

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058420.D
 Acq On : 30 Sep 2019 9:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:11 AM

Quant Time: Oct 01 01:49:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	462518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	769003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	702974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	345253	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	327701	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.57	113	238513	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.08	98	938400	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.40	95	349248	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	239527	47.230	ug/l	98
3) Chloromethane	2.03	50	267193	47.923	ug/l	99
4) Vinyl Chloride	2.17	62	260180	47.636	ug/l	98
5) Bromomethane	2.55	94	145470	50.143	ug/l	99
6) Chloroethane	2.69	64	153847	47.011	ug/l	96
7) Trichlorofluoromethane	3.00	101	318802	48.368	ug/l	97
8) Diethyl Ether	3.39	74	136942	48.154	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	217823	48.662	ug/l	98
10) Methyl Iodide	3.93	142	242690	48.896	ug/l	99
11) Tert butyl alcohol	4.75	59	181420	241.615	ug/l	99
12) 1,1-Dichloroethene	3.72	96	208945	47.888	ug/l	99
13) Acrolein	3.58	56	53761	225.111	ug/l	99
14) Allyl chloride	4.30	41	392917	49.484	ug/l	99
15) Acrylonitrile	4.95	53	522936	238.963	ug/l	99
16) Acetone	3.79	43	631993	274.295	ug/l	99
17) Carbon Disulfide	4.03	76	600898	52.246	ug/l	99
18) Methyl Acetate	4.29	43	250737	43.268	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	731203	47.497	ug/l	98
20) Methylene Chloride	4.53	84	250105	47.037	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	236375	48.718	ug/l	99
22) Diisopropyl ether	5.92	45	831361	48.655	ug/l	96
23) Vinyl Acetate	5.87	43	3380859	262.414	ug/l	100
24) 1,1-Dichloroethane	5.82	63	474652	49.359	ug/l	100
25) 2-Butanone	6.81	43	780745	246.805	ug/l	100
26) 2,2-Dichloropropane	6.80	77	402241	50.880	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	275521	48.587	ug/l	99
28) Bromochloromethane	7.17	49	191080	49.710	ug/l	97
29) Tetrahydrofuran	7.19	42	461482	229.846	ug/l	99
30) Chloroform	7.35	83	476744	48.924	ug/l	100
31) Cyclohexane	7.63	56	435969	46.607	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	405622	50.689	ug/l	100
36) 1,1-Dichloropropene	7.77	75	367653	49.999	ug/l	100
37) Ethyl Acetate	6.91	43	308448	49.476	ug/l	100
38) Carbon Tetrachloride	7.75	117	341945	51.519	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	442442	51.525	ug/l	99
40) Benzene	8.02	78	1058658	50.087	ug/l	100
41) Methacrylonitrile	7.15	41	150410m	52.443	ug/l	
42) 1,2-Dichloroethane	8.11	62	404428	49.181	ug/l	99
43) Isopropyl Acetate	8.15	43	542087	46.240	ug/l	99
44) Trichloroethene	8.82	130	262096	50.220	ug/l	96
45) 1,2-Dichloropropane	9.11	63	287743	50.760	ug/l	100
46) Dibromomethane	9.20	93	179325	49.953	ug/l	99
47) Bromodichloromethane	9.39	83	370616	54.489	ug/l	99
48) Methyl methacrylate	9.19	41	254904	47.751	ug/l	98
49) 1,4-Dioxane	9.19	88	82893	1161.323	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1540623	255.839	ug/l	99
52) Toluene	10.15	92	668916	50.280	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	411074	55.527	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	448235	54.544	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	248054	51.207	ug/l	99
56) Ethyl methacrylate	10.43	69	381303	51.874	ug/l	99
57) 1,3-Dichloropropane	10.70	76	443242	51.297	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	744374	253.964	ug/l	100
59) 2-Hexanone	10.75	43	1154036	263.190	ug/l	100
60) Dibromochloromethane	10.90	129	260950	52.042	ug/l	97
61) 1,2-Dibromoethane	11.00	107	252065	50.925	ug/l	99
64) Tetrachloroethene	10.63	164	218259	48.869	ug/l	98
65) Chlorobenzene	11.43	112	695689	49.786	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	249386	52.971	ug/l	99
67) Ethyl Benzene	11.51	91	1301613	51.427	ug/l	99
68) m/p-Xylenes	11.62	106	967180	101.566	ug/l	99
69) o-Xylene	11.95	106	455711	49.713	ug/l	96
70) Styrene	11.97	104	789690	53.027	ug/l	99
71) Bromoform	12.13	173	163894	50.369	ug/l #	99
73) Isopropylbenzene	12.25	105	1273019	49.893	ug/l	100
74) N-amyl acetate	12.07	43	488331	48.109	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	350678	46.479	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	304308m	48.256	ug/l	
77) Bromobenzene	12.53	156	286353	47.863	ug/l	98
78) n-propylbenzene	12.59	91	1515118	52.708	ug/l	100
79) 2-Chlorotoluene	12.68	91	872733	49.188	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1093912	51.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	106688	51.383	ug/l	99
82) 4-Chlorotoluene	12.78	91	919559	50.791	ug/l	100
83) tert-Butylbenzene	13.00	119	904165	50.168	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1096734	51.251	ug/l	99
85) sec-Butylbenzene	13.18	105	1244982	52.483	ug/l	99
86) p-Isopropyltoluene	13.29	119	1124629	53.860	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	539694	49.749	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	538530	49.895	ug/l	99
89) n-Butylbenzene	13.62	91	1022446	54.056	ug/l	100
90) Hexachloroethane	13.88	117	179456	57.201	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	517569	49.655	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	66731	50.155	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	317268	55.082	ug/l	100
94) Hexachlorobutadiene	15.02	225	143718	48.545	ug/l	98
95) Naphthalene	15.13	128	815203	48.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	292094	50.582	ug/l	100

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

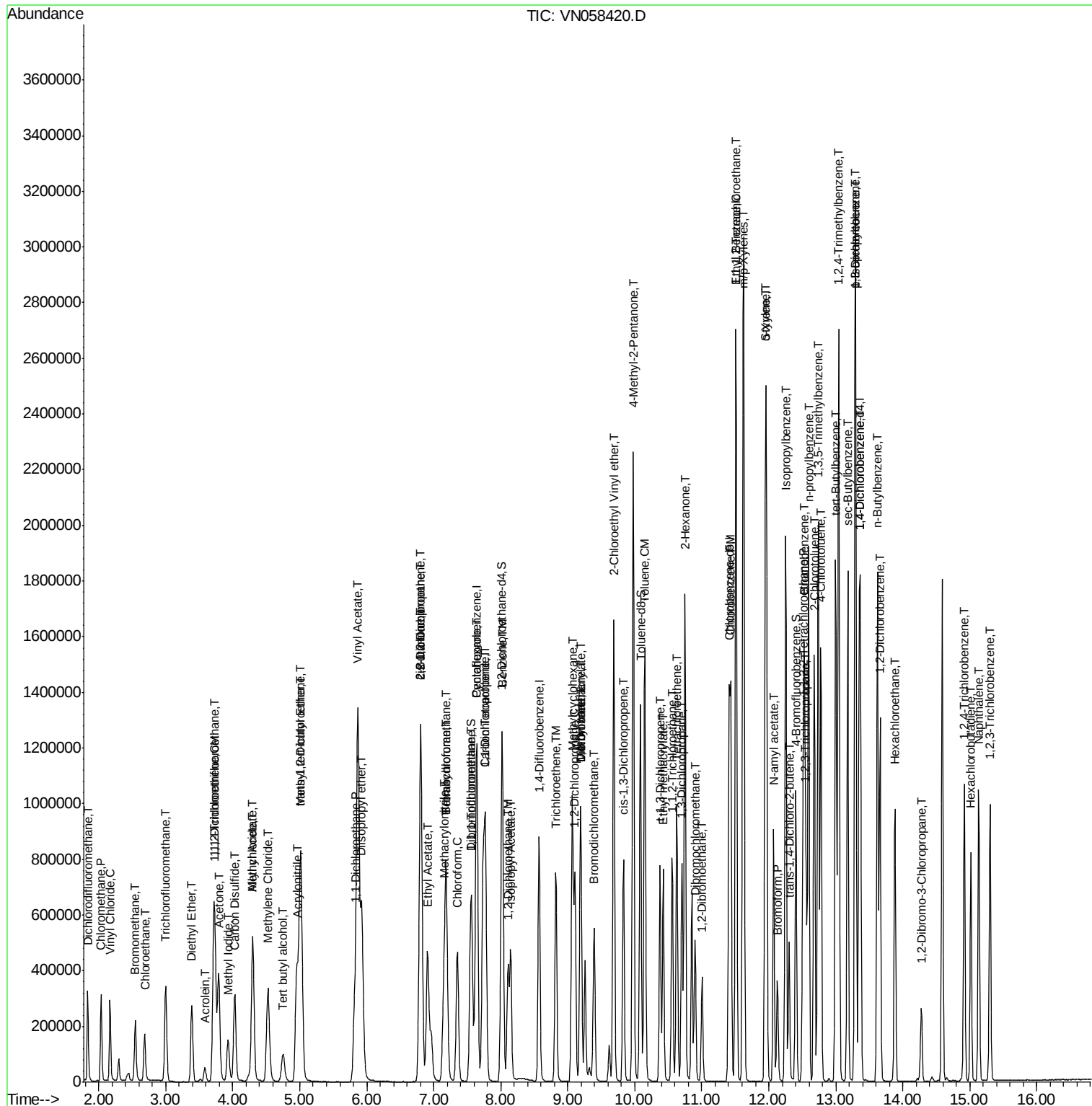
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Data File : VN058420.D
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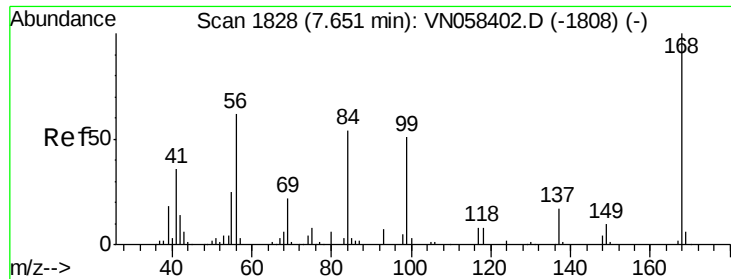
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 462518

Ion Ratio Lower Upper

168 100

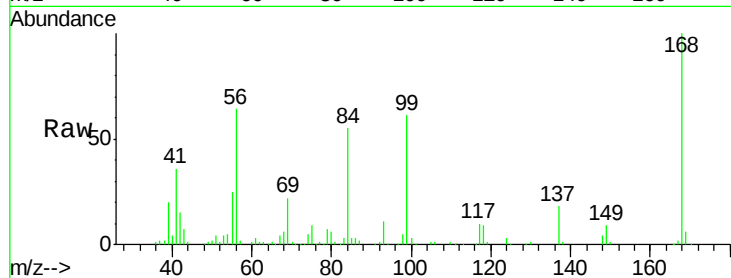
99 60.4 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

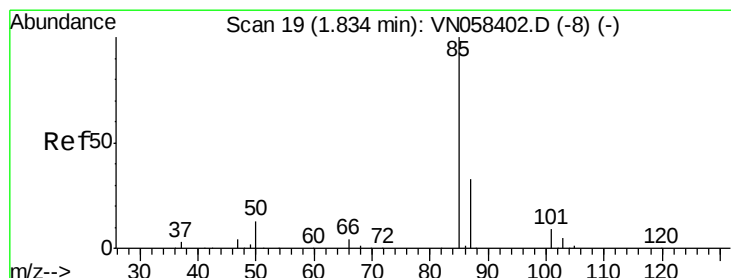
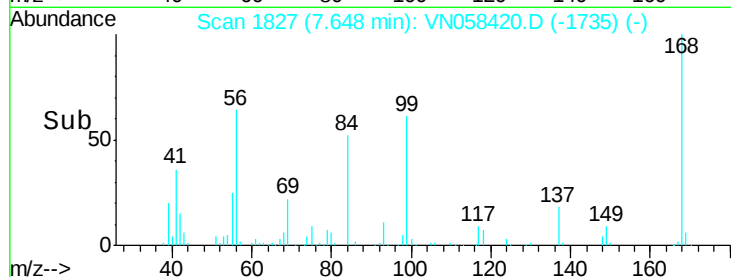
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.230 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058420.D

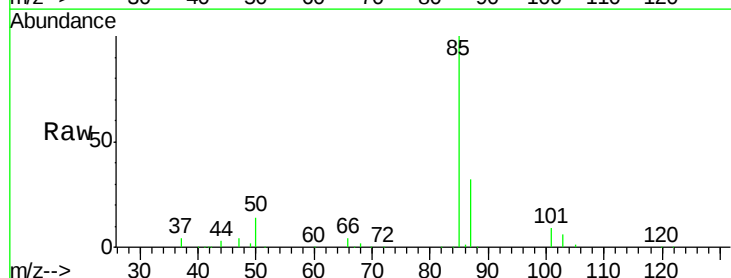
Acq: 30 Sep 2019 9:27

Tgt Ion: 85 Resp: 239527

Ion Ratio Lower Upper

85 100

87 31.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

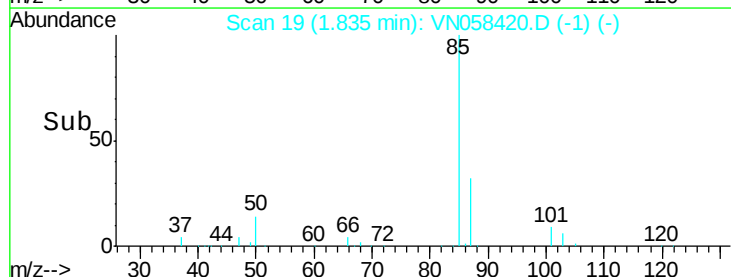
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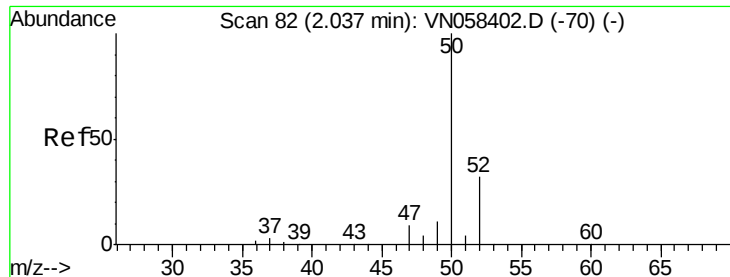
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 47.923 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Tot Ion: 50 Resp: 267193

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9

Instrument :

MSVOA_N

ClientSampleId :

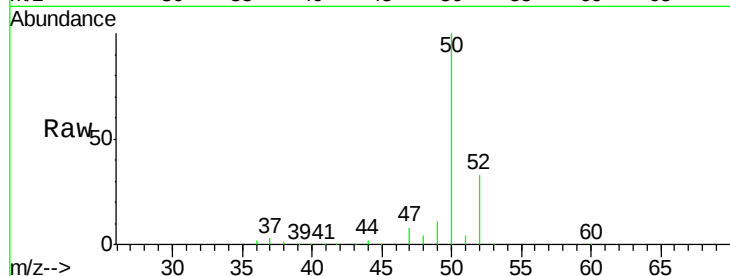
VSTDCCC050

Manual Integrations

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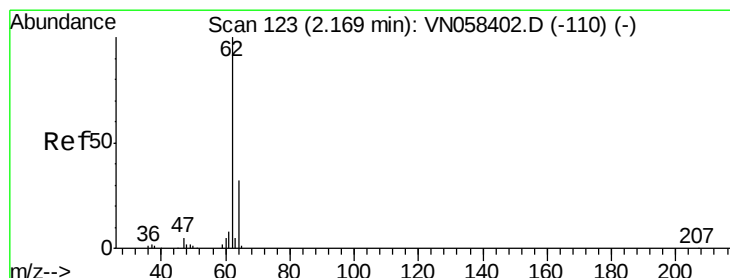
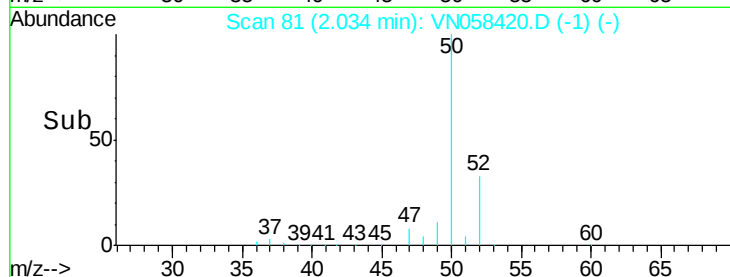
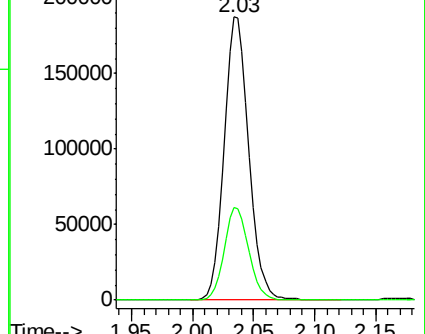
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.636 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058420.D

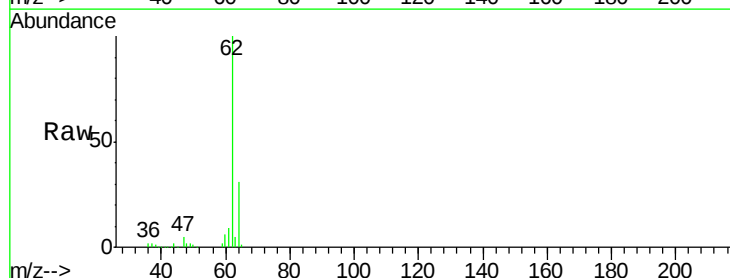
Acq: 30 Sep 2019 9:27

Tgt Ion: 62 Resp: 260180

Ion Ratio Lower Upper

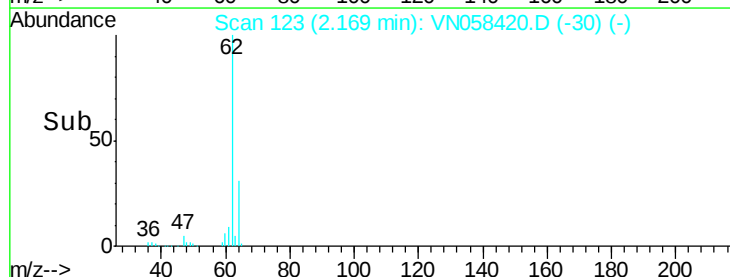
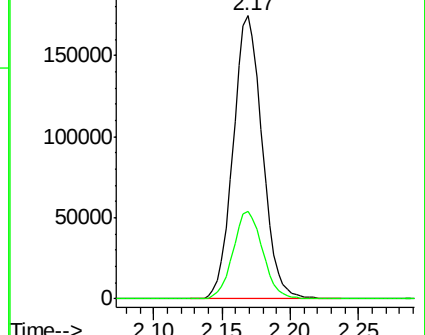
62 100

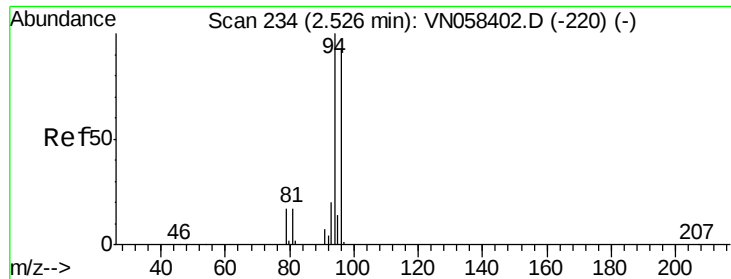
64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.143 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

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VSTDCCC050

Tot Ion: 94 Resp: 145470

Ion Ratio Lower Upper

94 100

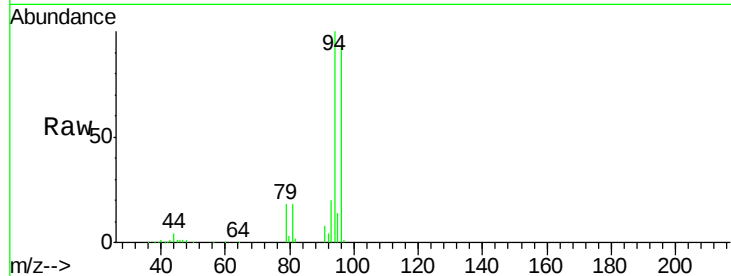
96 92.9 74.8 112.2

Manual Integrations

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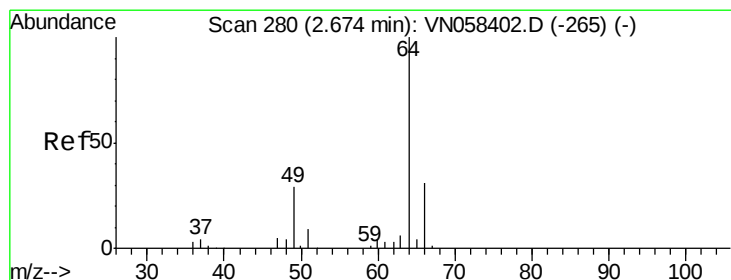
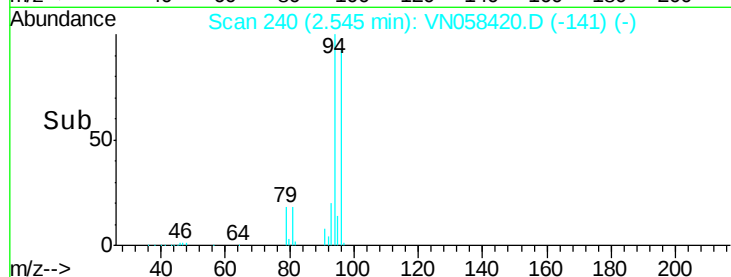
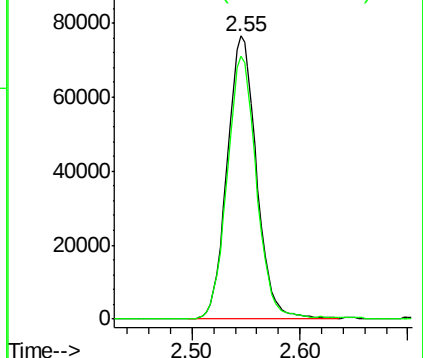
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.011 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058420.D

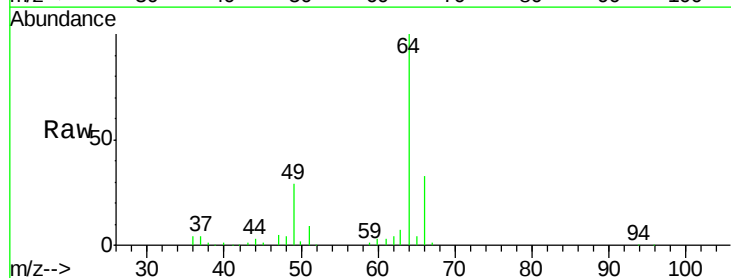
Acq: 30 Sep 2019 9:27

Tgt Ion: 64 Resp: 153847

Ion Ratio Lower Upper

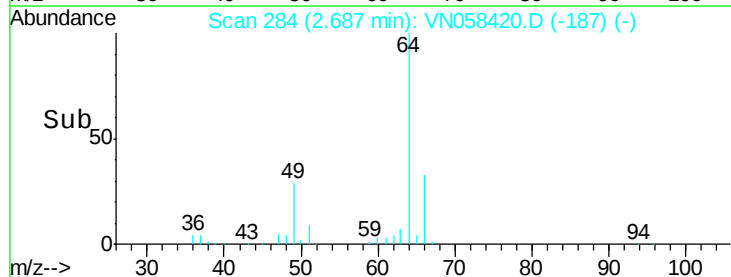
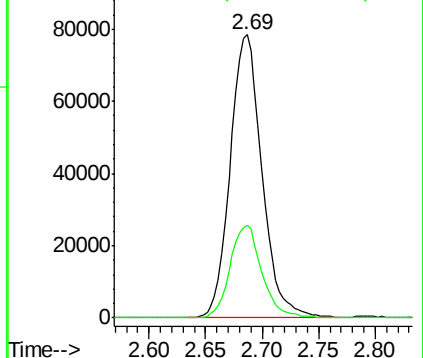
64 100

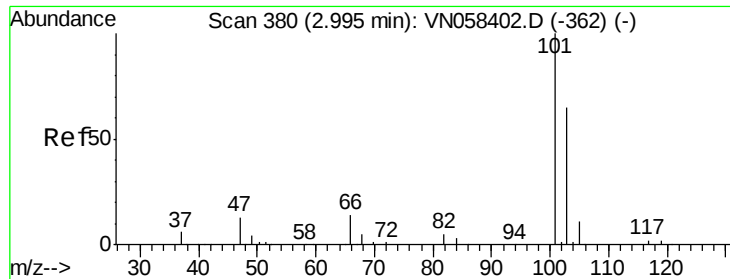
66 32.9 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

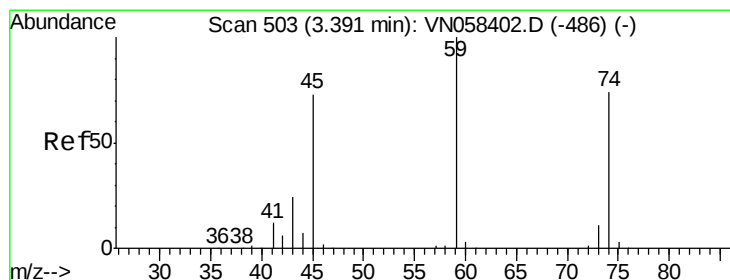
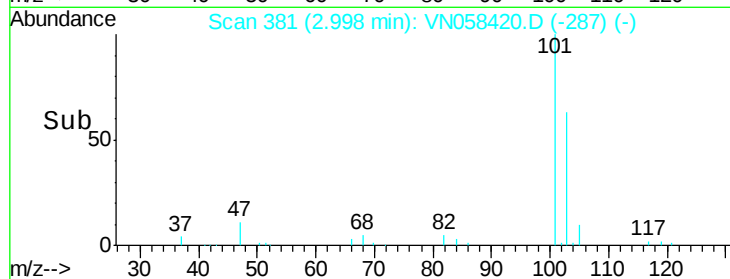
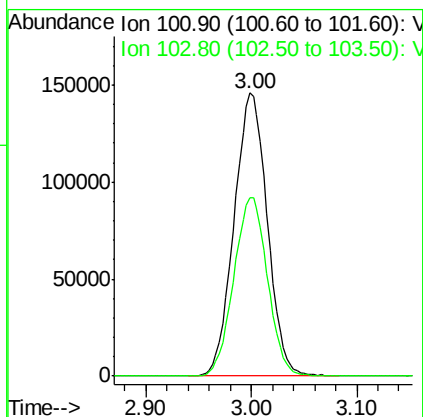
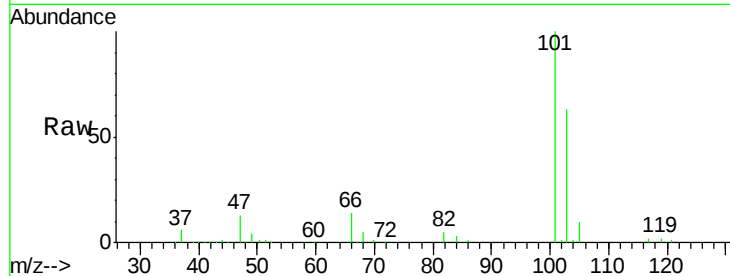
Trichlorofluoromethane
 Concen: 48.368 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
318802	101	100			
	103	63.2	52.3	78.5	

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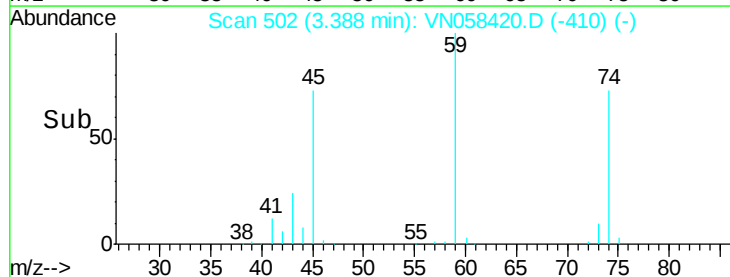
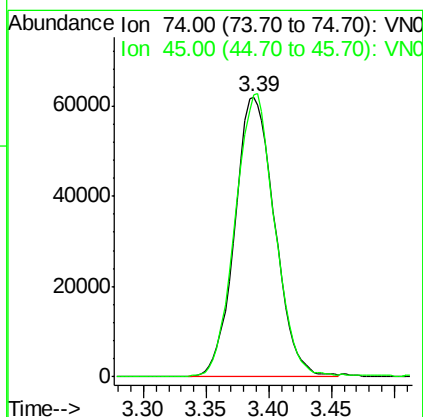
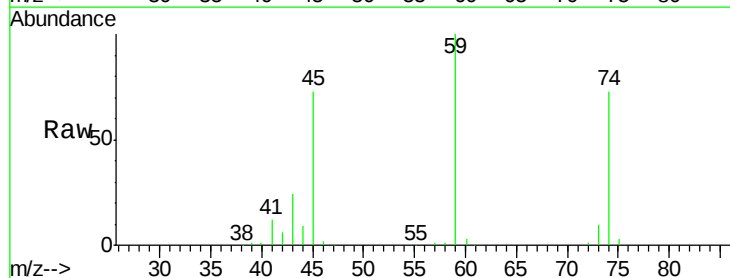
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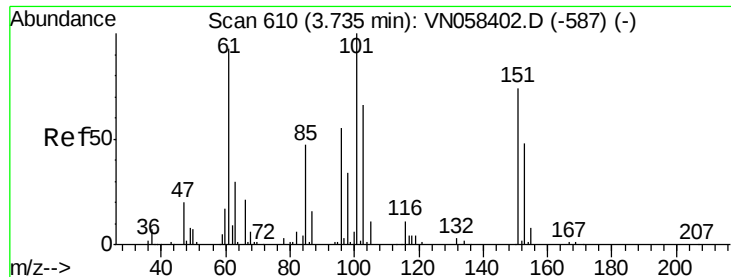


#8

Diethyl Ether
 Concen: 48.154 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136942	74	100			
	45	100.5	50.5	151.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.662 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

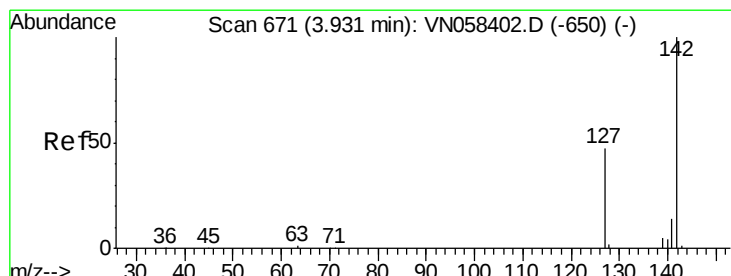
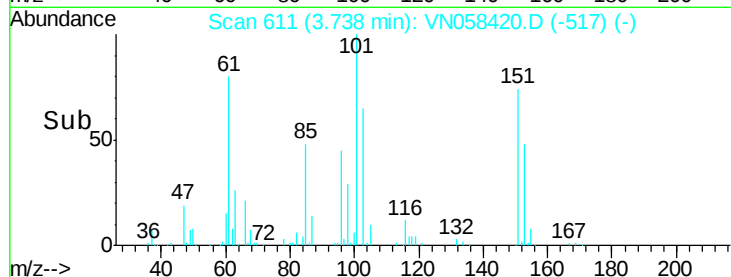
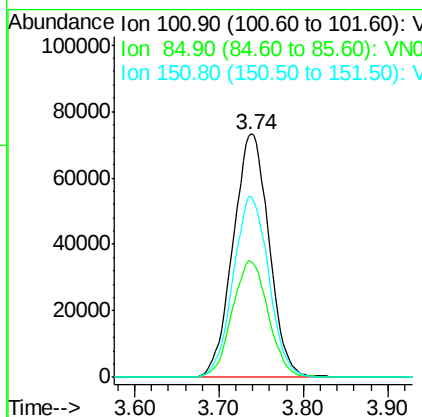
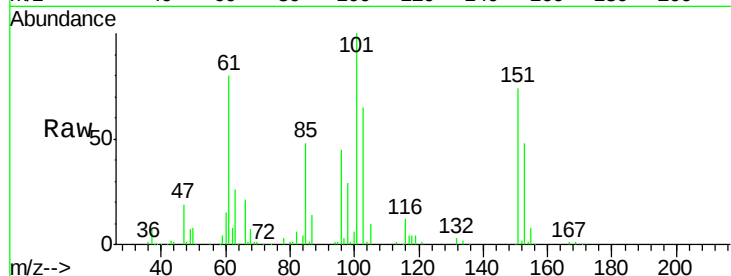
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	217823
Ion Ratio	Lower	Upper	
101	100		
85	47.9	36.7	55.1
151	73.3	59.4	89.0

