

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050809.D
 Acq On : 22 Aug 2018 10:45
 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
 8/23/2018 10:52:25 AM

Quant Time: Aug 23 01:13:58 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	667584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	906765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	842688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	441453	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	387948	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.59	113	366416	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.09	98	1414494	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.40	95	470880	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	485455	54.34	ug/l	100
3) Chloromethane	2.06	50	516000	46.83	ug/l	99
4) Vinyl Chloride	2.18	62	513699	49.21	ug/l	100
5) Bromomethane	2.56	94	287245	48.39	ug/l	99
6) Chloroethane	2.70	64	293275	48.63	ug/l	100
7) Trichlorofluoromethane	3.01	101	664668	49.73	ug/l	99
8) Diethyl Ether	3.41	74	216480	47.63	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	422311	50.57	ug/l	98
10) Methyl Iodide	3.95	142	333506	46.08	ug/l	99
11) Tert butyl alcohol	4.79	59	116320	227.29	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	369436	49.27	ug/l	100
13) Acrolein	3.61	56	60233	205.02	ug/l	99
14) Allyl chloride	4.32	41	574003	49.13	ug/l	100
15) Acrylonitrile	4.99	53	636453	244.71	ug/l	99
16) Acetone	3.82	43	505720	266.19	ug/l	98
17) Carbon Disulfide	4.05	76	1167434	46.45	ug/l	99
18) Methyl Acetate	4.33	43	345604	45.54	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	953326	50.55	ug/l	100
20) Methylene Chloride	4.55	84	420277	46.40	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	399179	49.22	ug/l	97
22) Diisopropyl ether	5.95	45	1202946	51.66	ug/l	100
23) Vinyl Acetate	5.90	43	3858518	257.32	ug/l	100
24) 1,1-Dichloroethane	5.85	63	724861	48.49	ug/l	100
25) 2-Butanone	6.84	43	746700	230.55	ug/l	99
26) 2,2-Dichloropropane	6.83	77	588771	49.02	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	433182	49.55	ug/l	99
28) Bromochloromethane	7.19	49	310950	48.95	ug/l	98
29) Tetrahydrofuran	7.21	42	465048	250.44	ug/l	99
30) Chloroform	7.37	83	724029	48.91	ug/l	99
31) Cyclohexane	7.65	56	663885	48.88	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	627077	49.32	ug/l	99
36) 1,1-Dichloropropene	7.79	75	571046	53.37	ug/l	99
37) Ethyl Acetate	6.93	43	314652	51.19	ug/l	100
38) Carbon Tetrachloride	7.77	117	562235	51.98	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	636102	54.95	ug/l	99
40) Benzene	8.04	78	1694927	52.53	ug/l	100
41) Methacrylonitrile	7.17	41	140903	42.36	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	503059	52.15	ug/l	100
43) Isopropyl Acetate	8.17	43	559473	52.94	ug/l	99
44) Trichloroethene	8.83	130	444012	52.18	ug/l	99
45) 1,2-Dichloropropane	9.12	63	442592	52.19	ug/l	99
46) Dibromomethane	9.21	93	255009	51.18	ug/l	98
47) Bromodichloromethane	9.40	83	549512	52.65	ug/l	99
48) Methyl methacrylate	9.20	41	282417	52.44	ug/l	98
49) 1,4-Dioxane	9.20	88	77951	1061.67	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1570707	249.06	ug/l	99
52) Toluene	10.16	92	1041130	54.47	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	553447	53.28	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	643454	54.09	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	371993	52.44	ug/l	99
56) Ethyl methacrylate	10.43	69	441364	47.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	616222	52.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	976014	242.74	ug/l	100
59) 2-Hexanone	10.75	43	1089258	259.44	ug/l	100
60) Dibromochloromethane	10.90	129	426045	53.64	ug/l	99
61) 1,2-Dibromoethane	11.01	107	362991	52.91	ug/l	98
64) Tetrachloroethene	10.63	164	407285	50.89	ug/l	99
65) Chlorobenzene	11.43	112	1133363	51.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	423237	52.52	ug/l	99
67) Ethyl Benzene	11.51	91	1966720	54.92	ug/l	100
68) m/p-Xylenes	11.62	106	1540790	113.36	ug/l	99
69) o-Xylene	11.95	106	728753	55.77	ug/l	99
70) Styrene	11.96	104	1171720	50.86	ug/l	99
71) Bromoform	12.13	173	293133	52.89	ug/l #	100
73) Isopropylbenzene	12.25	105	1928259	52.75	ug/l	100
74) N-amyl acetate	12.07	43	469930	51.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	451395	51.86	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	365563m	47.28	ug/l	
77) Bromobenzene	12.53	156	494411	49.77	ug/l	97
78) n-propylbenzene	12.59	91	2229651	54.60	ug/l	100
79) 2-Chlorotoluene	12.68	91	1312579	51.60	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1607581	54.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115666	50.57	ug/l	97
82) 4-Chlorotoluene	12.77	91	1331380	53.02	ug/l	100
83) tert-Butylbenzene	12.99	119	1377541	53.93	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1629576	54.93	ug/l	99
85) sec-Butylbenzene	13.17	105	1821266	54.41	ug/l	100
86) p-Isopropyltoluene	13.29	119	1607240	56.35	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	869138	51.55	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	836952	50.44	ug/l	100
89) n-Butylbenzene	13.62	91	1287126	56.43	ug/l	100
90) Hexachloroethane	13.88	117	289195	53.19	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	825597	50.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61163	46.59	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	398767	47.36	ug/l	99
94) Hexachlorobutadiene	15.01	225	262568	54.56	ug/l	99
95) Naphthalene	15.13	128	751281	43.39	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	382002	48.28	ug/l	100

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

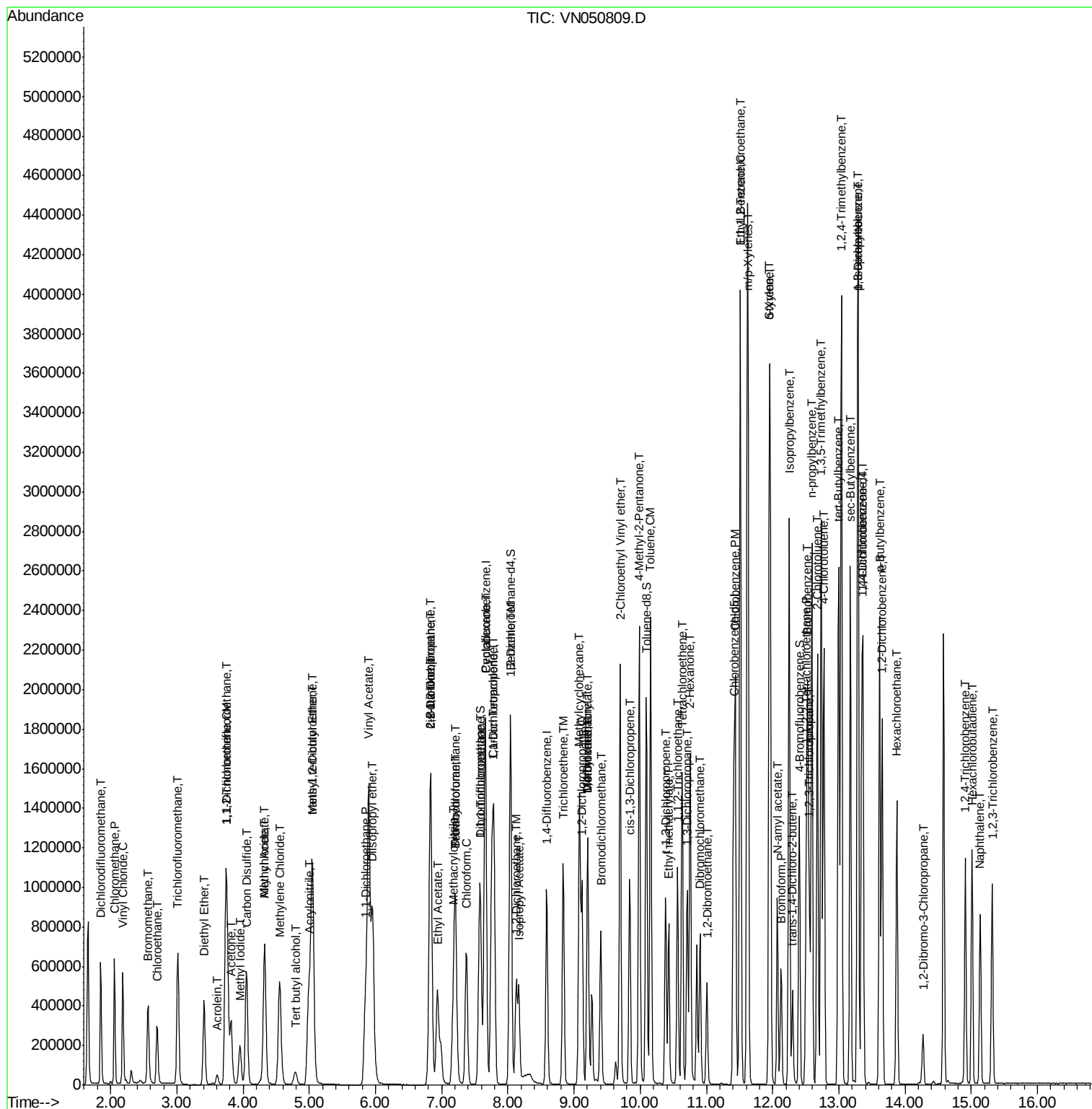
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
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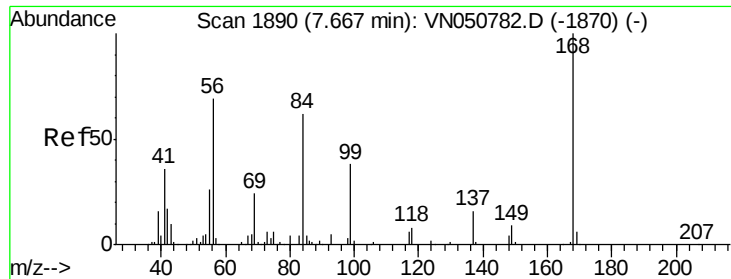
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 667584

Ion Ratio Lower Upper

168 100

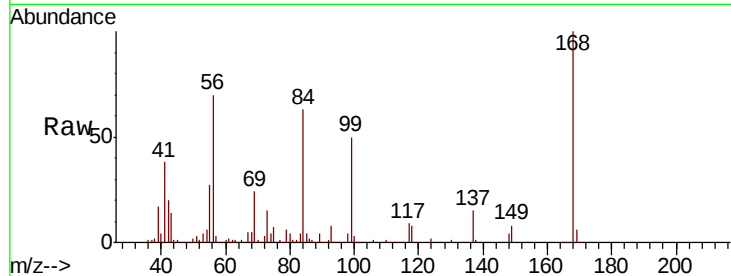
99 49.5 39.6 59.4

Manual Integrations

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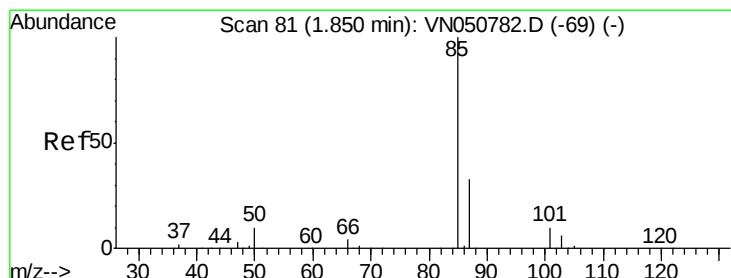
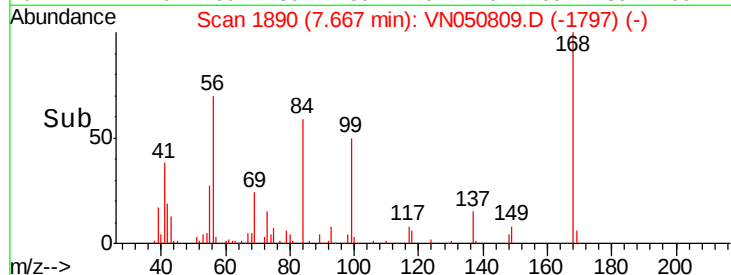
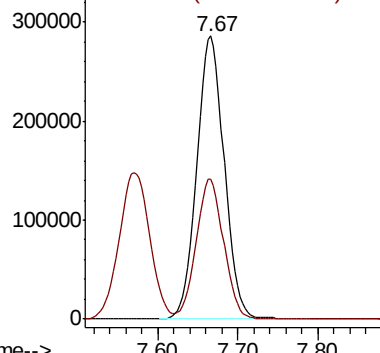
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 54.34 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050809.D

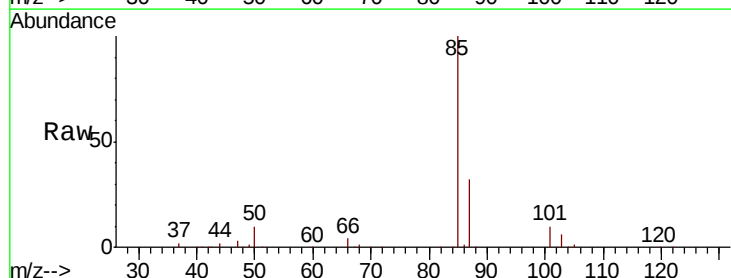
Acq: 22 Aug 2018 10:45

Tgt Ion: 85 Resp: 485455

Ion Ratio Lower Upper

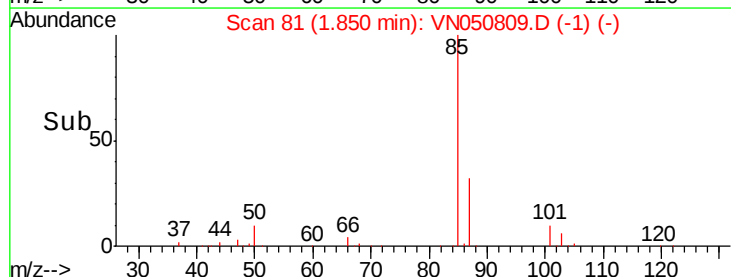
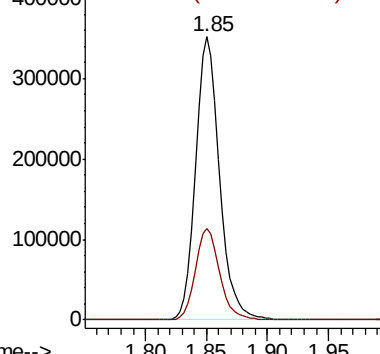
85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 46.83 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 516000

Ion Ratio Lower Upper

50 100

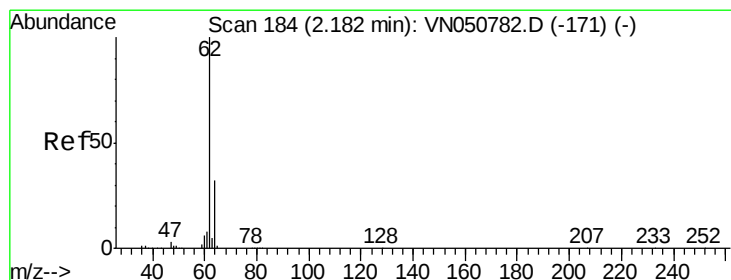
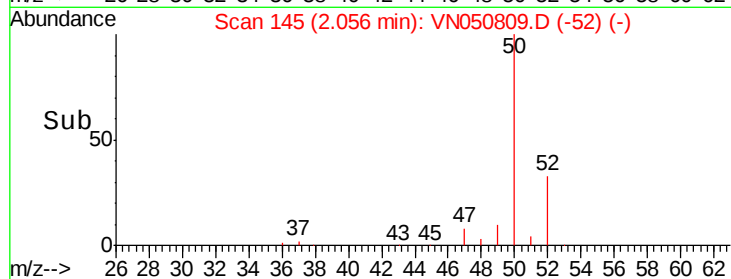
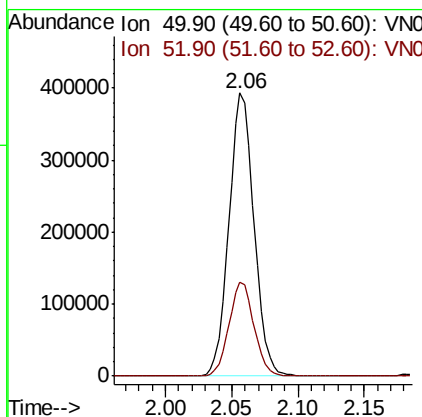
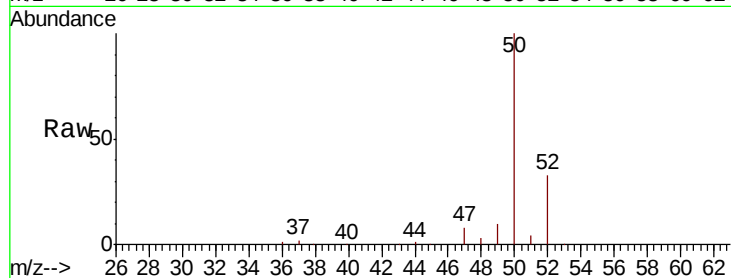
52 33.3 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.21 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050809.D

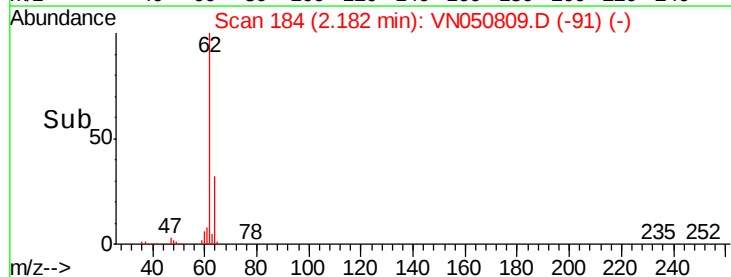
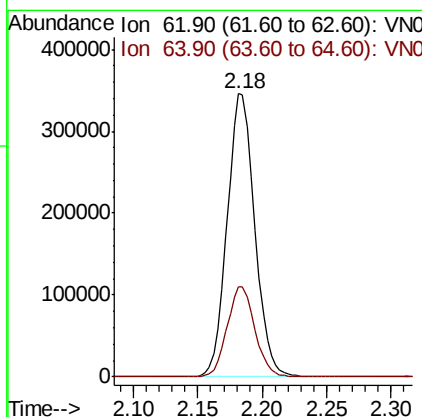
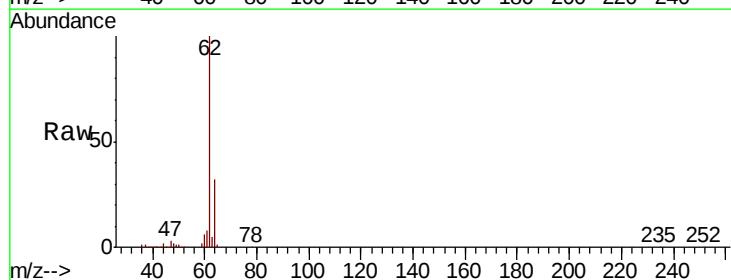
Acq: 22 Aug 2018 10:45

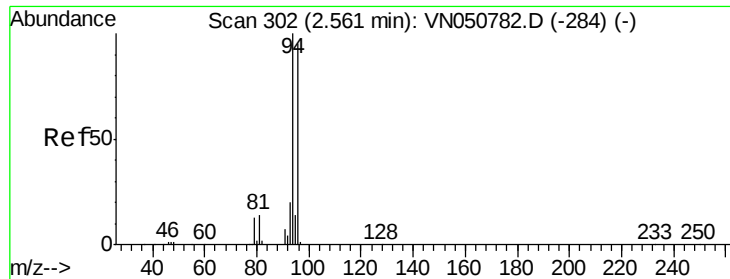
Tgt Ion: 62 Resp: 513699

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 48.39 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

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Tot Ion: 94 Resp: 287245

Ion Ratio Lower Upper

94 100

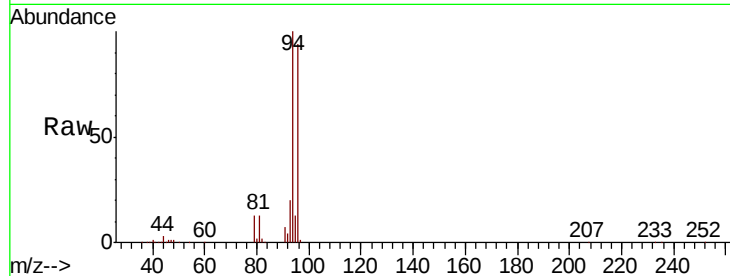
96 94.0 76.2 114.2

Manual Integrations

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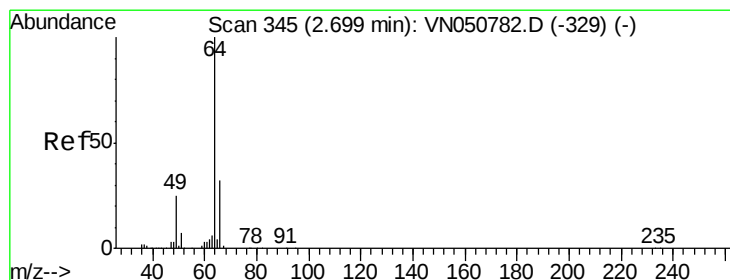
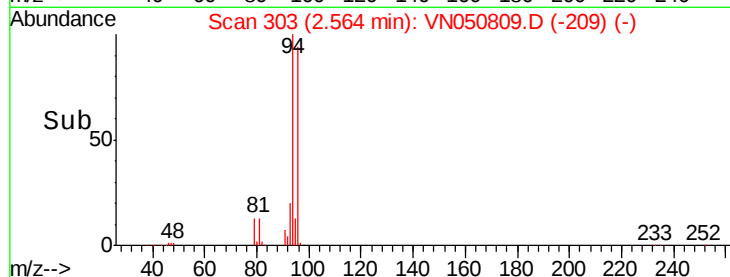
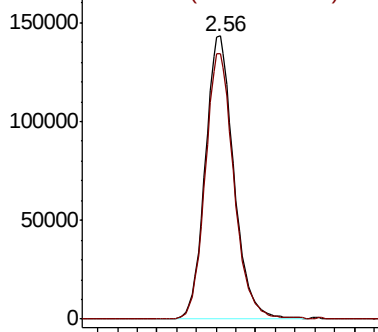
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.63 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050809.D

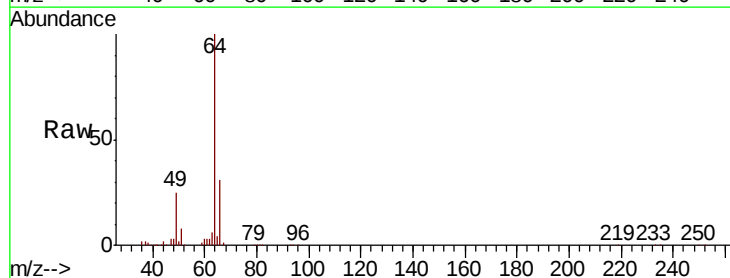
Acq: 22 Aug 2018 10:45

Tgt Ion: 64 Resp: 293275

Ion Ratio Lower Upper

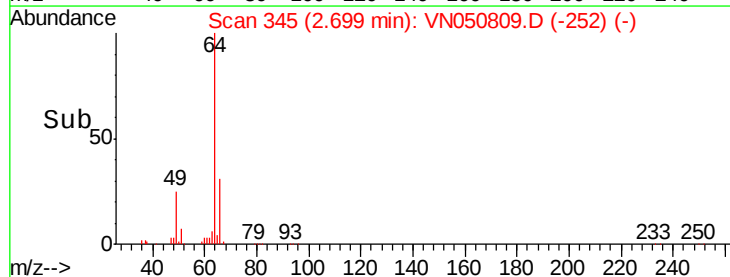
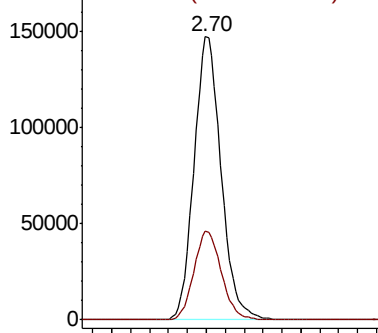
64 100

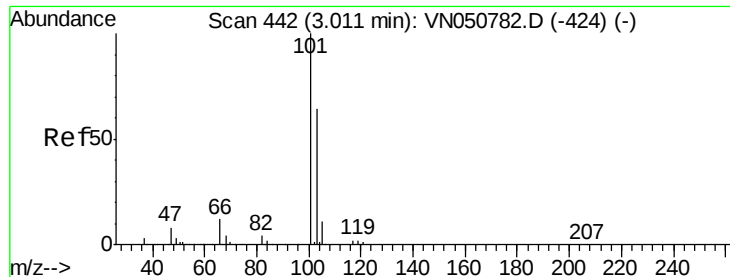
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

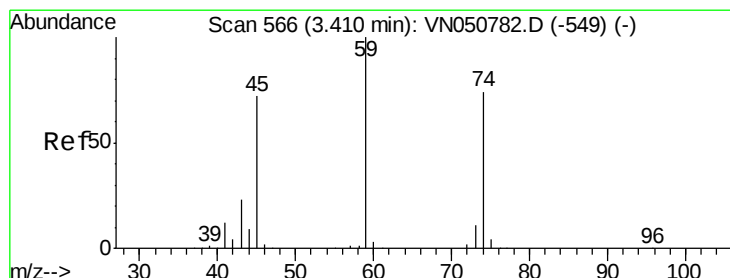
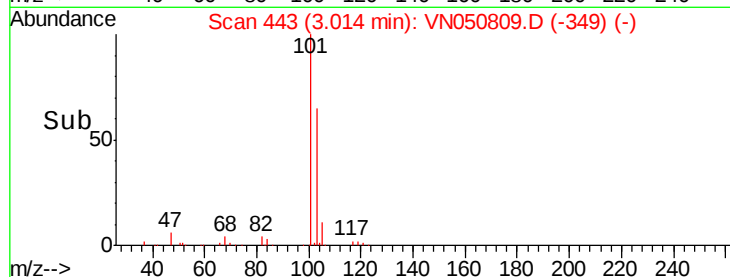
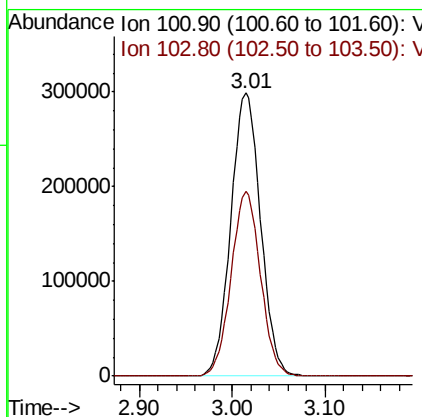
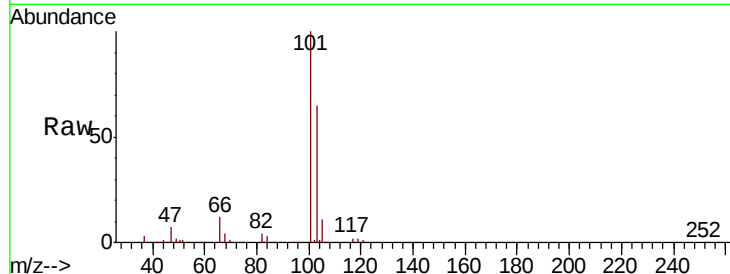
Trichlorofluoromethane
 Concen: 49.73 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

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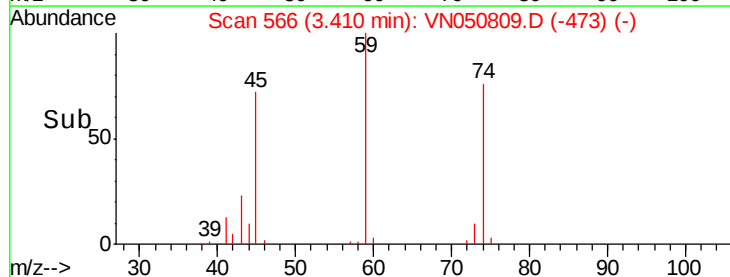
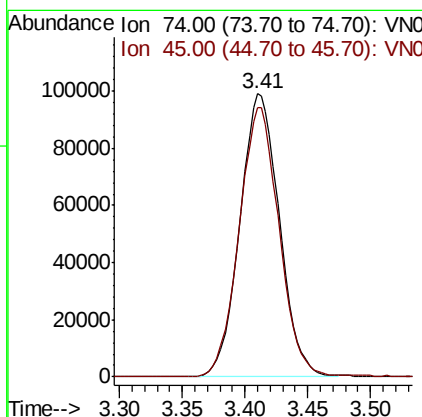
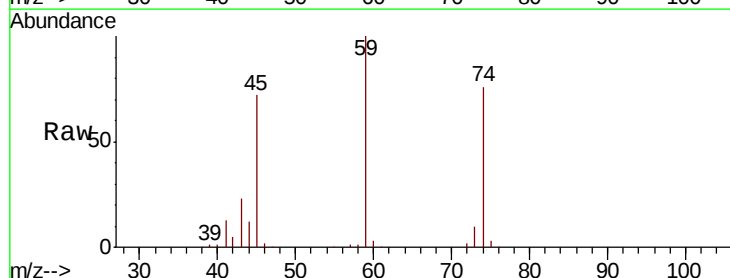
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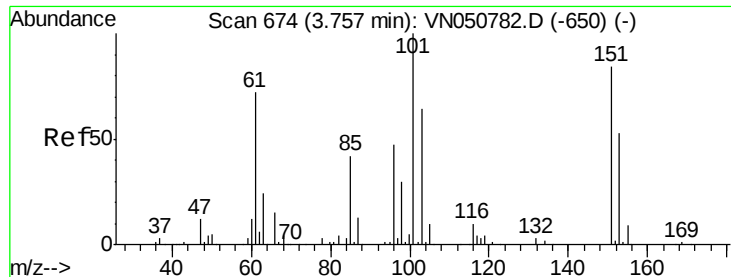


#8

Diethyl Ether
 Concen: 47.63 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	48.2	144.6





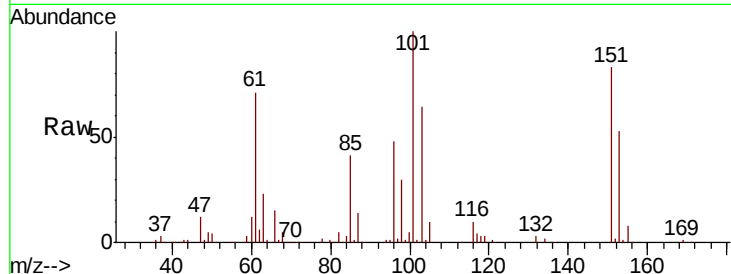
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.57 ug/l
RT: 3.76 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	422311		
85	40.9	33.7	50.5	
151	82.6	67.4	101.2	

