

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060840.D
 Acq On : 6 Apr 2020 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 3:21:37 PM

Quant Time: Apr 07 07:13:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	209706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	339569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153951	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	139200	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	7.56	113	104100	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.08	98	423365	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.40	95	158863	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	91491	45.089	ug/l	100
3) Chloromethane	2.04	50	160000	42.220	ug/l	100
4) Vinyl Chloride	2.17	62	128228	43.260	ug/l	99
5) Bromomethane	2.54	94	62447	48.803	ug/l	98
6) Chloroethane	2.68	64	80096	46.909	ug/l	99
7) Trichlorofluoromethane	3.00	101	170995	46.830	ug/l	99
8) Diethyl Ether	3.38	74	72000	49.085	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	105289	49.764	ug/l	99
10) Methyl Iodide	3.93	142	86786	46.097	ug/l	100
11) Tert butyl alcohol	4.72	59	93129	219.966	ug/l	99
12) 1,1-Dichloroethene	3.71	96	103968	45.792	ug/l	96
13) Acrolein	3.57	56	106376	226.704	ug/l	99
14) Allyl chloride	4.29	41	194498	48.707	ug/l	96
15) Acrylonitrile	4.94	53	305876	245.687	ug/l	100
16) Acetone	3.77	43	401133	393.374	ug/l	100
17) Carbon Disulfide	4.03	76	300342	43.495	ug/l	100
18) Methyl Acetate	4.28	43	149746	52.172	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	378060	48.431	ug/l	98
20) Methylene Chloride	4.52	84	118936	47.414	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	114181	47.186	ug/l	97
22) Diisopropyl ether	5.91	45	430479	51.026	ug/l	98
23) Vinyl Acetate	5.85	43	1756475	255.172	ug/l	99
24) 1,1-Dichloroethane	5.81	63	228650	49.716	ug/l	99
25) 2-Butanone	6.79	43	482157	292.200	ug/l	98
26) 2,2-Dichloropropane	6.79	77	196694	54.357	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	132729	48.268	ug/l	98
28) Bromochloromethane	7.17	49	111213	50.541	ug/l	98
29) Tetrahydrofuran	7.17	42	273533	234.288	ug/l	99
30) Chloroform	7.34	83	215356	48.844	ug/l	99
31) Cyclohexane	7.63	56	212042	45.732	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	184833	48.629	ug/l	99
36) 1,1-Dichloropropene	7.77	75	166197	50.545	ug/l	99
37) Ethyl Acetate	6.89	43	176556	49.694	ug/l	99
38) Carbon Tetrachloride	7.75	117	148940	50.540	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	205140	52.499	ug/l	98
40) Benzene	8.02	78	498494	50.221	ug/l	100
41) Methacrylonitrile	7.15	41	87575m	57.758	ug/l	
42) 1,2-Dichloroethane	8.10	62	171936	50.686	ug/l	100
43) Isopropyl Acetate	8.14	43	297700	50.808	ug/l	100
44) Trichloroethene	8.82	130	127196	50.833	ug/l	99
45) 1,2-Dichloropropane	9.10	63	137173	52.374	ug/l	100
46) Dibromomethane	9.19	93	80806	51.033	ug/l	100
47) Bromodichloromethane	9.38	83	169587	51.541	ug/l	100
48) Methyl methacrylate	9.18	41	131881	50.554	ug/l	99
49) 1,4-Dioxane	9.18	88	29136	939.632	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	864443	259.265	ug/l	100
52) Toluene	10.14	92	306250	51.088	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	201982	53.441	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	218939	52.803	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	118509	51.387	ug/l	98
56) Ethyl methacrylate	10.42	69	192316	53.482	ug/l	99
57) 1,3-Dichloropropane	10.70	76	205931	51.457	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	489031	273.629	ug/l	100
59) 2-Hexanone	10.74	43	676763	281.772	ug/l	100
60) Dibromochloromethane	10.89	129	125237	52.572	ug/l	100
61) 1,2-Dibromoethane	10.99	107	119455	51.511	ug/l	100
64) Tetrachloroethene	10.62	164	121414	49.049	ug/l	99
65) Chlorobenzene	11.42	112	312817	50.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	115190	51.018	ug/l	98
67) Ethyl Benzene	11.50	91	596508	51.438	ug/l	100
68) m/p-Xylenes	11.61	106	437916	101.619	ug/l	99
69) o-Xylene	11.94	106	210418	51.149	ug/l	100
70) Styrene	11.96	104	350649	52.117	ug/l	100
71) Bromoform	12.12	173	89856	47.955	ug/l #	100
73) Isopropylbenzene	12.24	105	568824	49.234	ug/l	100
74) N-amyl acetate	12.06	43	262021	49.080	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	167730	48.007	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	155282m	46.744	ug/l	
77) Bromobenzene	12.52	156	135040	48.506	ug/l	99
78) n-propylbenzene	12.59	91	681938	49.960	ug/l	99
79) 2-Chlorotoluene	12.67	91	394543	48.377	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	484979	49.465	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	64667	49.996	ug/l	98
82) 4-Chlorotoluene	12.77	91	414630	49.917	ug/l	99
83) tert-Butylbenzene	12.99	119	403902	49.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	486329	50.139	ug/l	99
85) sec-Butylbenzene	13.17	105	563736	51.580	ug/l	100
86) p-Isopropyltoluene	13.28	119	508629	51.753	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	246830	50.270	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	246602	49.989	ug/l	100
89) n-Butylbenzene	13.61	91	485900	54.761	ug/l	100
90) Hexachloroethane	13.87	117	77822	54.475	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	235831	50.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33445	45.679	ug/l	99

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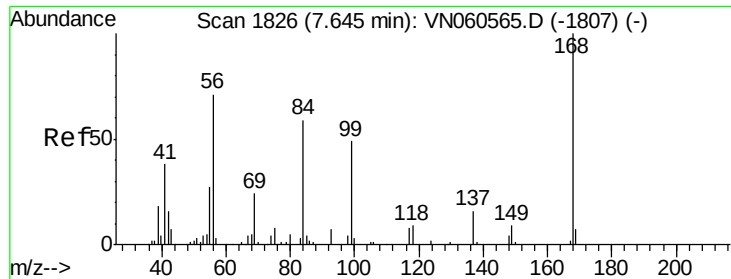
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	155905	54.074	ug/l	98
94) Hexachlorobutadiene	15.01	225	79453	56.214	ug/l	99
95) Naphthalene	15.13	128	423660	48.854	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	144330	50.823	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 209706

Ion Ratio Lower Upper

168 100

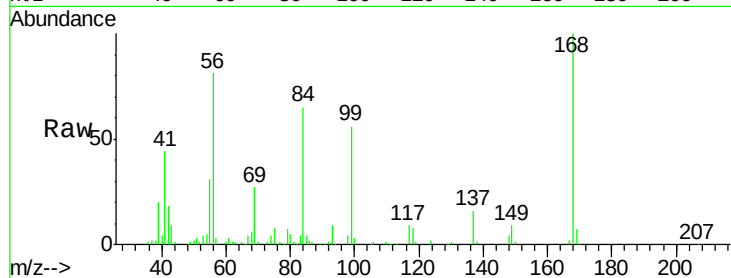
99 56.1 44.0 66.0

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

7.64

80000

60000

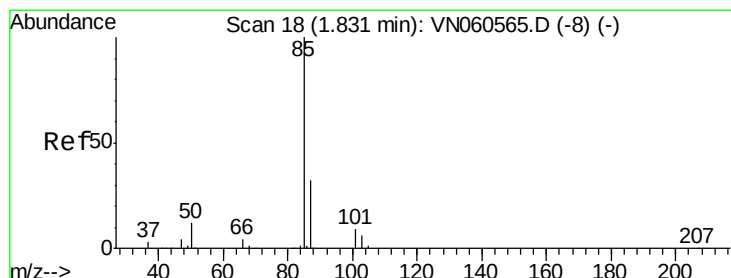
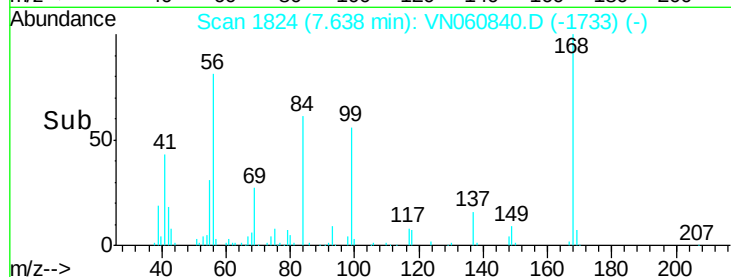
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.089 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060840.D

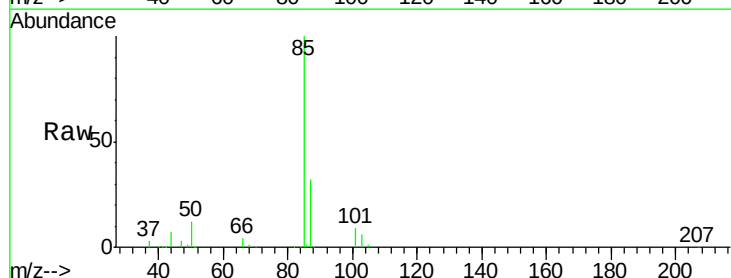
Acq: 6 Apr 2020 10:24

Tgt Ion: 85 Resp: 91491

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

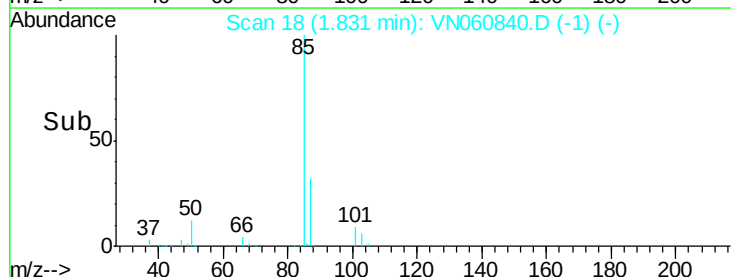
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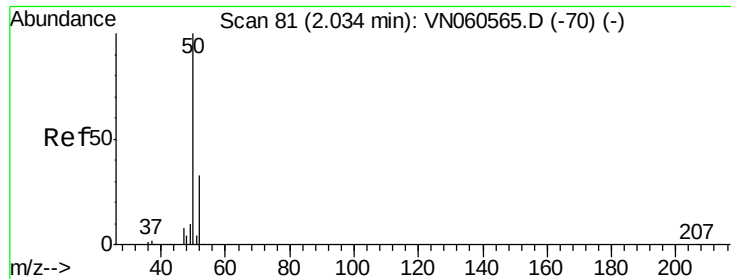
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 42.220 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 160000

Ion Ratio Lower Upper

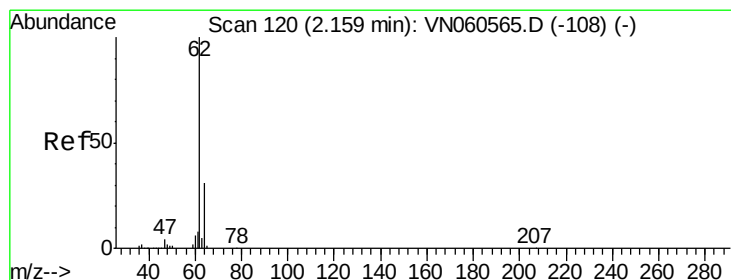
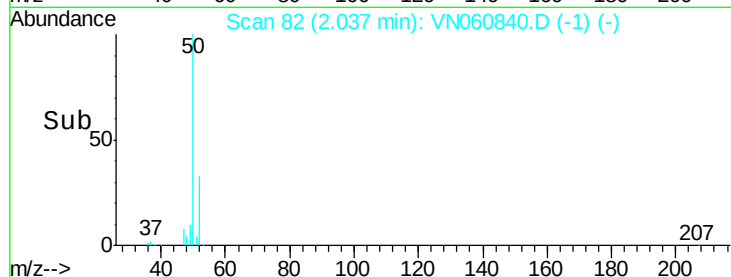
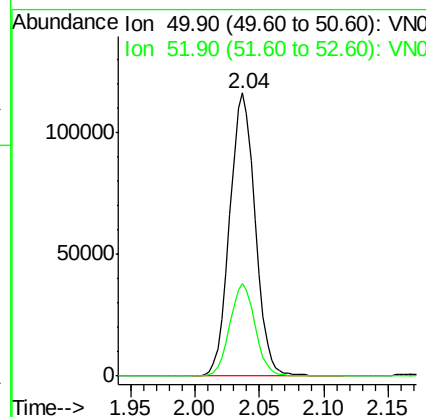
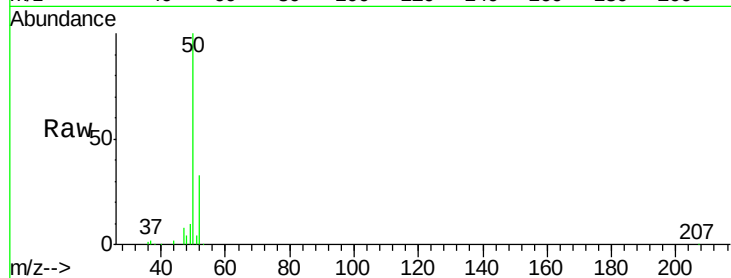
50 100

52 32.6 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 43.260 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060840.D

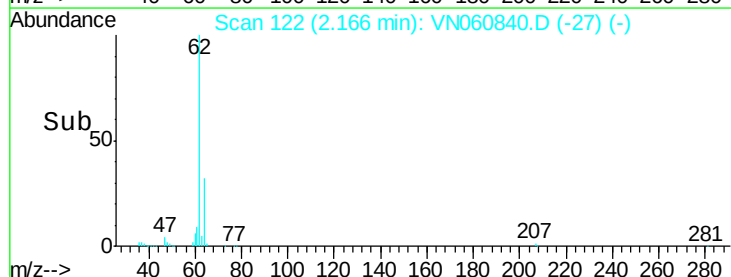
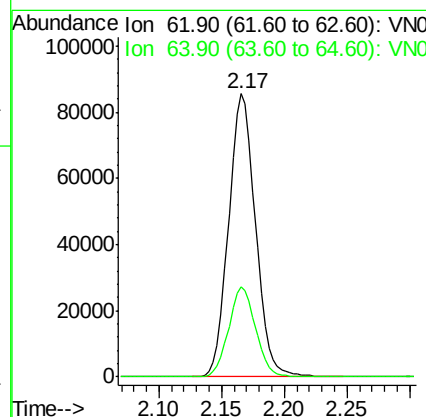
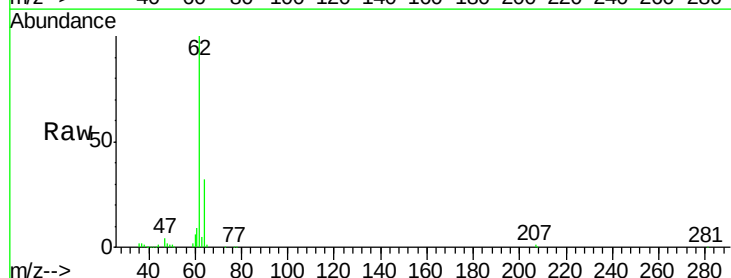
Acq: 6 Apr 2020 10:24

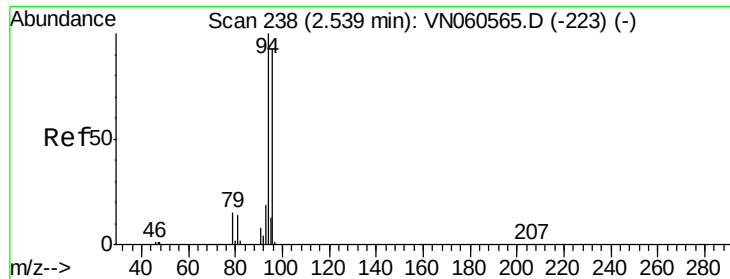
Tgt Ion: 62 Resp: 128228

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 48.803 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 62447

Ion Ratio Lower Upper

94 100

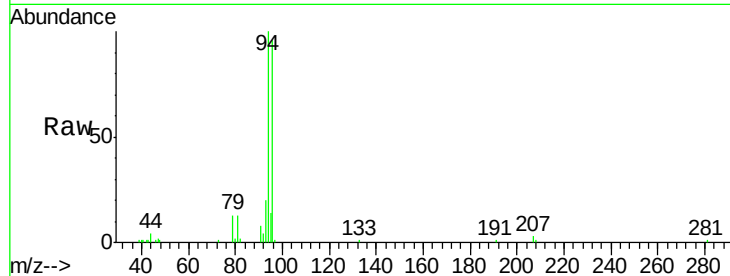
96 95.3 74.6 112.0

Manual Integrations

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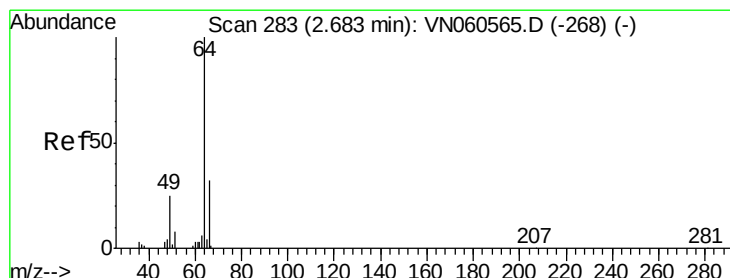
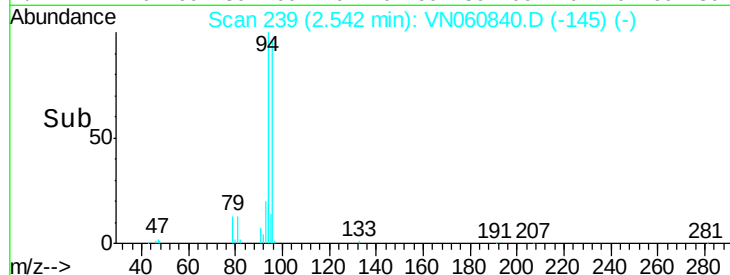
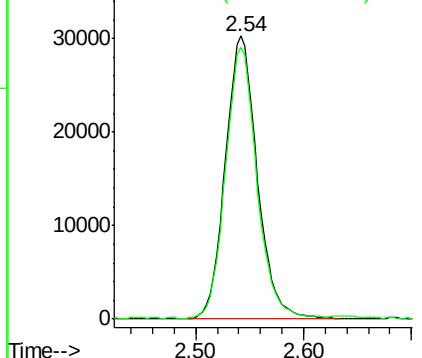
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.909 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060840.D

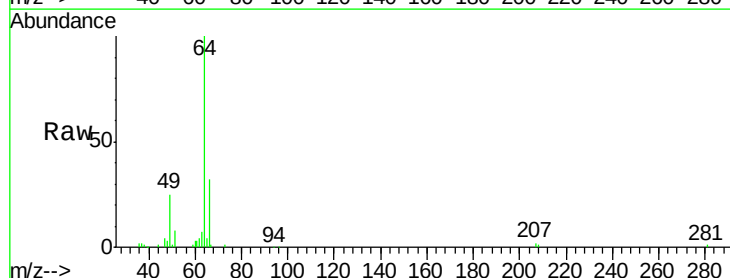
Acq: 6 Apr 2020 10:24

Tgt Ion: 64 Resp: 80096

Ion Ratio Lower Upper

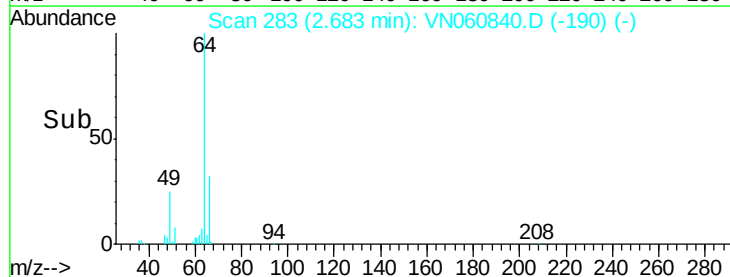
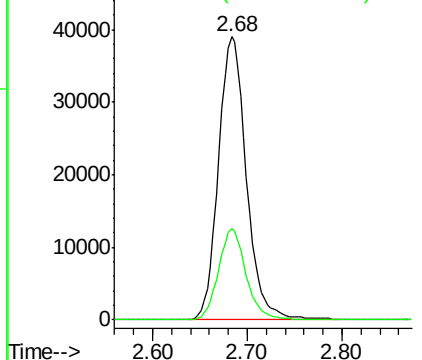
64 100

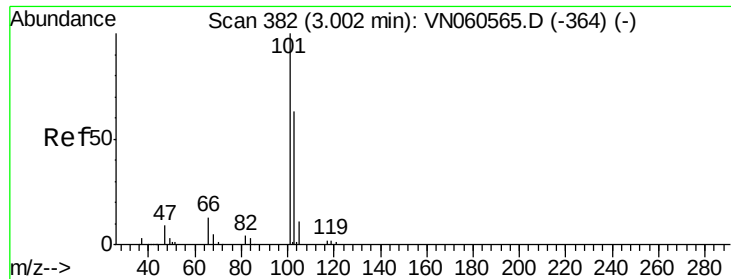
66 32.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

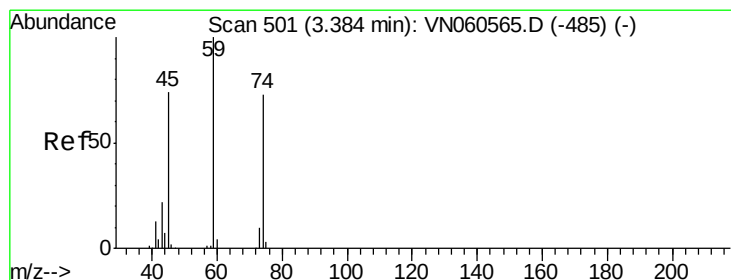
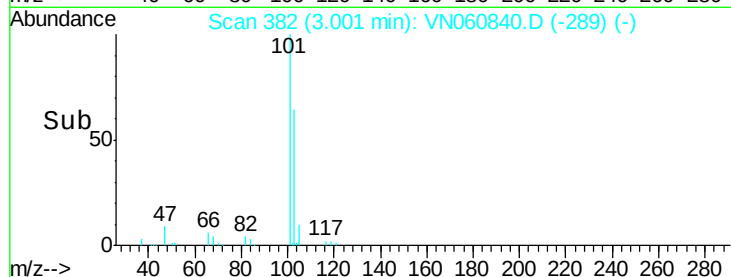
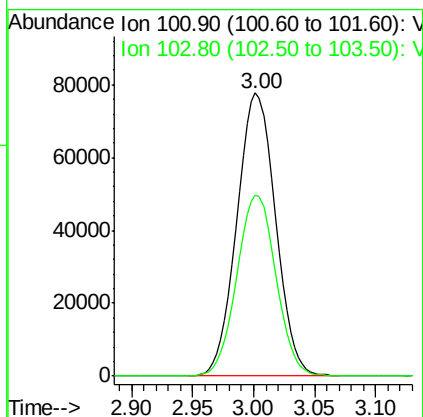
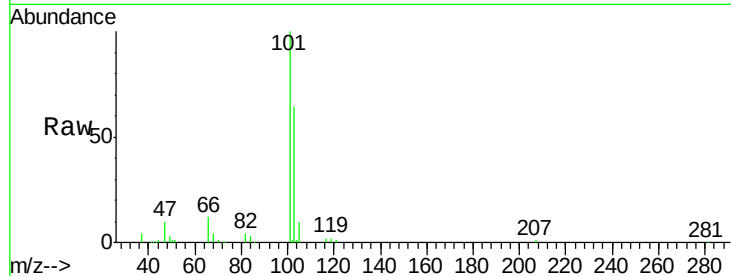
Trichlorofluoromethane
Concen: 46.830 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.6	76.0

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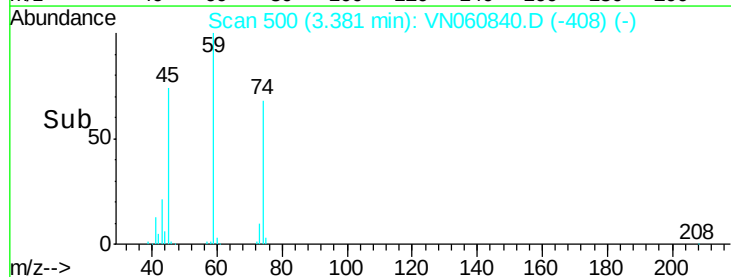
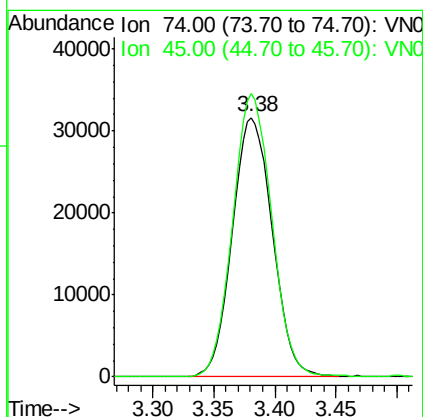
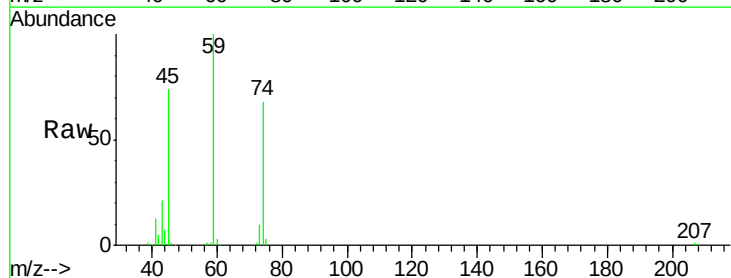
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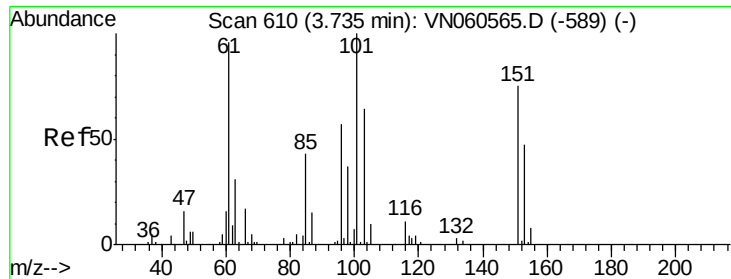


#8

Diethyl Ether
Concen: 49.085 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.4	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.764 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

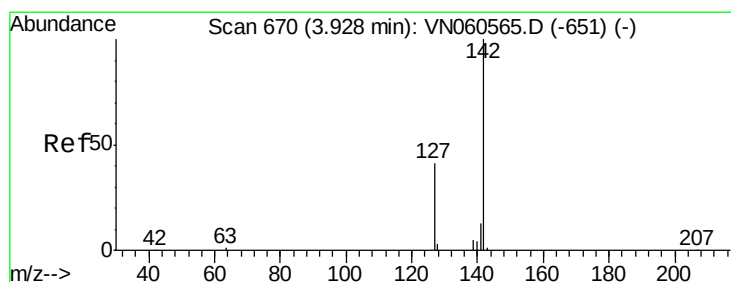
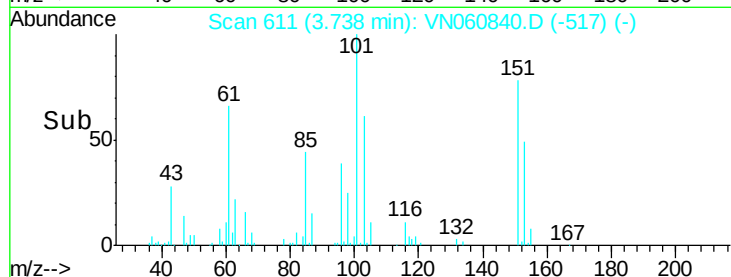
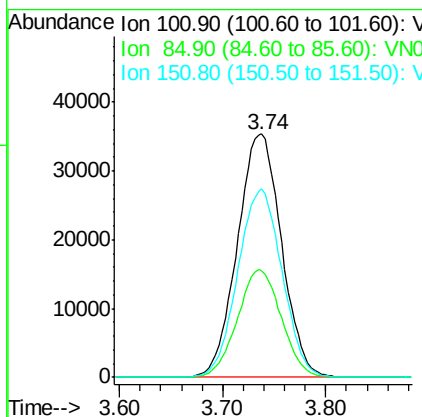
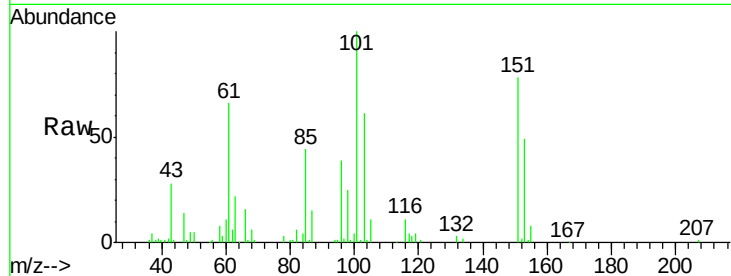
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	105289
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.6	53.4
151	77.3	61.4	92.2

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#10

Methyl Iodide

Concen: 46.097 ug/l

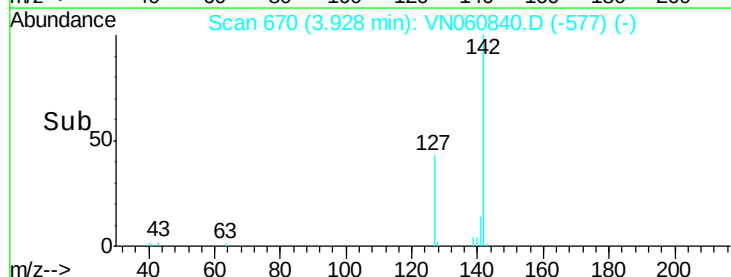
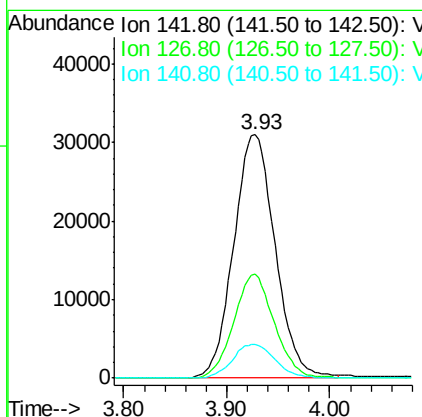
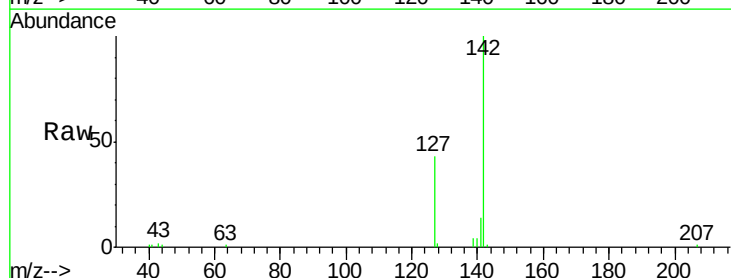
RT: 3.93 min Scan# 670

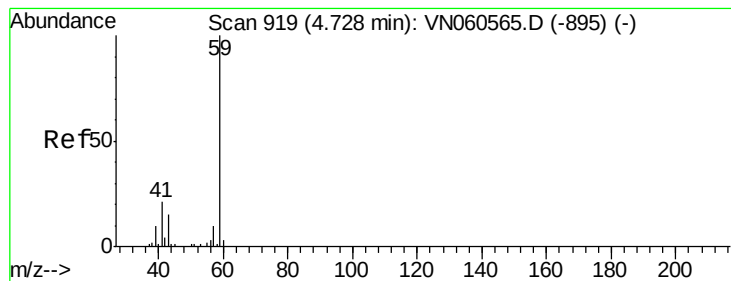
Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion:	142	Resp:	86786
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.5	50.3
141	14.1	11.0	16.6





