

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050951.D
 Acq On : 30 Aug 2018 10:22
 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
 8/31/2018 11:32:21 AM

Quant Time: Aug 31 02:08:09 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	601101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	823604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	765781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	409060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	332841	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.59	113	323332	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	10.09	98	1206901	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	408601	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	388858	48.34	ug/l	100
3) Chloromethane	2.06	50	425230	42.86	ug/l	99
4) Vinyl Chloride	2.18	62	429920	45.74	ug/l	100
5) Bromomethane	2.56	94	244870	45.75	ug/l	98
6) Chloroethane	2.70	64	247860	45.64	ug/l	99
7) Trichlorofluoromethane	3.01	101	575635	47.83	ug/l	100
8) Diethyl Ether	3.41	74	197454	48.25	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361228	48.04	ug/l	99
10) Methyl Iodide	3.95	142	295734	45.47	ug/l	100
11) Tert butyl alcohol	4.79	59	117384	254.74	ug/l	100
12) 1,1-Dichloroethene	3.73	96	319386	47.31	ug/l	98
13) Acrolein	3.61	56	52379	198.62	ug/l	99
14) Allyl chloride	4.32	41	504425	47.95	ug/l	99
15) Acrylonitrile	4.99	53	594600	253.90	ug/l	99
16) Acetone	3.82	43	559554	328.76	ug/l	99
17) Carbon Disulfide	4.05	76	942460	41.64	ug/l	100
18) Methyl Acetate	4.33	43	370878	54.28	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	869411	51.20	ug/l	100
20) Methylene Chloride	4.55	84	371521	45.55	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	341745	46.80	ug/l	100
22) Diisopropyl ether	5.96	45	1062508	50.68	ug/l	97
23) Vinyl Acetate	5.90	43	3304039	244.72	ug/l	99
24) 1,1-Dichloroethane	5.85	63	633830	47.09	ug/l	99
25) 2-Butanone	6.84	43	744083	255.15	ug/l	100
26) 2,2-Dichloropropane	6.83	77	514259	47.55	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	383689	48.74	ug/l	100
28) Bromochloromethane	7.20	49	270648	47.32	ug/l	99
29) Tetrahydrofuran	7.21	42	437549	261.69	ug/l	99
30) Chloroform	7.37	83	639855	48.01	ug/l	98
31) Cyclohexane	7.65	56	564934	46.22	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	542751	47.41	ug/l	99
36) 1,1-Dichloropropene	7.80	75	489683	50.38	ug/l	99
37) Ethyl Acetate	6.93	43	285870	51.20	ug/l	99
38) Carbon Tetrachloride	7.77	117	488103	49.68	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	546255	51.95	ug/l	99
40) Benzene	8.04	78	1472719	50.25	ug/l	99
41) Methacrylonitrile	7.18	41	163532	54.13	ug/l	93
42) 1,2-Dichloroethane	8.13	62	439178	50.12	ug/l	99
43) Isopropyl Acetate	8.17	43	497593	51.84	ug/l #	88
44) Trichloroethene	8.84	130	388110	50.21	ug/l	99
45) 1,2-Dichloropropane	9.12	63	386373	50.16	ug/l	99
46) Dibromomethane	9.21	93	227618	50.29	ug/l	98
47) Bromodichloromethane	9.40	83	489416	51.63	ug/l	100
48) Methyl methacrylate	9.20	41	259885	53.12	ug/l	99
49) 1,4-Dioxane	9.20	88	75390	1130.47	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1469298	256.50	ug/l	99
52) Toluene	10.16	92	915437	52.73	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	491659	52.11	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	571406	52.89	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	332202	51.55	ug/l	99
56) Ethyl methacrylate	10.43	69	403048	48.17	ug/l	99
57) 1,3-Dichloropropane	10.71	76	551501	51.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	859640	235.75	ug/l	99
59) 2-Hexanone	10.75	43	1064093	279.04	ug/l	100
60) Dibromochloromethane	10.90	129	376837	52.23	ug/l	98
61) 1,2-Dibromoethane	11.01	107	324643	52.10	ug/l	100
64) Tetrachloroethene	10.63	164	355869	48.93	ug/l	99
65) Chlorobenzene	11.43	112	1002975	50.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	370733	50.62	ug/l	99
67) Ethyl Benzene	11.51	91	1708330	52.50	ug/l	100
68) m/p-Xylenes	11.62	106	1345286	108.92	ug/l	100
69) o-Xylene	11.95	106	633747	53.37	ug/l	100
70) Styrene	11.96	104	1037364	49.58	ug/l	100
71) Bromoform	12.13	173	270851	53.78	ug/l #	100
73) Isopropylbenzene	12.25	105	1710165	50.49	ug/l	100
74) N-amyl acetate	12.07	43	422501	49.64	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	420123	52.09	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	334074m	46.63	ug/l	
77) Bromobenzene	12.53	156	438268	47.61	ug/l	99
78) n-propylbenzene	12.59	91	1969468	52.05	ug/l	99
79) 2-Chlorotoluene	12.68	91	1158158	49.14	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1431655	52.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107352	50.65	ug/l	99
82) 4-Chlorotoluene	12.77	91	1191414	51.20	ug/l	99
83) tert-Butylbenzene	12.99	119	1209080	51.08	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1444659	52.55	ug/l	99
85) sec-Butylbenzene	13.17	105	1634493	52.70	ug/l	100
86) p-Isopropyltoluene	13.29	119	1450119	54.87	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	780163	49.94	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	754138	49.05	ug/l	100
89) n-Butylbenzene	13.62	91	1160479	54.90	ug/l	99
90) Hexachloroethane	13.87	117	257549	51.13	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	751062	49.83	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60164	49.46	ug/l	99

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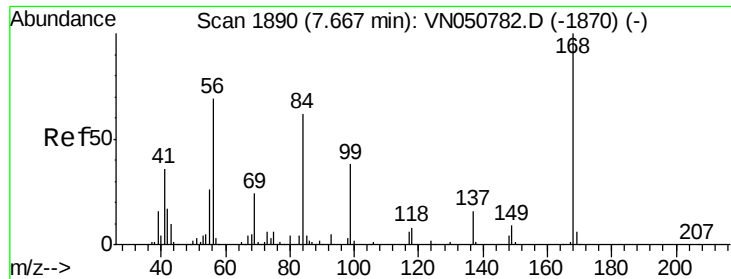
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	357842	46.00	ug/l	98
94) Hexachlorobutadiene	15.01	225	243649	54.64	ug/l	99
95) Naphthalene	15.13	128	675351	42.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	351145	47.92	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 601101

Ion Ratio Lower Upper

168 100

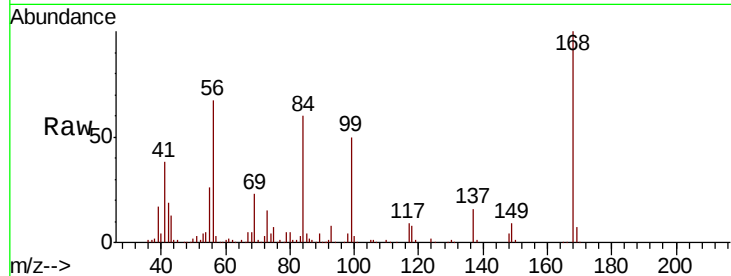
99 50.0 39.6 59.4

Manual Integrations

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8/31/2018 11:32:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

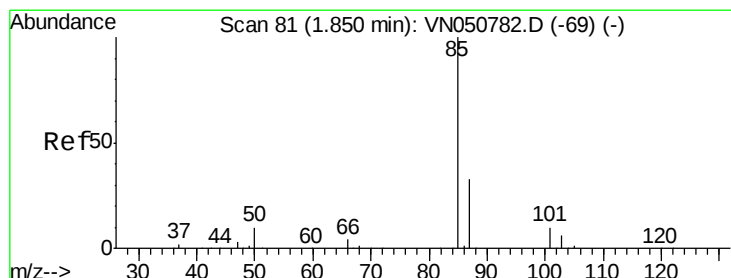
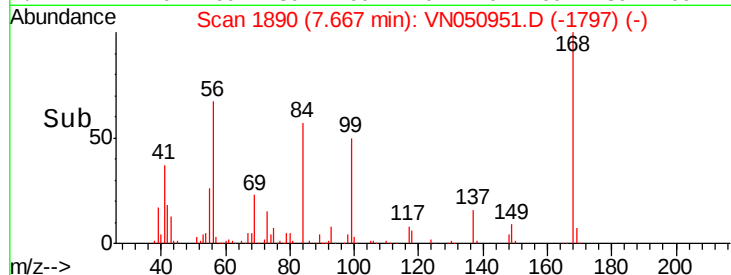
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.34 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050951.D

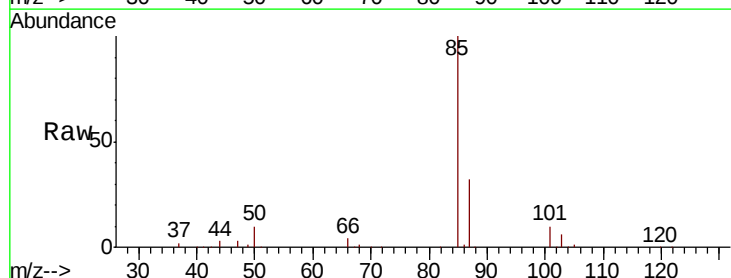
Acq: 30 Aug 2018 10:22

Tgt Ion: 85 Resp: 388858

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

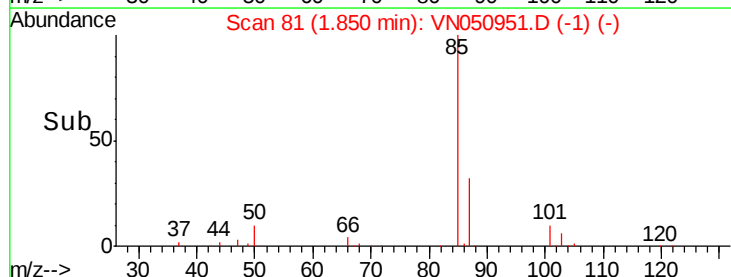
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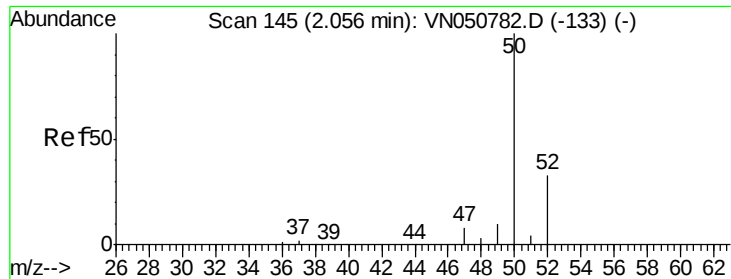
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 42.86 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 425230

Ion Ratio Lower Upper

50 100

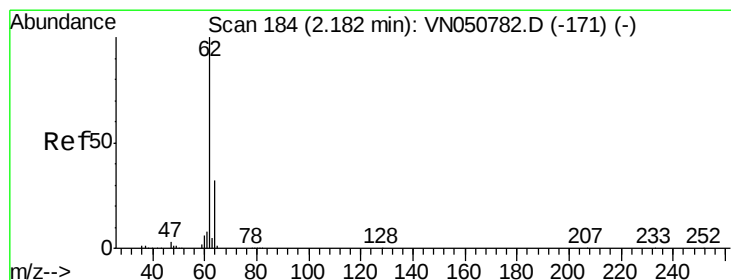
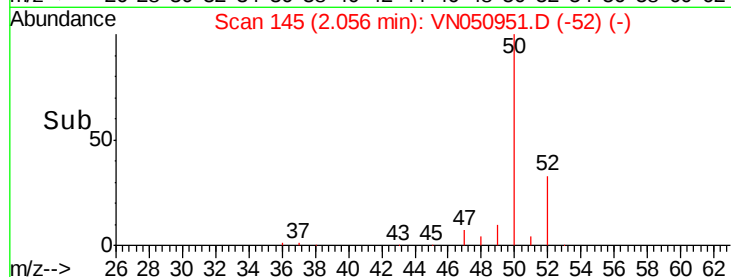
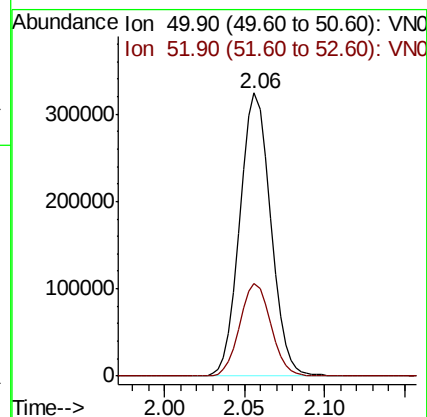
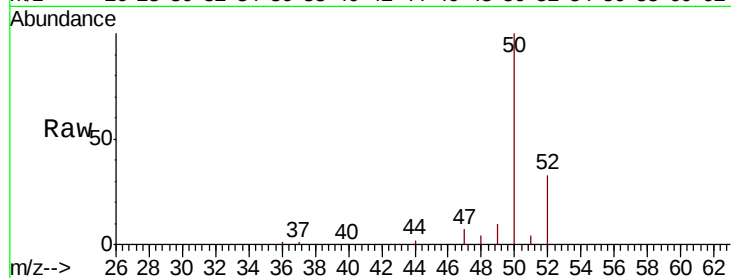
52 32.6 26.3 39.5

Manual Integrations

APPROVED

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8/31/2018 11:32:21 AM



#4

Vinyl Chloride

Concen: 45.74 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050951.D

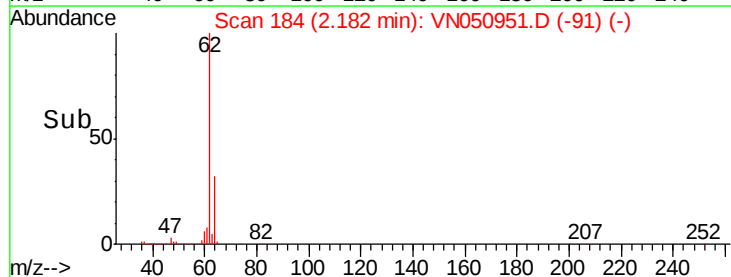
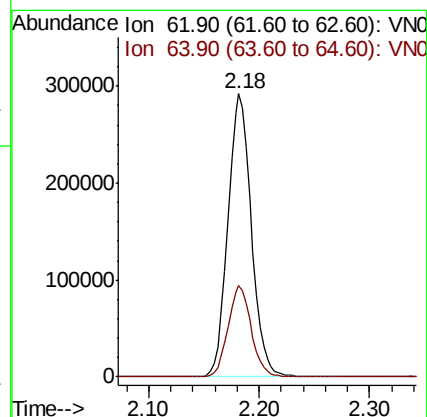
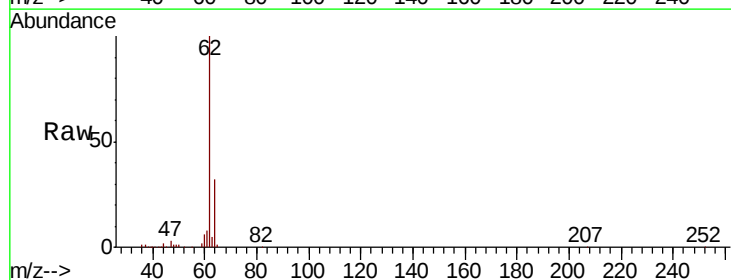
Acq: 30 Aug 2018 10:22

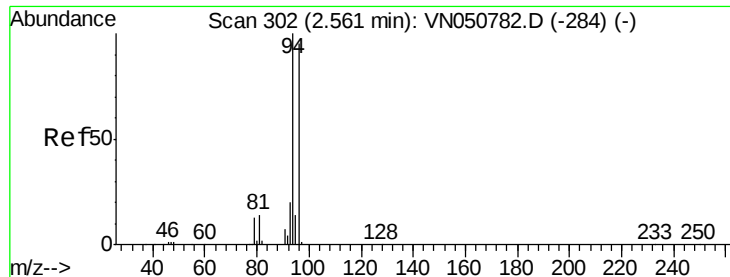
Tgt Ion: 62 Resp: 429920

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 45.75 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 244870

Ion Ratio Lower Upper

94 100

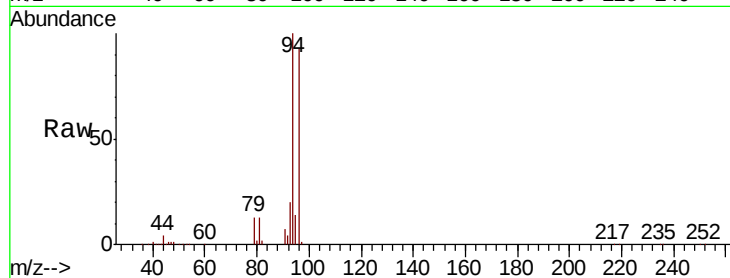
96 93.1 76.2 114.2

Manual Integrations

APPROVED

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8/31/2018 11:32:21 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

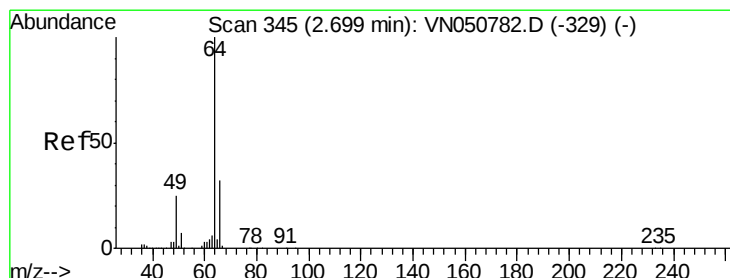
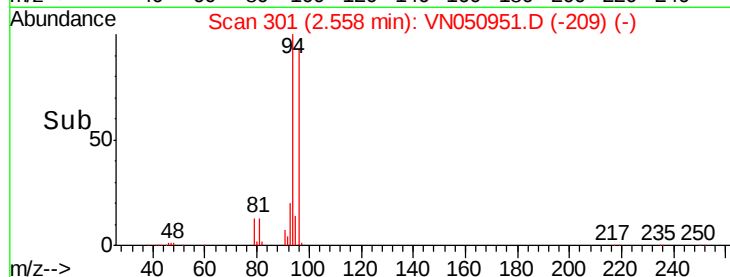
2.56

100000

50000

0

Time-->



#6

Chloroethane

Concen: 45.64 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050951.D

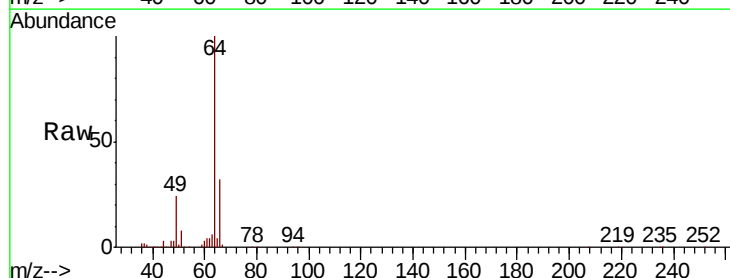
Acq: 30 Aug 2018 10:22

Tgt Ion: 64 Resp: 247860

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

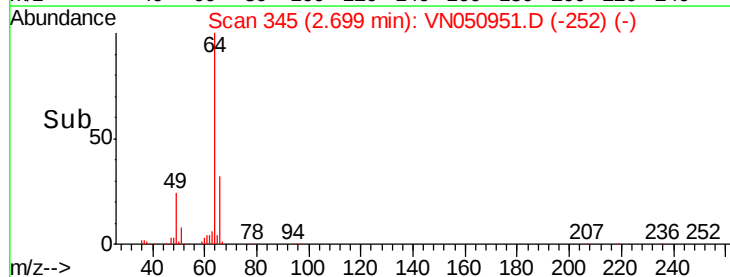
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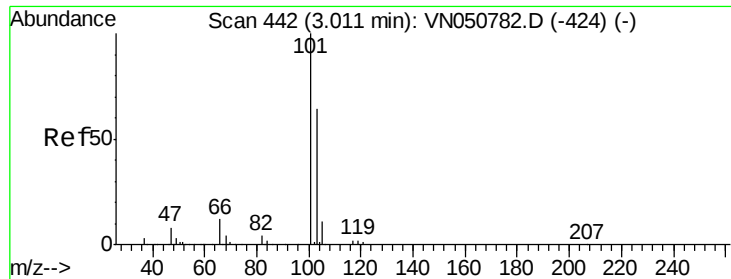
100000

50000

0

Time-->





#7

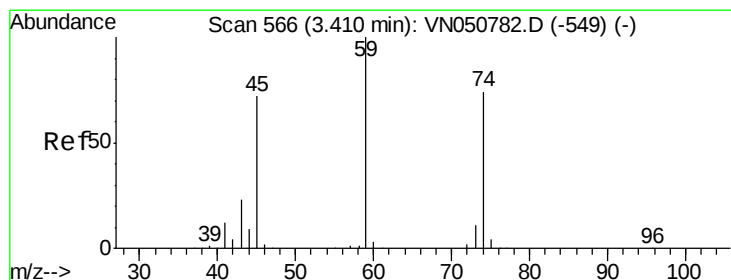
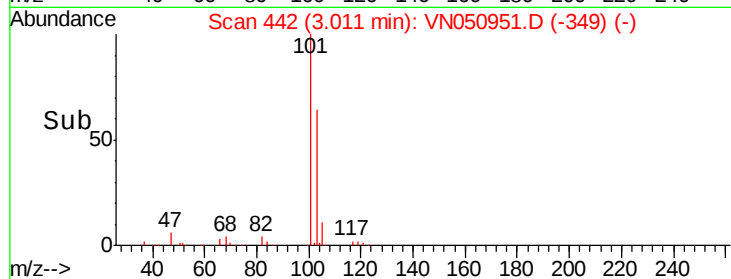
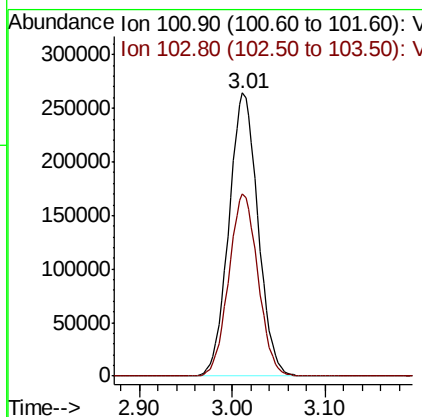
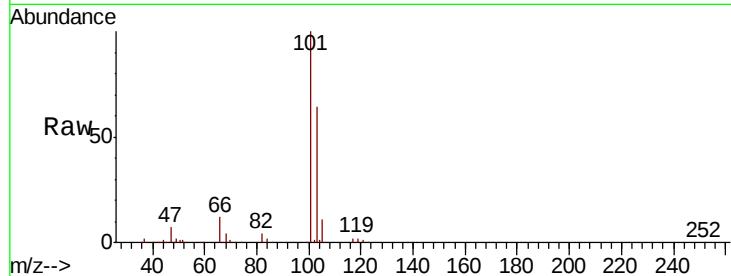
Trichlorofluoromethane
Concen: 47.83 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.6	77.4

Manual Integrations
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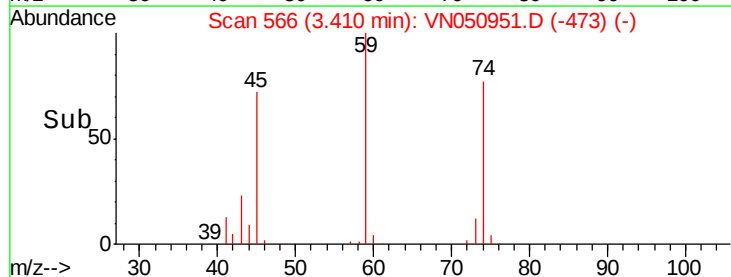
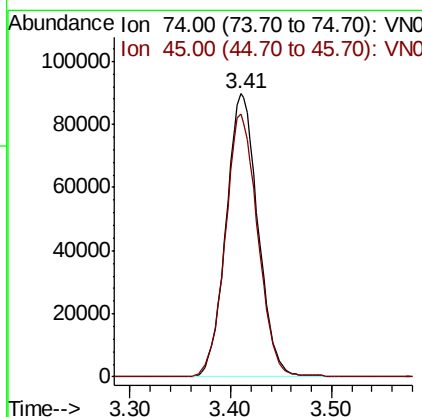
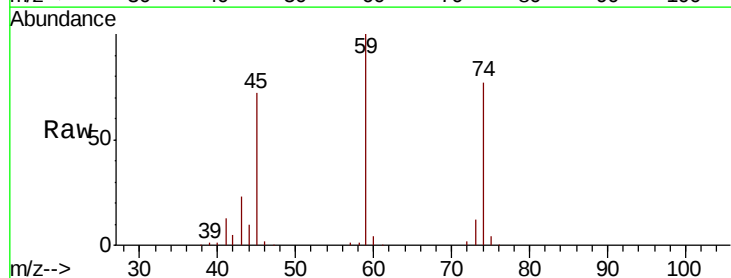
MMDadoda
8/31/2018 11:32:21 AM

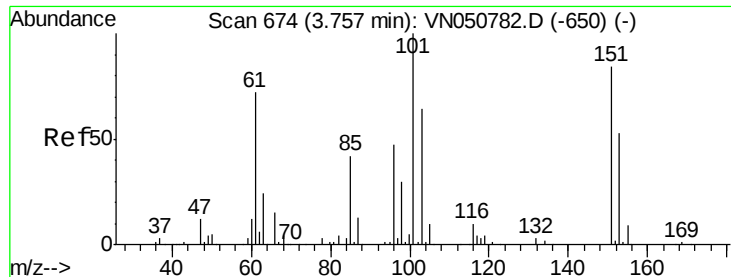


#8

Diethyl Ether
Concen: 48.25 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.04 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050951.D

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Instrument :

MSVOA_N

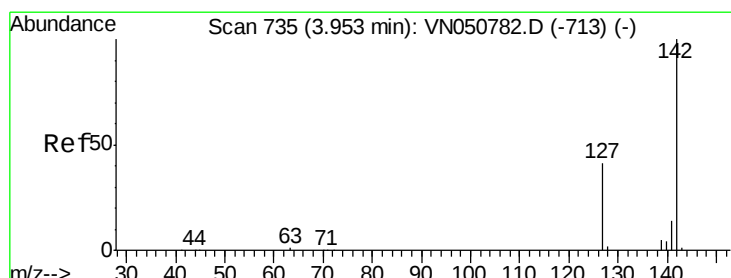
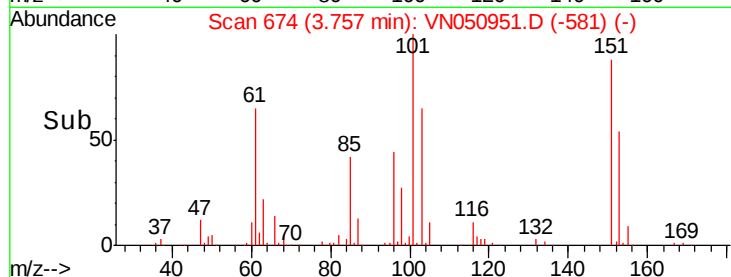
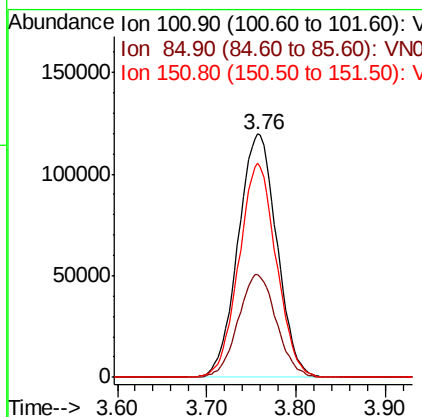
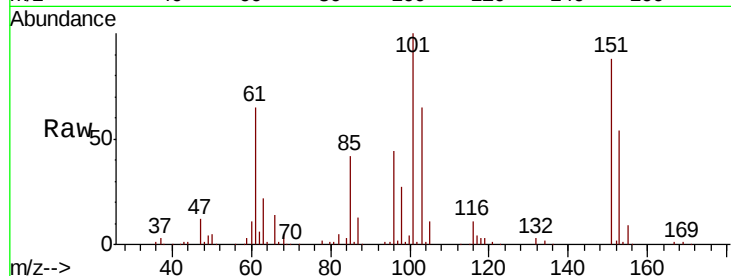
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	361228
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.7	50.5
151	85.0	67.4	101.2

Manual Integrations
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#10

Methyl Iodide

Concen: 45.47 ug/l

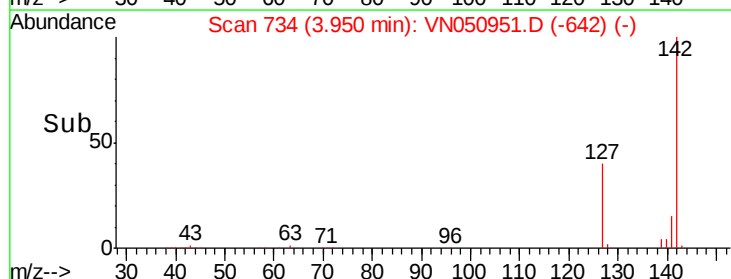
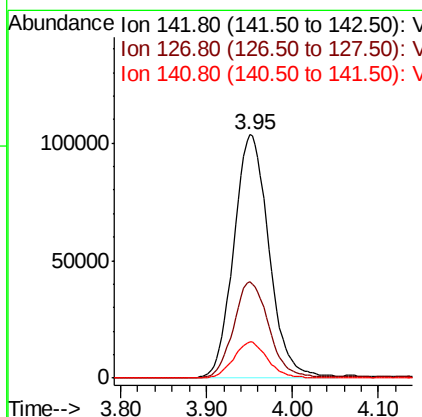
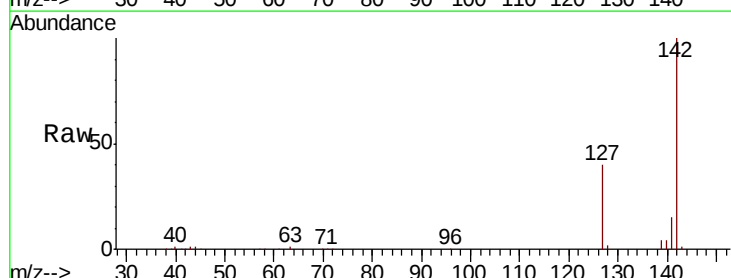
RT: 3.95 min Scan# 734

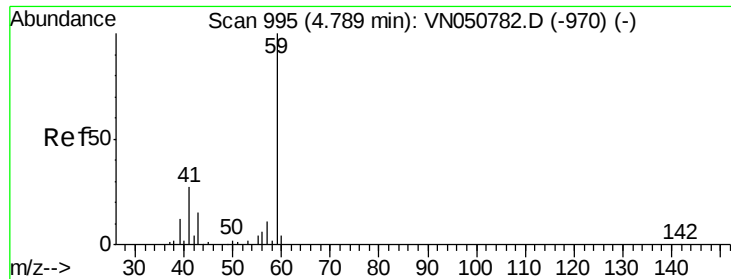
Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion:	142	Resp:	295734
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.7	47.5
141	14.4	11.4	17.0





