
2,2-Dichloropropane
Concen: 49.457 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion: 77 Resp: 596220
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.3





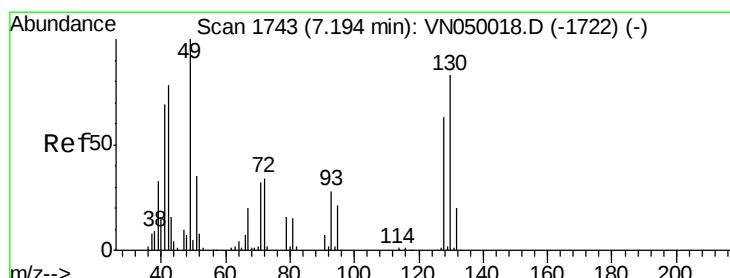
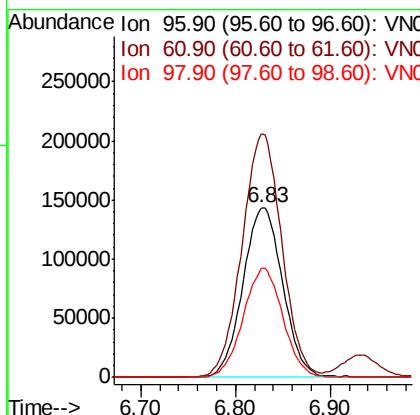
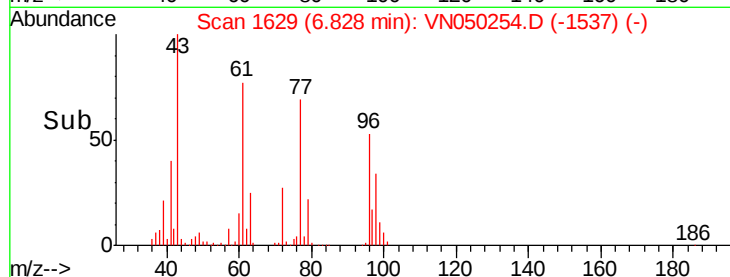
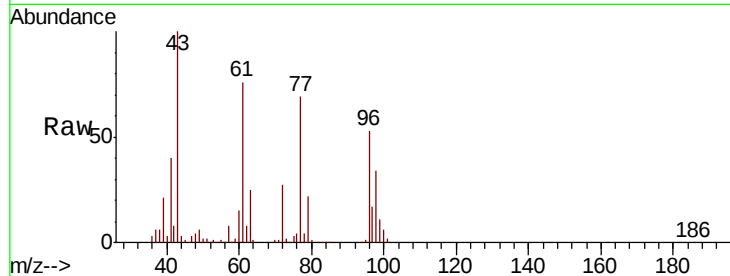
#27
 cis-1,2-Dichloroethene
 Concen: 46.625 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	419191		
61	143.9	0.0	285.0	
98	64.1	0.0	129.2	

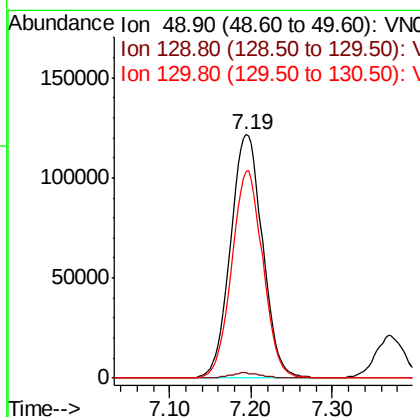
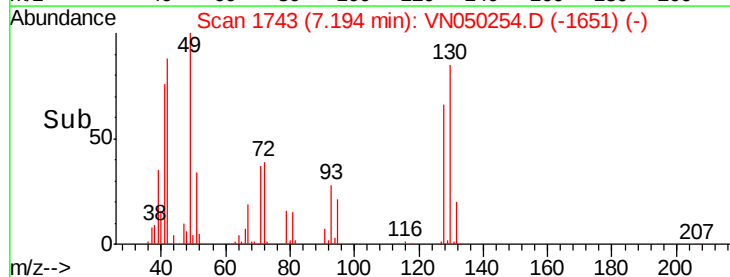
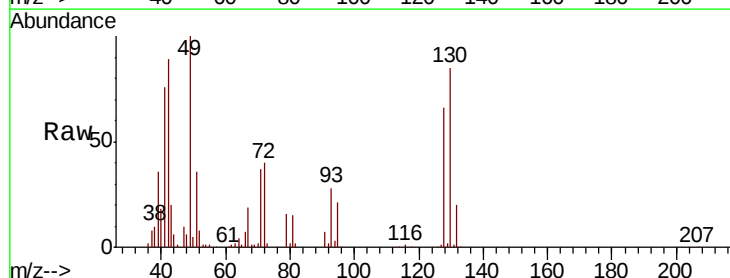
Manual Integrations
 APPROVED

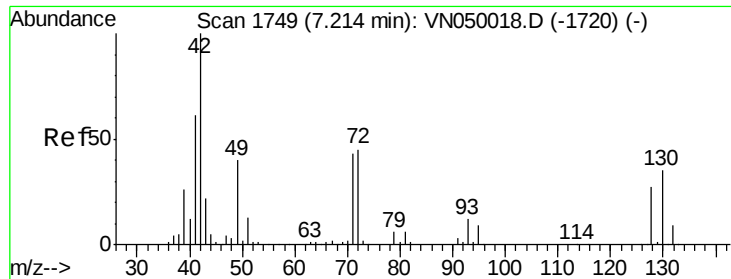
MMDadoda
 8/3/2018 9:36:00 AM



#28
 Bromochloromethane
 Concen: 46.249 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	334282		
129	2.0	0.0	4.0	
130	82.4	66.3	99.5	





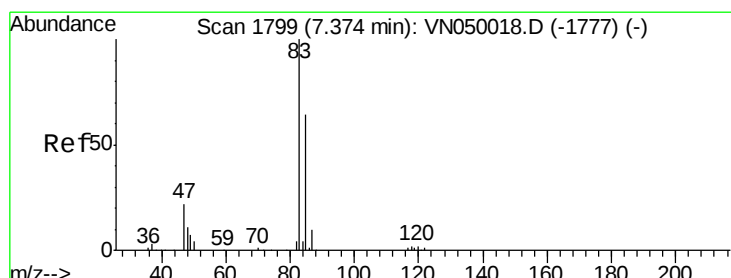
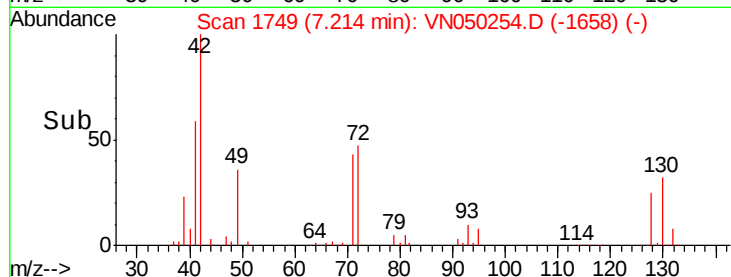
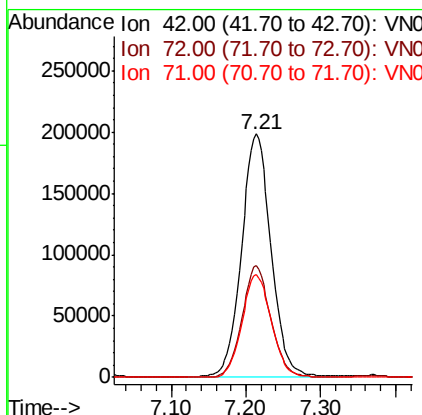
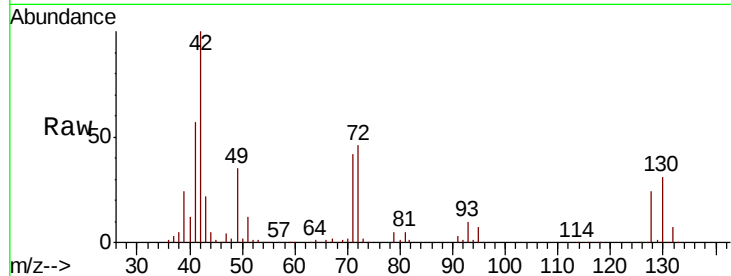
#29
Tetrahydrofuran
Concen: 231.092 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.9	53.9
71	42.0	33.7	50.5

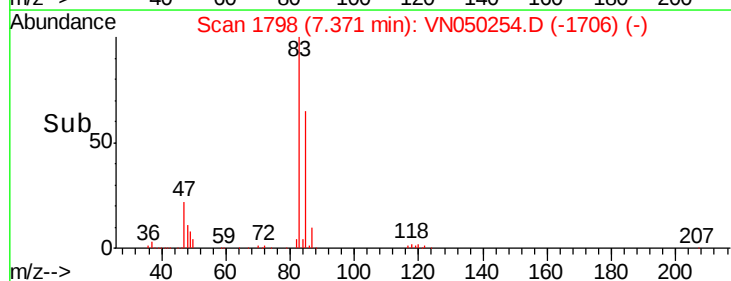
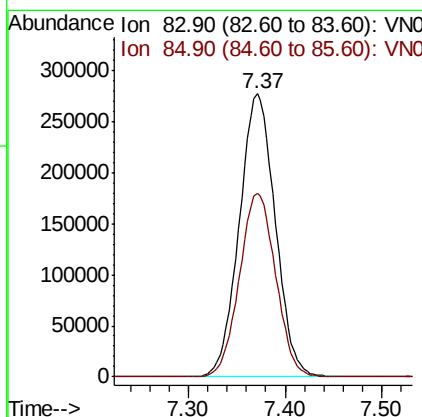
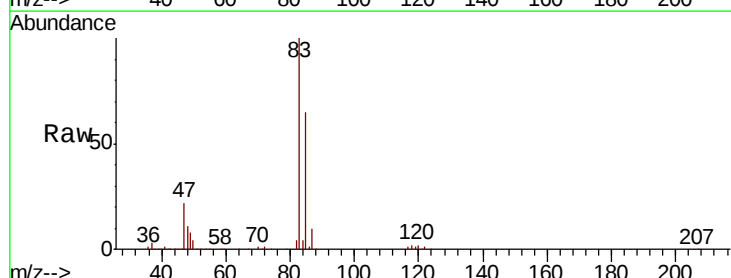
Manual Integrations
APPROVED

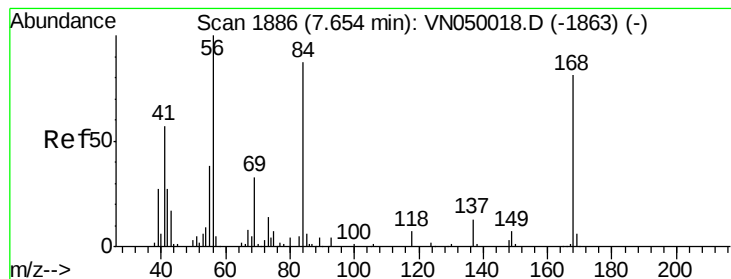
MMDadoda
8/3/2018 9:36:00 AM



#30
Chloroform
Concen: 44.260 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7





#31

Cyclohexane

Concen: 44.101 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

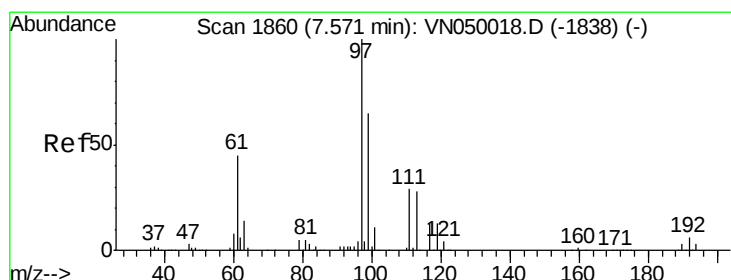
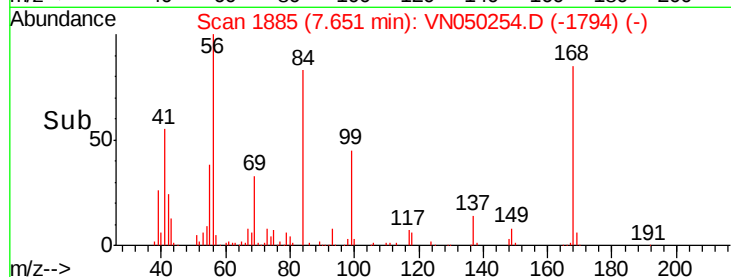
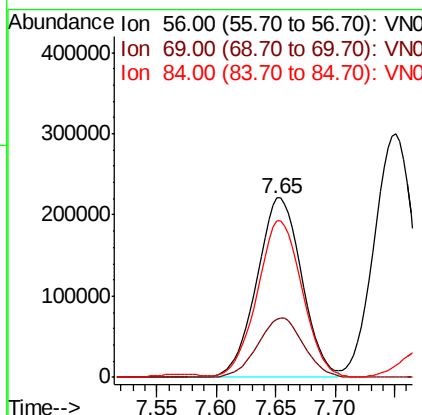
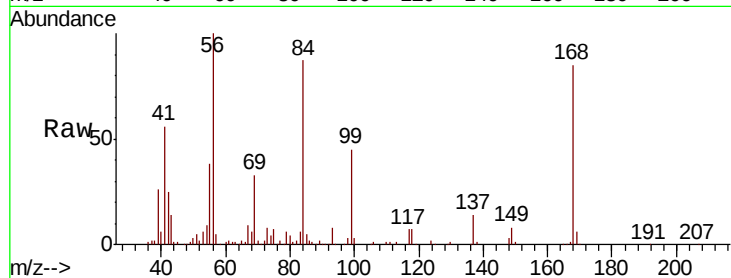
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	579684
Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.2	39.4
84	86.0	67.4	101.0

Manual Integrations
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8/3/2018 9:36:00 AM



#32

1,1,1-Trichloroethane

Concen: 44.255 ug/l

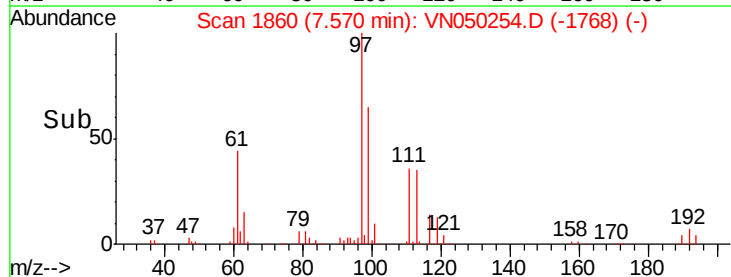
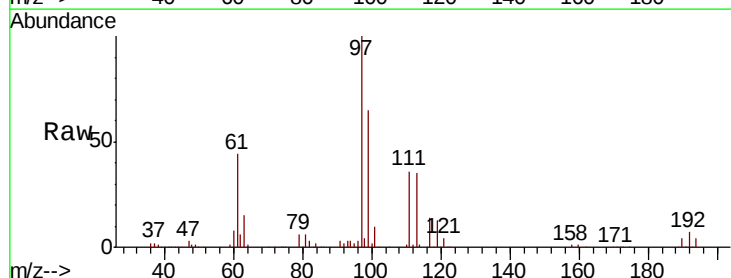
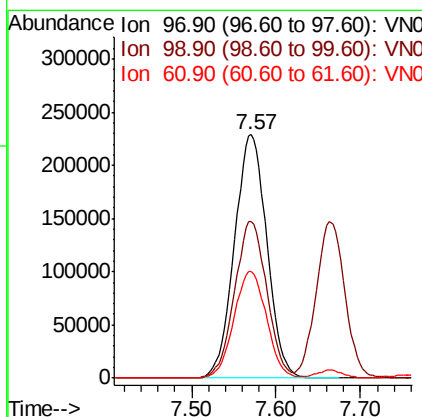
RT: 7.57 min Scan# 1860

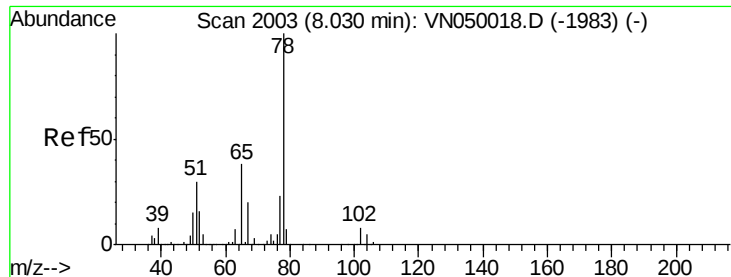
Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Tgt Ion:	97	Resp:	612152
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	44.2	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 46.680 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 445400

Ion Ratio Lower Upper

65 100

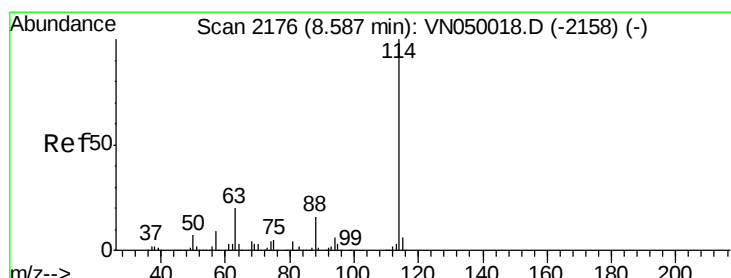
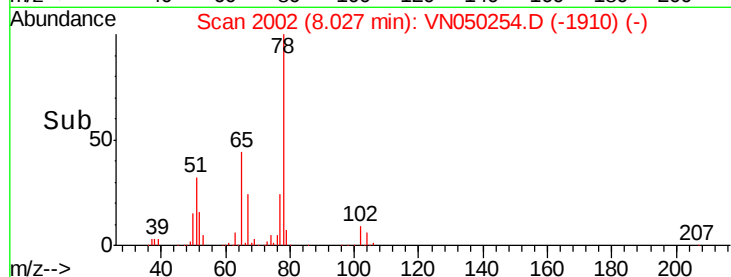
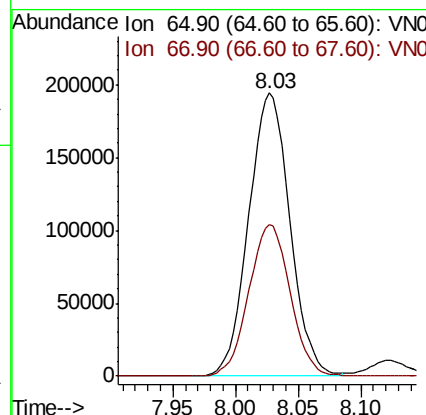
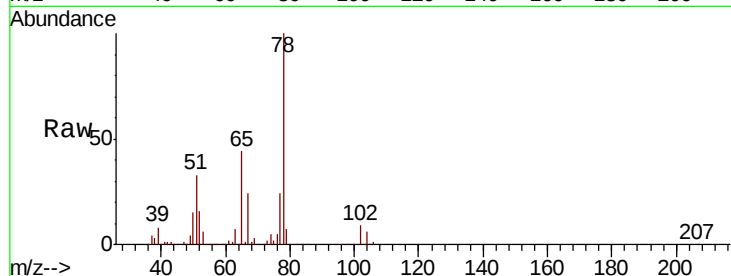
67 53.7 0.0 108.4

Manual Integrations

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8/3/2018 9:36:00 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

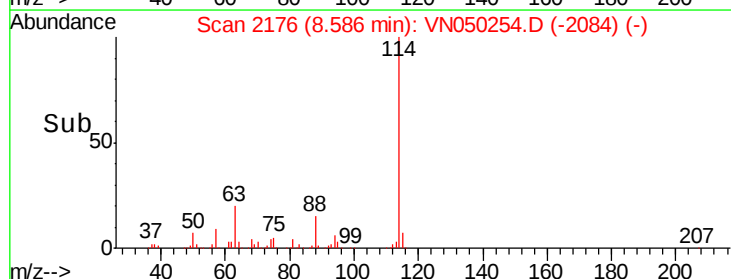
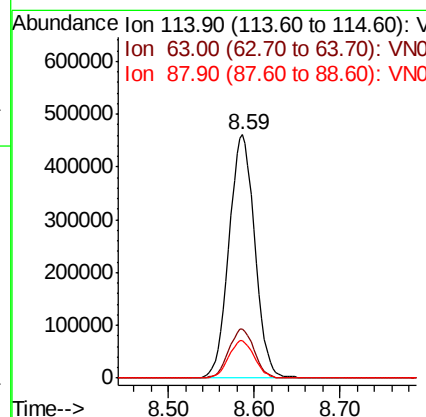
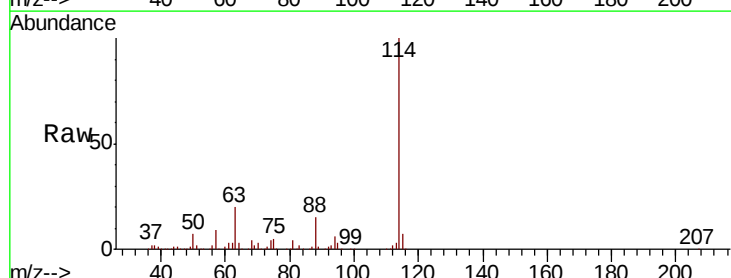
Tgt Ion: 114 Resp: 960883

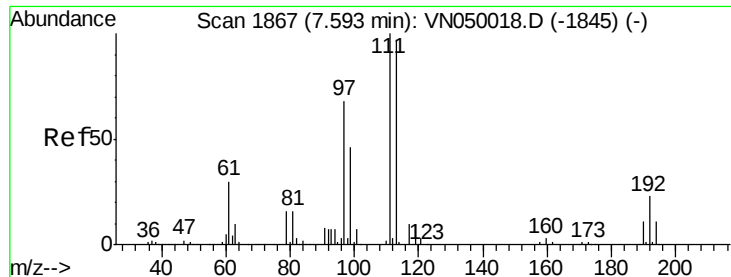
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 15.3 0.0 31.2