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#10

Methyl Iodide

Concen: 48.896 ug/l

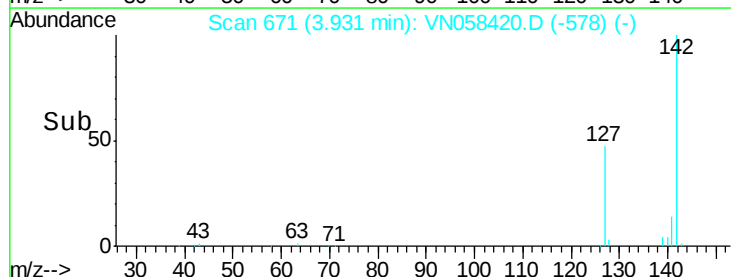
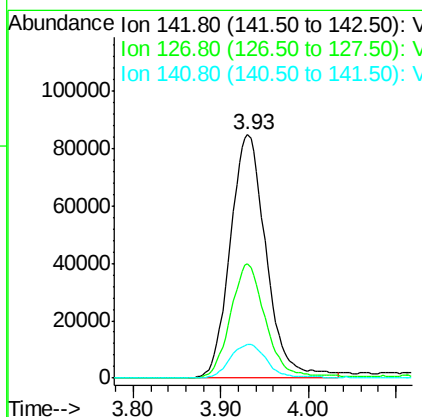
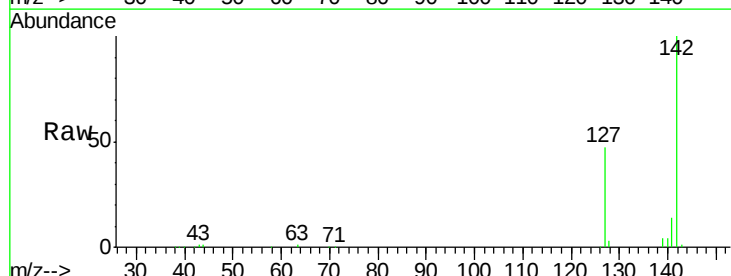
RT: 3.93 min Scan# 671

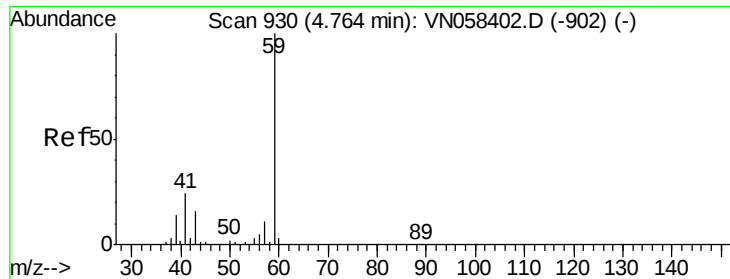
Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Tgt Ion:	142	Resp:	242690
Ion Ratio	Lower	Upper	
142	100		
127	45.5	37.2	55.8
141	14.3	11.3	16.9





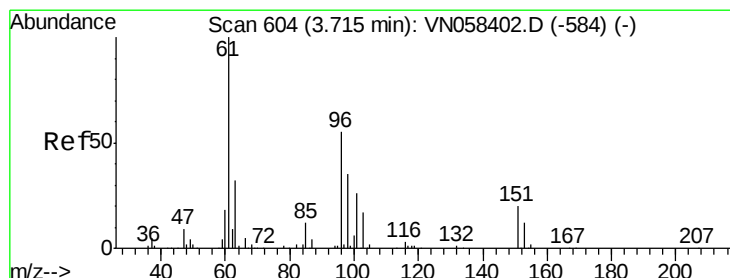
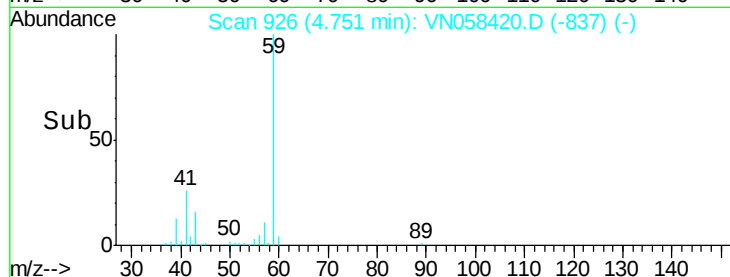
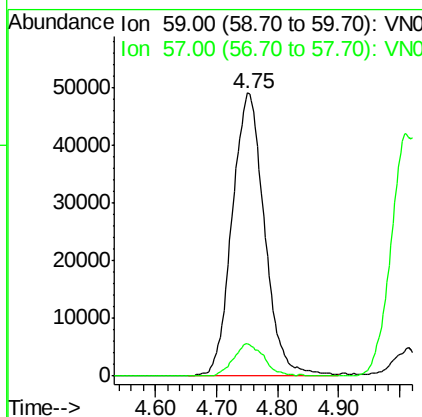
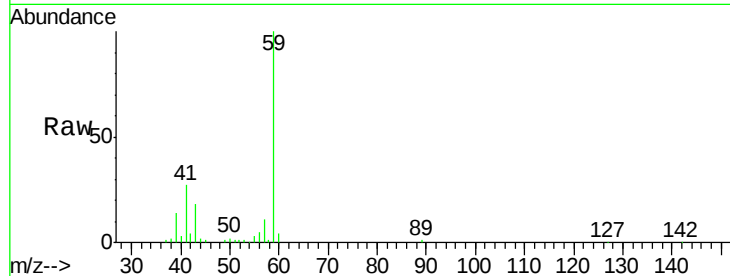
#11
Tert butyl alcohol
Concen: 241.615 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.01 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	181420
Ion Ratio	100	Lower	Upper
57	10.7	9.0	13.4

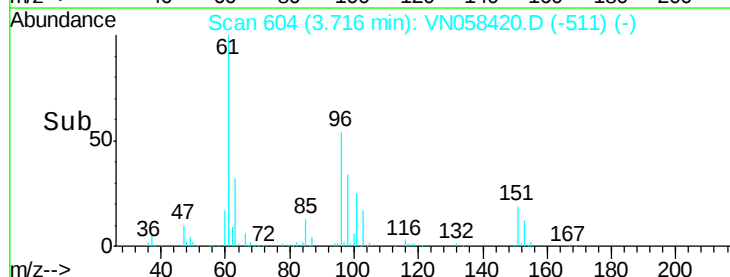
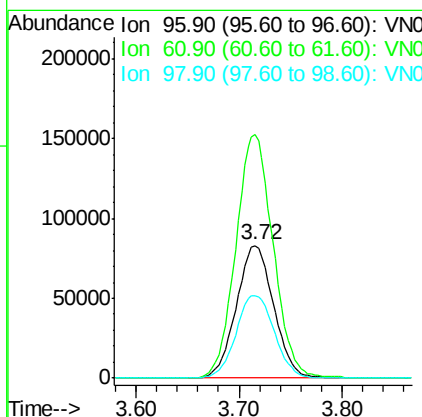
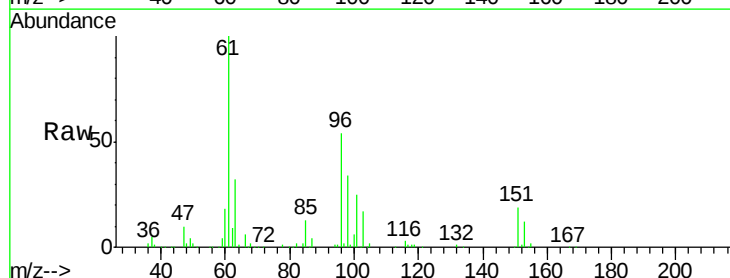
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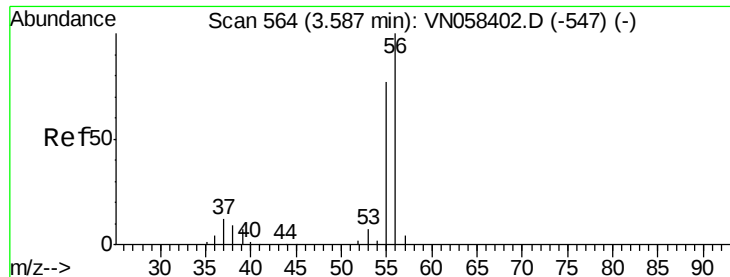
MMDadoda
10/2/2019 9:22:11 AM



#12
1,1-Dichloroethene
Concen: 47.888 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	96	Resp	208945
Ion Ratio	100	Lower	Upper
61	183.5	146.7	220.1
98	62.0	51.3	76.9





#13

Acrolein

Concen: 225.111 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 53761

Ion Ratio Lower Upper

56 100

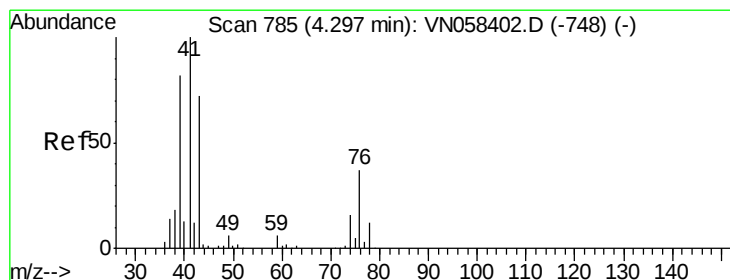
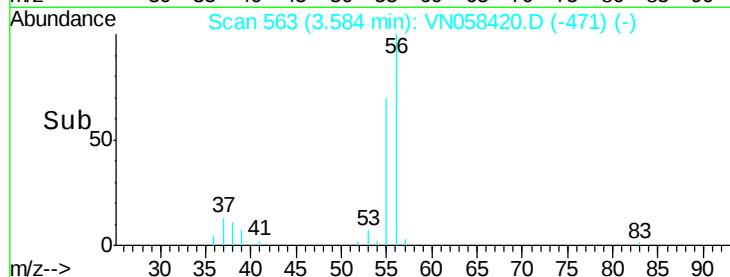
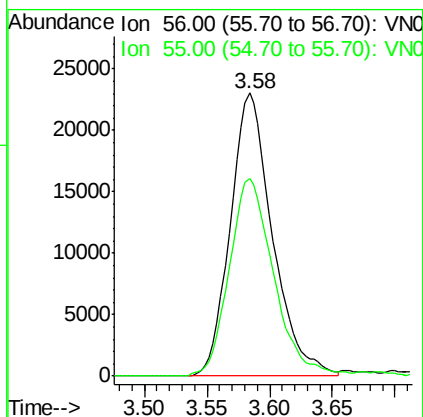
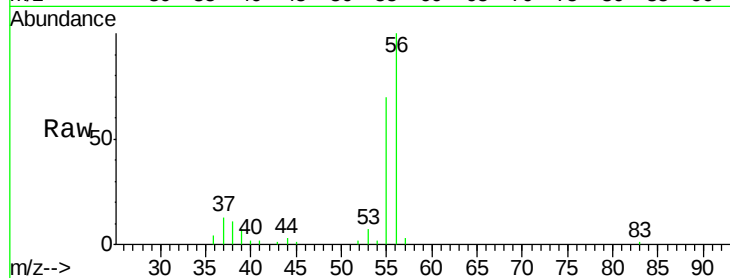
55 73.5 58.3 87.5

Manual Integrations

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#14

Allyl chloride

Concen: 49.484 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

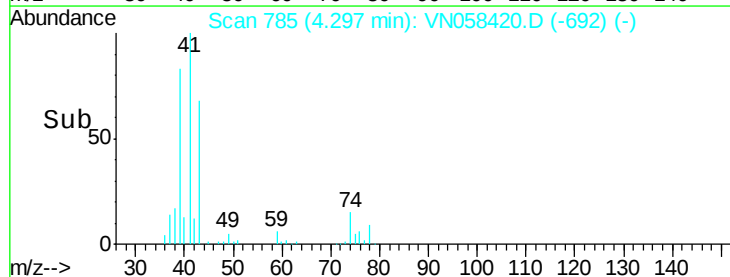
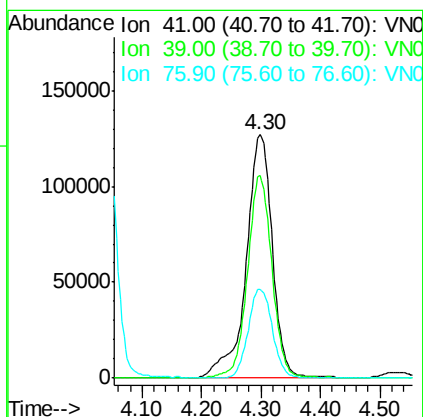
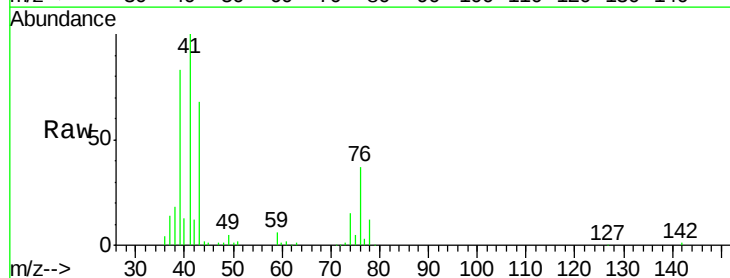
Tgt Ion: 41 Resp: 392917

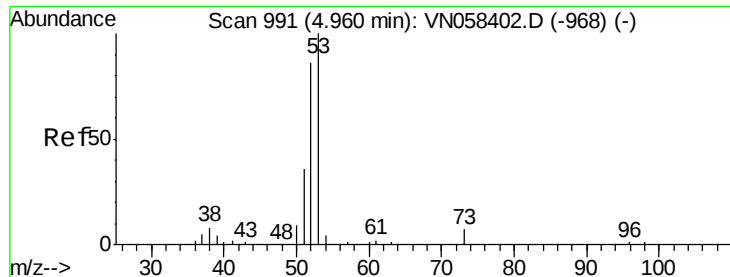
Ion Ratio Lower Upper

41 100

39 77.5 62.3 93.5

76 33.2 26.9 40.3





#15

Acrylonitrile

Concen: 238.963 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

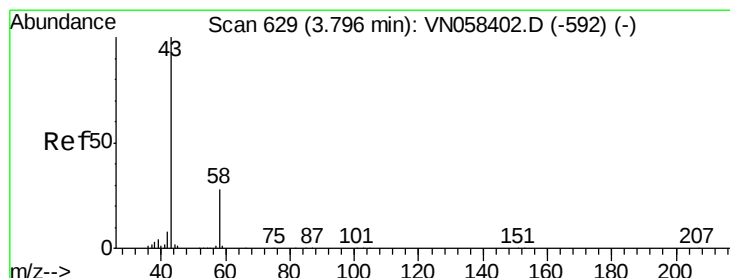
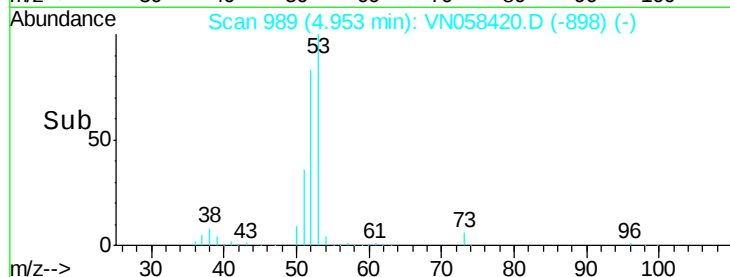
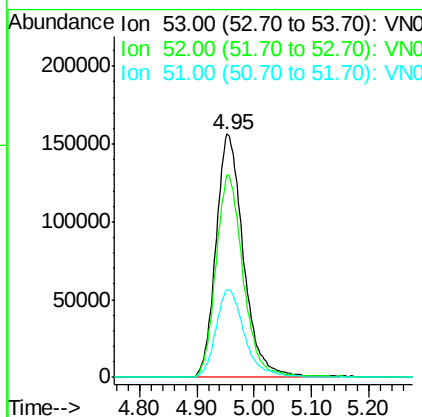
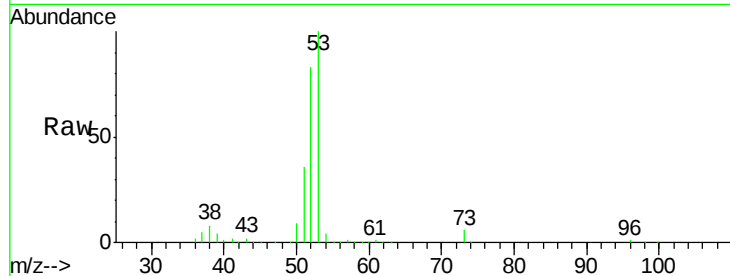
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	522936
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.6	100.0
51	37.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 274.295 ug/l

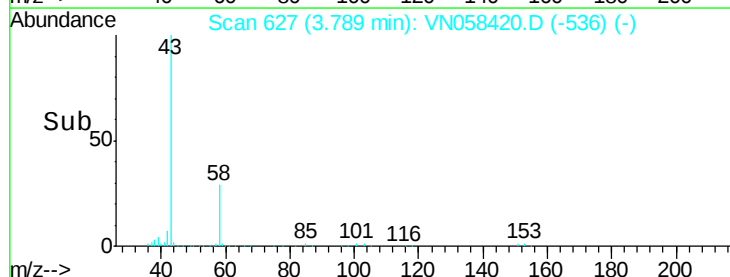
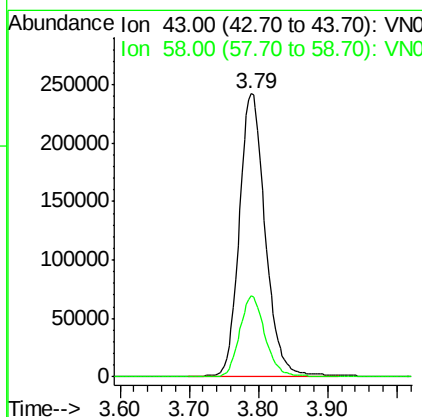
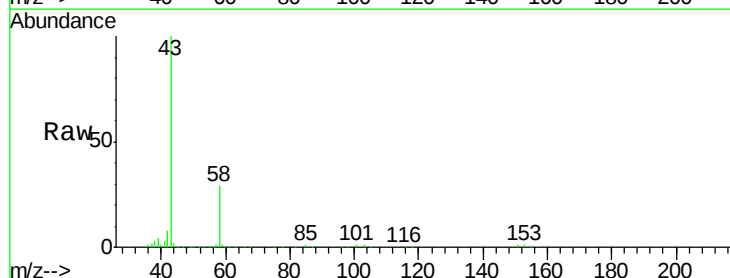
RT: 3.79 min Scan# 627

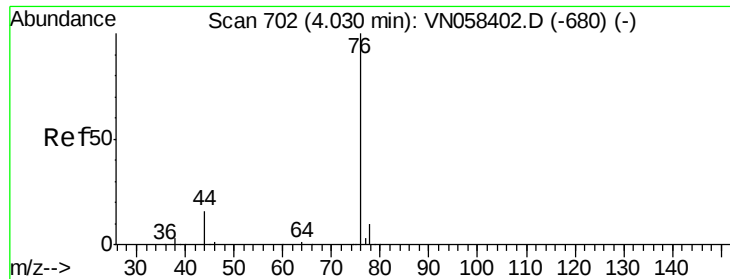
Delta R.T. -0.01 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Tgt Ion:	43	Resp:	631993
Ion Ratio	Lower	Upper	
43	100		
58	28.5	22.4	33.6





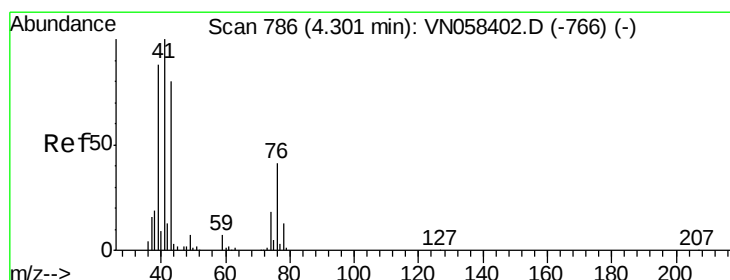
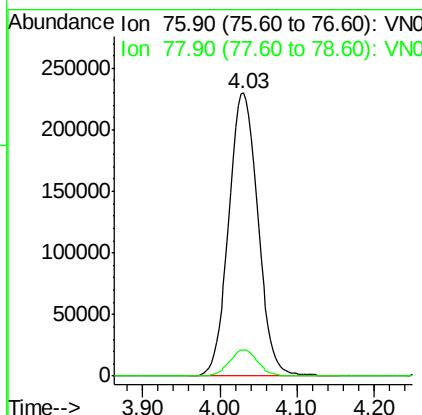
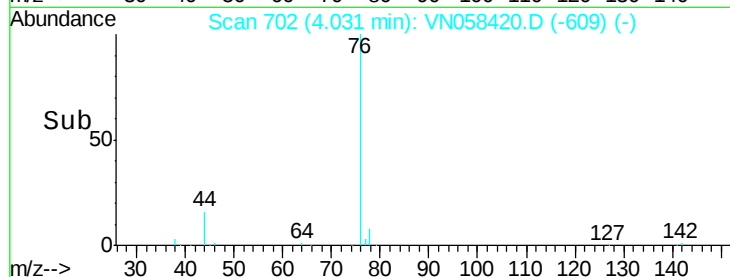
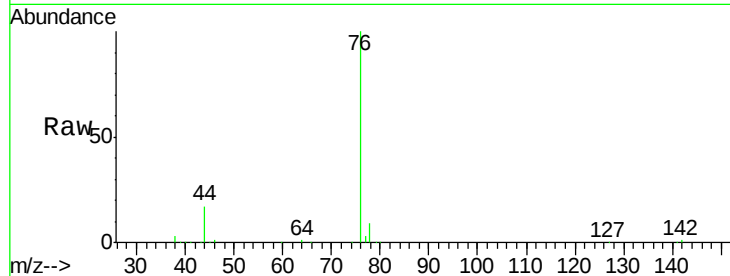
#17
Carbon Disulfide
Concen: 52.246 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.7	11.5

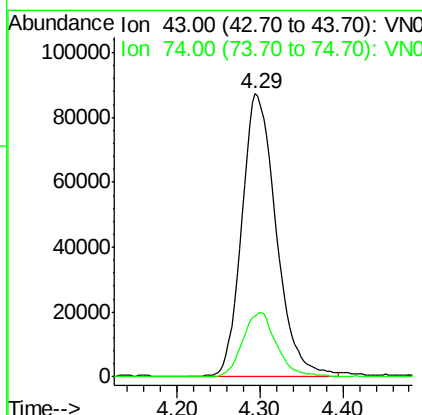
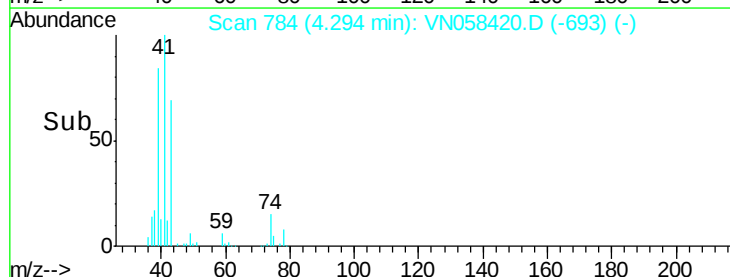
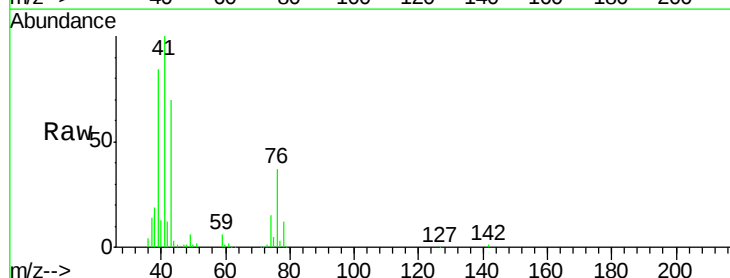
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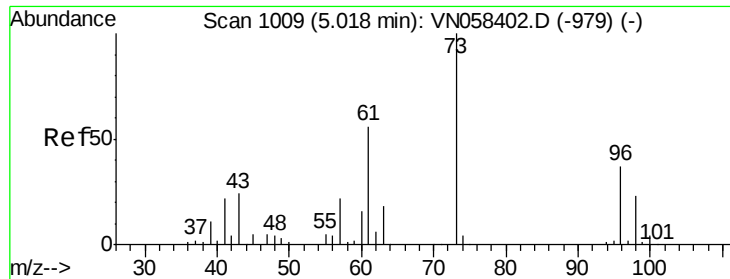
MMDadoda
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#18
Methyl Acetate
Concen: 43.268 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.01 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.0	27.0





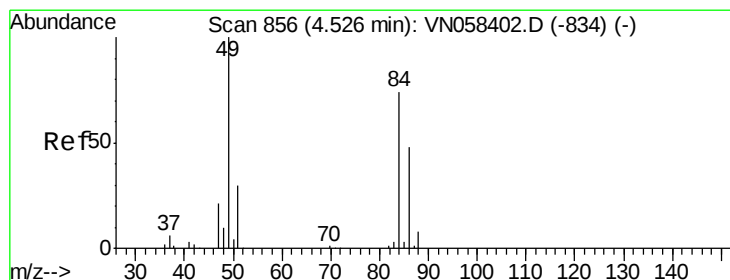
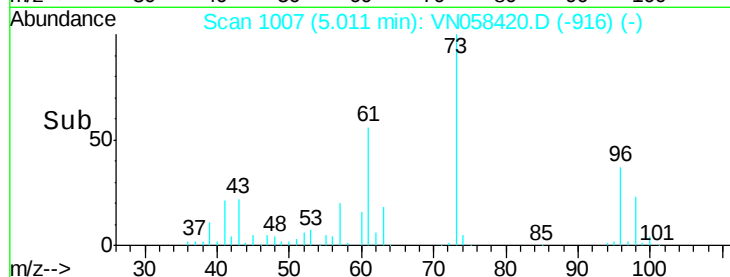
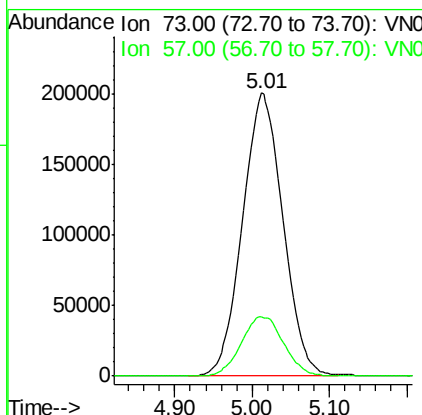
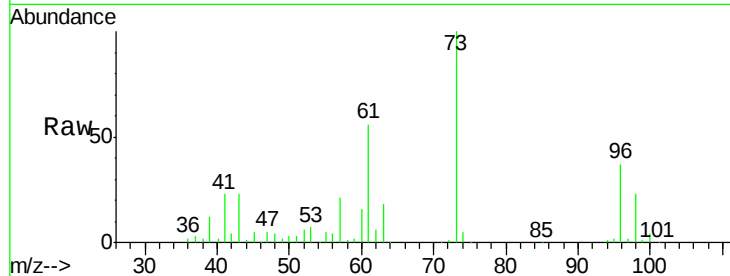
#19
Methyl tert-butyl Ether
Concen: 47.497 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 731203
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4

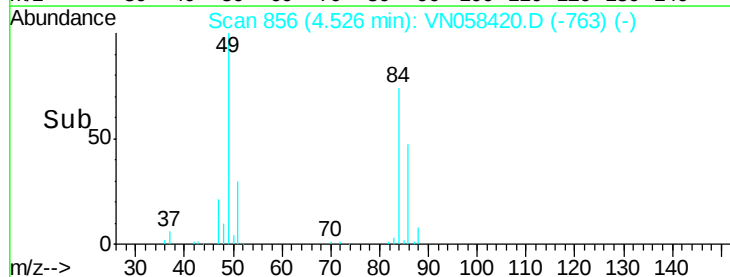
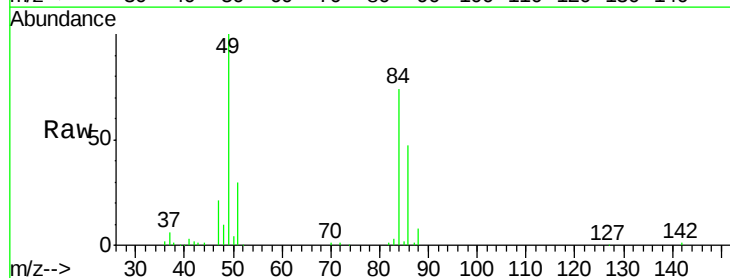
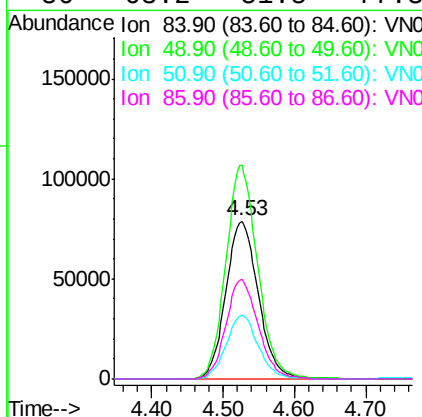
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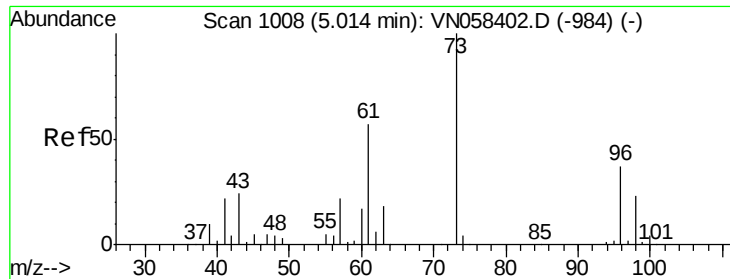
MMDadoda
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#20
Methylene Chloride
Concen: 47.037 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 84 Resp: 250105
Ion Ratio Lower Upper
84 100
49 135.4 107.9 161.9
51 40.6 32.8 49.2
86 63.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.718 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 236375

Ion Ratio Lower Upper

96 100

61 150.3 121.9 182.9

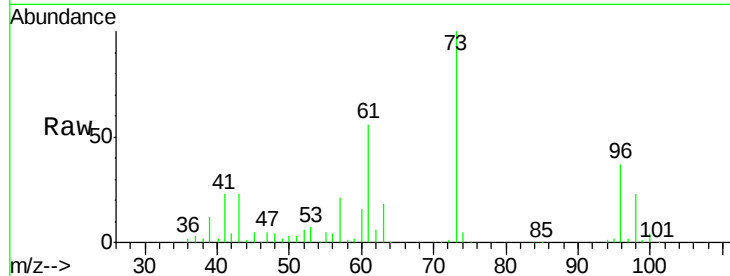
98 62.0 49.3 73.9

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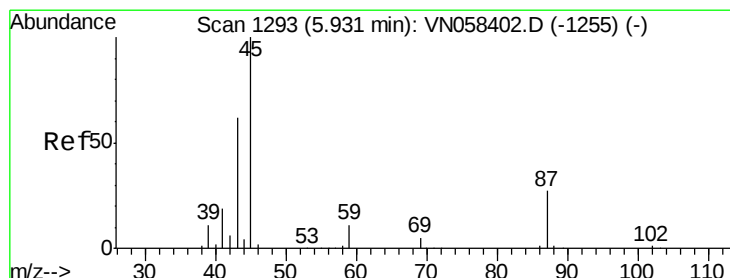
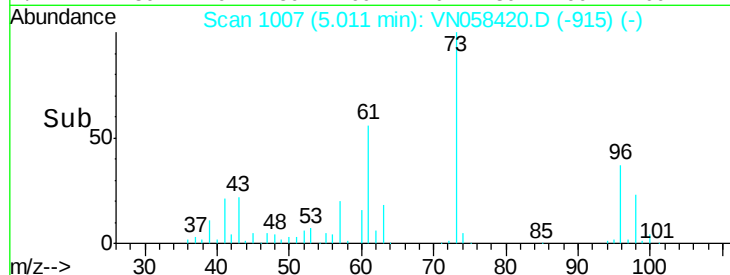
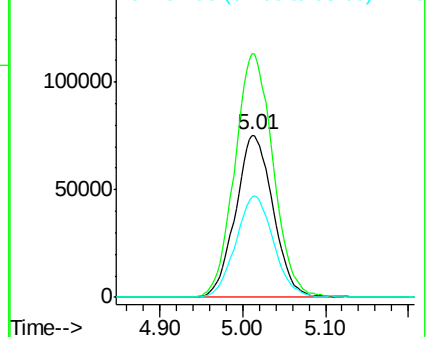


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 48.655 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Tgt Ion: 45 Resp: 831361