#11

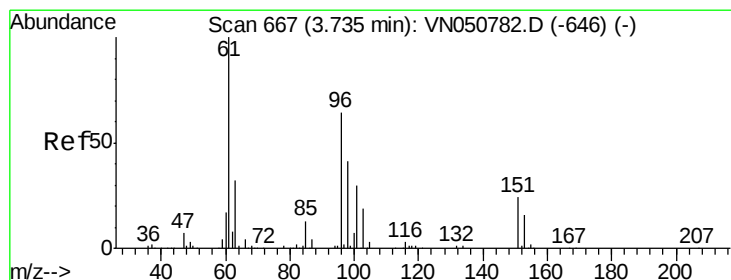
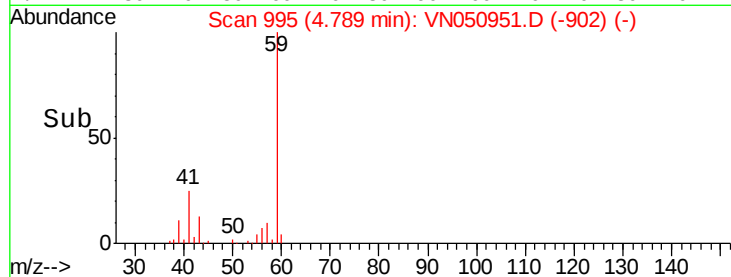
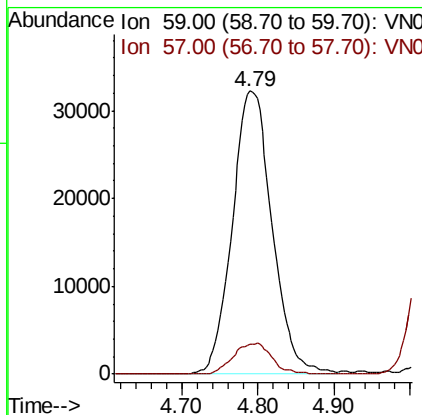
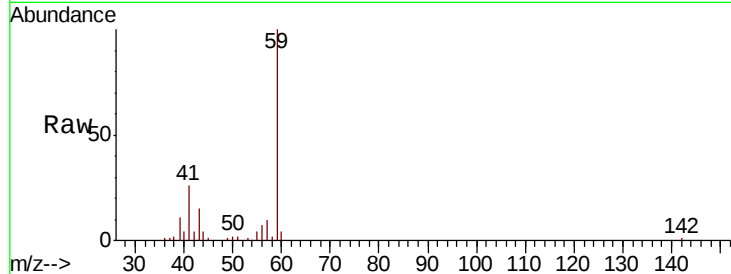
Tert butyl alcohol
 Concen: 254.74 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	117384
Ion Ratio	100	Lower	Upper
57	10.5	8.3	12.5

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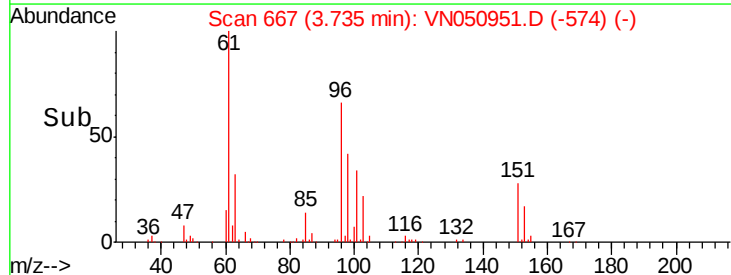
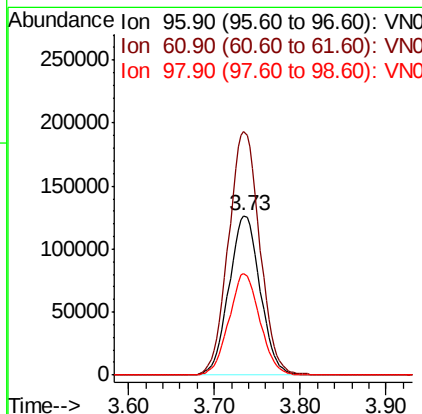
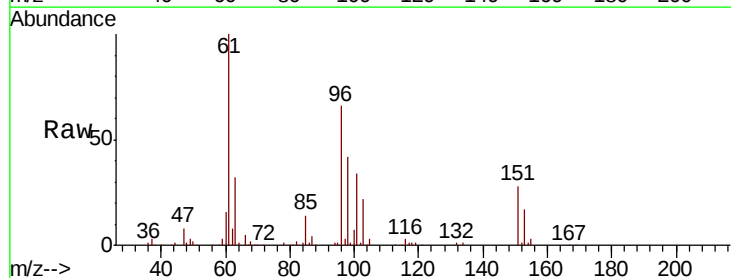
MMDadoda
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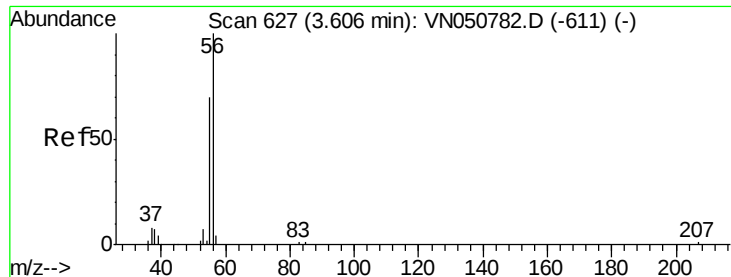


#12

1,1-Dichloroethene
 Concen: 47.31 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion	96	Resp	319386
Ion Ratio	100	Lower	Upper
61	152.7	124.9	187.3
98	63.9	51.1	76.7





#13

Acrolein

Concen: 198.62 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 52379

Ion Ratio Lower Upper

56 100

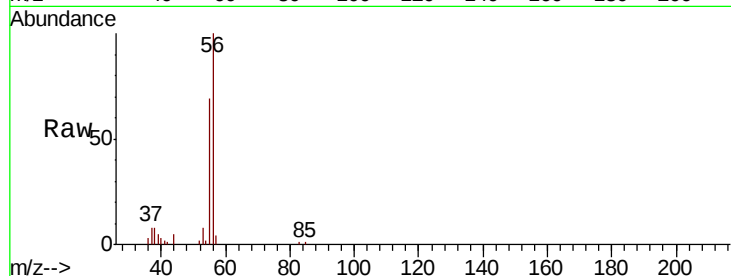
55 71.2 57.7 86.5

Manual Integrations

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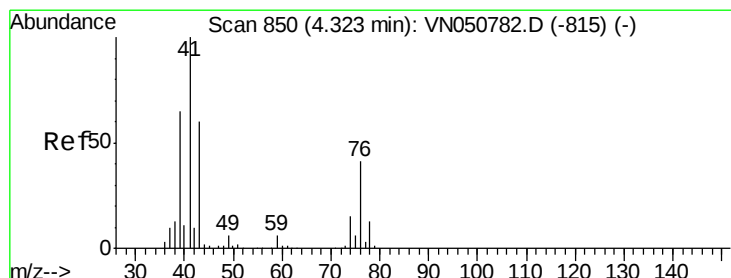
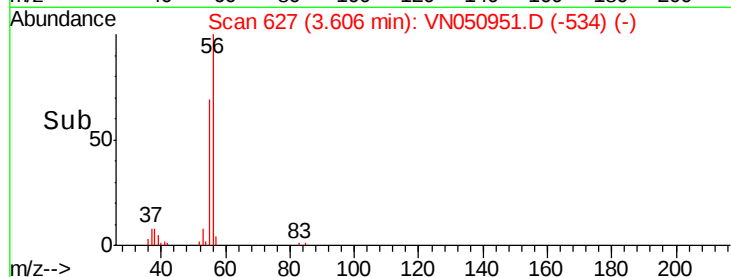
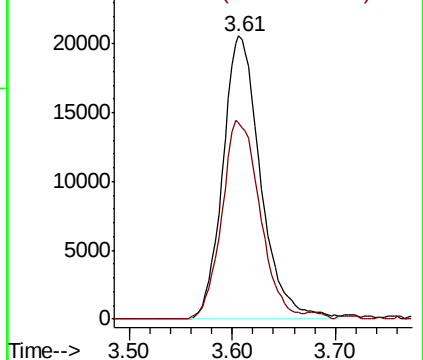
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.95 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

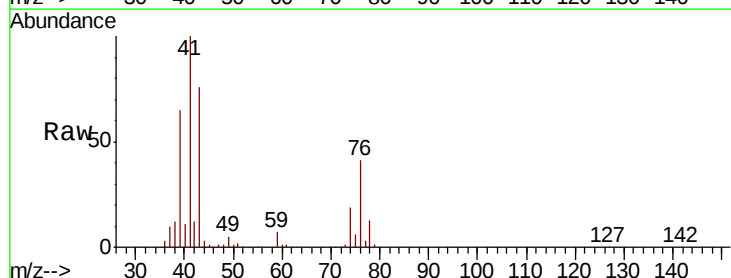
Tgt Ion: 41 Resp: 504425

Ion Ratio Lower Upper

41 100

39 61.7 50.2 75.2

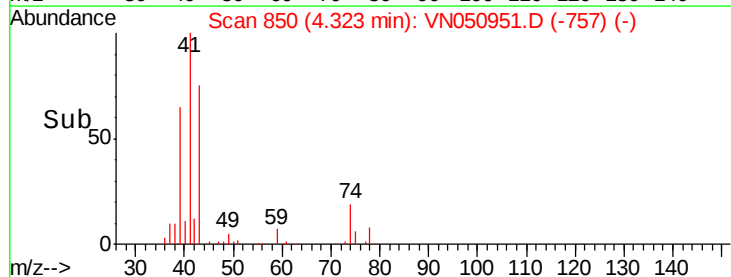
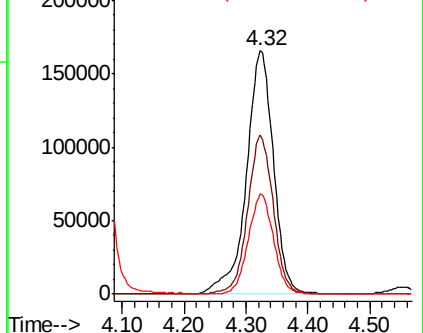
76 37.7 29.8 44.8

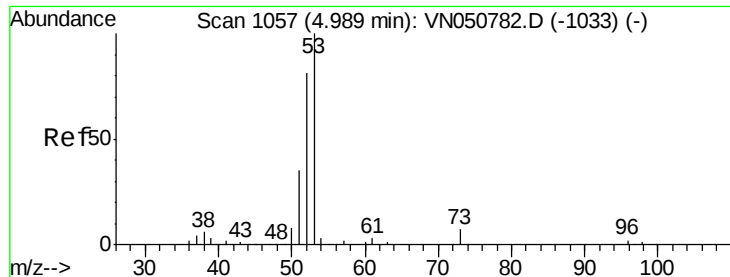


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 253.90 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

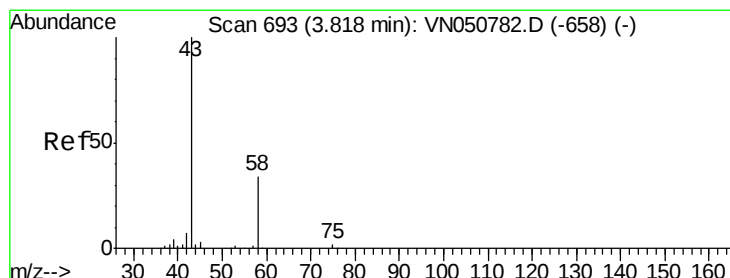
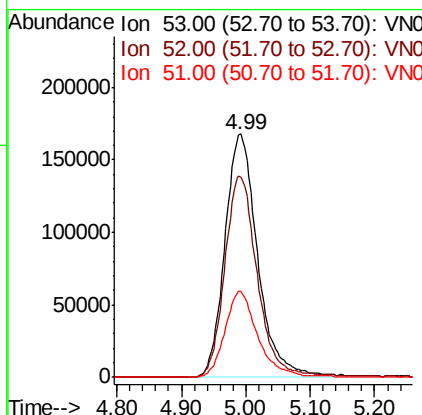
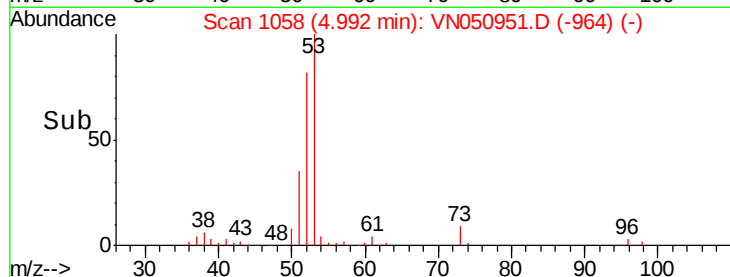
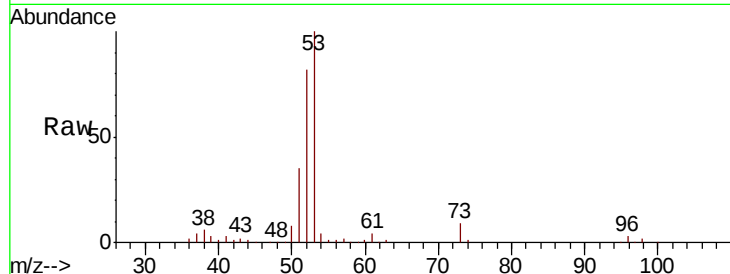
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	594600
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.9	98.9
51	35.7	28.6	43.0

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#16

Acetone

Concen: 328.76 ug/l

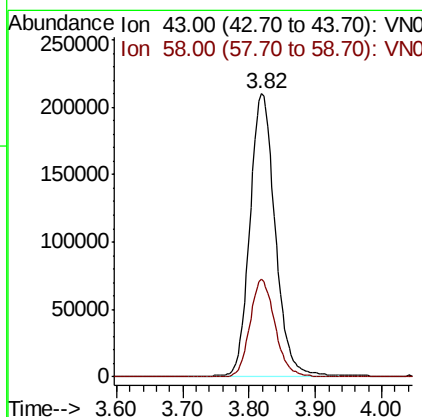
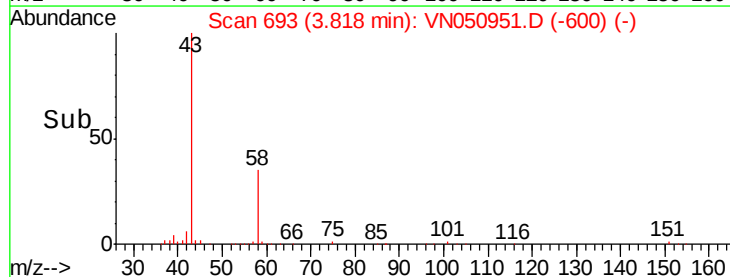
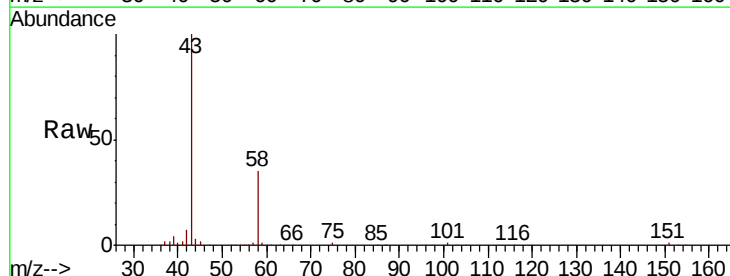
RT: 3.82 min Scan# 693

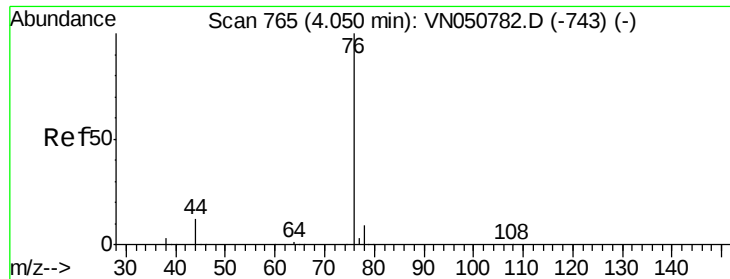
Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion:	43	Resp:	559554
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.2	40.8





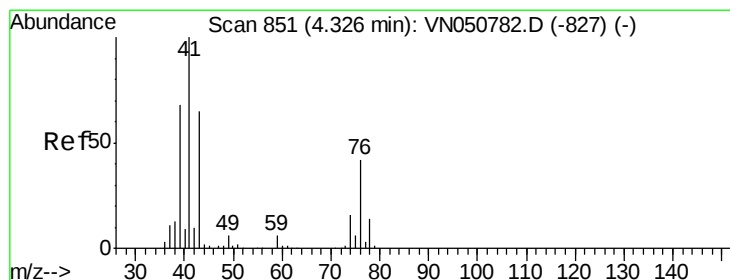
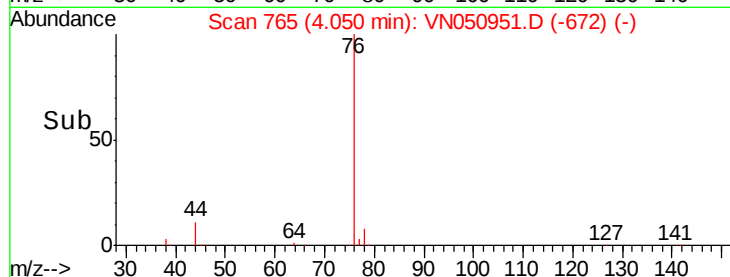
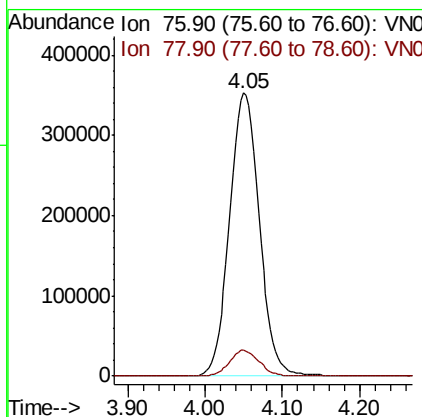
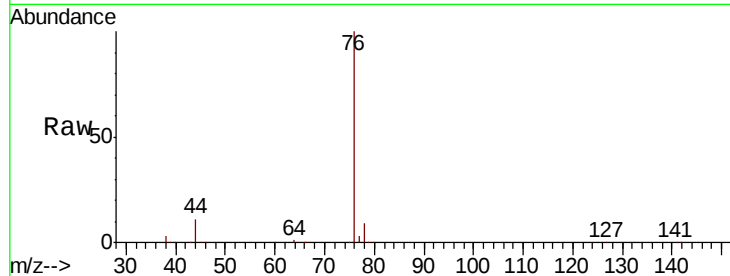
#17
Carbon Disulfide
Concen: 41.64 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

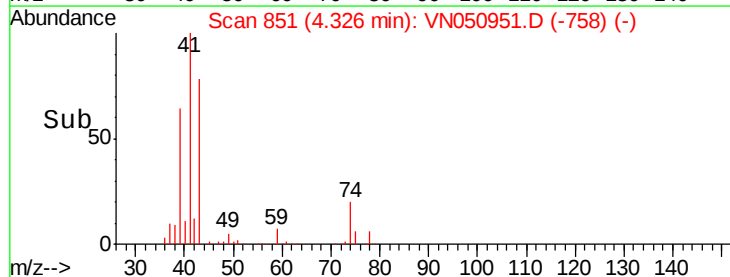
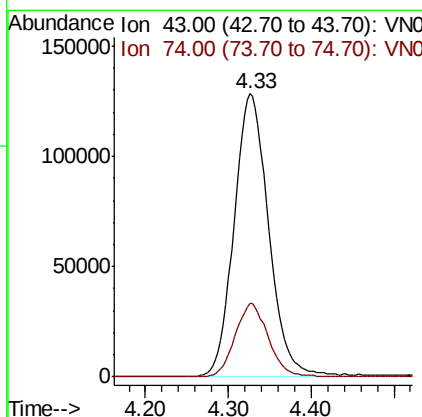
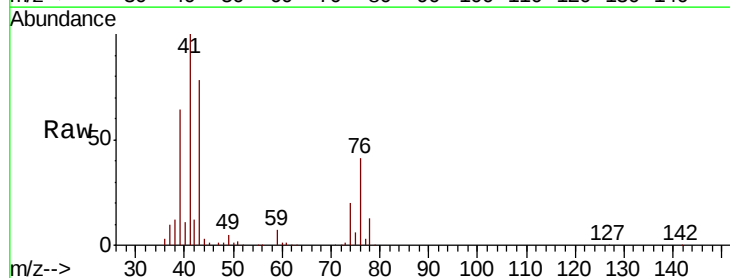
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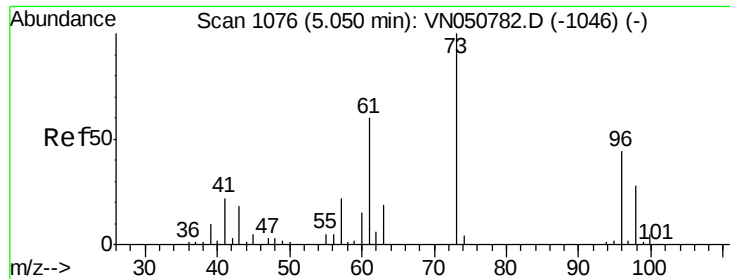
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#18
Methyl Acetate
Concen: 54.28 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.8	29.8





#19

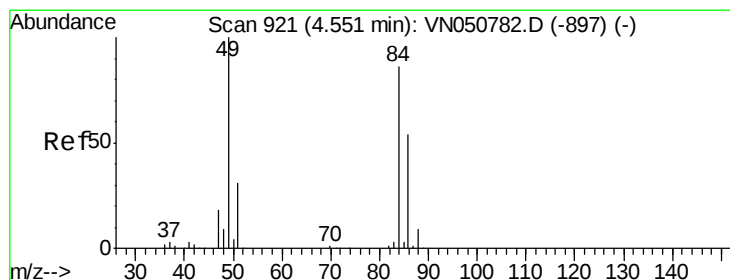
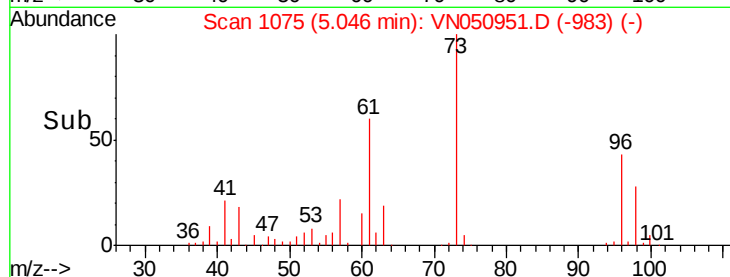
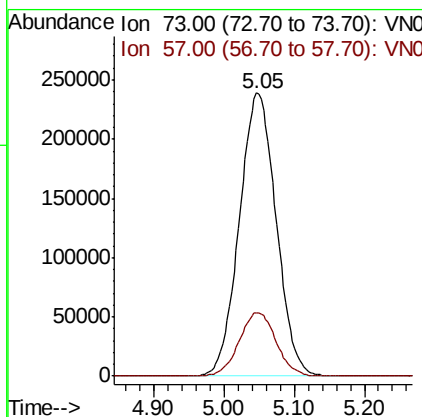
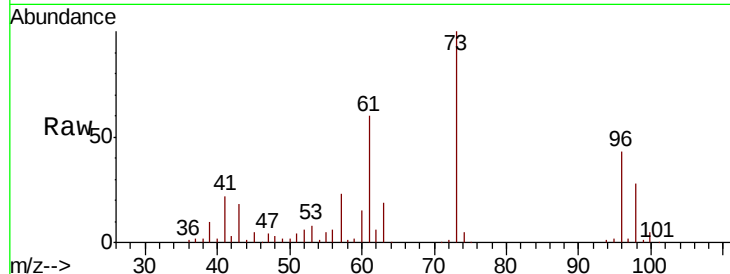
Methyl tert-butyl Ether
 Concen: 51.20 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.8	26.8

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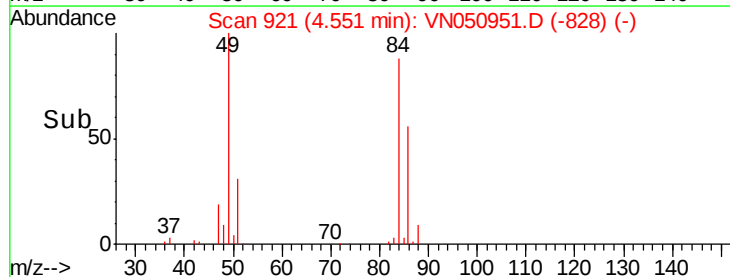
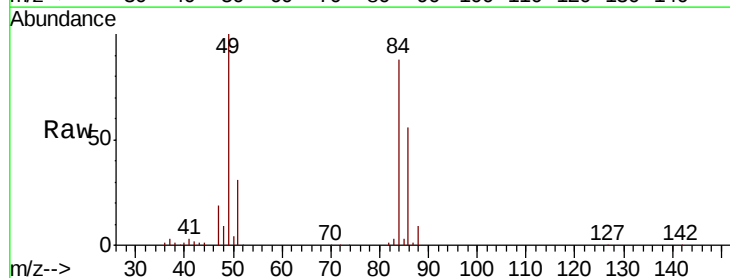
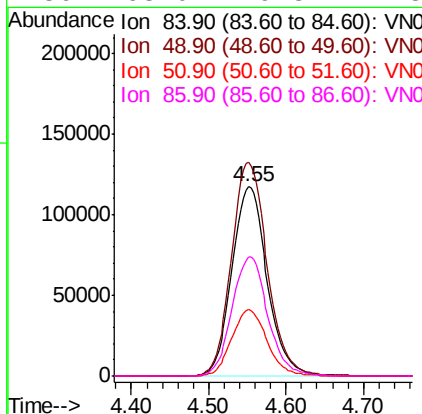
MMDadoda
 8/31/2018 11:32:21 AM

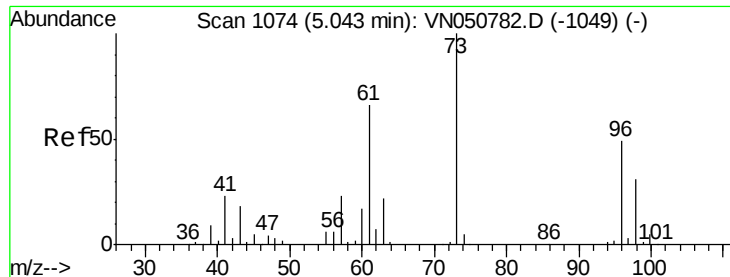


#20

Methylene Chloride
 Concen: 45.55 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.0	93.2	139.8
51	35.0	29.0	43.6
86	63.0	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 46.80 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 341745

Ion Ratio Lower Upper

96 100

61 134.6 107.4 161.0

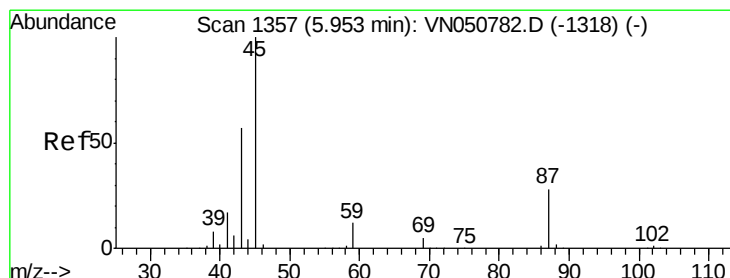
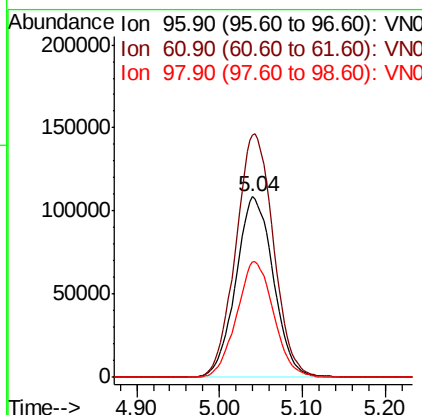
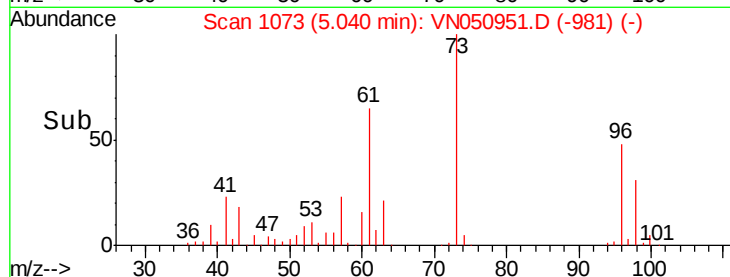
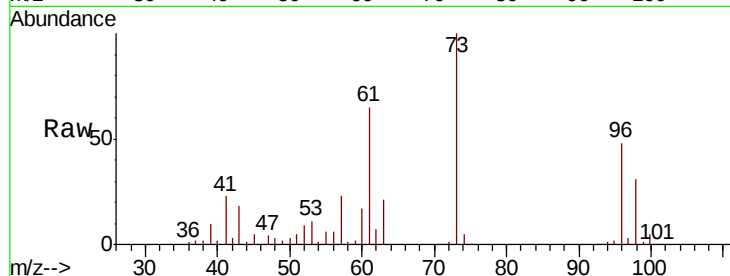
98 64.0 50.7 76.1

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#22

Diisopropyl ether

Concen: 50.68 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion: 45 Resp: 1062508

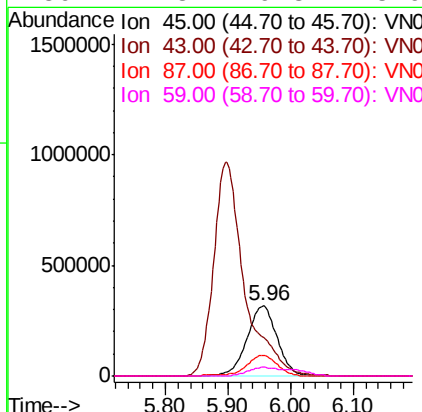
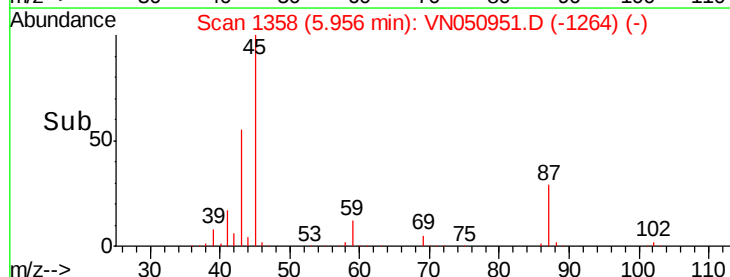
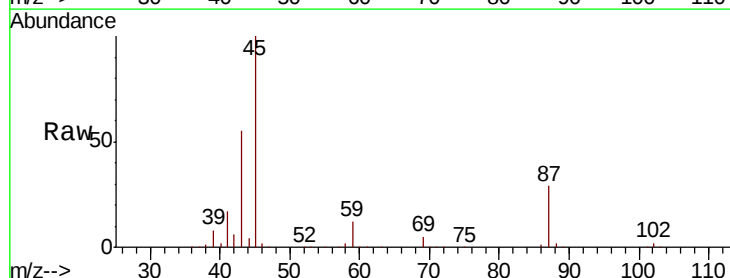
Ion Ratio Lower Upper

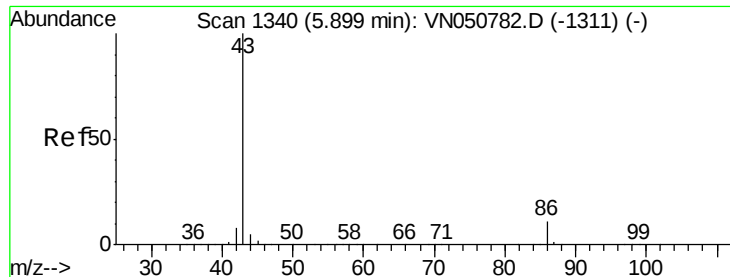
45 100

43 54.5 45.9 68.9

87 29.1 22.7 34.1

59 11.8 9.3 13.9





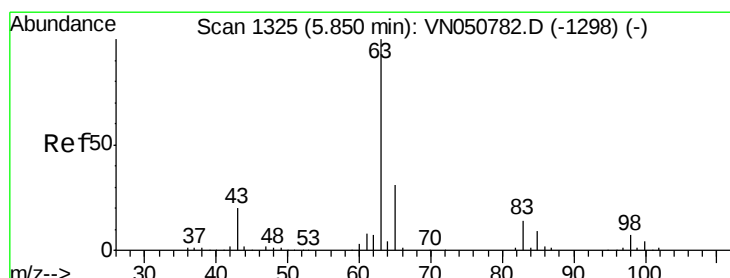
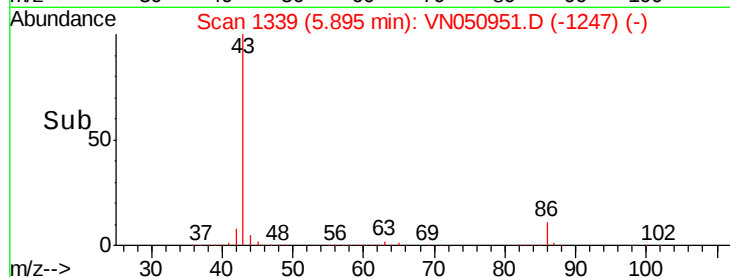
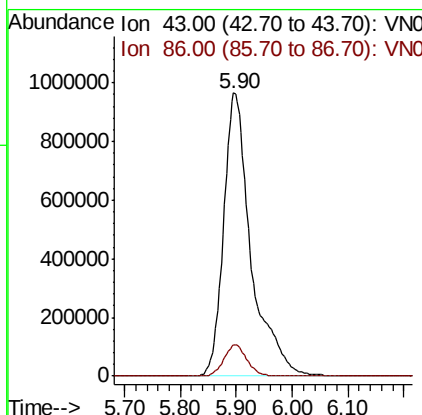
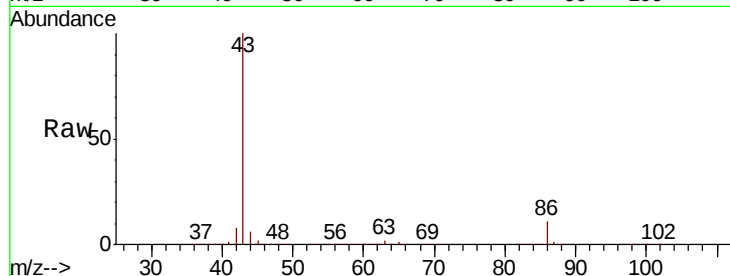
#23
 Vinyl Acetate
 Concen: 244.72 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 3304039
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.7 13.1