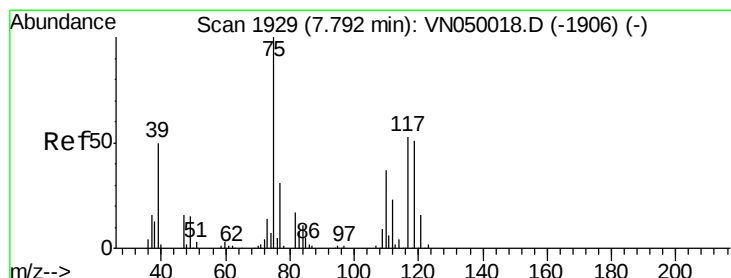
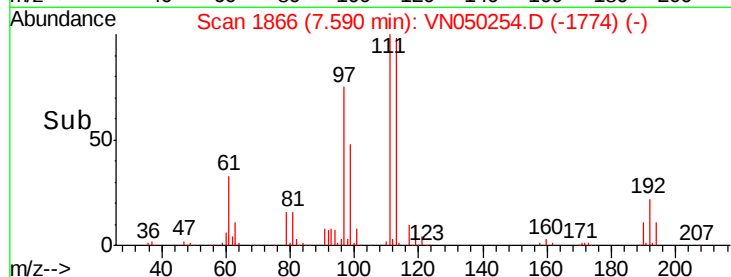
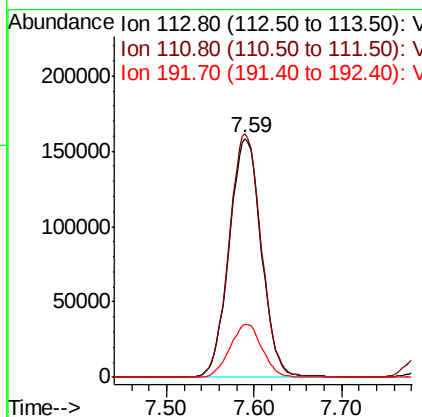
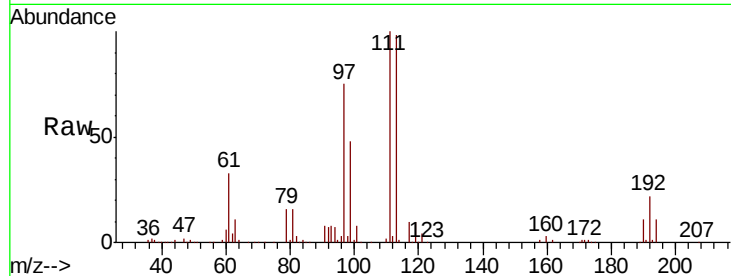
#35
 Dibromofluoromethane
 Concen: 51.467 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	403780		
111	101.9	80.7	121.1	
192	22.2	17.8	26.6	

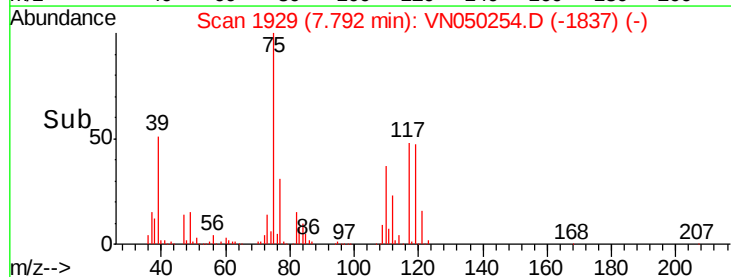
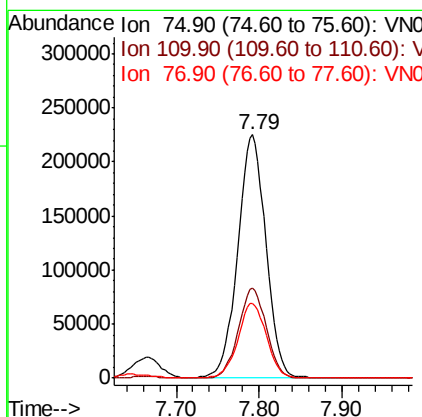
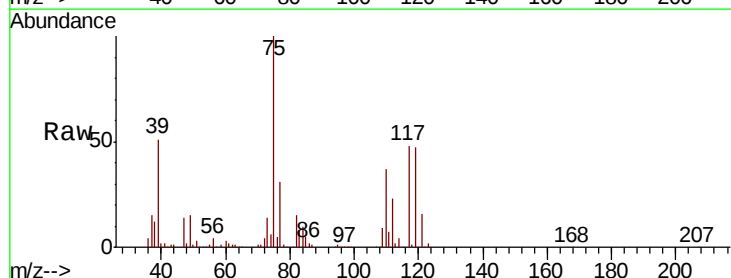
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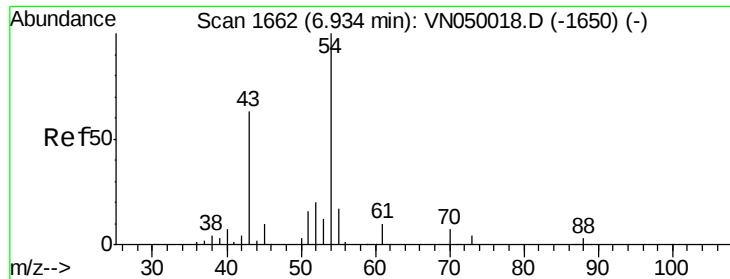
MMDadoda
 8/3/2018 9:36:00 AM



#36
 1,1-Dichloropropene
 Concen: 48.909 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	529467		
110	36.8	18.4	55.2	
77	31.4	25.3	37.9	





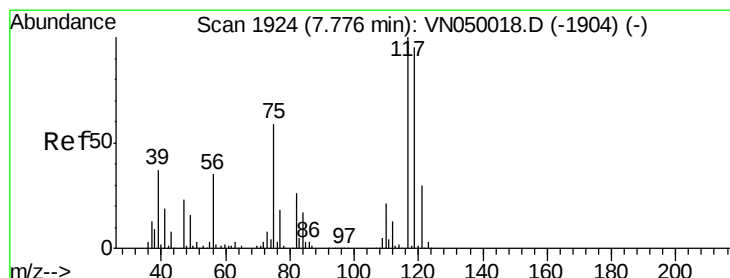
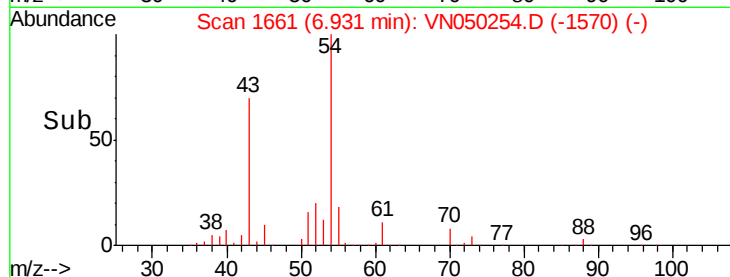
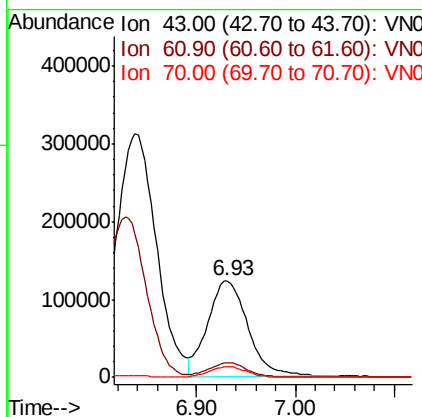
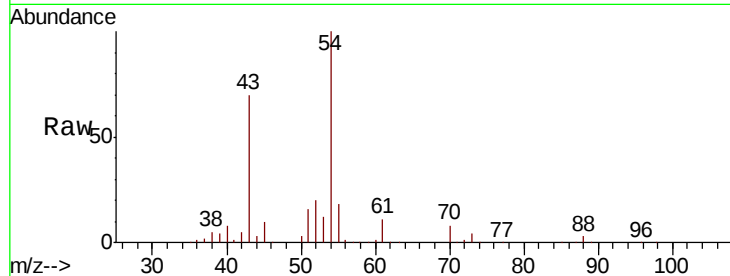
#37
Ethyl Acetate
Concen: 46.547 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.5	11.8	17.8	
70	10.2	8.4	12.6	

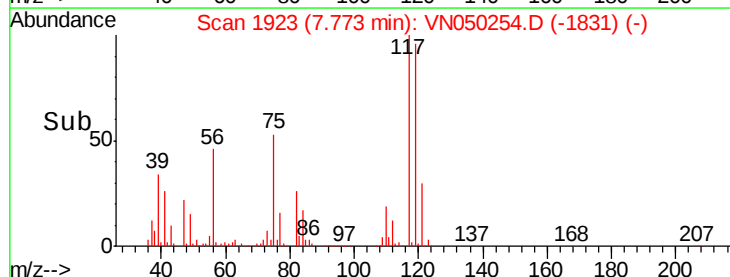
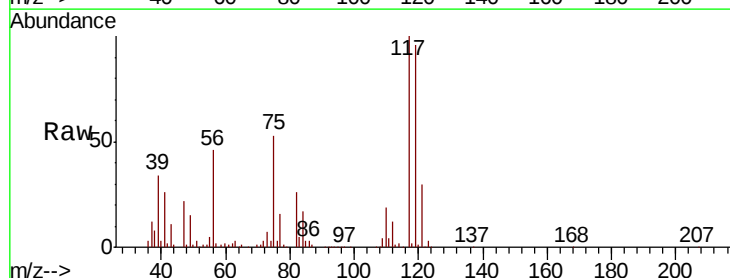
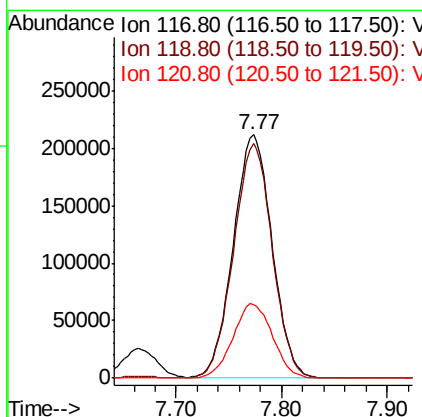
Manual Integrations
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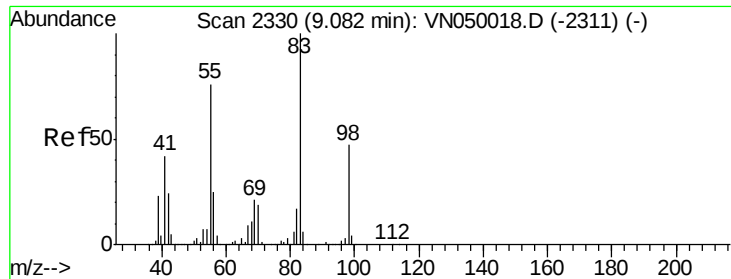
MMDadoda
8/3/2018 9:36:00 AM



#38
Carbon Tetrachloride
Concen: 47.022 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.1	77.4	116.0	
121	30.4	23.9	35.9	





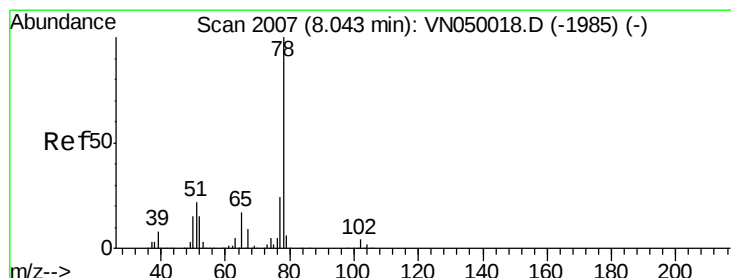
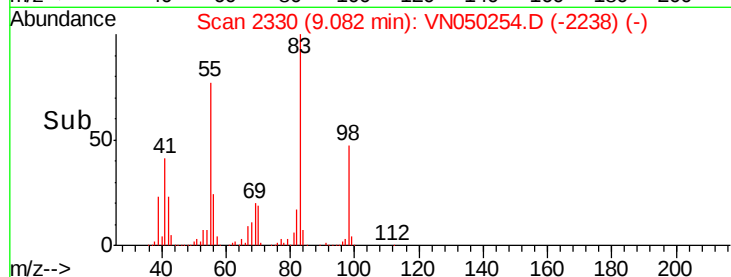
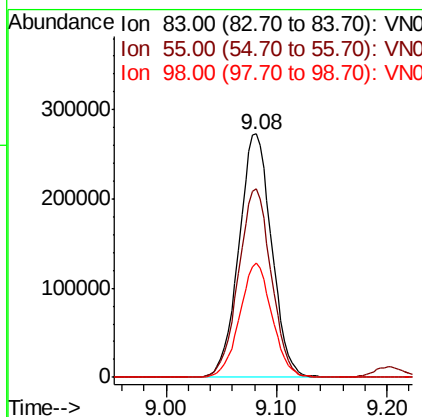
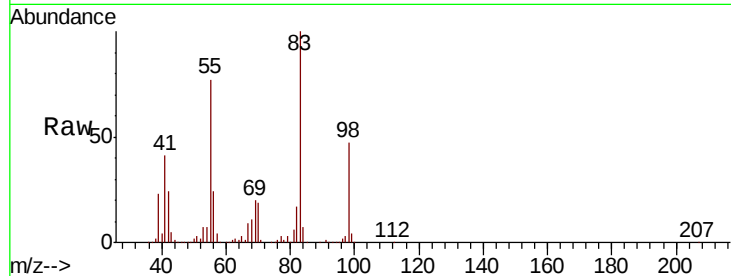
#39
Methvlcvclohexane
Concen: 50.305 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.5	61.8	92.8	
98	46.9	36.5	54.7	

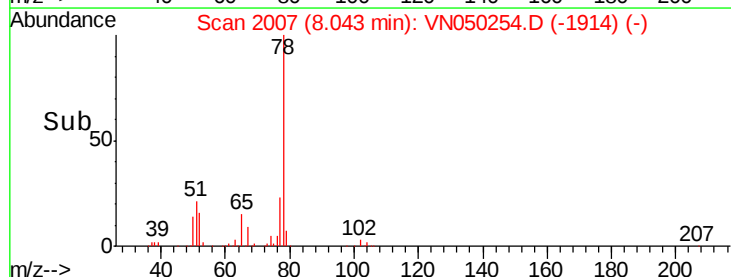
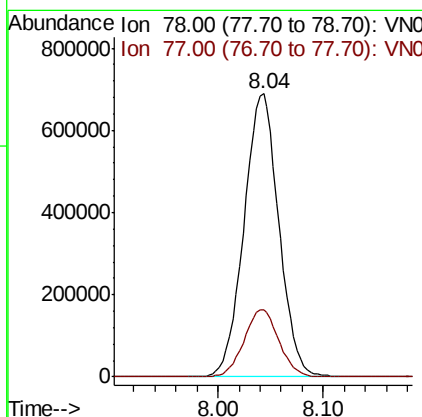
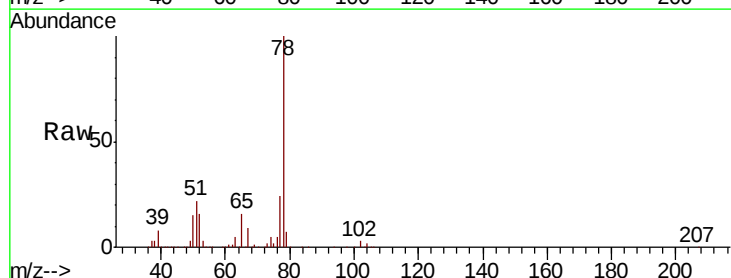
Manual Integrations
APPROVED

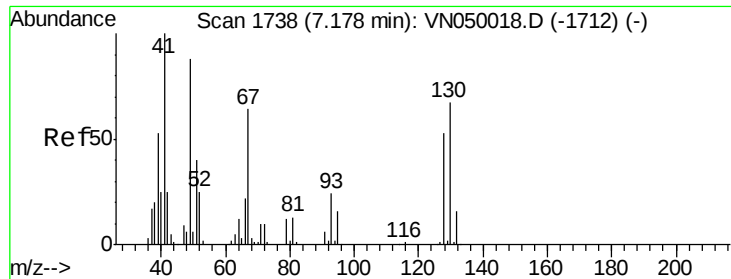
MMDadoda
8/3/2018 9:36:00 AM



#40
Benzene
Concen: 48.125 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.7	28.1	





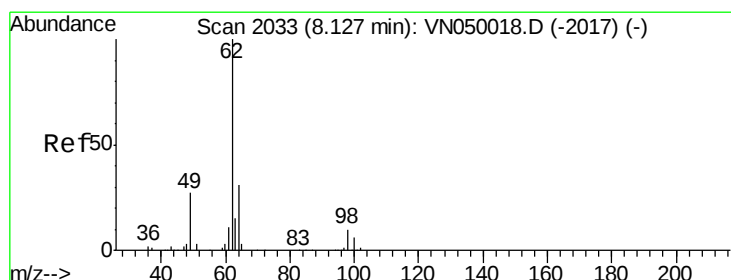
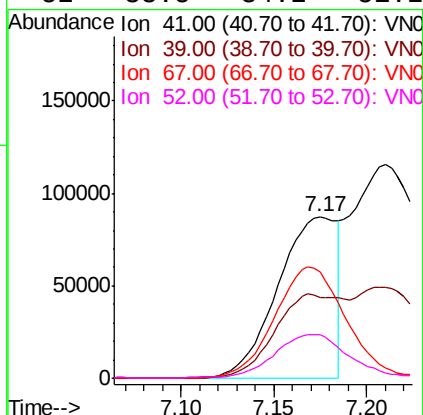
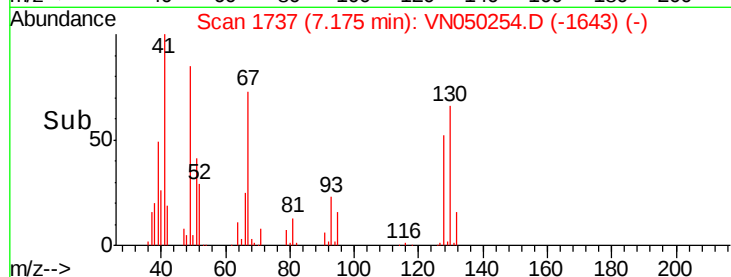
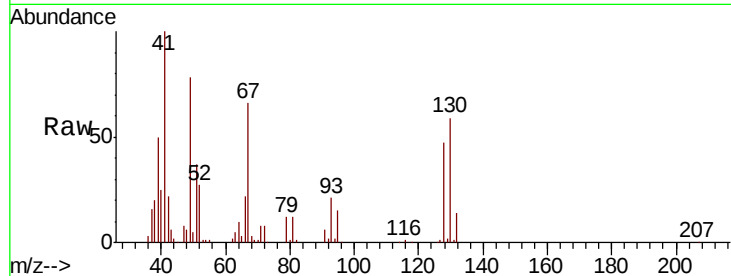
#41
Methacrylonitrile
Concen: 49.303 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		193655		
39	61.7	55.8	83.6		
67	84.1	84.3	126.5#		
52	33.5	34.2	51.2#		

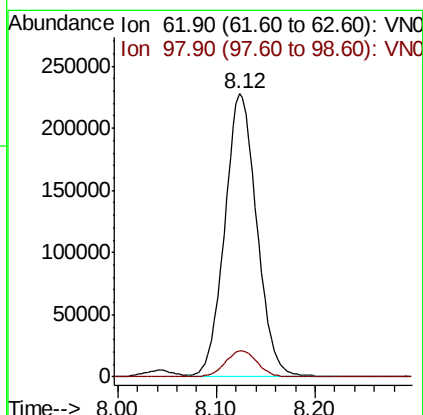
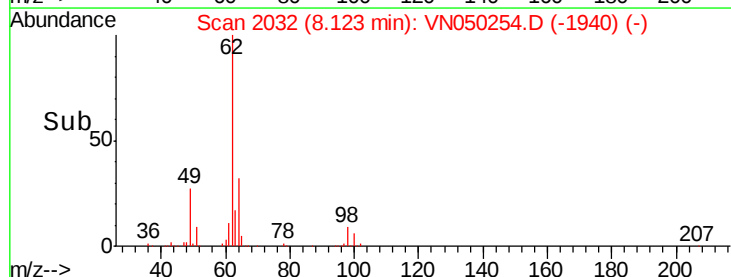
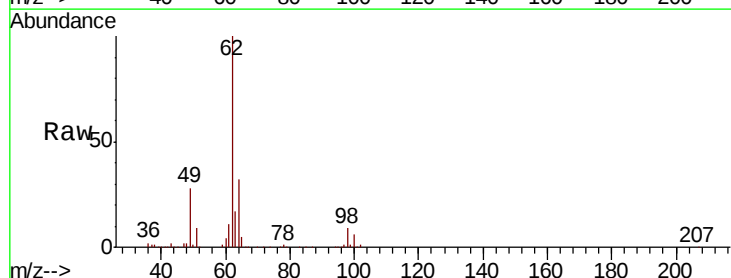
Manual Integrations
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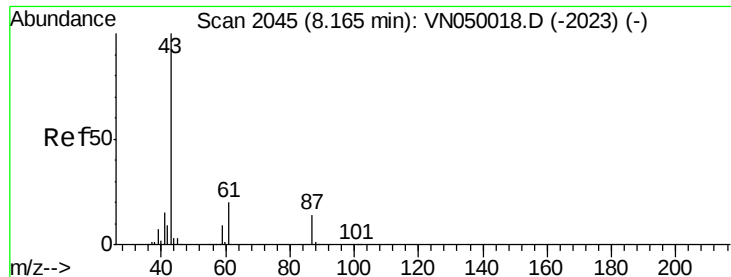
MMDadoda
8/3/2018 9:36:00 AM



#42
1,2-Dichloroethane
Concen: 46.838 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		514744		
98	9.4	0.0	18.8		





#43

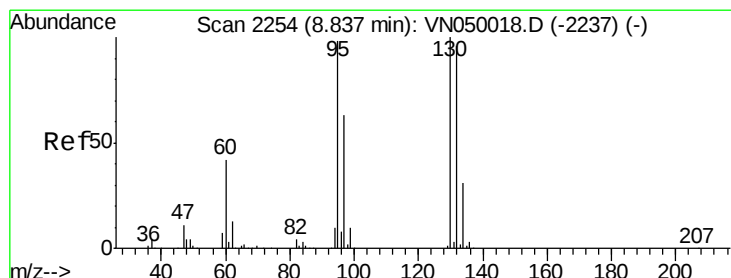
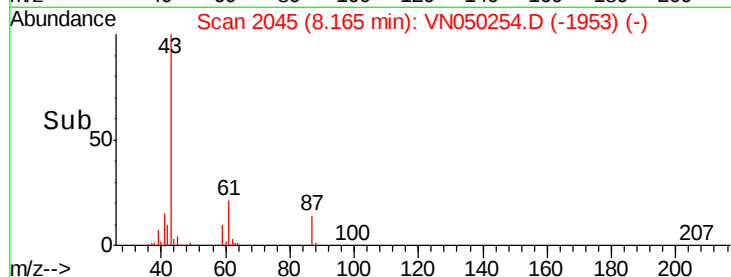
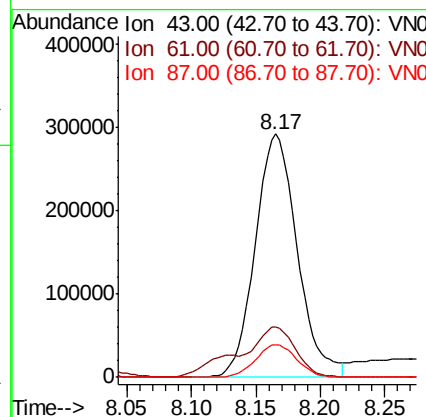
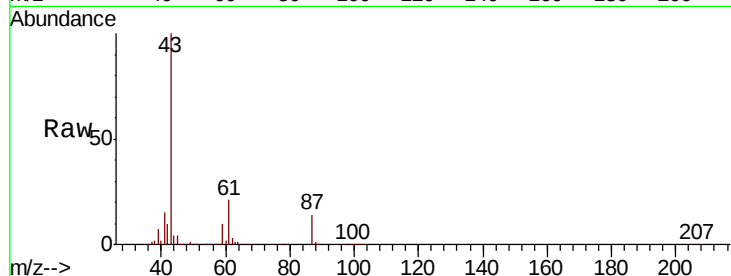
Isopropyl Acetate
 Concen: 46.476 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.6
87	13.2	10.3	15.5

