

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061063.D
 Acq On : 17 Apr 2020 19:55
 Operator : JC/MD
 Sample : L2337-05MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:20:28 AM

Quant Time: Apr 20 04:21:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	149175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	255722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112039	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	95465	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.56	113	73815	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.08	98	264819	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
62) 4-Bromofluorobenzene	12.39	95	105766	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88277	44.810	ug/l	99
3) Chloromethane	2.04	50	131349	49.645	ug/l	97
4) Vinyl Chloride	2.17	62	108053	49.144	ug/l	99
5) Bromomethane	2.54	94	51843	47.019	ug/l	100
6) Chloroethane	2.68	64	66139	52.147	ug/l	97
7) Trichlorofluoromethane	3.00	101	134644	49.189	ug/l	99
8) Diethyl Ether	3.38	74	55636	51.139	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	71042	44.236	ug/l	99
10) Methyl Iodide	3.93	142	76459	53.967	ug/l	99
11) Tert butyl alcohol	4.73	59	90692	267.816	ug/l	100
12) 1,1-Dichloroethene	3.72	96	79642	48.787	ug/l	98
13) Acrolein	3.57	56	68923	241.053	ug/l	100
14) Allyl chloride	4.29	41	143531	46.469	ug/l	98
15) Acrylonitrile	4.94	53	252537	275.044	ug/l	99
16) Acetone	3.78	43	209422	249.291	ug/l	99
17) Carbon Disulfide	4.03	76	226945	44.428	ug/l	100
18) Methyl Acetate	4.28	43	134982	51.241	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	287708	50.545	ug/l	99
20) Methylene Chloride	4.52	84	92207	50.272	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	83143	47.619	ug/l	97
22) Diisopropyl ether	5.91	45	326911	50.961	ug/l	97
23) Vinyl Acetate	5.86	43	1234701	245.447	ug/l	100
24) 1,1-Dichloroethane	5.82	63	174586	50.390	ug/l	99
25) 2-Butanone	6.80	43	343313	266.693	ug/l	99
26) 2,2-Dichloropropane	6.79	77	123356	42.761	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	99636	49.705	ug/l	98
28) Bromochloromethane	7.17	49	80863	50.845	ug/l	99
29) Tetrahydrofuran	7.18	42	238050	272.390	ug/l	100
30) Chloroform	7.35	83	164202	50.811	ug/l	98
31) Cyclohexane	7.63	56	154326	43.407	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	139633	49.954	ug/l	99
36) 1,1-Dichloropropene	7.77	75	125680	47.627	ug/l	100
37) Ethyl Acetate	6.89	43	142182	49.622	ug/l	100
38) Carbon Tetrachloride	7.75	117	111246	50.647	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	133859	42.430	ug/l	100
40) Benzene	8.02	78	384499	49.115	ug/l	100
41) Methacrylonitrile	7.14	41	62202m	52.046	ug/l	
42) 1,2-Dichloroethane	8.10	62	134326	50.369	ug/l	100
43) Isopropyl Acetate	8.14	43	233022	50.003	ug/l	100
44) Trichloroethene	8.82	130	93362	47.462	ug/l	99
45) 1,2-Dichloropropane	9.10	63	105829	50.049	ug/l	99
46) Dibromomethane	9.19	93	62706	51.435	ug/l	99
47) Bromodichloromethane	9.38	83	129943	50.454	ug/l	100
48) Methyl methacrylate	9.18	41	108002	52.443	ug/l	99
49) 1,4-Dioxane	9.18	88	29946	1046.591	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	719825	267.952	ug/l	100
52) Toluene	10.14	92	227580	48.458	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	143723	48.042	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	155143	47.530	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	89422	50.314	ug/l	97
56) Ethyl methacrylate	10.42	69	147209	52.674	ug/l	99
57) 1,3-Dichloropropane	10.70	76	159195	50.217	ug/l	99
59) 2-Hexanone	10.74	43	528620	272.854	ug/l	100
60) Dibromochloromethane	10.89	129	94096	51.540	ug/l	99
61) 1,2-Dibromoethane	10.99	107	92357	50.997	ug/l	99
64) Tetrachloroethene	10.62	164	86835	48.222	ug/l	97
65) Chlorobenzene	11.42	112	231112	47.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	85518	49.204	ug/l	99
67) Ethyl Benzene	11.50	91	438521	47.989	ug/l	100
68) m/p-Xylenes	11.61	106	320358	97.006	ug/l	100
69) o-Xylene	11.94	106	154497	48.657	ug/l	99
70) Styrene	11.96	104	246388	48.199	ug/l	100
71) Bromoform	12.12	173	67922	52.355	ug/l #	100
73) Isopropylbenzene	12.24	105	412847	45.995	ug/l	100
74) N-amyl acetate	12.06	43	194160	46.515	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	135951	49.617	ug/l	99
76) 1,2,3-Trichloropropane	12.54	75	117928m	47.853	ug/l	
77) Bromobenzene	12.52	156	97648	46.594	ug/l	99
78) n-propylbenzene	12.59	91	487156	46.388	ug/l	100
79) 2-Chlorotoluene	12.67	91	285117	46.291	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	347304	46.811	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	45021	45.061	ug/l	98
82) 4-Chlorotoluene	12.77	91	294480	46.099	ug/l	100
83) tert-Butylbenzene	12.99	119	288541	46.244	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	346725	47.278	ug/l	100
85) sec-Butylbenzene	13.17	105	387720	45.861	ug/l	100
86) p-Isopropyltoluene	13.28	119	346557	46.034	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	171724	45.978	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	170285	45.320	ug/l	100
89) n-Butylbenzene	13.61	91	310144	44.302	ug/l	99
90) Hexachloroethane	13.87	117	52460	45.420	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	168514	47.273	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	28150	53.085	ug/l	98
93) 1,2,4-Trichlorobenzene	14.90	180	95363	45.198	ug/l	99

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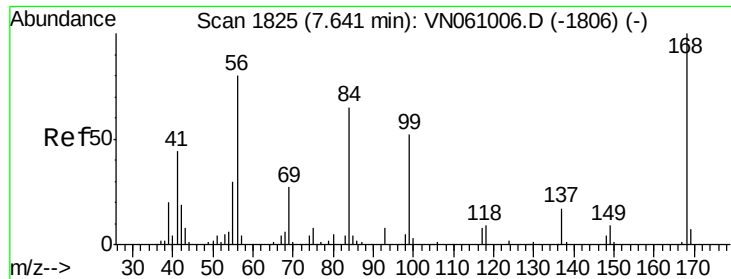
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	44332	40.844	ug/l	99
95) Naphthalene	15.13	128	297179	48.297	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	93116	45.796	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061063.D

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Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion:168 Resp: 149175

Ion Ratio Lower Upper

168 100

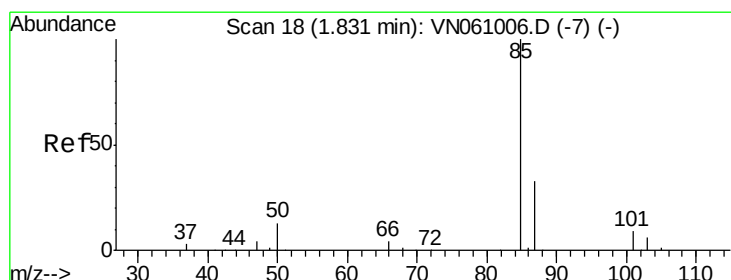
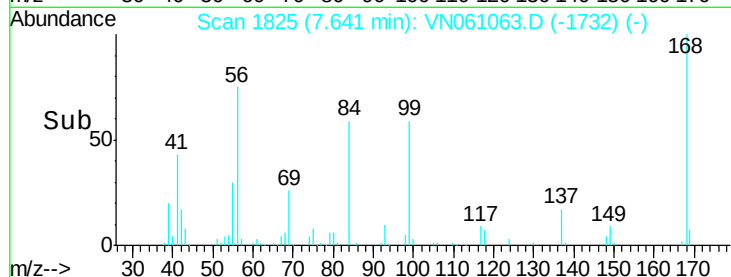
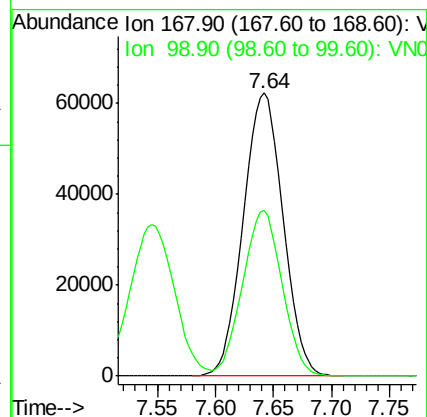
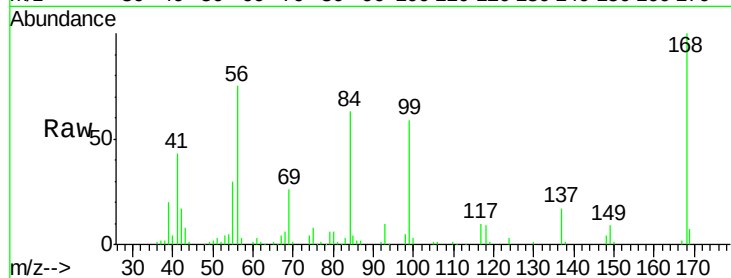
99 58.6 47.4 71.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.810 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061063.D

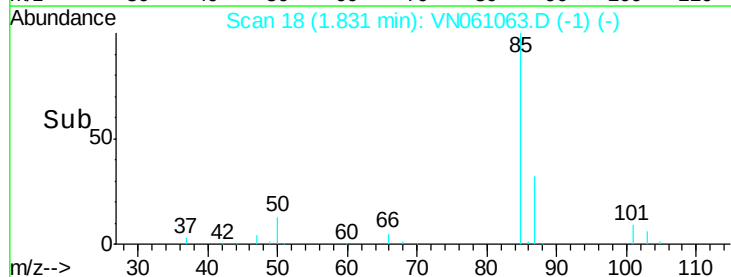
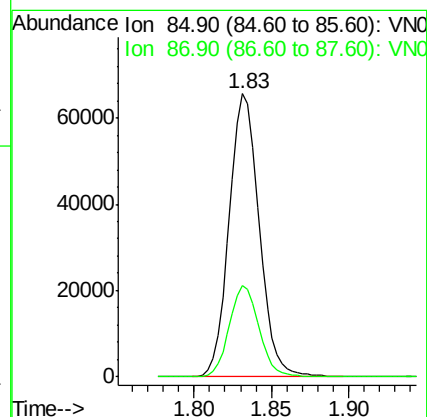
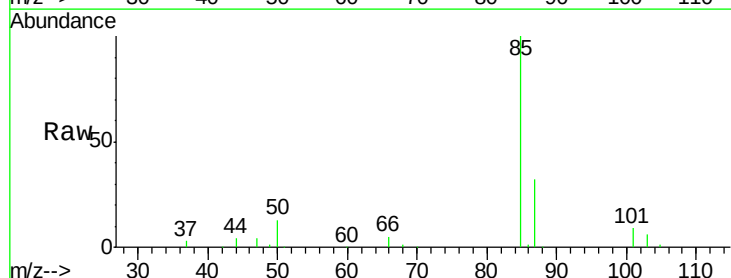
Acq: 17 Apr 2020 19:55

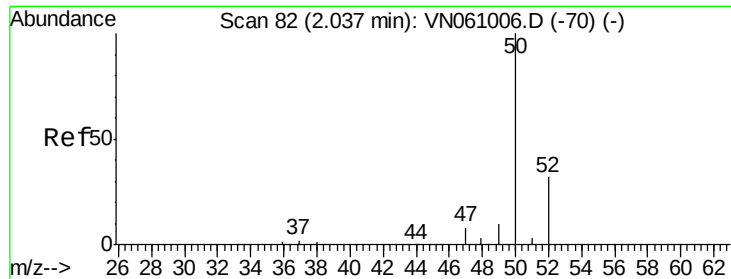
Tgt Ion: 85 Resp: 88277

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9





#3

Chloromethane

Concen: 49.645 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061063.D

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Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion: 50 Resp: 131349

Ion Ratio Lower Upper

50 100

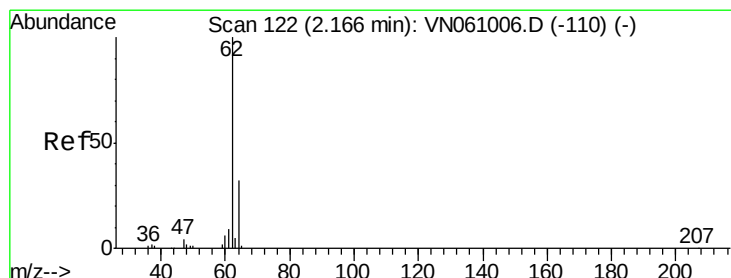
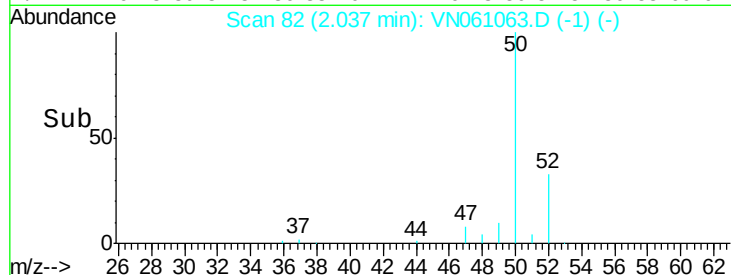
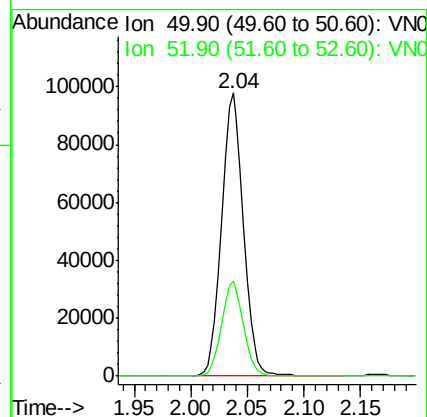
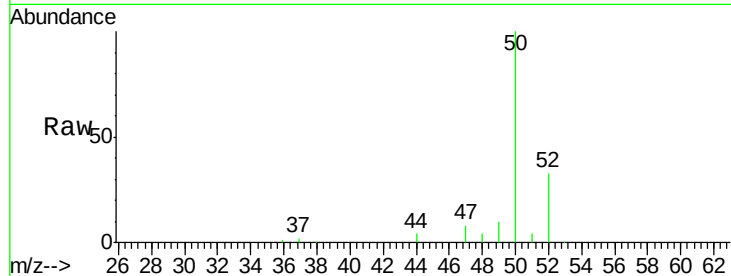
52 33.5 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.144 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061063.D

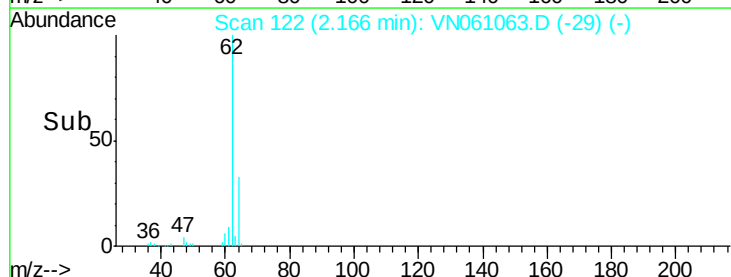
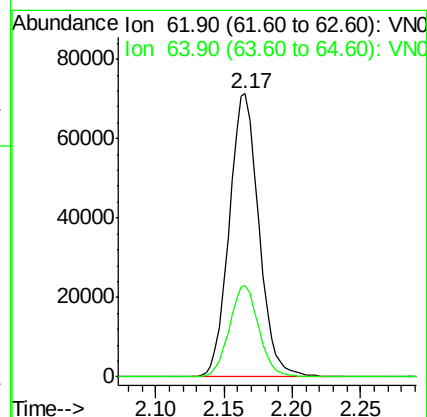
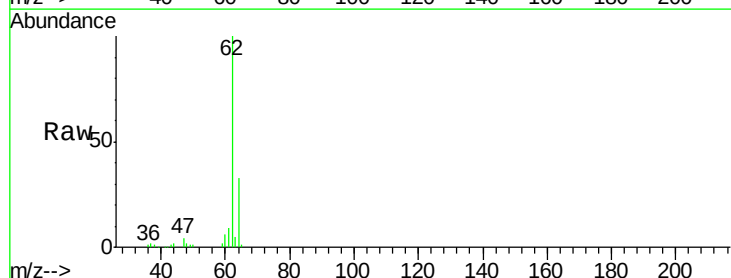
Acq: 17 Apr 2020 19:55

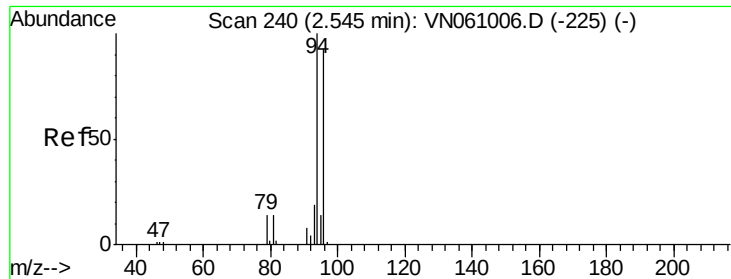
Tgt Ion: 62 Resp: 108053

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 47.019 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061063.D

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Tot Ion: 94 Resp: 51843

Ion Ratio Lower Upper

94 100

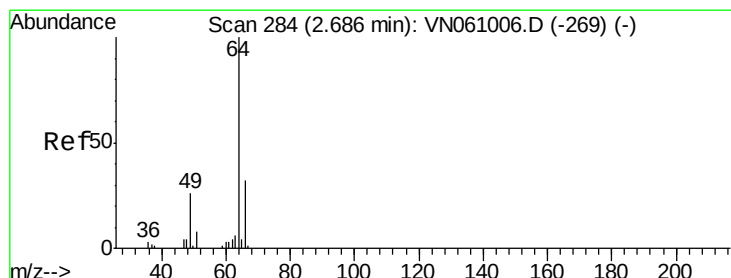
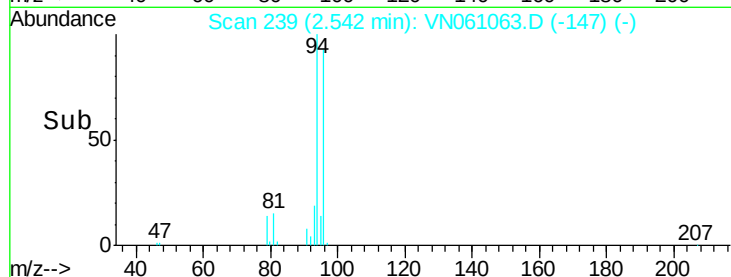
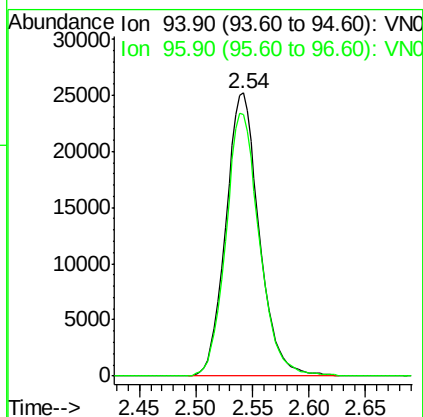
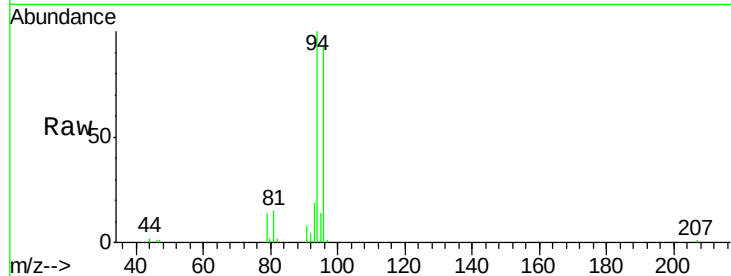
96 92.5 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 52.147 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061063.D

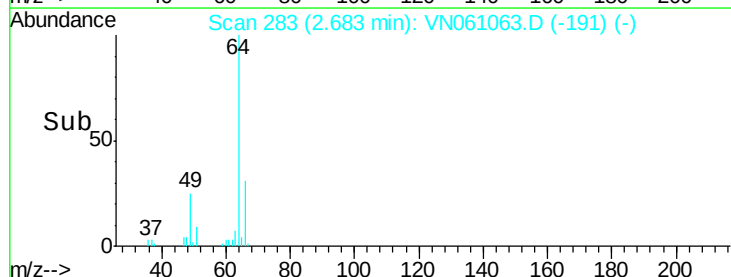
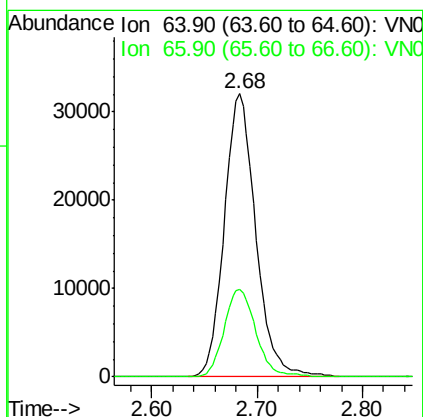
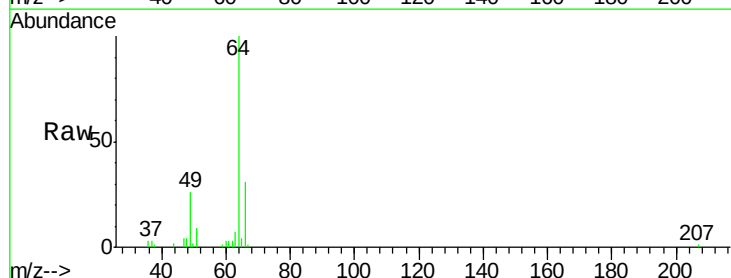
Acq: 17 Apr 2020 19:55

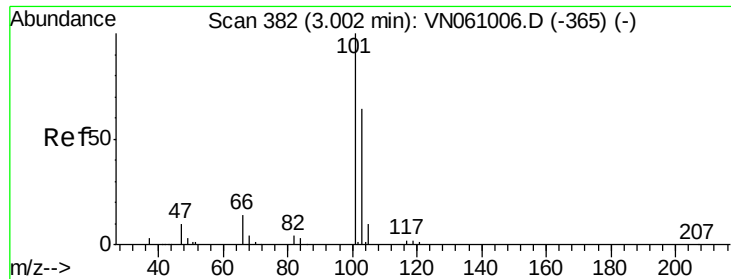
Tgt Ion: 64 Resp: 66139

Ion Ratio Lower Upper

64 100

66 30.9 25.8 38.8





#7

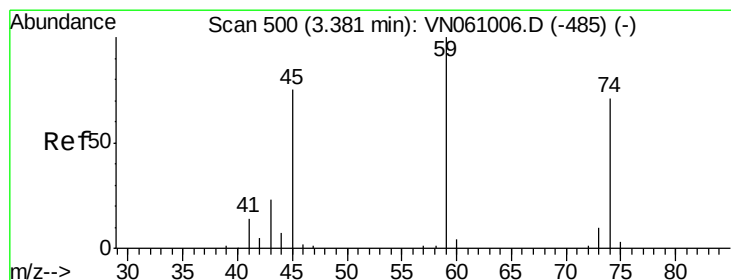
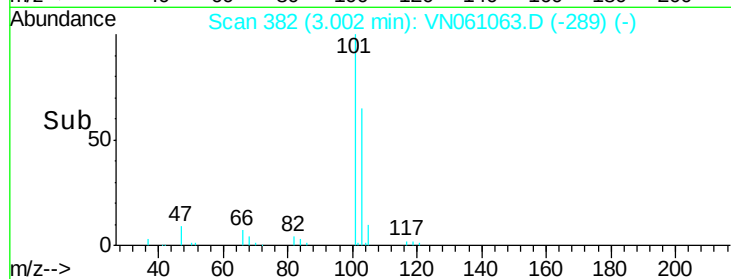
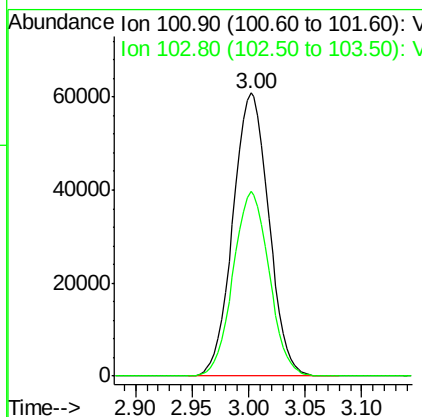
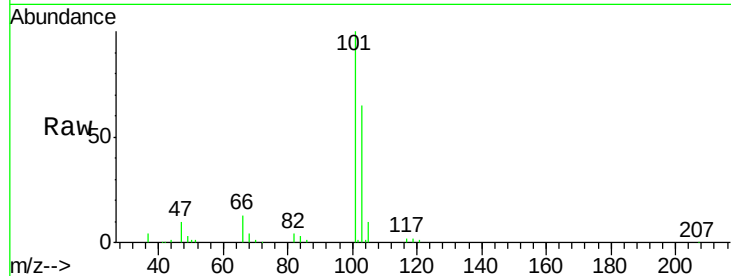
Trichlorofluoromethane
 Concen: 49.189 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN061063.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		134644		
103	65.4	51.4	77.2		

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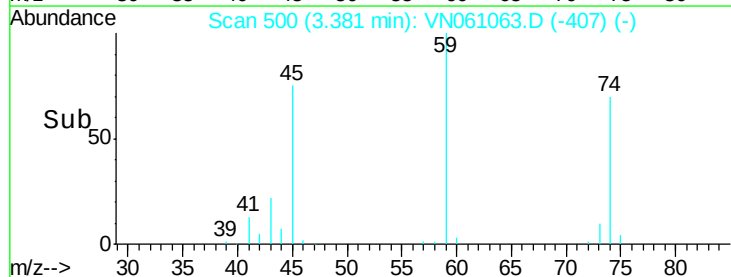
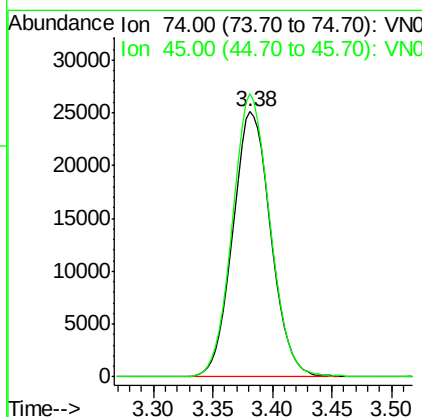
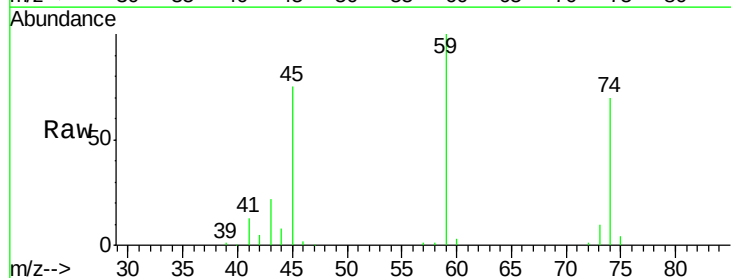
MMDadoda
 4/20/2020 10:20:28 AM

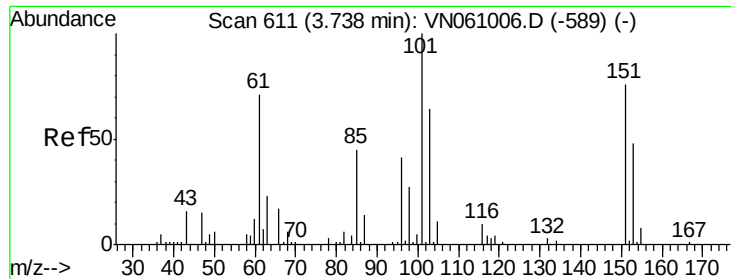


#8

Diethyl Ether
 Concen: 51.139 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		55636		
45	105.4	52.9	158.8		





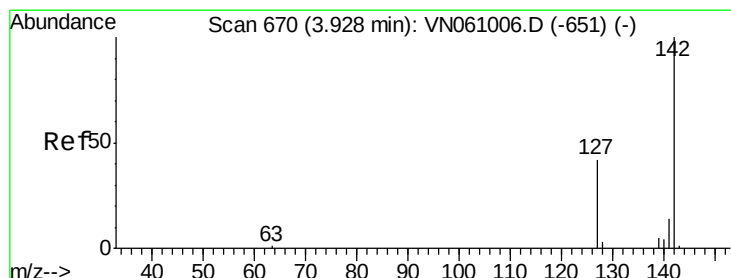
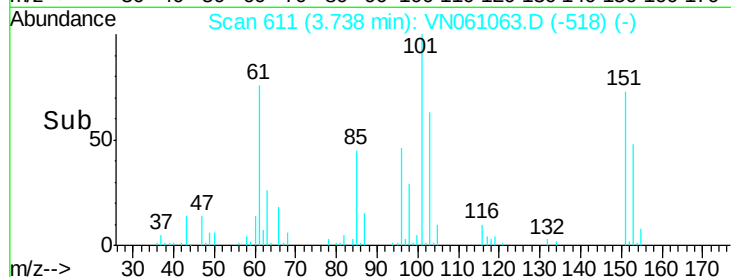
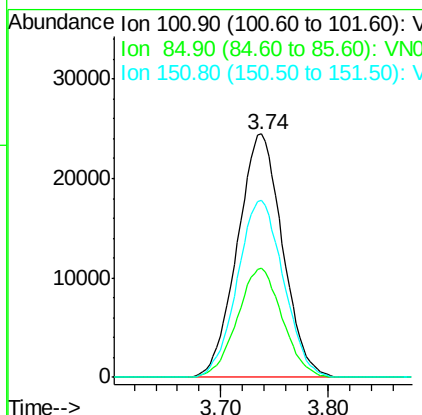
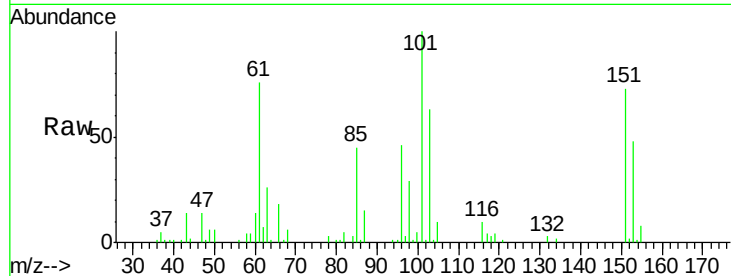
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.236 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN061063.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.9	53.9
151	74.2	60.8	91.2

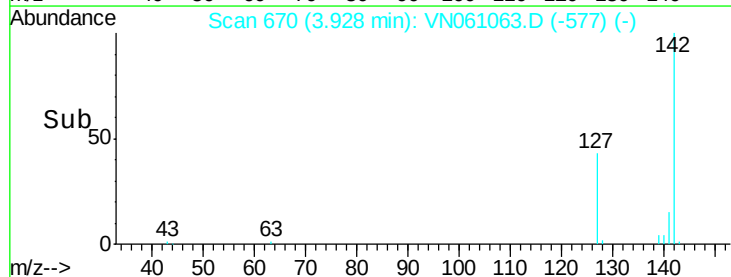
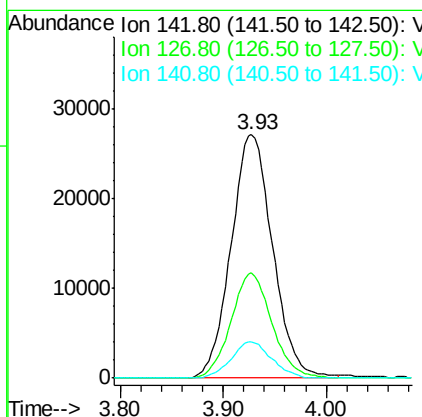
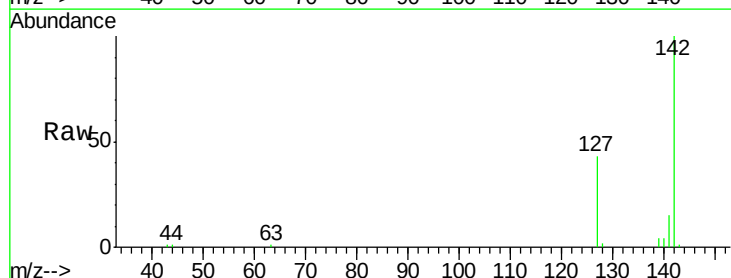
Manual Integrations
 APPROVED