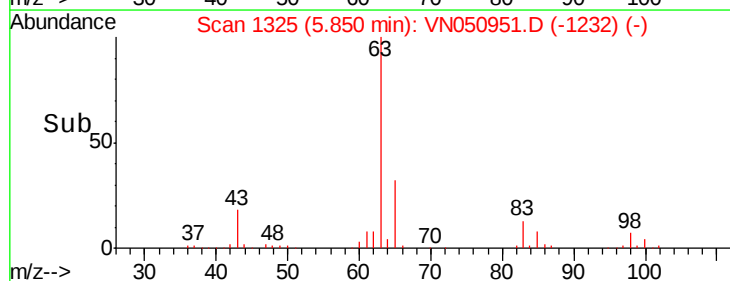
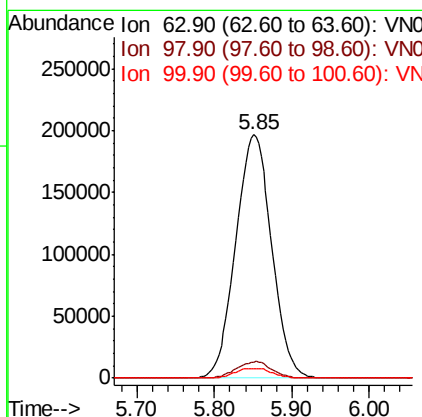
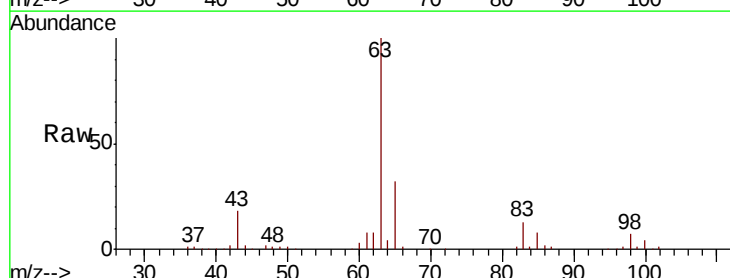
Manual Integrations
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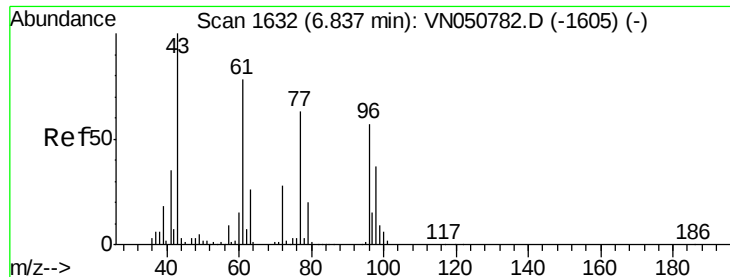
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 47.09 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion: 63 Resp: 633830
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.0 2.1 6.5





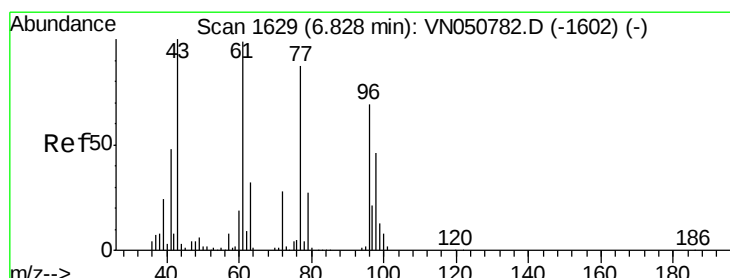
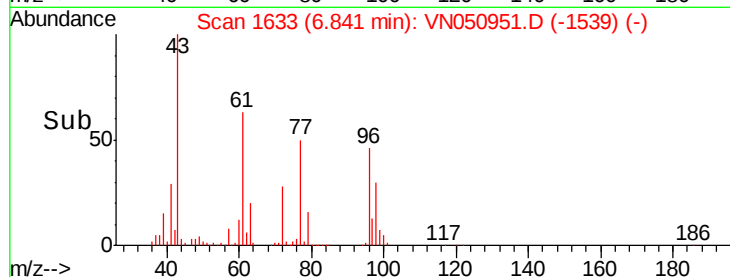
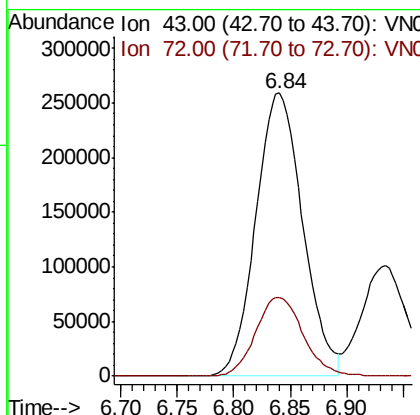
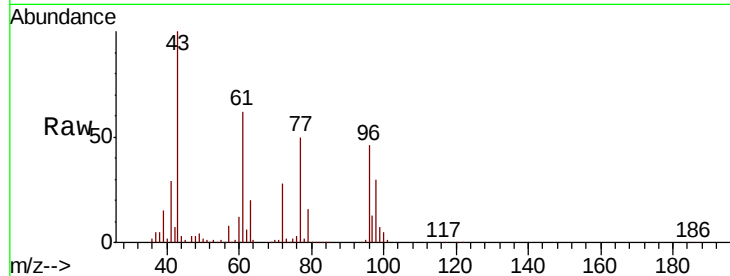
#25
2-Butanone
Concen: 255.15 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 744083
Ion Ratio Lower Upper
43 100
72 27.8 22.3 33.5

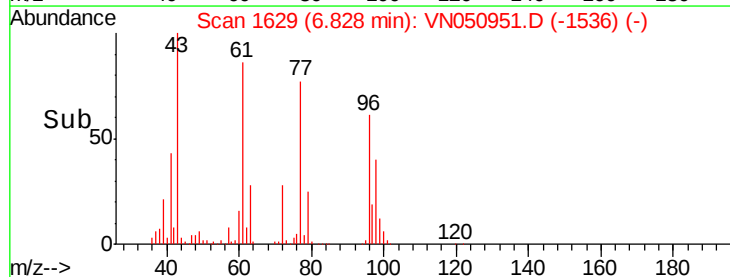
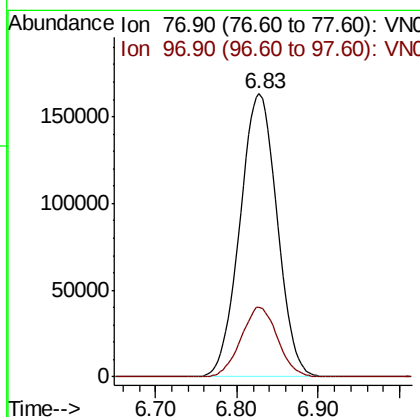
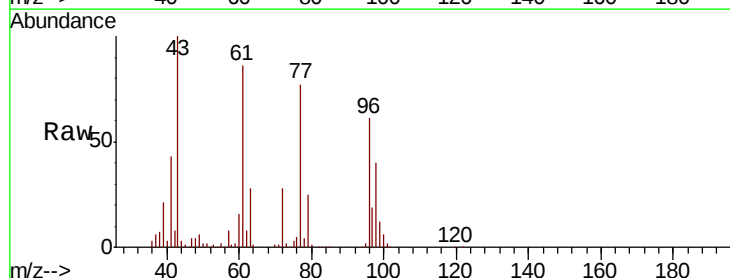
Manual Integrations
APPROVED

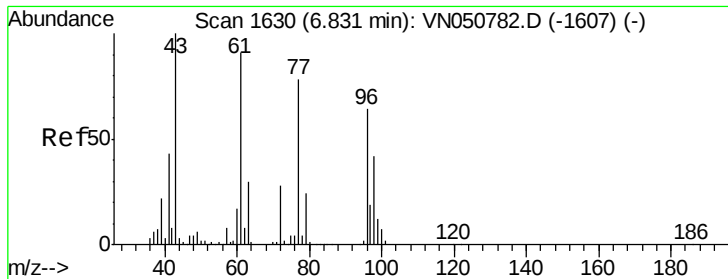
MMDadoda
8/31/2018 11:32:21 AM



#26
2,2-Dichloropropane
Concen: 47.55 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 77 Resp: 514259
Ion Ratio Lower Upper
77 100
97 24.3 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 48.74 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

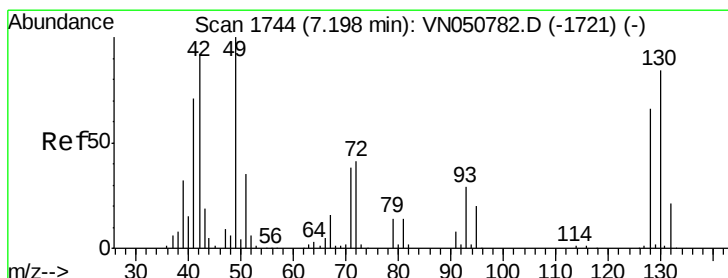
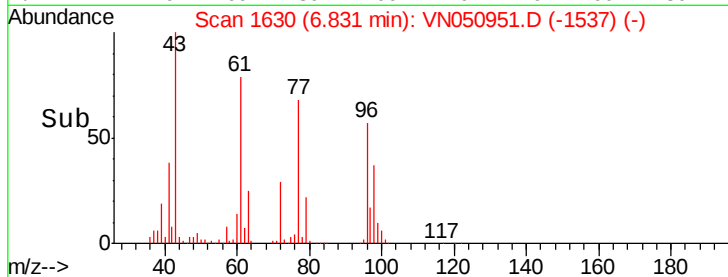
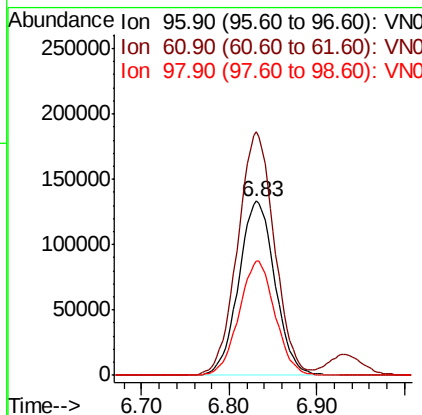
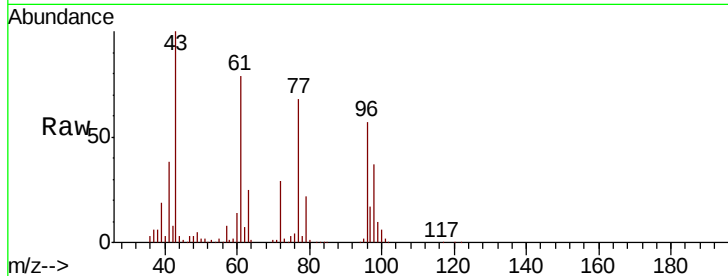
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	383689
Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	283.4
98	65.0	0.0	129.8

Manual Integrations
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MMDadoda
8/31/2018 11:32:21 AM



#28

Bromochloromethane

Concen: 47.32 ug/l

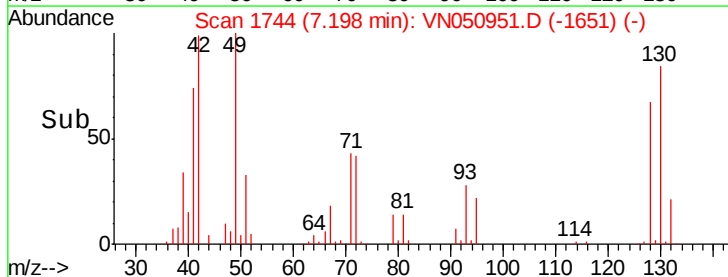
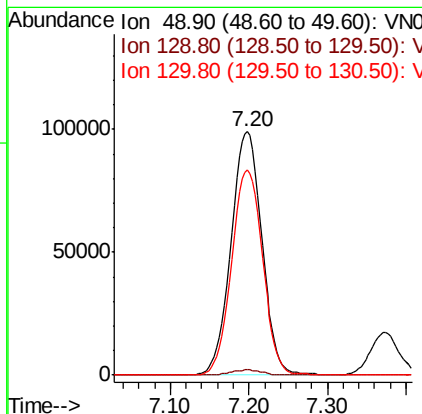
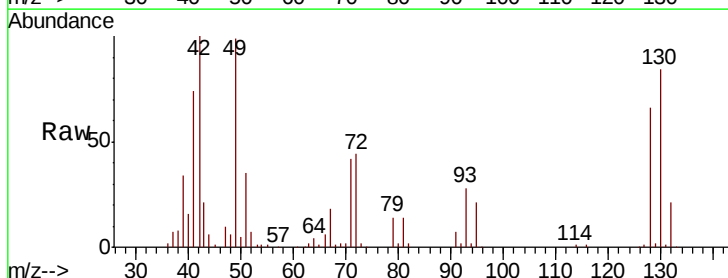
RT: 7.20 min Scan# 1744

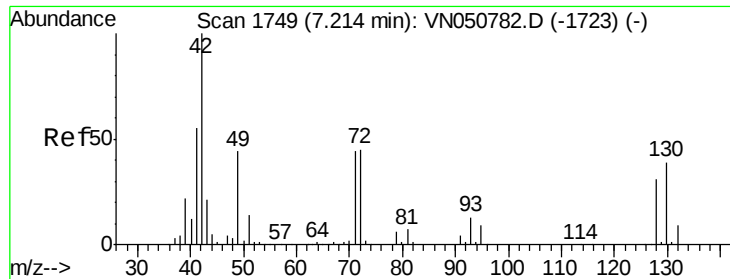
Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion:	49	Resp:	270648
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.7	67.1	100.7





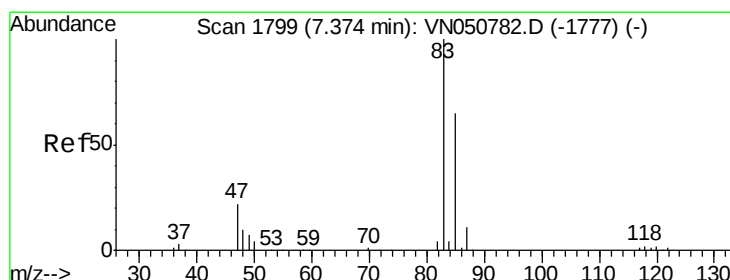
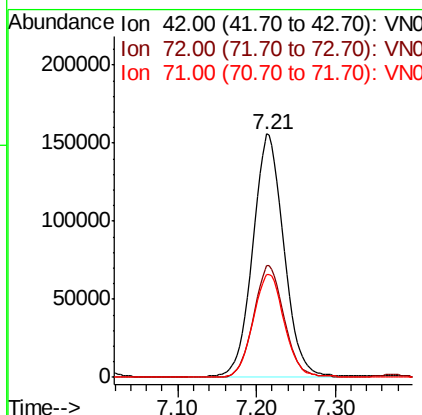
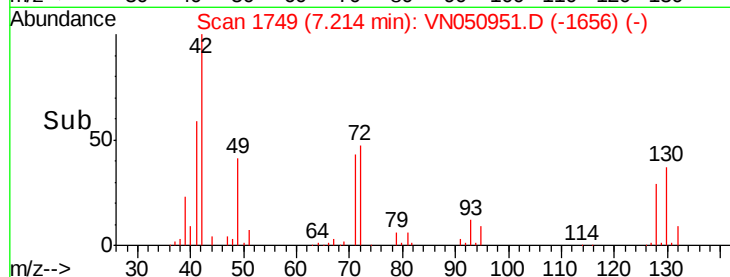
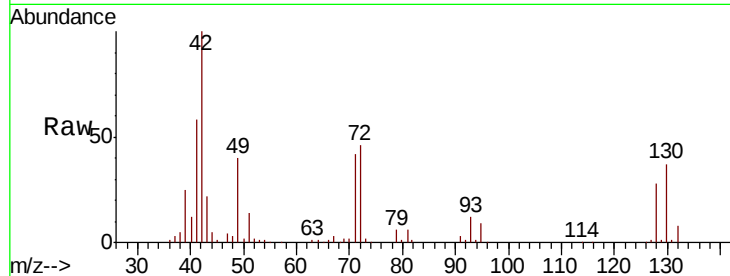
#29
Tetrahydrofuran
Concen: 261.69 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.5	53.3
71	42.8	33.7	50.5

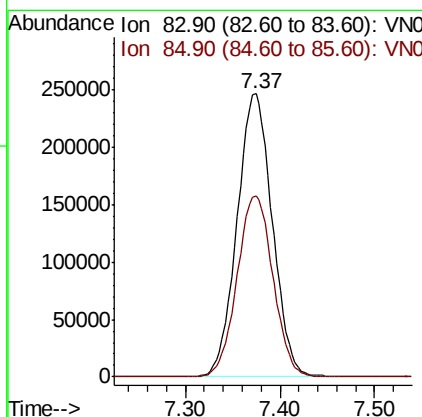
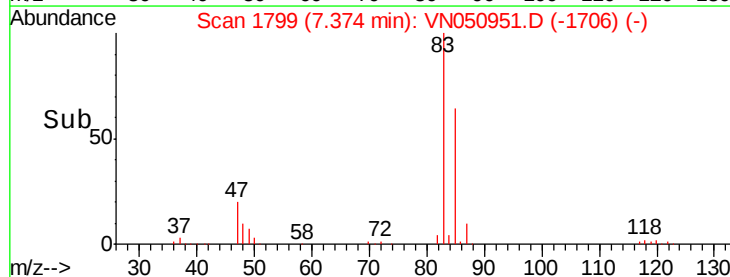
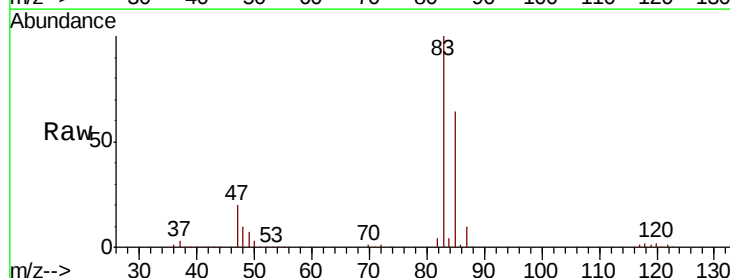
Manual Integrations
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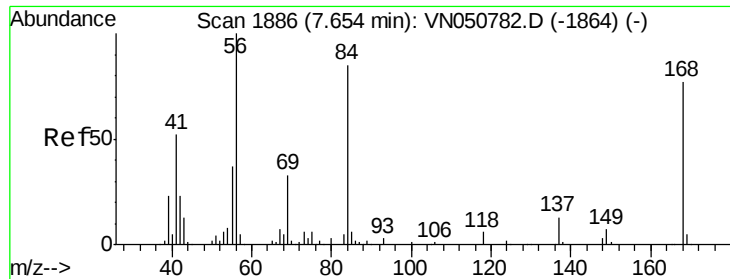
MMDadoda
8/31/2018 11:32:21 AM



#30
Chloroform
Concen: 48.01 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4





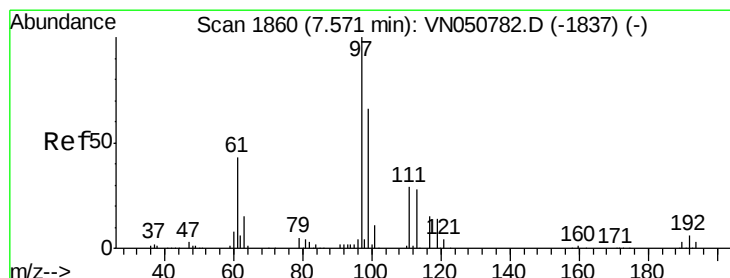
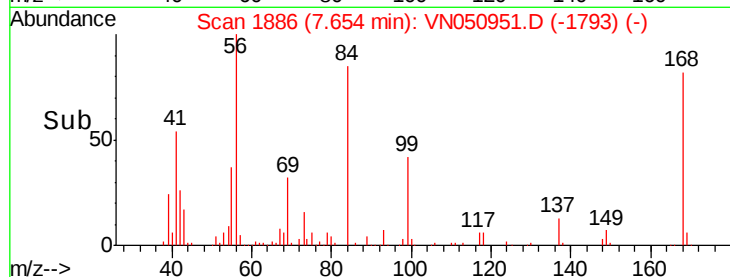
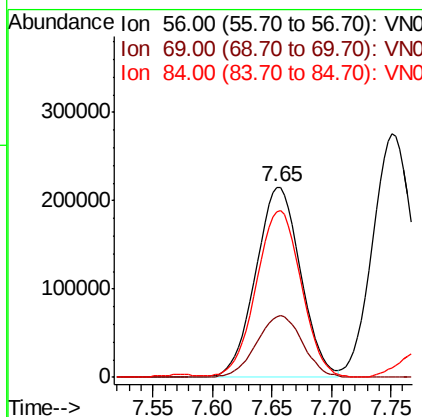
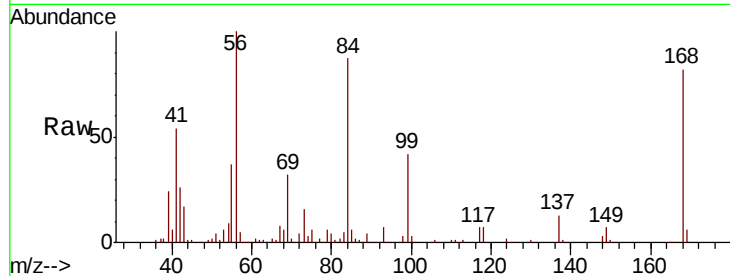
#31
Cyclohexane
Concen: 46.22 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.2	39.4
84	86.1	68.3	102.5

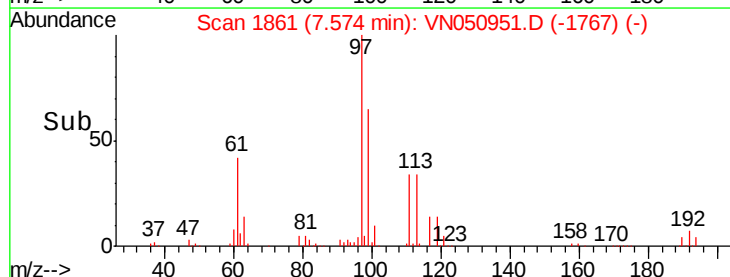
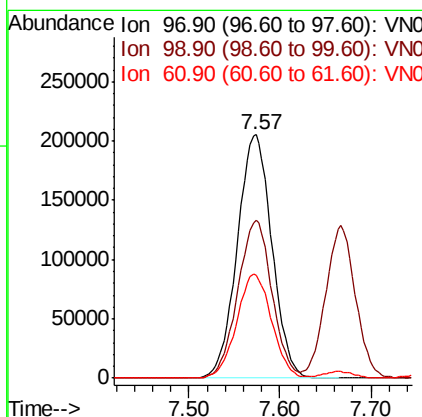
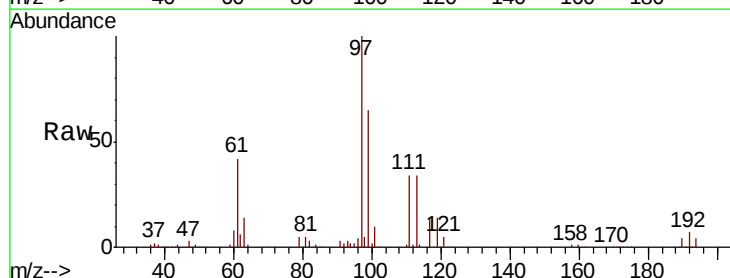
Manual Integrations
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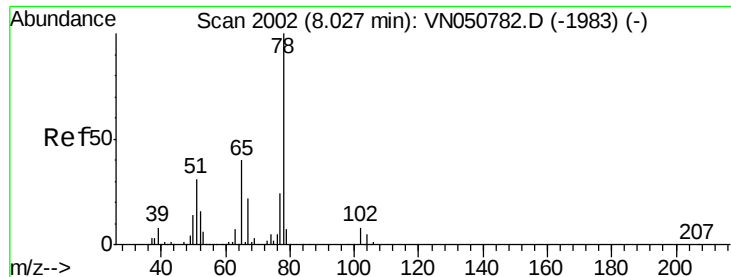
MMDadoda
8/31/2018 11:32:21 AM



#32
1,1,1-Trichloroethane
Concen: 47.41 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	43.1	34.9	52.3





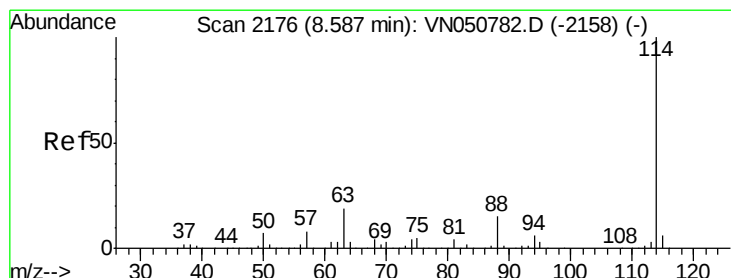
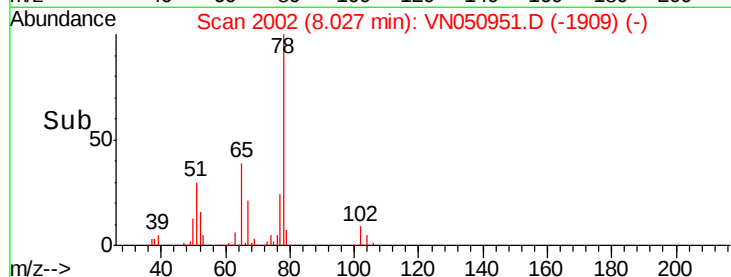
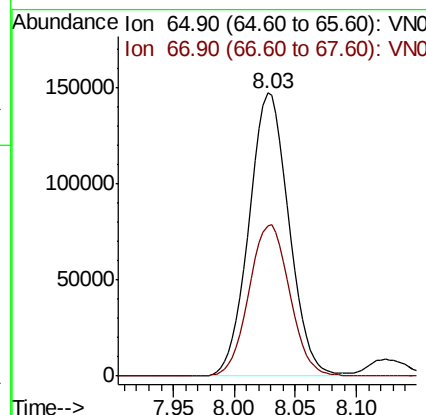
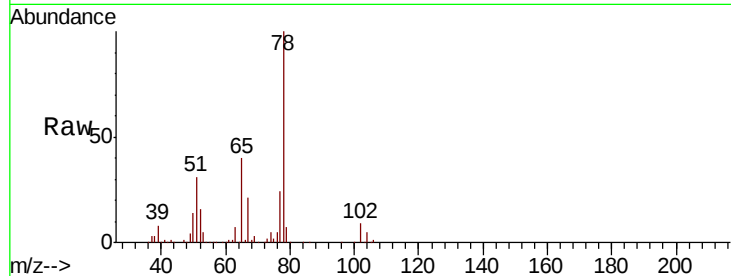
#33
 1,2-Dichloroethane-d4
 Concen: 46.00 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	332841		
67	54.7	0.0	110.4	

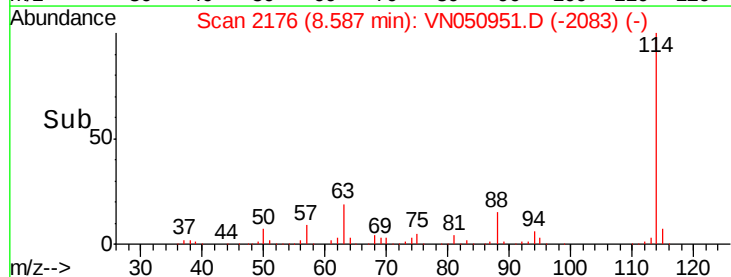
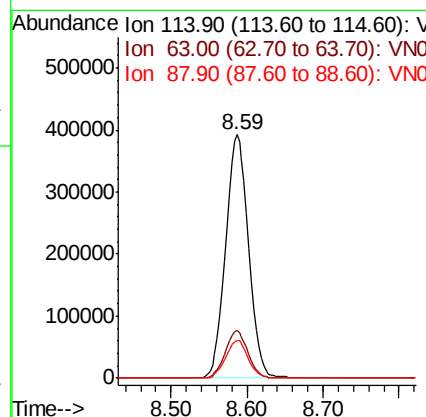
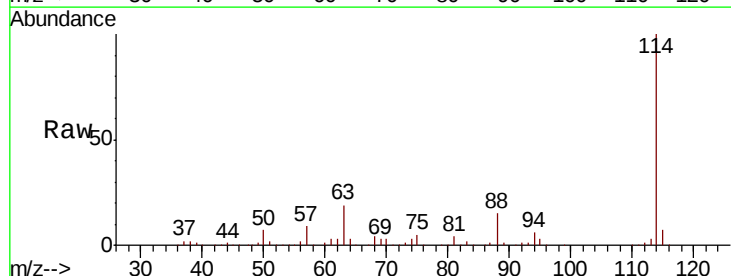
Manual Integrations
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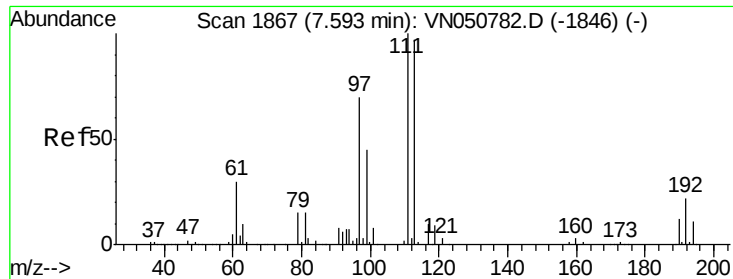
MMDadoda
 8/31/2018 11:32:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	823604		
63	19.5	0.0	38.6	
88	15.4	0.0	30.6	