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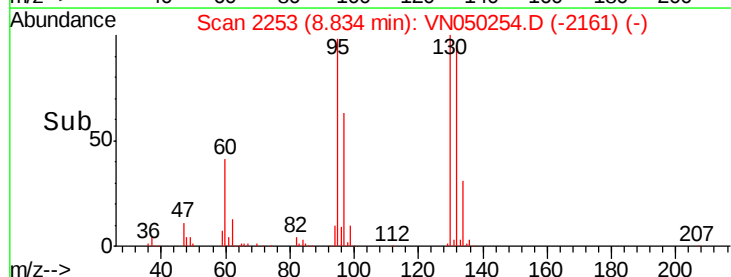
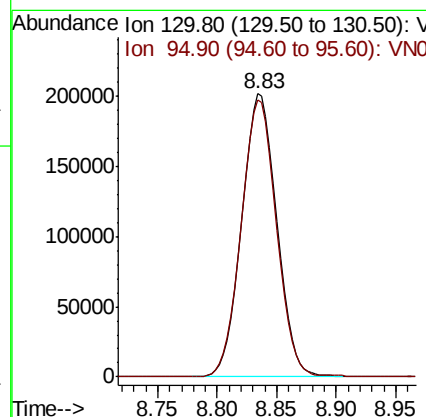
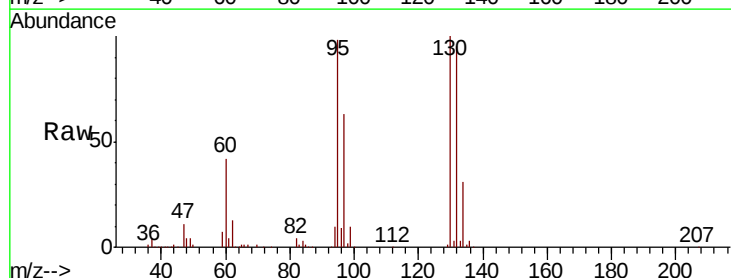
MMDadoda
 8/3/2018 9:36:00 AM

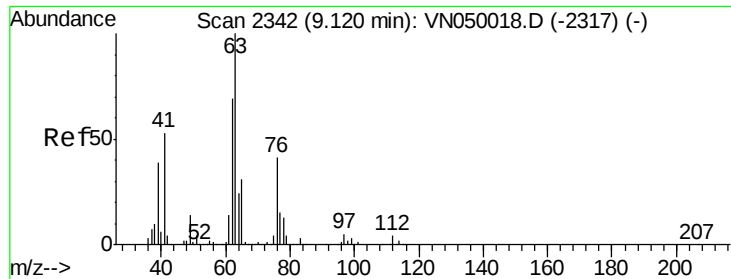


#44

Trichloroethene
 Concen: 46.581 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	194.6





#45

1,2-Dichloropropane

Concen: 49.205 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 429332

Ion Ratio Lower Upper

63 100

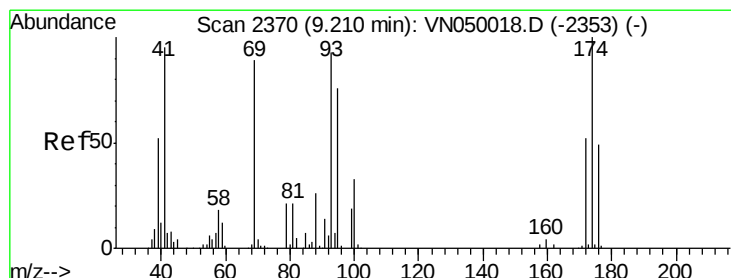
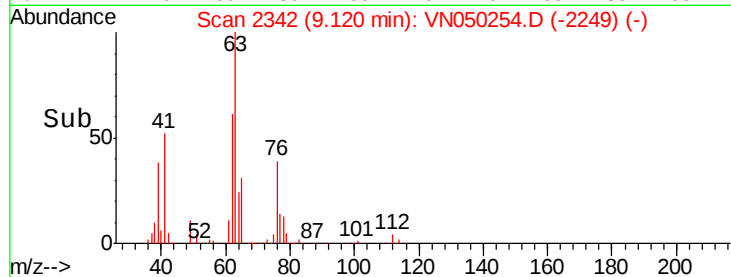
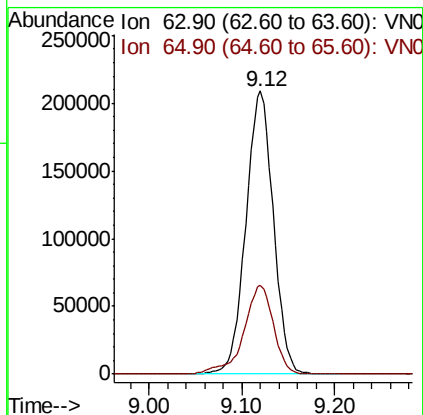
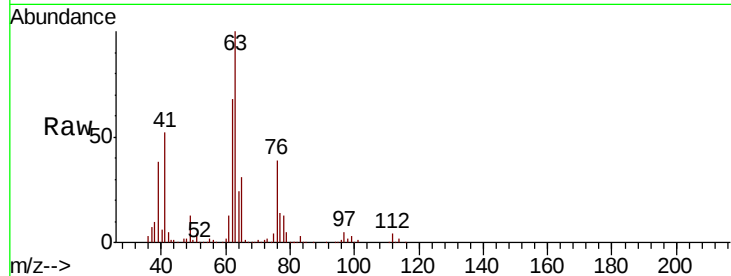
65 31.4 25.5 38.3

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#46

Dibromomethane

Concen: 48.149 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

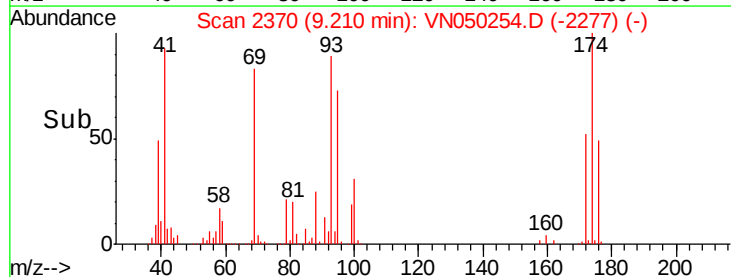
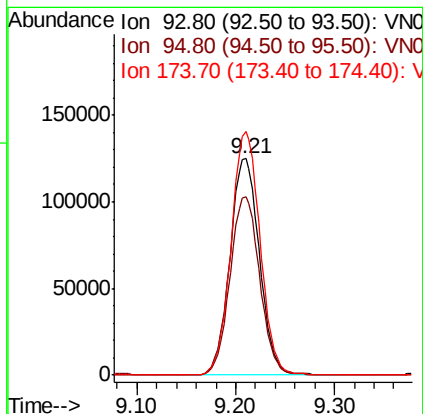
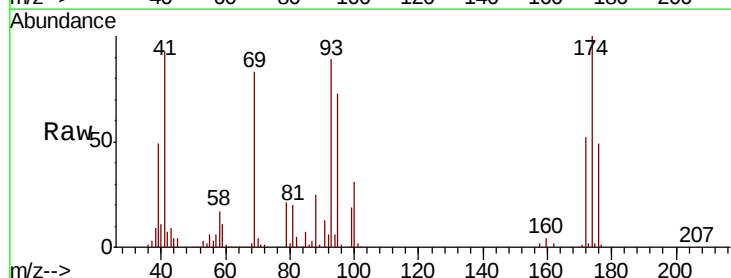
Tgt Ion: 93 Resp: 260861

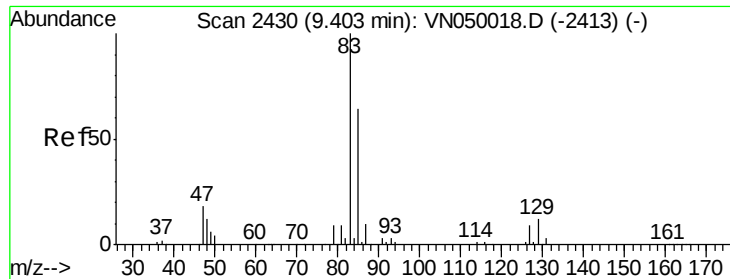
Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

174 110.4 87.1 130.7





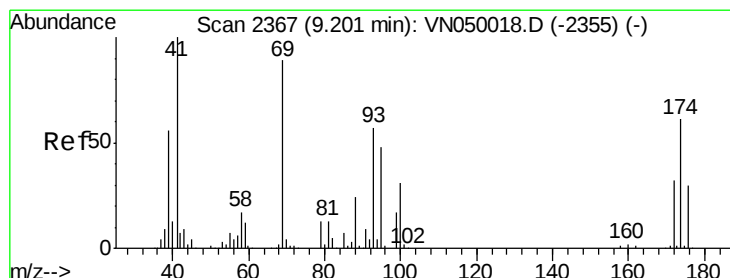
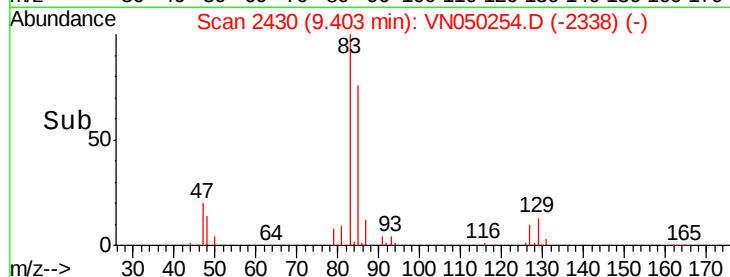
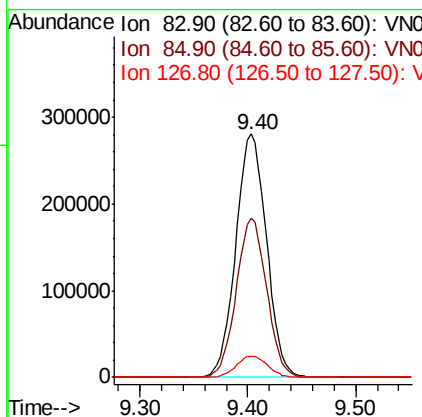
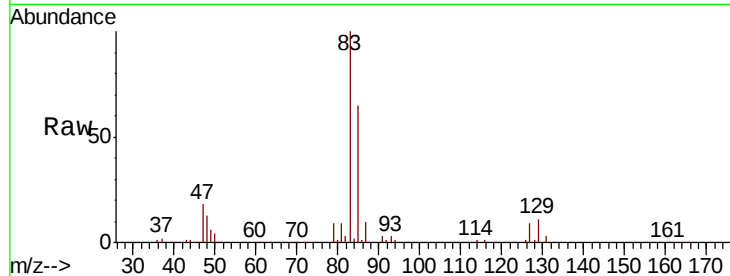
#47
Bromodichloromethane
Concen: 48.683 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	556671		
85	65.4	51.1	76.7	
127	8.6	7.0	10.4	

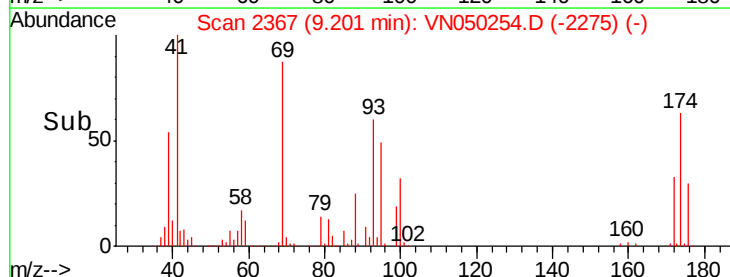
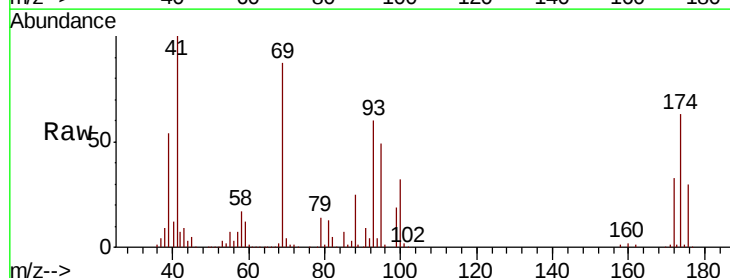
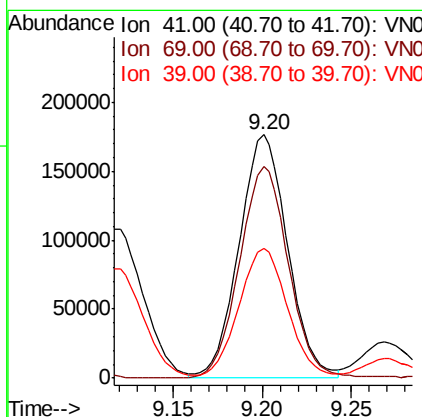
Manual Integrations
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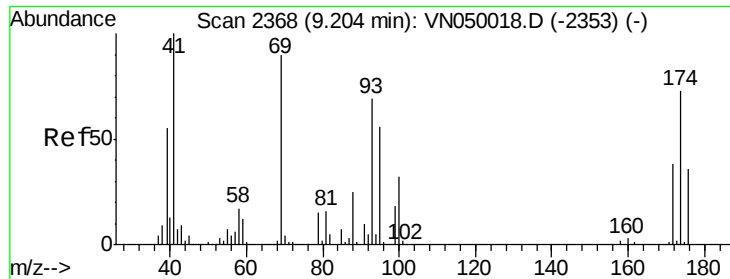
MMDadoda
8/3/2018 9:36:00 AM



#48
Methyl methacrylate
Concen: 51.327 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	333644		
69	88.7	70.6	105.8	
39	54.1	43.9	65.9	





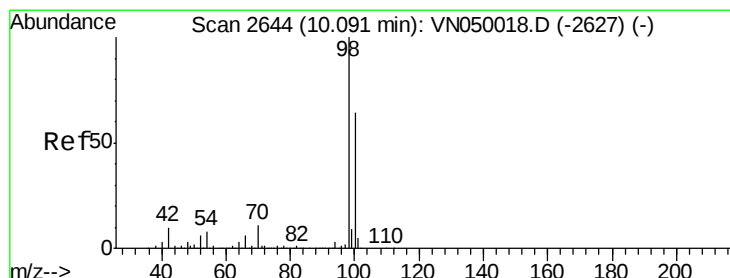
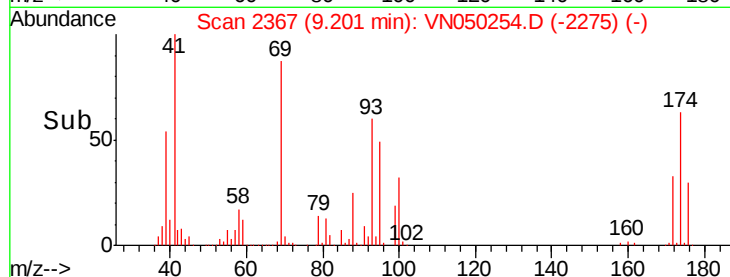
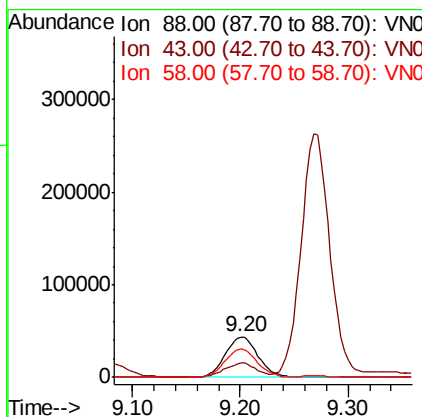
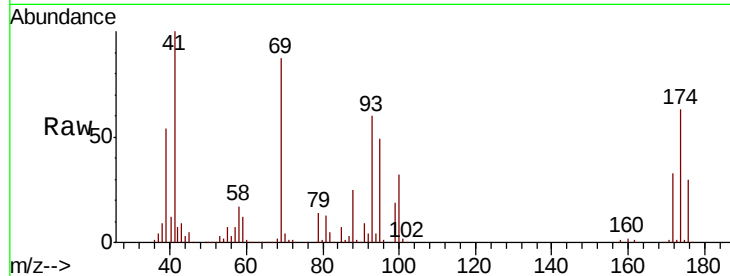
#49
 1,4-Dioxane
 Concen: 1052.980 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	93149
Ion Ratio	Lower	Upper	
88	100		
43	32.2	26.9	40.3
58	68.8	57.3	85.9

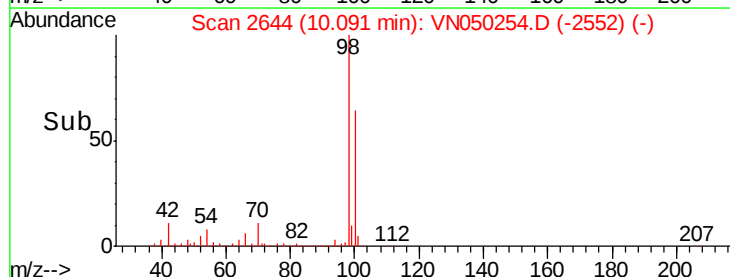
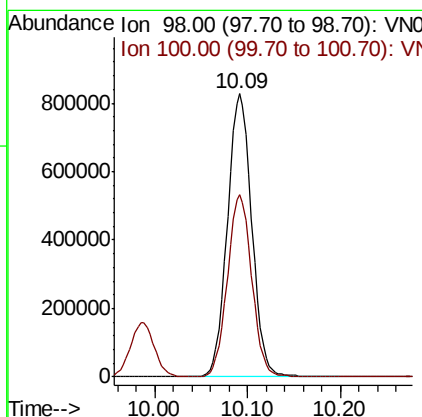
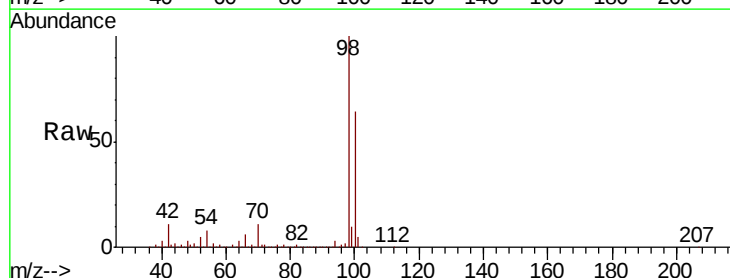
Manual Integrations
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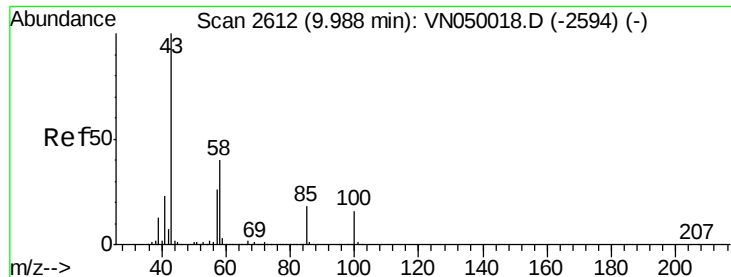
MMDadoda
 8/3/2018 9:36:00 AM



#50
 Toluene-d8
 Concen: 52.197 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Tgt Ion	98	Resp	1505500
Ion Ratio	Lower	Upper	
98	100		
100	64.1	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 254.849 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1890926

Ion Ratio Lower Upper

43 100

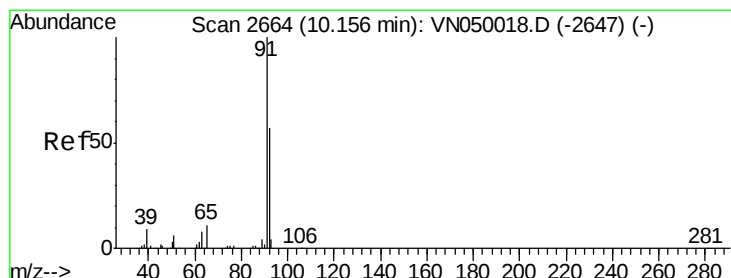
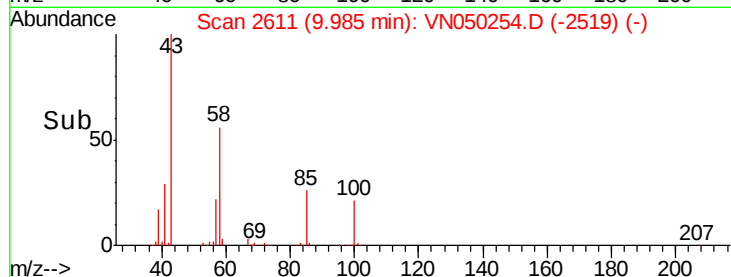
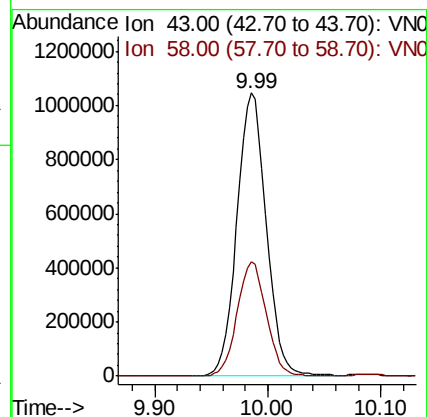
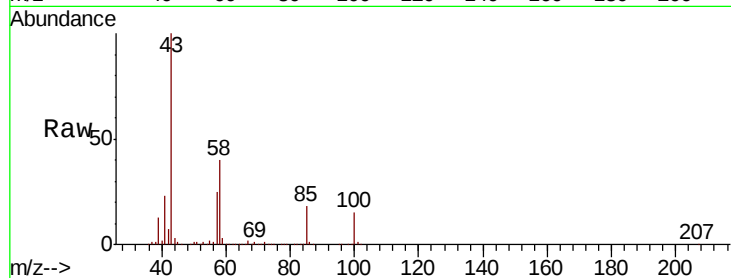
58 40.3 31.9 47.9

Manual Integrations

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MMDadoda

8/3/2018 9:36:00 AM



#52

Toluene

Concen: 51.197 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050254.D

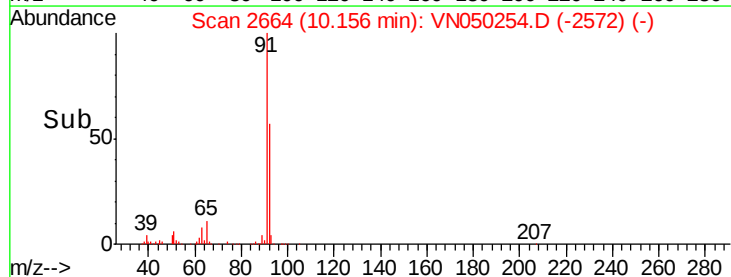
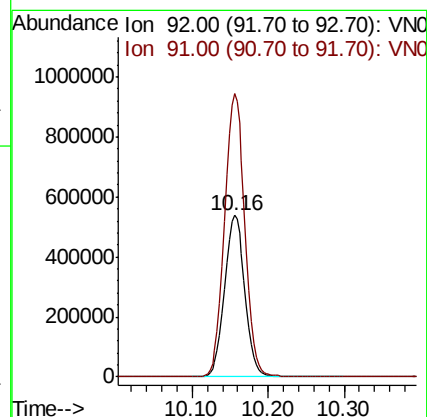
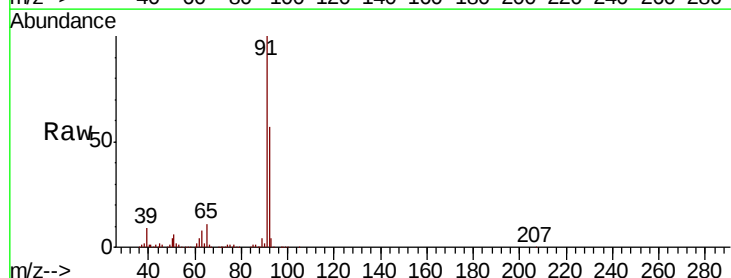
Acq: 2 Aug 2018 10:37

