

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
 Data File : VN061218.D
 Acq On : 30 Apr 2020 21:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/1/2020 10:55:00 AM

Quant Time: May 01 05:16:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	124974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	217496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	203645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	97218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	97537	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.55	113	61593	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	10.06	98	271203	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.38	95	101591	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	66164	49.926	ug/l	99
3) Chloromethane	2.03	50	93438	58.215	ug/l	99
4) Vinyl Chloride	2.16	62	89659	49.182	ug/l	99
5) Bromomethane	2.53	94	35242	39.108	ug/l	97
6) Chloroethane	2.67	64	50763	43.932	ug/l	96
7) Trichlorofluoromethane	2.98	101	104107	50.617	ug/l	100
8) Diethyl Ether	3.37	74	50706	59.105	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	69473	52.431	ug/l	99
10) Methyl Iodide	3.91	142	80440	47.238	ug/l	96
11) Tert butyl alcohol	4.73	59	74345	280.655	ug/l	100
12) 1,1-Dichloroethene	3.69	96	69258	52.525	ug/l	100
13) Acrolein	3.56	56	46983	266.149	ug/l	96
14) Allyl chloride	4.27	41	156784	64.128	ug/l	91
15) Acrylonitrile	4.93	53	238442	293.226	ug/l	98
16) Acetone	3.77	43	202776	265.484	ug/l	97
17) Carbon Disulfide	4.01	76	174544	47.920	ug/l	100
18) Methyl Acetate	4.27	43	130043	52.068	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	262395	52.079	ug/l	97
20) Methylene Chloride	4.50	84	81446	52.820	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	74574	51.939	ug/l	99
22) Diisopropyl ether	5.90	45	320876	56.597	ug/l	96
23) Vinyl Acetate	5.84	43	1281092	280.637	ug/l	98
24) 1,1-Dichloroethane	5.80	63	160258	54.101	ug/l	99
25) 2-Butanone	6.78	43	327348	279.752	ug/l	98
26) 2,2-Dichloropropane	6.77	77	114340	45.827	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	86054	51.072	ug/l	99
28) Bromochloromethane	7.15	49	72198	51.423	ug/l	93
29) Tetrahydrofuran	7.17	42	226033	286.761	ug/l	96
30) Chloroform	7.33	83	147118	49.009	ug/l	99
31) Cyclohexane	7.61	56	143898	50.021	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	124307	47.554	ug/l	100
36) 1,1-Dichloropropene	7.75	75	113379	52.075	ug/l	99
37) Ethyl Acetate	6.88	43	137380	53.823	ug/l	99
38) Carbon Tetrachloride	7.73	117	93510	47.207	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	123874	50.733	ug/l	98
40) Benzene	8.00	78	335858	51.778	ug/l	100
41) Methacrylonitrile	7.12	41	60818	57.388	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	120754	49.140	ug/l	99
43) Isopropyl Acetate	8.13	43	227490	53.703	ug/l	99
44) Trichloroethene	8.80	130	83112	47.398	ug/l	97
45) 1,2-Dichloropropane	9.08	63	93443	53.922	ug/l	98
46) Dibromomethane	9.17	93	54218	50.530	ug/l	97
47) Bromodichloromethane	9.37	83	115429	50.120	ug/l	99
48) Methyl methacrylate	9.17	41	103542	54.167	ug/l	98
49) 1,4-Dioxane	9.17	88	23406	1078.703	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	690683	277.002	ug/l	100
52) Toluene	10.12	92	198936	50.917	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	130377	50.241	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	140195	51.101	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	78259	50.217	ug/l	99
56) Ethyl methacrylate	10.40	69	132113	48.723	ug/l	96
57) 1,3-Dichloropropane	10.68	76	144843	52.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	350165	277.591	ug/l	97
59) 2-Hexanone	10.72	43	501618	276.524	ug/l	99
60) Dibromochloromethane	10.87	129	81402	49.873	ug/l	98
61) 1,2-Dibromoethane	10.98	107	78011	49.944	ug/l	98
64) Tetrachloroethene	10.60	164	81089	45.974	ug/l	97
65) Chlorobenzene	11.41	112	202275	50.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	73215	50.639	ug/l	99
67) Ethyl Benzene	11.48	91	384923	50.901	ug/l	100
68) m/p-Xylenes	11.60	106	279536	100.989	ug/l	97
69) o-Xylene	11.92	106	134412	50.553	ug/l	98
70) Styrene	11.94	104	230552	51.809	ug/l	99
71) Bromoform	12.10	173	54803	51.574	ug/l #	100
73) Isopropylbenzene	12.22	105	367105	51.365	ug/l	99
74) N-amyl acetate	12.04	43	197114	54.465	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	114326	51.301	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	113510m	55.381	ug/l	
77) Bromobenzene	12.50	156	83114	50.377	ug/l	97
78) n-propylbenzene	12.56	91	436039	51.437	ug/l	100
79) 2-Chlorotoluene	12.65	91	255034	51.185	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	308161	52.096	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	40585	50.285	ug/l	99
82) 4-Chlorotoluene	12.75	91	269315	51.283	ug/l	98
83) tert-Butylbenzene	12.97	119	255551	51.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	309288	50.750	ug/l	99
85) sec-Butylbenzene	13.15	105	353442	51.975	ug/l	99
86) p-Isopropyltoluene	13.26	119	314271	51.294	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	149993	49.385	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	152129	49.022	ug/l	99
89) n-Butylbenzene	13.59	91	290915	51.794	ug/l	100
90) Hexachloroethane	13.85	117	34372	53.207	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	144614	49.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	23595	50.131	ug/l	99

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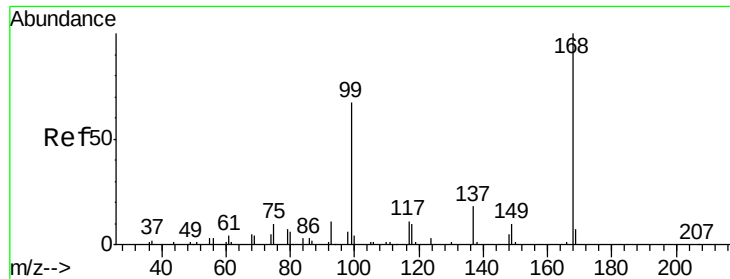
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	88997	50.185	ug/l	100
94) Hexachlorobutadiene	14.98	225	37765	50.975	ug/l	99
95) Naphthalene	15.10	128	283328	49.058	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	88296	50.430	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061218.D

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VSTDCCC050EC

Tot Ion:168 Resp: 124974

Ion Ratio Lower Upper

168 100

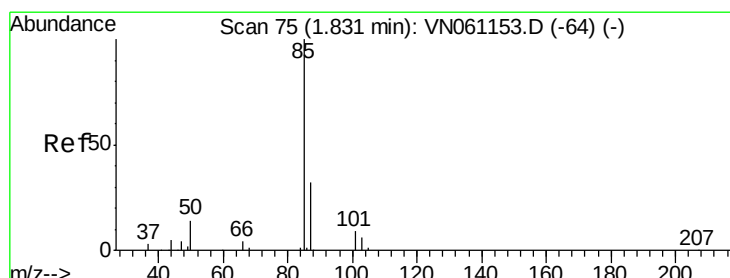
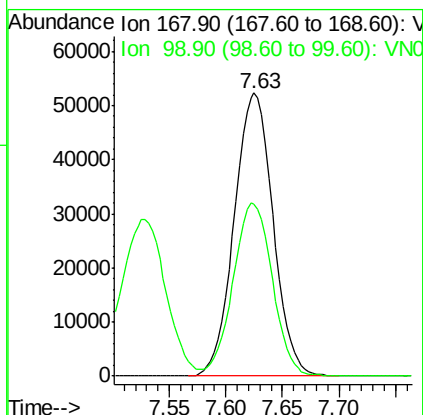
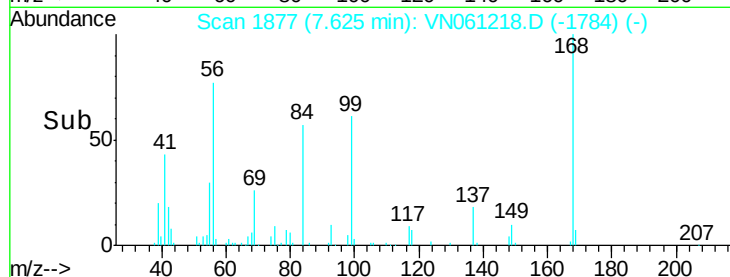
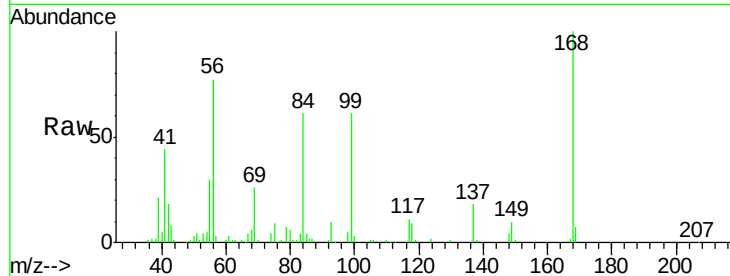
99 61.0 51.2 76.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 49.926 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061218.D

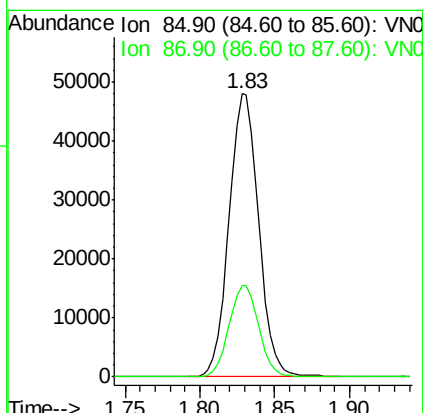
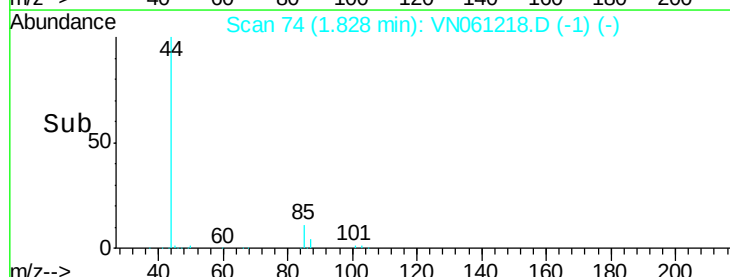
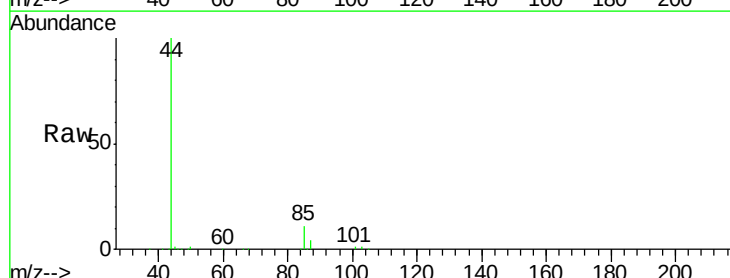
Acq: 30 Apr 2020 21:44

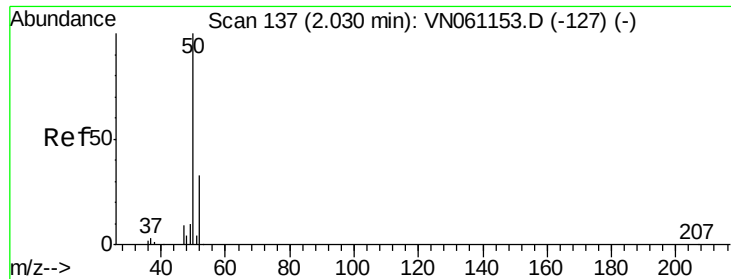
Tgt Ion: 85 Resp: 66164

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2





#3

Chloromethane

Concen: 58.215 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 93438

Ion Ratio Lower Upper

50 100

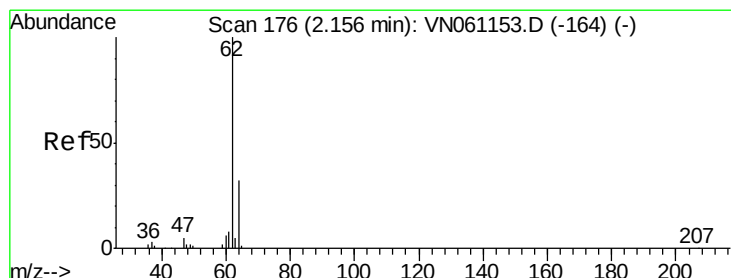
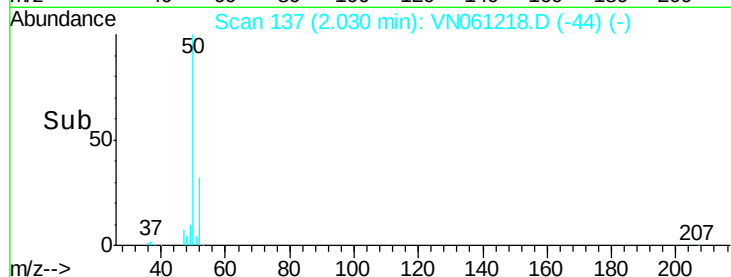
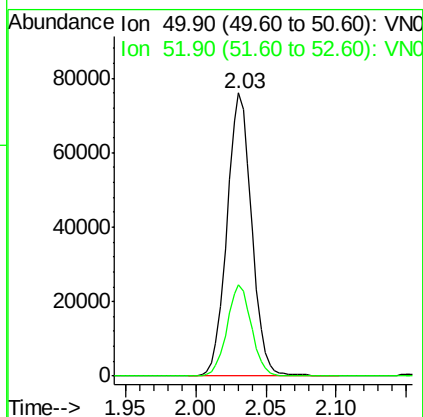
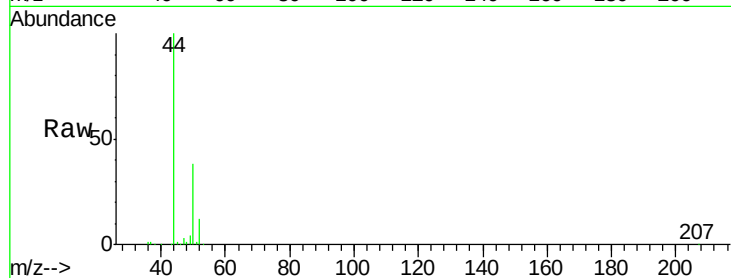
52 32.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.182 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061218.D

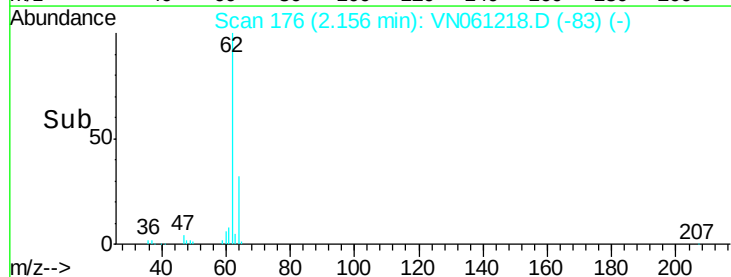
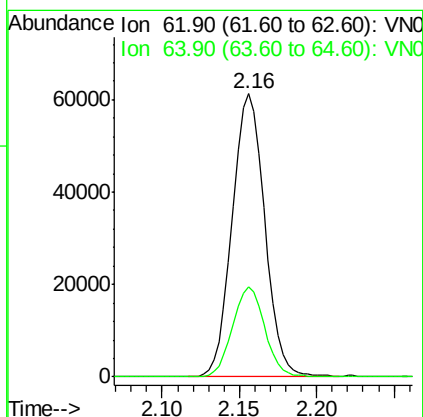
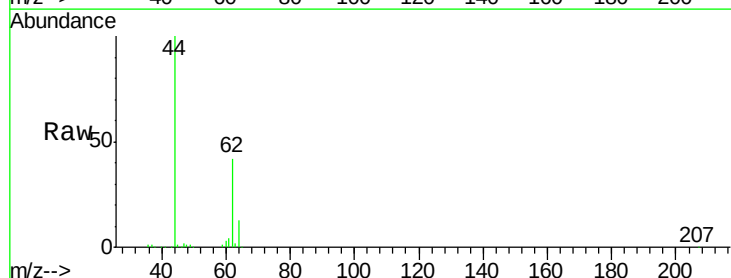
Acq: 30 Apr 2020 21:44

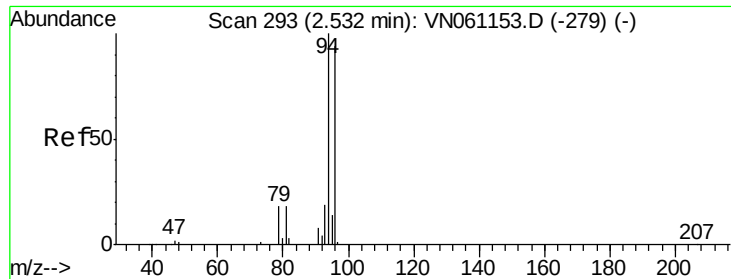
Tgt Ion: 62 Resp: 89659

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 39.108 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 35242

Ion Ratio Lower Upper

94 100

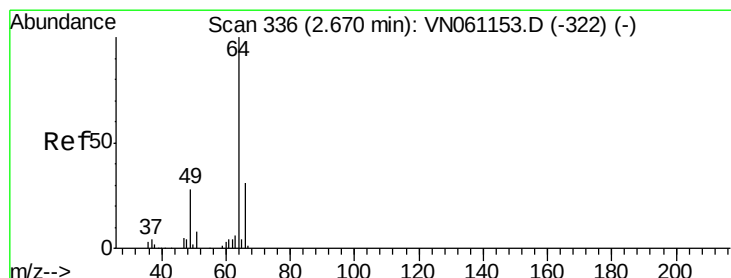
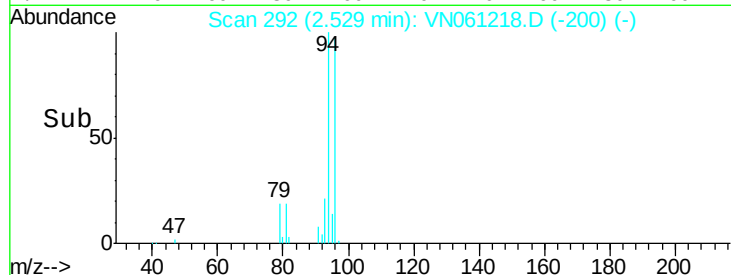
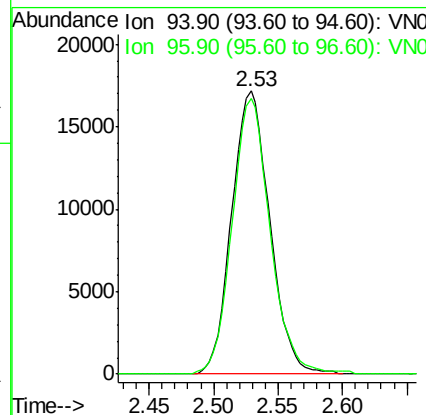
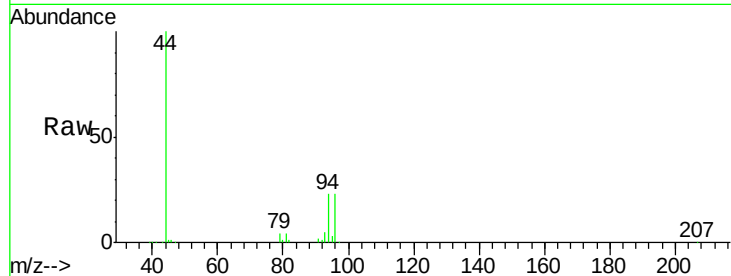
96 97.2 75.1 112.7

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#6

Chloroethane

Concen: 43.932 ug/l

RT: 2.67 min Scan# 335

Delta R.T. -0.00 min

Lab File: VN061218.D

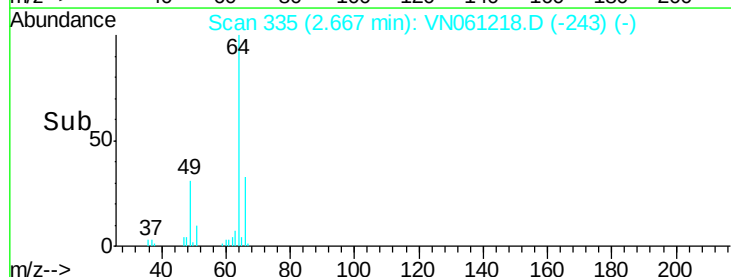
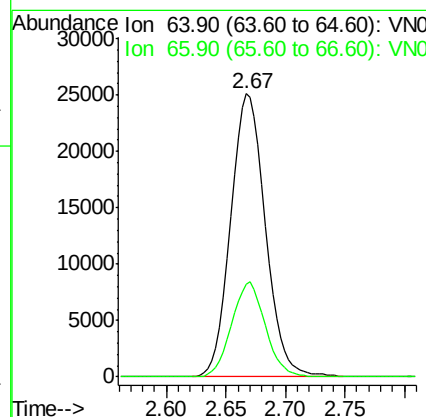
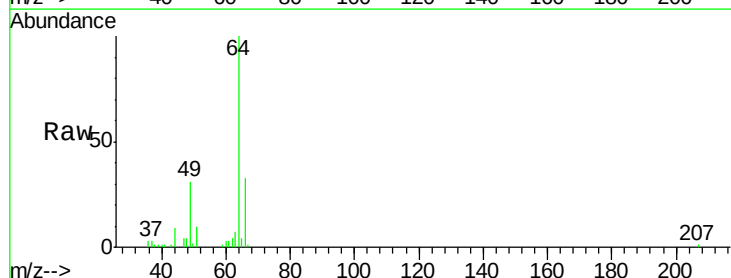
Acq: 30 Apr 2020 21:44

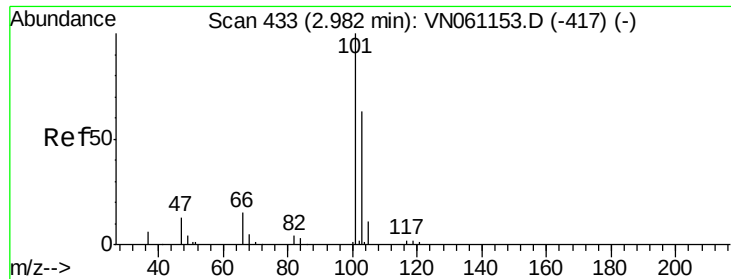
Tgt Ion: 64 Resp: 50763

Ion Ratio Lower Upper

64 100

66 32.9 24.6 36.8





#7

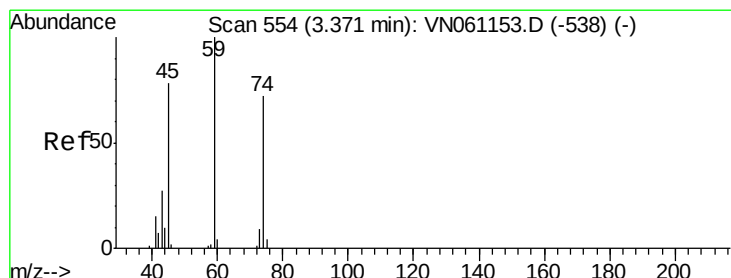
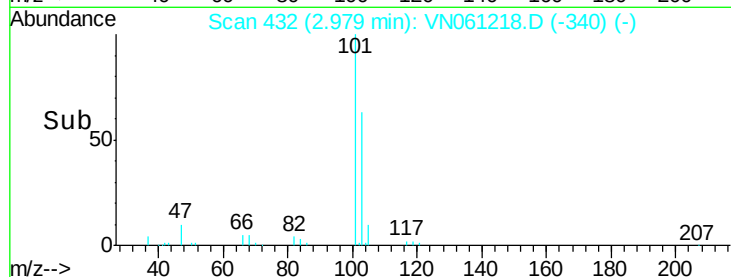
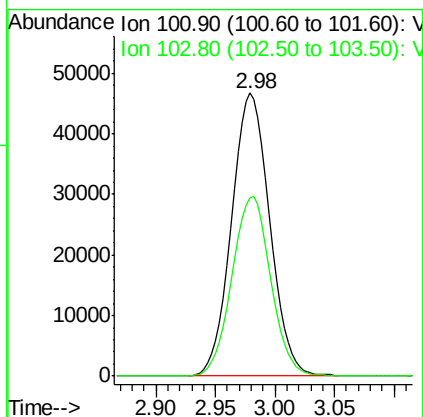
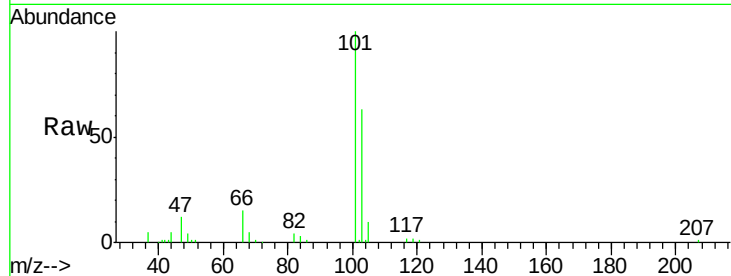
Trichlorofluoromethane
 Concen: 50.617 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.6	76.0

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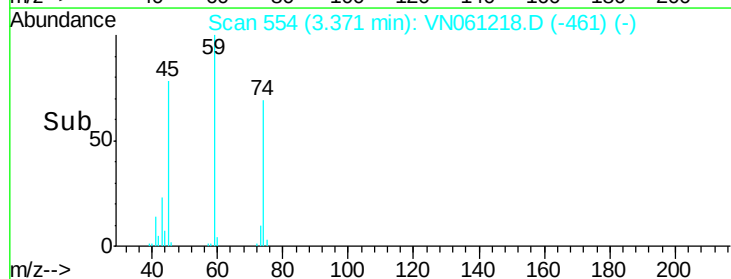
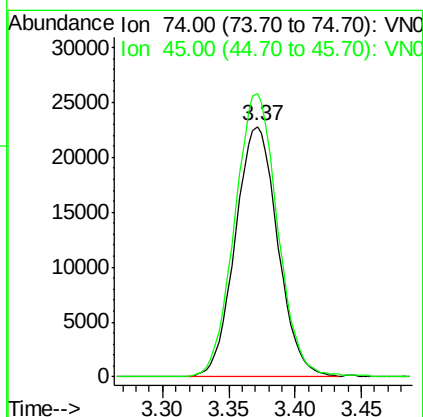
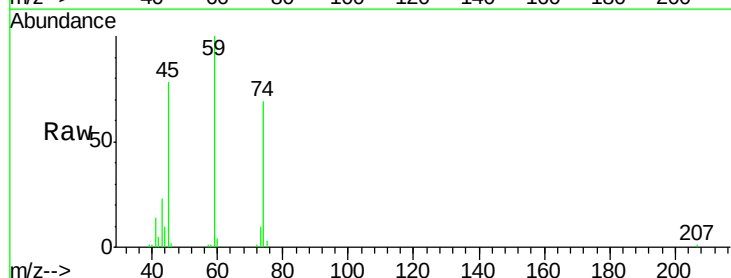
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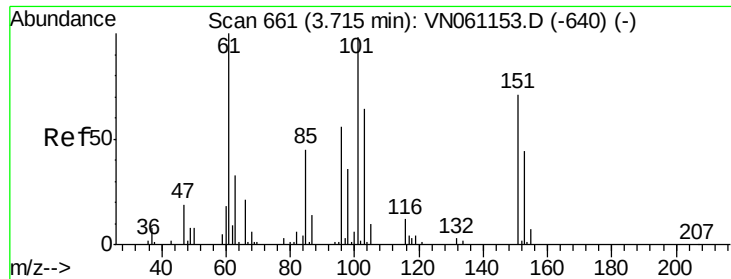


#8

Diethyl Ether
 Concen: 59.105 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.7	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.431 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

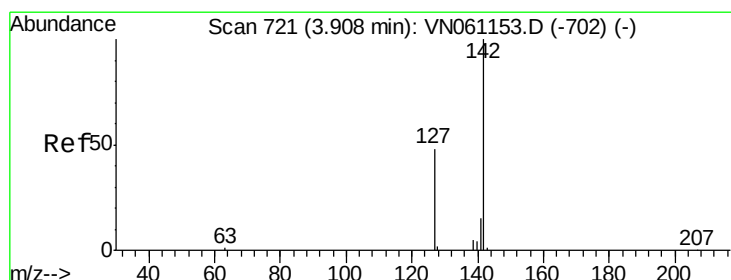
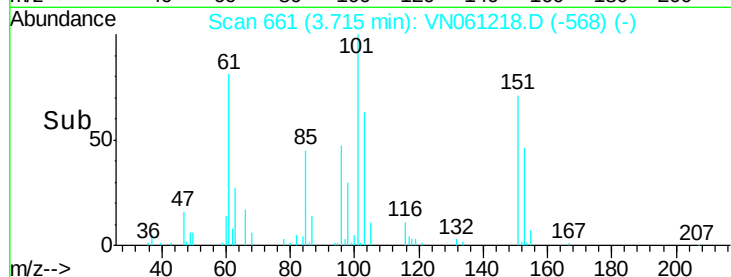
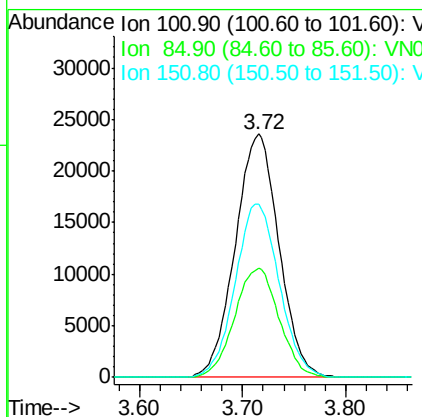
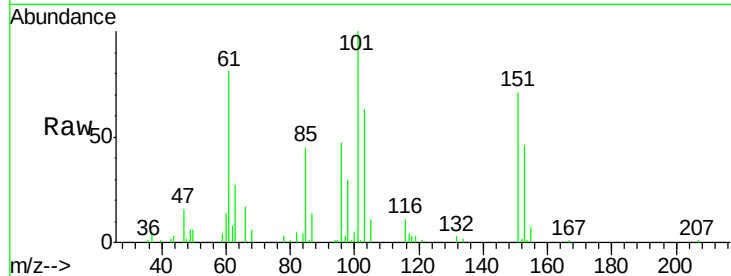
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	69473
Ion Ratio	Lower	Upper	
101	100		
85	45.5	37.2	55.8
151	71.8	57.7	86.5

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#10

Methyl Iodide

Concen: 47.238 ug/l

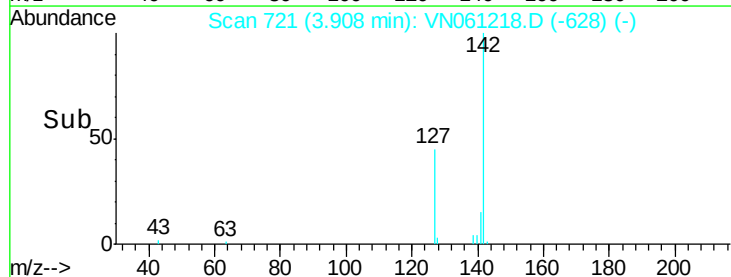
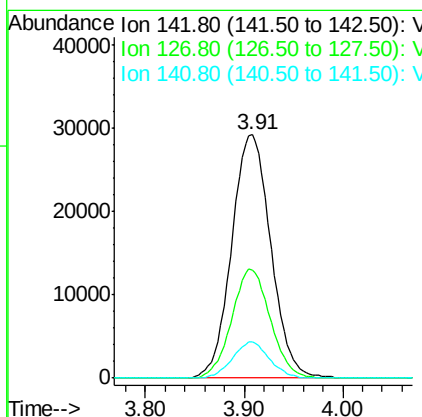
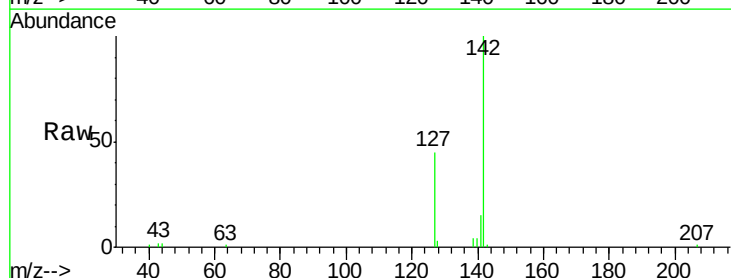
RT: 3.91 min Scan# 721

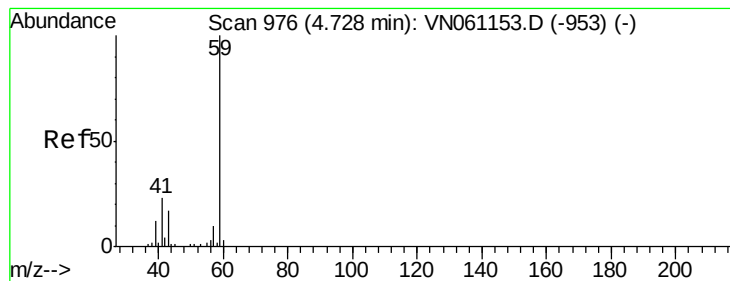
Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tgt Ion:	142	Resp:	80440
Ion Ratio	Lower	Upper	
142	100		
127	43.9	38.0	57.0
141	13.9	11.7	17.5