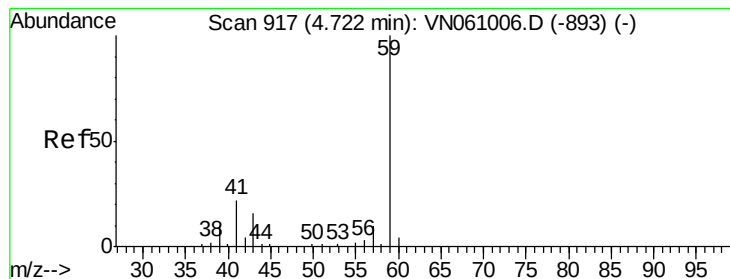
MMDadoda
 4/20/2020 10:20:28 AM



#10
 Methyl Iodide
 Concen: 53.967 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.2	33.4	50.2
141	14.4	11.0	16.6





#11

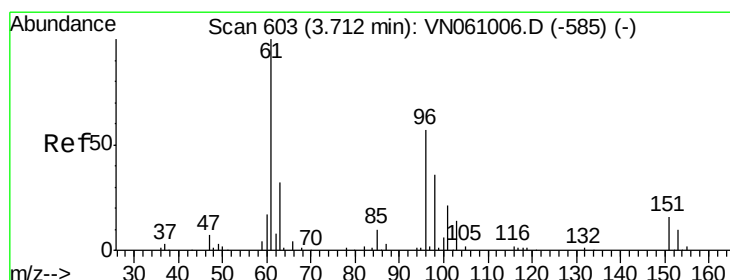
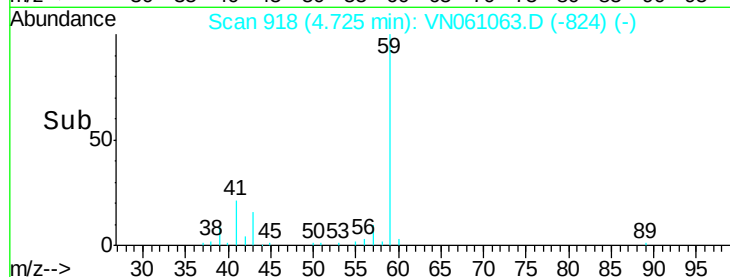
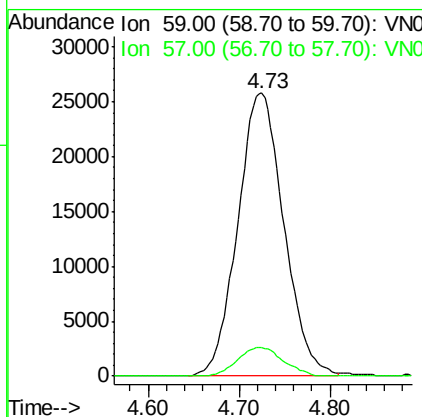
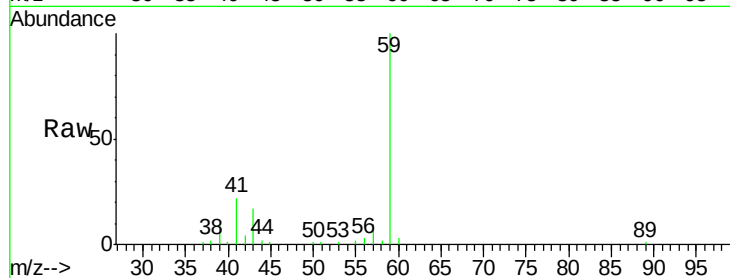
Tert butyl alcohol
Concen: 267.816 ug/l
RT: 4.73 min Scan# 918
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

Manual Integrations
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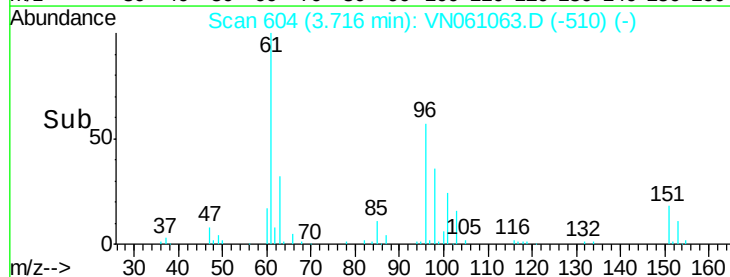
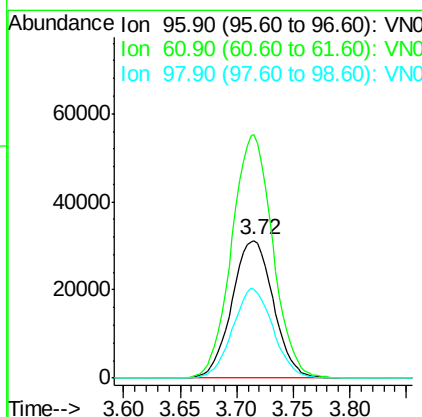
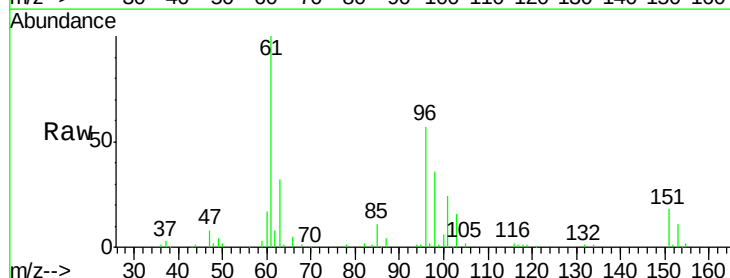
MMDadoda
4/20/2020 10:20:28 AM

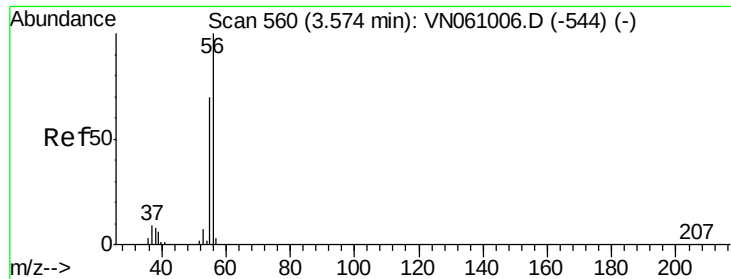


#12

1,1-Dichloroethene
Concen: 48.787 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.1	139.2	208.8
98	64.4	50.0	75.0





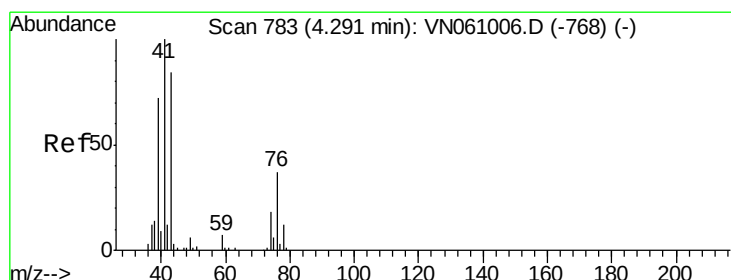
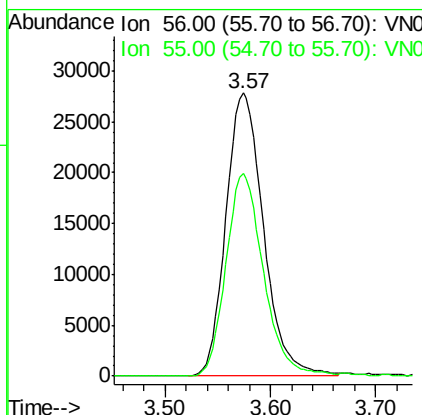
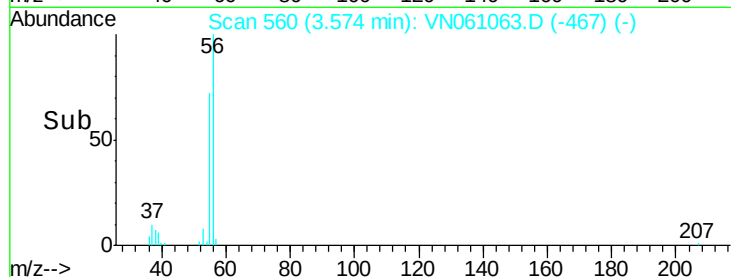
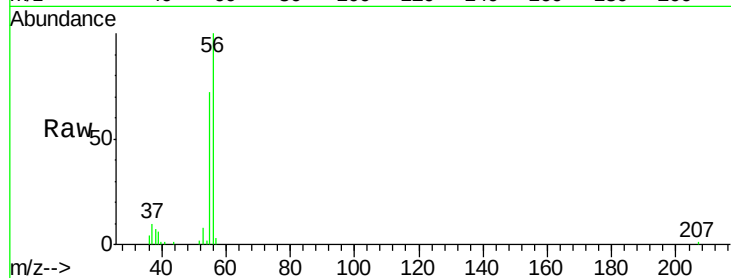
#13
Acrolein
Concen: 241.053 ug/l
RT: 3.57 min Scan# 560
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	56	Resp	68923
Ion Ratio	100	Lower	Upper
56	100		
55	71.3	57.0	85.6

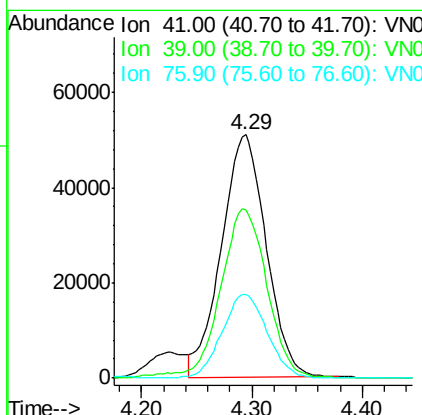
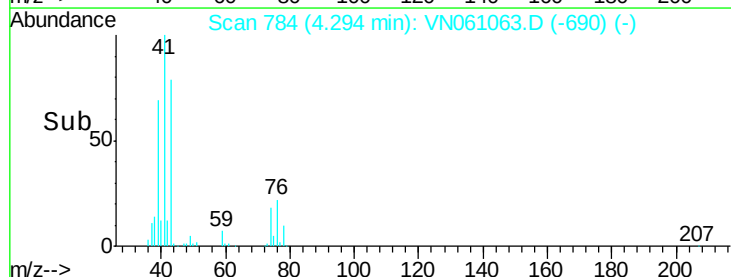
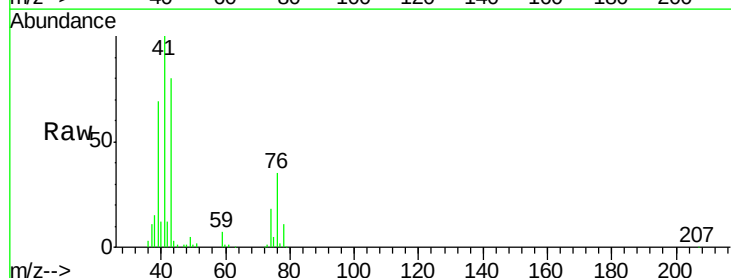
Manual Integrations
APPROVED

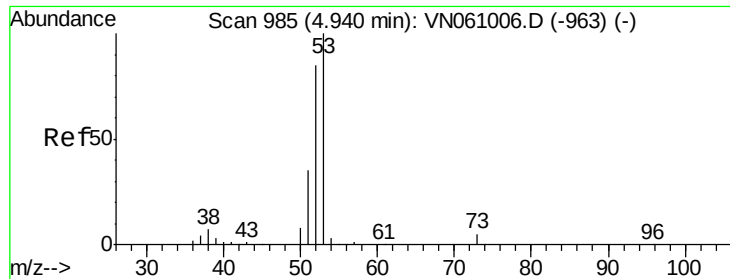
MMDadoda
4/20/2020 10:20:28 AM



#14
Allyl chloride
Concen: 46.469 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion	41	Resp	143531
Ion Ratio	100	Lower	Upper
41	100		
39	72.8	56.3	84.5
76	34.8	27.7	41.5





#15

Acrylonitrile

Concen: 275.044 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

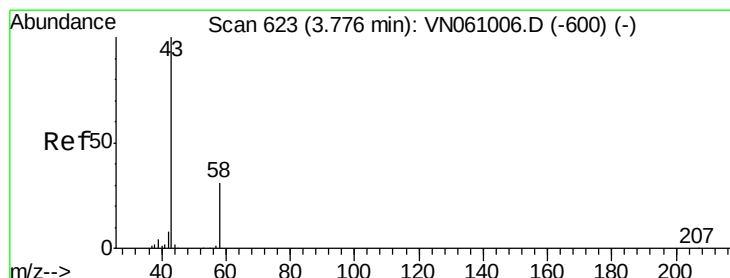
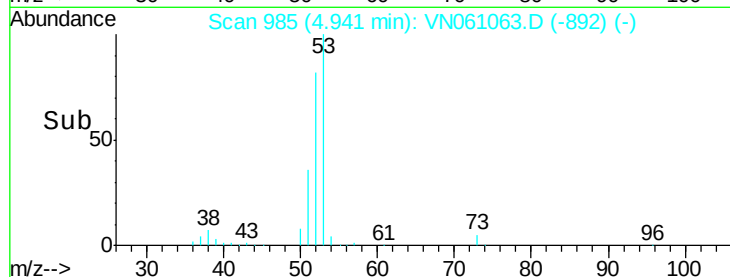
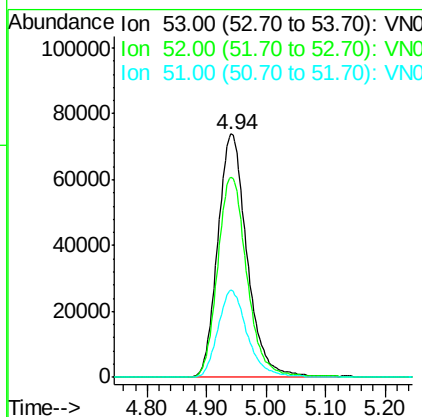
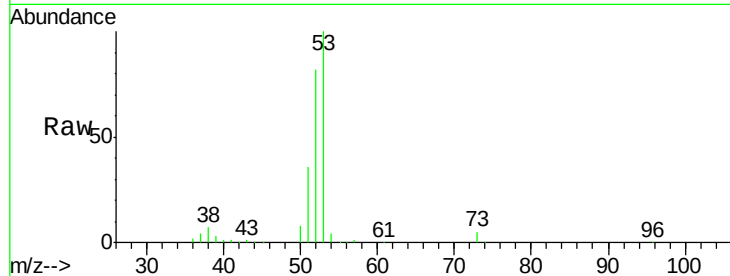
ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion:	53	Resp:	252537
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.8	100.2
51	36.1	28.9	43.3

Manual Integrations
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MMDadoda
4/20/2020 10:20:28 AM



#16

Acetone

Concen: 249.291 ug/l

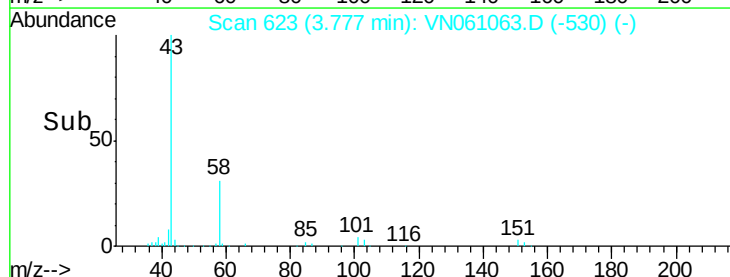
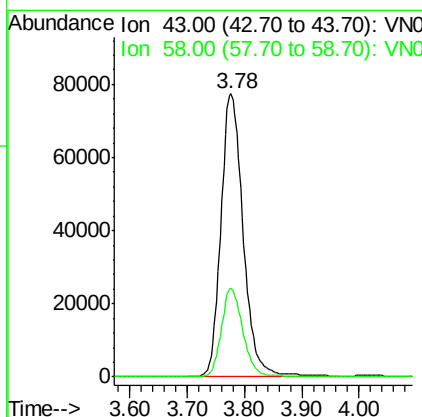
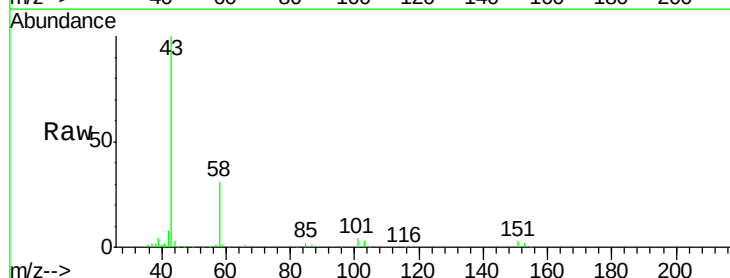
RT: 3.78 min Scan# 623

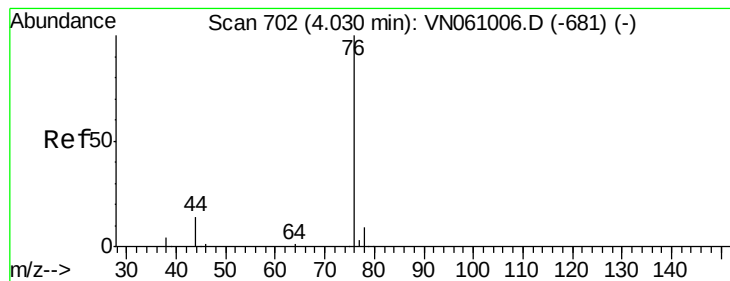
Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Tgt Ion:	43	Resp:	209422
Ion Ratio	Lower	Upper	
43	100		
58	31.2	24.6	37.0





#17

Carbon Disulfide

Concen: 44.428 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion: 76 Resp: 226945

Ion Ratio Lower Upper

76 100

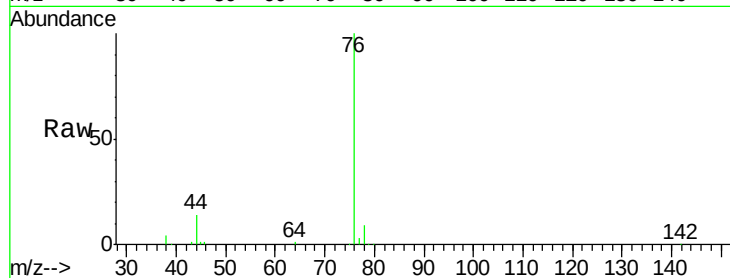
78 9.5 7.6 11.4

Manual Integrations

APPROVED

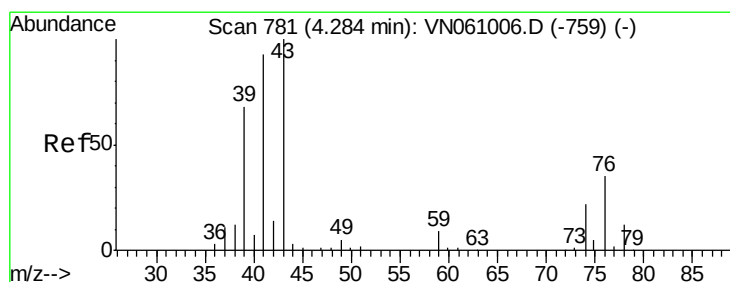
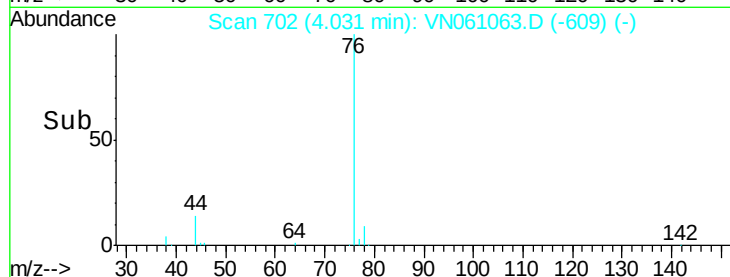
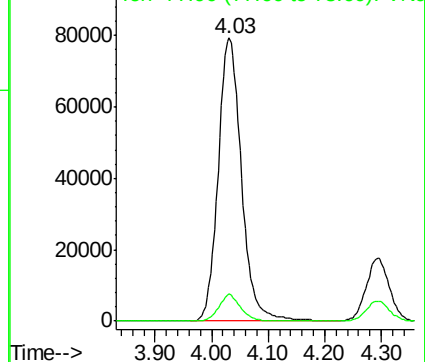
MMDadoda

4/20/2020 10:20:28 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 51.241 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN061063.D

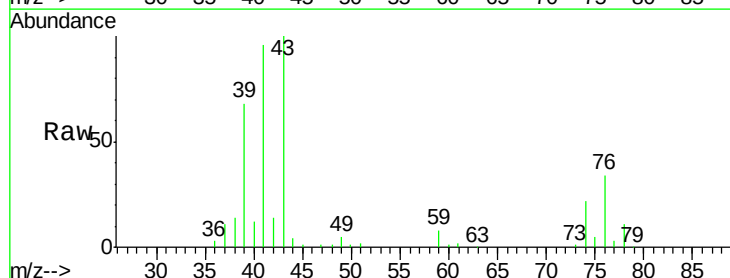
Acq: 17 Apr 2020 19:55

Tgt Ion: 43 Resp: 134982

Ion Ratio Lower Upper

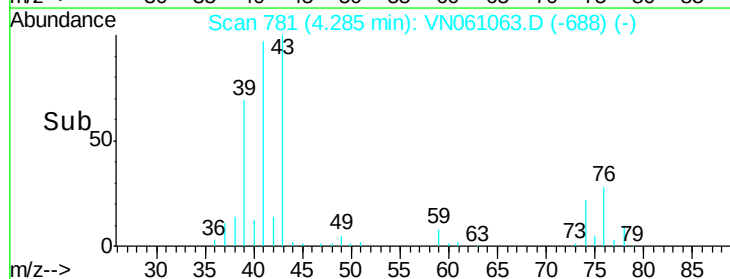
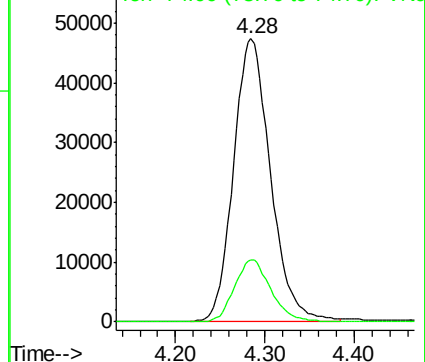
43 100

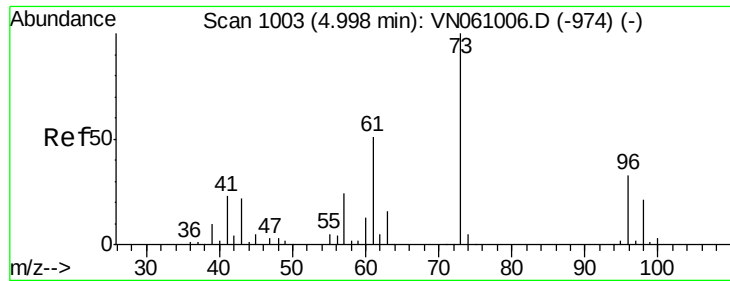
74 21.8 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





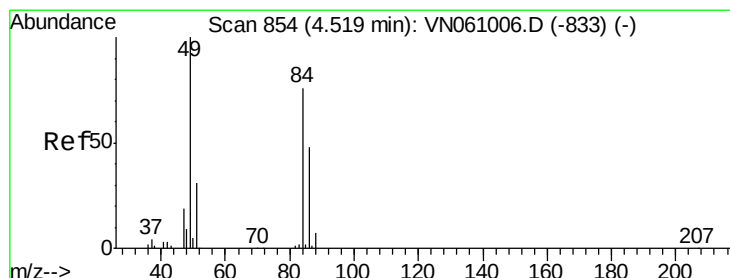
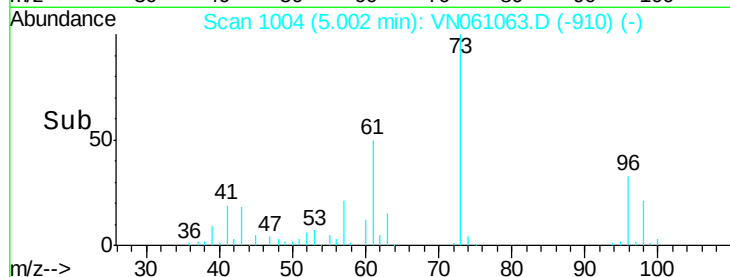
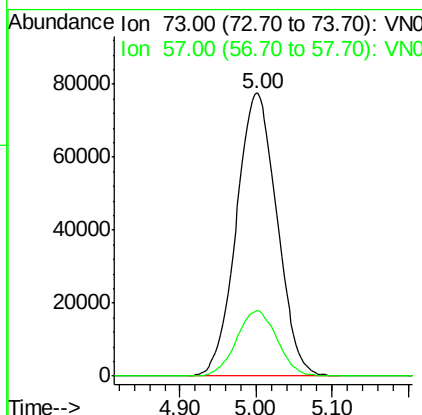
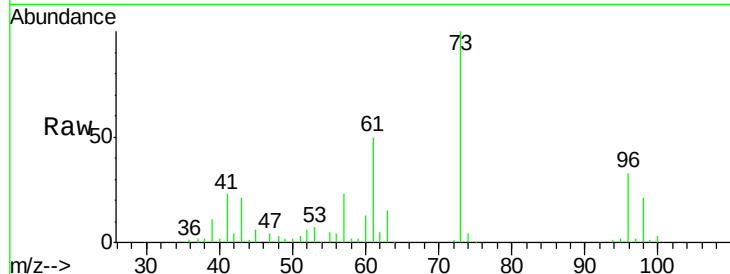
#19
Methyl tert-butyl Ether
Concen: 50.545 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion: 73 Resp: 287708
Ion Ratio Lower Upper
73 100
57 23.1 19.0 28.4

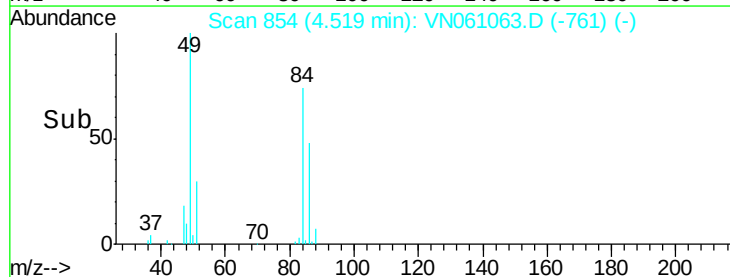
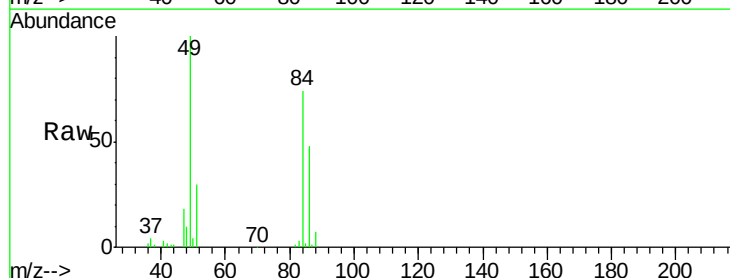
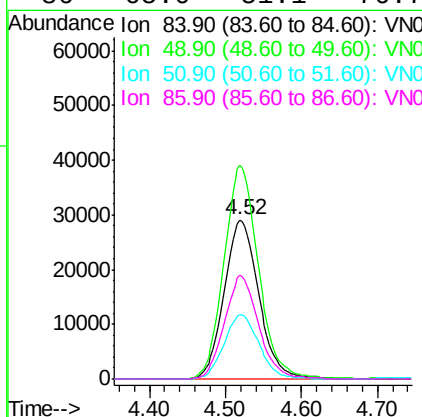
Manual Integrations
APPROVED

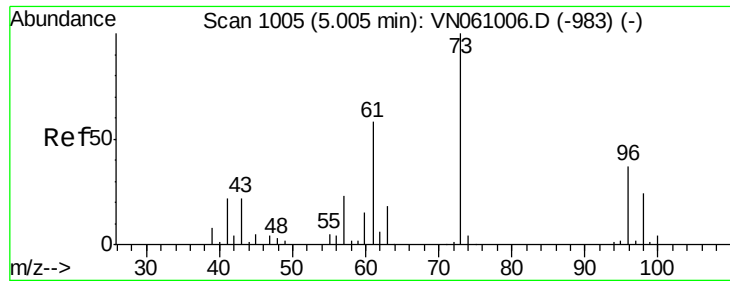
MMDadoda
4/20/2020 10:20:28 AM



#20
Methylene Chloride
Concen: 50.272 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion: 84 Resp: 92207
Ion Ratio Lower Upper
84 100
49 134.4 105.8 158.6
51 40.2 32.4 48.6
86 65.0 51.1 76.7





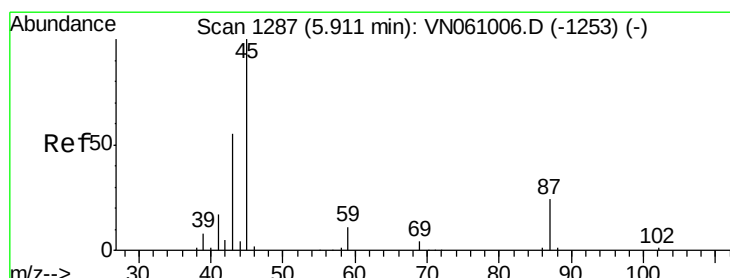
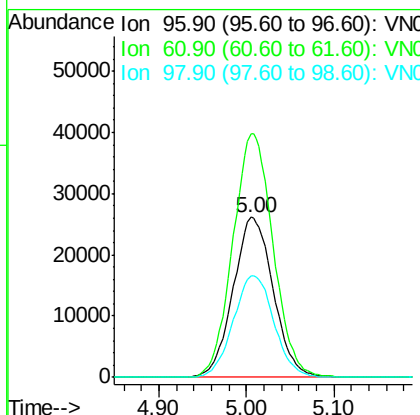
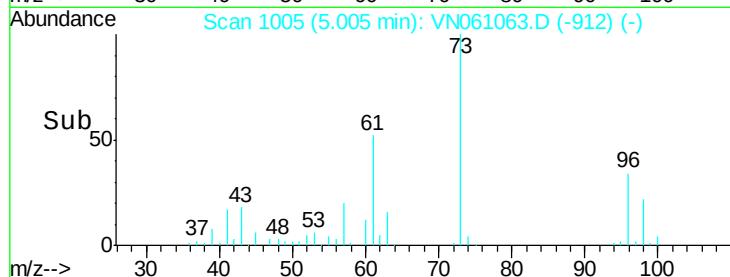
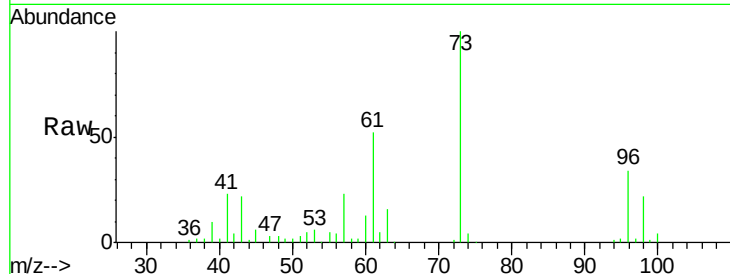
#21
trans-1,2-Dichloroethene
Concen: 47.619 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	124.8	187.2
98	63.1	51.3	76.9