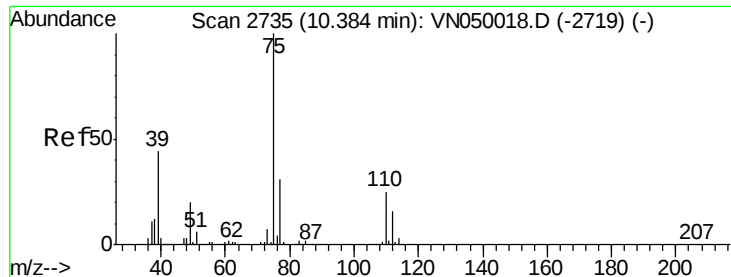
Tgt Ion: 92 Resp: 995552

Ion Ratio Lower Upper

92 100

91 175.5 140.3 210.5





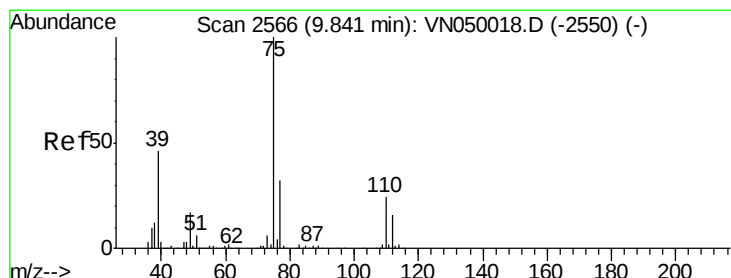
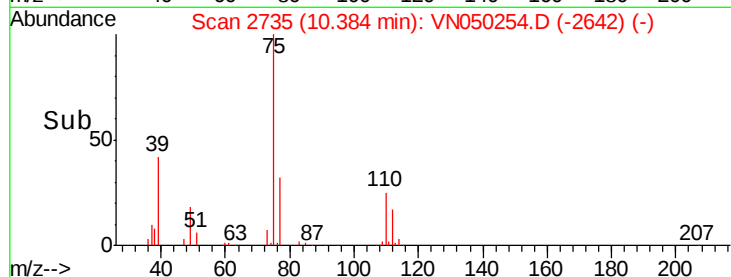
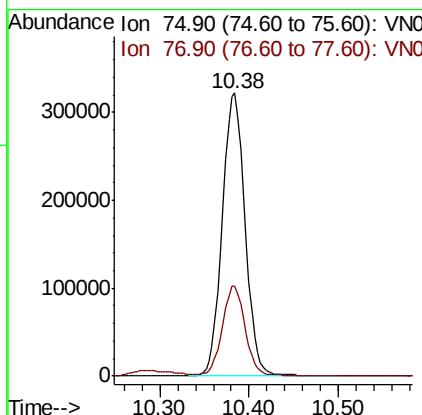
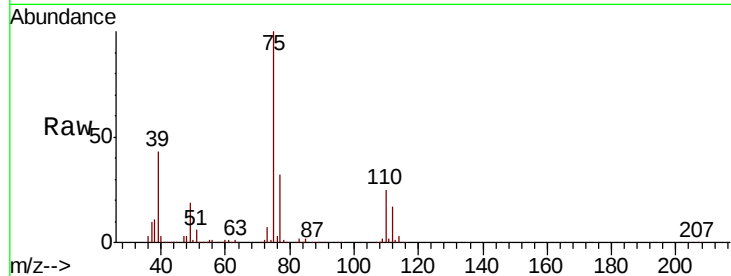
#53
t-1,3-Dichloropropene
Concen: 52.955 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

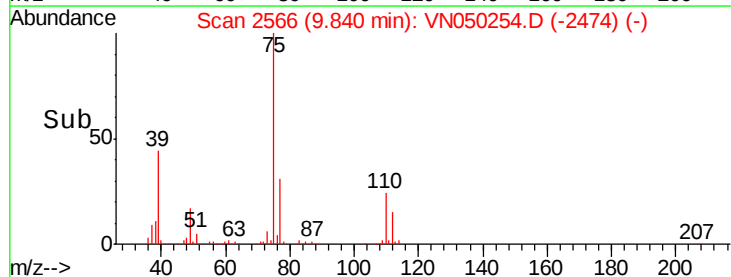
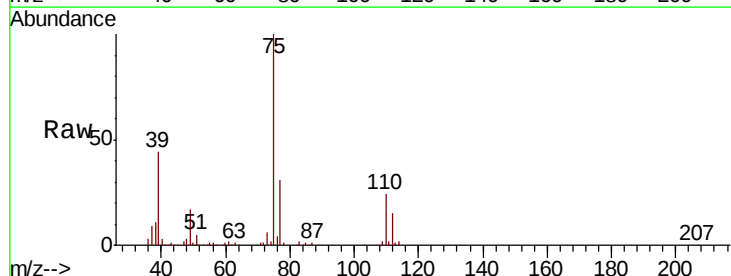
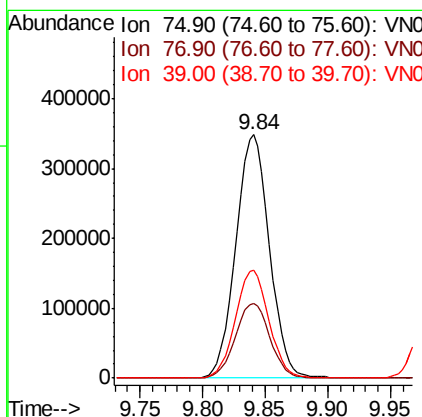
Manual Integrations
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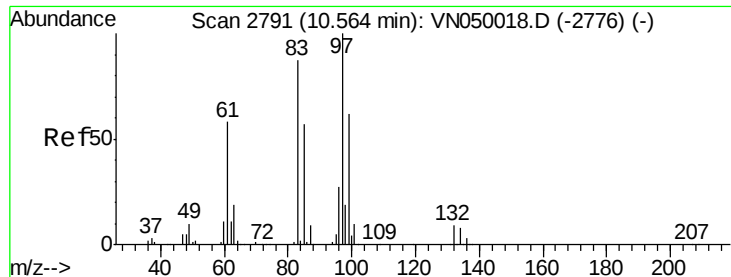
MMDadoda
8/3/2018 9:36:00 AM



#54
cis-1,3-Dichloropropene
Concen: 52.568 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3
39	44.2	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 49.528 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

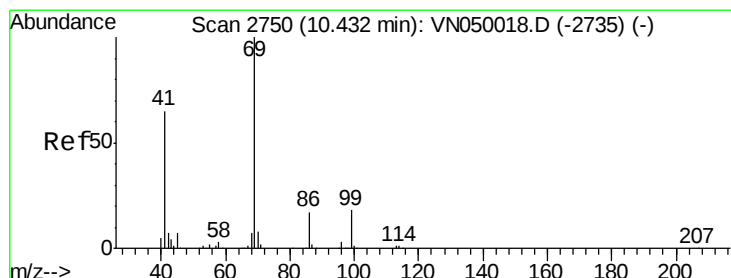
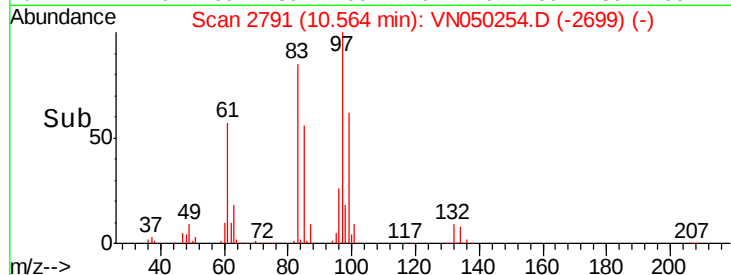
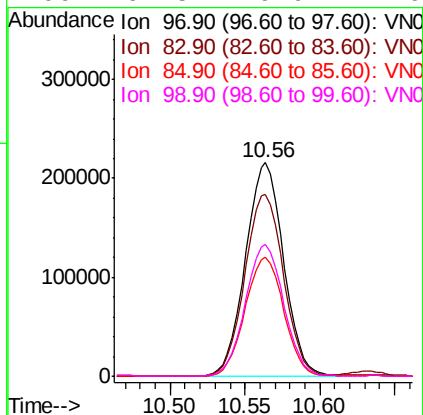
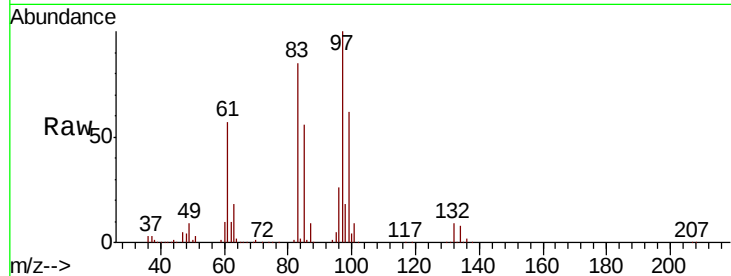
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	382005
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.2	103.8
85	55.7	44.0	66.0
99	61.5	49.9	74.9

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8/3/2018 9:36:00 AM



#56

Ethyl methacrylate

Concen: 47.119 ug/l

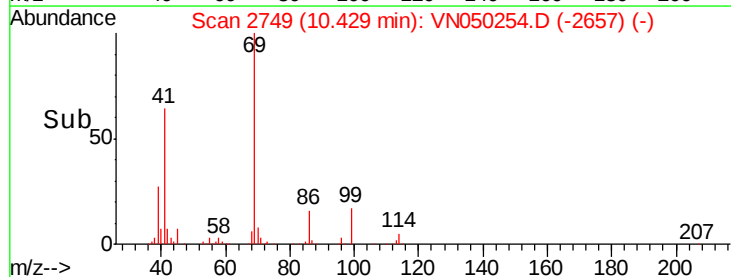
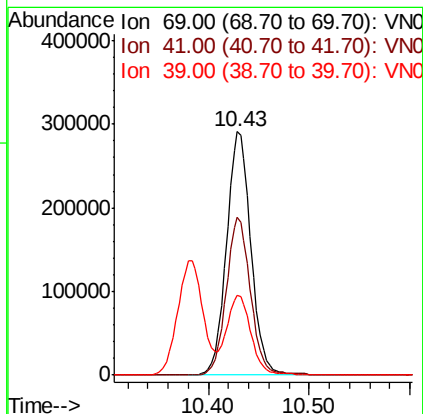
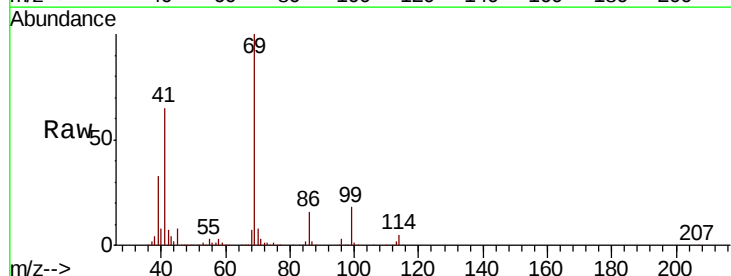
RT: 10.43 min Scan# 2749

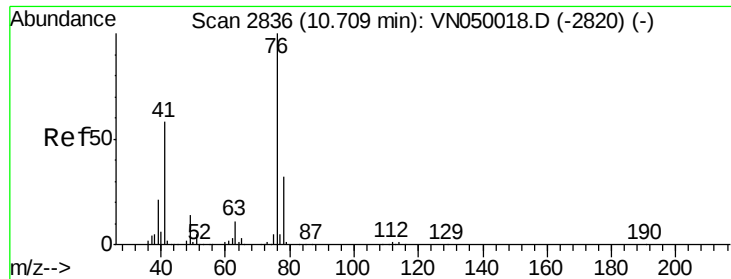
Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Tgt Ion:	69	Resp:	491029
Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.0	76.4
39	33.5	26.6	40.0





#57

1,3-Dichloropropane

Concen: 50.538 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 634743

Ion Ratio Lower Upper

76 100

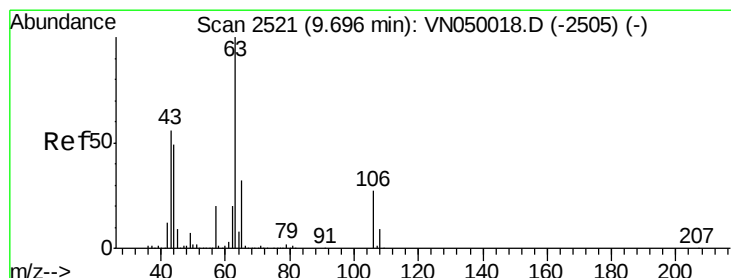
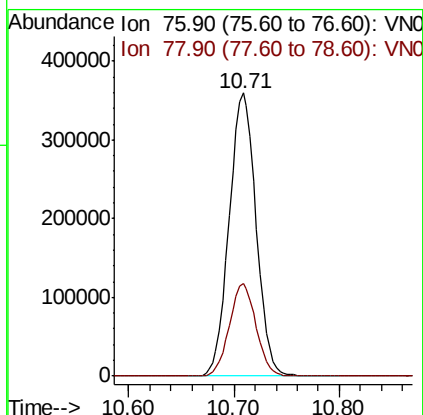
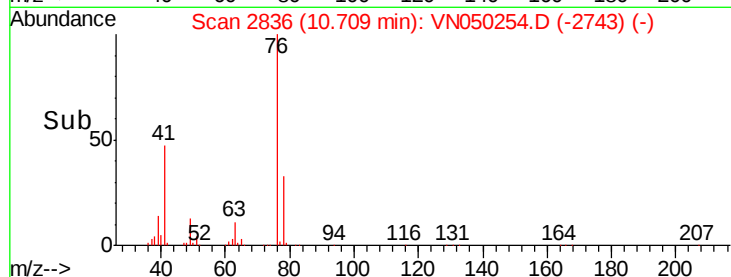
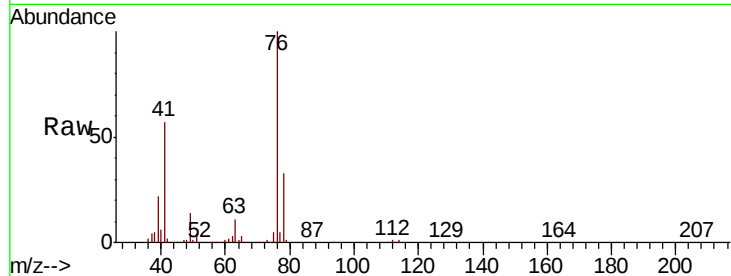
78 32.5 25.7 38.5

Manual Integrations

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MMDadoda

8/3/2018 9:36:00 AM



#58

2-Chloroethyl Vinyl ether

Concen: 205.647 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050254.D

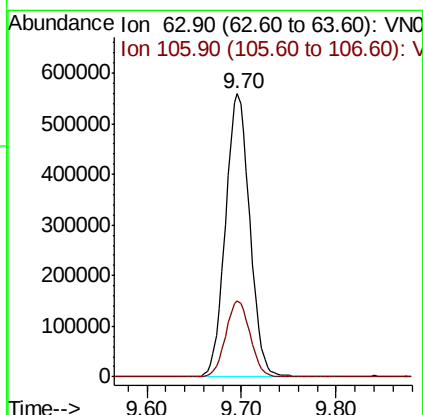
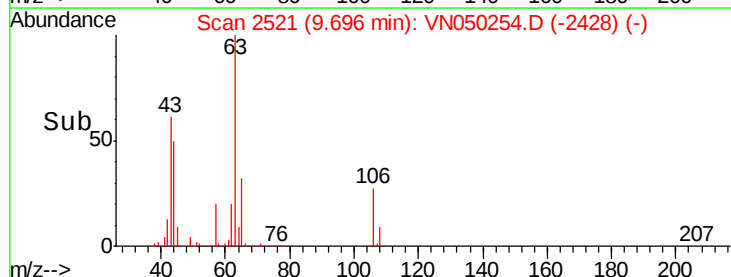
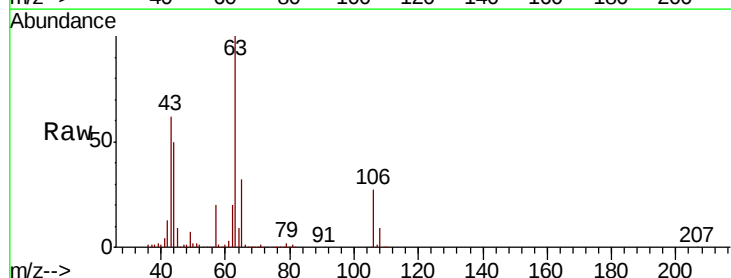
Acq: 2 Aug 2018 10:37

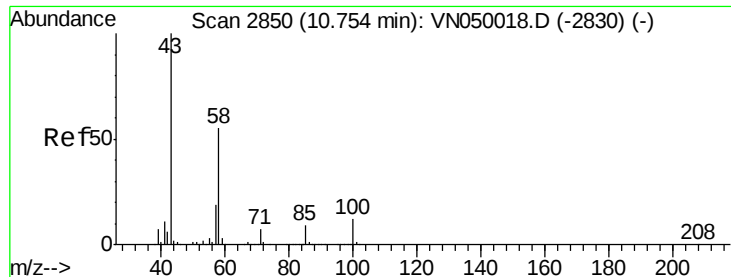
Tgt Ion: 63 Resp: 996188

Ion Ratio Lower Upper

63 100

106 27.0 21.7 32.5





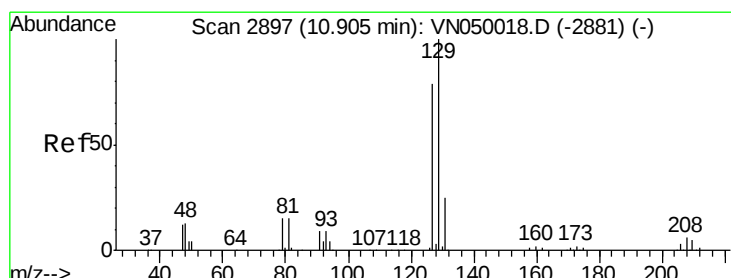
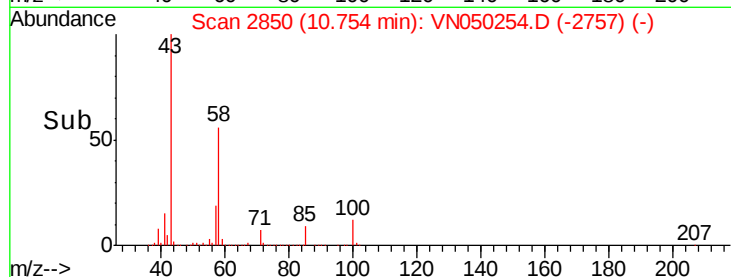
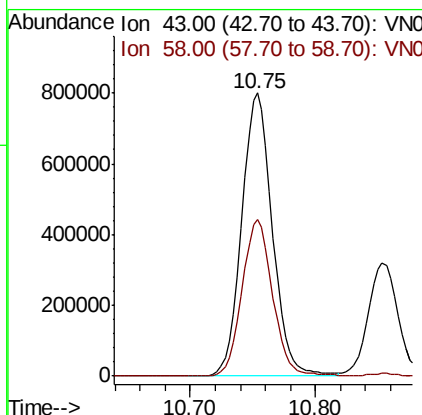
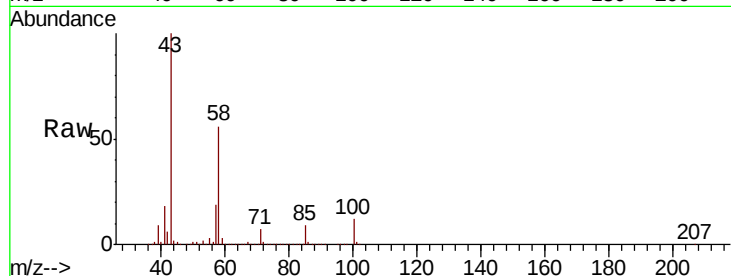
#59
2-Hexanone
Concen: 248.681 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1355698
Ion Ratio Lower Upper
43 100
58 55.5 27.6 82.7

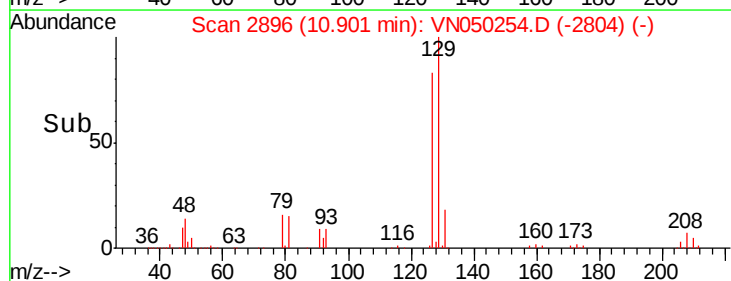
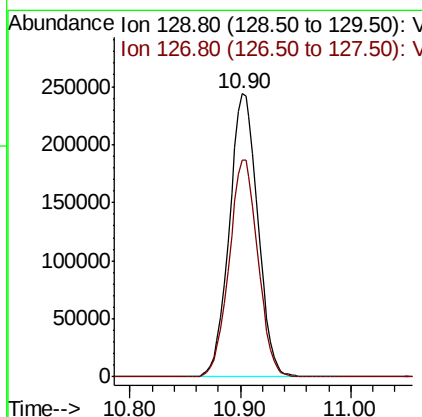
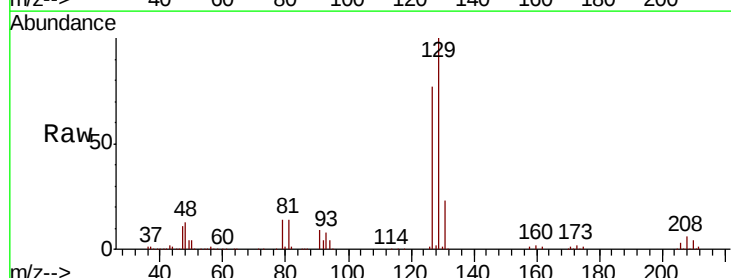
Manual Integrations
APPROVED