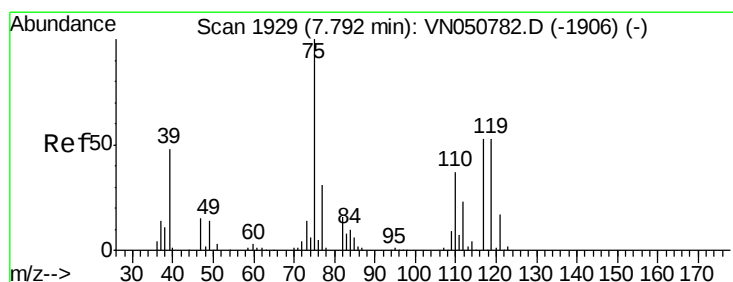
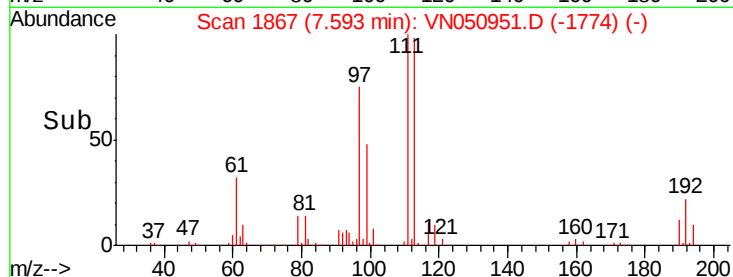
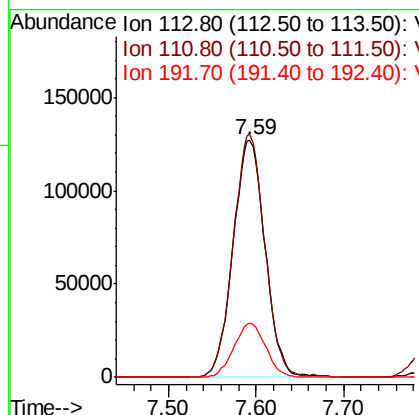
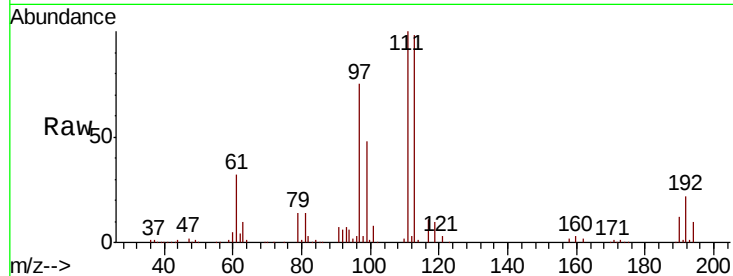
#35
Dibromofluoromethane
Concen: 49.35 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.5	82.6	123.8	
192	22.5	18.0	27.0	

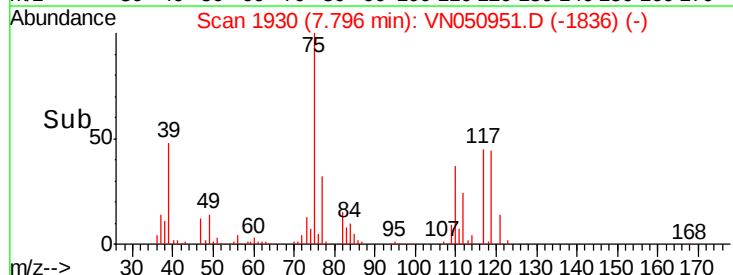
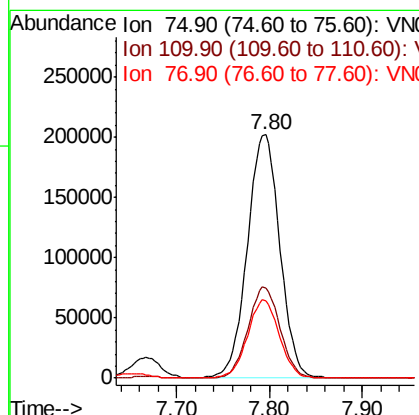
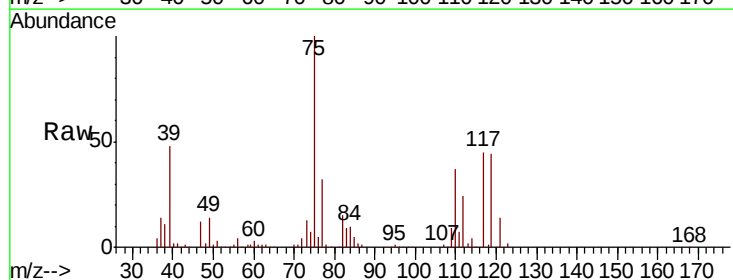
Manual Integrations
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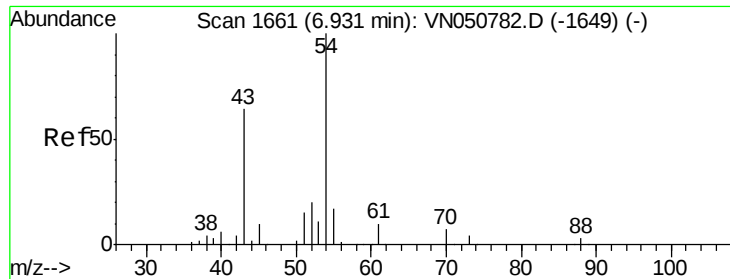
MMDadoda
8/31/2018 11:32:21 AM



#36
1,1-Dichloropropene
Concen: 50.38 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	18.1	54.4	
77	31.7	24.8	37.2	





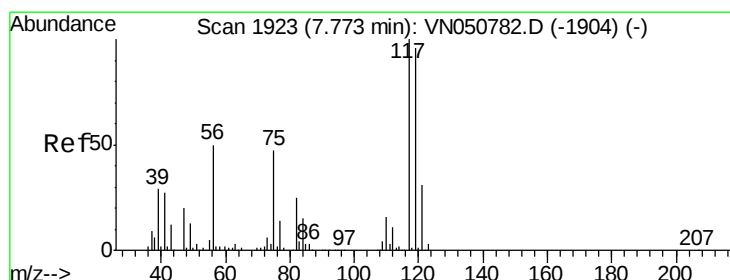
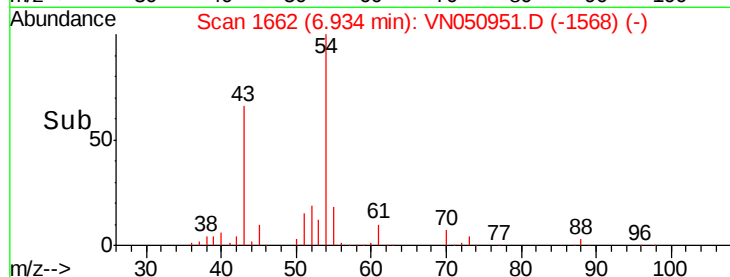
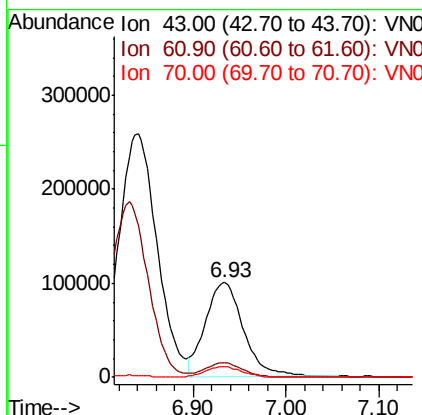
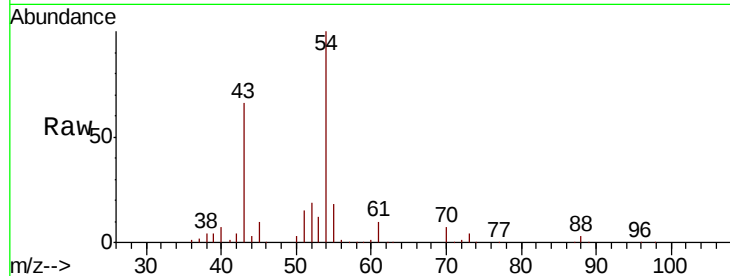
#37
Ethyl Acetate
Concen: 51.20 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.0	18.0
70	11.0	8.6	13.0

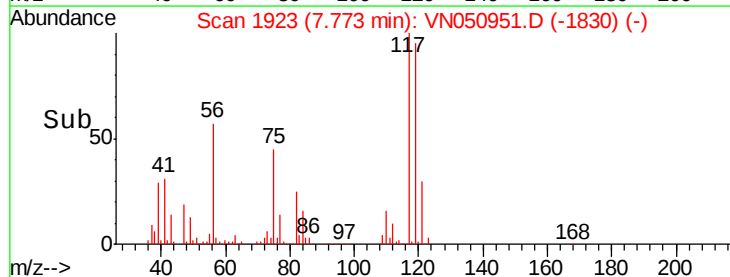
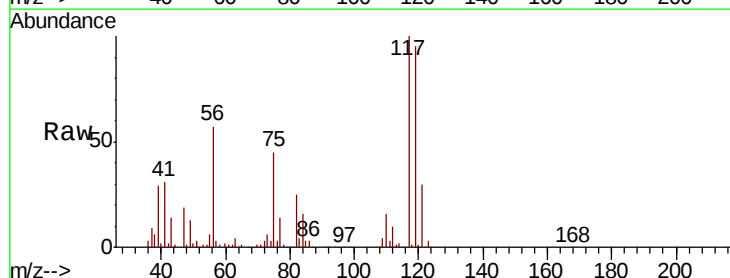
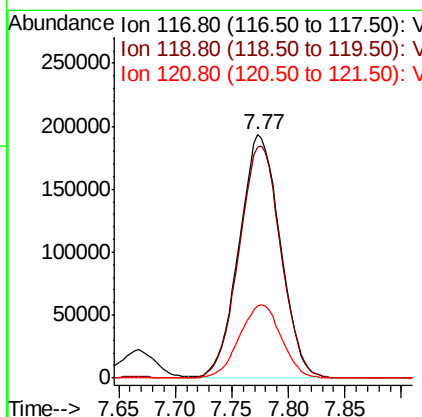
Manual Integrations
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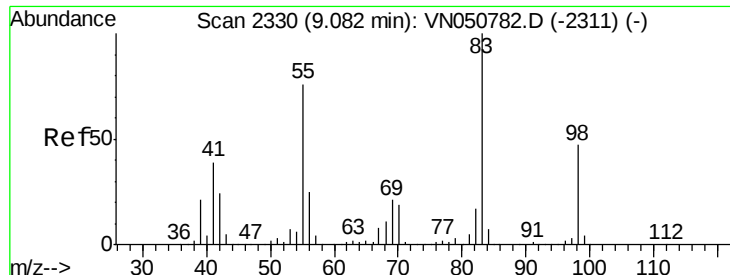
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.68 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.3	114.5
121	29.6	24.6	36.8





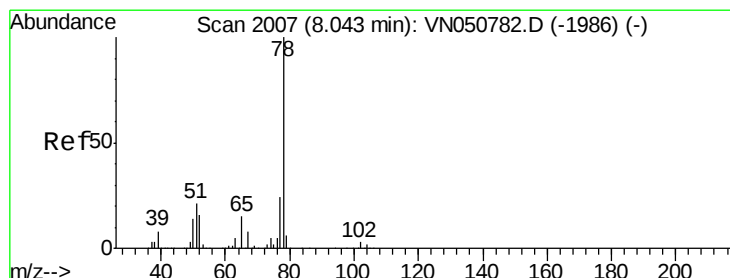
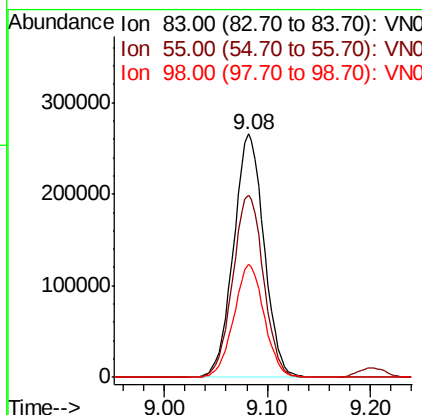
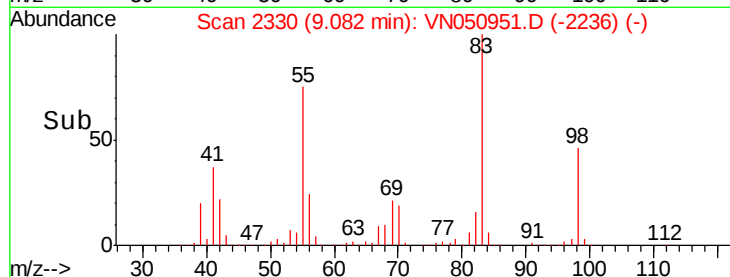
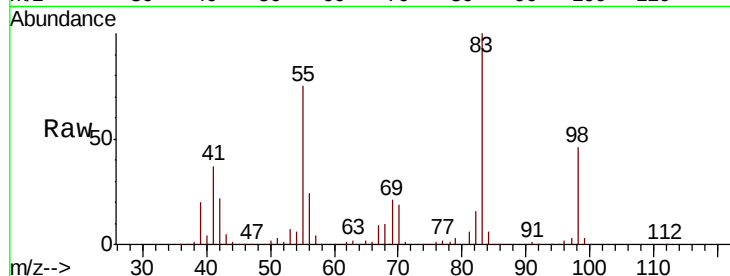
#39
Methvlcvclohexane
Concen: 51.95 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	61.0	91.4
98	46.3	37.5	56.3

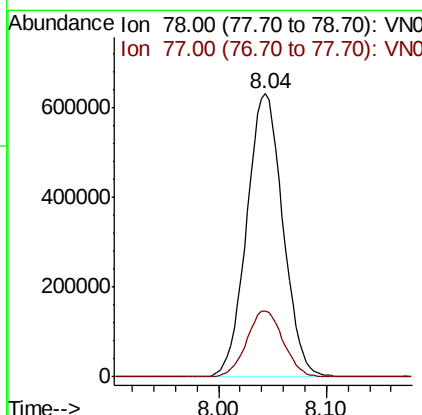
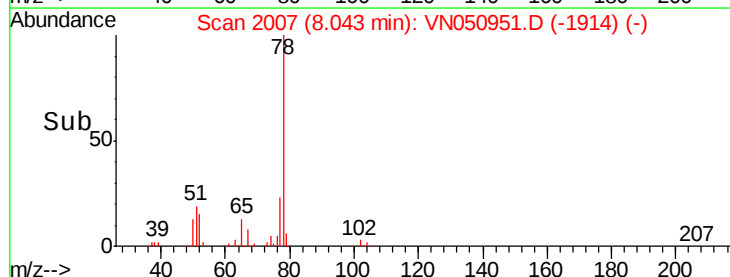
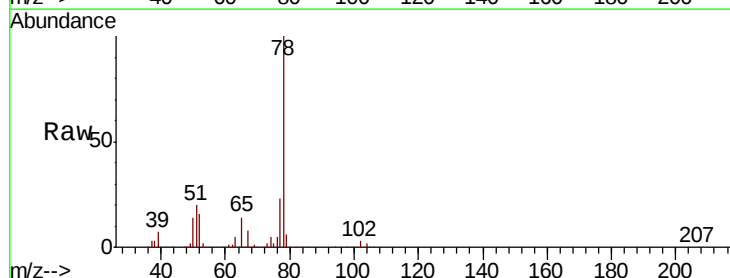
Manual Integrations
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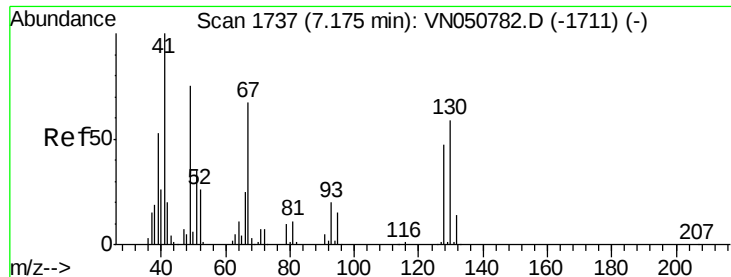
MMDadoda
8/31/2018 11:32:21 AM



#40
Benzene
Concen: 50.25 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





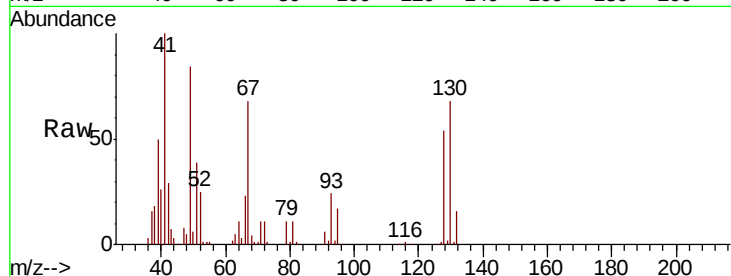
#41
Methacrylonitrile
Concen: 54.13 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

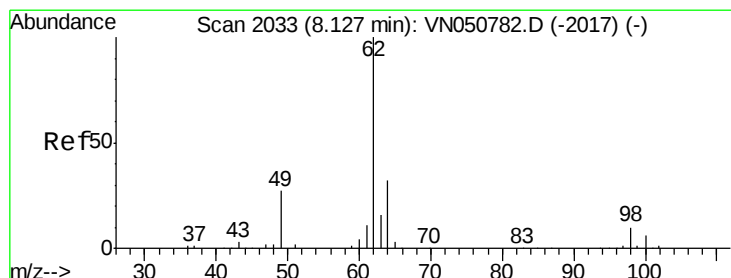
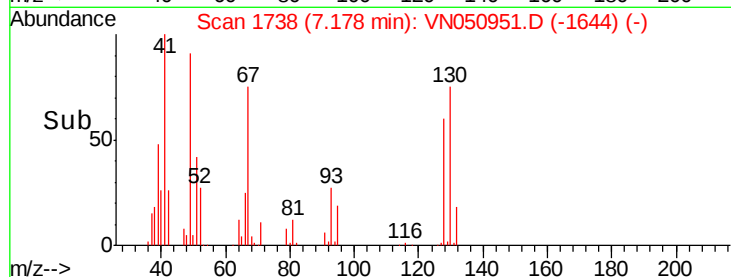
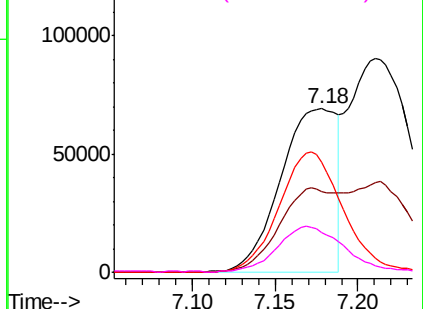
Tot Ion	Ratio	Lower	Upper
41	100		
39	47.5	45.4	68.0
67	84.2	70.6	106.0
52	32.7	27.1	40.7

Manual Integrations
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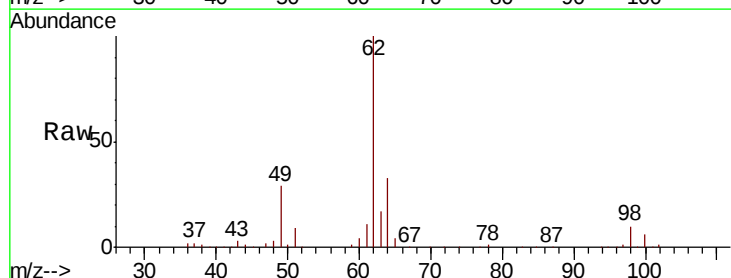


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

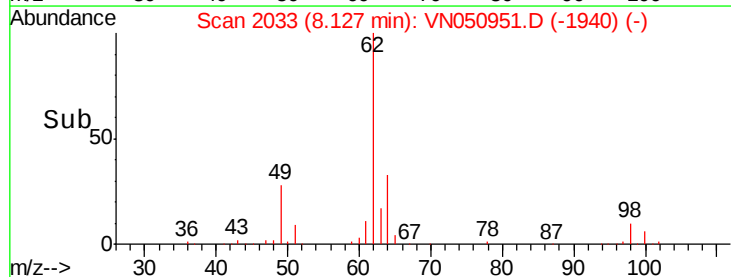
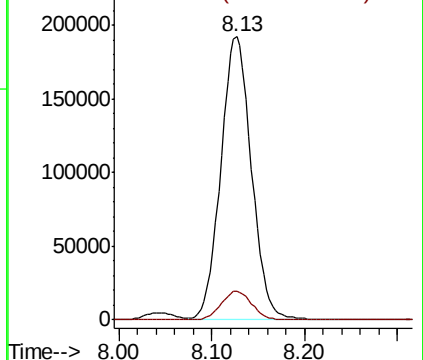


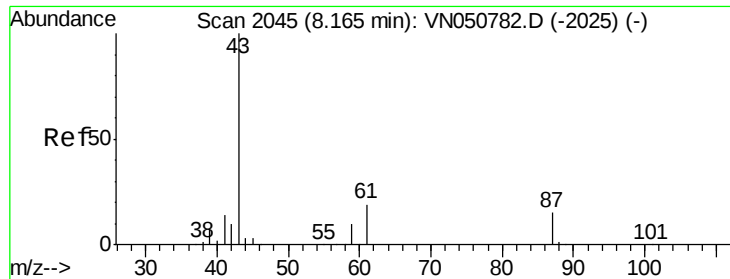
#42
1,2-Dichloroethane
Concen: 50.12 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.84 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

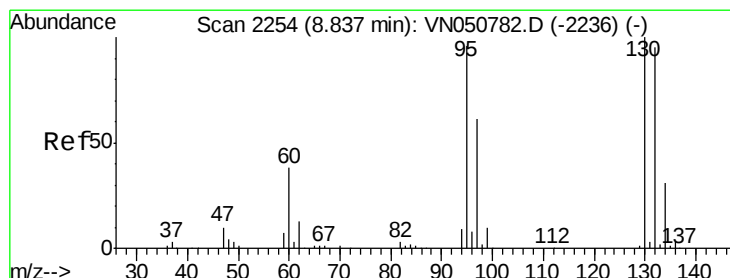
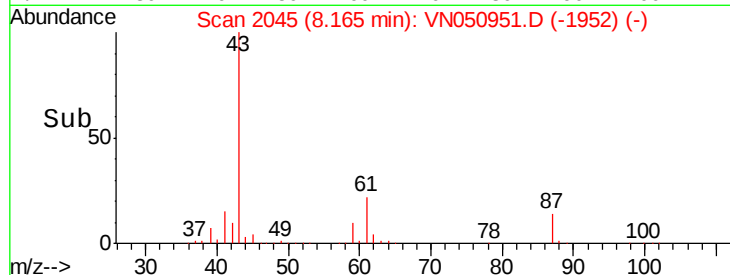
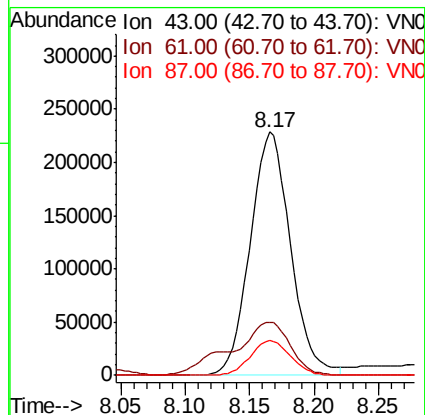
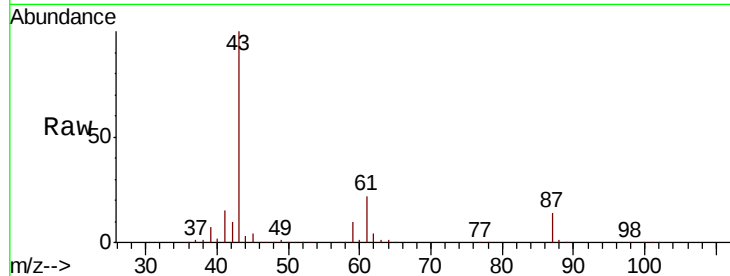
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	497593
Ion	Ratio	Lower	Upper
43	100		
61	31.3	17.5	26.3#
87	14.3	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 50.21 ug/l

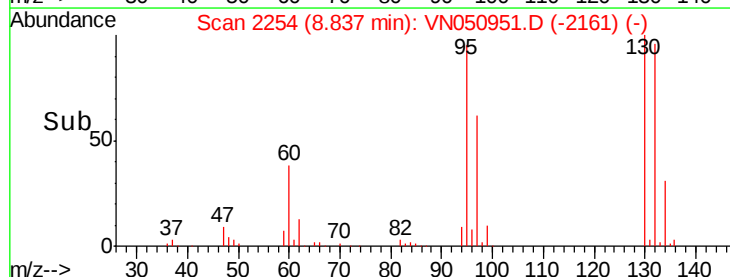
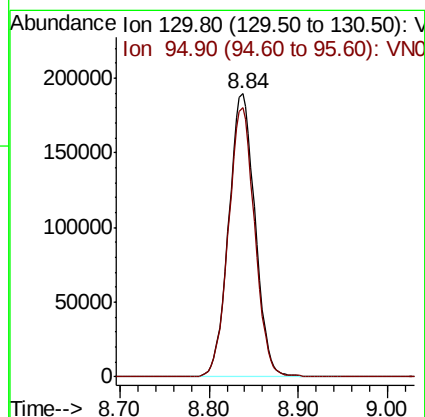
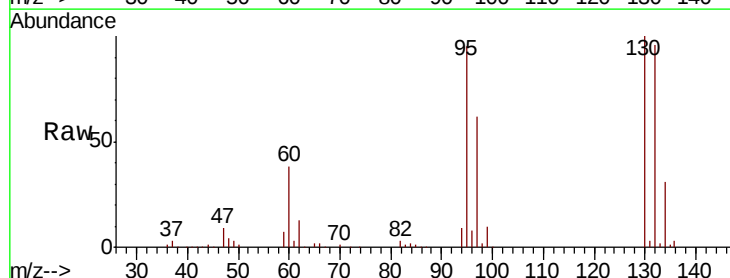
RT: 8.84 min Scan# 2254

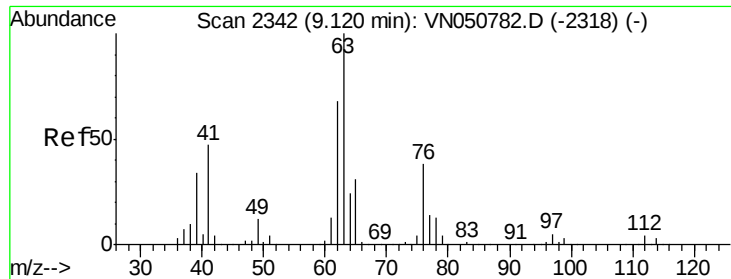
Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion:	130	Resp:	388110
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	193.0





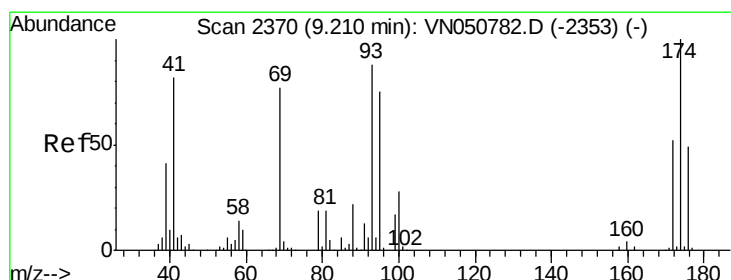
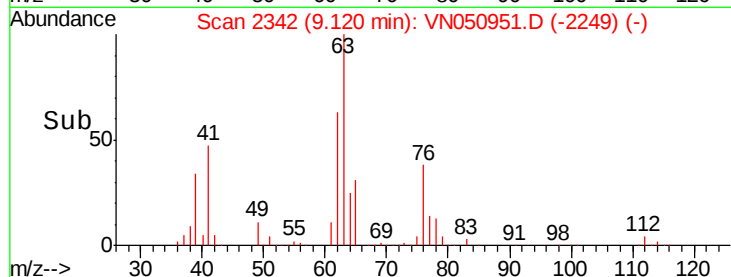
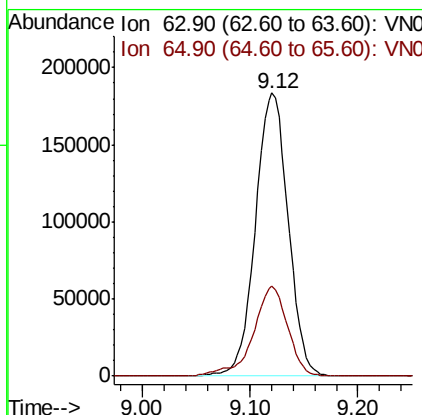
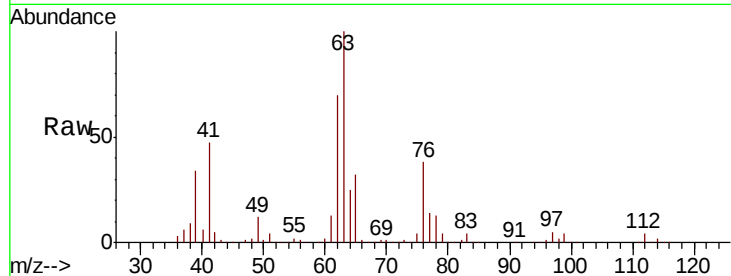
#45
 1,2-Dichloropropane
 Concen: 50.16 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 386373
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

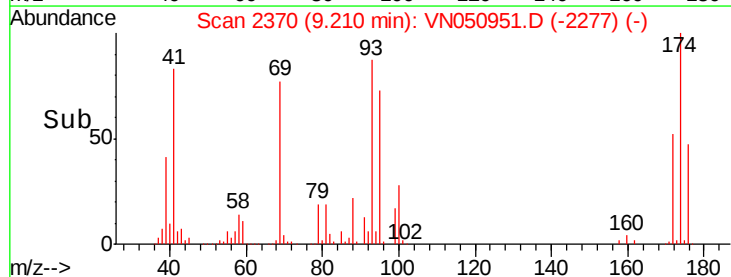
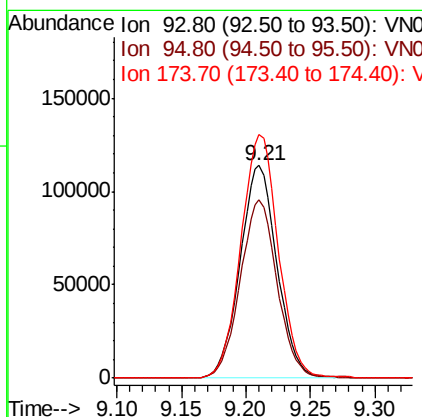
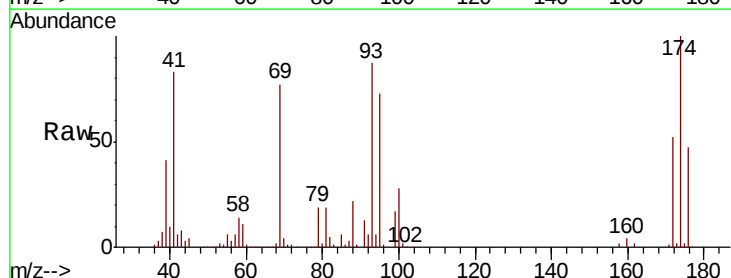
Manual Integrations
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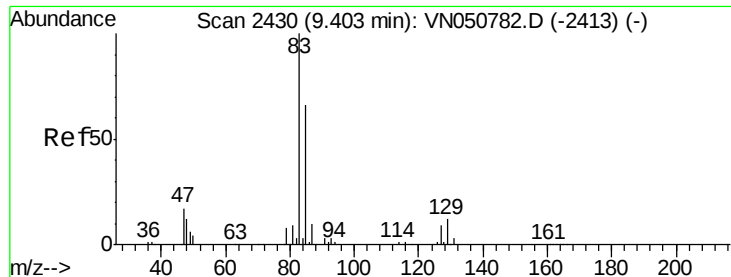
MMDadoda
 8/31/2018 11:32:21 AM



#46
 Dibromomethane
 Concen: 50.29 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion: 93 Resp: 227618
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.7 100.1
 174 116.1 89.8 134.6





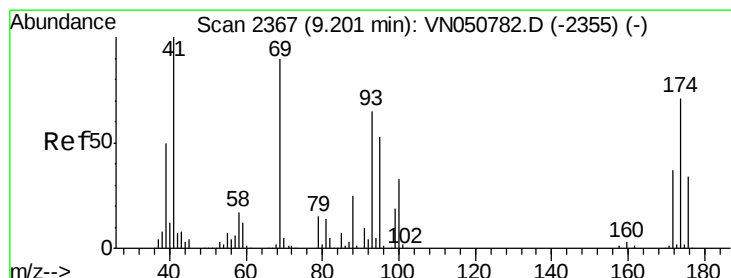
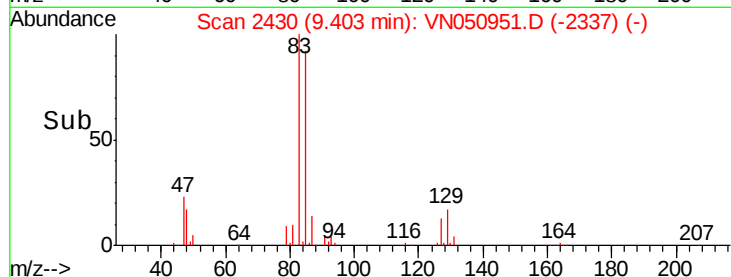
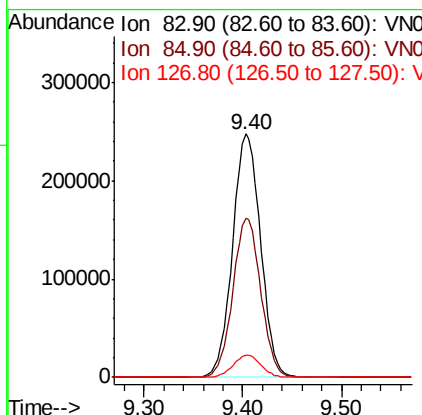
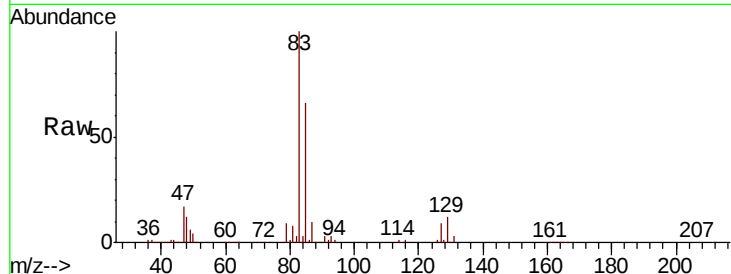
#47
Bromodichloromethane
Concen: 51.63 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	489416		
85	65.5	52.6	78.8	
127	9.1	7.2	10.8	