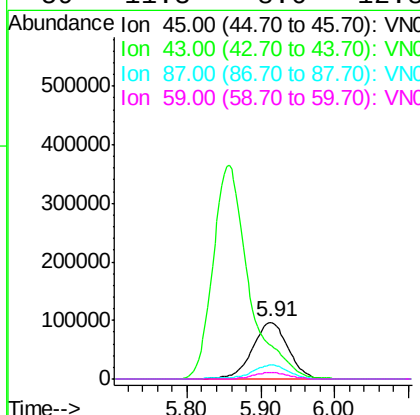
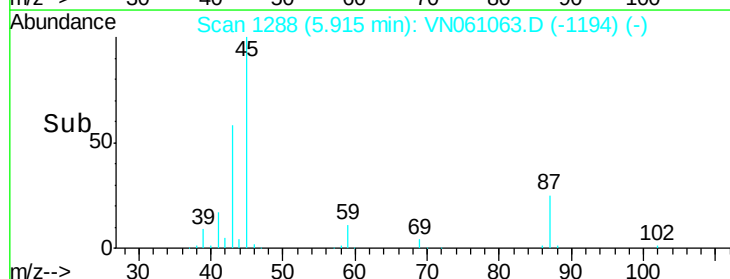
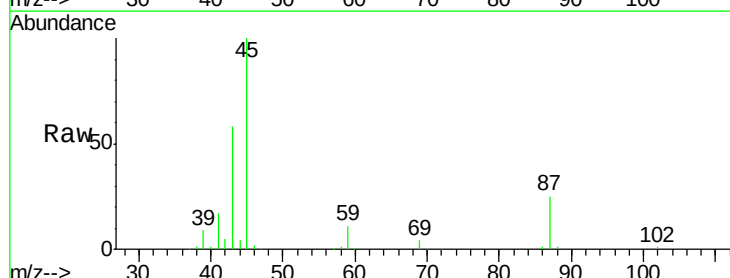
Manual Integrations
APPROVED

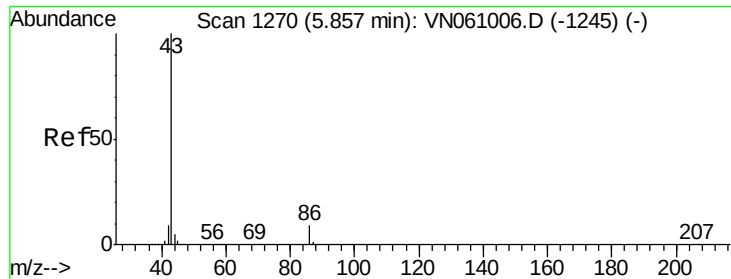
MMDadoda
4/20/2020 10:20:28 AM



#22
Diisopropyl ether
Concen: 50.961 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	48.6	72.8
87	24.6	19.4	29.2
59	11.3	8.6	12.8





#23

Vinyl Acetate

Concen: 245.447 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion: 43 Resp: 1234701

Ion Ratio Lower Upper

43 100

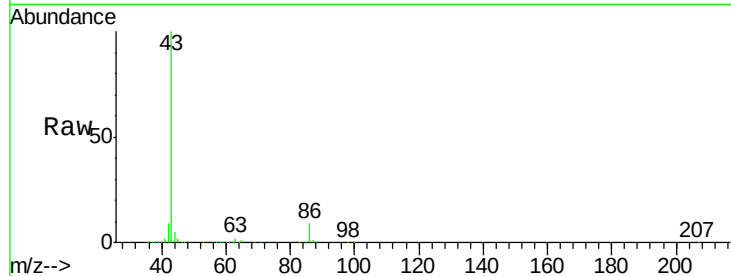
86 9.2 7.3 10.9

Manual Integrations

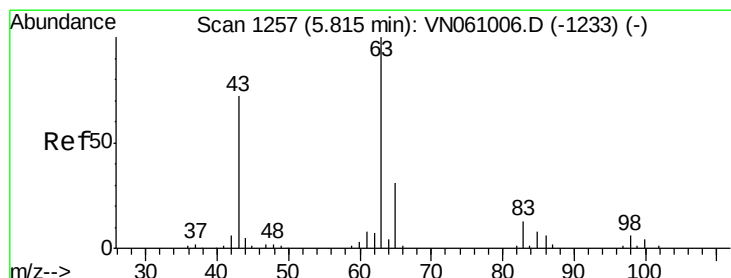
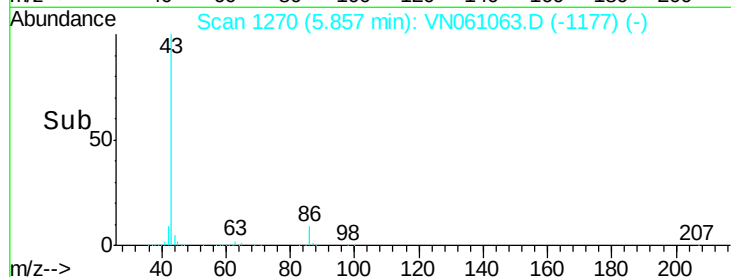
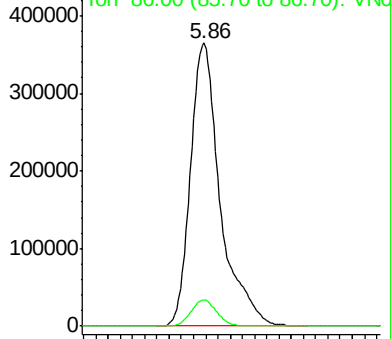
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Abundance Ion 43.00 (42.70 to 43.70): VN061063.D (-1177) (-)



#24

1,1-Dichloroethane

Concen: 50.390 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

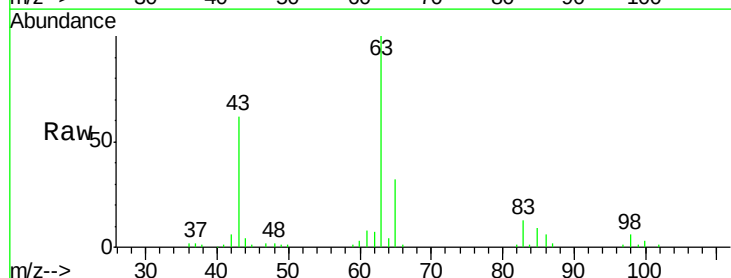
Tgt Ion: 63 Resp: 174586

Ion Ratio Lower Upper

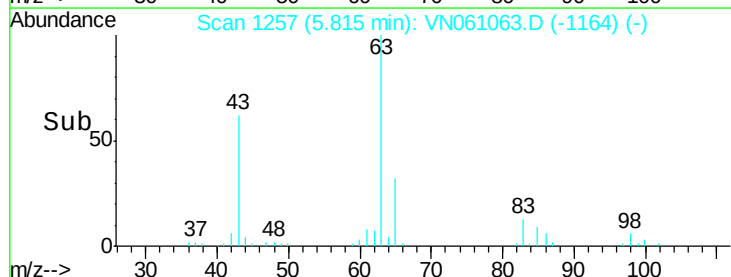
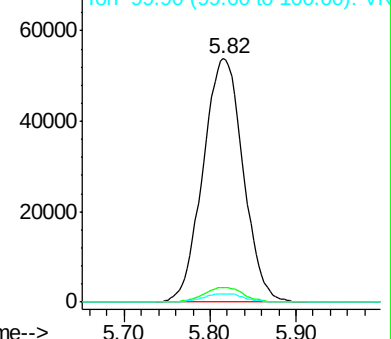
63 100

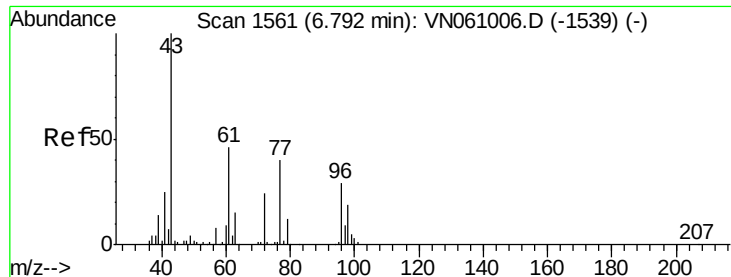
98 6.0 2.9 8.8

100 3.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN061063.D (-1164) (-)





#25

2-Butanone

Concen: 266.693 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion: 43 Resp: 343313

Ion Ratio Lower Upper

43 100

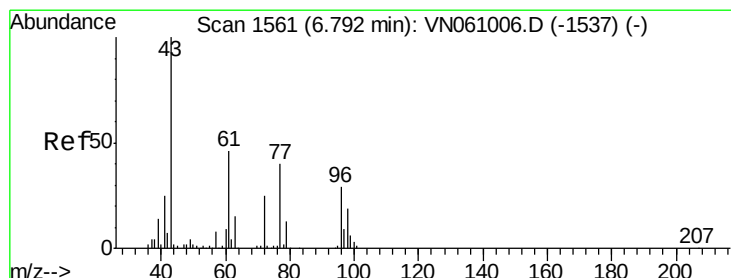
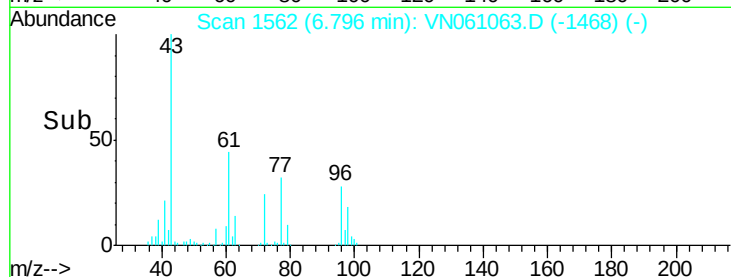
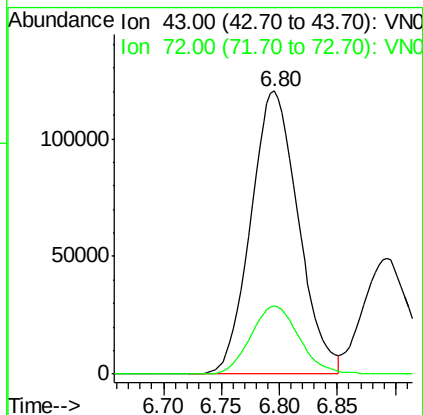
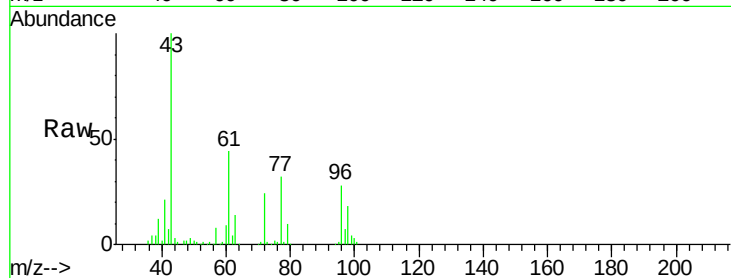
72 24.0 19.6 29.4

Manual Integrations

APPROVED

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#26

2,2-Dichloropropane

Concen: 42.761 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061063.D

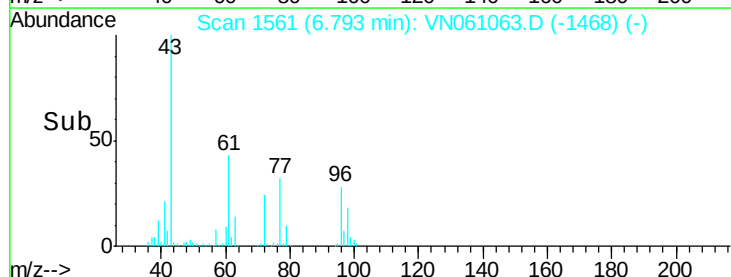
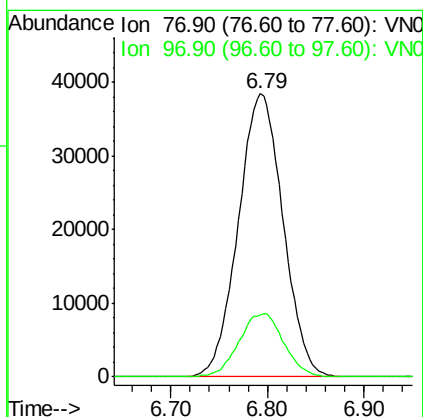
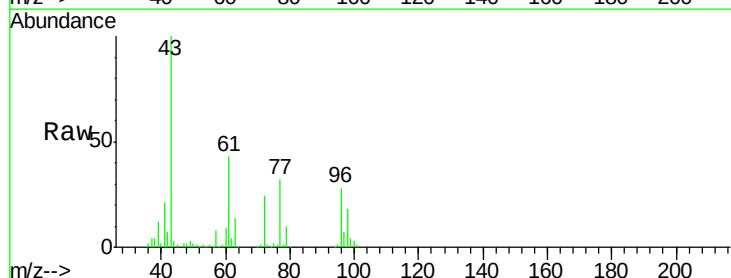
Acq: 17 Apr 2020 19:55

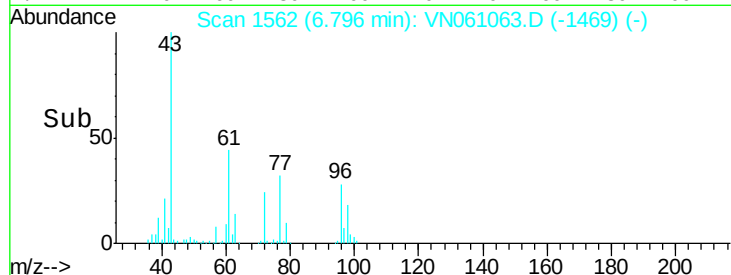
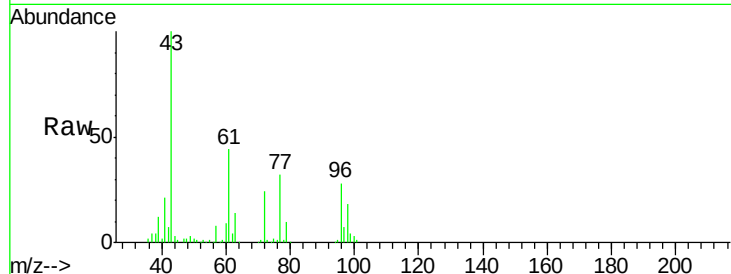
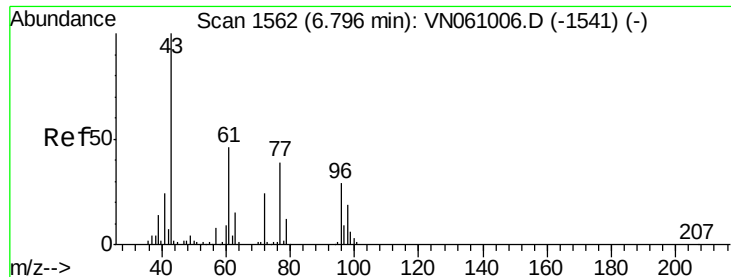
Tgt Ion: 77 Resp: 123356

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





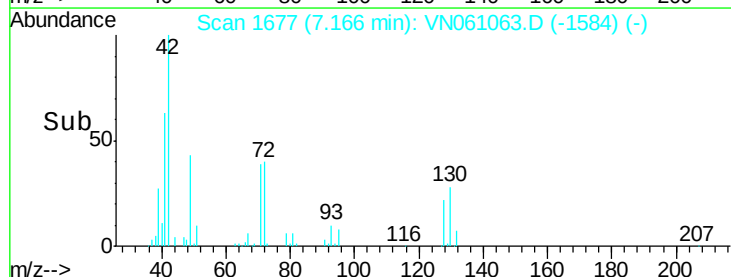
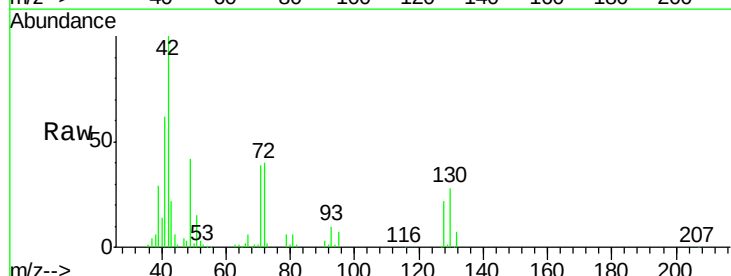
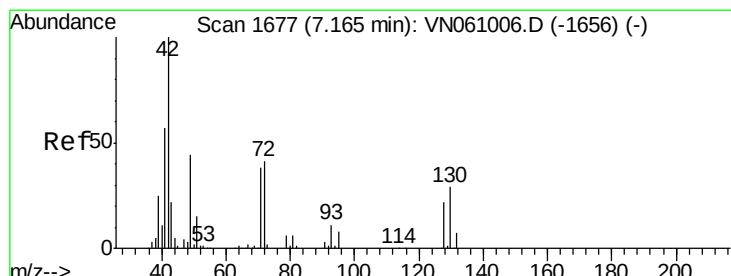
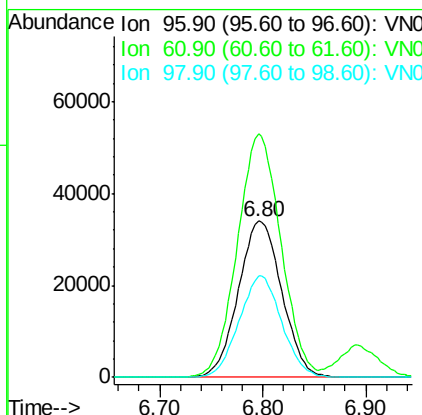
#27
 cis-1,2-Dichloroethene
 Concen: 49.705 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.1	0.0	317.4	
98	63.7	0.0	127.8	

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

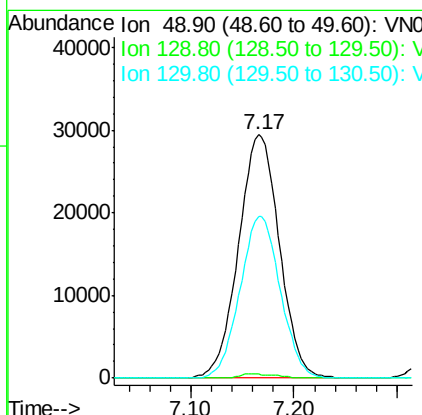
Manual Integrations
 APPROVED

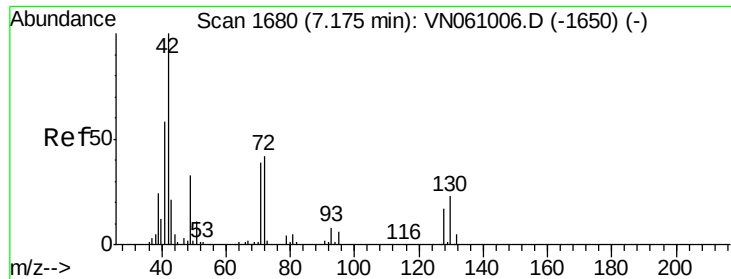
MMDadoda
 4/20/2020 10:20:28 AM



#28
 Bromochloromethane
 Concen: 50.845 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.0	
130	65.7	52.9	79.3	





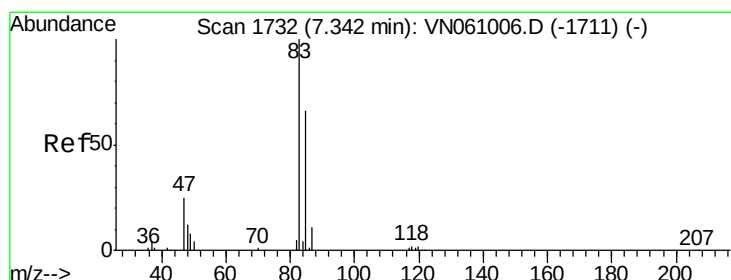
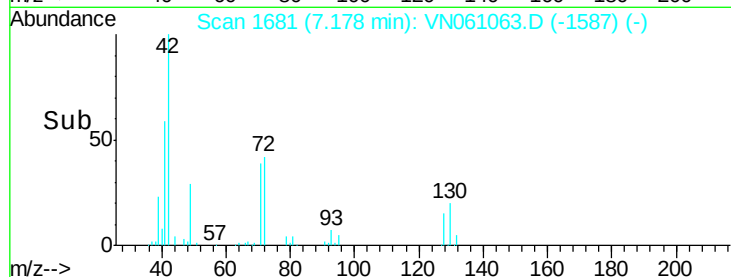
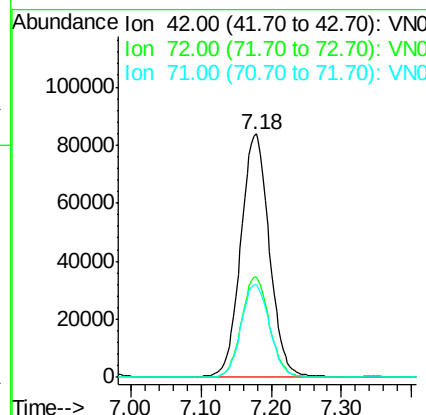
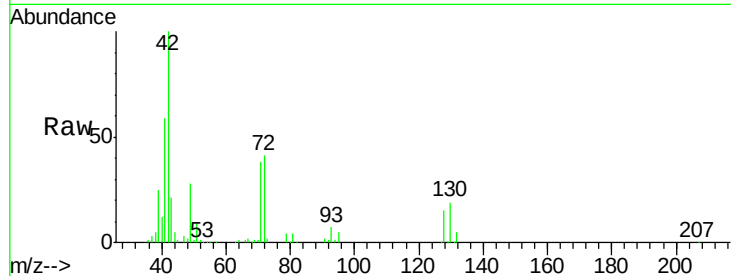
#29
Tetrahydrofuran
Concen: 272.390 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.1	48.1
71	37.9	30.5	45.7

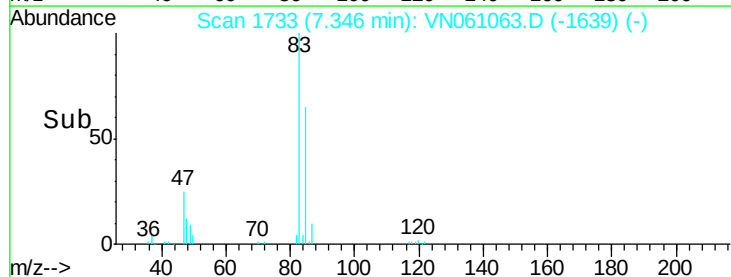
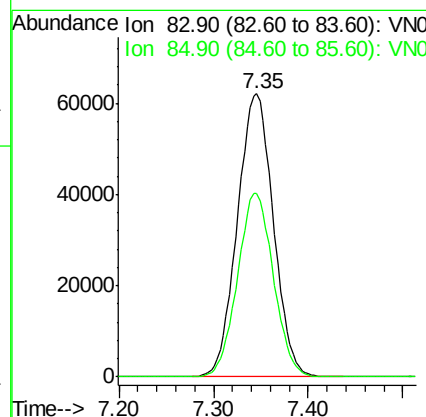
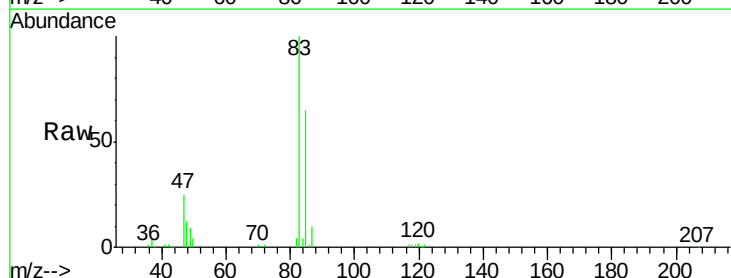
Manual Integrations
APPROVED

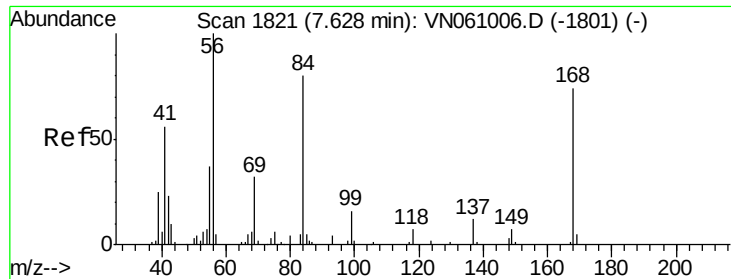
MMDadoda
4/20/2020 10:20:28 AM



#30
Chloroform
Concen: 50.811 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.8	79.2





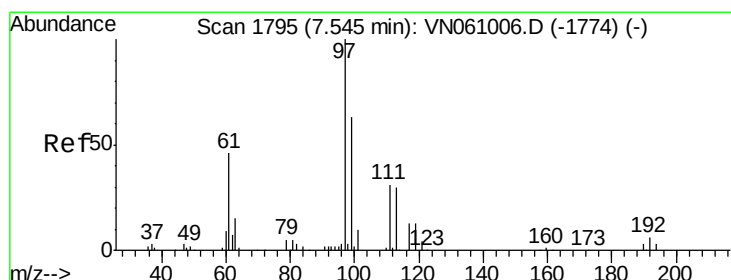
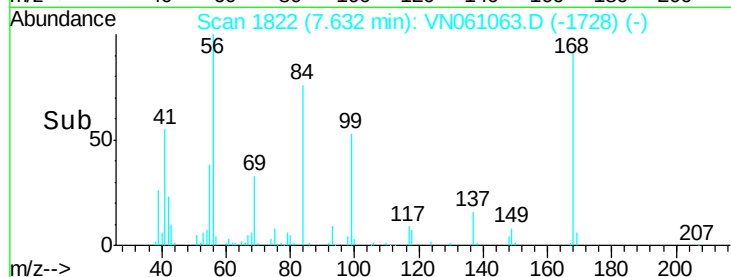
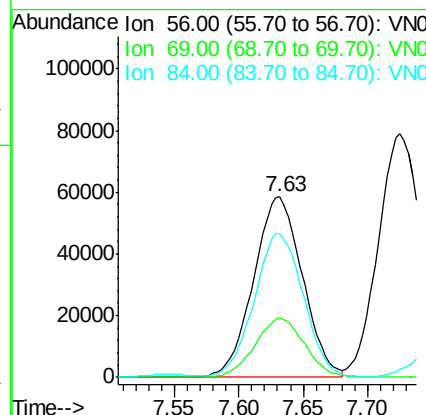
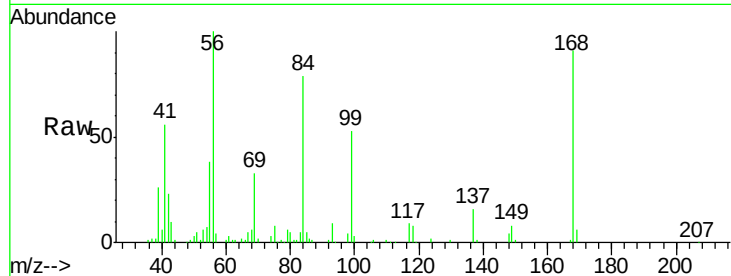
#31
Cyclohexane
Concen: 43.407 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.6	38.4
84	78.6	63.4	95.2

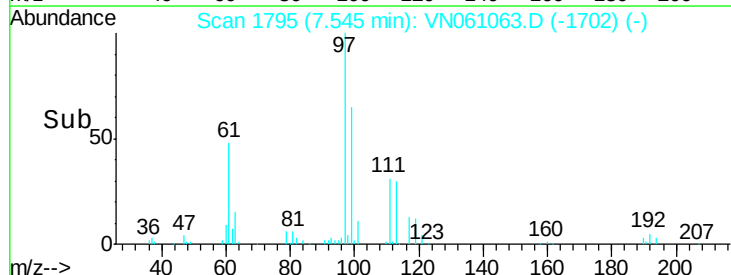
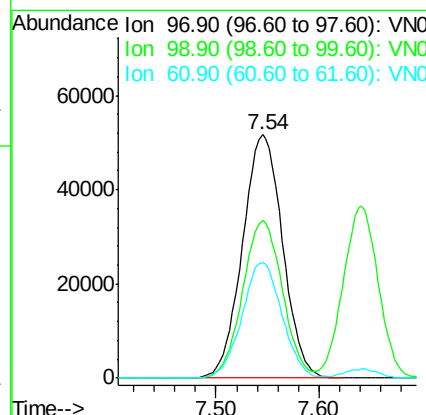
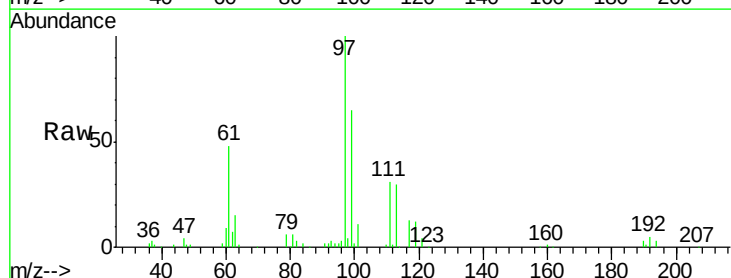
Manual Integrations
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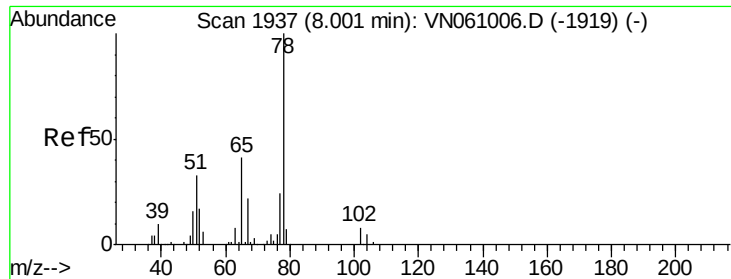
MMDadoda
4/20/2020 10:20:28 AM



#32
1,1,1-Trichloroethane
Concen: 49.954 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
97	100		
61	47.3	37.0	55.6
111	64.3	51.0	76.4





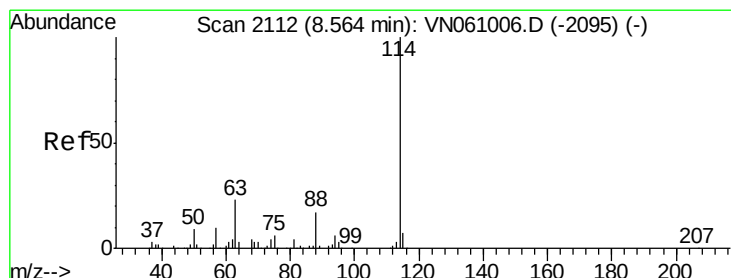
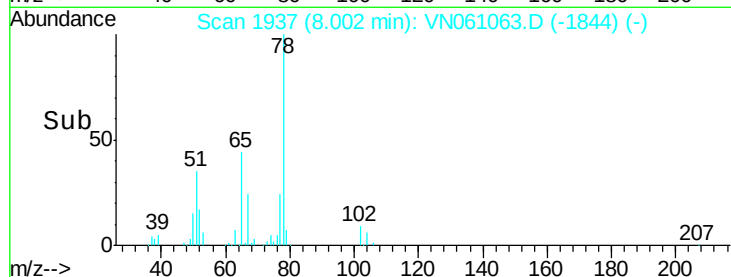
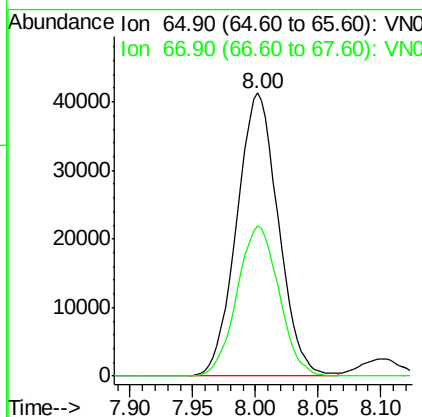
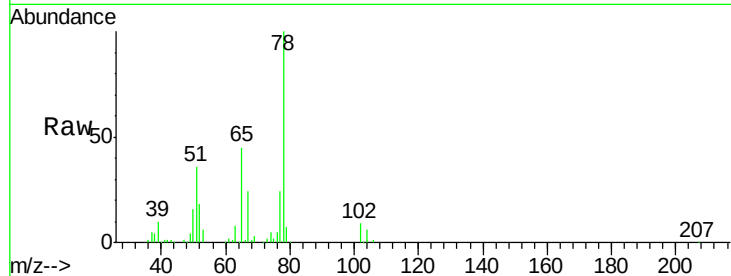
#33
 1,2-Dichloroethane-d4
 Concen: 50.019 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.0