Ion Ratio Lower Upper

45 100

43 66.2 49.7 74.5

87 26.4 21.5 32.3

59 10.8 8.9 13.3

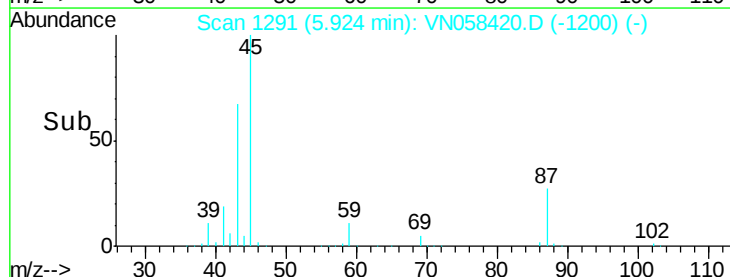
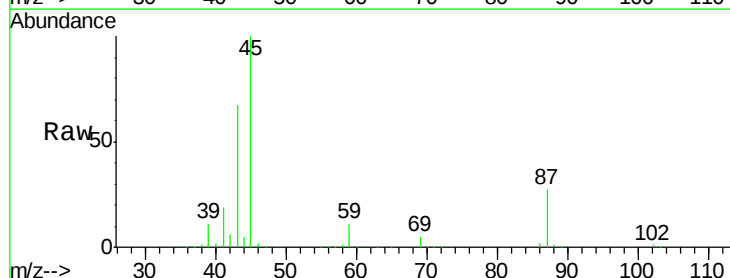
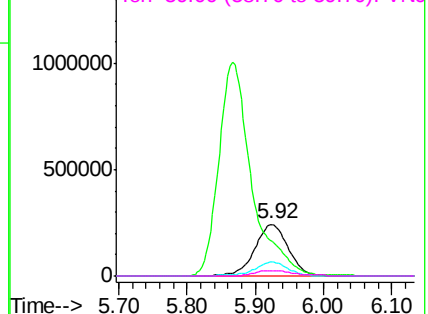
Abundance

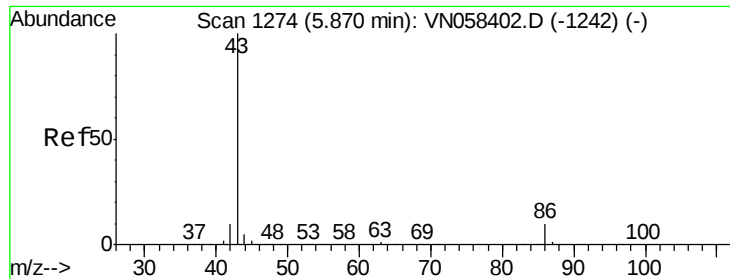
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





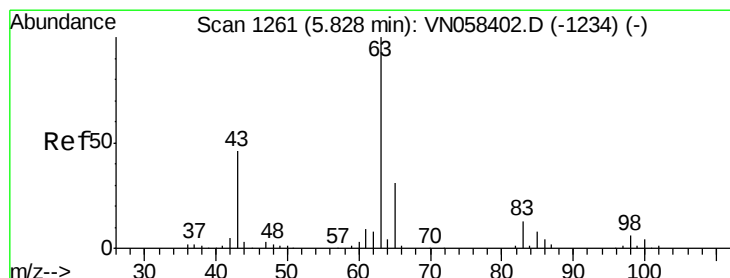
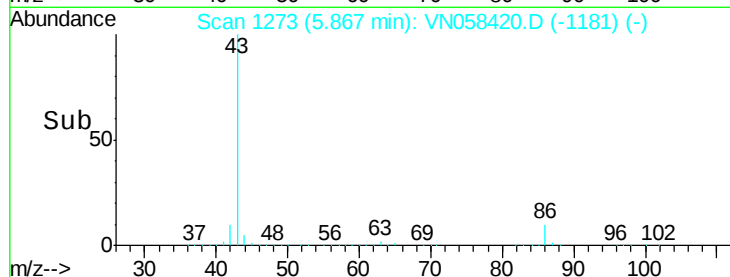
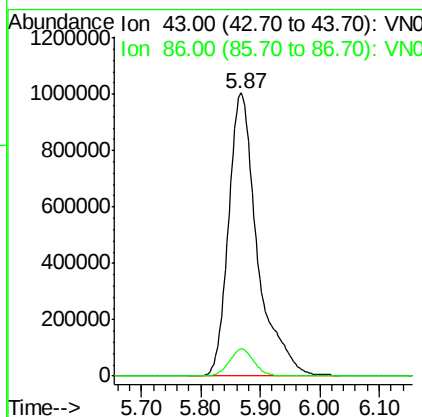
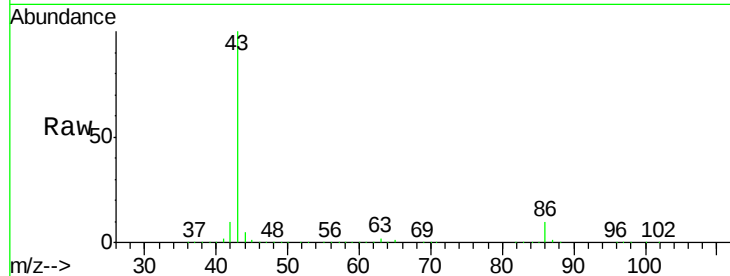
#23
 Vinyl Acetate
 Concen: 262.414 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3380859
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.7 11.5

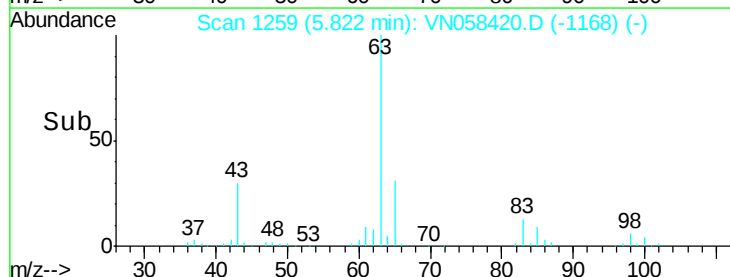
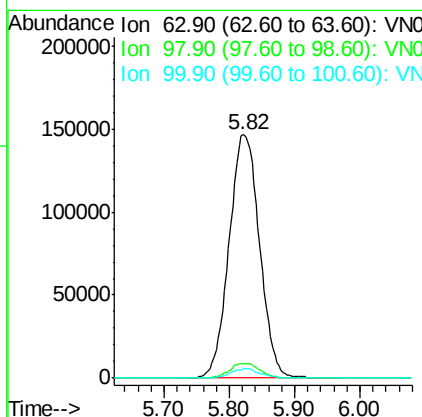
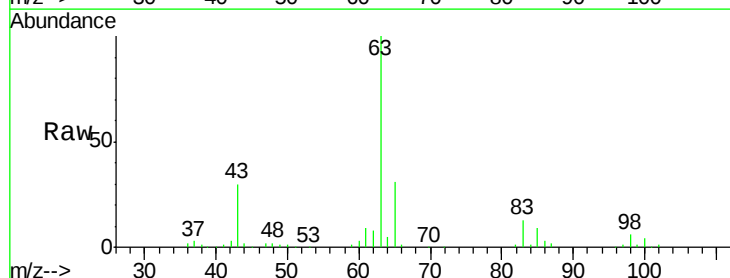
Manual Integrations
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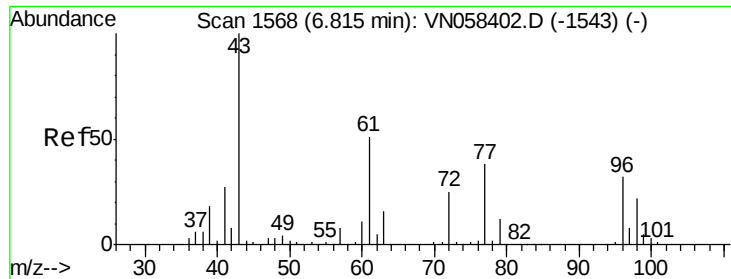
MMDadoda
 10/2/2019 9:22:11 AM



#24
 1,1-Dichloroethane
 Concen: 49.359 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion: 63 Resp: 474652
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 246.805 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 780745

Ion Ratio Lower Upper

43 100

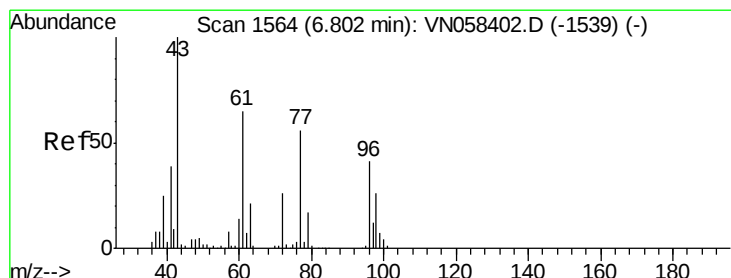
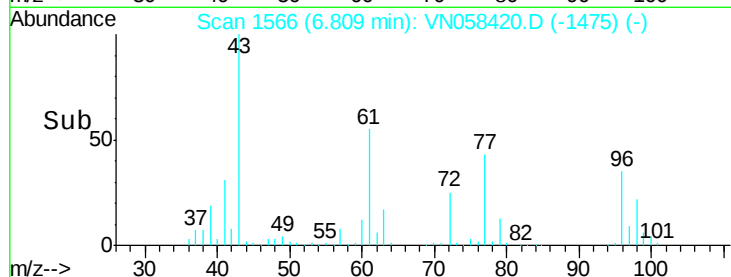
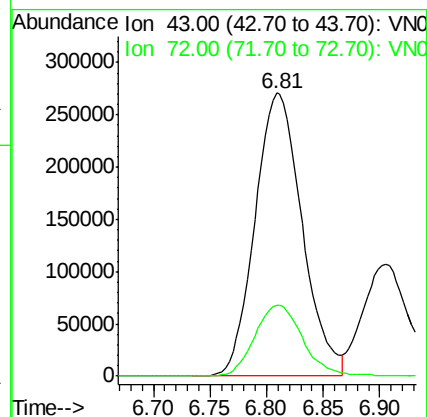
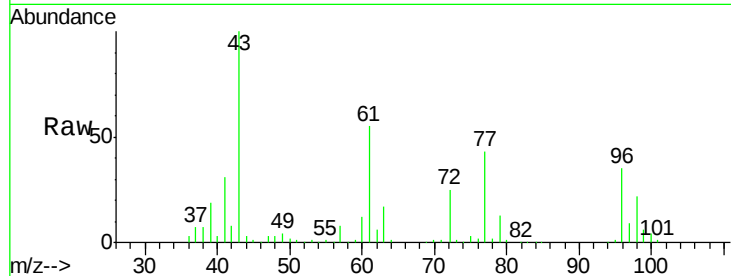
72 25.2 20.2 30.4

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#26

2,2-Dichloropropane

Concen: 50.880 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058420.D

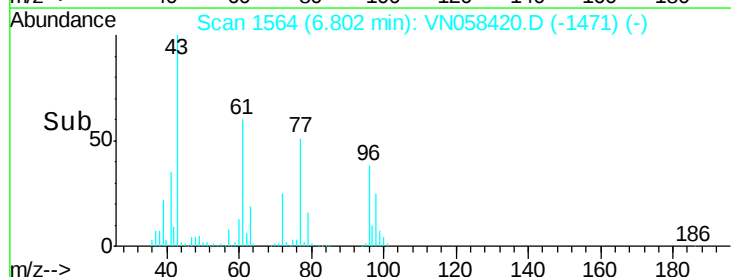
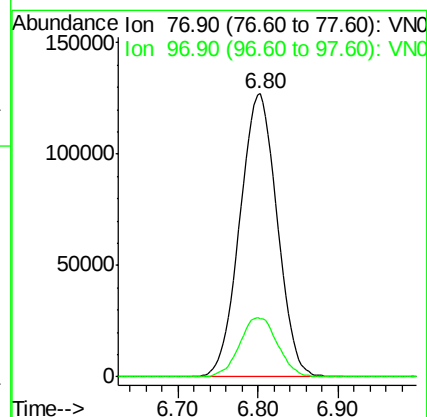
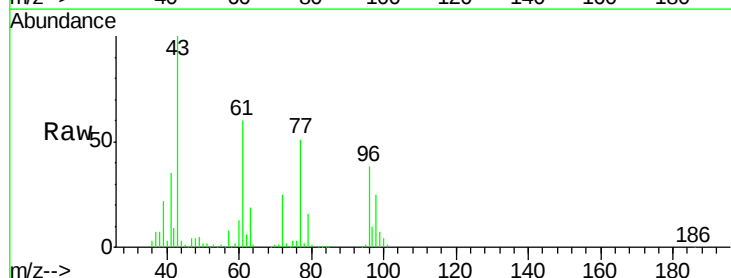
Acq: 30 Sep 2019 9:27

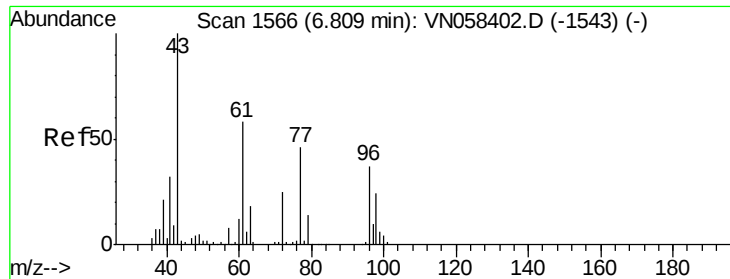
Tgt Ion: 77 Resp: 402241

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.6





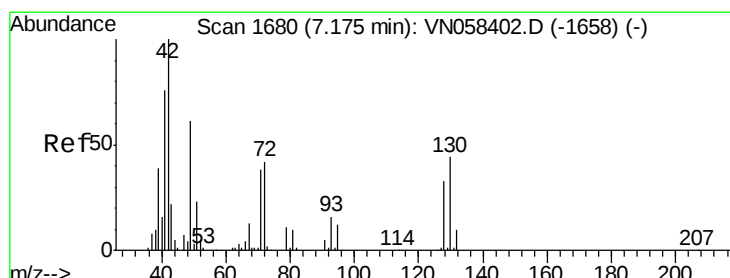
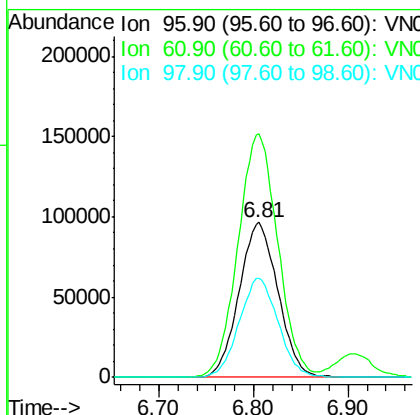
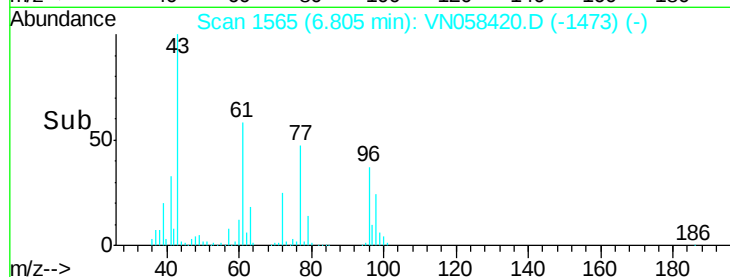
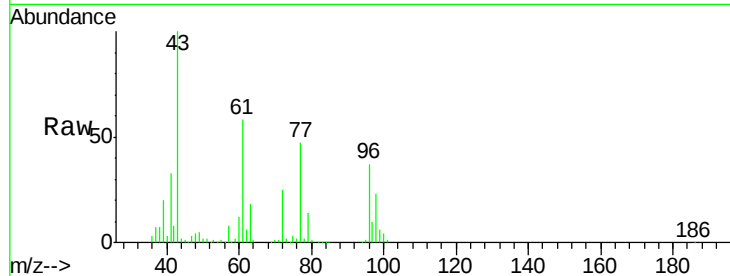
#27
 cis-1,2-Dichloroethene
 Concen: 48.587 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	275521		
61	160.6	0.0	318.8	
98	64.2	0.0	129.8	

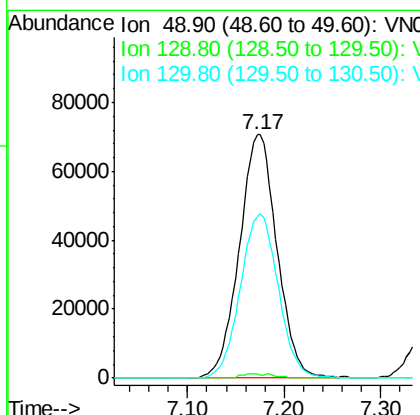
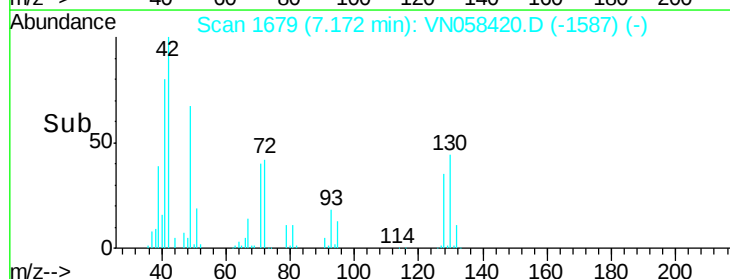
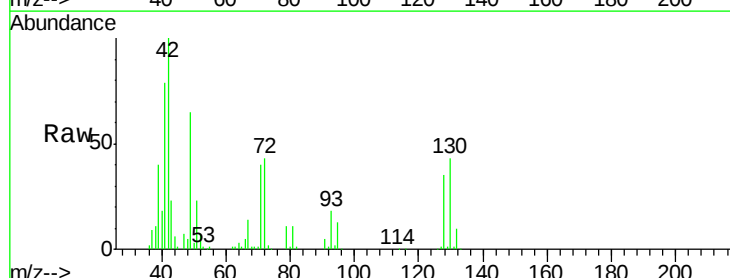
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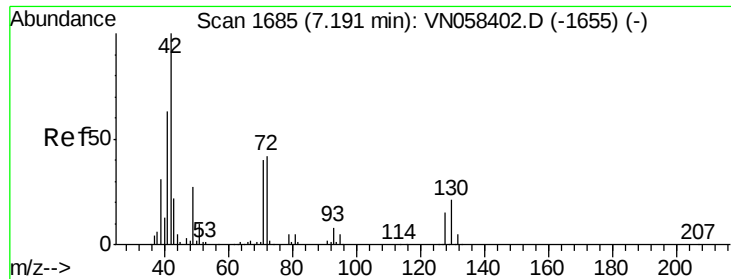
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#28
 Bromochloromethane
 Concen: 49.710 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	191080		
129	0.8	0.0	3.4	
130	67.8	56.3	84.5	





#29

Tetrahydrofuran

Concen: 229.846 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

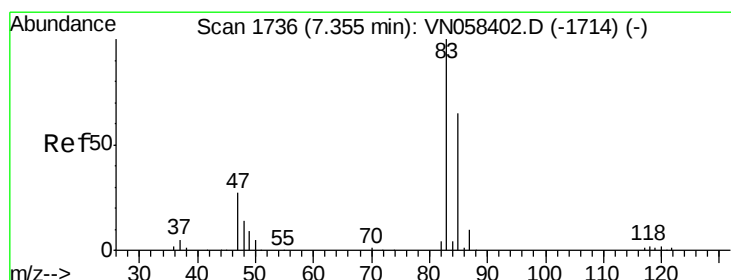
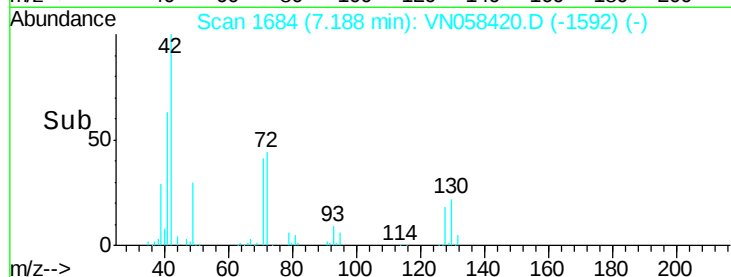
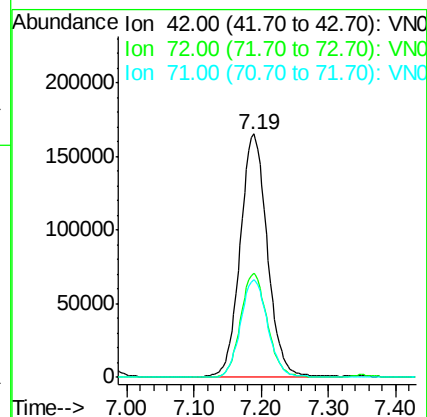
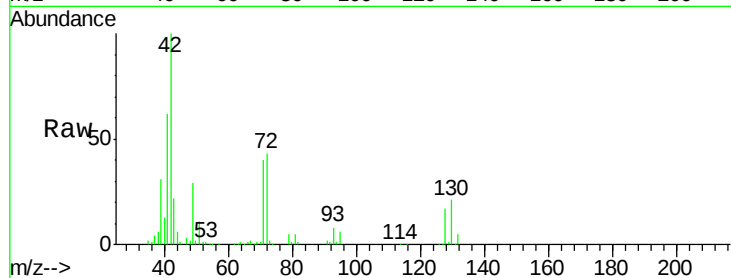
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	461482
Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.7	50.5
71	40.3	31.8	47.6

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#30

Chloroform

Concen: 48.924 ug/l

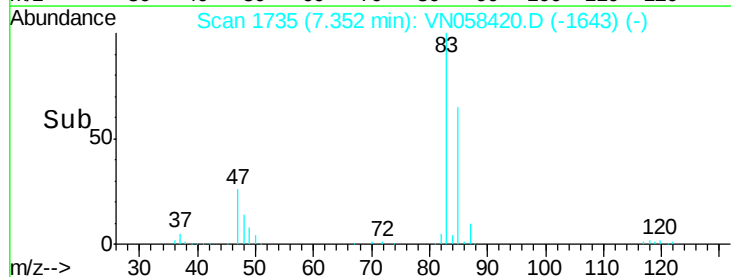
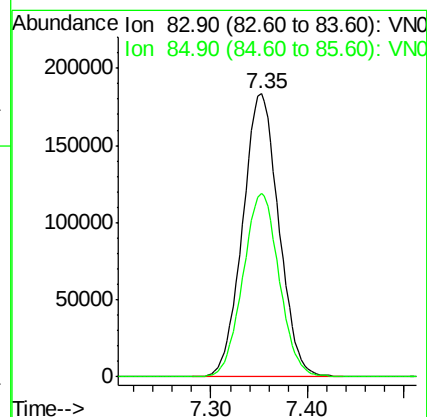
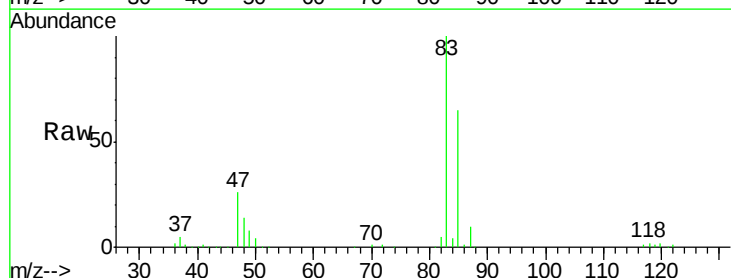
RT: 7.35 min Scan# 1735

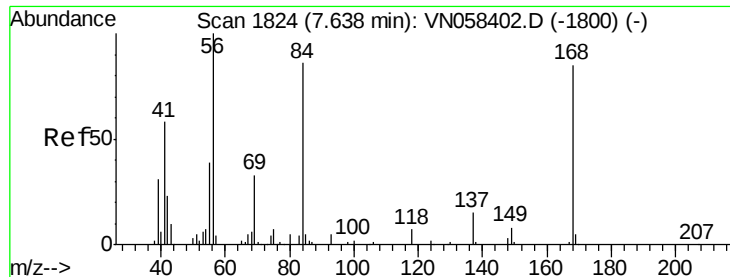
Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Tgt Ion:	83	Resp:	476744
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0





#31

Cvclohexane

Concen: 46.607 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 435969

Ion Ratio Lower Upper

56 100

69 33.8 26.2 39.4

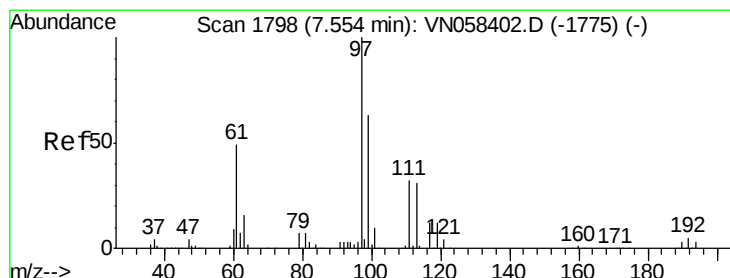
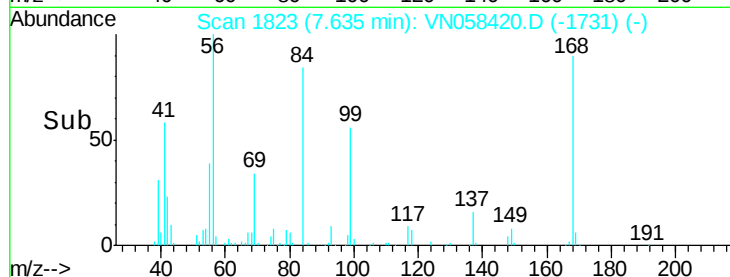
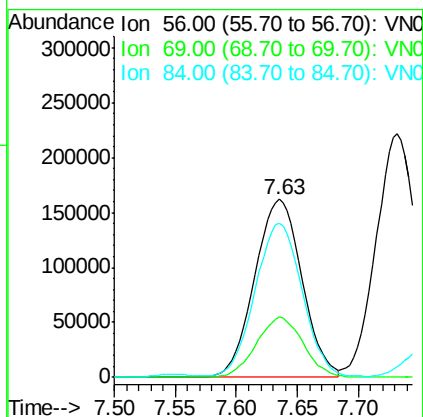
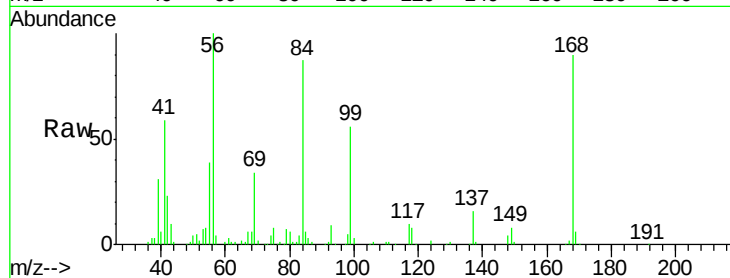
84 85.7 67.6 101.4

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#32

1,1,1-Trichloroethane

Concen: 50.689 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

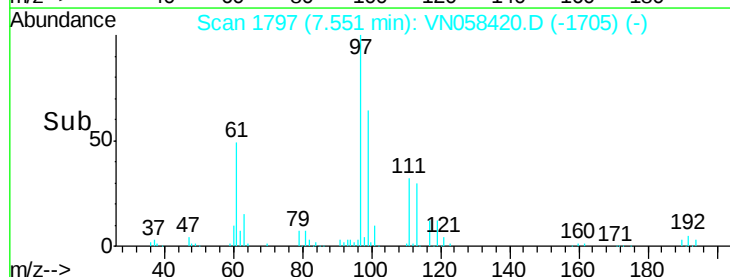
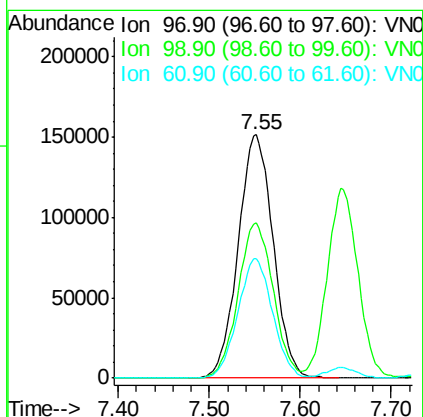
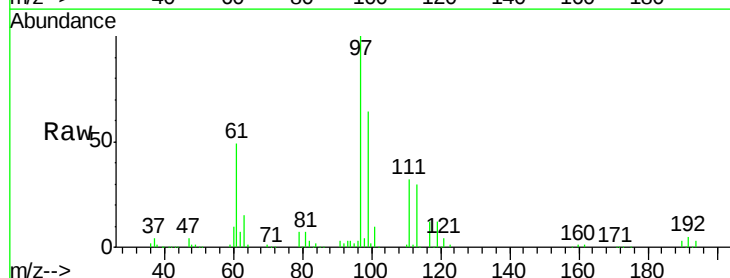
Tgt Ion: 97 Resp: 405622

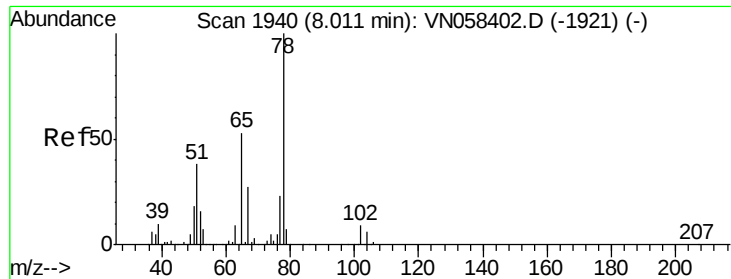
Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

61 48.8 39.2 58.8





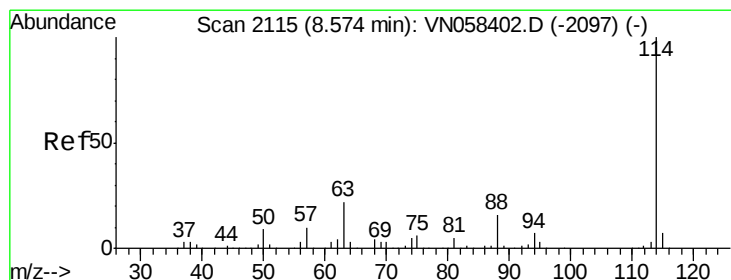
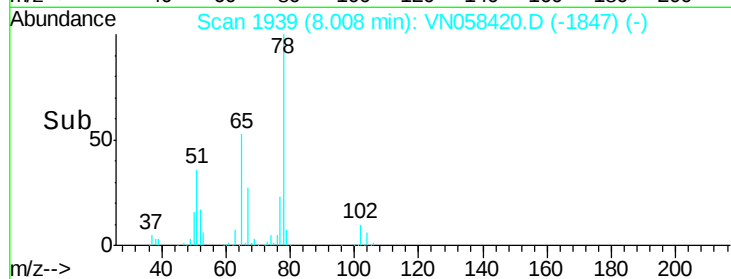
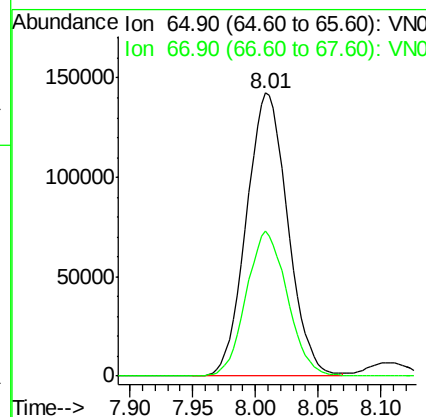
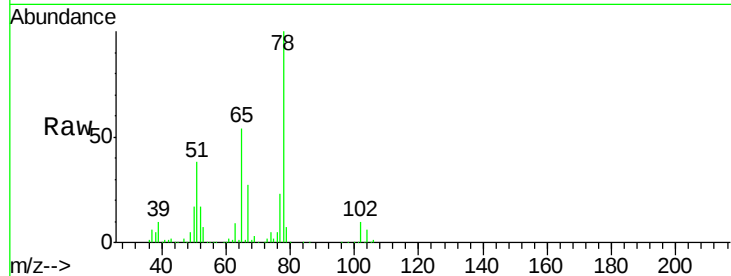
#33
 1,2-Dichloroethane-d4
 Concen: 48.484 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	327701		
67	50.8	0.0	102.4	

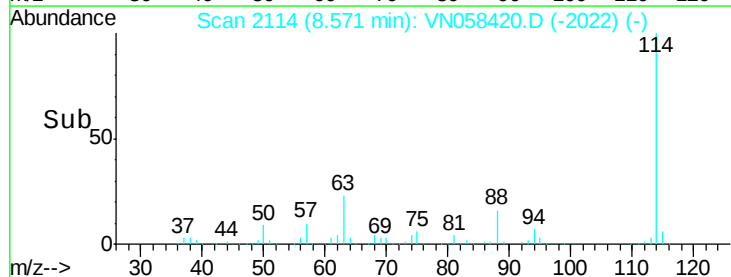
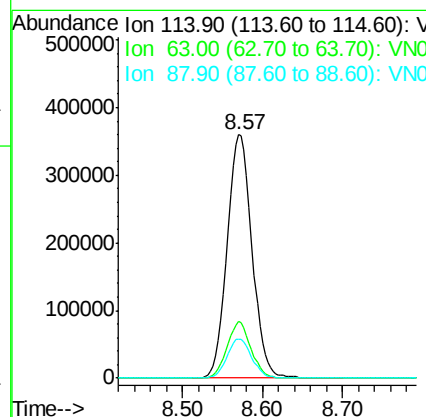
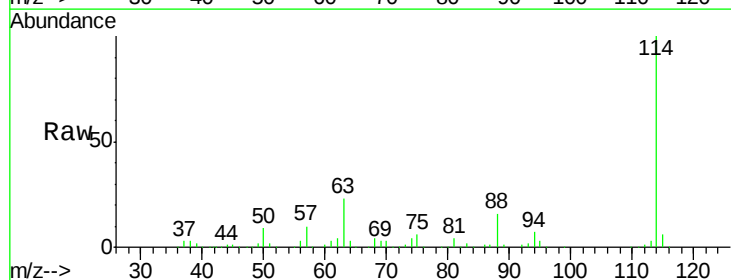
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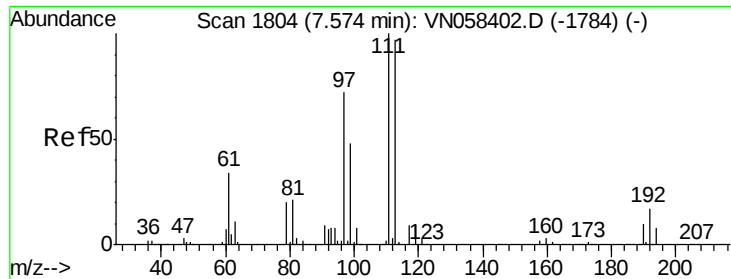
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	769003		
63	23.1	0.0	45.0	
88	16.1	0.0	32.2	