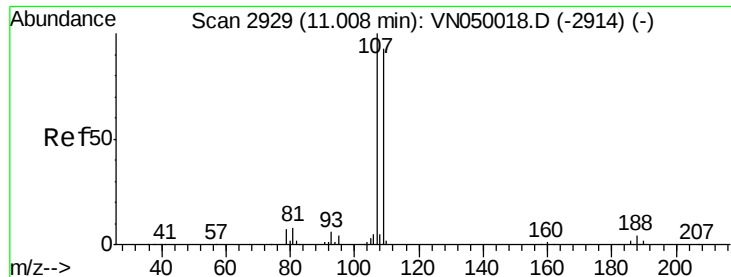
MMDadoda
8/3/2018 9:36:00 AM



#60
Dibromochloromethane
Concen: 51.187 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion: 129 Resp: 437112
Ion Ratio Lower Upper
129 100
127 77.2 38.0 113.9





#61

1,2-Dibromoethane

Concen: 49.125 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 375937

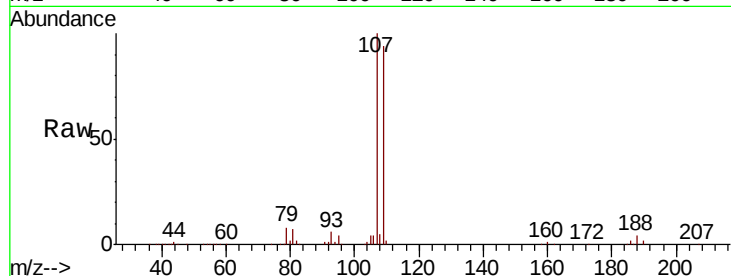
Ion Ratio Lower Upper

107 100

109 94.4 74.6 112.0

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:36:00 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

150000

100000

50000

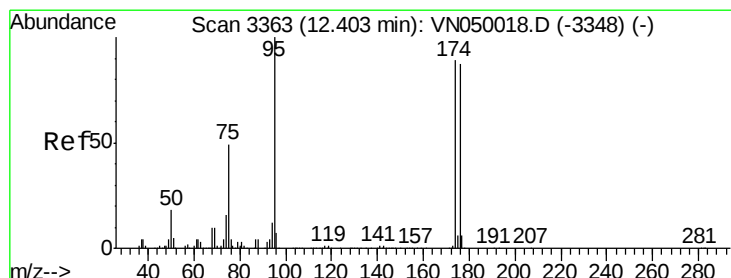
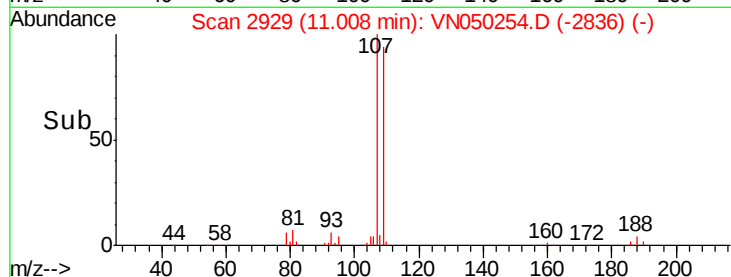
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 55.445 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

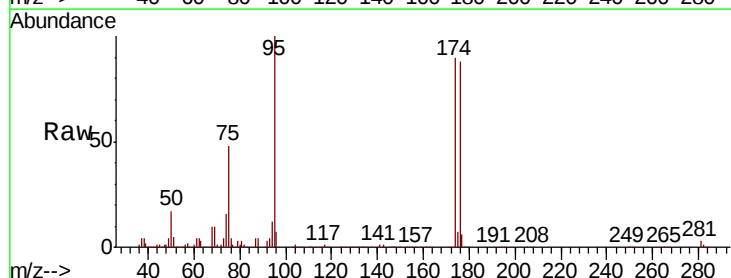
Tgt Ion: 95 Resp: 526570

Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.2

176 87.6 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

200000

100000

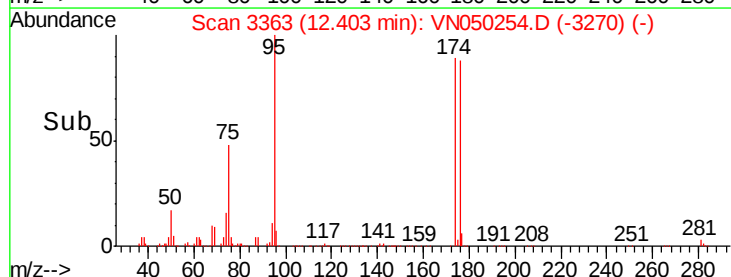
0

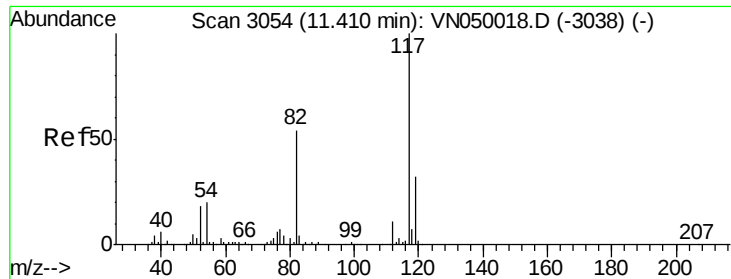
Time-->

12.35

12.40

12.45





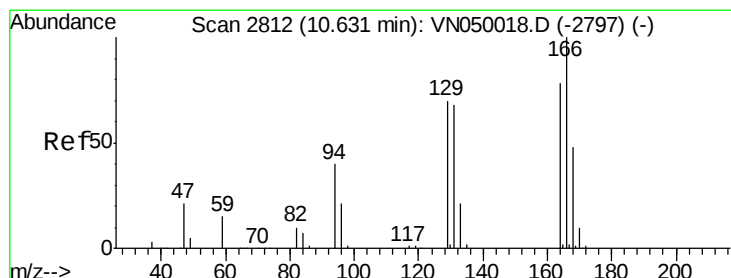
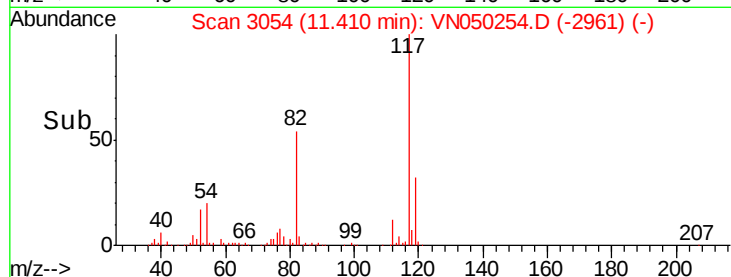
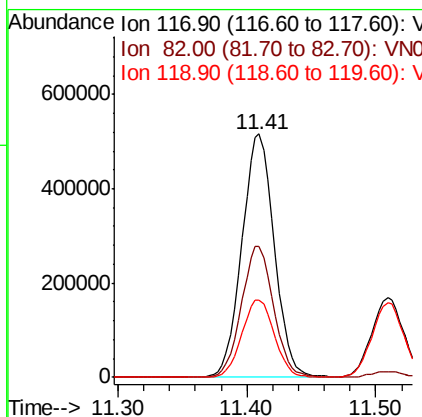
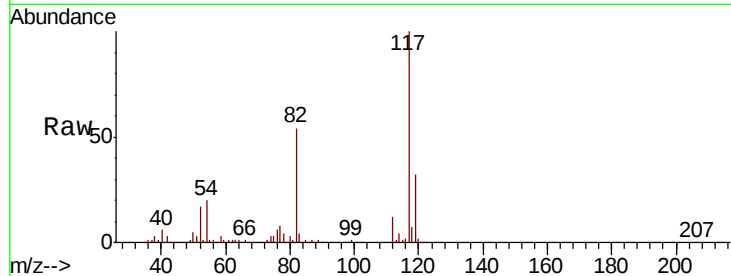
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	901573		
82	53.6		43.7	65.5
119	31.9		26.1	39.1

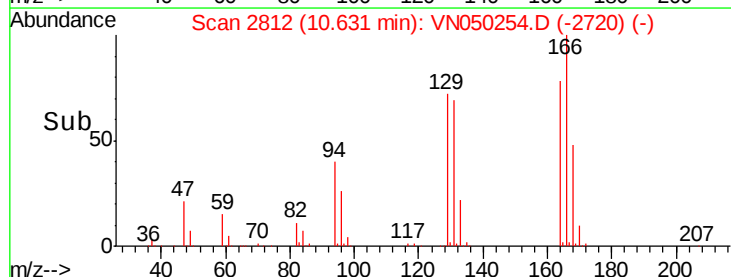
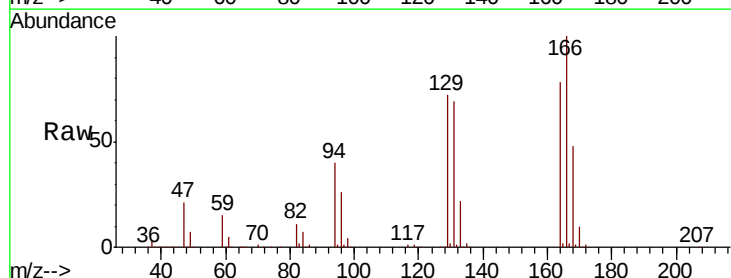
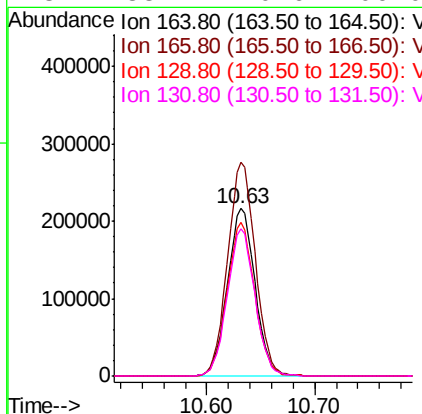
Manual Integrations
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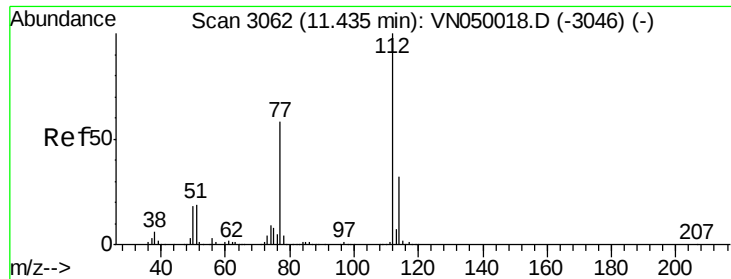
MMDadoda
8/3/2018 9:36:00 AM



#64
Tetrachloroethene
Concen: 44.519 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	385894		
166	127.7		102.1	153.1
129	91.6		73.2	109.8
131	88.4		70.6	106.0





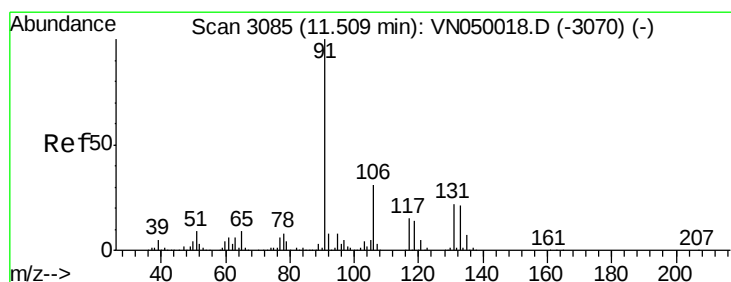
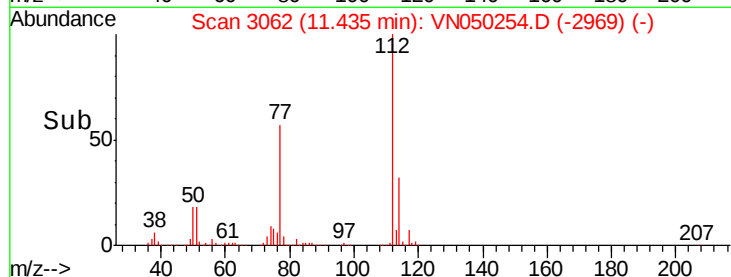
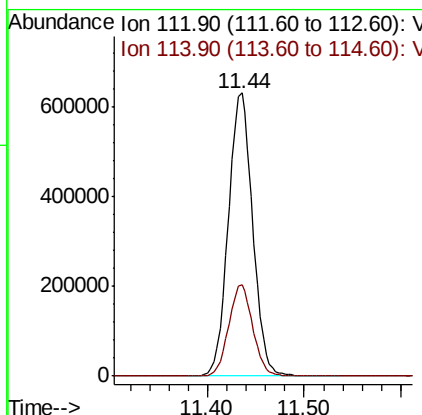
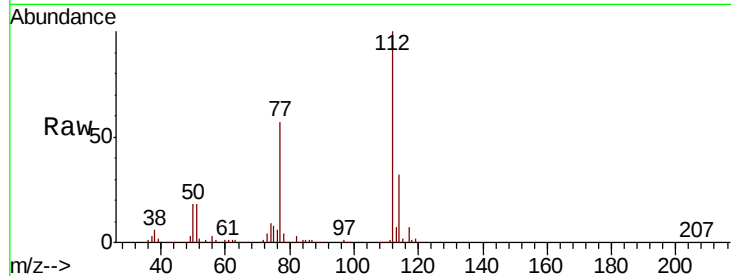
#65
Chlorobenzene
Concen: 48.217 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1098083
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

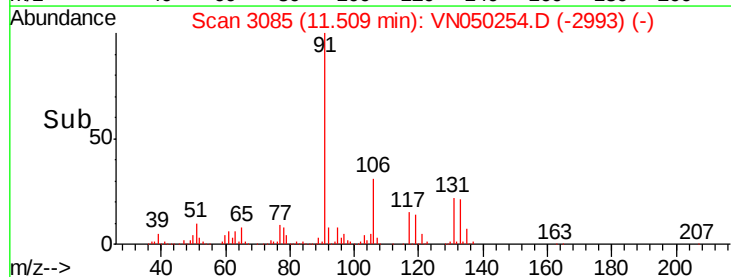
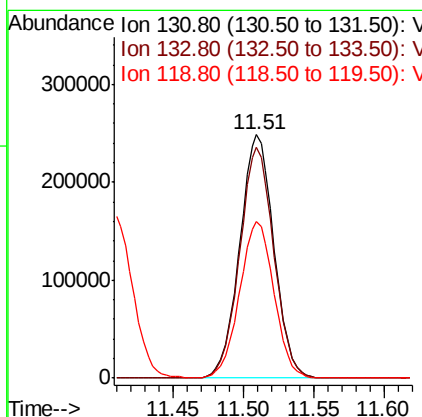
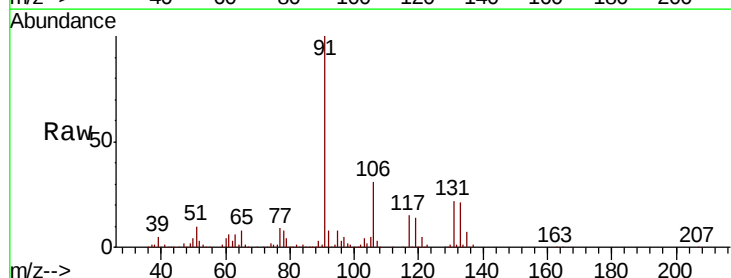
Manual Integrations
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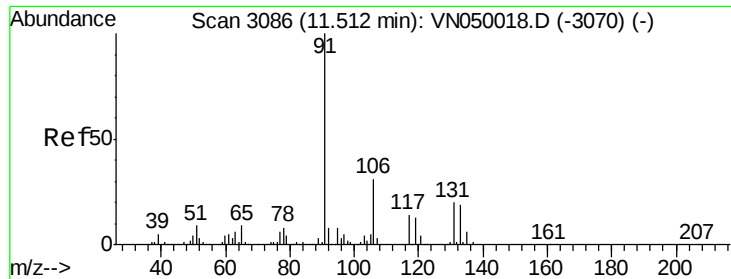
MMDadoda
8/3/2018 9:36:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.097 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion:131 Resp: 420860
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 64.9 32.9 98.7





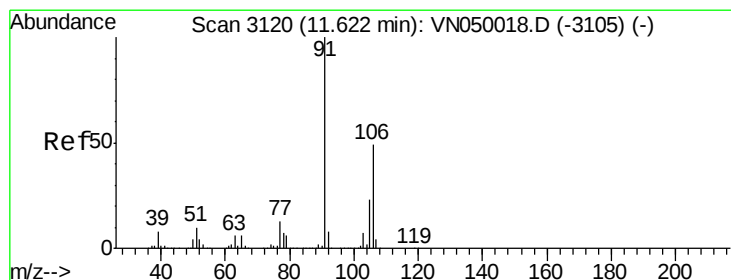
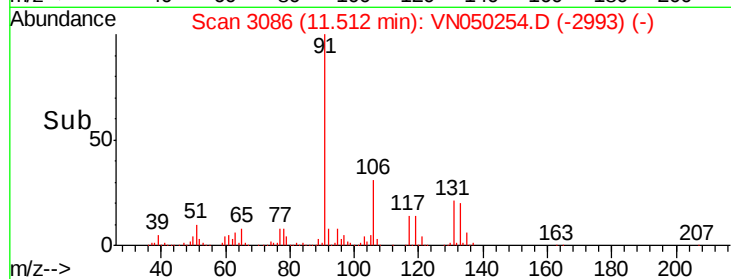
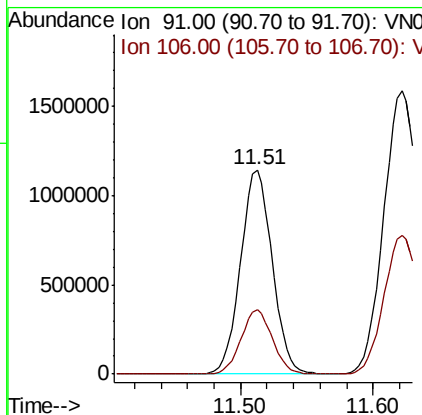
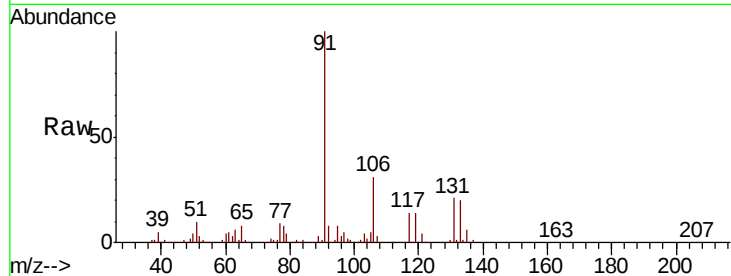
#67
Ethyl Benzene
Concen: 51.906 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1898854
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

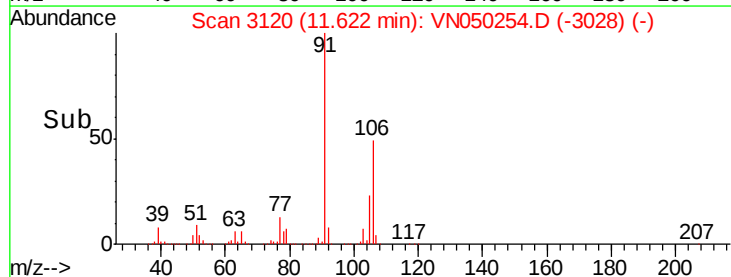
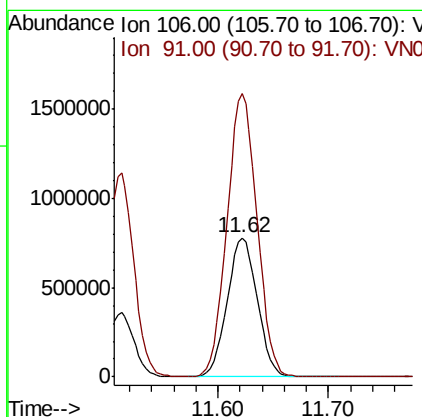
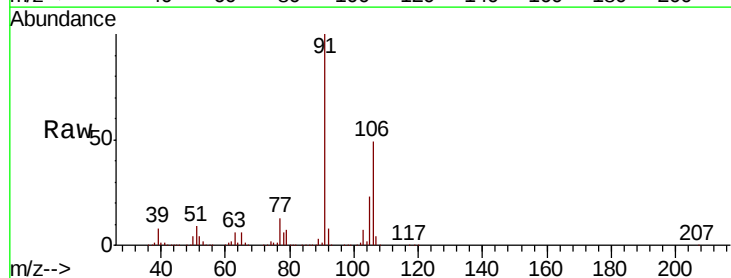
Manual Integrations
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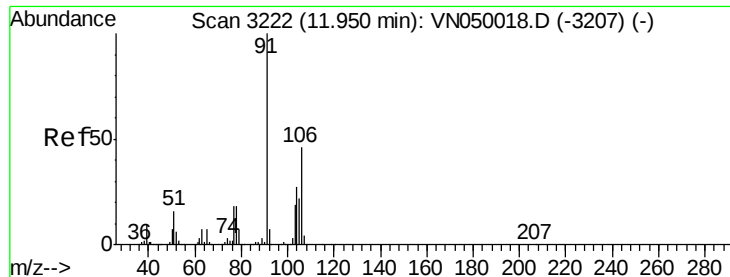
MMDadoda
8/3/2018 9:36:00 AM



#68
m/p-Xylenes
Concen: 106.466 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion: 106 Resp: 1473191
Ion Ratio Lower Upper
106 100
91 202.9 162.2 243.2





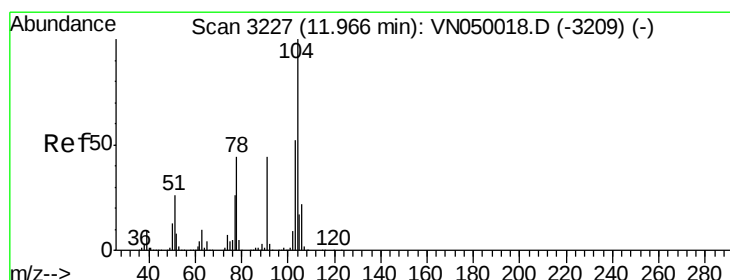
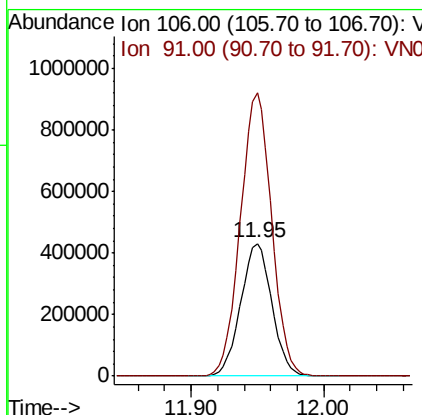
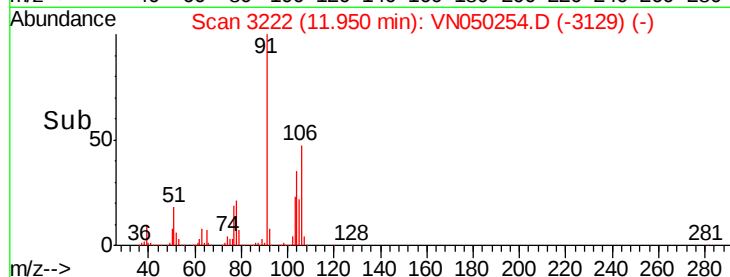
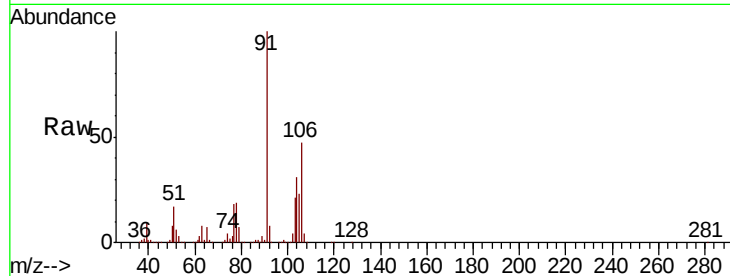
#69
o-Xylene
Concen: 53.287 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 702897
Ion Ratio Lower Upper
106 100
91 214.4 107.7 323.1