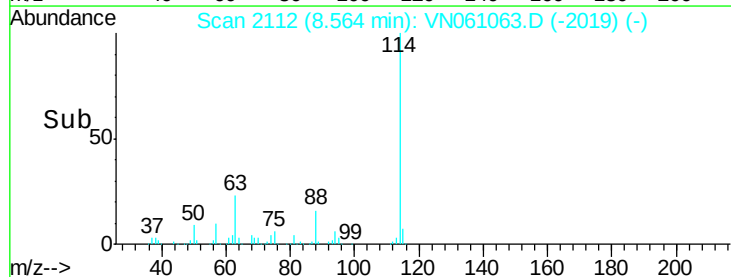
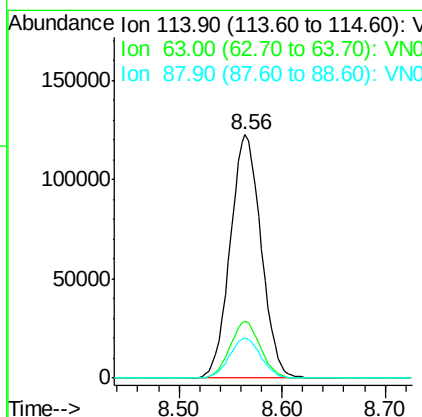
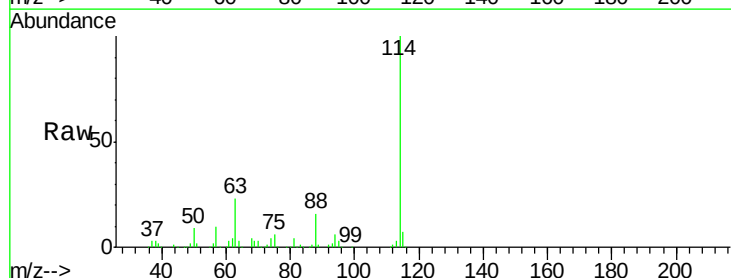
Manual Integrations
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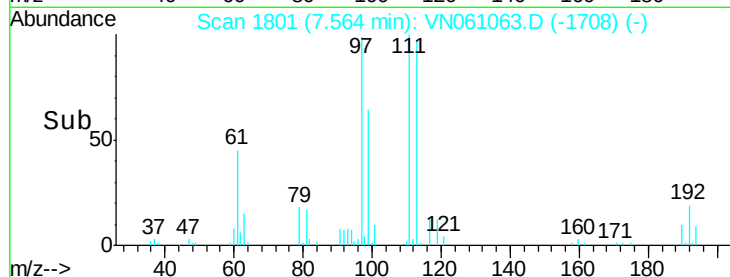
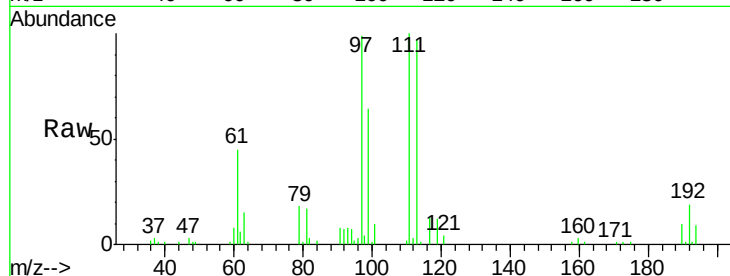
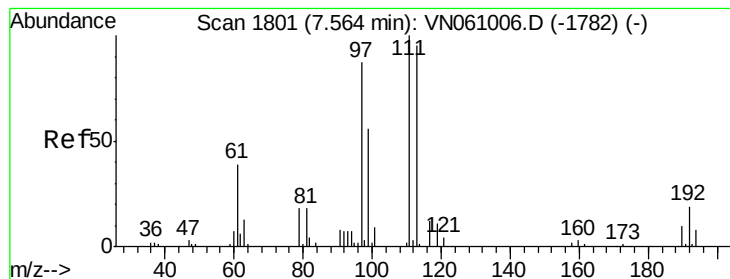
MMDadoda
 4/20/2020 10:20:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.2
88	16.4	0.0	33.4





#35

Dibromofluoromethane

Concen: 49.428 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Tot Ion:	113	Resp:	73815
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.2
192	19.0	15.5	23.3

Instrument :

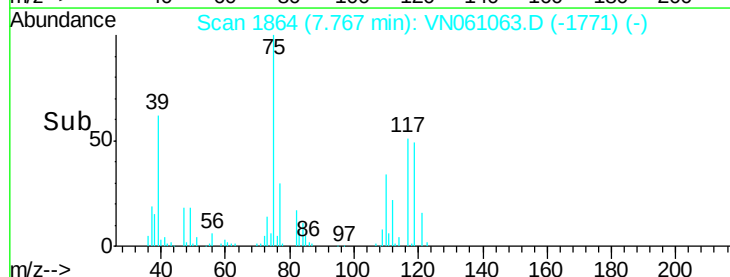
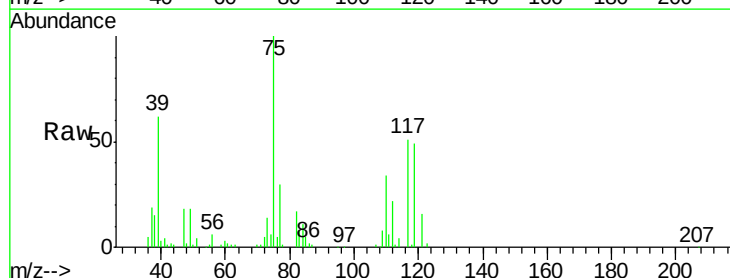
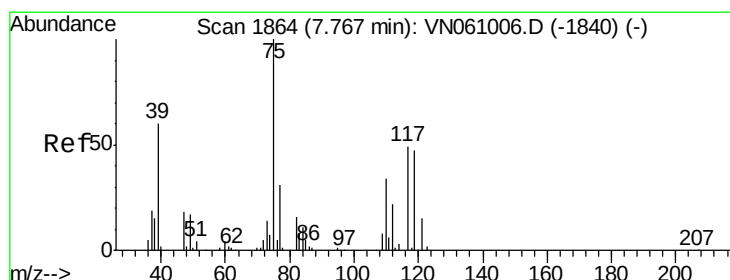
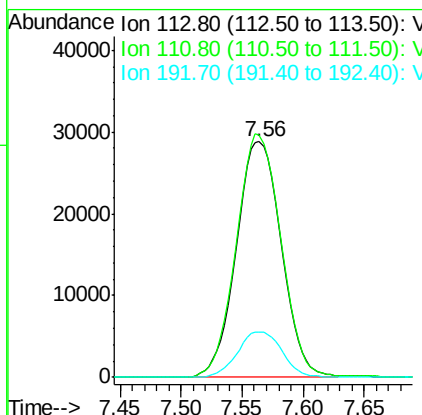
MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

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#36

1,1-Dichloropropene

Concen: 47.627 ug/l

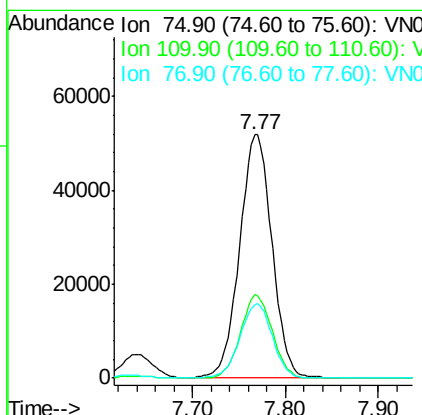
RT: 7.77 min Scan# 1864

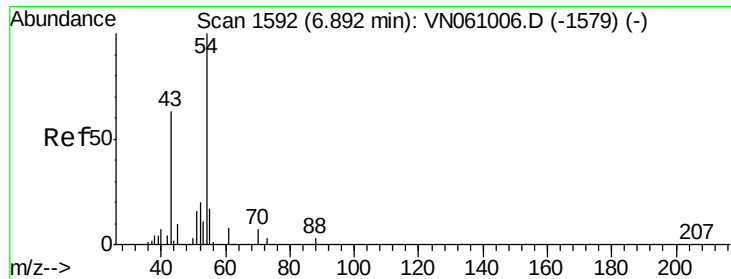
Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Tgt Ion:	75	Resp:	125680
Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.8	50.3
77	30.6	24.7	37.1





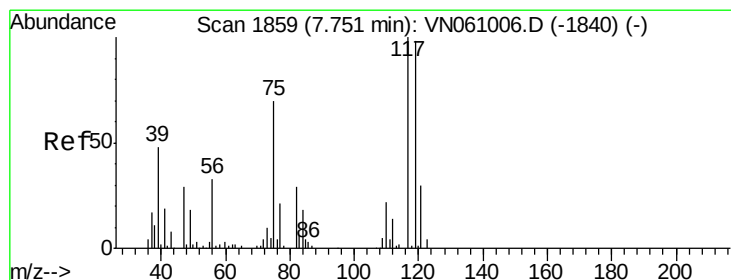
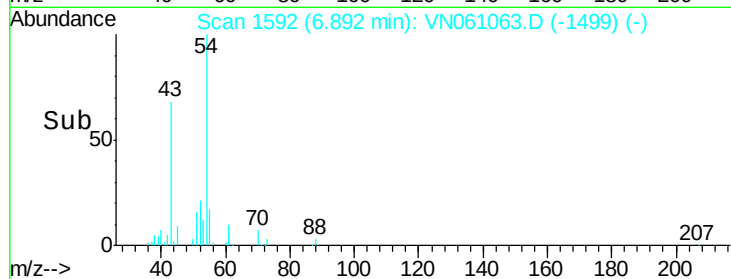
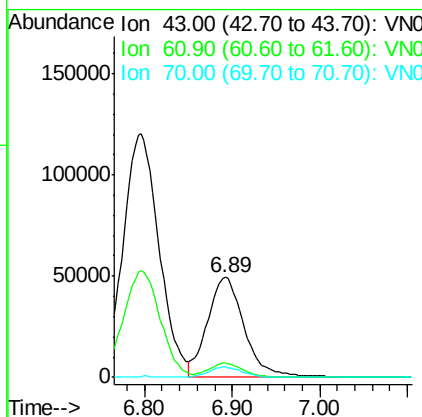
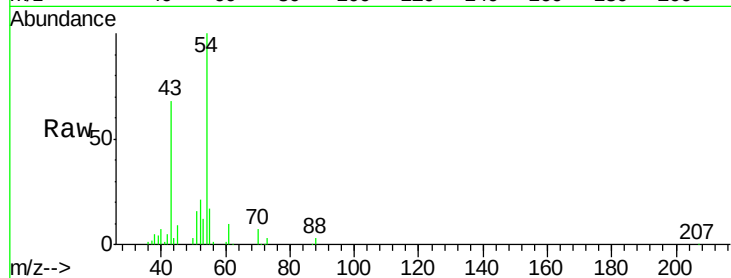
#37
Ethyl Acetate
Concen: 49.622 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.9	16.3
70	9.6	7.7	11.5

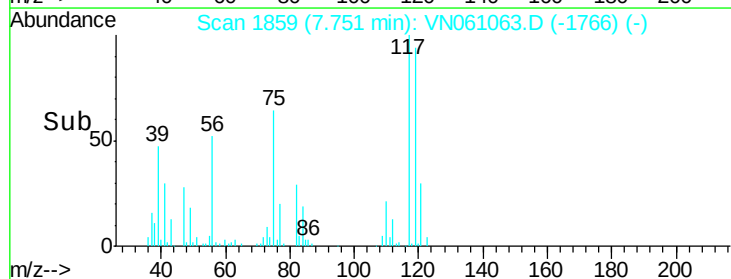
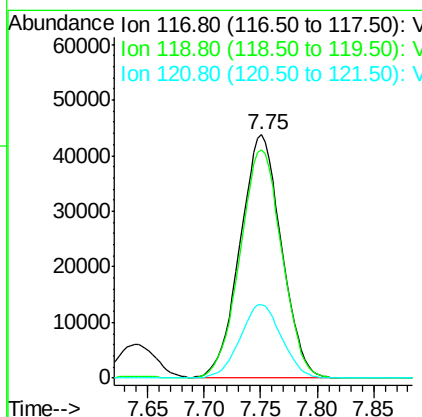
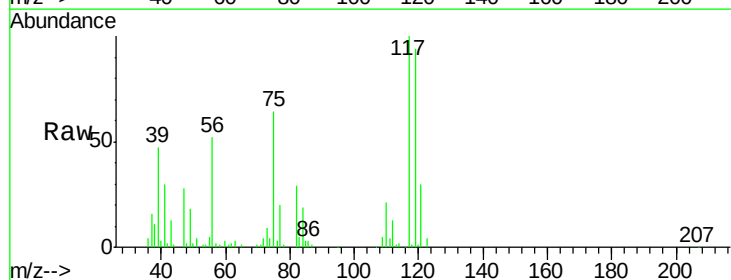
Manual Integrations
APPROVED

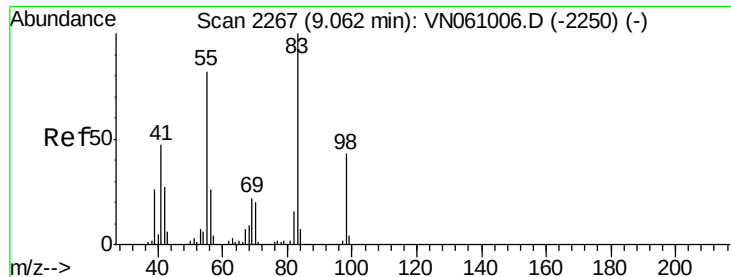
MMDadoda
4/20/2020 10:20:28 AM



#38
Carbon Tetrachloride
Concen: 50.647 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.1	117.1
121	30.2	24.0	36.0





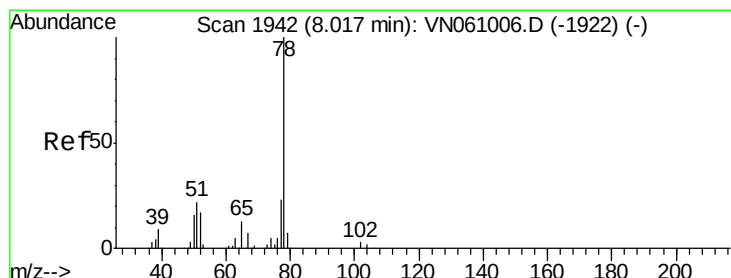
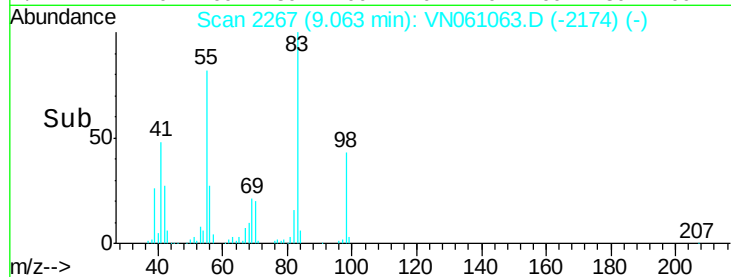
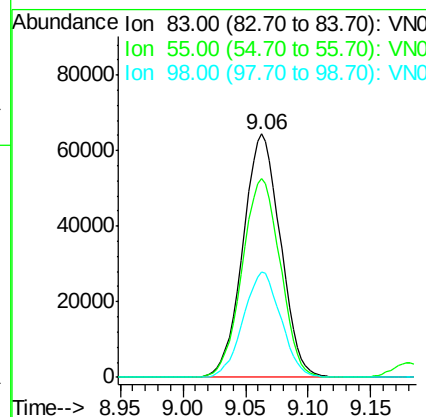
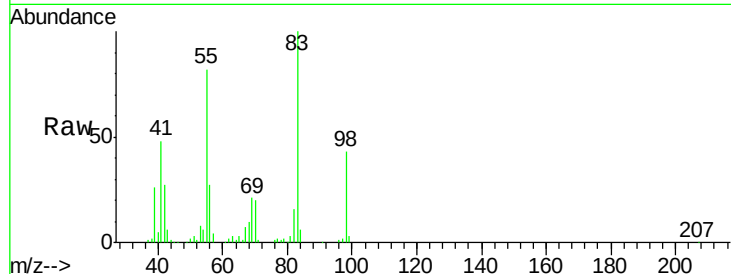
#39
Methylvlcyclohexane
Concen: 42.430 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.8	65.4	98.0	
98	43.3	34.6	51.8	

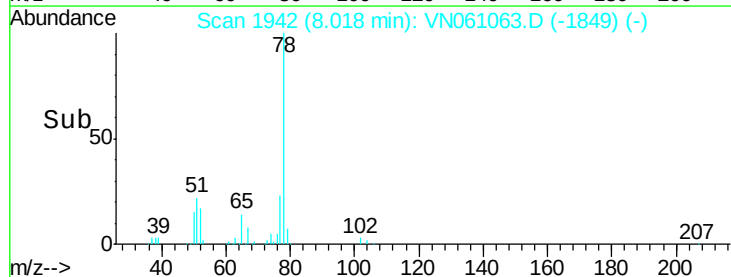
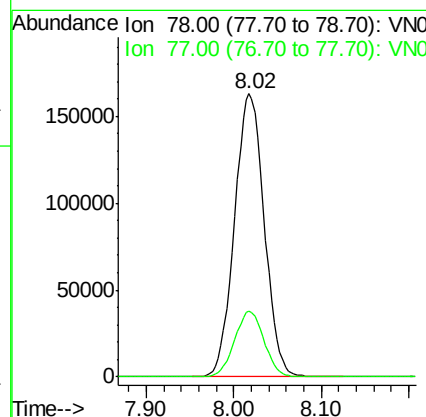
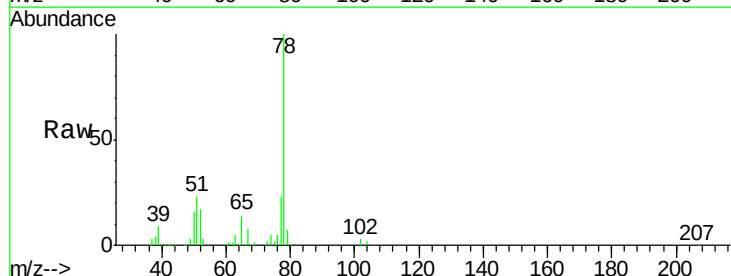
Manual Integrations
APPROVED

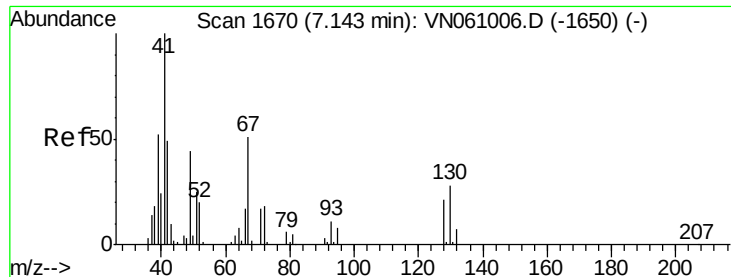
MMDadoda
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#40
Benzene
Concen: 49.115 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.8	28.2	





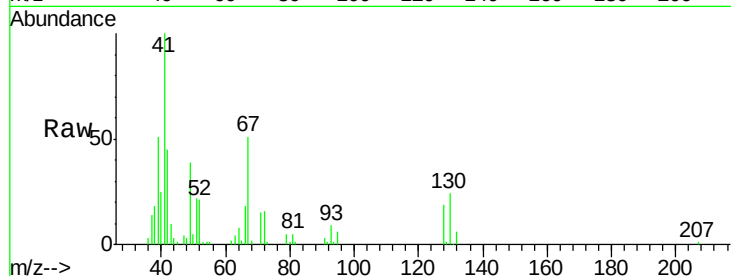
#41
Methacrylonitrile
Concen: 52.046 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	41	Resp	62202
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
4/20/2020 10:20:28 AM

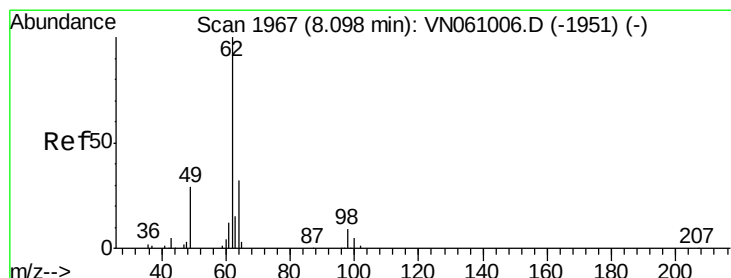
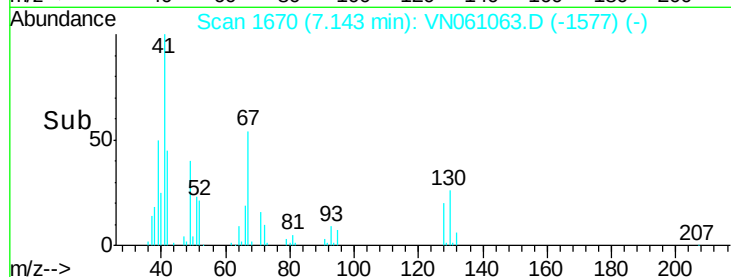
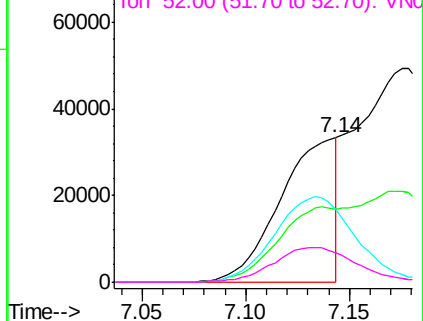


Abundance Ion 41.00 (40.70 to 41.70): VN061006.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN061006.D (-1650) (-)

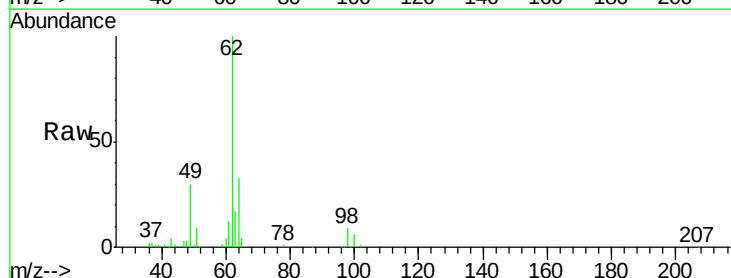
Ion 67.00 (66.70 to 67.70): VN061006.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN061006.D (-1650) (-)



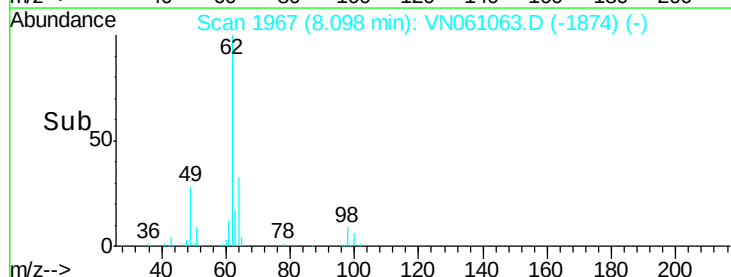
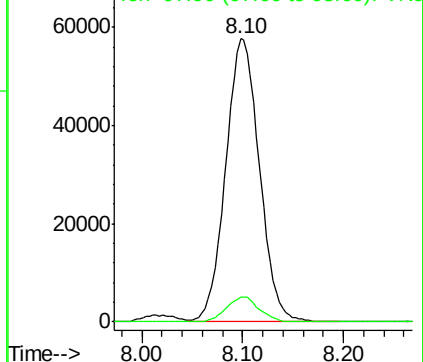
#42
1,2-Dichloroethane
Concen: 50.369 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

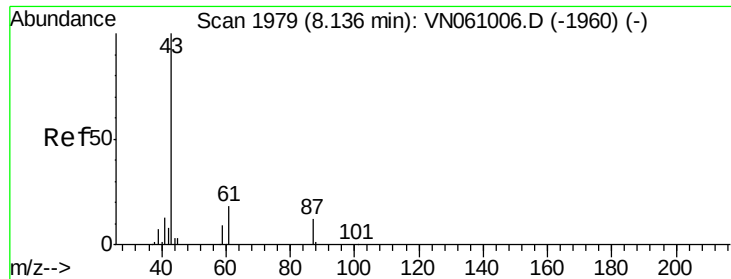
Tgt Ion	62	Resp	134326
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VN061006.D (-1951) (-)

Ion 97.90 (97.60 to 98.60): VN061006.D (-1951) (-)





#43

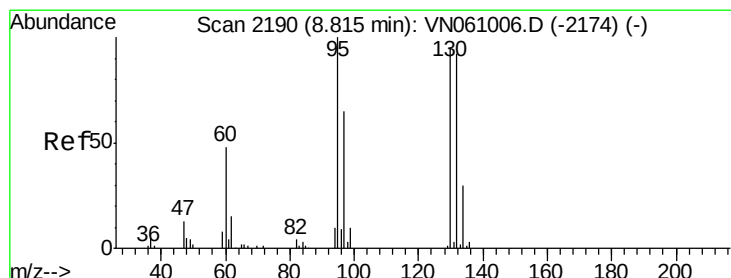
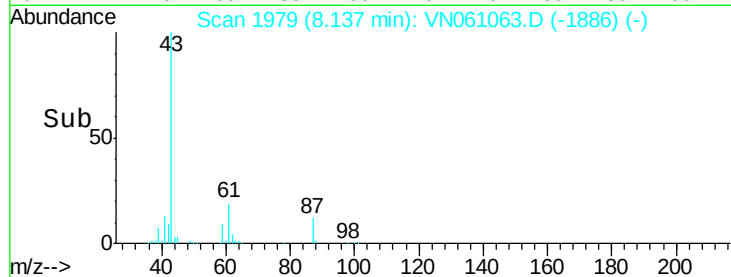
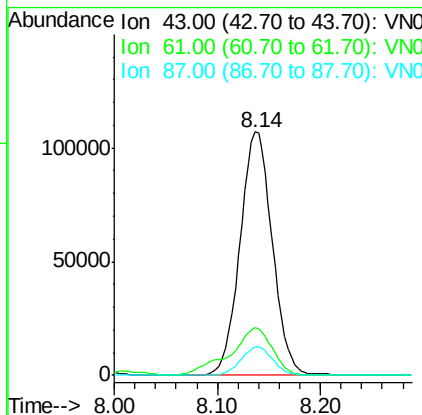
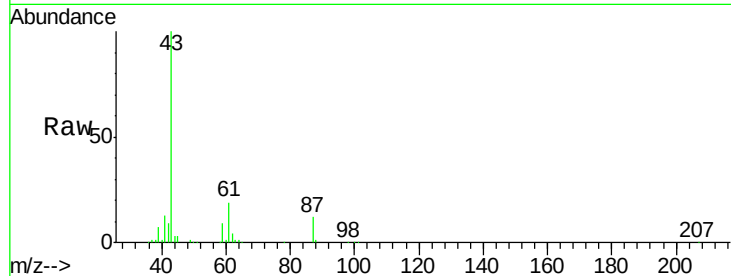
Isopropyl Acetate
 Concen: 50.003 ug/l
 RT: 8.14 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.3	30.5
87	11.6	9.4	14.2

Manual Integrations
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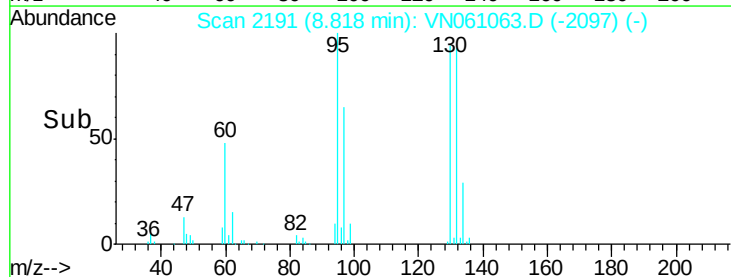
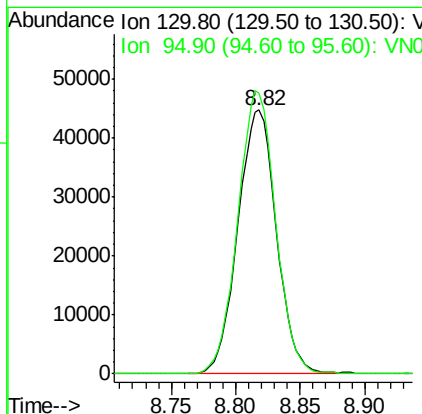
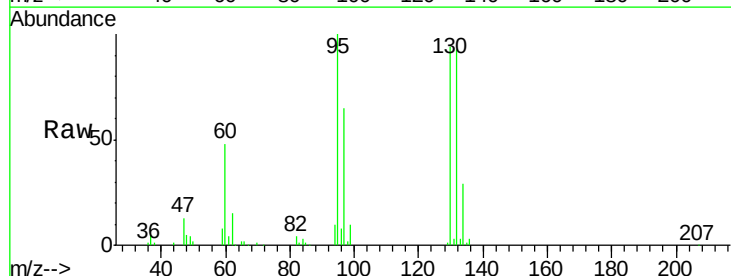
MMDadoda
 4/20/2020 10:20:28 AM

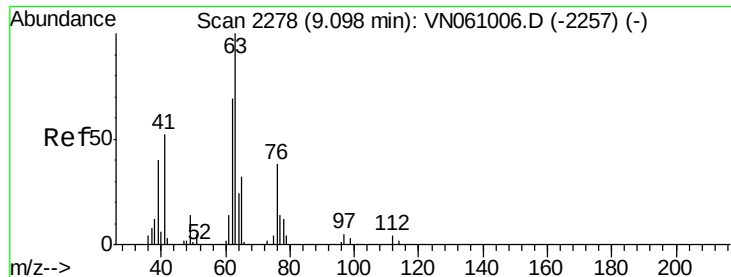


#44

Trichloroethene
 Concen: 47.462 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	210.0





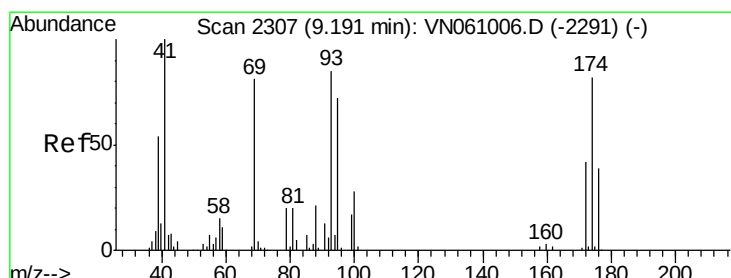
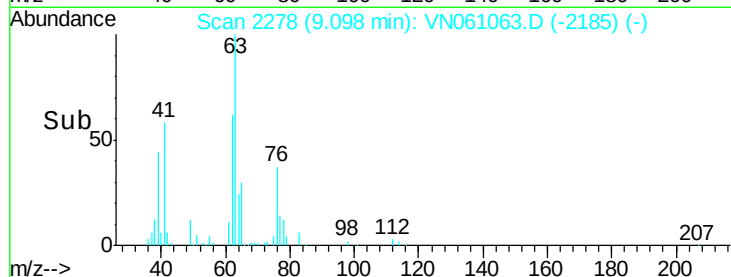
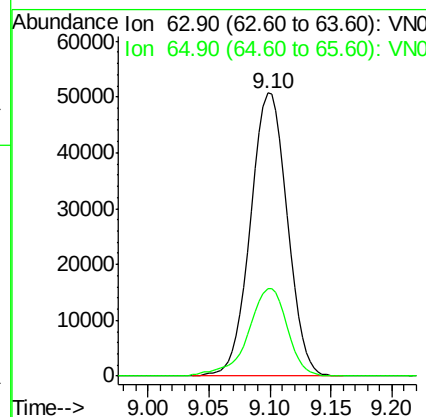
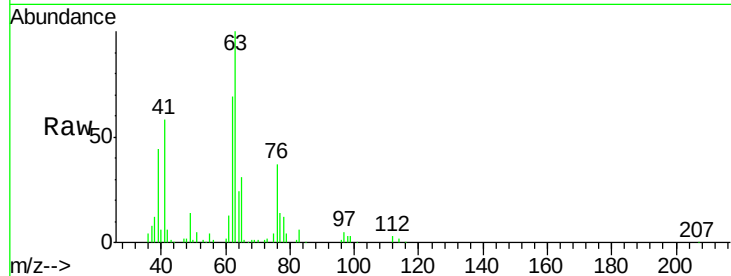
#45
 1,2-Dichloropropane
 Concen: 50.049 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.2	37.8