#11

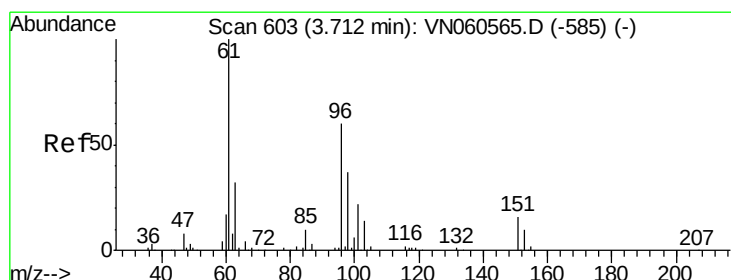
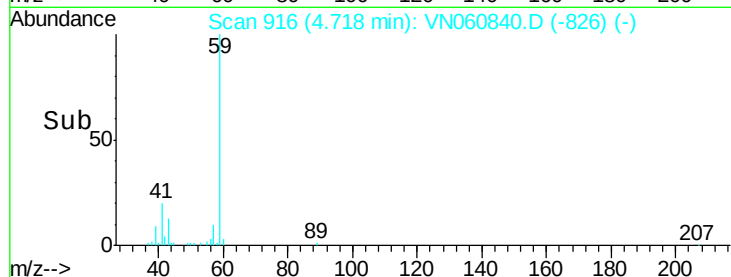
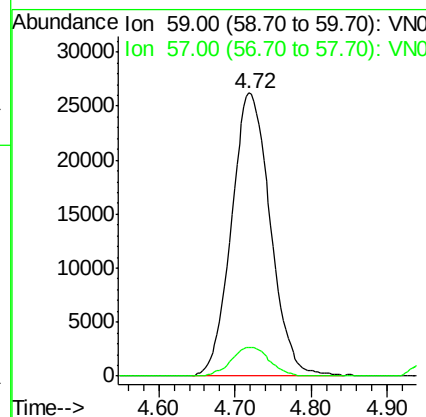
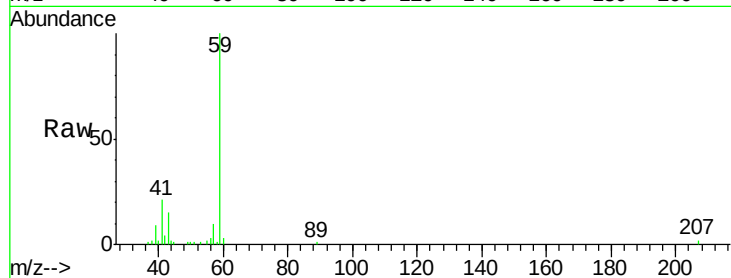
Tert butyl alcohol
 Concen: 219.966 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
 APPROVED

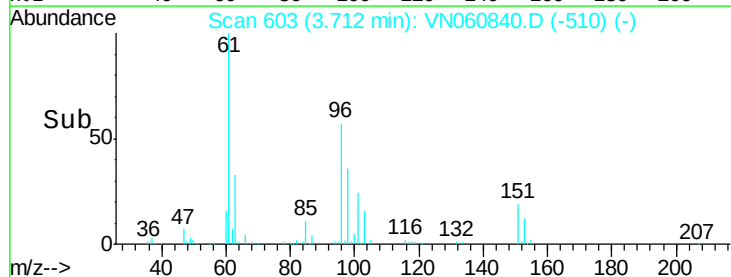
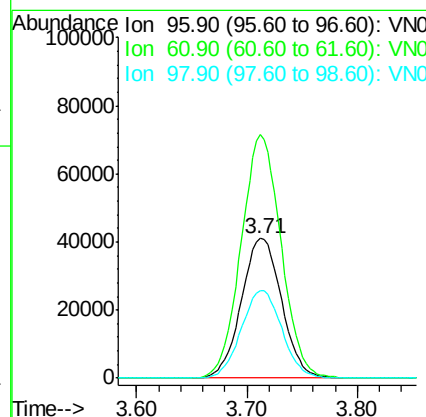
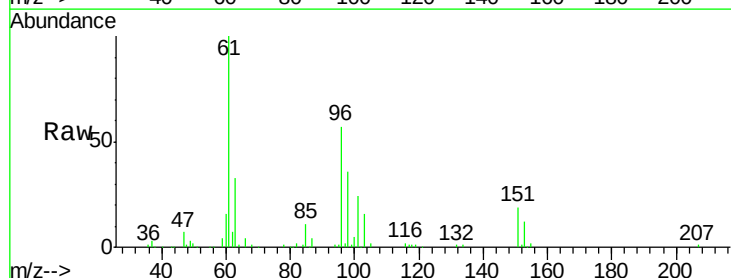
MMDadoda
 4/7/2020 3:21:37 PM

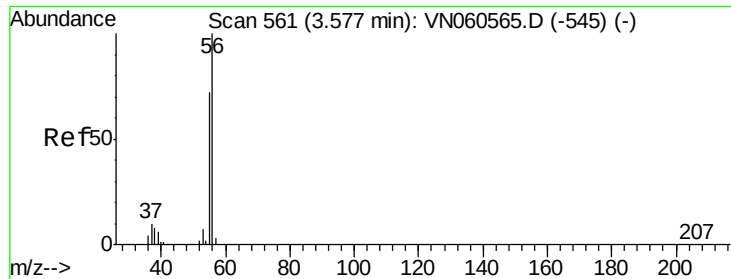


#12

1,1-Dichloroethene
 Concen: 45.792 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	134.1	201.1
98	63.0	49.9	74.9





#13

Acrolein

Concen: 226.704 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 106376

Ion Ratio Lower Upper

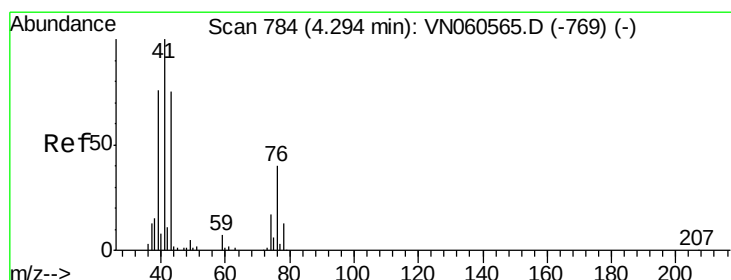
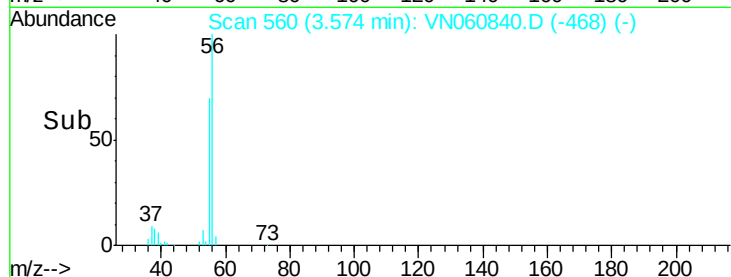
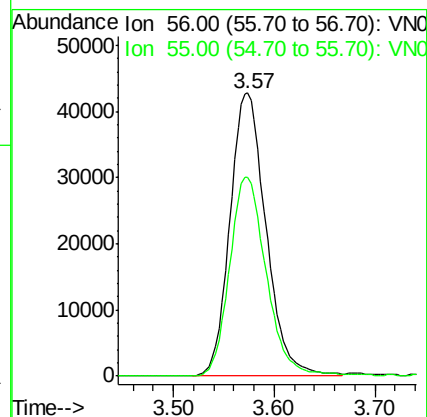
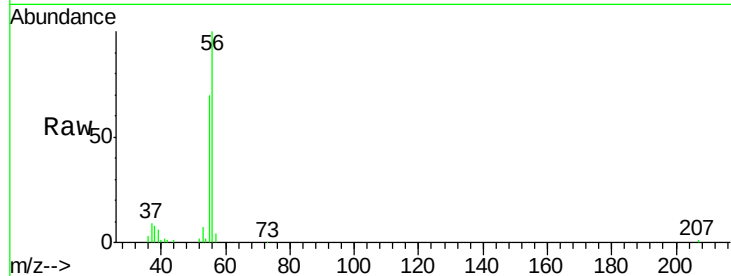
56 100

55 71.5 56.7 85.1

Manual Integrations
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4/7/2020 3:21:37 PM



#14

Allyl chloride

Concen: 48.707 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

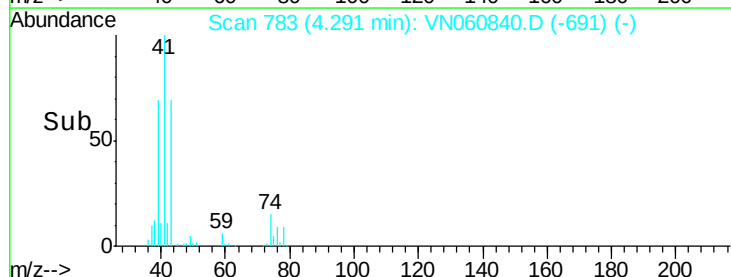
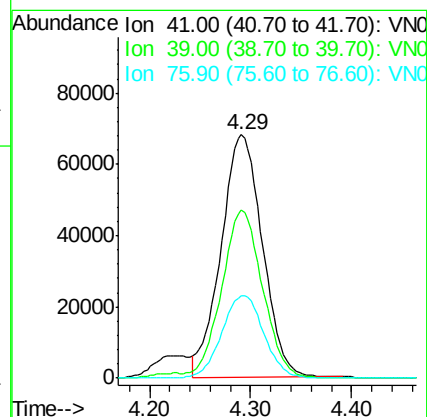
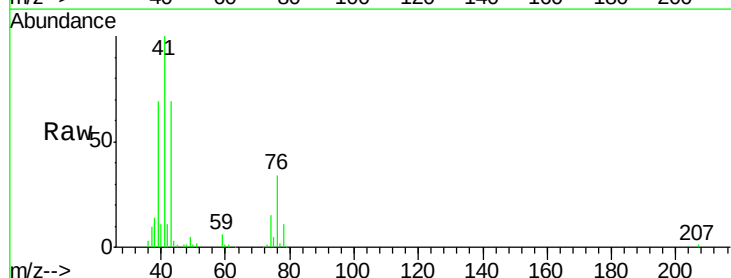
Tgt Ion: 41 Resp: 194498

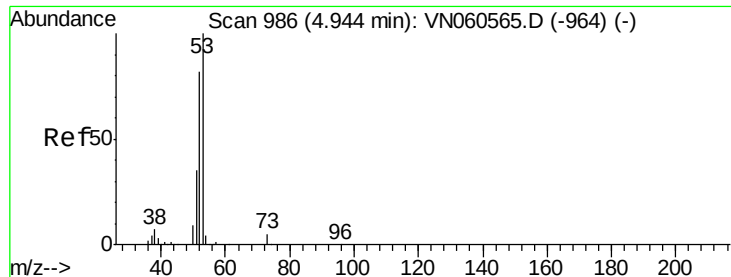
Ion Ratio Lower Upper

41 100

39 68.2 57.8 86.8

76 34.4 28.6 43.0





#15

Acrylonitrile

Concen: 245.687 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

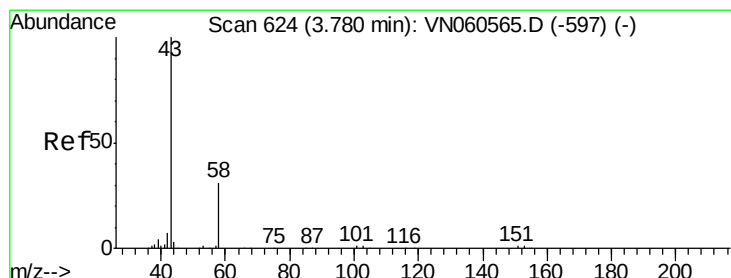
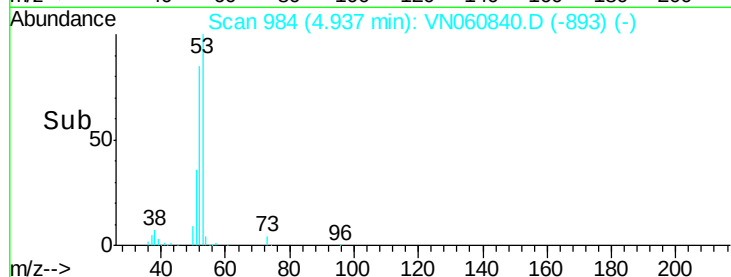
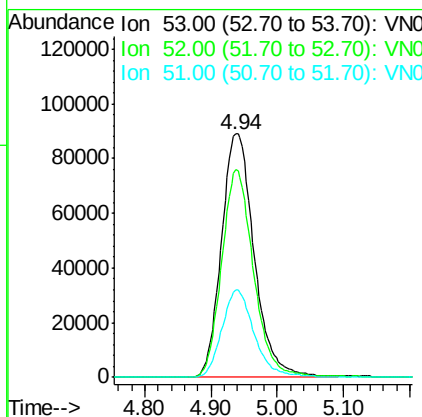
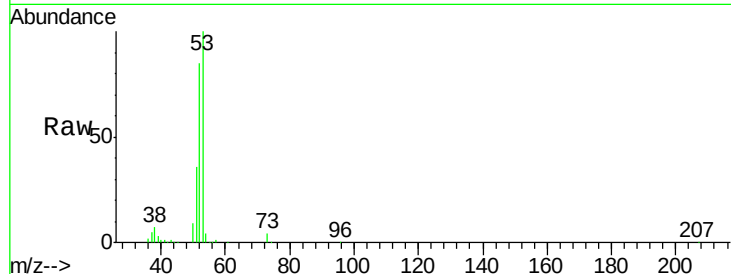
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	305876
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.4
51	35.6	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 393.374 ug/l

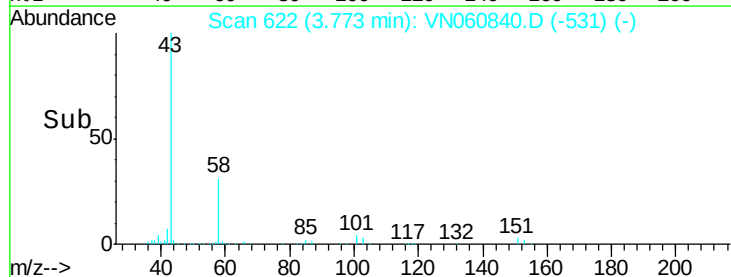
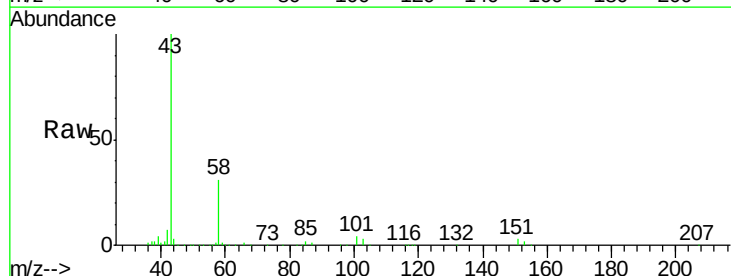
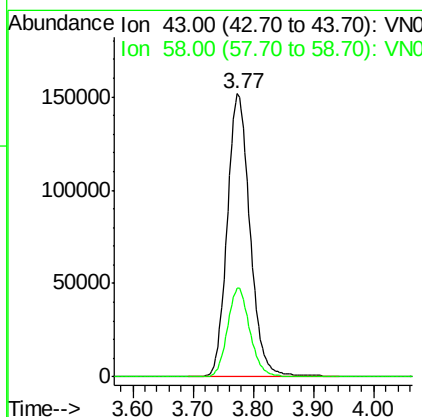
RT: 3.77 min Scan# 622

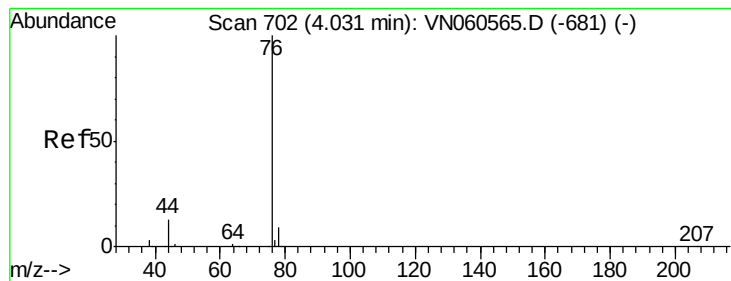
Delta R.T. -0.01 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion:	43	Resp:	401133
Ion Ratio	Lower	Upper	
43	100		
58	31.4	25.1	37.7





#17

Carbon Disulfide

Concen: 43.495 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 300342

Ion Ratio Lower Upper

76 100

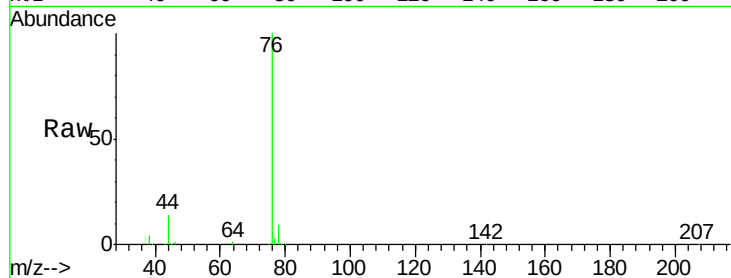
78 9.1 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN060565.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060565.D (-681) (-)

4.03

120000

100000

80000

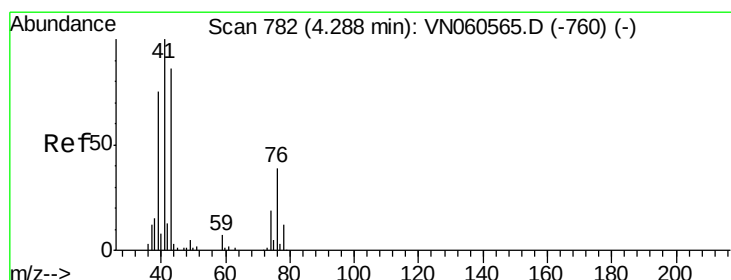
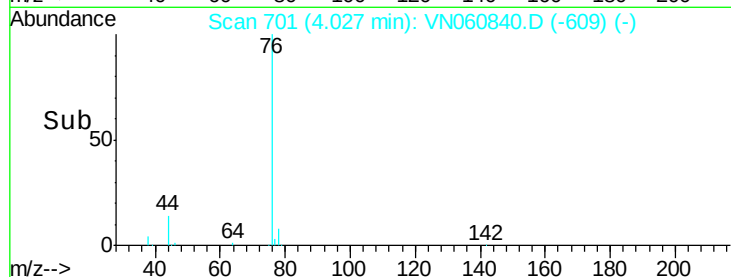
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 52.172 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060840.D

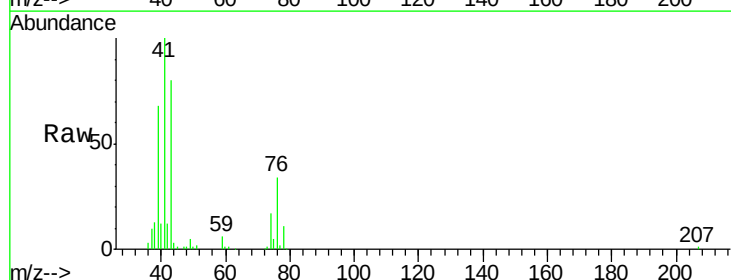
Acq: 6 Apr 2020 10:24

Tgt Ion: 43 Resp: 149746

Ion Ratio Lower Upper

43 100

74 21.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-760) (-)

Ion 74.00 (73.70 to 74.70): VN060565.D (-760) (-)

4.28

60000

50000

40000

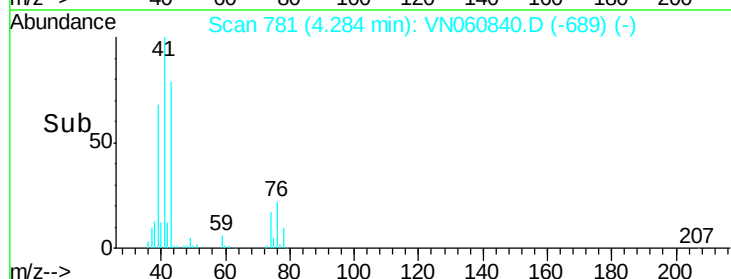
30000

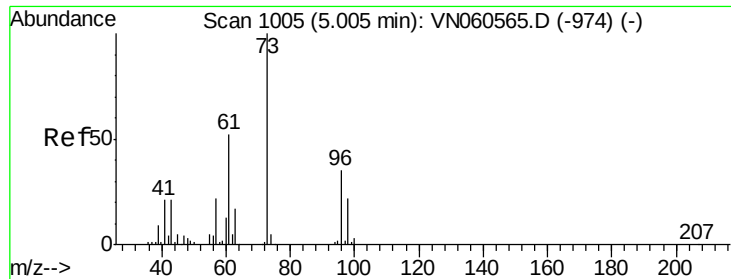
20000

10000

0

Time-->





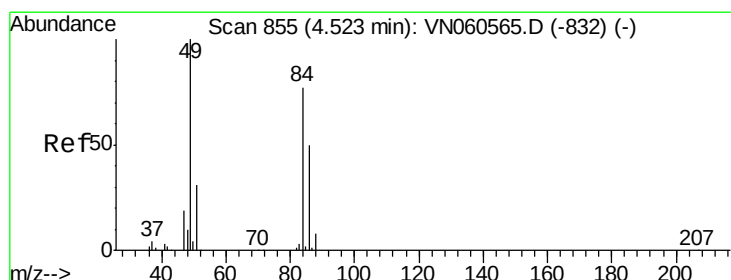
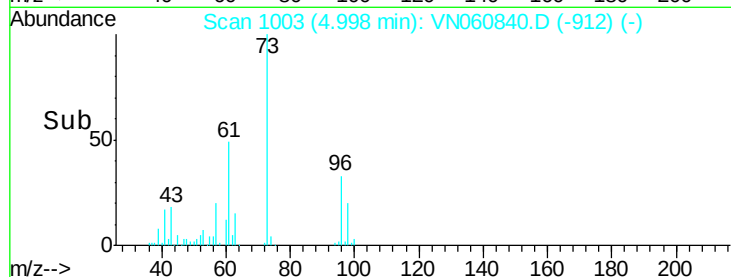
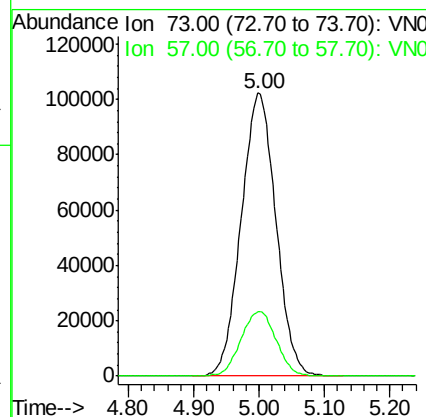
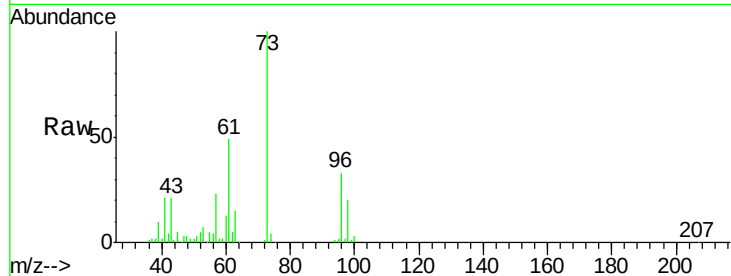
#19
Methyl tert-butyl Ether
Concen: 48.431 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 378060
Ion Ratio Lower Upper
73 100
57 22.6 17.5 26.3

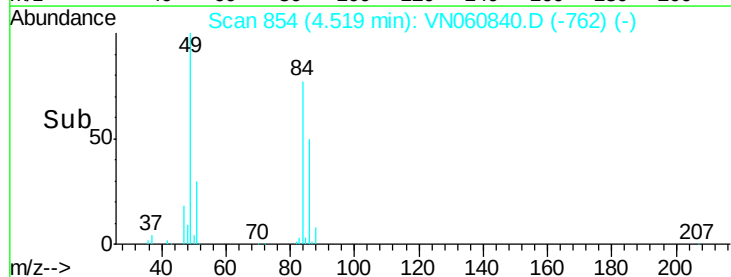
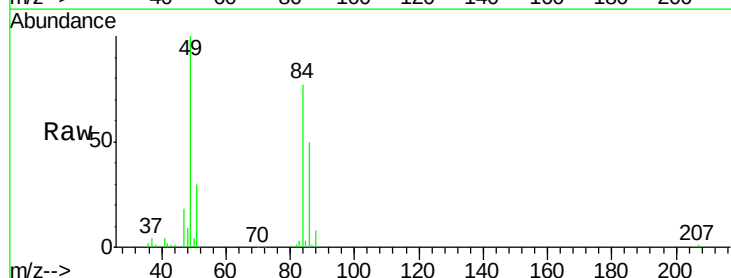
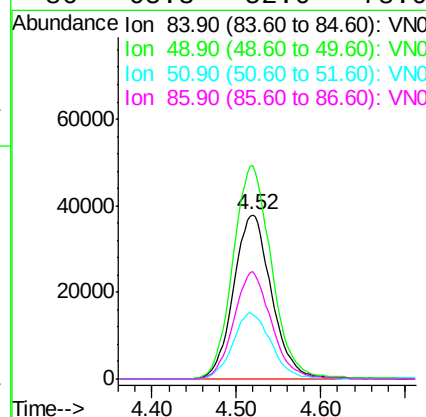
Manual Integrations
APPROVED

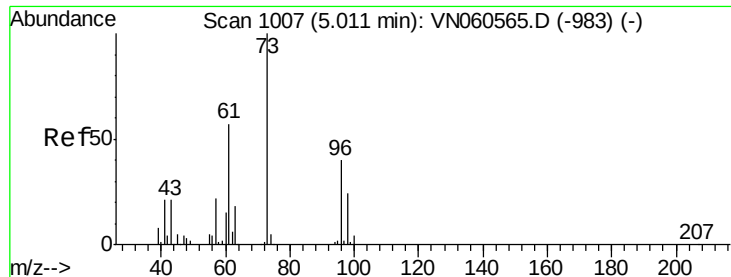
MMDadoda
4/7/2020 3:21:37 PM



#20
Methylene Chloride
Concen: 47.414 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion: 84 Resp: 118936
Ion Ratio Lower Upper
84 100
49 130.3 103.3 154.9
51 39.4 31.6 47.4
86 65.3 52.0 78.0





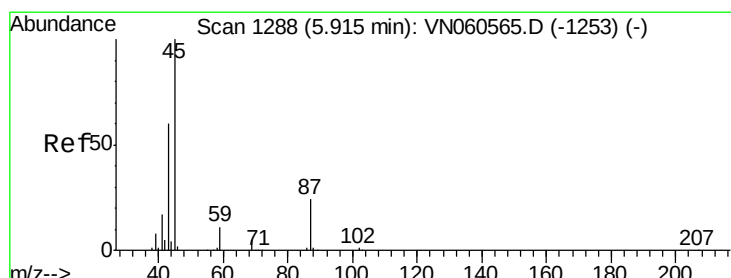
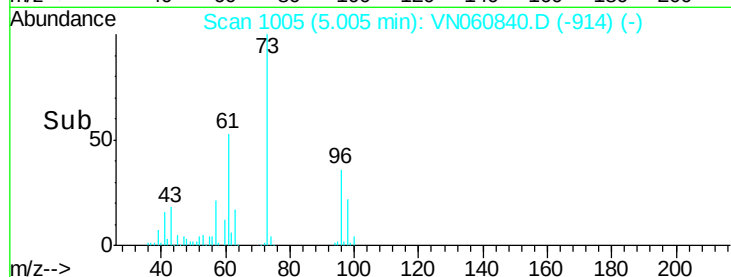
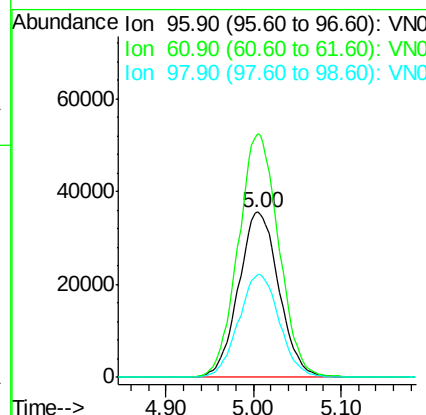
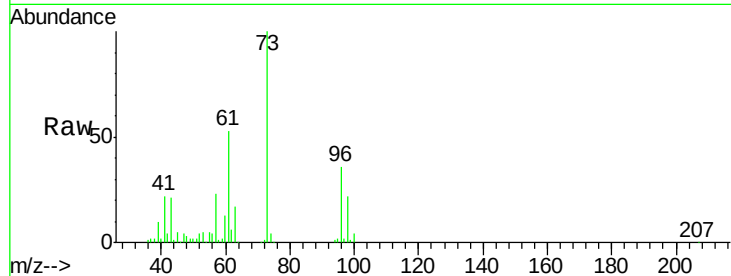
#21
trans-1,2-Dichloroethene
Concen: 47.186 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	114.4	171.6
98	62.3	48.4	72.6

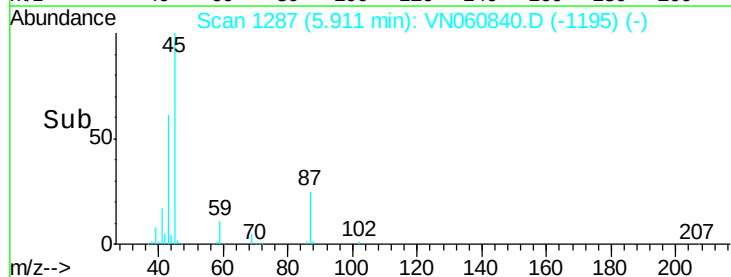
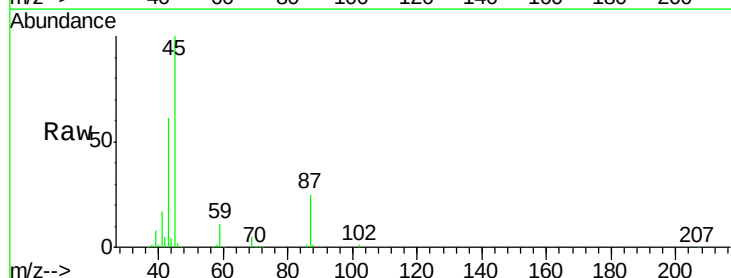
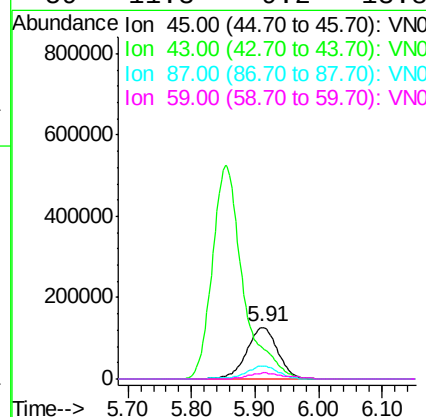
Manual Integrations
APPROVED

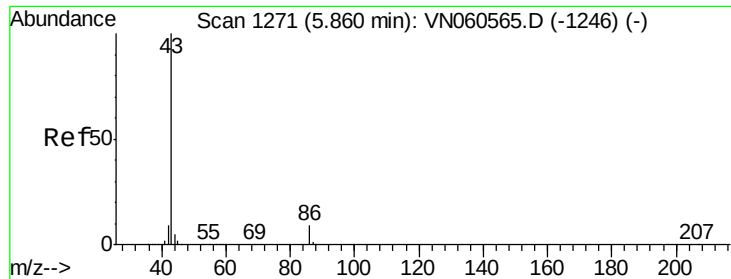
MMDadoda
4/7/2020 3:21:37 PM



#22
Diisopropyl ether
Concen: 51.026 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	49.8	74.8
87	25.1	20.1	30.1
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 255.172 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1756475