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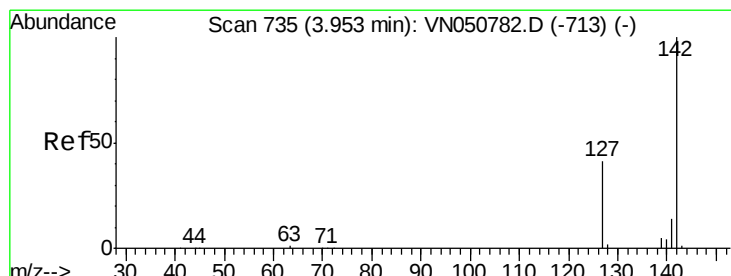
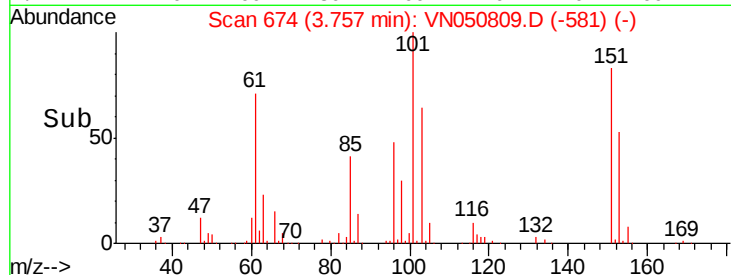
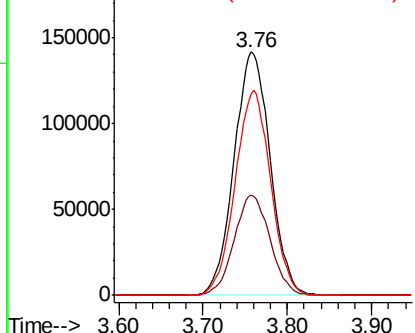


Abundance

Ion 100.90 (100.60 to 101.60): V

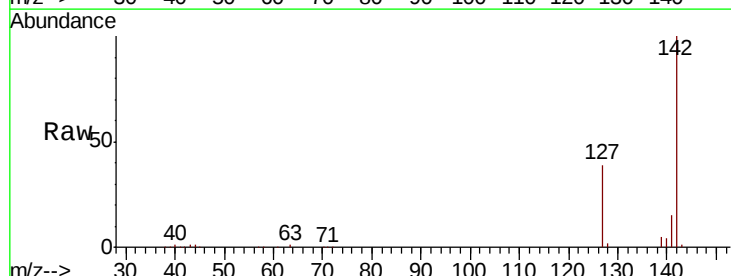
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 46.08 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	333506		
127	40.4	31.7	47.5	
141	14.3	11.4	17.0	

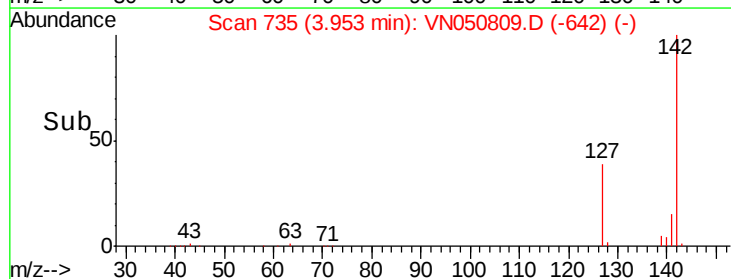
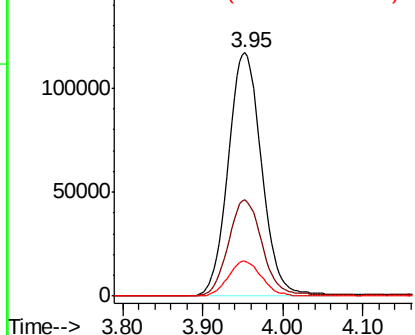


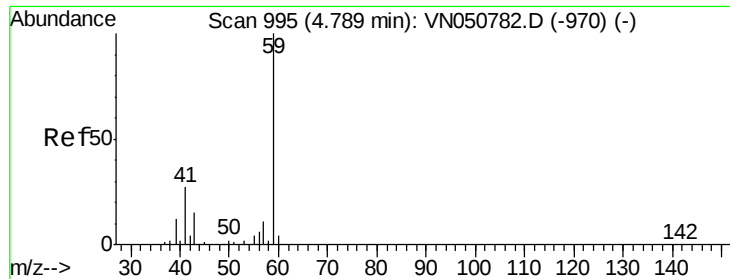
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

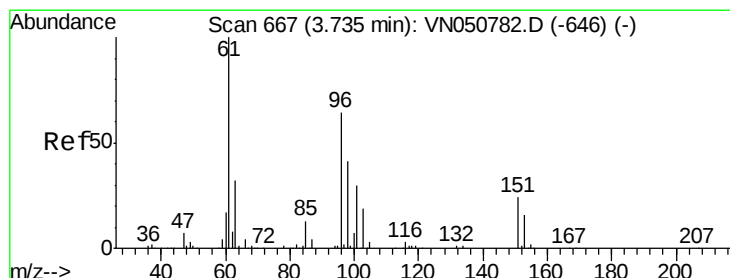
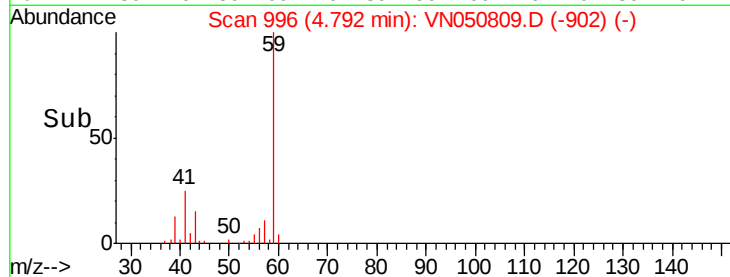
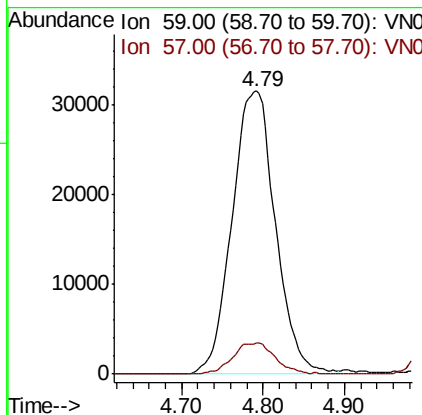
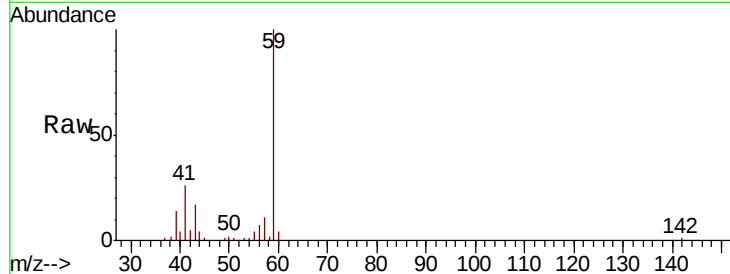
Tert butyl alcohol
 Concen: 227.29 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.3	12.5#

Manual Integrations
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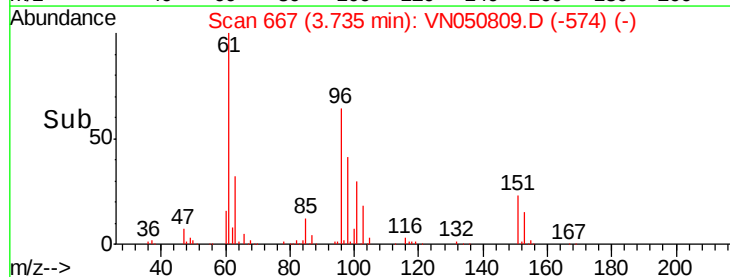
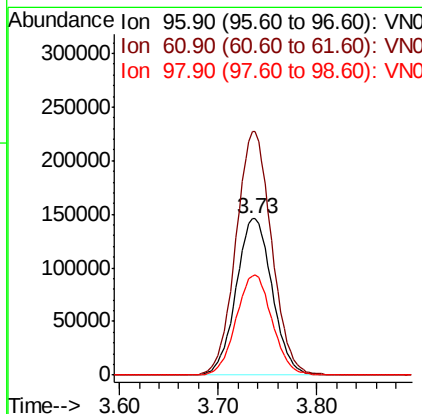
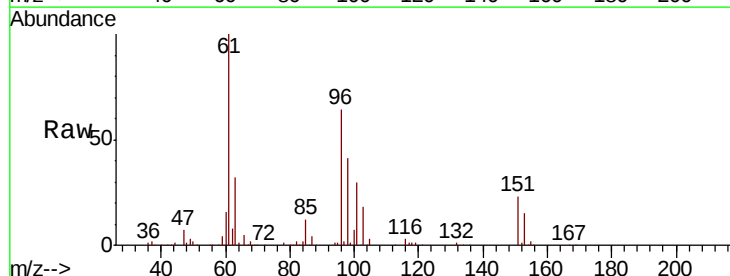
MMDadoda
 8/23/2018 10:52:25 AM



#12

1,1-Dichloroethene
 Concen: 49.27 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	124.9	187.3
98	63.6	51.1	76.7





#13

Acrolein

Concen: 205.02 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 60233

Ion Ratio Lower Upper

56 100

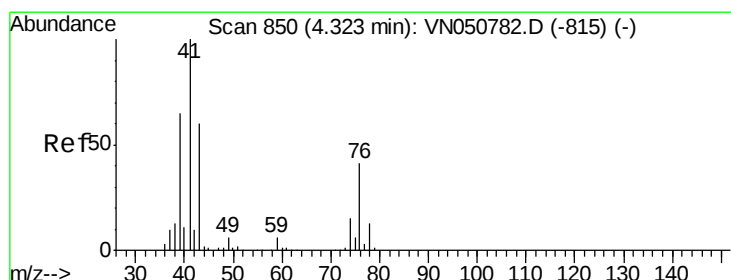
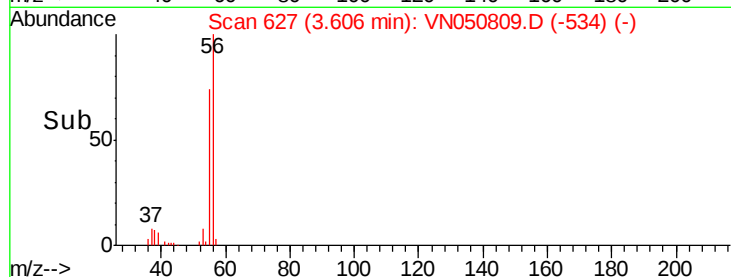
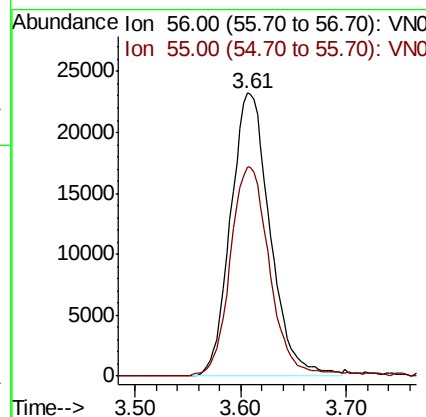
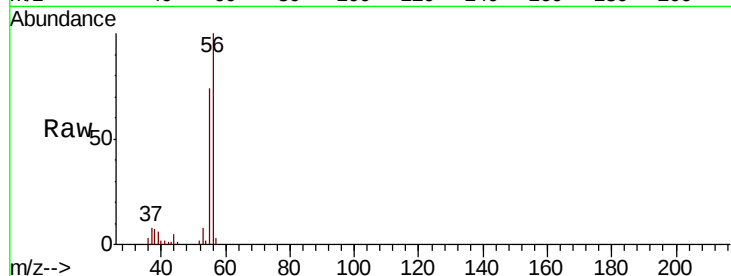
55 73.1 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 49.13 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

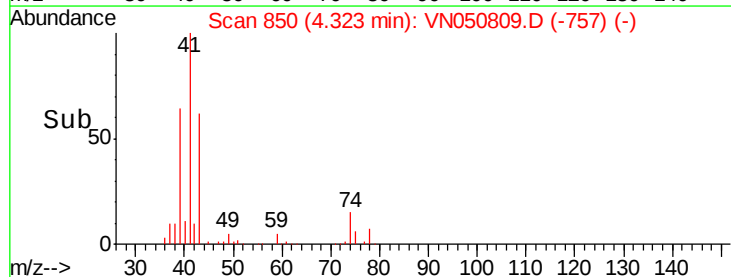
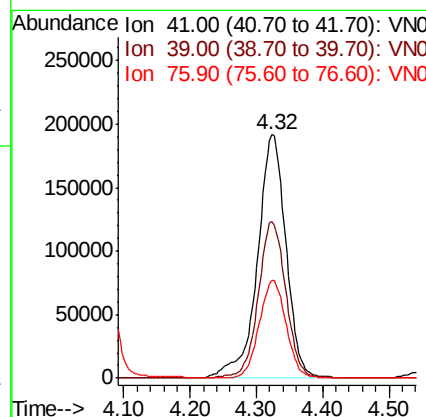
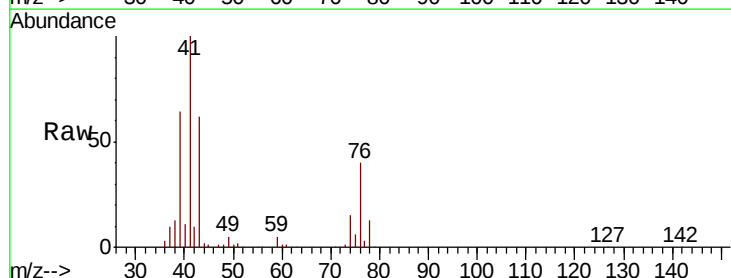
Tgt Ion: 41 Resp: 574003

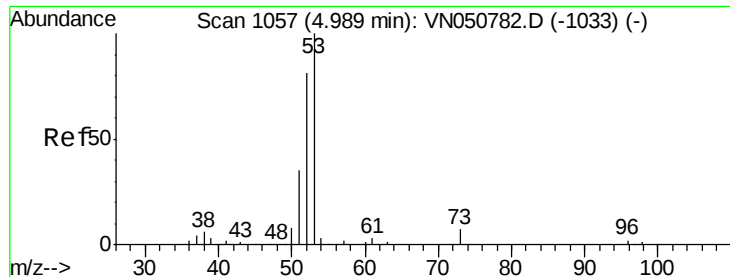
Ion Ratio Lower Upper

41 100

39 62.3 50.2 75.2

76 37.5 29.8 44.8





#15

Acrylonitrile

Concen: 244.71 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

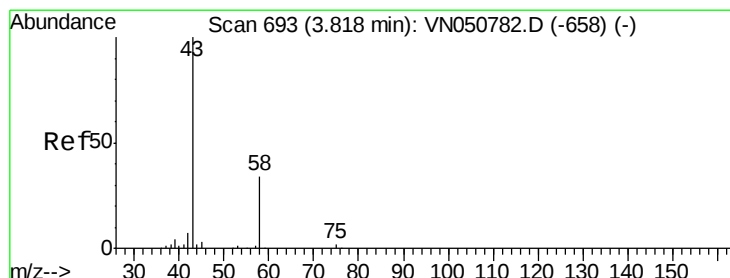
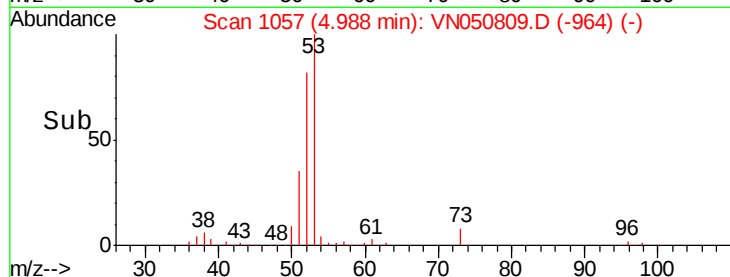
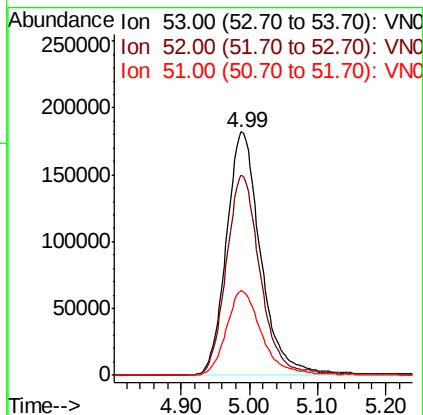
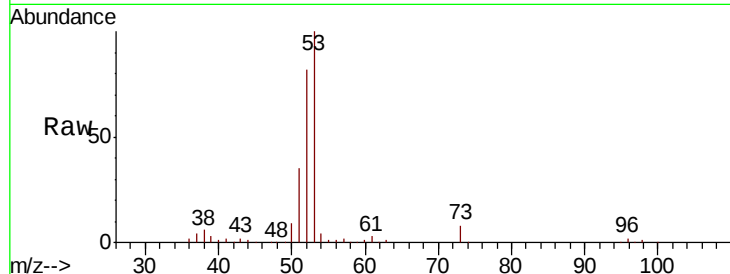
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	636453
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.9	98.9
51	36.0	28.6	43.0

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#16

Acetone

Concen: 266.19 ug/l

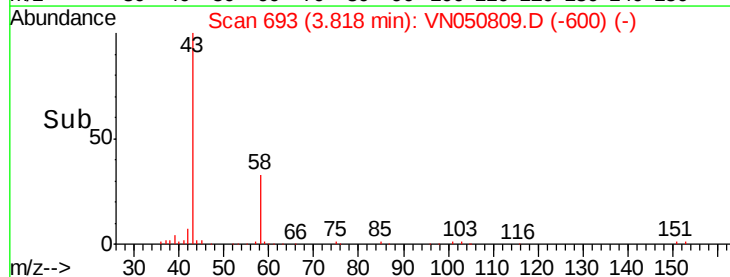
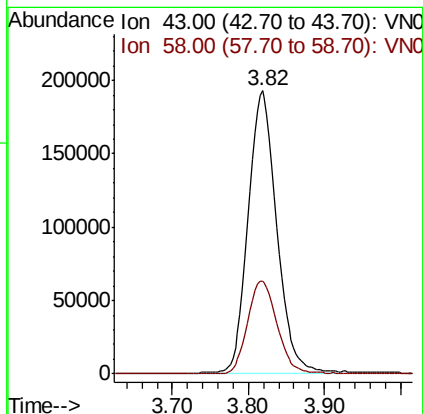
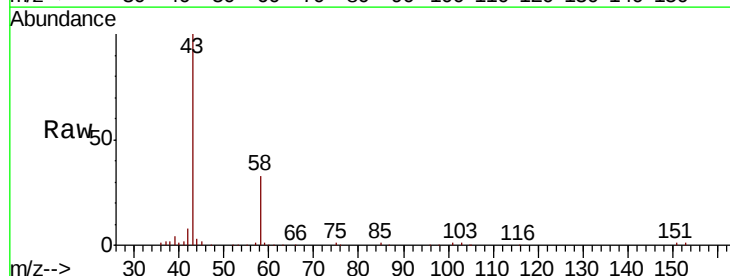
RT: 3.82 min Scan# 693

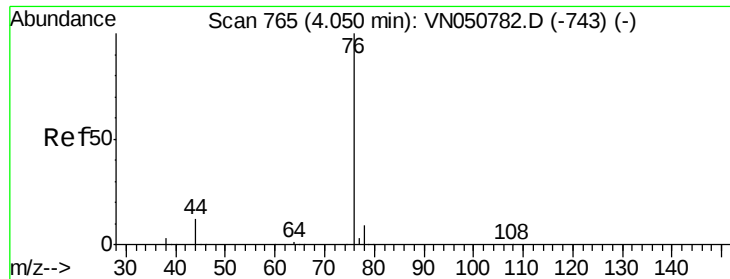
Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion:	43	Resp:	505720
Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.2	40.8





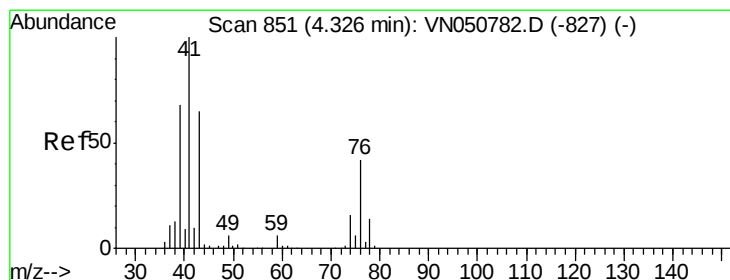
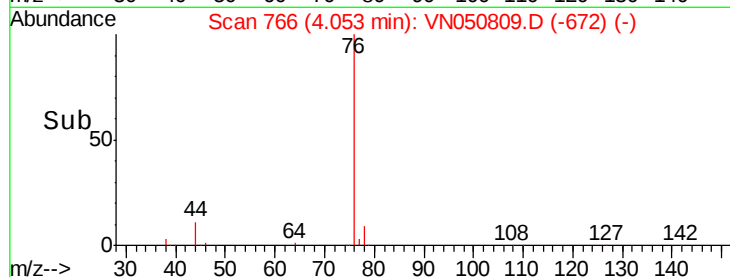
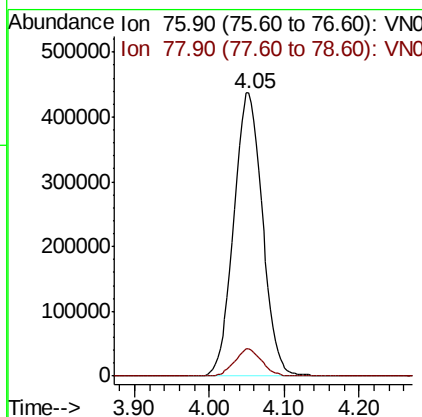
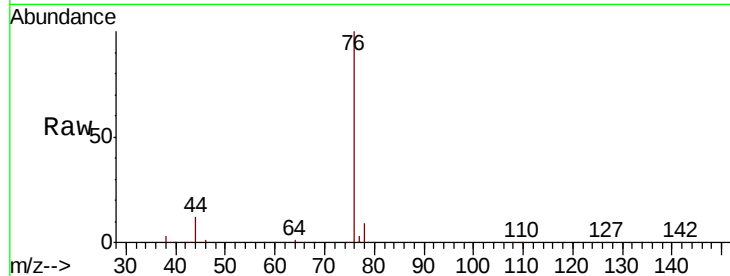
#17
Carbon Disulfide
Concen: 46.45 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1167434
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

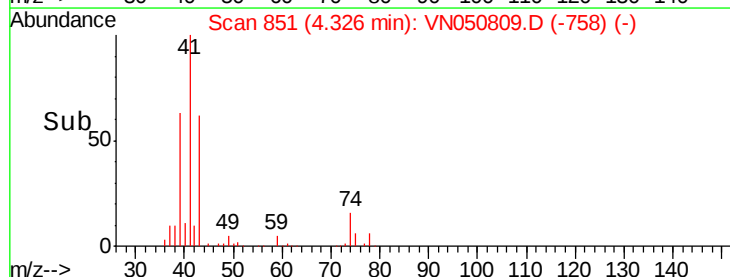
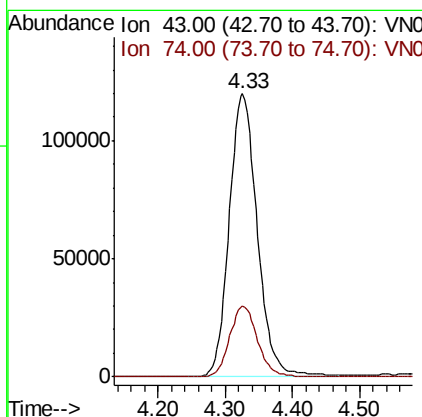
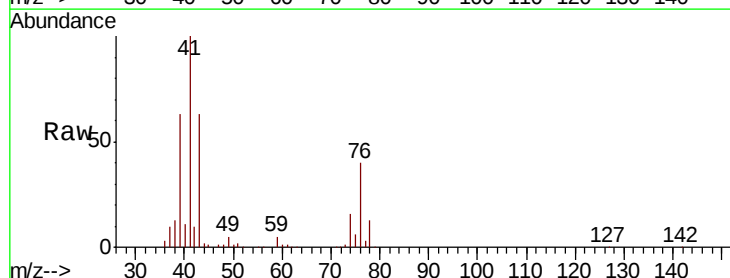
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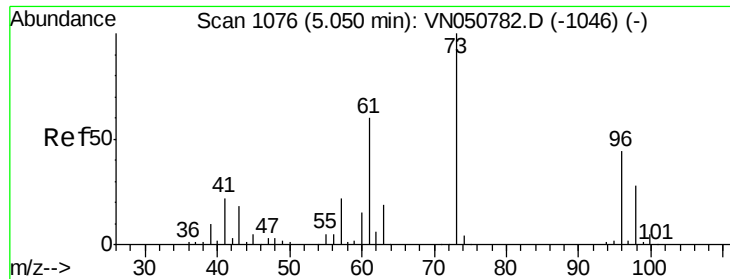
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#18
Methyl Acetate
Concen: 45.54 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 43 Resp: 345604
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.8





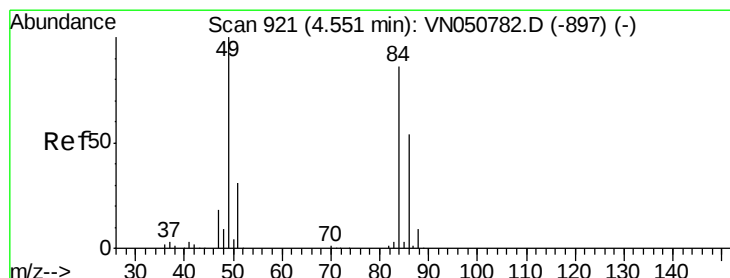
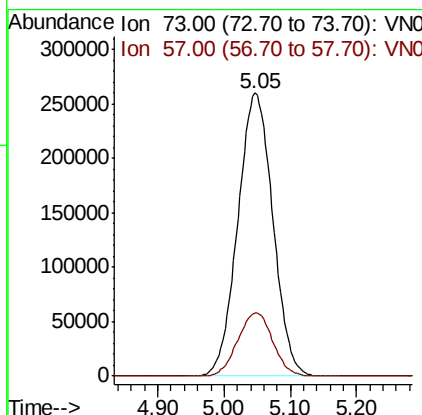
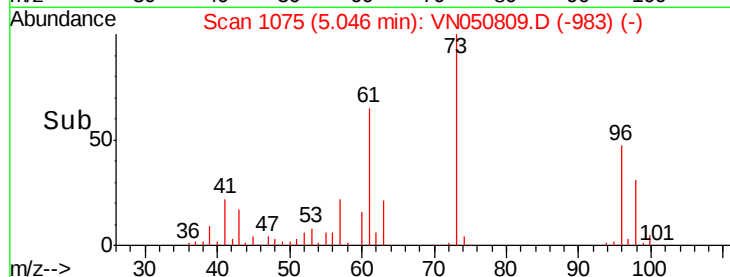
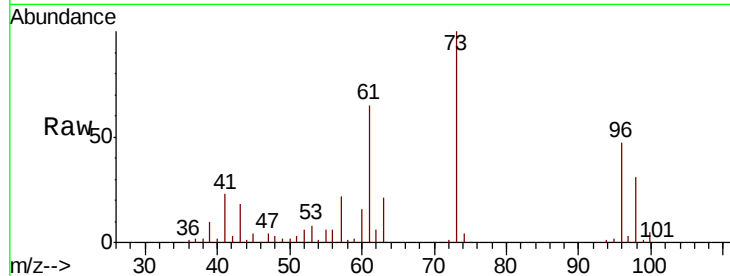
#19
Methyl tert-butyl Ether
Concen: 50.55 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8

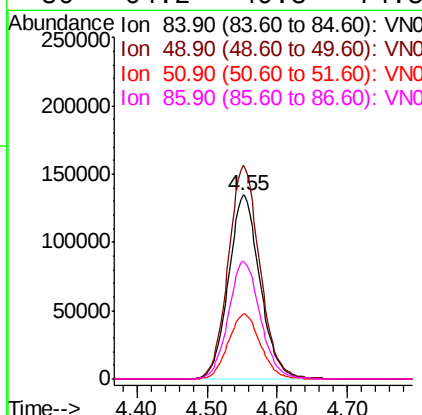
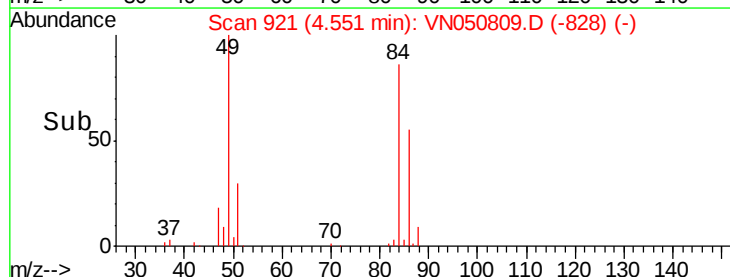
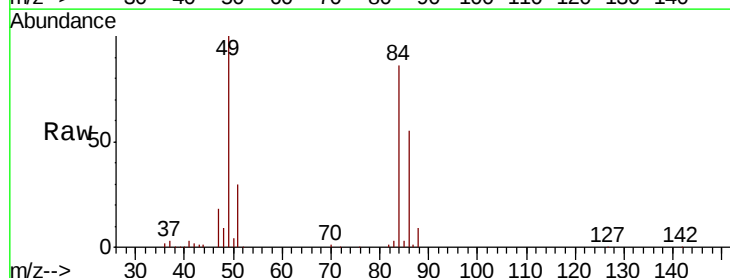
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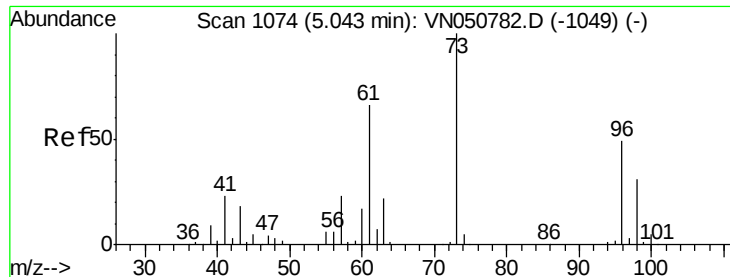
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#20
Methylene Chloride
Concen: 46.40 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.1	93.2	139.8
51	35.2	29.0	43.6
86	64.2	49.8	74.8





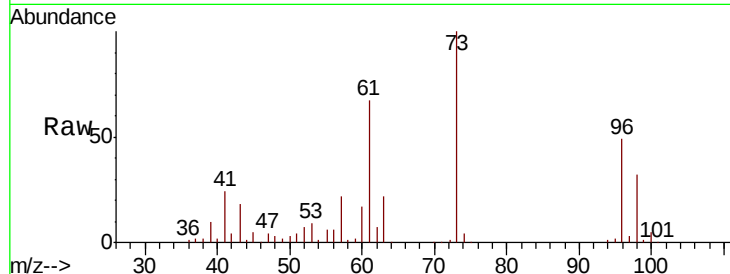
#21
trans-1,2-Dichloroethene
Concen: 49.22 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.6	107.4	161.0
98	65.3	50.7	76.1

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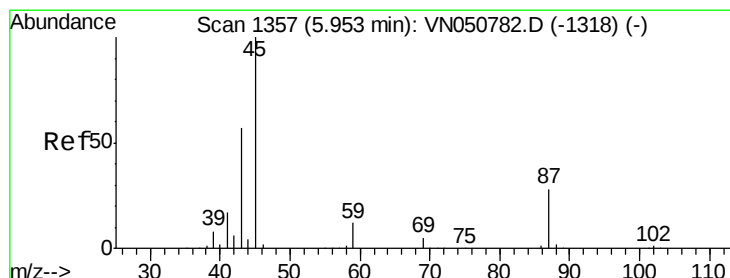
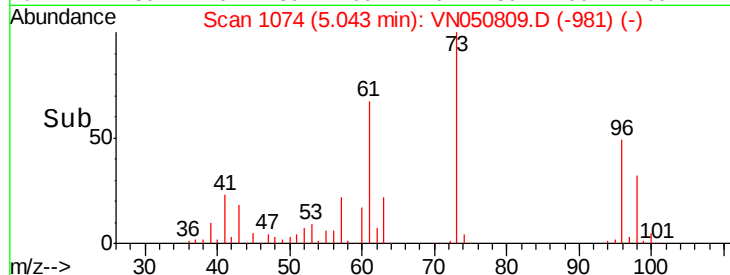
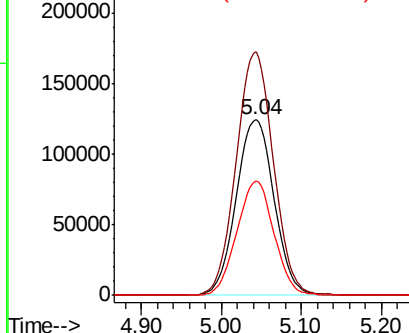