#11

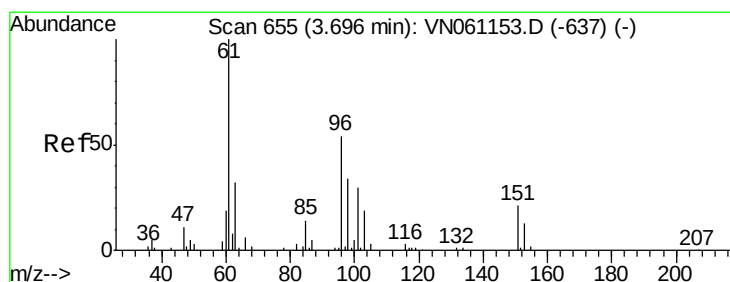
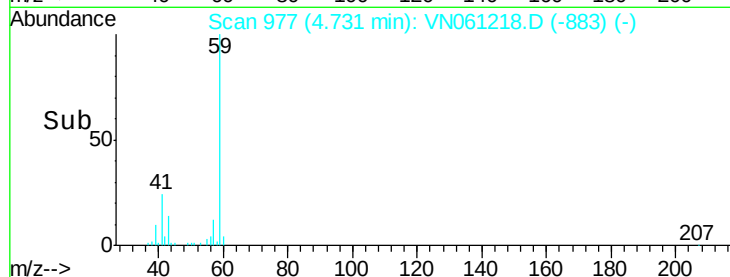
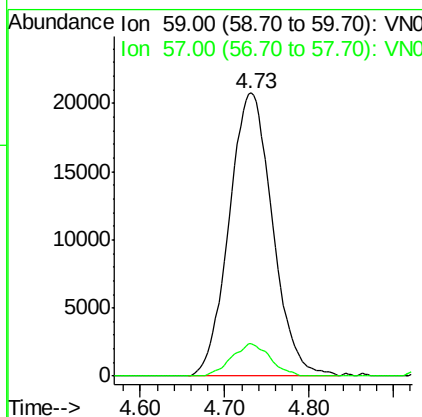
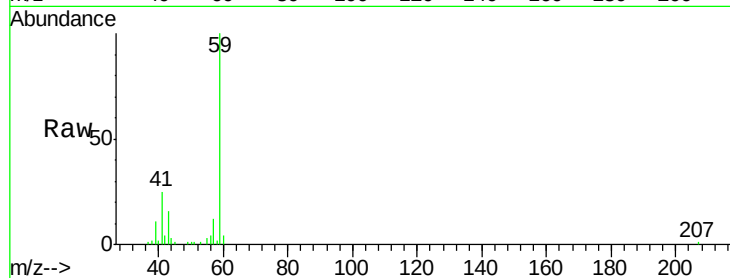
Tert butyl alcohol
 Concen: 280.655 ug/l
 RT: 4.73 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	74345
Ion Ratio	100	Lower	Upper
57	10.3	8.3	12.5

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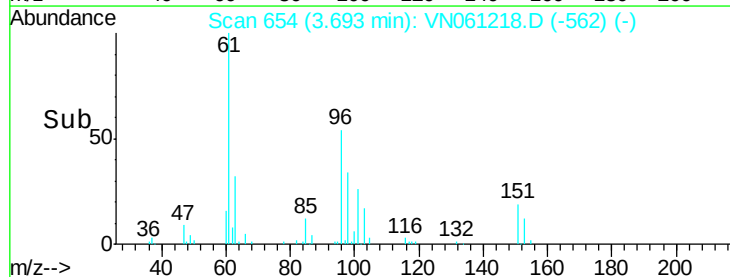
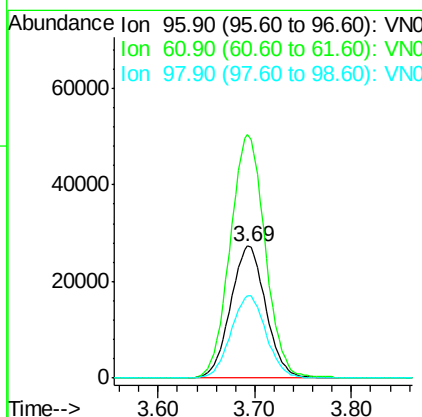
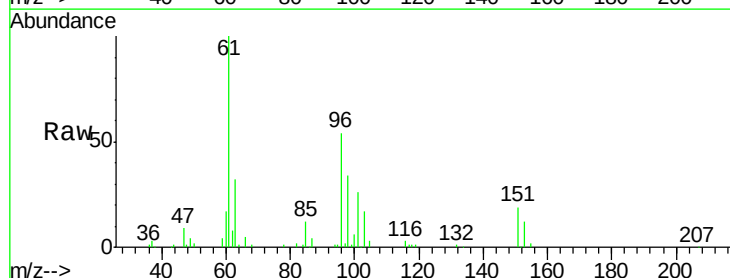
MMDadoda
 5/1/2020 10:55:00 AM

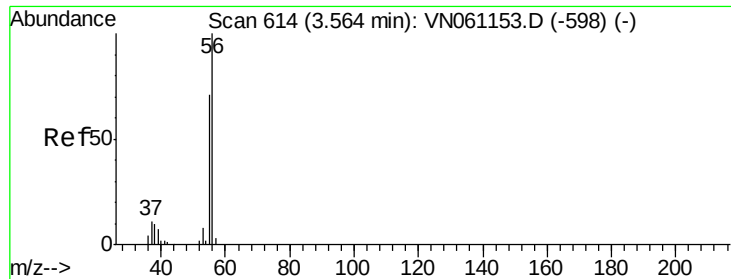


#12

1,1-Dichloroethene
 Concen: 52.525 ug/l
 RT: 3.69 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	96	Resp	69258
Ion Ratio	100	Lower	Upper
61	184.3	147.0	220.6
98	62.2	49.8	74.6





#13

Acrolein

Concen: 266.149 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46983

Ion Ratio Lower Upper

56 100

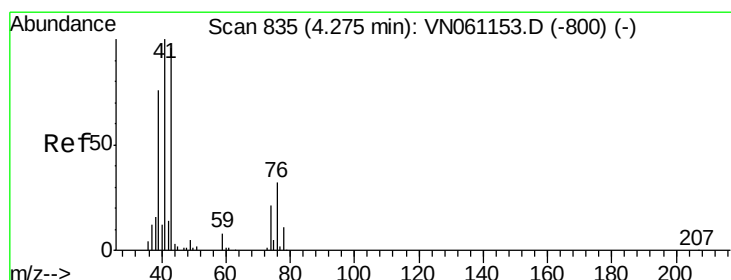
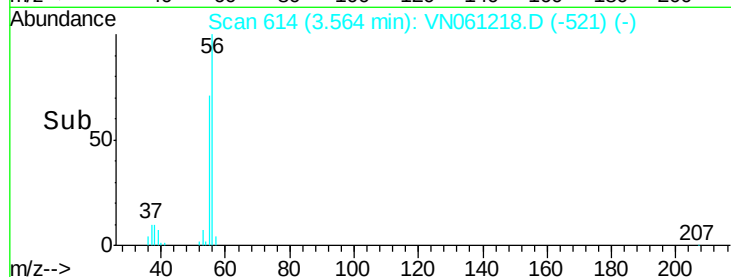
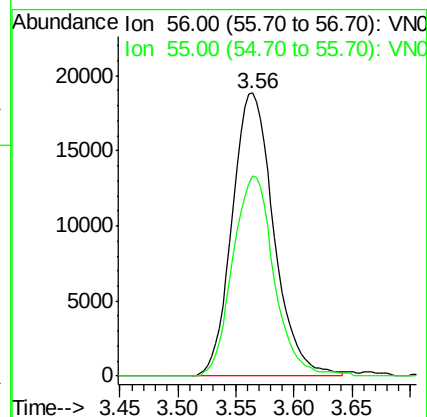
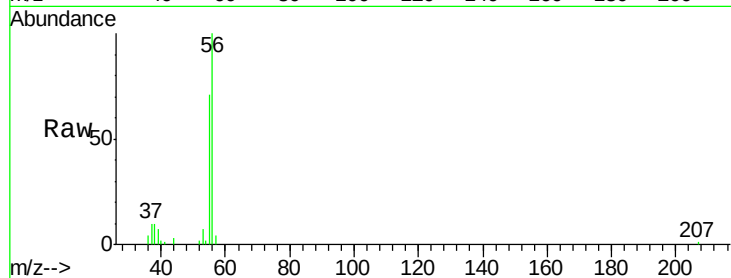
55 69.5 58.5 87.7

Manual Integrations

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#14

Allyl chloride

Concen: 64.128 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

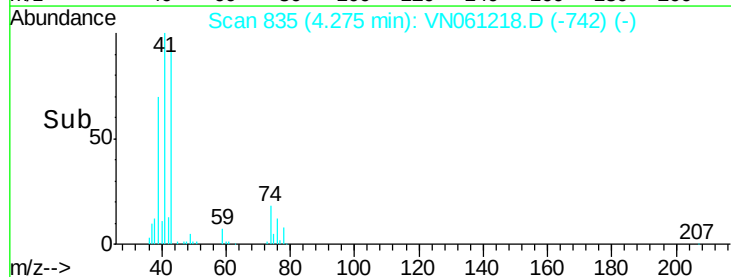
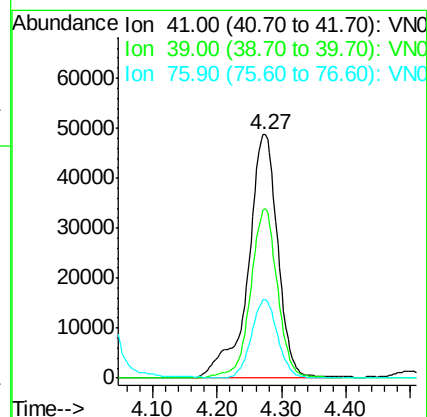
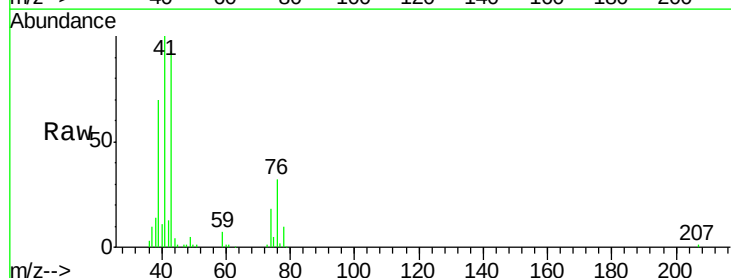
Tgt Ion: 41 Resp: 156784

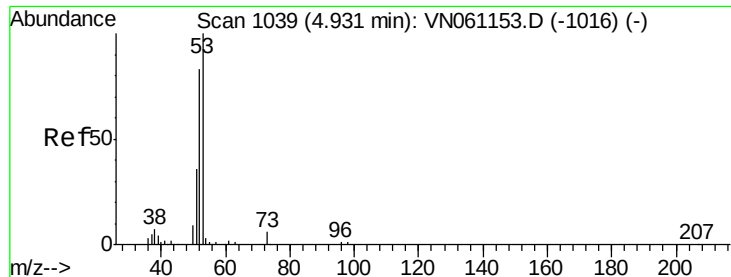
Ion Ratio Lower Upper

41 100

39 62.6 57.1 85.7

76 28.3 24.3 36.5





#15

Acrylonitrile

Concen: 293.226 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

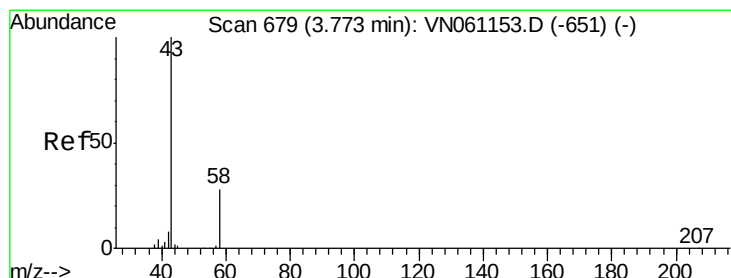
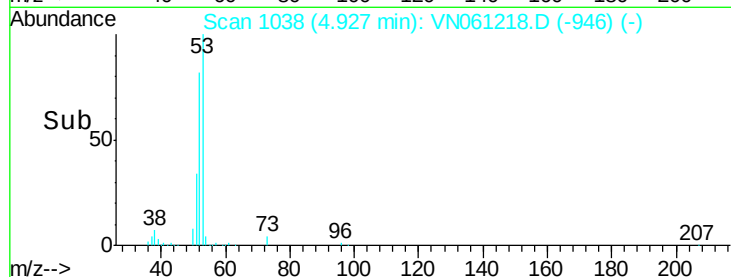
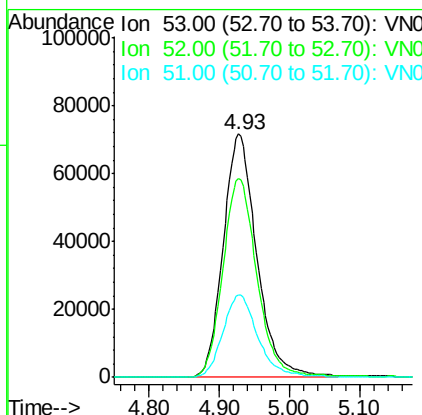
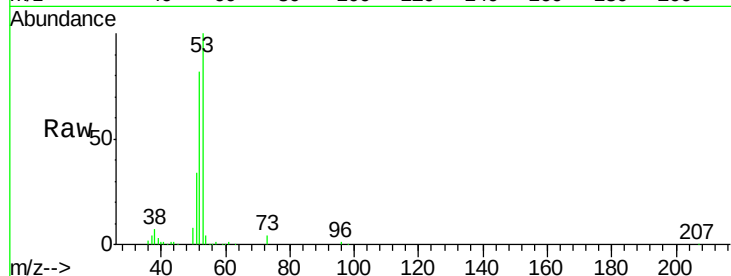
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	238442
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.4	98.0
51	35.3	29.5	44.3

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5/1/2020 10:55:00 AM



#16

Acetone

Concen: 265.484 ug/l

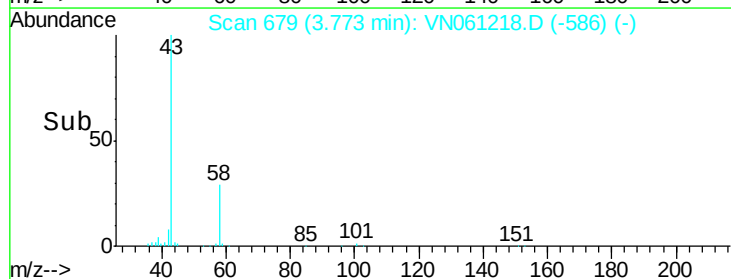
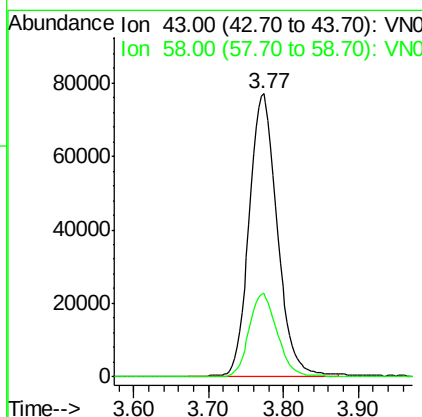
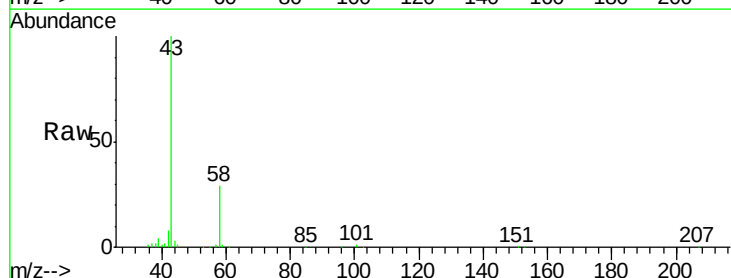
RT: 3.77 min Scan# 679

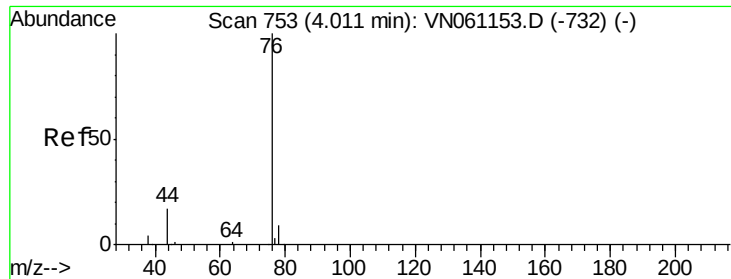
Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tgt Ion:	43	Resp:	202776
Ion Ratio	Lower	Upper	
43	100		
58	29.4	22.2	33.2





#17

Carbon Disulfide

Concen: 47.920 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 174544

Ion Ratio Lower Upper

76 100

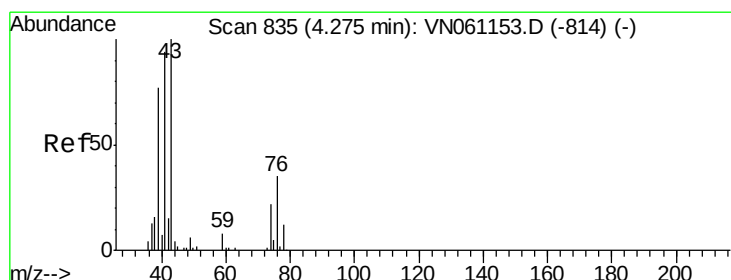
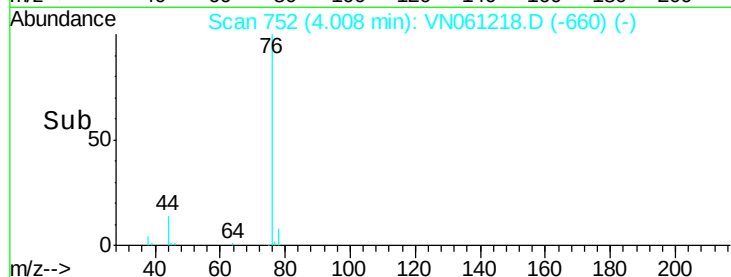
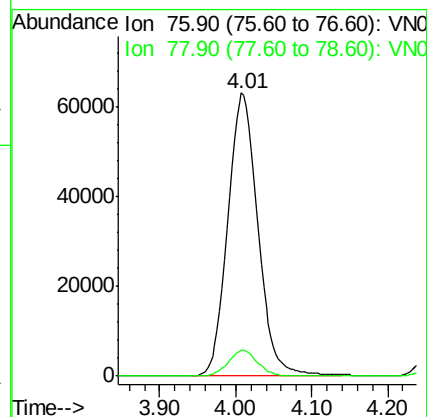
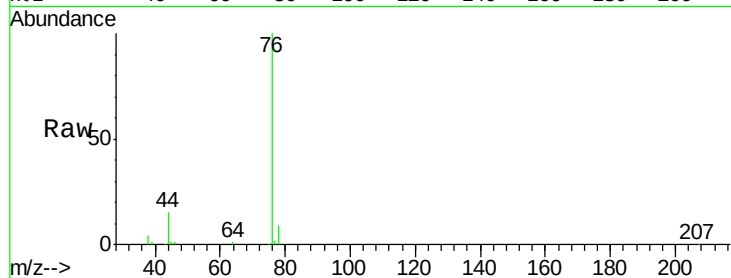
78 9.1 7.2 10.8

Manual Integrations

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5/1/2020 10:55:00 AM



#18

Methyl Acetate

Concen: 52.068 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061218.D

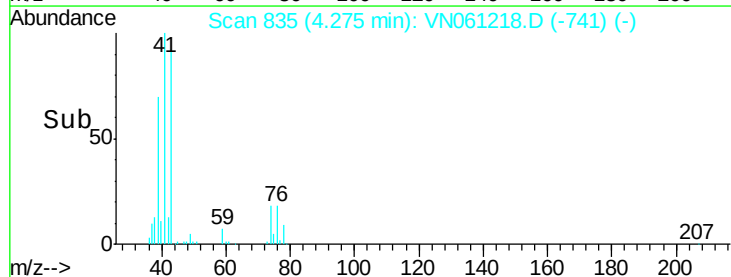
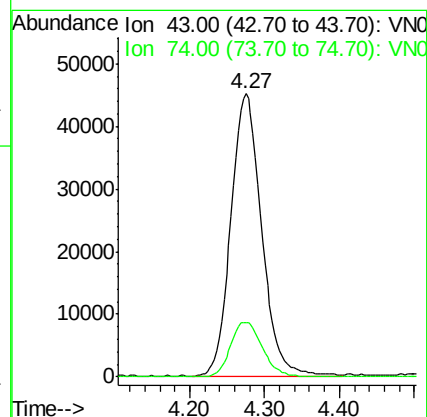
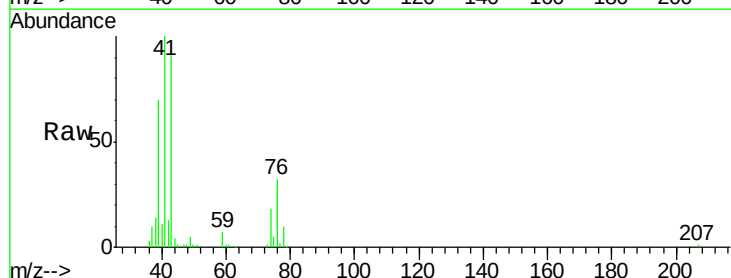
Acq: 30 Apr 2020 21:44

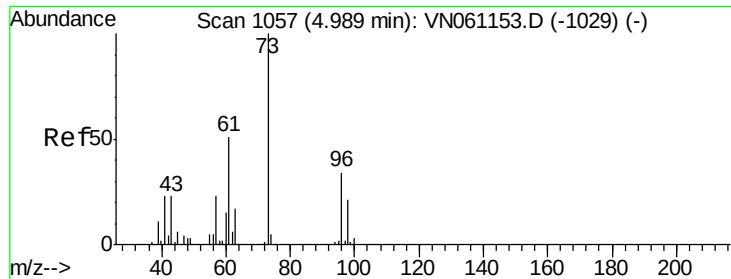
Tgt Ion: 43 Resp: 130043

Ion Ratio Lower Upper

43 100

74 19.8 17.0 25.4





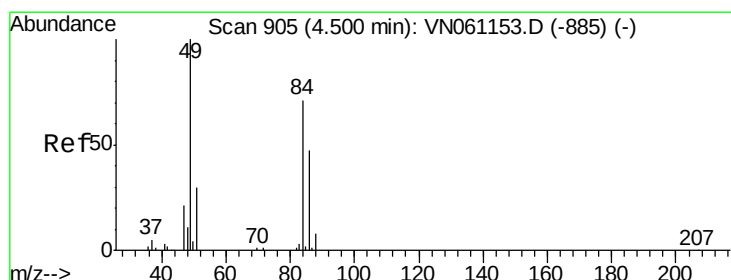
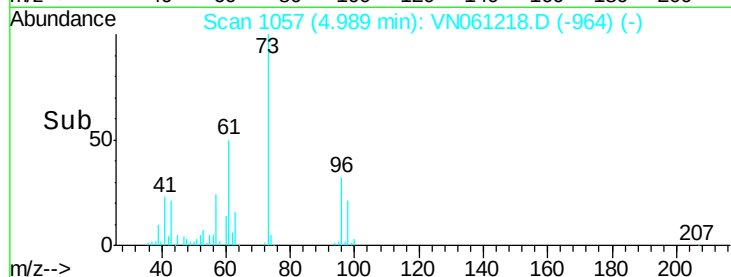
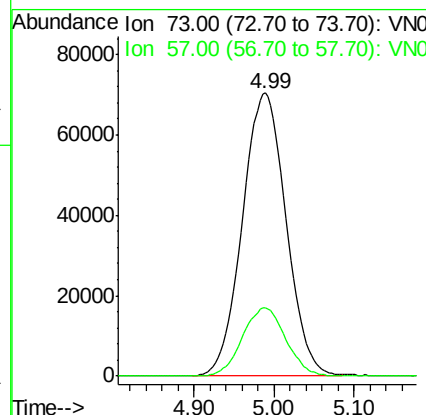
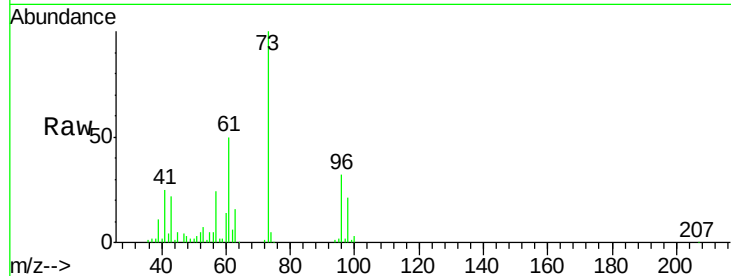
#19
Methvl tert-butvl Ether
Concen: 52.079 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 262395
Ion Ratio Lower Upper
73 100
57 24.3 18.3 27.5

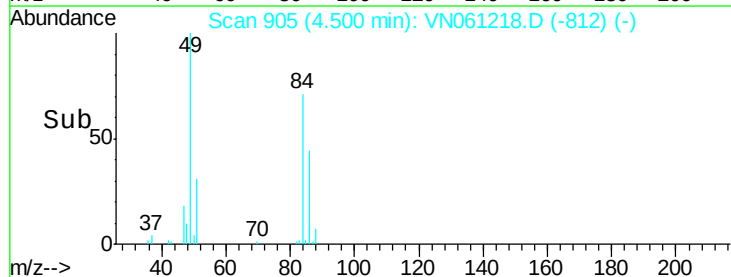
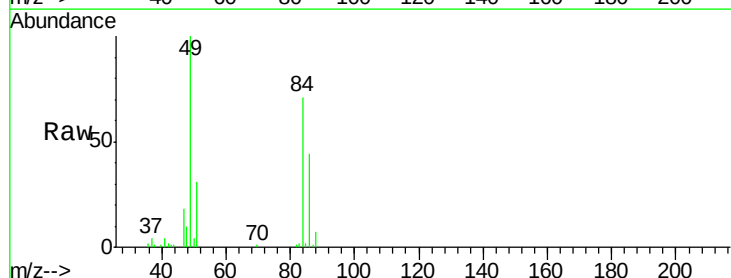
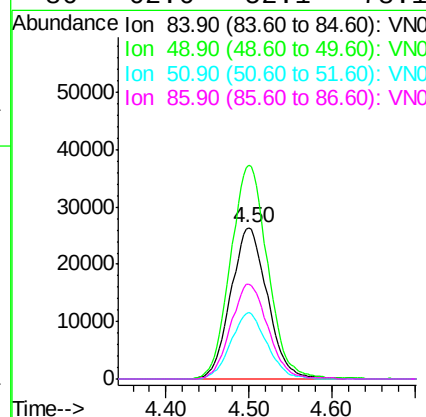
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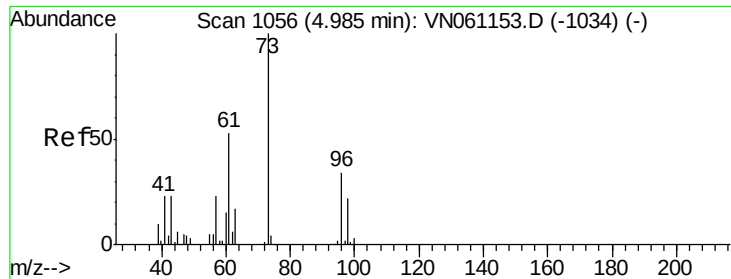
MMDadoda
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#20
Methylene Chloride
Concen: 52.820 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion: 84 Resp: 81446
Ion Ratio Lower Upper
84 100
49 141.0 112.0 168.0
51 43.6 33.6 50.4
86 62.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 51.939 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 74574

Ion Ratio Lower Upper

96 100

61 153.4 123.0 184.4

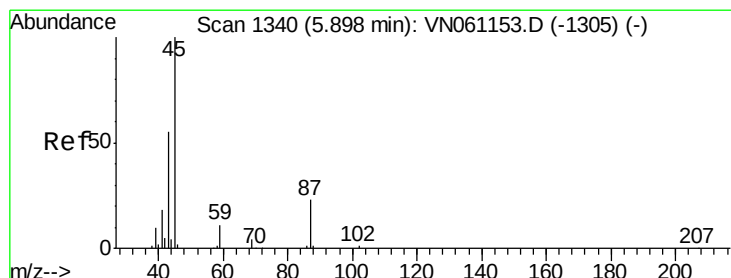
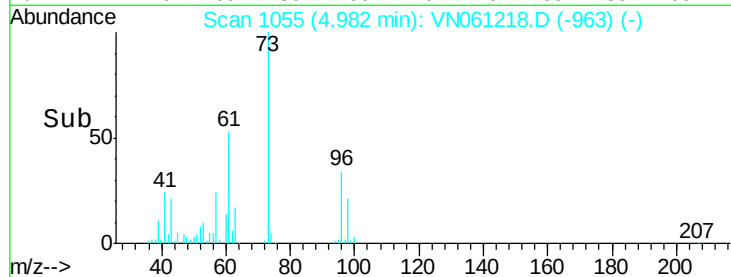
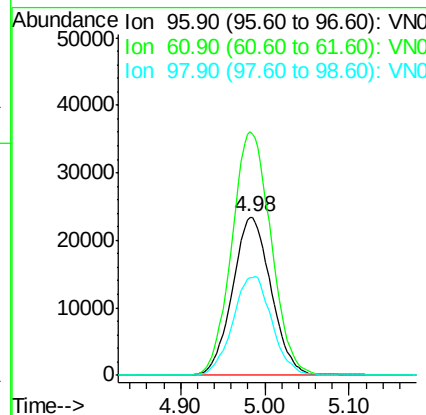
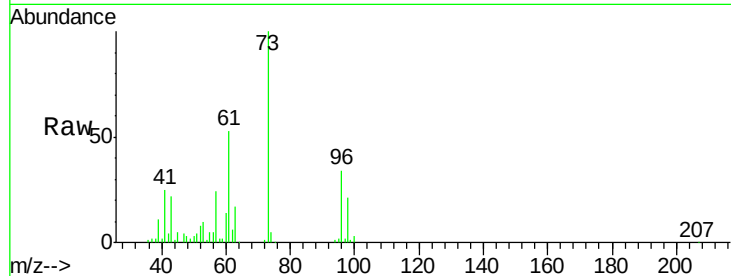
98 61.7 50.1 75.1

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5/1/2020 10:55:00 AM



#22

Diisopropyl ether

Concen: 56.597 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tgt Ion: 45 Resp: 320876

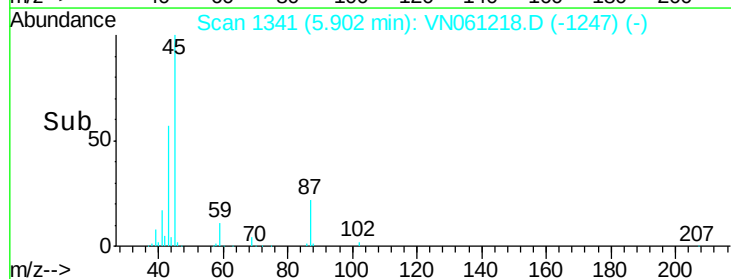
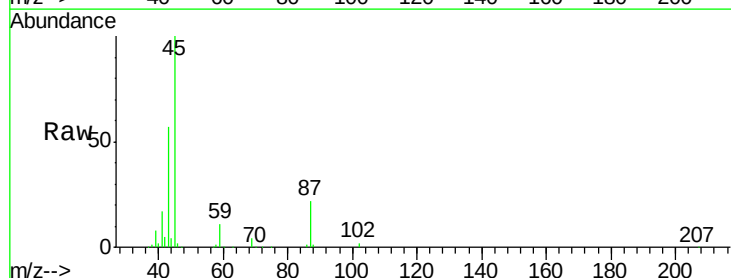
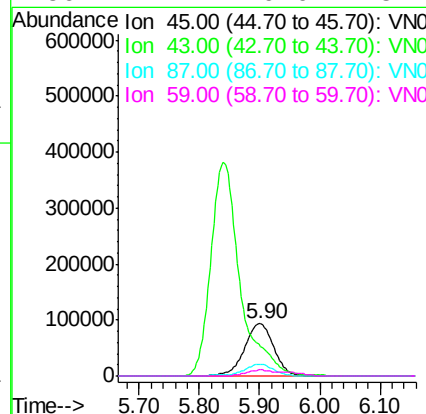
Ion Ratio Lower Upper