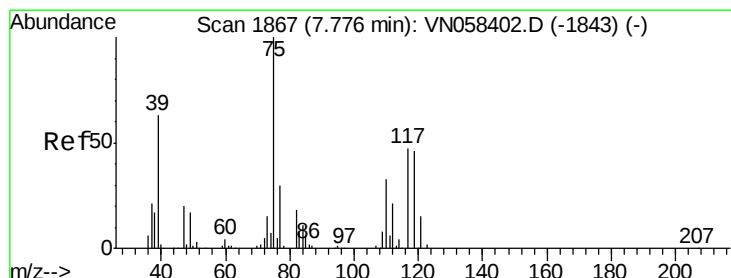
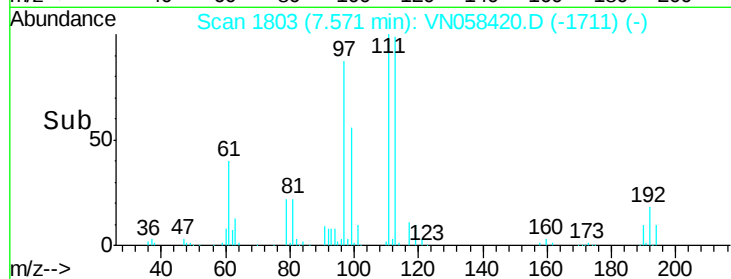
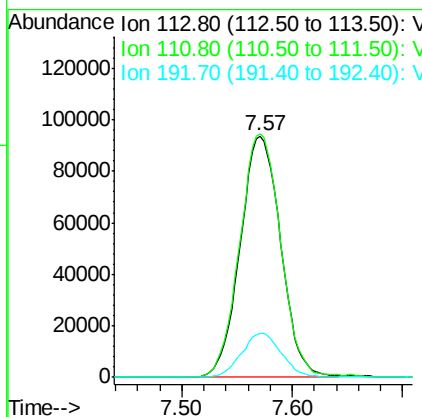
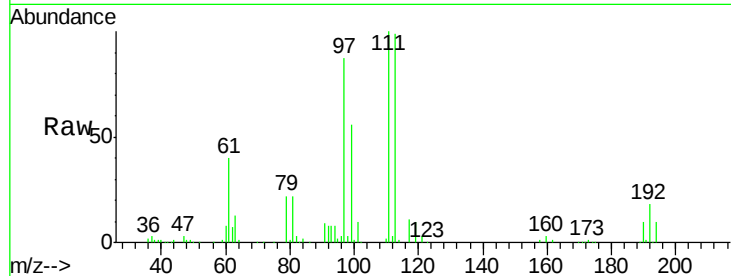
#35
 Dibromofluoromethane
 Concen: 50.606 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238513		
111	102.0	83.4	125.2	
192	18.0	14.9	22.3	

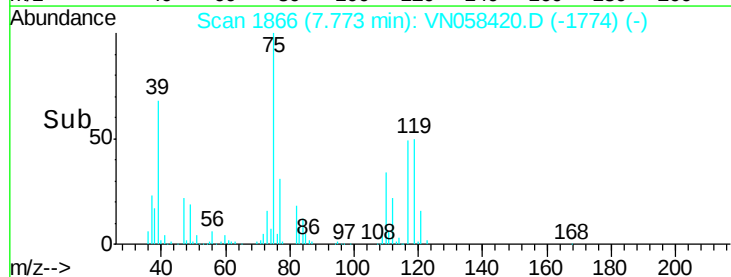
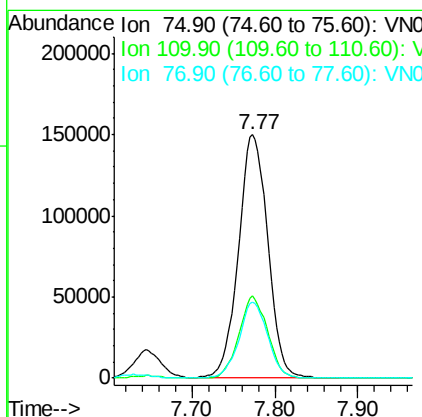
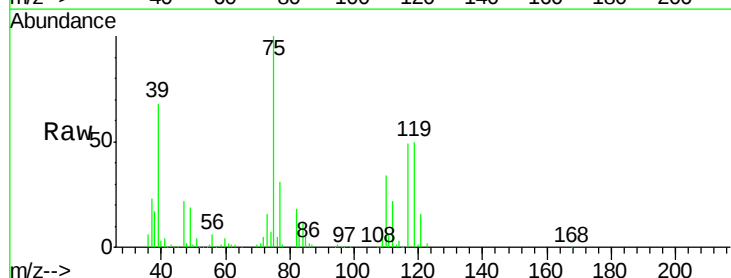
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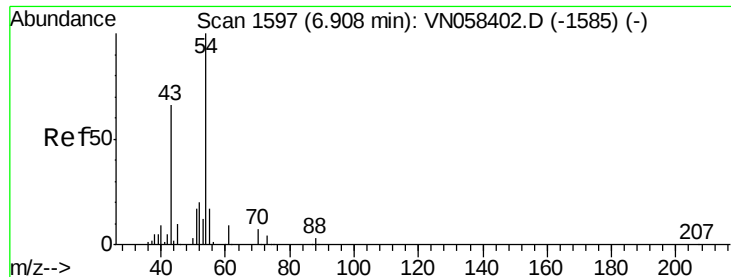
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#36
 1,1-Dichloropropene
 Concen: 49.999 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	367653		
110	33.0	16.4	49.2	
77	30.8	24.3	36.5	





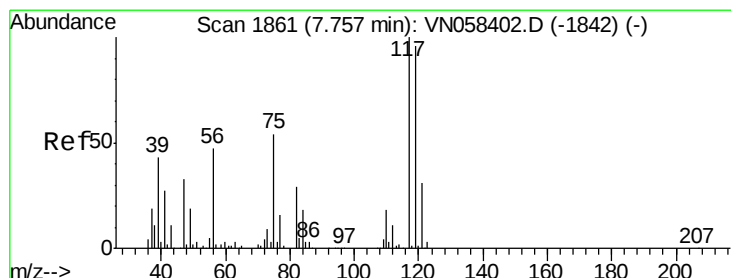
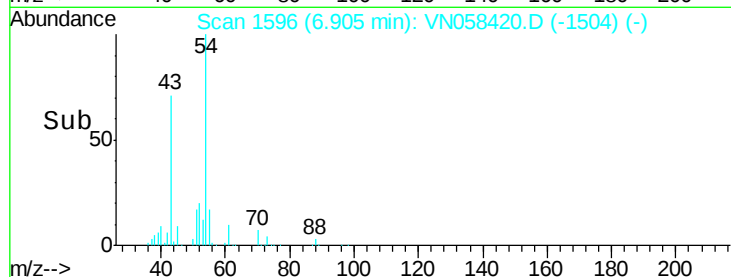
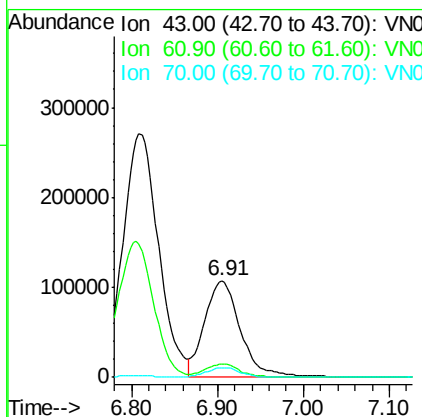
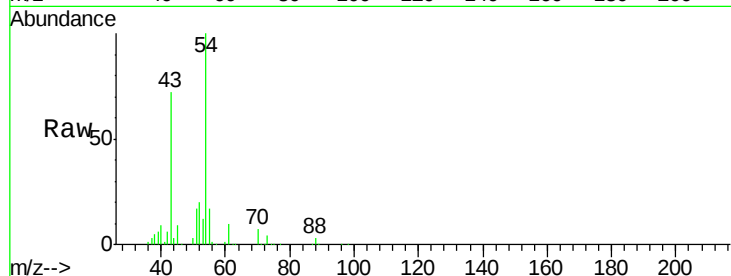
#37
Ethyl Acetate
Concen: 49.476 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	9.6	7.8	11.6

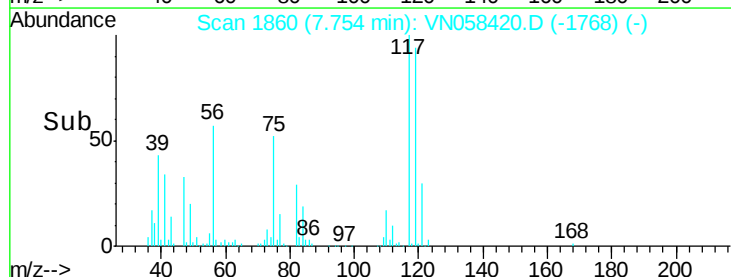
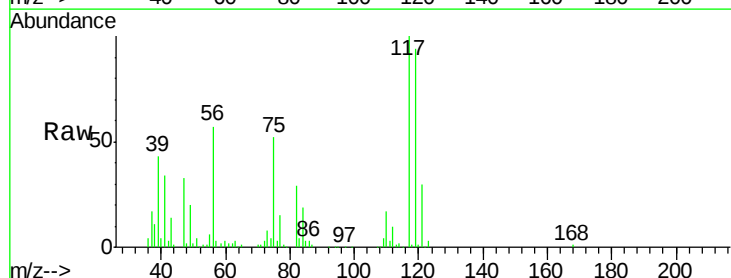
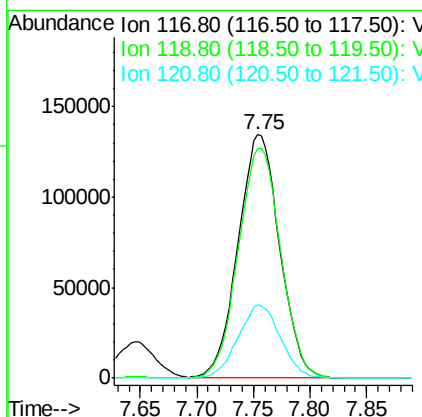
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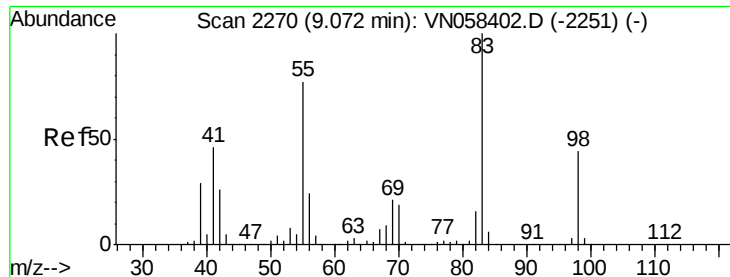
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#38
Carbon Tetrachloride
Concen: 51.519 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.6	115.0
121	30.4	24.7	37.1





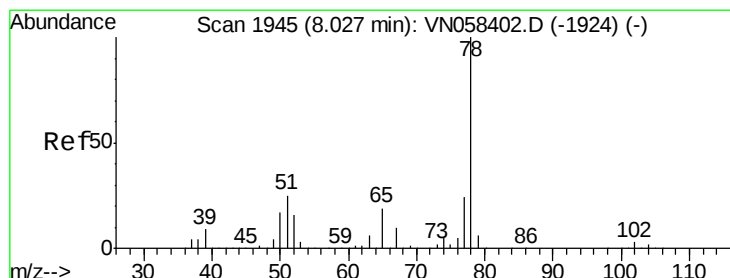
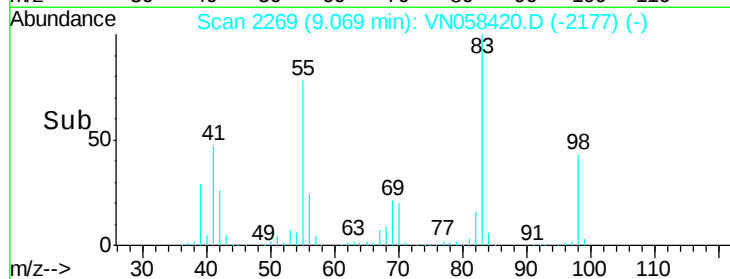
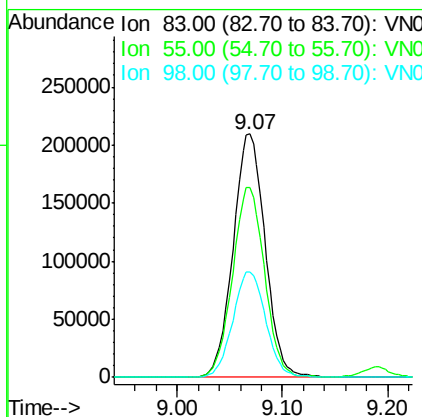
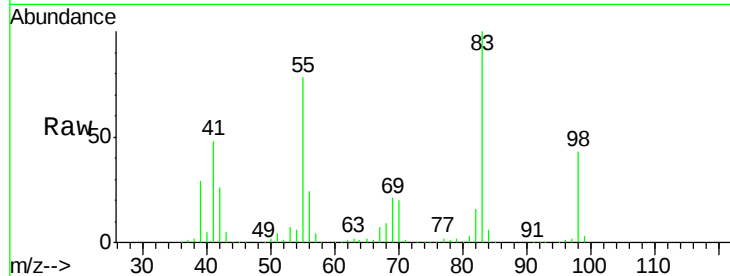
#39
Methvlcvclohexane
Concen: 51.525 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.8	92.6
98	43.2	35.4	53.0

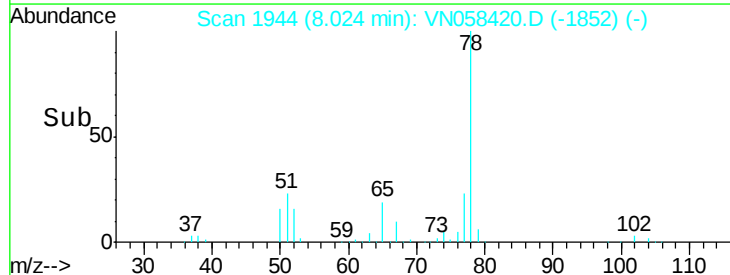
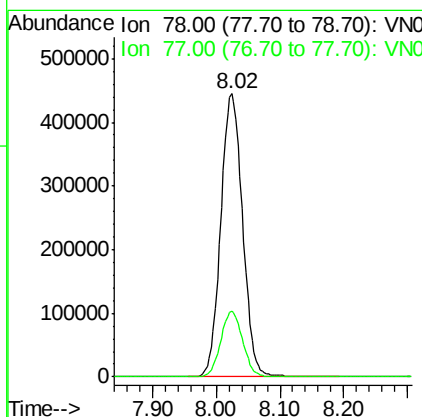
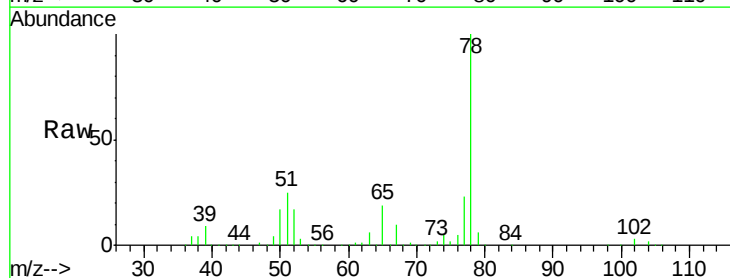
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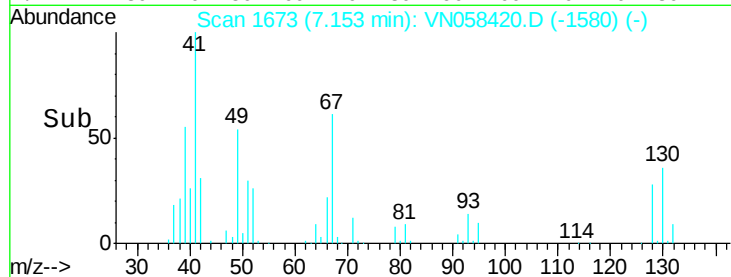
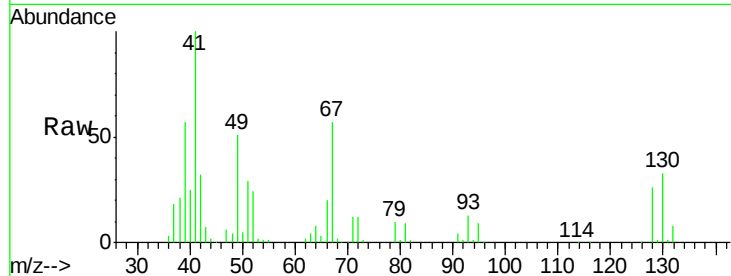
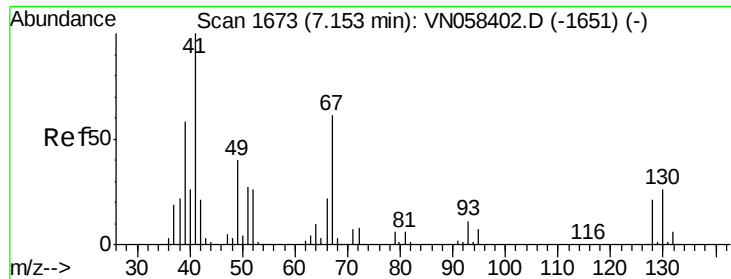
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#40
Benzene
Concen: 50.087 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





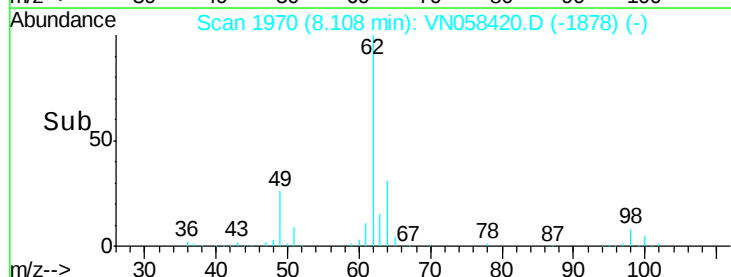
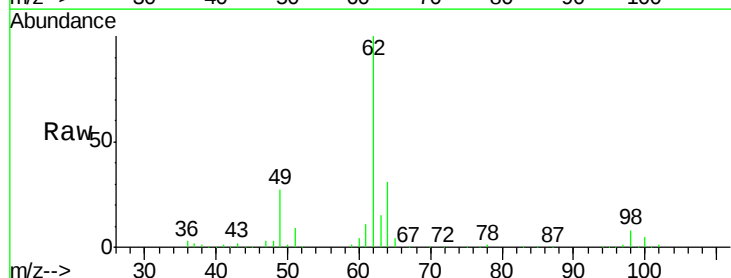
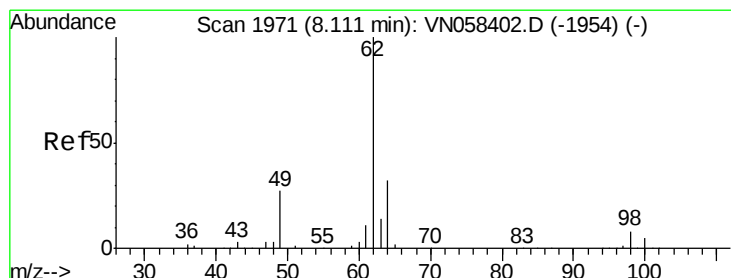
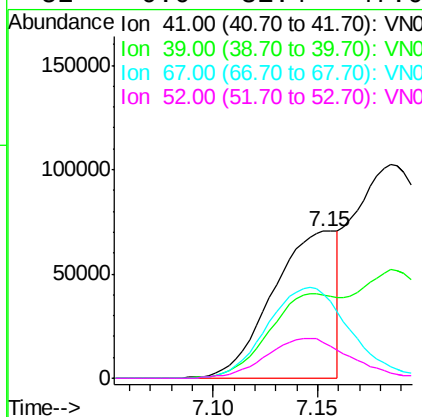
#41
Methacrylonitrile
Concen: 52.443 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		150410		
39	0.0	50.2	75.4#		
67	0.0	70.2	105.4#		
52	0.0	31.4	47.0#		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

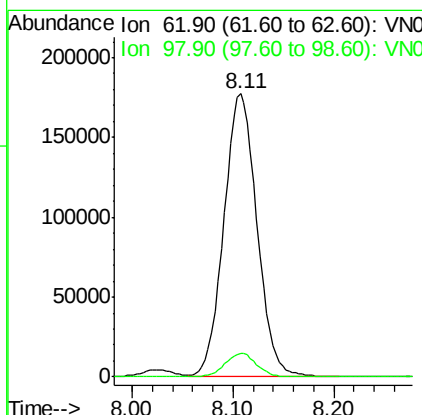
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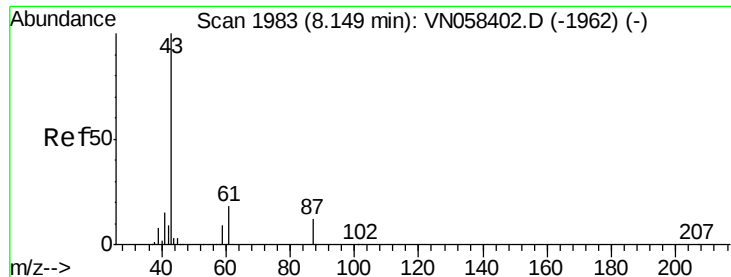
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.181 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		404428		
98	8.1	0.0	15.6		





#43

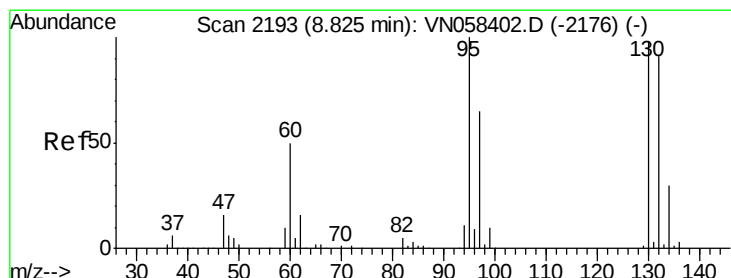
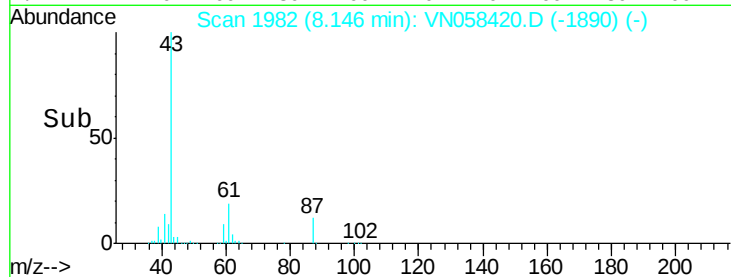
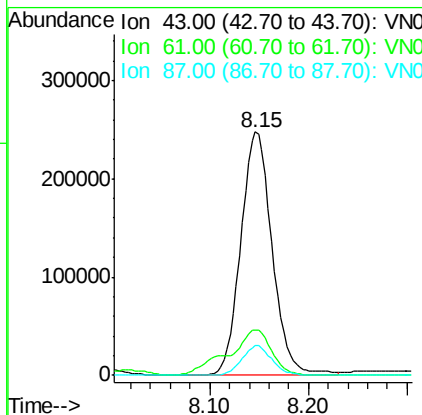
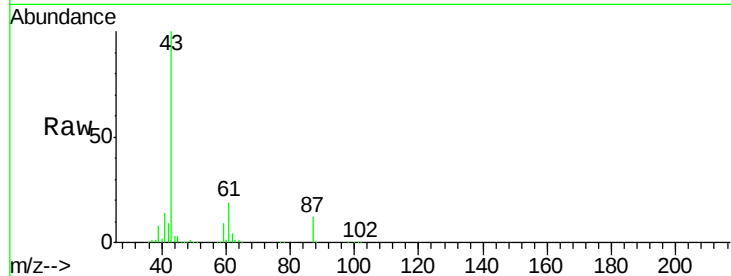
Isopropyl Acetate
 Concen: 46.240 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.8	22.2
87	11.7	9.7	14.5

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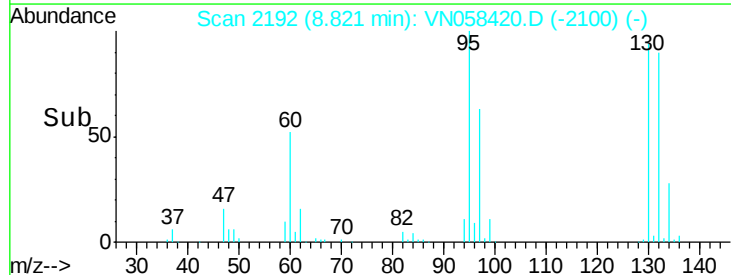
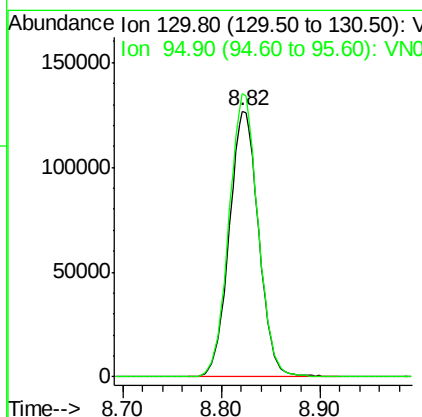
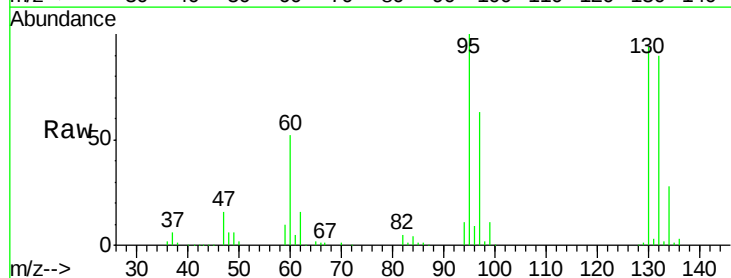
MMDadoda
 10/2/2019 9:22:11 AM

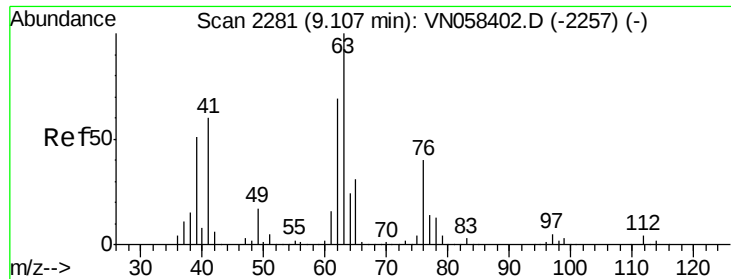


#44

Trichloroethene
 Concen: 50.220 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	204.2





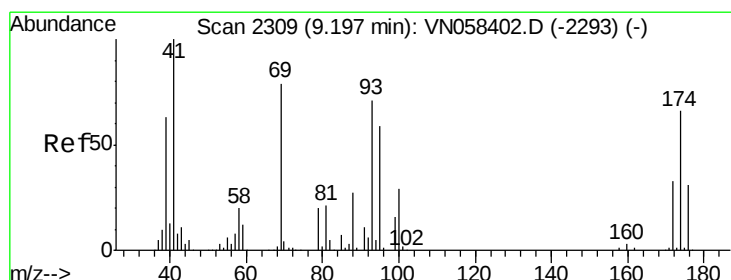
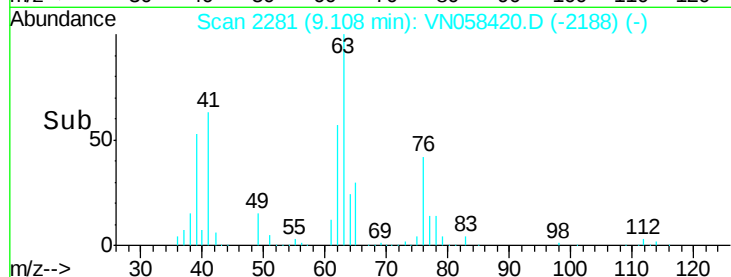
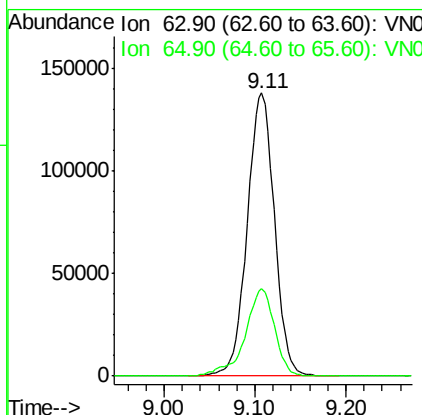
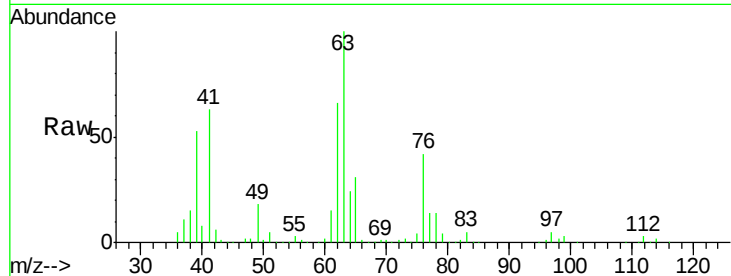
#45
 1,2-Dichloropropane
 Concen: 50.760 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 287743
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

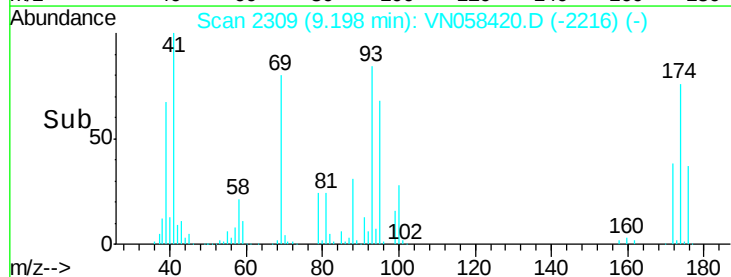
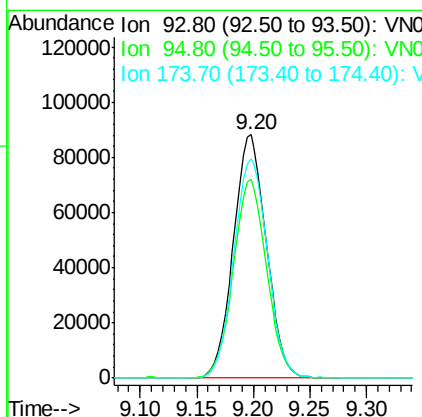
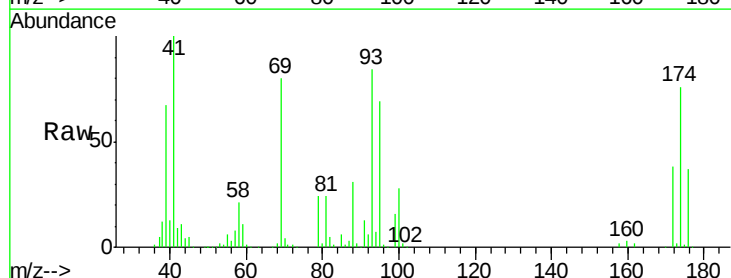
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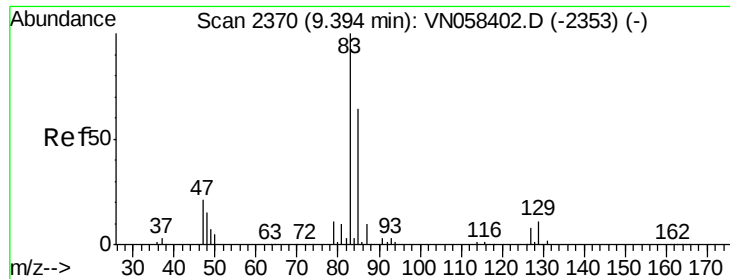
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#46
 Dibromomethane
 Concen: 49.953 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion: 93 Resp: 179325
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.4
 174 92.2 74.2 111.2