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 51.66 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.9	68.9
87	28.5	22.7	34.1
59	12.6	9.3	13.9

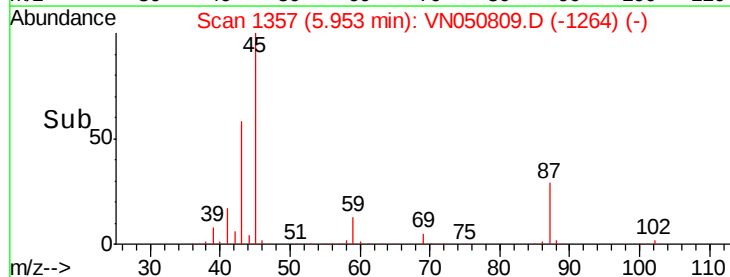
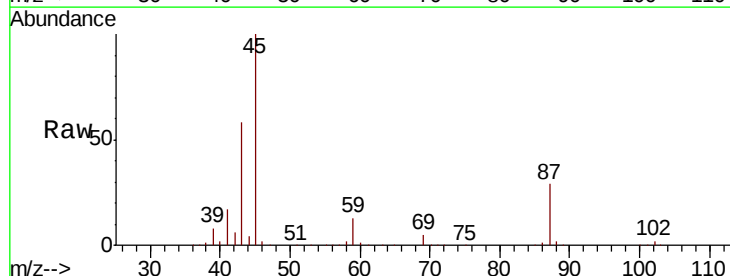
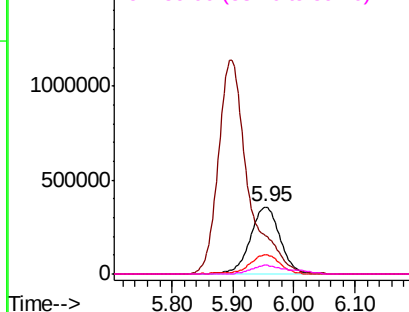
Abundance

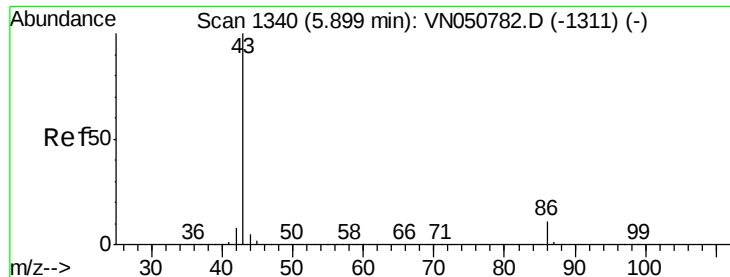
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





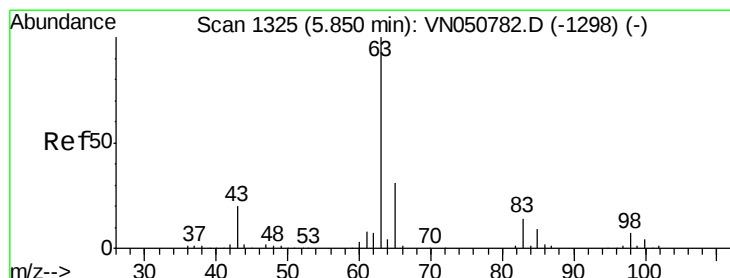
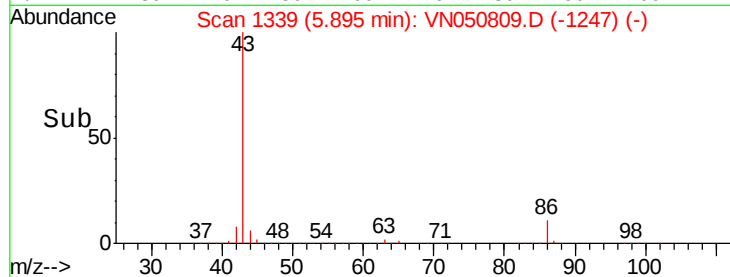
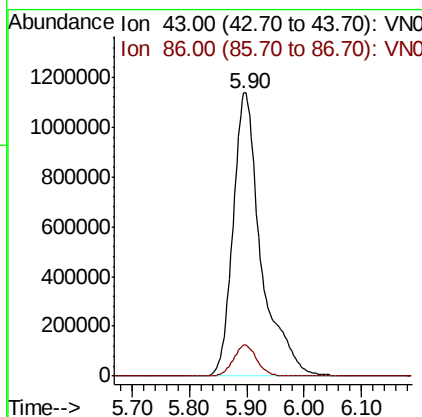
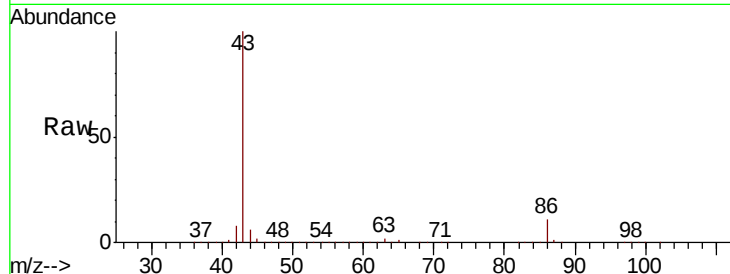
#23
 Vinyl Acetate
 Concen: 257.32 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3858518
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.7 13.1

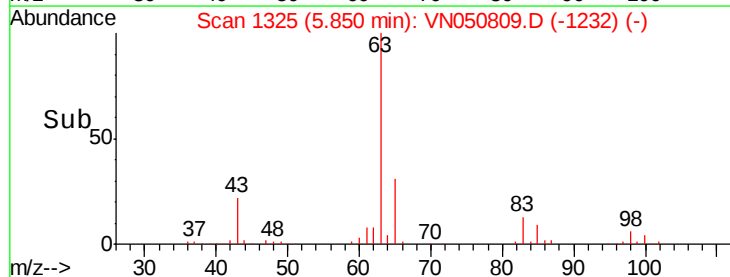
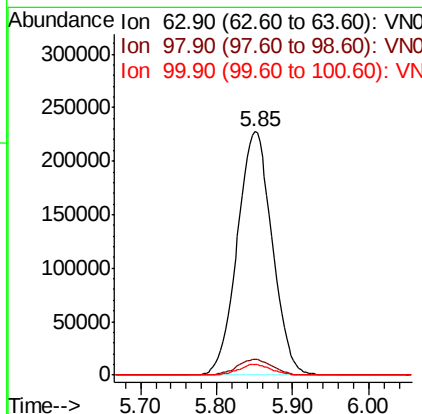
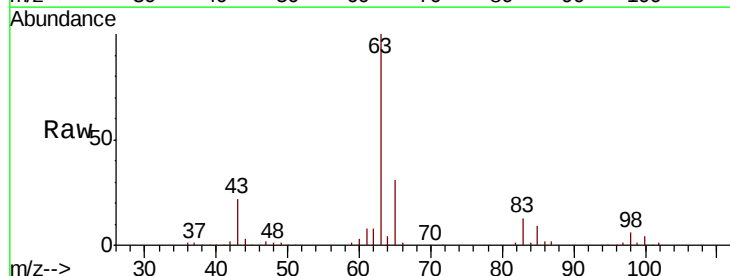
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 48.49 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 63 Resp: 724861
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.4 2.1 6.5





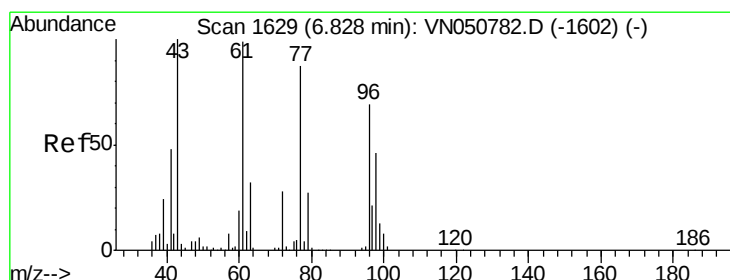
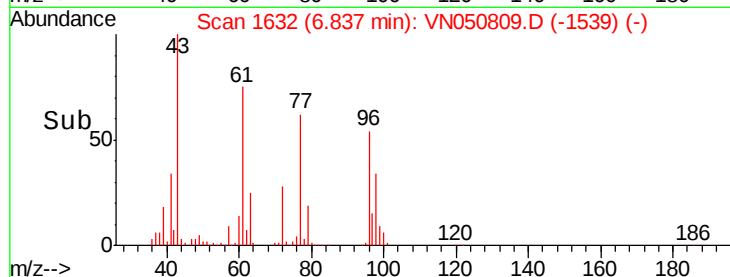
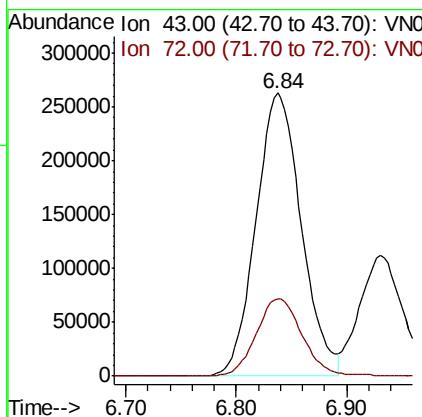
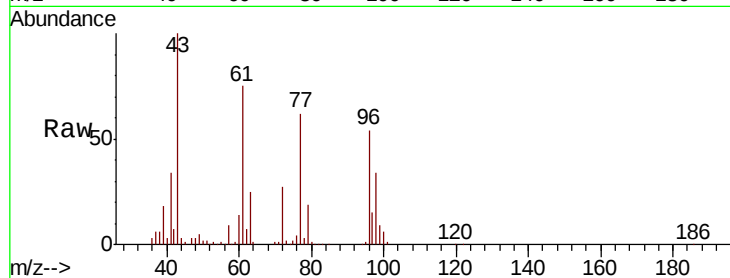
#25
 2-Butanone
 Concen: 230.55 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 746700
 Ion Ratio Lower Upper
 43 100
 72 27.5 22.3 33.5

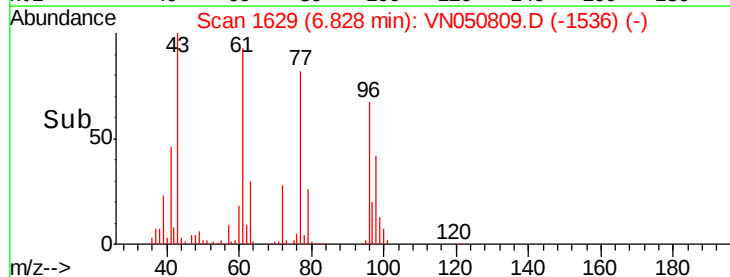
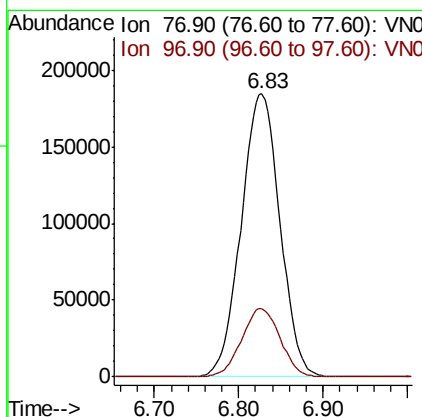
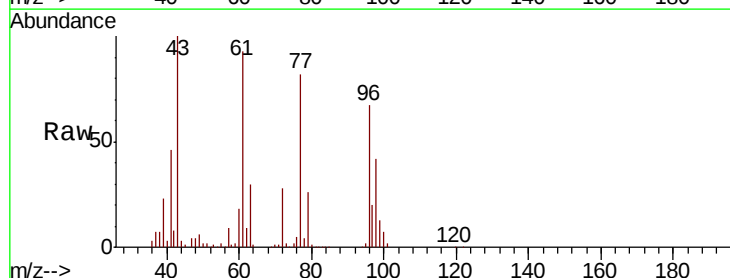
Manual Integrations
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 8/23/2018 10:52:25 AM



#26
 2,2-Dichloropropane
 Concen: 49.02 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 77 Resp: 588771
 Ion Ratio Lower Upper
 77 100
 97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 49.55 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

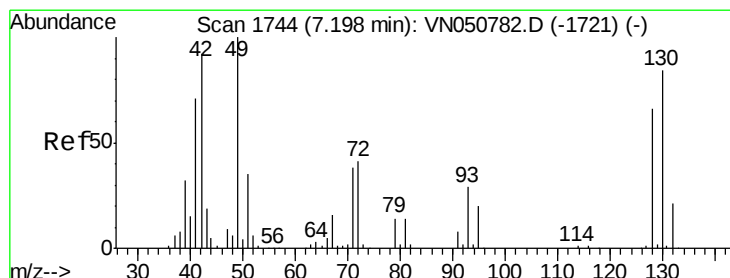
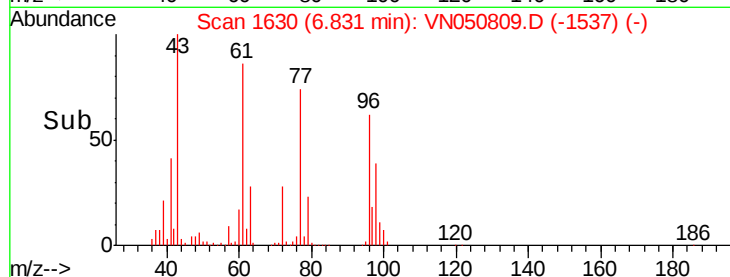
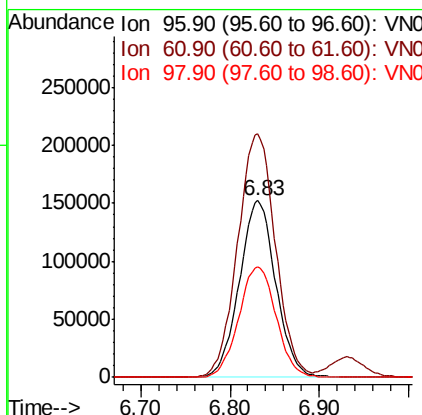
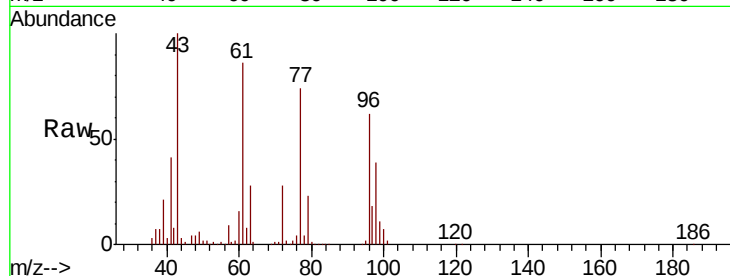
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	433182
Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	283.4
98	64.3	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 48.95 ug/l

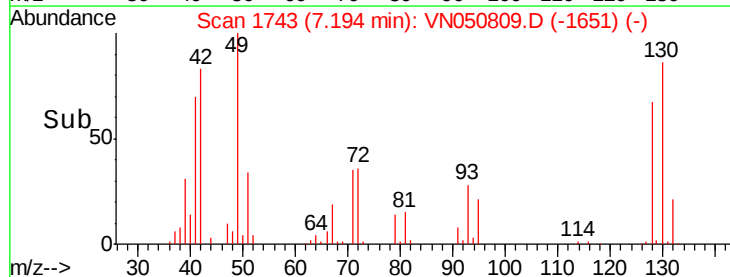
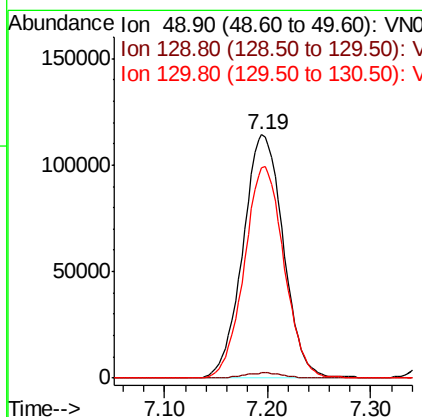
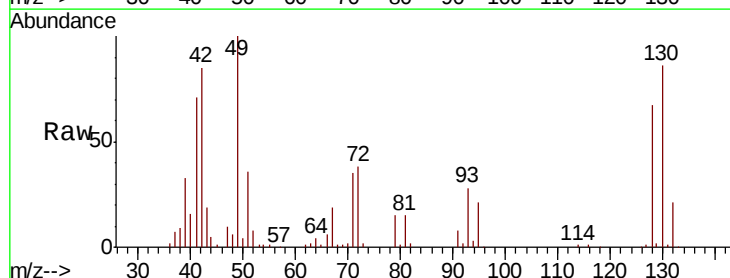
RT: 7.19 min Scan# 1743

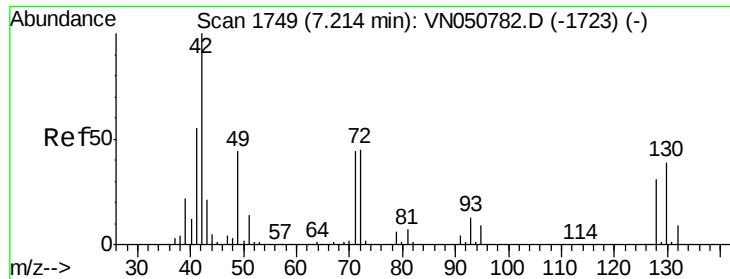
Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion:	49	Resp:	310950
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.3	67.1	100.7





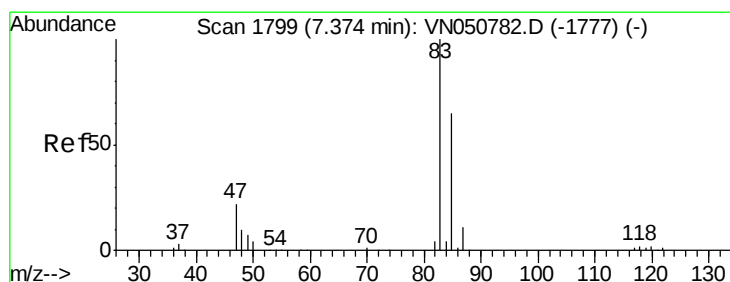
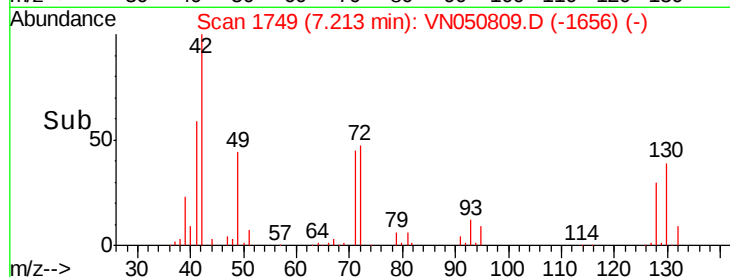
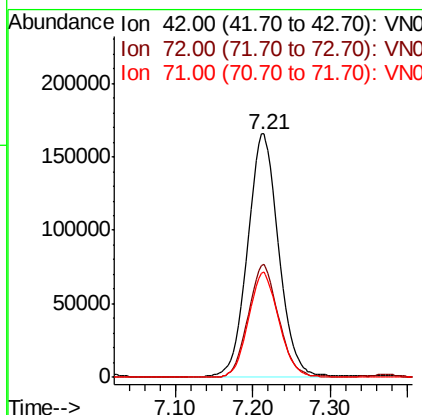
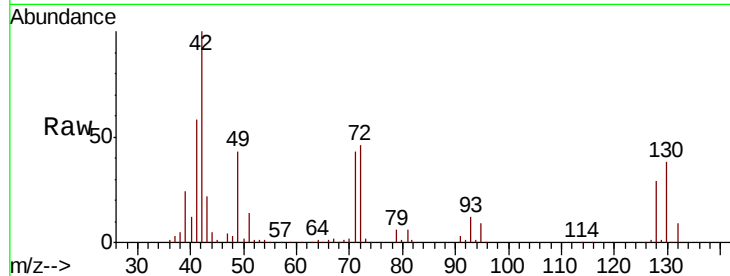
#29
Tetrahydrofuran
Concen: 250.44 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.5	53.3
71	42.4	33.7	50.5

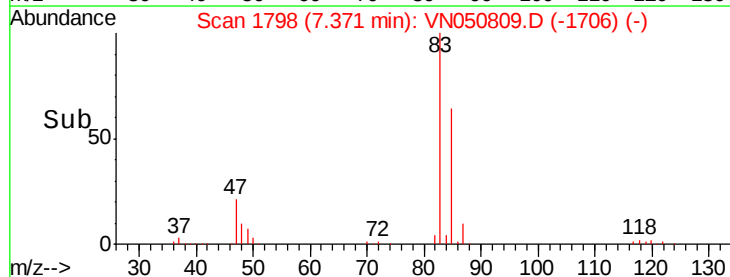
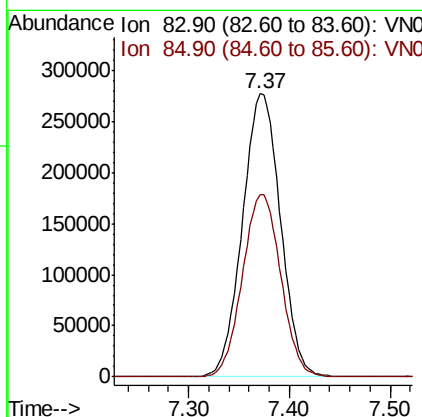
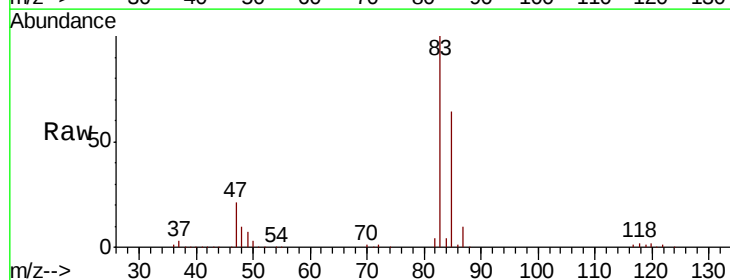
Manual Integrations
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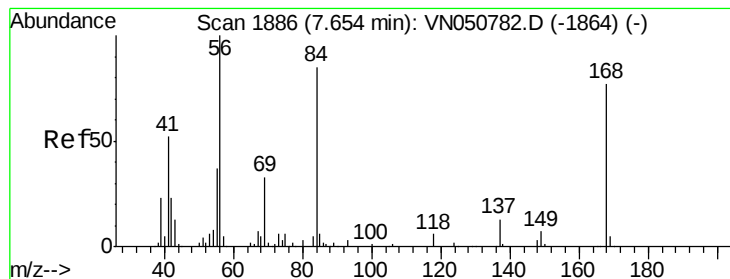
MMDadoda
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#30
Chloroform
Concen: 48.91 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4





#31

Cyclohexane

Concen: 48.88 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

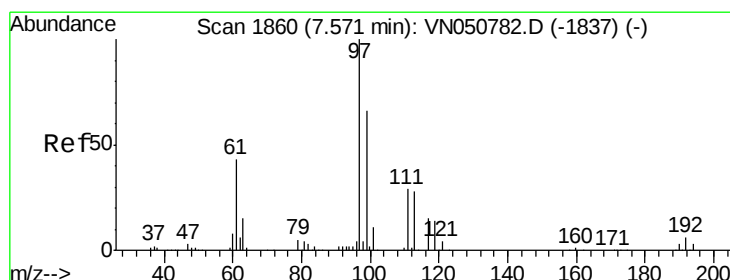
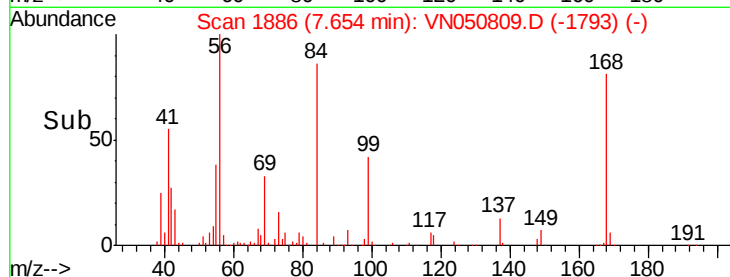
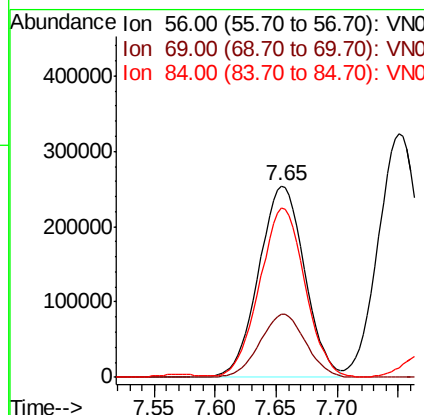
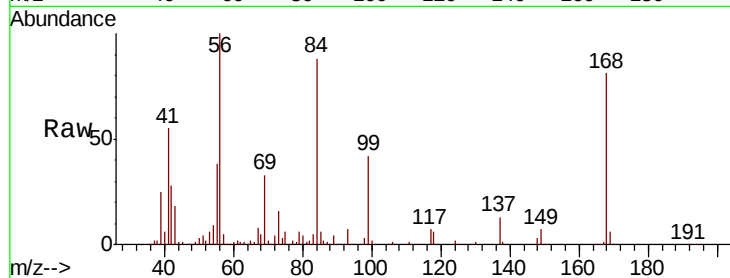
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	663885
Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.2	39.4
84	86.9	68.3	102.5

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#32

1,1,1-Trichloroethane

Concen: 49.32 ug/l

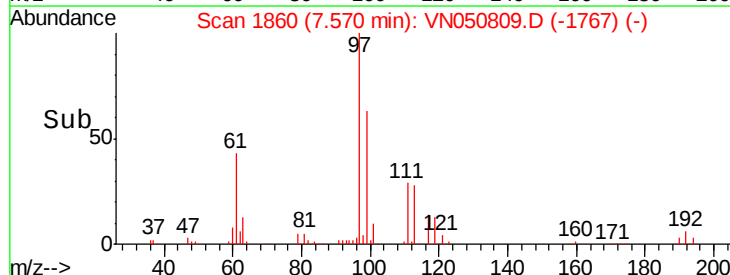
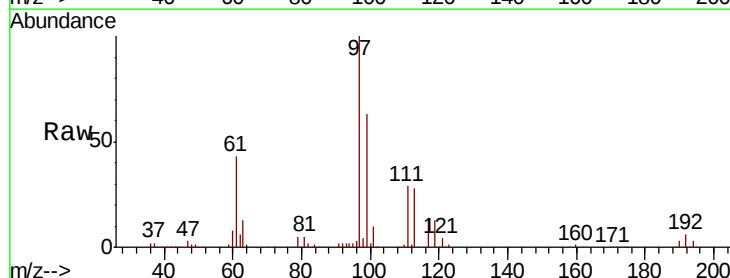
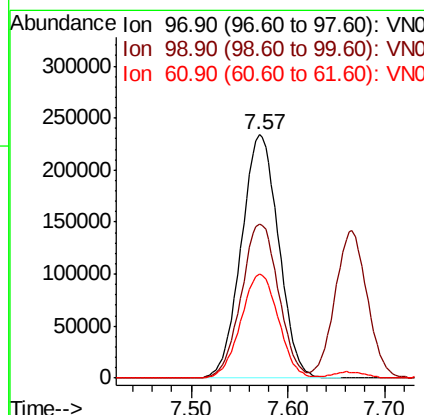
RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion:	97	Resp:	627077
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	43.1	34.9	52.3





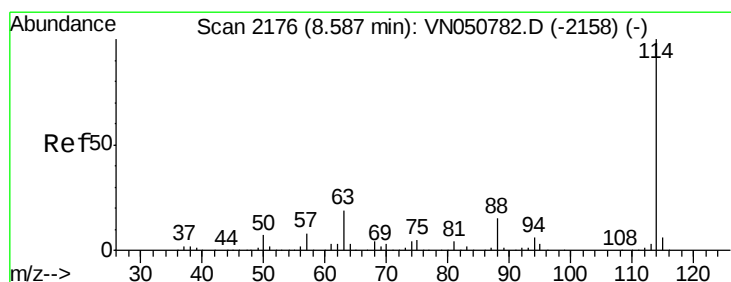
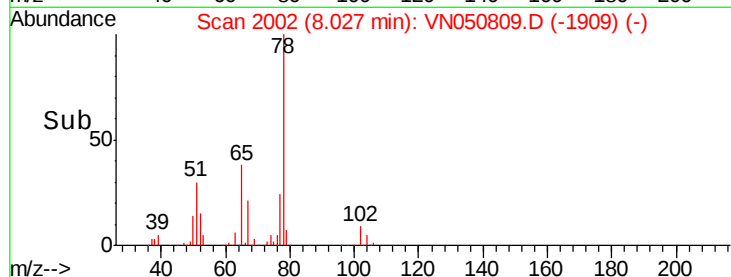
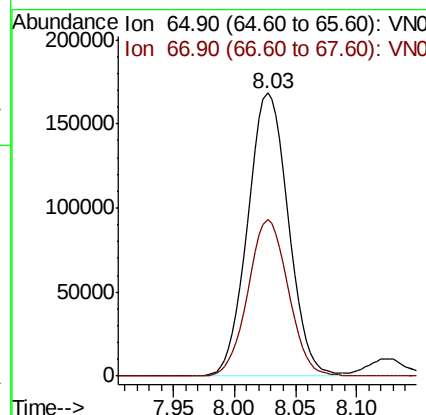
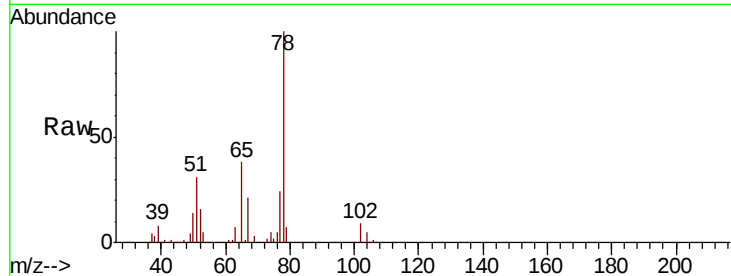
#33
 1,2-Dichloroethane-d4
 Concen: 48.27 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	387948		
67	54.7	0.0	110.4	