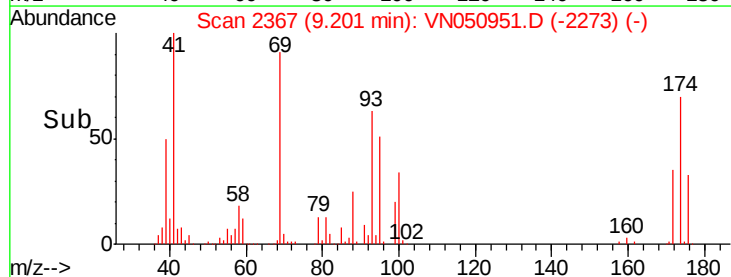
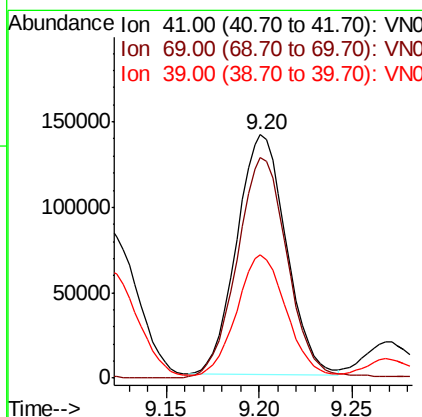
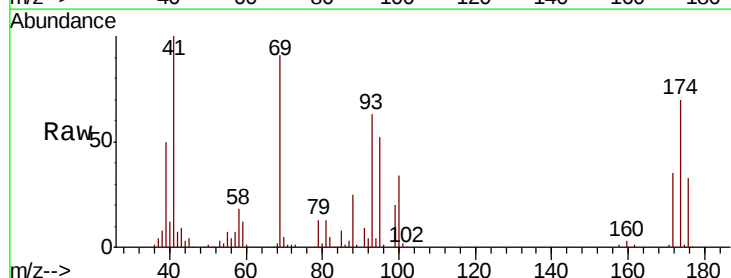
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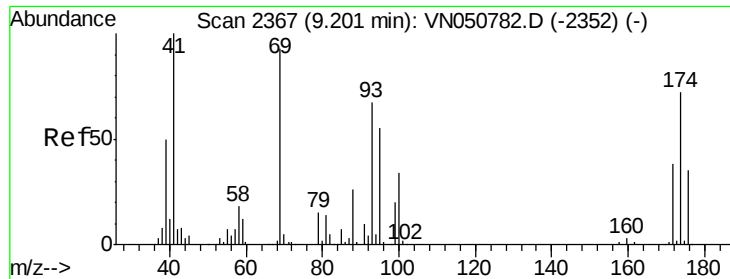
MMDadoda
8/31/2018 11:32:21 AM



#48
Methyl methacrylate
Concen: 53.12 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	259885		
69	94.8	74.7	112.1	
39	51.8	42.2	63.2	





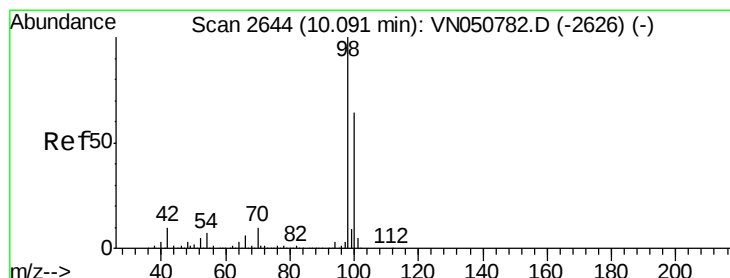
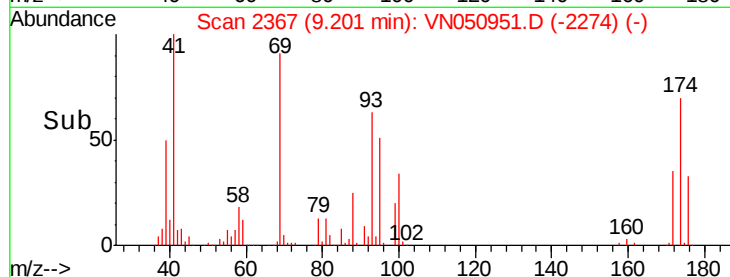
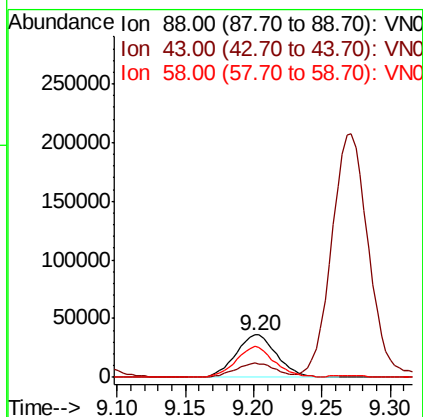
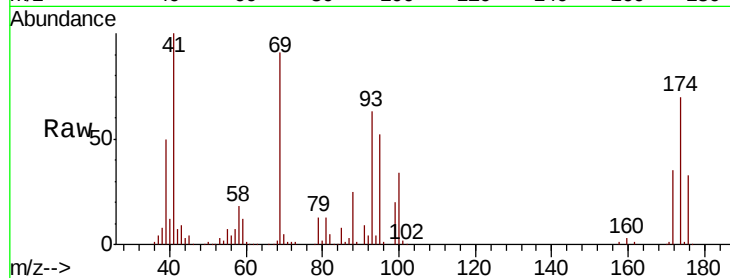
#49
1,4-Dioxane
Concen: 1130.47 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	75390
Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.9	38.9
58	68.4	55.0	82.4

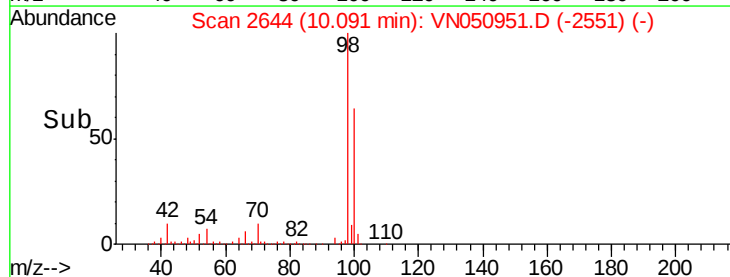
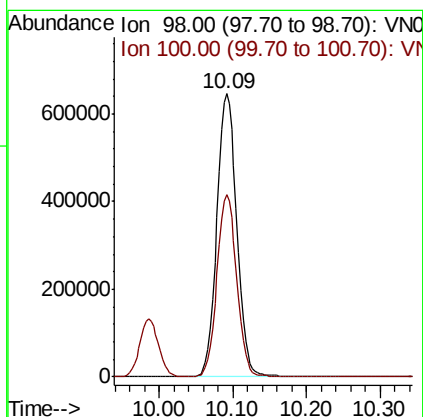
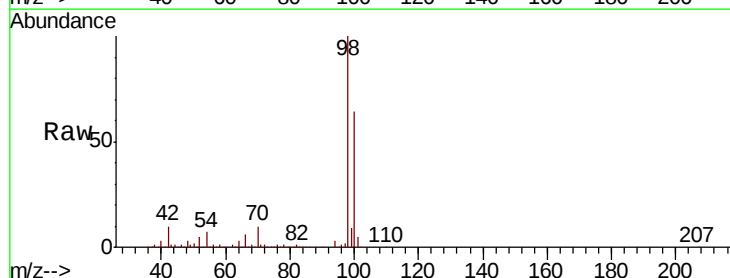
Manual Integrations
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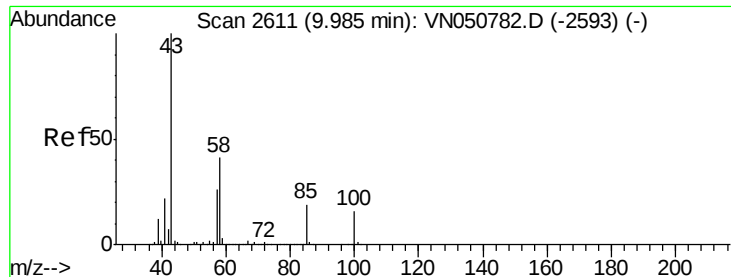
MMDadoda
8/31/2018 11:32:21 AM



#50
Toluene-d8
Concen: 49.27 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	98	Resp	1206901
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.5	77.3





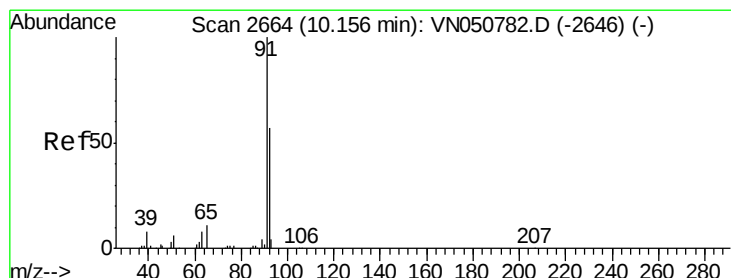
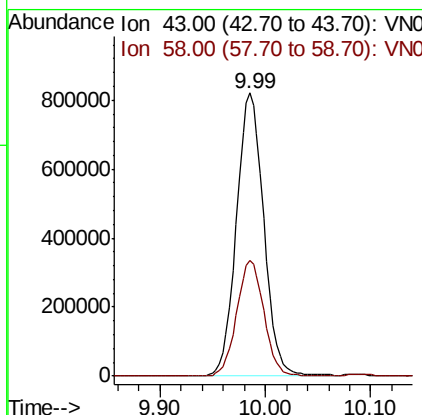
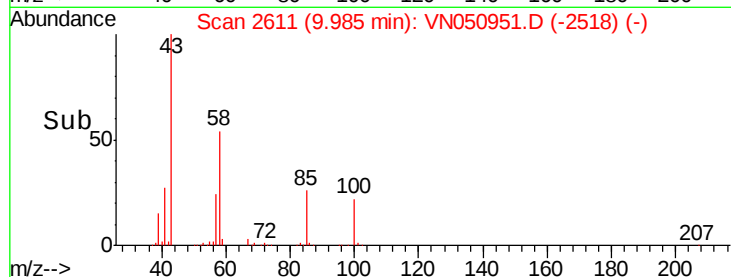
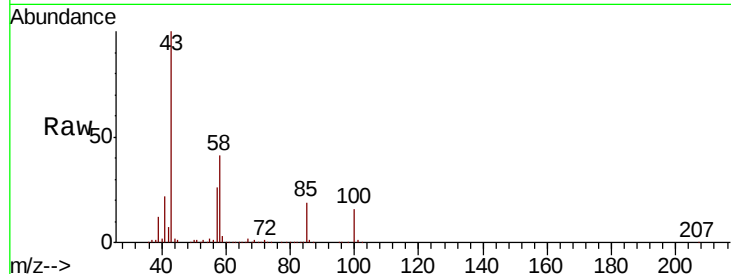
#51
4-Methyl-2-Pentanone
Concen: 256.50 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1469298
Ion Ratio Lower Upper
43 100
58 40.8 32.4 48.6

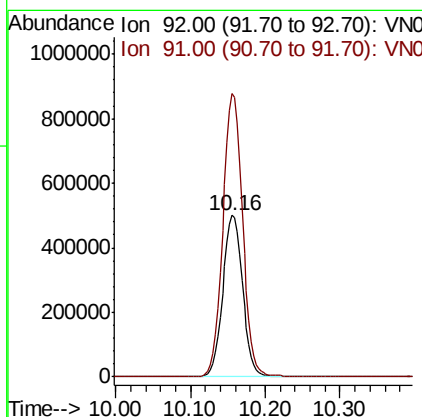
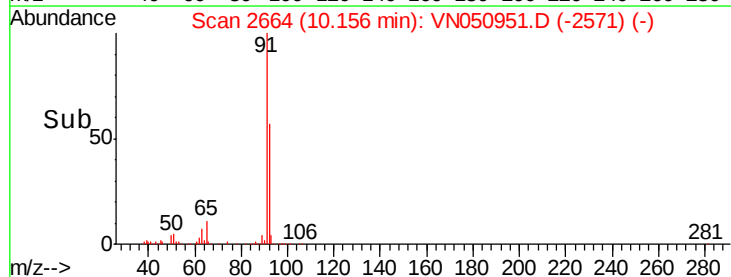
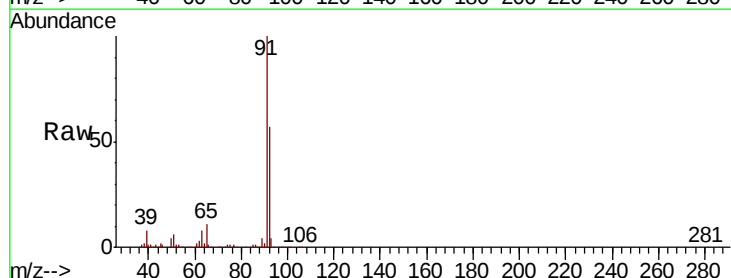
Manual Integrations
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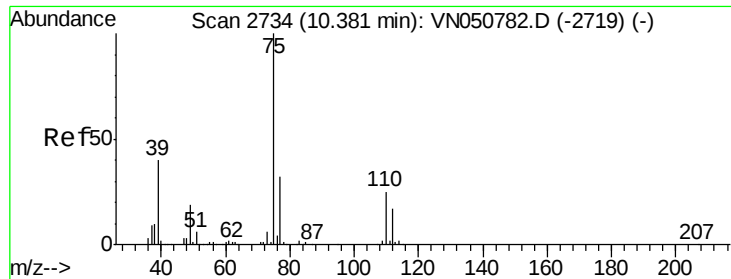
MMDadoda
8/31/2018 11:32:21 AM



#52
Toluene
Concen: 52.73 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 92 Resp: 915437
Ion Ratio Lower Upper
92 100
91 174.4 140.6 211.0





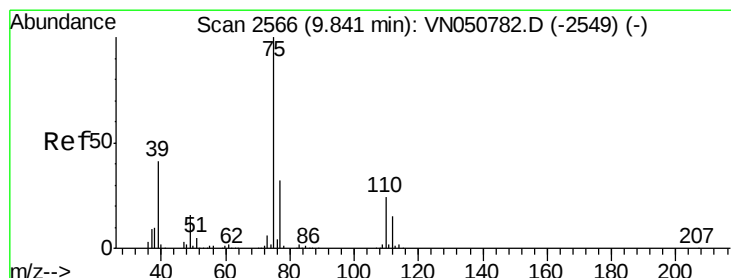
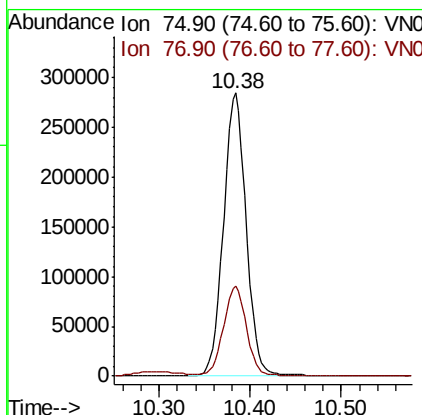
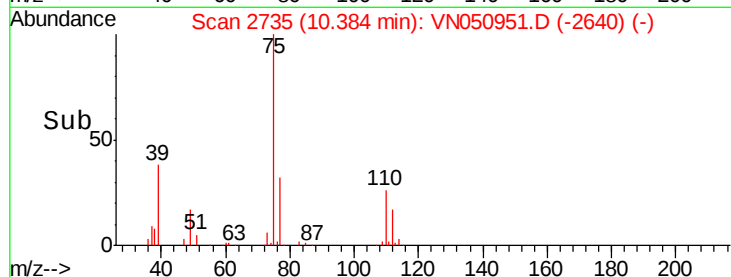
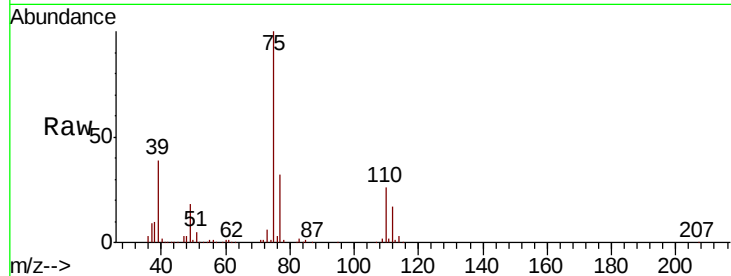
#53
t-1,3-Dichloropropene
Concen: 52.11 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 491659
Ion Ratio Lower Upper
75 100
77 31.7 25.7 38.5

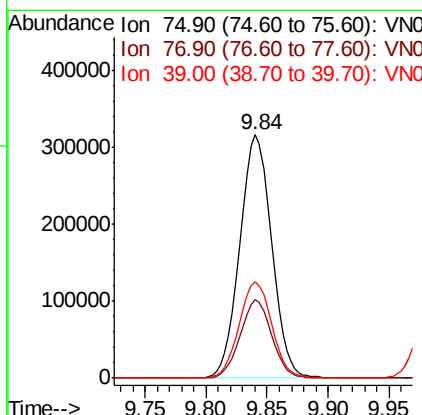
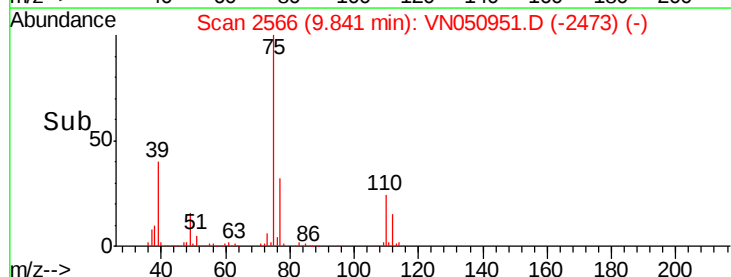
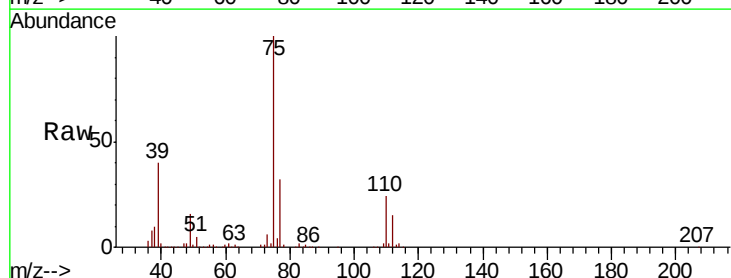
Manual Integrations
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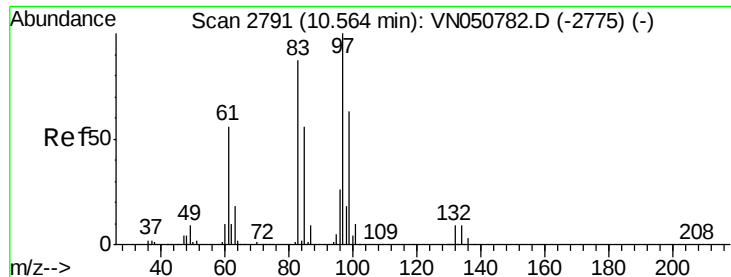
MMDadoda
8/31/2018 11:32:21 AM



#54
cis-1,3-Dichloropropene
Concen: 52.89 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 75 Resp: 571406
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 39.8 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 51.55 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

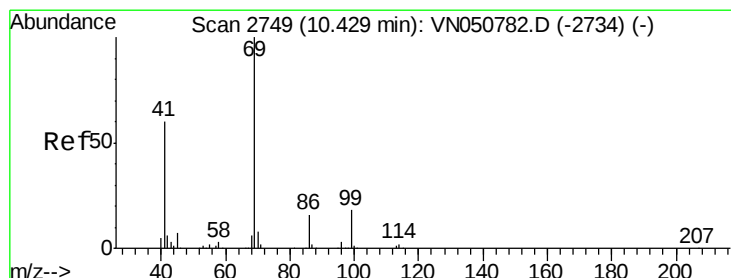
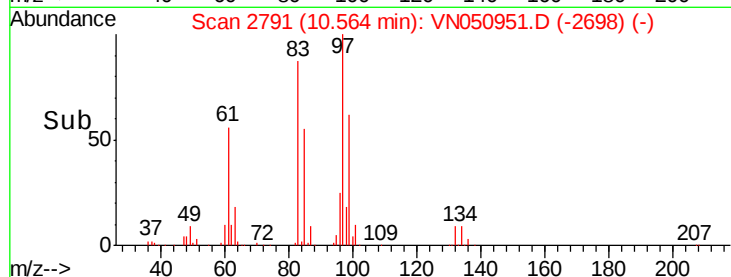
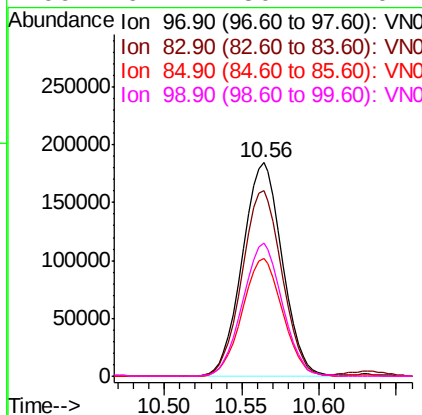
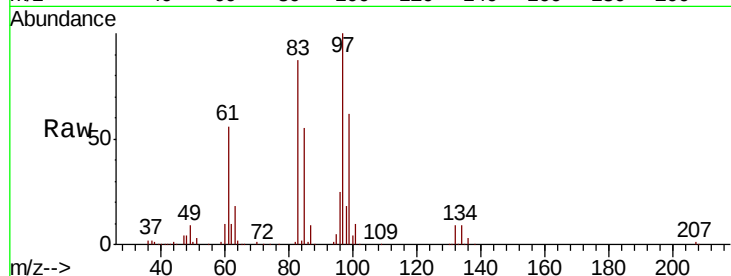
ClientSampled :

VSTDCCC050

Tot Ion:	97	Resp:	332202
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	55.4	44.5	66.7
99	62.2	50.7	76.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 48.17 ug/l

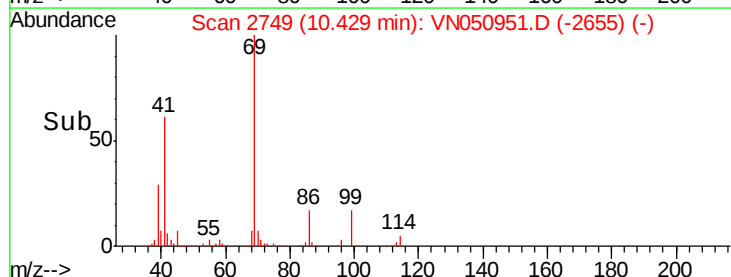
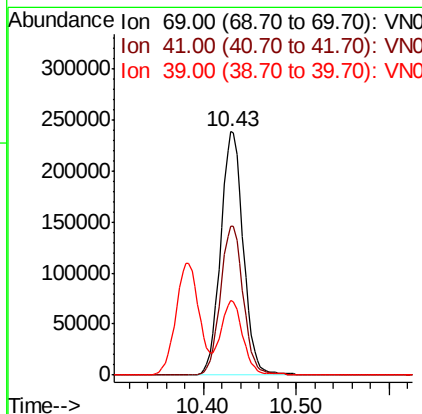
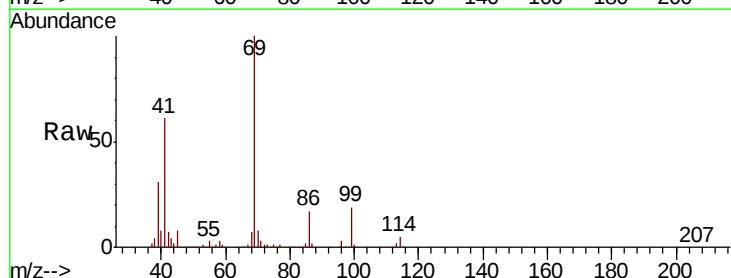
RT: 10.43 min Scan# 2749

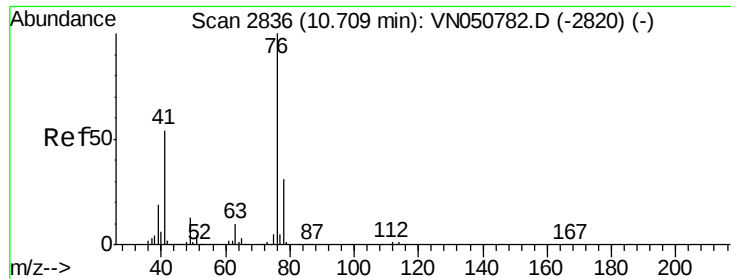
Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion:	69	Resp:	403048
Ion	Ratio	Lower	Upper
69	100		
41	61.8	48.3	72.5
39	29.7	24.0	36.0





#57

1,3-Dichloropropane

Concen: 51.85 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 551501

Ion Ratio Lower Upper

76 100

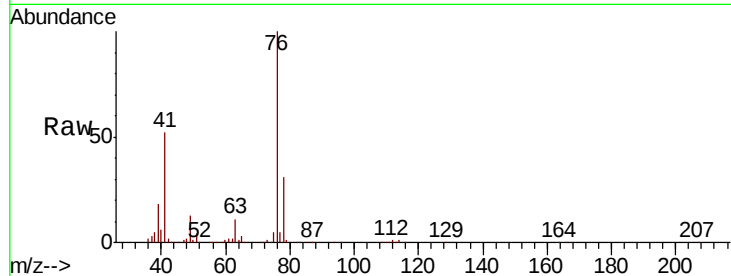
78 31.7 25.5 38.3

Manual Integrations

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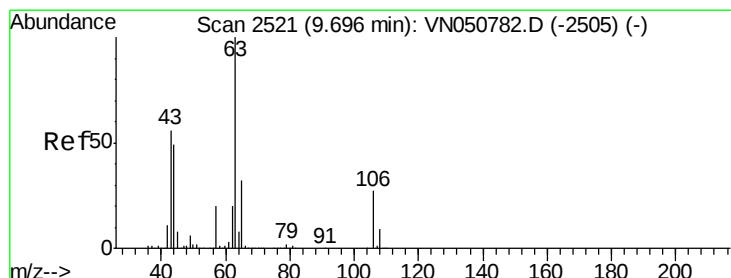
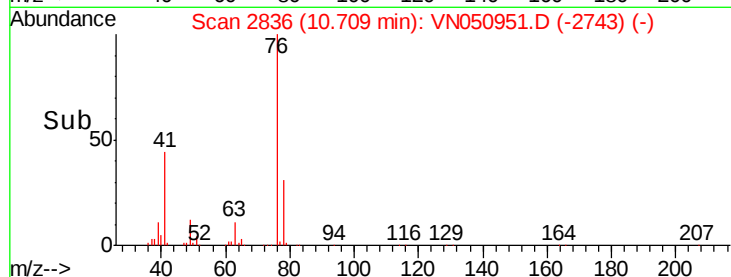
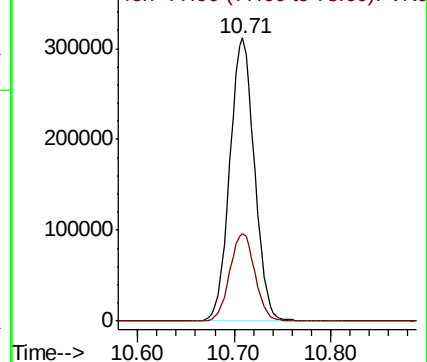
MMDadoda

8/31/2018 11:32:21 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 235.75 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050951.D

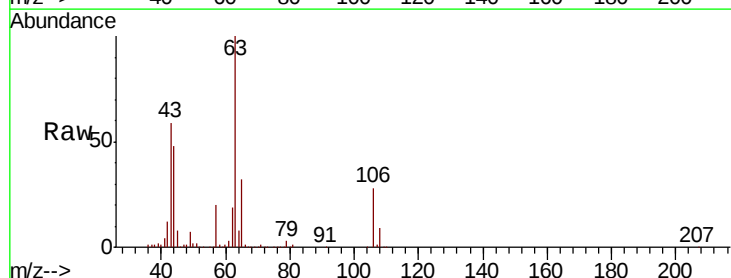
Acq: 30 Aug 2018 10:22

Tgt Ion: 63 Resp: 859640

Ion Ratio Lower Upper

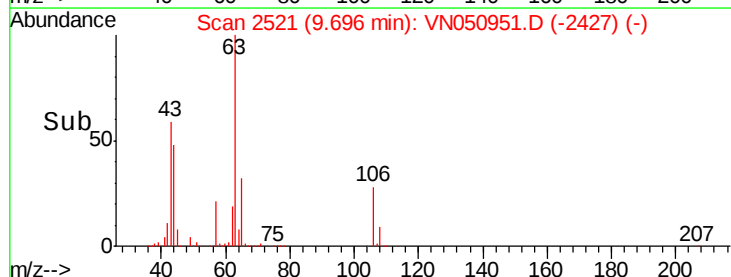
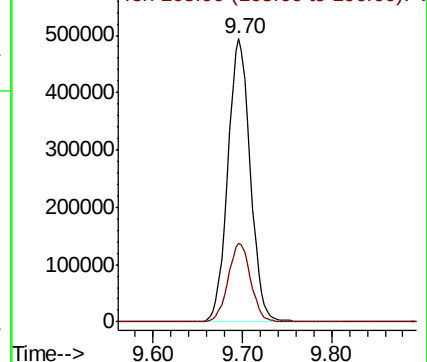
63 100

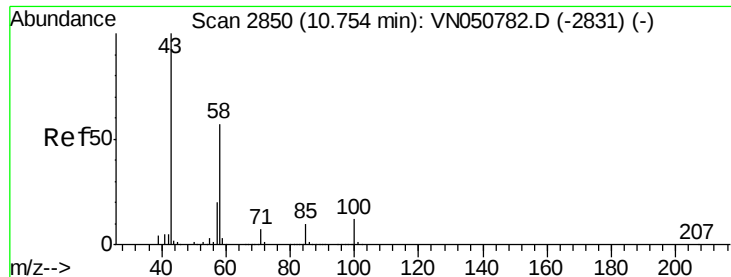
106 27.9 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