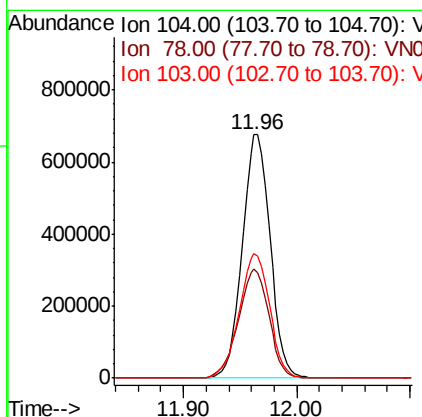
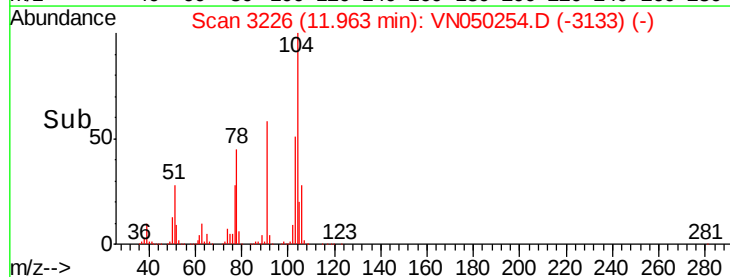
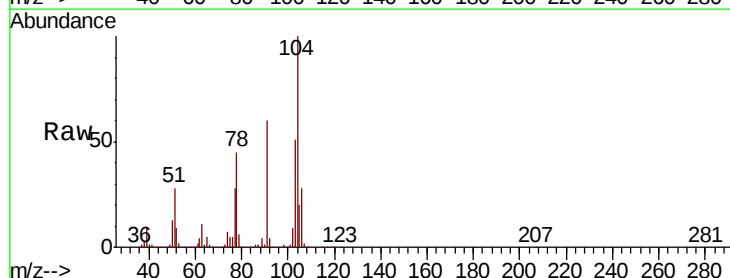
Manual Integrations
APPROVED

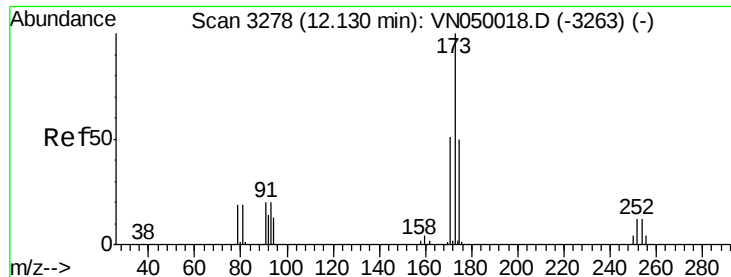
MMDadoda
8/3/2018 9:36:00 AM



#70
Styrene
Concen: 49.480 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion:104 Resp: 1160587
Ion Ratio Lower Upper
104 100
78 48.9 39.3 58.9
103 55.9 45.0 67.6





#71

Bromoform

Concen: 49.062 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 312293

Ion Ratio Lower Upper

173 100

175 49.4 24.1 72.2

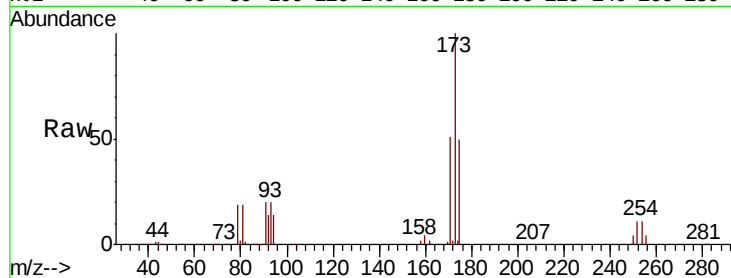
254 0.1 0.2 0.2#

Manual Integrations

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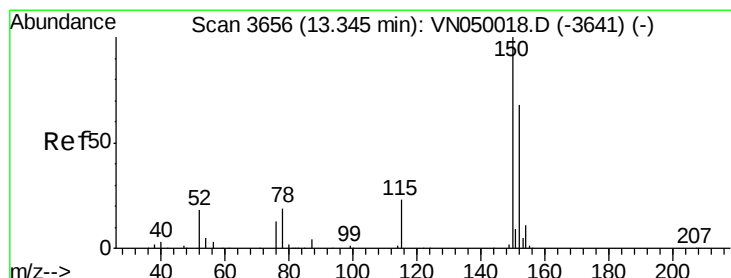
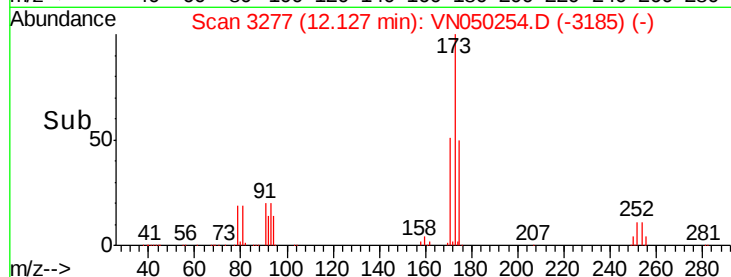
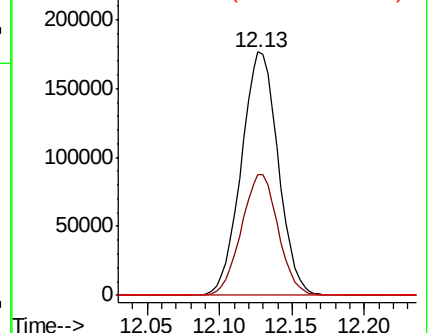
8/3/2018 9:36:00 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

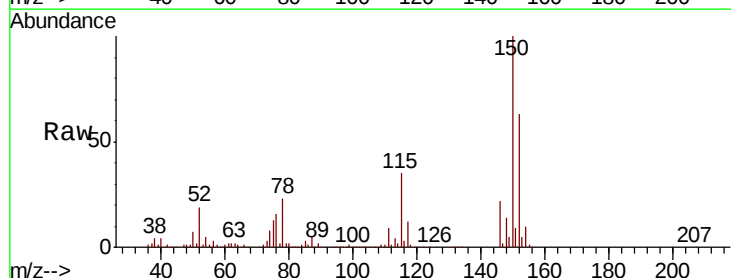
Tgt Ion:152 Resp: 488780

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.3

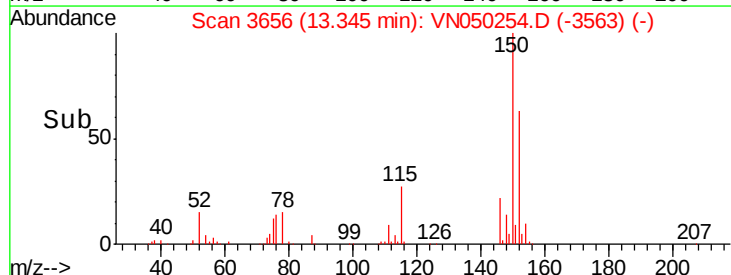
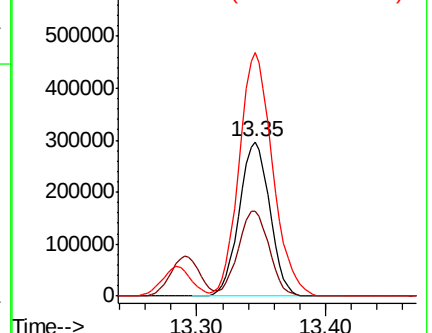
150 173.0 0.0 348.6

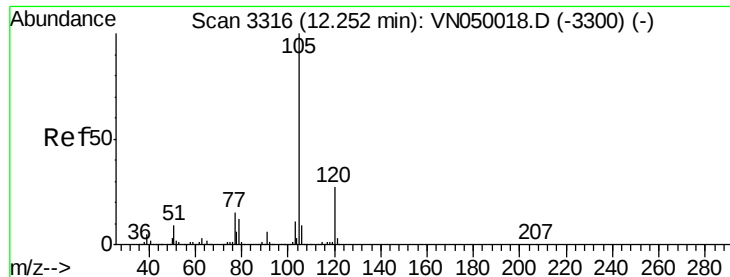


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.300 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1906754

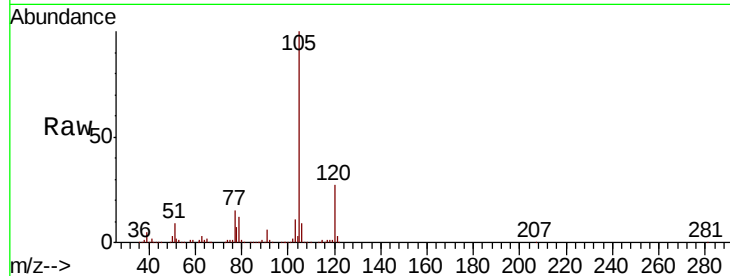
Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

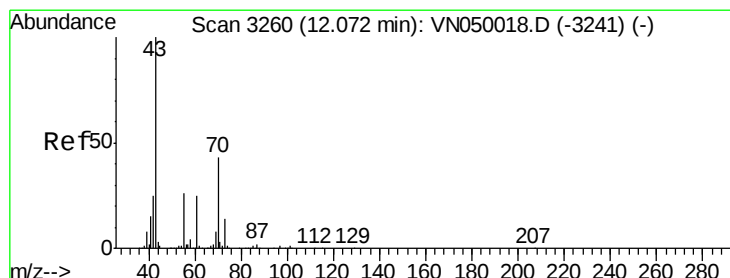
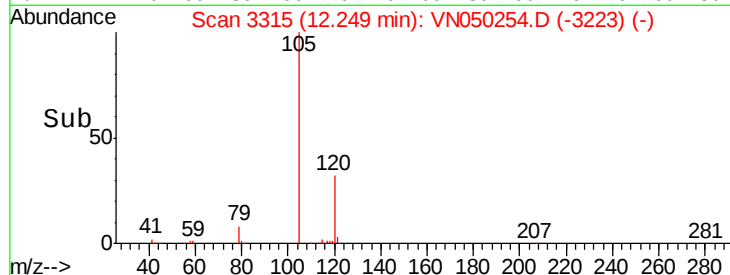
12.25

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 47.605 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Tgt Ion: 43 Resp: 551533

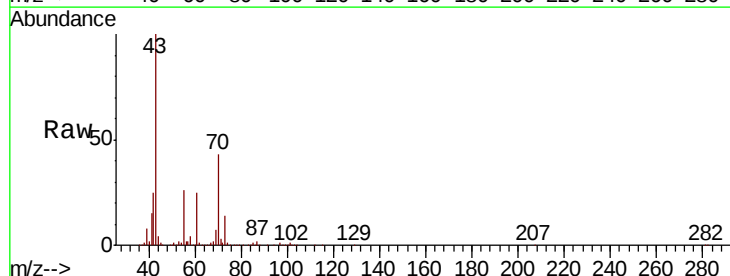
Ion Ratio Lower Upper

43 100

70 43.2 34.4 51.6

55 26.3 20.8 31.2

61 25.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

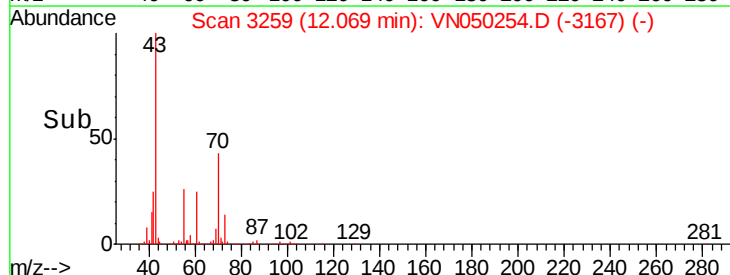
300000

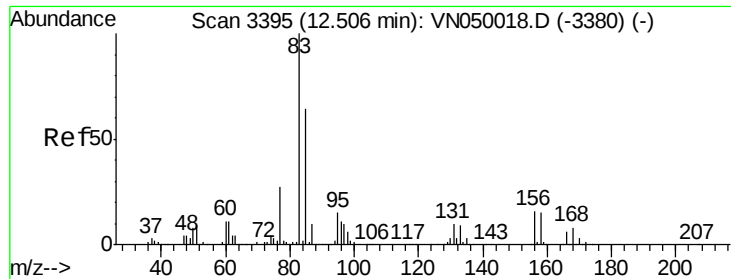
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.918 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

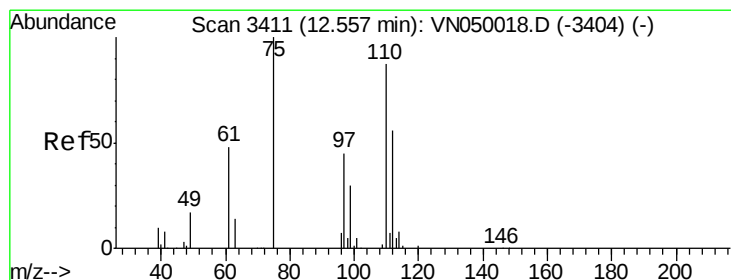
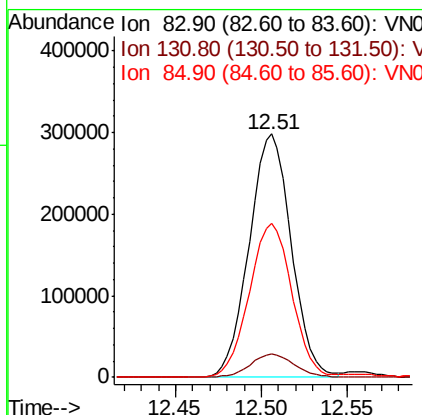
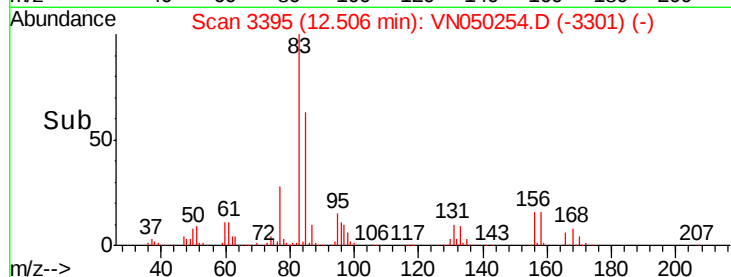
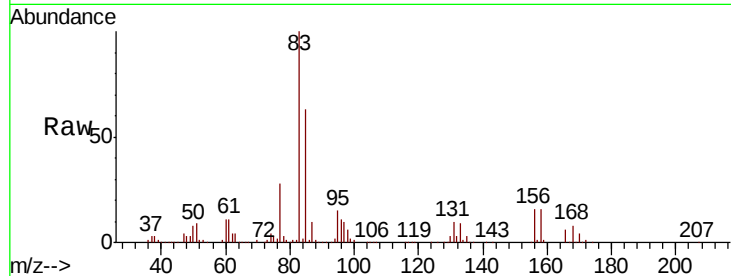
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	505436
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.935 ug/l m

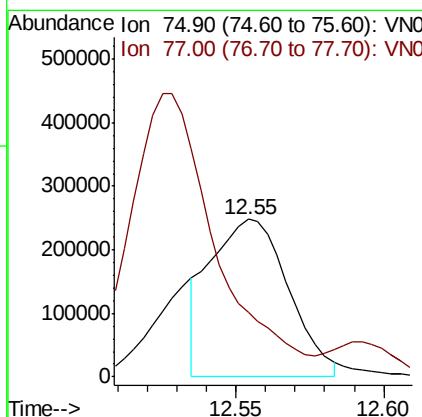
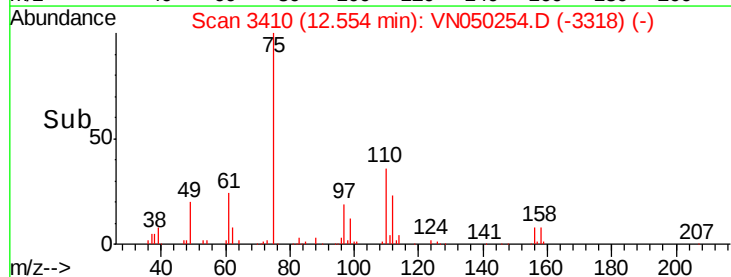
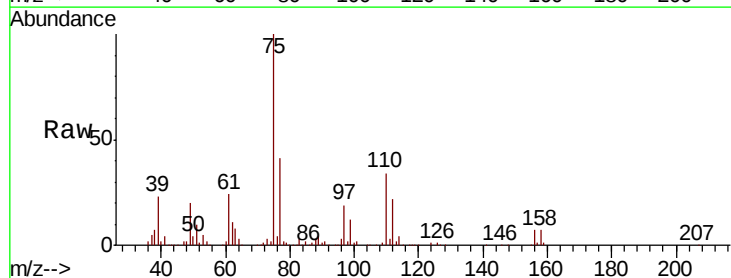
RT: 12.55 min Scan# 3410

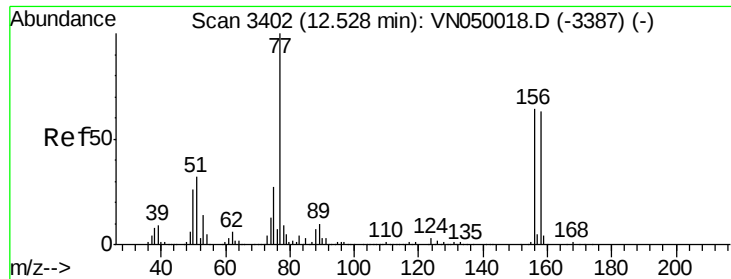
Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Tgt Ion:	75	Resp:	453588
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.248 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

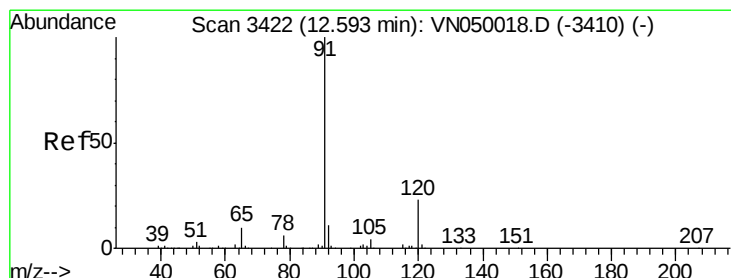
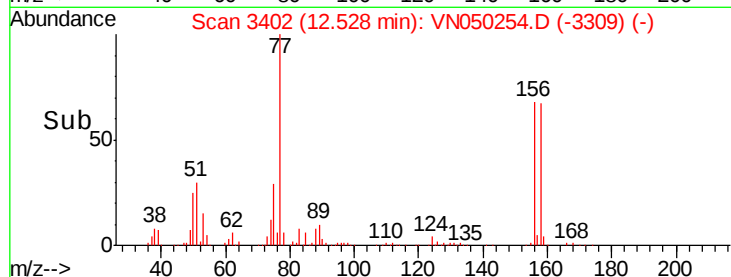
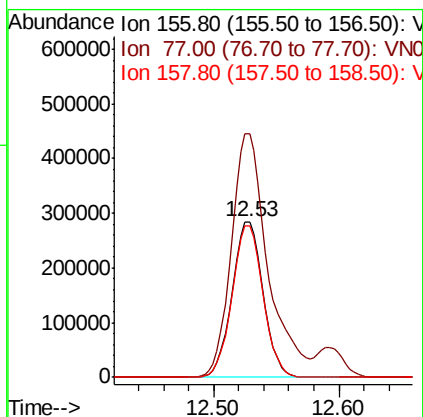
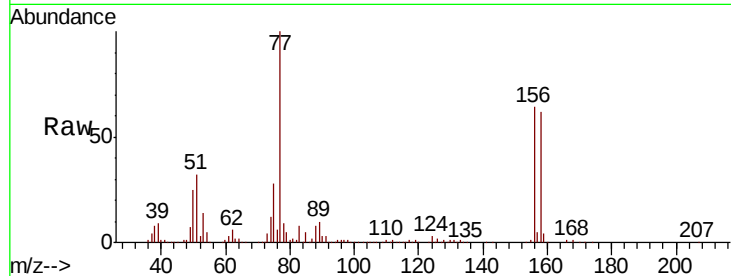
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.4	91.7	275.1
158	97.8	48.9	146.6

Manual Integrations
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8/3/2018 9:36:00 AM



#78

n-propylbenzene

Concen: 52.583 ug/l

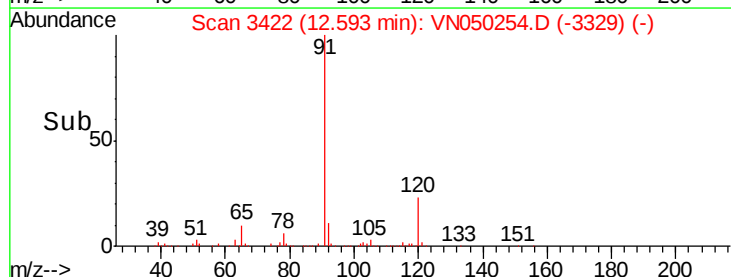
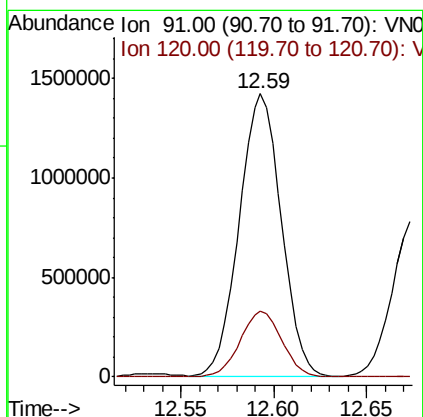
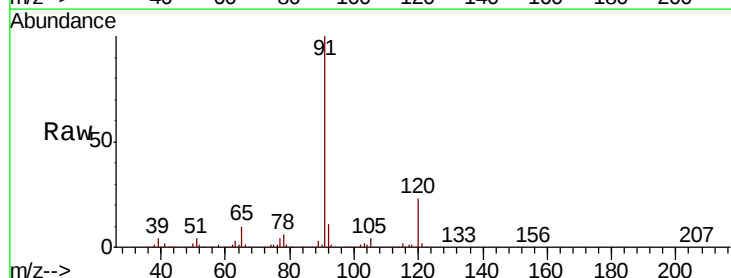
RT: 12.59 min Scan# 3422