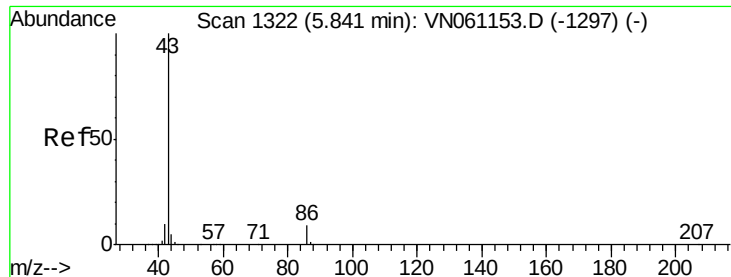
45 100

43 56.3 47.9 71.9

87 22.3 19.2 28.8

59 11.4 9.0 13.4





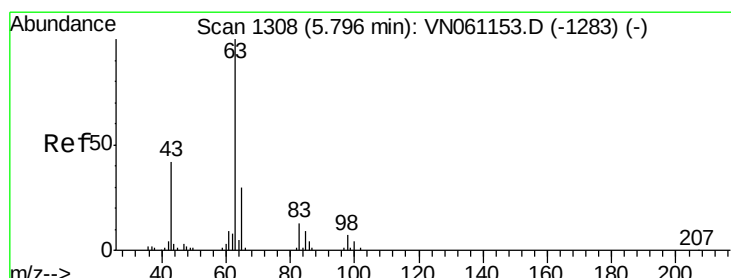
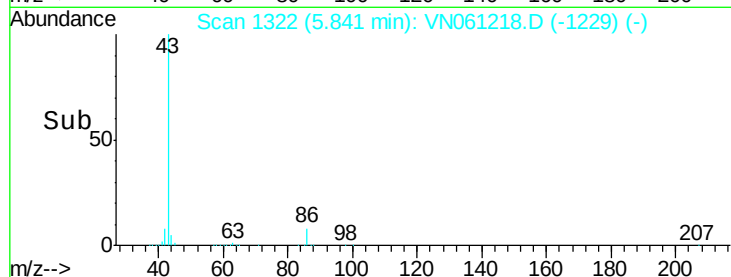
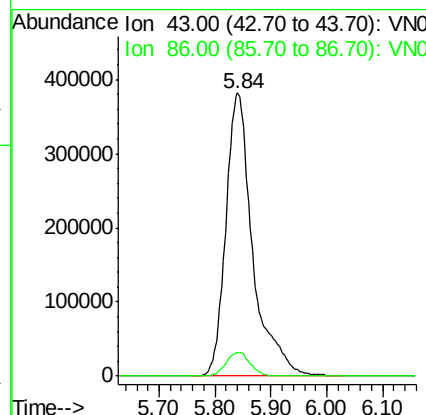
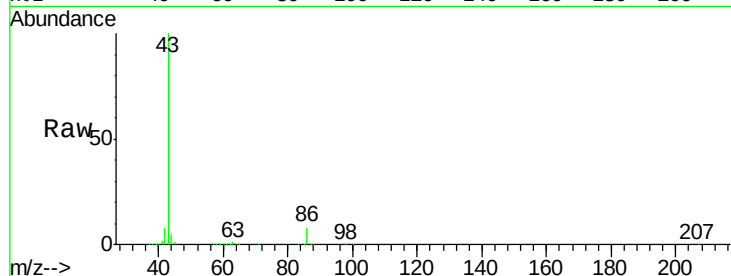
#23
Vinyl Acetate
Concen: 280.637 ug/l
RT: 5.84 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1281092
Ion Ratio Lower Upper
43 100
86 8.4 7.2 10.8

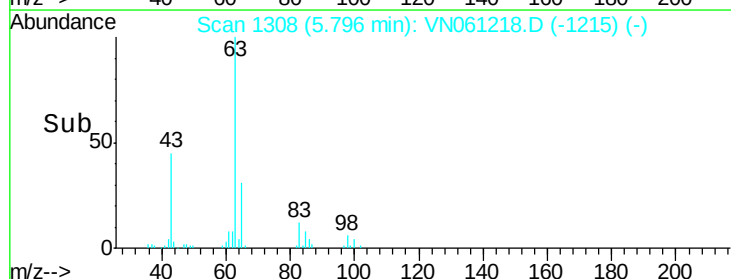
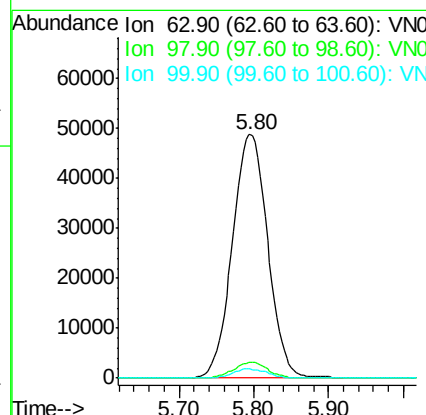
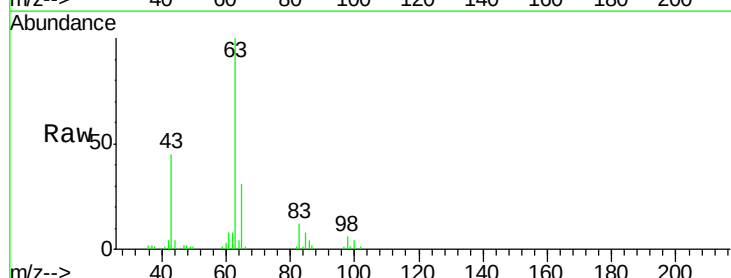
Manual Integrations
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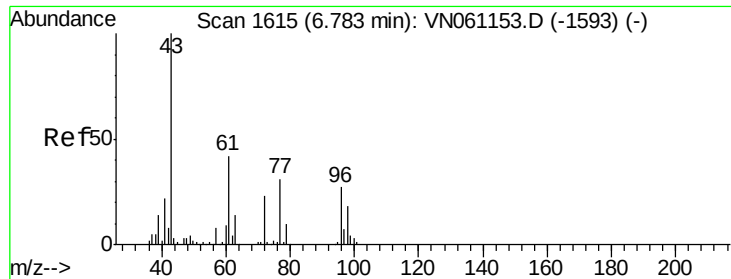
MMDadoda
5/1/2020 10:55:00 AM



#24
1,1-Dichloroethane
Concen: 54.101 ug/l
RT: 5.80 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion: 63 Resp: 160258
Ion Ratio Lower Upper
63 100
98 6.4 3.3 9.9
100 3.6 1.9 5.7





#25

2-Butanone

Concen: 279.752 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tot Ion: 43 Resp: 327348

Ion Ratio Lower Upper

43 100

72 22.0 18.2 27.4

Instrument :

MSVOA_N

ClientSampleId :

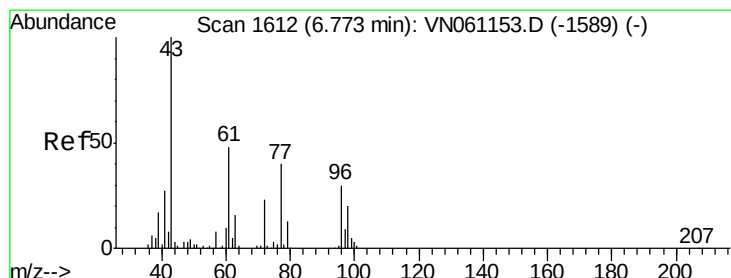
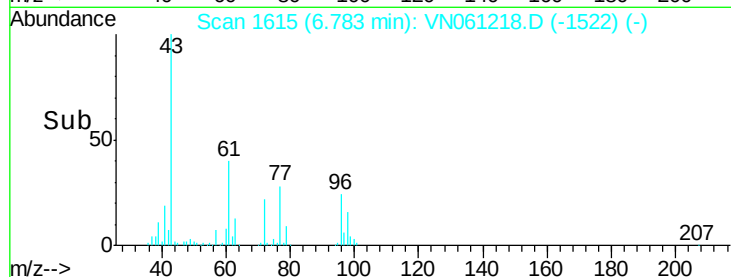
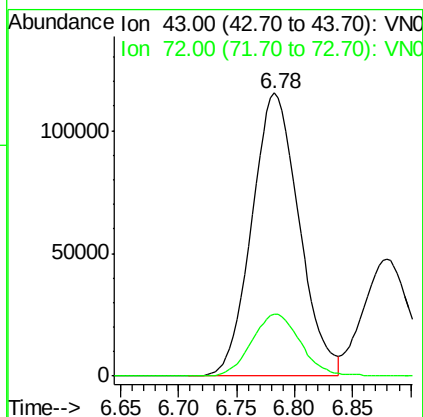
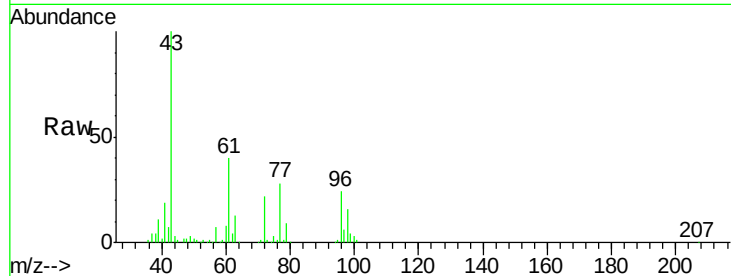
VSTDCCC050EC

Manual Integrations

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MMDadoda

5/1/2020 10:55:00 AM



#26

2,2-Dichloropropane

Concen: 45.827 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VN061218.D

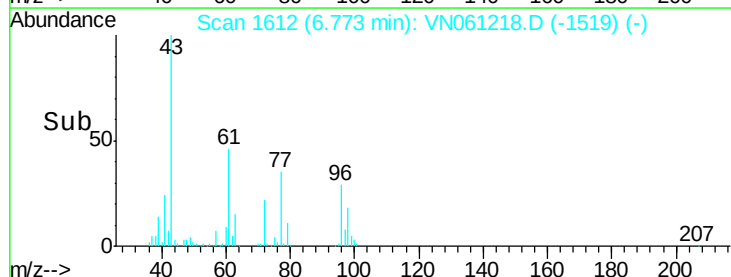
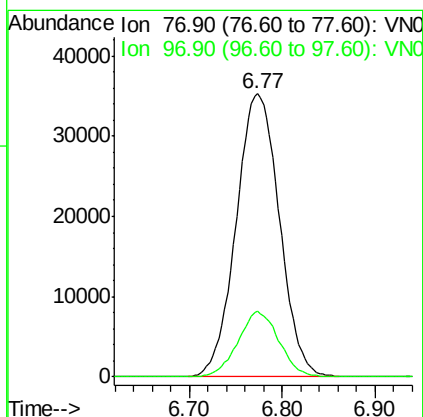
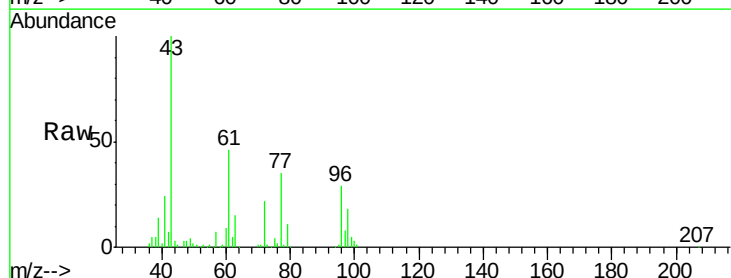
Acq: 30 Apr 2020 21:44

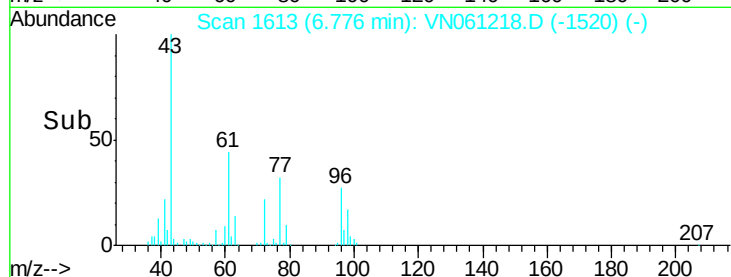
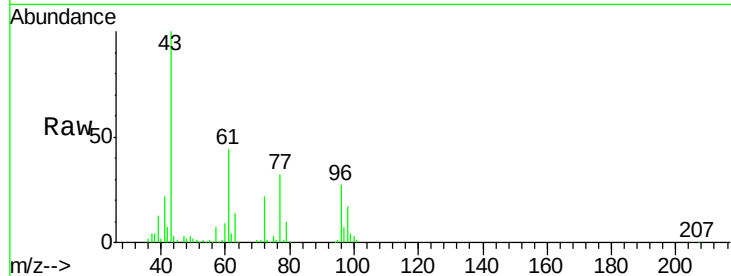
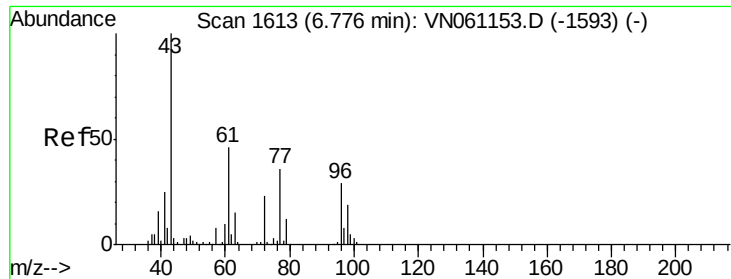
Tgt Ion: 77 Resp: 114340

Ion Ratio Lower Upper

77 100

97 21.9 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 51.072 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061218.D

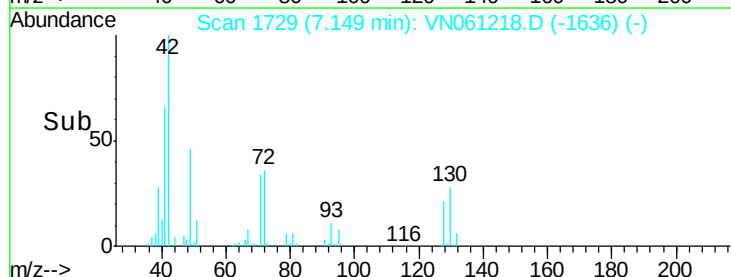
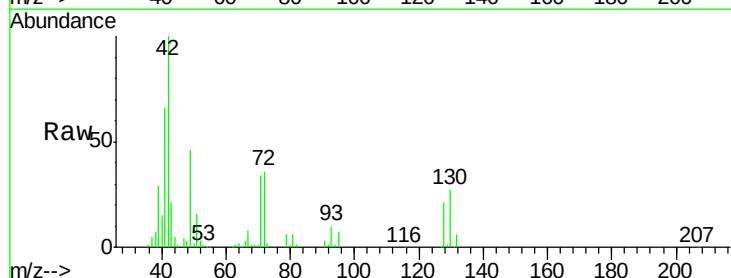
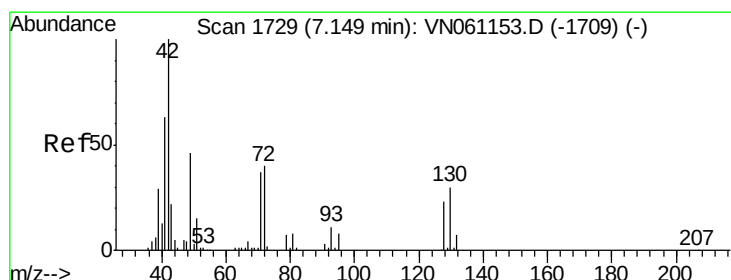
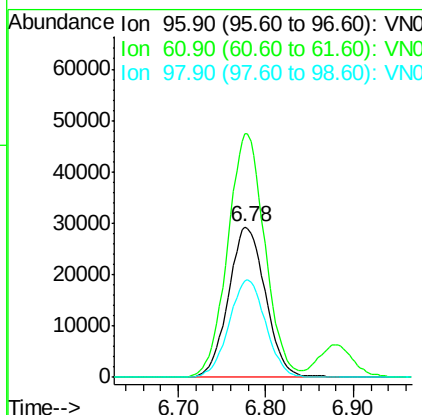
Acq: 30 Apr 2020 21:44

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.7	0.0	322.0	
98	64.1	0.0	129.6	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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MMDadoda
5/1/2020 10:55:00 AM



#28

Bromochloromethane

Concen: 51.423 ug/l

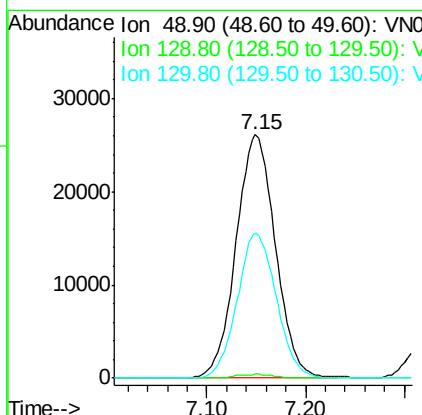
RT: 7.15 min Scan# 1729

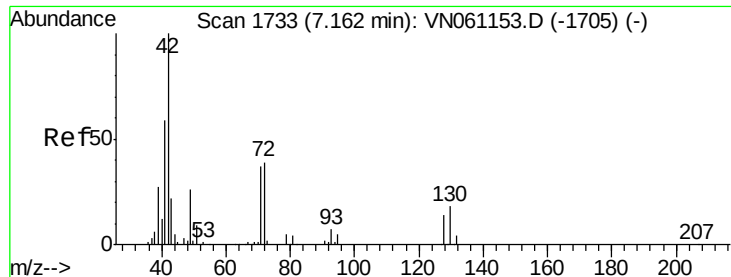
Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	3.0	
130	59.0	51.4	77.2	





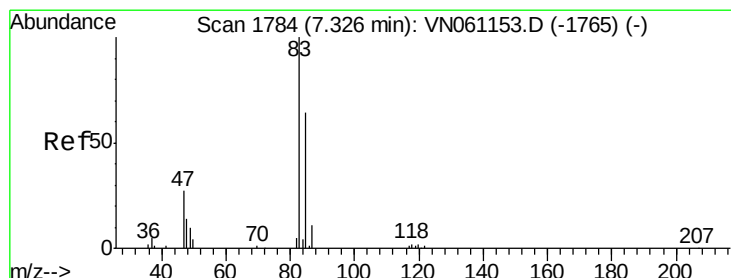
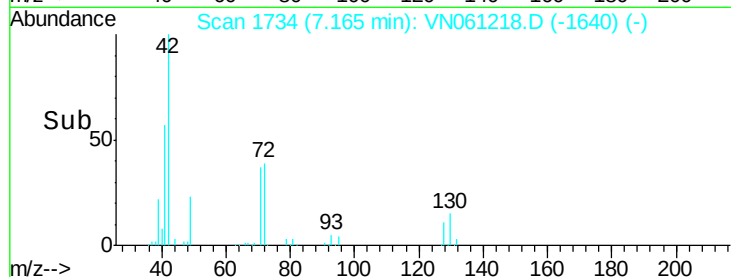
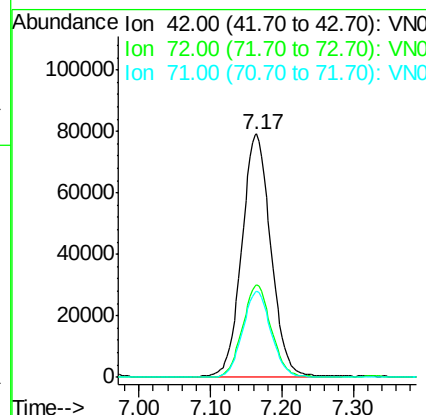
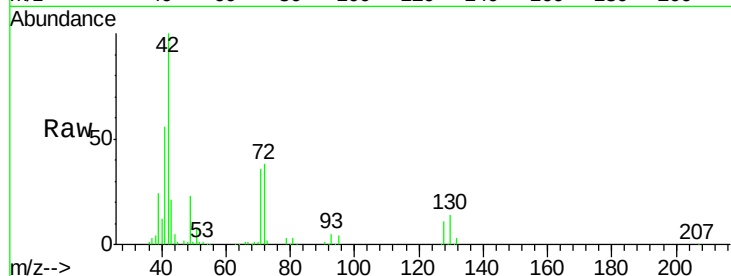
#29
Tetrahydrofuran
Concen: 286.761 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	31.4	47.0
71	34.3	29.5	44.3

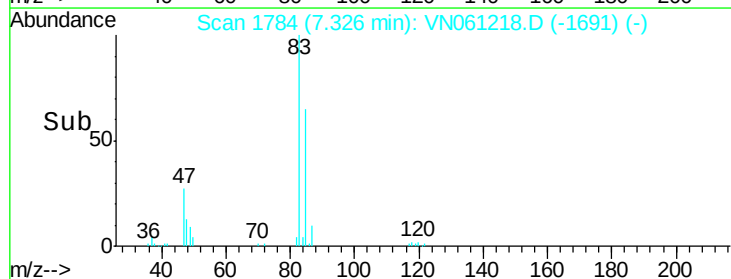
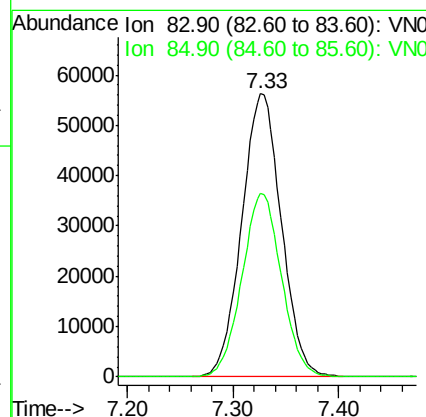
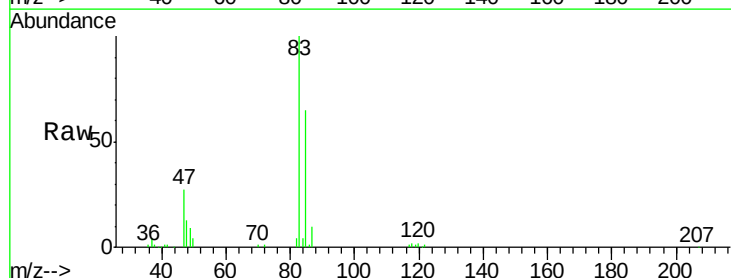
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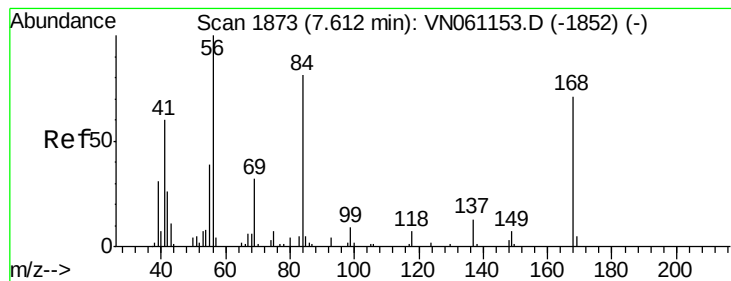
MMDadoda
5/1/2020 10:55:00 AM



#30
Chloroform
Concen: 49.009 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7





#31

Cyclohexane

Concen: 50.021 ug/l

RT: 7.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 143898

Ion Ratio Lower Upper

56 100

69 31.2 25.7 38.5

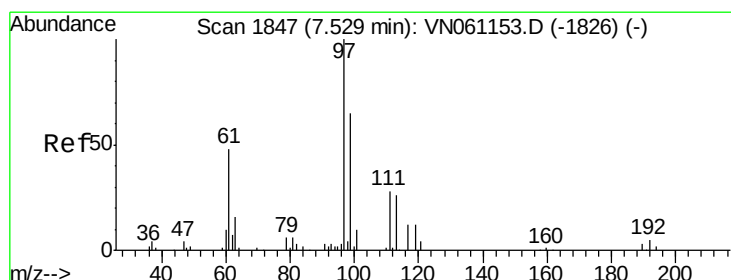
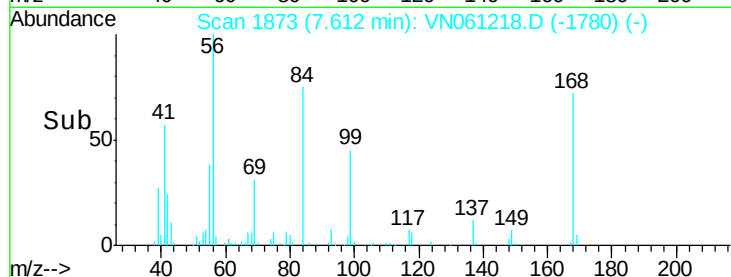
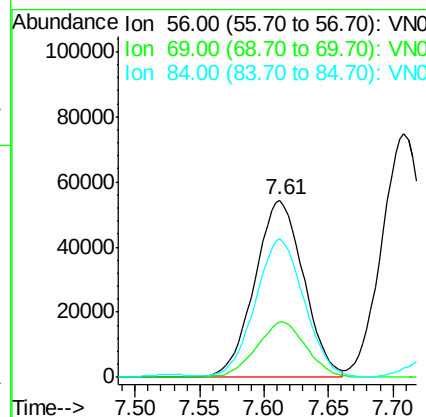
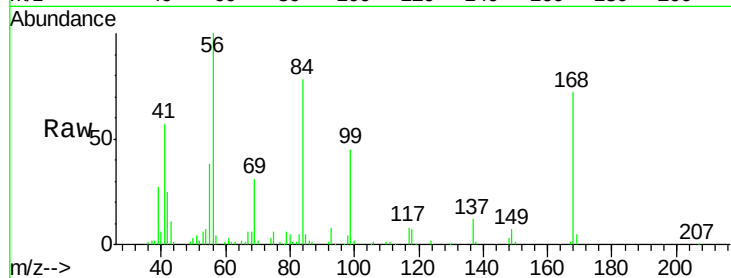
84 77.1 64.6 97.0

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5/1/2020 10:55:00 AM



#32

1,1,1-Trichloroethane

Concen: 47.554 ug/l

RT: 7.53 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

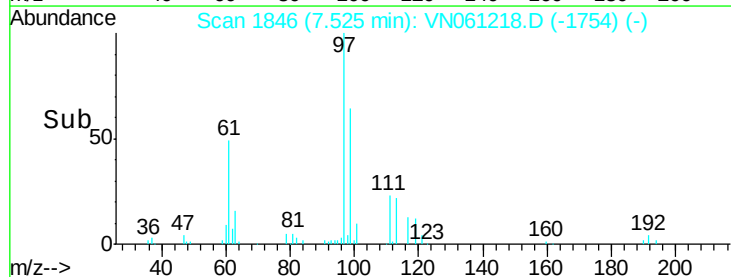
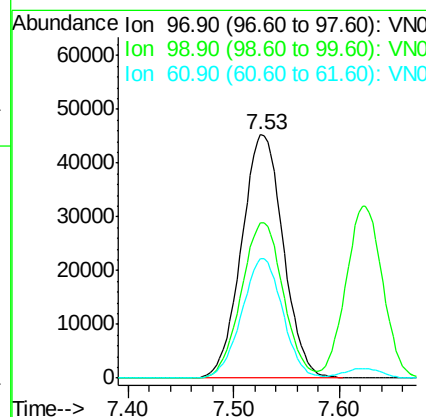
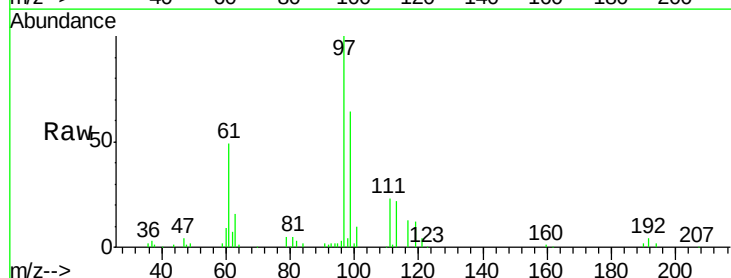
Tgt Ion: 97 Resp: 124307

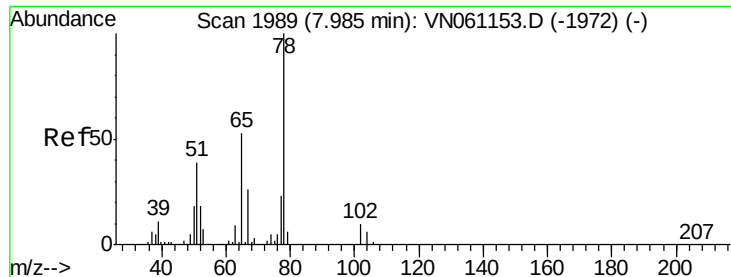
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 48.2 38.6 57.8





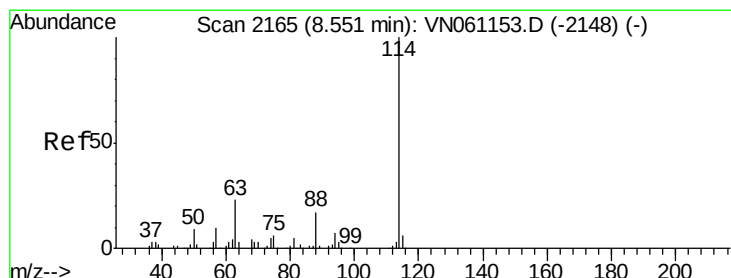
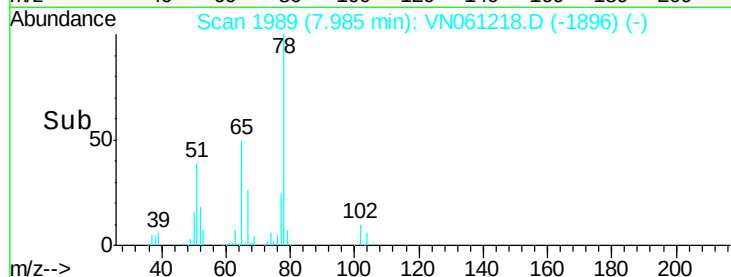
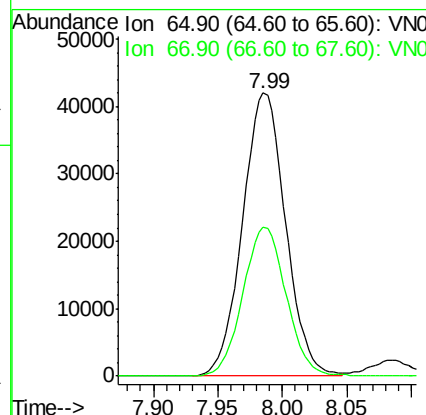
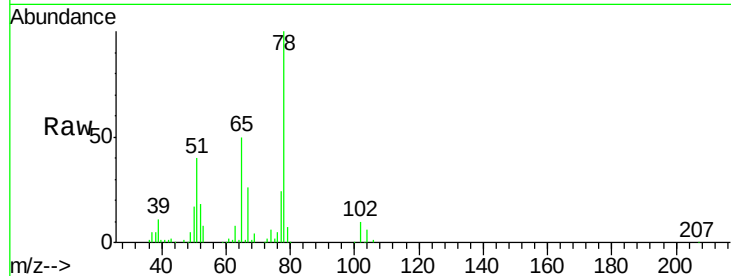
#33
 1,2-Dichloroethane-d4
 Concen: 49.324 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	97537		
67	53.0	0.0	101.6	

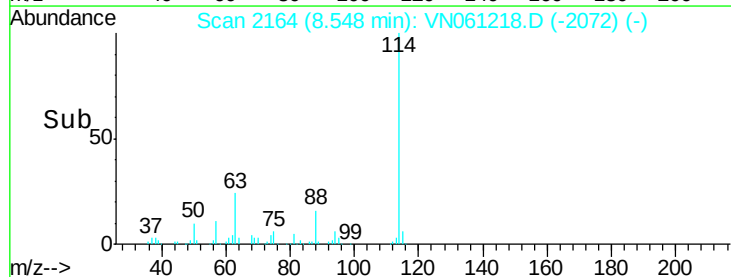
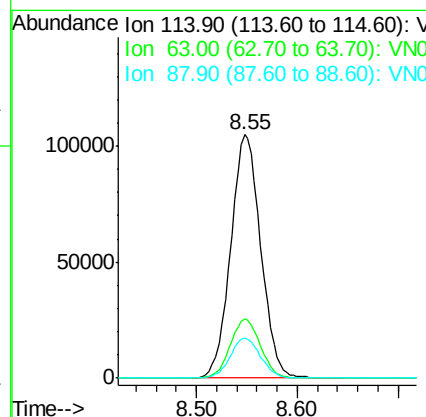
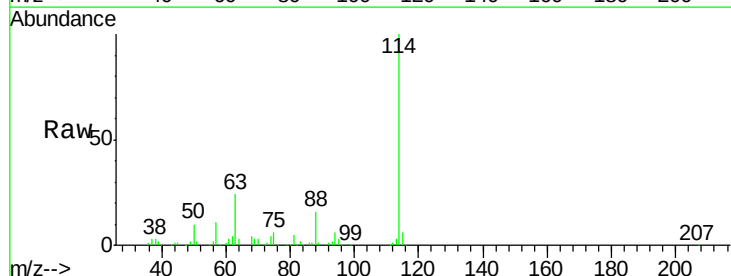
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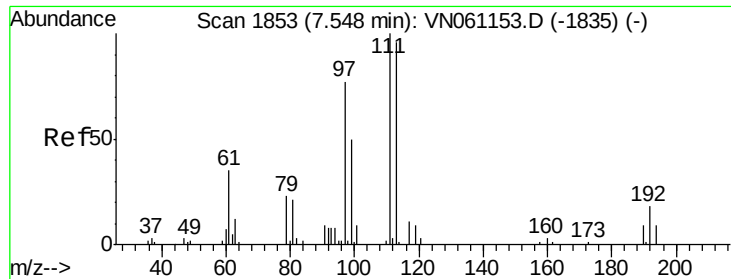
MMDadoda
 5/1/2020 10:55:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	217496		
63	24.2	0.0	46.6	
88	16.5	0.0	33.4	