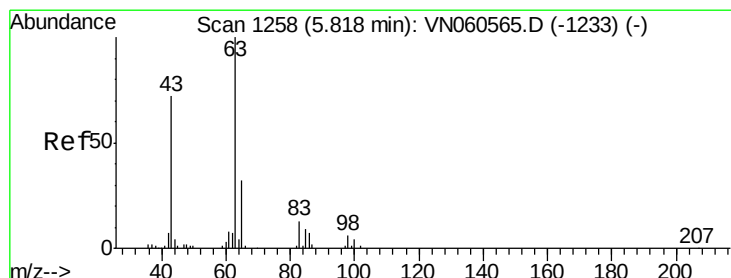
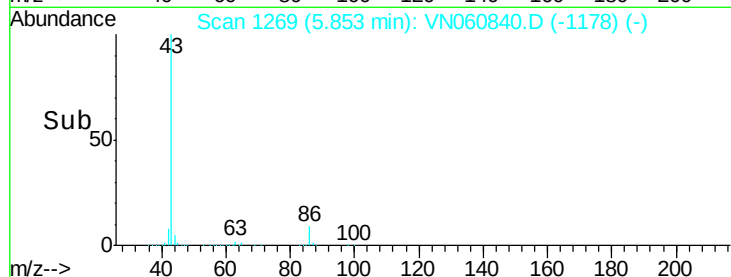
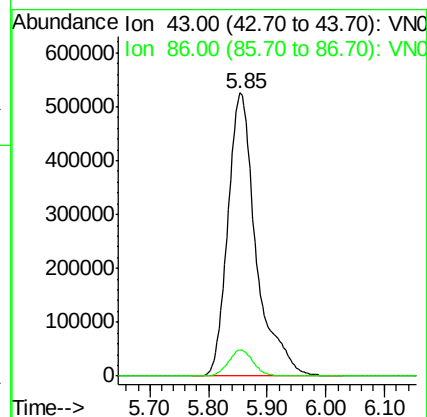
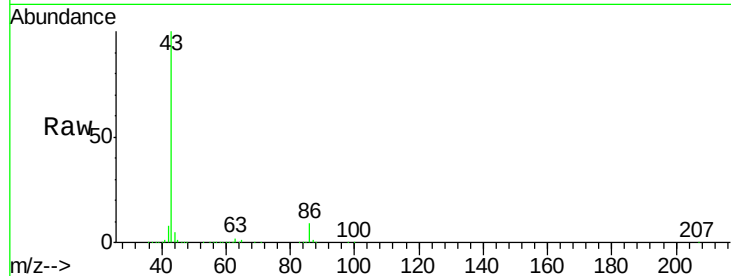
Ion Ratio Lower Upper

43 100

86 9.2 7.6 11.4

Manual Integrations
APPROVED

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4/7/2020 3:21:37 PM



#24

1,1-Dichloroethane

Concen: 49.716 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

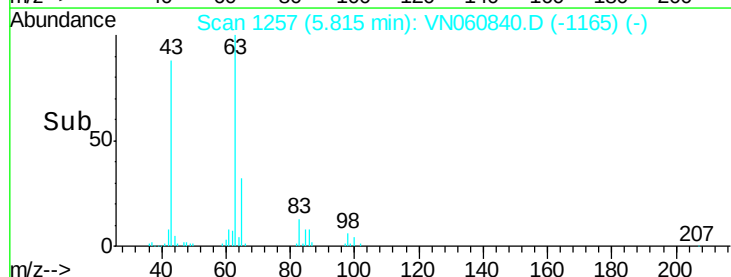
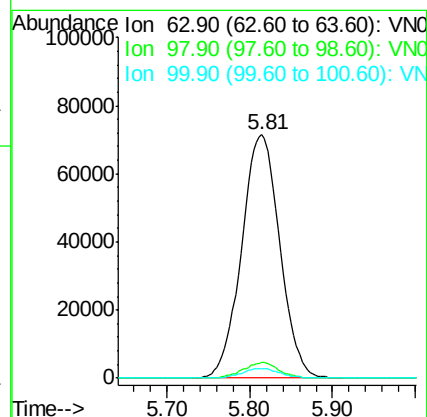
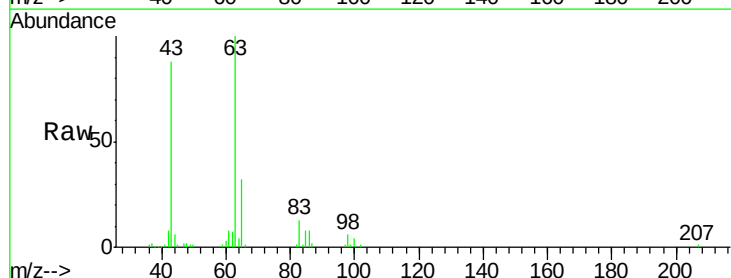
Tgt Ion: 63 Resp: 228650

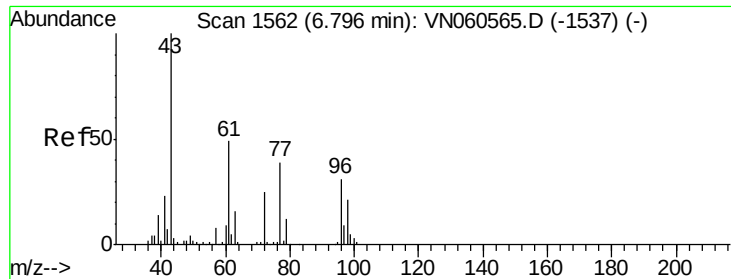
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 292.200 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 482157

Ion Ratio Lower Upper

43 100

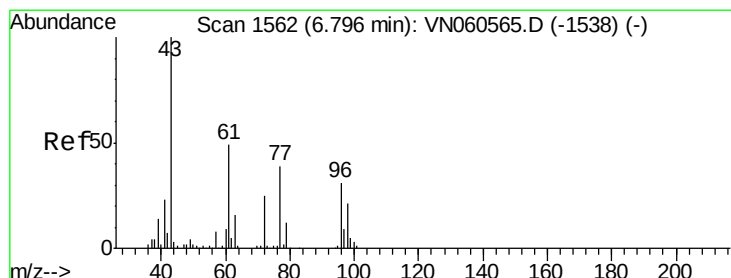
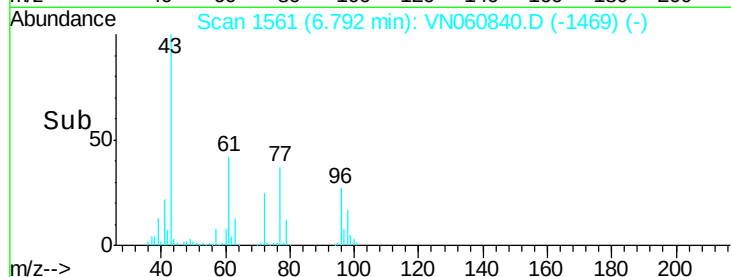
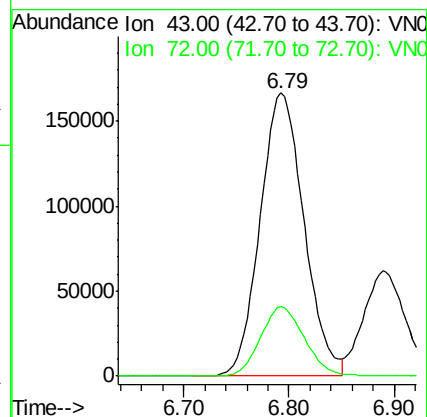
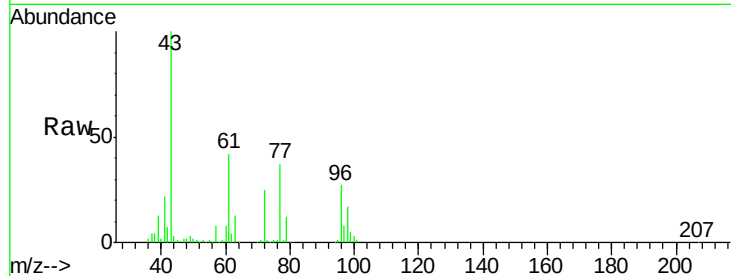
72 24.6 20.4 30.6

Manual Integrations

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MMDadoda

4/7/2020 3:21:37 PM



#26

2,2-Dichloropropane

Concen: 54.357 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060840.D

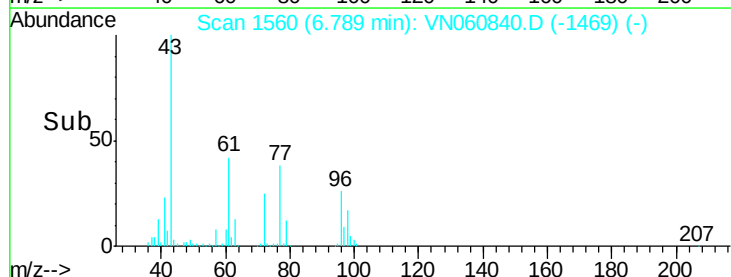
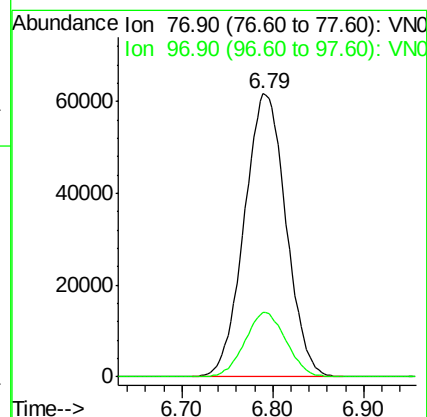
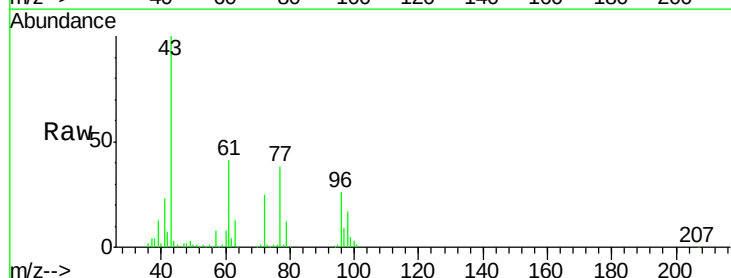
Acq: 6 Apr 2020 10:24

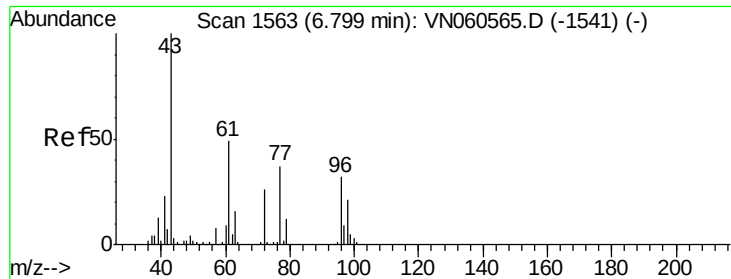
Tgt Ion: 77 Resp: 196694

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 48.268 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

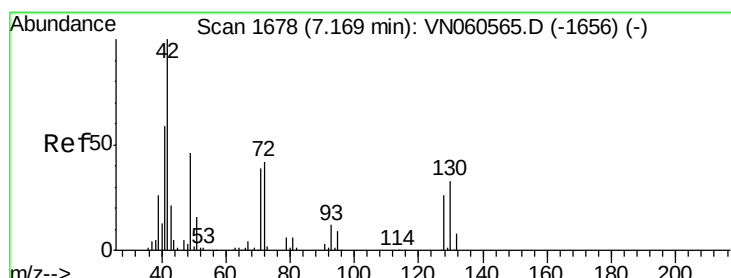
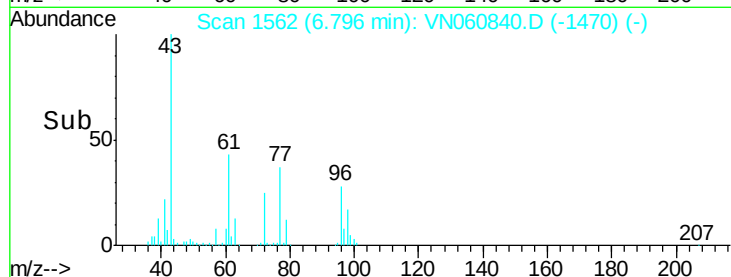
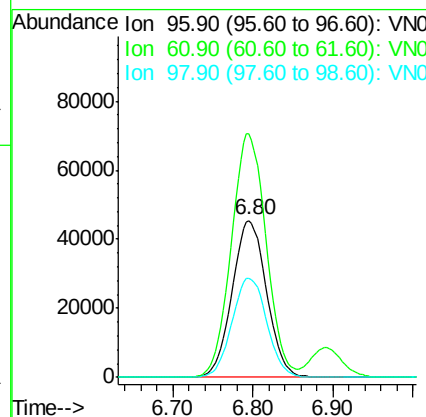
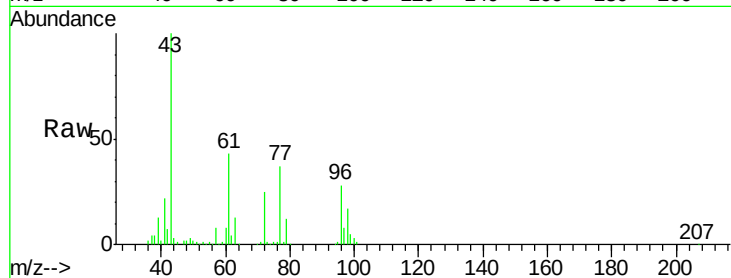
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	132729
Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	305.6
98	64.0	0.0	127.6

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#28

Bromochloromethane

Concen: 50.541 ug/l

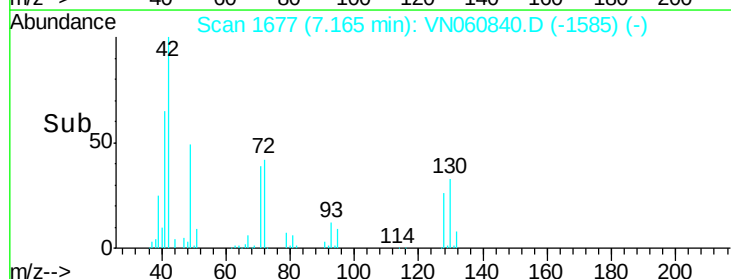
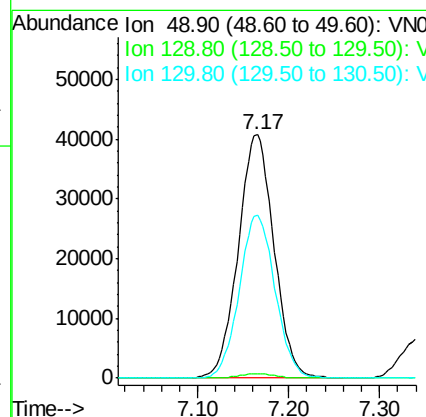
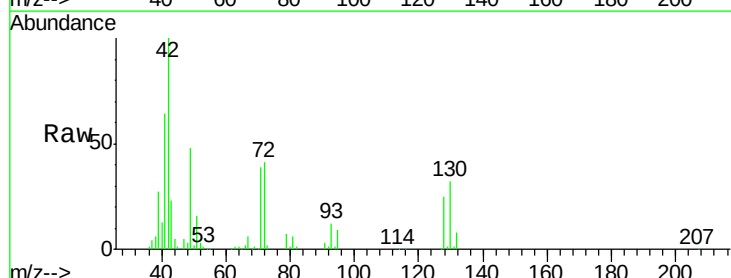
RT: 7.17 min Scan# 1677

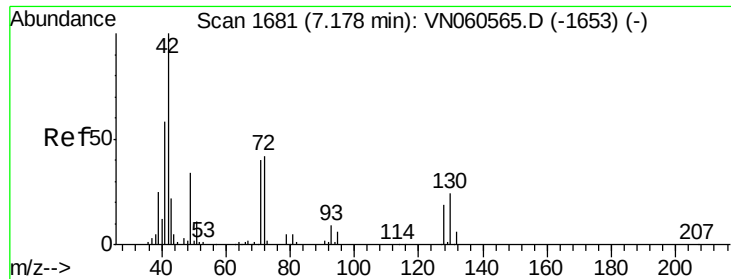
Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion:	49	Resp:	111213
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	66.9	55.0	82.4





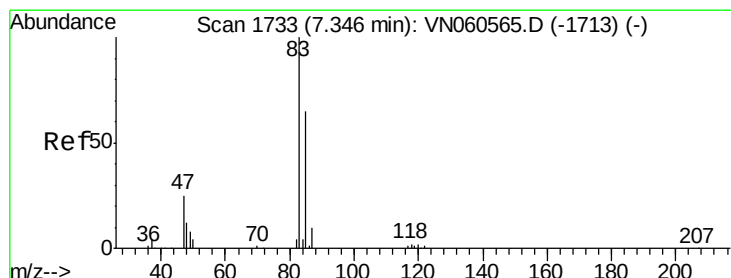
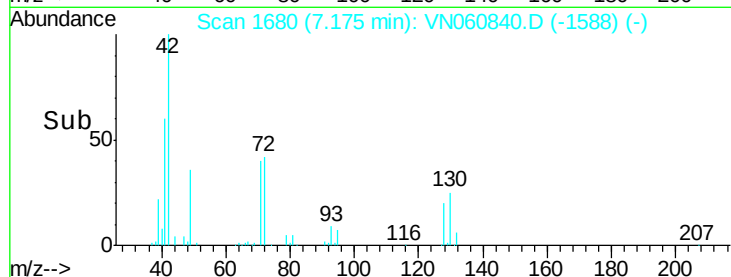
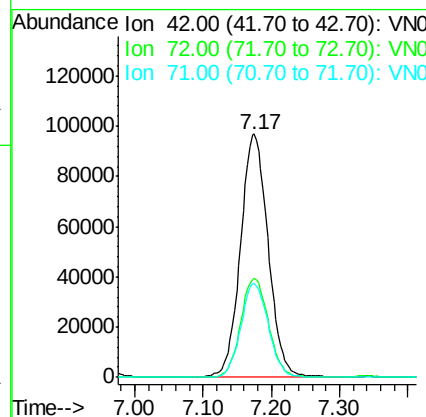
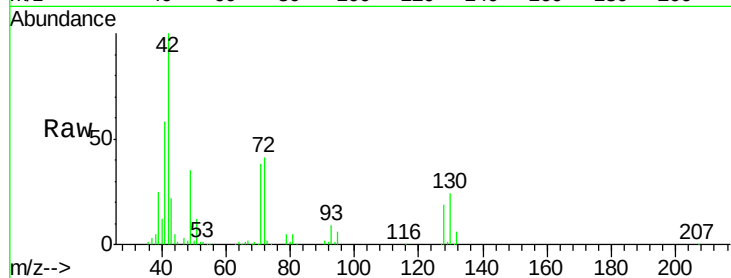
#29
Tetrahydrofuran
Concen: 234.288 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.2	49.8
71	38.2	31.1	46.7

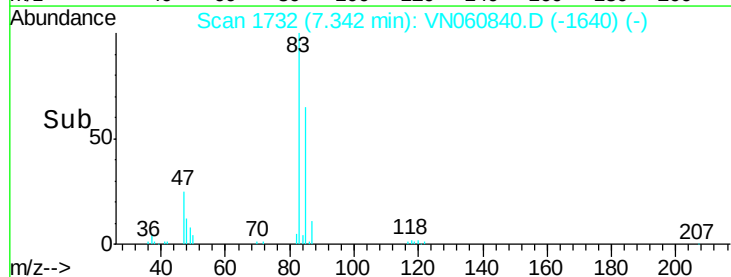
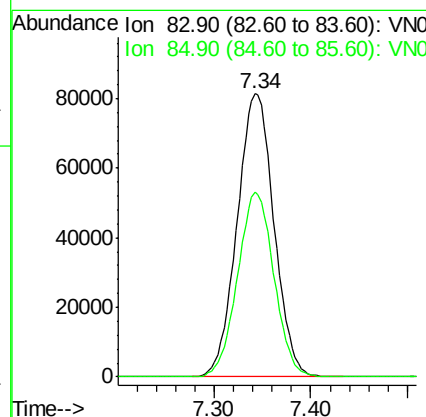
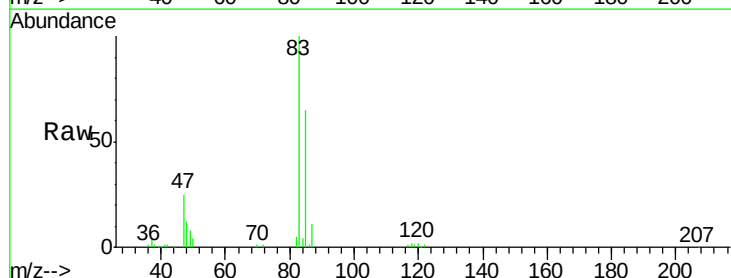
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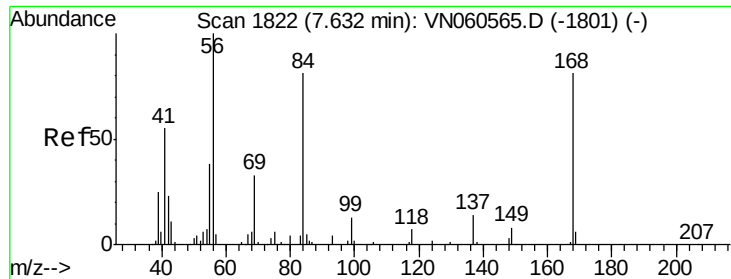
MMDadoda
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#30
Chloroform
Concen: 48.844 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8





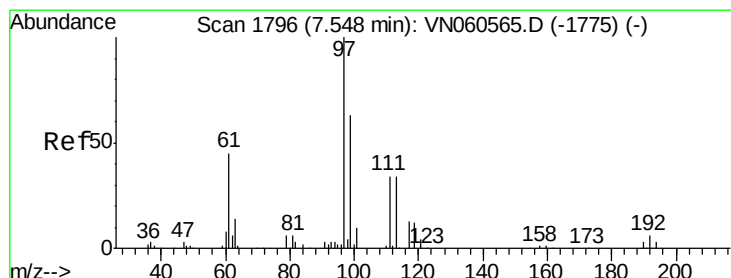
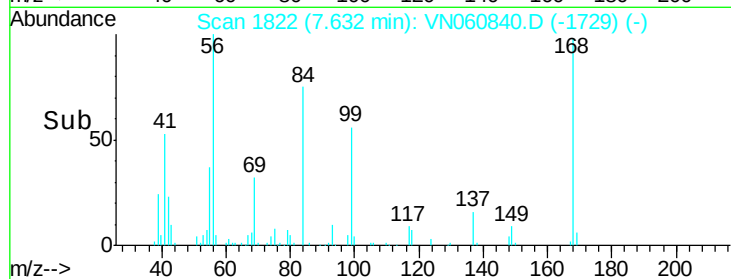
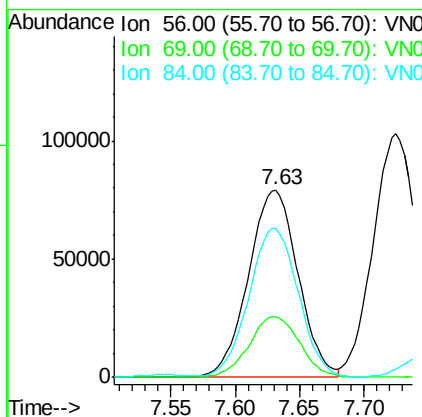
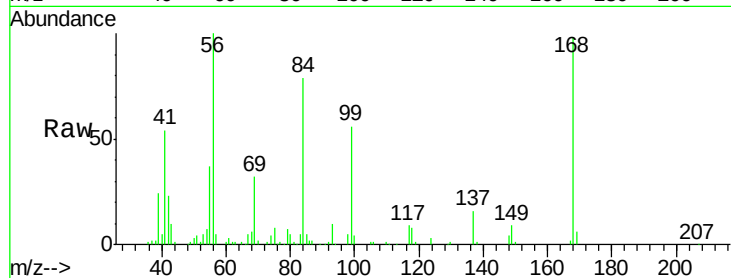
#31
Cyclohexane
Concen: 45.732 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.6	40.0
84	78.3	64.3	96.5

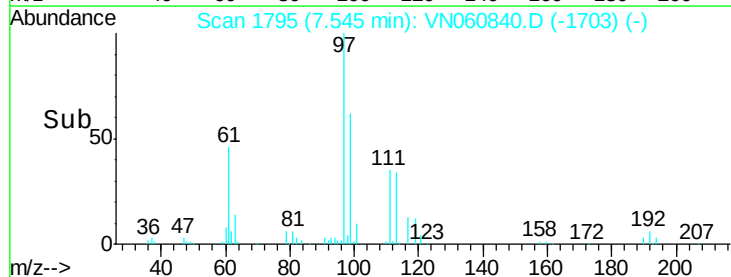
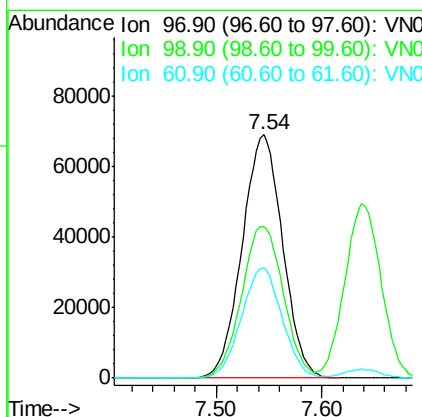
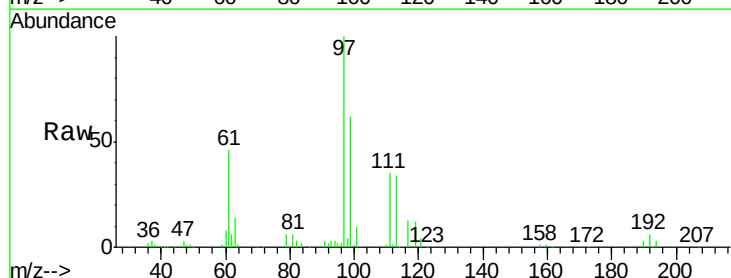
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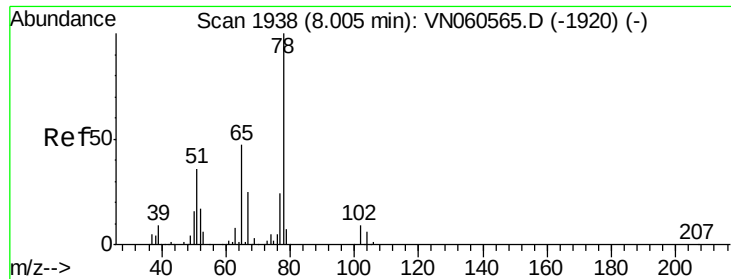
MMDadoda
4/7/2020 3:21:37 PM



#32
1,1,1-Trichloroethane
Concen: 48.629 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	75.8
61	45.6	36.2	54.4





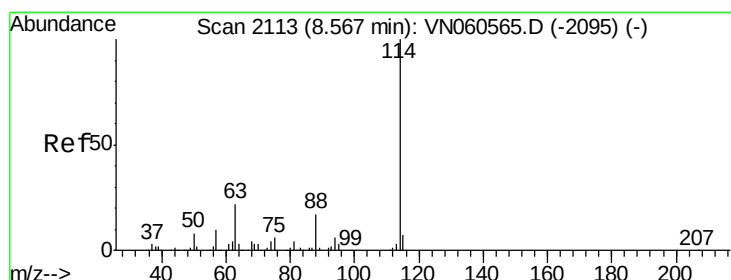
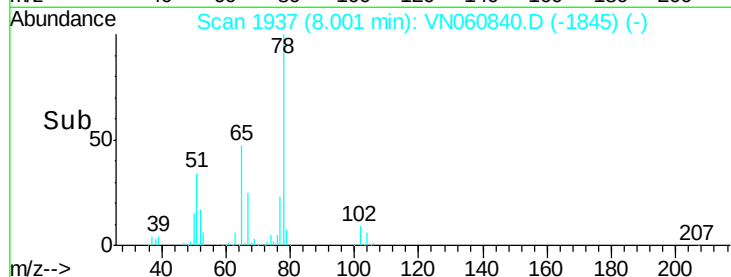
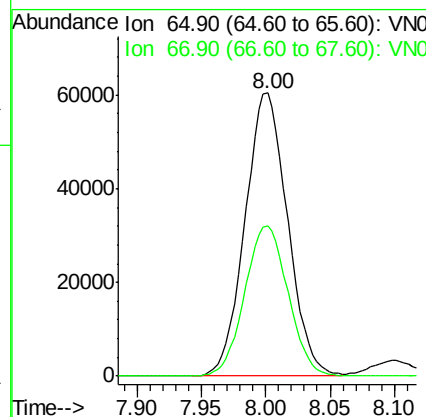
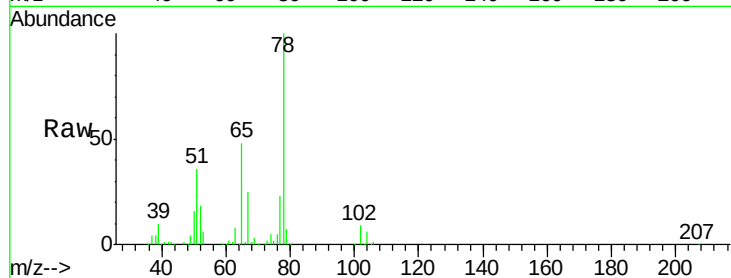
#33
 1,2-Dichloroethane-d4
 Concen: 48.354 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139200		
67	54.0	0.0	107.6	

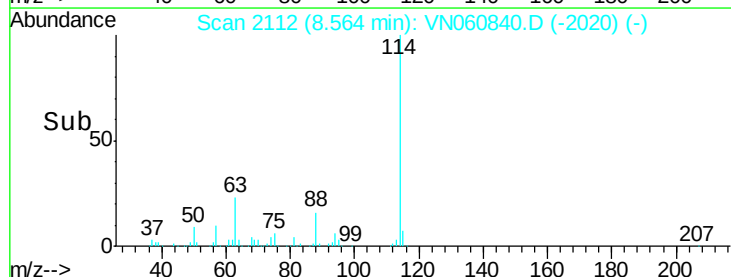
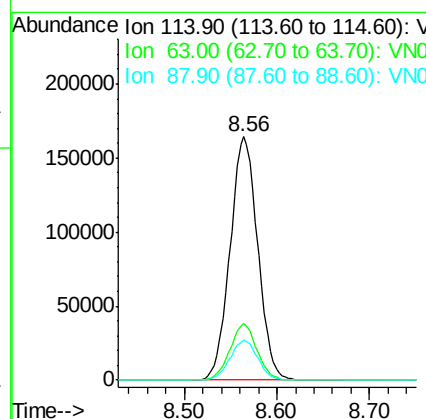
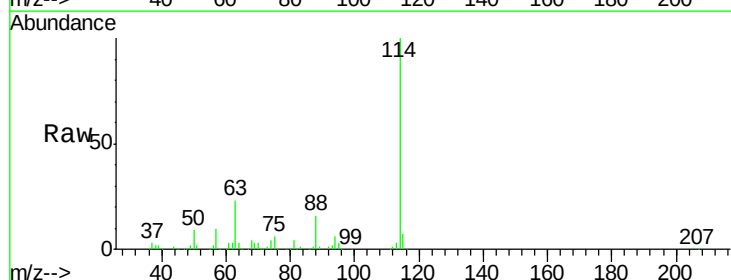
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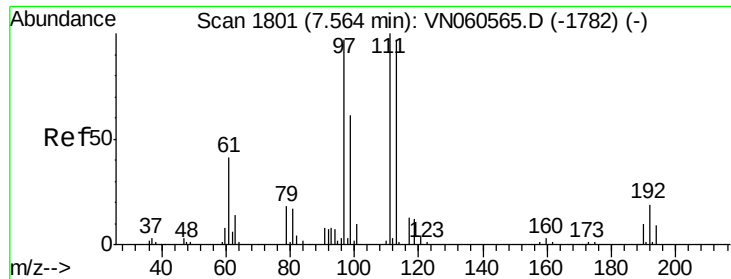
MMDadoda
 4/7/2020 3:21:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339569		
63	23.1	0.0	43.8	
88	16.3	0.0	33.0	