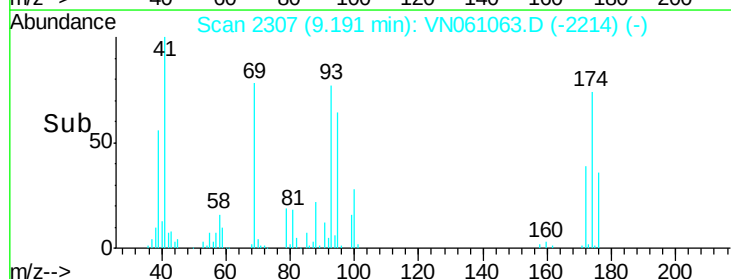
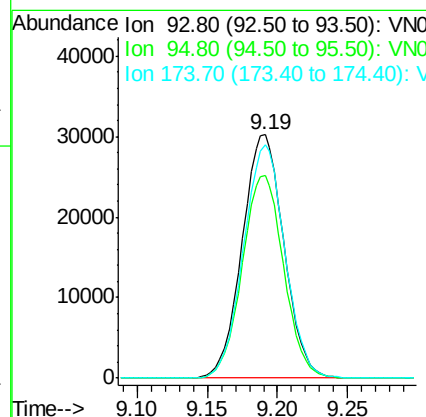
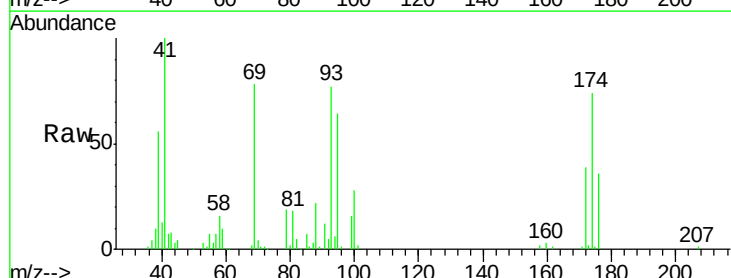
Manual Integrations
 APPROVED

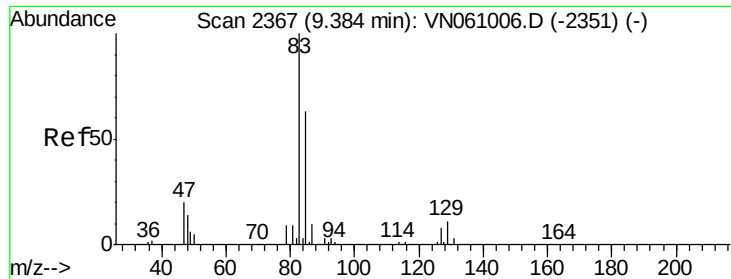
MMDadoda
 4/20/2020 10:20:28 AM



#46
 Dibromomethane
 Concen: 51.435 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.8	100.2
174	94.8	76.2	114.4





#47

Bromodichloromethane

Concen: 50.454 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

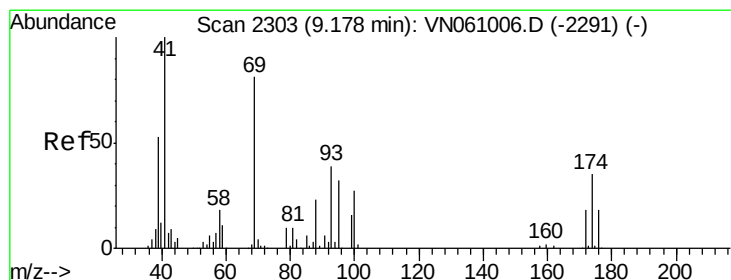
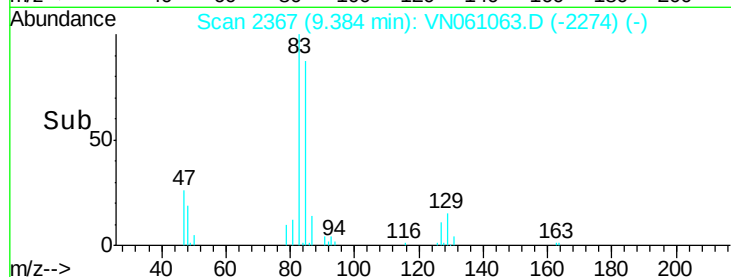
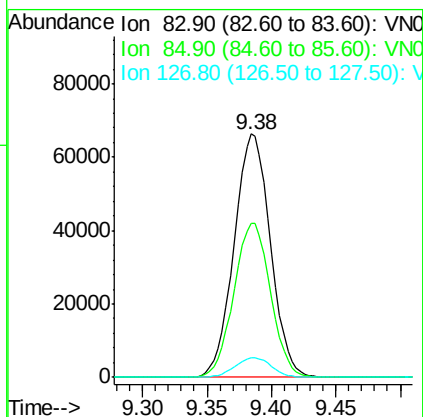
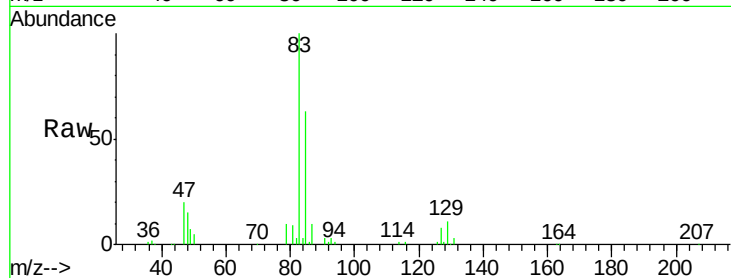
ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion:	83	Resp:	129943
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	76.0
127	8.0	6.1	9.1

Manual Integrations
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MMDadoda
4/20/2020 10:20:28 AM



#48

Methyl methacrylate

Concen: 52.443 ug/l

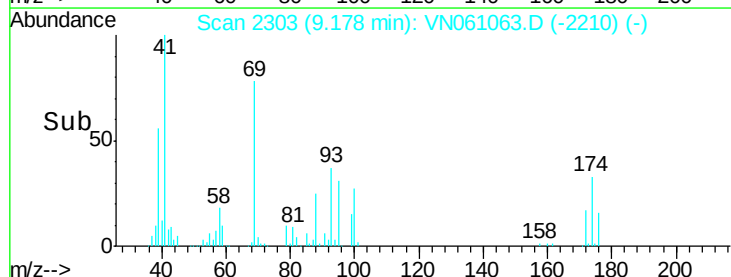
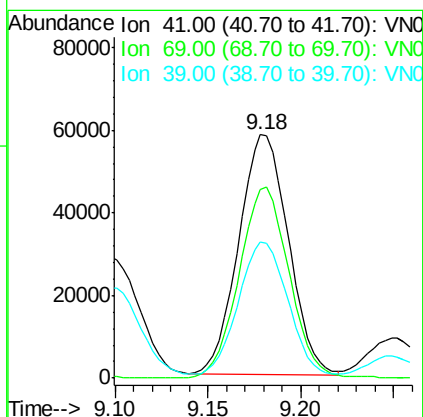
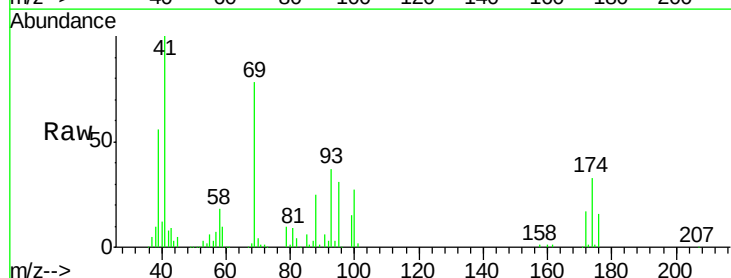
RT: 9.18 min Scan# 2303

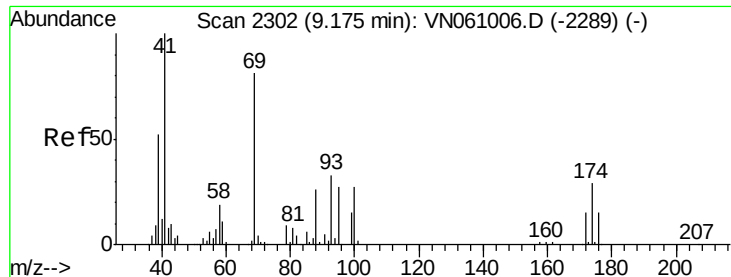
Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Tgt Ion:	41	Resp:	108002
Ion	Ratio	Lower	Upper
41	100		
69	80.5	65.3	97.9
39	57.6	45.2	67.8





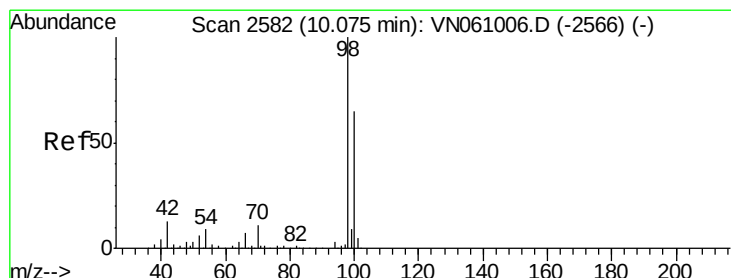
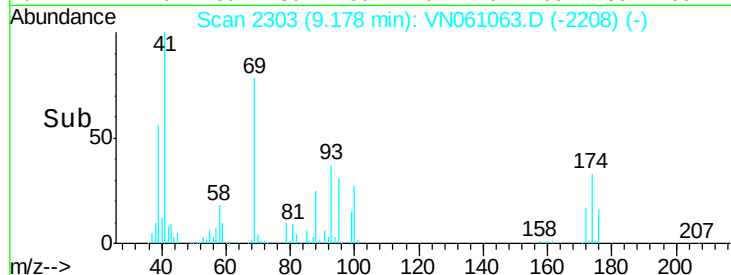
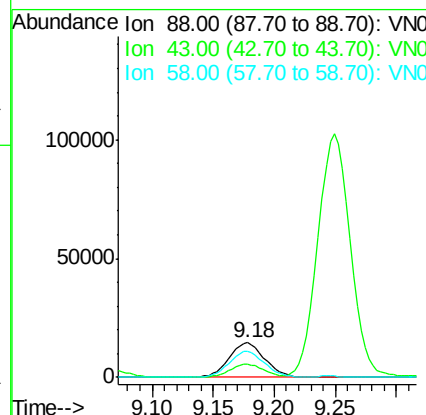
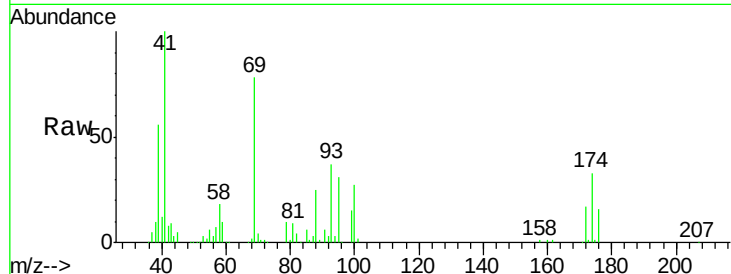
#49
1,4-Dioxane
Concen: 1046.591 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	30.9	46.3
58	73.5	59.8	89.8

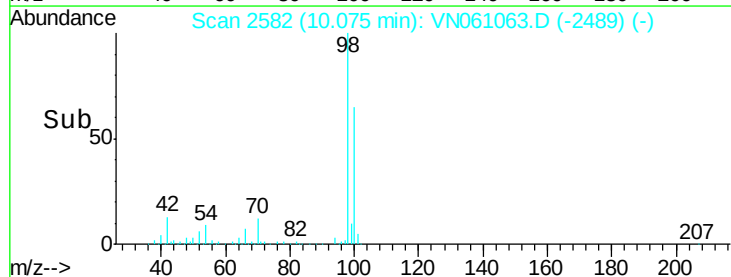
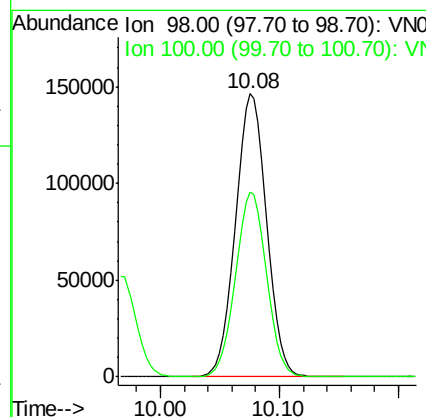
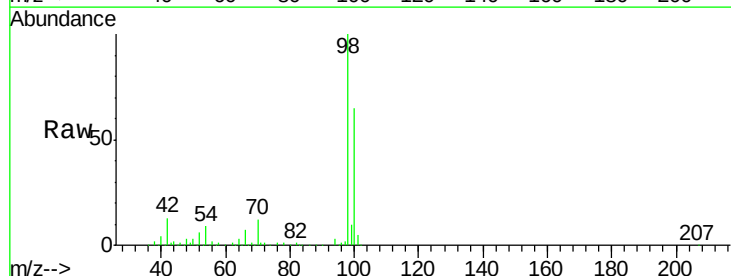
Manual Integrations
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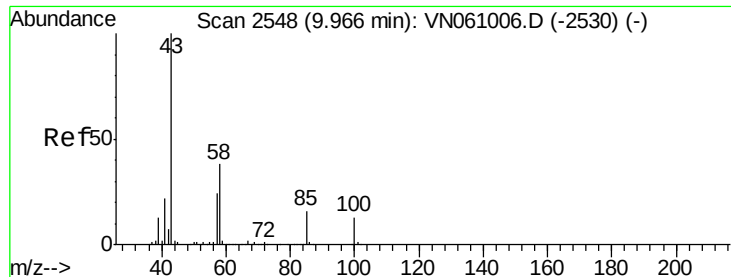
MMDadoda
4/20/2020 10:20:28 AM



#50
Toluene-d8
Concen: 46.927 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





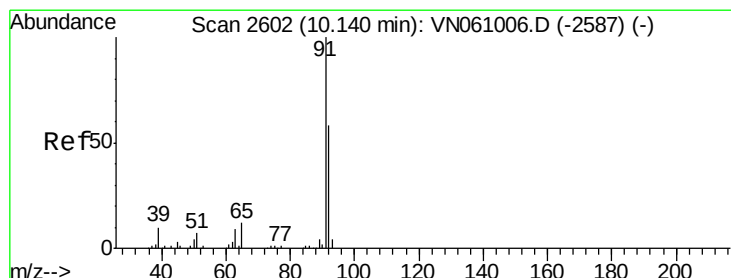
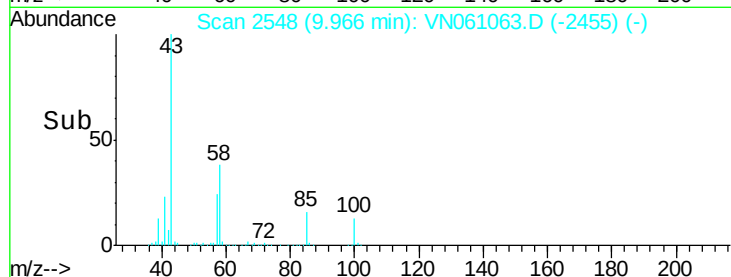
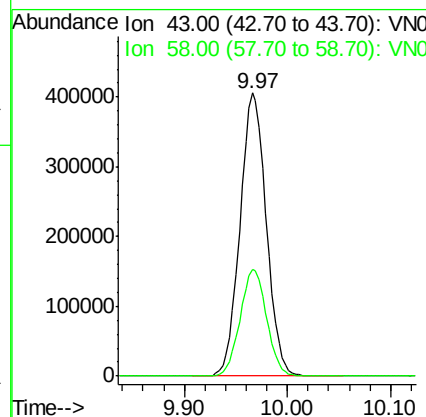
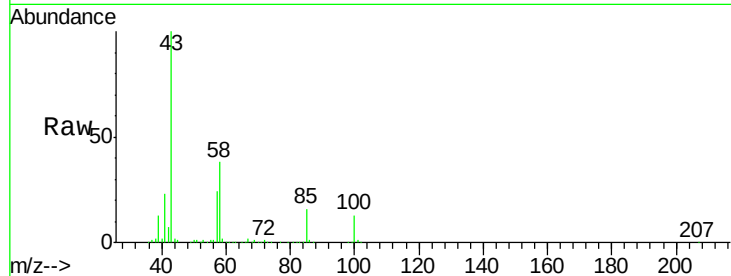
#51
 4-Methyl-2-Pentanone
 Concen: 267.952 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5

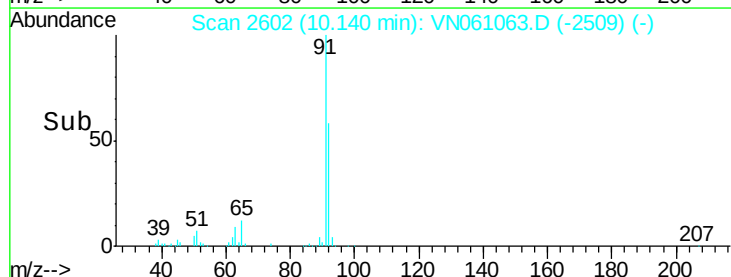
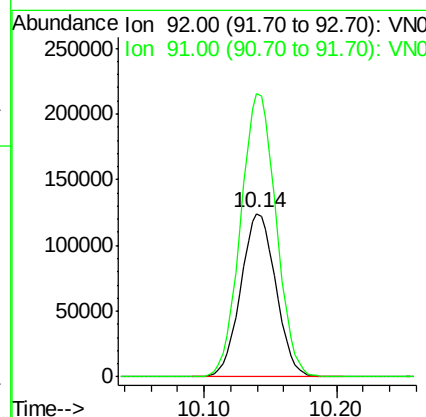
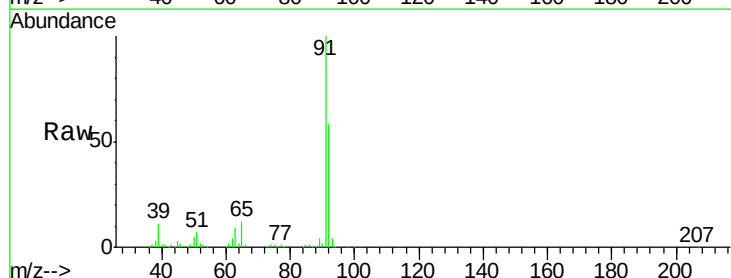
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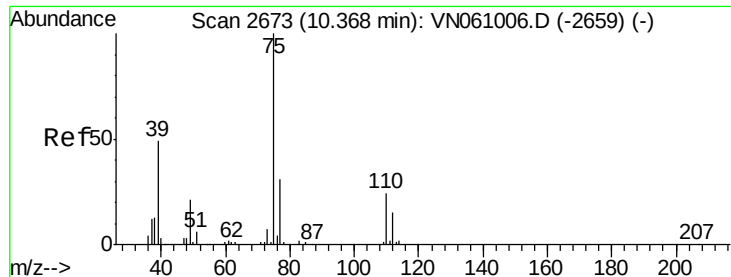
MMDadoda
 4/20/2020 10:20:28 AM



#52
 Toluene
 Concen: 48.458 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.1	137.7	206.5





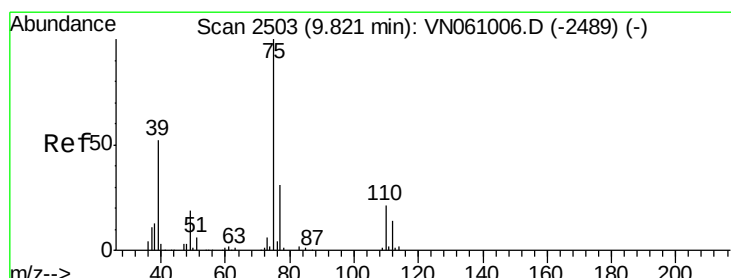
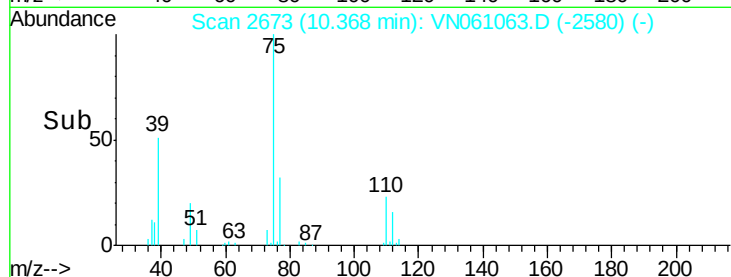
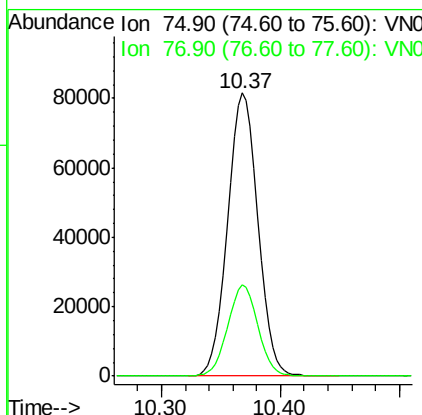
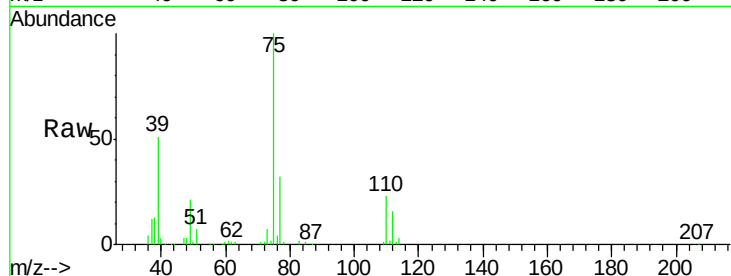
#53
t-1,3-Dichloropropene
Concen: 48.042 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion: 75 Resp: 143723
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.6

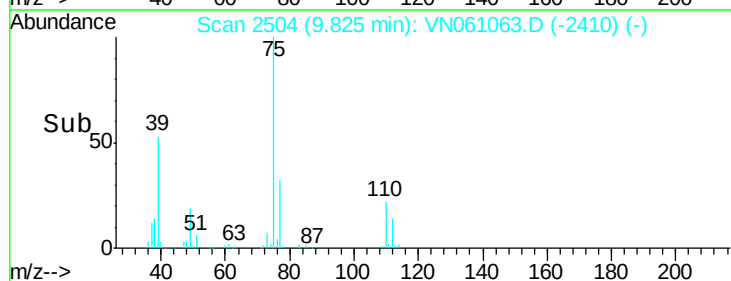
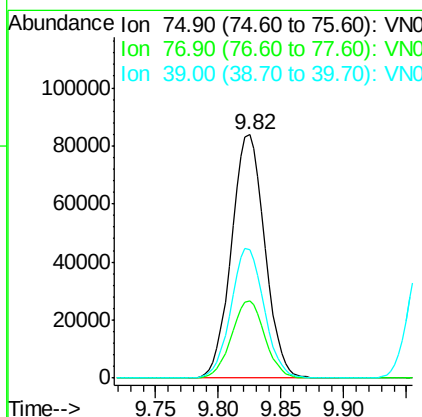
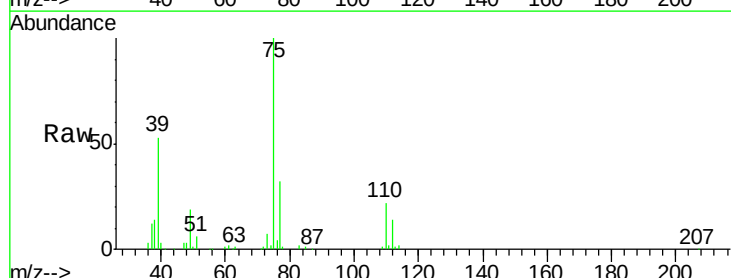
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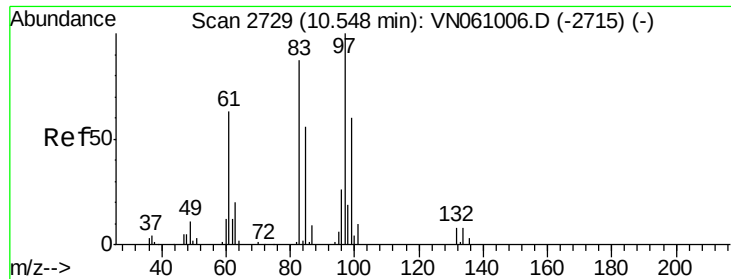
MMDadoda
4/20/2020 10:20:28 AM



#54
cis-1,3-Dichloropropene
Concen: 47.530 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion: 75 Resp: 155143
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 52.6 41.4 62.2





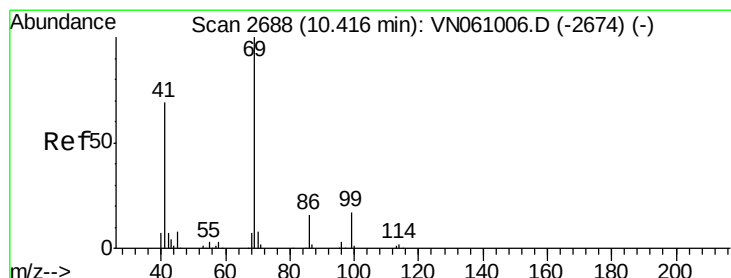
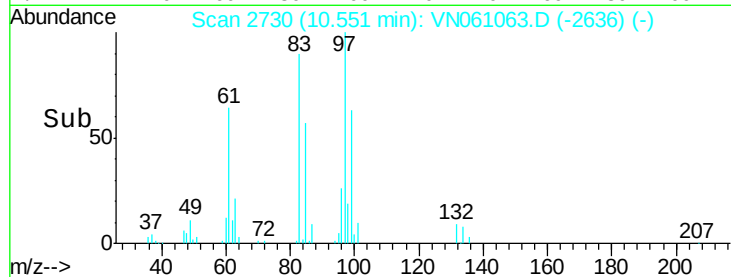
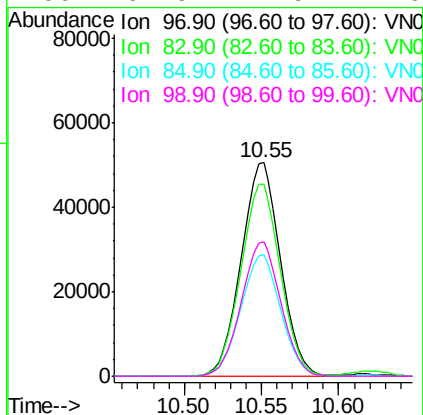
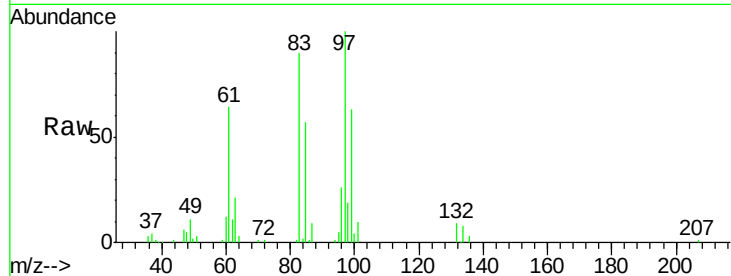
#55
 1,1,2-Trichloroethane
 Concen: 50.314 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.5	104.3
85	56.9	45.0	67.4
99	62.9	47.9	71.9

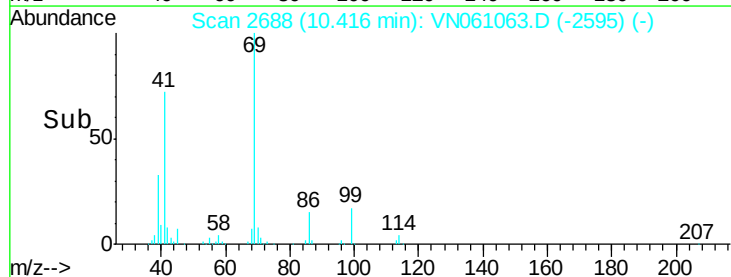
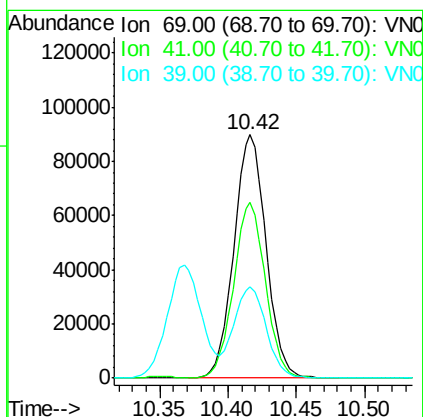
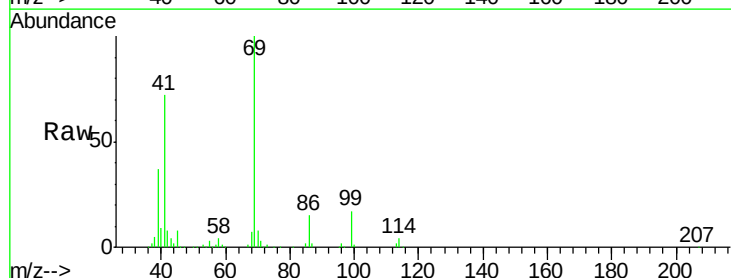
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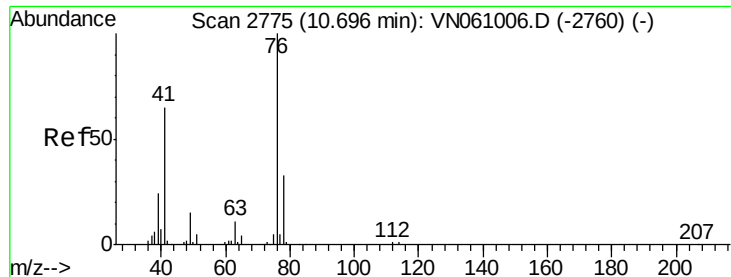
MMDadoda
 4/20/2020 10:20:28 AM



#56
 Ethyl methacrylate
 Concen: 52.674 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.7	85.1
39	37.7	29.4	44.0





#57

1,3-Dichloropropane

Concen: 50.217 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion: 76 Resp: 159195