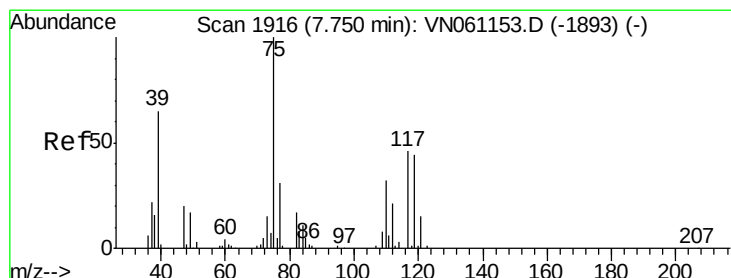
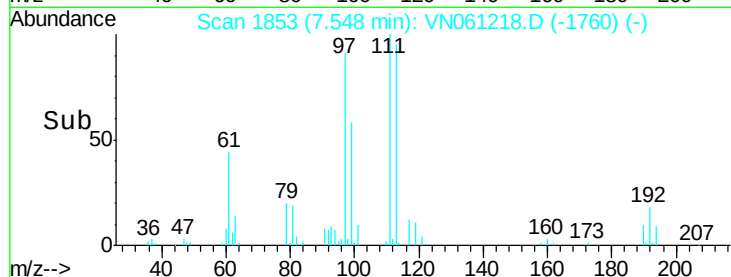
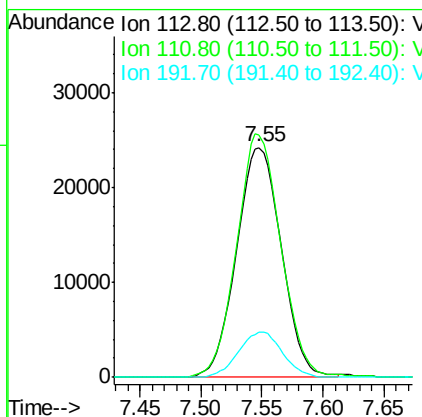
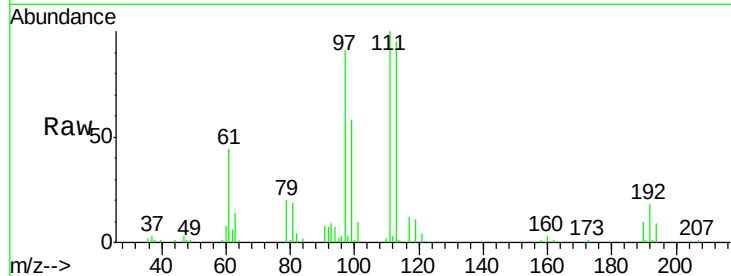
#35
 Dibromofluoromethane
 Concen: 47.891 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.9	124.3
192	19.2	14.7	22.1

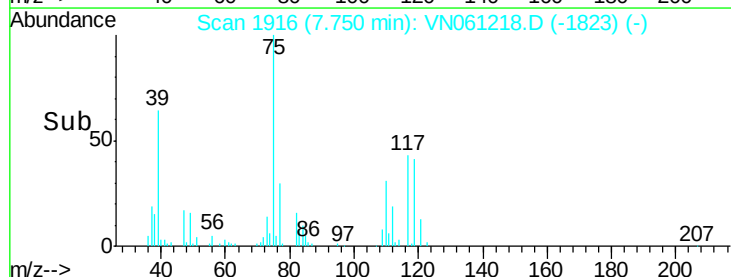
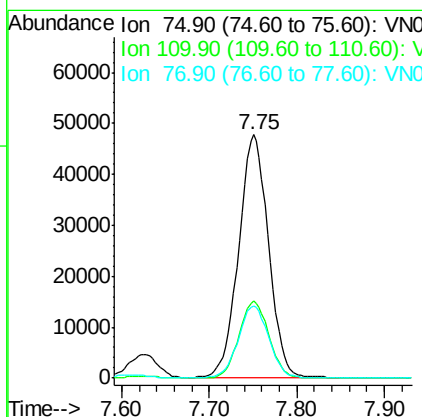
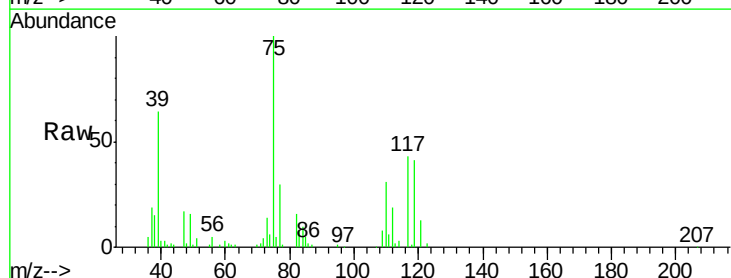
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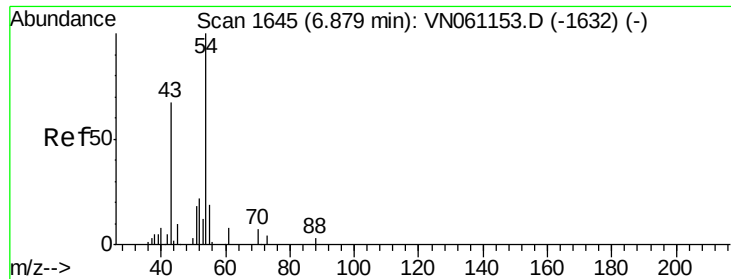
MMDadoda
 5/1/2020 10:55:00 AM



#36
 1,1-Dichloropropene
 Concen: 52.075 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	16.0	48.0
77	30.4	24.6	37.0





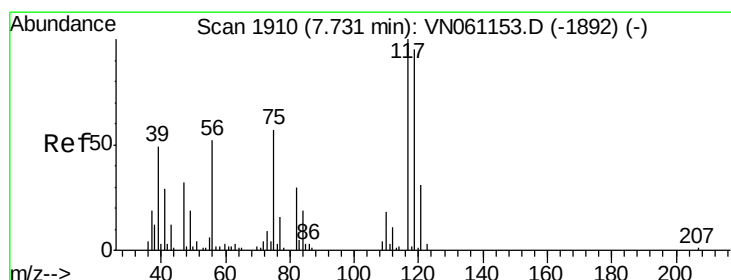
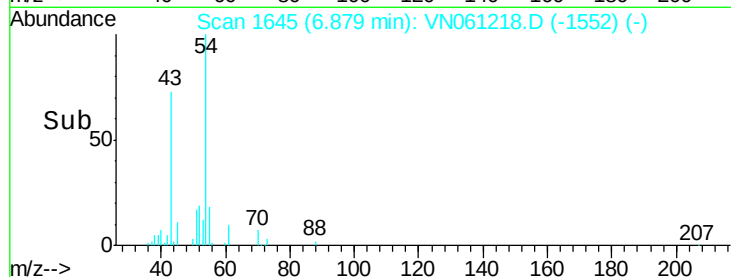
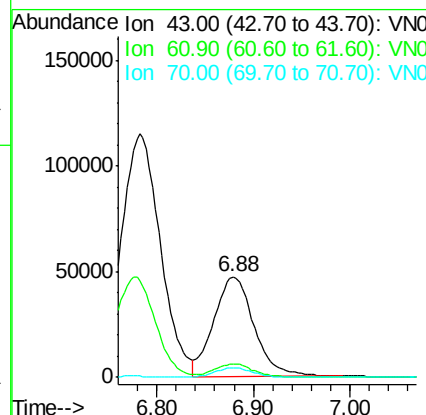
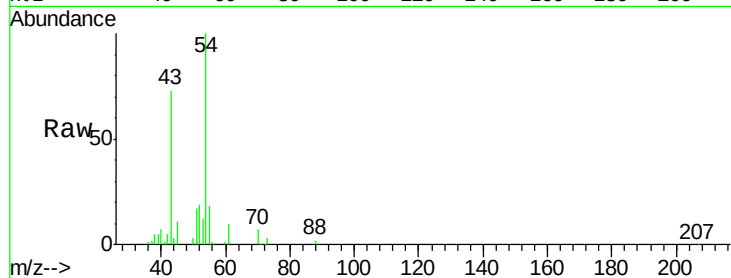
#37
Ethyl Acetate
Concen: 53.823 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	43	61	70	Ratio	Lower	Upper
137380	100	13.1	9.0		10.2	15.2
					7.2	10.8

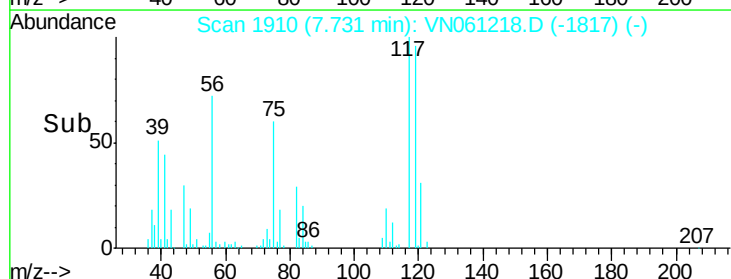
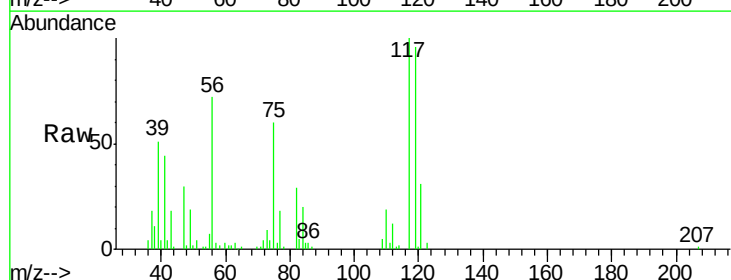
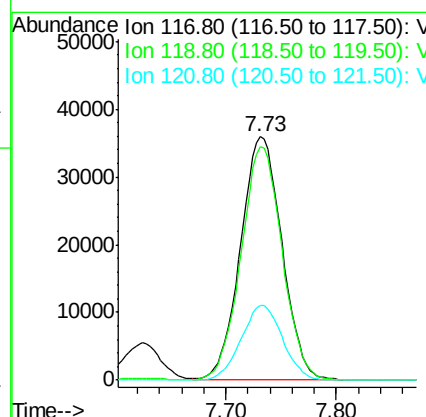
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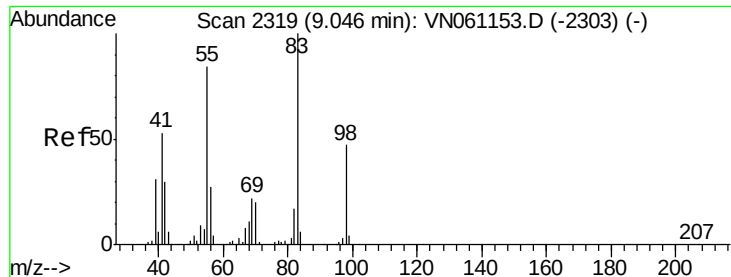
MMDadoda
5/1/2020 10:55:00 AM



#38
Carbon Tetrachloride
Concen: 47.207 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion	117	119	121	Ratio	Lower	Upper
93510	100	95.8	30.6		75.8	113.6
					24.7	37.1





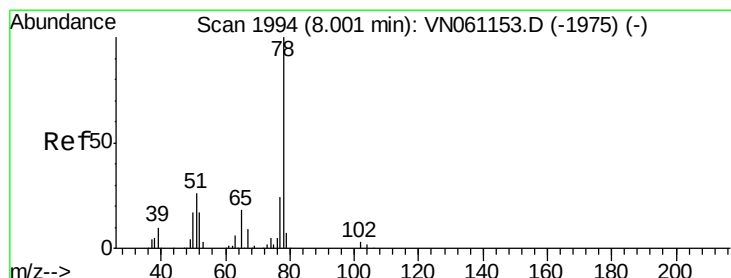
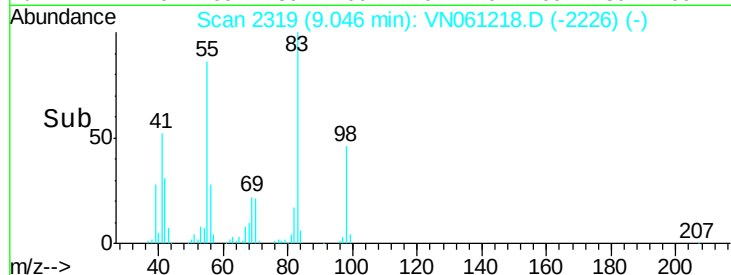
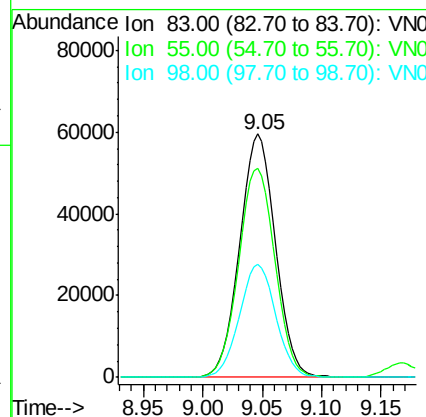
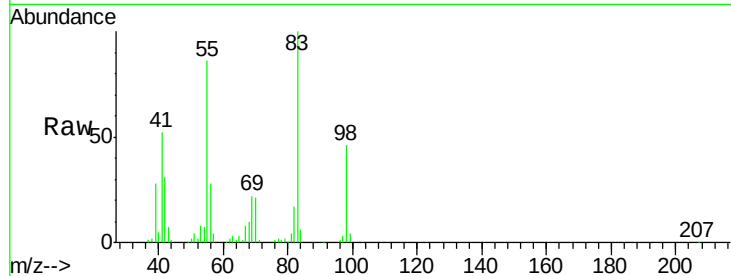
#39
Methylvlcyclohexane
Concen: 50.733 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	85.8	67.3	100.9	
98	46.2	37.7	56.5	

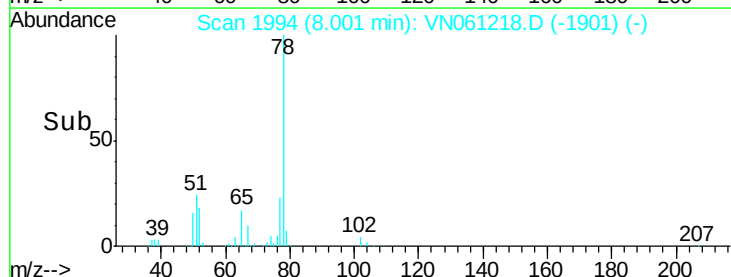
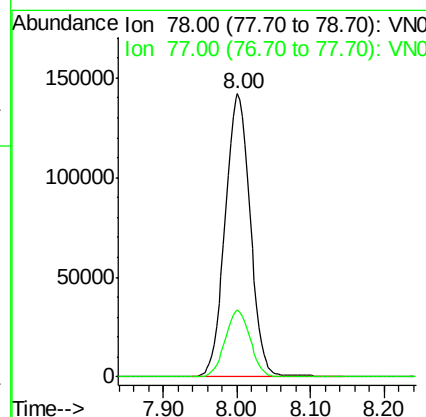
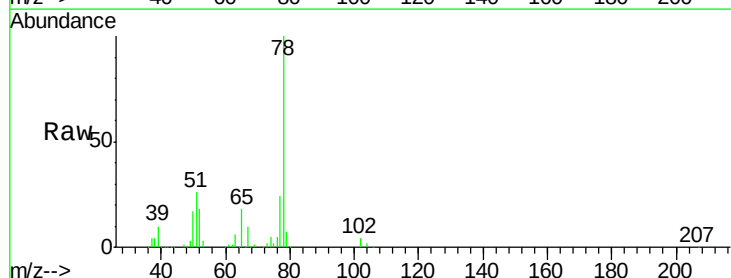
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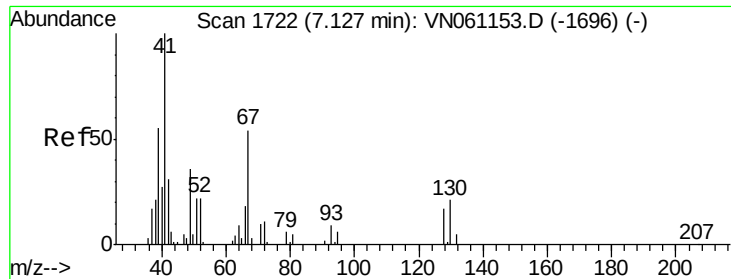
MMDadoda
5/1/2020 10:55:00 AM



#40
Benzene
Concen: 51.778 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.6	





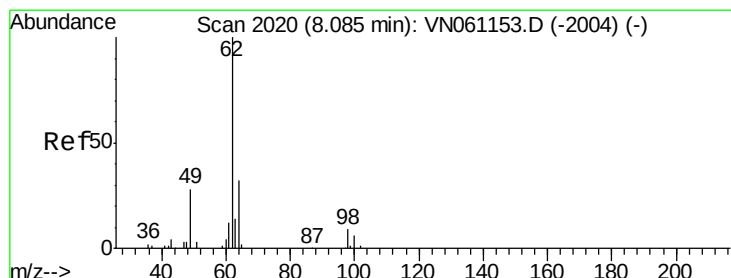
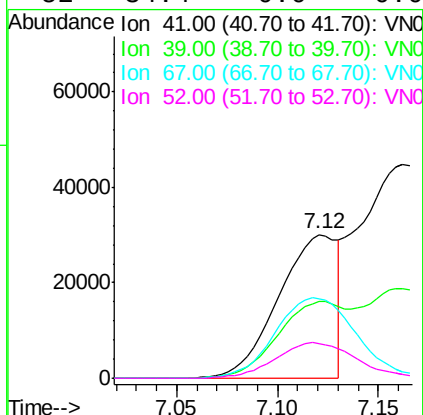
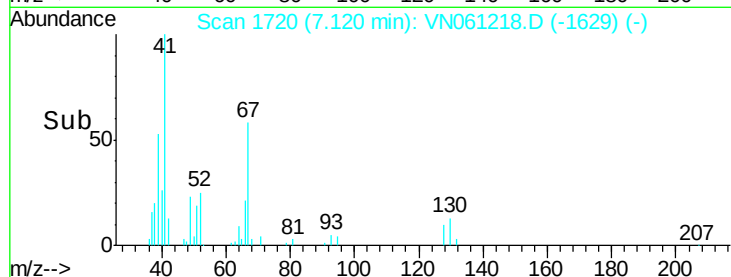
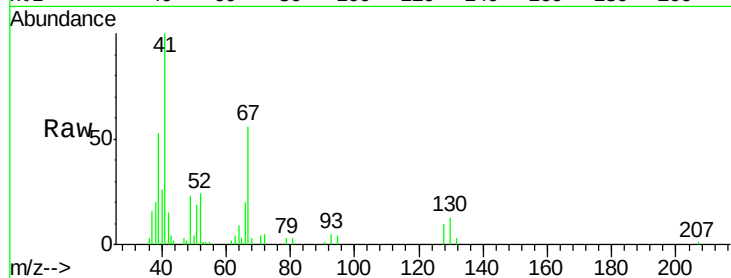
#41
Methacrylonitrile
Concen: 57.388 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.1	0.0	0.0#
67	77.8	0.0	0.0#
52	34.4	0.0	0.0#

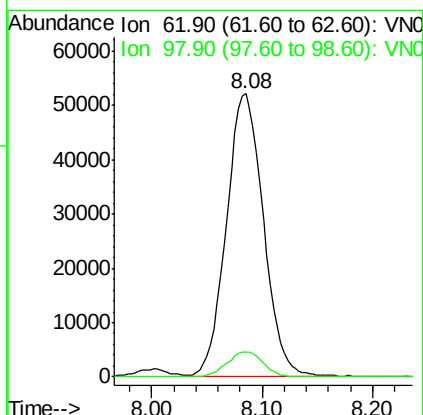
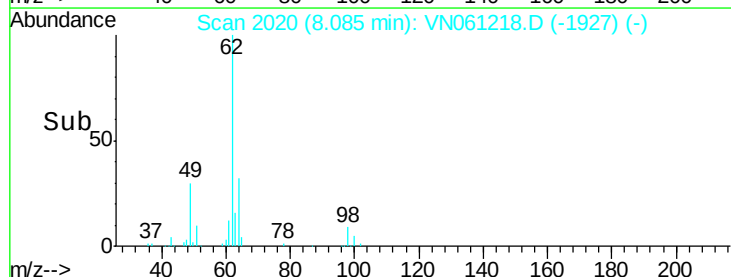
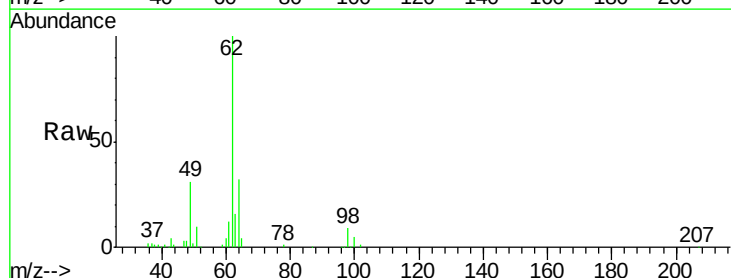
Manual Integrations
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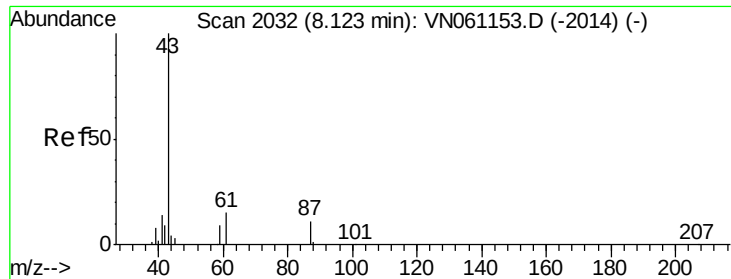
MMDadoda
5/1/2020 10:55:00 AM



#42
1,2-Dichloroethane
Concen: 49.140 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 53.703 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

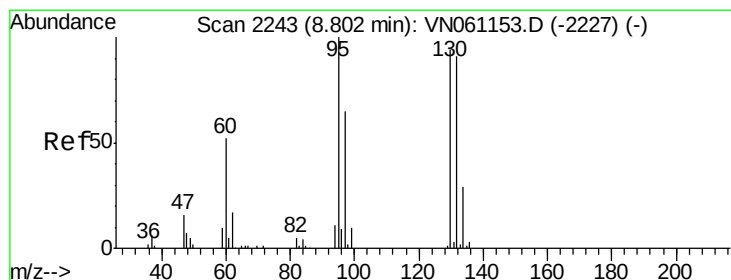
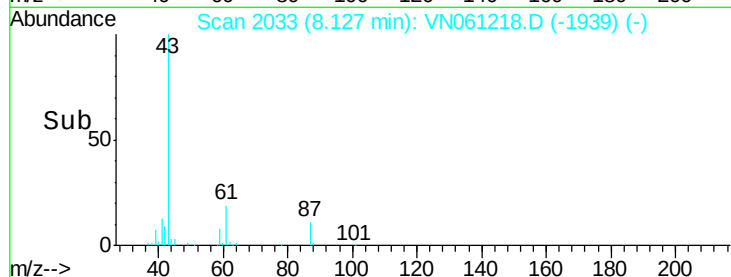
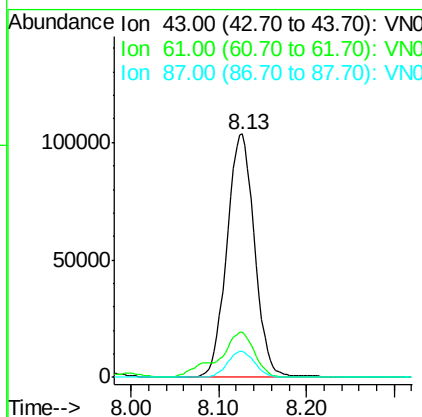
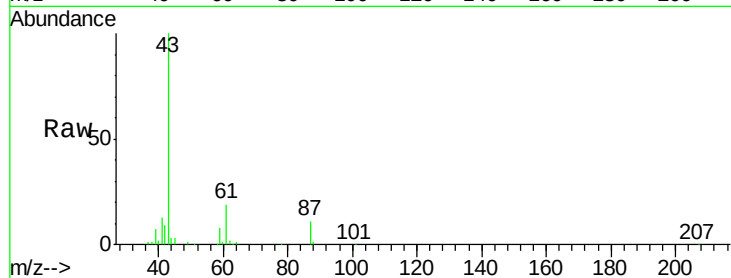
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	227490
Ion	Ratio	Lower	Upper
43	100		
61	24.2	19.5	29.3
87	10.5	8.9	13.3

Manual Integrations
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5/1/2020 10:55:00 AM



#44

Trichloroethene

Concen: 47.398 ug/l

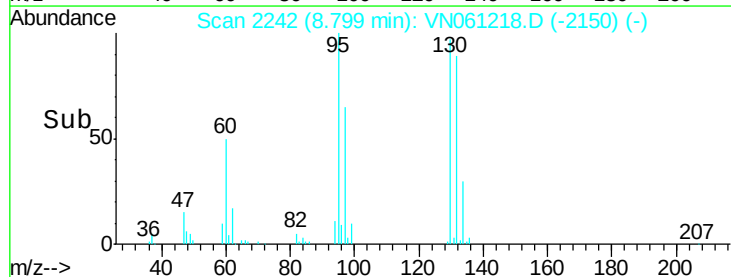
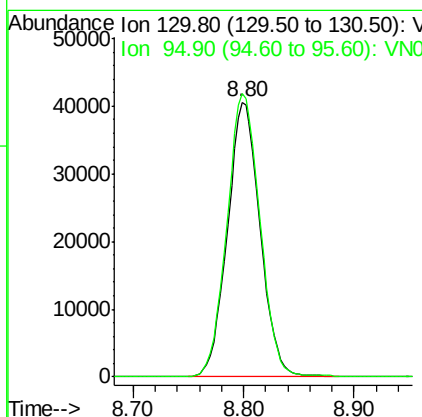
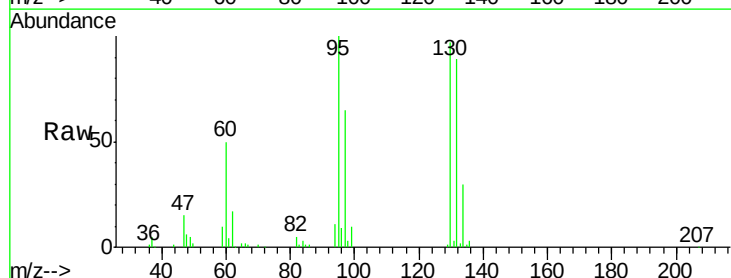
RT: 8.80 min Scan# 2242

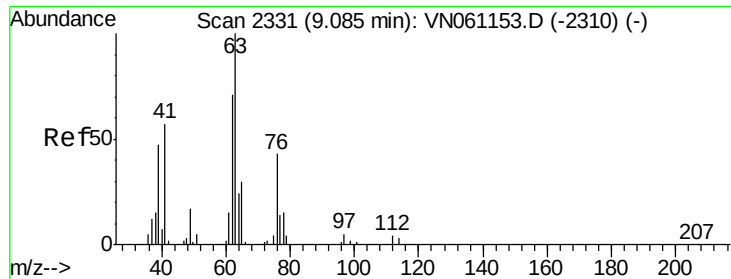
Delta R.T. -0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tgt Ion:	130	Resp:	83112
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	212.4





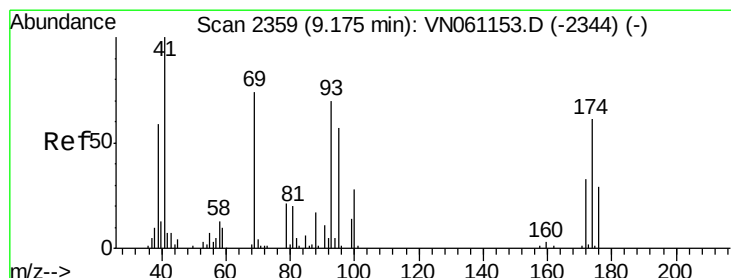
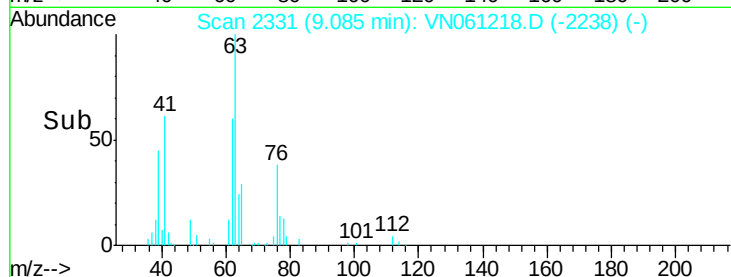
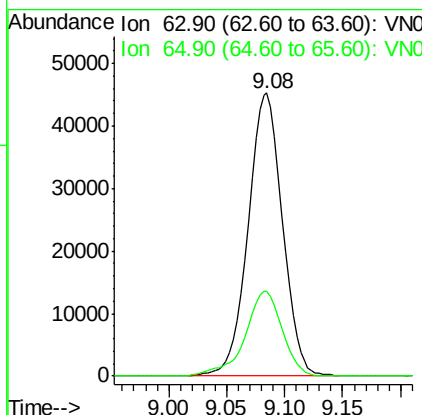
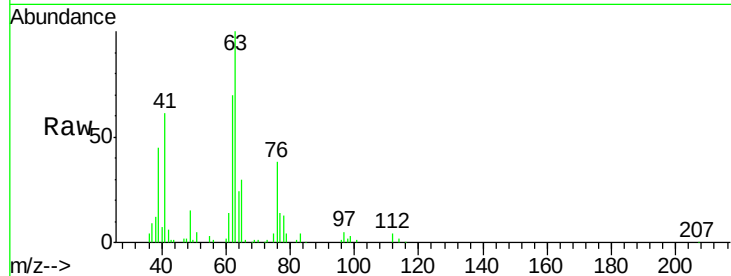
#45
 1,2-Dichloropropane
 Concen: 53.922 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 93443
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.7 37.1

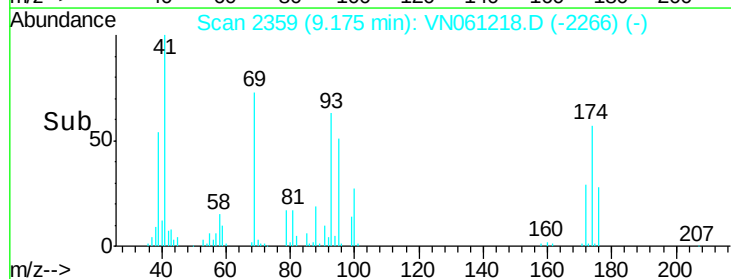
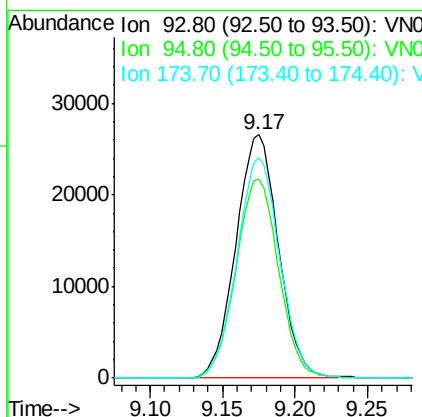
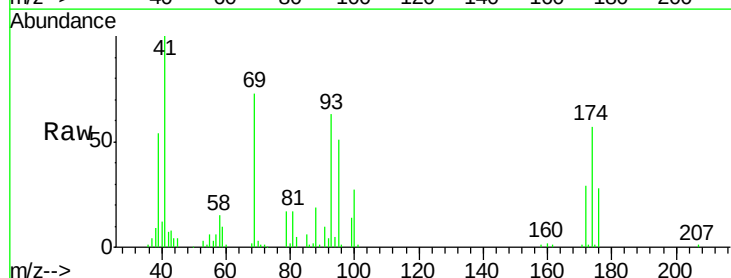
Manual Integrations
 APPROVED

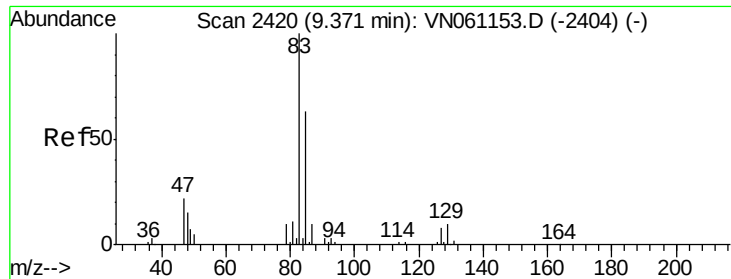
MMDadoda
 5/1/2020 10:55:00 AM



#46
 Dibromomethane
 Concen: 50.530 ug/l
 RT: 9.17 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion: 93 Resp: 54218
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 99.8
 174 91.2 70.2 105.2