#35

Dibromofluoromethane

Concen: 50.700 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

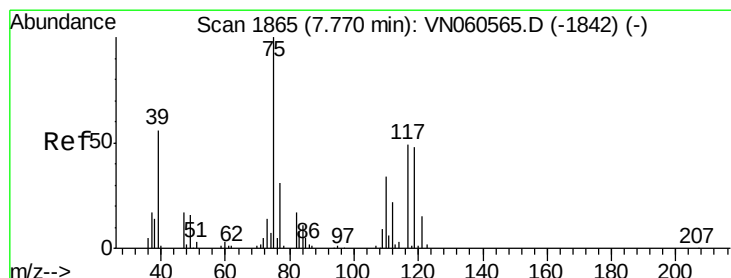
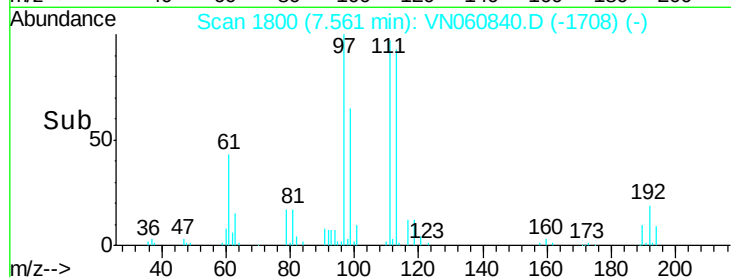
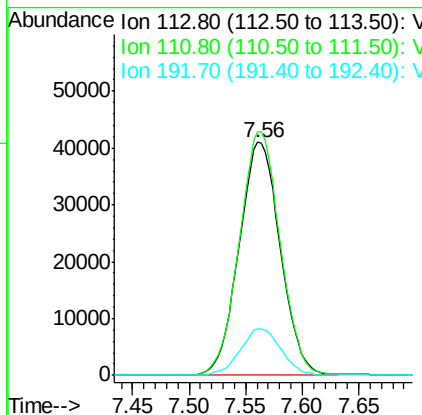
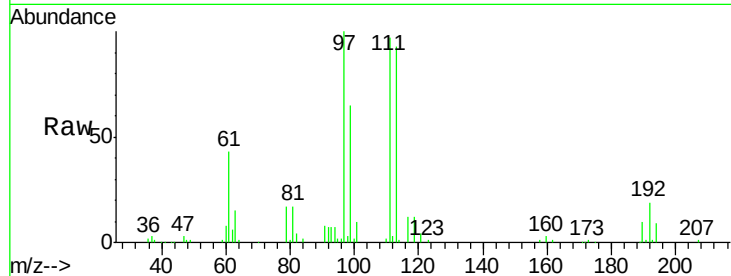
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	104100
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	19.8	15.8	23.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.545 ug/l

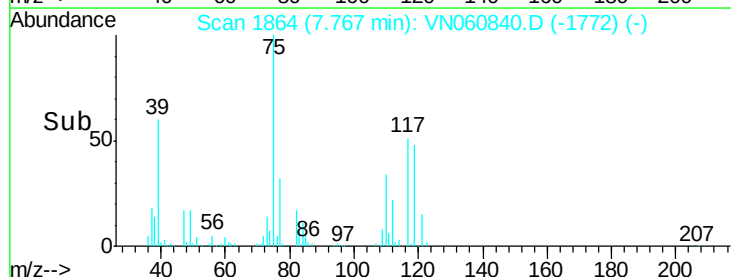
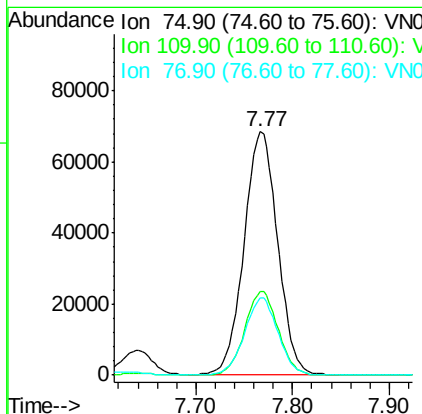
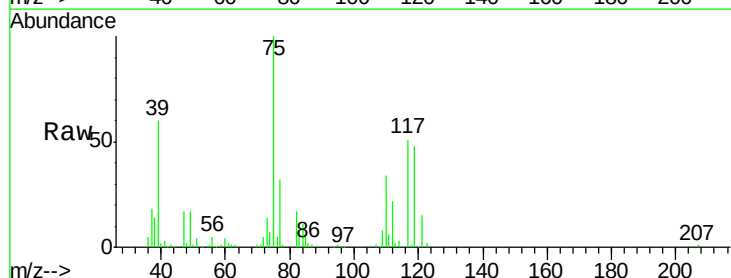
RT: 7.77 min Scan# 1864

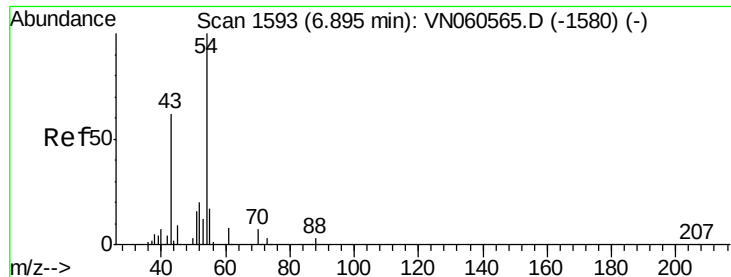
Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion:	75	Resp:	166197
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	31.5	24.6	36.8





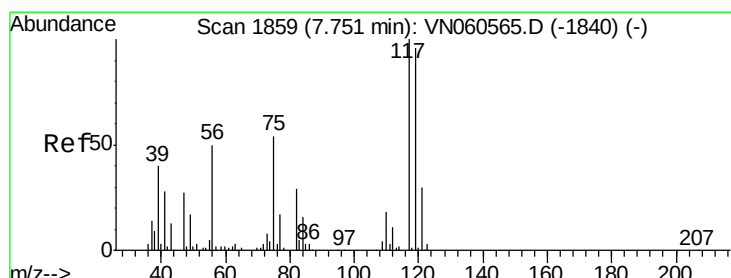
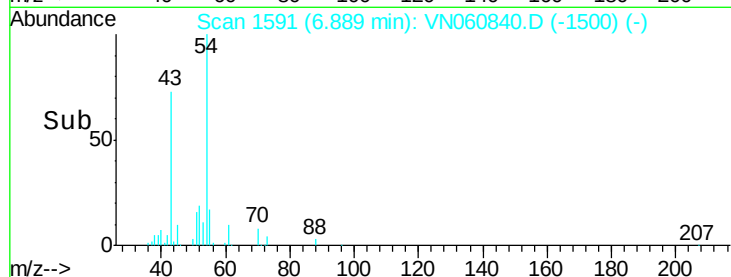
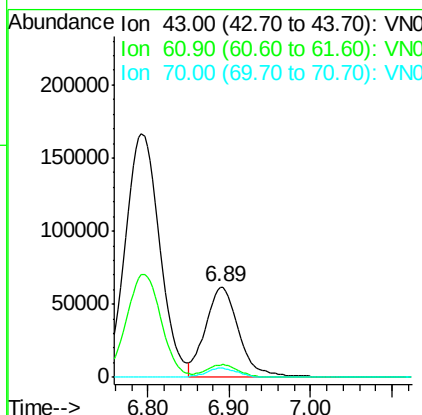
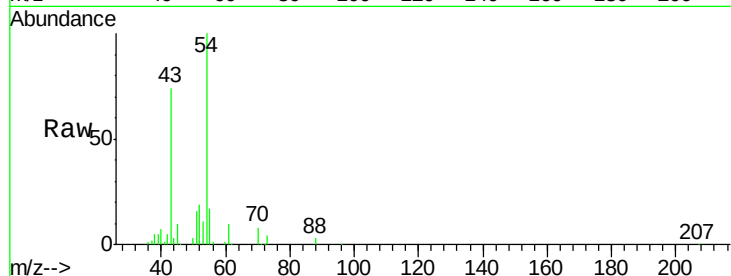
#37
Ethyl Acetate
Concen: 49.694 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	9.8	7.9	11.9

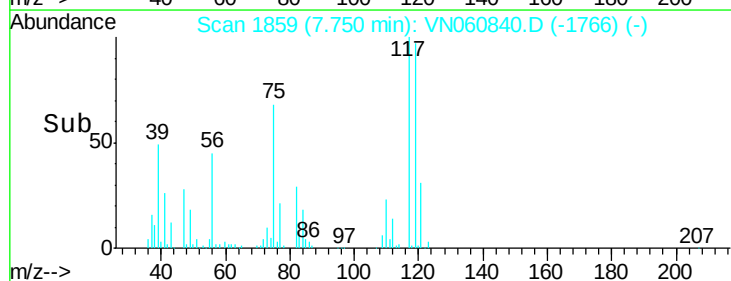
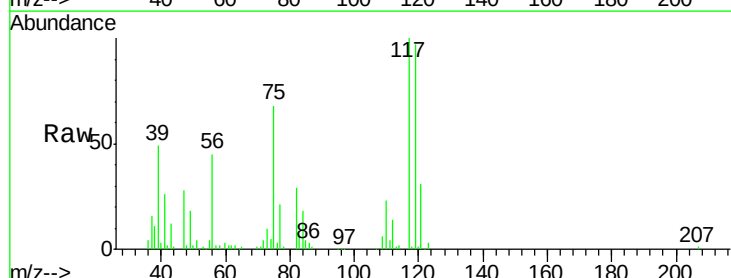
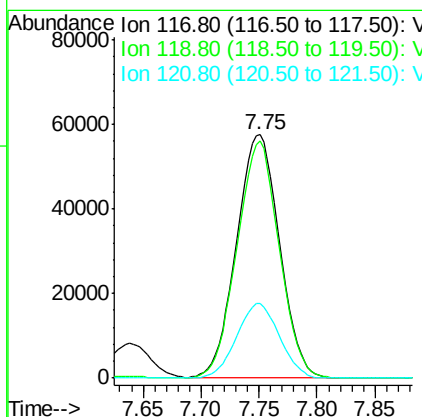
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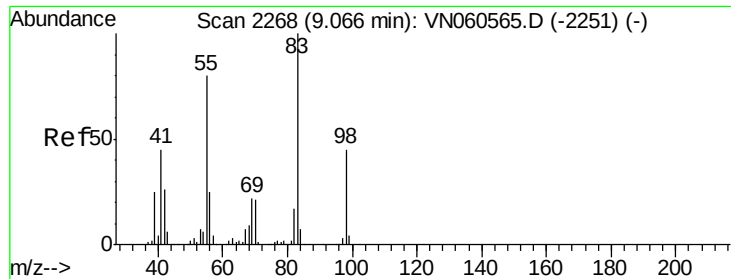
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#38
Carbon Tetrachloride
Concen: 50.540 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.2	114.2
121	30.6	23.7	35.5





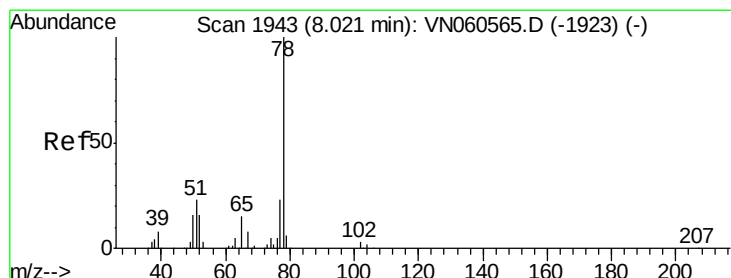
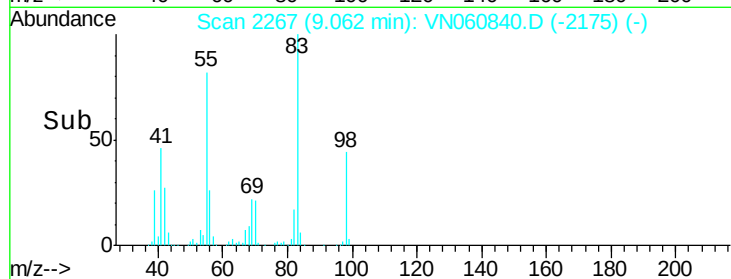
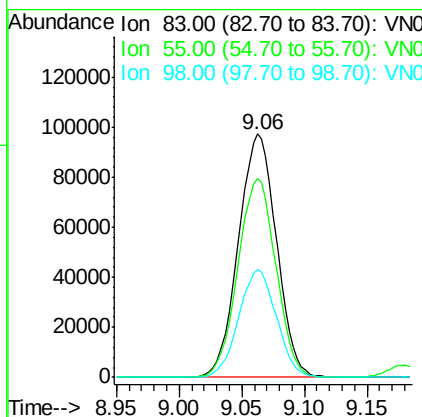
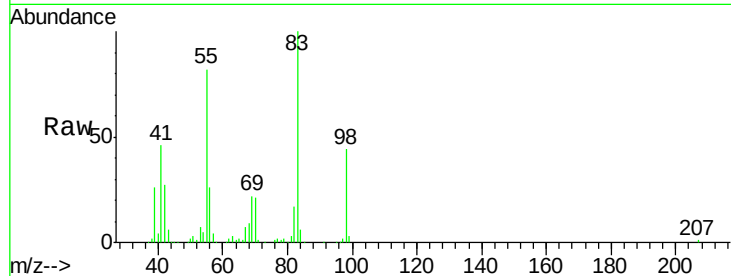
#39
Methylvlcyclohexane
Concen: 52.499 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.6	95.4
98	44.3	36.0	54.0

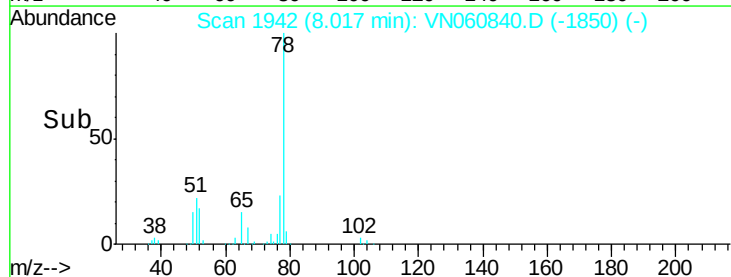
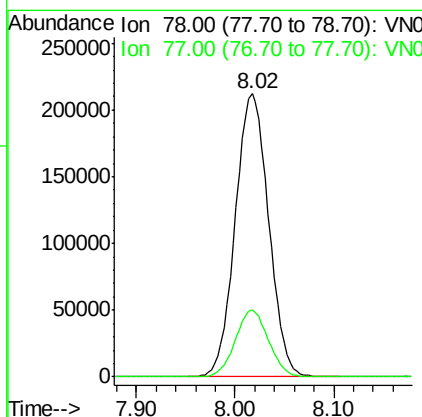
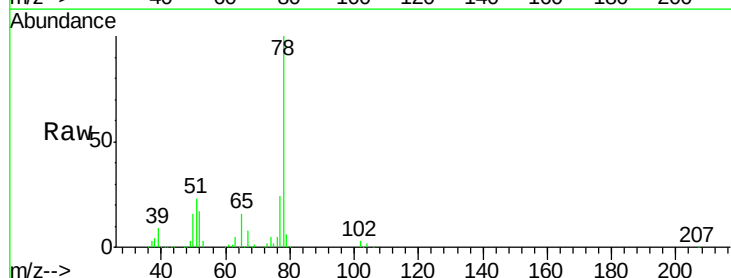
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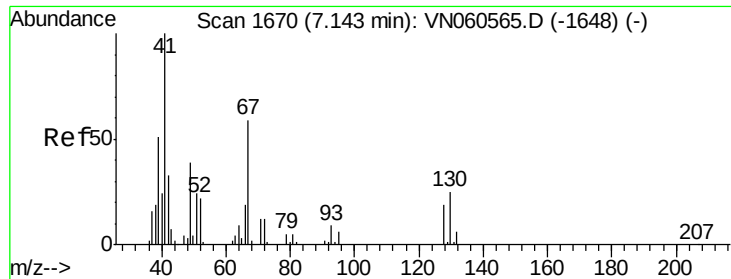
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#40
Benzene
Concen: 50.221 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





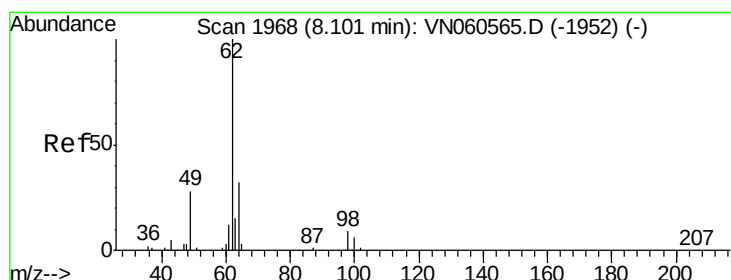
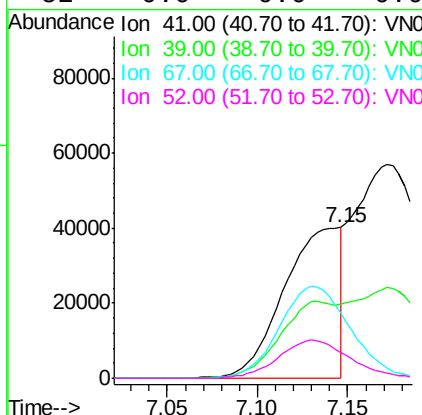
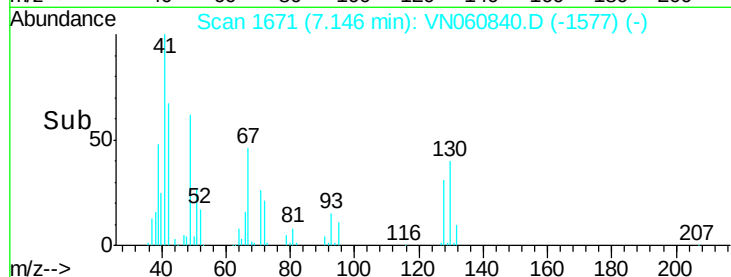
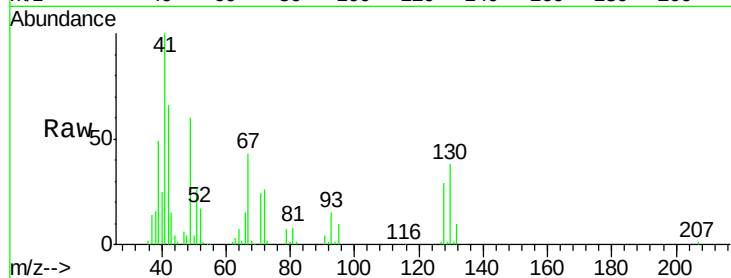
#41
Methacrylonitrile
Concen: 57.758 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp:	87575
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

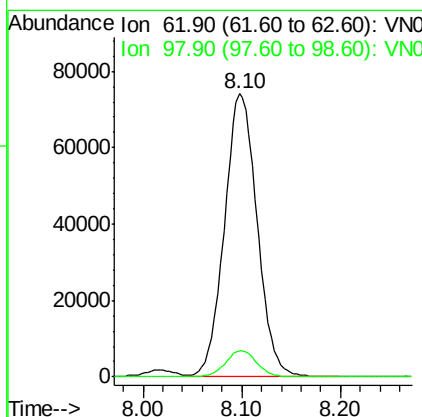
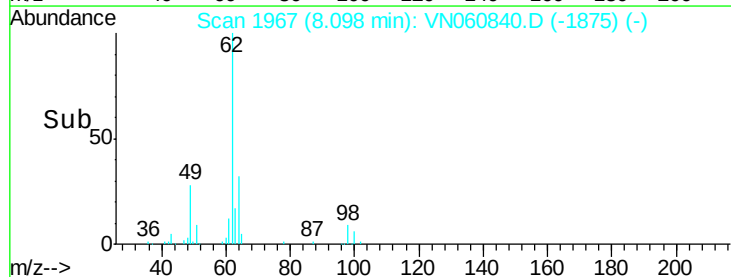
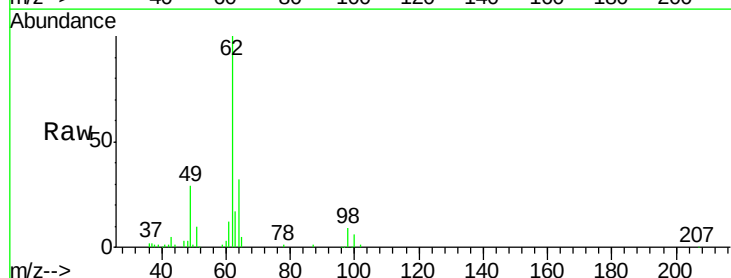
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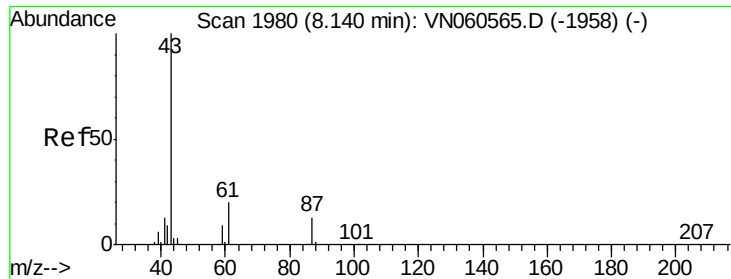
MMDadoda
4/7/2020 3:21:37 PM



#42
1,2-Dichloroethane
Concen: 50.686 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	62	Resp:	171936
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 50.808 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

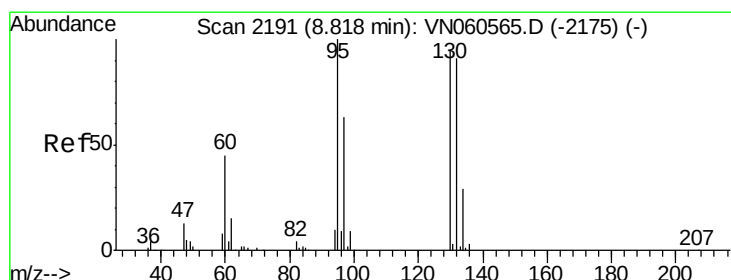
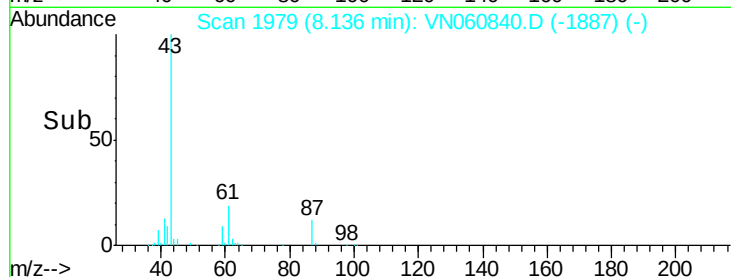
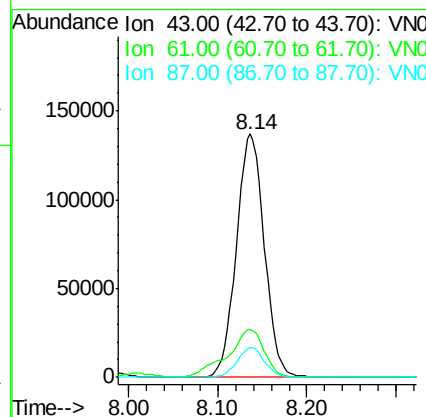
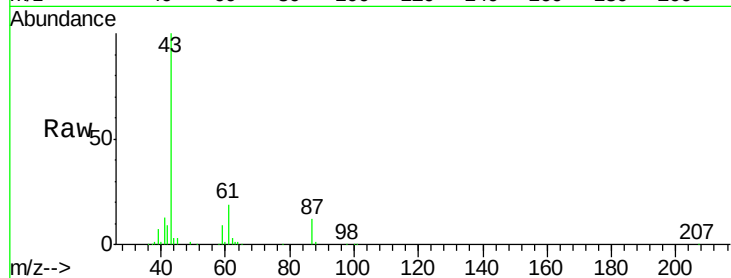
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	297700
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	12.0	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 50.833 ug/l

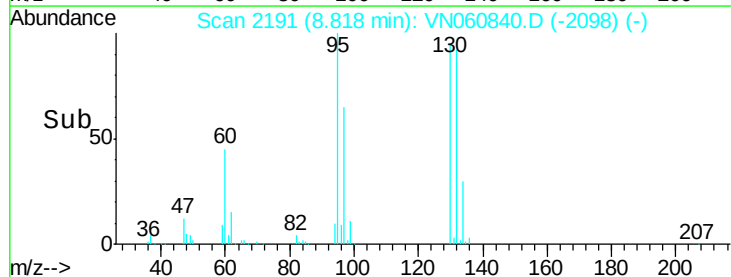
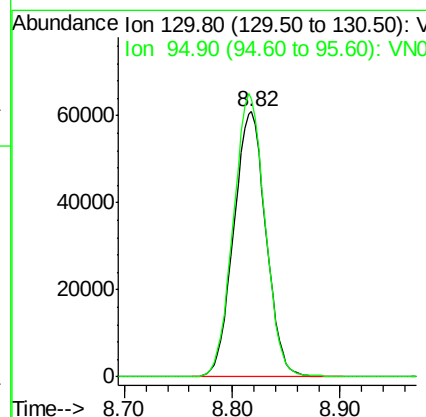
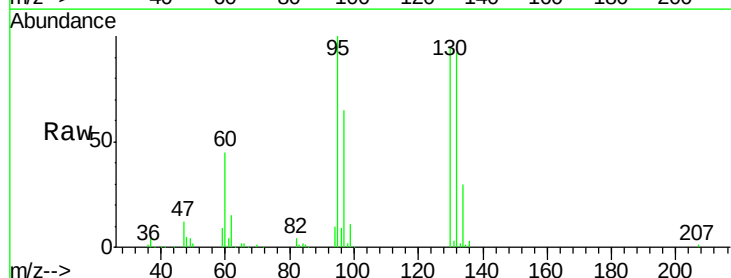
RT: 8.82 min Scan# 2191

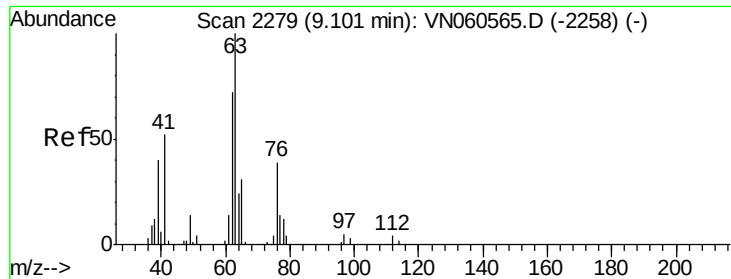
Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion:	130	Resp:	127196
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	211.2





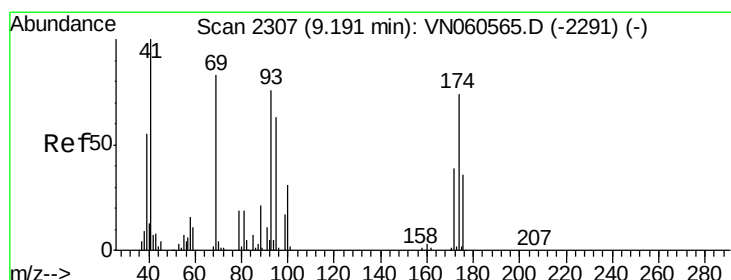
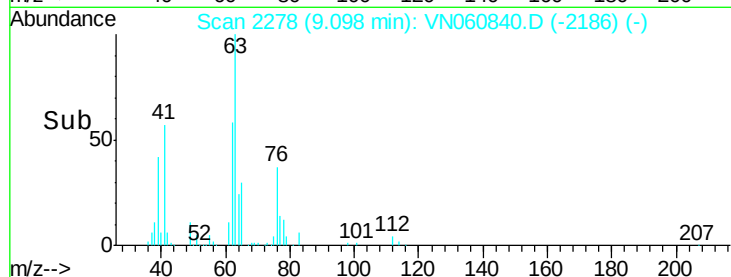
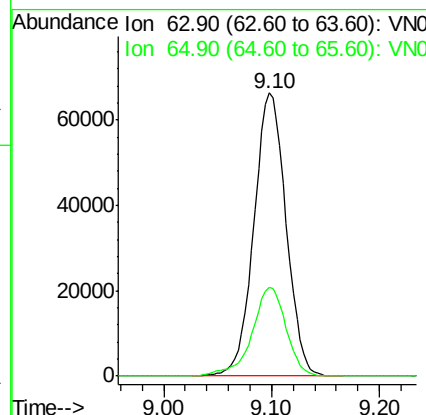
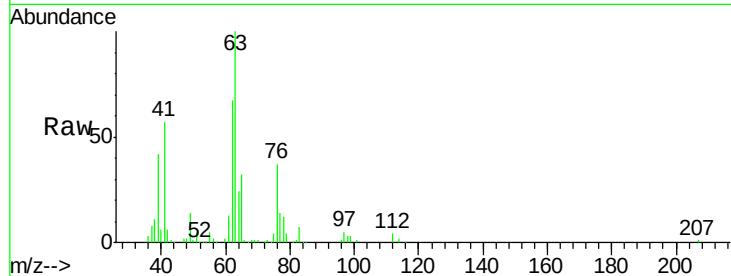
#45
 1,2-Dichloropropane
 Concen: 52.374 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.4	38.0

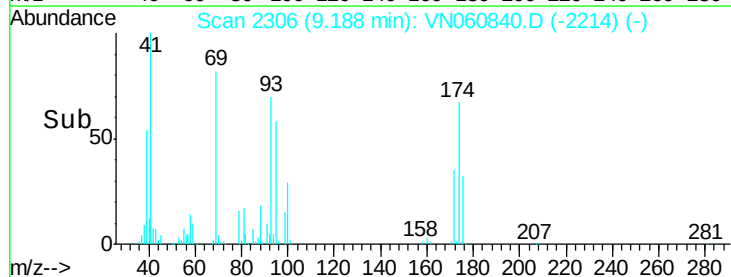
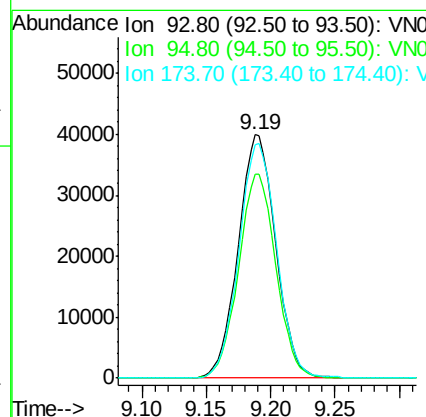
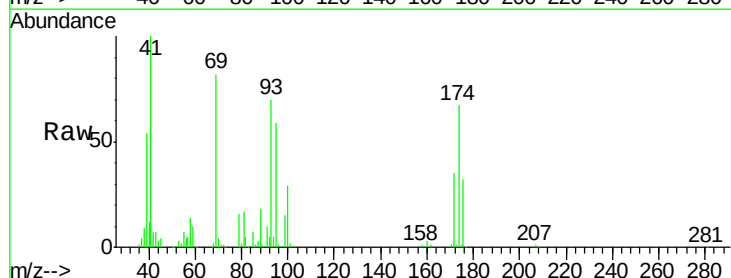
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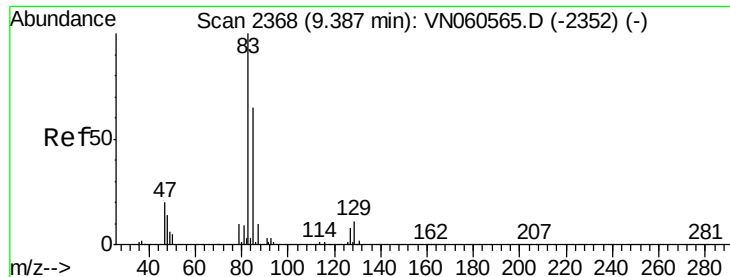
MMDadoda
 4/7/2020 3:21:37 PM



#46
 Dibromomethane
 Concen: 51.033 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.2	99.4
174	97.1	77.9	116.9





#47

Bromodichloromethane

Concen: 51.541 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

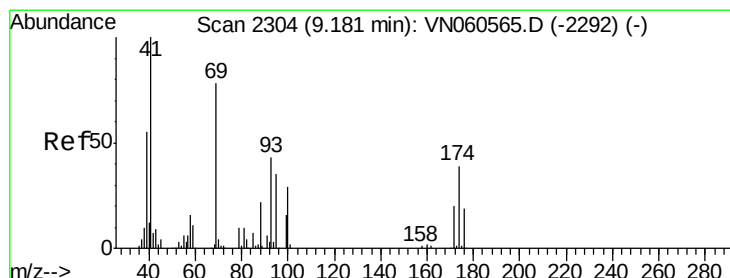
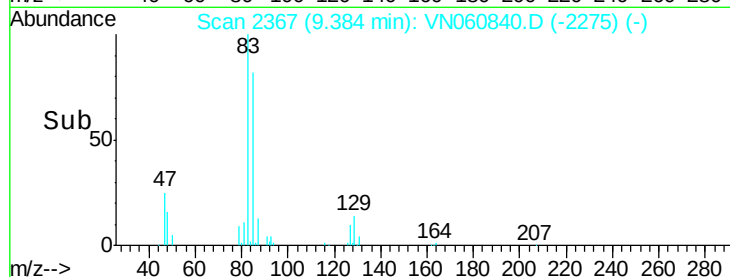
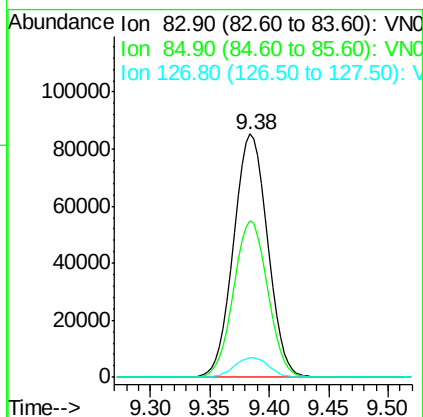
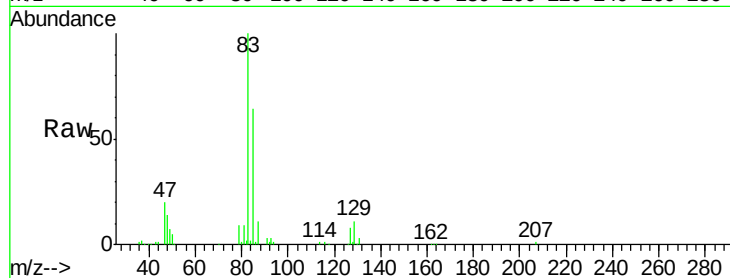
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	169587
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6
127	7.9	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.554 ug/l