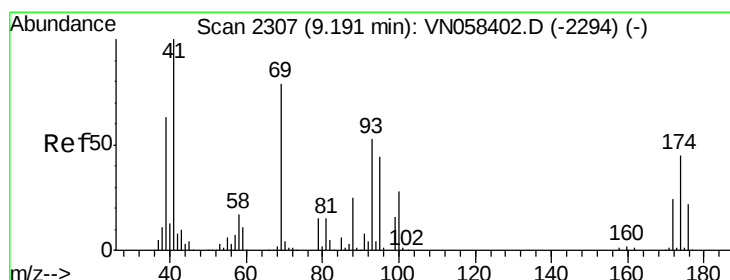
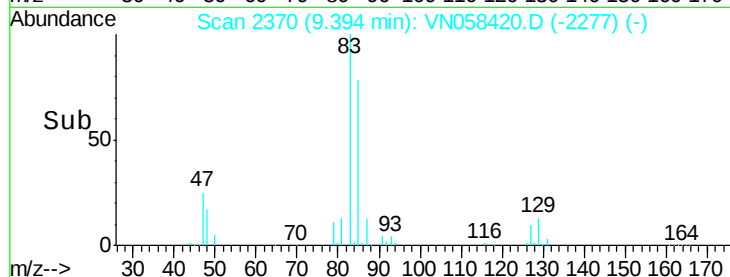
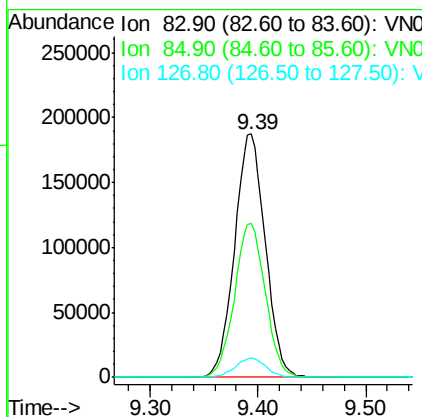
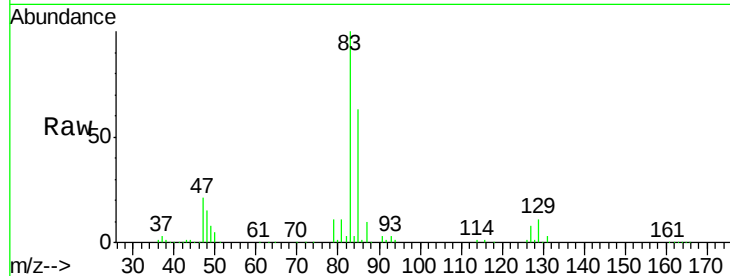
#47
Bromodichloromethane
Concen: 54.489 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	370616
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	51.2	76.8
127	7.9	6.3	9.5

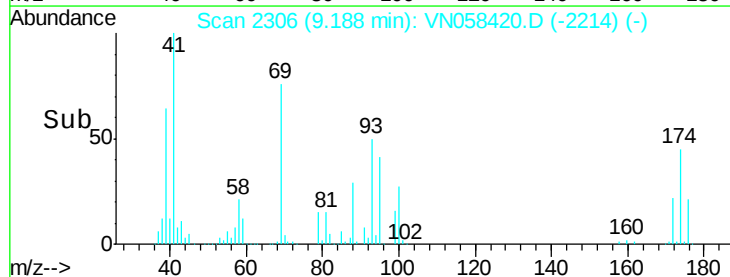
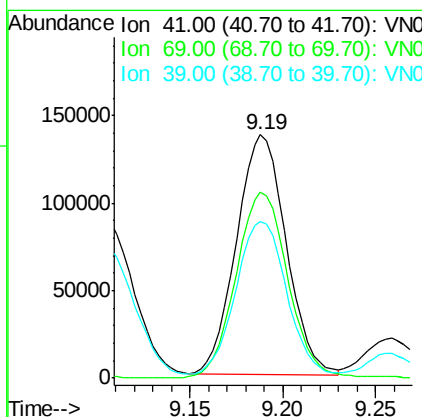
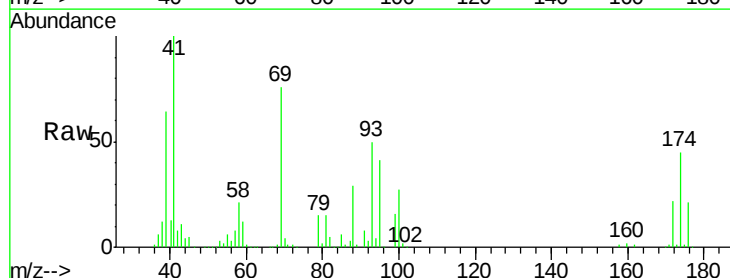
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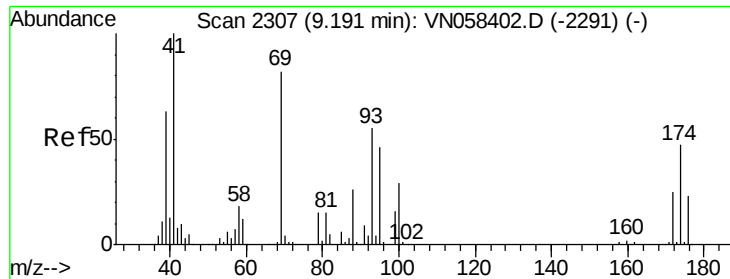
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#48
Methyl methacrylate
Concen: 47.751 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	41	Resp	254904
Ion Ratio	100	Lower	Upper
41	100		
69	81.3	64.7	97.1
39	68.3	52.9	79.3





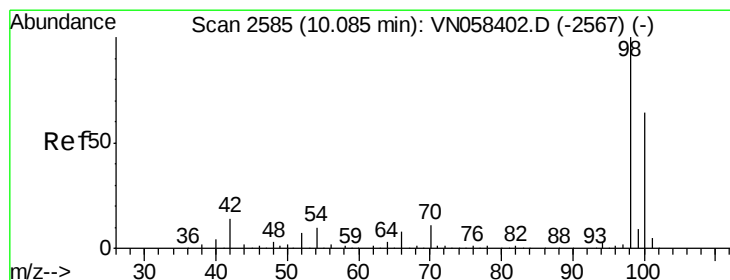
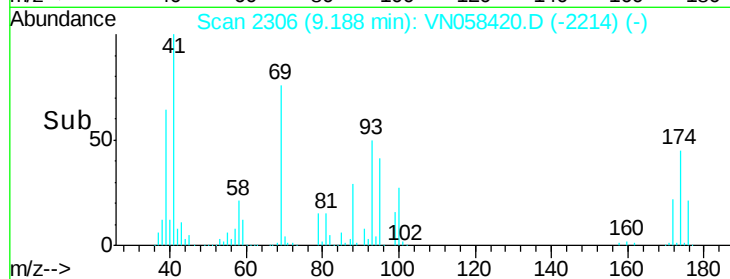
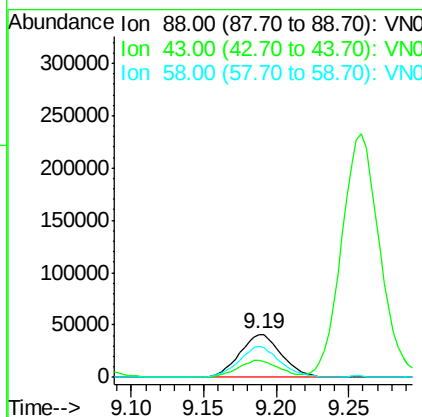
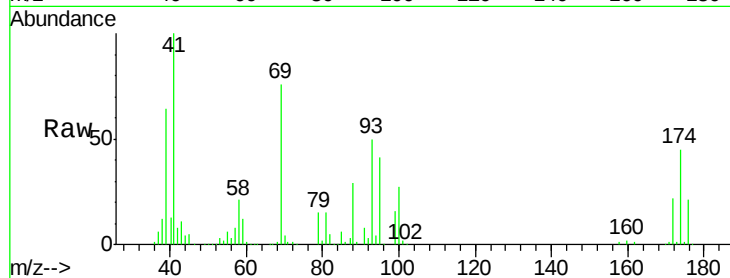
#49
1,4-Dioxane
Concen: 1161.323 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	82893
Ion	Ratio	Lower	Upper
88	100		
43	36.4	31.1	46.7
58	70.2	58.1	87.1

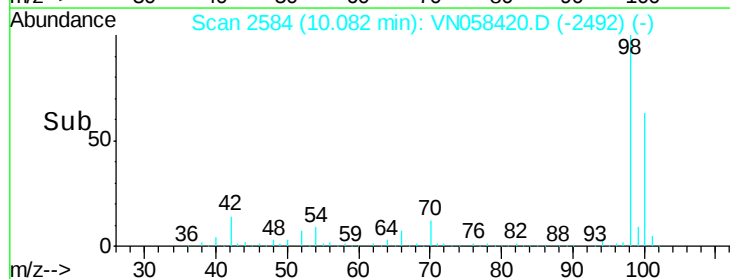
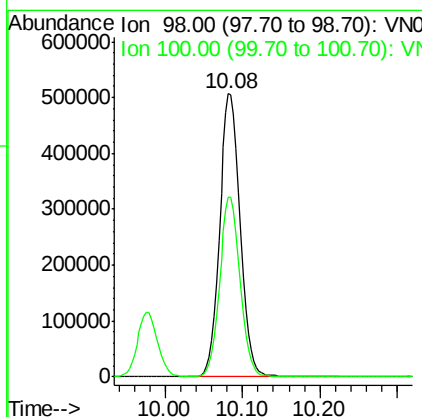
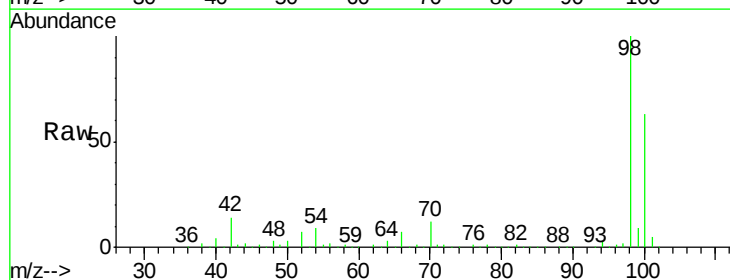
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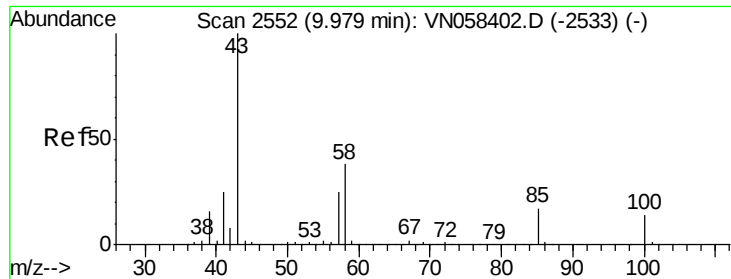
MMDadoda
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#50
Toluene-d8
Concen: 50.825 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	98	Resp	938400
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 255.839 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1540623

Ion Ratio Lower Upper

43 100

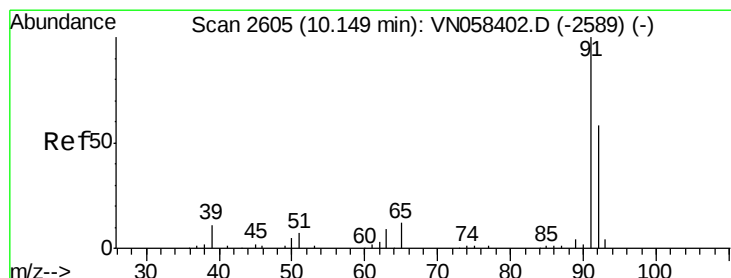
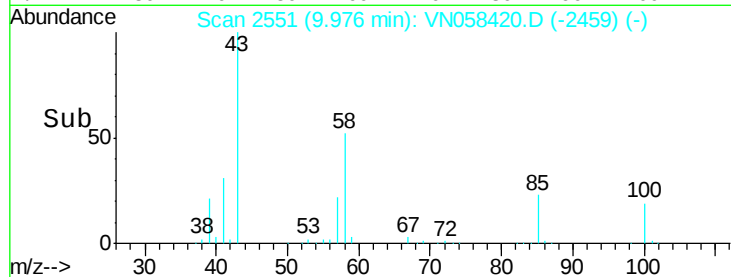
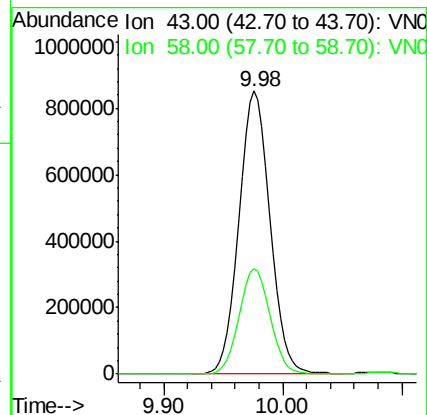
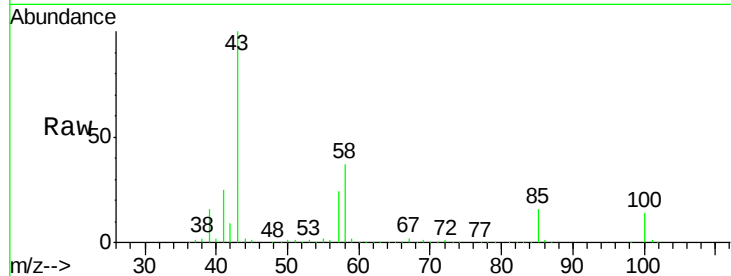
58 37.3 30.2 45.2

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#52

Toluene

Concen: 50.280 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058420.D

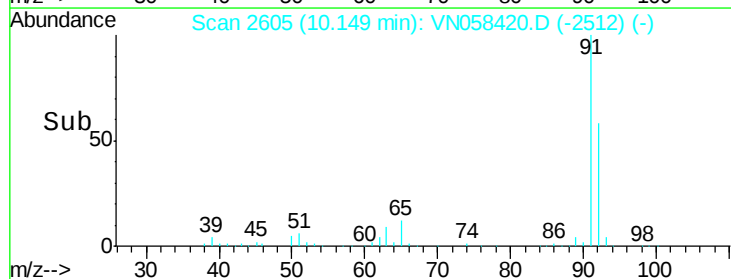
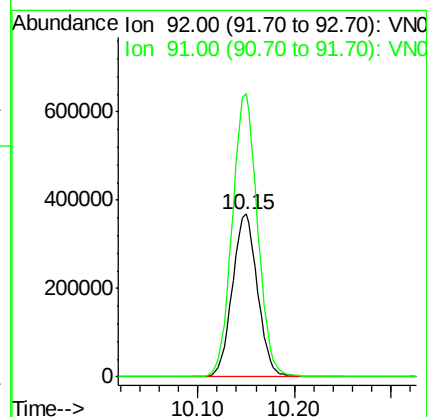
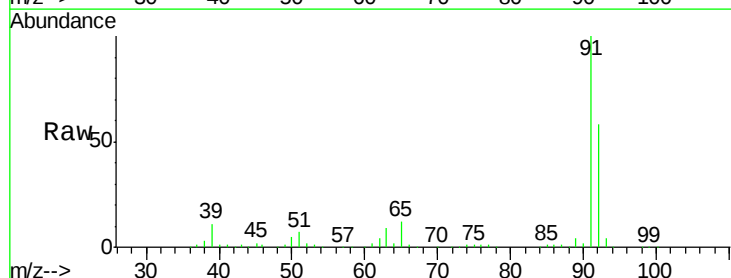
Acq: 30 Sep 2019 9:27

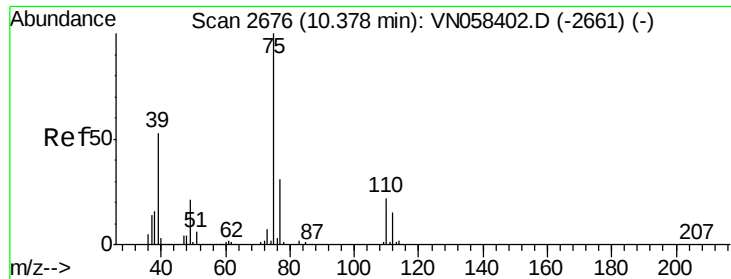
Tgt Ion: 92 Resp: 668916

Ion Ratio Lower Upper

92 100

91 173.9 140.2 210.4





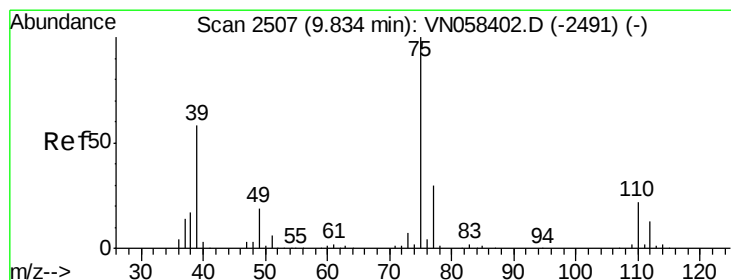
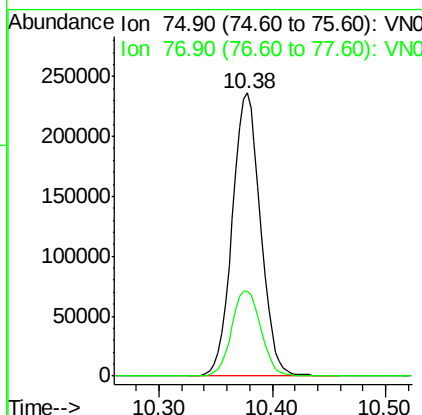
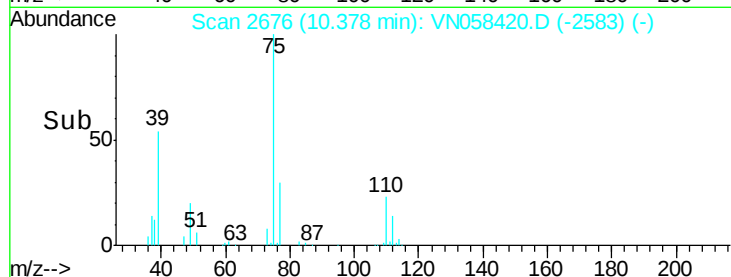
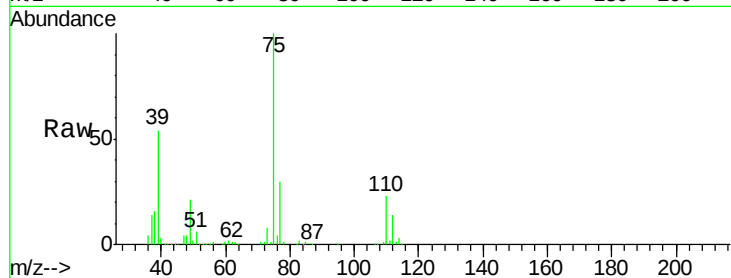
#53
t-1,3-Dichloropropene
Concen: 55.527 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 411074
Ion Ratio Lower Upper
75 100
77 29.8 25.2 37.8

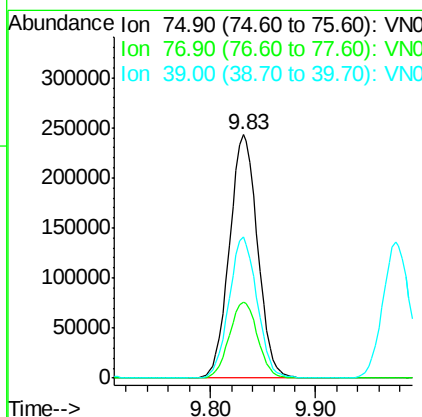
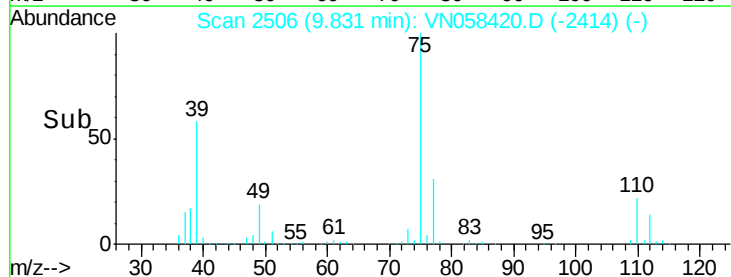
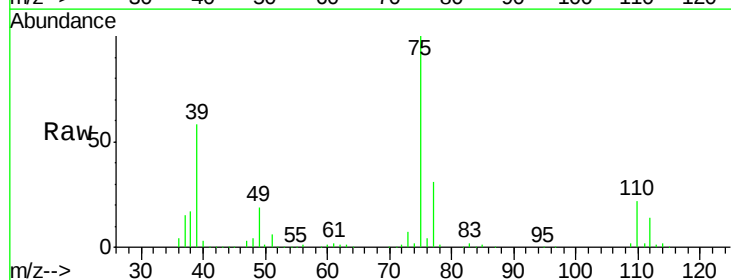
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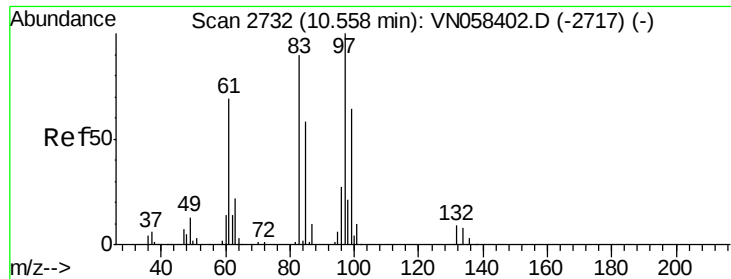
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#54
cis-1,3-Dichloropropene
Concen: 54.544 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 75 Resp: 448235
Ion Ratio Lower Upper
75 100
77 31.4 24.2 36.4
39 57.7 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 51.207 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

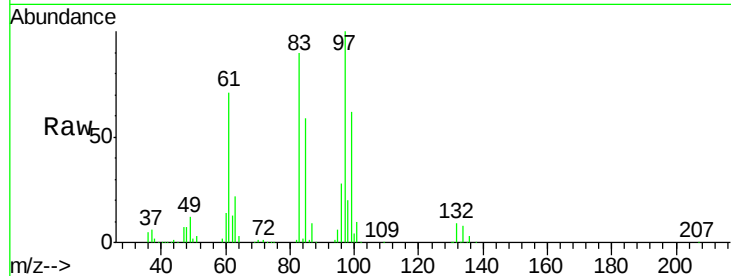
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	248054
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.8	107.6
85	58.9	46.6	69.8
99	62.0	51.5	77.3

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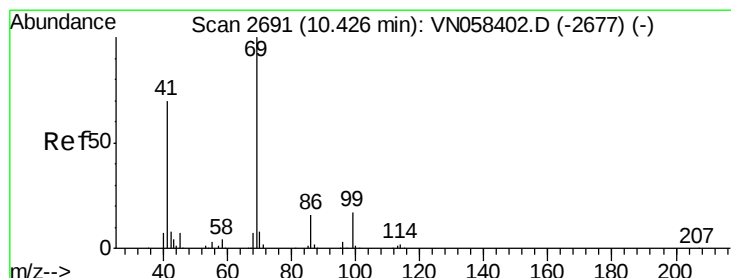
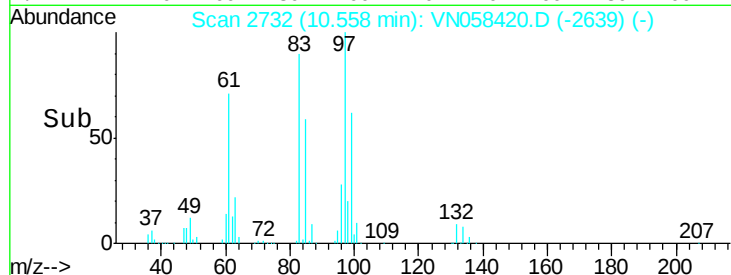
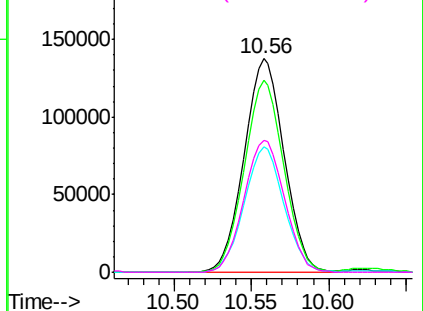


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.874 ug/l

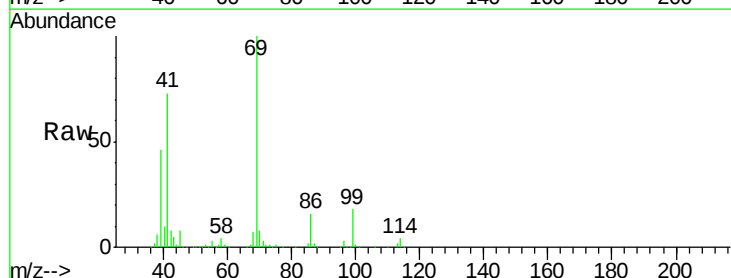
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

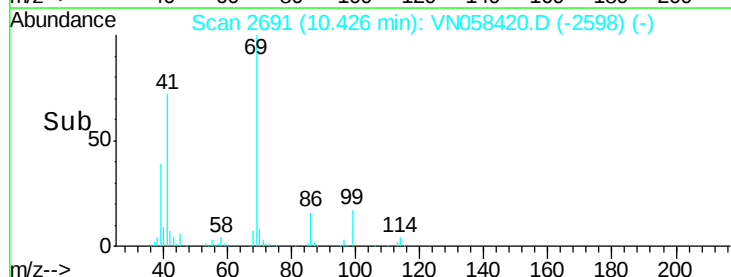
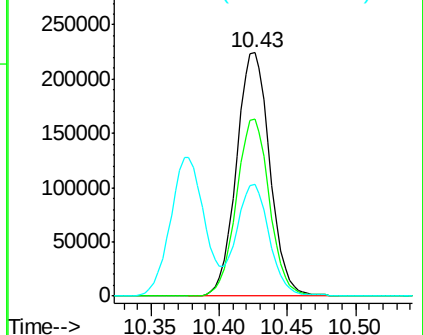
Tgt Ion:	69	Resp:	381303
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.3	84.5
39	45.6	35.8	53.6

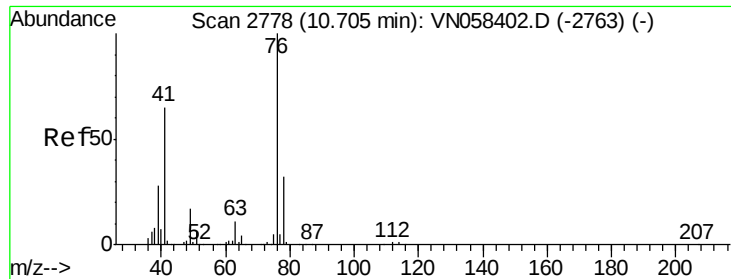


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.297 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 443242

Ion Ratio Lower Upper

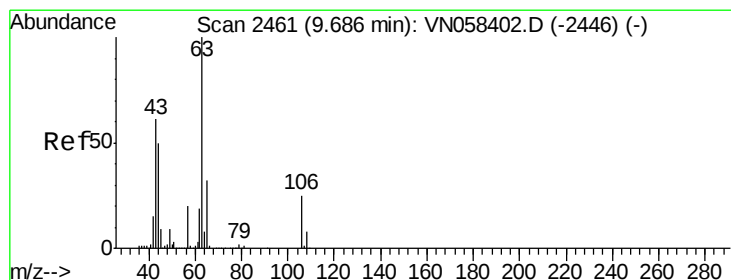
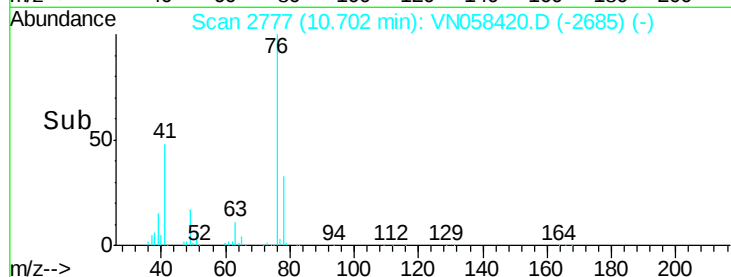
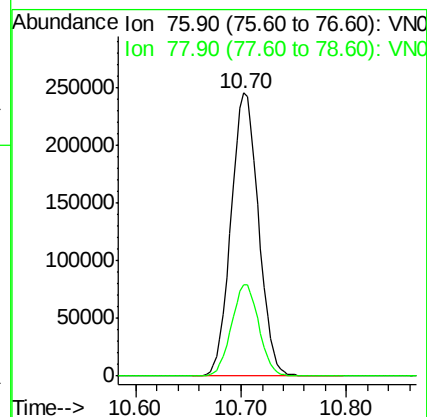
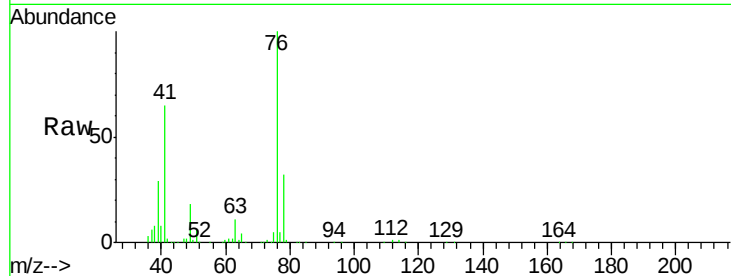
76 100

78 32.2 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 253.964 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058420.D

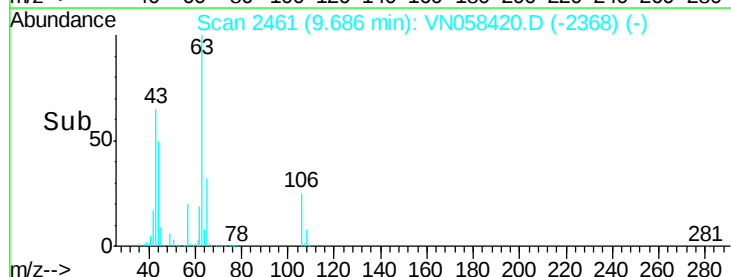
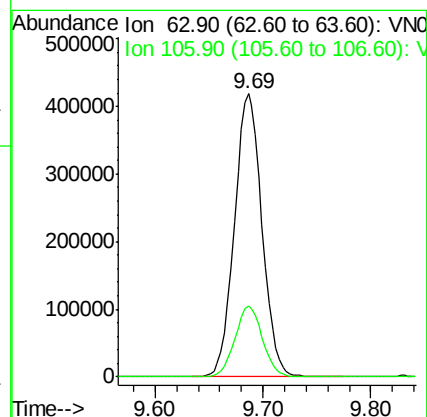
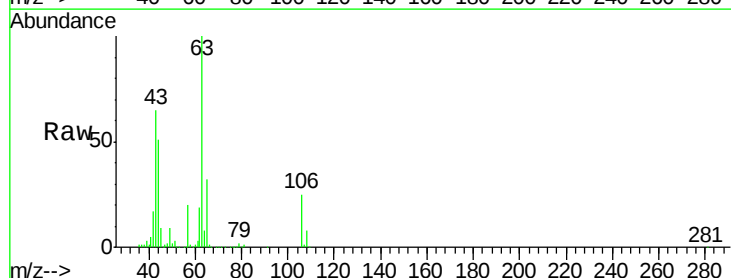
Acq: 30 Sep 2019 9:27