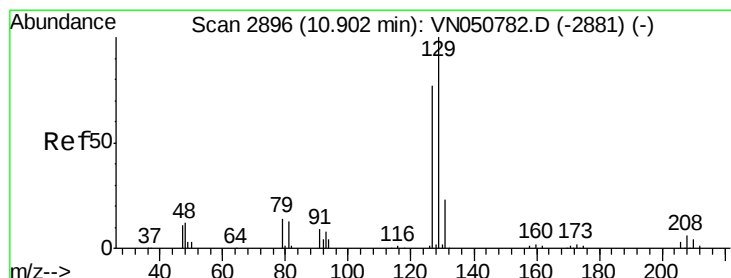
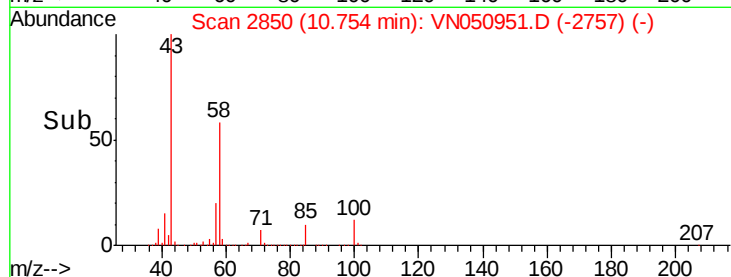
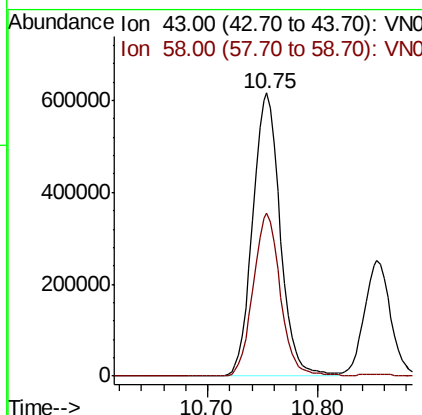
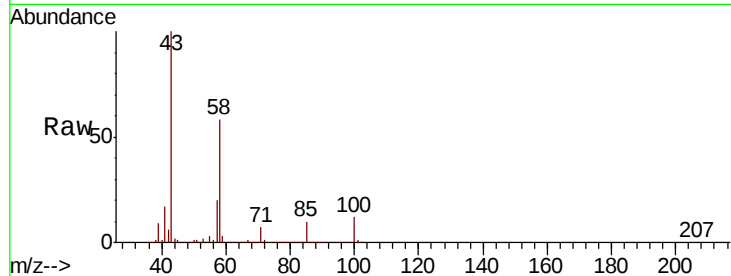
#59
2-Hexanone
Concen: 279.04 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1064093
Ion Ratio Lower Upper
43 100
58 57.0 28.3 85.0

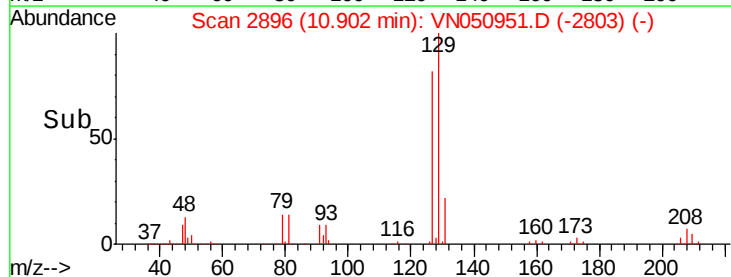
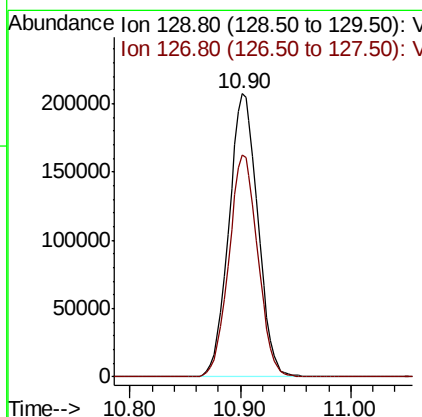
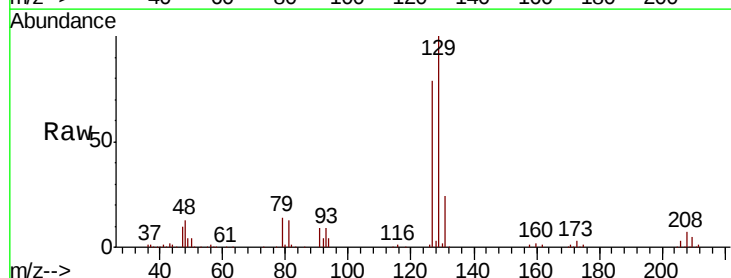
Manual Integrations
APPROVED

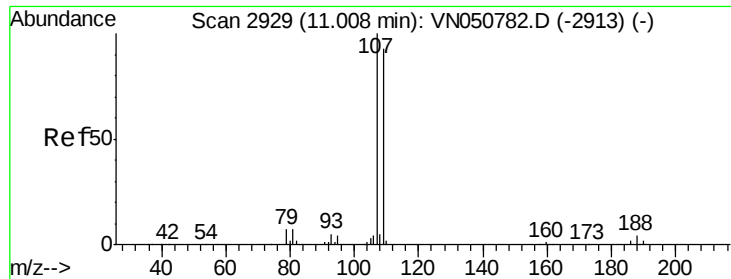
MMDadoda
8/31/2018 11:32:21 AM



#60
Dibromochloromethane
Concen: 52.23 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 129 Resp: 376837
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 52.10 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 324643

Ion Ratio Lower Upper

107 100

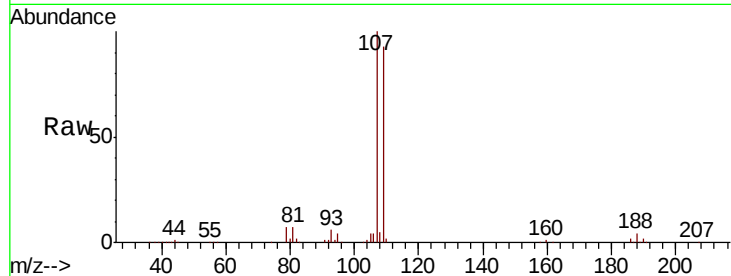
109 94.8 75.4 113.2

Manual Integrations

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MMDadoda

8/31/2018 11:32:21 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

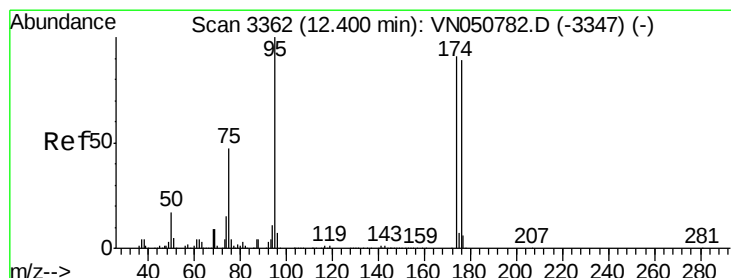
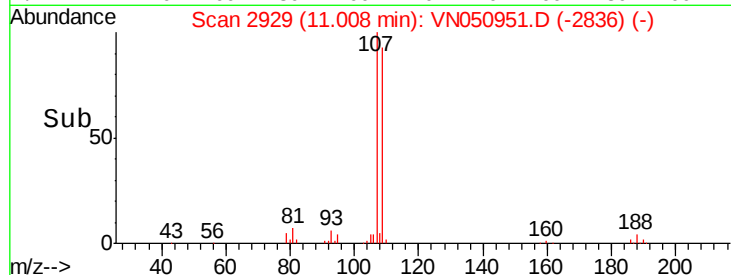
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.19 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

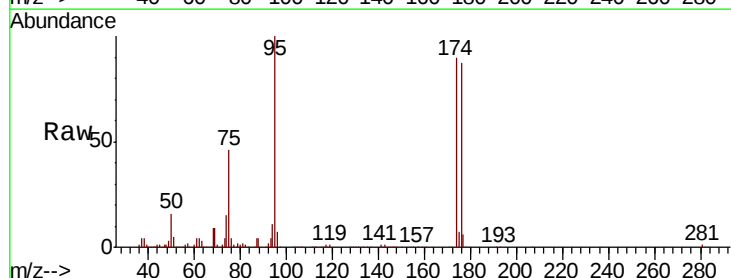
Tgt Ion: 95 Resp: 408601

Ion Ratio Lower Upper

95 100

174 92.3 0.0 183.0

176 88.7 0.0 178.8



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

300000

250000

200000

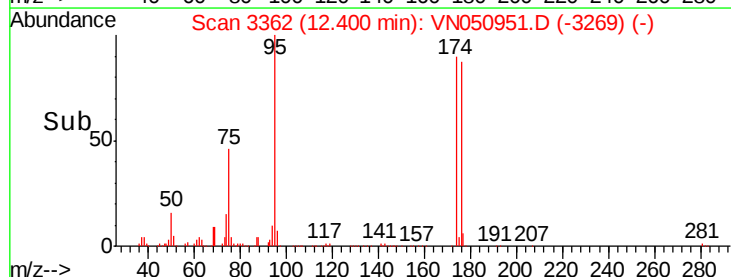
150000

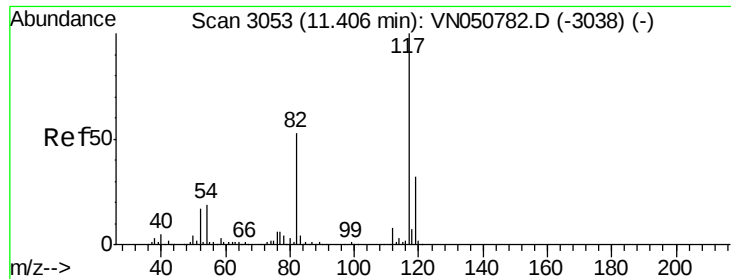
100000

50000

0

Time-->





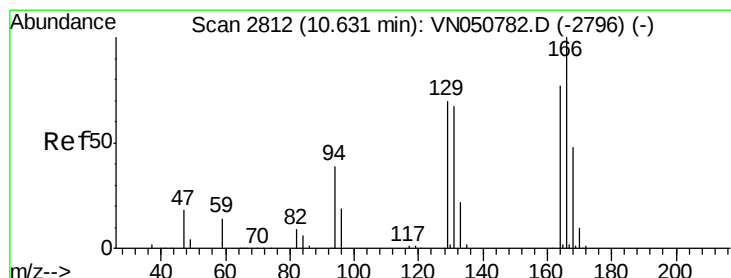
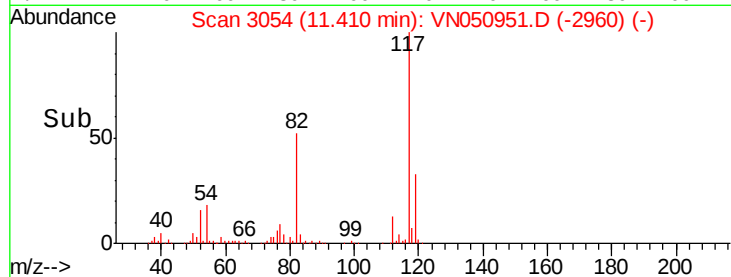
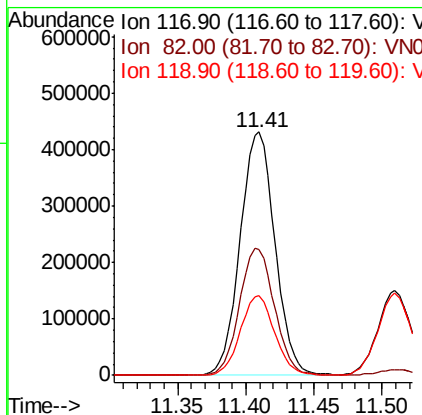
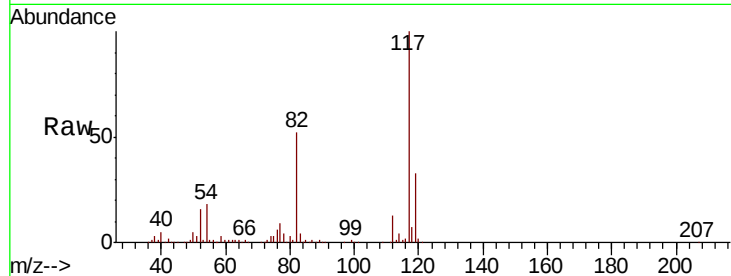
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	765781		
82	51.7	42.6	64.0	
119	32.5	25.8	38.6	

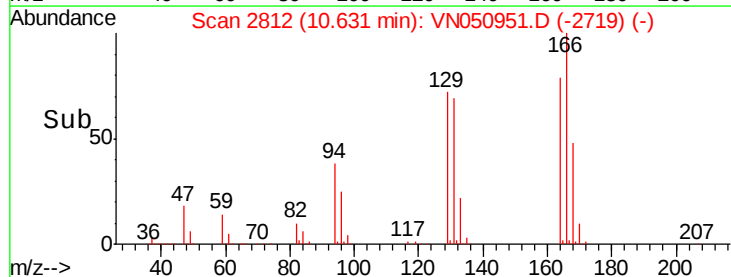
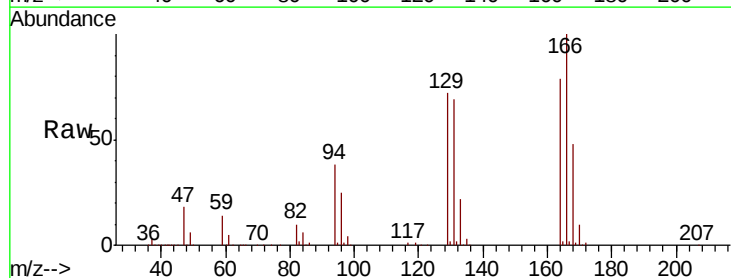
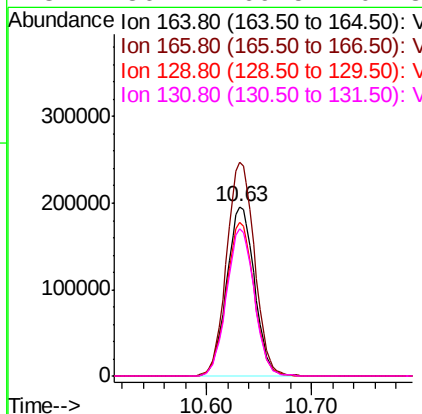
Manual Integrations
APPROVED

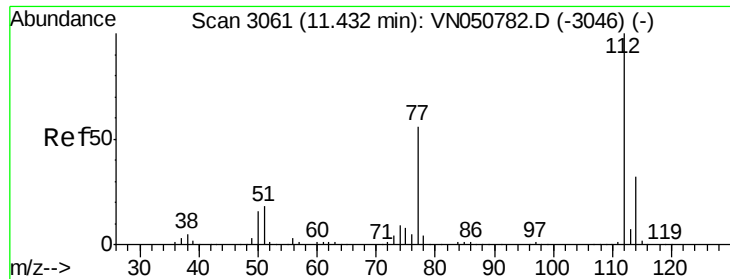
MMDadoda
8/31/2018 11:32:21 AM



#64
Tetrachloroethene
Concen: 48.93 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	355869		
166	126.3	103.5	155.3	
129	91.1	72.7	109.1	
131	86.7	69.5	104.3	





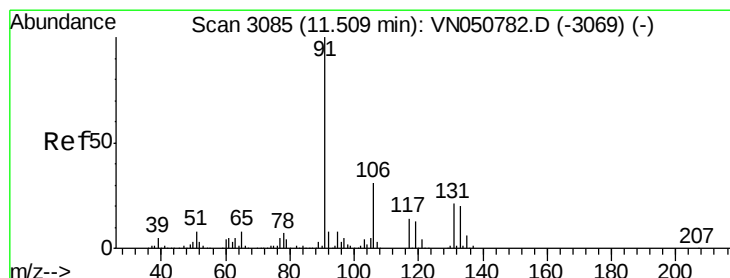
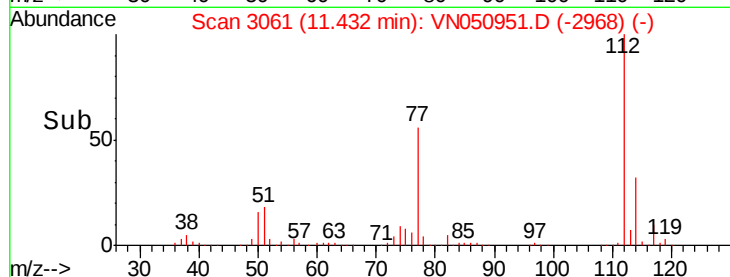
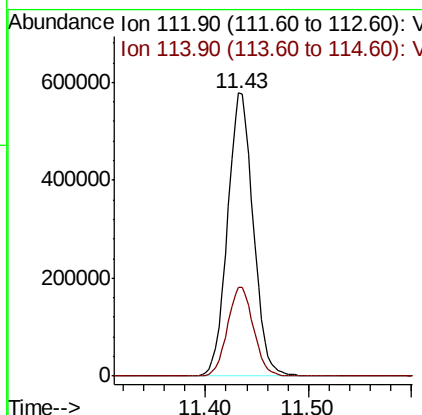
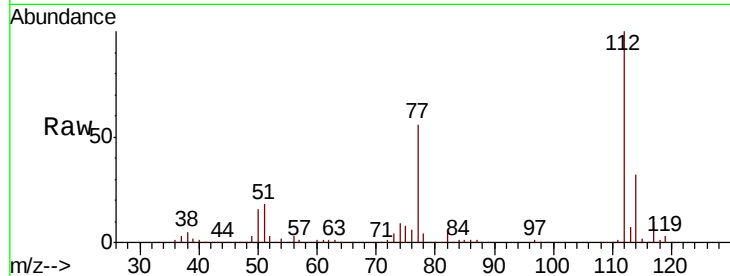
#65
Chlorobenzene
Concen: 50.11 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1002975
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4

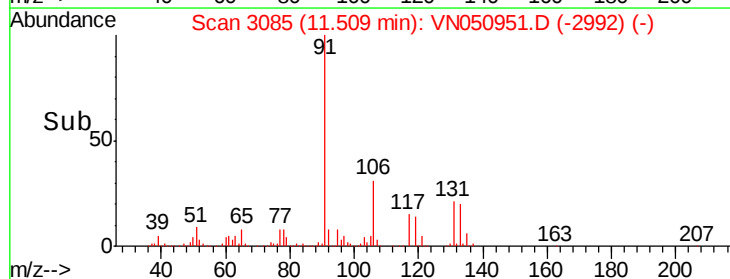
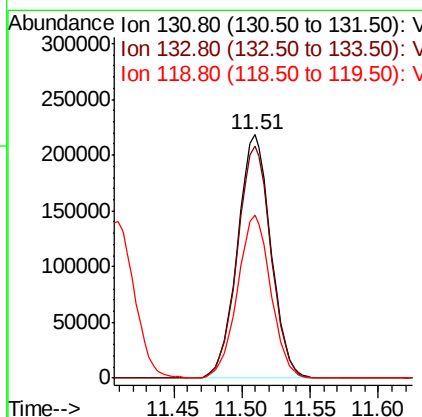
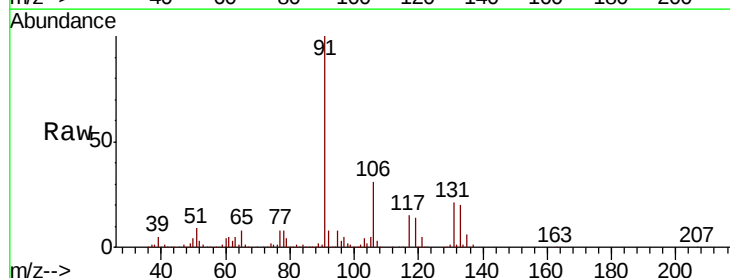
Manual Integrations
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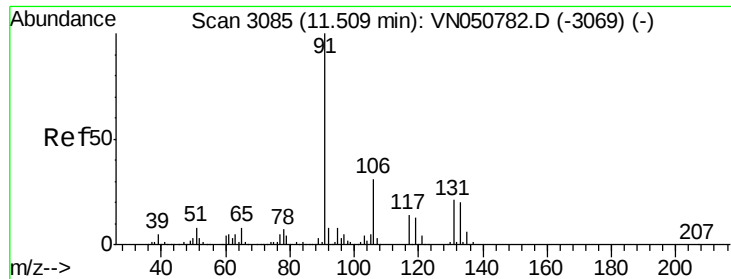
MMDadoda
8/31/2018 11:32:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.62 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion:131 Resp: 370733
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 66.8 32.8 98.4





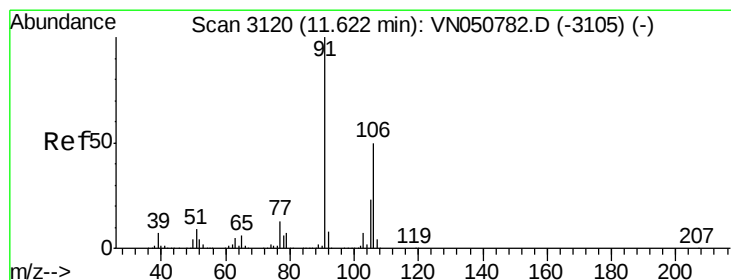
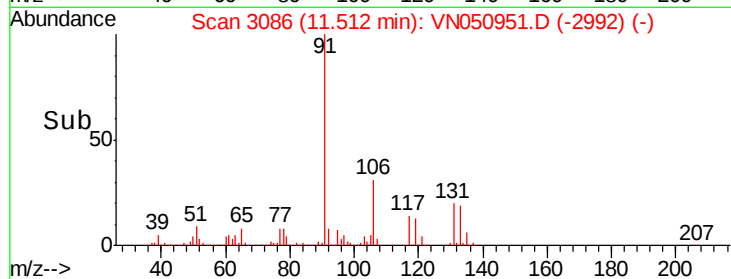
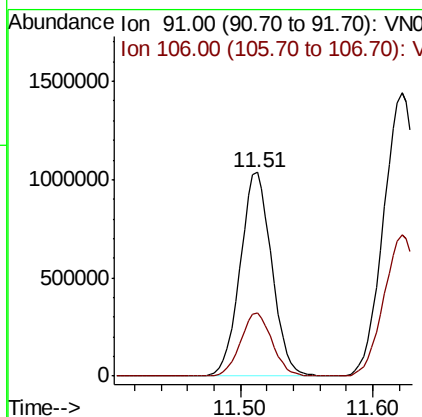
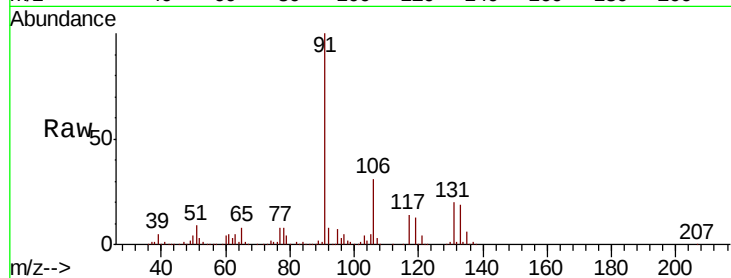
#67
Ethyl Benzene
Concen: 52.50 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1708330
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

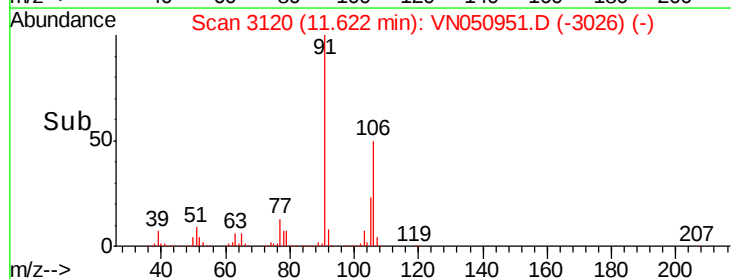
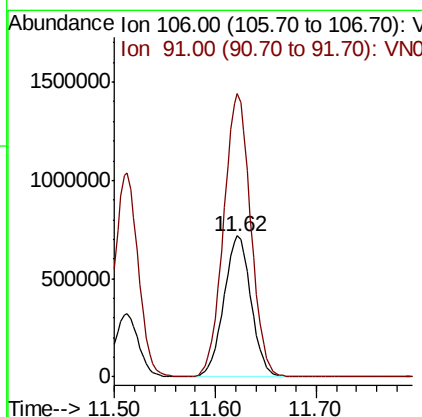
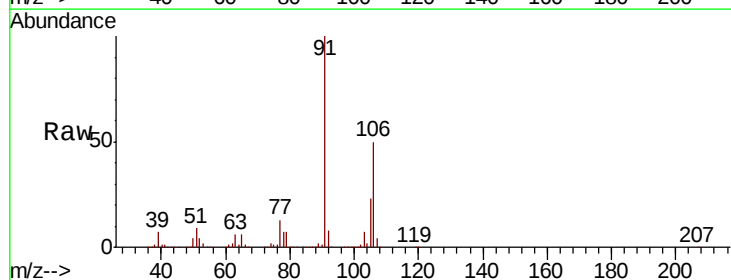
Manual Integrations
APPROVED

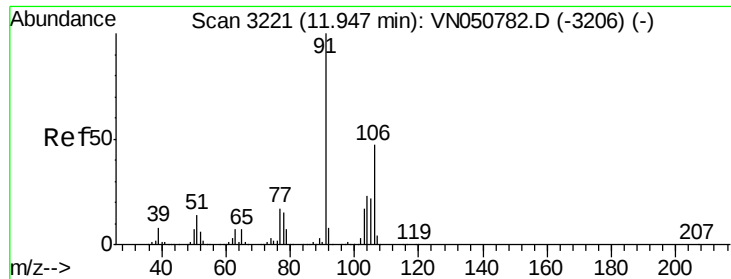
MMDadoda
8/31/2018 11:32:21 AM



#68
m/p-Xylenes
Concen: 108.92 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 106 Resp: 1345286
Ion Ratio Lower Upper
106 100
91 200.7 161.0 241.6





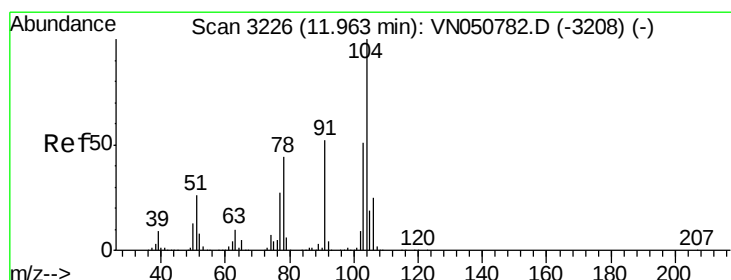
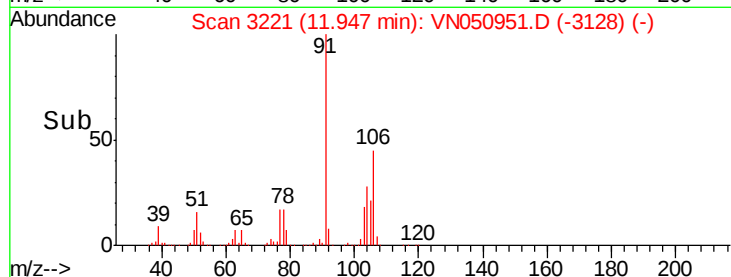
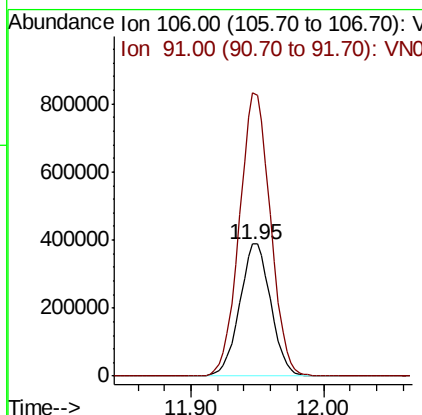
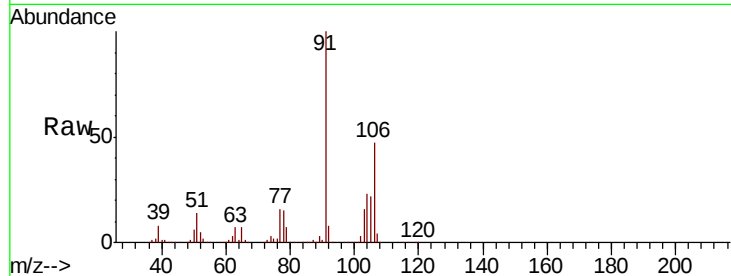
#69
o-Xylene
Concen: 53.37 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.3	106.5	319.5

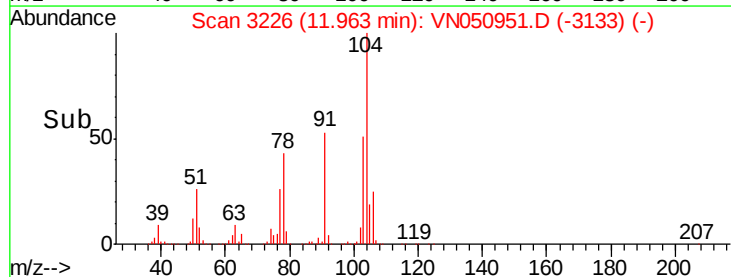
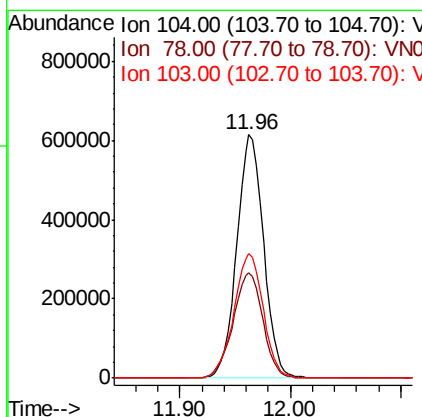
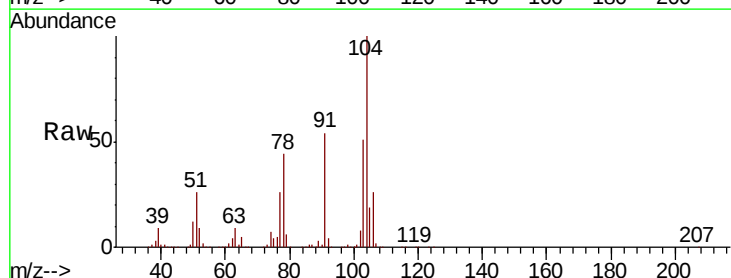
Manual Integrations
APPROVED

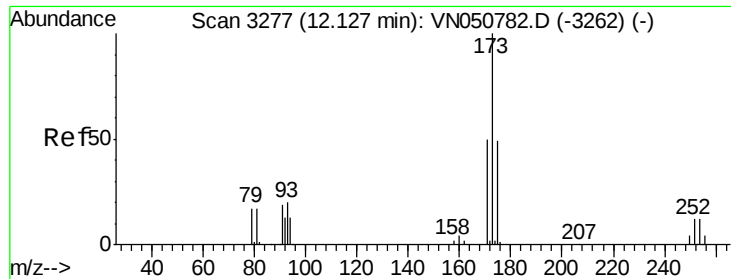
MMDadoda
8/31/2018 11:32:21 AM



#70
Styrene
Concen: 49.58 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.2	57.4
103	55.8	44.4	66.6





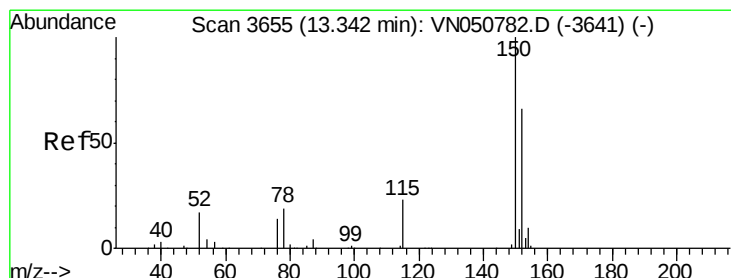
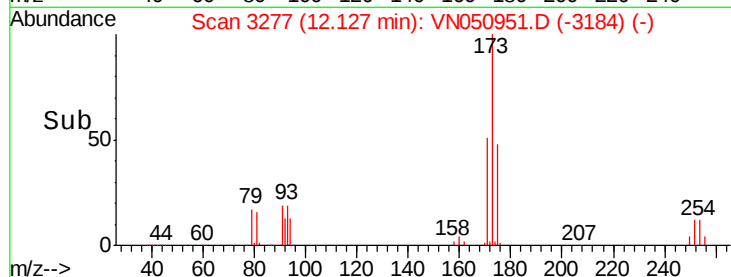
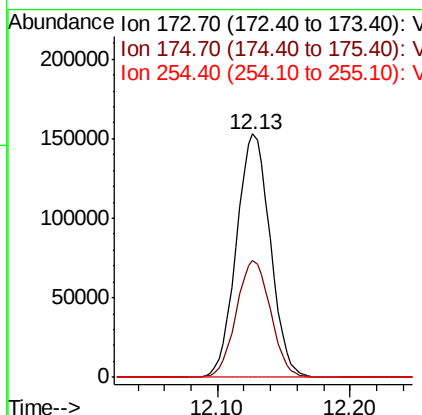
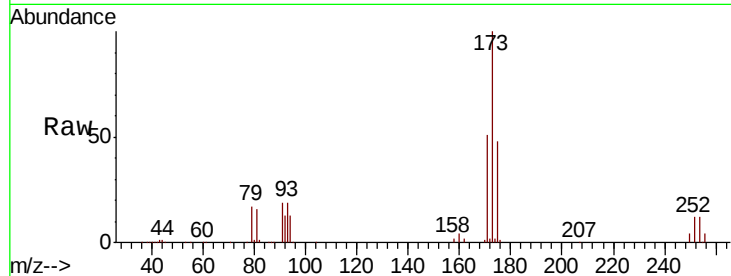
#71
Bromoform
Concen: 53.78 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.1	0.1	0.1