Ion Ratio Lower Upper

76 100

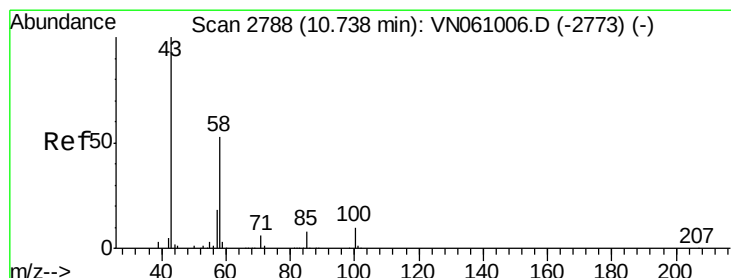
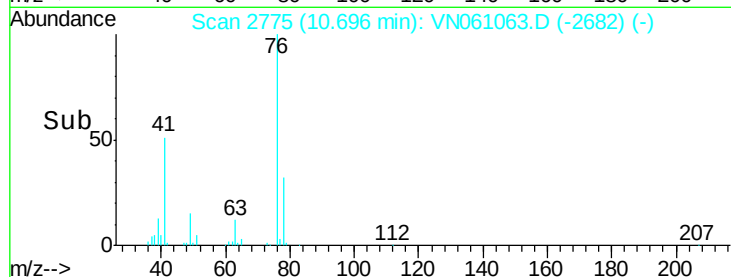
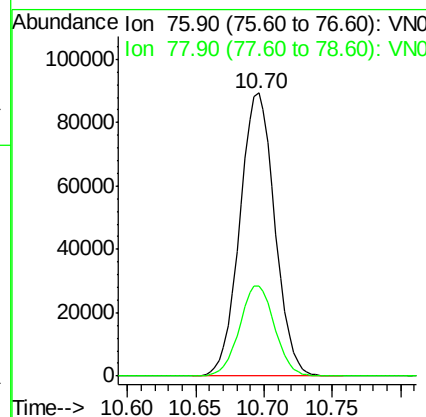
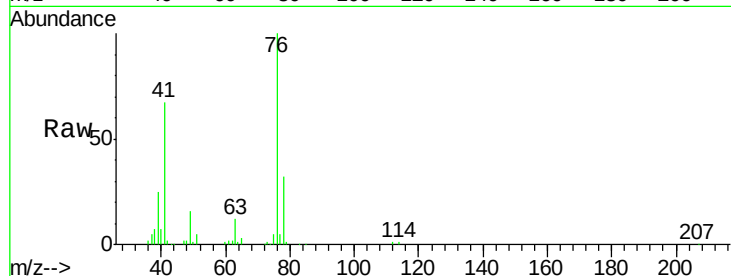
78 32.0 25.4 38.0

Manual Integrations

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MMDadoda

4/20/2020 10:20:28 AM



#59

2-Hexanone

Concen: 272.854 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.00 min

Lab File: VN061063.D

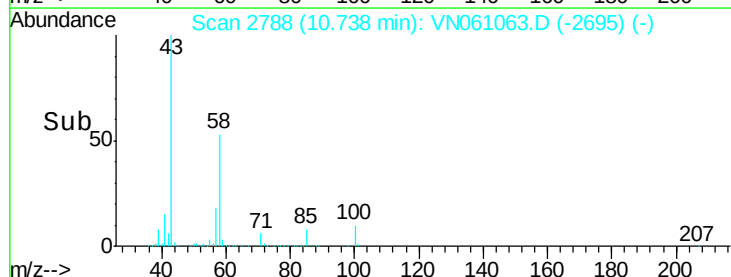
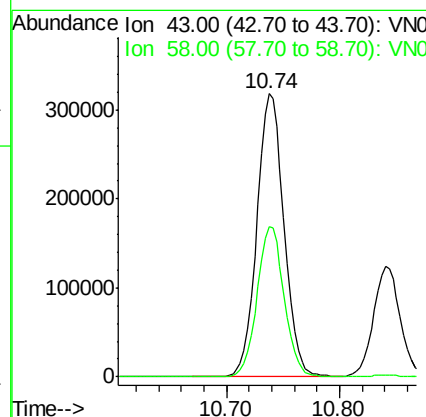
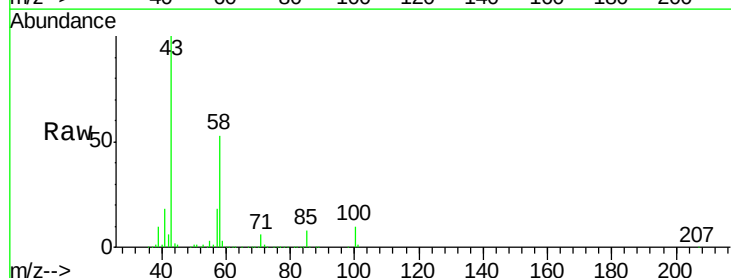
Acq: 17 Apr 2020 19:55

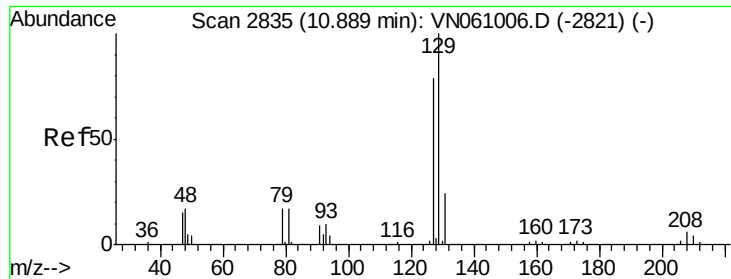
Tgt Ion: 43 Resp: 528620

Ion Ratio Lower Upper

43 100

58 52.8 26.4 79.0





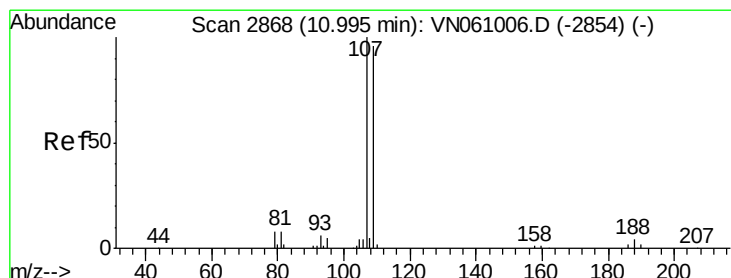
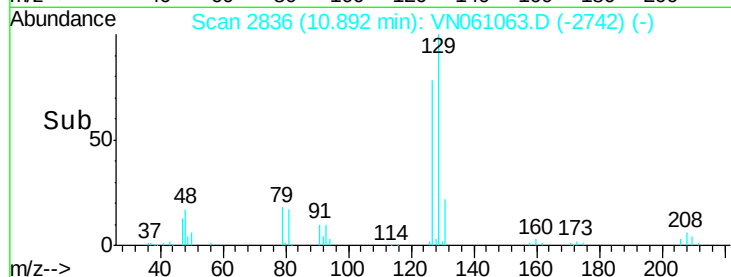
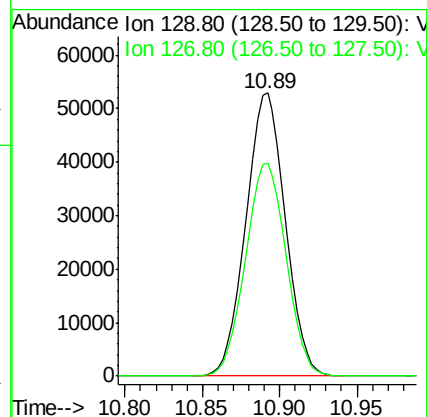
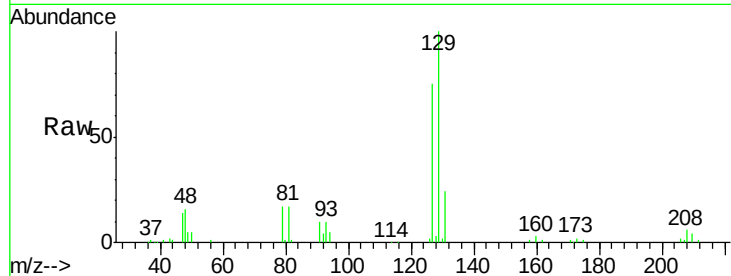
#60
Dibromochloromethane
Concen: 51.540 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion:129 Resp: 94096
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9

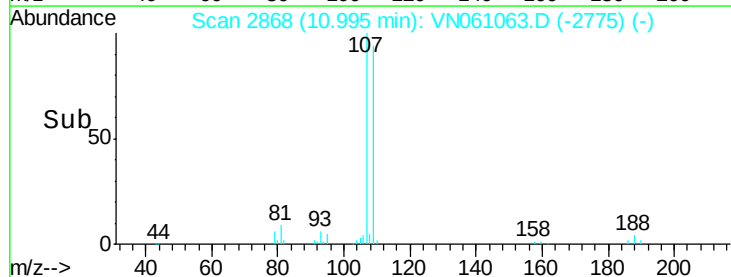
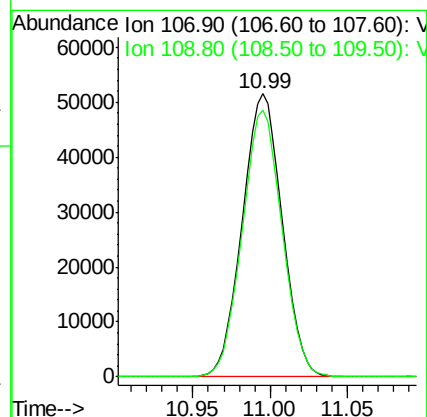
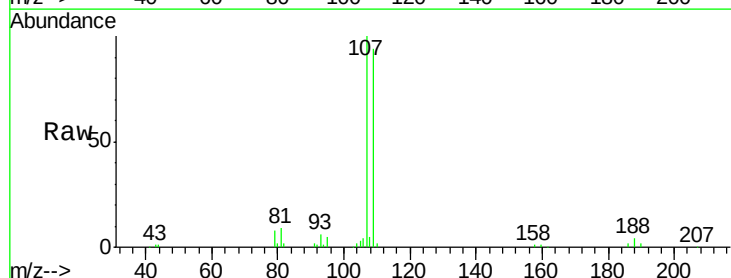
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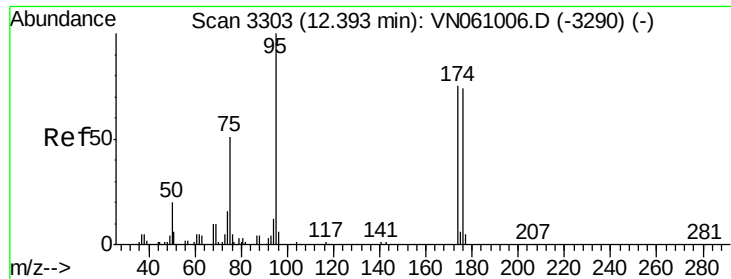
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#61
1,2-Dibromoethane
Concen: 50.997 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion:107 Resp: 92357
Ion Ratio Lower Upper
107 100
109 94.2 75.9 113.9





#62

4-Bromofluorobenzene

Concen: 47.820 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

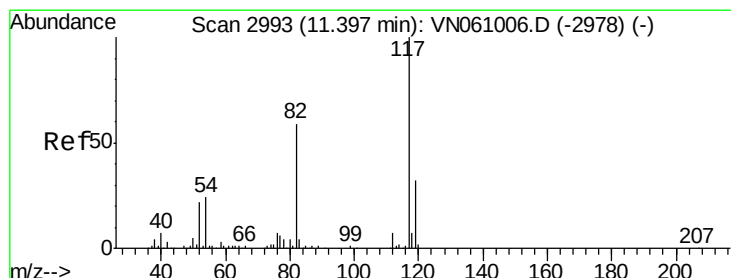
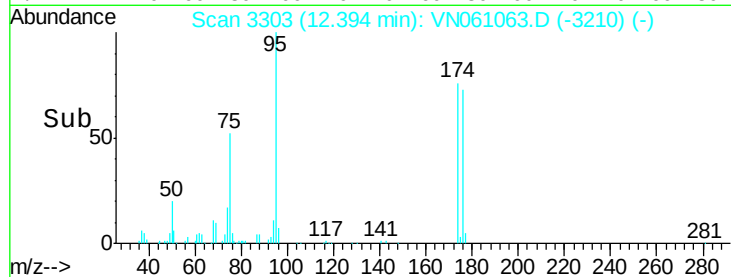
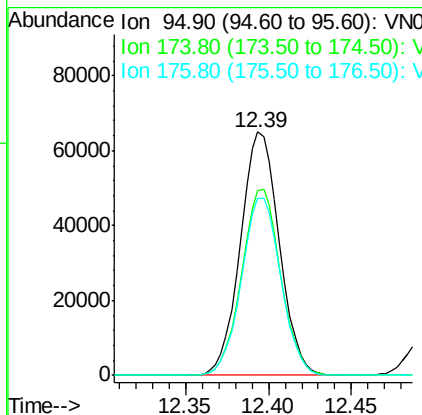
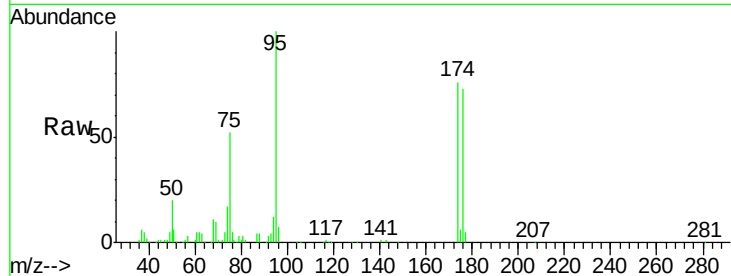
ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion:	95	Resp:	105766
Ion Ratio	Lower	Upper	
95	100		
174	76.6	0.0	151.2
176	73.6	0.0	148.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

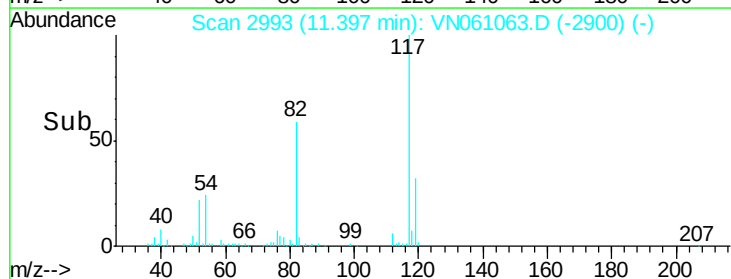
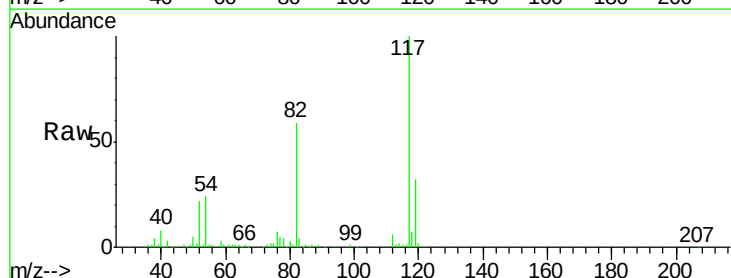
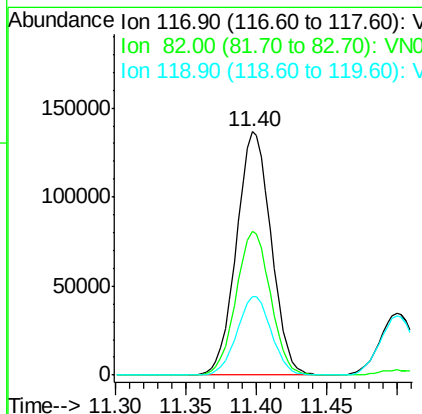
RT: 11.40 min Scan# 2993

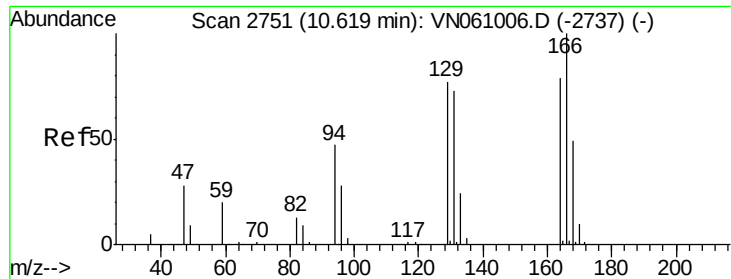
Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Tgt Ion:	117	Resp:	235324
Ion Ratio	Lower	Upper	
117	100		
82	59.1	47.1	70.7
119	32.4	25.7	38.5





#64

Tetrachloroethene

Concen: 48.222 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion:164 Resp: 86835

Ion Ratio Lower Upper

164 100

166 124.7 101.6 152.4

129 93.3 78.5 117.7

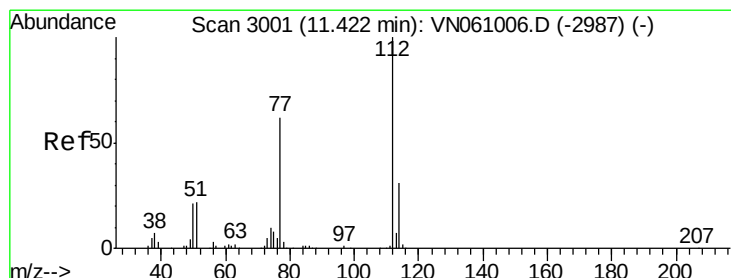
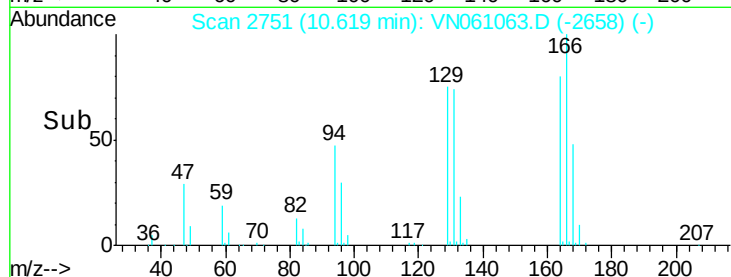
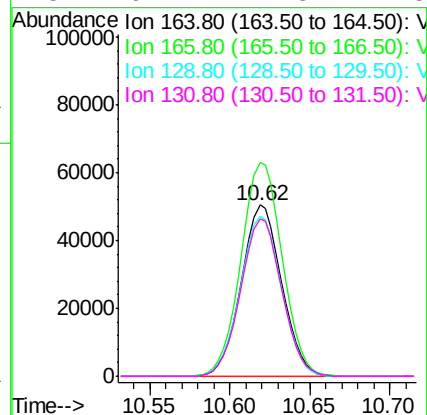
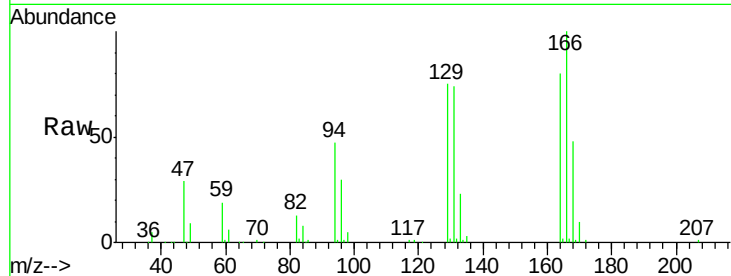
131 91.7 74.3 111.5

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#65

Chlorobenzene

Concen: 47.574 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. 0.00 min

Lab File: VN061063.D

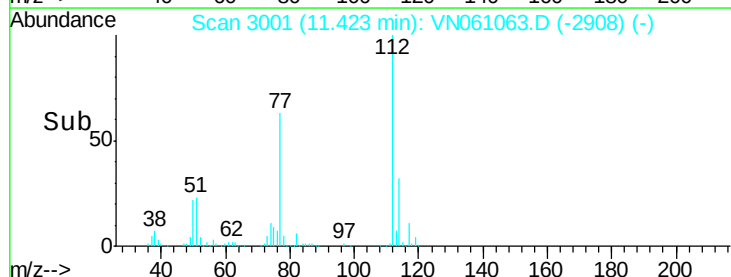
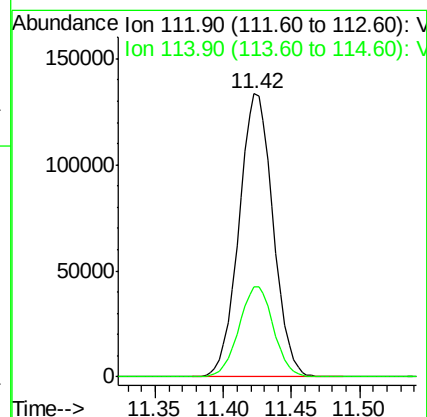
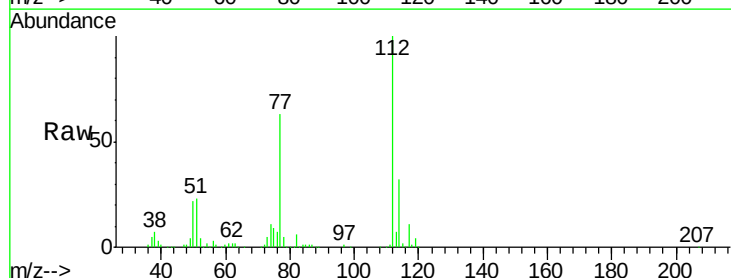
Acq: 17 Apr 2020 19:55

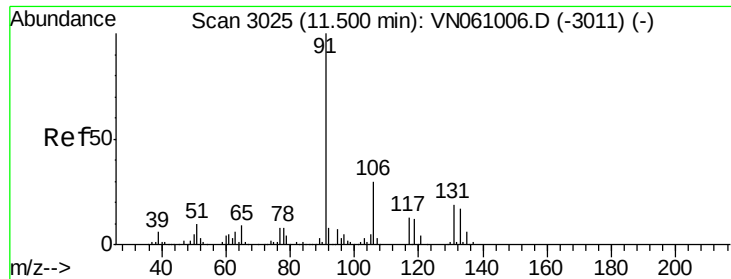
Tgt Ion:112 Resp: 231112

Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7





#66

1,1,1,2-Tetrachloroethane

Concen: 49.204 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion:131 Resp: 85518

Ion Ratio Lower Upper

131 100

133 96.4 47.9 143.8

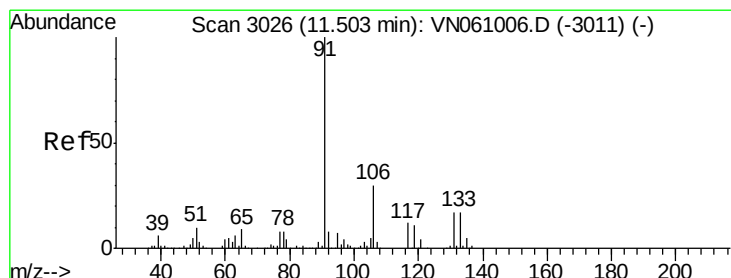
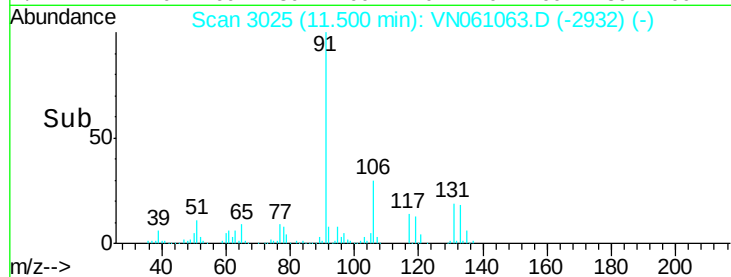
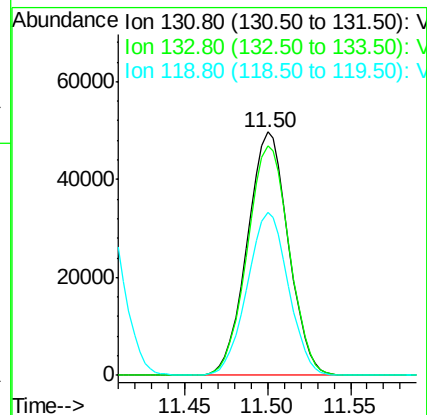
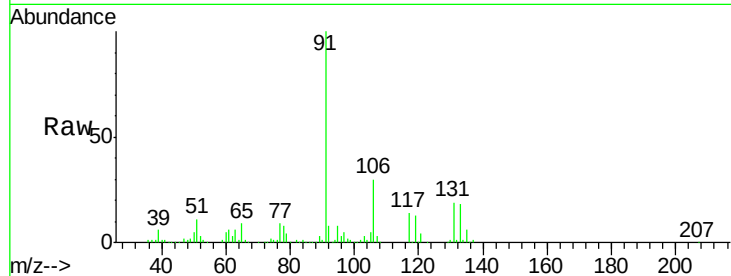
119 67.1 33.3 99.8

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#67

Ethyl Benzene

Concen: 47.989 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN061063.D

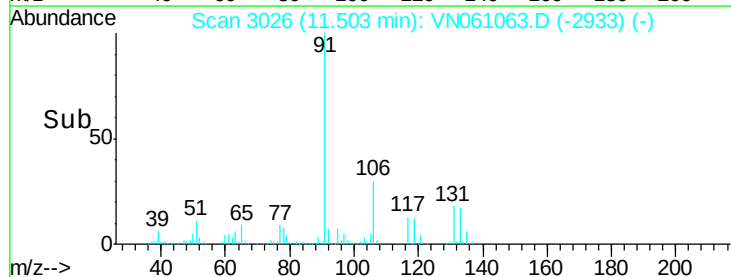
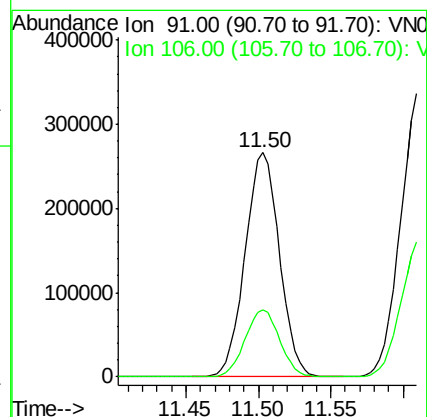
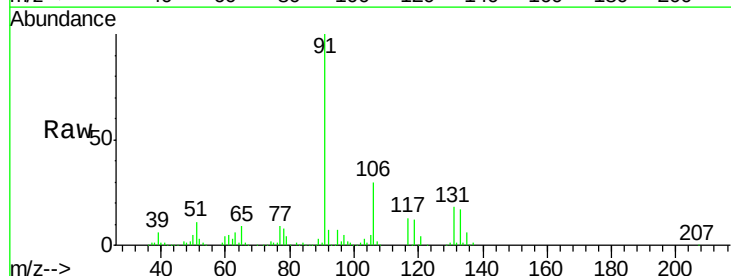
Acq: 17 Apr 2020 19:55

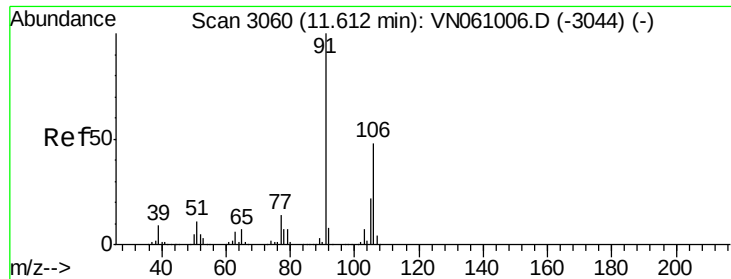
Tgt Ion: 91 Resp: 438521

Ion Ratio Lower Upper

91 100

106 30.0 23.8 35.8





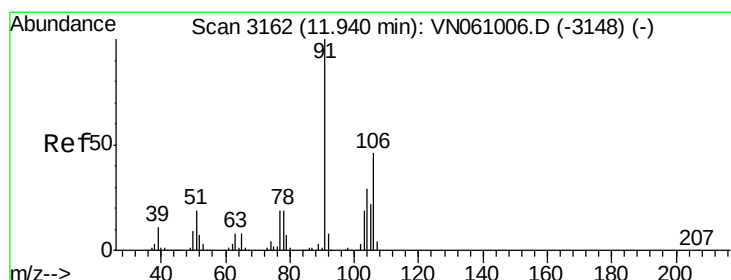
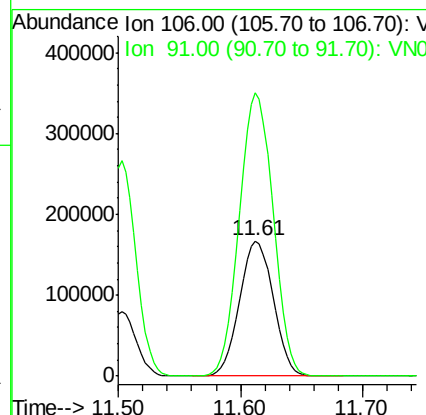
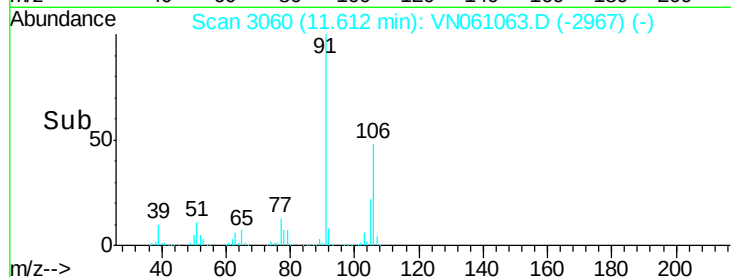
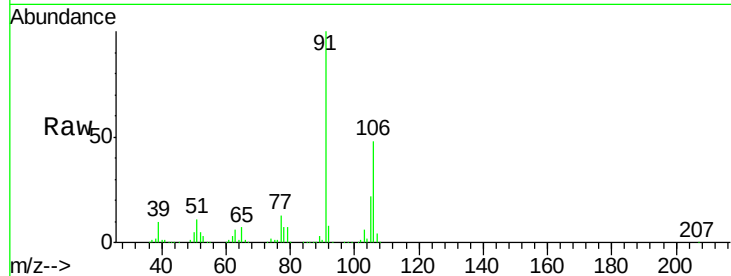
#68
m/p-Xylenes
Concen: 97.006 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.9	167.9	320358	251.9	

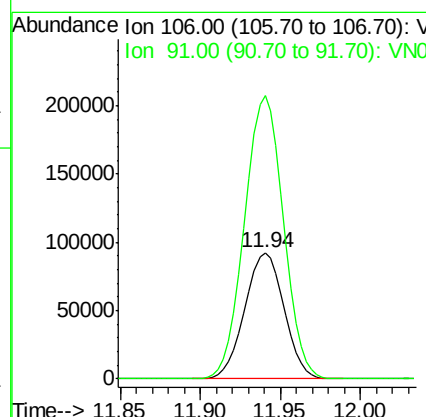
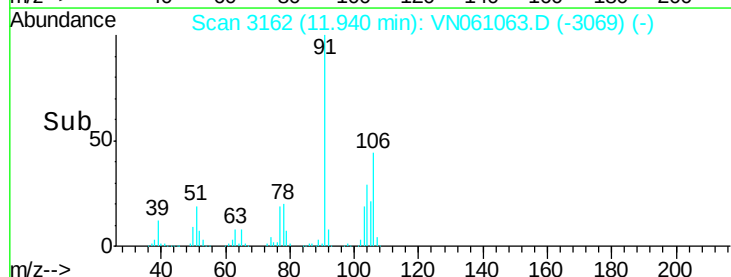
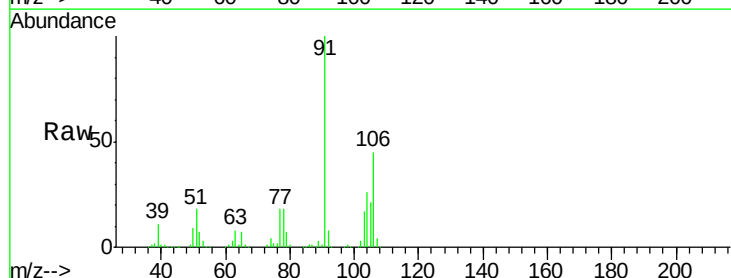
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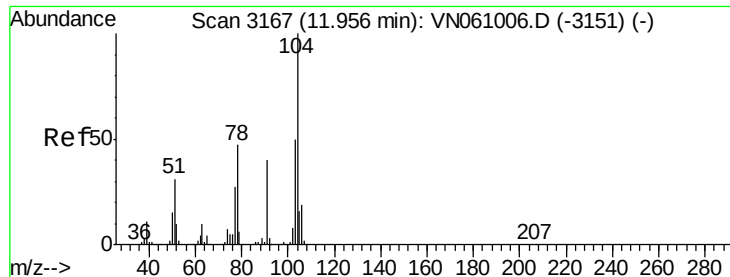
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#69
o-Xylene
Concen: 48.657 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	222.3	110.7	154497	332.1	