#47

Bromodichloromethane

Concen: 50.120 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

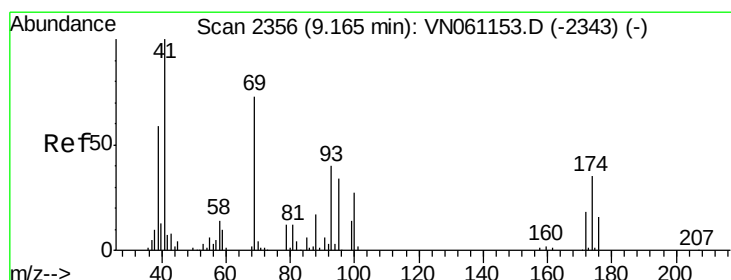
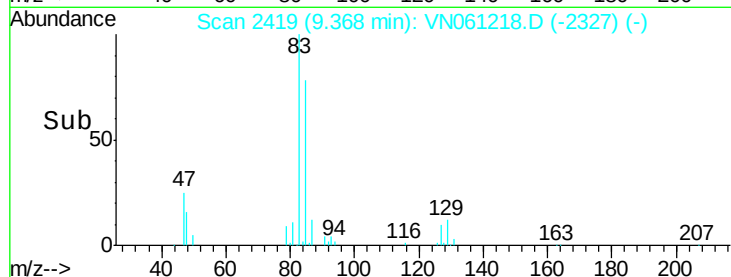
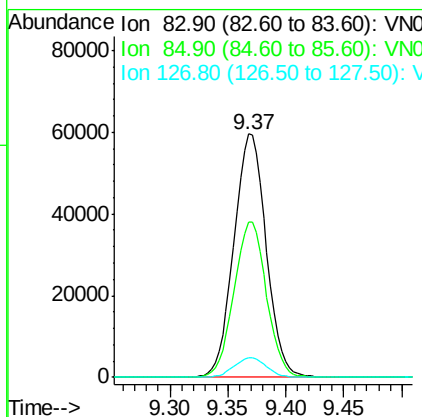
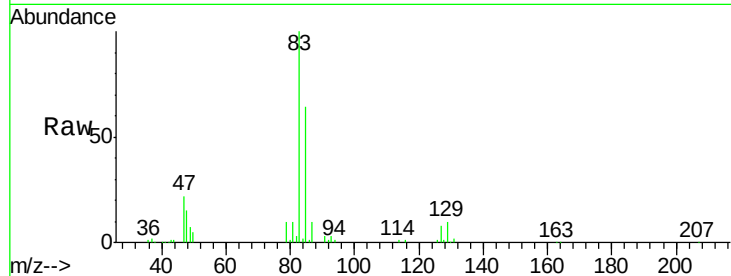
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	115429
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.4	75.6
127	8.1	6.2	9.2

Manual Integrations
APPROVED

MMDadoda
5/1/2020 10:55:00 AM



#48

Methyl methacrylate

Concen: 54.167 ug/l

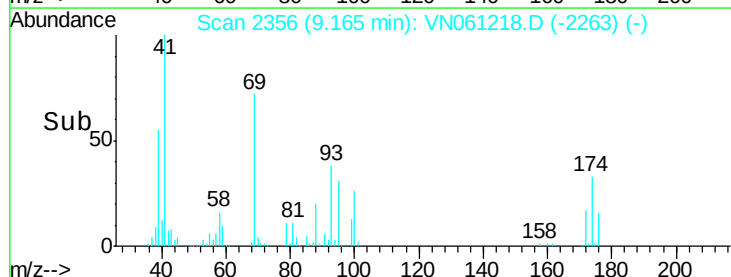
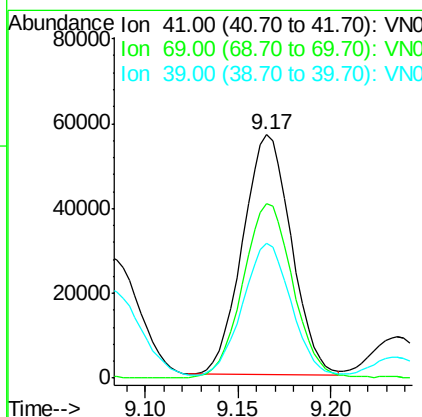
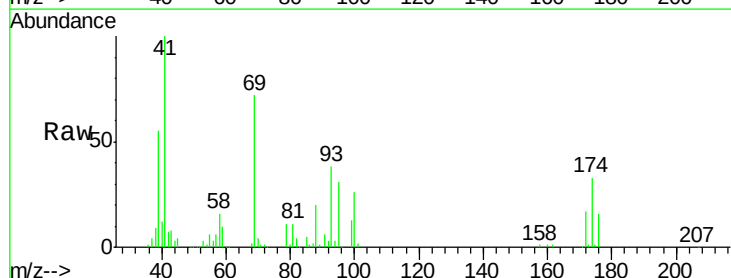
RT: 9.17 min Scan# 2356

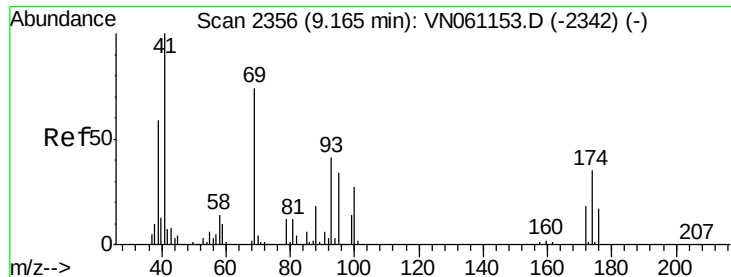
Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tgt Ion:	41	Resp:	103542
Ion	Ratio	Lower	Upper
41	100		
69	74.2	60.3	90.5
39	56.5	47.4	71.0





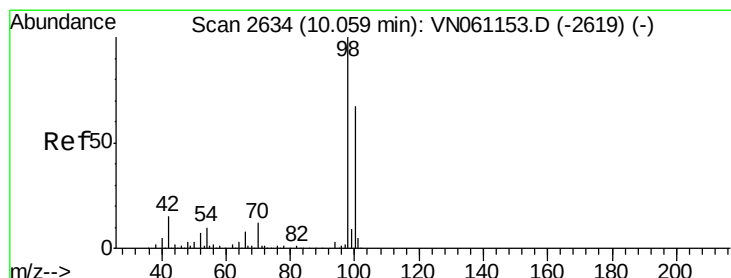
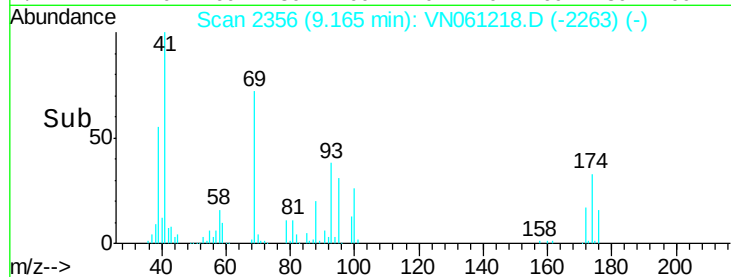
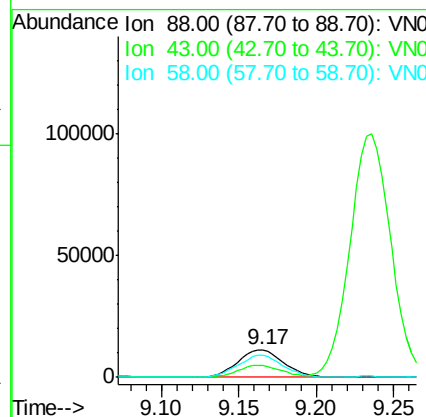
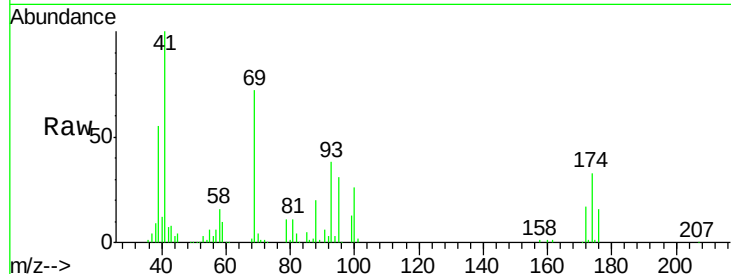
#49
1,4-Dioxane
Concen: 1078.703 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.0	35.3	52.9
58	78.1	61.5	92.3

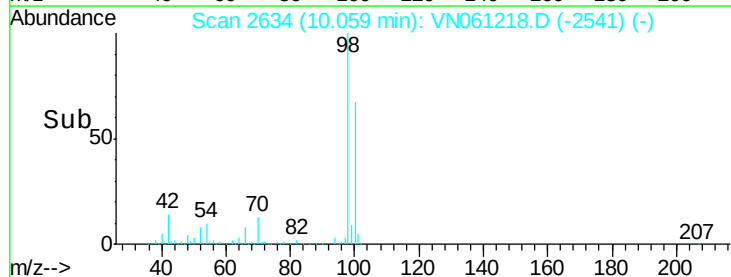
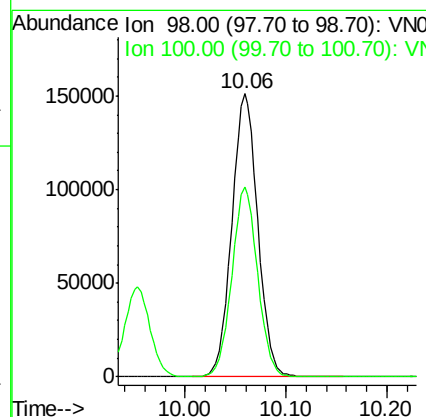
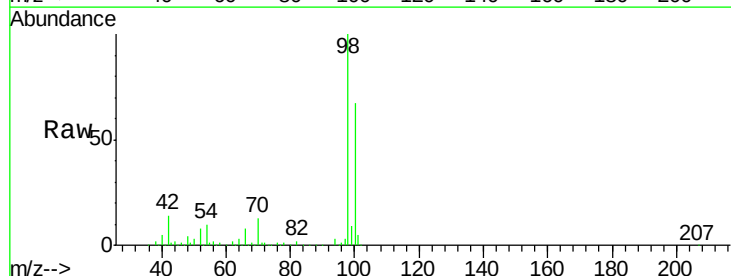
Manual Integrations
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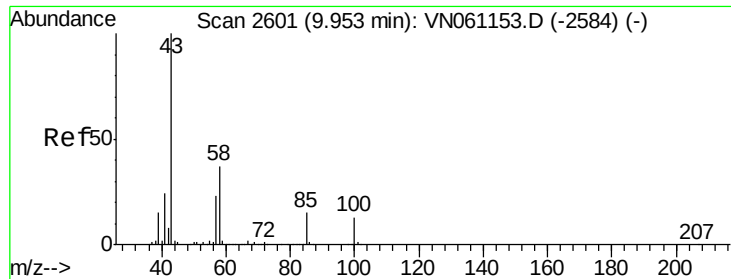
MMDadoda
5/1/2020 10:55:00 AM



#50
Toluene-d8
Concen: 51.728 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.4	80.0





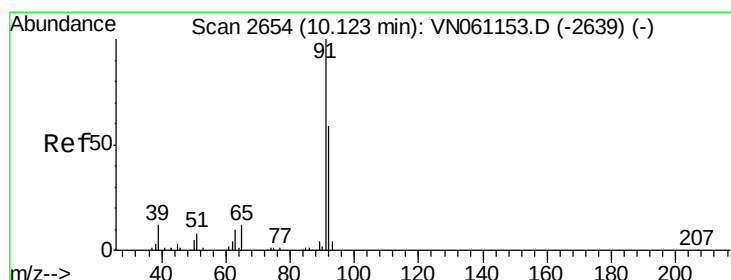
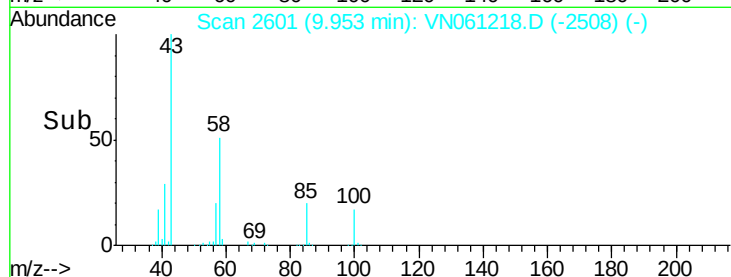
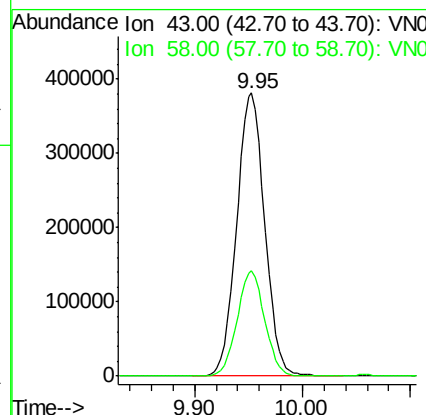
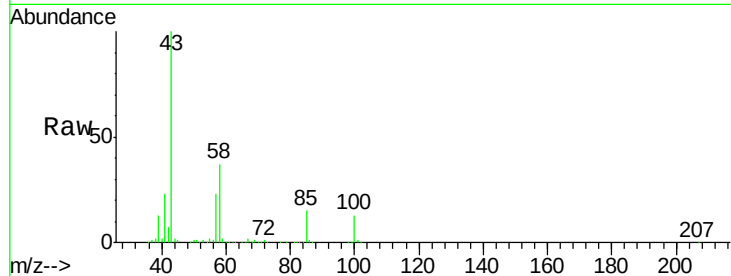
#51
 4-Methyl-2-Pentanone
 Concen: 277.002 ug/l
 RT: 9.95 min Scan# 2601
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.1	43.7

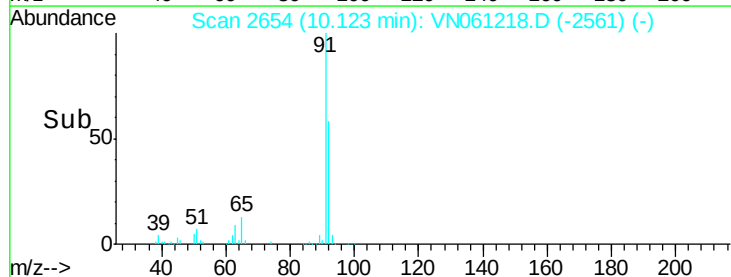
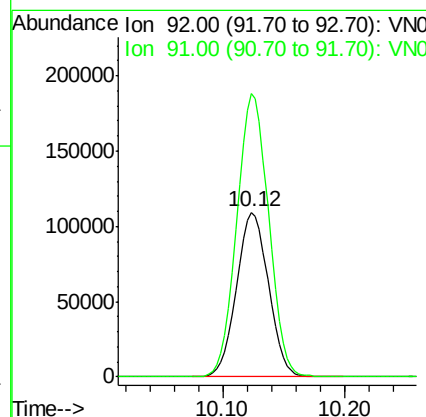
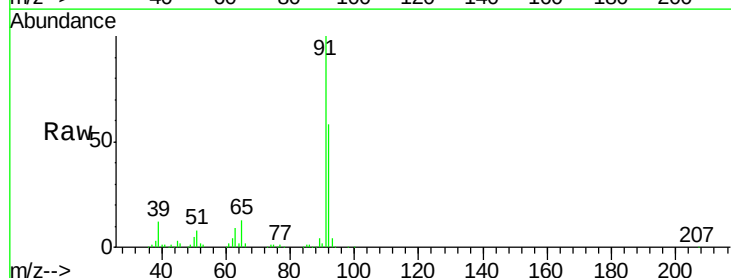
Manual Integrations
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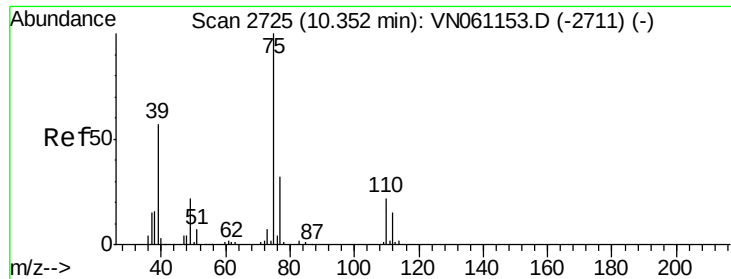
MMDadoda
 5/1/2020 10:55:00 AM



#52
 Toluene
 Concen: 50.917 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.2	204.2





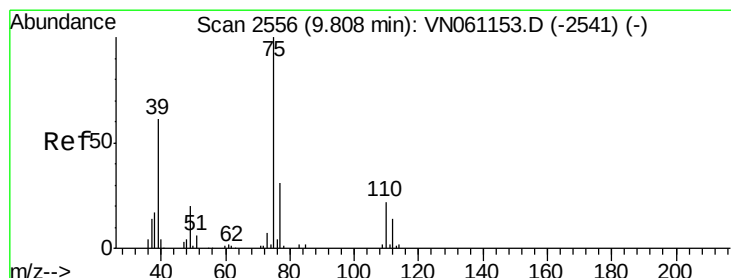
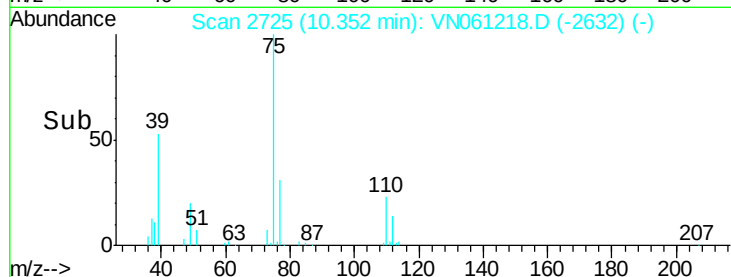
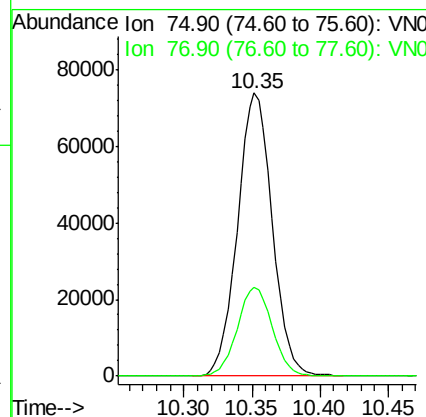
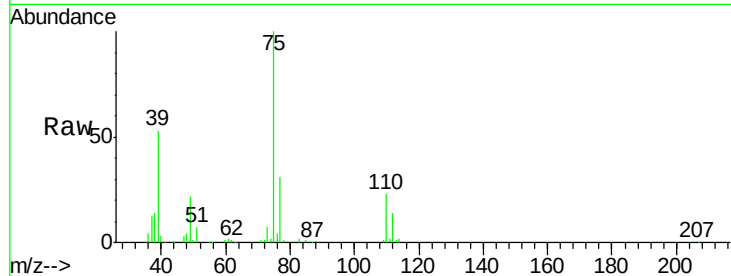
#53
t-1,3-Dichloropropene
Concen: 50.241 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3

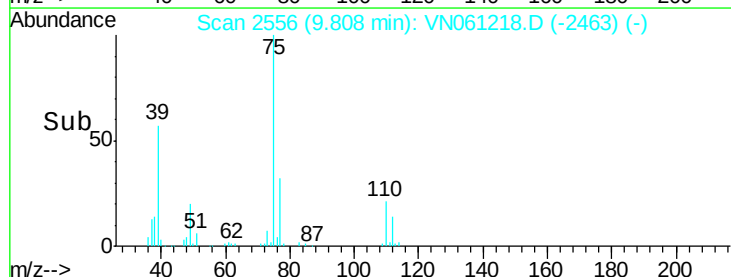
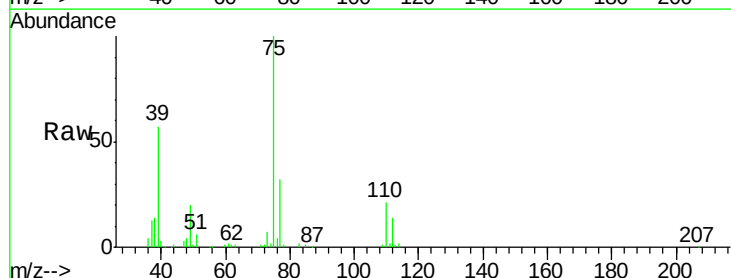
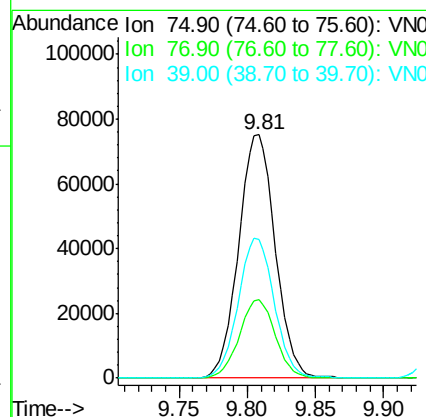
Manual Integrations
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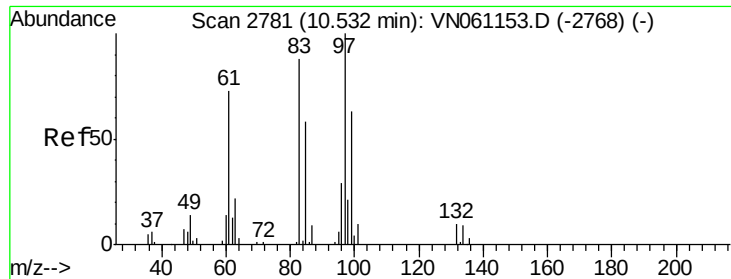
MMDadoda
5/1/2020 10:55:00 AM



#54
cis-1,3-Dichloropropene
Concen: 51.101 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4
39	56.8	48.7	73.1





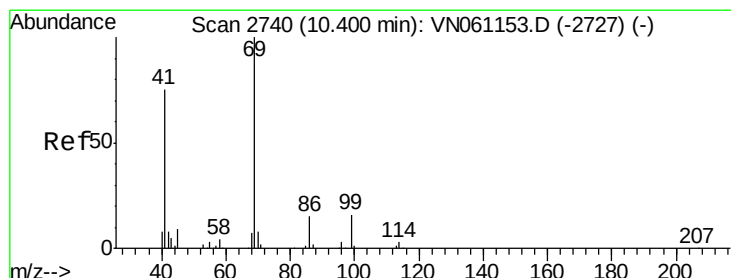
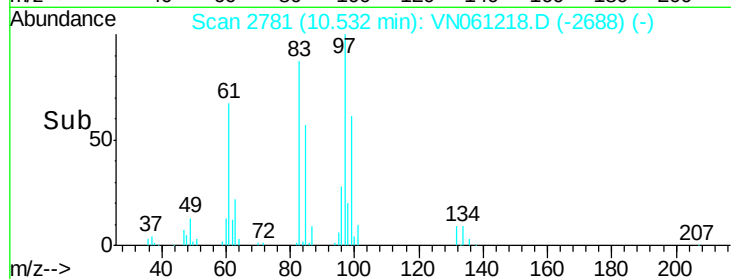
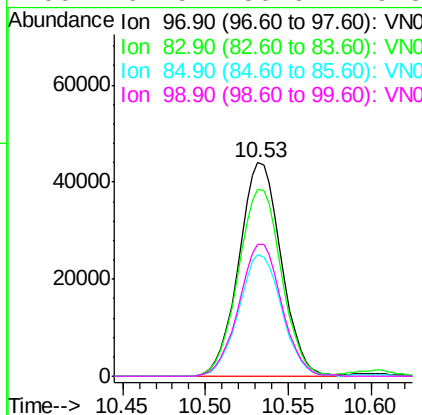
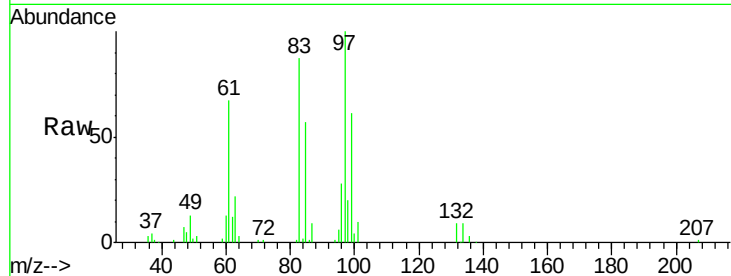
#55
 1,1,2-Trichloroethane
 Concen: 50.217 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.6	106.0
85	57.0	46.4	69.6
99	61.5	50.6	75.8

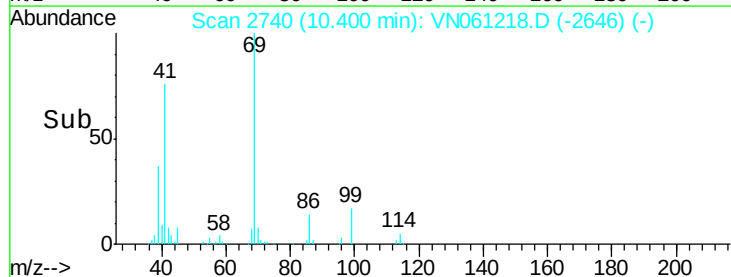
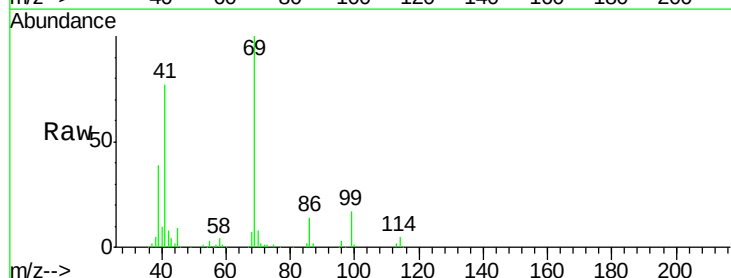
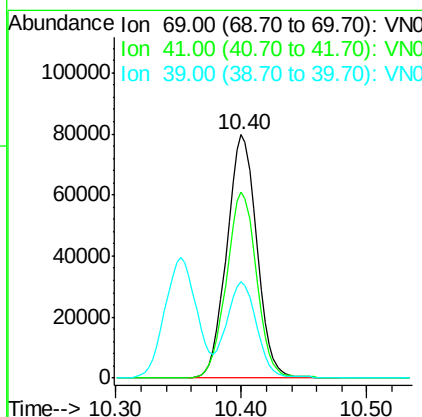
Manual Integrations
 APPROVED

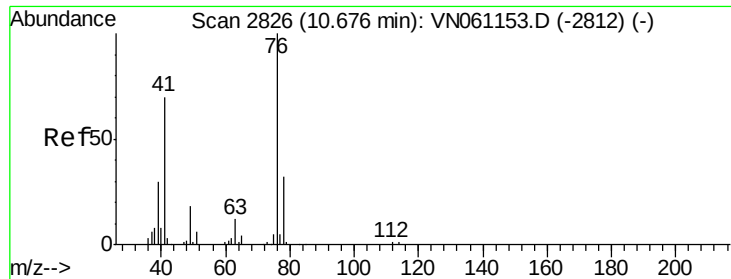
MMDadoda
 5/1/2020 10:55:00 AM



#56
 Ethyl methacrylate
 Concen: 48.723 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.3	90.5
39	39.5	35.9	53.9





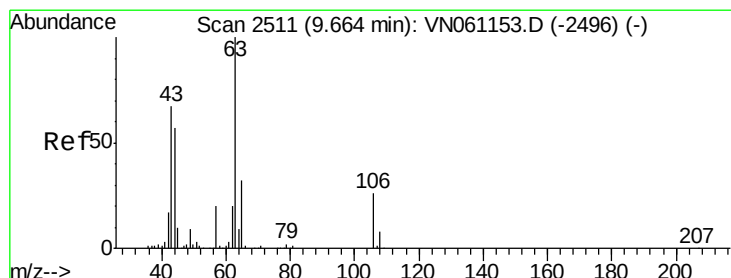
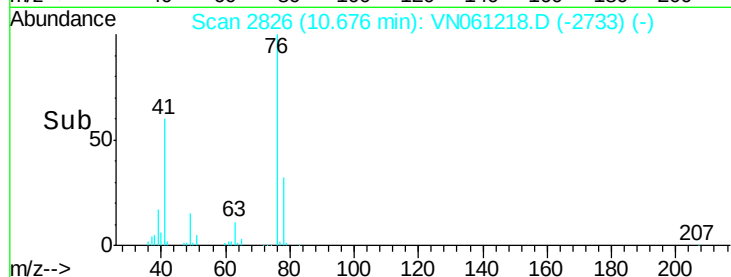
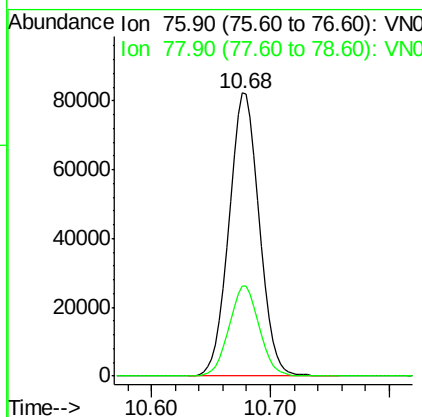
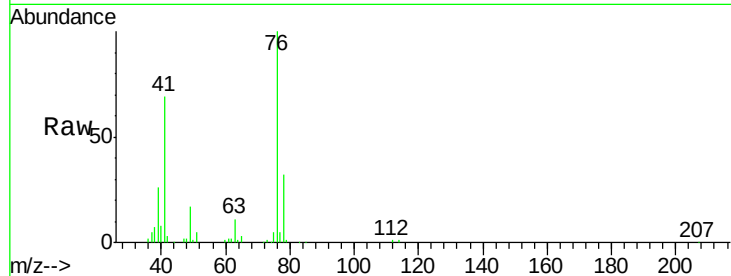
#57
 1,3-Dichloropropane
 Concen: 52.876 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

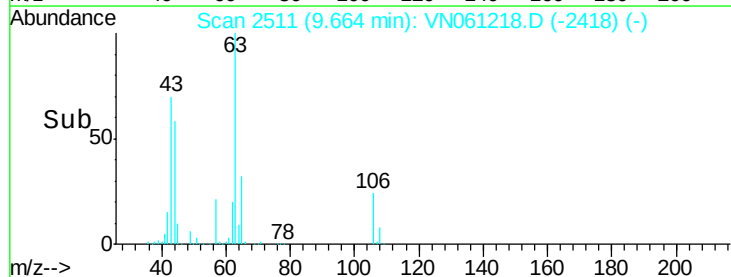
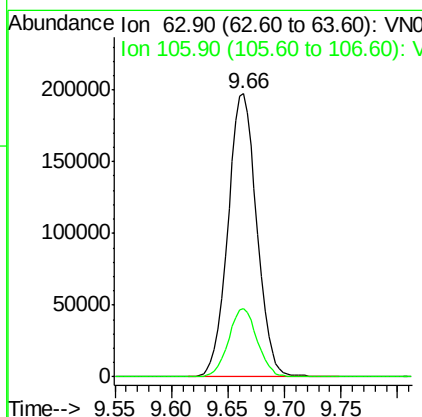
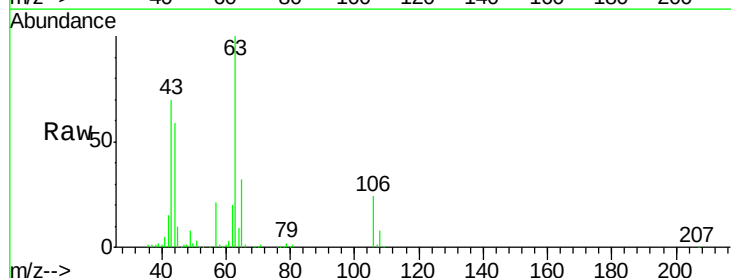
Manual Integrations
 APPROVED

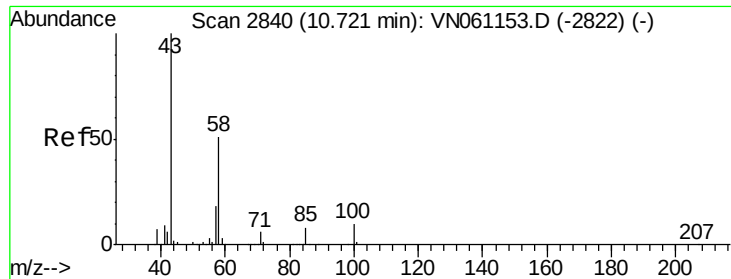
MMDadoda
 5/1/2020 10:55:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.591 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.1	20.6	30.8