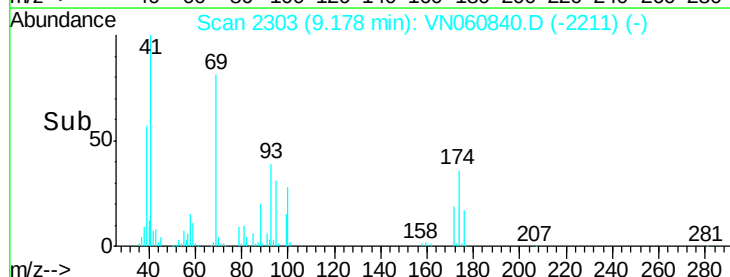
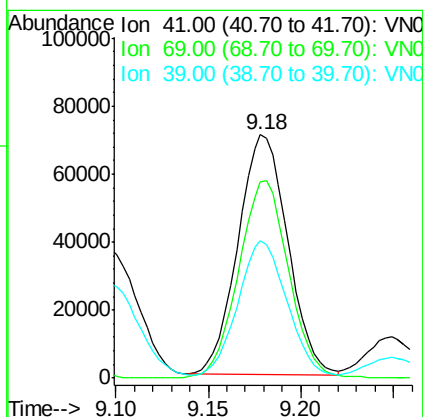
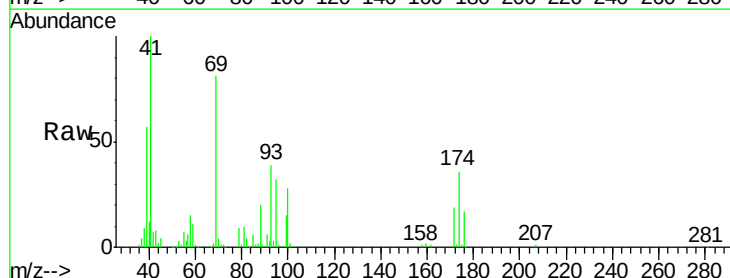
RT: 9.18 min Scan# 2303

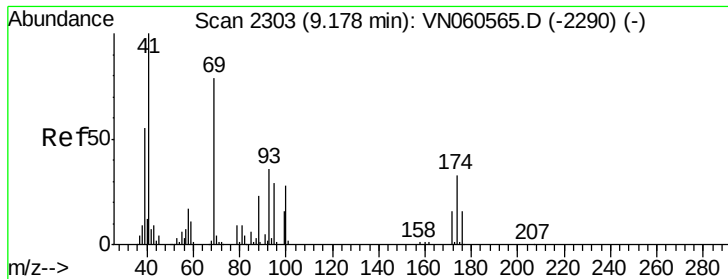
Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion:	41	Resp:	131881
Ion	Ratio	Lower	Upper
41	100		
69	82.7	65.4	98.0
39	54.6	44.0	66.0





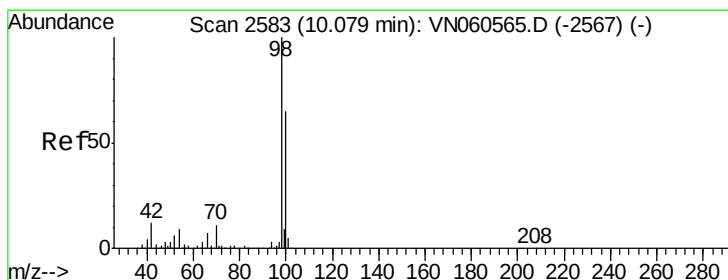
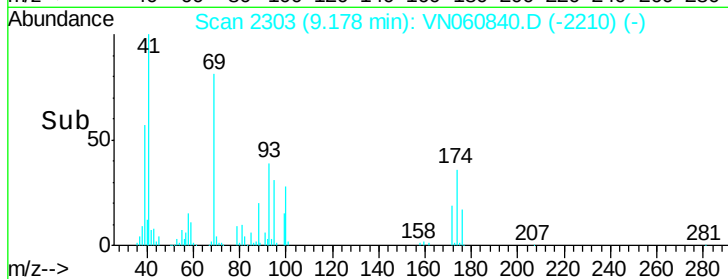
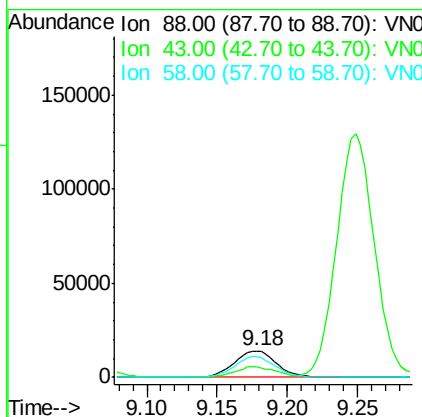
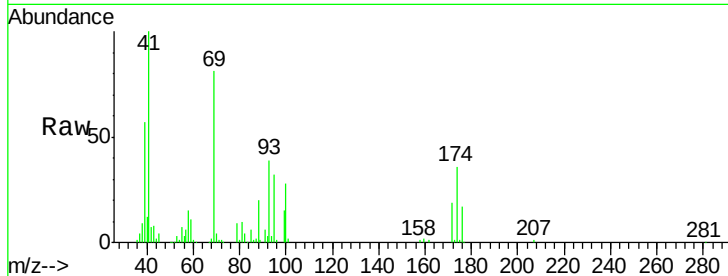
#49
1,4-Dioxane
Concen: 939.632 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.7	30.8	46.2
58	76.9	59.8	89.8

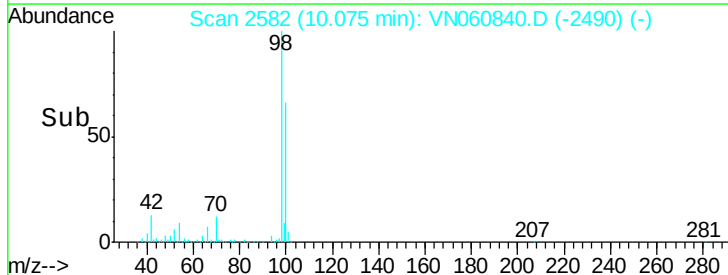
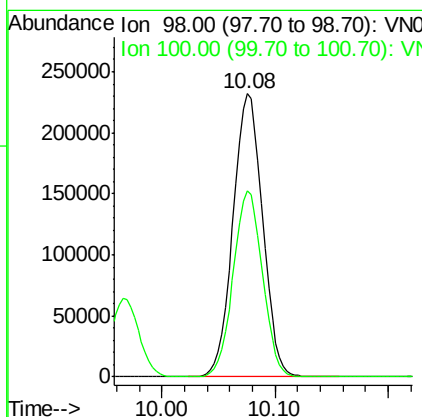
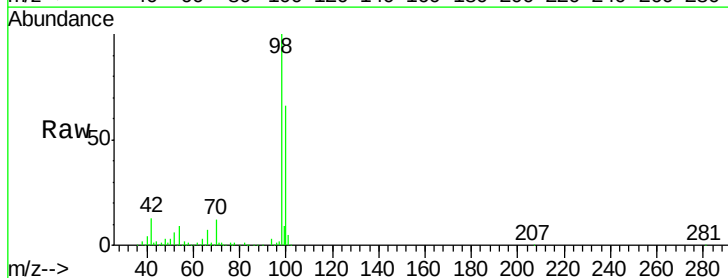
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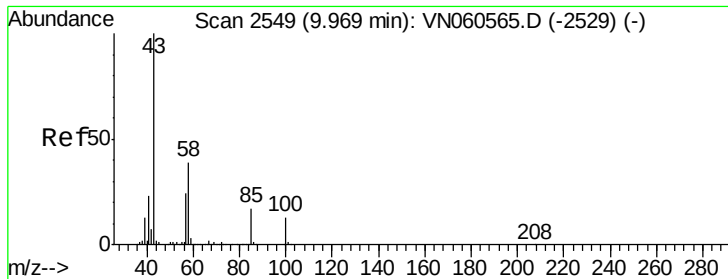
MMDadoda
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#50
Toluene-d8
Concen: 50.480 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.8





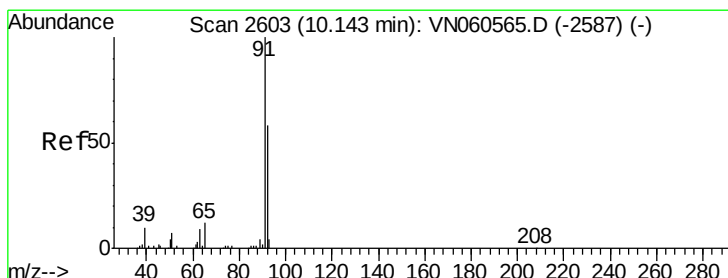
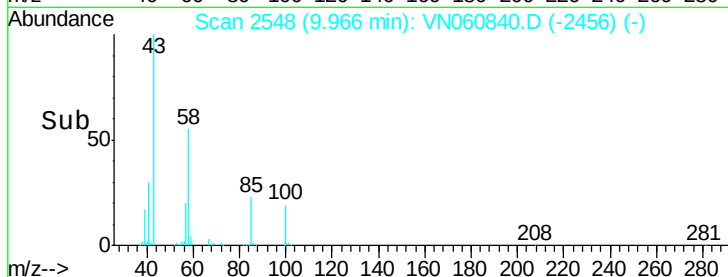
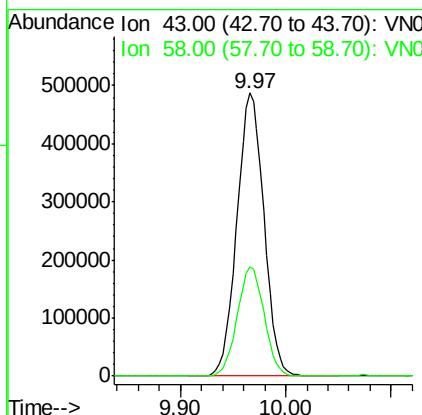
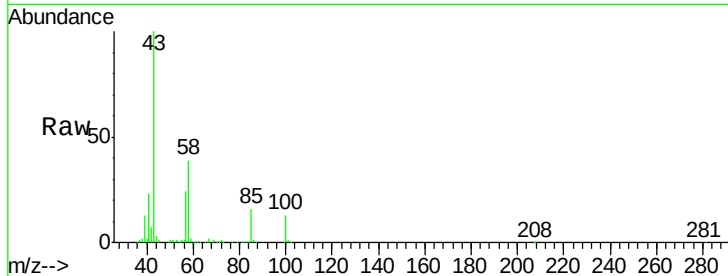
#51
4-Methyl-2-Pentanone
Concen: 259.265 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	864443
Ion Ratio	43	100	
Lower	58	38.6	30.8
Upper			46.2

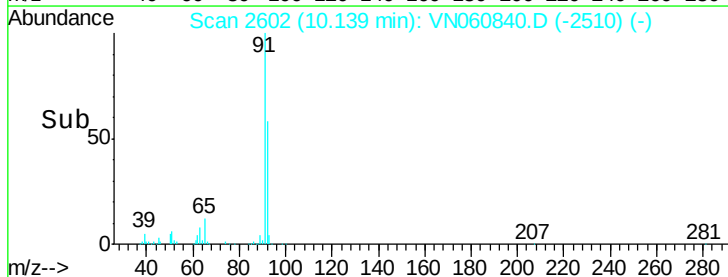
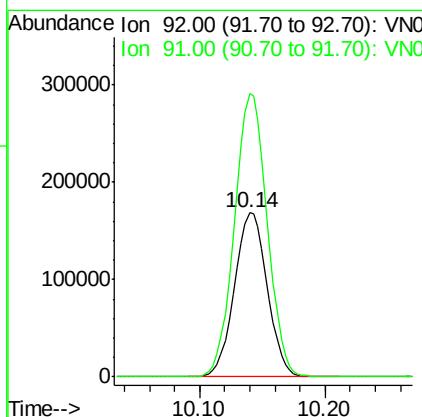
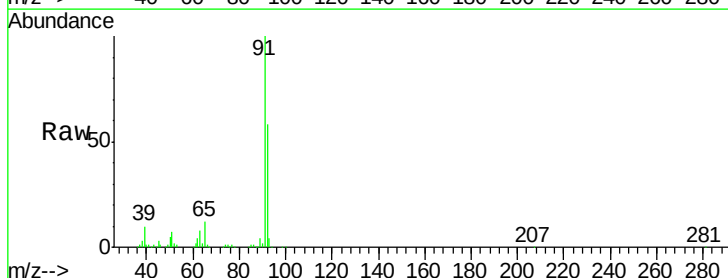
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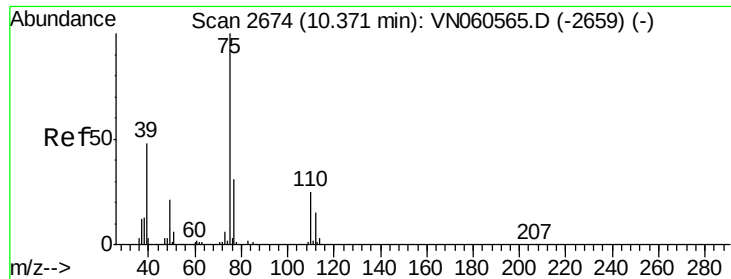
MMDadoda
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#52
Toluene
Concen: 51.088 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	92	Resp	306250
Ion Ratio	92	100	
Lower	91	172.1	137.6
Upper			206.4





#53

t-1,3-Dichloropropene

Concen: 53.441 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 201982

Ion Ratio Lower Upper

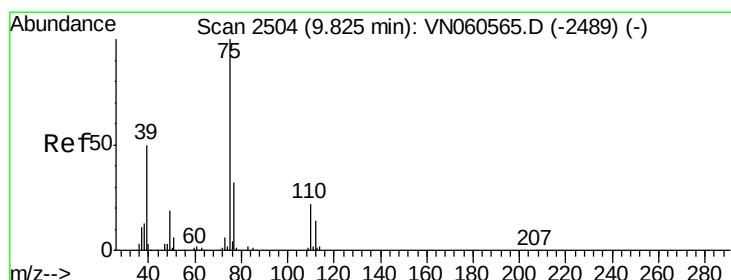
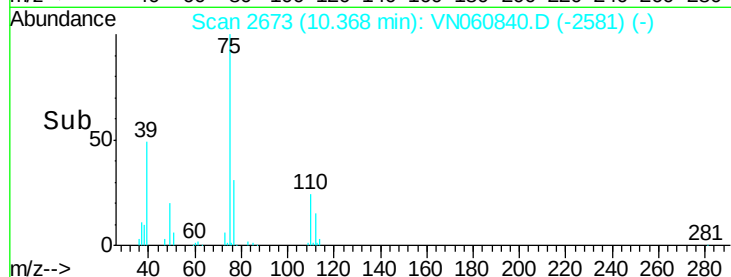
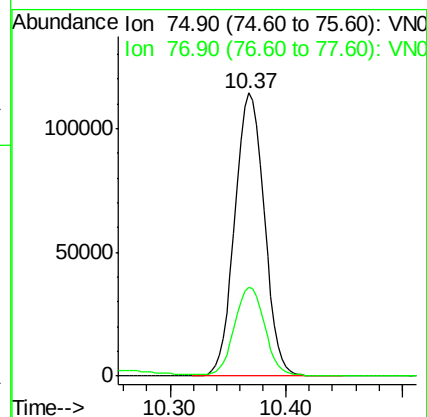
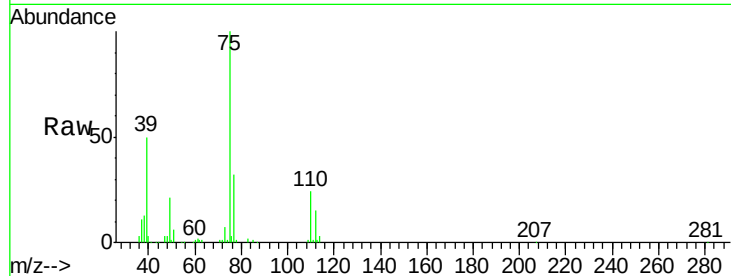
75 100

77 31.3 25.1 37.7

Manual Integrations
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MMDadoda

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#54

cis-1,3-Dichloropropene

Concen: 52.803 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

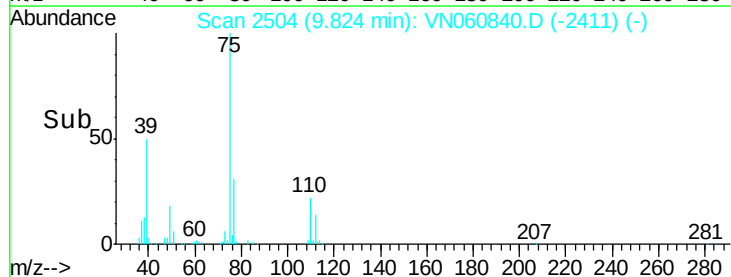
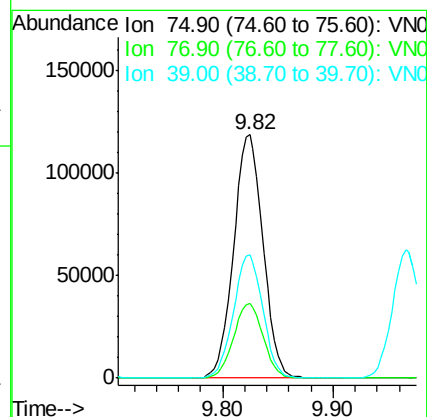
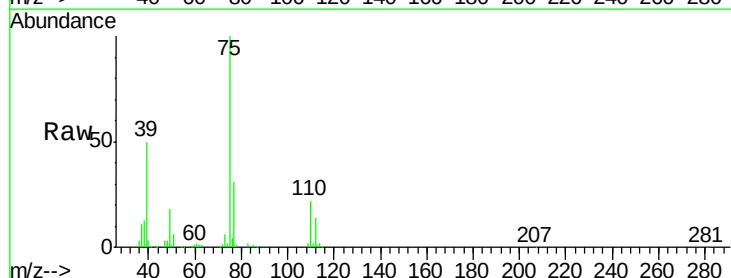
Tgt Ion: 75 Resp: 218939

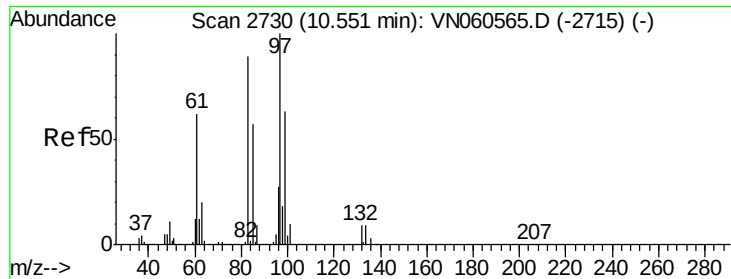
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 50.5 40.2 60.4





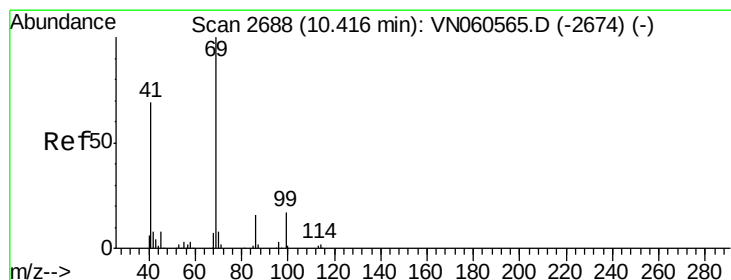
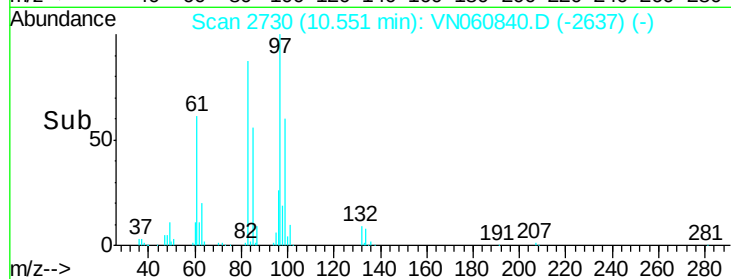
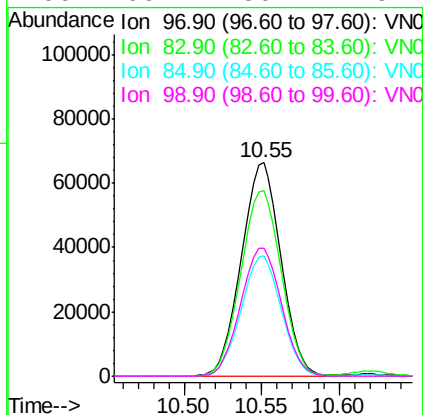
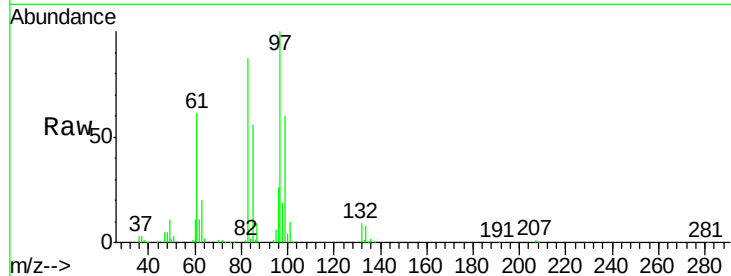
#55
 1,1,2-Trichloroethane
 Concen: 51.387 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	118509
Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.3	106.9
85	56.1	45.2	67.8
99	60.1	50.1	75.1

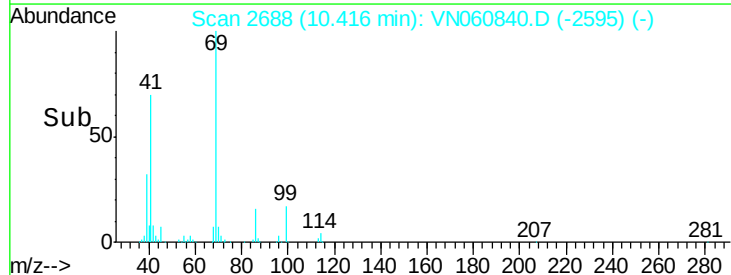
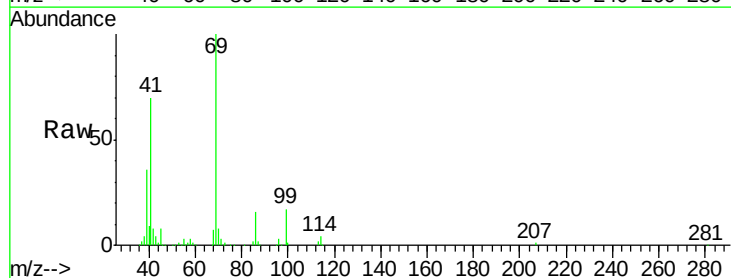
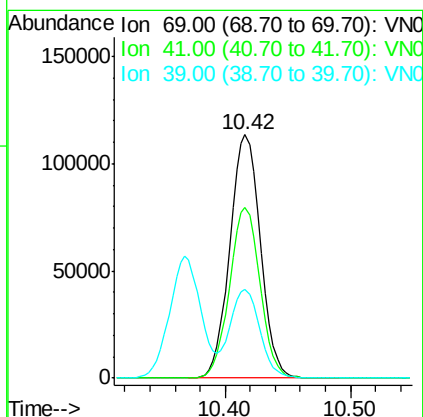
Manual Integrations
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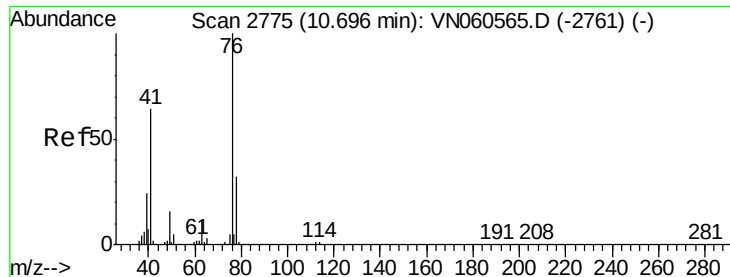
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 4/7/2020 3:21:37 PM



#56
 Ethyl methacrylate
 Concen: 53.482 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion:	69	Resp:	192316
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.4	83.2
39	35.7	29.4	44.0





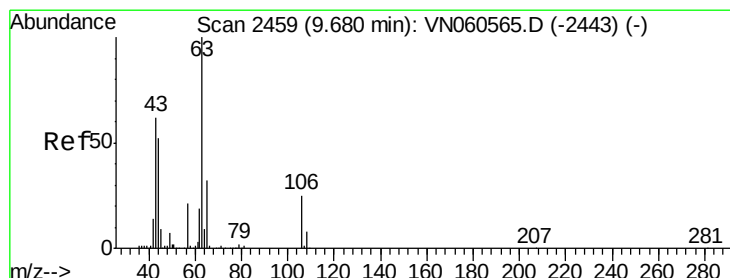
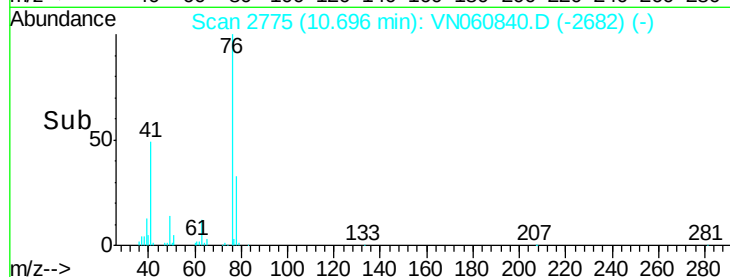
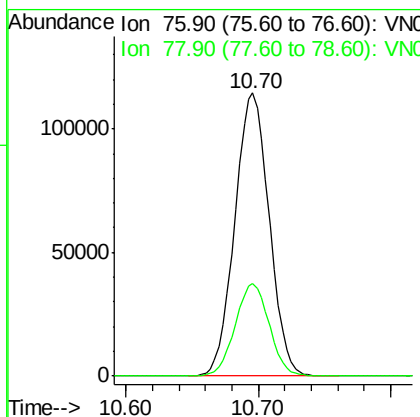
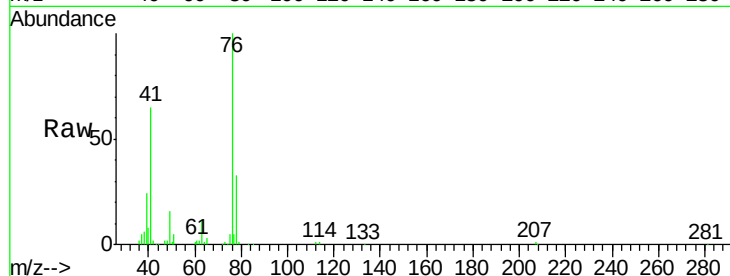
#57
 1,3-Dichloropropane
 Concen: 51.457 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

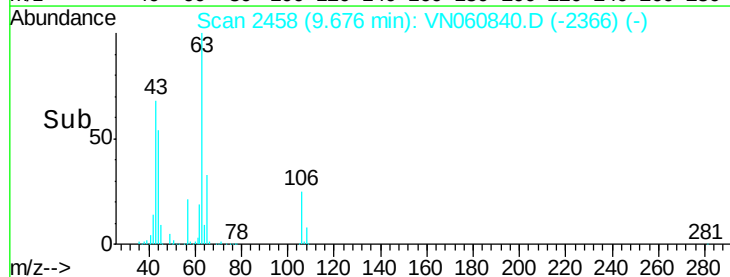
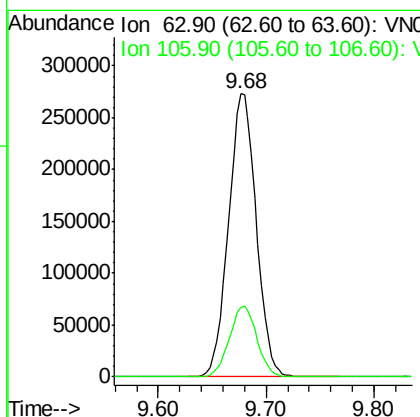
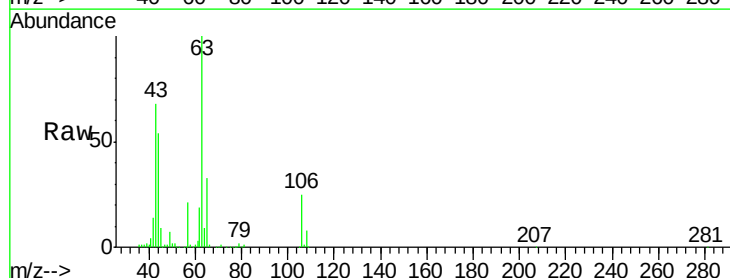
Manual Integrations
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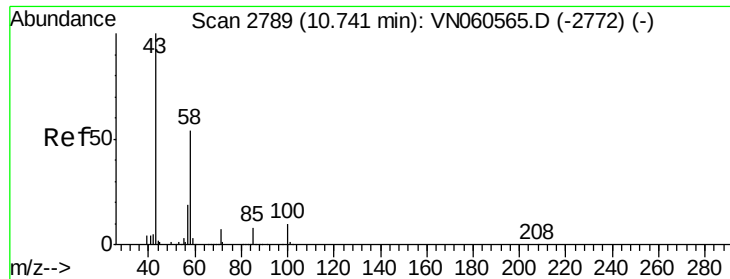
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#58
 2-Chloroethyl Vinyl ether
 Concen: 273.629 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	20.0	30.0





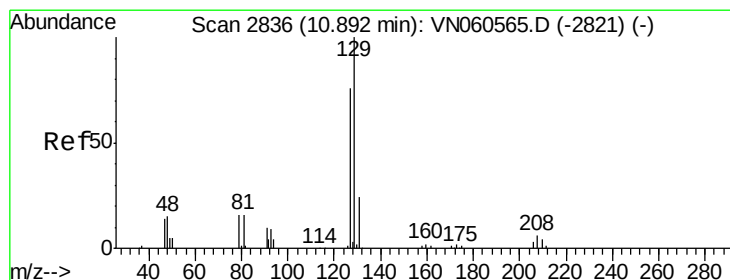
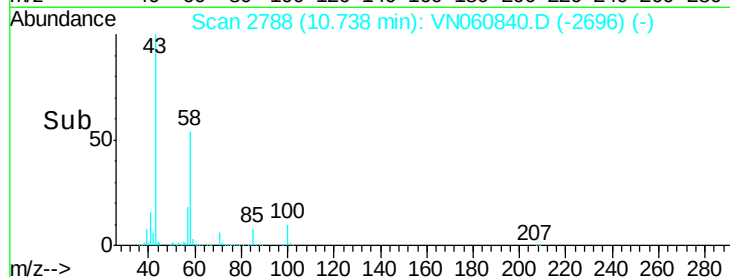
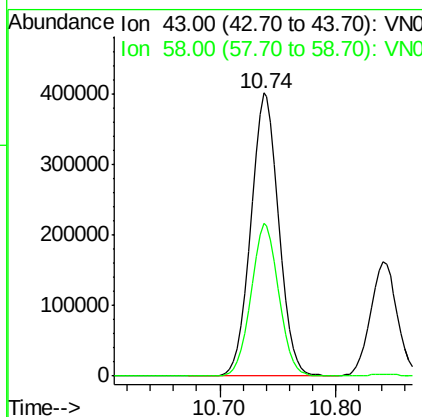
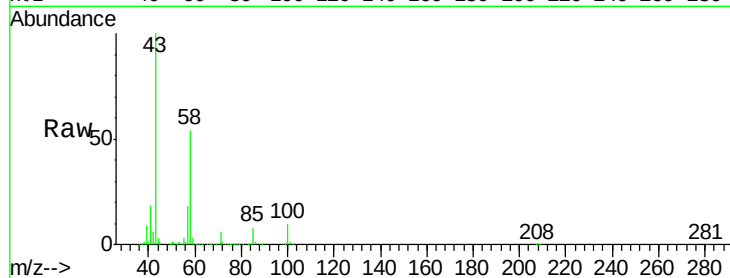
#59
2-Hexanone
Concen: 281.772 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 676763
Ion Ratio Lower Upper
43 100
58 53.4 26.7 80.1