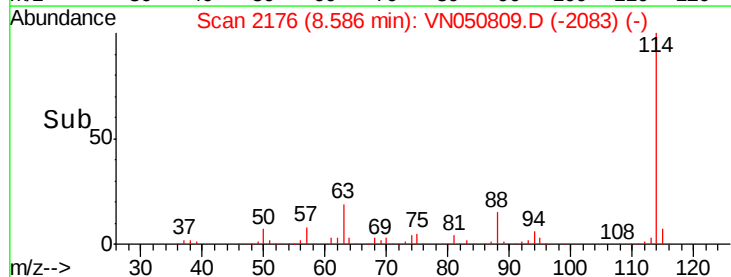
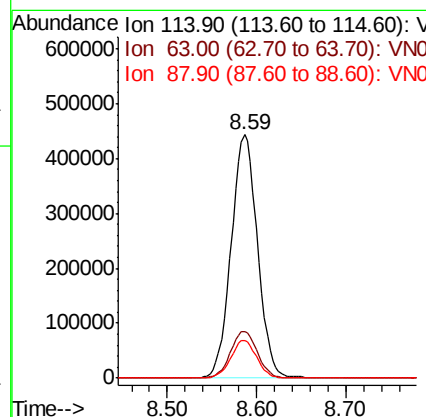
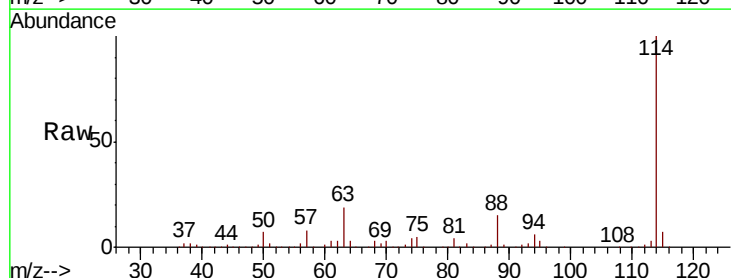
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	906765		
63	19.3	0.0	38.6	
88	15.4	0.0	30.6	





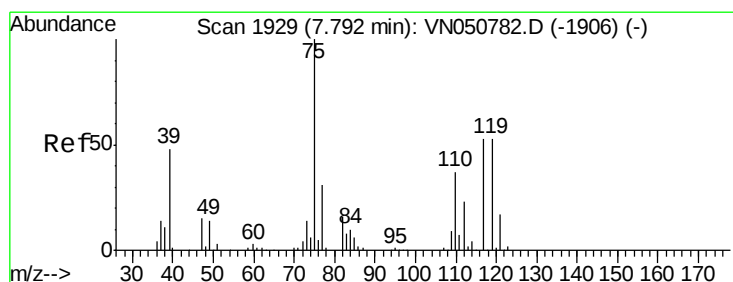
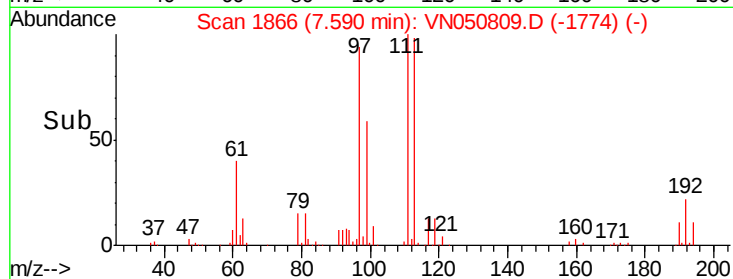
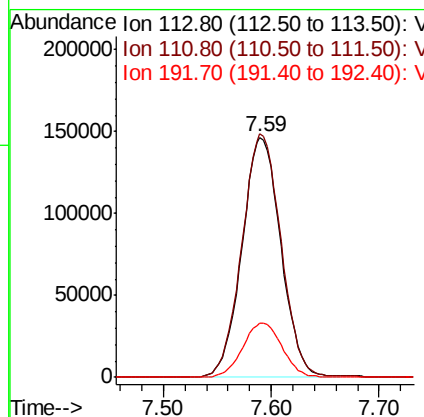
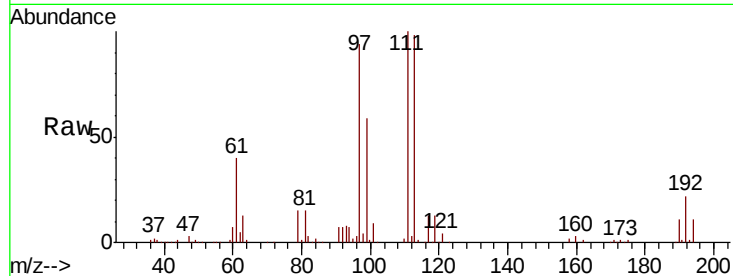
#35
 Dibromofluoromethane
 Concen: 50.79 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.6	123.8	
192	23.0	18.0	27.0	

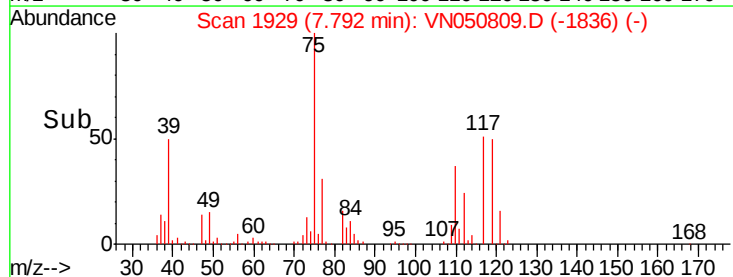
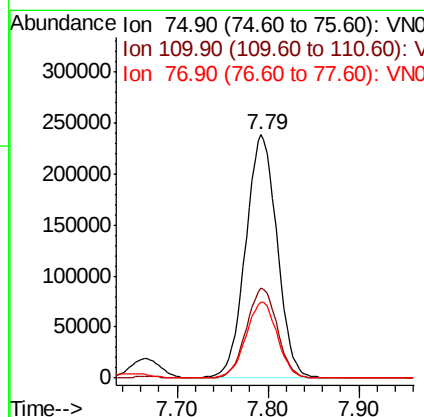
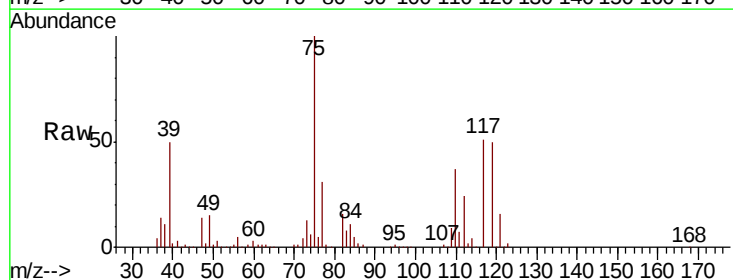
Manual Integrations
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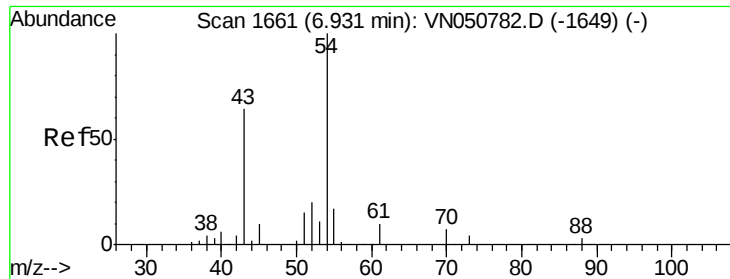
MMDadoda
 8/23/2018 10:52:25 AM



#36
 1,1-Dichloropropene
 Concen: 53.37 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.1	54.4	
77	31.6	24.8	37.2	





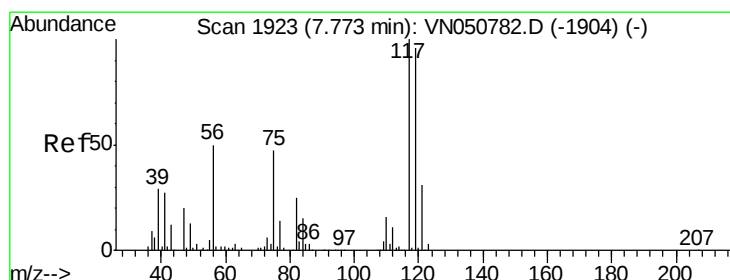
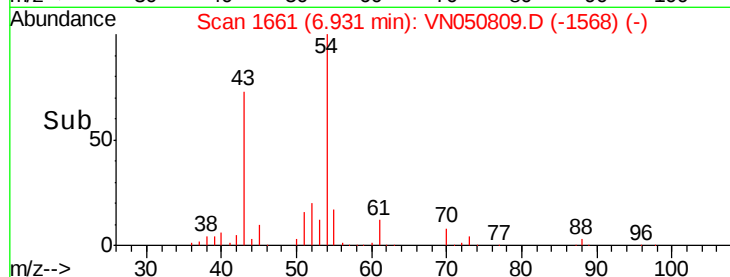
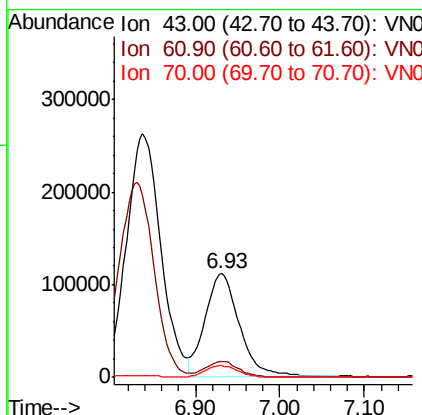
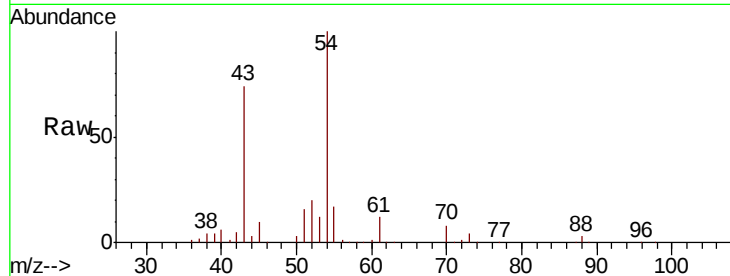
#37
Ethyl Acetate
Concen: 51.19 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	11.0	8.6	13.0

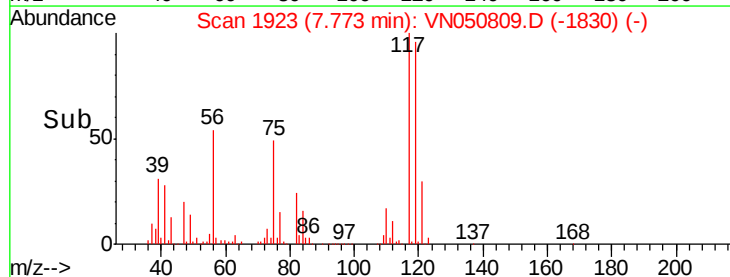
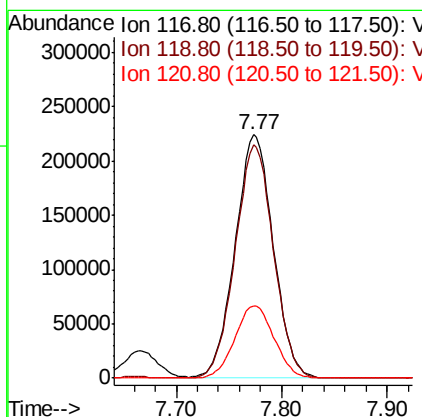
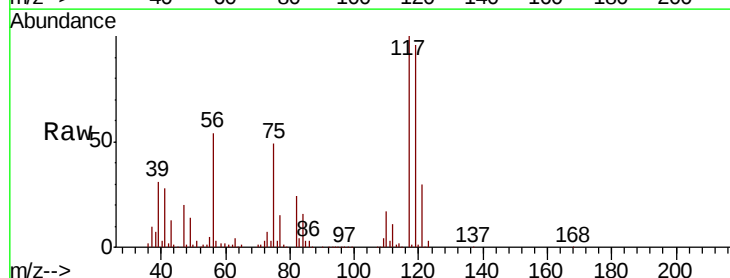
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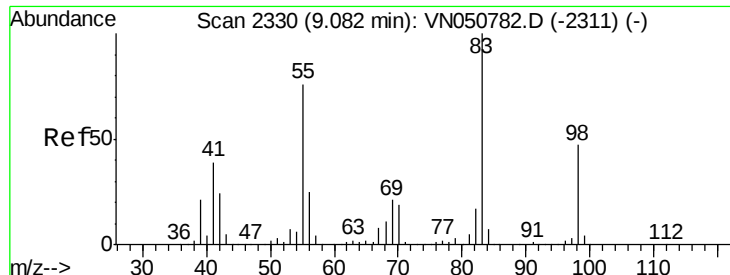
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#38
Carbon Tetrachloride
Concen: 51.98 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.3	114.5
121	29.8	24.6	36.8





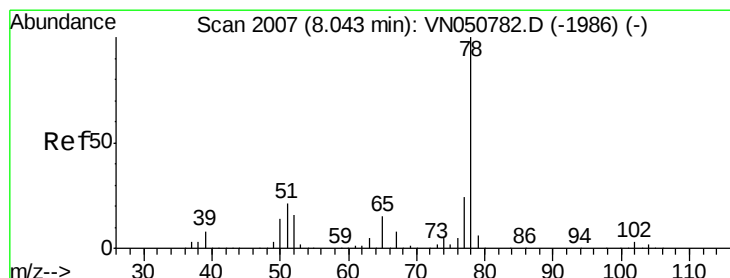
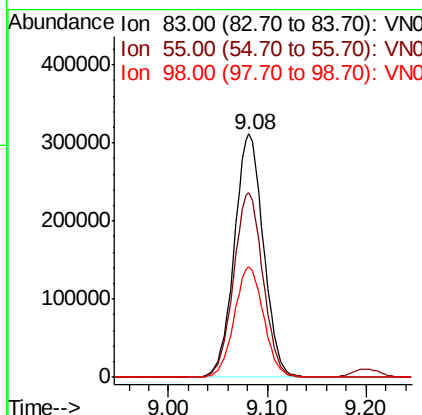
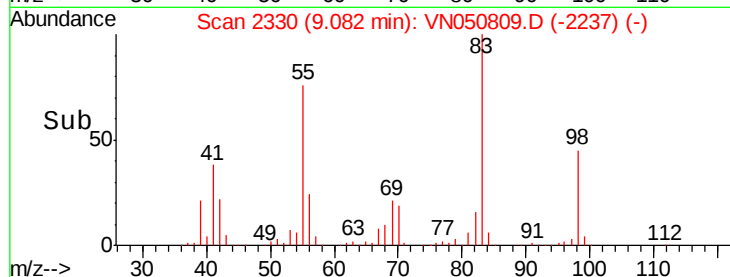
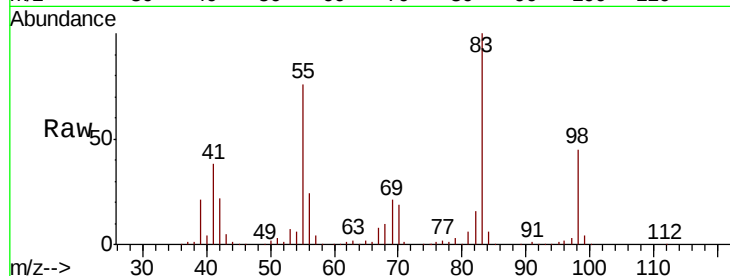
#39
Methvlcvclohexane
Concen: 54.95 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.0	91.4
98	45.4	37.5	56.3

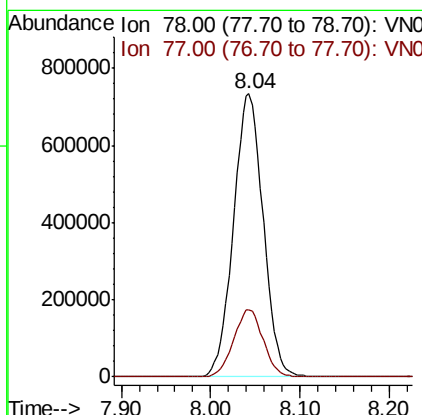
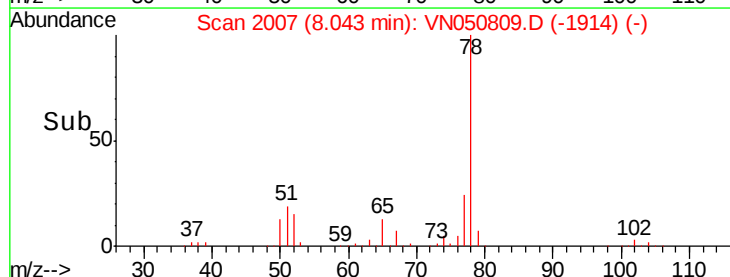
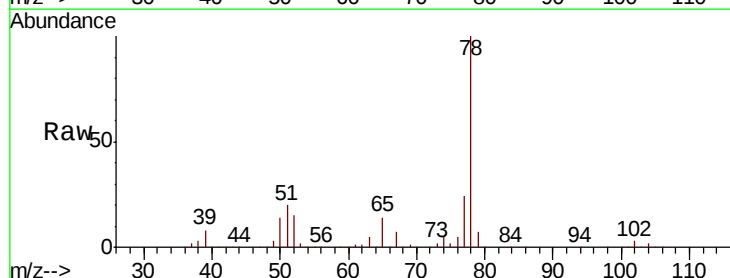
Manual Integrations
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#40
Benzene
Concen: 52.53 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





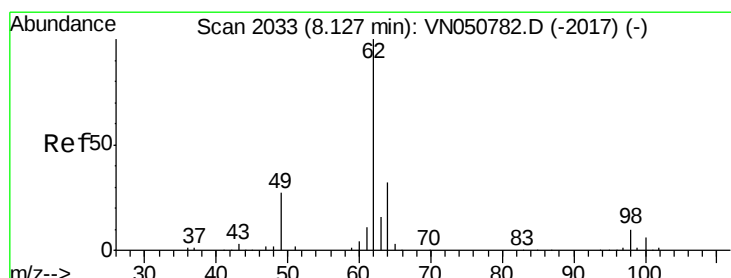
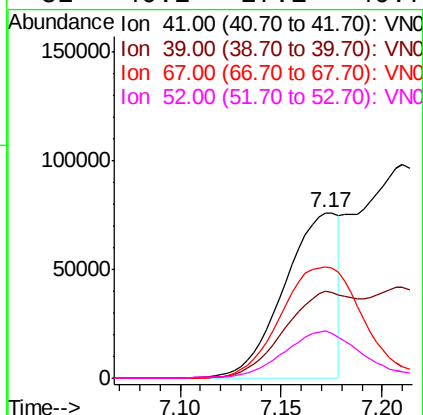
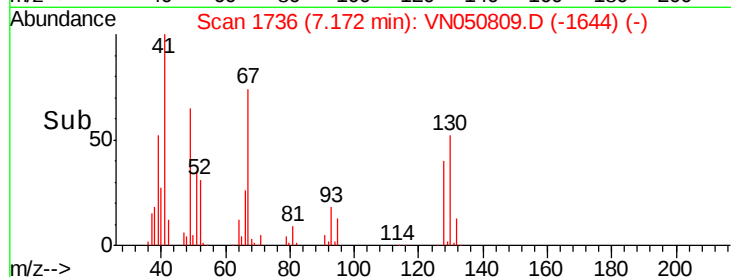
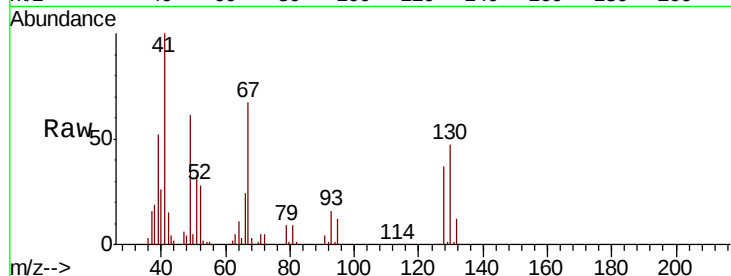
#41
Methacrylonitrile
Concen: 42.36 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.6	45.4	68.0#
67	103.8	70.6	106.0
52	40.2	27.1	40.7

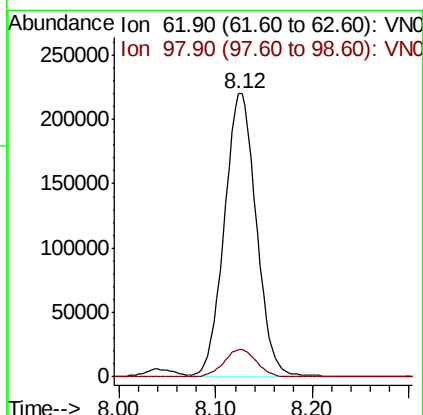
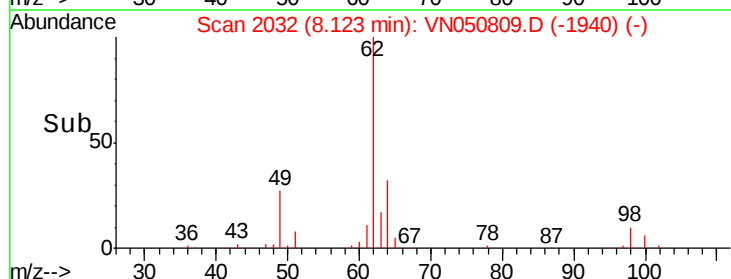
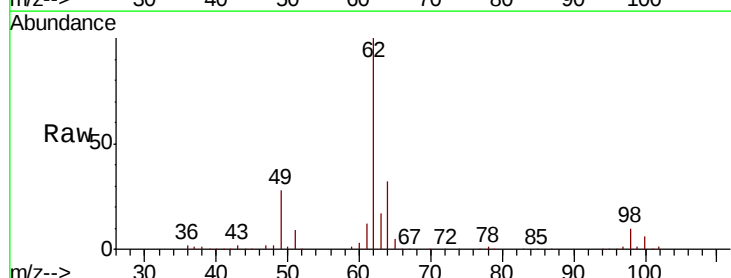
Manual Integrations
APPROVED

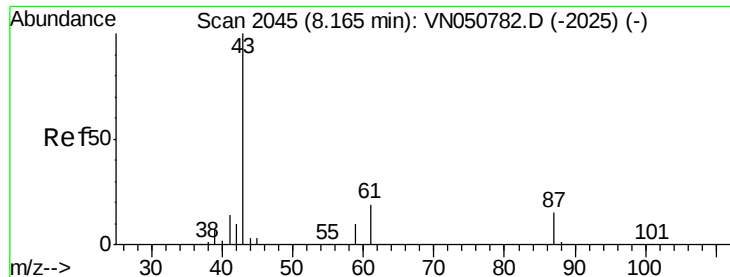
MMDadoda
8/23/2018 10:52:25 AM



#42
1,2-Dichloroethane
Concen: 52.15 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6





#43

Isopropyl Acetate

Concen: 52.94 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

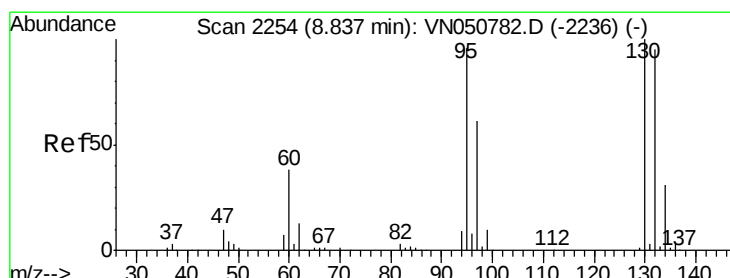
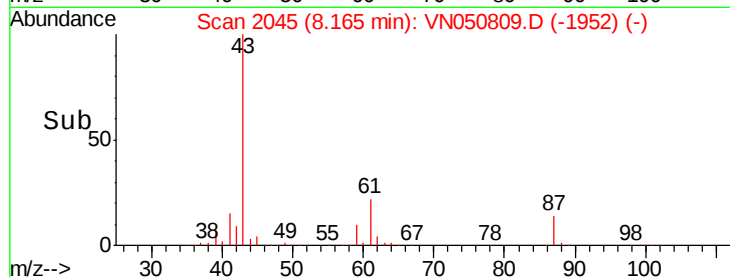
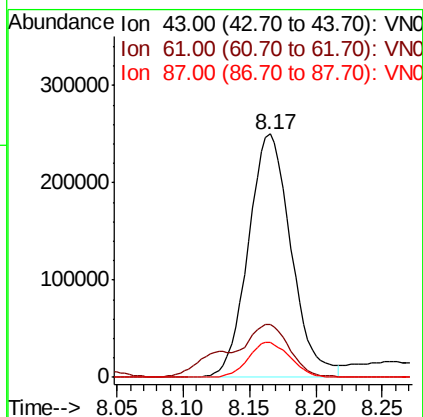
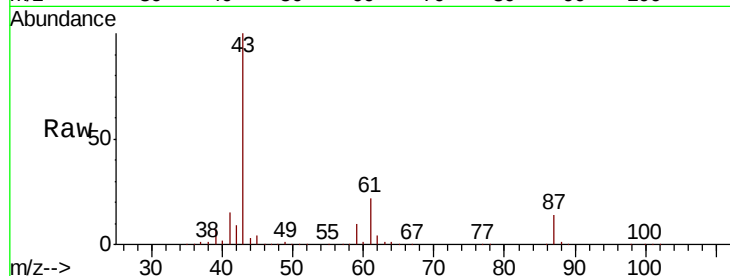
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	559473
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.5	26.3
87	14.1	11.3	16.9

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#44

Trichloroethene

Concen: 52.18 ug/l

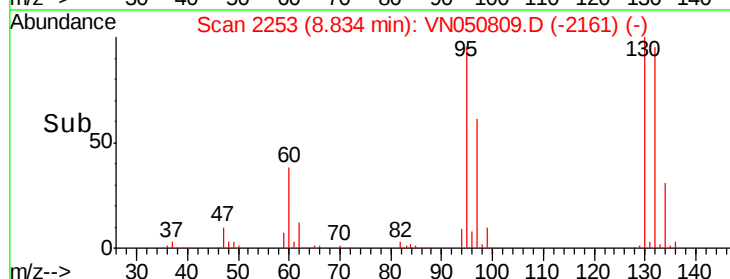
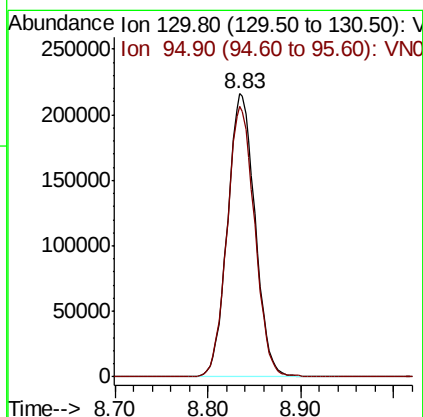
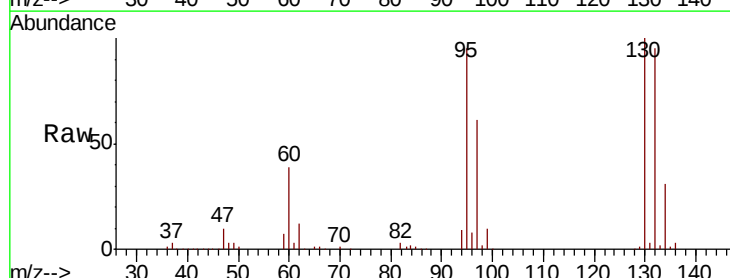
RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion:	130	Resp:	444012
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	193.0





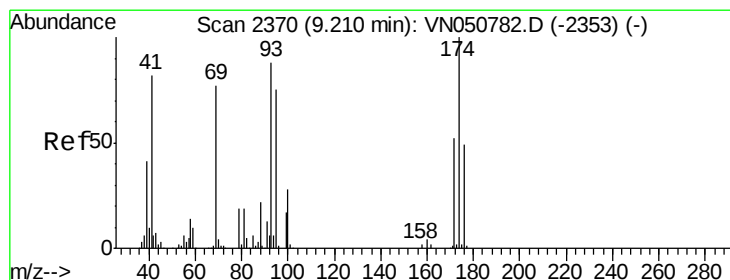
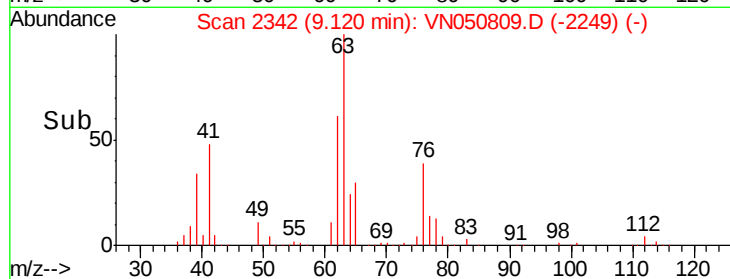
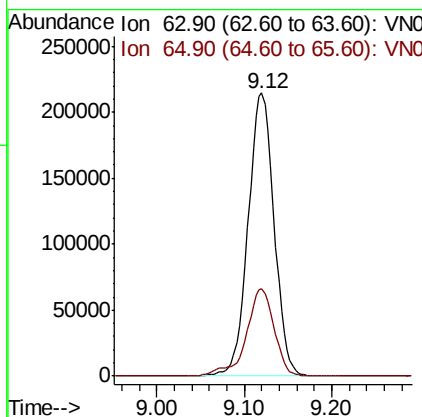
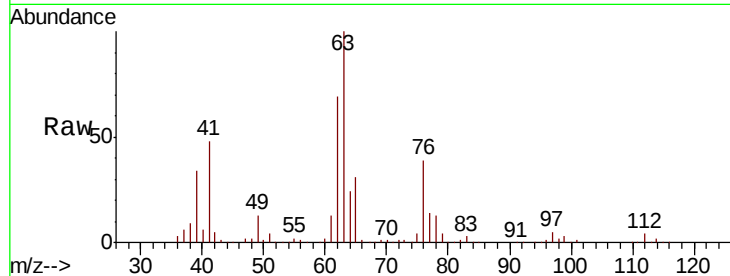
#45
 1,2-Dichloropropane
 Concen: 52.19 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 442592
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

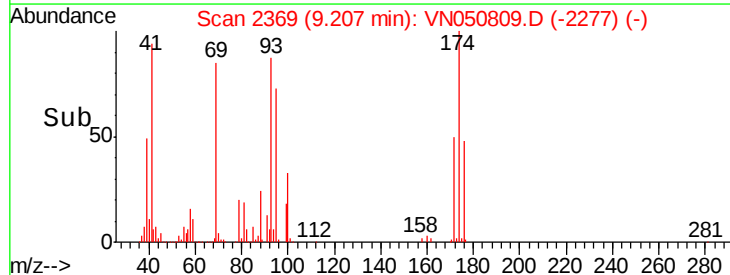
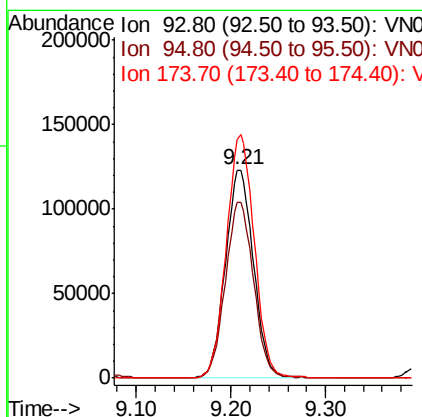
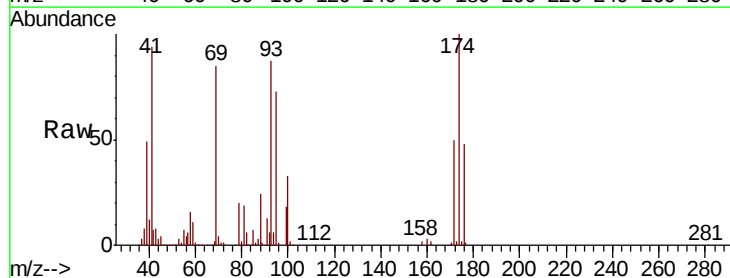
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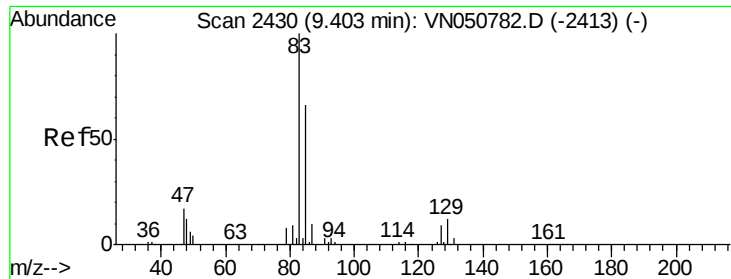
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#46
 Dibromomethane
 Concen: 51.18 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 93 Resp: 255009
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 115.7 89.8 134.6