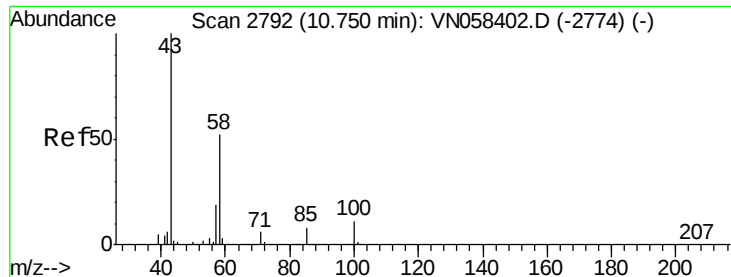
Tgt Ion: 63 Resp: 744374

Ion Ratio Lower Upper

63 100

106 25.1 20.3 30.5





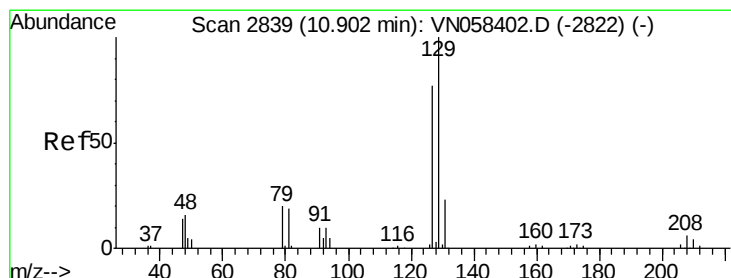
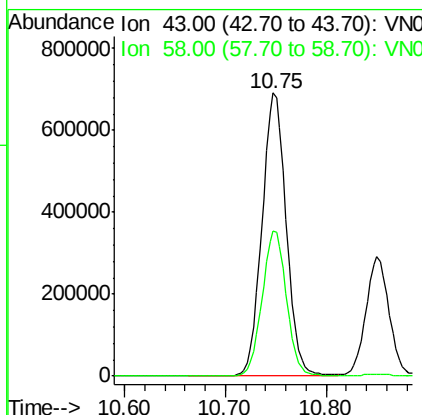
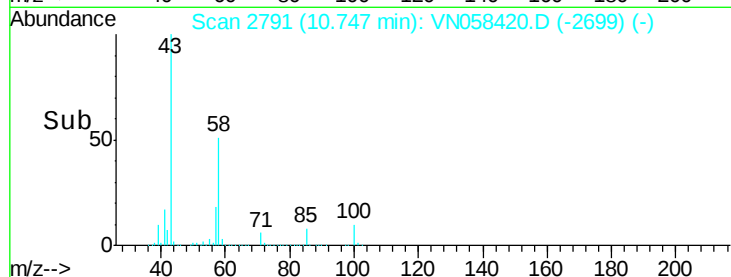
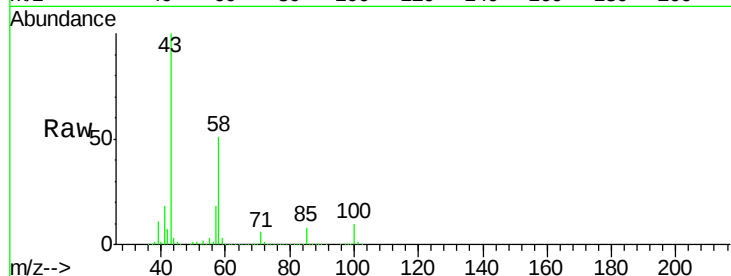
#59
2-Hexanone
Concen: 263.190 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1154036
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3

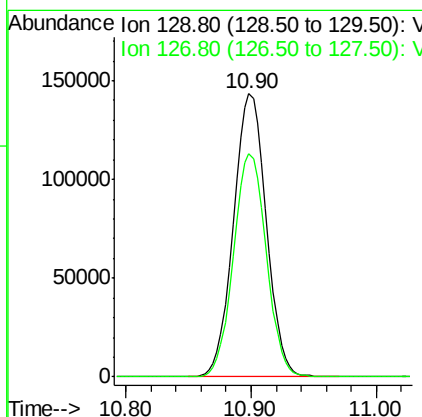
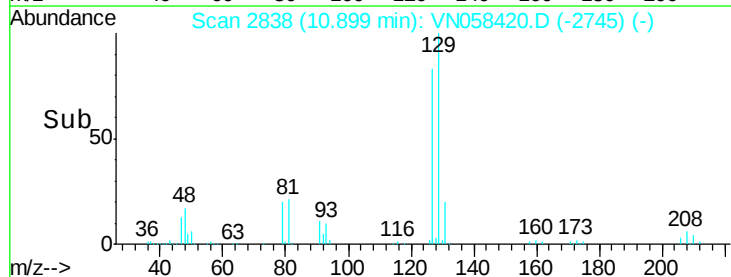
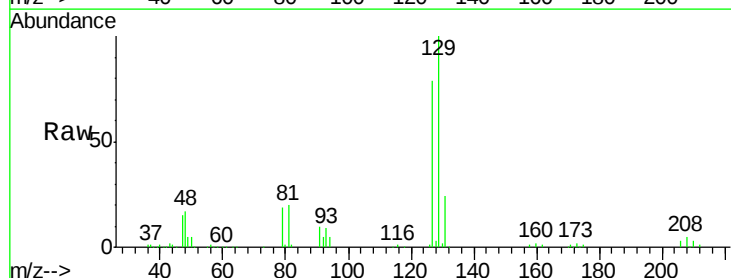
Manual Integrations
APPROVED

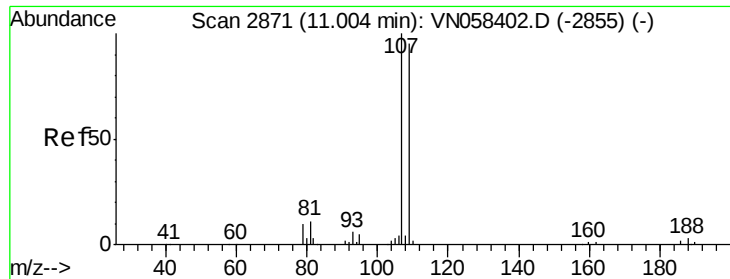
MMDadoda
10/2/2019 9:22:11 AM



#60
Dibromochloromethane
Concen: 52.042 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 129 Resp: 260950
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.8





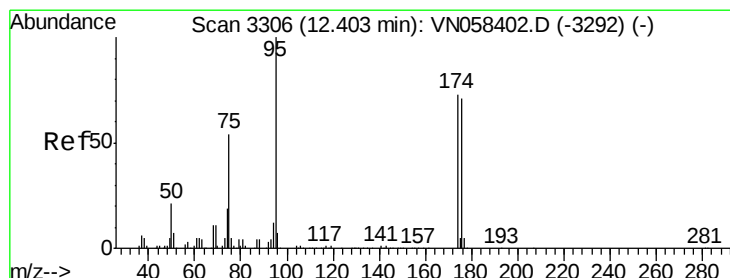
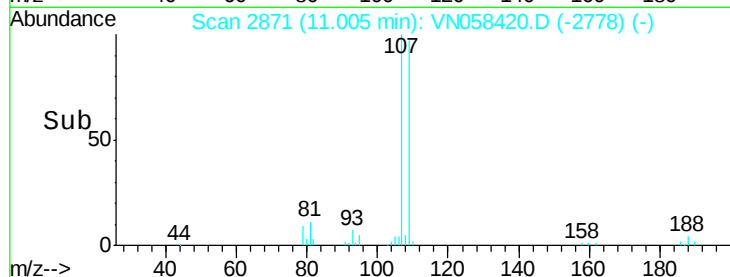
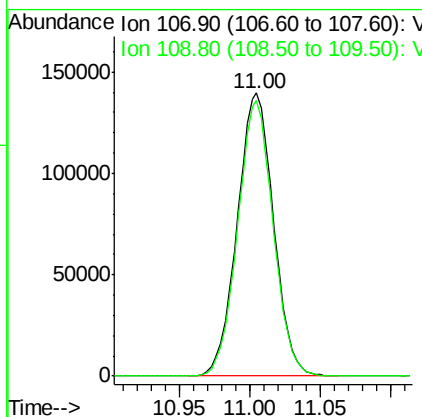
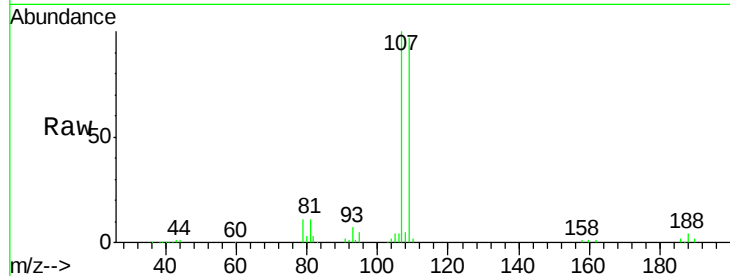
#61
 1,2-Dibromoethane
 Concen: 50.925 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	252065		
109	95.3	75.3	112.9	

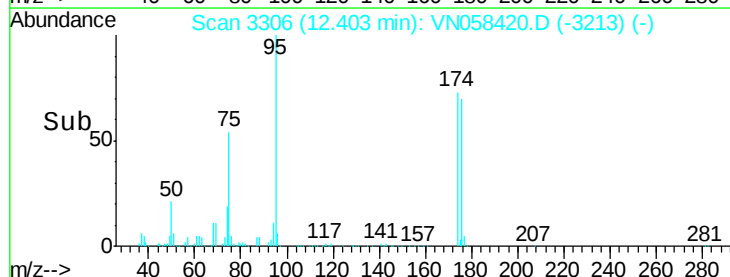
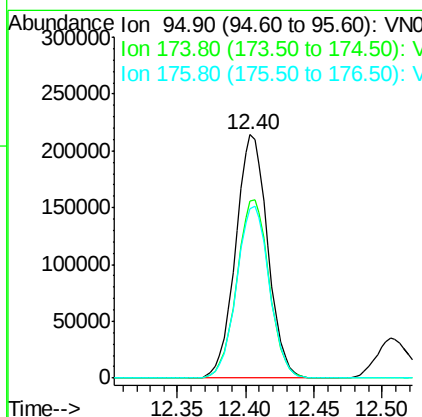
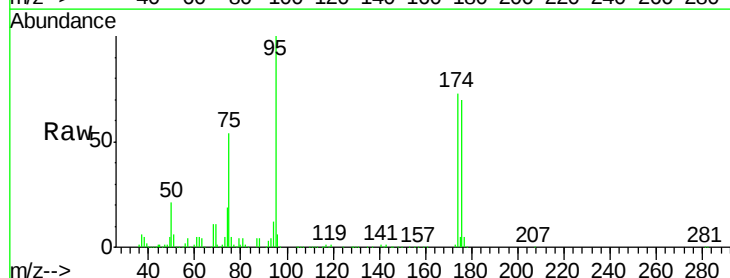
Manual Integrations
 APPROVED

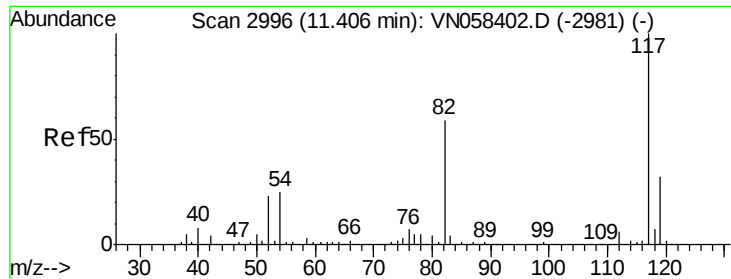
MMDadoda
 10/2/2019 9:22:11 AM



#62
 4-Bromofluorobenzene
 Concen: 52.314 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	349248		
174	73.9	0.0	150.6	
176	71.9	0.0	146.2	





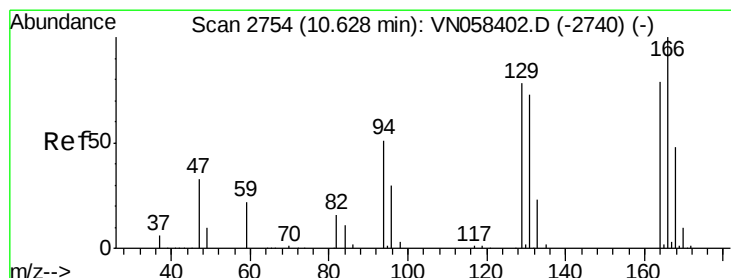
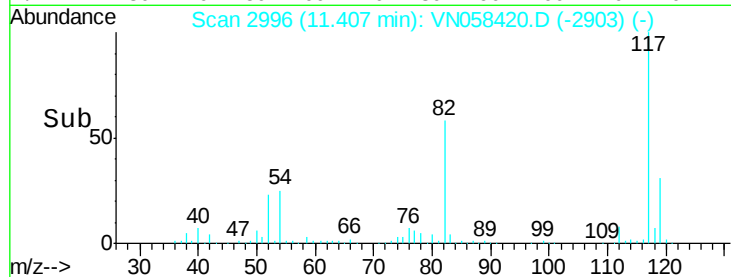
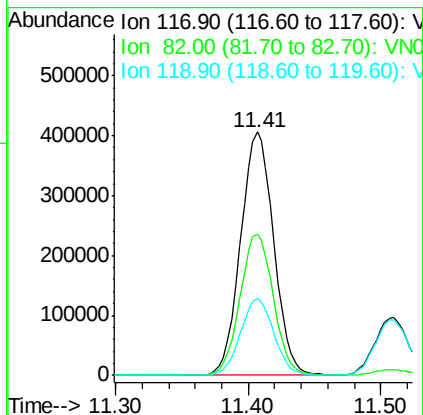
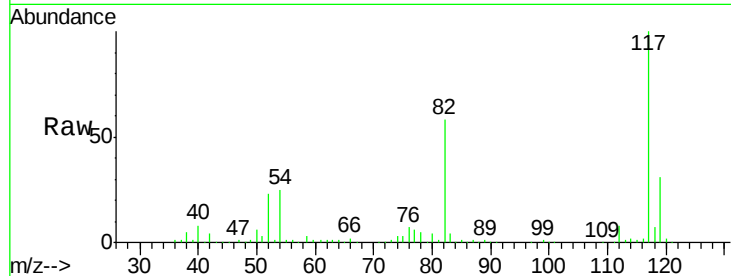
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.4	71.0
119	31.5	25.5	38.3

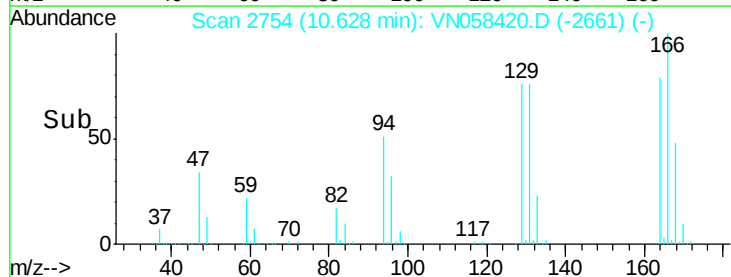
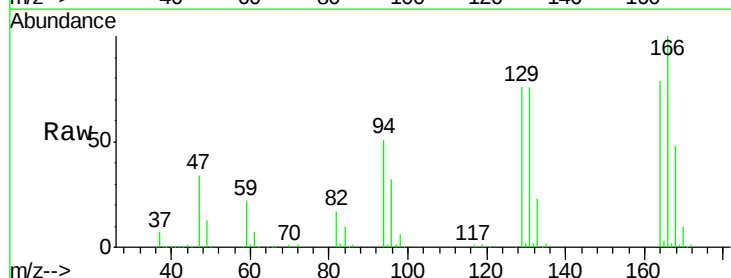
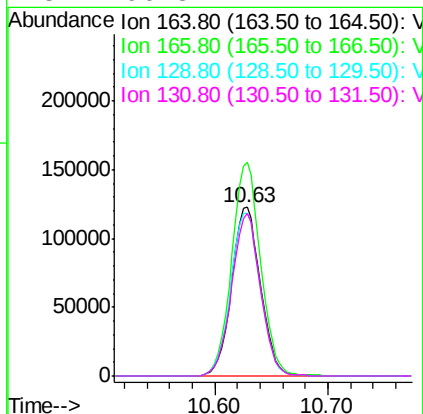
Manual Integrations
APPROVED

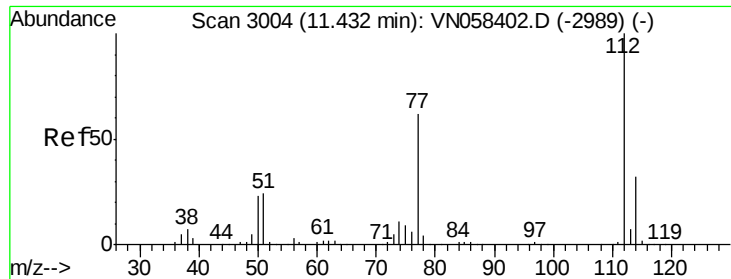
MMDadoda
10/2/2019 9:22:11 AM



#64
Tetrachloroethene
Concen: 48.869 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.1	151.7
129	96.8	79.2	118.8
131	96.3	74.1	111.1





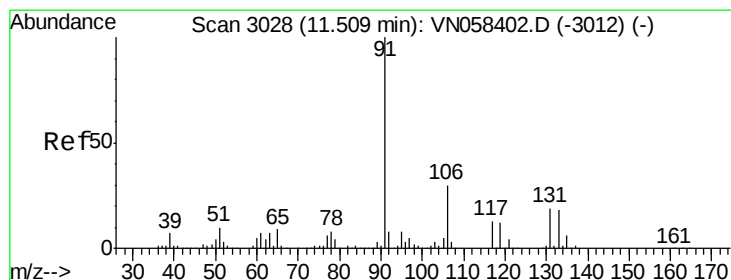
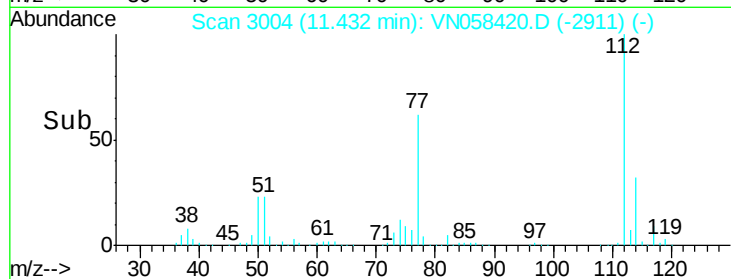
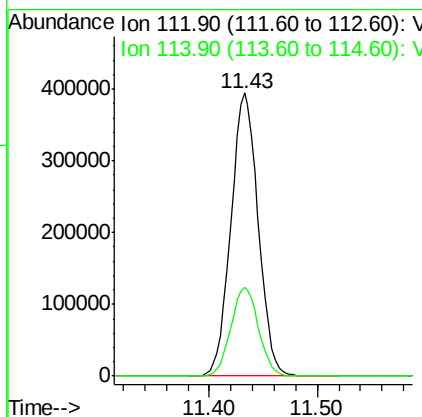
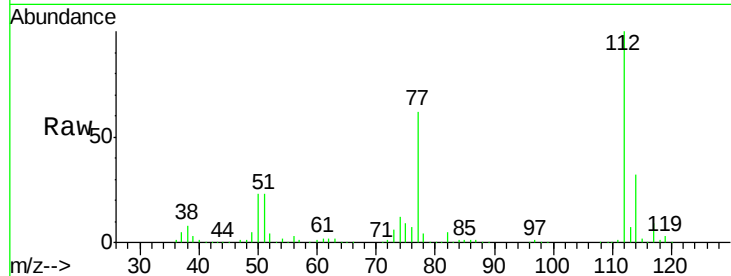
#65
Chlorobenzene
Concen: 49.786 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 695689
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

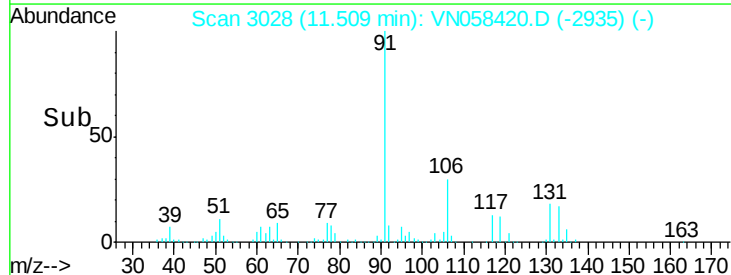
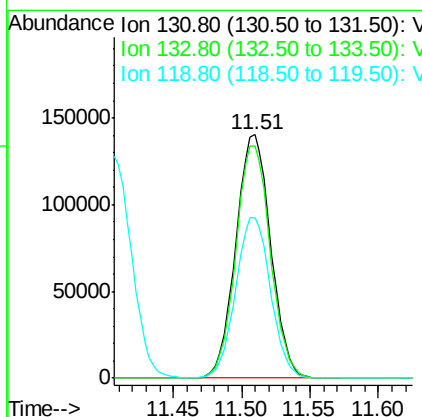
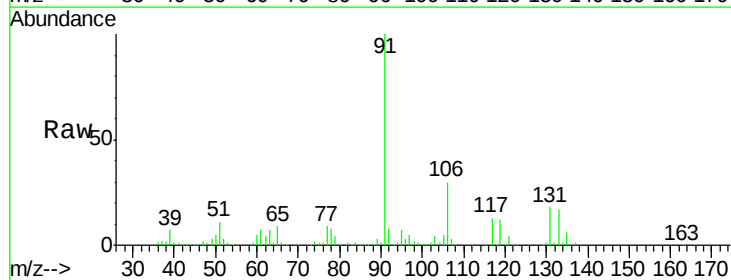
Manual Integrations
APPROVED

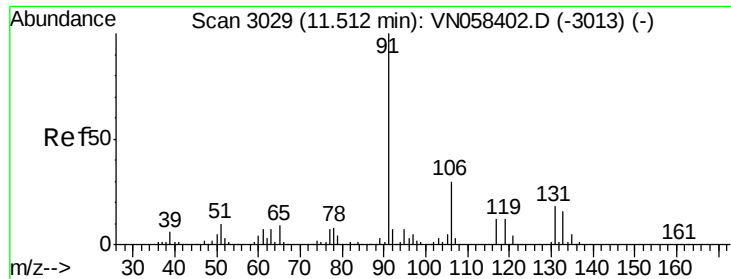
MMDadoda
10/2/2019 9:22:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.971 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion:131 Resp: 249386
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.3
119 66.1 33.0 99.0





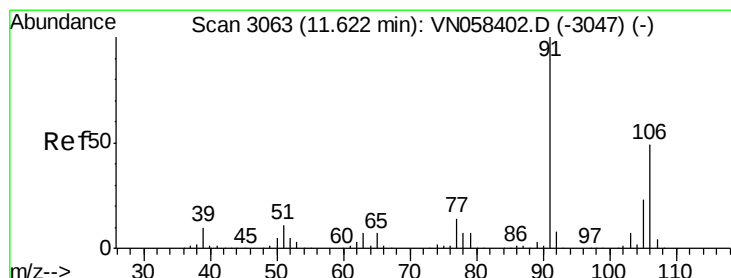
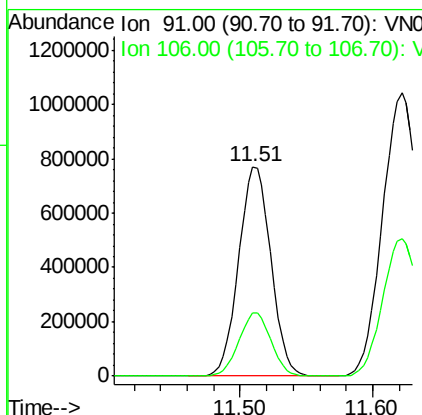
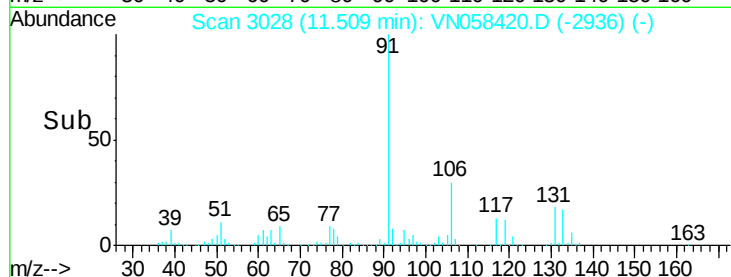
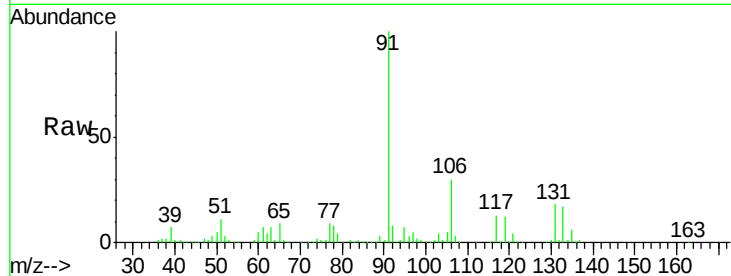
#67
Ethyl Benzene
Concen: 51.427 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1301613
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5

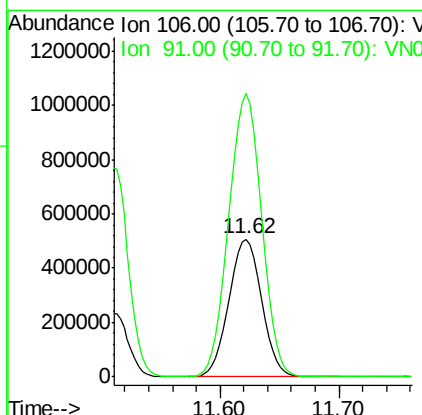
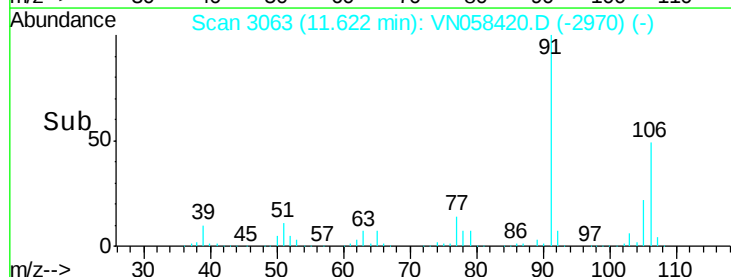
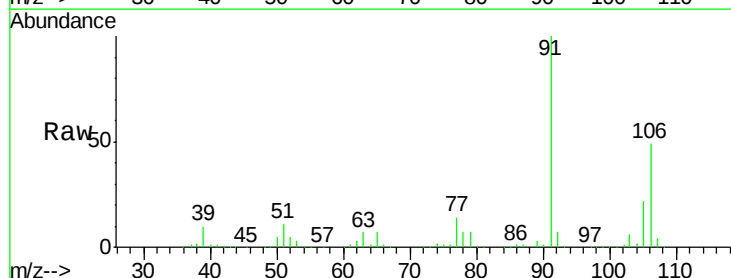
Manual Integrations
APPROVED

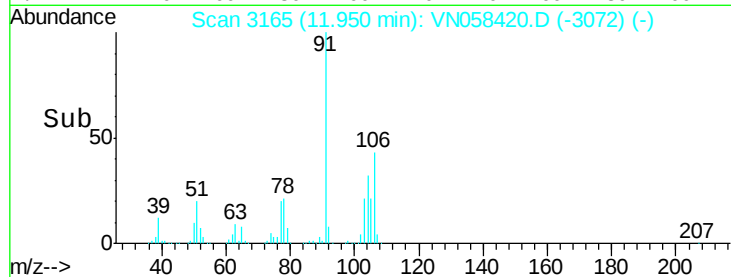
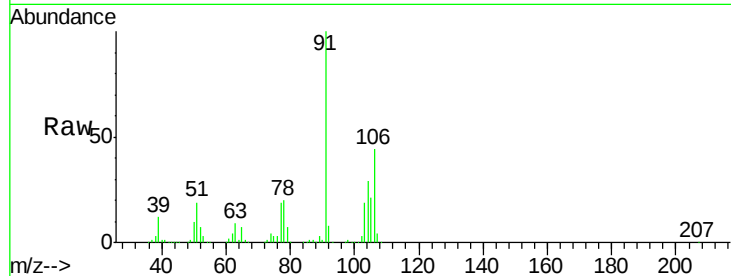
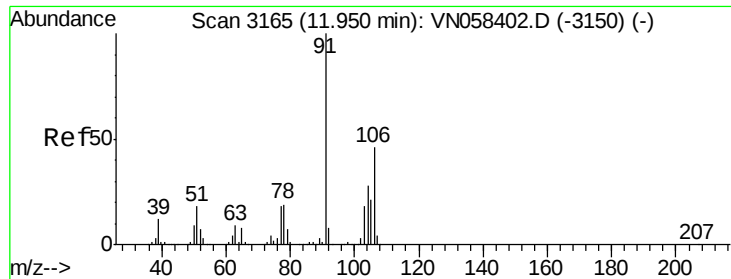
MMDadoda
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#68
m/p-Xylenes
Concen: 101.566 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 106 Resp: 967180
Ion Ratio Lower Upper
106 100
91 207.3 165.0 247.4





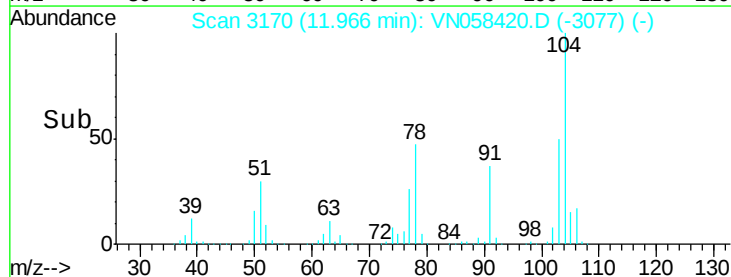
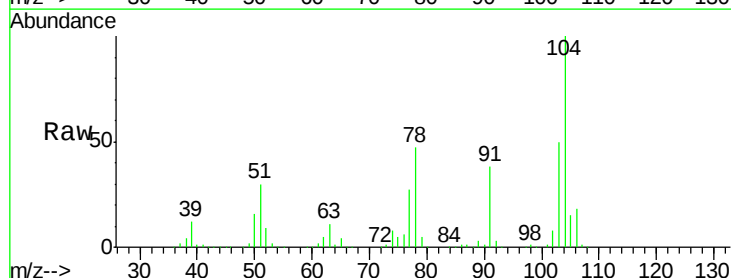
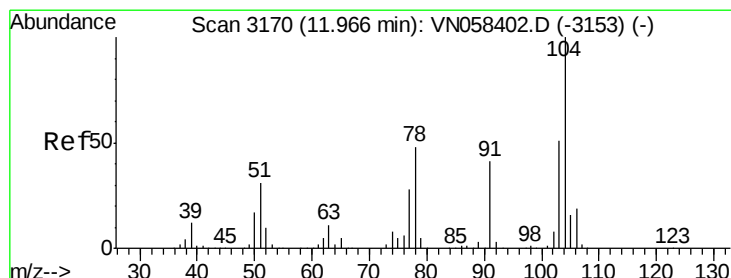
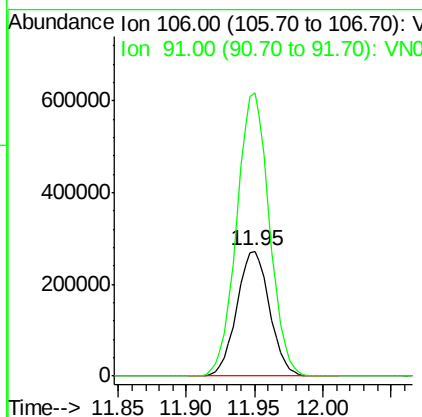
#69
o-Xylene
Concen: 49.713 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	455711		
91	91	225.1	109.1	327.4	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

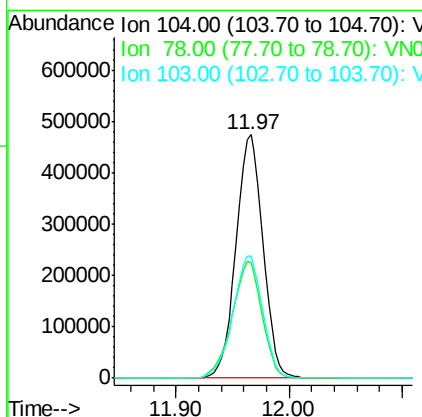
Manual Integrations
APPROVED

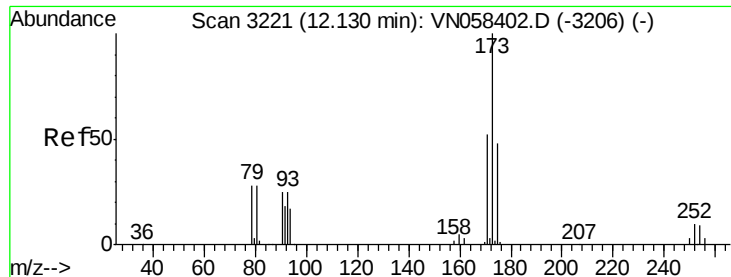
MMDadoda
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#70
Styrene
Concen: 53.027 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	789690		
78	78	52.8	42.8	64.2	
103	103	55.2	43.7	65.5	