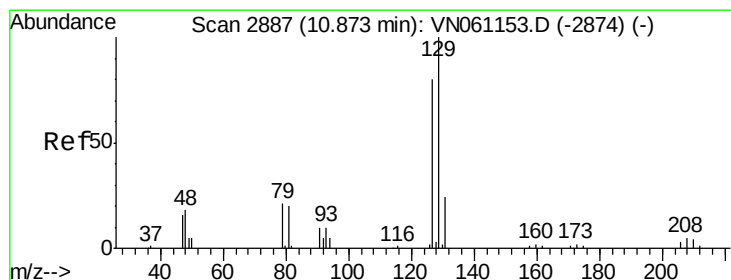
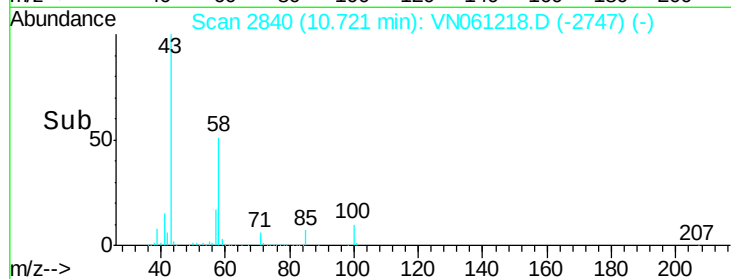
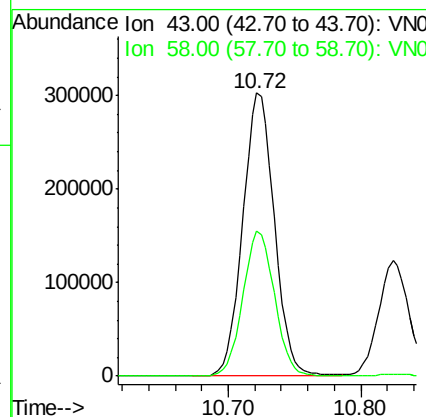
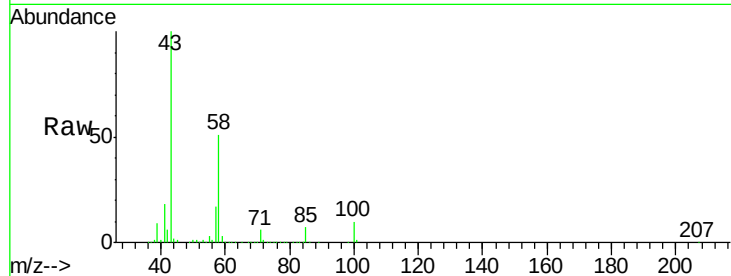
#59
2-Hexanone
Concen: 276.524 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	501618
Ion Ratio	100	Lower	Upper
43	100		
58	51.4	25.4	76.4

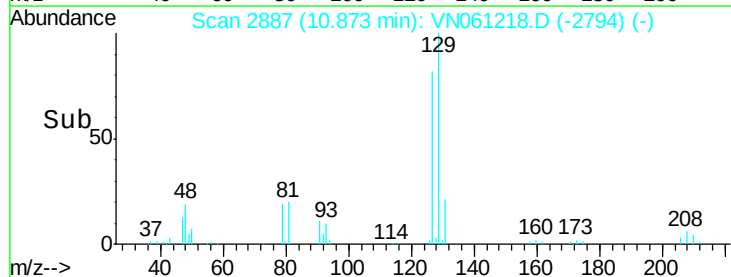
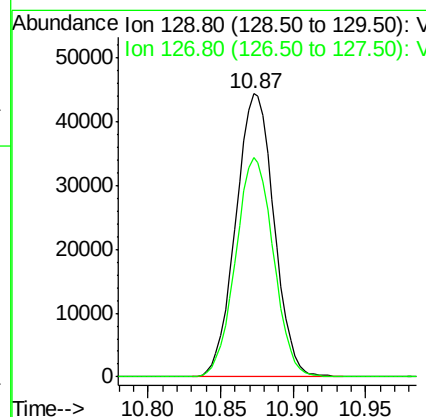
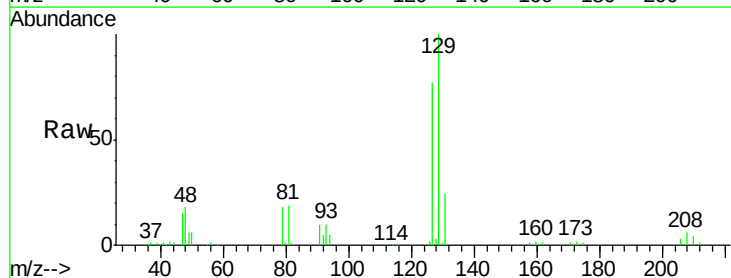
Manual Integrations
APPROVED

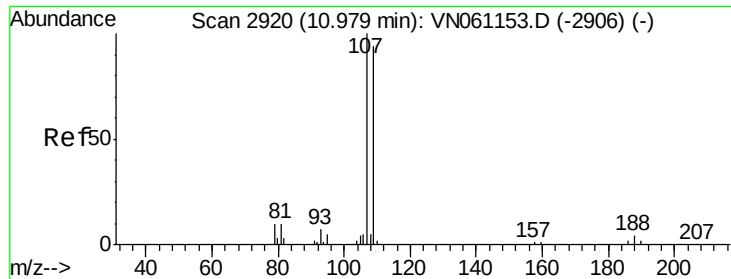
MMDadoda
5/1/2020 10:55:00 AM



#60
Dibromochloromethane
Concen: 49.873 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion	129	Resp	81402
Ion Ratio	100	Lower	Upper
129	100		
127	76.5	39.3	117.8





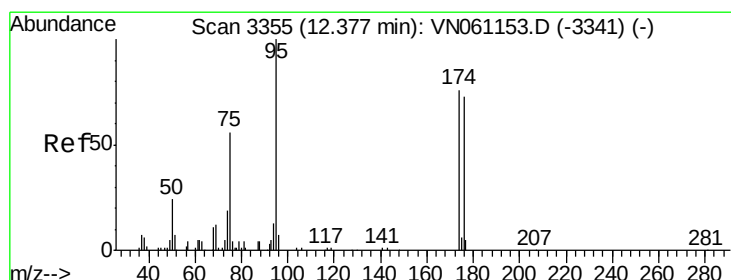
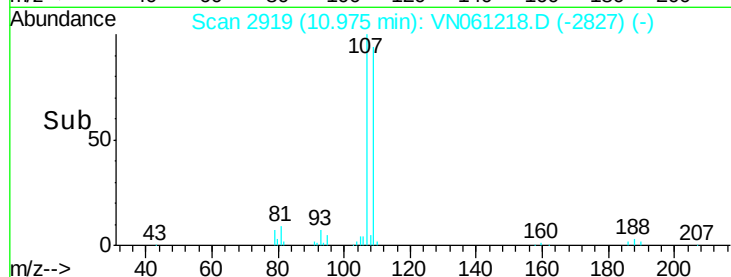
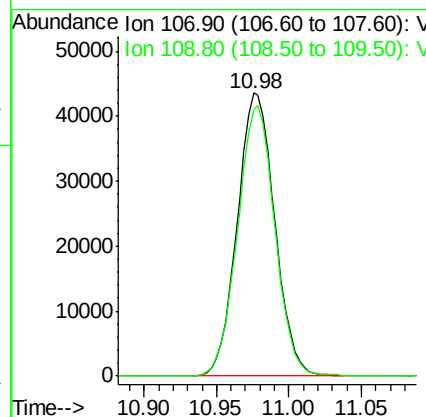
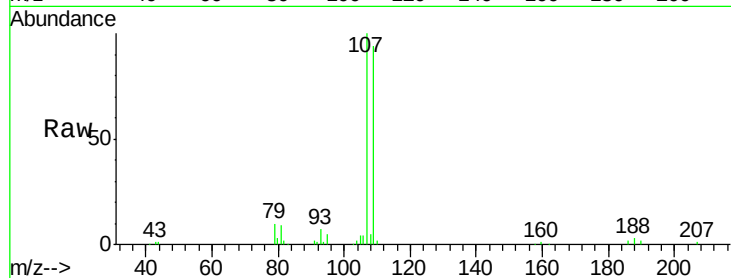
#61
 1,2-Dibromoethane
 Concen: 49.944 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	74.8	112.2

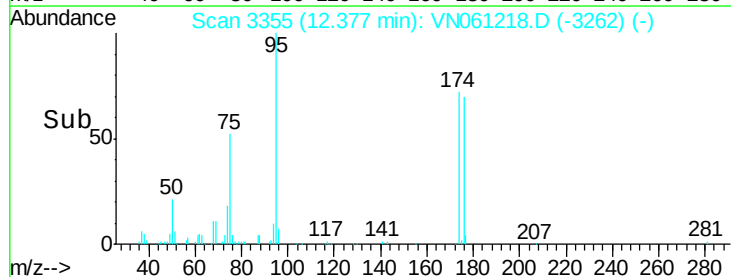
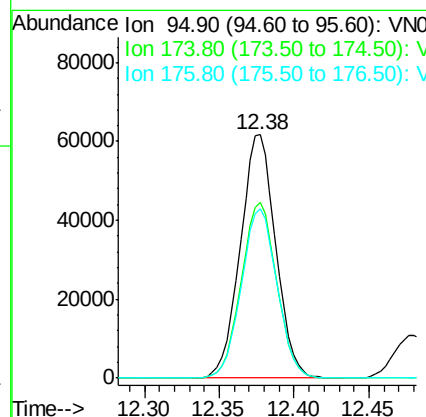
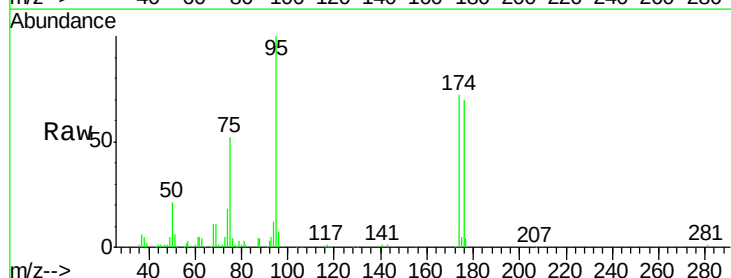
Manual Integrations
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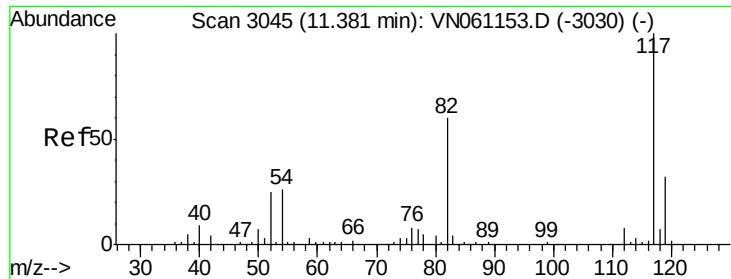
MMDadoda
 5/1/2020 10:55:00 AM



#62
 4-Bromofluorobenzene
 Concen: 51.492 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	149.4
176	70.2	0.0	144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

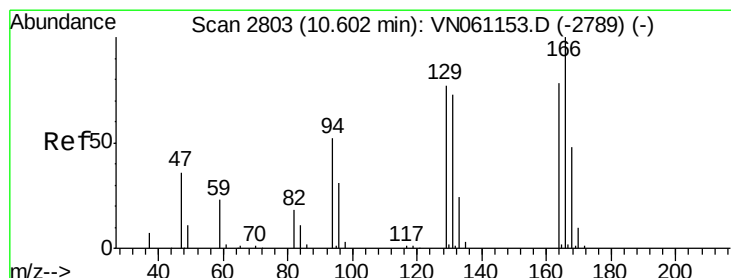
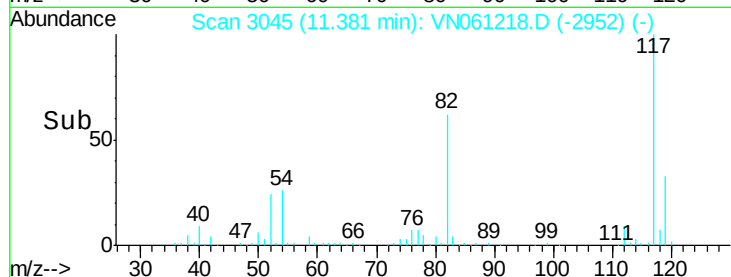
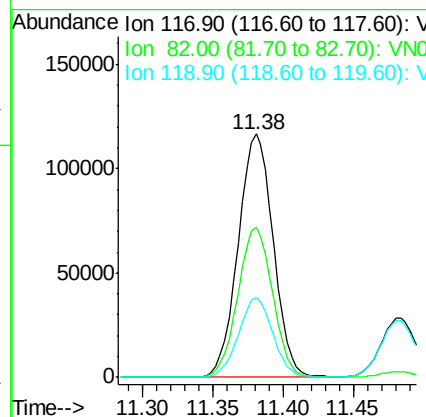
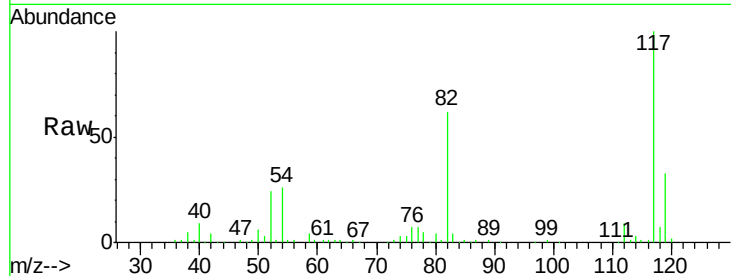
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	203645
Ion Ratio	Lower	Upper	
117	100		
82	61.6	47.8	71.8
119	32.9	25.8	38.6

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MMDadoda
5/1/2020 10:55:00 AM



#64

Tetrachloroethene

Concen: 45.974 ug/l

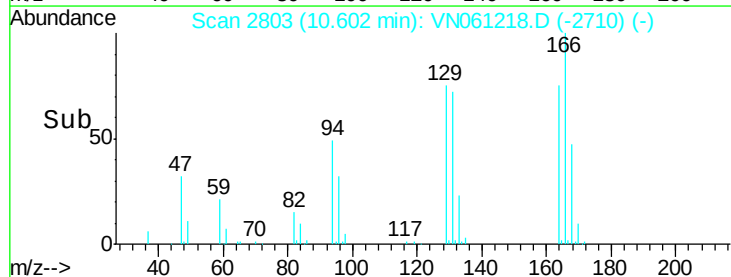
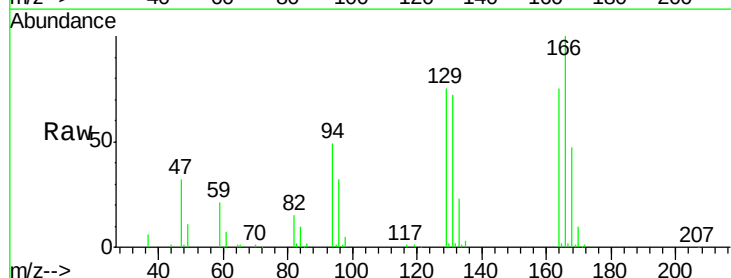
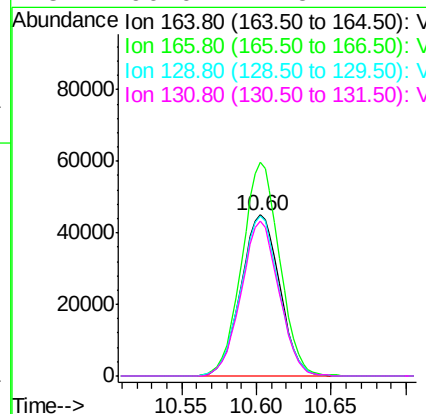
RT: 10.60 min Scan# 2803

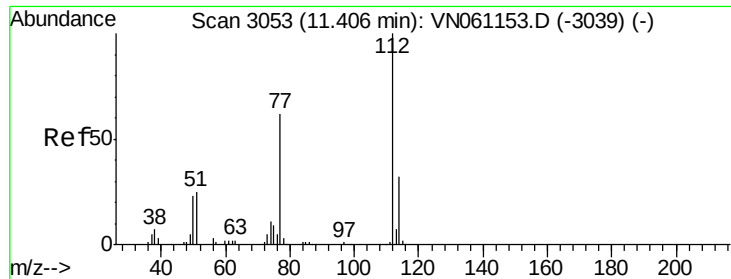
Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tgt Ion:	164	Resp:	81089
Ion Ratio	Lower	Upper	
164	100		
166	132.6	102.0	153.0
129	99.2	78.2	117.2
131	96.0	74.5	111.7





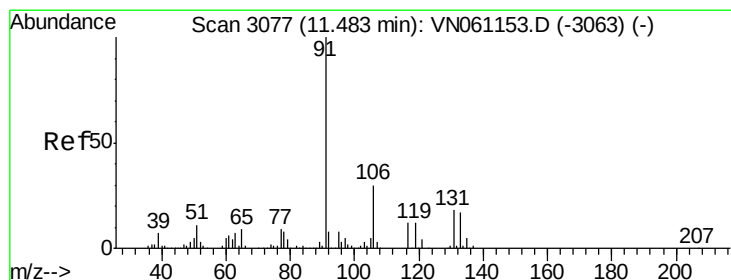
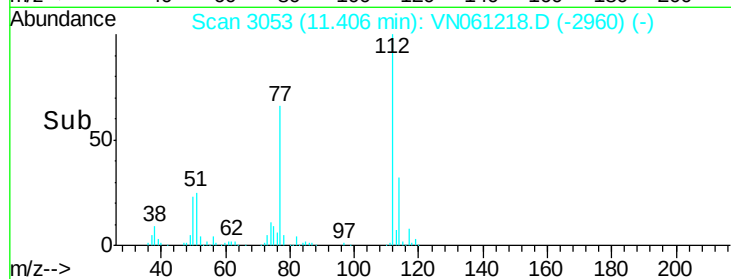
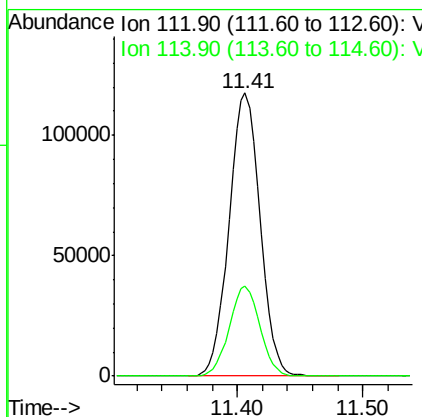
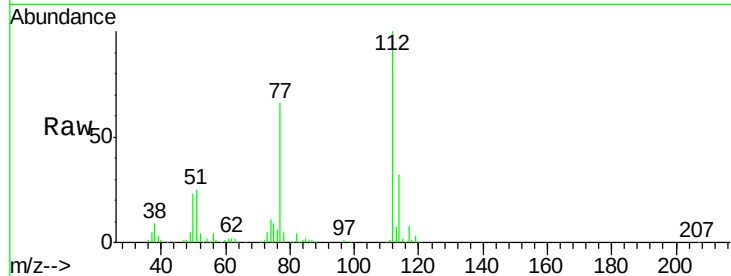
#65
Chlorobenzene
Concen: 50.072 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 202275
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

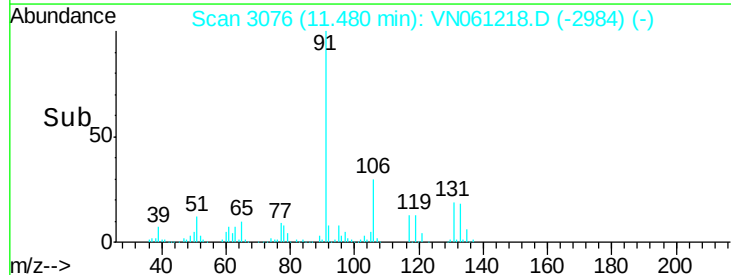
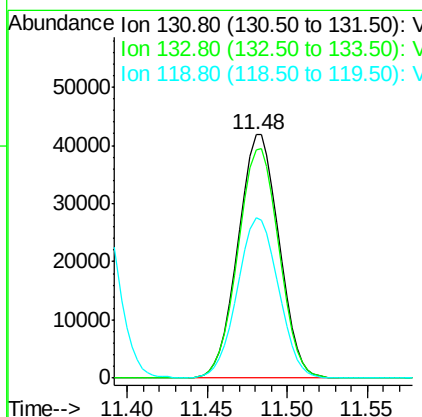
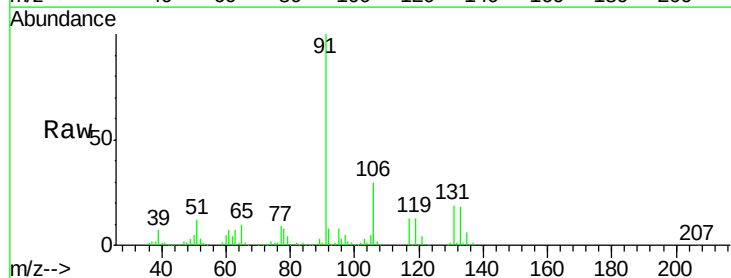
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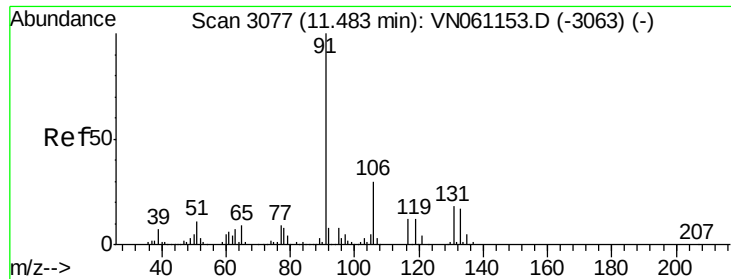
MMDadoda
5/1/2020 10:55:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.639 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion:131 Resp: 73215
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.2
119 66.2 32.6 97.8





#67

Ethyl Benzene

Concen: 50.901 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 384923

Ion Ratio Lower Upper

91 100

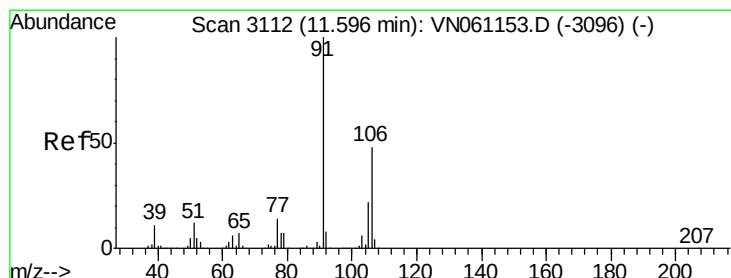
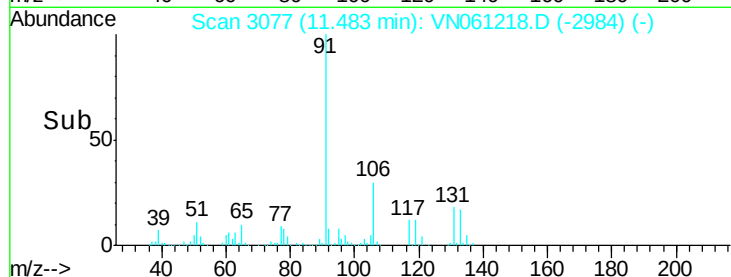
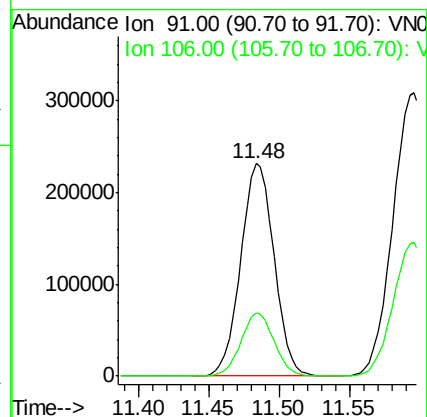
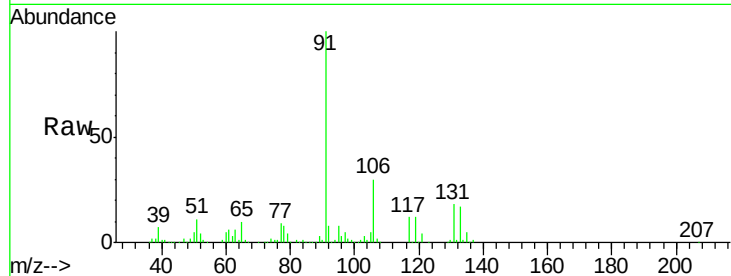
106 29.7 23.8 35.6

Manual Integrations

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5/1/2020 10:55:00 AM



#68

m/p-Xylenes

Concen: 100.989 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061218.D

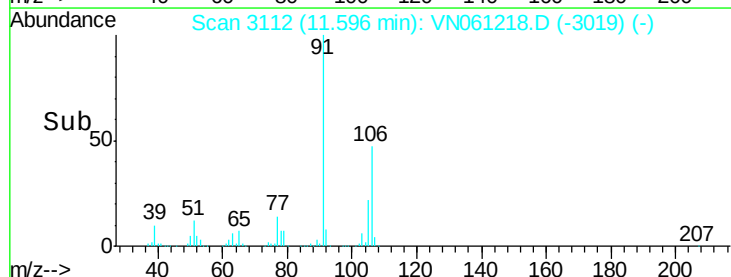
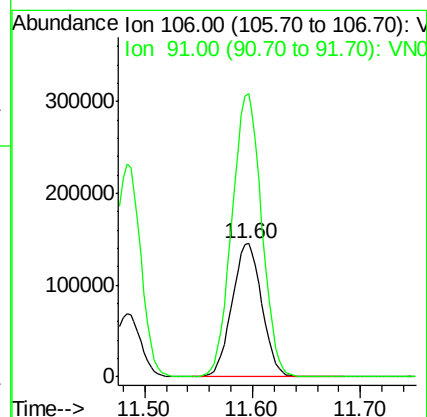
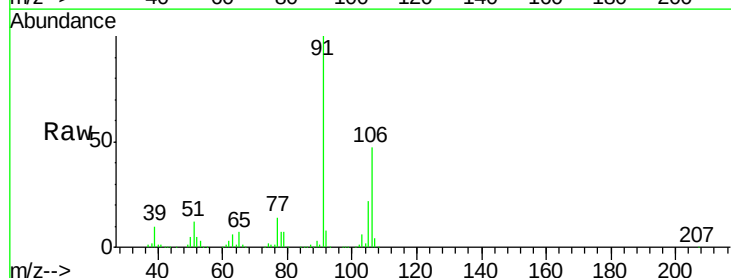
Acq: 30 Apr 2020 21:44

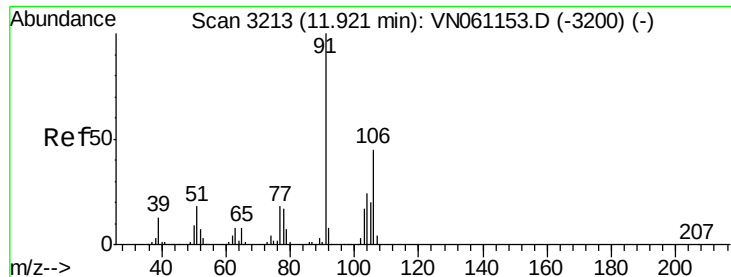
Tgt Ion: 106 Resp: 279536

Ion Ratio Lower Upper

106 100

91 212.3 166.4 249.6





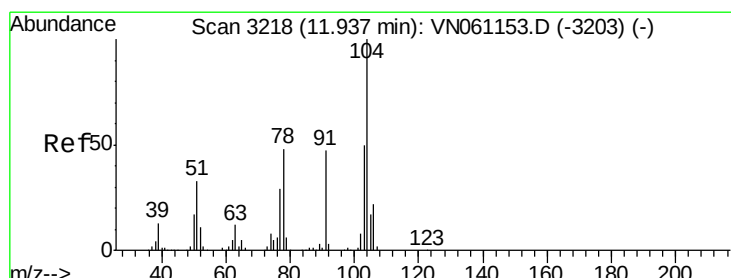
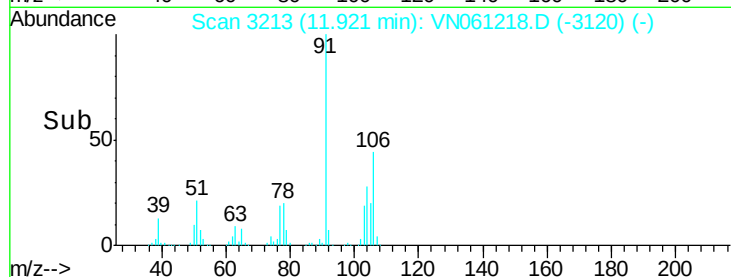
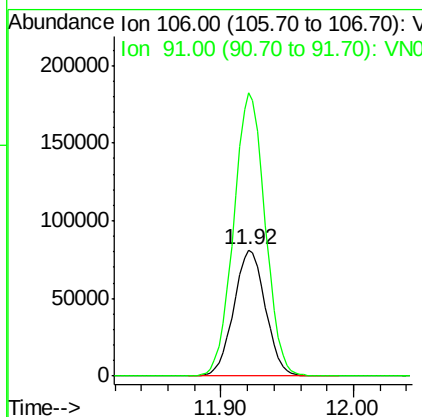
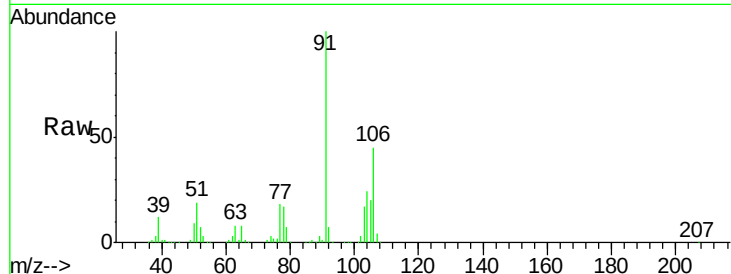
#69
o-Xylene
Concen: 50.553 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	223.0	109.7	329.0	

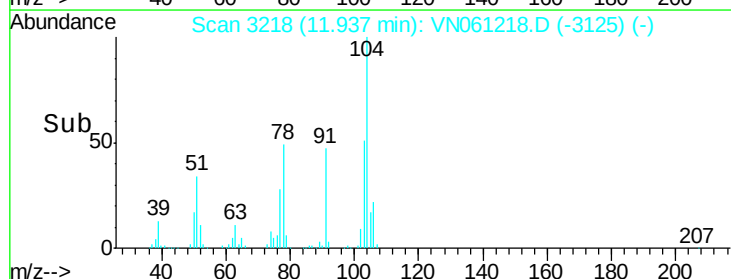
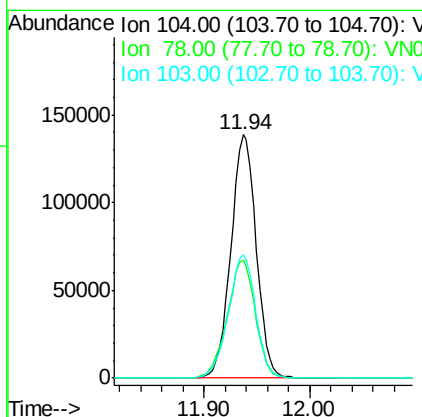
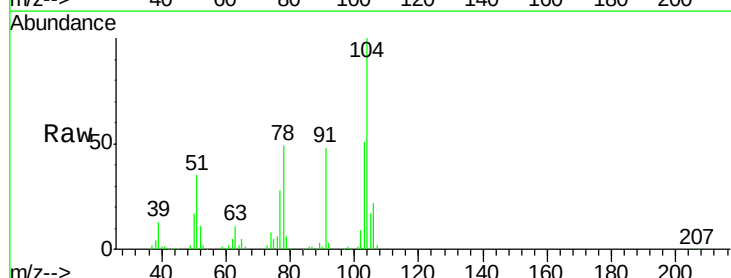
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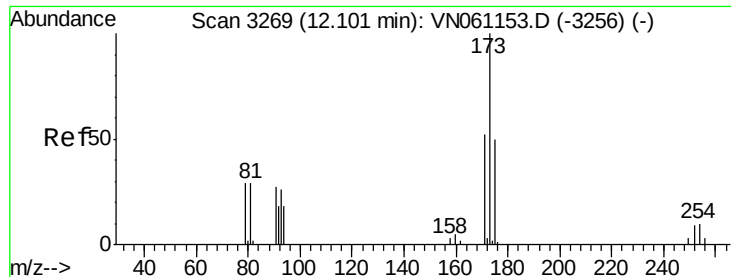
MMDadoda
5/1/2020 10:55:00 AM



#70
Styrene
Concen: 51.809 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.5	42.1	63.1	
103	54.6	43.3	64.9	





#71

Bromoform

Concen: 51.574 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 54803

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.4

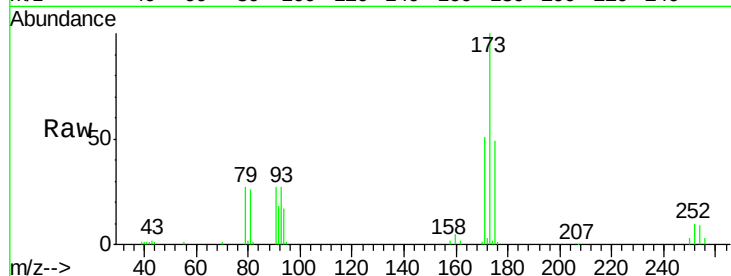
254 0.0 0.0 0.0

Manual Integrations

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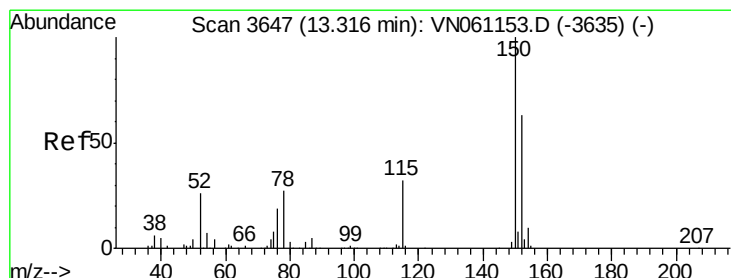
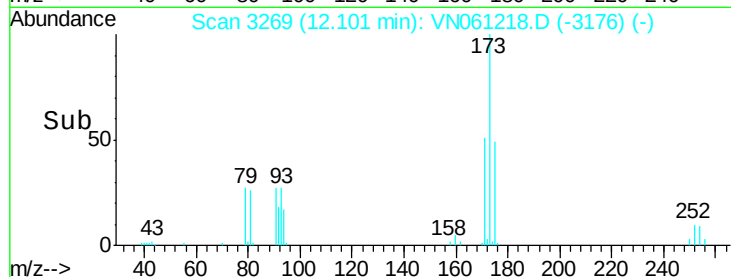
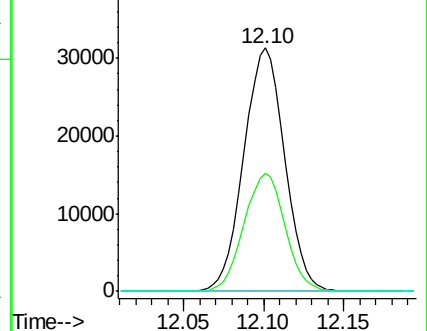
5/1/2020 10:55:00 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