#70

Stvrene

Concen: 48.199 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

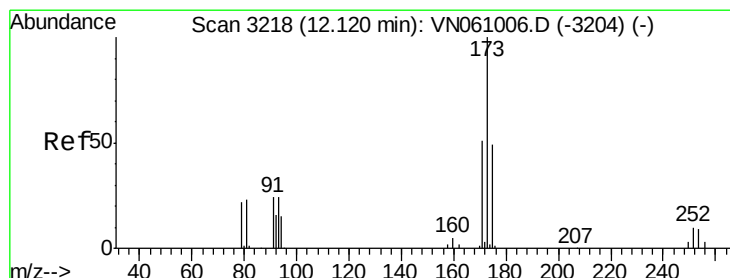
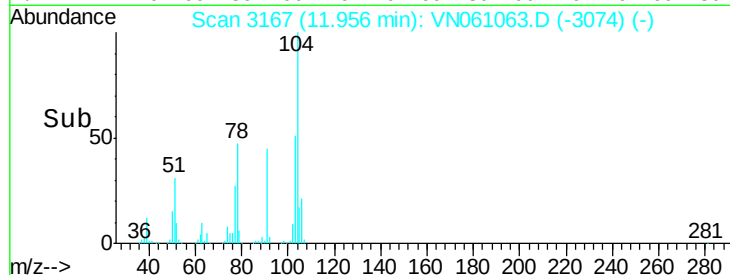
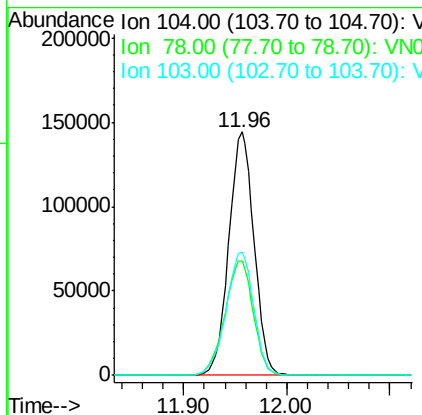
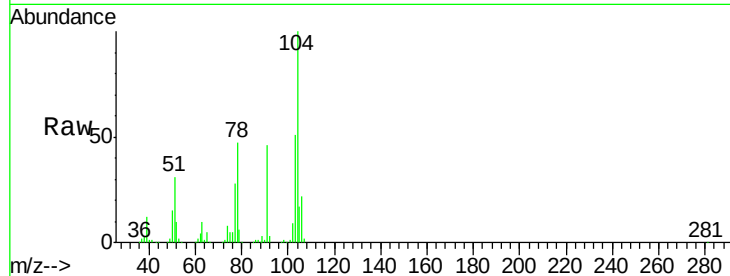
ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion:	104	Resp:	246388
Ion Ratio	Lower	Upper	
104	100		
78	52.5	42.2	63.4
103	55.4	44.4	66.6

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#71

Bromoform

Concen: 52.355 ug/l

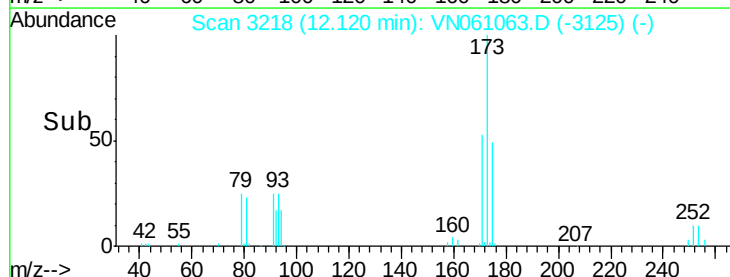
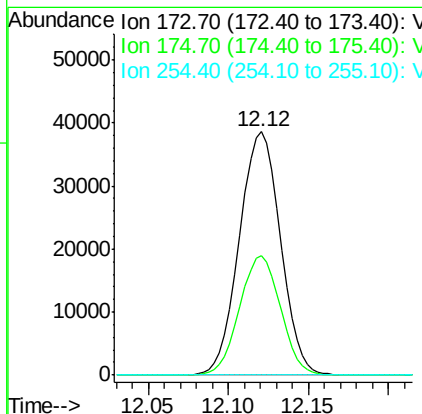
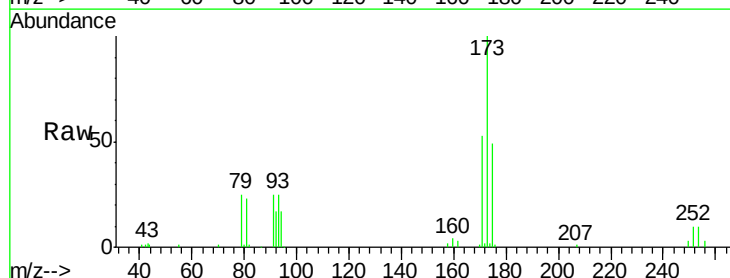
RT: 12.12 min Scan# 3218

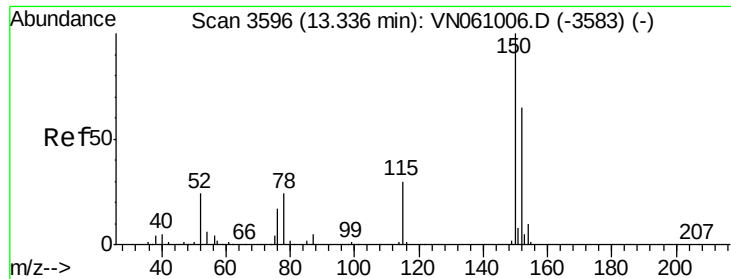
Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Tgt Ion:	173	Resp:	67922
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.5	73.5
254	0.0	0.0	0.0





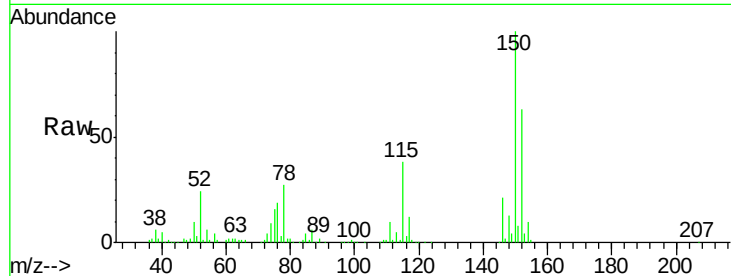
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Resp	Lower	Upper
152	100	112039		
115	59.9	30.8	92.4	
150	170.7	0.0	349.0	

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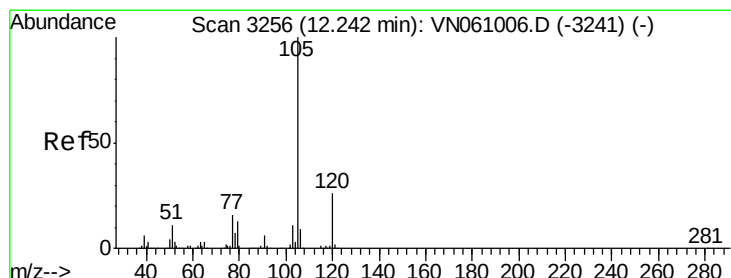
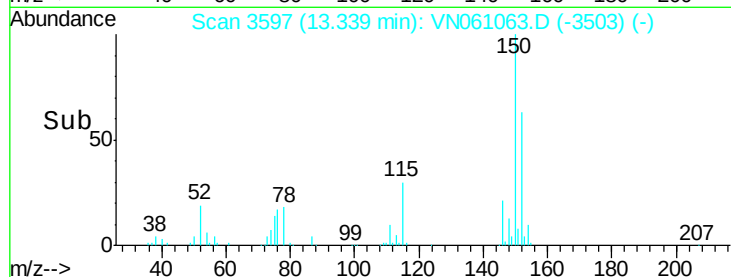
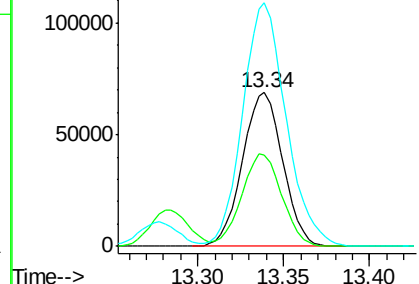


Abundance

Ion 151.90 (151.60 to 152.60): V

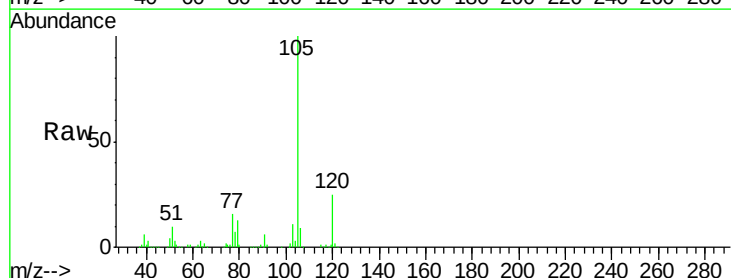
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73
 Isopropylbenzene
 Concen: 45.995 ug/l
 RT: 12.24 min Scan# 3256
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

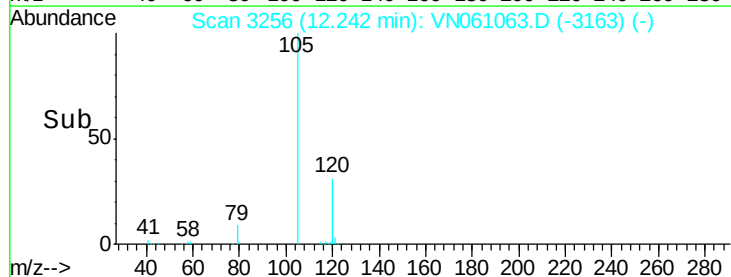
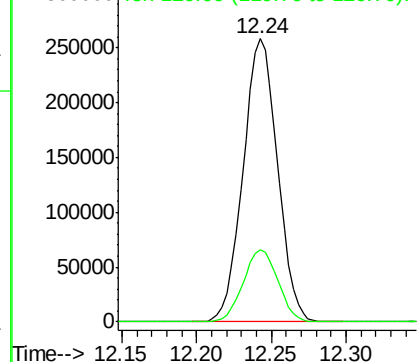
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	412847		
120	25.8	13.0	38.9	

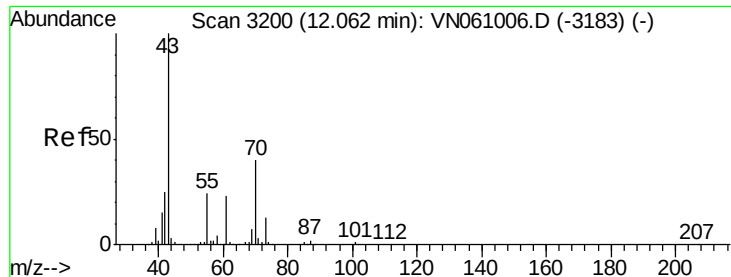


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





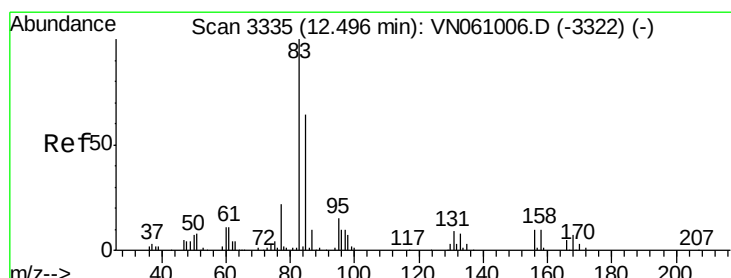
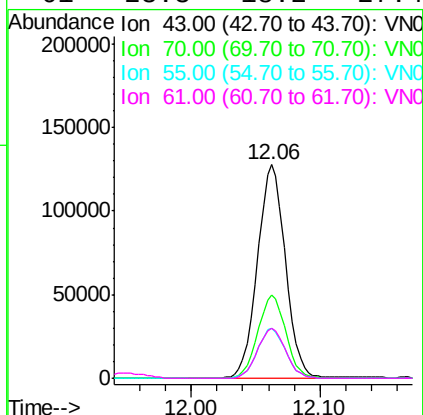
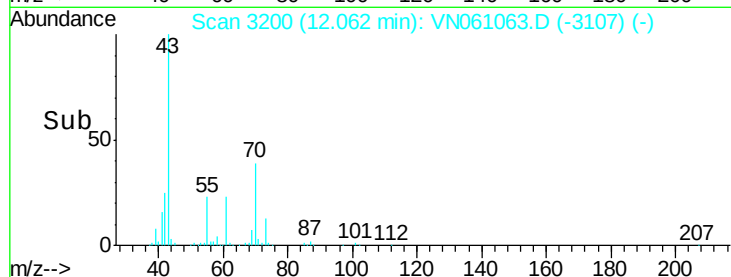
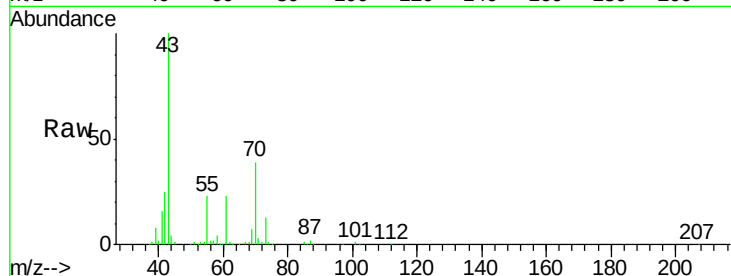
#74
N-amyl acetate
Concen: 46.515 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	38.9	31.0	46.6
55	23.6	18.6	27.8
61	23.3	18.2	27.4

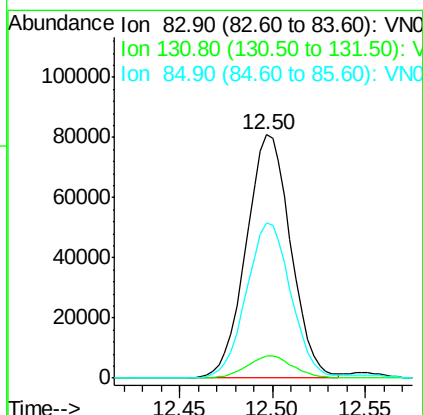
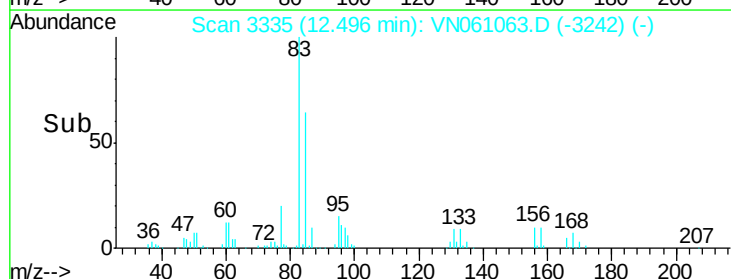
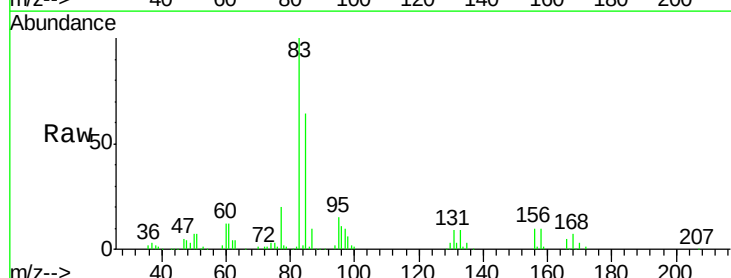
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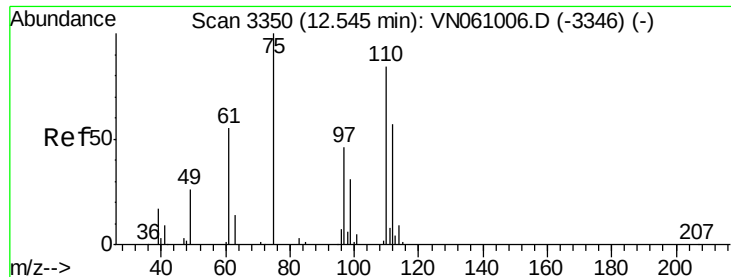
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#75
1,1,2,2-Tetrachloroethane
Concen: 49.617 ug/l
RT: 12.50 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	63.6	32.3	96.8





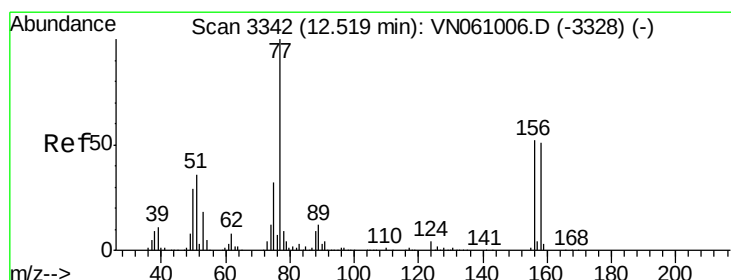
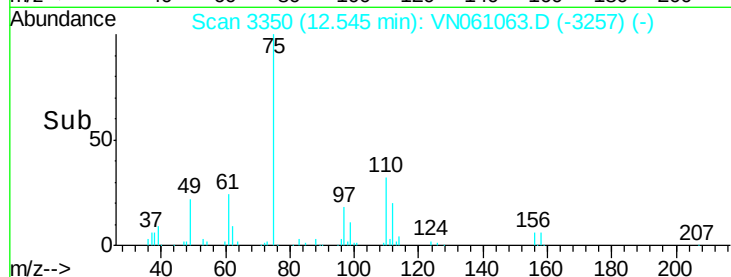
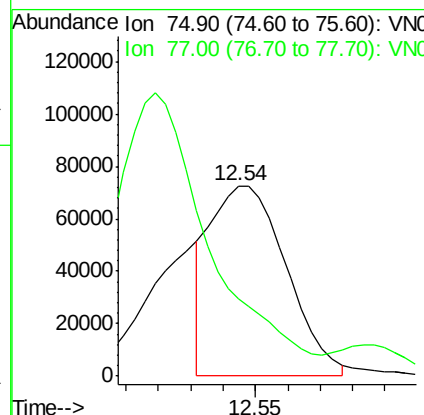
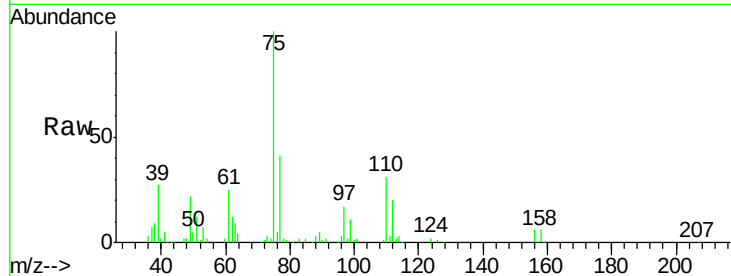
#76
 1,2,3-Trichloropropane
 Concen: 47.853 ug/l m
 RT: 12.54 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion: 75 Resp: 117928
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

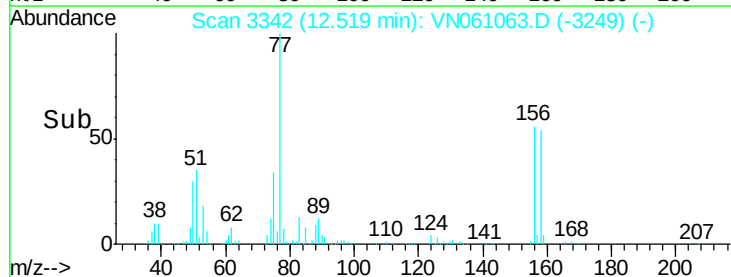
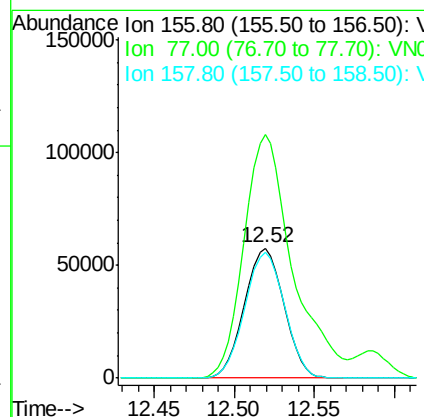
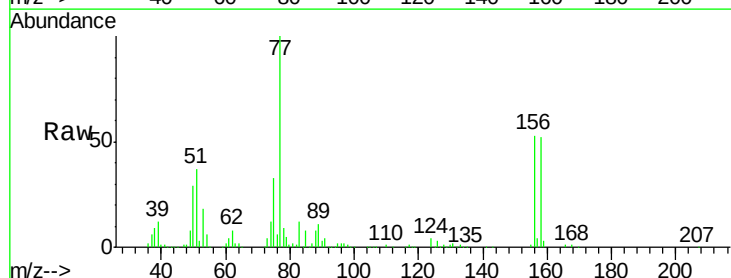
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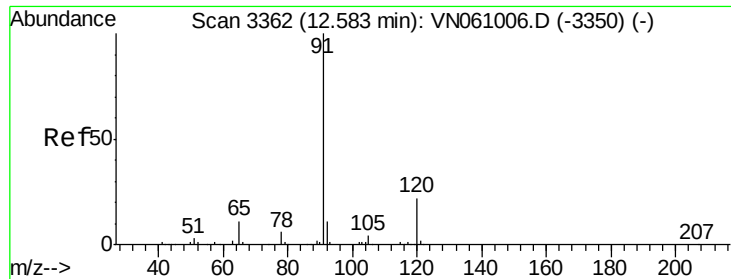
MMDadoda
 4/20/2020 10:20:28 AM



#77
 Bromobenzene
 Concen: 46.594 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion: 156 Resp: 97648
 Ion Ratio Lower Upper
 156 100
 77 230.3 115.6 346.8
 158 97.2 48.9 146.6





#78

n-propylbenzene

Concen: 46.388 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion: 91 Resp: 487156

Ion Ratio Lower Upper

91 100

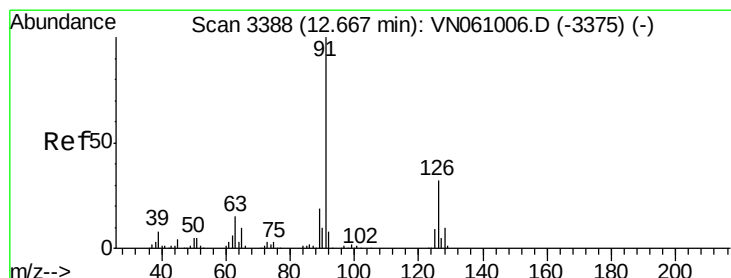
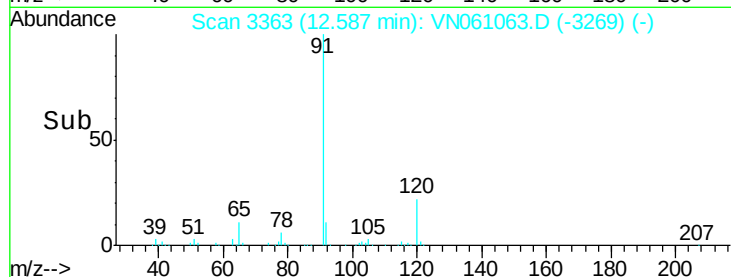
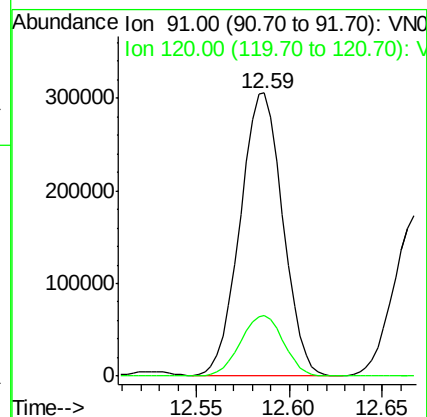
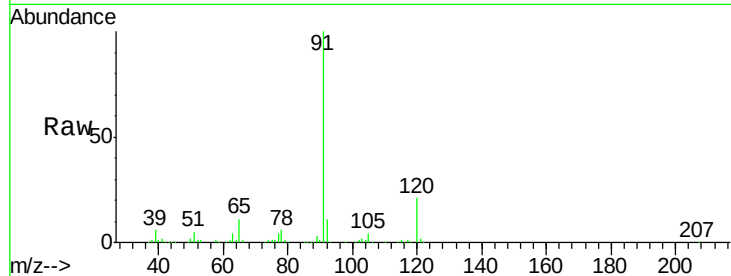
120 21.6 10.9 32.7

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#79

2-Chlorotoluene

Concen: 46.291 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061063.D

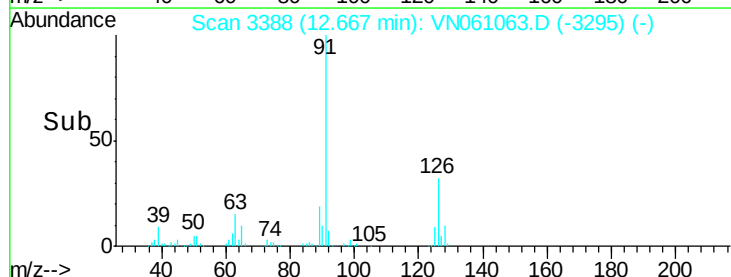
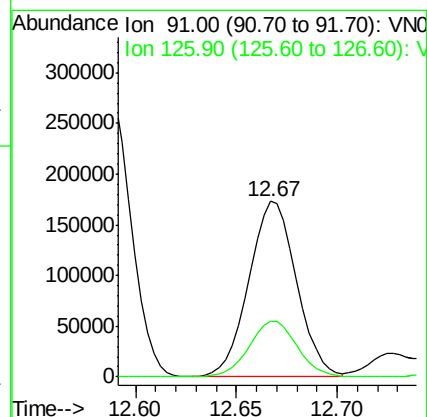
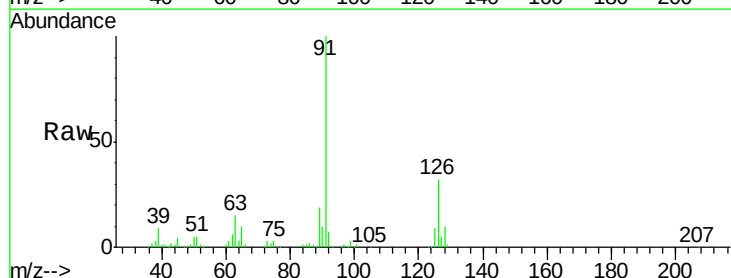
Acq: 17 Apr 2020 19:55

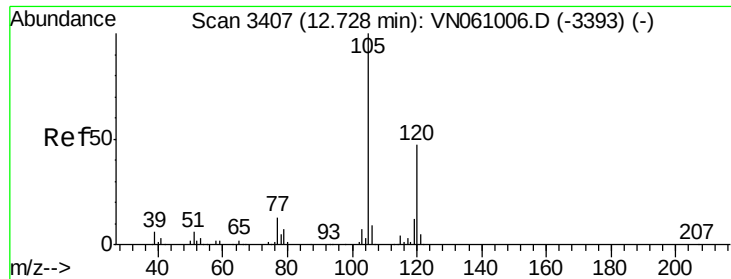
Tgt Ion: 91 Resp: 285117

Ion Ratio Lower Upper

91 100

126 32.1 16.1 48.2





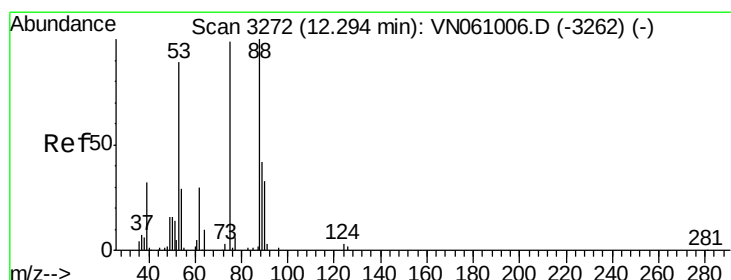
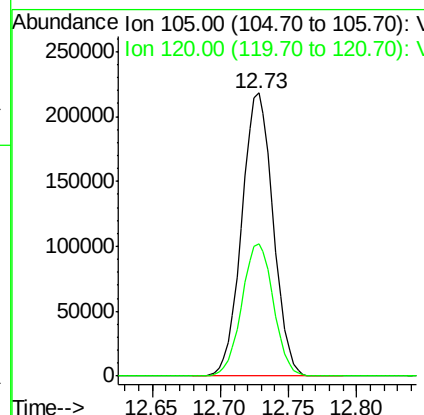
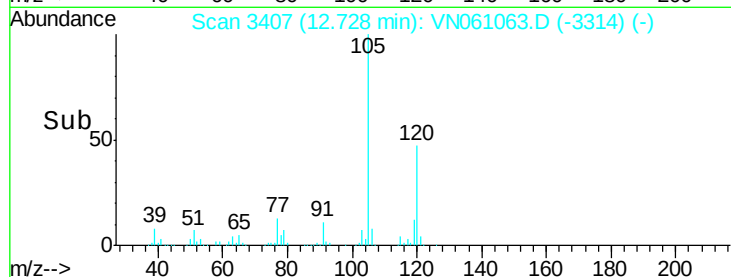
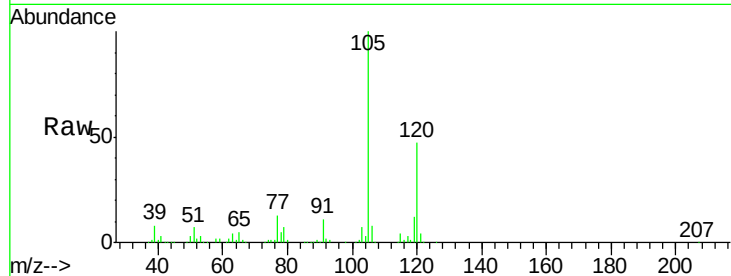
#80
 1,3,5-Trimethylbenzene
 Concen: 46.811 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.6	70.8

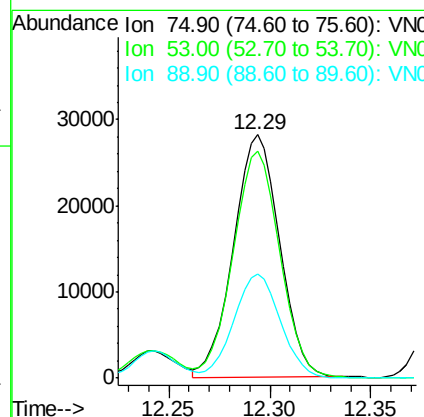
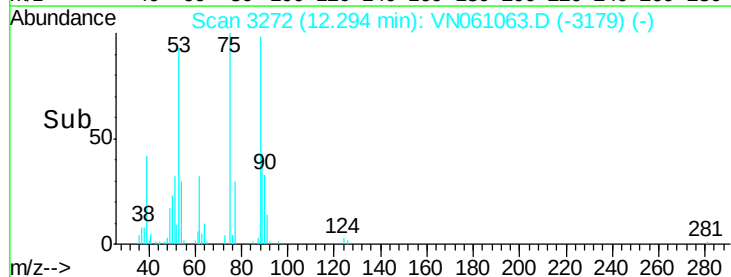
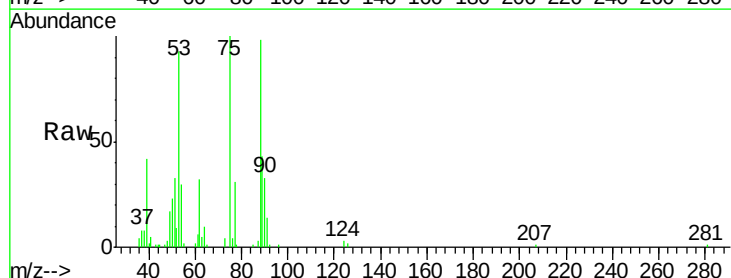
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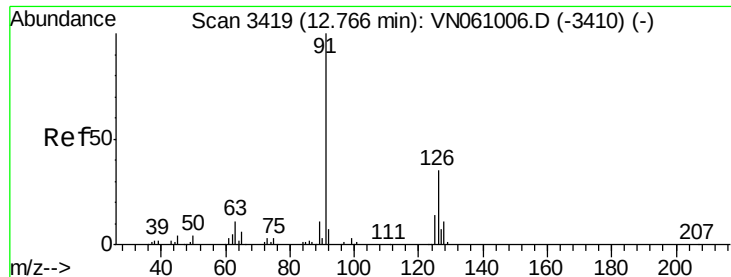
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.061 ug/l
 RT: 12.29 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
53	95.6	74.7	112.1
89	43.3	34.6	52.0