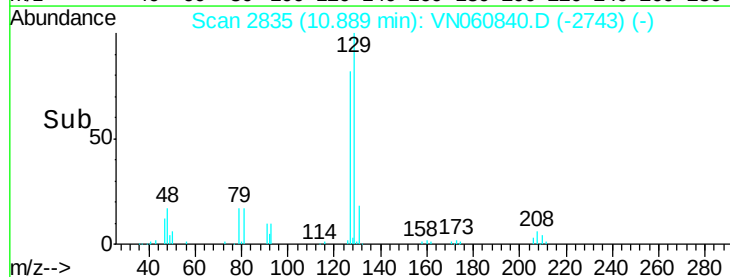
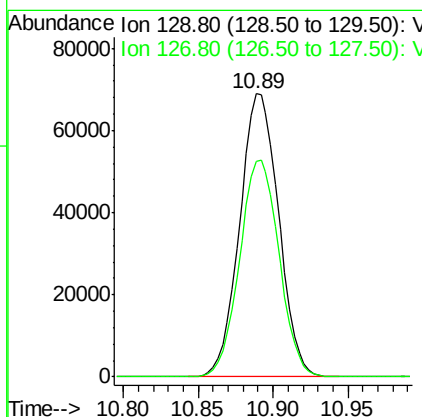
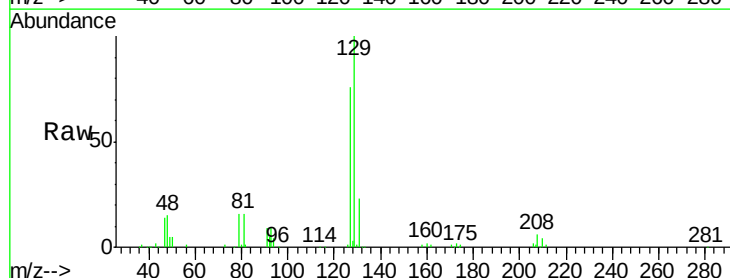
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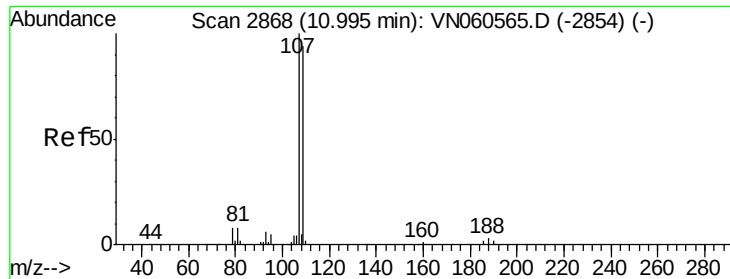
MMDadoda
4/7/2020 3:21:37 PM



#60
Dibromochloromethane
Concen: 52.572 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion: 129 Resp: 125237
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





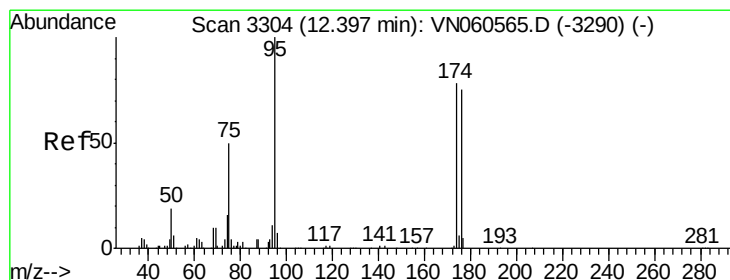
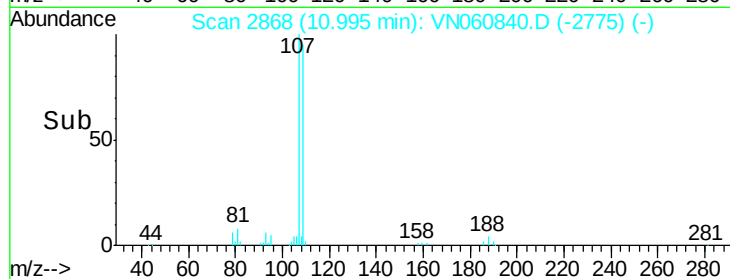
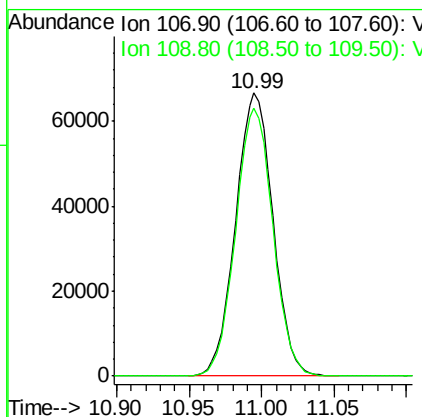
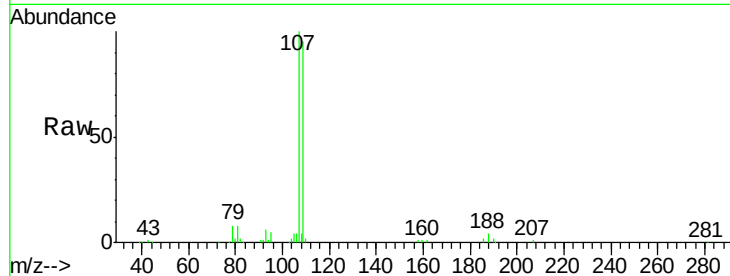
#61
 1,2-Dibromoethane
 Concen: 51.511 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2

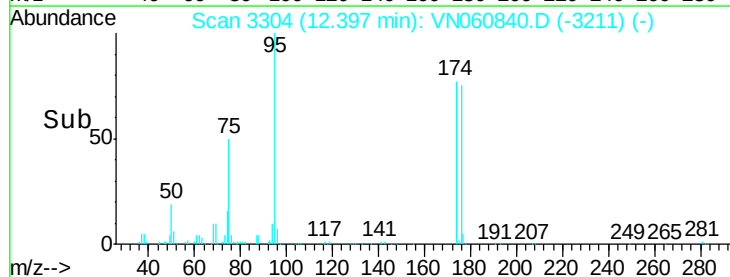
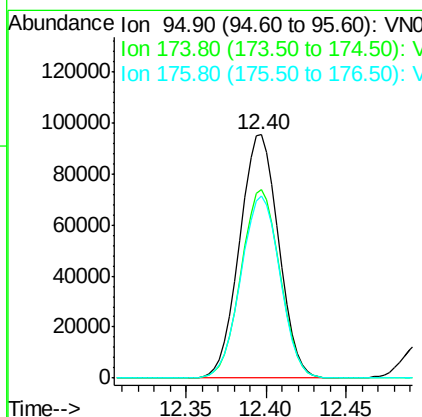
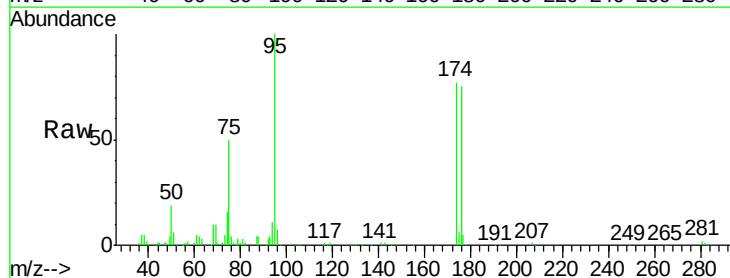
Manual Integrations
 APPROVED

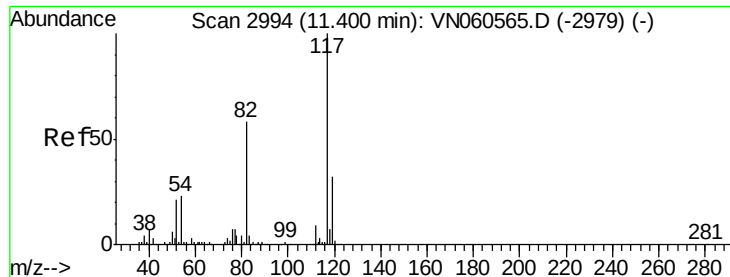
MMDadoda
 4/7/2020 3:21:37 PM



#62
 4-Bromofluorobenzene
 Concen: 51.686 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	157.6
176	75.3	0.0	150.6





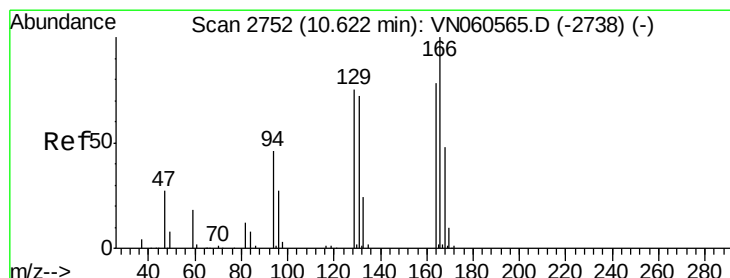
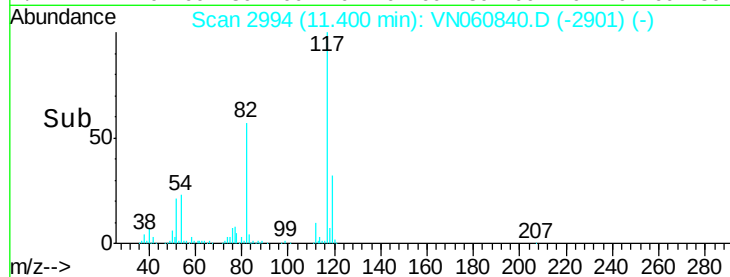
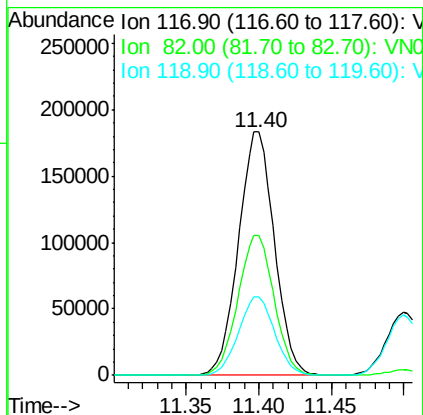
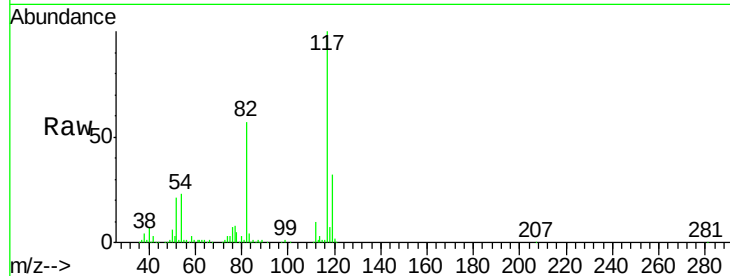
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.7	70.1
119	32.4	25.5	38.3

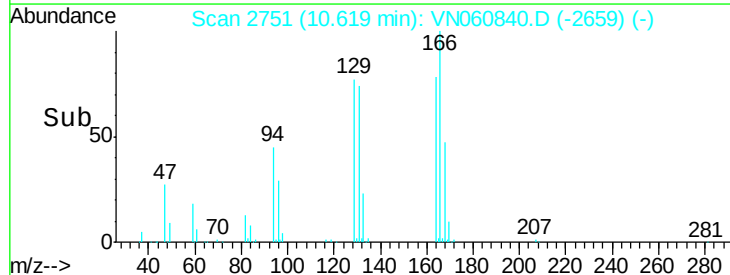
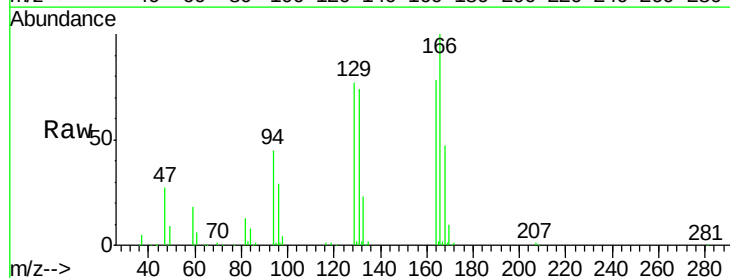
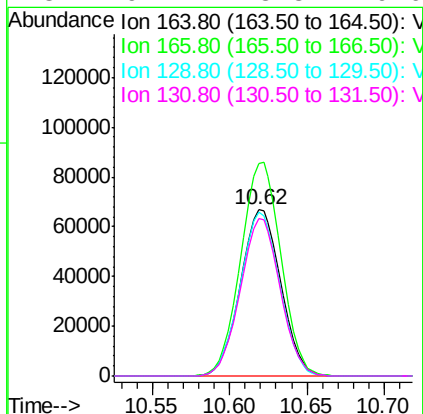
Manual Integrations
APPROVED

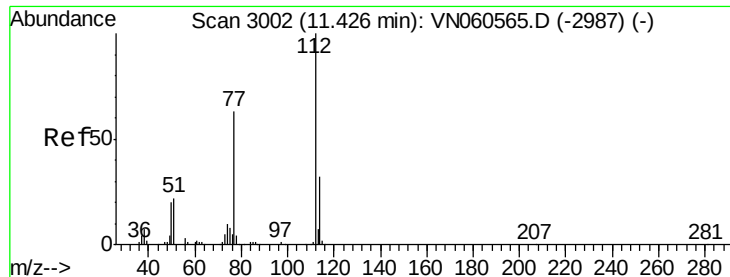
MMDadoda
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#64
Tetrachloroethene
Concen: 49.049 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.7	154.1
129	98.5	77.2	115.8
131	94.7	73.8	110.6





#65

Chlorobenzene

Concen: 50.163 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 312817

Ion Ratio Lower Upper

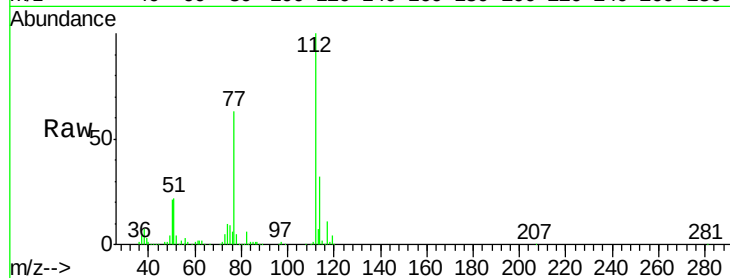
112 100

114 31.6 25.8 38.6

Manual Integrations
APPROVED

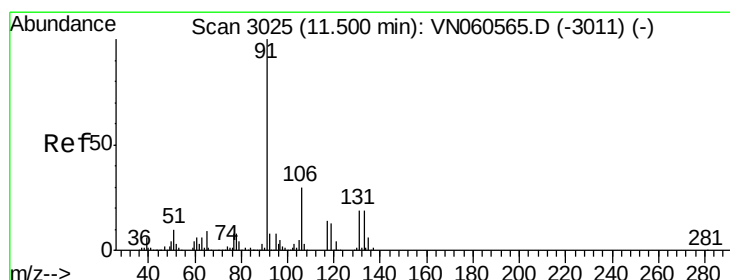
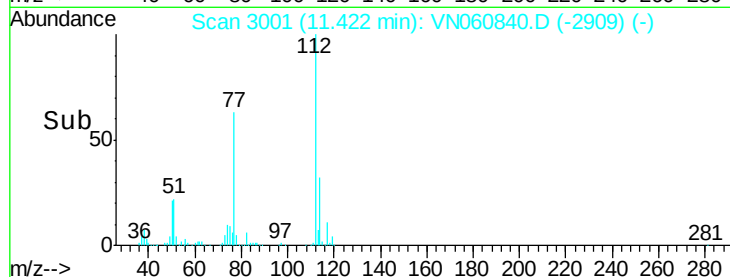
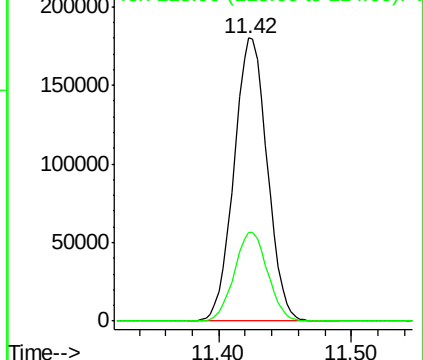
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.018 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

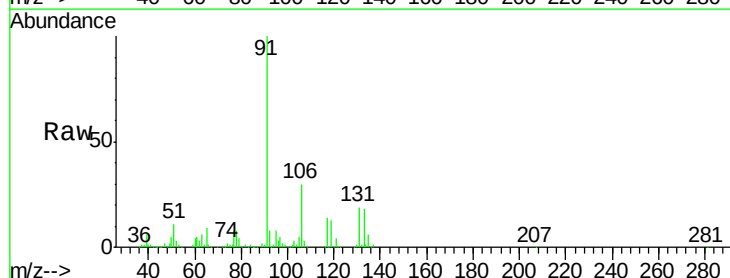
Tgt Ion:131 Resp: 115190

Ion Ratio Lower Upper

131 100

133 95.5 48.9 146.8

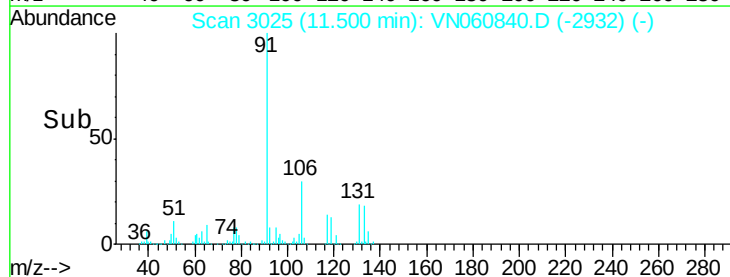
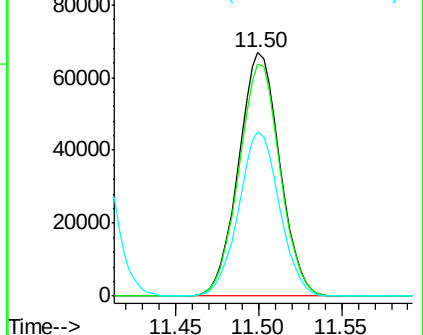
119 66.9 33.9 101.7

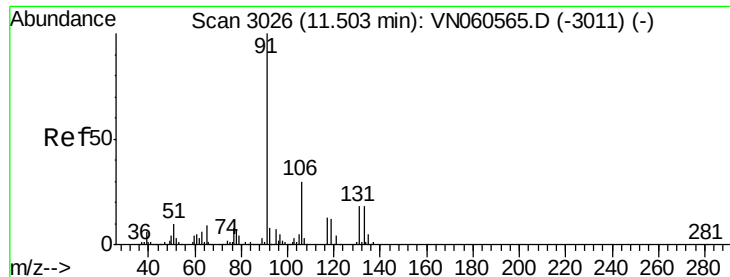


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.438 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 596508

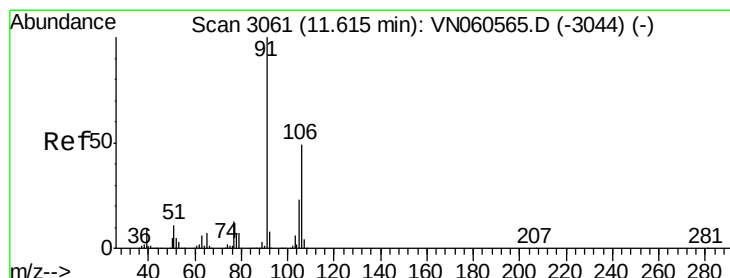
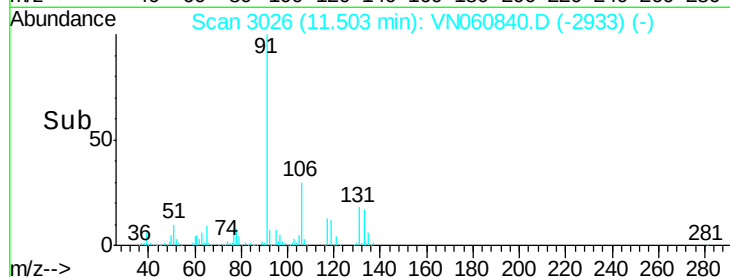
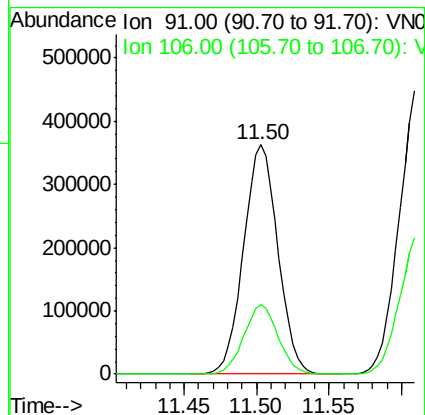
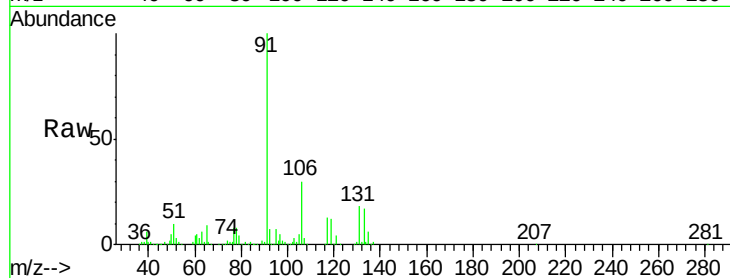
Ion Ratio Lower Upper

91 100

106 30.1 24.2 36.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 101.619 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060840.D

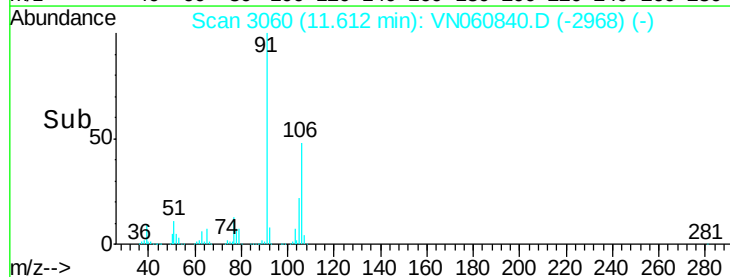
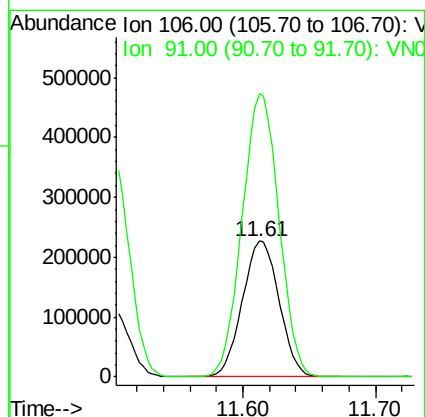
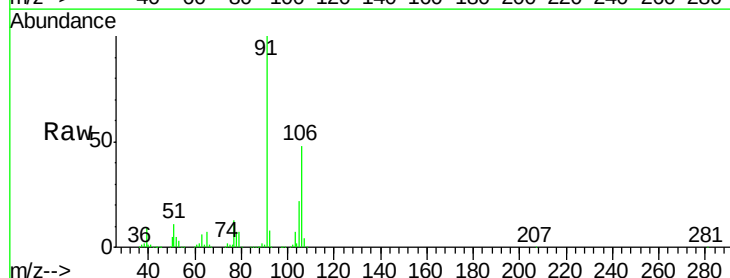
Acq: 6 Apr 2020 10:24

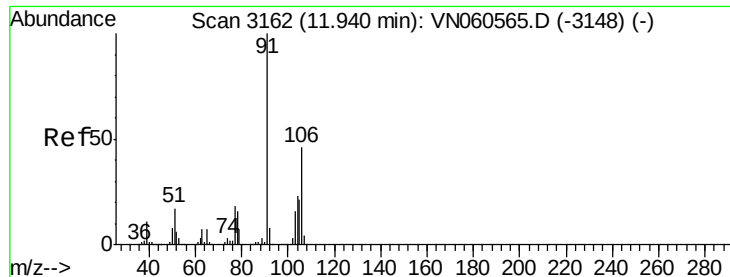
Tgt Ion: 106 Resp: 437916

Ion Ratio Lower Upper

106 100

91 208.2 165.0 247.4





#69

o-Xylene

Concen: 51.149 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 210418

Ion Ratio Lower Upper

106 100

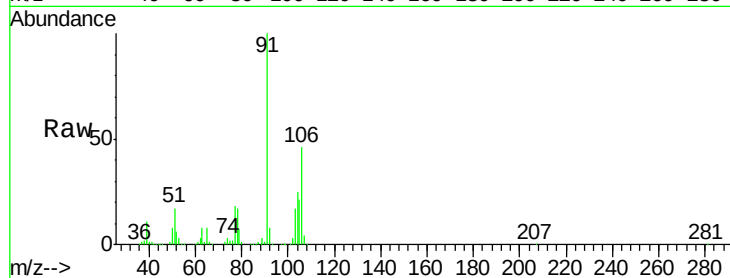
91 218.6 109.5 328.4

Manual Integrations

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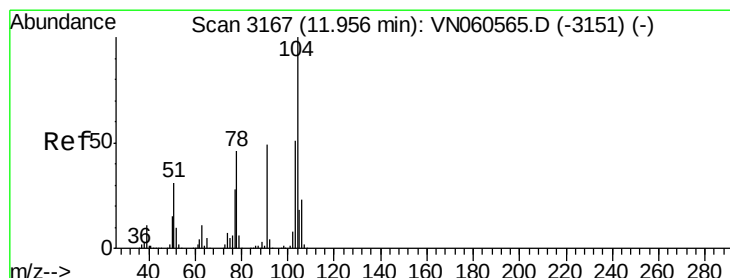
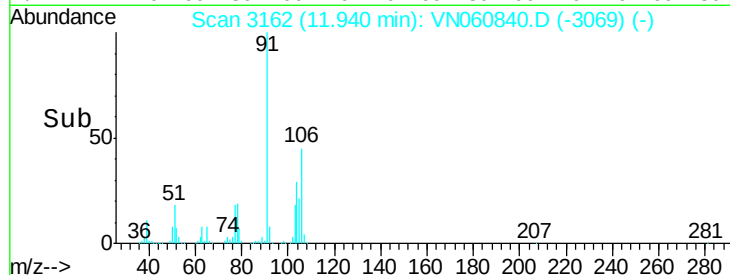
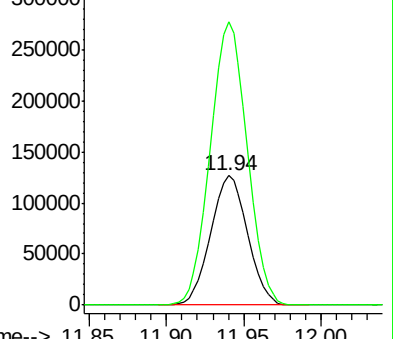
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 52.117 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

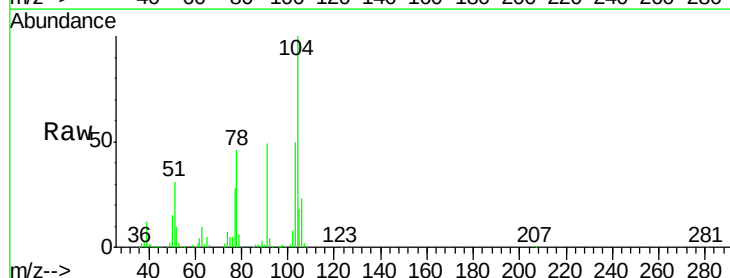
Tgt Ion:104 Resp: 350649

Ion Ratio Lower Upper

104 100

78 51.3 41.2 61.8

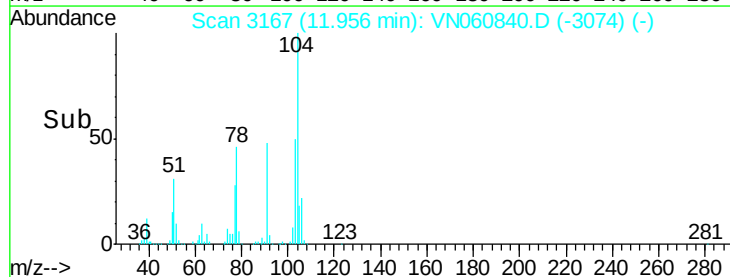
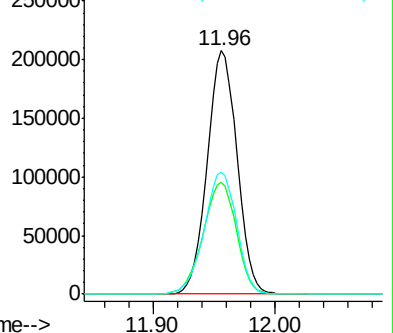
103 54.6 44.0 66.0

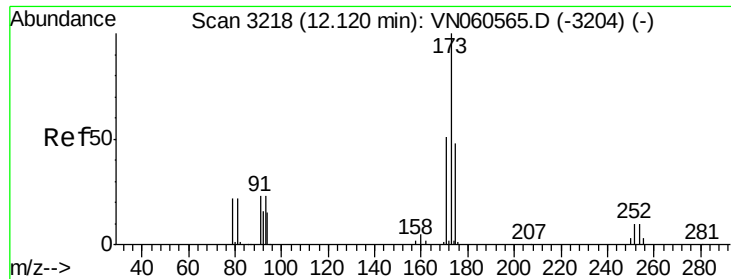


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 47.955 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

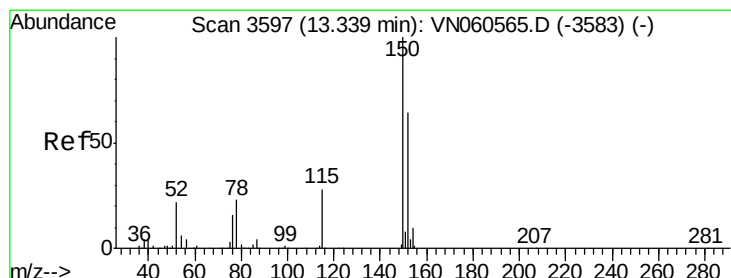
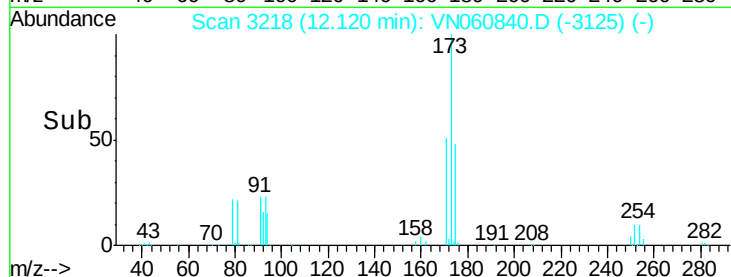
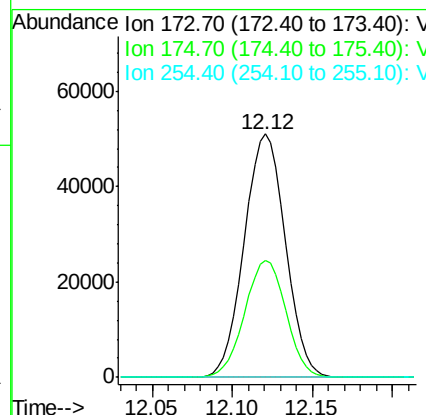
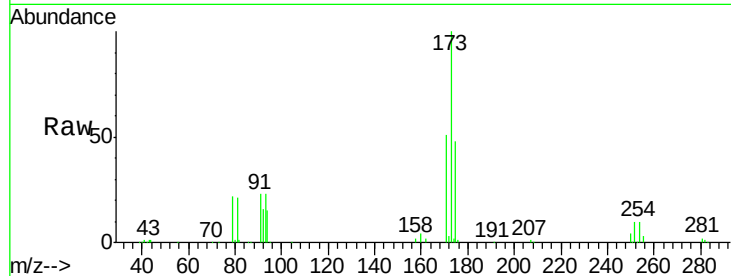
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	89856
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