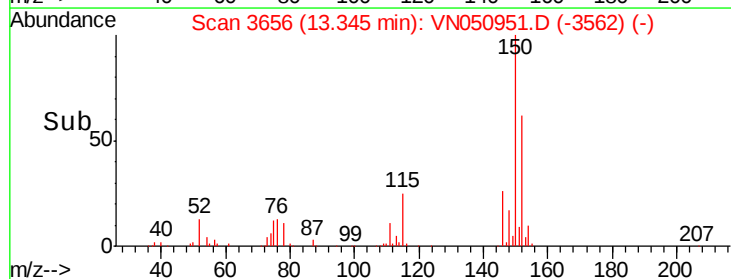
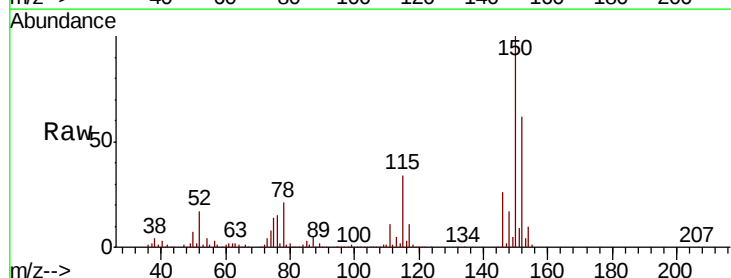
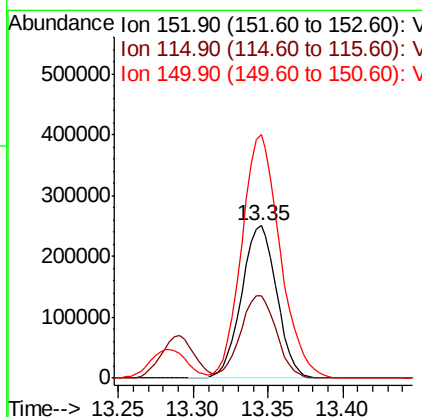
Manual Integrations
APPROVED

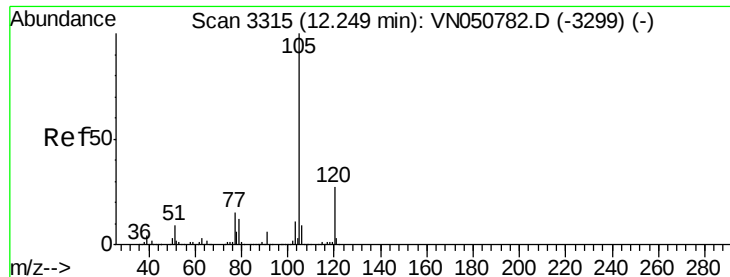
MMDadoda
8/31/2018 11:32:21 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.4
150	175.0	0.0	351.4





#73

Isopropylbenzene

Concen: 50.49 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1710165

Ion Ratio Lower Upper

105 100

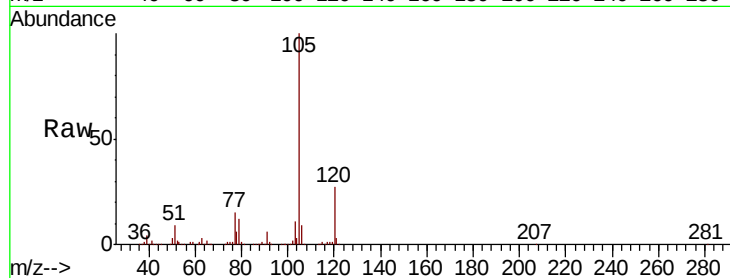
120 26.8 13.5 40.4

Manual Integrations

APPROVED

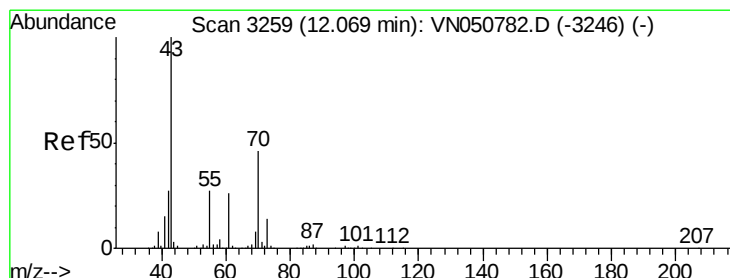
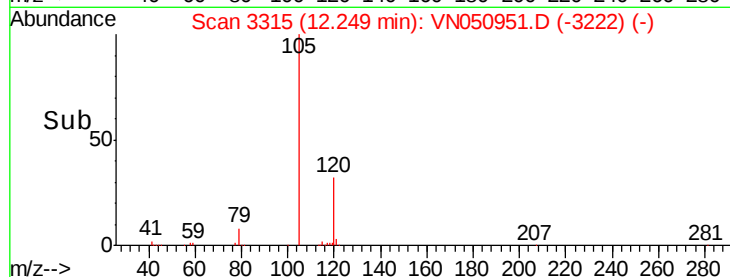
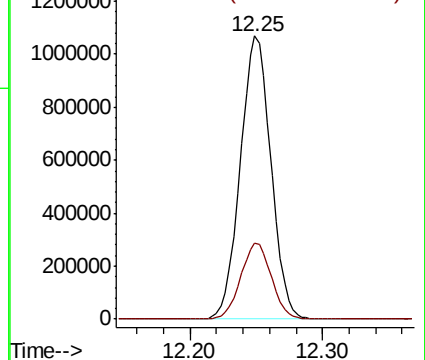
MMDadoda

8/31/2018 11:32:21 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.64 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion: 43 Resp: 422501

Ion Ratio Lower Upper

43 100

70 45.7 36.2 54.2

55 27.0 21.8 32.8

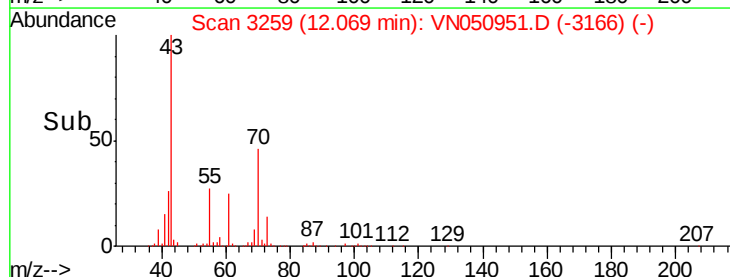
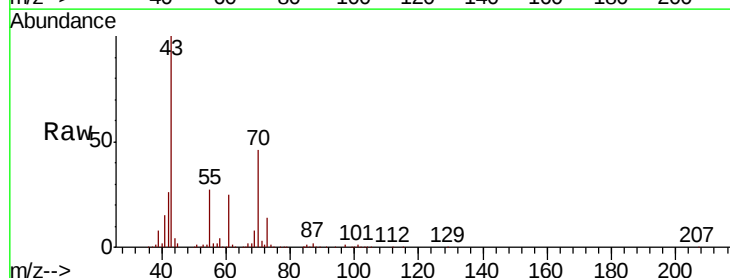
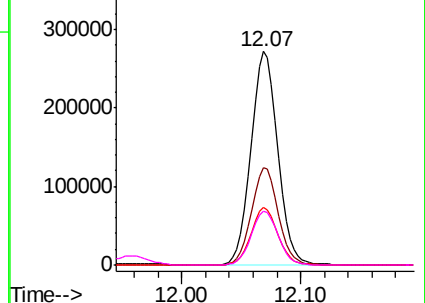
61 25.4 20.5 30.7

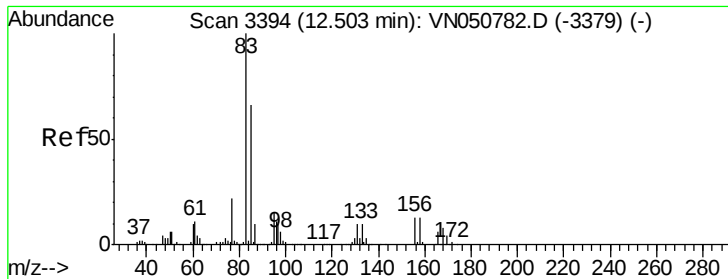
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 52.09 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 420123
Ion Ratio Lower Upper

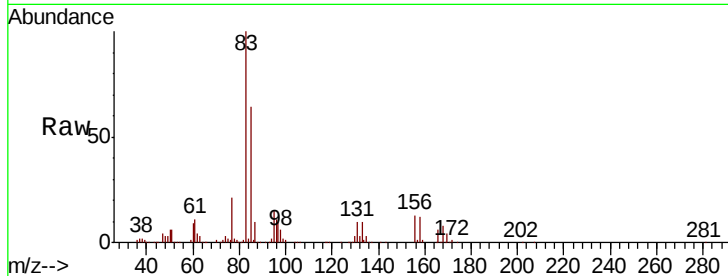
83 100

131 10.7 5.3 15.9

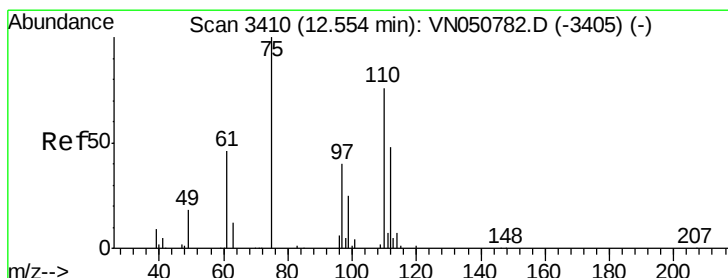
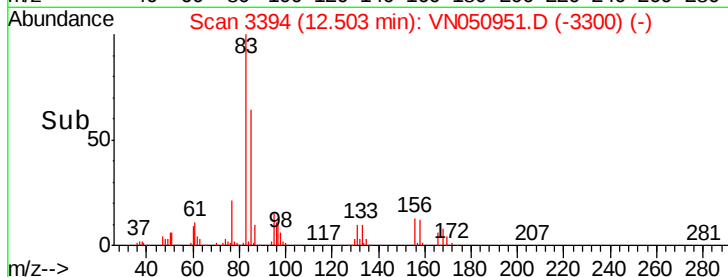
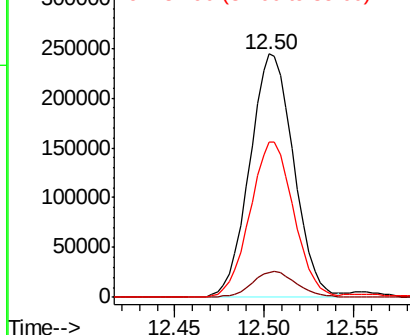
85 63.5 31.9 95.7

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 46.63 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

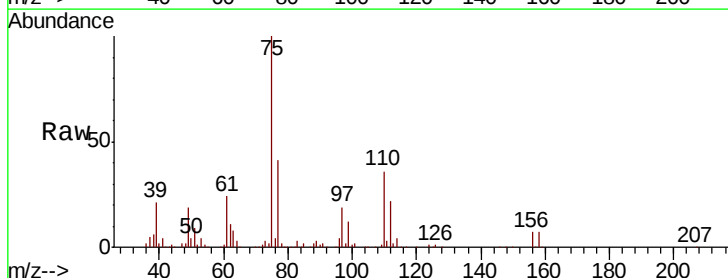
Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

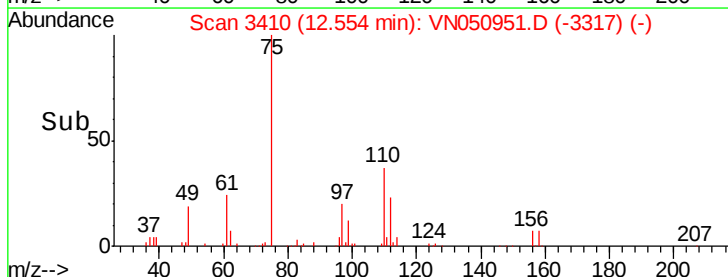
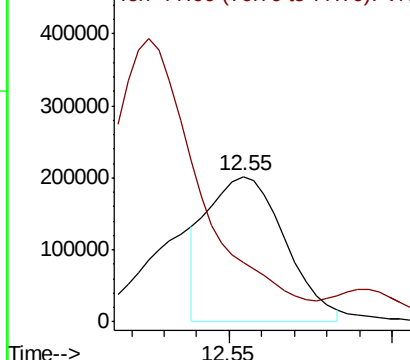
Tgt Ion: 75 Resp: 334074
Ion Ratio Lower Upper

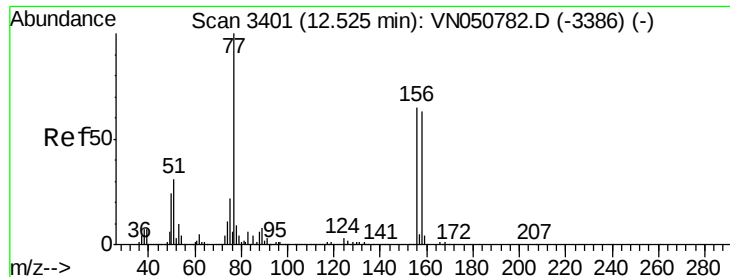
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.61 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 438268

Ion Ratio Lower Upper

156 100

77 178.6 89.9 269.7

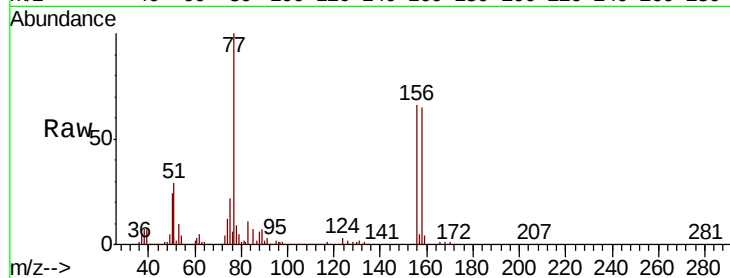
158 97.9 49.3 147.9

Manual Integrations

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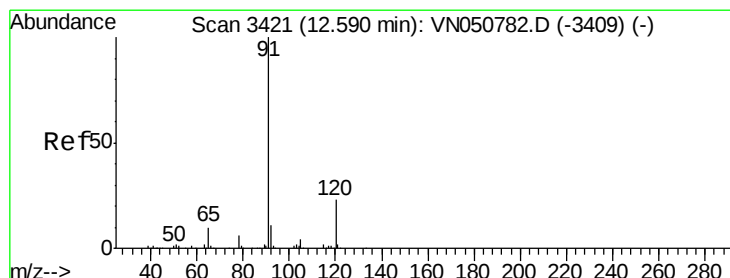
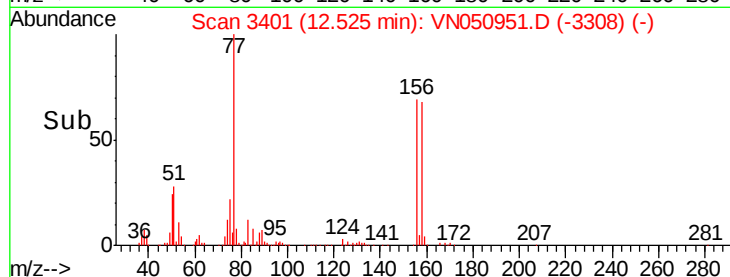
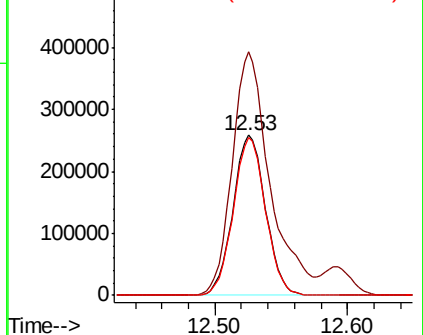
8/31/2018 11:32:21 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.05 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050951.D

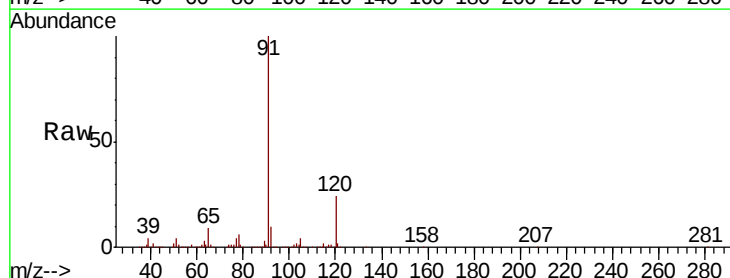
Acq: 30 Aug 2018 10:22

Tgt Ion: 91 Resp: 1969468

Ion Ratio Lower Upper

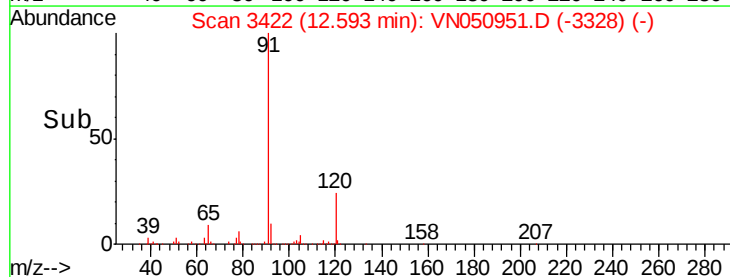
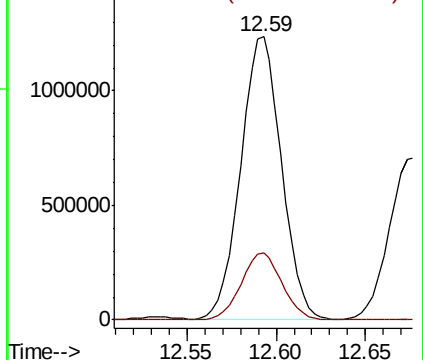
91 100

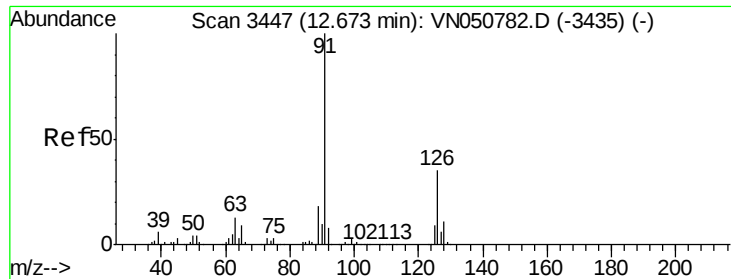
120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.14 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1158158

Ion Ratio Lower Upper

91 100

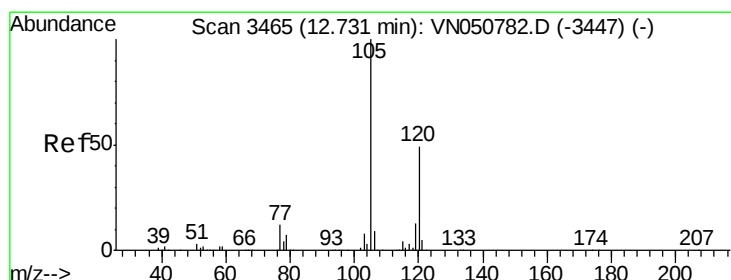
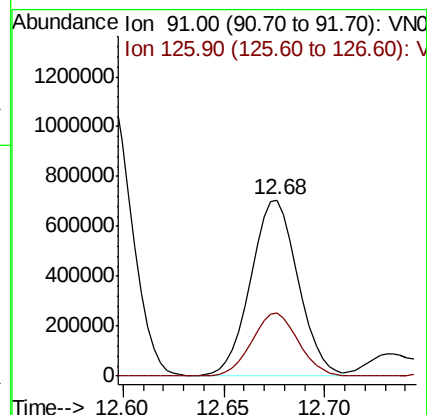
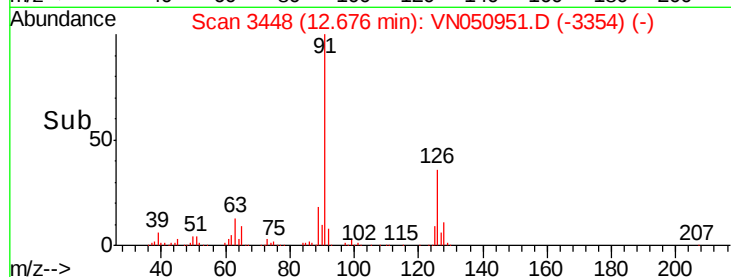
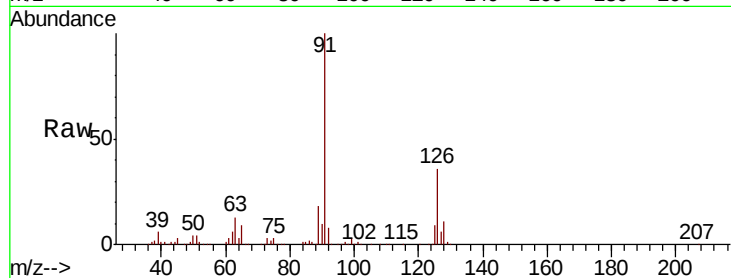
126 35.8 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 52.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050951.D

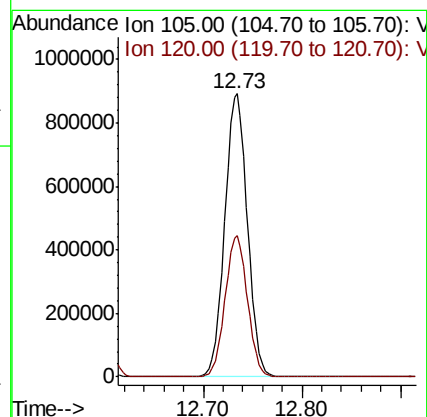
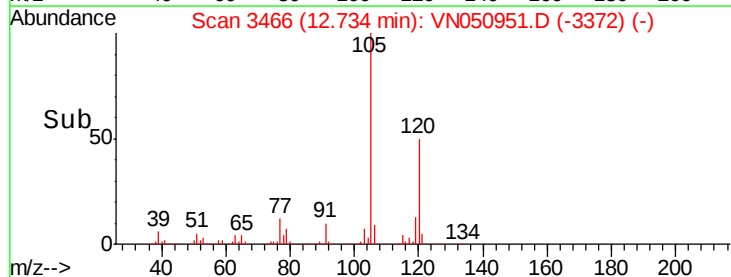
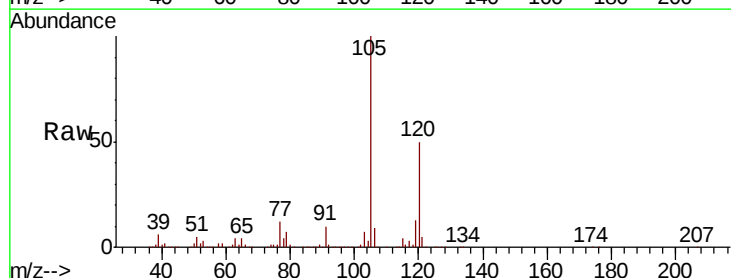
Acq: 30 Aug 2018 10:22

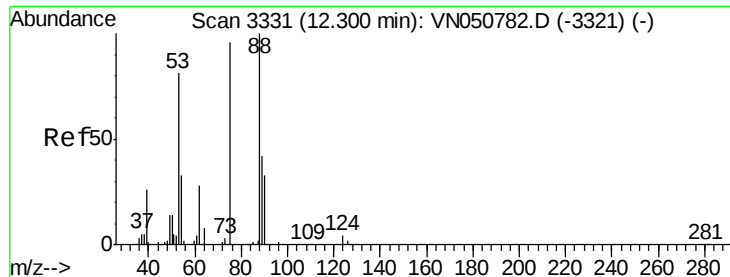
Tgt Ion: 105 Resp: 1431655

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.65 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

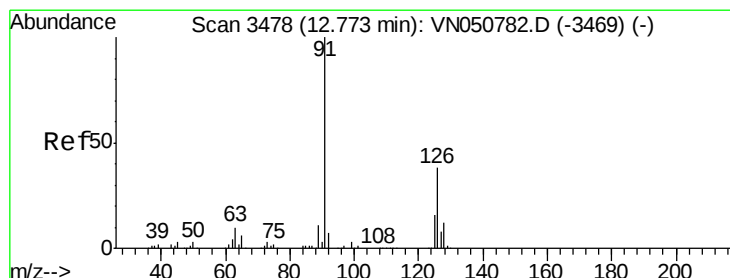
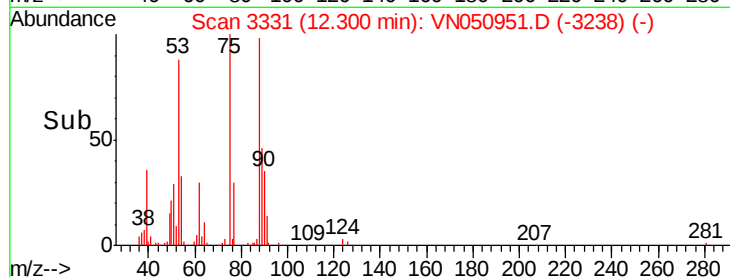
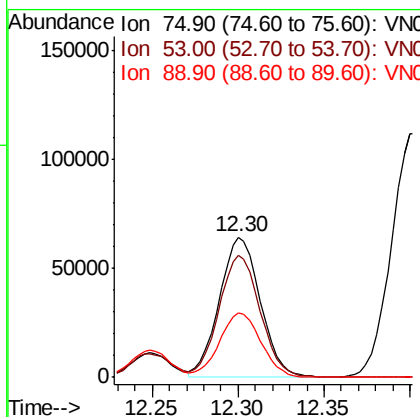
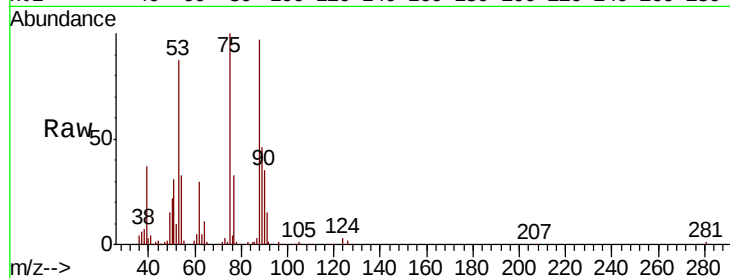
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	107352
Ion	Ratio	Lower	Upper
75	100		
53	86.6	68.9	103.3
89	46.5	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.20 ug/l

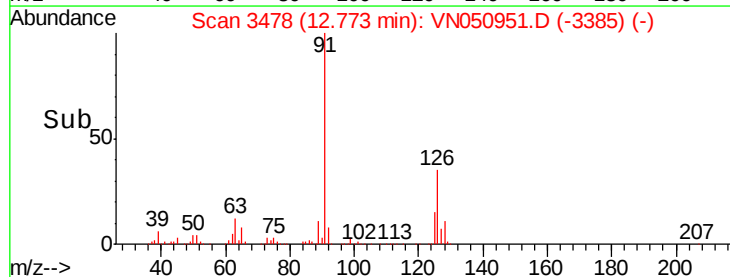
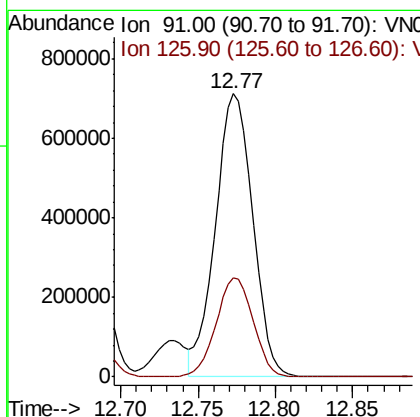
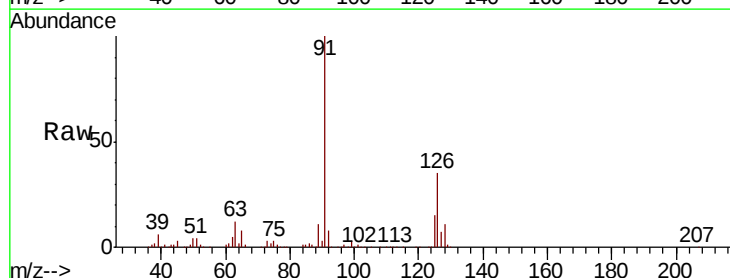
RT: 12.77 min Scan# 3478

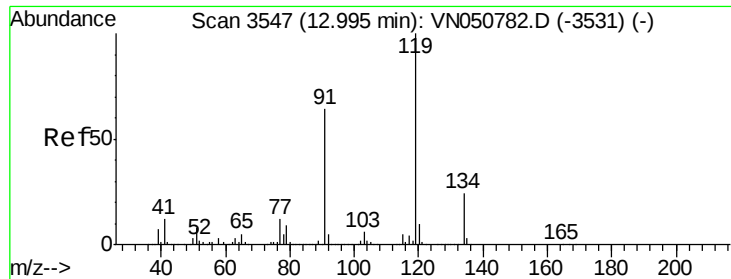
Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion:	91	Resp:	1191414
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.5	52.5





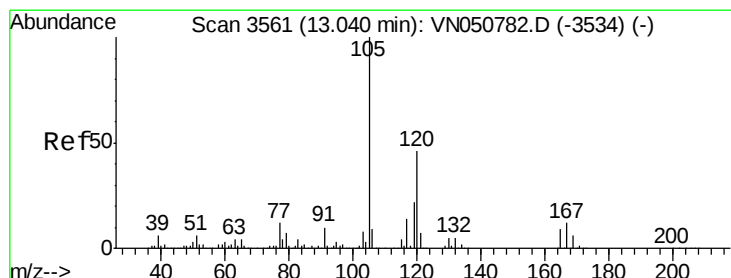
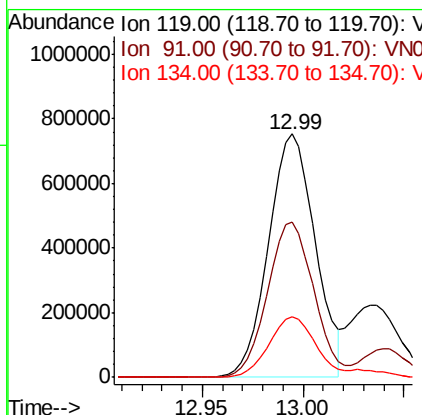
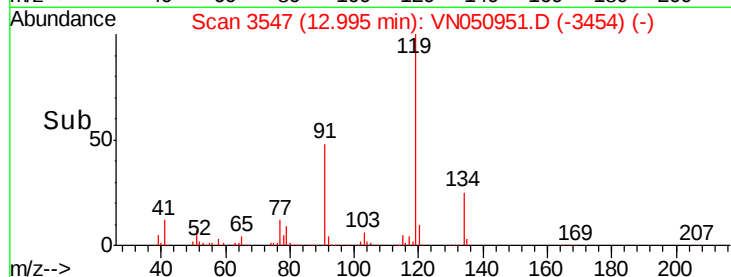
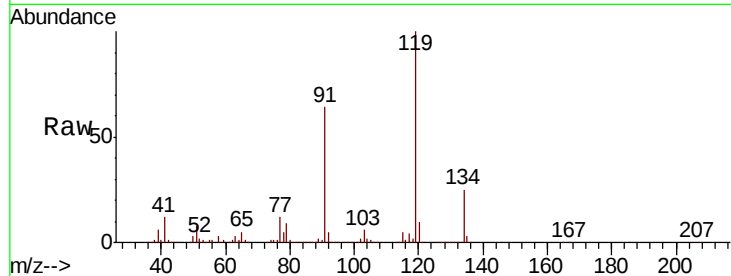
#83
 tert-Butylbenzene
 Concen: 51.08 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.6	94.7
134	25.1	13.4	40.1