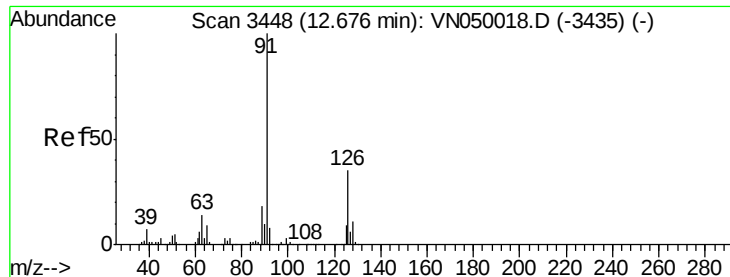
Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.6	34.7





#79

2-Chlorotoluene

Concen: 49.711 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1305496

Ion Ratio Lower Upper

91 100

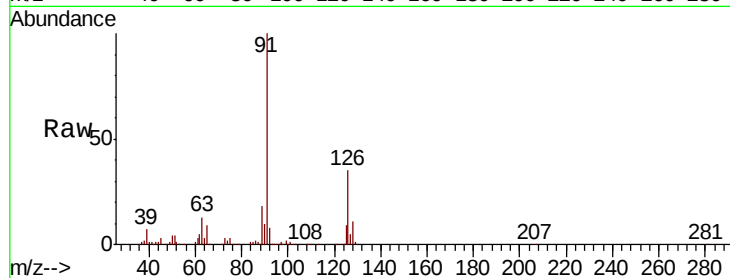
126 35.0 17.6 52.8

Manual Integrations

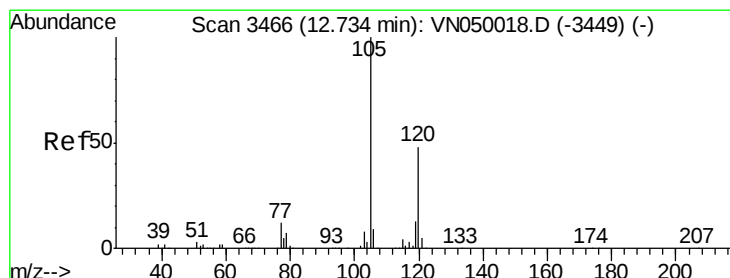
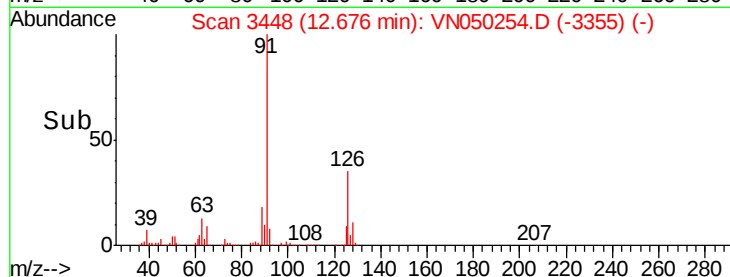
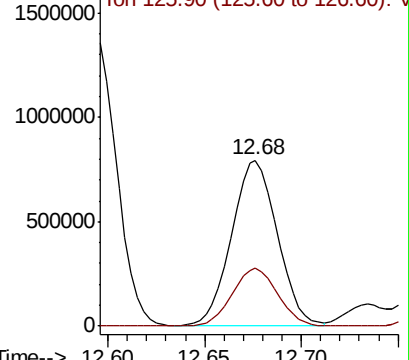
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8/3/2018 9:36:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.362 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050254.D

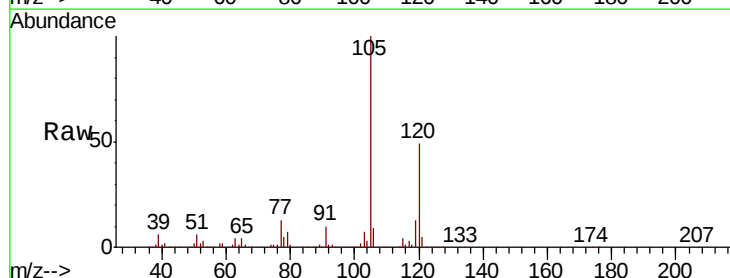
Acq: 2 Aug 2018 10:37

Tgt Ion:105 Resp: 1591122

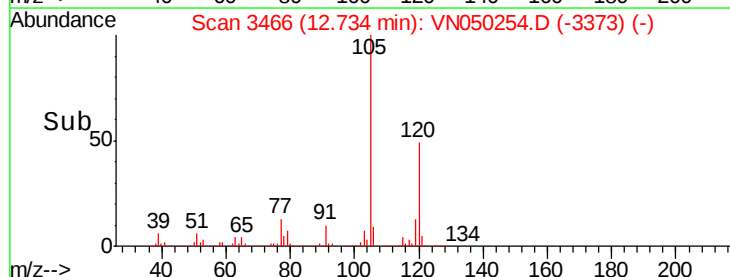
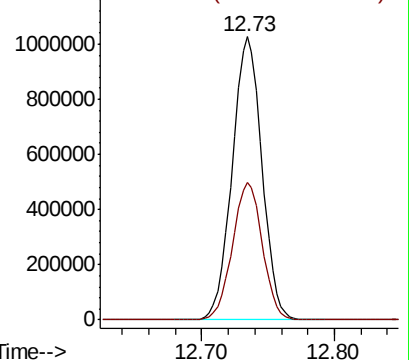
Ion Ratio Lower Upper

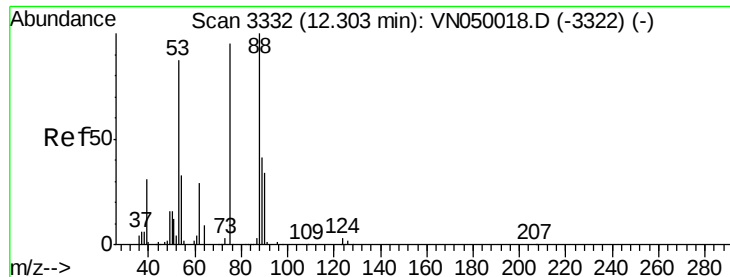
105 100

120 49.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.794 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

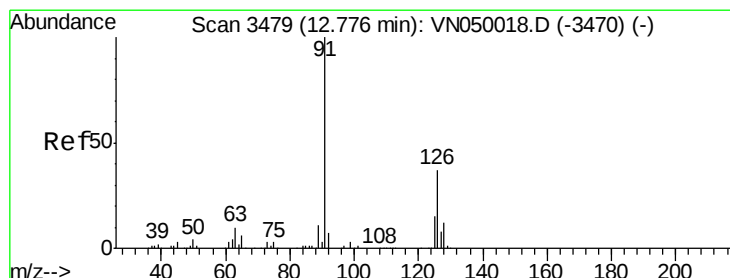
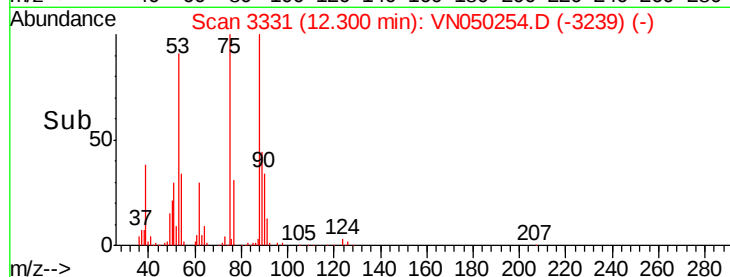
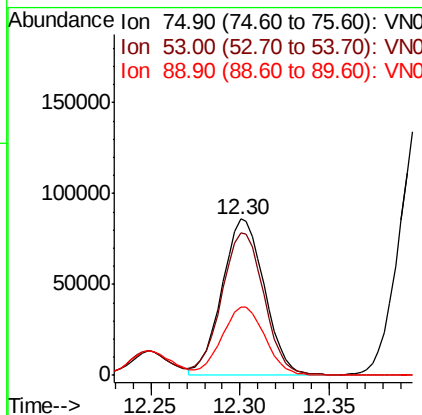
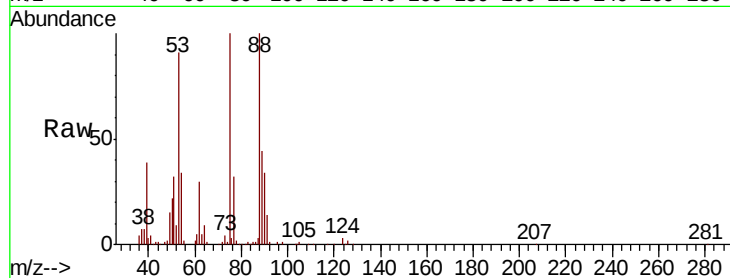
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	142603
Ion Ratio	Lower	Upper	
75	100		
53	91.8	73.5	110.3
89	44.4	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.933 ug/l

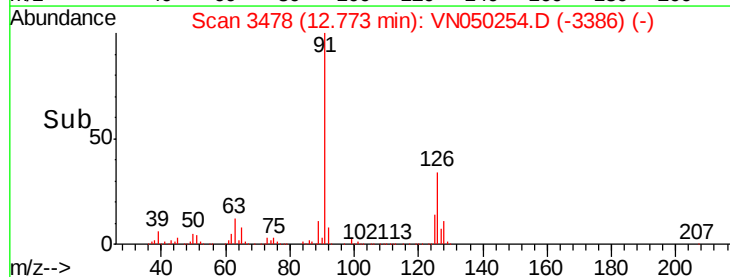
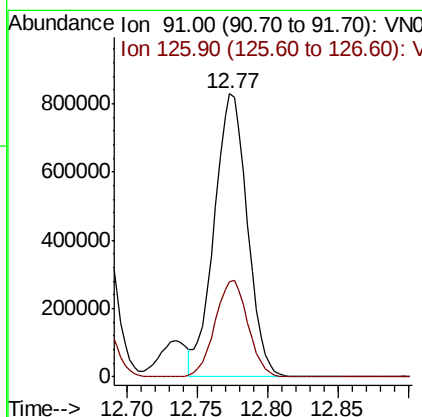
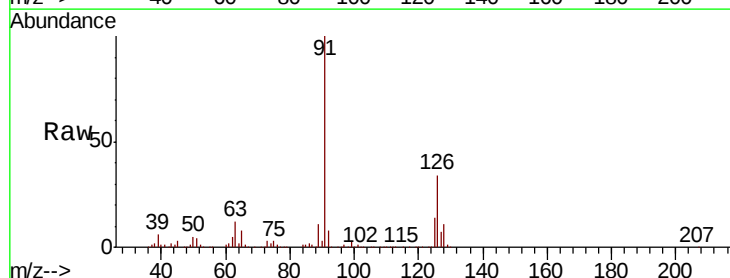
RT: 12.77 min Scan# 3478

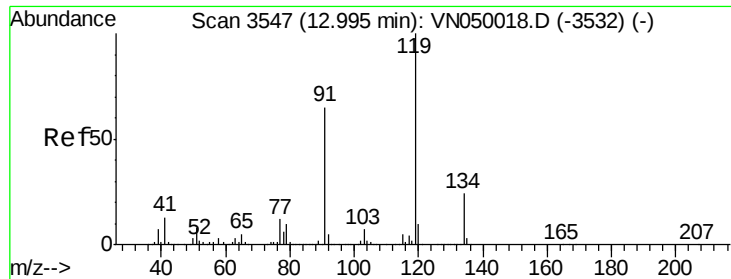
Delta R.T. -0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Tgt Ion:	91	Resp:	1350593
Ion Ratio	Lower	Upper	
91	100		
126	34.0	17.0	51.0





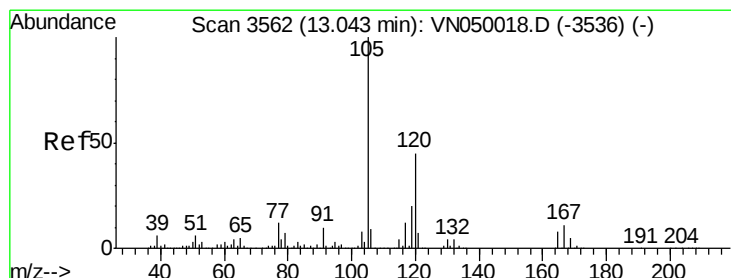
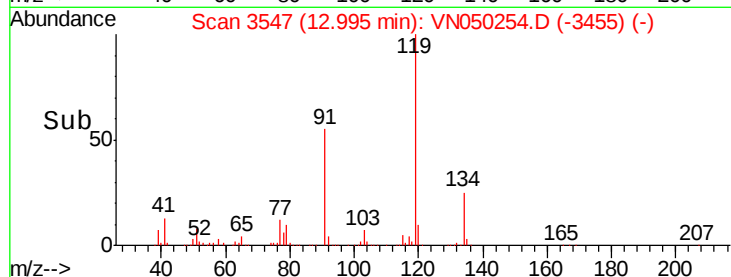
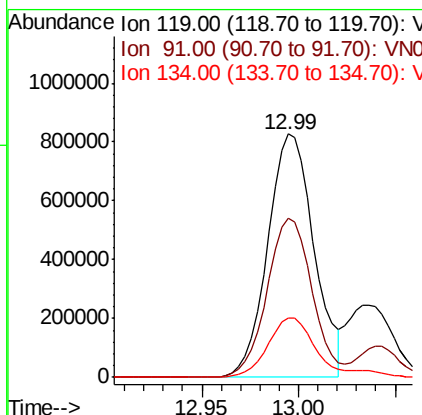
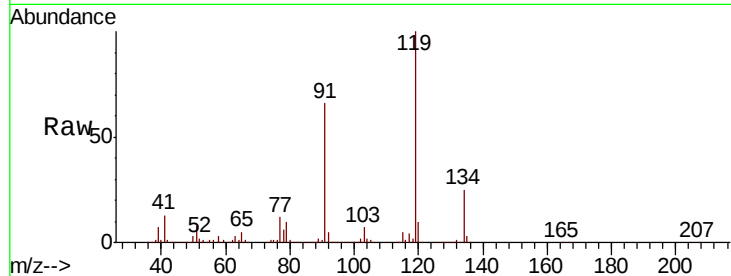
#83
 tert-Butylbenzene
 Concen: 52.854 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.3
134	26.6	13.2	39.5

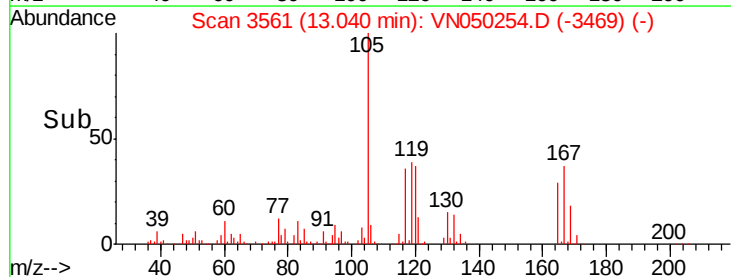
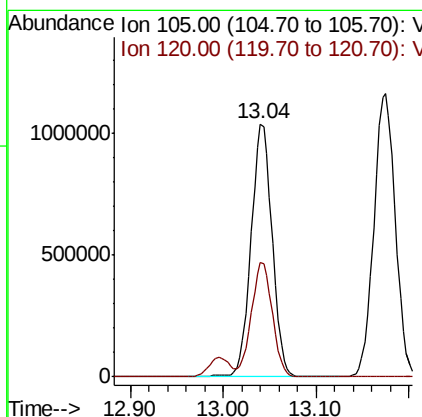
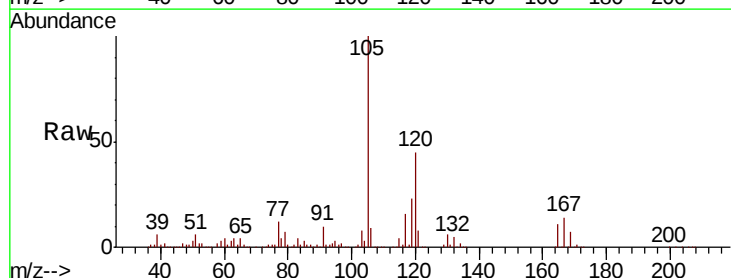
Manual Integrations
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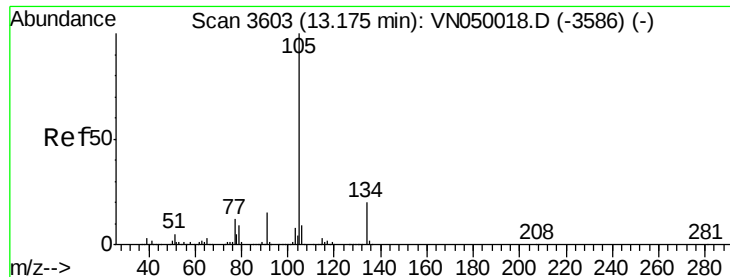
MMDadoda
 8/3/2018 9:36:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.471 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.9	68.7





#85

sec-Butylbenzene

Concen: 53.444 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1858189

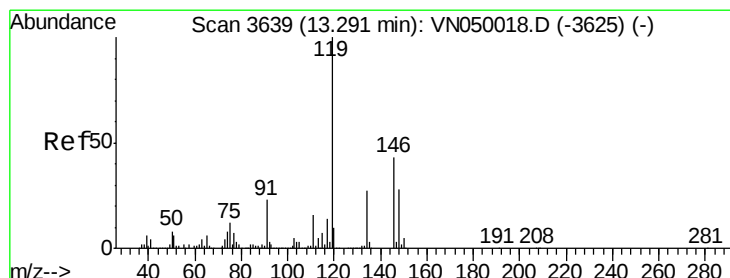
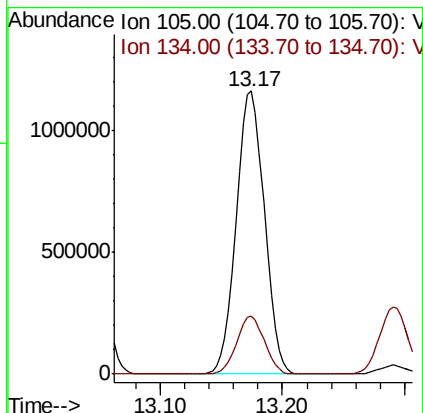
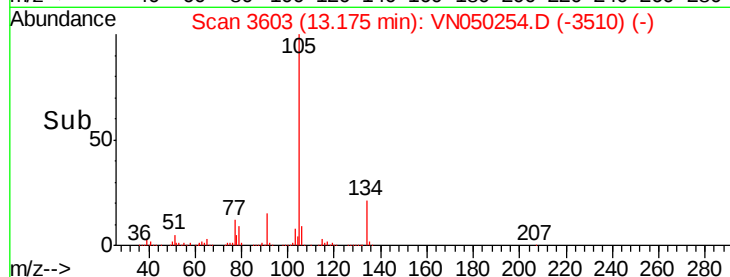
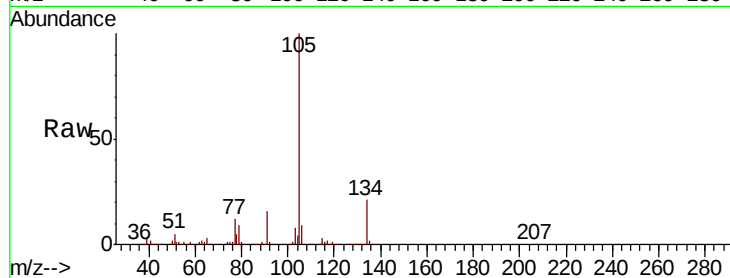
Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 55.520 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050254.D

Acq: 2 Aug 2018 10:37

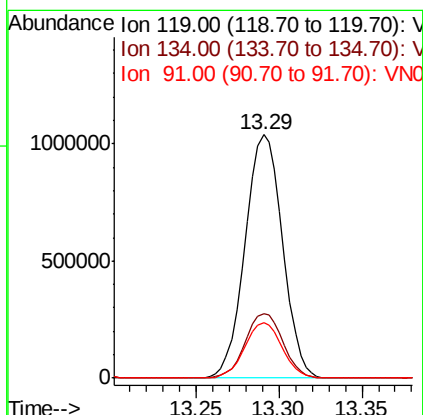
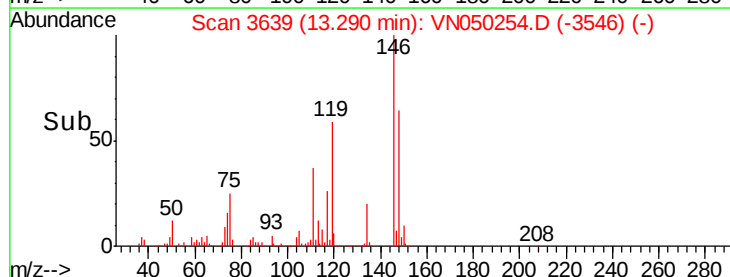
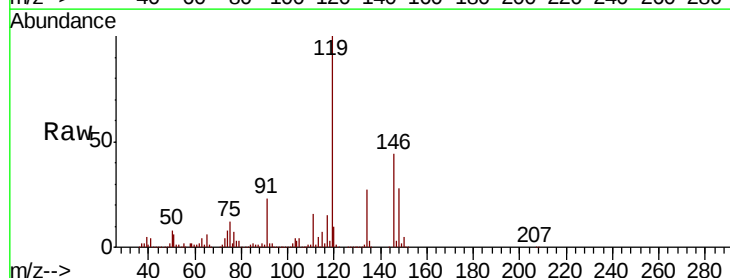
Tgt Ion:119 Resp: 1626552

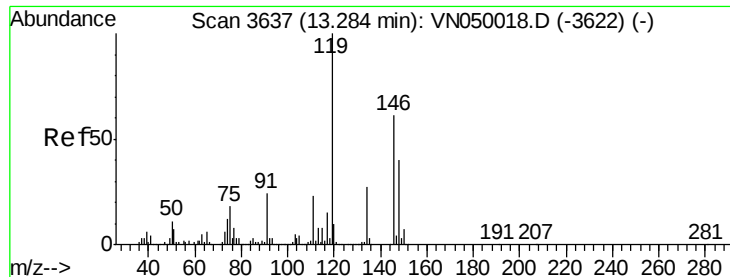
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.7 11.4 34.2