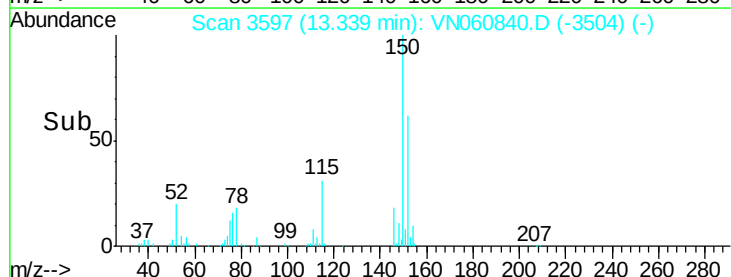
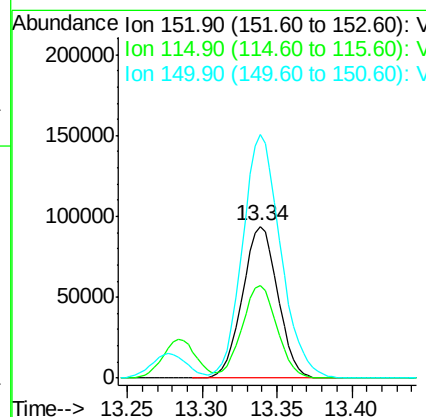
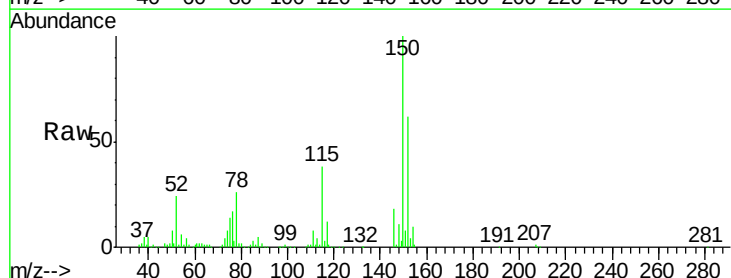
RT: 13.34 min Scan# 3597

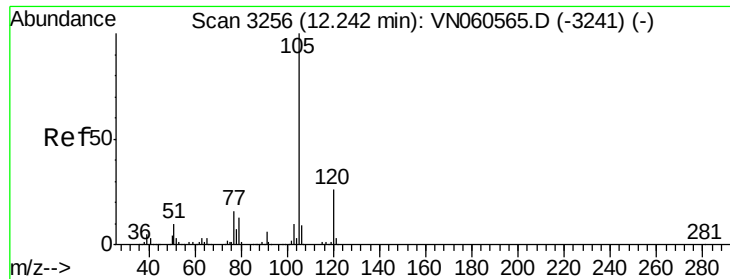
Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion:	152	Resp:	153951
Ion Ratio	Lower	Upper	
152	100		
115	60.4	30.2	90.6
150	174.0	0.0	350.2





#73

Isopropylbenzene

Concen: 49.234 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 568824

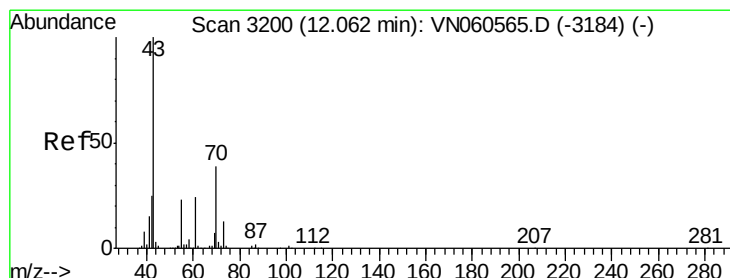
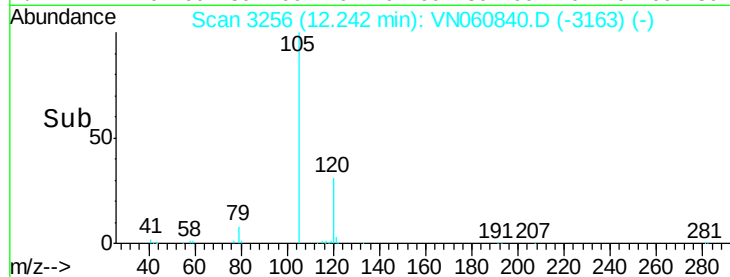
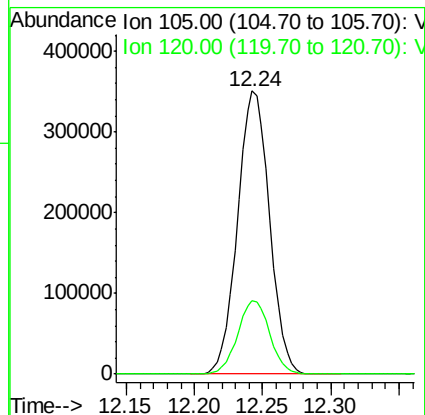
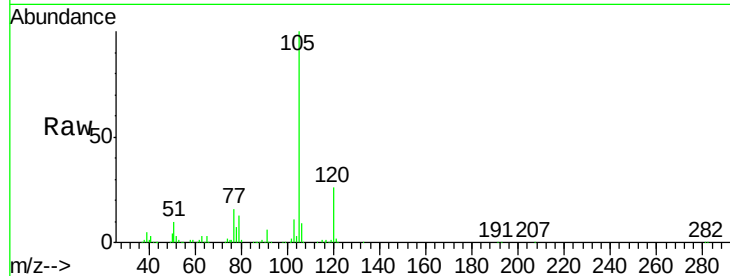
Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 49.080 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion: 43 Resp: 262021

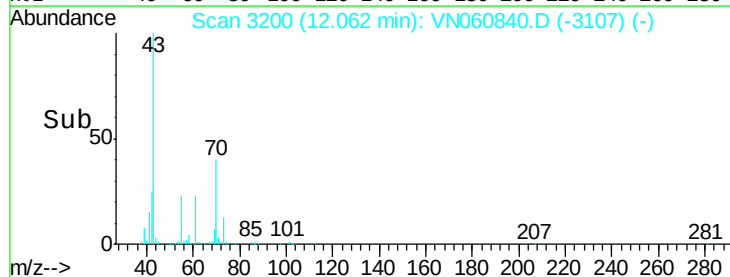
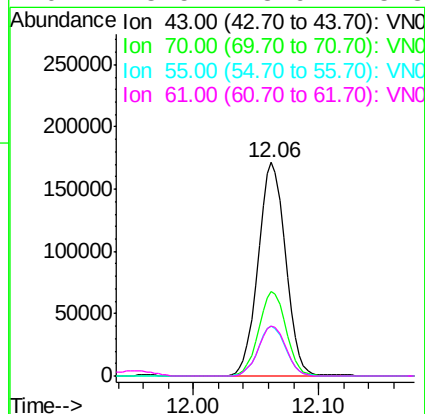
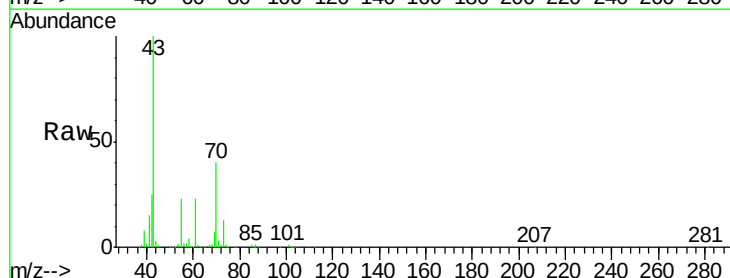
Ion Ratio Lower Upper

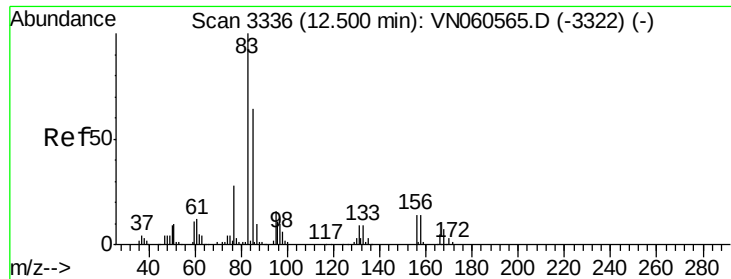
43 100

70 39.4 31.1 46.7

55 23.5 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.007 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

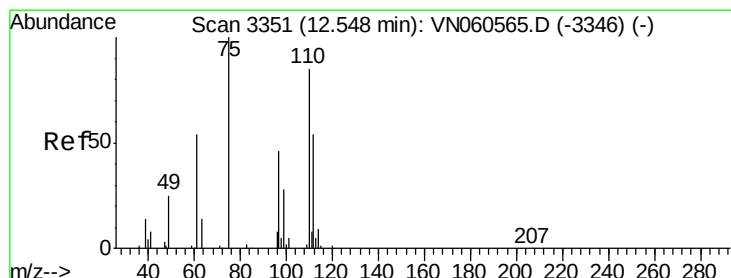
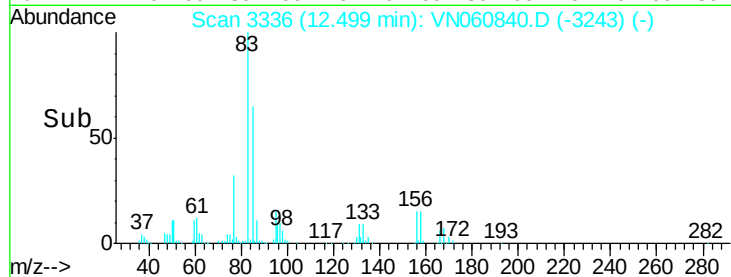
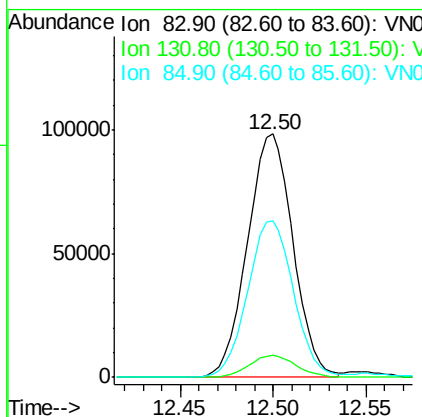
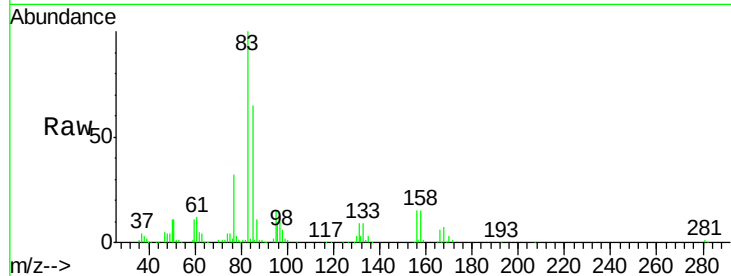
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	167730
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	64.8	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.744 ug/l m

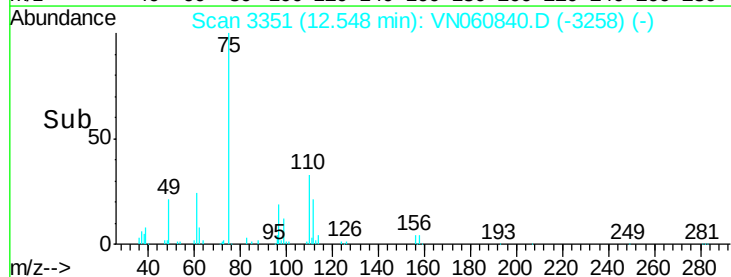
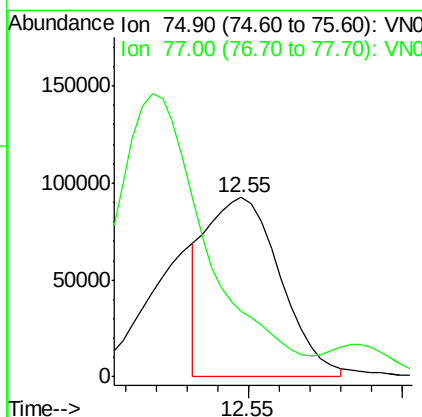
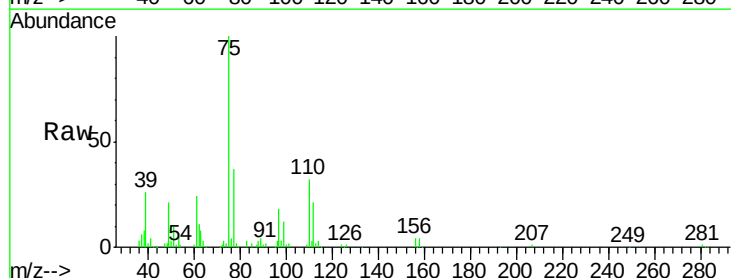
RT: 12.55 min Scan# 3351

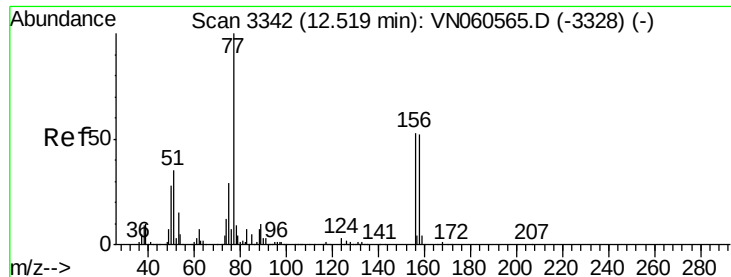
Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion:	75	Resp:	155282
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.506 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

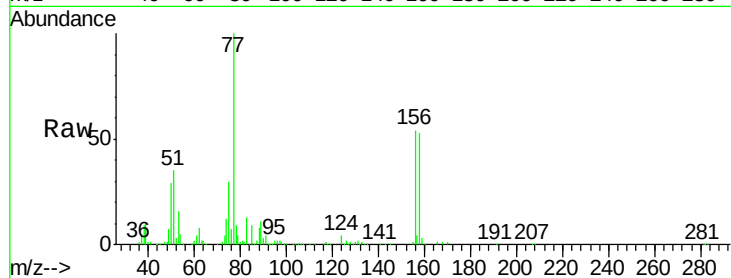
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	135040
Ion Ratio	Lower	Upper	
156	100		
77	223.2	112.3	337.0
158	97.5	48.6	145.8

Manual Integrations
APPROVED

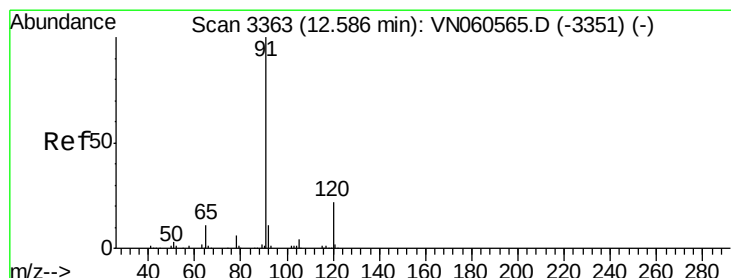
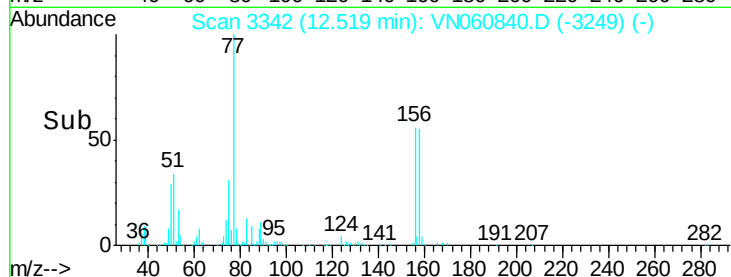
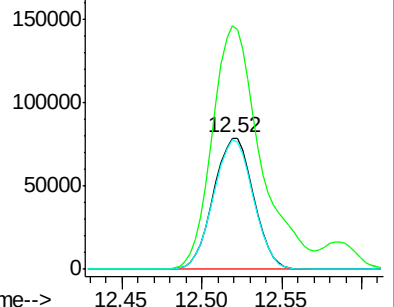
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.960 ug/l

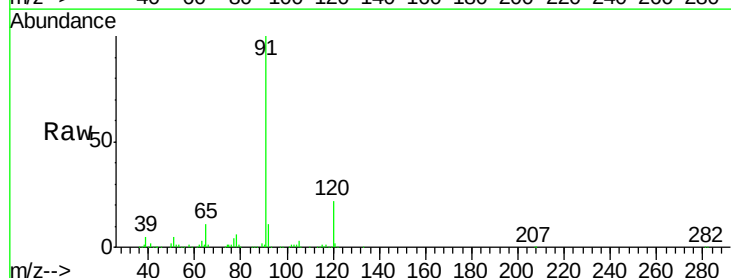
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060840.D

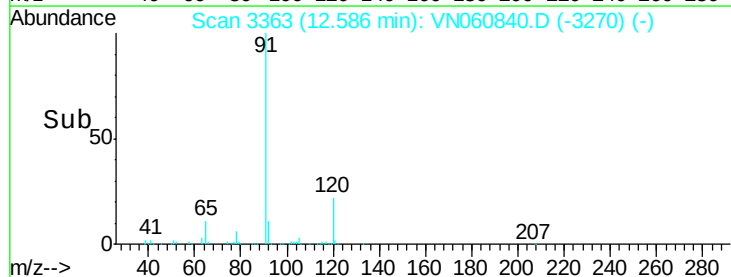
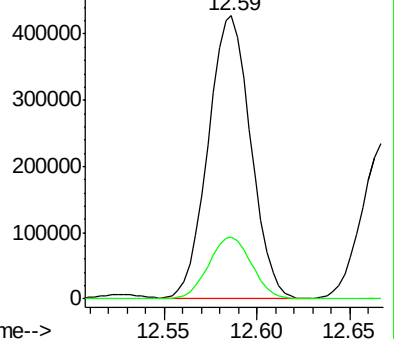
Acq: 6 Apr 2020 10:24

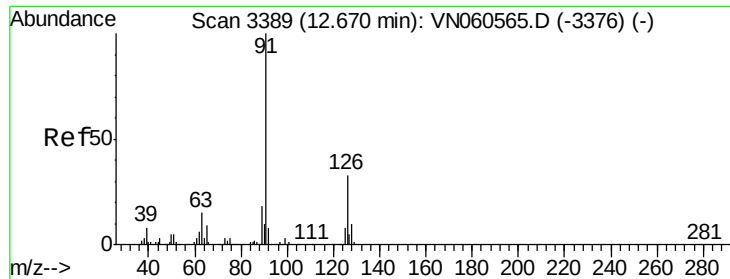
Tgt Ion:	91	Resp:	681938
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





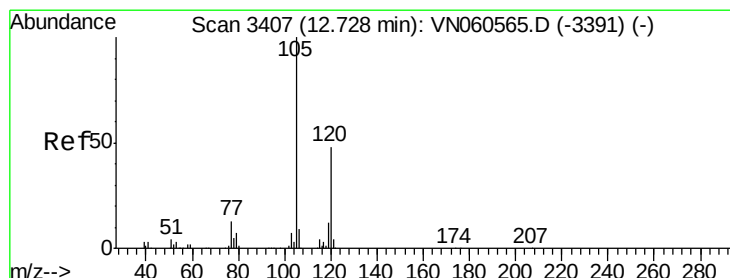
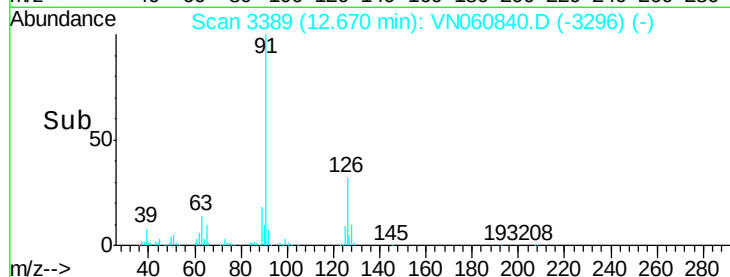
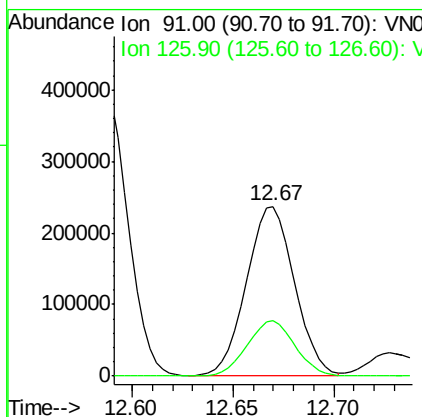
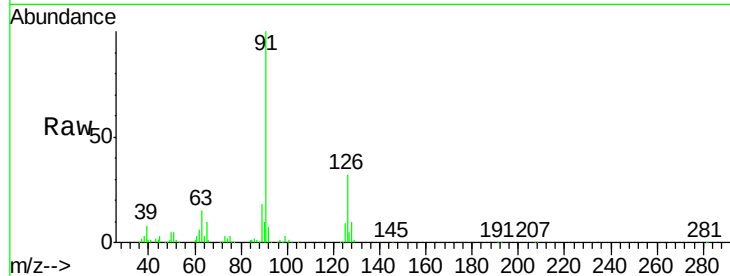
#79
 2-Chlorotoluene
 Concen: 48.377 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 394543
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.1

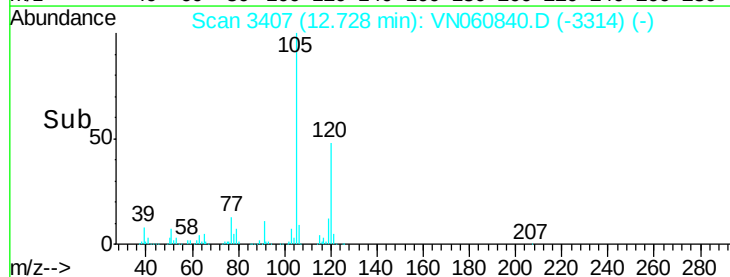
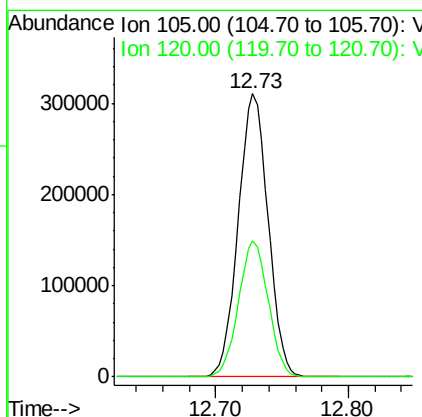
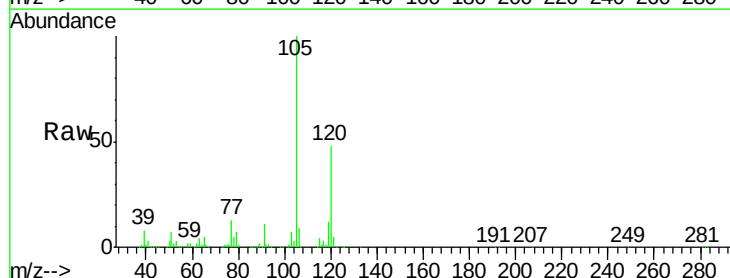
Manual Integrations
 APPROVED

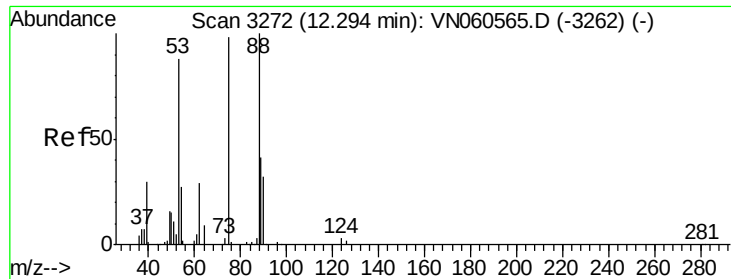
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.465 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion: 105 Resp: 484979
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.9 71.7





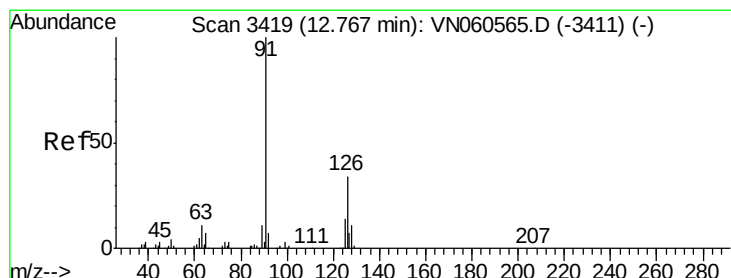
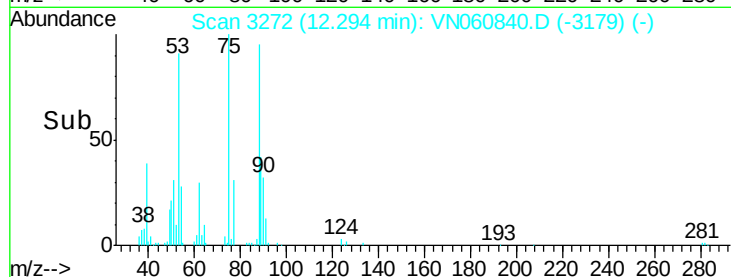
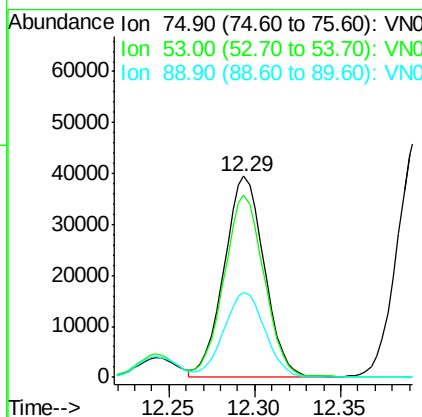
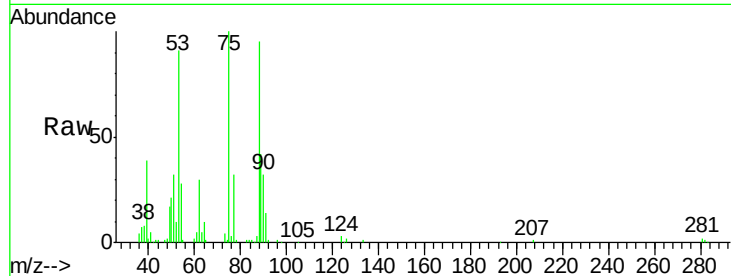
#81
trans-1,4-Dichloro-2-butene
Concen: 49.996 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.2	73.0	109.4
89	43.0	34.8	52.2

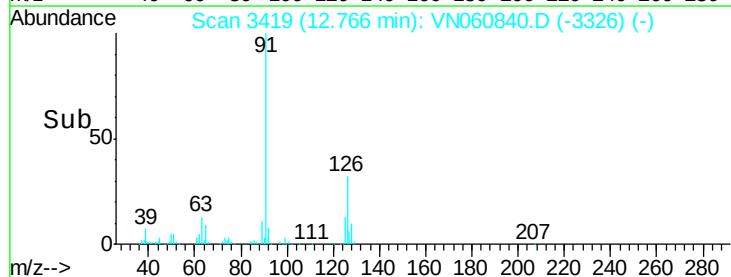
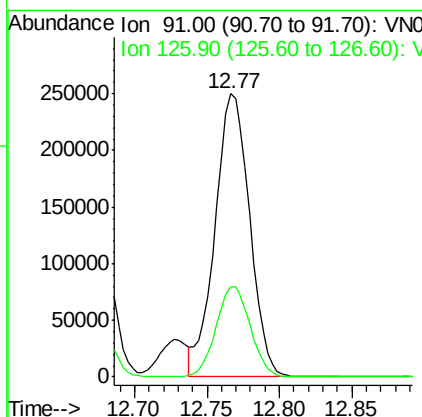
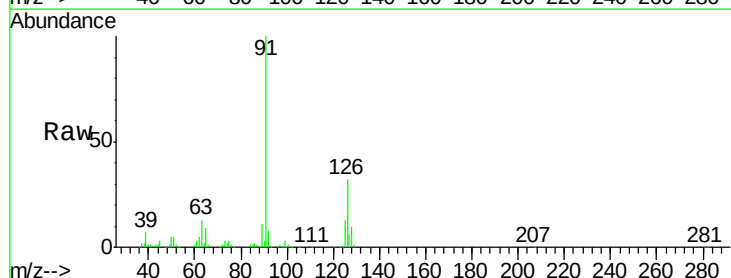
Manual Integrations
APPROVED

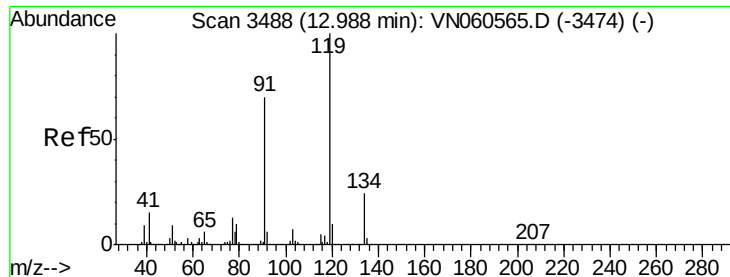
MMDadoda
4/7/2020 3:21:37 PM



#82
4-Chlorotoluene
Concen: 49.917 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.2	48.5





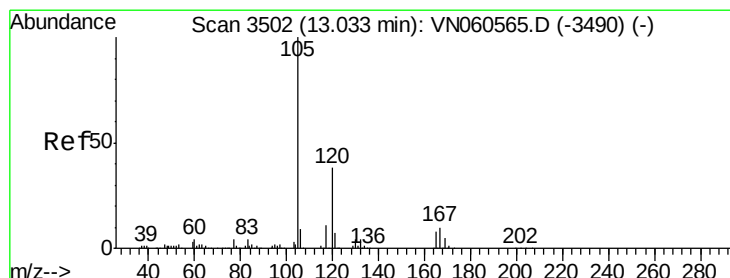
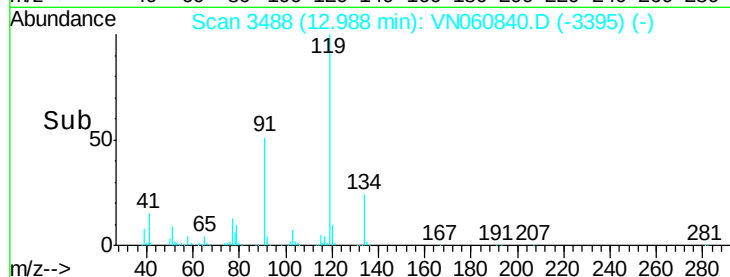
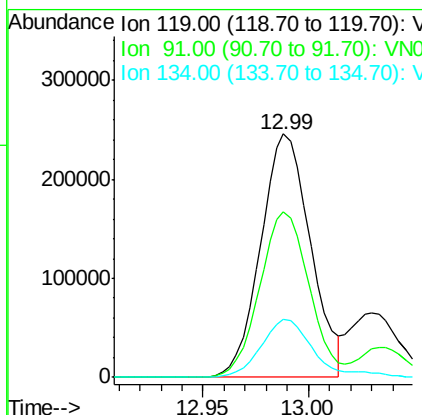
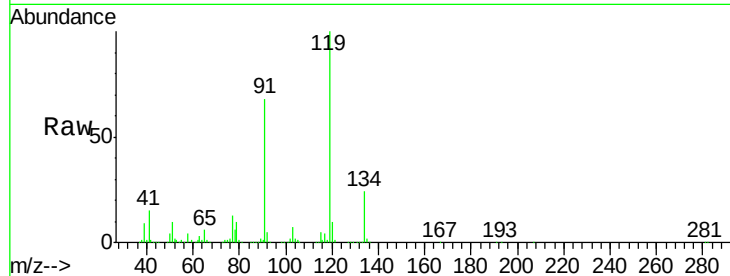
#83
 tert-Butylbenzene
 Concen: 49.695 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.0	101.8
134	25.0	12.7	38.0