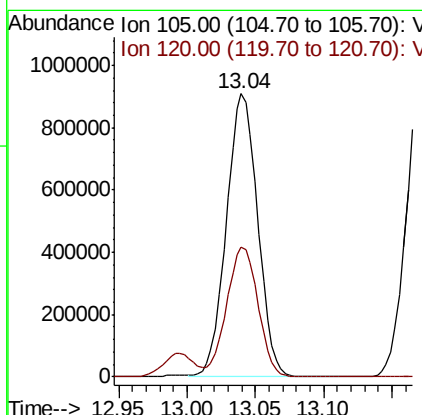
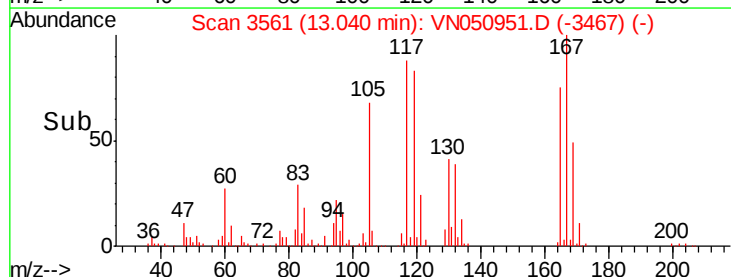
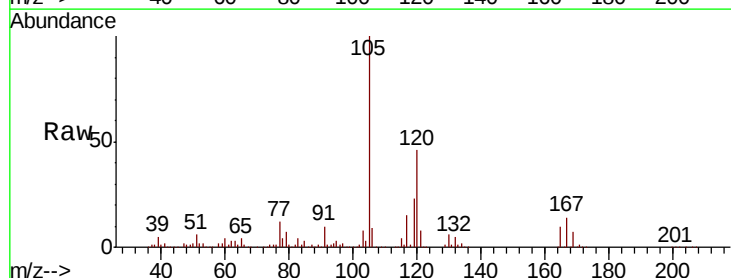
Manual Integrations
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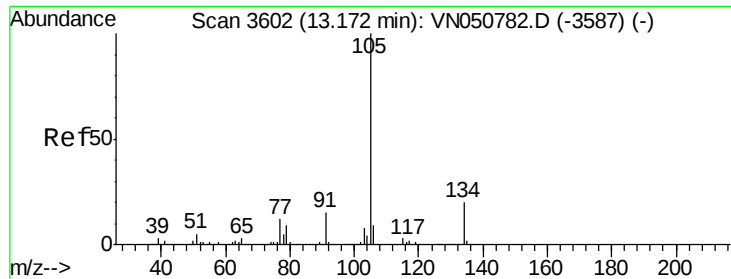
MMDadoda
 8/31/2018 11:32:21 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.55 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.8





#85

sec-Butylbenzene

Concen: 52.70 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1634493

Ion Ratio Lower Upper

105 100

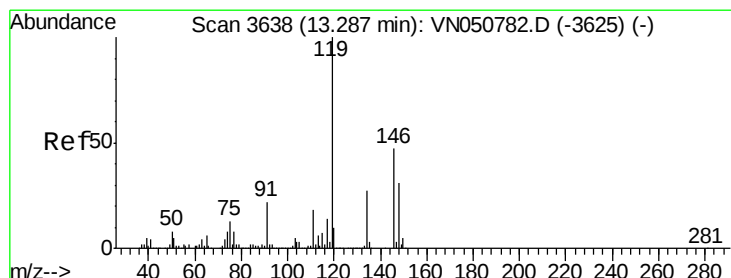
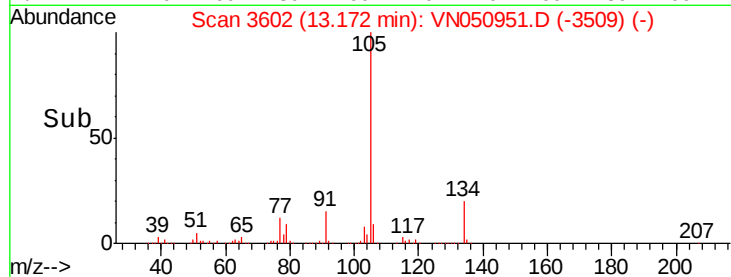
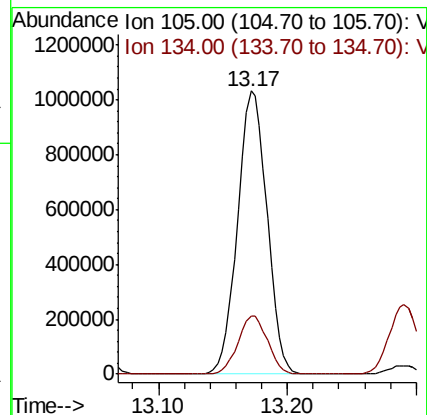
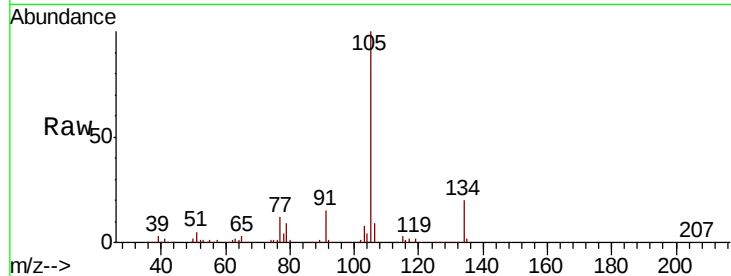
134 20.6 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 54.87 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

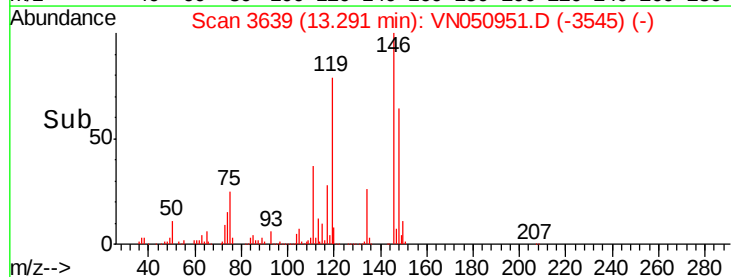
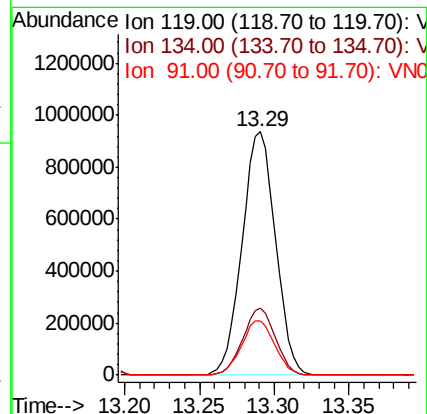
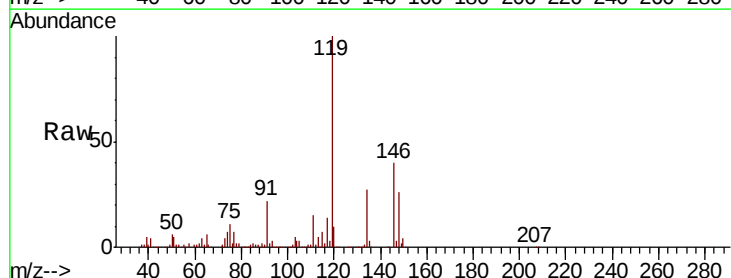
Tgt Ion:119 Resp: 1450119

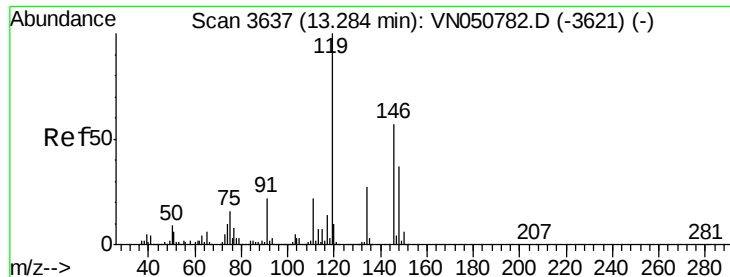
Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.0

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 49.94 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

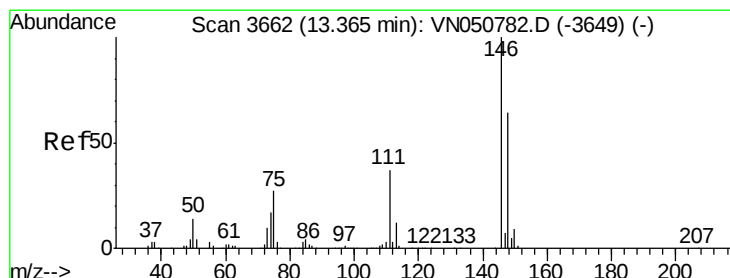
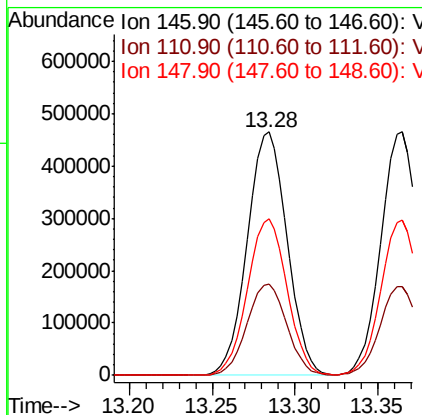
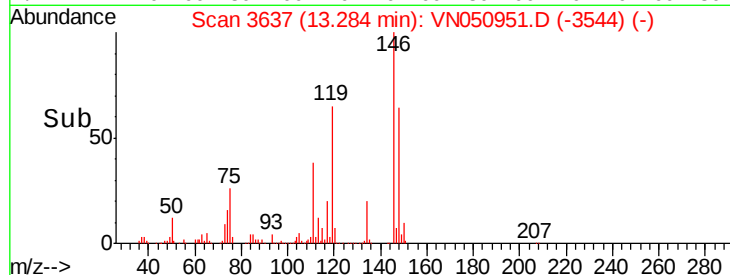
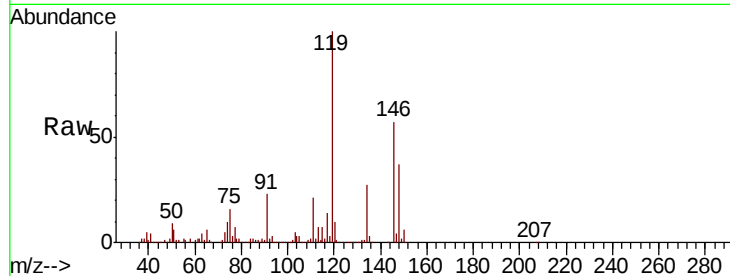
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	780163
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.1	57.3
148	63.8	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 49.05 ug/l

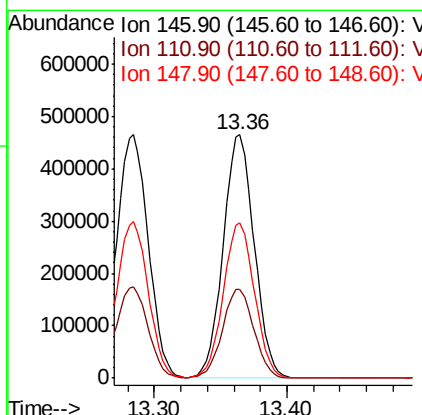
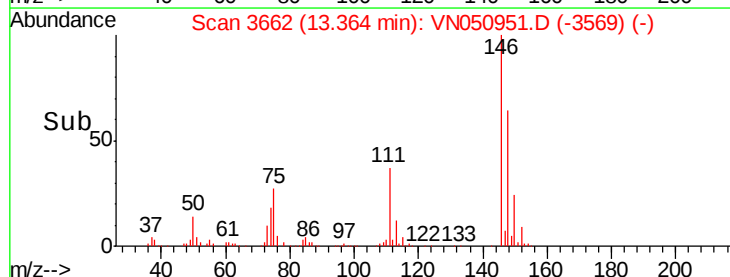
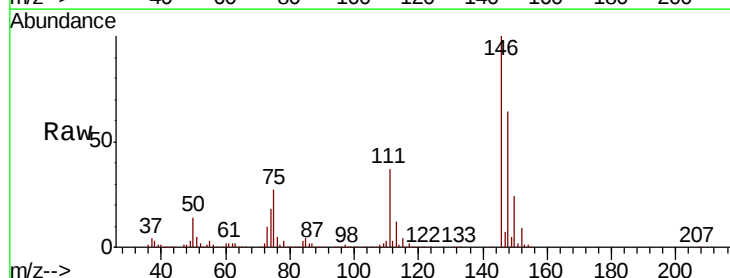
RT: 13.36 min Scan# 3662

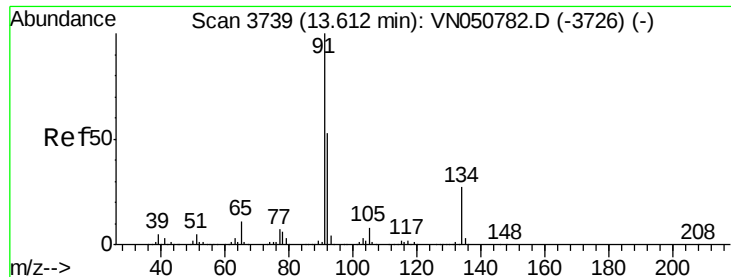
Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion:	146	Resp:	754138
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.8	56.3
148	64.1	32.2	96.6





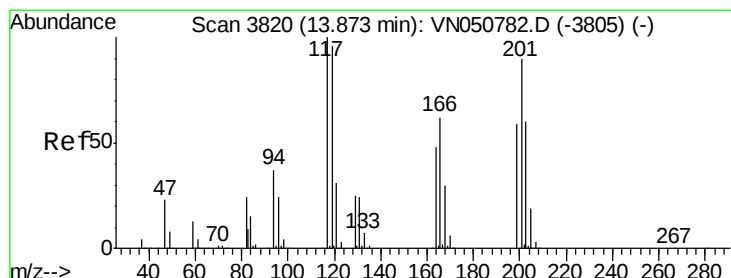
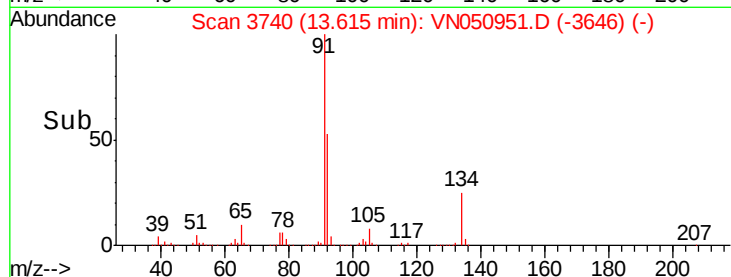
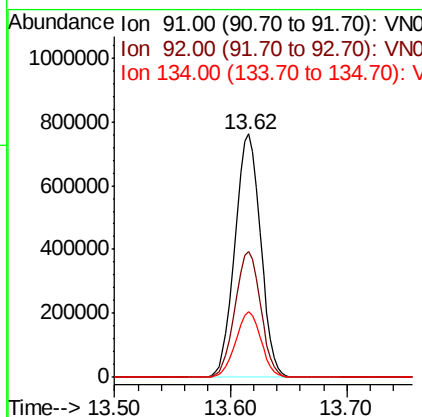
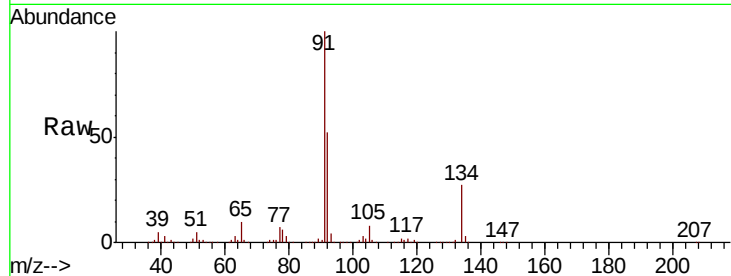
#89
n-Butylbenzene
Concen: 54.90 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1160479
Ion Ratio Lower Upper
91 100
92 51.6 26.1 78.2
134 26.6 13.2 39.6

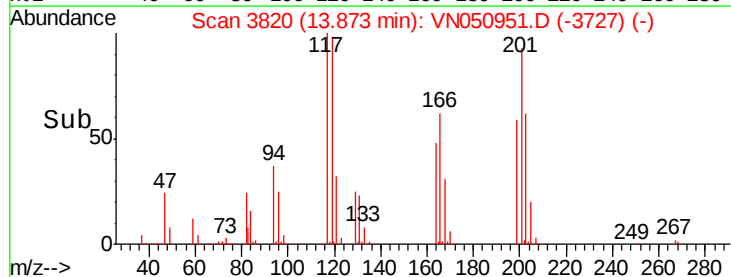
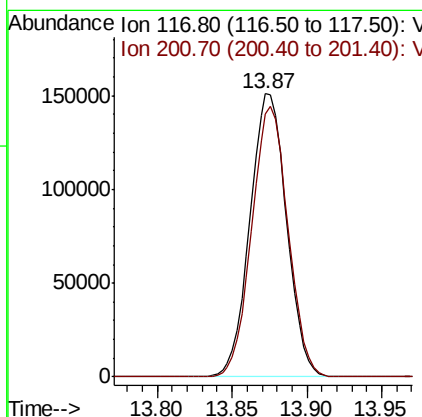
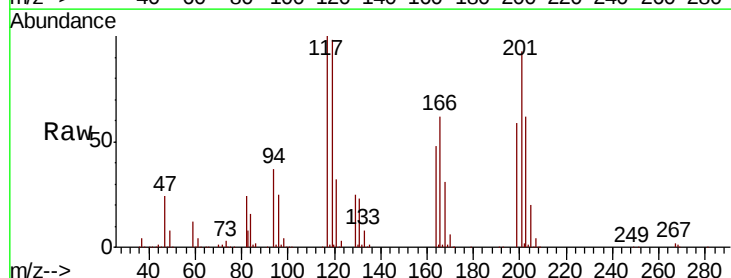
Manual Integrations
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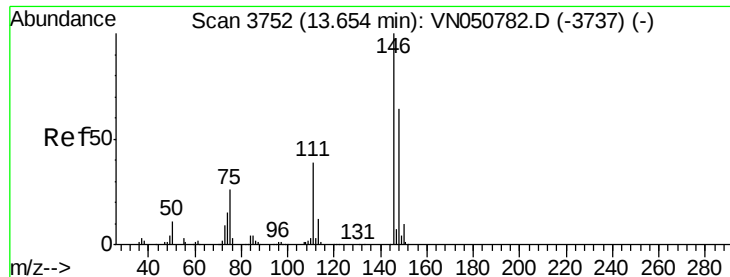
MMDadoda
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#90
Hexachloroethane
Concen: 51.13 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 117 Resp: 257549
Ion Ratio Lower Upper
117 100
201 94.7 46.0 137.8





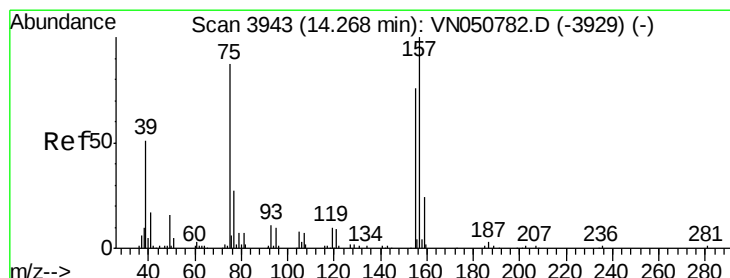
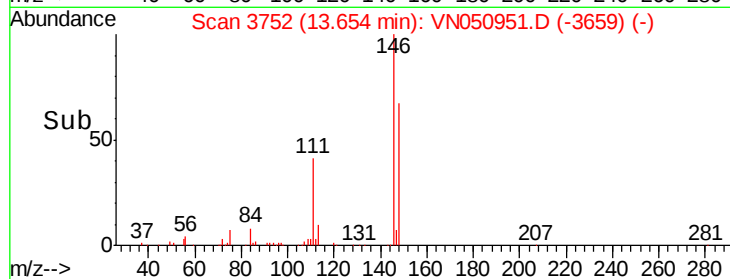
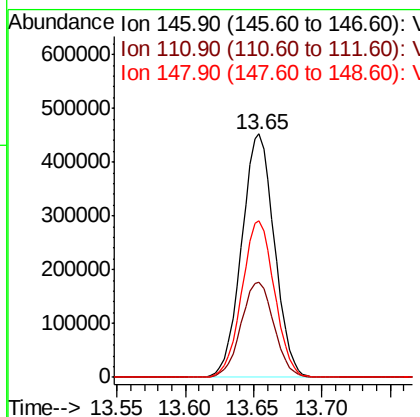
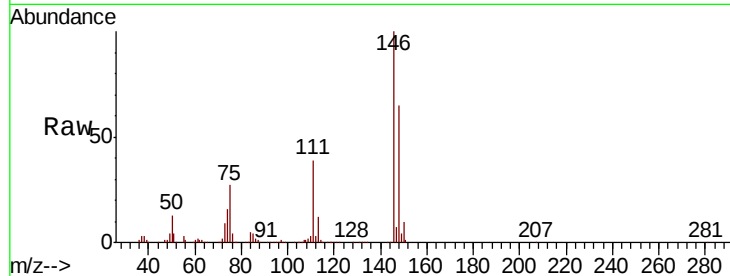
#91
 1,2-Dichlorobenzene
 Concen: 49.83 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.2	32.3	96.8

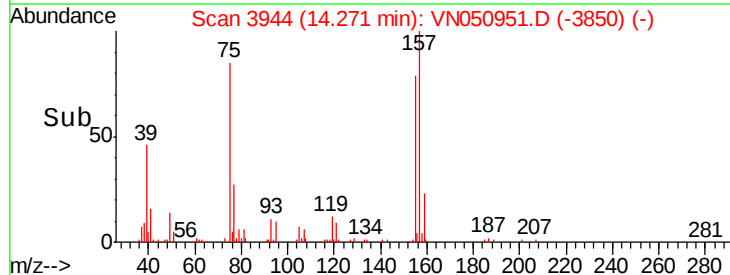
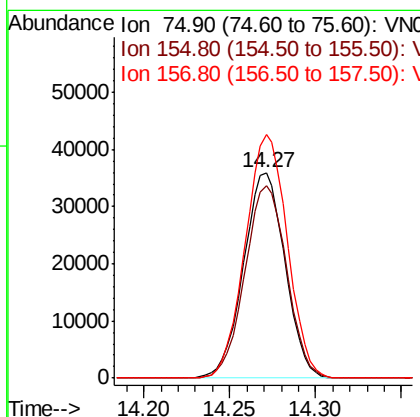
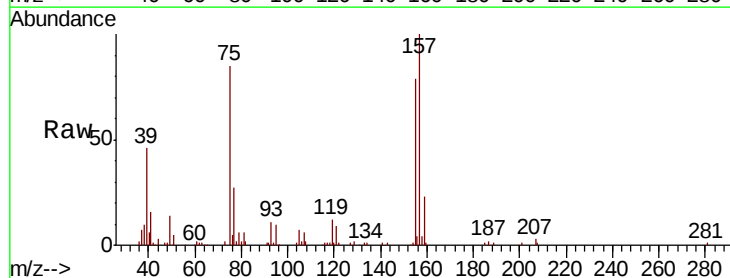
Manual Integrations
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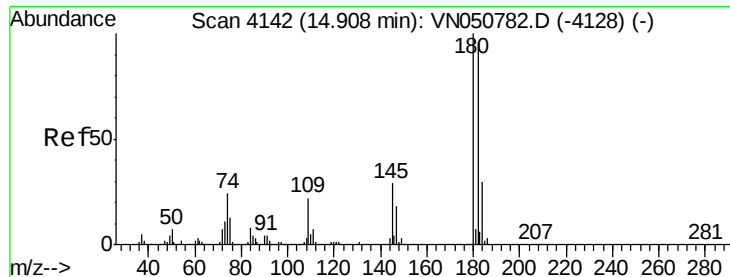
MMDadoda
 8/31/2018 11:32:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.46 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	46.4	139.1
157	119.9	60.7	182.0





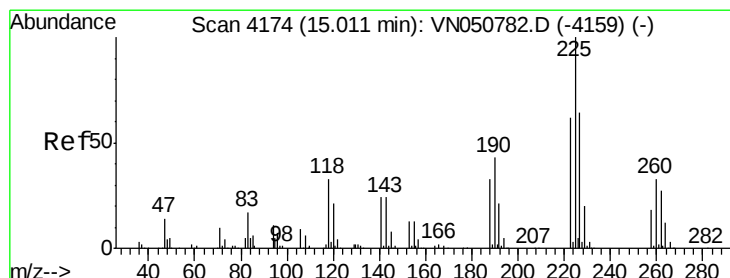
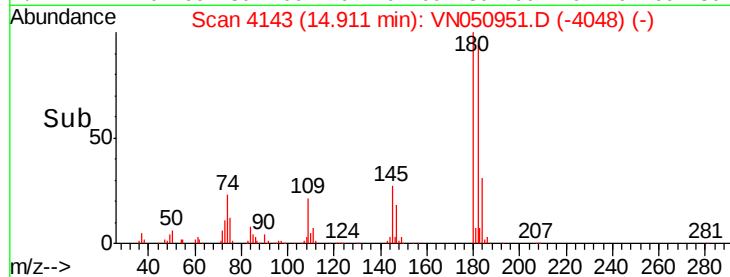
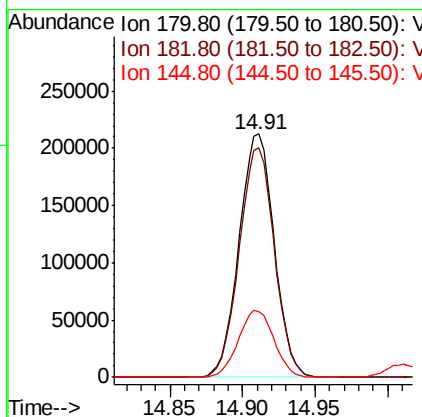
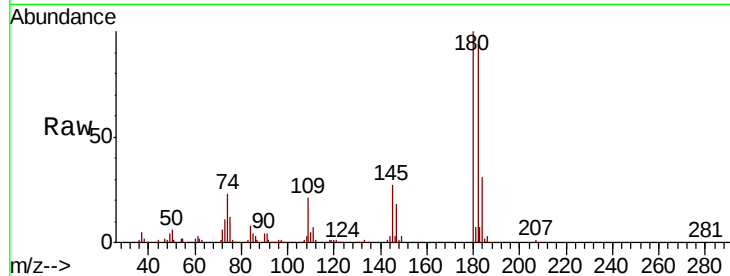
#93
 1,2,4-Trichlorobenzene
 Concen: 46.00 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	357842		
182	94.4	48.2	144.6	
145	28.0	14.1	42.2	

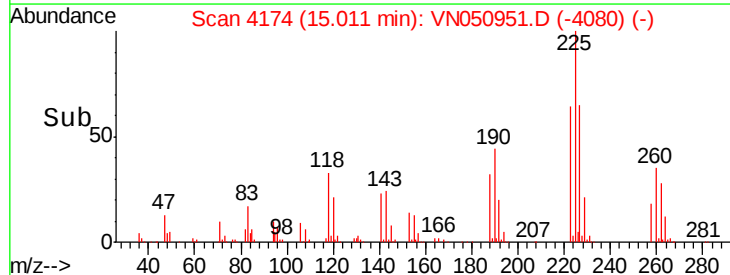
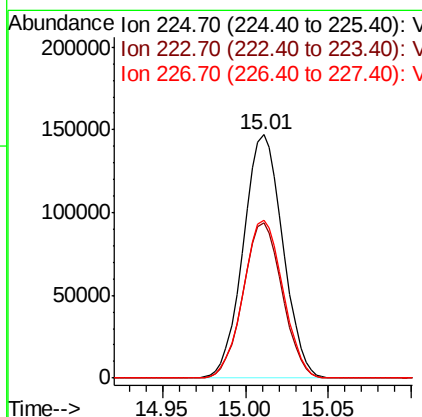
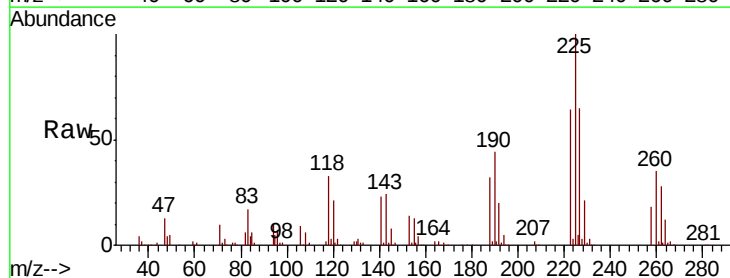
Manual Integrations
 APPROVED

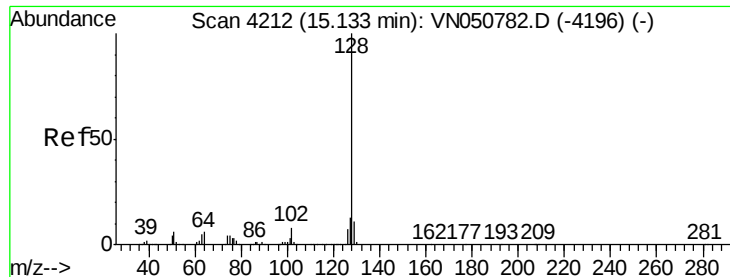
MMDadoda
 8/31/2018 11:32:21 AM



#94
 Hexachlorobutadiene
 Concen: 54.64 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	243649		
223	63.1	31.3	93.8	
227	65.3	32.0	96.2	





#95

Naphthalene

Concen: 42.26 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

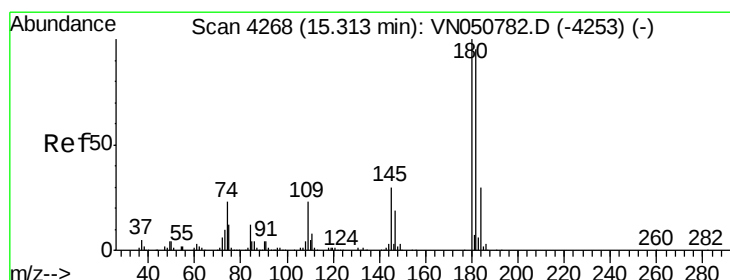
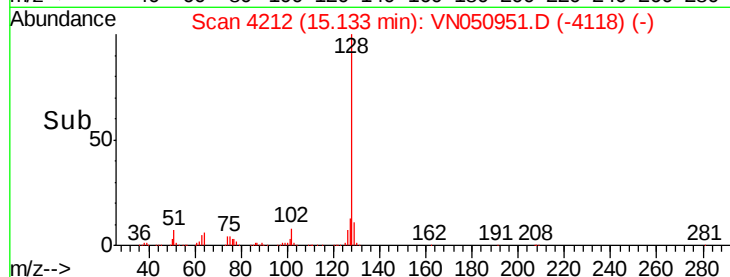
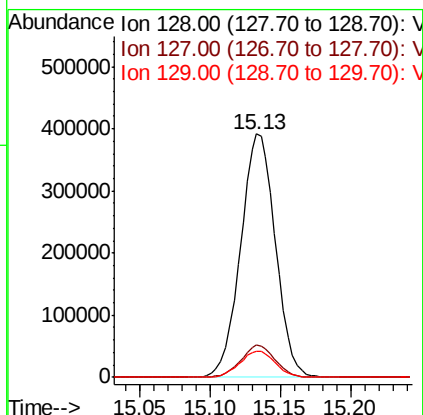
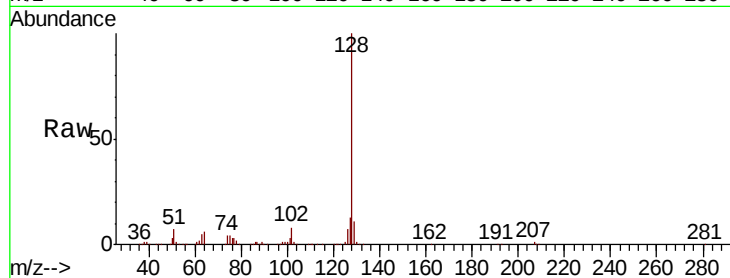
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	675351
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/31/2018 11:32:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.92 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion:	180	Resp:	351145
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.0	144.2
145	28.9	15.2	45.6