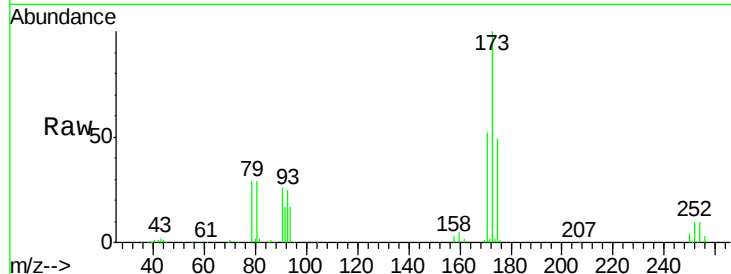
#71
Bromoform
Concen: 50.369 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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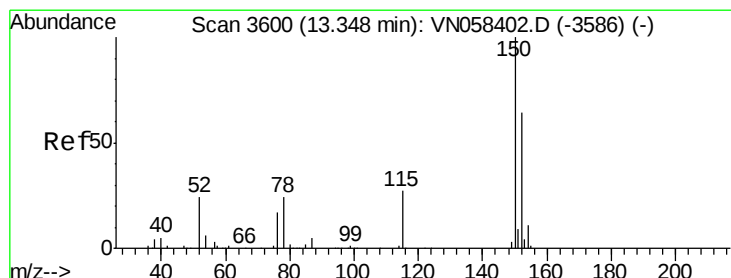
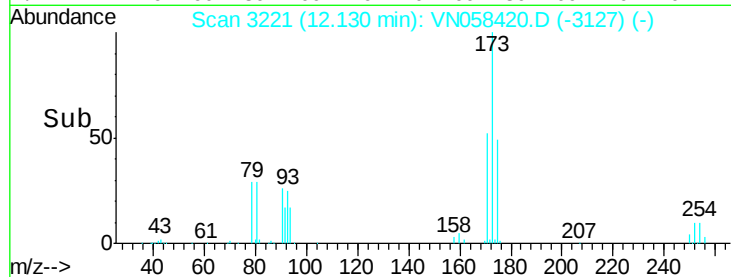
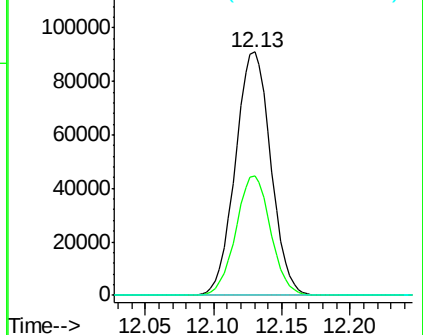


Abundance

Ion 172.70 (172.40 to 173.40): V

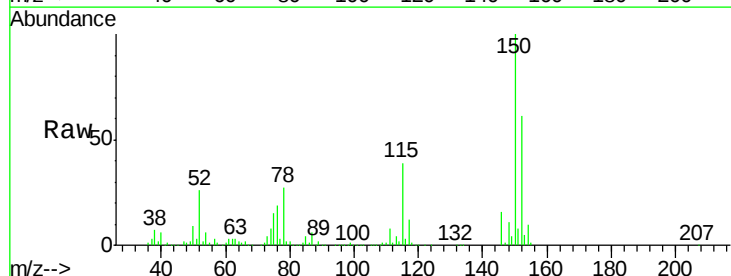
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.0	90.0
150	174.0	0.0	348.2

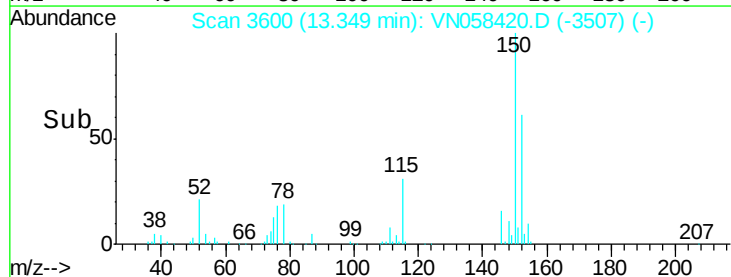
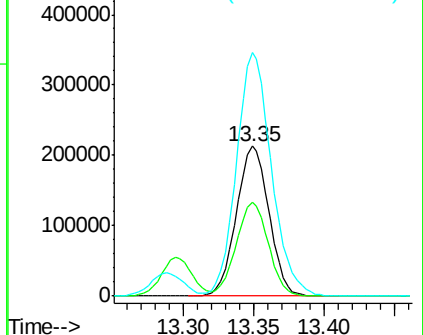


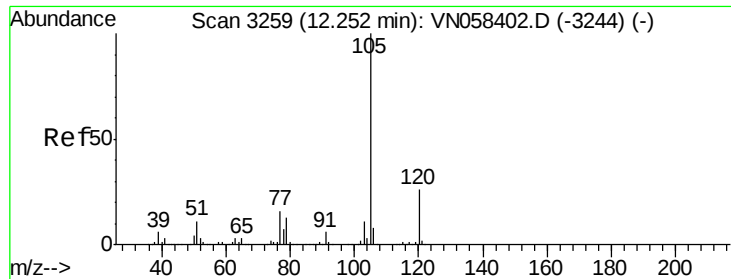
Abundance

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





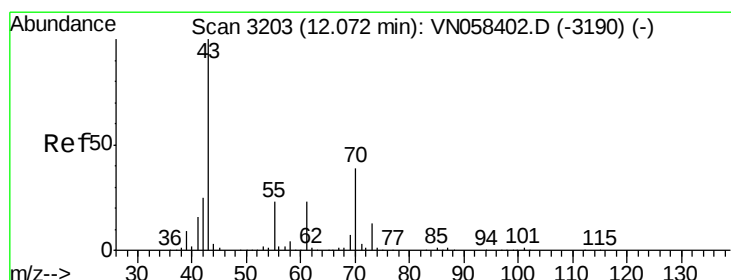
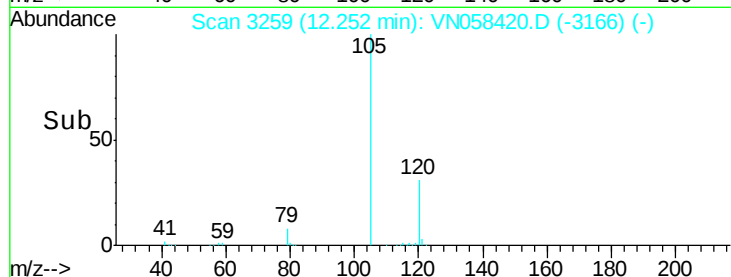
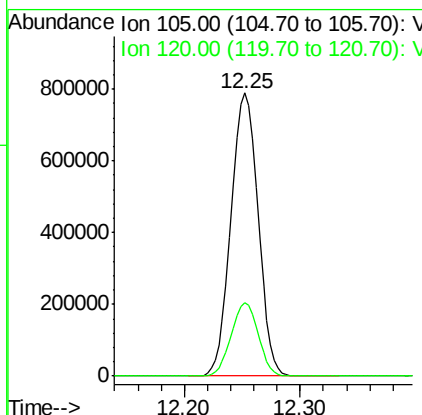
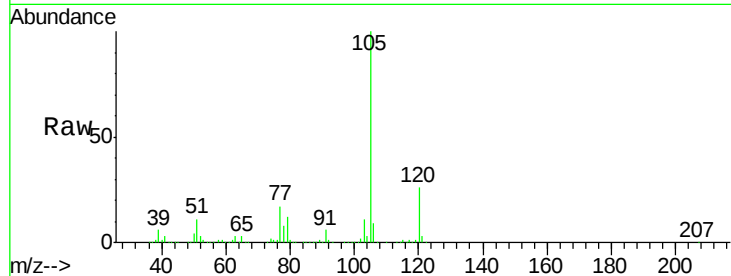
#73
Isopropylbenzene
Concen: 49.893 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1273019
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4

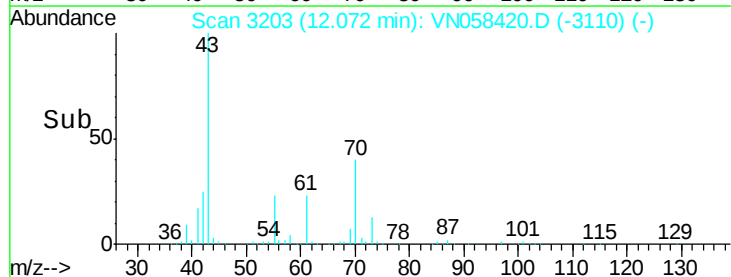
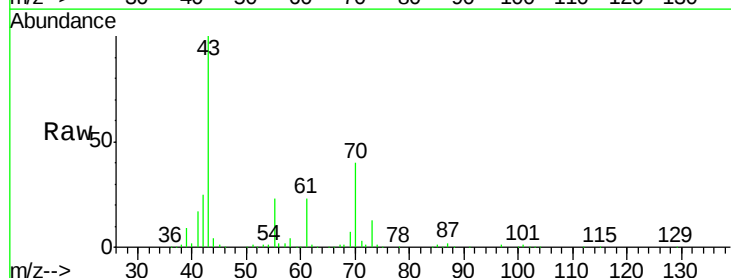
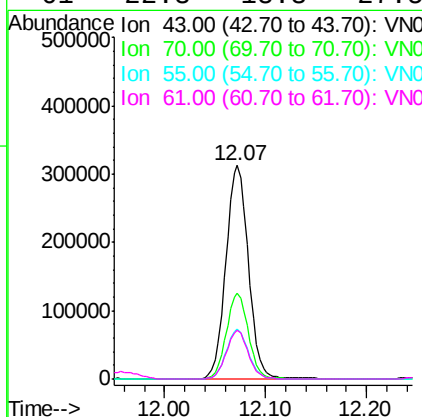
Manual Integrations
APPROVED

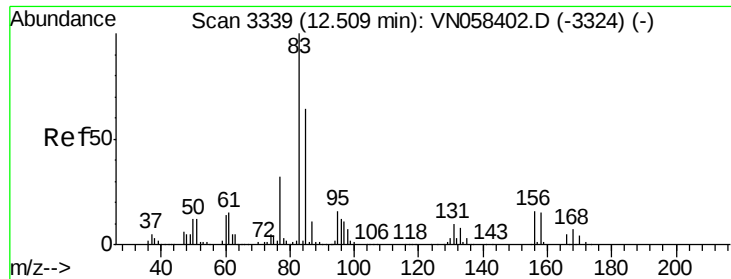
MMDadoda
10/2/2019 9:22:11 AM



#74
N-ethyl acetate
Concen: 48.109 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion: 43 Resp: 488331
Ion Ratio Lower Upper
43 100
70 39.5 31.4 47.2
55 23.3 18.2 27.4
61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.479 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 350678
Ion Ratio Lower Upper

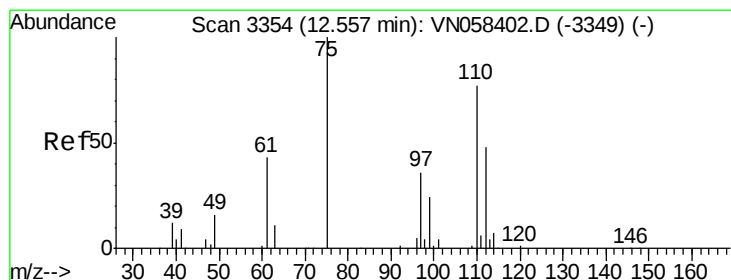
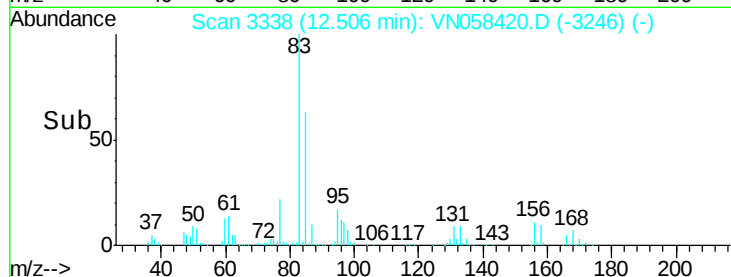
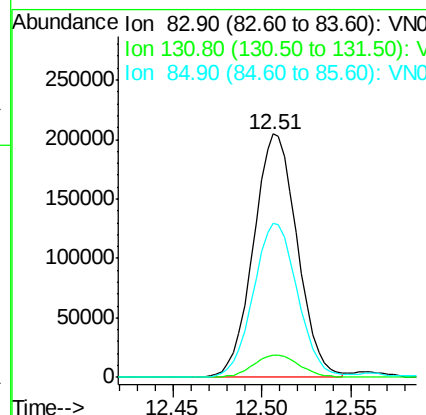
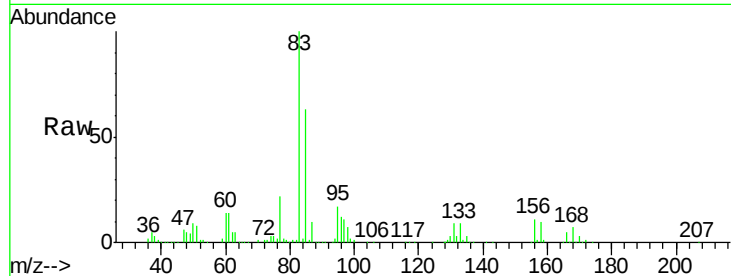
83 100

131 9.7 4.9 14.7

85 64.2 32.0 96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.256 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

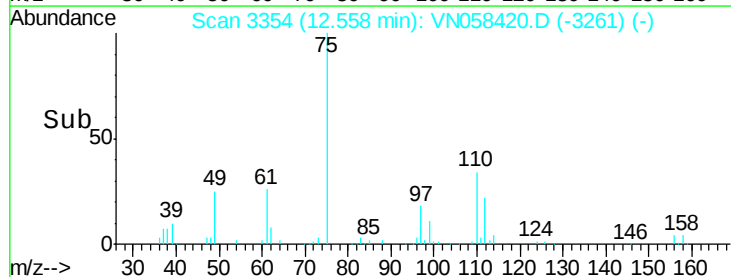
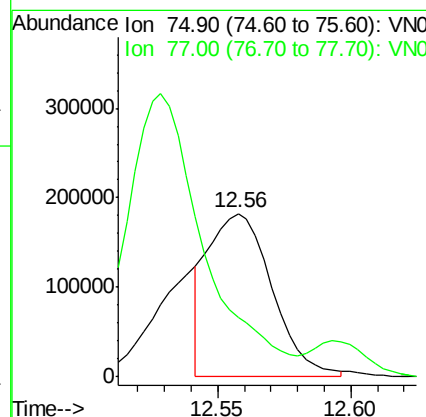
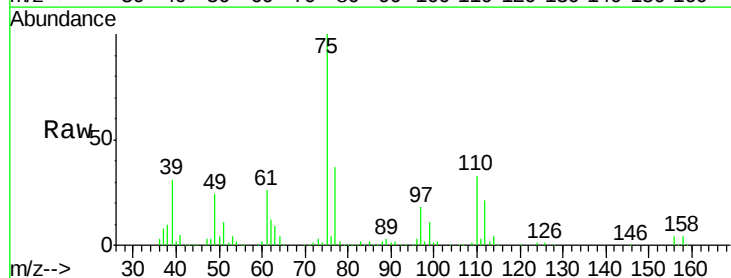
Lab File: VN058420.D

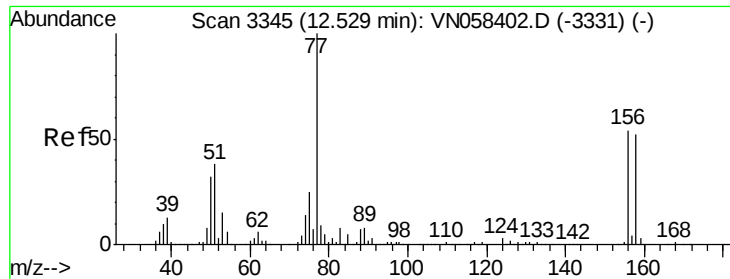
Acq: 30 Sep 2019 9:27

Tgt Ion: 75 Resp: 304308
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.863 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 286353

Ion Ratio Lower Upper

156 100

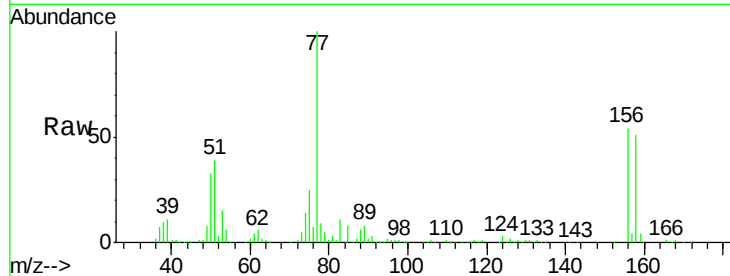
77 223.5 110.0 330.0

158 96.5 47.9 143.8

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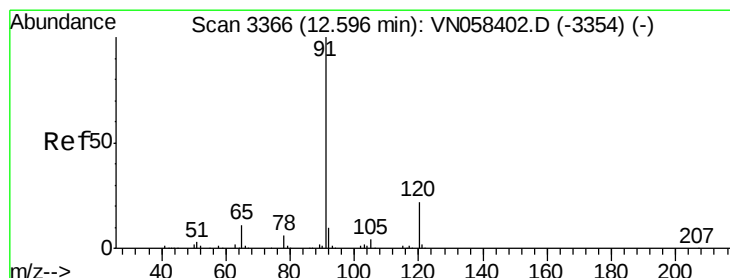
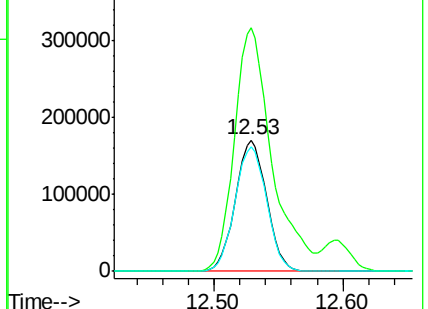
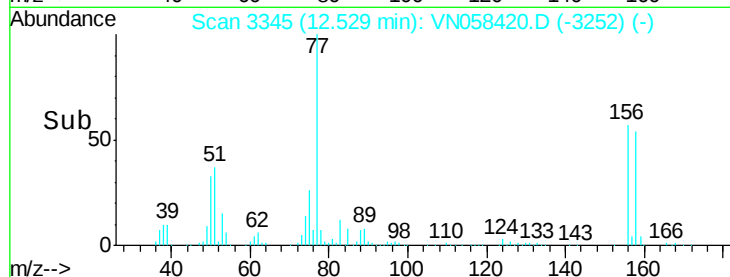
10/2/2019 9:22:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.708 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058420.D

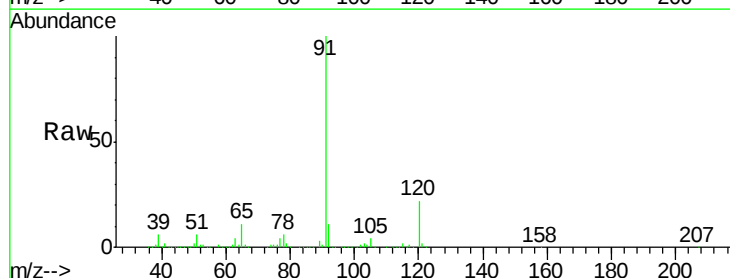
Acq: 30 Sep 2019 9:27

Tgt Ion: 91 Resp: 1515118

Ion Ratio Lower Upper

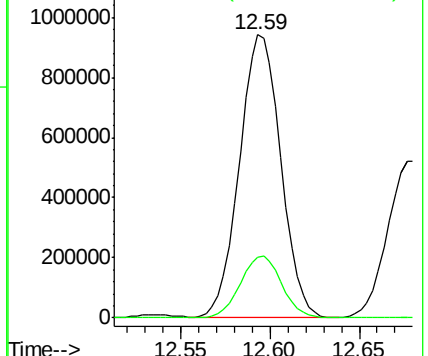
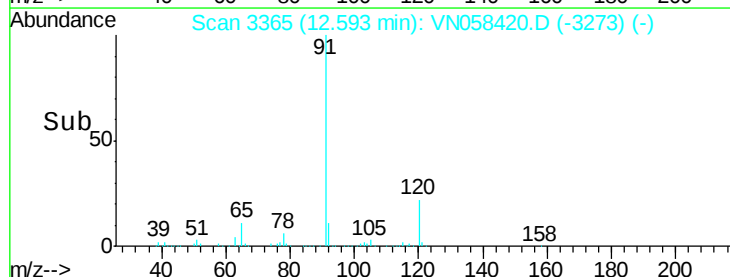
91 100

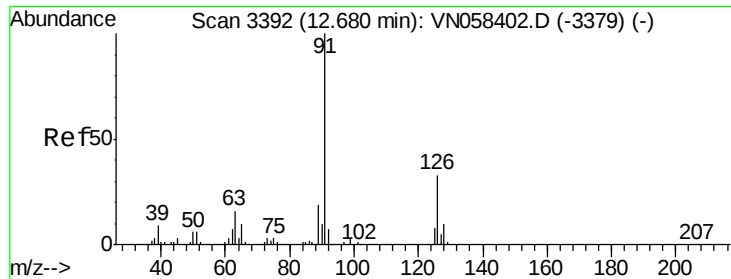
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.188 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 872733

Ion Ratio Lower Upper

91 100

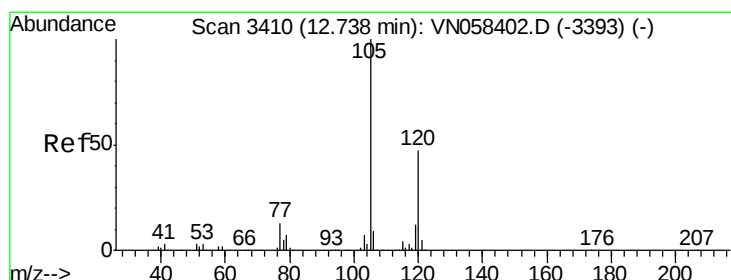
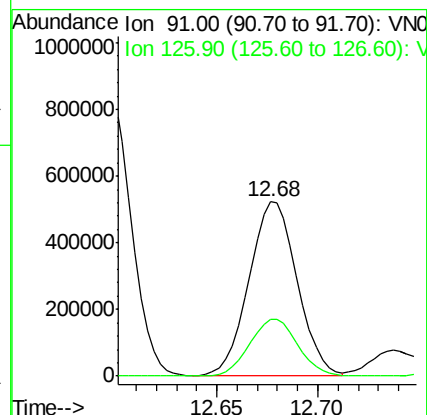
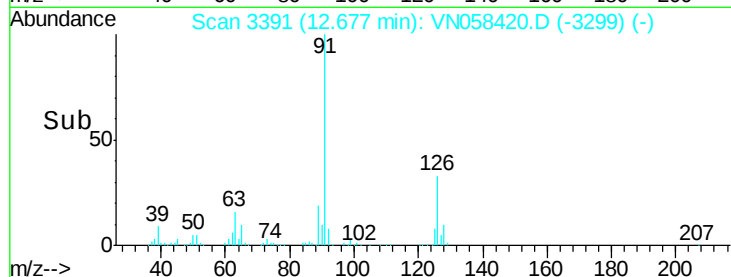
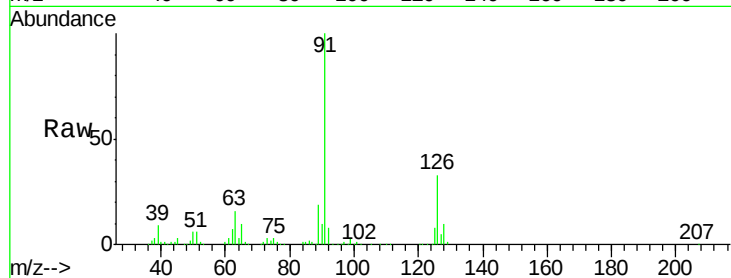
126 32.7 16.2 48.6

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#80

1,3,5-Trimethylbenzene

Concen: 51.216 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058420.D

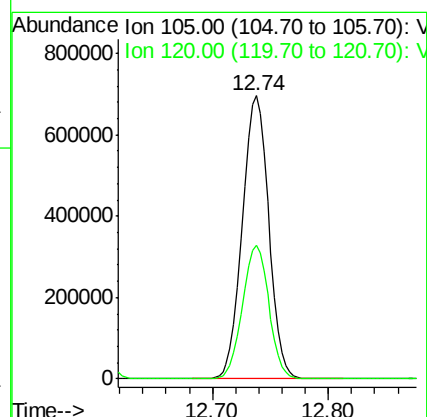
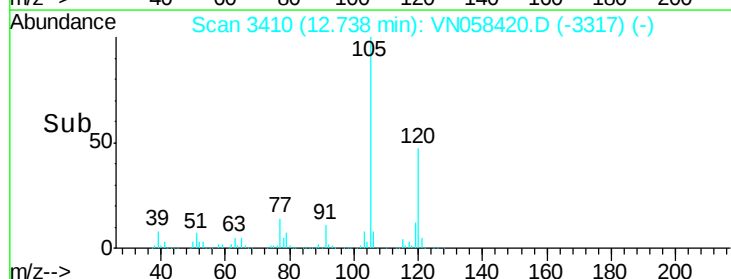
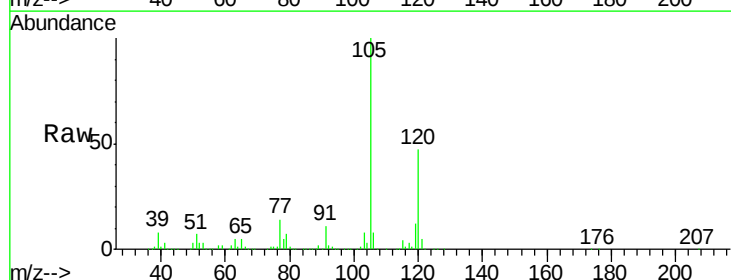
Acq: 30 Sep 2019 9:27

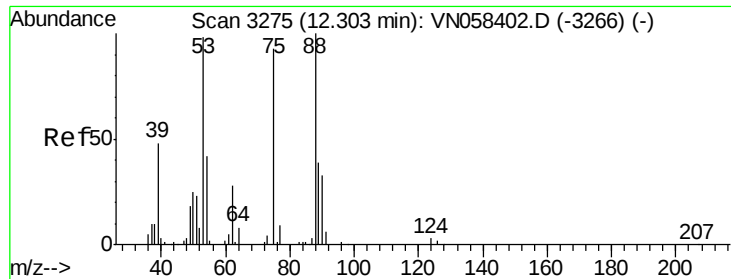
Tgt Ion: 105 Resp: 1093912

Ion Ratio Lower Upper

105 100

120 47.2 23.5 70.6





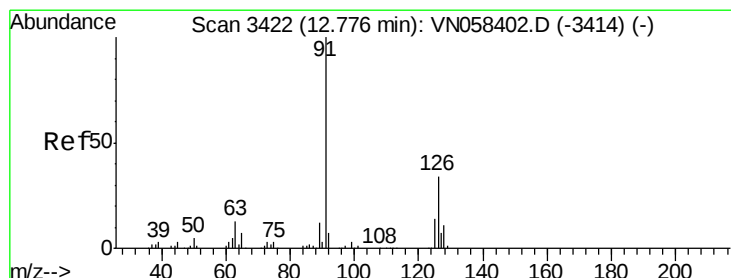
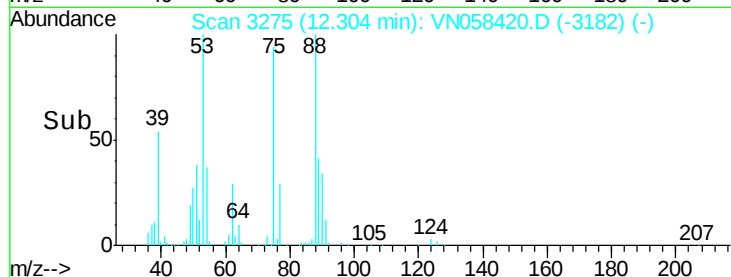
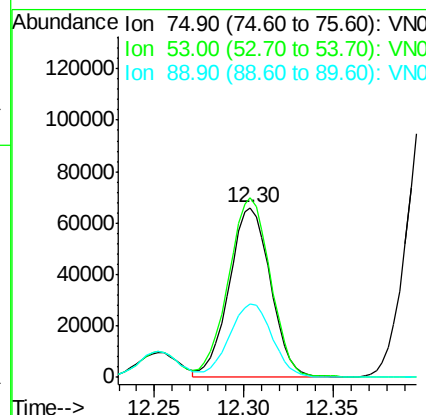
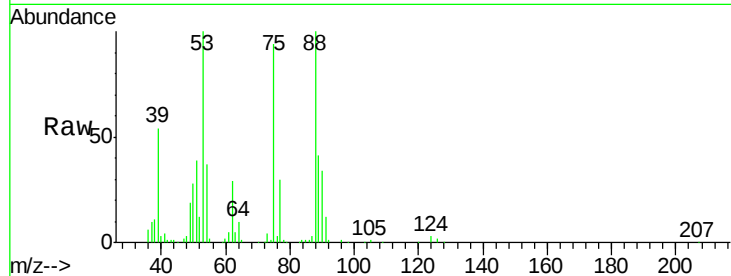
#81
trans-1,4-Dichloro-2-butene
Concen: 51.383 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.6	85.4	128.0
89	44.3	35.0	52.4

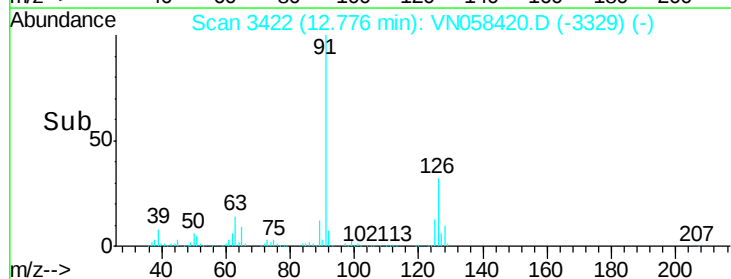
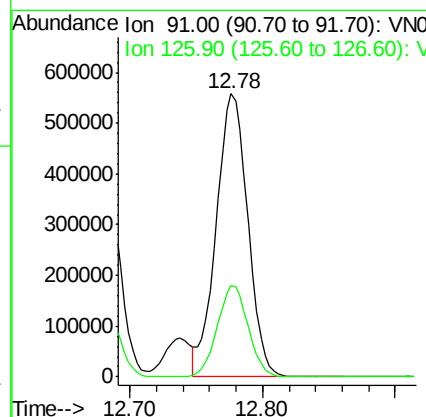
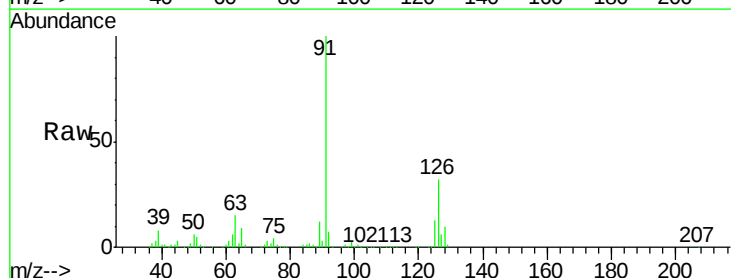
Manual Integrations
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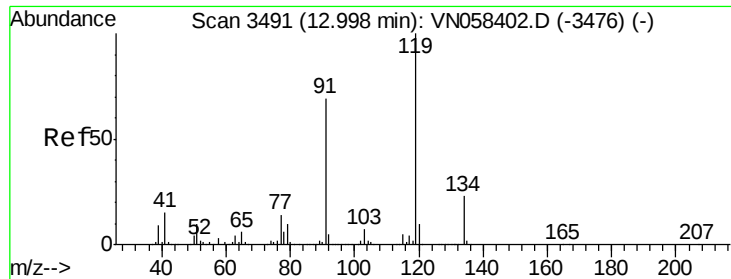
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.791 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058420.D
Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7





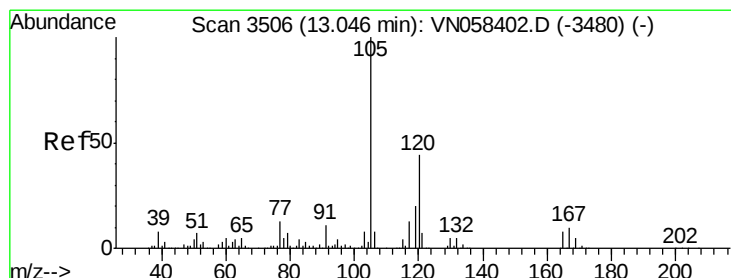
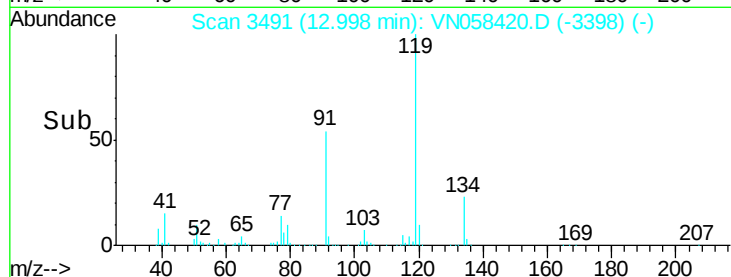
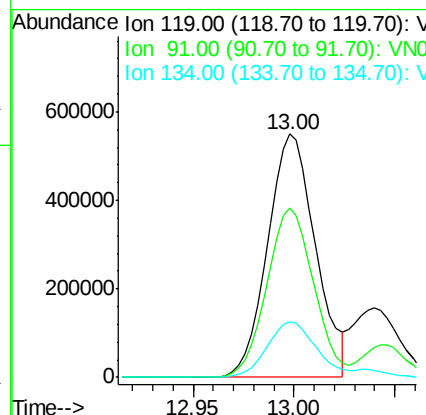
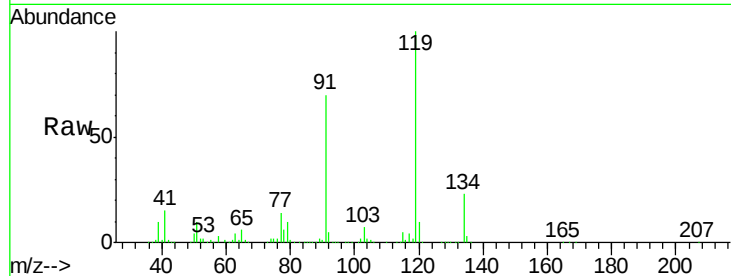
#83
 tert-Butylbenzene
 Concen: 50.168 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	904165		
91	68.3	34.2	102.6	
134	23.3	11.6	34.8	