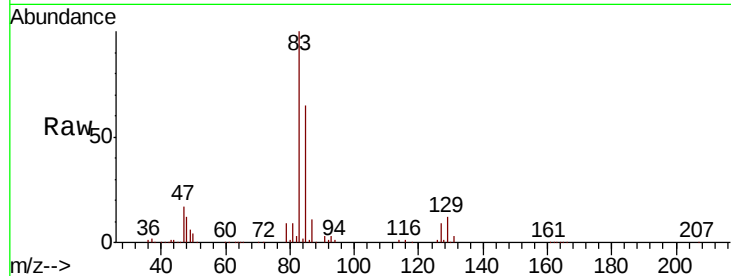
#47
Bromodichloromethane
Concen: 52.65 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

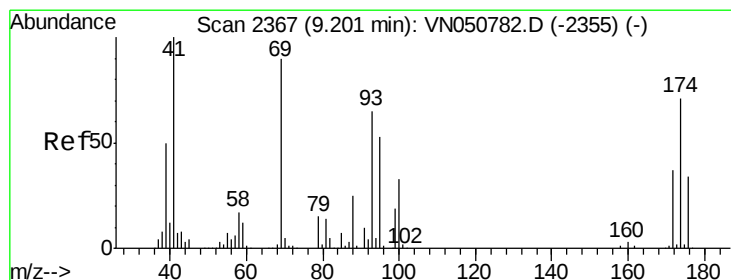
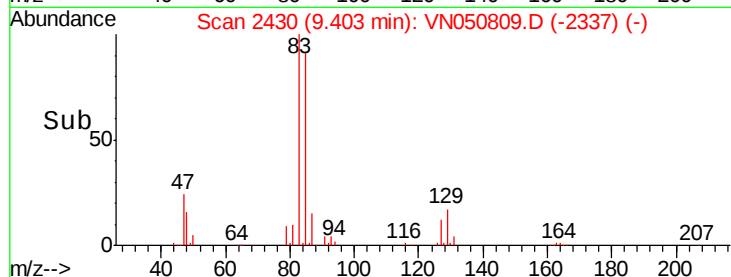
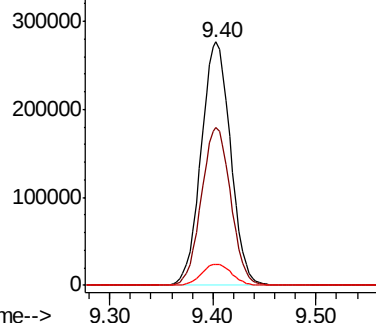
Tot Ion	Ratio	Resp	Lower	Upper
83	100	549512		
85	64.8		52.6	78.8
127	8.7		7.2	10.8

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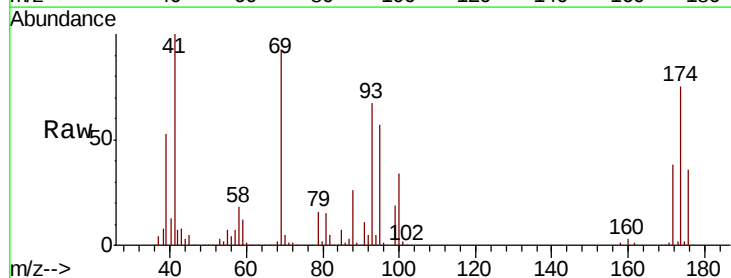


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

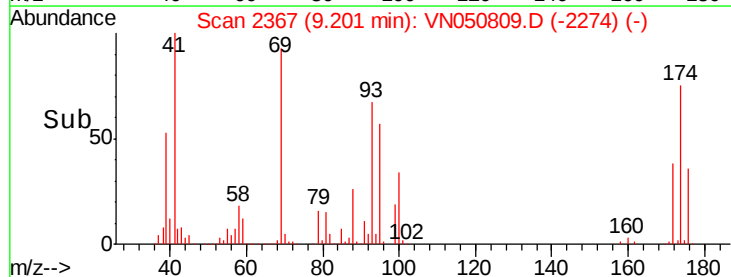
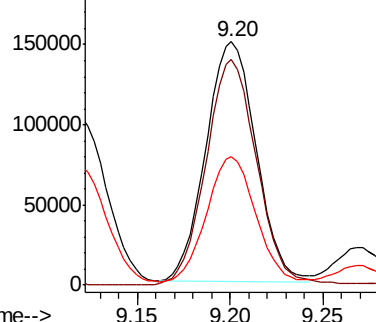


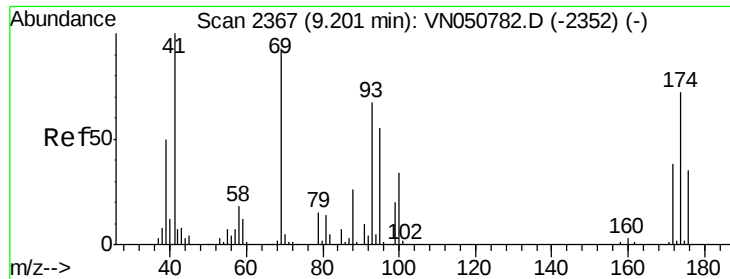
#48
Methyl methacrylate
Concen: 52.44 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	282417		
69	95.8		74.7	112.1
39	53.2		42.2	63.2



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1061.67 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050809.D

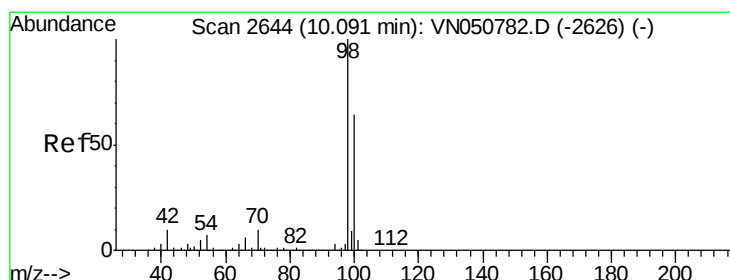
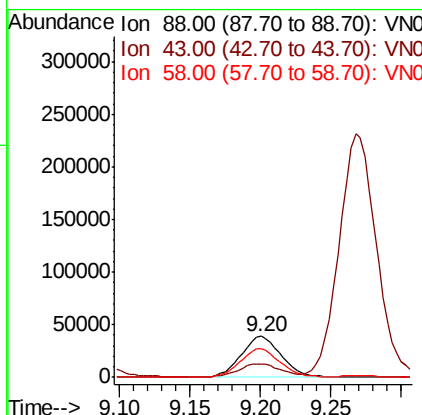
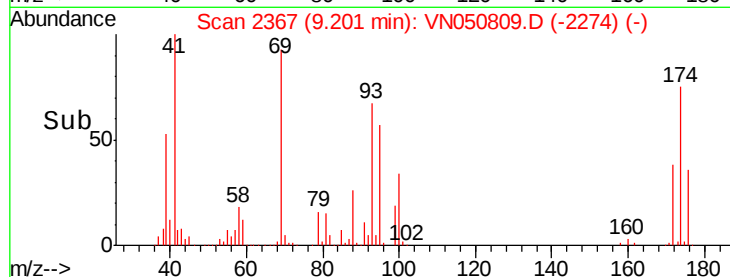
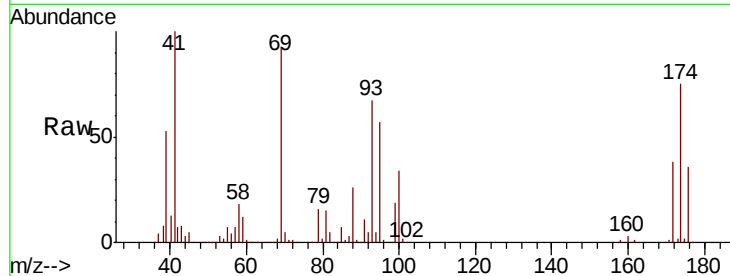
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	88	Resp:	77951
Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.9	38.9
58	69.4	55.0	82.4

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#50

Toluene-d8

Concen: 52.45 ug/l

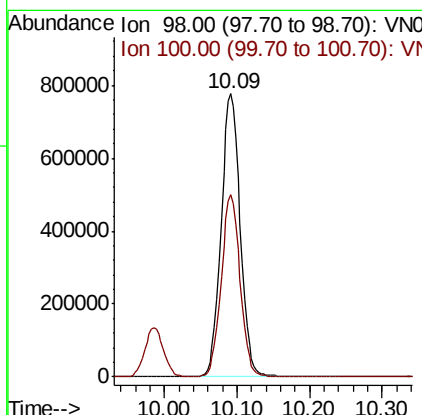
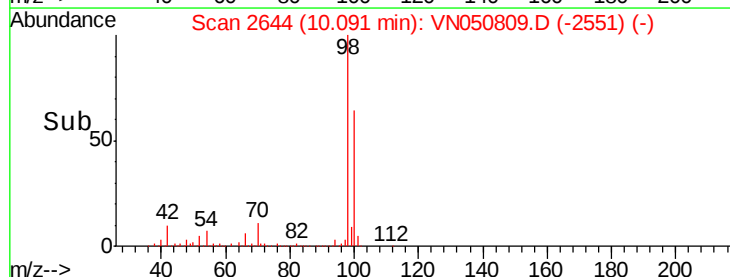
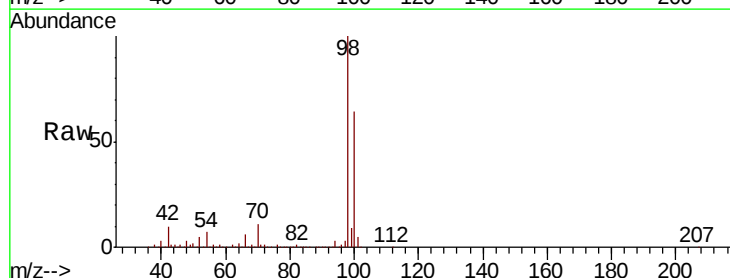
RT: 10.09 min Scan# 2644

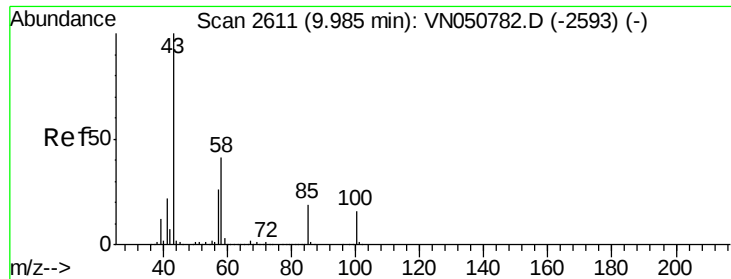
Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion:	98	Resp:	1414494
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3





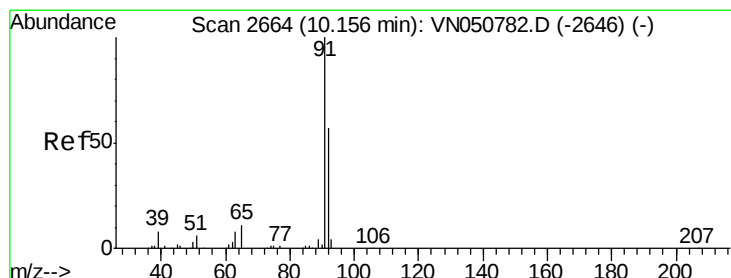
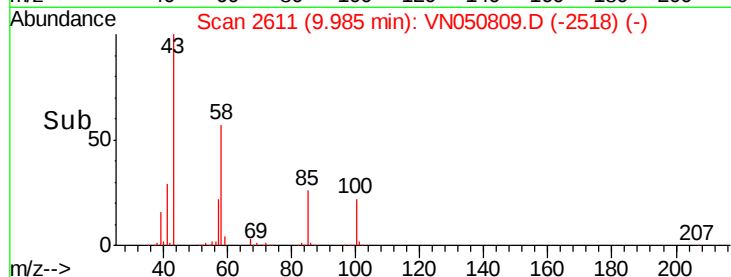
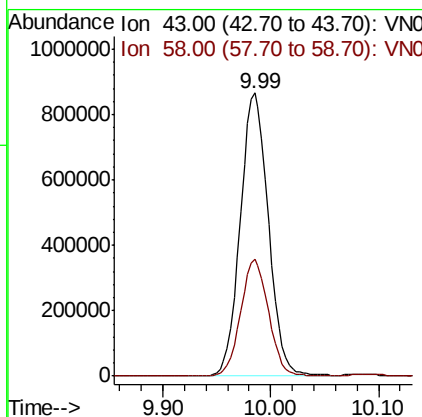
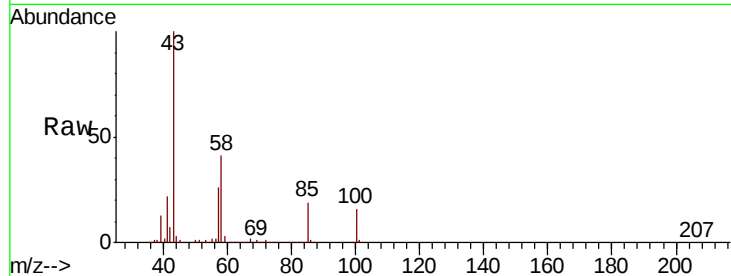
#51
4-Methyl-2-Pentanone
Concen: 249.06 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1570707
Ion Ratio Lower Upper
43 100
58 40.9 32.4 48.6

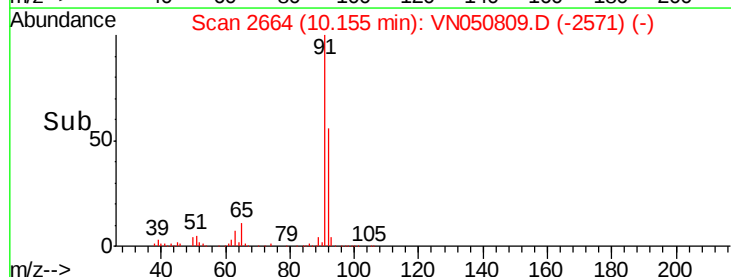
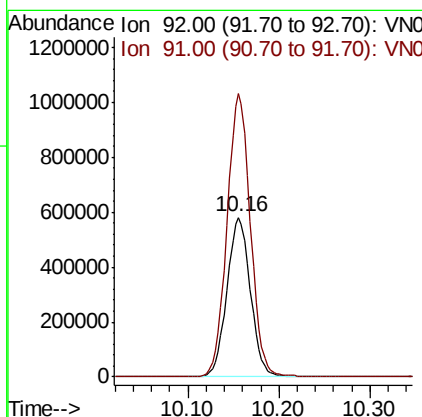
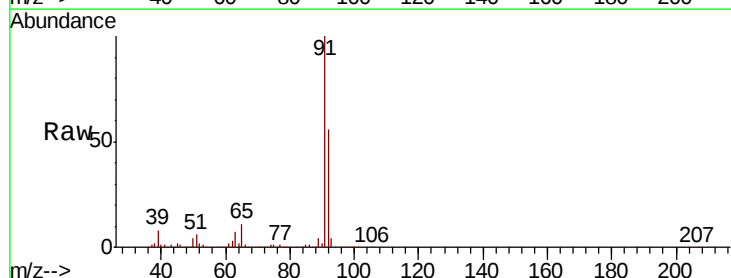
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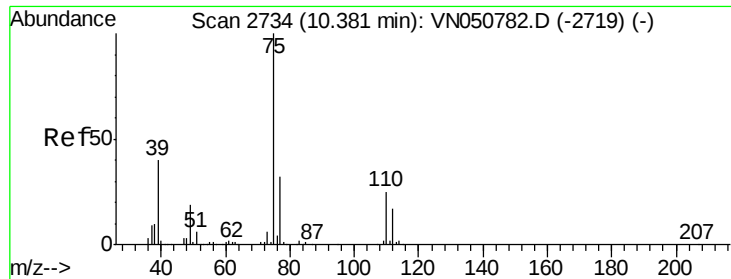
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#52
Toluene
Concen: 54.47 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 92 Resp: 1041130
Ion Ratio Lower Upper
92 100
91 176.8 140.6 211.0





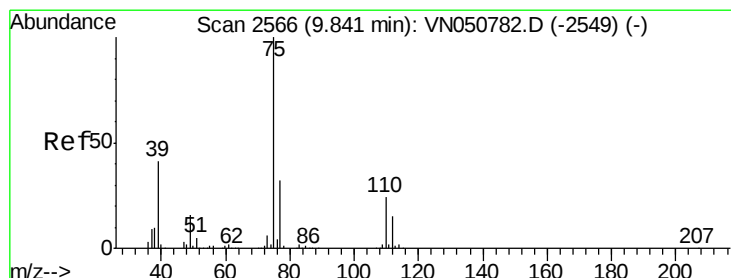
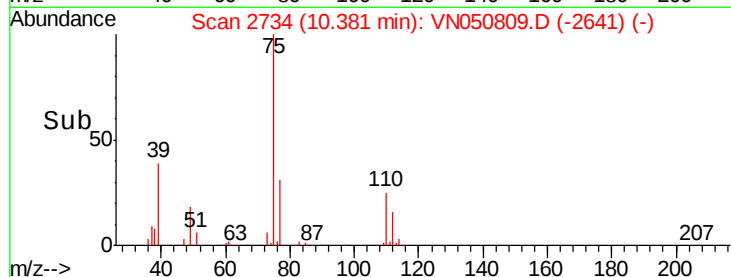
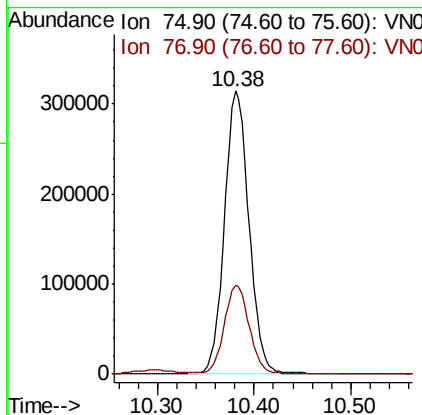
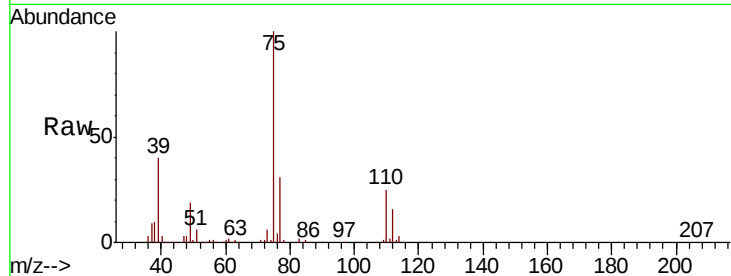
#53
t-1,3-Dichloropropene
Concen: 53.28 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 553447
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5

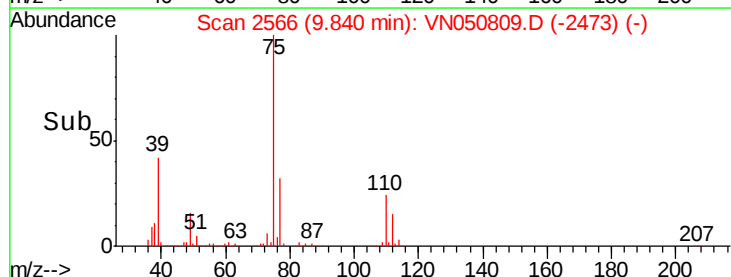
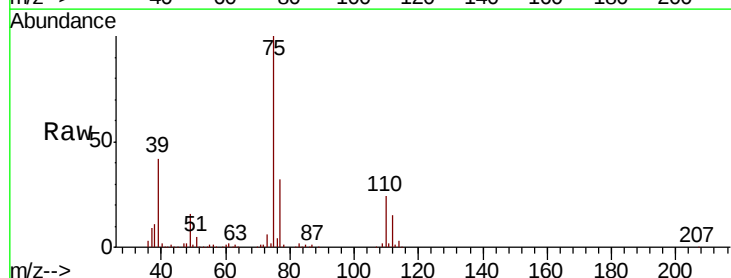
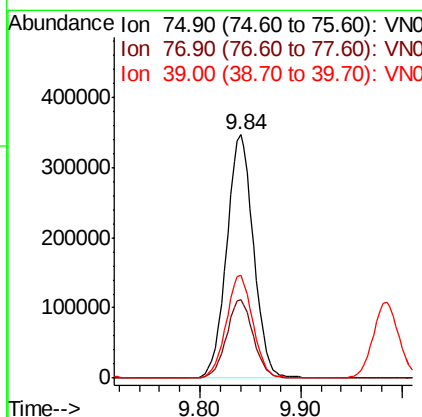
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#54
cis-1,3-Dichloropropene
Concen: 54.09 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 75 Resp: 643454
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2
39 42.0 33.0 49.4





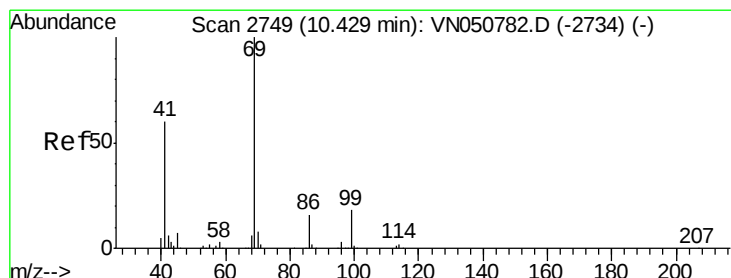
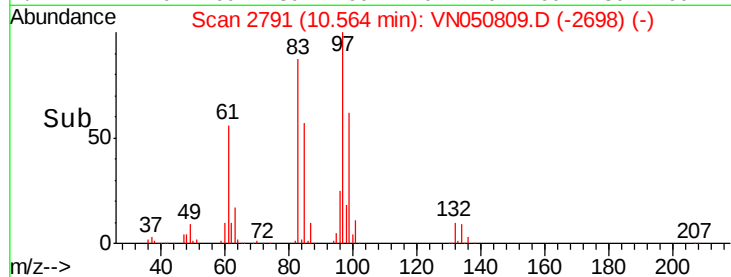
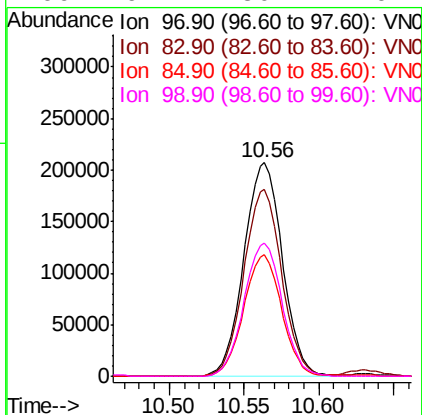
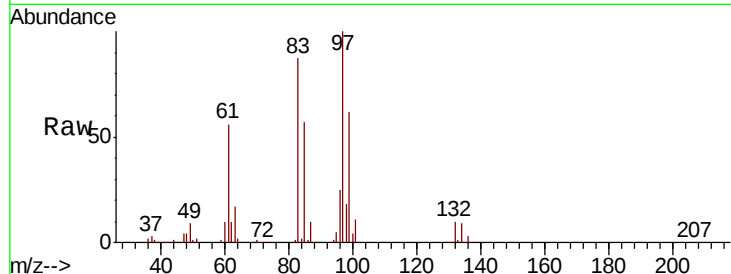
#55
 1,1,2-Trichloroethane
 Concen: 52.44 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		371993		
83	87.4	69.7	104.5		
85	56.8	44.5	66.7		
99	62.4	50.7	76.1		

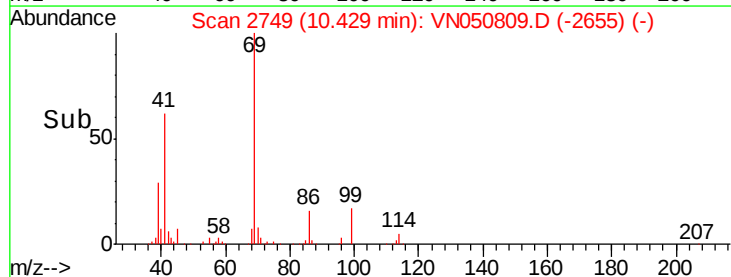
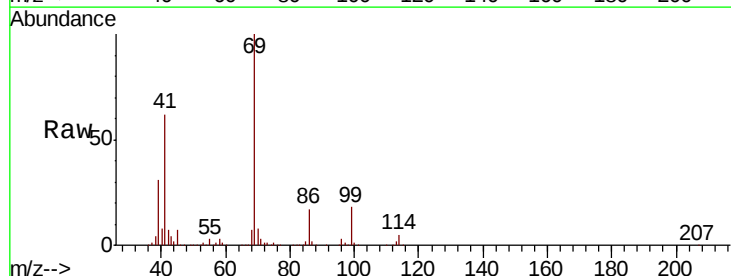
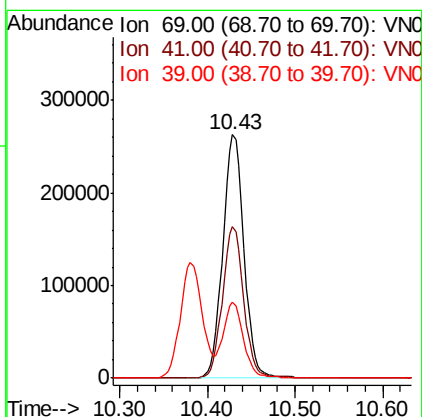
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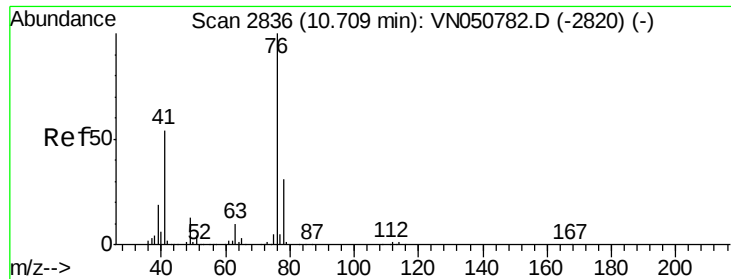
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#56
 Ethyl methacrylate
 Concen: 47.93 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		441364		
41	61.2	48.3	72.5		
39	30.1	24.0	36.0		





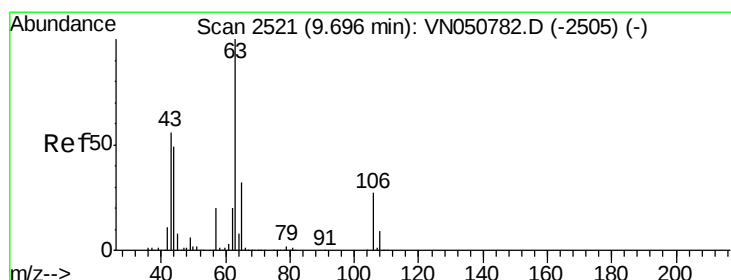
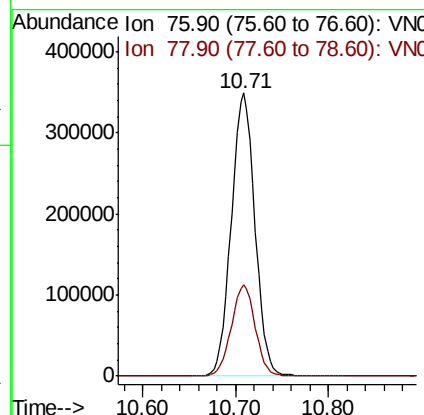
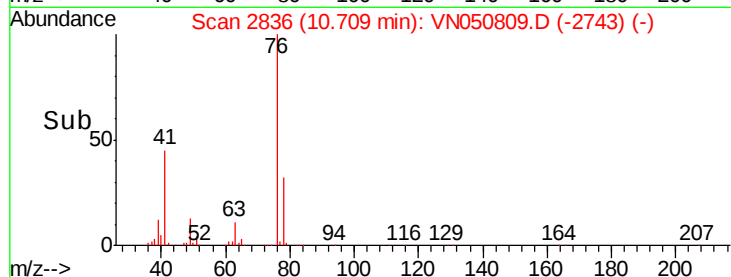
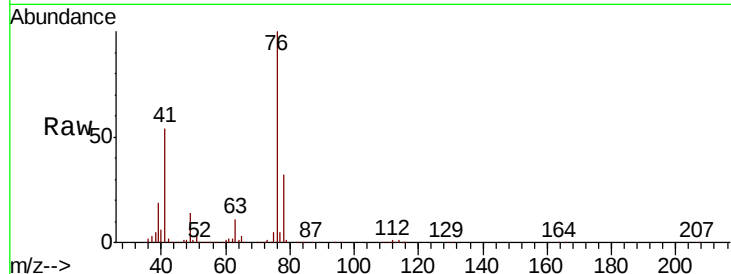
#57
 1,3-Dichloropropane
 Concen: 52.62 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

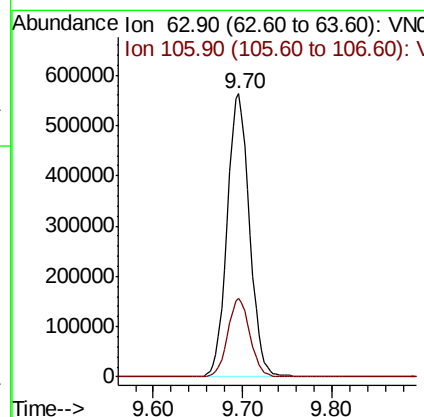
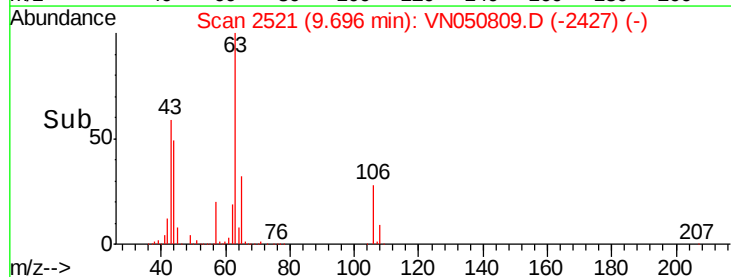
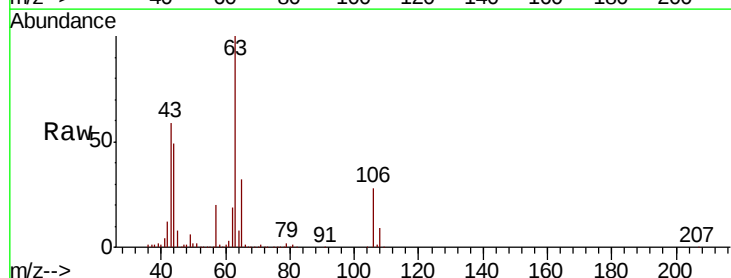
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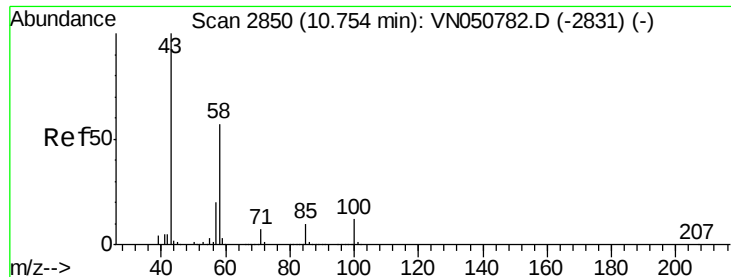
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.74 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