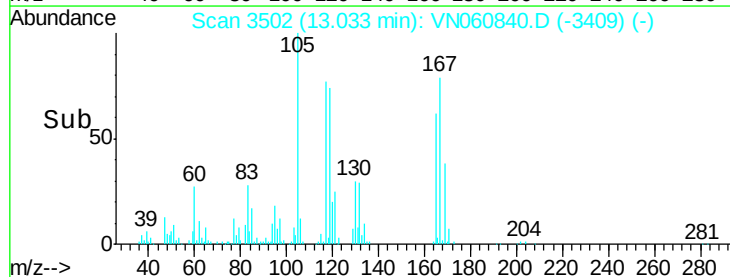
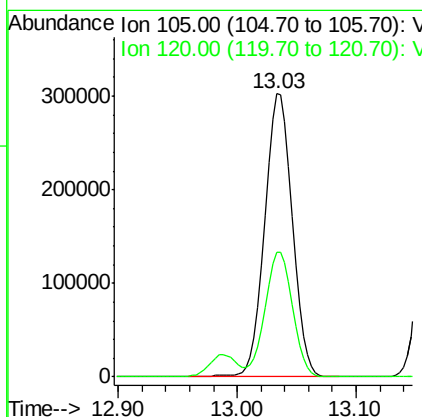
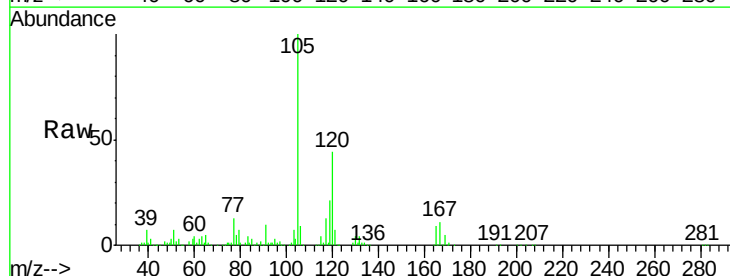
Manual Integrations
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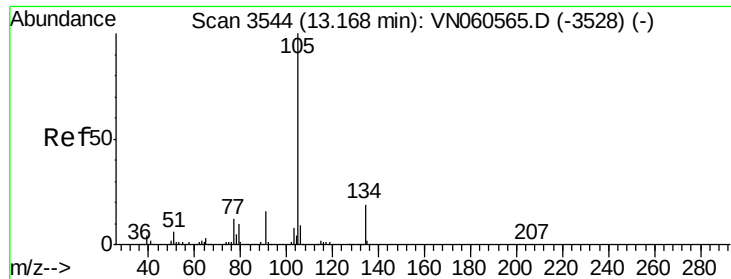
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.139 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 51.580 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

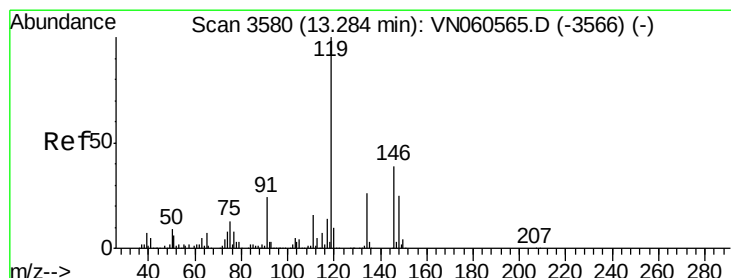
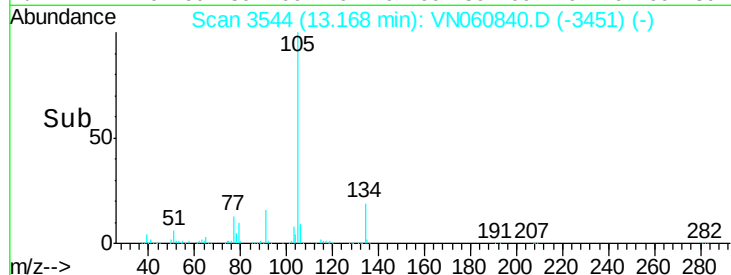
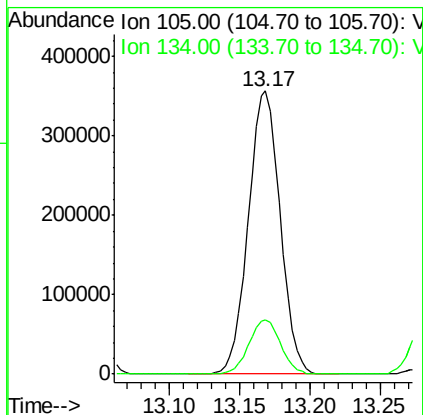
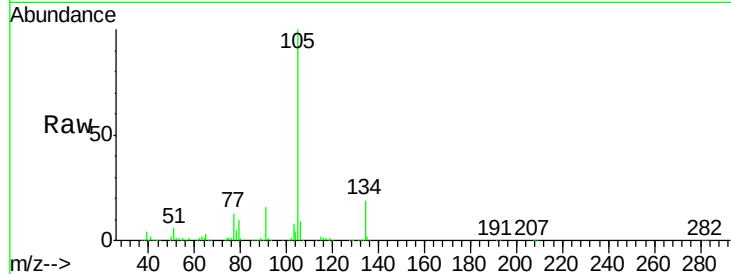
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	563736		
134	19.1	9.6	28.8	

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.753 ug/l

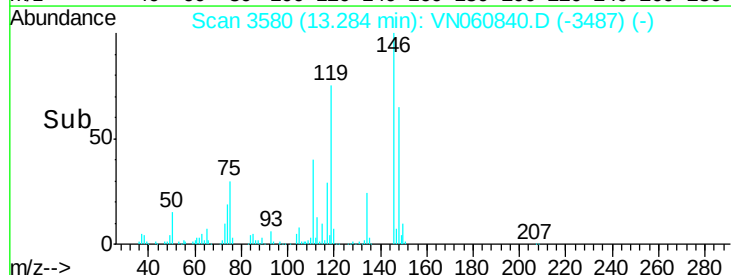
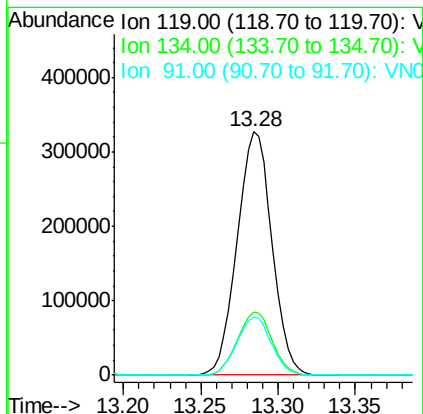
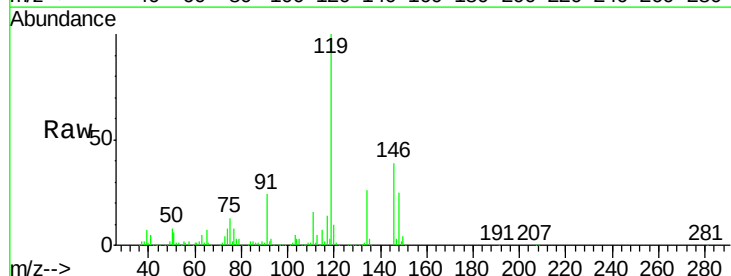
RT: 13.28 min Scan# 3580

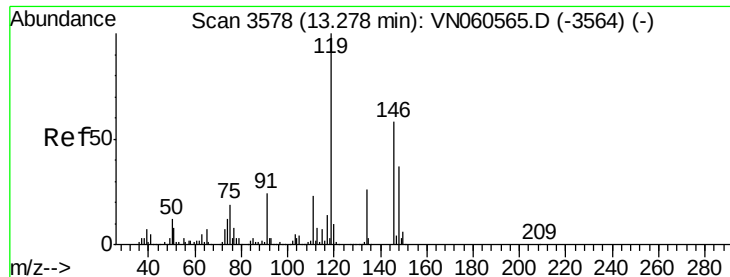
Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	508629		
134	26.0	13.0	39.0	
91	23.9	12.0	36.0	





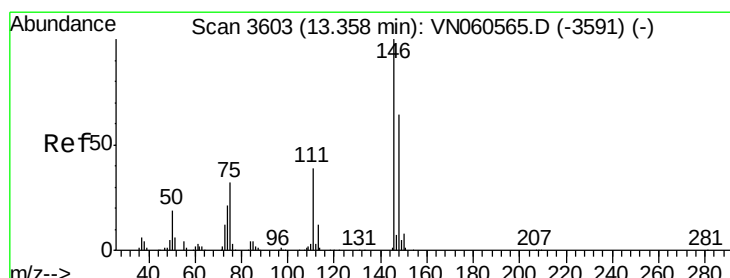
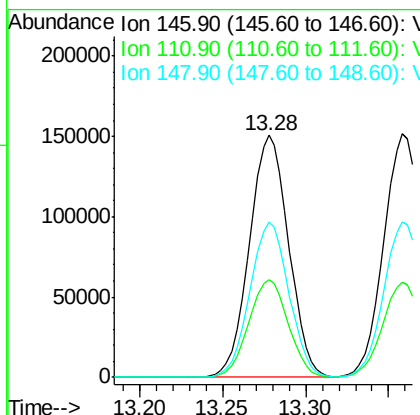
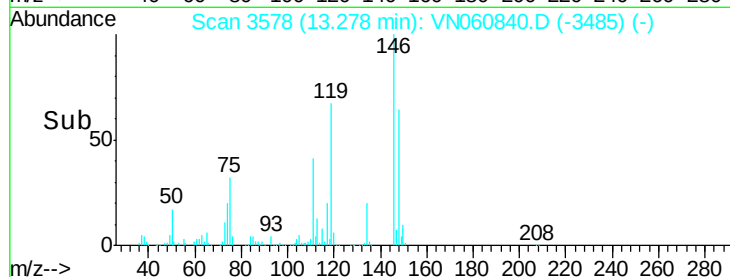
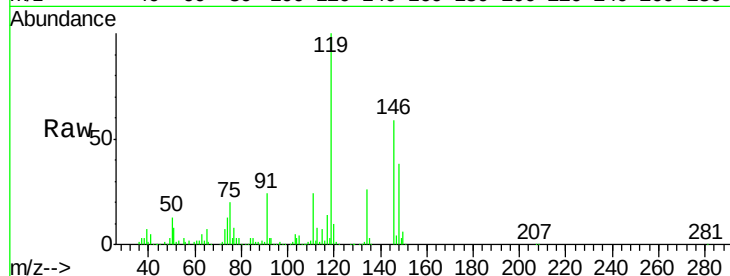
#87
 1,3-Dichlorobenzene
 Concen: 50.270 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	63.8	32.5	97.4

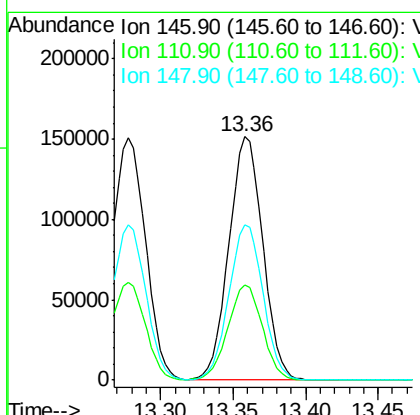
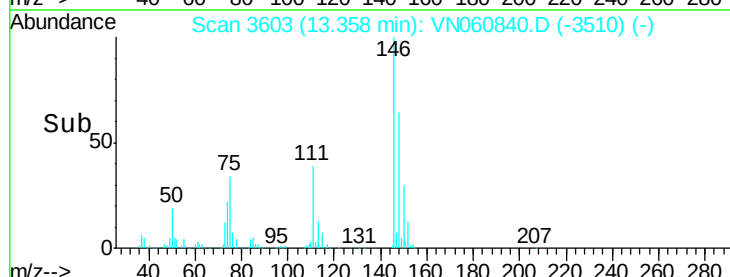
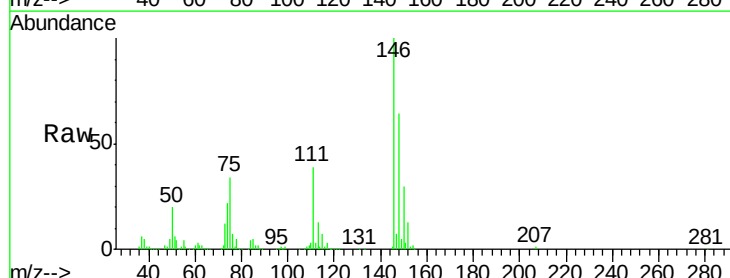
Manual Integrations
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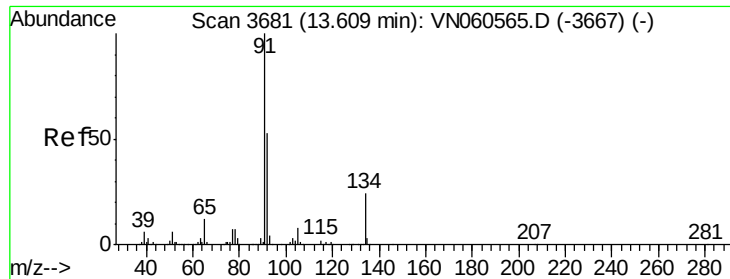
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#88
 1,4-Dichlorobenzene
 Concen: 49.989 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	64.1	32.1	96.3





#89

n-Butylbenzene

Concen: 54.761 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Instrument :

MSVOA_N

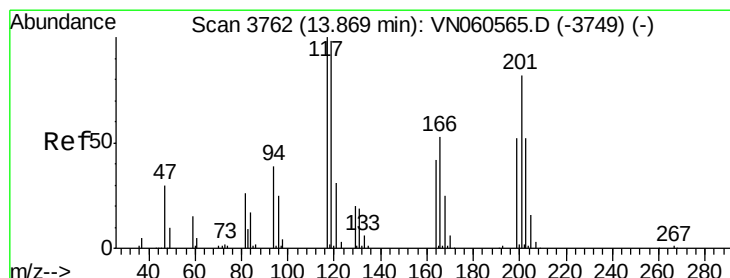
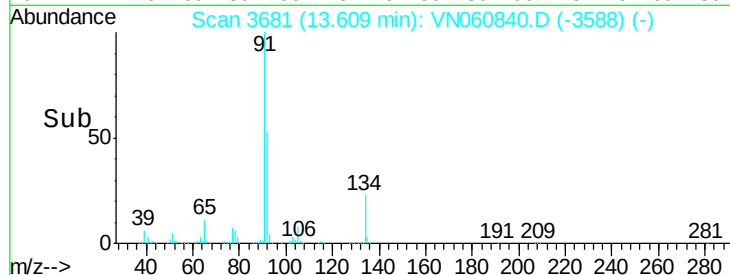
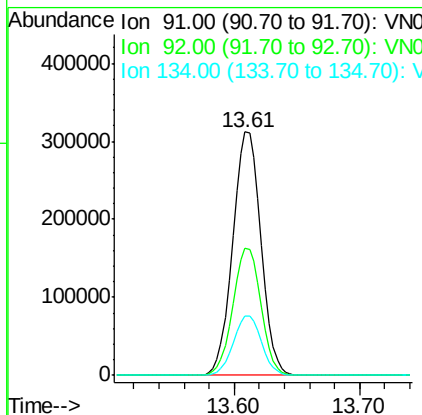
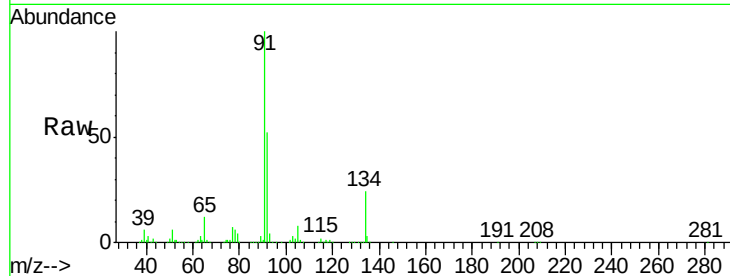
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	485900
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	24.4	12.3	36.9

Manual Integrations
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4/7/2020 3:21:37 PM



#90

Hexachloroethane

Concen: 54.475 ug/l

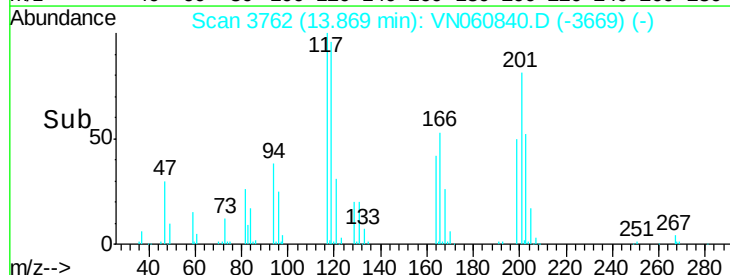
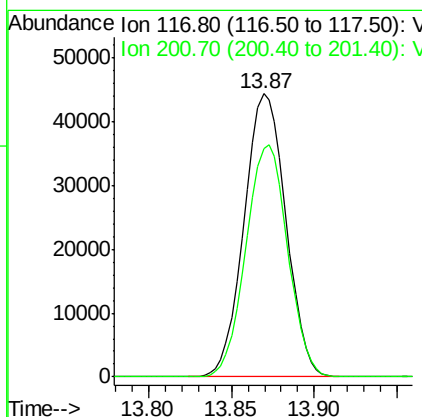
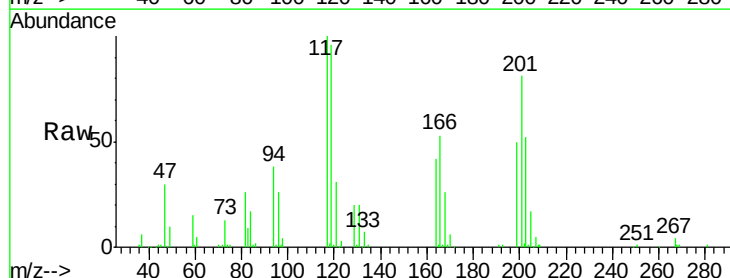
RT: 13.87 min Scan# 3762

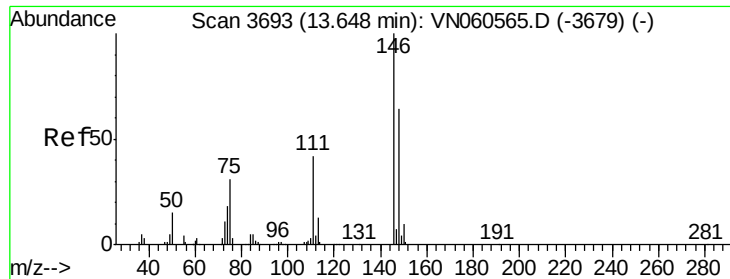
Delta R.T. -0.00 min

Lab File: VN060840.D

Acq: 6 Apr 2020 10:24

Tgt Ion:	117	Resp:	77822
Ion	Ratio	Lower	Upper
117	100		
201	81.8	40.8	122.5





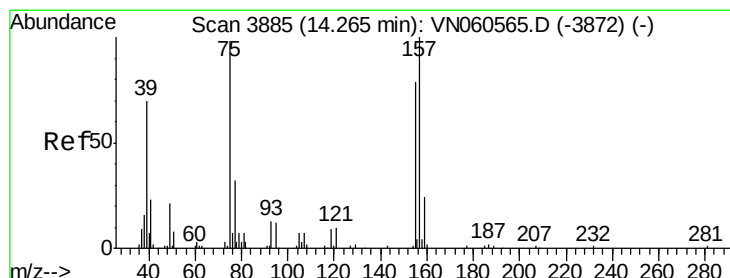
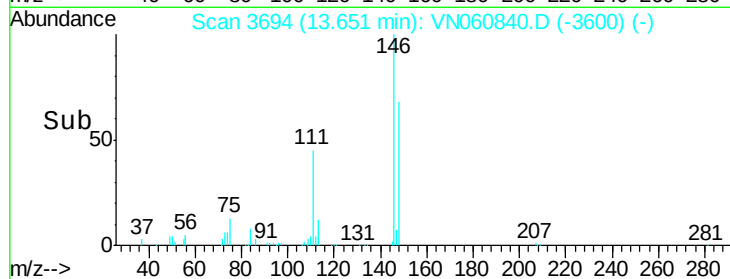
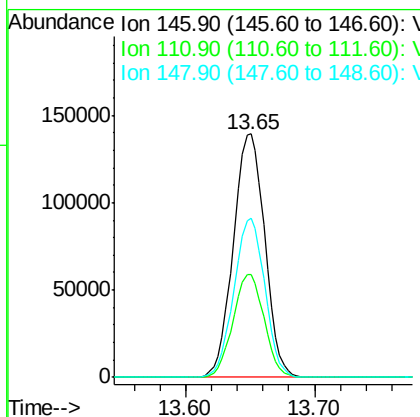
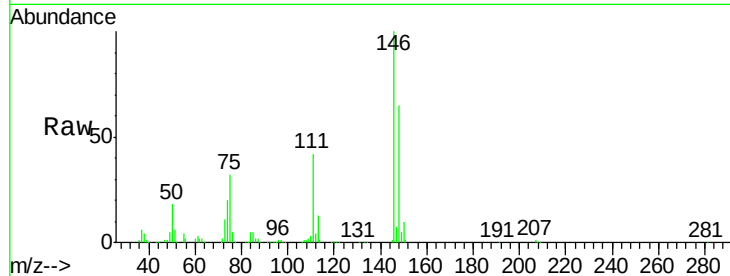
#91
 1,2-Dichlorobenzene
 Concen: 50.230 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	64.4	31.9	95.5

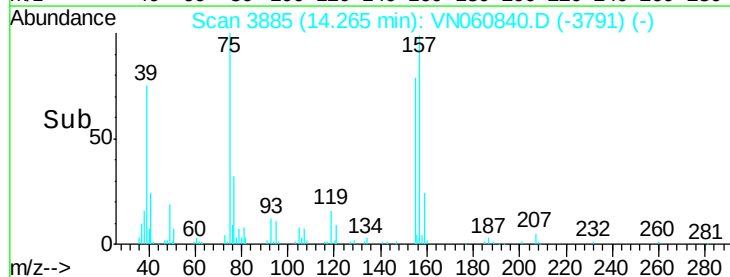
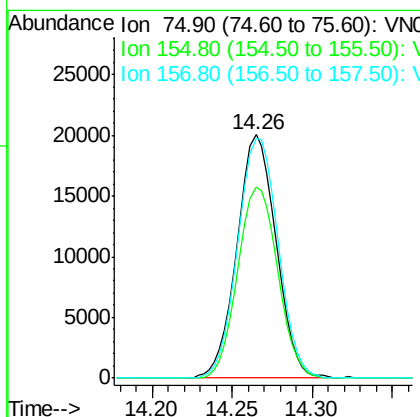
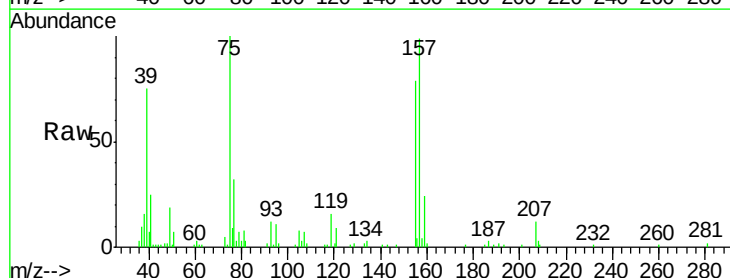
Manual Integrations
 APPROVED

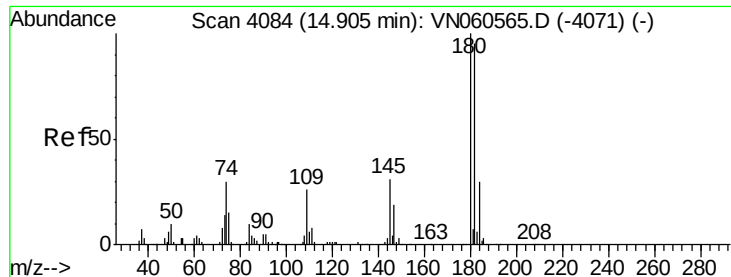
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.679 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.7	122.1
157	101.7	51.5	154.7





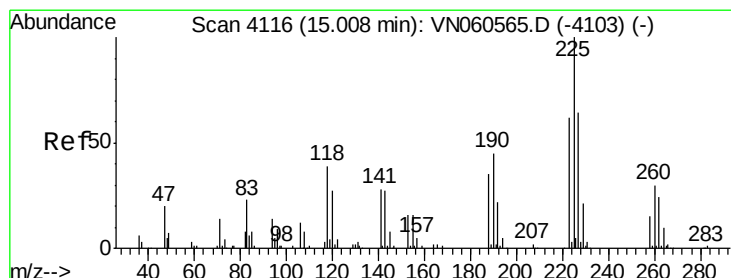
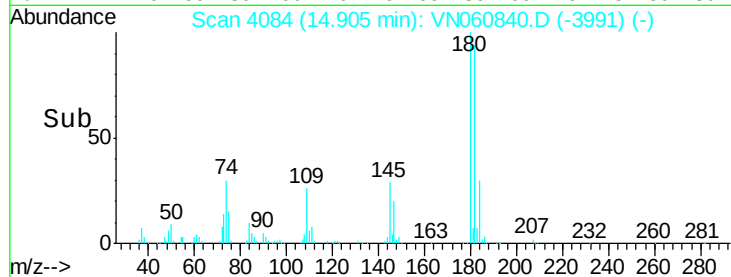
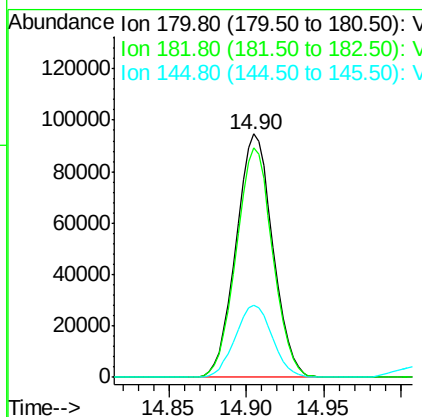
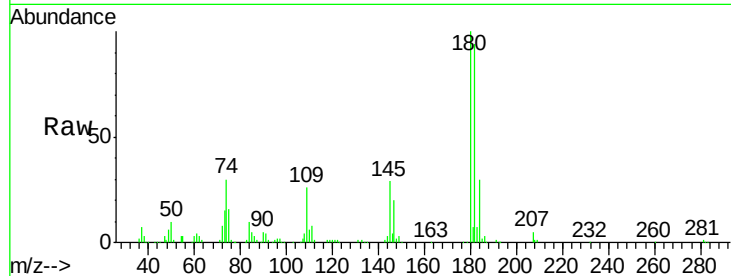
#93
 1,2,4-Trichlorobenzene
 Concen: 54.074 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155905		
182	93.5	47.9	143.8	
145	30.0	15.4	46.2	

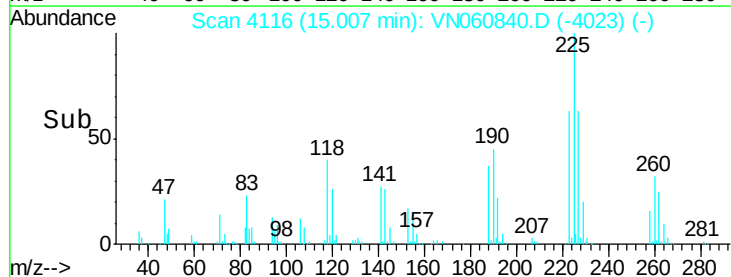
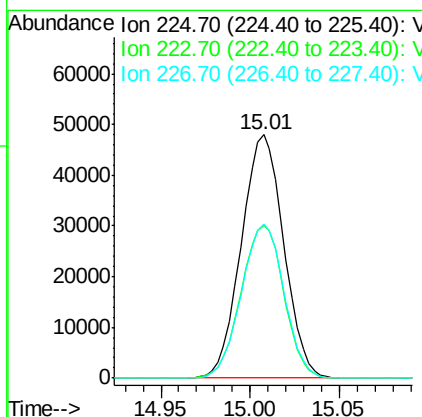
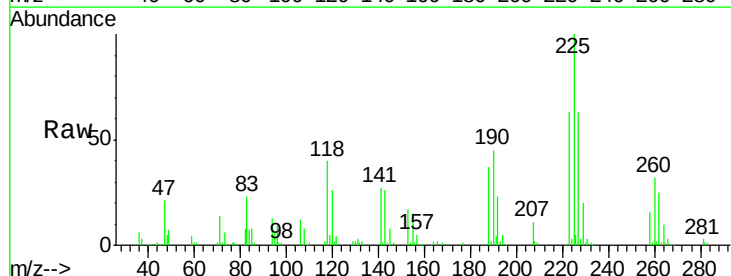
Manual Integrations
 APPROVED

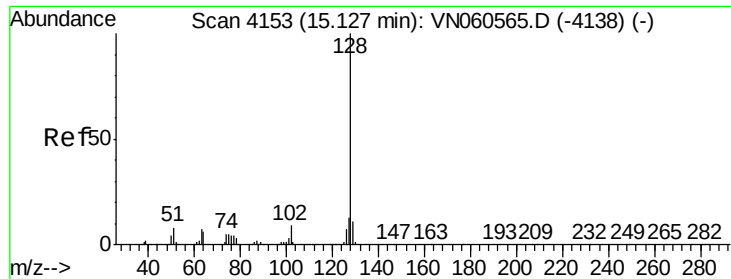
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 56.214 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060840.D
 Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79453		
223	63.4	31.6	95.0	
227	63.7	32.3	96.8	





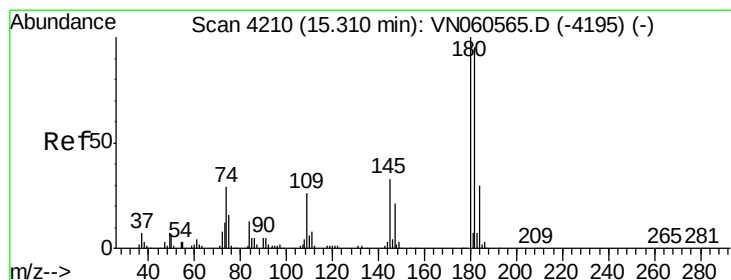
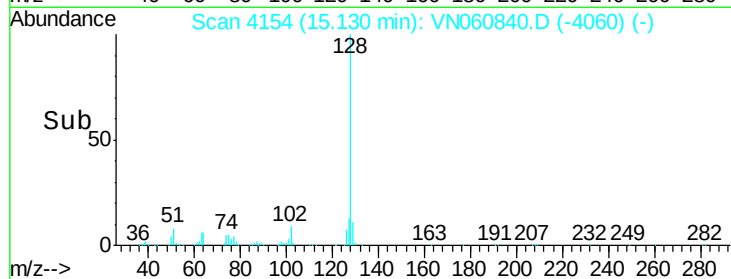
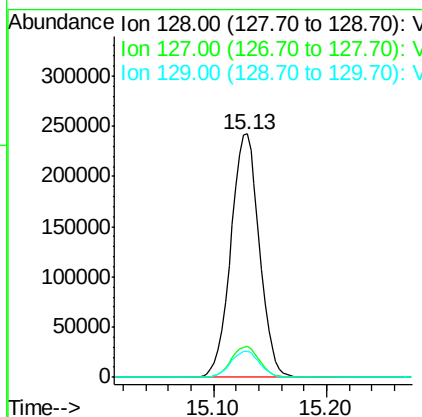
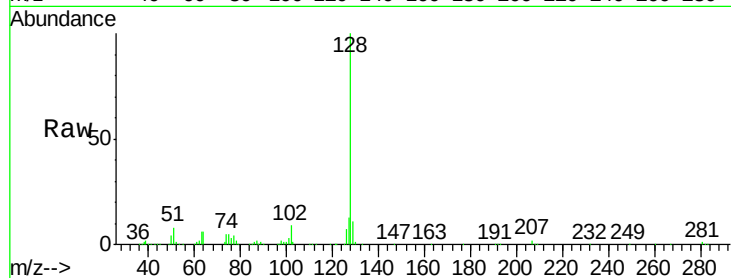
#95
Naphthalene
Concen: 48.854 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/7/2020 3:21:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.823 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060840.D
Acq: 6 Apr 2020 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	32.2	16.3	48.8