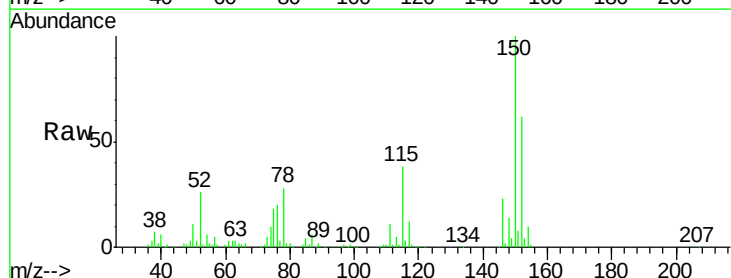
Tgt Ion:152 Resp: 97218

Ion Ratio Lower Upper

152 100

115 61.9 31.0 93.0

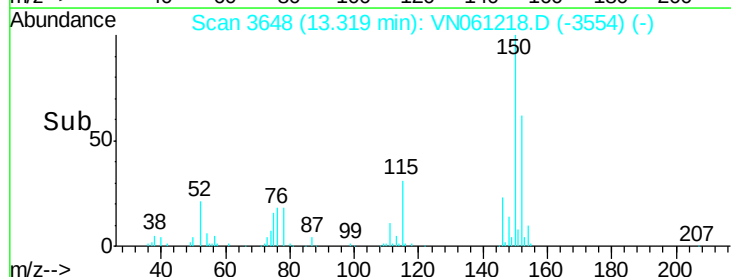
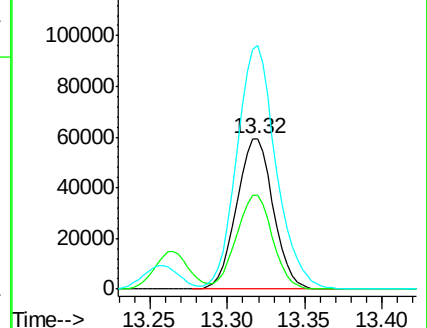
150 174.1 0.0 351.8

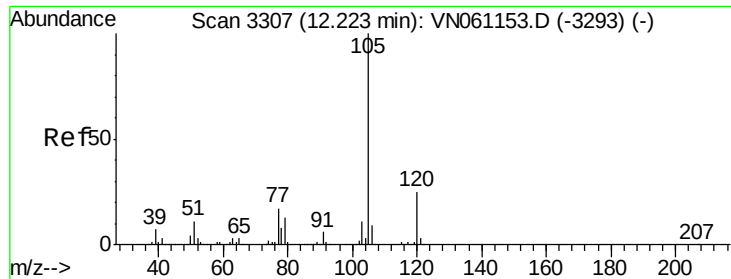


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





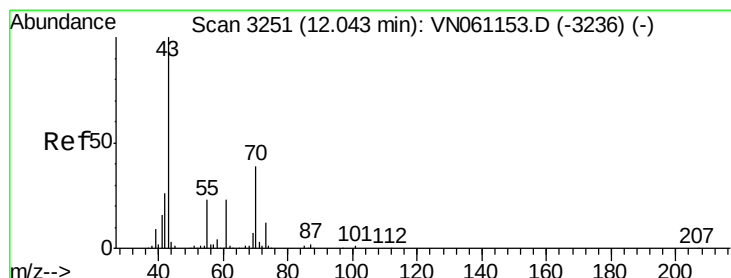
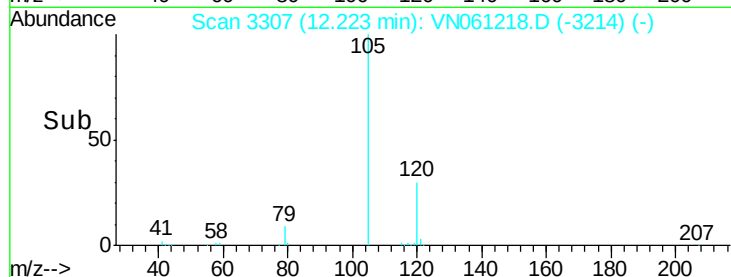
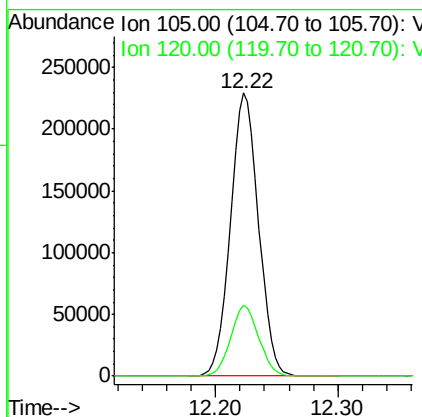
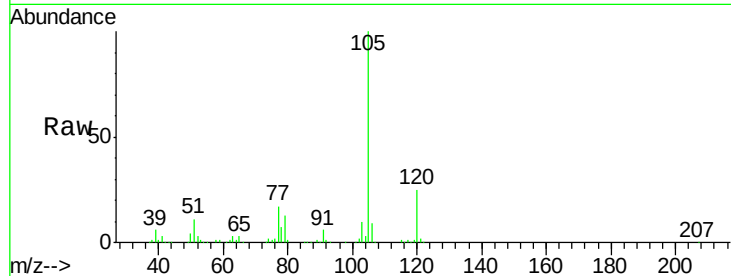
#73
Isopropylbenzene
Concen: 51.365 ug/l
RT: 12.22 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.6	37.8

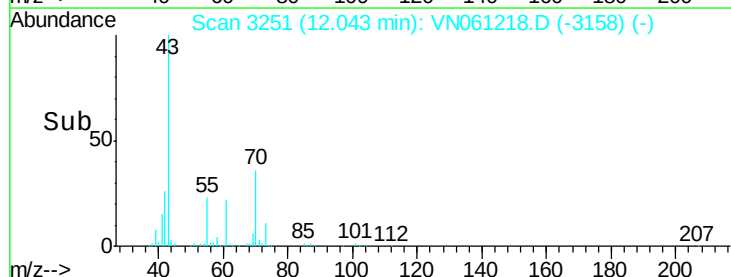
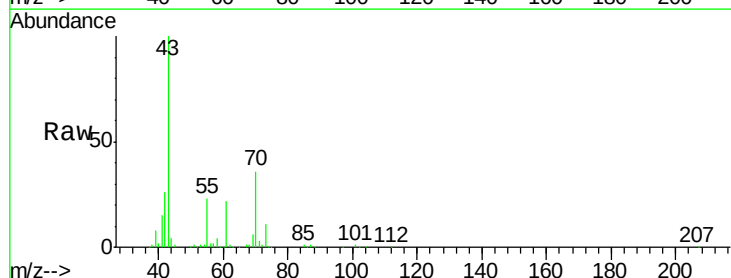
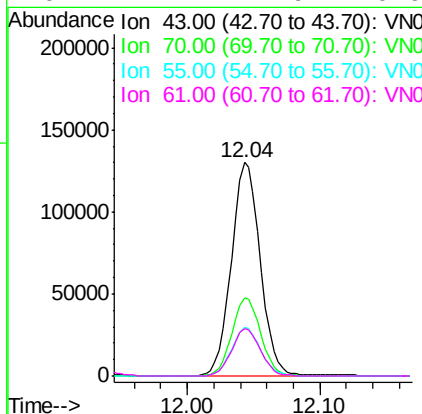
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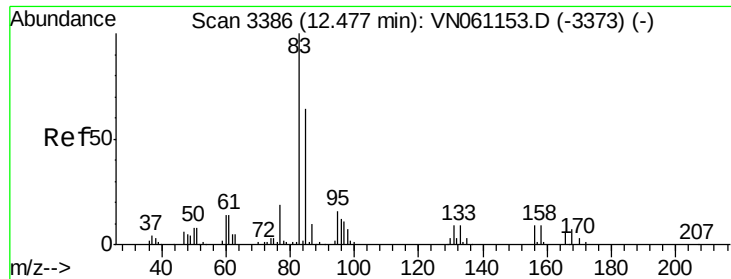
MMDadoda
5/1/2020 10:55:00 AM



#74
N-ethyl acetate
Concen: 54.465 ug/l
RT: 12.04 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	30.6	46.0
55	22.9	18.5	27.7
61	22.2	17.9	26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.301 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

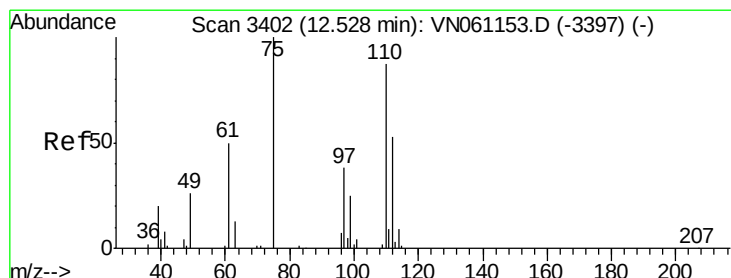
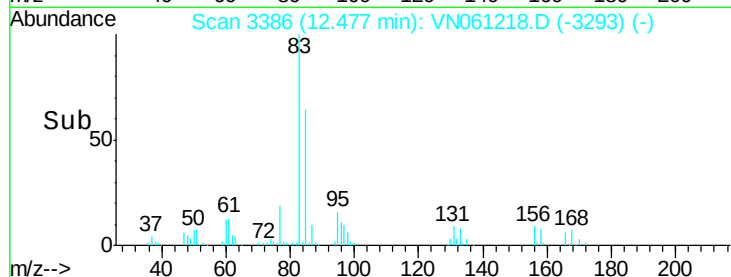
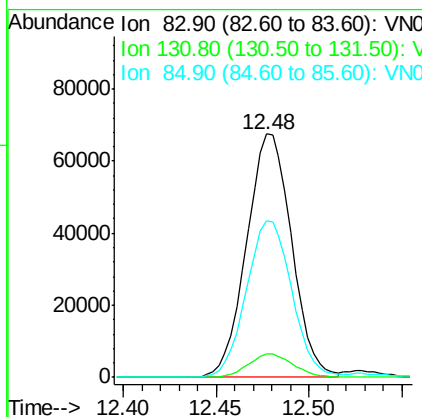
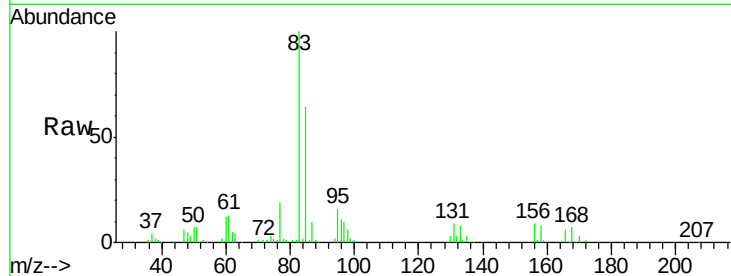
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	114326
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.7	32.0	96.0

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5/1/2020 10:55:00 AM



#76

1,2,3-Trichloropropane

Concen: 55.381 ug/l m

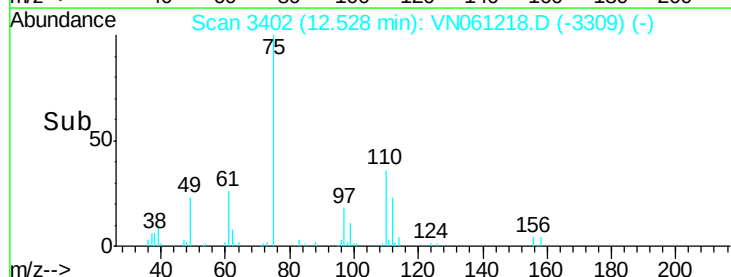
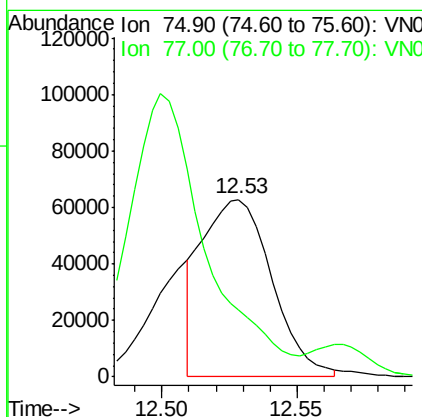
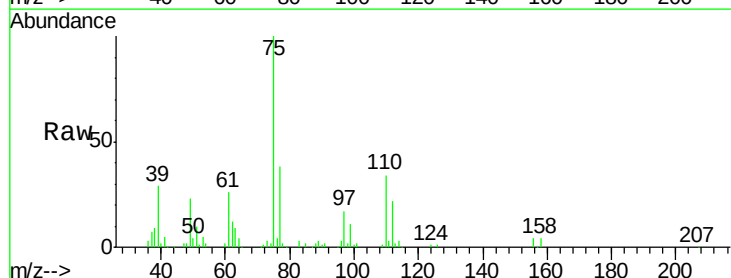
RT: 12.53 min Scan# 3402

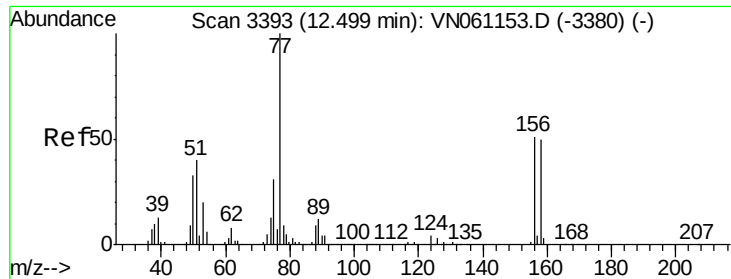
Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tgt Ion:	75	Resp:	113510
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.377 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:156 Resp: 83114

Ion Ratio Lower Upper

156 100

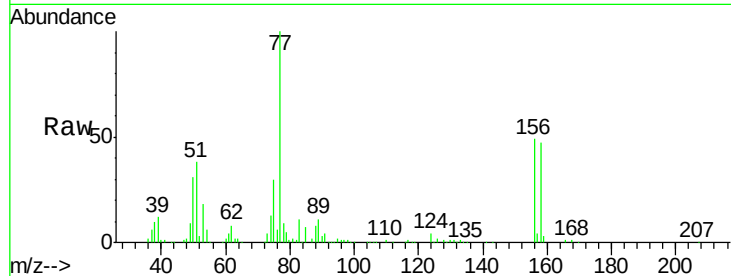
77 242.3 117.4 352.2

158 96.5 48.4 145.0

Manual Integrations
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MMDadoda

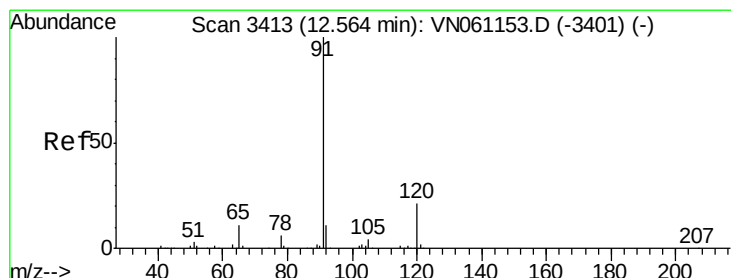
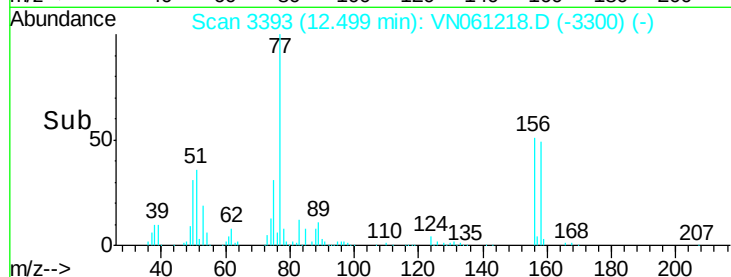
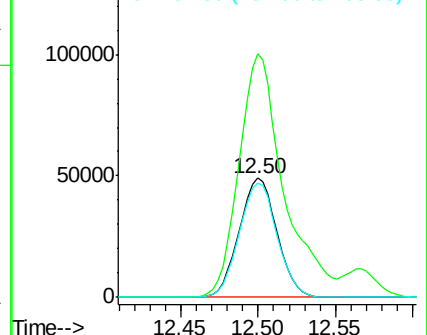
5/1/2020 10:55:00 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.437 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061218.D

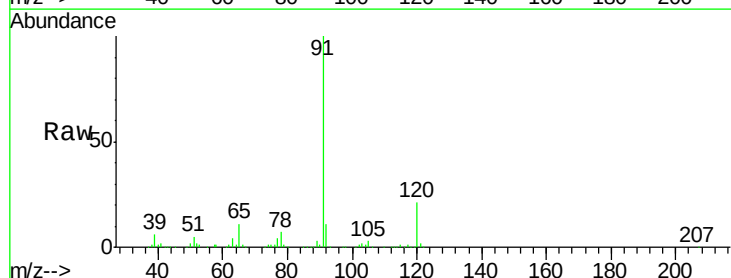
Acq: 30 Apr 2020 21:44

Tgt Ion: 91 Resp: 436039

Ion Ratio Lower Upper

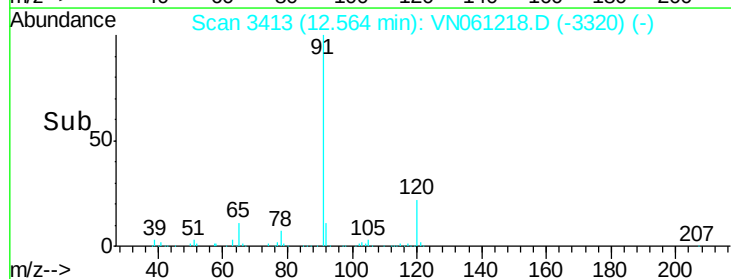
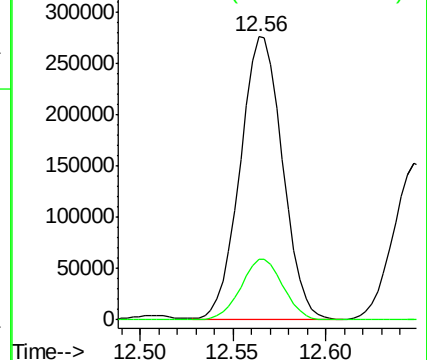
91 100

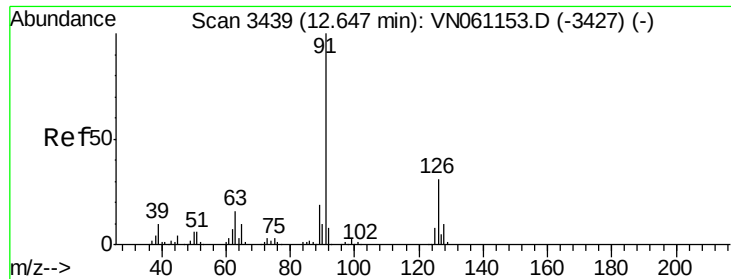
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.185 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 255034

Ion Ratio Lower Upper

91 100

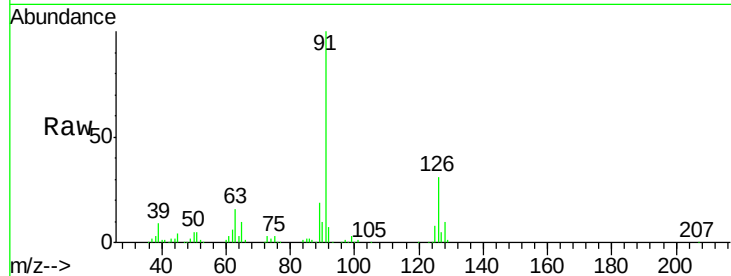
126 31.1 15.9 47.7

Manual Integrations

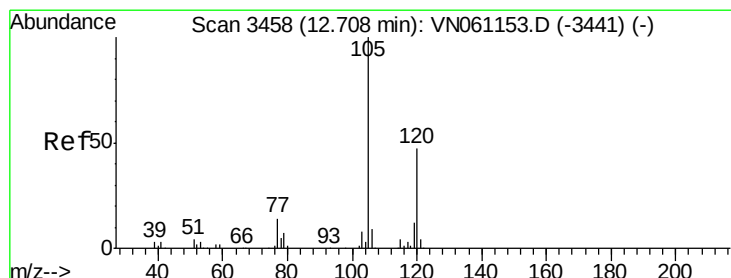
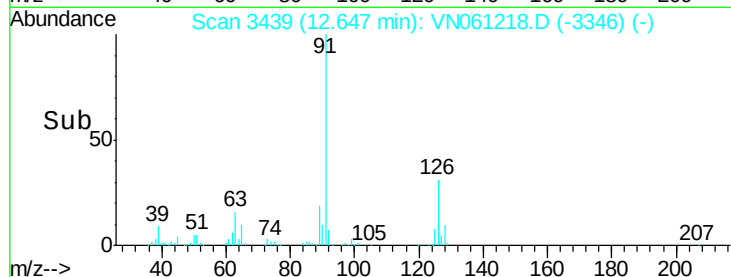
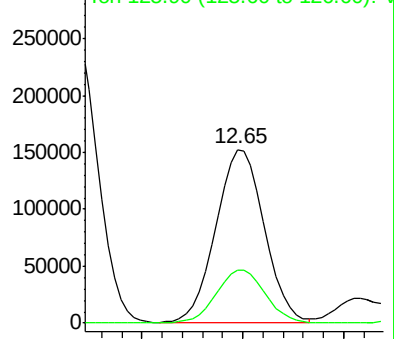
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5/1/2020 10:55:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VN061218.D (-3346) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.096 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061218.D

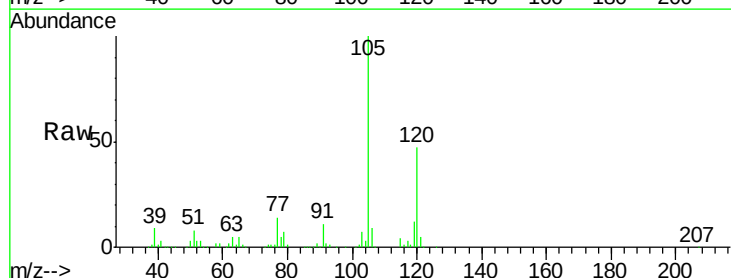
Acq: 30 Apr 2020 21:44

Tgt Ion: 105 Resp: 308161

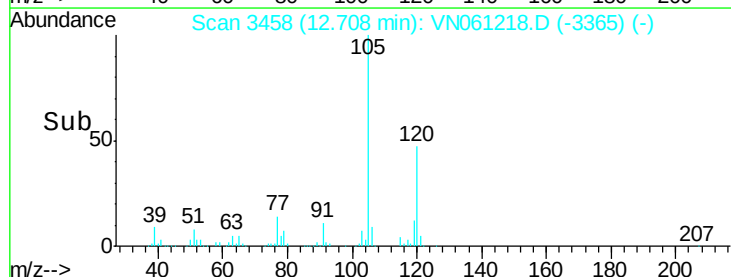
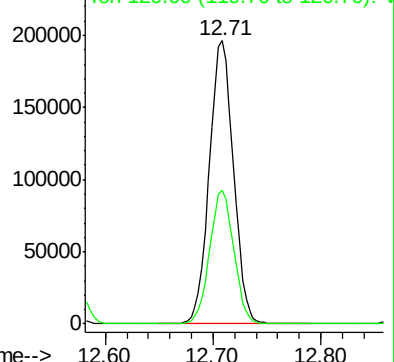
Ion Ratio Lower Upper

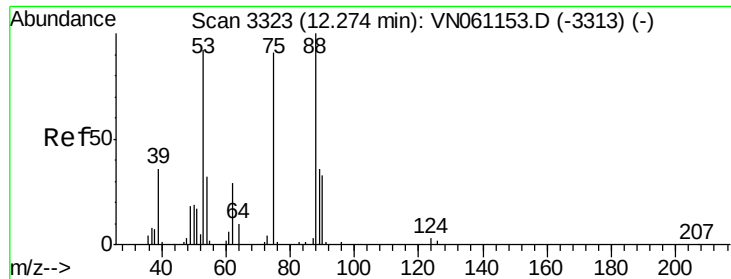
105 100

120 47.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061218.D (-3365) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.285 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

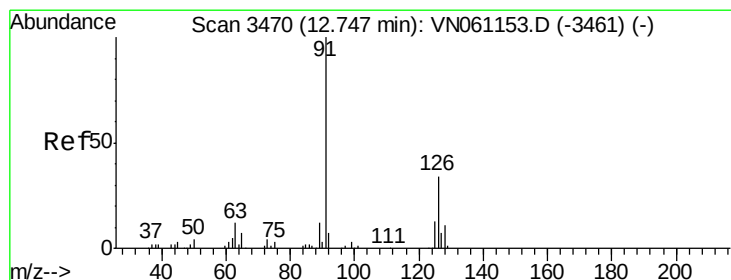
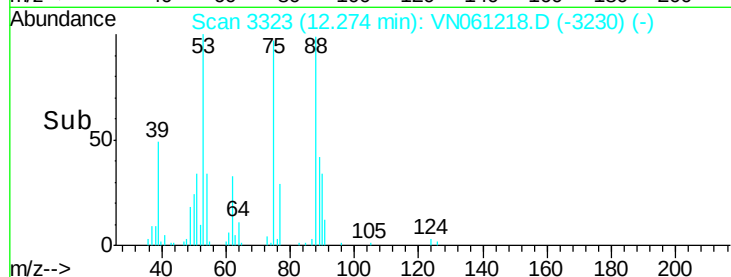
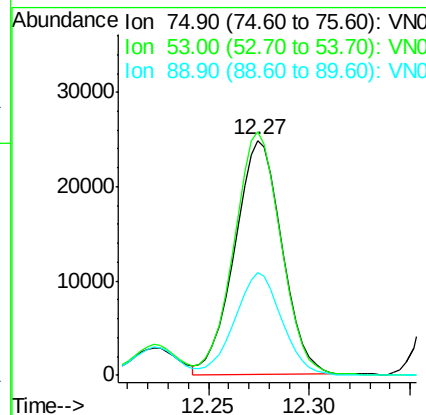
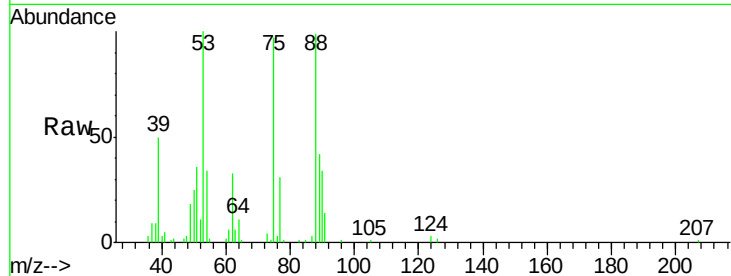
ClientSampled :

VSTDCCC050EC

Tot Ion	75	Resp	40585
Ion	Ratio	Lower	Upper
75	100		
53	104.1	84.1	126.1
89	43.8	35.2	52.8

Manual Integrations
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5/1/2020 10:55:00 AM



#82

4-Chlorotoluene

Concen: 51.283 ug/l

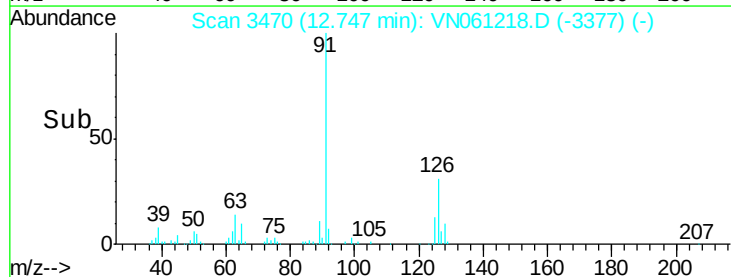
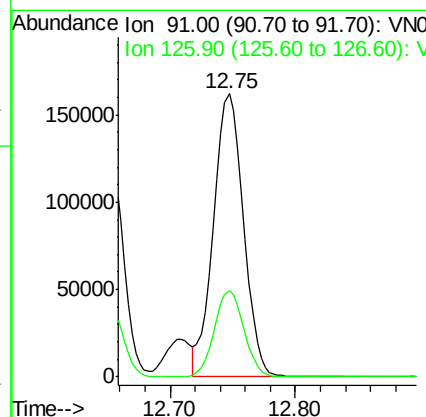
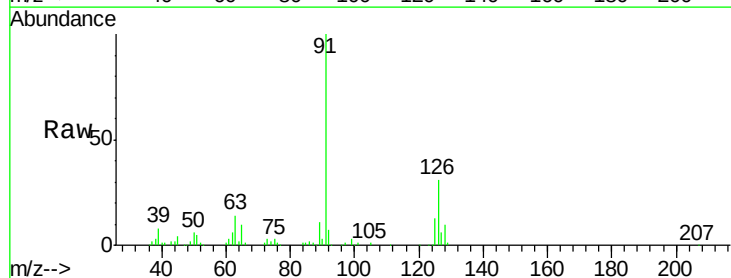
RT: 12.75 min Scan# 3470

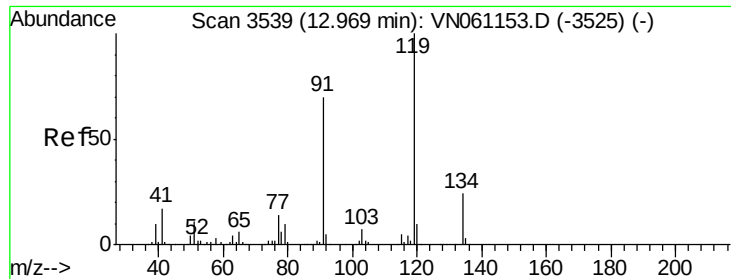
Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tgt Ion	91	Resp	269315
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.7	47.1





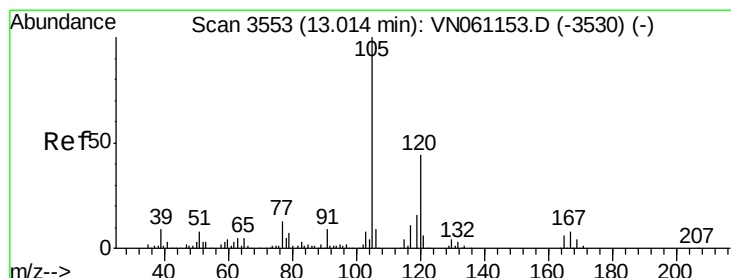
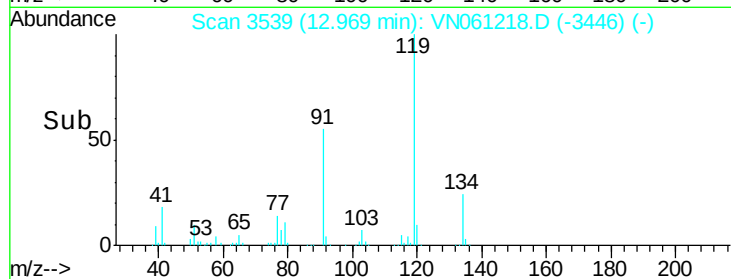
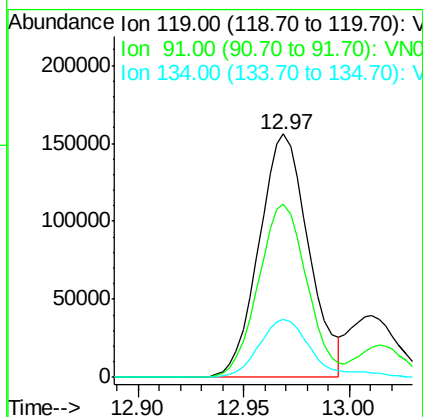
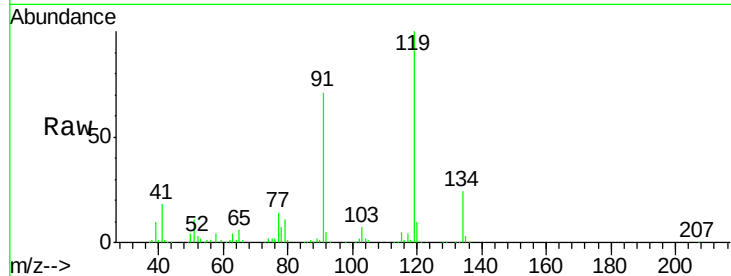
#83
 tert-Butylbenzene
 Concen: 51.235 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	255551		
91	70.0	34.8	104.4	
134	25.5	12.9	38.7	