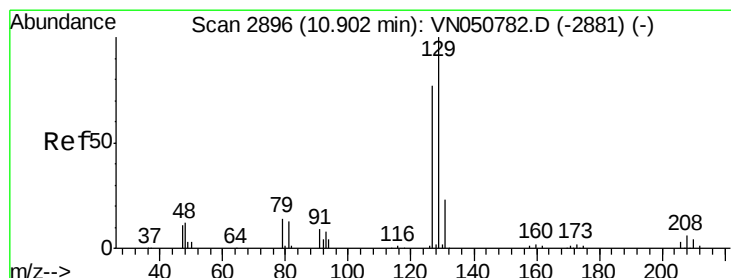
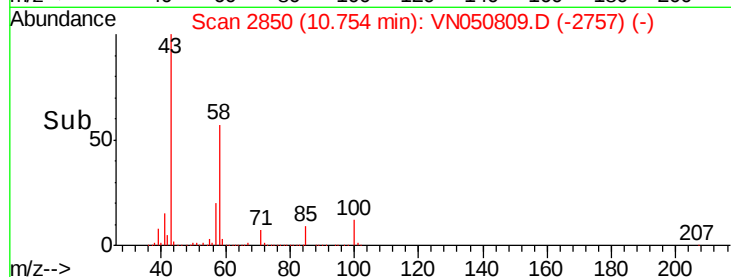
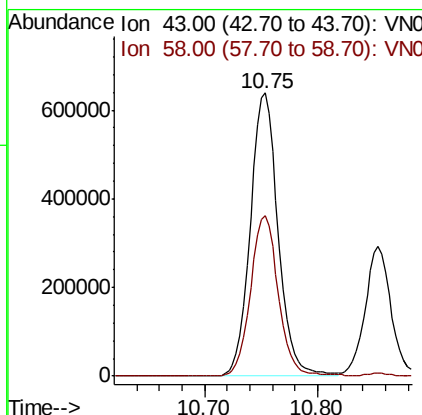
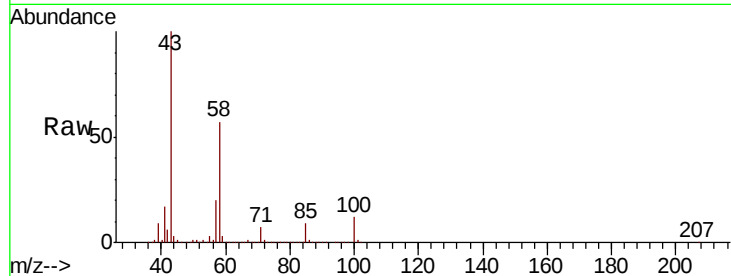
#59
2-Hexanone
Concen: 259.44 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1089258
Ion Ratio Lower Upper
43 100
58 57.0 28.3 85.0

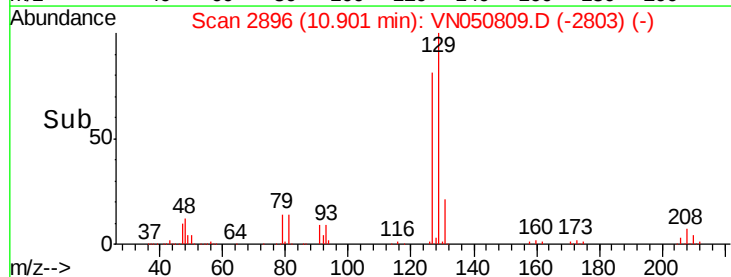
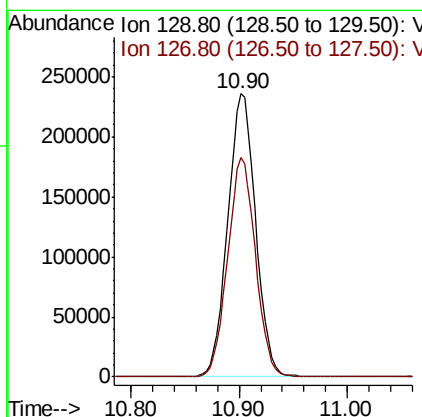
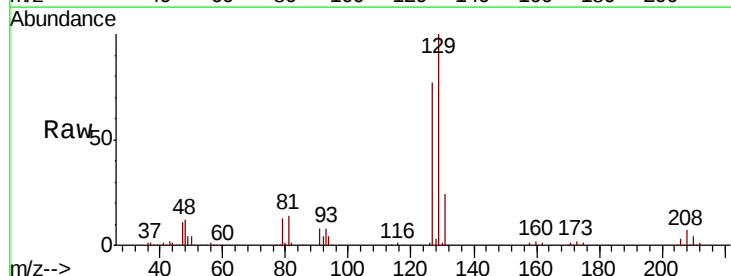
Manual Integrations
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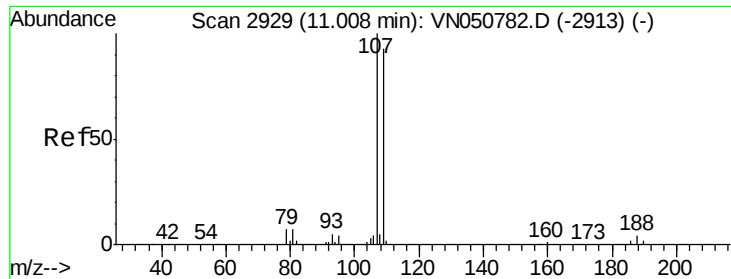
MMDadoda
8/23/2018 10:52:25 AM



#60
Dibromochloromethane
Concen: 53.64 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 129 Resp: 426045
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 52.91 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 362991

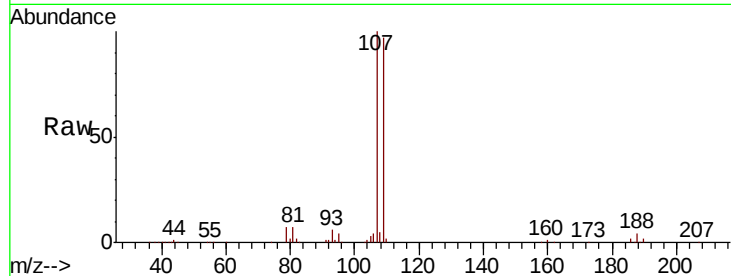
Ion Ratio Lower Upper

107 100

109 96.4 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

150000

100000

50000

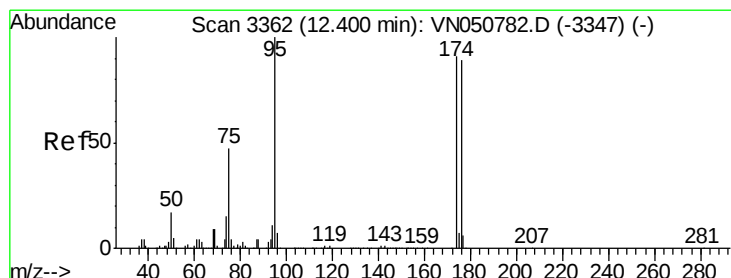
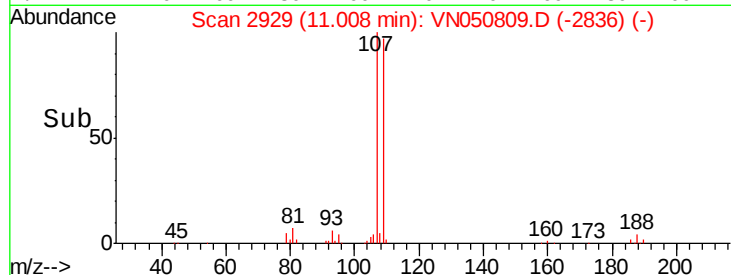
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 52.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

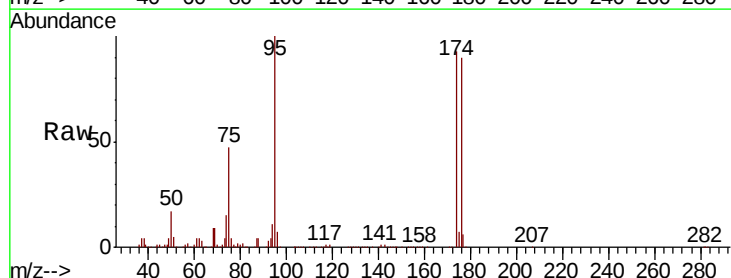
Tgt Ion: 95 Resp: 470880

Ion Ratio Lower Upper

95 100

174 90.9 0.0 183.0

176 88.2 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

12.40

300000

200000

100000

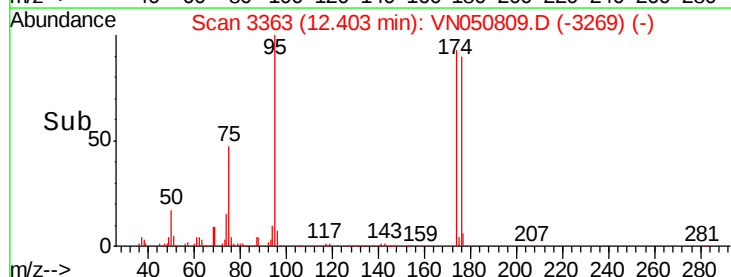
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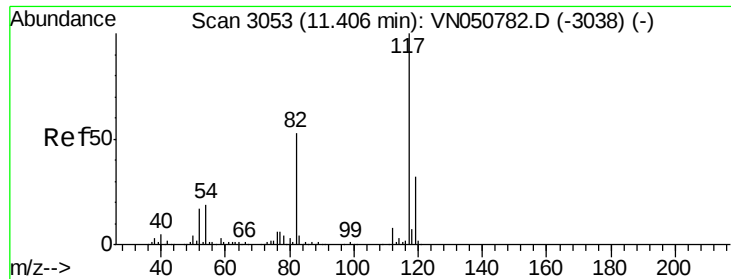
Time-->

12.35

12.40

12.45





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

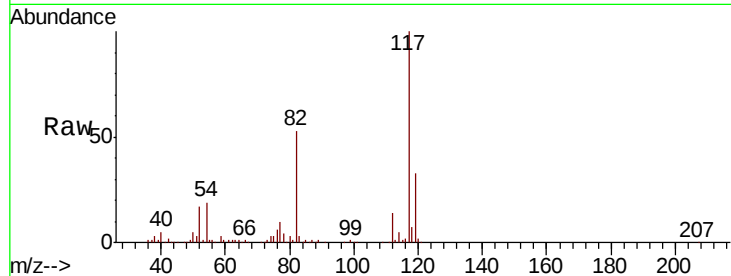
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	842688
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.6	64.0
119	32.7	25.8	38.6

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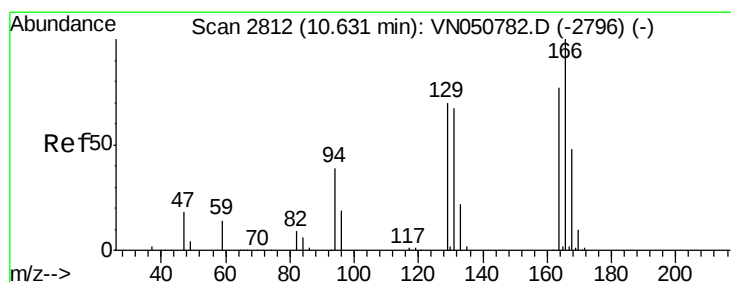
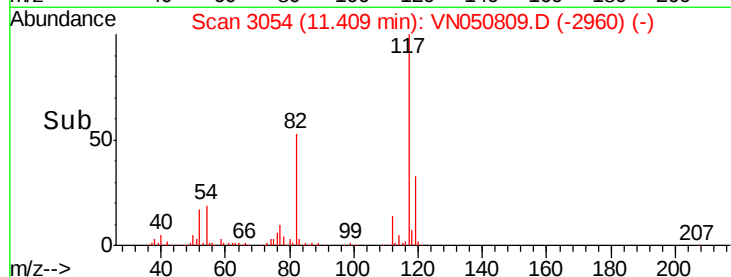
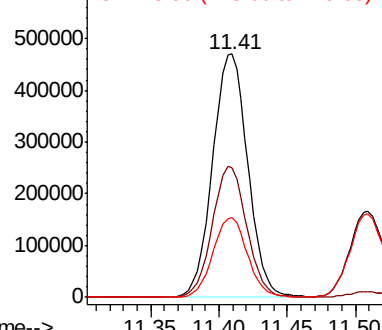


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.89 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion:	164	Resp:	407285
Ion Ratio	Lower	Upper	
164	100		
166	128.4	103.5	155.3
129	89.7	72.7	109.1
131	88.3	69.5	104.3

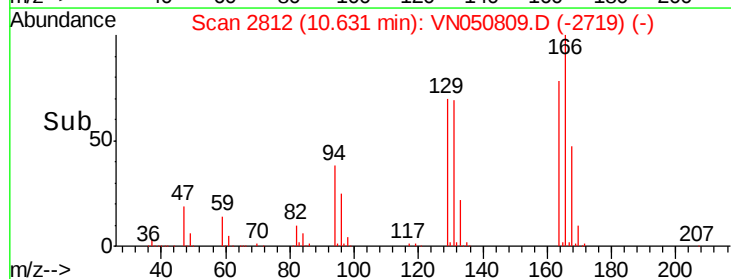
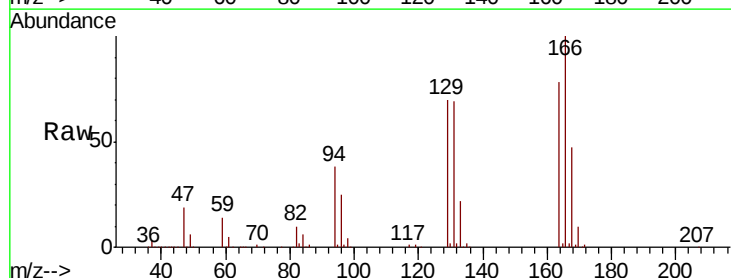
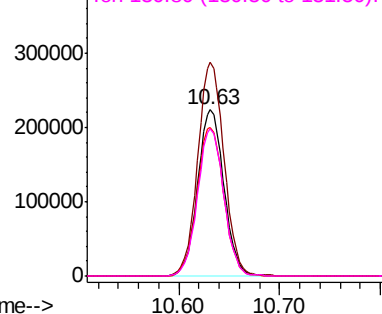
Abundance

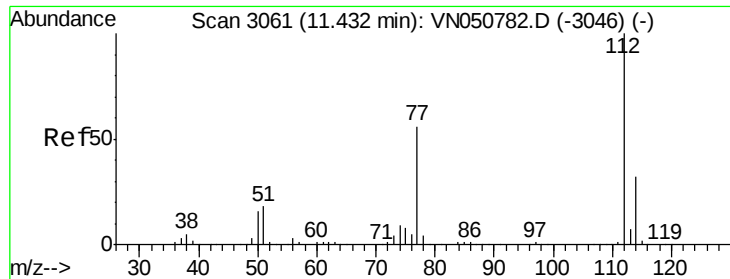
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





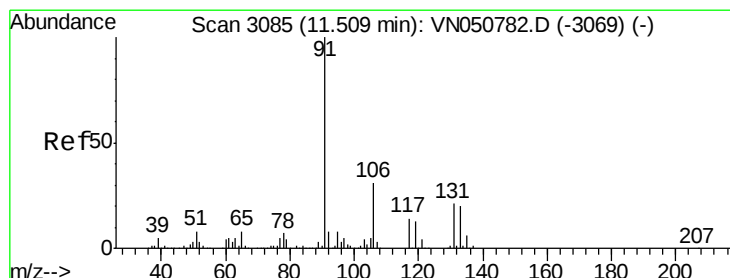
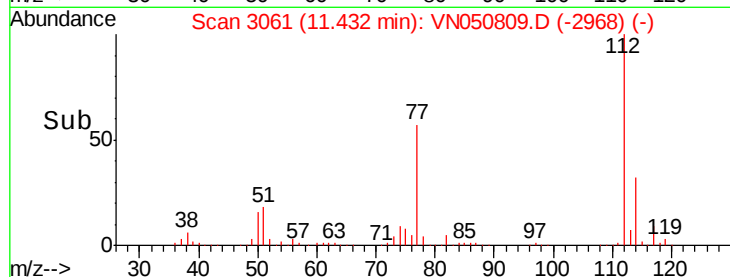
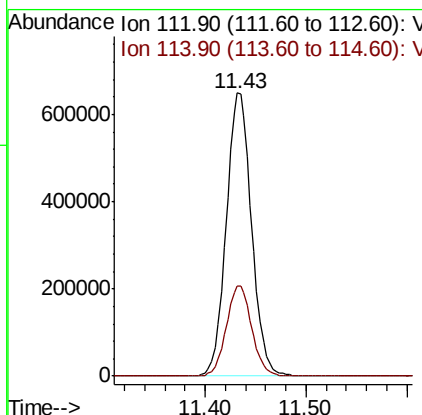
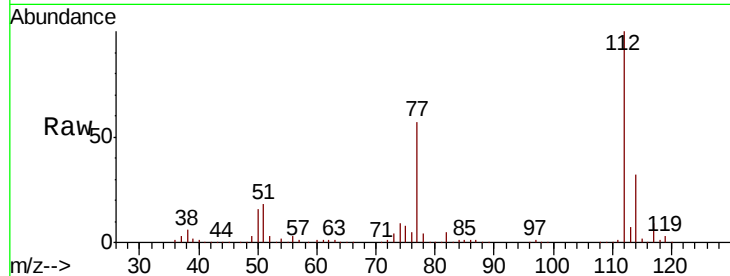
#65
Chlorobenzene
Concen: 51.46 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1133363
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

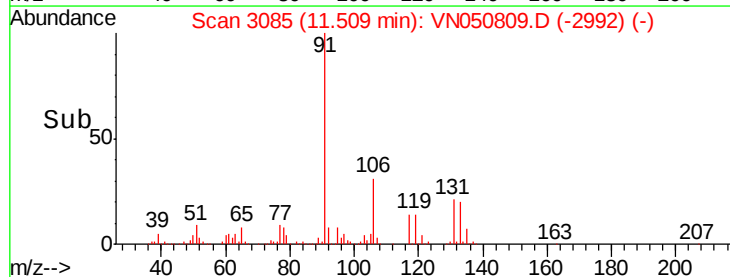
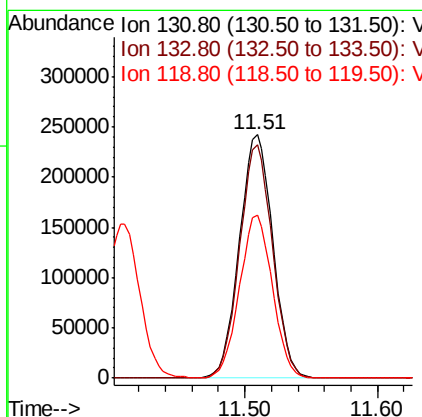
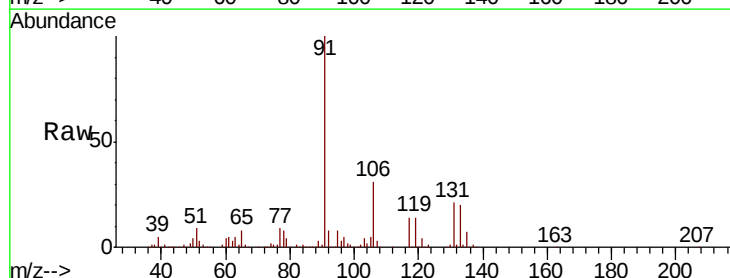
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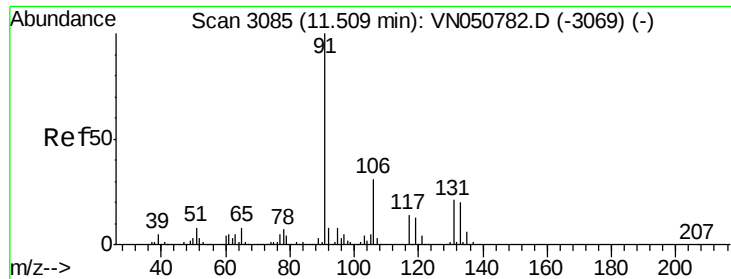
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.52 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion:131 Resp: 423237
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.3
119 66.2 32.8 98.4





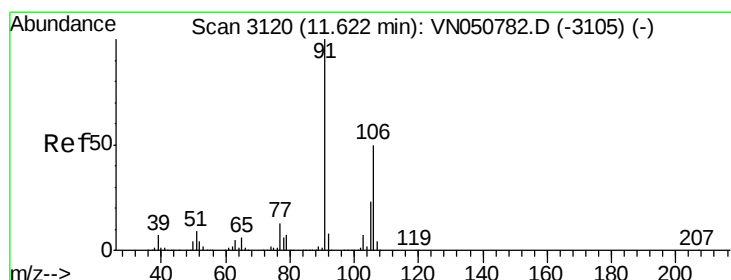
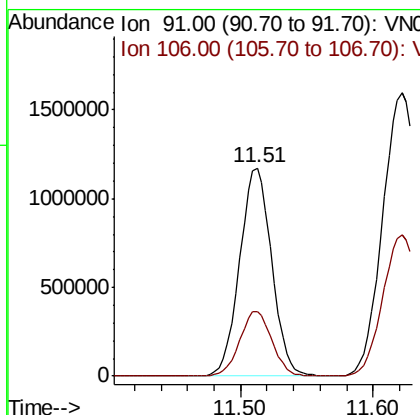
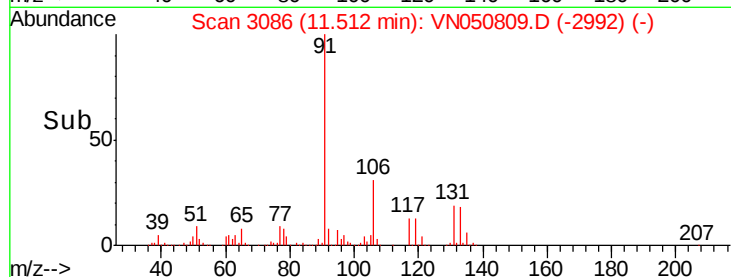
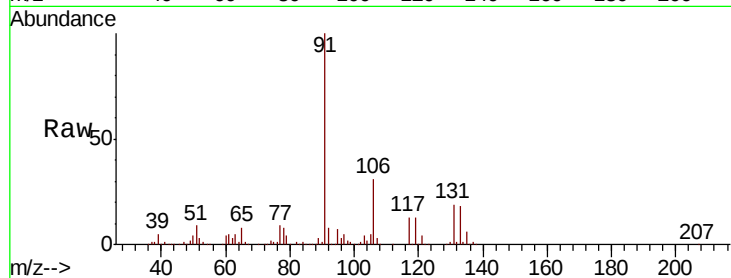
#67
Ethyl Benzene
Concen: 54.92 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1966720
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

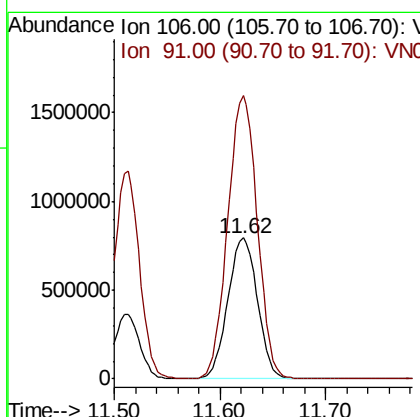
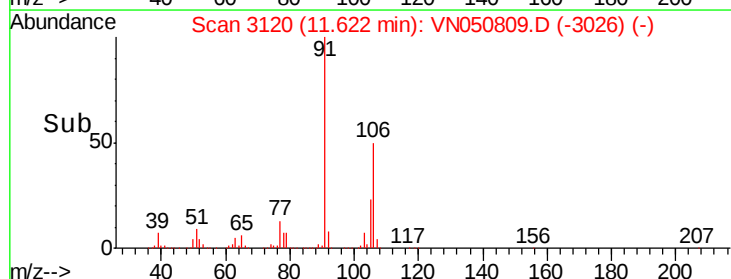
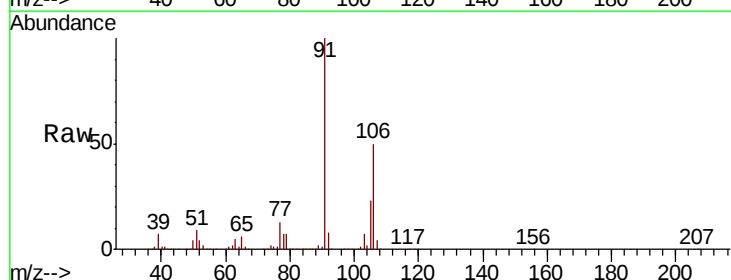
Manual Integrations
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#68
m/p-Xylenes
Concen: 113.36 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 106 Resp: 1540790
Ion Ratio Lower Upper
106 100
91 200.5 161.0 241.6





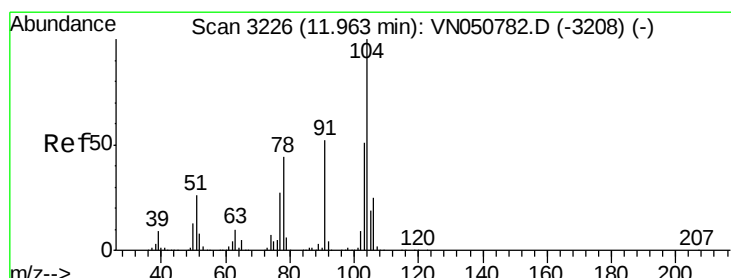
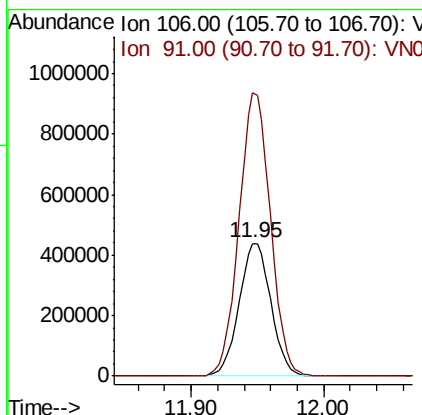
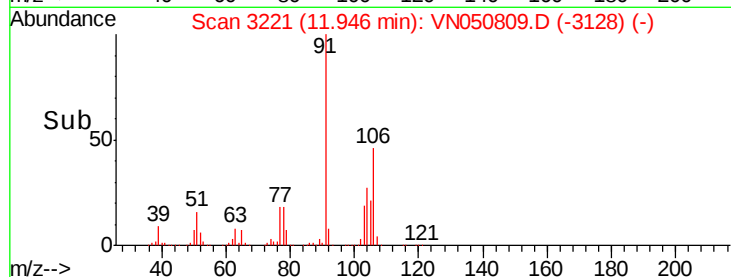
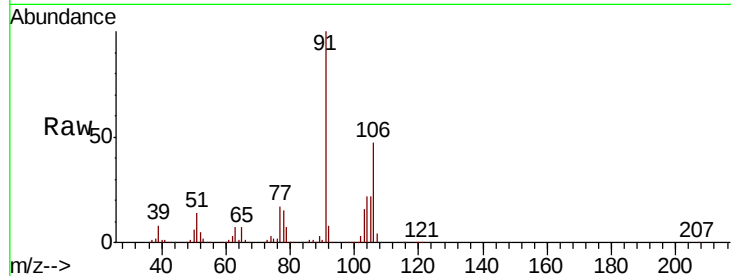
#69
o-Xylene
Concen: 55.77 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
728753	106	100		
	91	211.6	106.5	319.5

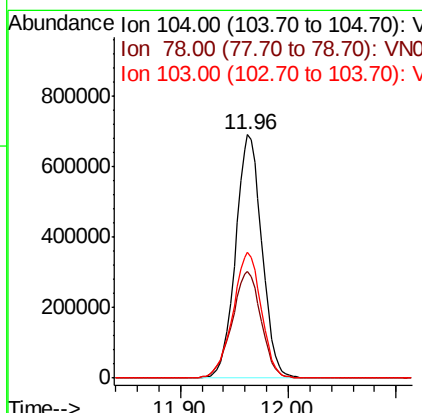
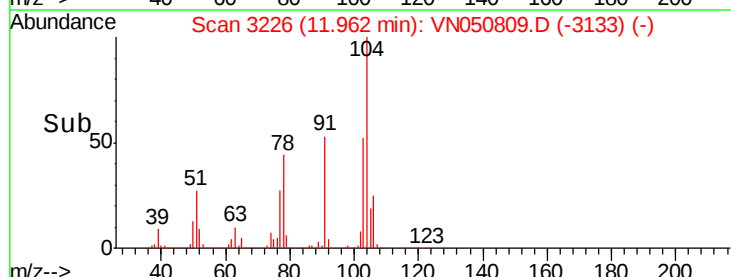
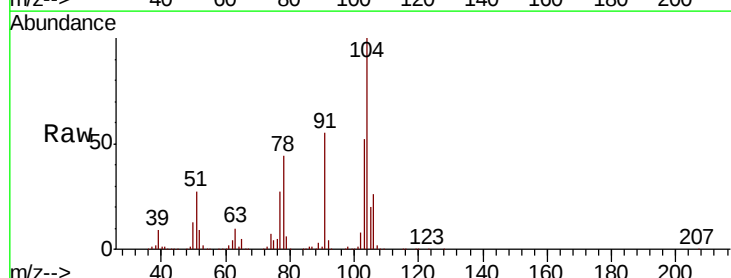
Manual Integrations
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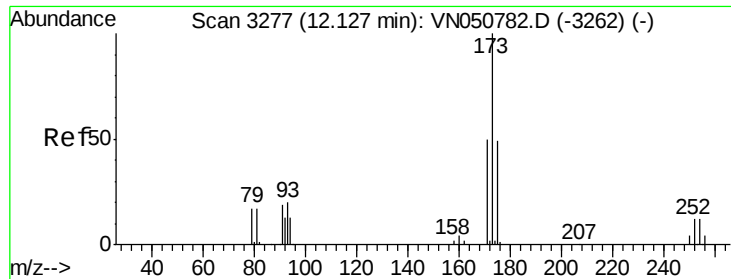
MMDadoda
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#70
Styrene
Concen: 50.86 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion	Ion	Ratio	Lower	Upper
1171720	104	100		
	78	48.4	38.2	57.4
	103	55.9	44.4	66.6





#71

Bromoform

Concen: 52.89 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

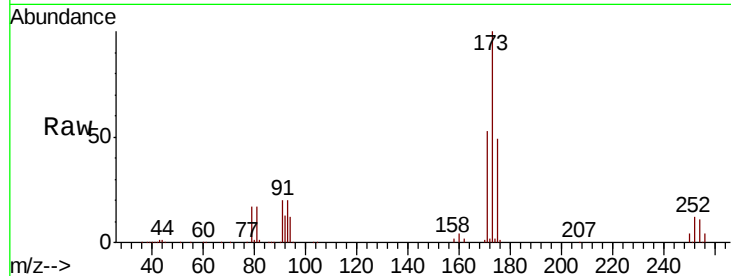
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.2	0.1	0.1#