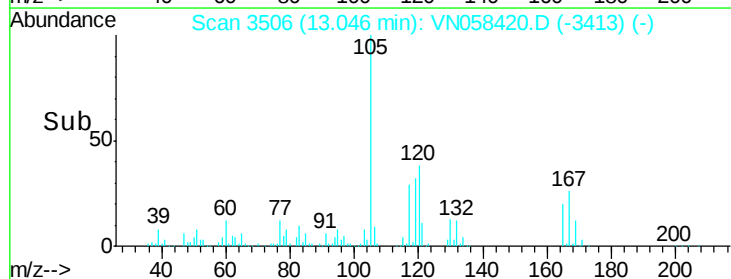
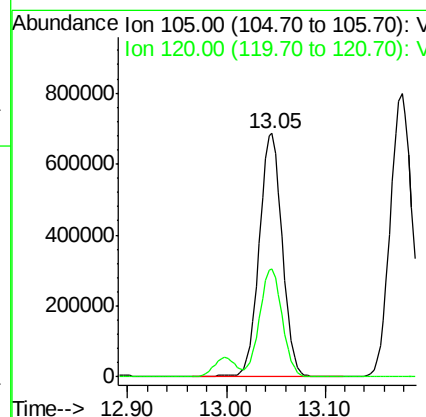
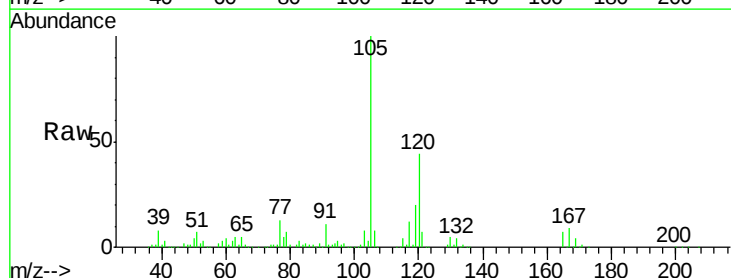
Manual Integrations
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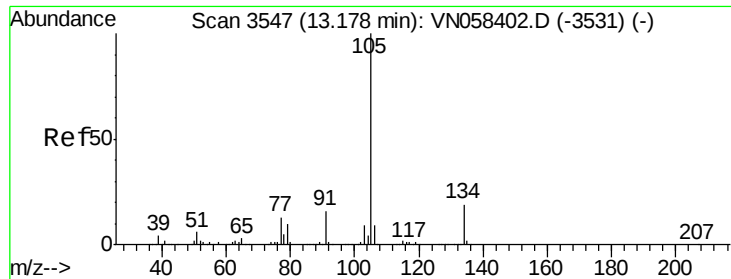
MMDadoda
 10/2/2019 9:22:11 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.251 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1096734		
120	43.9	21.7	65.1	





#85

sec-Butylbenzene

Concen: 52.483 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1244982

Ion Ratio Lower Upper

105 100

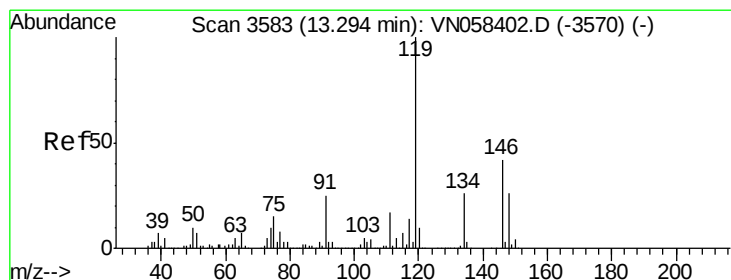
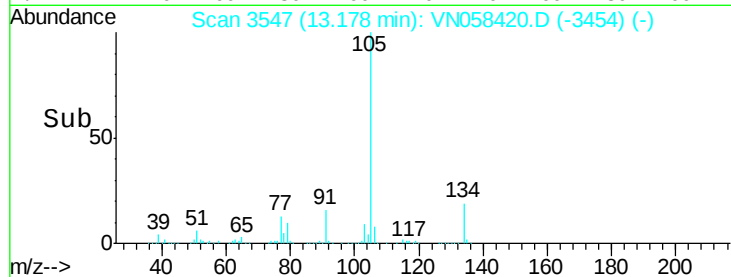
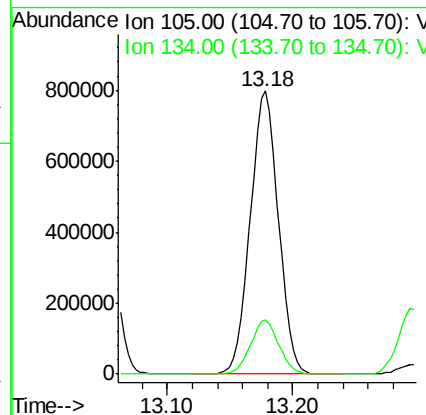
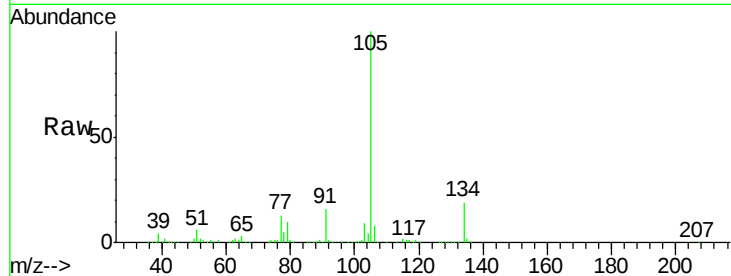
134 19.1 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 53.860 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

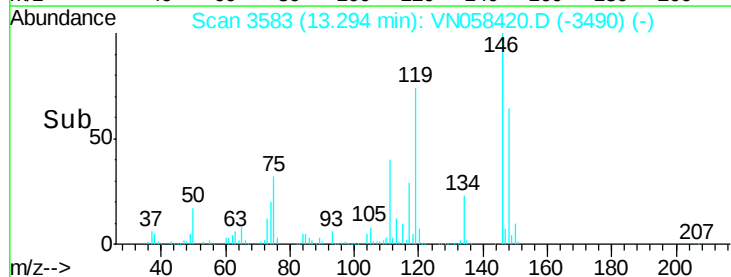
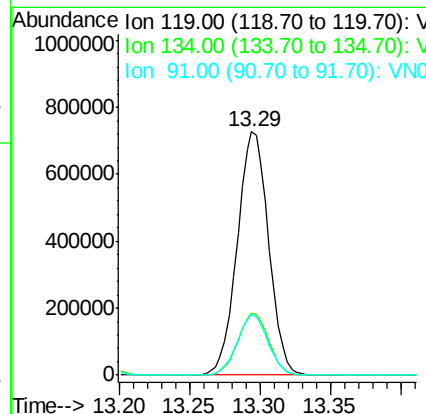
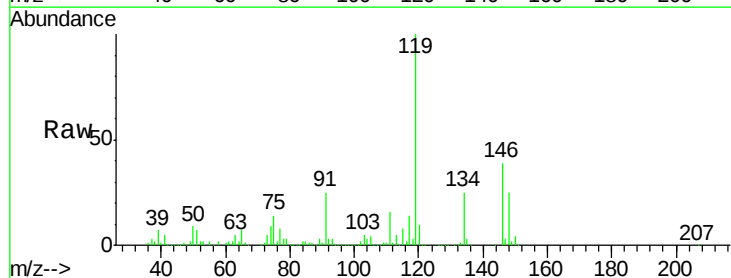
Tgt Ion:119 Resp: 1124629

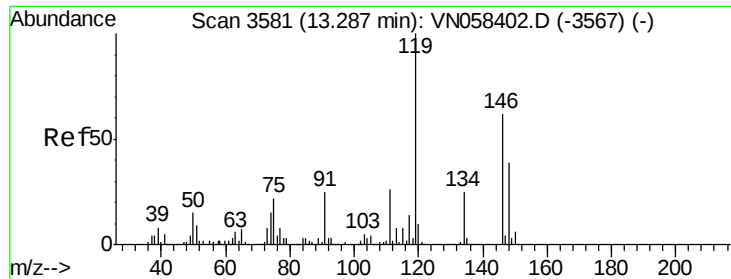
Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 24.4 12.4 37.0





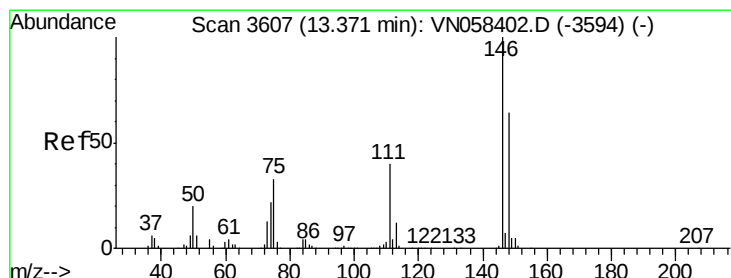
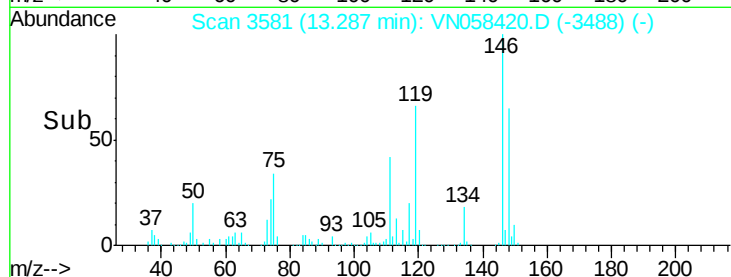
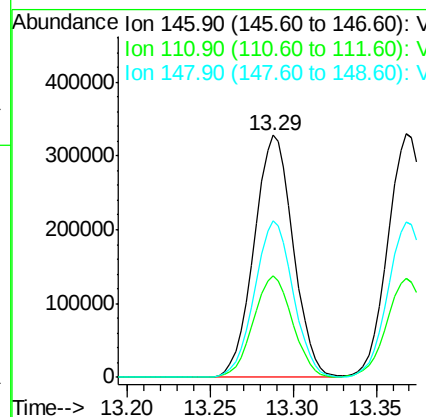
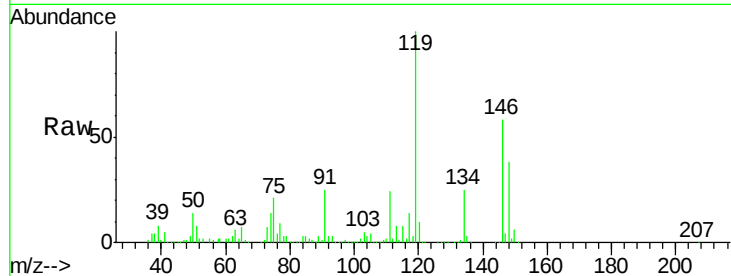
#87
 1,3-Dichlorobenzene
 Concen: 49.749 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	539694		
111	41.7	20.8	62.4	
148	63.7	31.4	94.3	

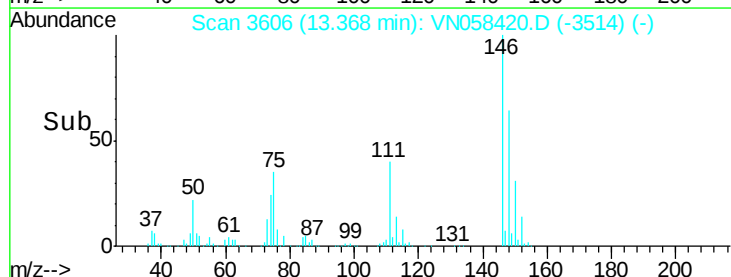
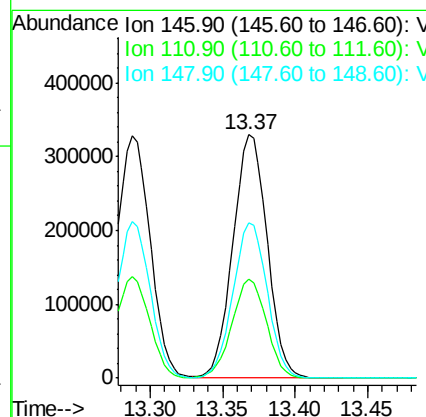
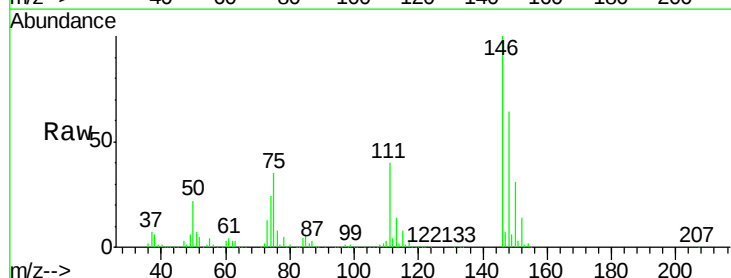
Manual Integrations
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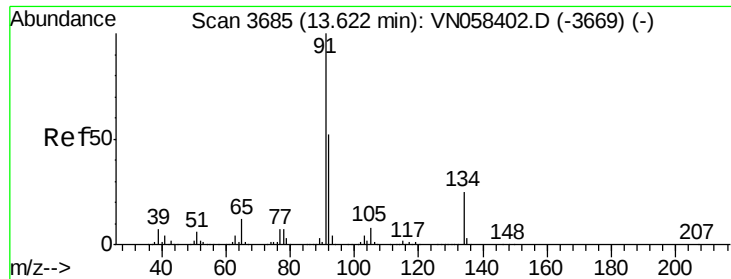
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 10/2/2019 9:22:11 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.895 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	538530		
111	40.9	20.5	61.6	
148	64.0	31.5	94.5	





#89

n-Butylbenzene

Concen: 54.056 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1022446

Ion Ratio Lower Upper

91 100

92 51.7 25.7 77.1

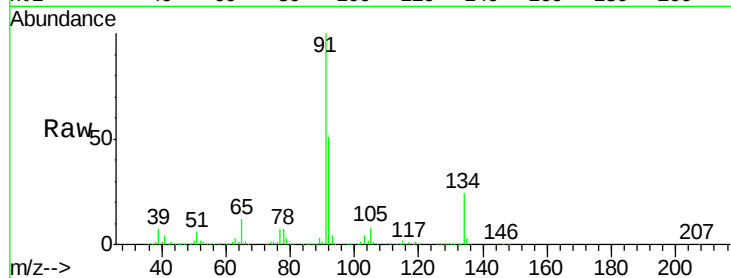
134 24.4 12.2 36.6

Manual Integrations

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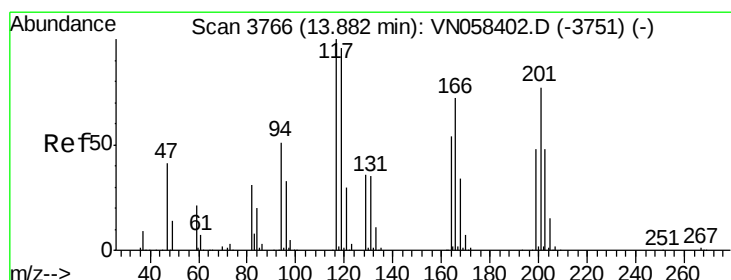
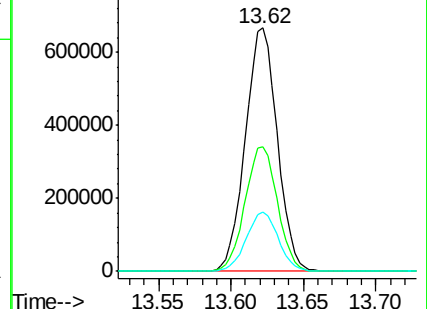
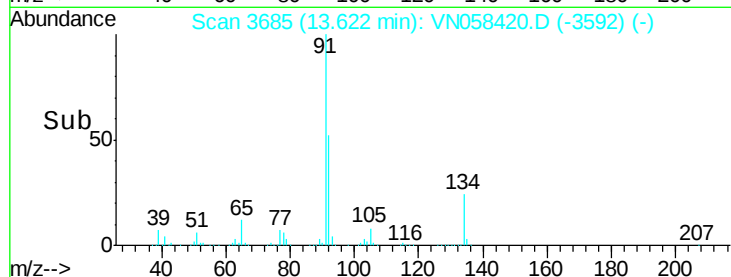
10/2/2019 9:22:11 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058420.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058420.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058420.D (-3669) (-)



#90

Hexachloroethane

Concen: 57.201 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058420.D

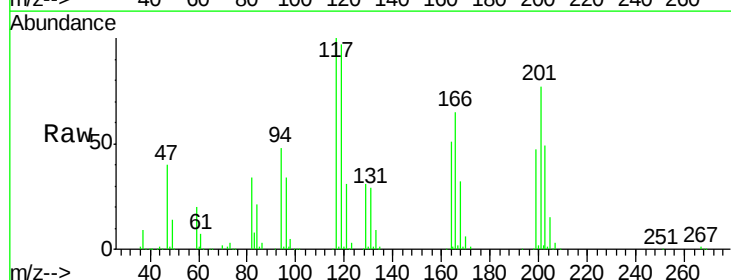
Acq: 30 Sep 2019 9:27

Tgt Ion: 117 Resp: 179456

Ion Ratio Lower Upper

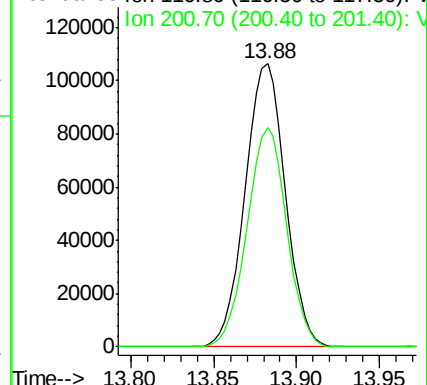
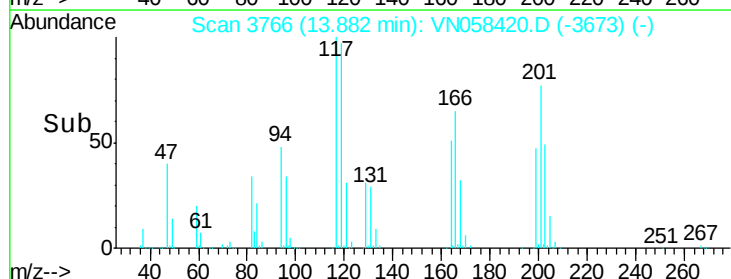
117 100

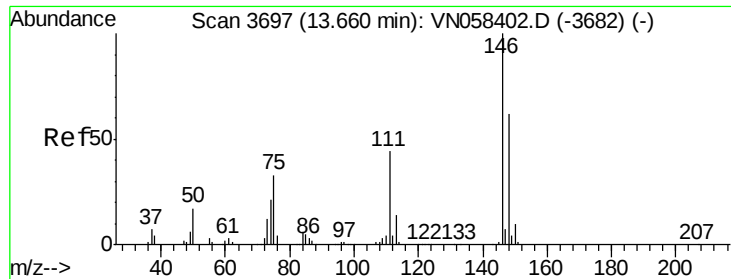
201 76.2 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058420.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058420.D (-3751) (-)





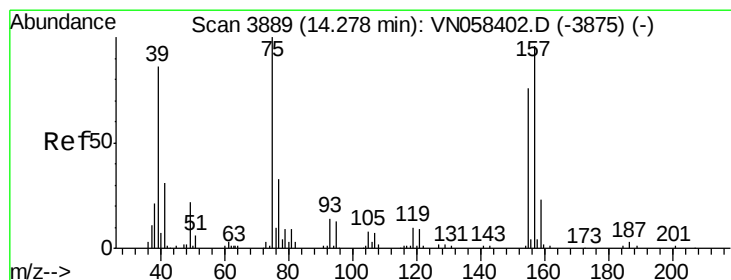
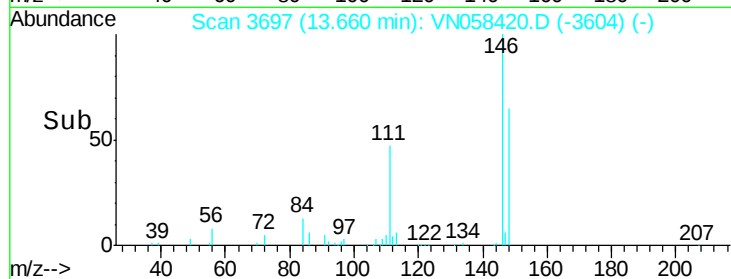
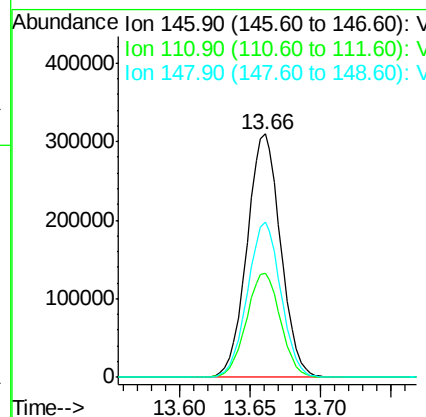
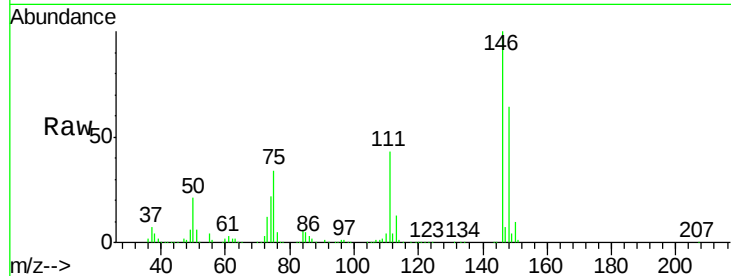
#91
 1,2-Dichlorobenzene
 Concen: 49.655 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.3
148	63.3	31.5	94.5

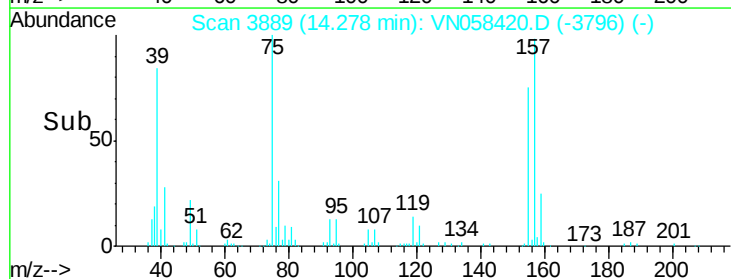
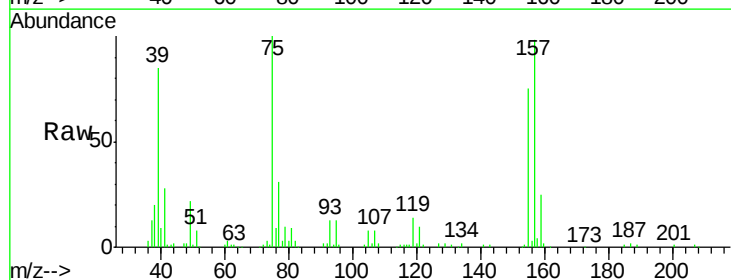
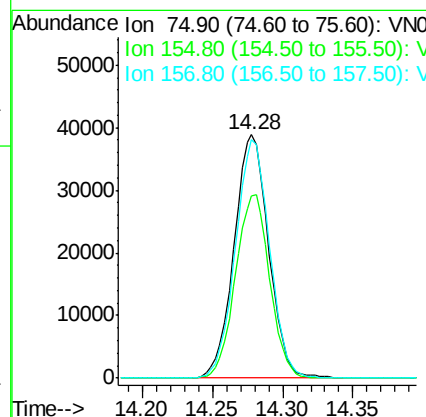
Manual Integrations
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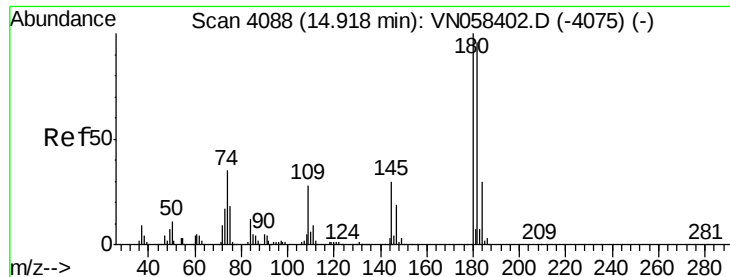
MMDadoda
 10/2/2019 9:22:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.155 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	39.2	117.6
157	96.6	48.7	146.1





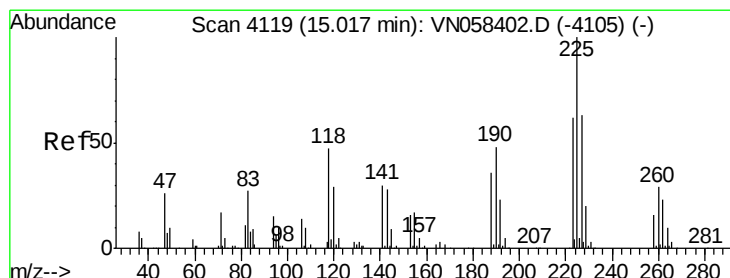
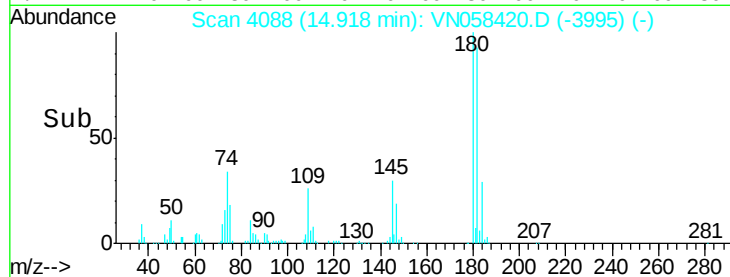
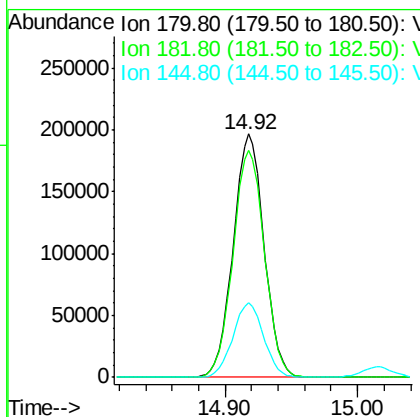
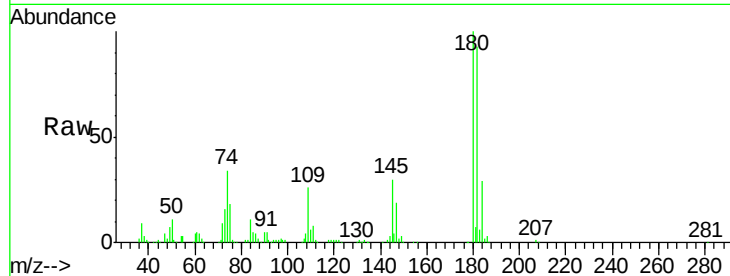
#93
 1,2,4-Trichlorobenzene
 Concen: 55.082 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	317268		
182	95.1	47.4	142.3	
145	30.6	15.3	45.9	

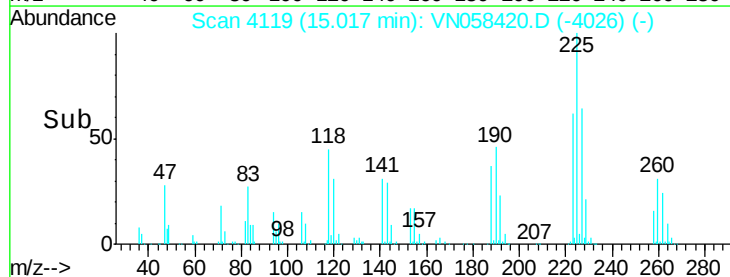
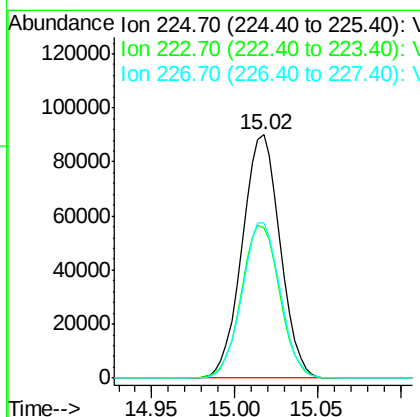
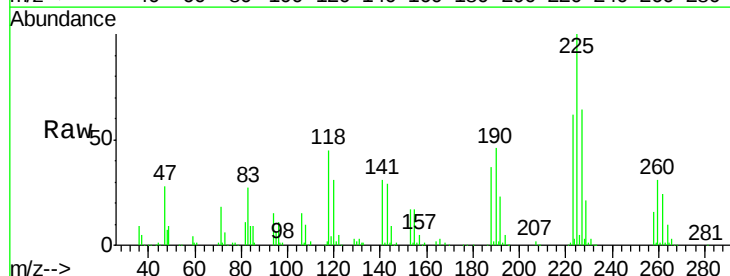
Manual Integrations
 APPROVED

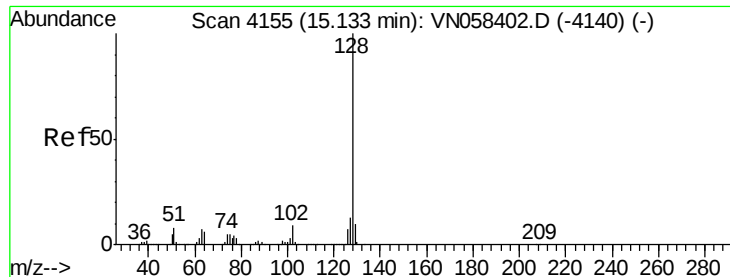
MMDadoda
 10/2/2019 9:22:11 AM



#94
 Hexachlorobutadiene
 Concen: 48.545 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058420.D
 Acq: 30 Sep 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143718		
223	63.5	31.1	93.5	
227	64.1	31.4	94.2	





#95

Naphthalene

Concen: 48.327 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Instrument :

MSVOA_N

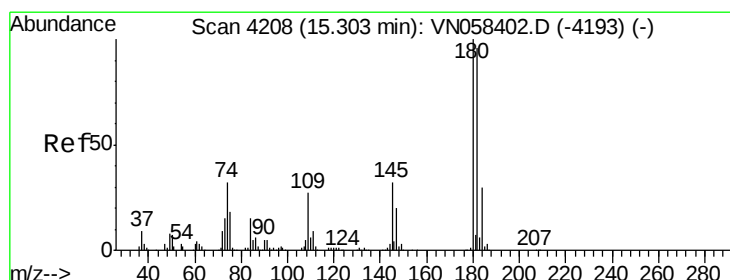
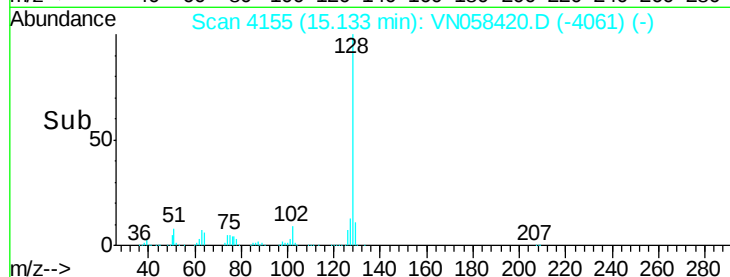
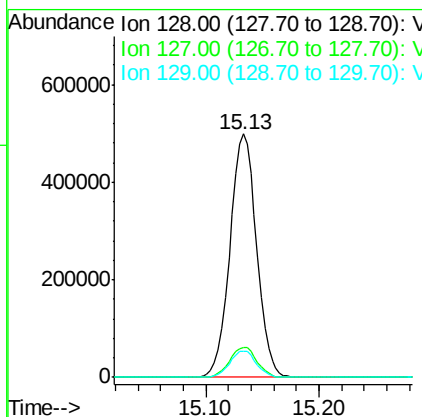
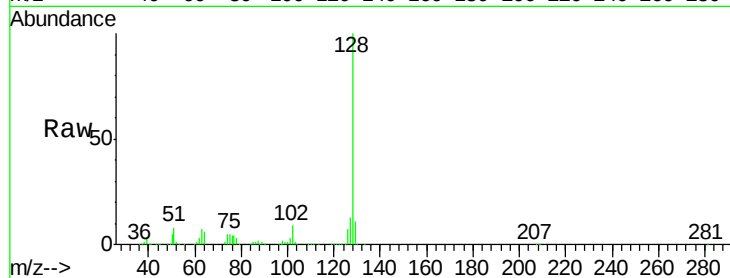
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	815203
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.582 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058420.D

Acq: 30 Sep 2019 9:27

Tgt Ion:	180	Resp:	292094
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.3	144.9
145	32.3	16.1	48.3