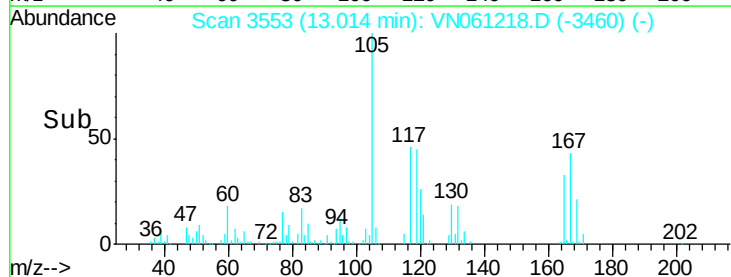
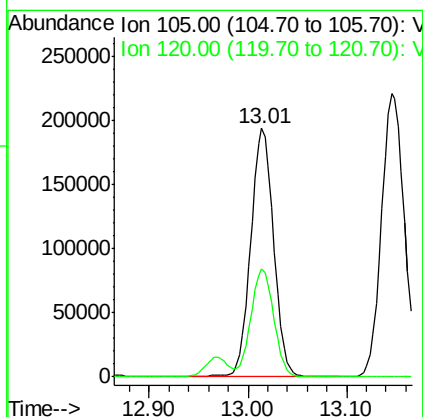
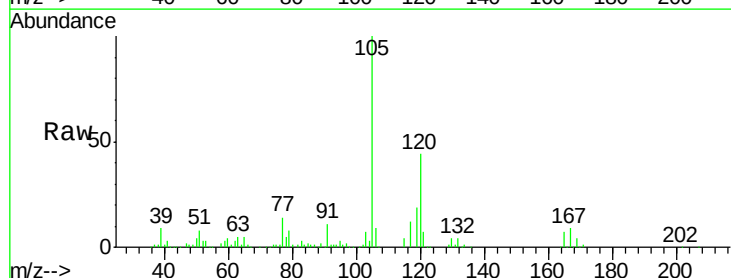
Manual Integrations
 APPROVED

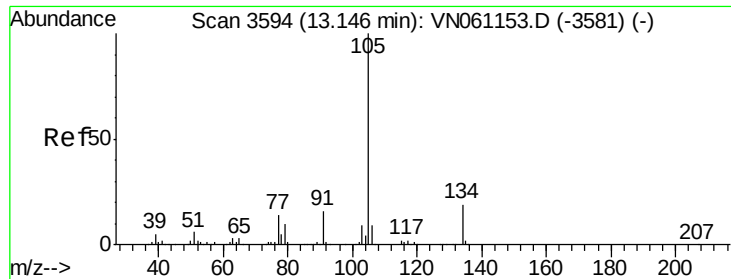
MMDadoda
 5/1/2020 10:55:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.750 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	309288		
120	43.6	22.2	66.6	





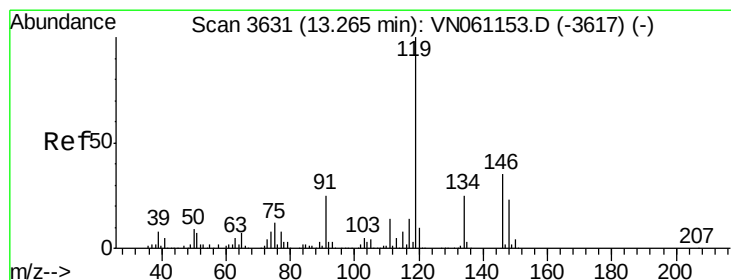
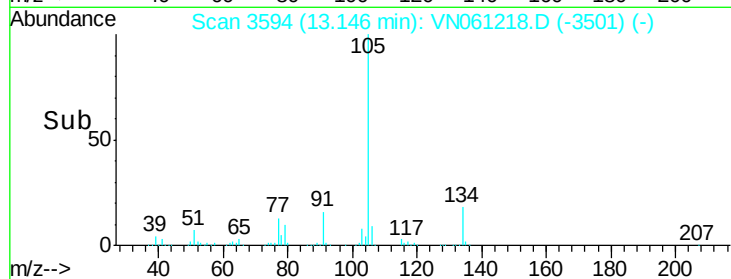
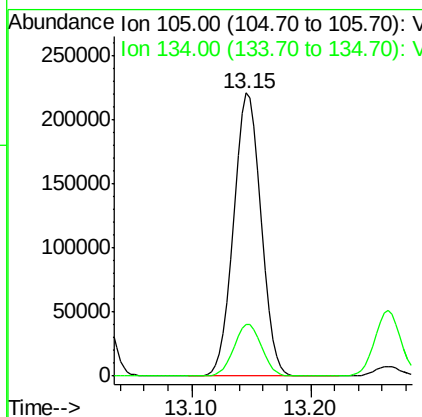
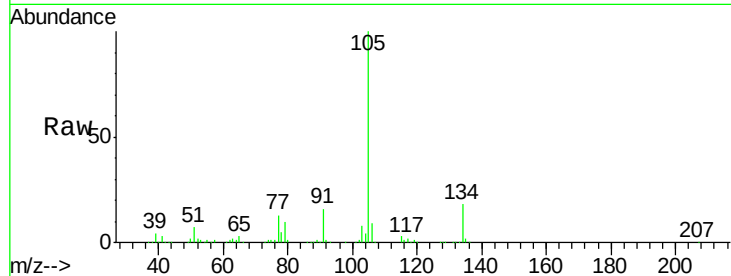
#85
 sec-Butylbenzene
 Concen: 51.975 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.6	28.8

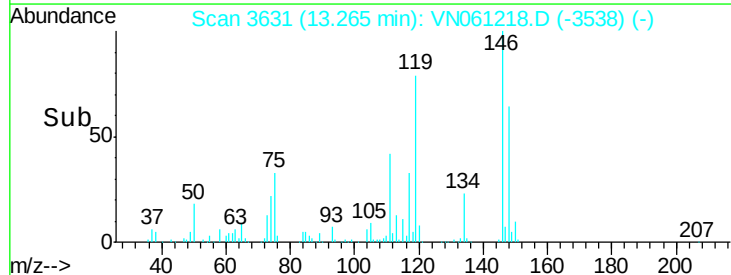
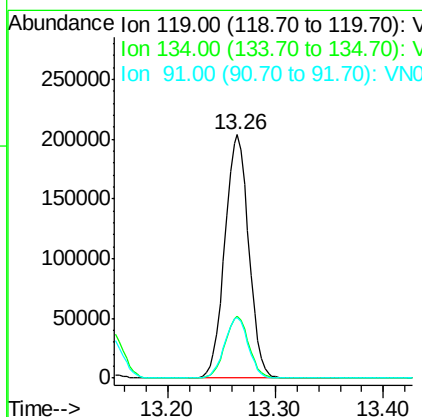
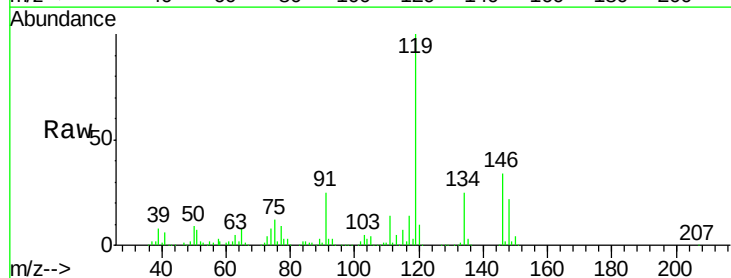
Manual Integrations
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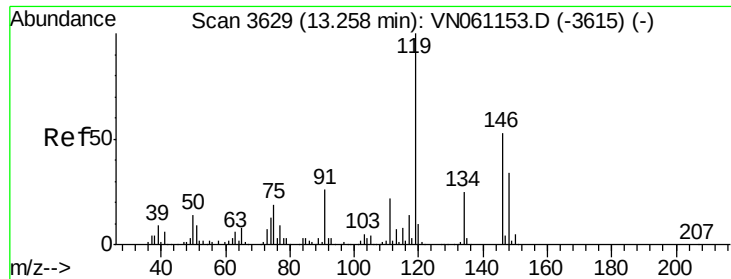
MMDadoda
 5/1/2020 10:55:00 AM



#86
 p-Isopropyltoluene
 Concen: 51.294 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.6	37.6
91	24.8	12.7	38.0





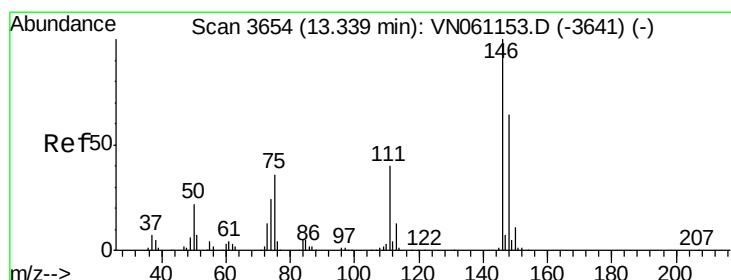
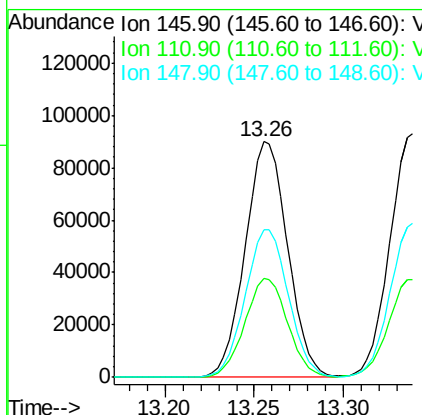
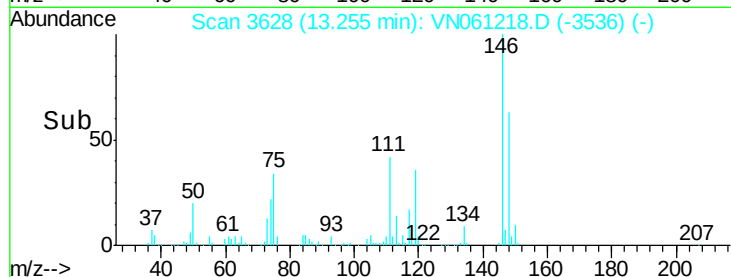
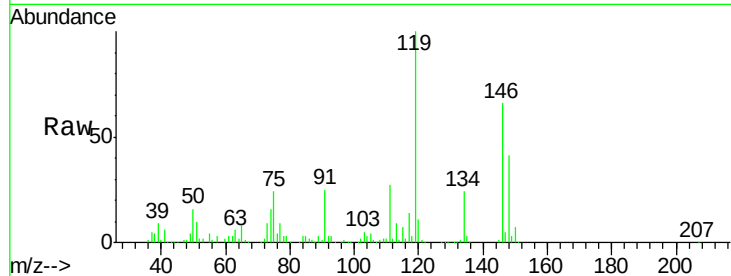
#87
 1,3-Dichlorobenzene
 Concen: 49.385 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.7	62.1
148	63.5	31.8	95.3

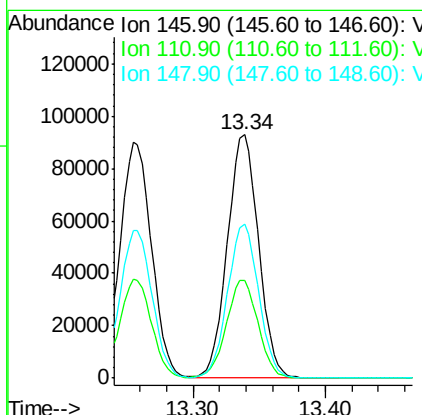
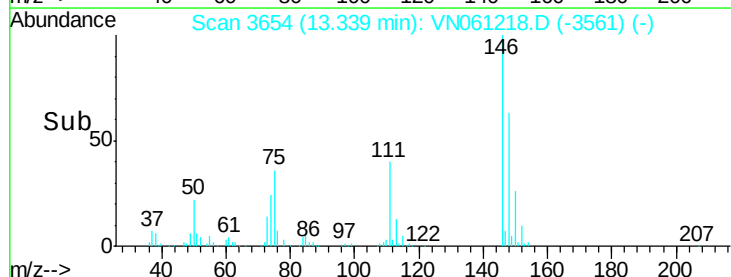
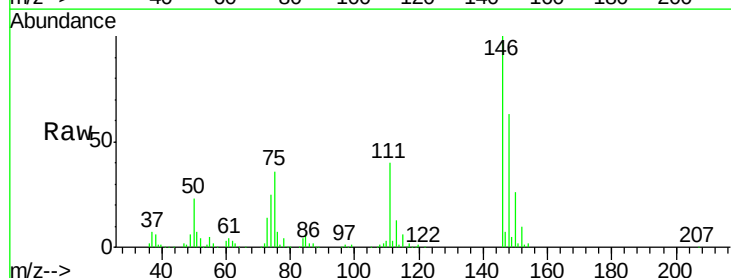
Manual Integrations
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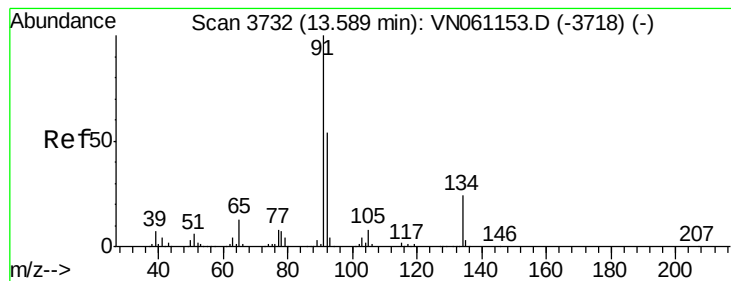
MMDadoda
 5/1/2020 10:55:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.022 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	63.0	31.9	95.7





#89

n-Butylbenzene

Concen: 51.794 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Instrument :

MSVOA_N

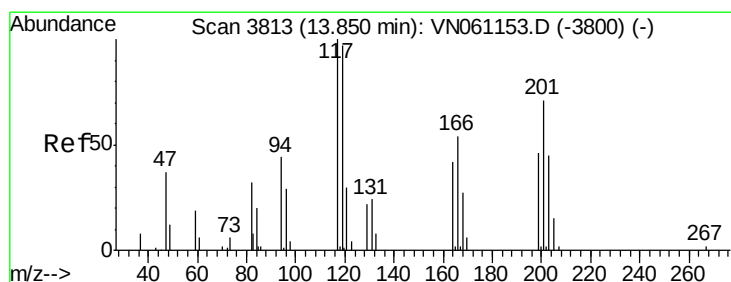
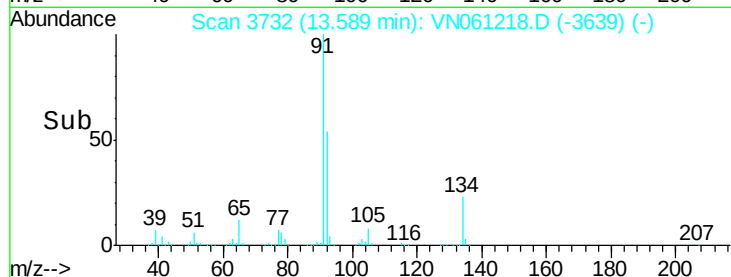
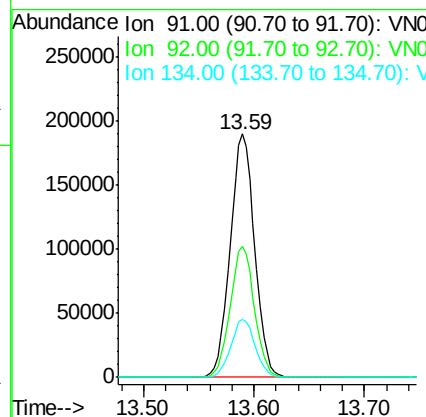
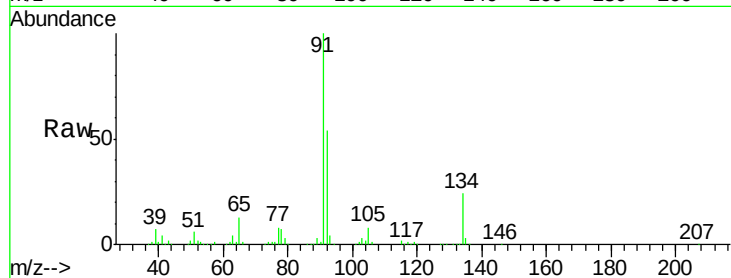
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	290915
Ion Ratio	Lower	Upper	
91	100		
92	53.3	26.8	80.3
134	23.7	11.9	35.5

Manual Integrations
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5/1/2020 10:55:00 AM



#90

Hexachloroethane

Concen: 53.207 ug/l

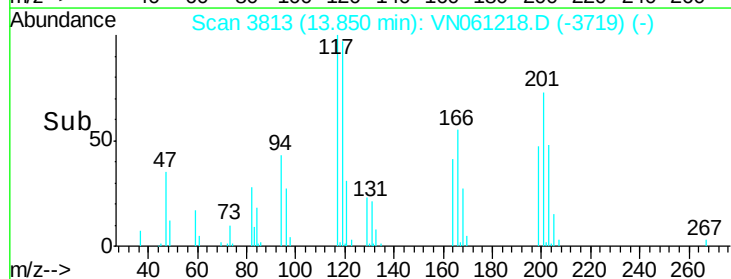
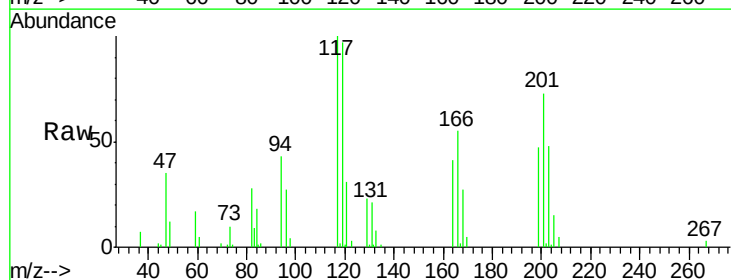
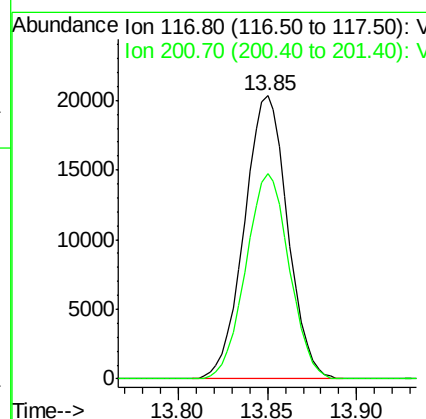
RT: 13.85 min Scan# 3813

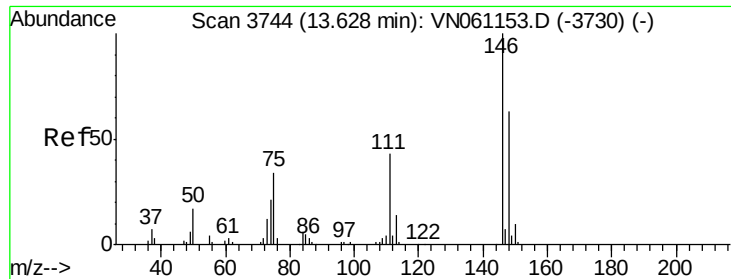
Delta R.T. 0.00 min

Lab File: VN061218.D

Acq: 30 Apr 2020 21:44

Tgt Ion:	117	Resp:	34372
Ion Ratio	Lower	Upper	
117	100		
201	72.8	35.5	106.7





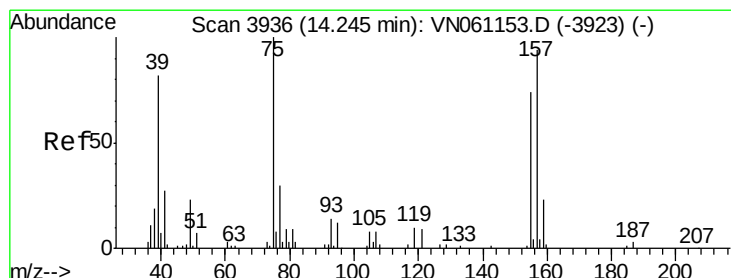
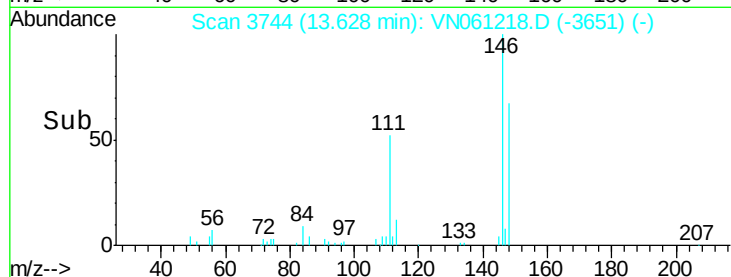
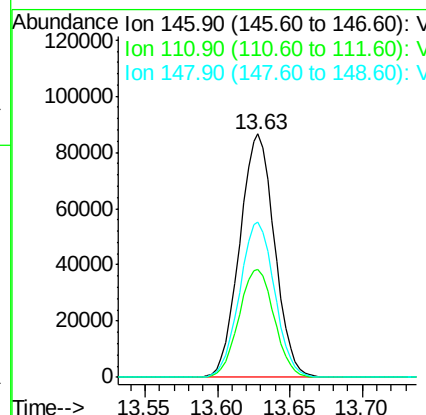
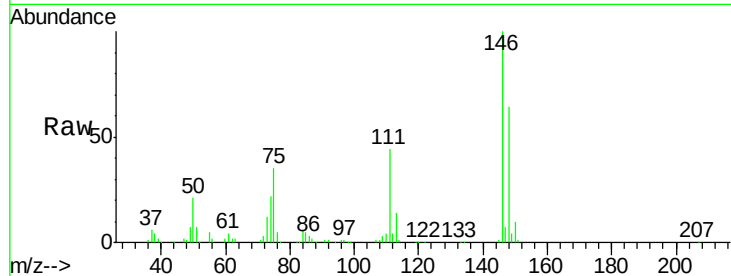
#91
 1,2-Dichlorobenzene
 Concen: 49.658 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	144614
Ion Ratio	Lower	Upper	
146	100		
111	45.0	21.8	65.3
148	64.0	31.6	95.0

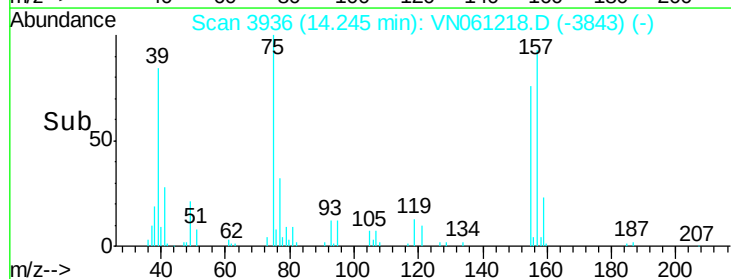
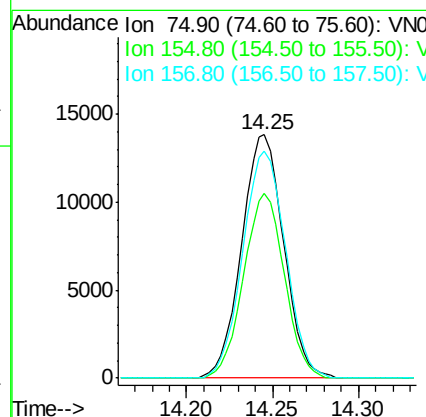
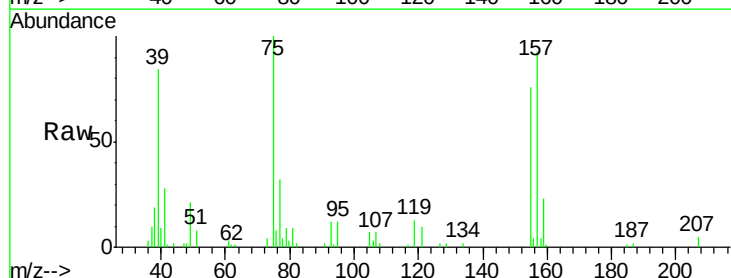
Manual Integrations
 APPROVED

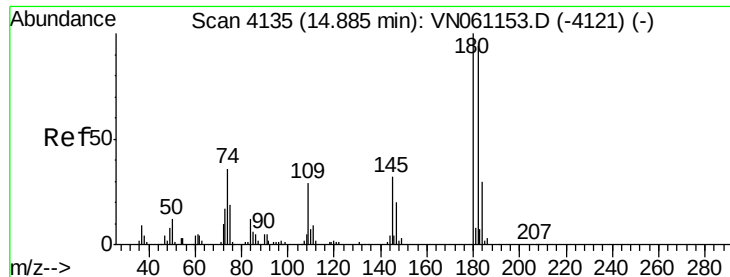
MMDadoda
 5/1/2020 10:55:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.131 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion:	75	Resp:	23595
Ion Ratio	Lower	Upper	
75	100		
155	73.3	36.5	109.7
157	94.6	46.6	139.7





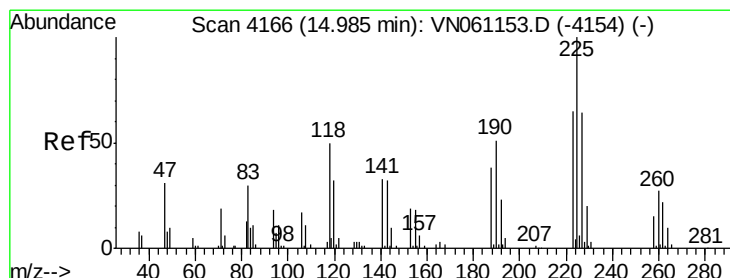
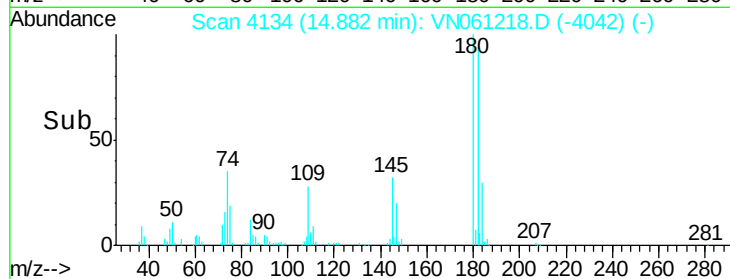
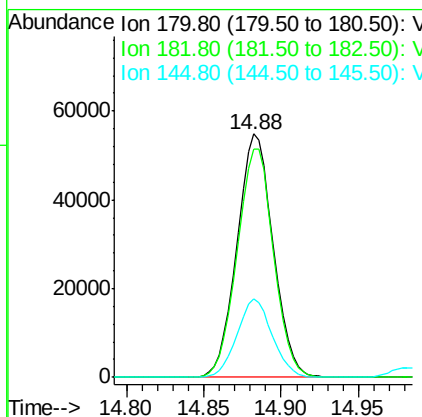
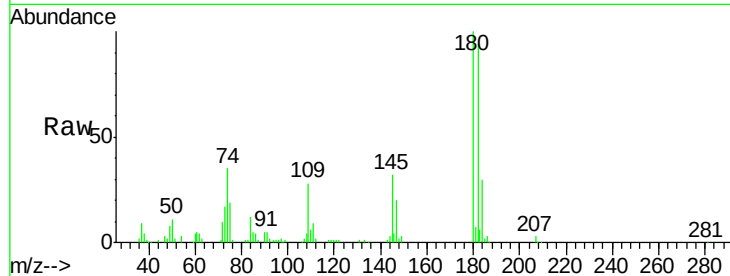
#93
 1,2,4-Trichlorobenzene
 Concen: 50.185 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.3	141.9	
145	31.4	16.0	47.9	

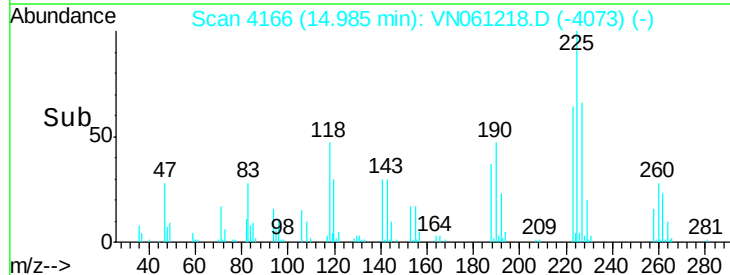
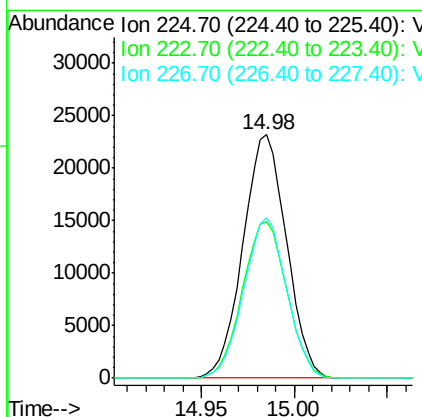
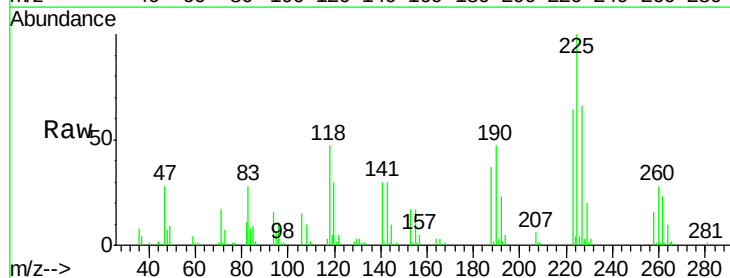
Manual Integrations
 APPROVED

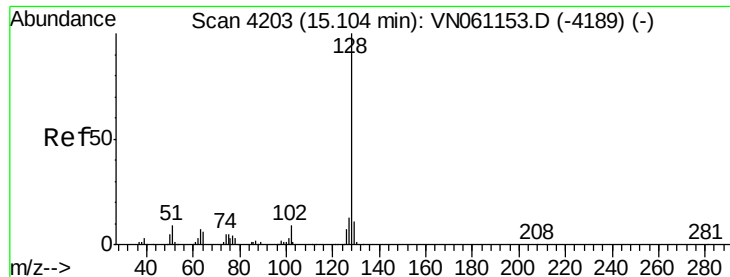
MMDadoda
 5/1/2020 10:55:00 AM



#94
 Hexachlorobutadiene
 Concen: 50.975 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061218.D
 Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.5	32.4	97.0	
227	64.7	32.4	97.0	





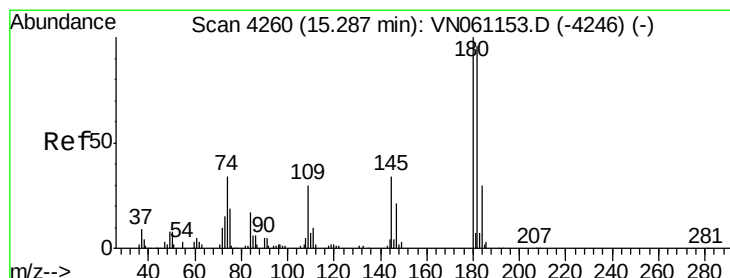
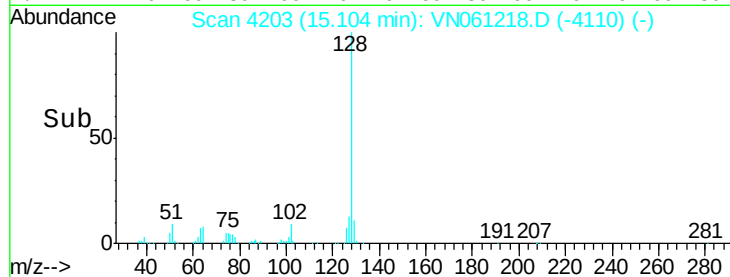
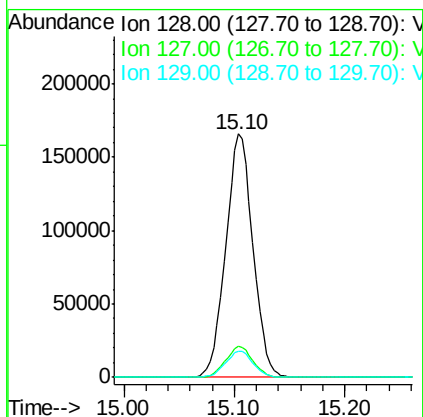
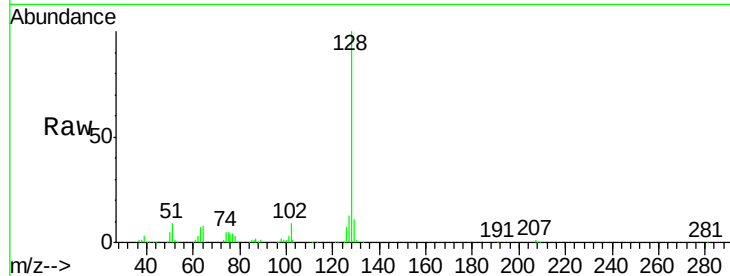
#95
Naphthalene
Concen: 49.058 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	283328		
127	12.7		10.4	15.6
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/1/2020 10:55:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.430 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061218.D
Acq: 30 Apr 2020 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88296		
182	94.4		47.5	142.5
145	33.0		16.9	50.7