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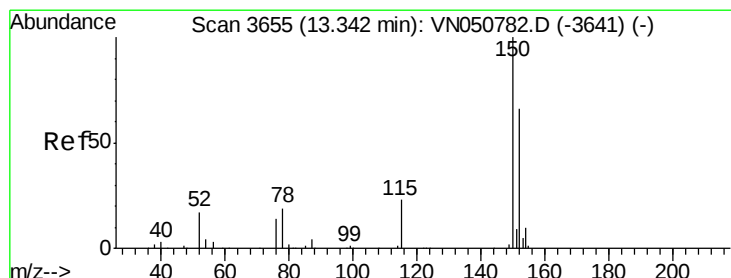
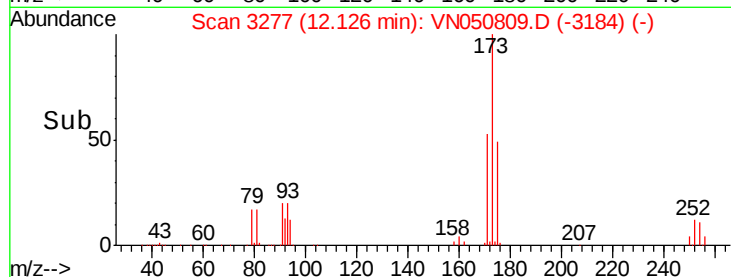
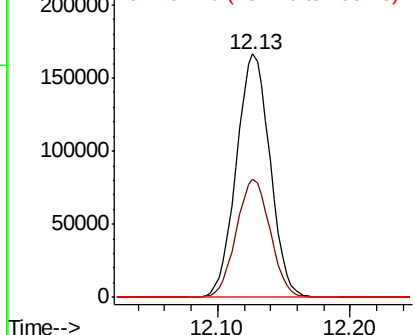


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

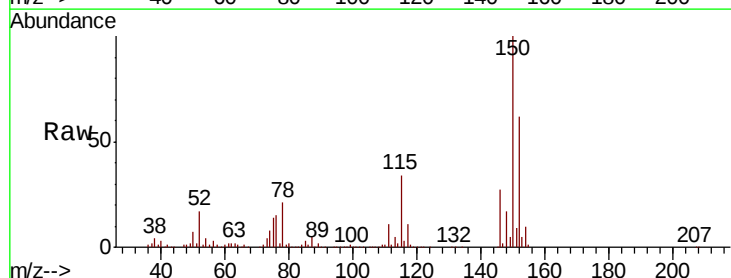
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	27.8	83.4
150	176.5	0.0	351.4

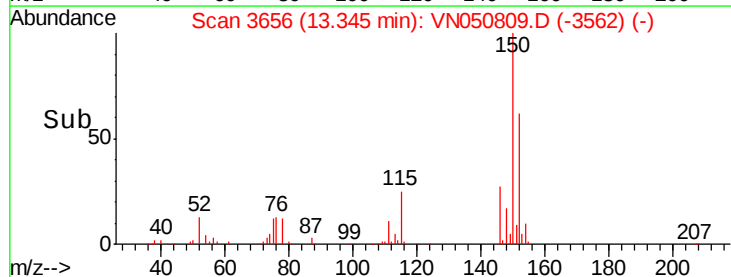
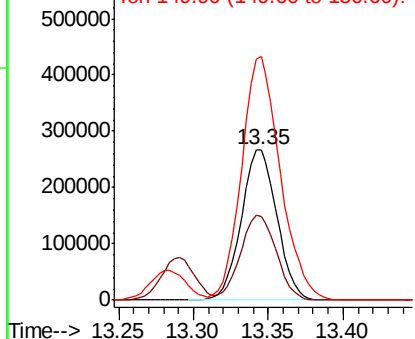


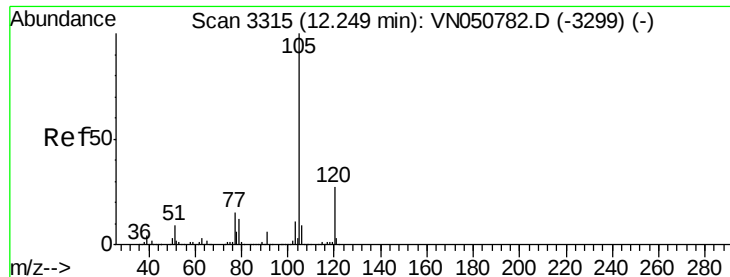
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.75 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1928259

Ion Ratio Lower Upper

105 100

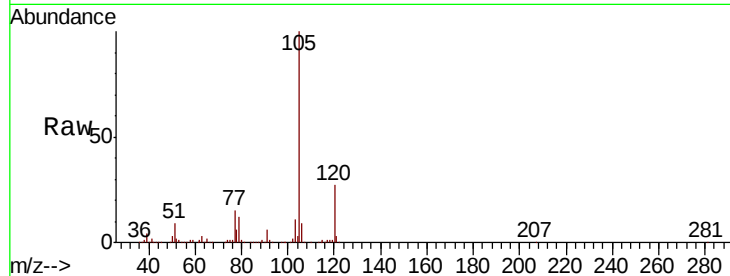
120 27.0 13.5 40.4

Manual Integrations

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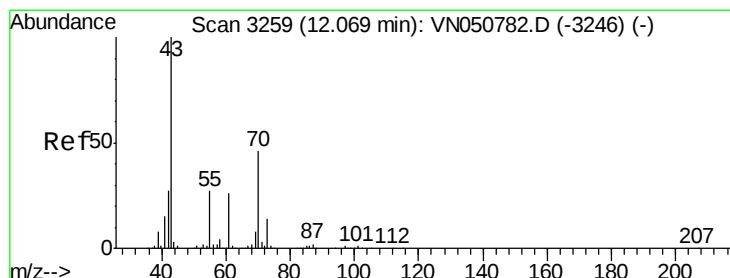
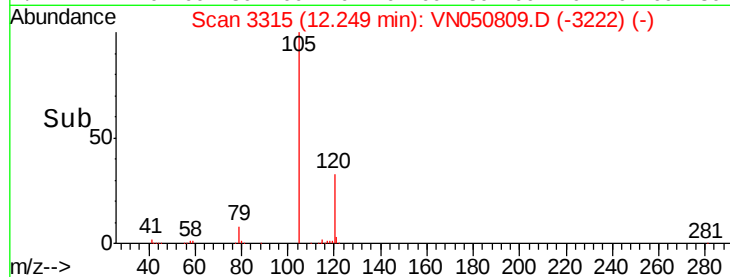
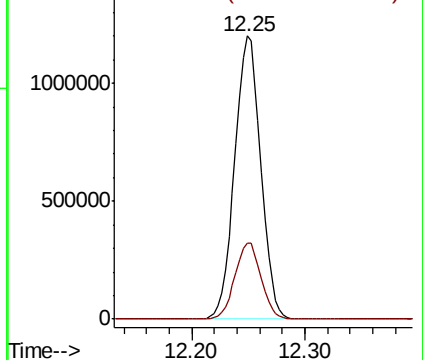
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.16 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion: 43 Resp: 469930

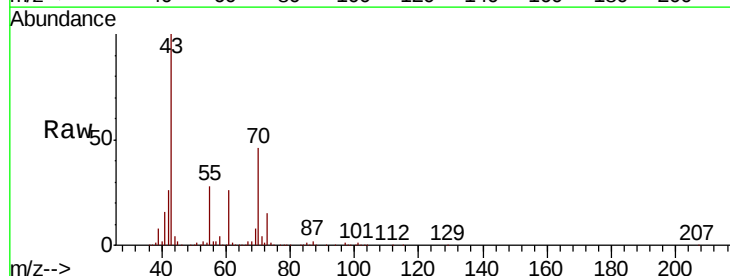
Ion Ratio Lower Upper

43 100

70 45.6 36.2 54.2

55 27.7 21.8 32.8

61 25.8 20.5 30.7

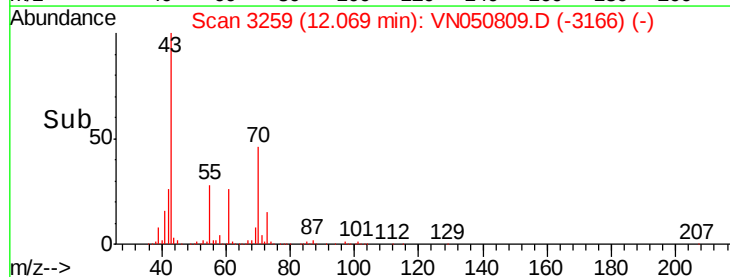
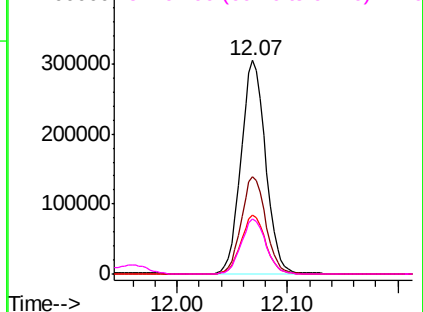


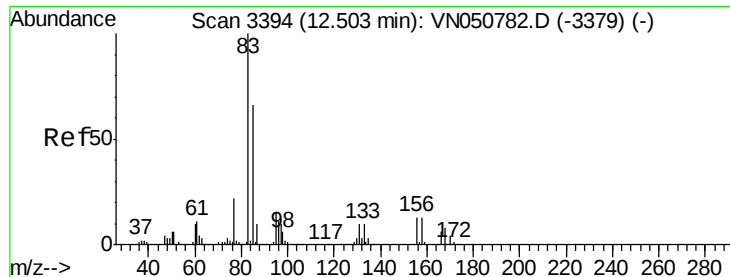
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.86 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

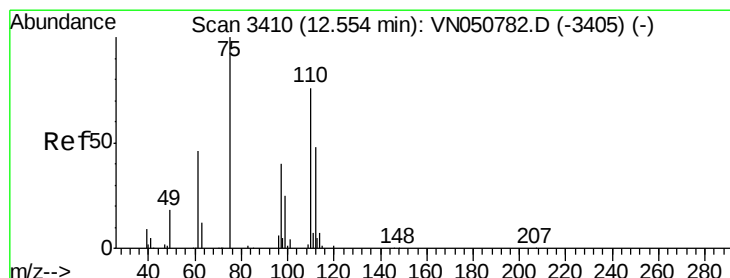
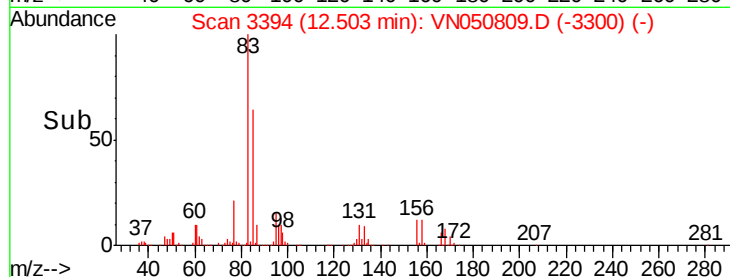
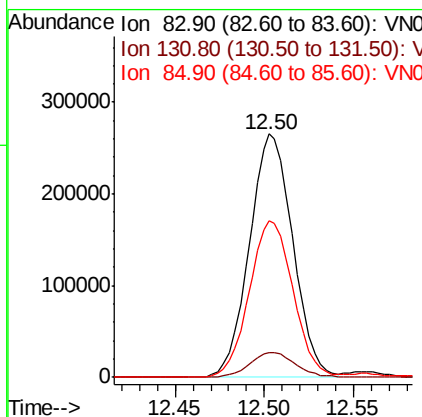
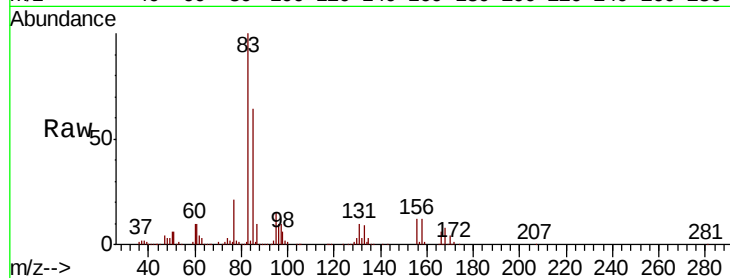
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	451395
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	65.0	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.28 ug/l m

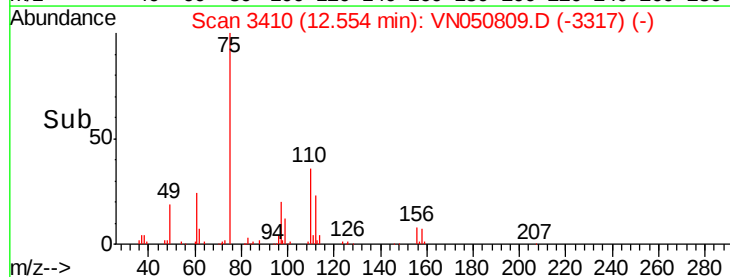
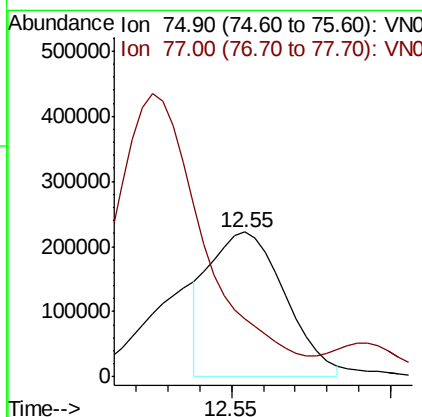
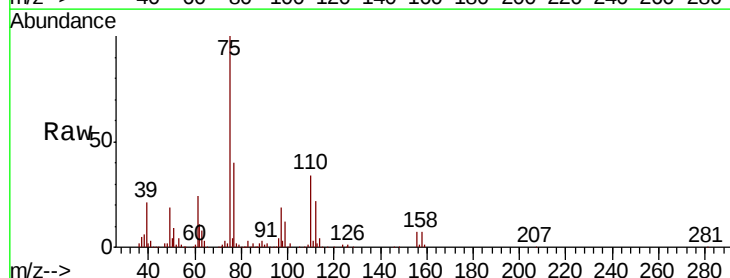
RT: 12.55 min Scan# 3410

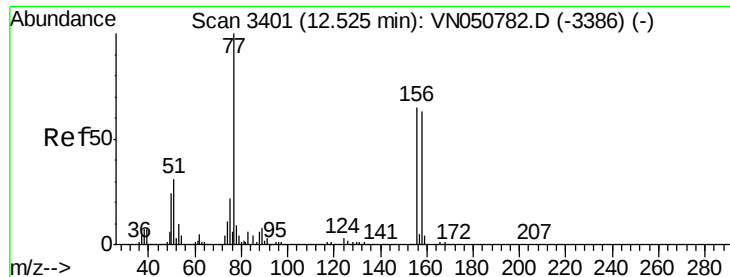
Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion:	75	Resp:	365563
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





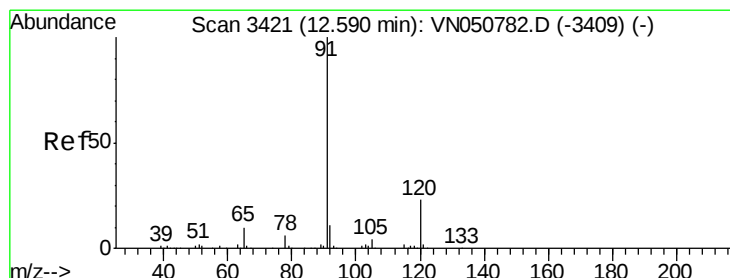
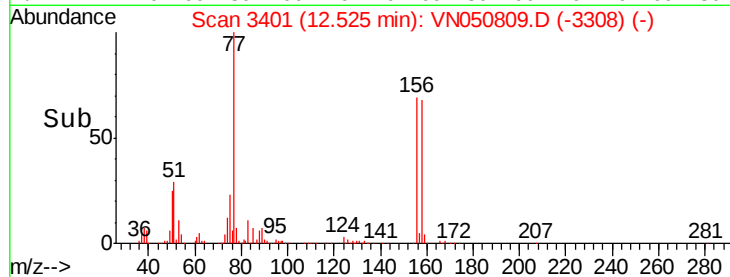
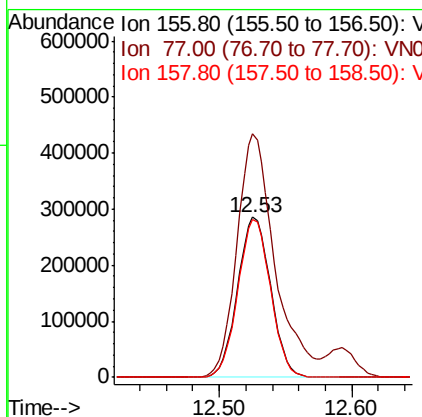
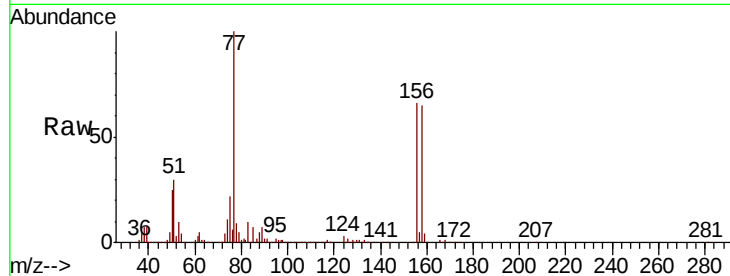
#77
Bromobenzene
Concen: 49.77 ug/l
RT: 12.53 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.2	89.9	269.7
158	97.5	49.3	147.9

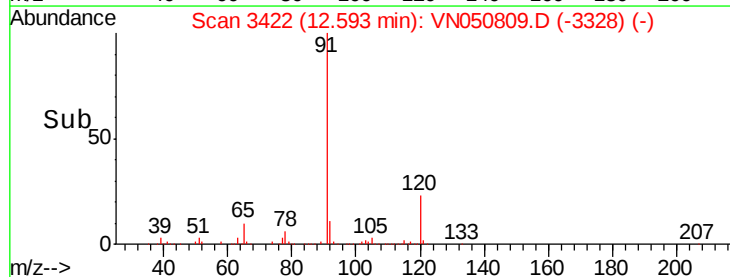
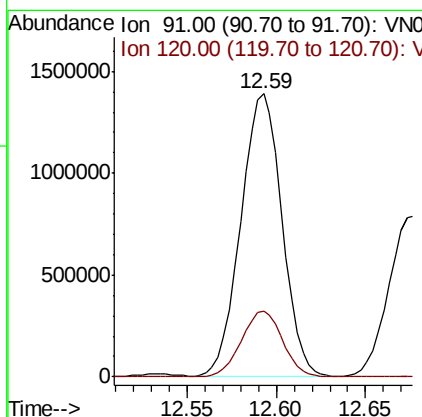
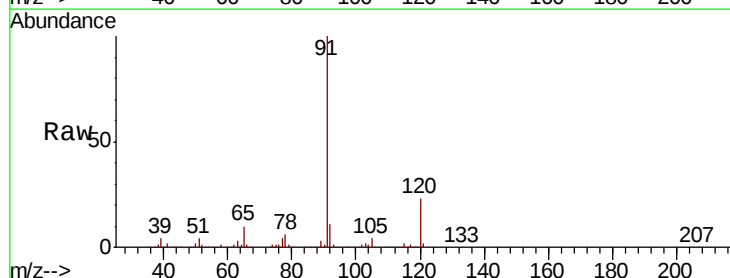
Manual Integrations
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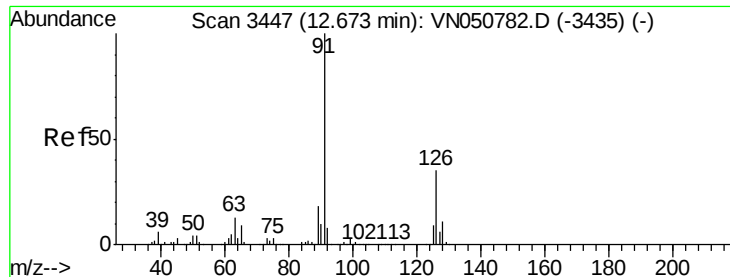
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#78
n-propylbenzene
Concen: 54.60 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.0





#79

2-Chlorotoluene

Concen: 51.60 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1312579

Ion Ratio Lower Upper

91 100

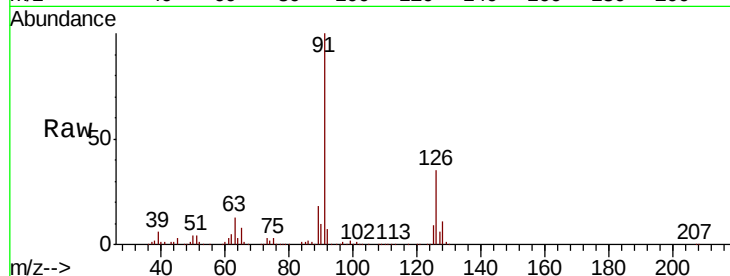
126 35.4 17.8 53.3

Manual Integrations

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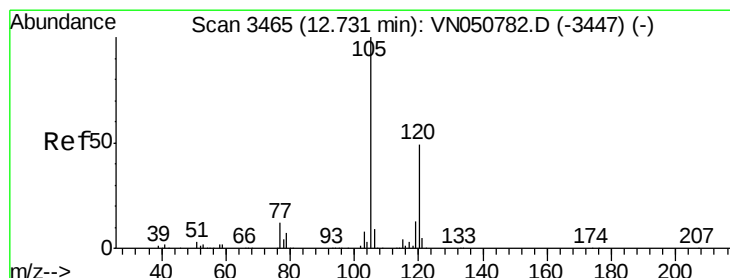
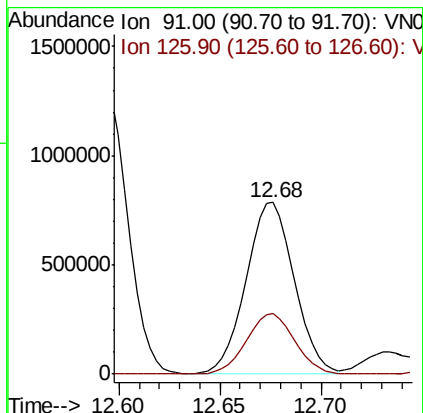
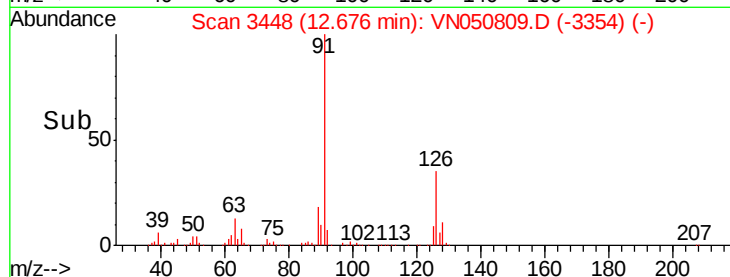
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Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050782.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.50 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050809.D

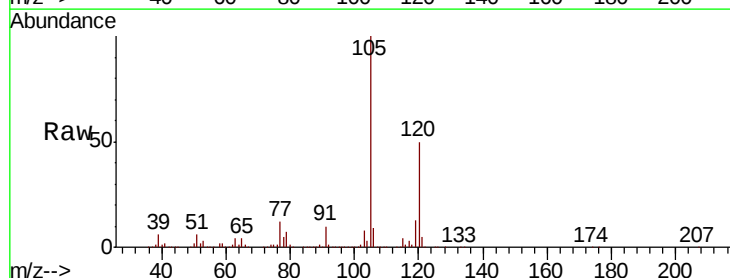
Acq: 22 Aug 2018 10:45

Tgt Ion: 105 Resp: 1607581

Ion Ratio Lower Upper

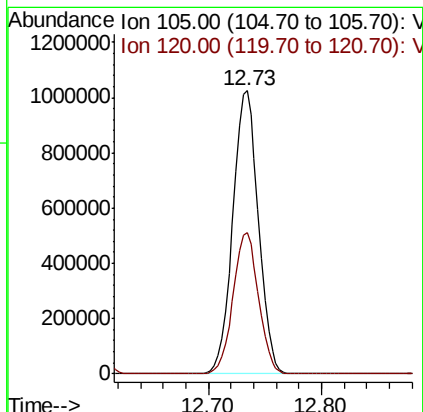
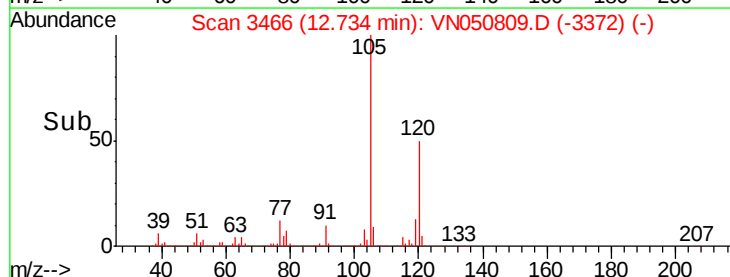
105 100

120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050782.D (-3447) (-)

Ion 120.00 (119.70 to 120.70): VN050782.D (-3447) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.57 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 115666

Ion Ratio Lower Upper

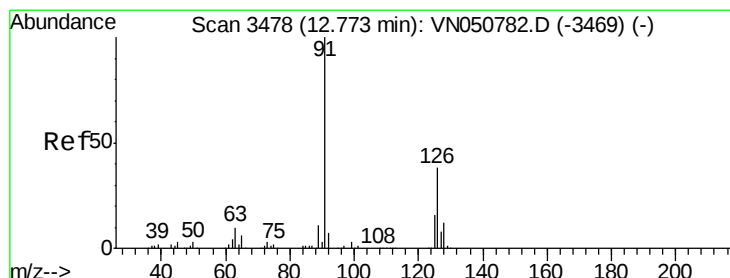
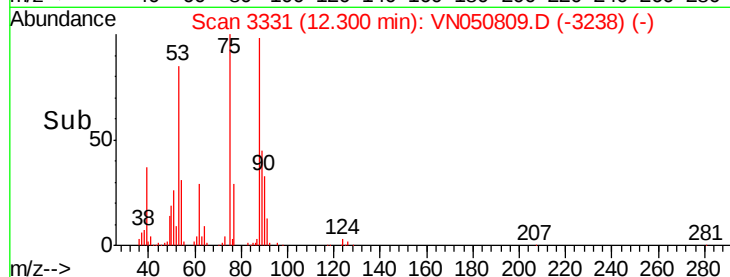
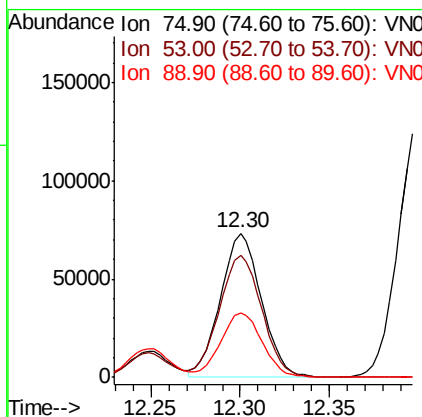
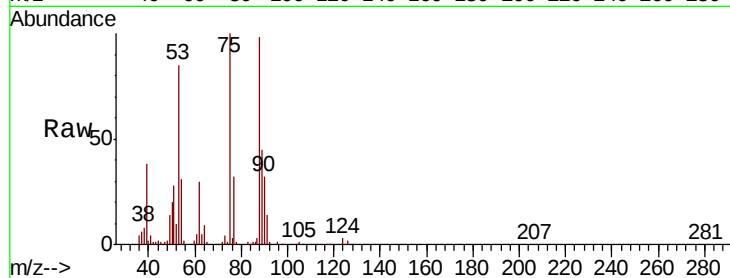
75 100

53 89.5 68.9 103.3

89 46.1 36.1 54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.02 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050809.D

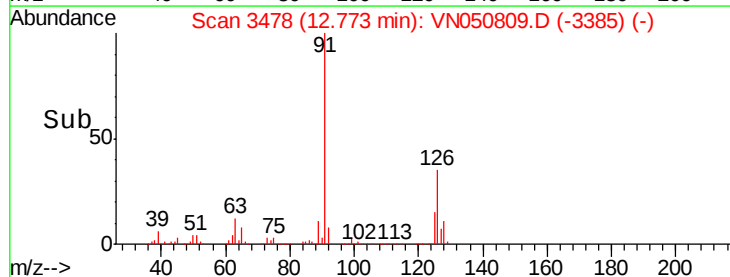
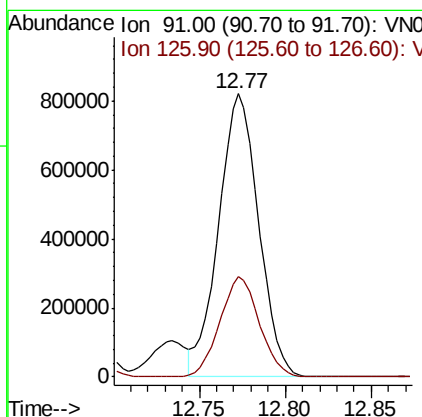
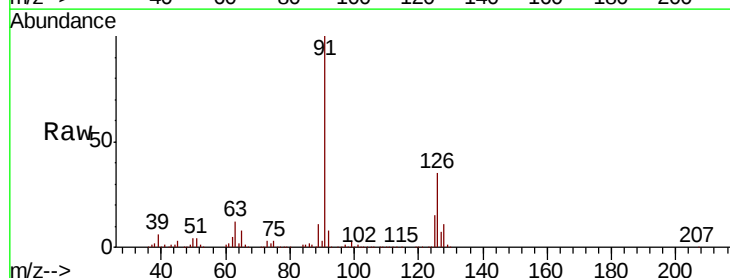
Acq: 22 Aug 2018 10:45

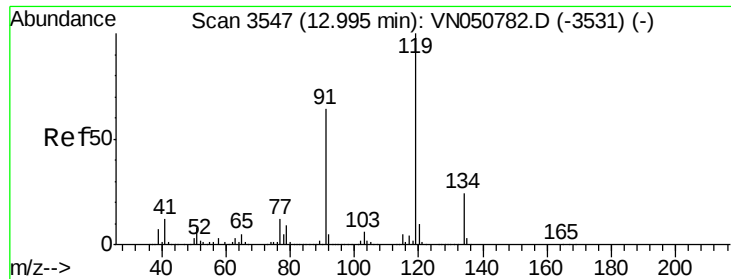
Tgt Ion: 91 Resp: 1331380

Ion Ratio Lower Upper

91 100

126 35.0 17.5 52.5





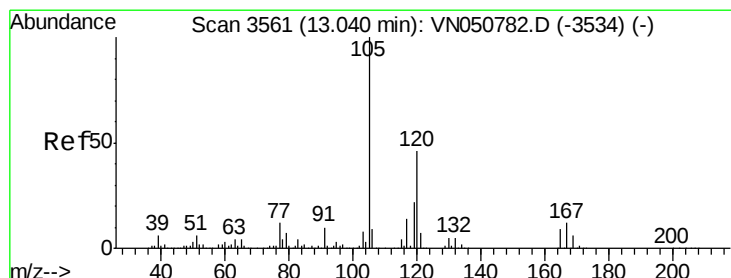
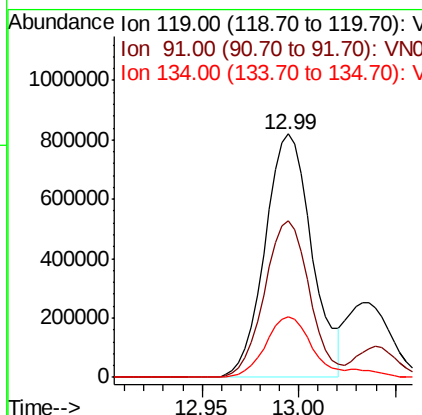
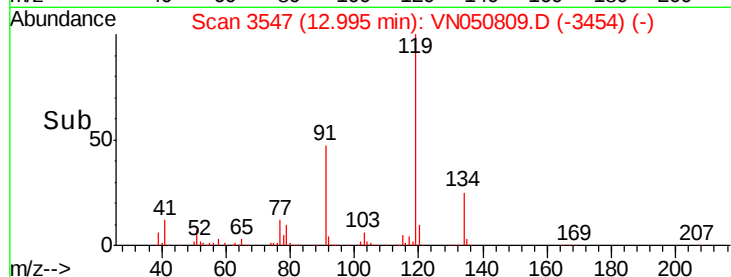
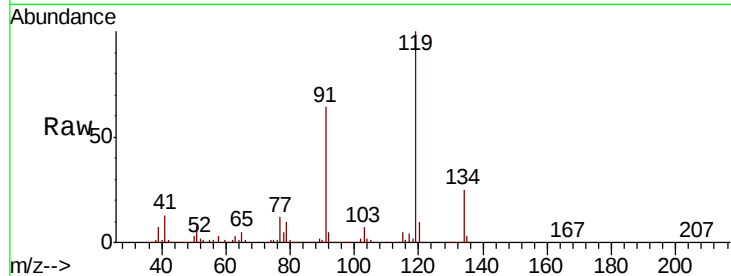
#83
 tert-Butylbenzene
 Concen: 53.93 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1377541
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.6 94.7
 134 26.5 13.4 40.1