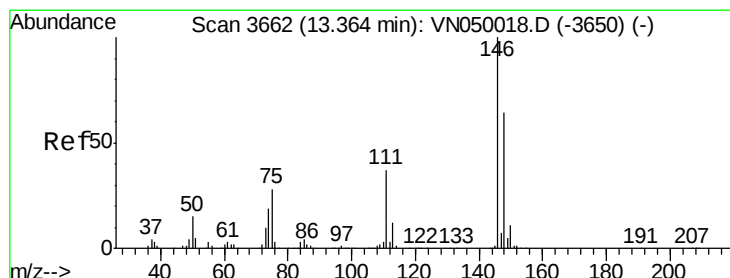
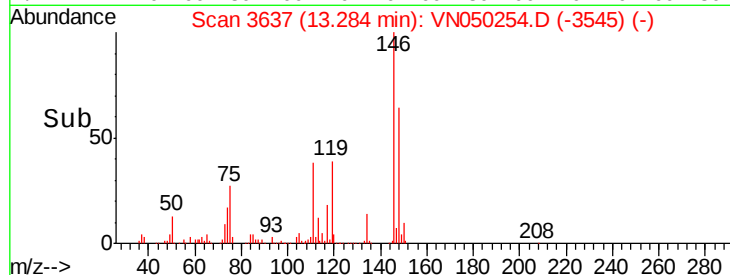
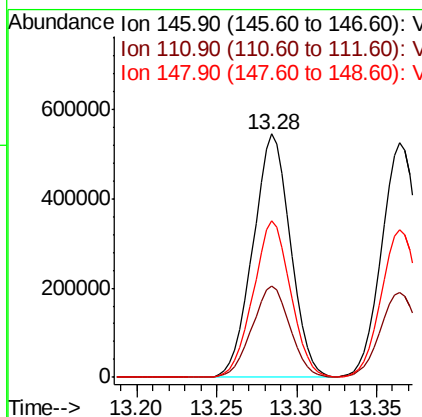
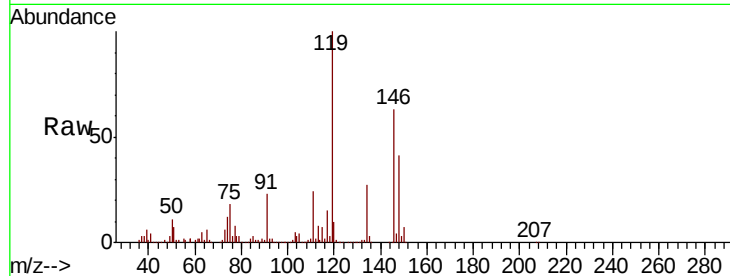
#87
 1,3-Dichlorobenzene
 Concen: 49.256 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	64.0	31.9	95.9

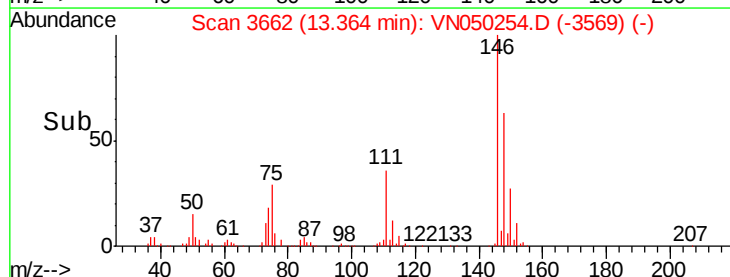
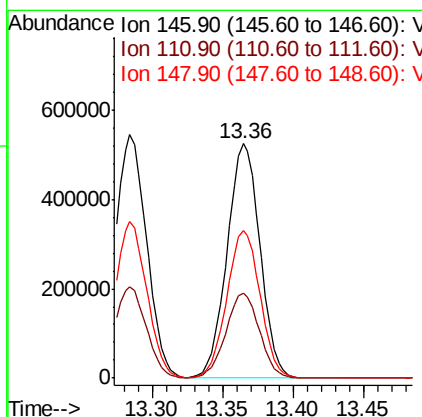
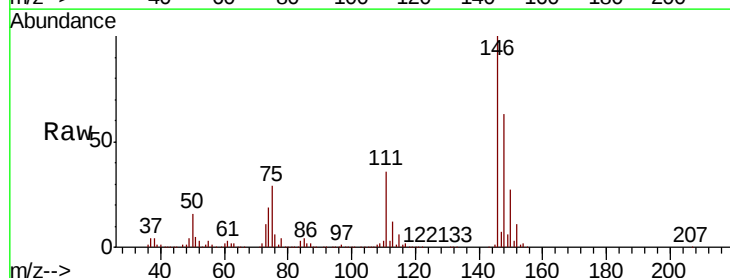
Manual Integrations
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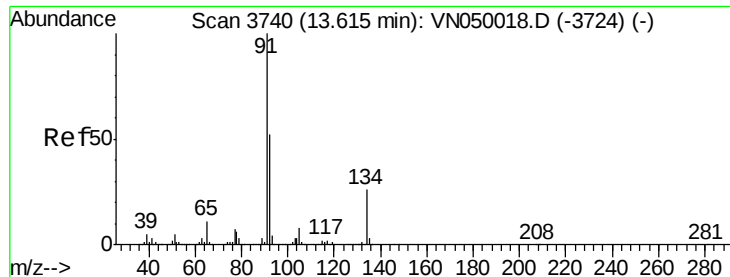
MMDadoda
 8/3/2018 9:36:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.379 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.3	54.9
148	63.8	31.9	95.9





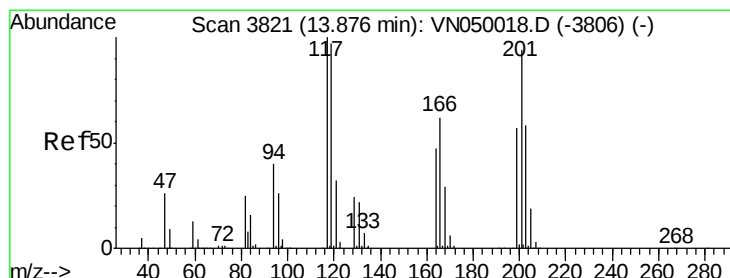
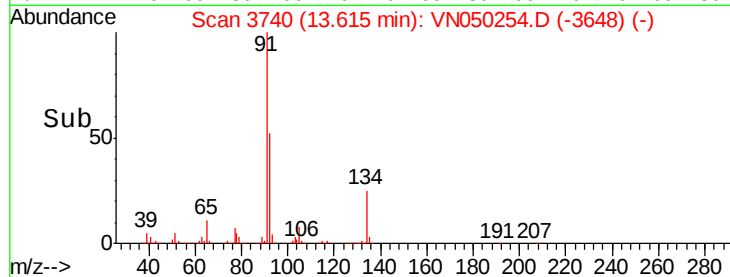
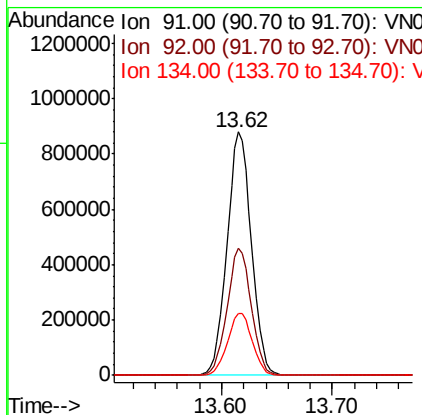
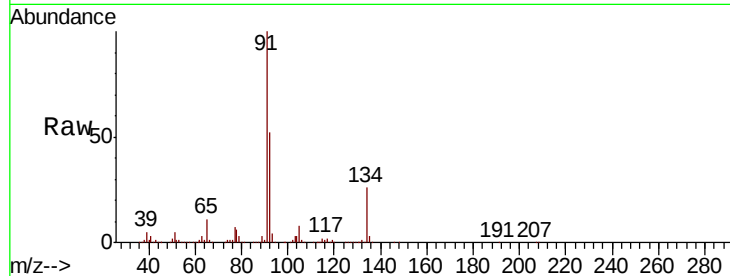
#89
n-Butylbenzene
Concen: 55.694 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.8	77.4
134	26.0	12.8	38.4

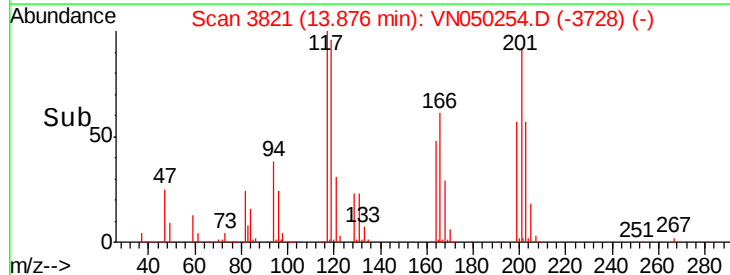
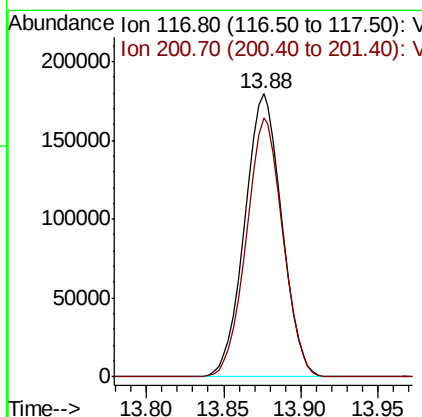
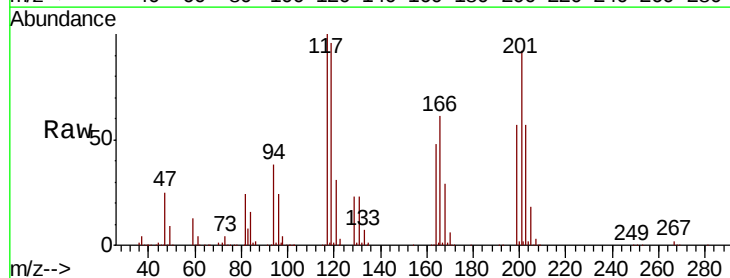
Manual Integrations
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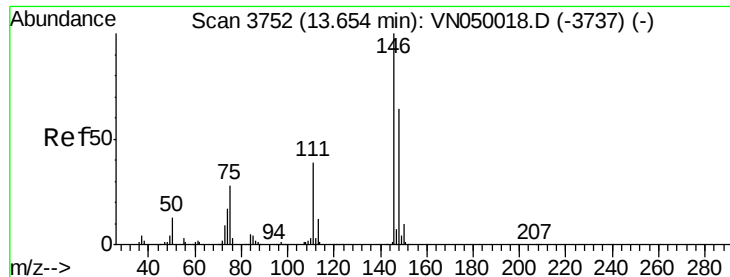
MMDadoda
8/3/2018 9:36:00 AM



#90
Hexachloroethane
Concen: 46.061 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	45.6	136.8





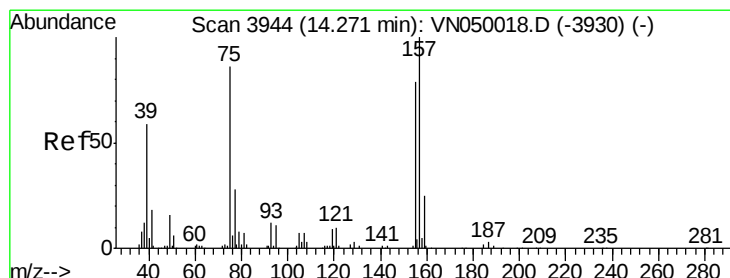
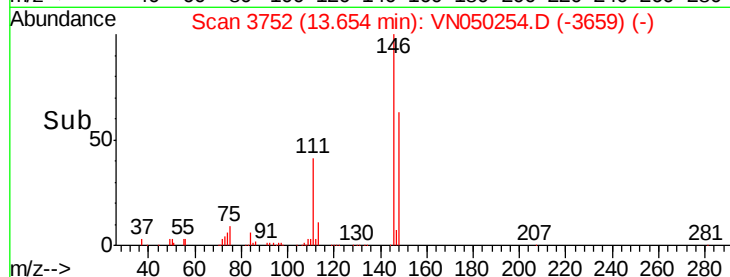
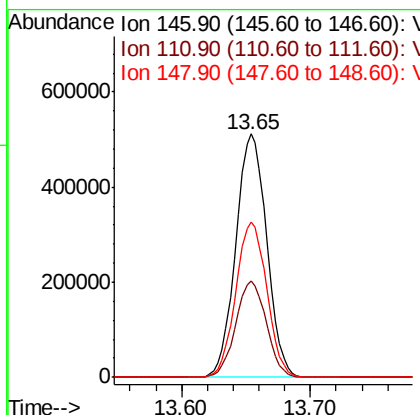
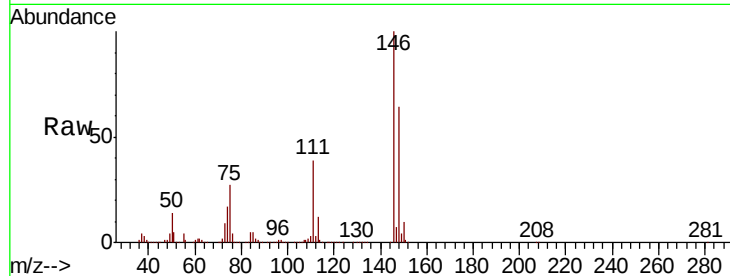
#91
 1,2-Dichlorobenzene
 Concen: 47.880 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	63.9	32.1	96.3

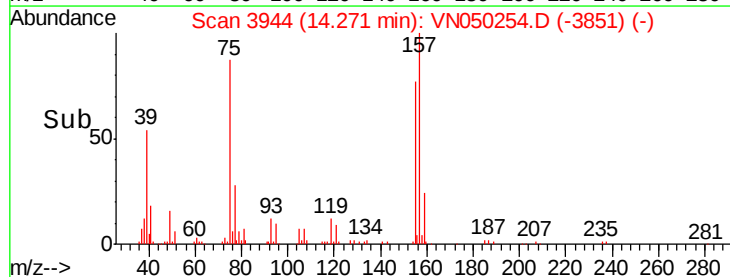
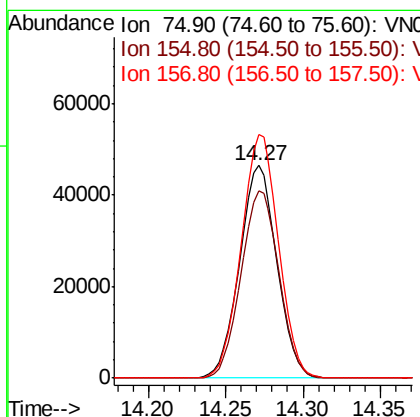
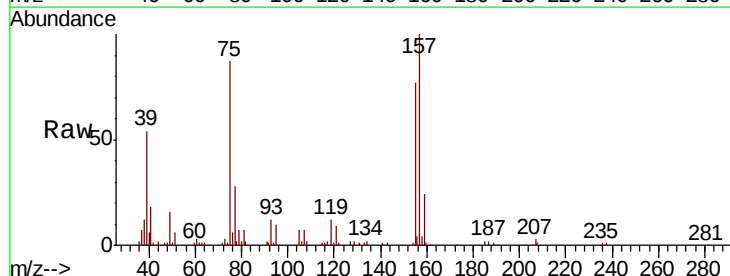
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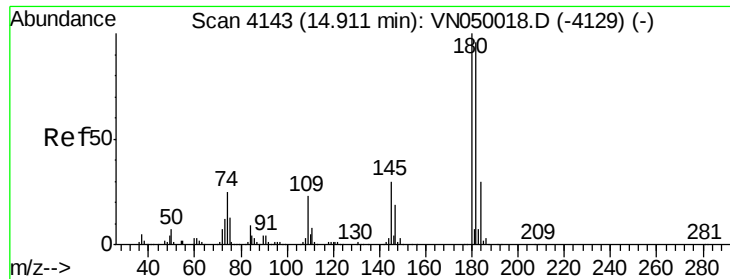
MMDadoda
 8/3/2018 9:36:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.164 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.3	44.8	134.4
157	114.3	57.2	171.6





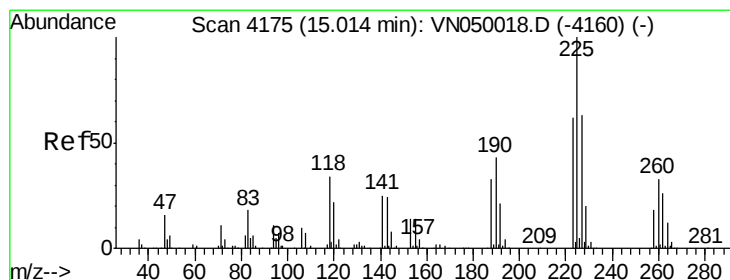
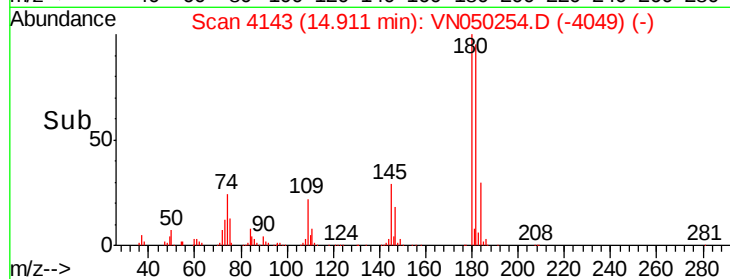
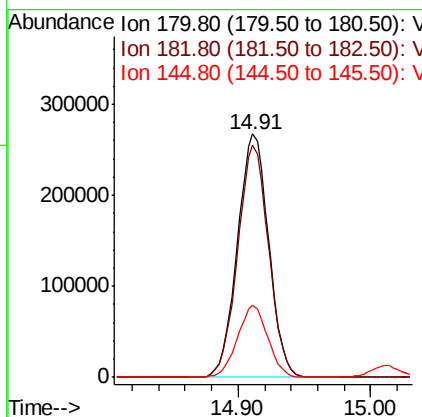
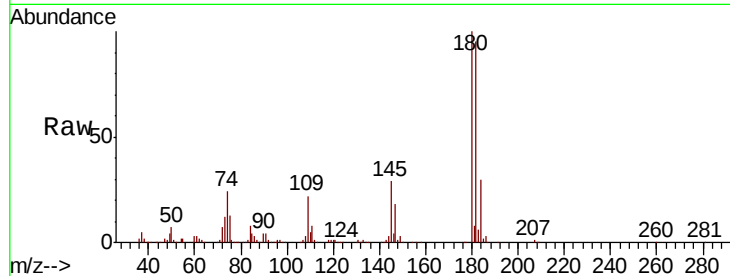
#93
 1,2,4-Trichlorobenzene
 Concen: 46.401 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	46.7	140.1	
145	28.8	13.8	41.4	

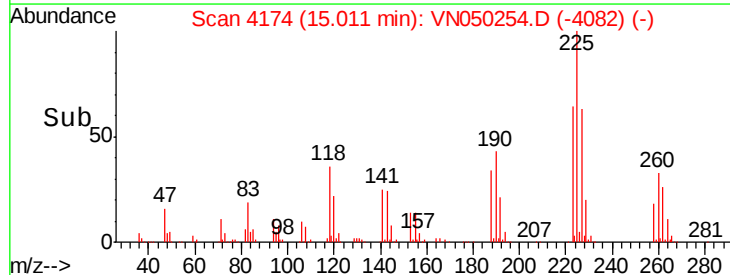
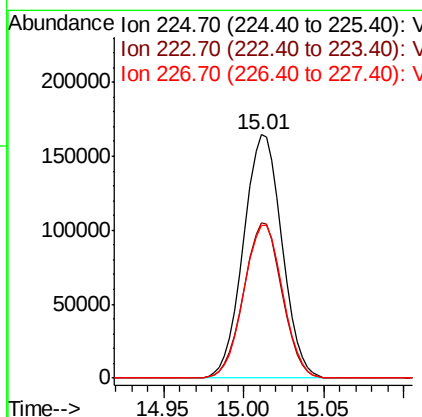
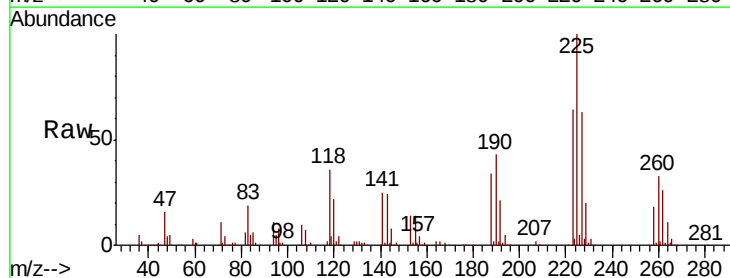
Manual Integrations
 APPROVED

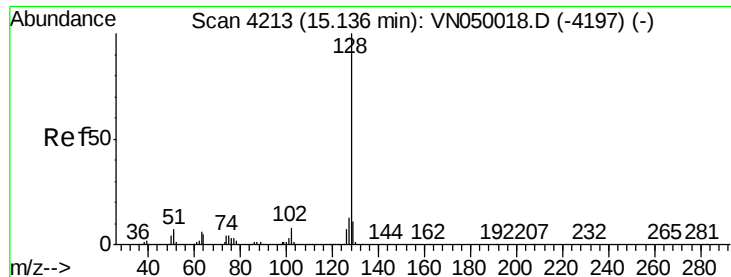
MMDadoda
 8/3/2018 9:36:00 AM



#94
 Hexachlorobutadiene
 Concen: 49.658 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050254.D
 Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.4	94.2	
227	63.7	32.1	96.5	





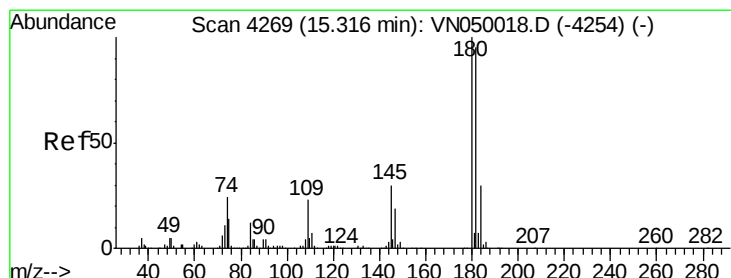
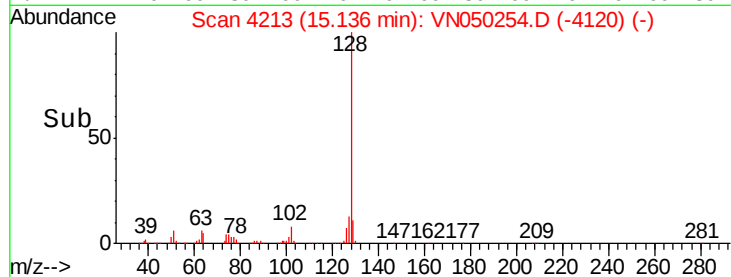
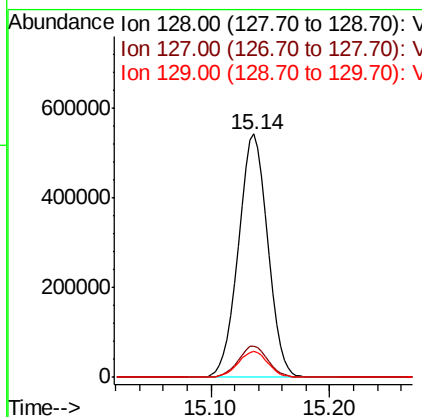
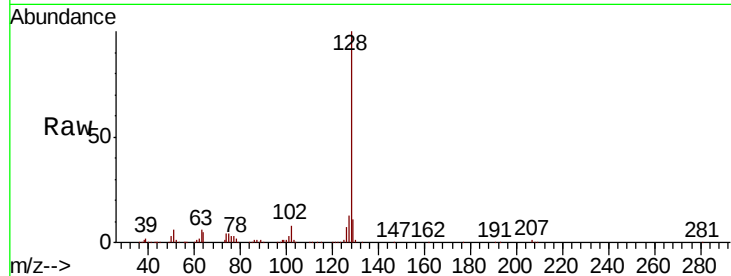
#95
Naphthalene
Concen: 42.239 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	926093		
127	13.0		10.4	15.6
129	10.9		8.8	13.2

Manual Integrations
APPROVED

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8/3/2018 9:36:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.864 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050254.D
Acq: 2 Aug 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	429656		
182	96.1		48.1	144.4
145	30.4		15.3	45.9