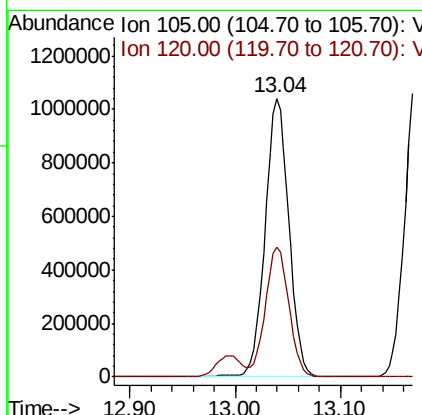
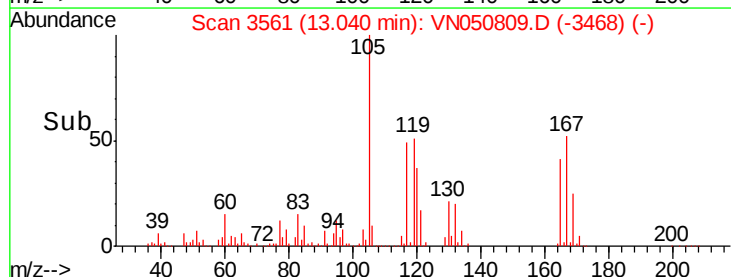
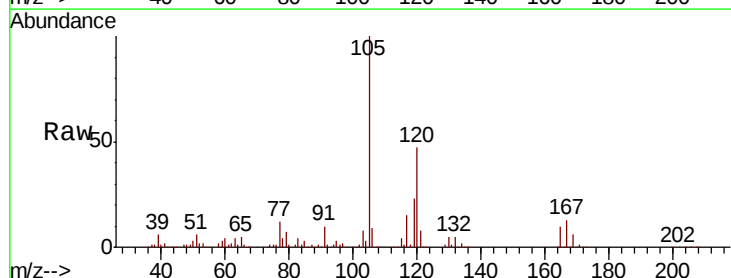
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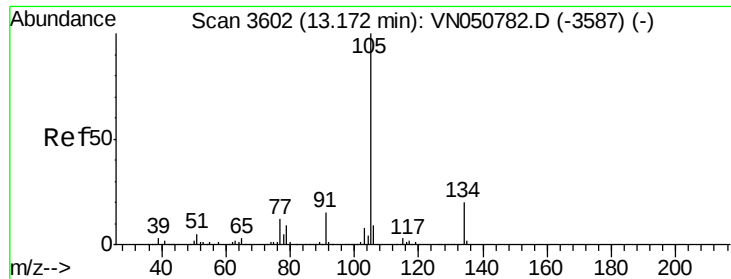
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.93 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion:105 Resp: 1629576
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





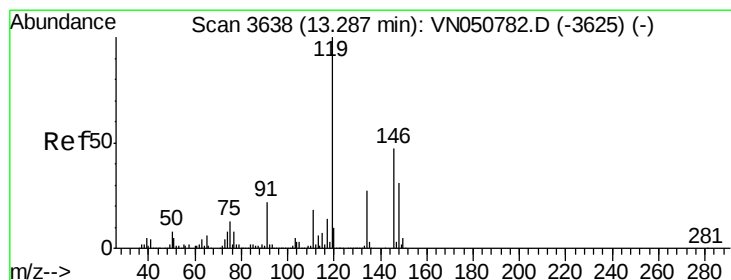
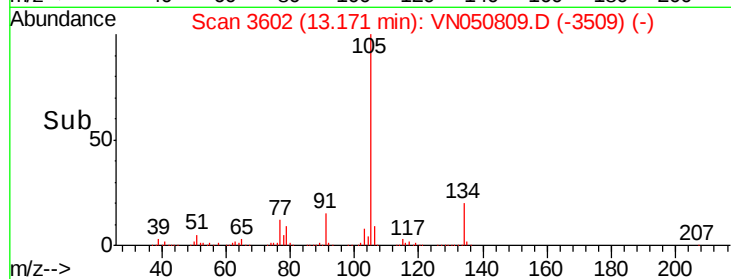
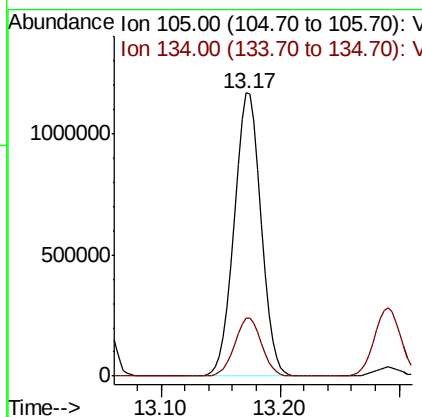
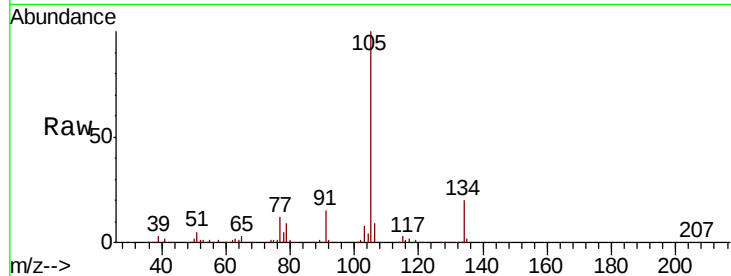
#85
 sec-Butylbenzene
 Concen: 54.41 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:105 Resp: 1821266
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8

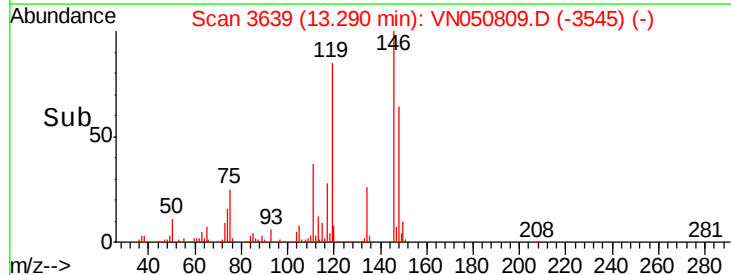
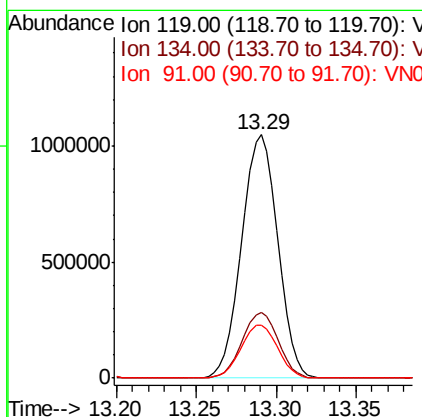
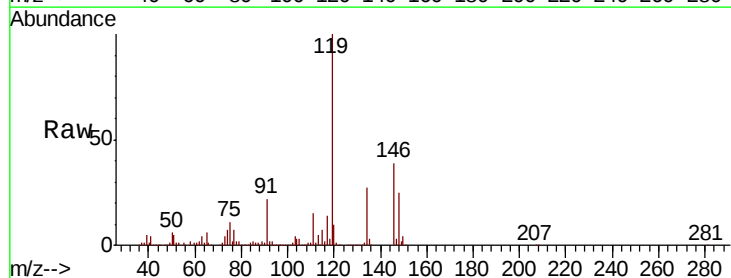
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#86
 p-Isopropyltoluene
 Concen: 56.35 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion:119 Resp: 1607240
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.7 41.0
 91 22.3 11.2 33.5





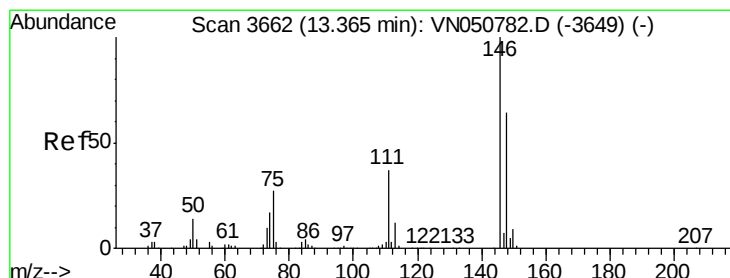
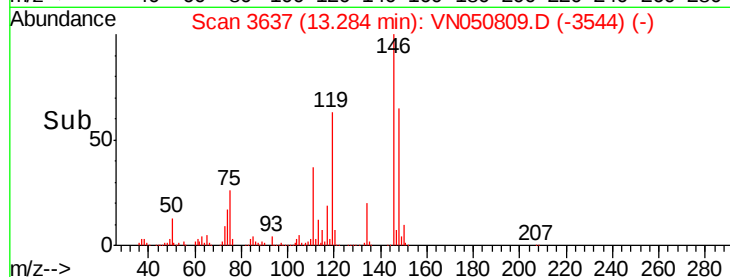
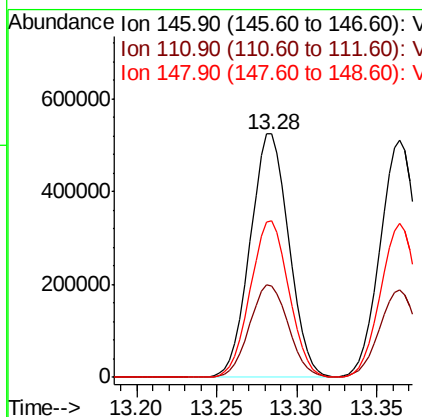
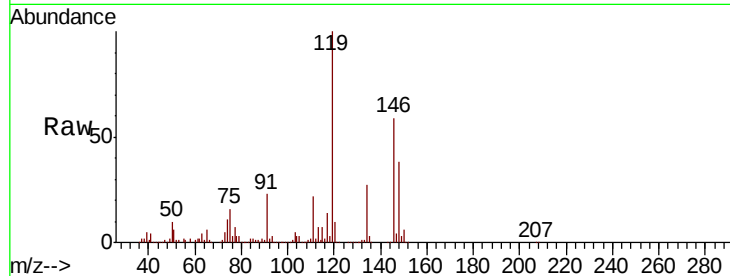
#87
 1,3-Dichlorobenzene
 Concen: 51.55 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	64.1	32.2	96.6

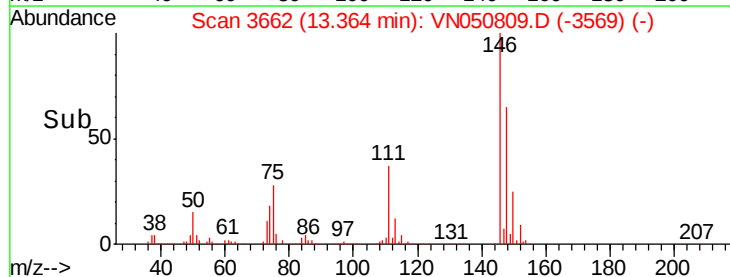
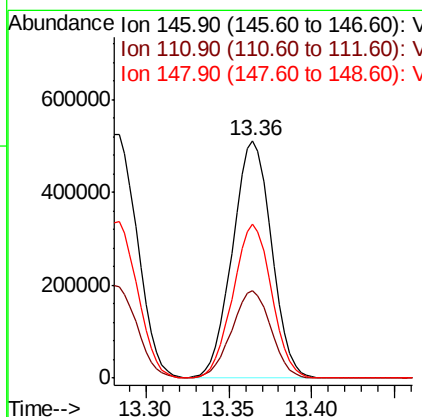
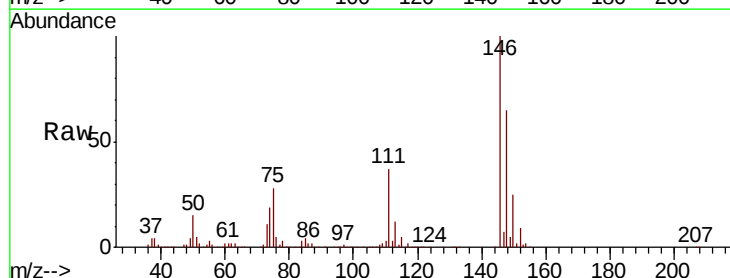
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#88
 1,4-Dichlorobenzene
 Concen: 50.44 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	64.3	32.2	96.6





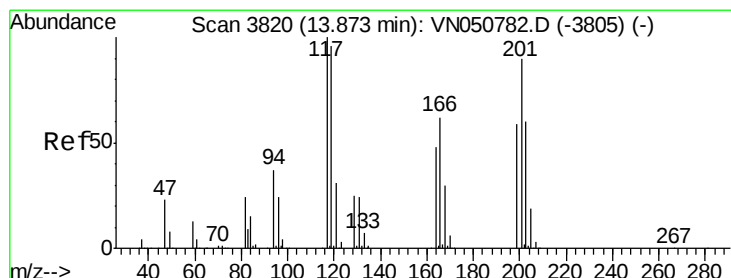
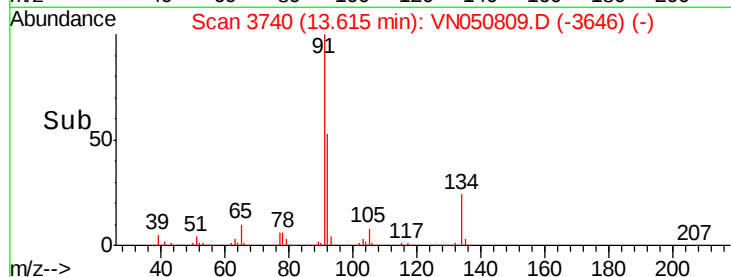
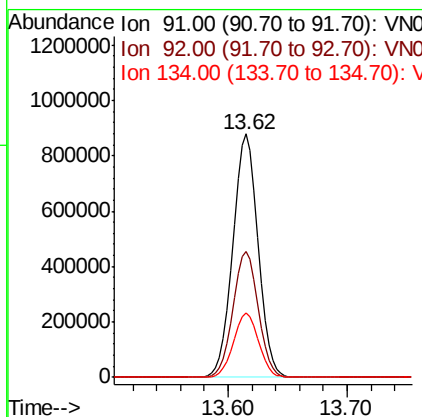
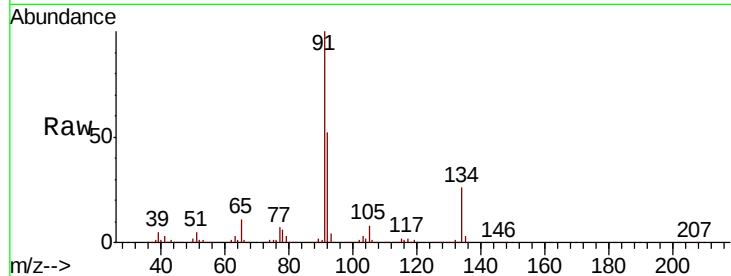
#89
n-Butylbenzene
Concen: 56.43 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1287126
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 26.4 13.2 39.6

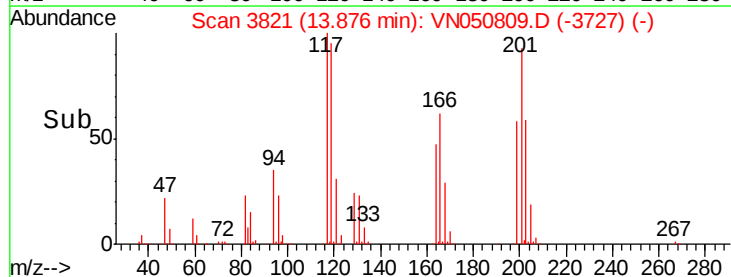
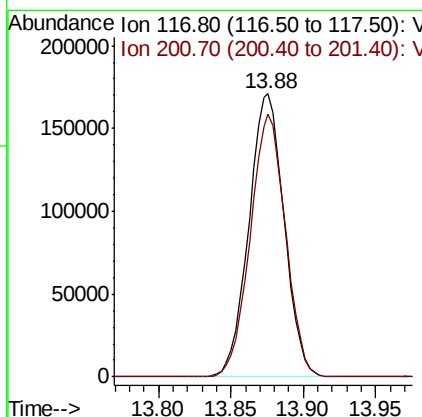
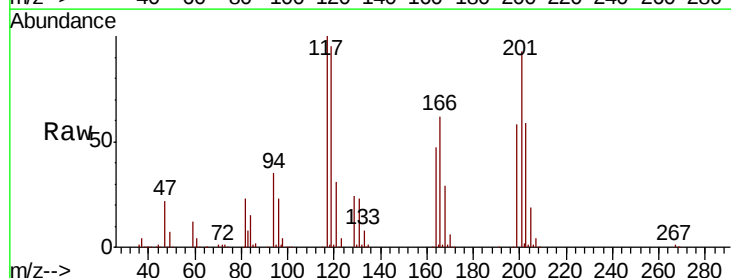
Manual Integrations
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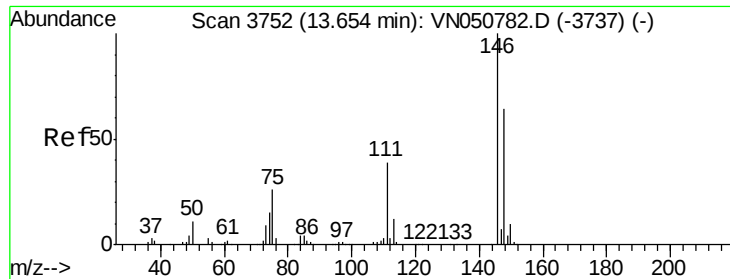
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#90
Hexachloroethane
Concen: 53.19 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 117 Resp: 289195
Ion Ratio Lower Upper
117 100
201 92.6 46.0 137.8





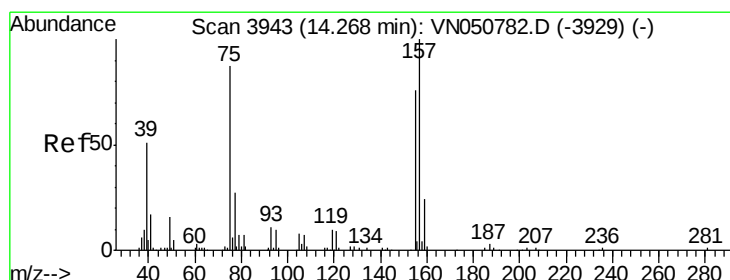
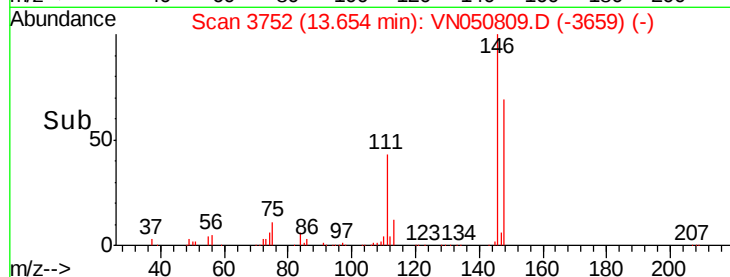
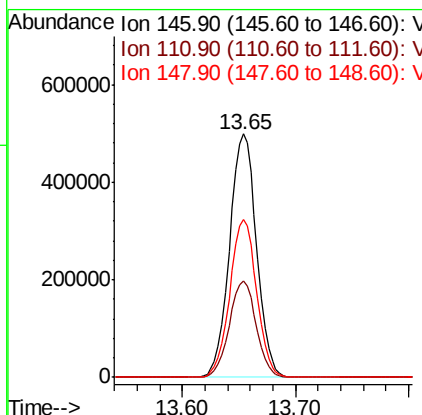
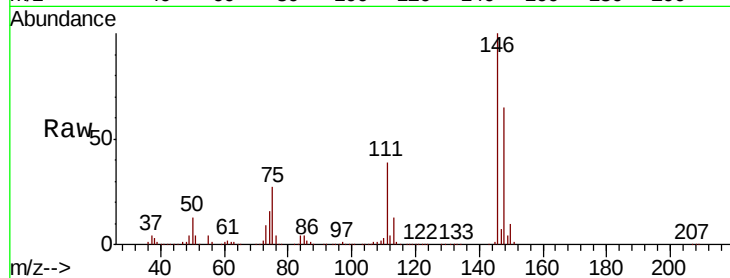
#91
 1,2-Dichlorobenzene
 Concen: 50.76 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.6	32.3	96.8

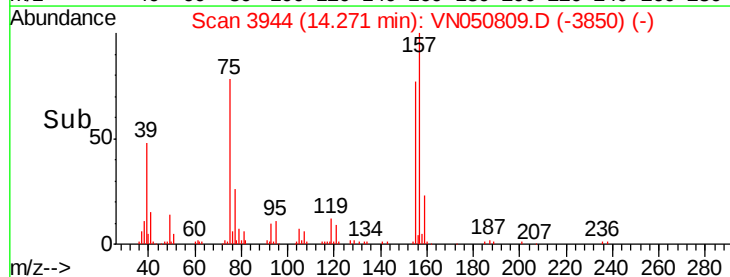
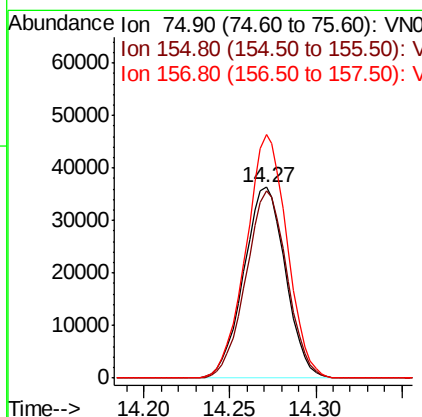
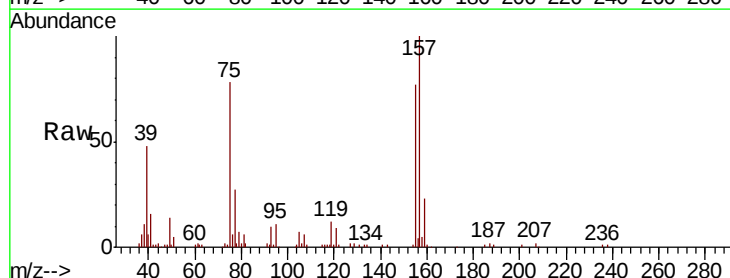
Manual Integrations
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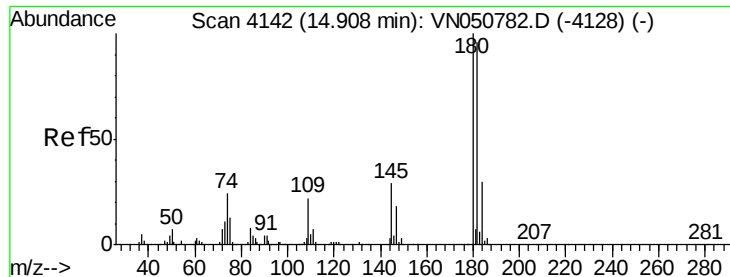
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.59 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	46.4	139.1
157	125.2	60.7	182.0





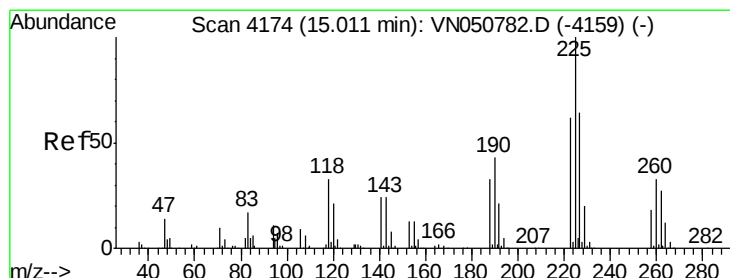
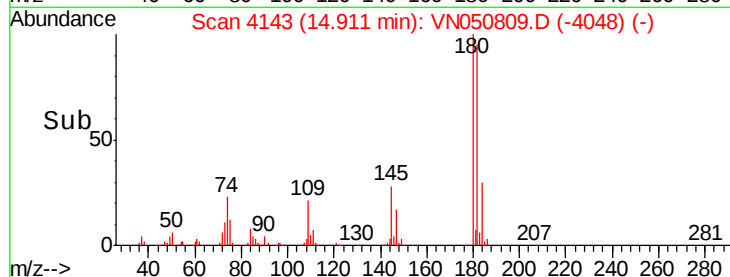
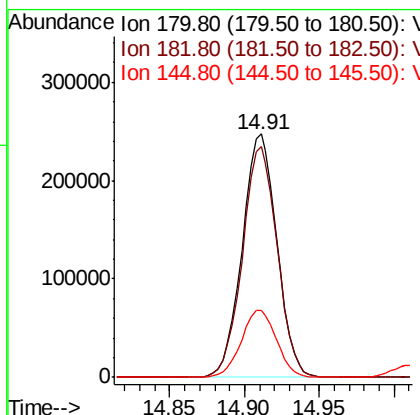
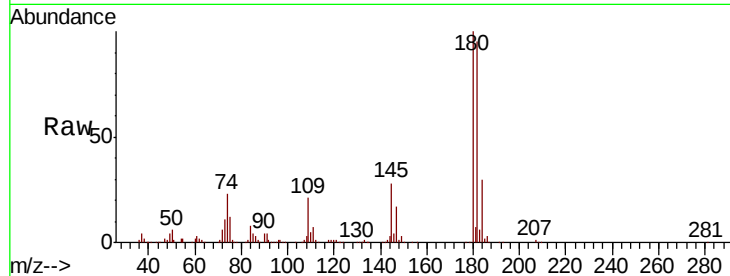
#93
 1,2,4-Trichlorobenzene
 Concen: 47.36 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	398767		
182	95.2	48.2	144.6	
145	28.0	14.1	42.2	

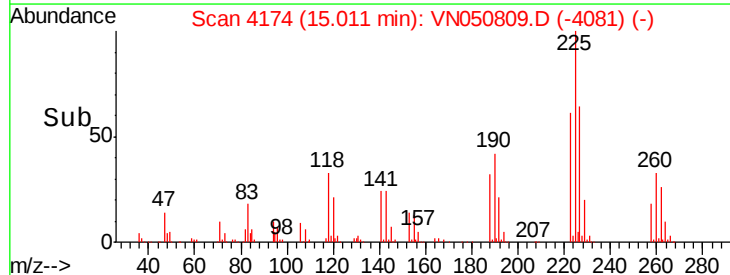
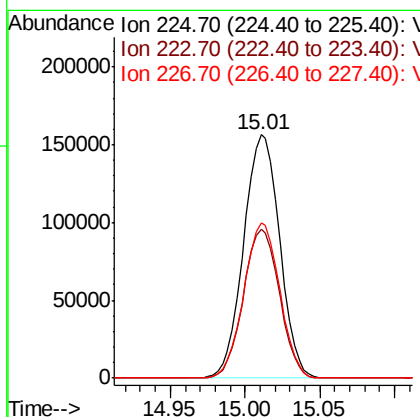
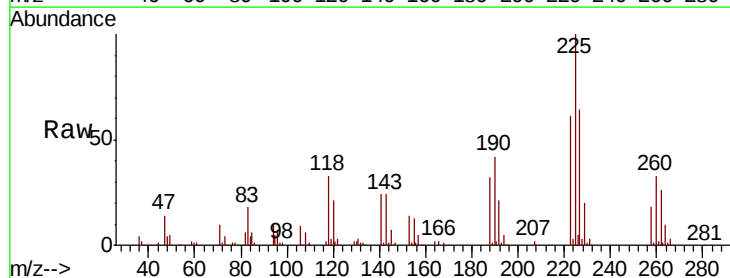
Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 10:52:25 AM



#94
 Hexachlorobutadiene
 Concen: 54.56 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	262568		
223	61.3	31.3	93.8	
227	63.5	32.0	96.2	





#95

Naphthalene

Concen: 43.39 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

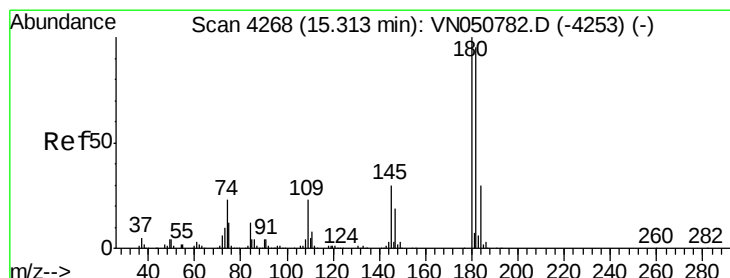
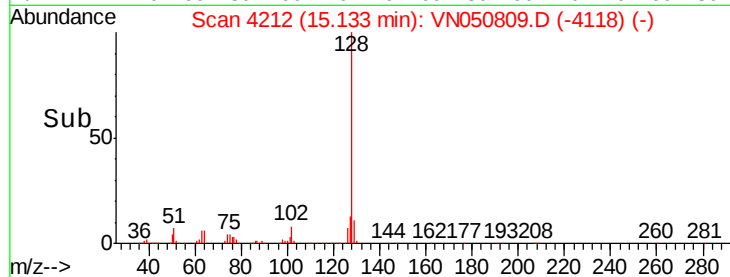
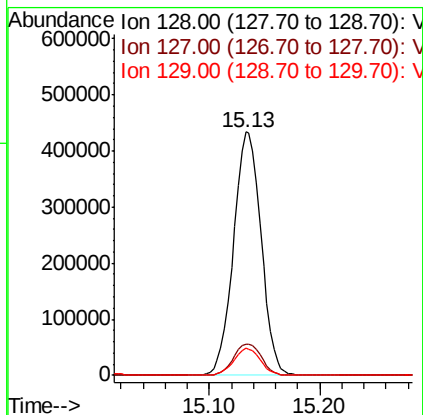
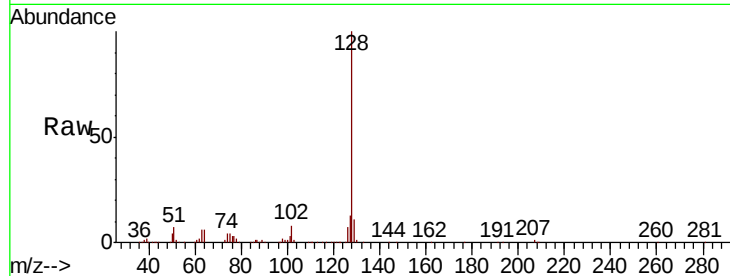
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		751281		
127	13.3		10.5	15.7	
129	10.8		8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
8/23/2018 10:52:25 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.28 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		382002		
182	96.6		48.0	144.2	
145	30.3		15.2	45.6	