#82

4-Chlorotoluene

Concen: 46.099 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion: 91 Resp: 294480

Ion Ratio Lower Upper

91 100

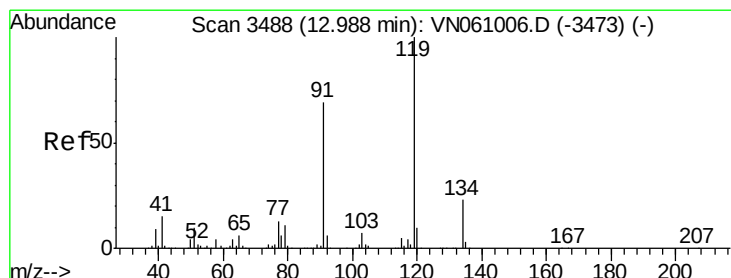
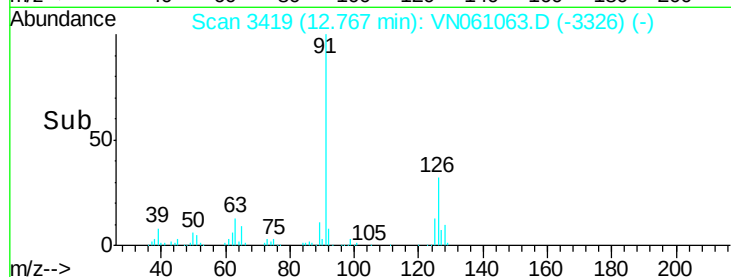
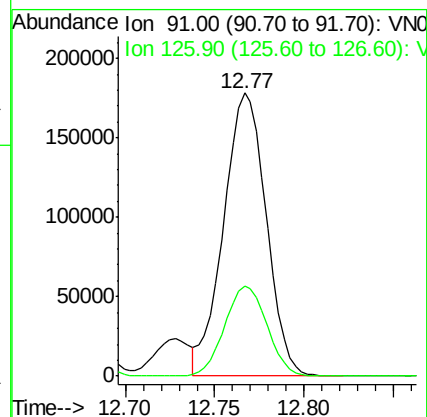
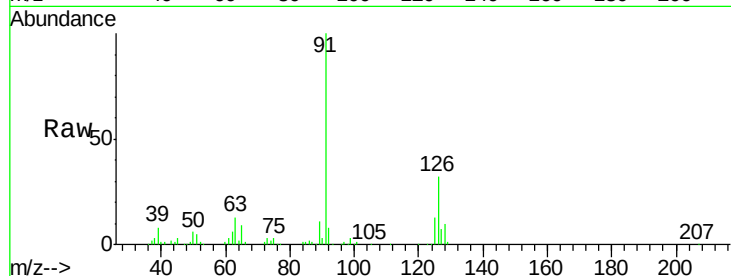
126 31.8 15.9 47.6

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#83

tert-Butylbenzene

Concen: 46.244 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

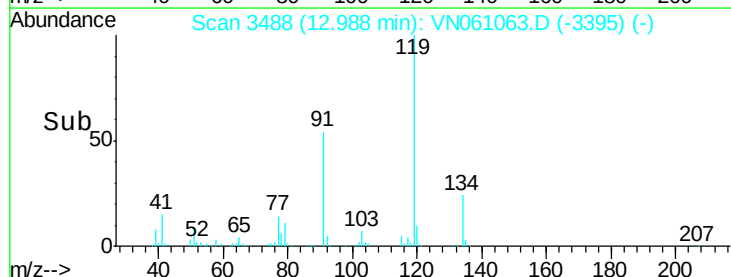
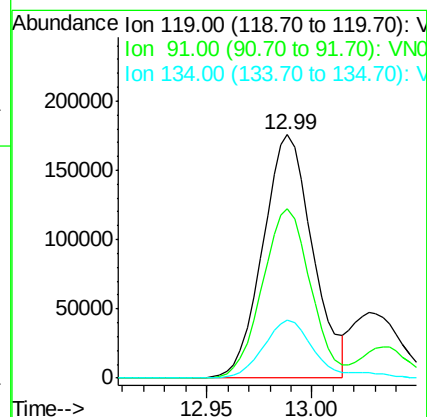
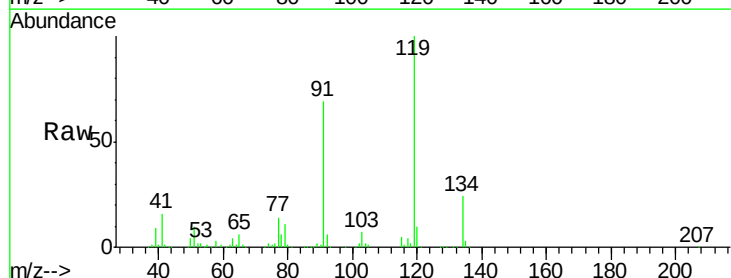
Tgt Ion: 119 Resp: 288541

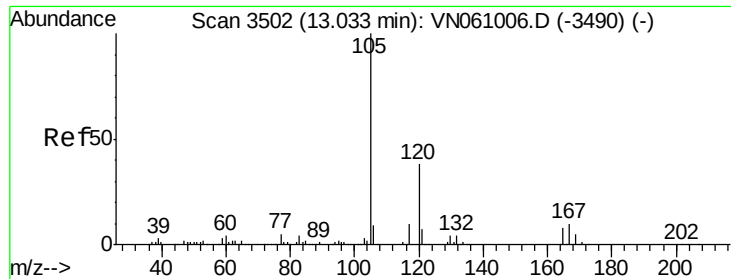
Ion Ratio Lower Upper

119 100

91 67.9 34.1 102.3

134 24.9 12.4 37.2





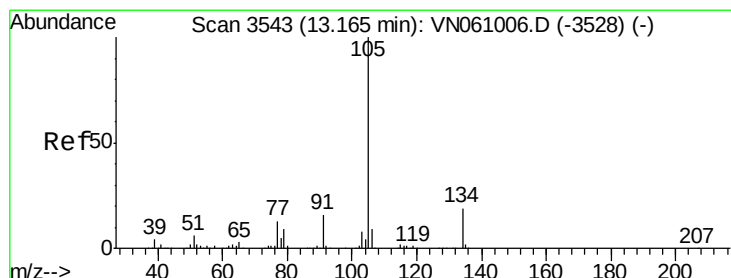
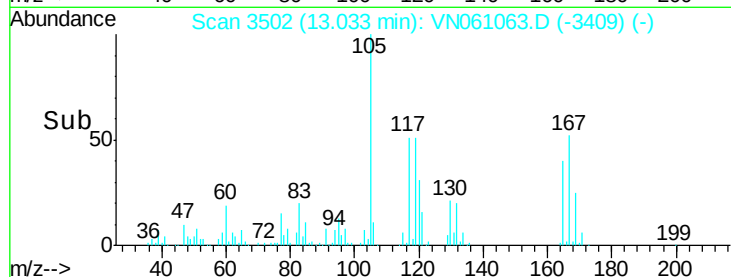
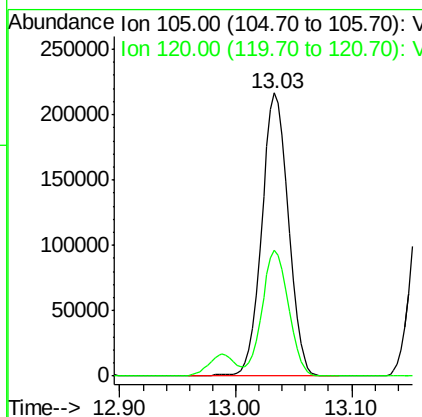
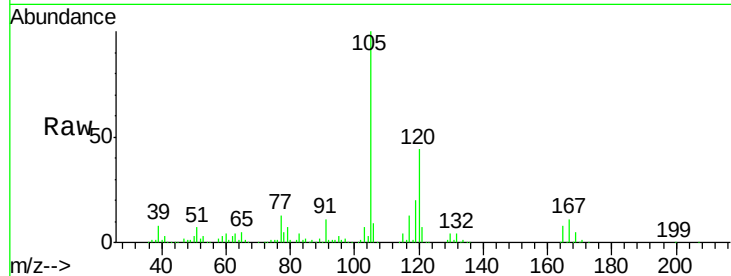
#84
 1,2,4-Trimethylbenzene
 Concen: 47.278 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.5

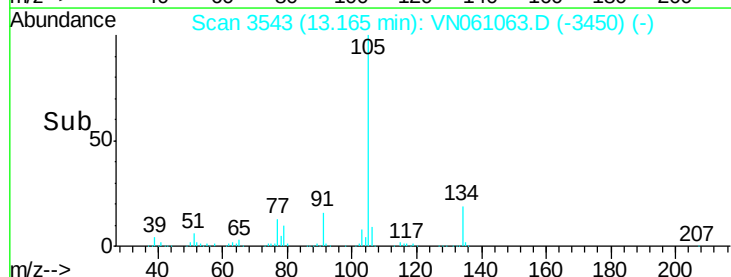
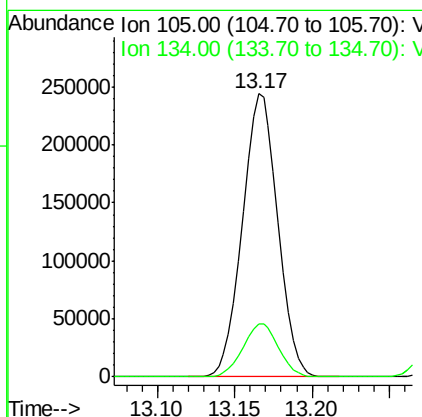
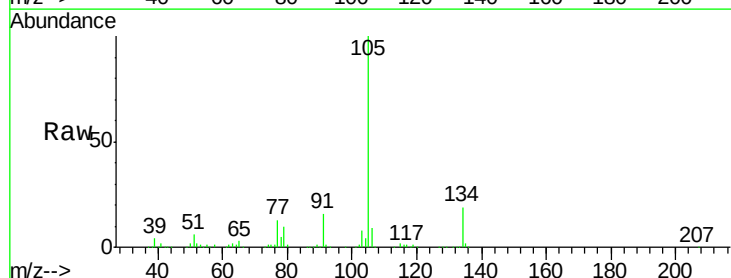
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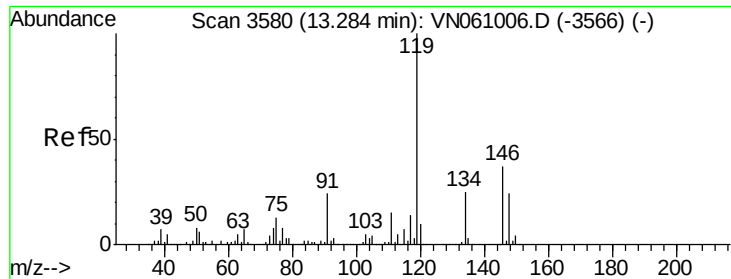
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#85
 sec-Butylbenzene
 Concen: 45.861 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.5	28.5





#86

p-Isopropyltoluene

Concen: 46.034 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

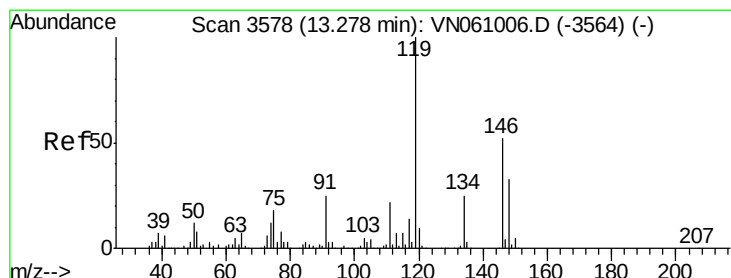
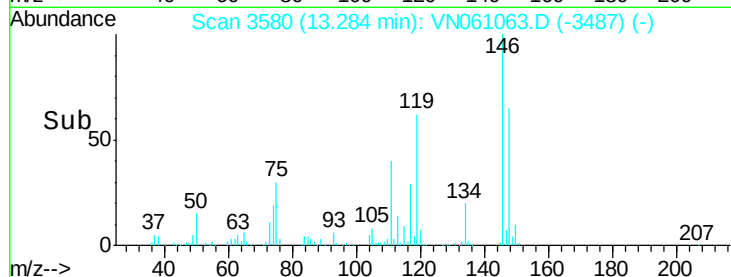
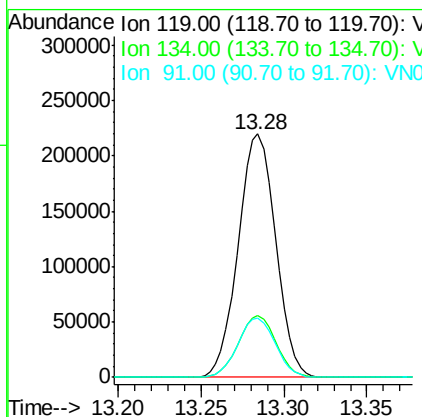
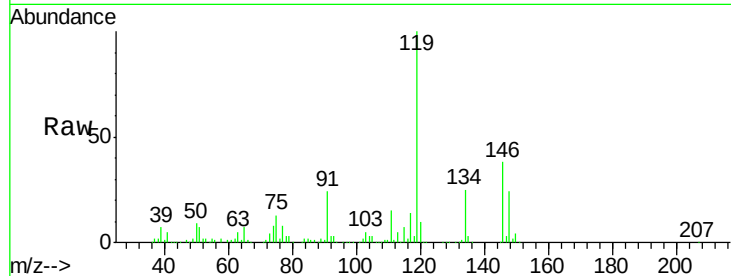
ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion:	119	Resp:	346557
Ion Ratio		Lower	Upper
119	100		
134	25.5	12.8	38.4
91	24.4	12.3	36.8

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#87

1,3-Dichlorobenzene

Concen: 45.978 ug/l

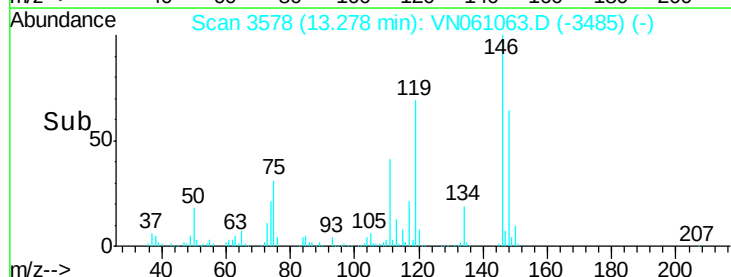
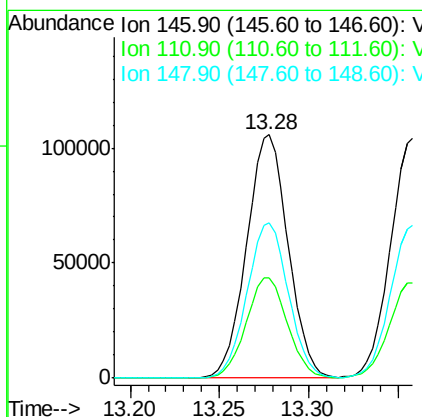
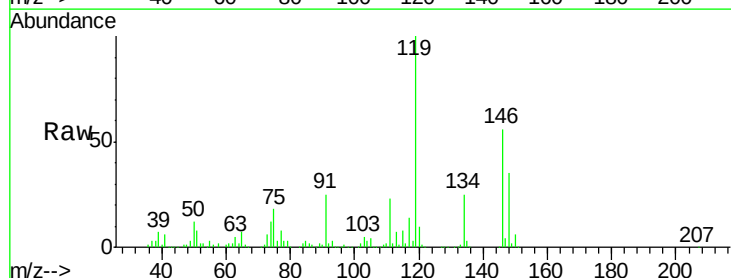
RT: 13.28 min Scan# 3578

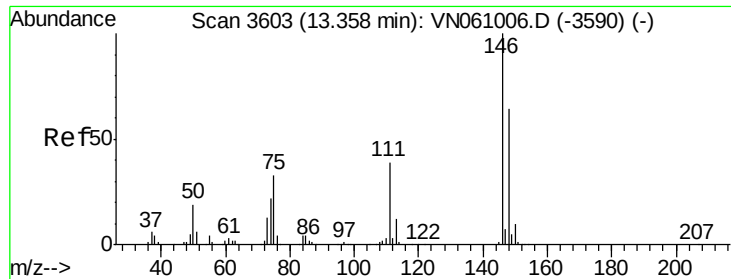
Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Tgt Ion:	146	Resp:	171724
Ion Ratio		Lower	Upper
146	100		
111	41.2	20.6	61.8
148	63.6	31.8	95.3





#88

1,4-Dichlorobenzene

Concen: 45.320 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

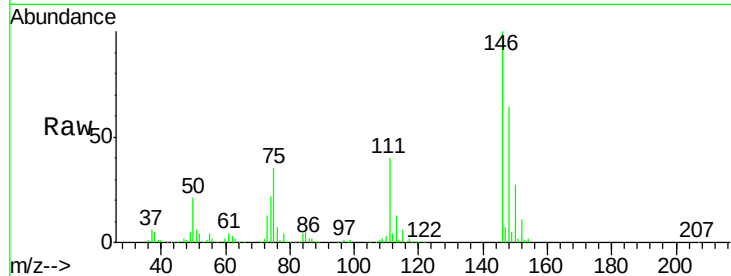
ClientSampleId :

BP-VPB180-GW-403-405MS

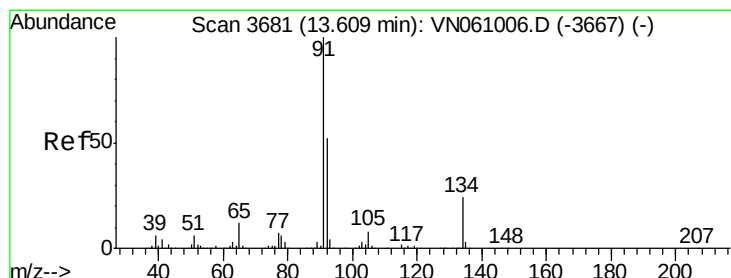
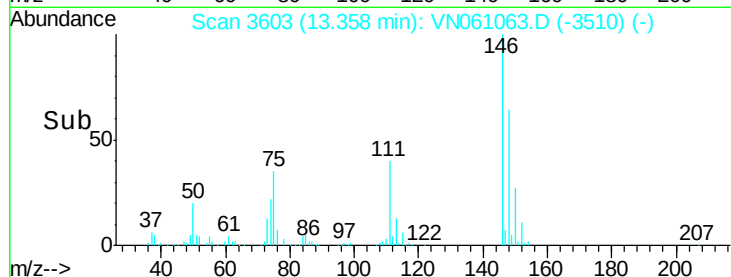
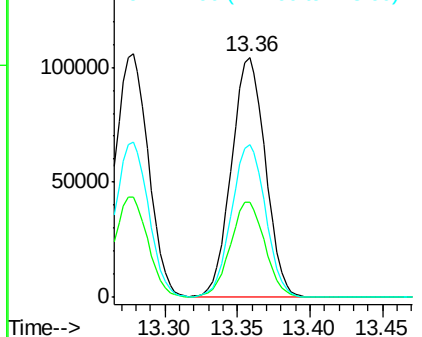
Tot Ion:	146	Resp:	170285
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.1	60.3
148	63.9	32.1	96.3

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 44.302 ug/l

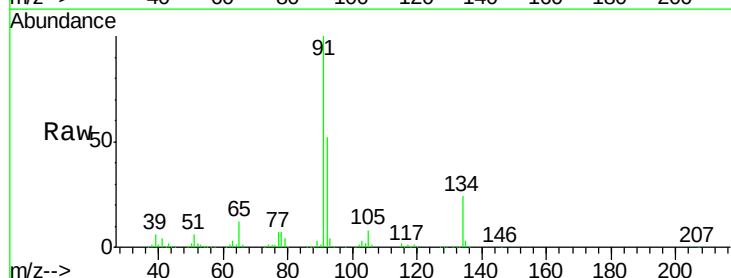
RT: 13.61 min Scan# 3681

Delta R.T. 0.00 min

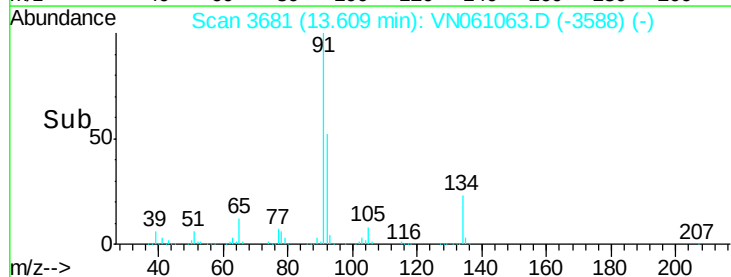
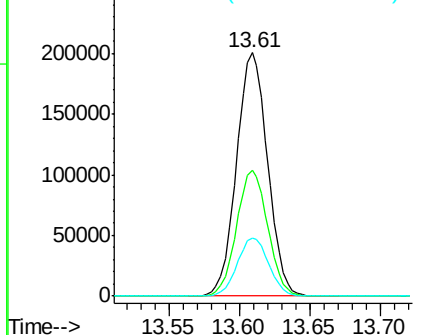
Lab File: VN061063.D

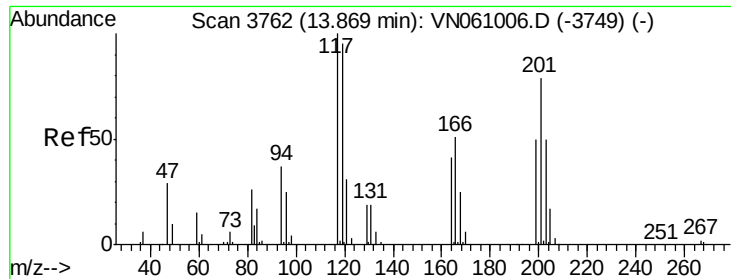
Acq: 17 Apr 2020 19:55

Tgt Ion:	91	Resp:	310144
Ion Ratio	Lower	Upper	
91	100		
92	51.8	26.1	78.2
134	24.1	12.3	36.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





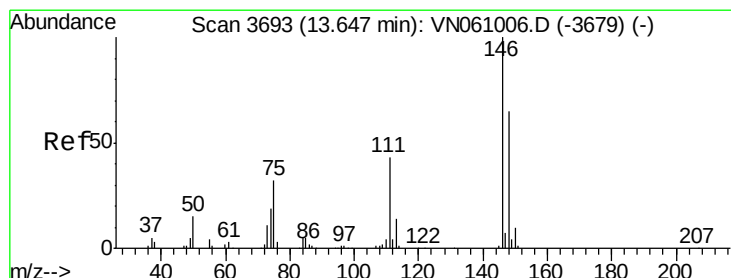
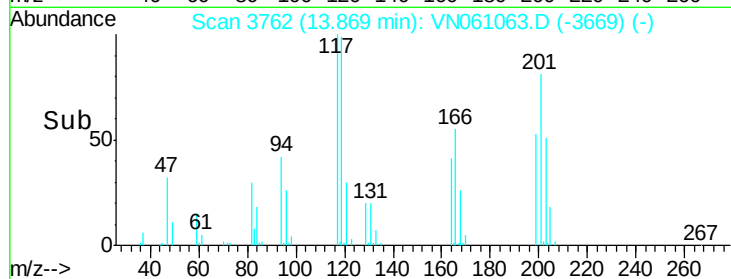
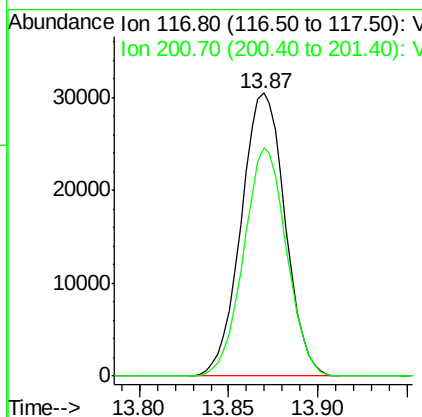
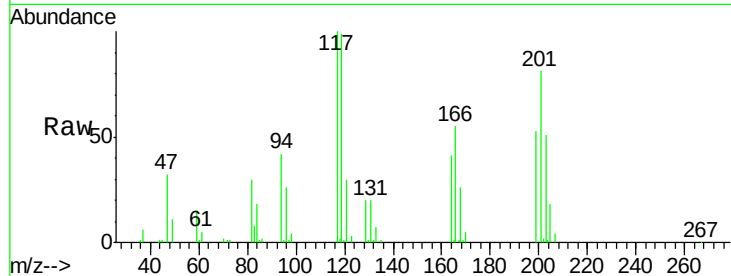
#90
Hexachloroethane
Concen: 45.420 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-403-405MS

Tot Ion:117 Resp: 52460
Ion Ratio Lower Upper
117 100
201 78.6 39.3 117.9

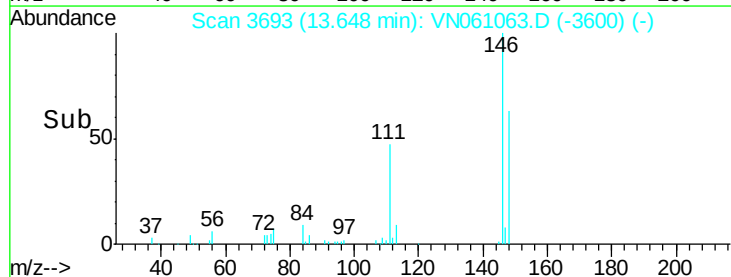
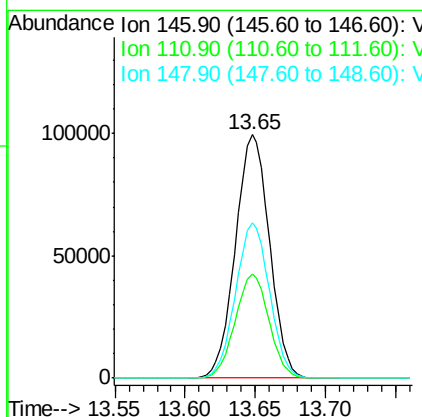
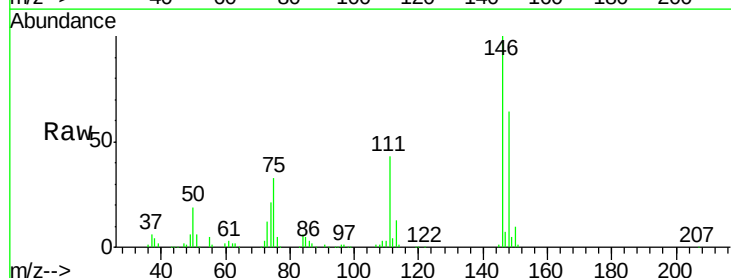
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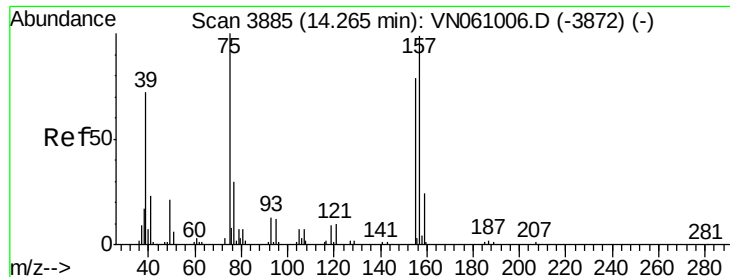
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#91
1,2-Dichlorobenzene
Concen: 47.273 ug/l
RT: 13.65 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VN061063.D
Acq: 17 Apr 2020 19:55

Tgt Ion:146 Resp: 168514
Ion Ratio Lower Upper
146 100
111 42.4 21.3 64.0
148 63.5 32.0 96.0





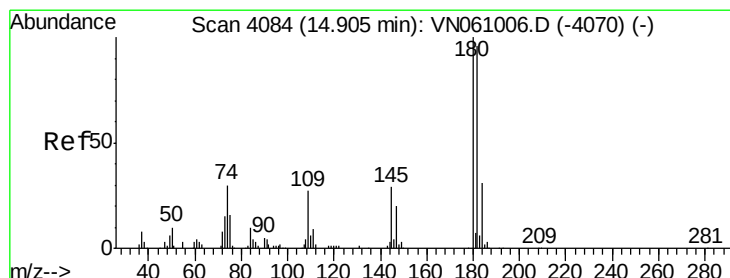
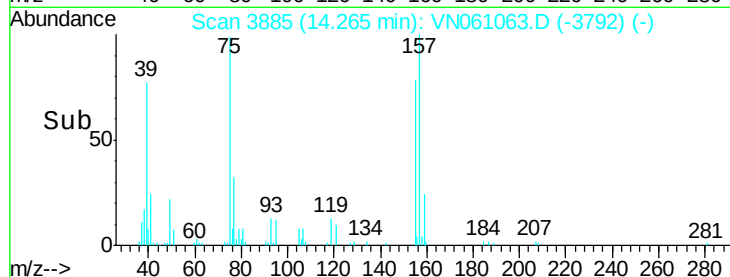
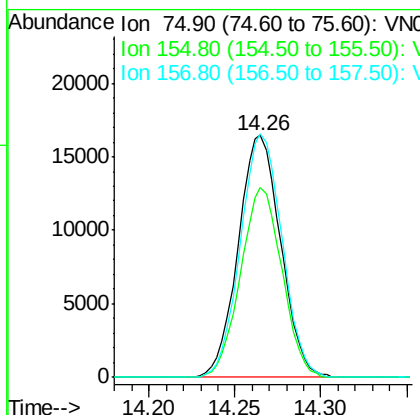
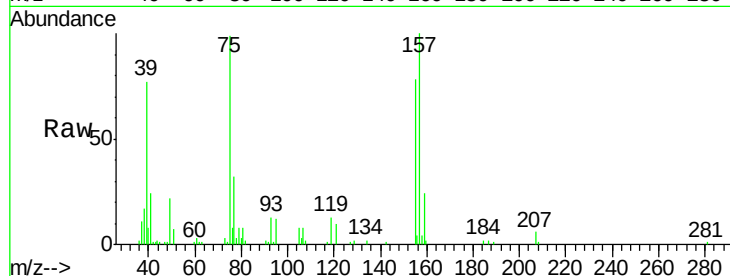
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.085 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	76.4	39.5	118.5
157	98.5	50.1	150.4

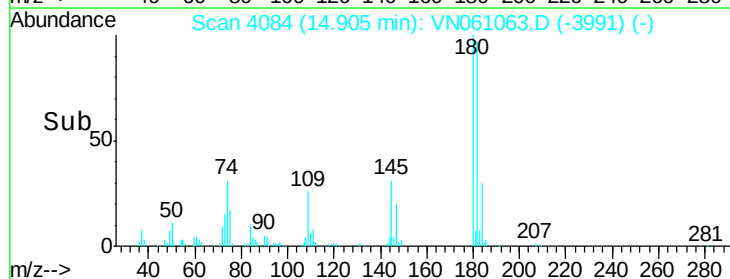
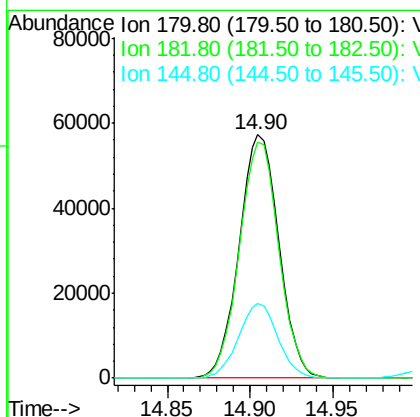
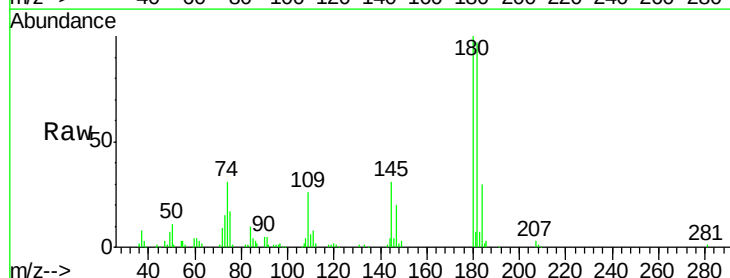
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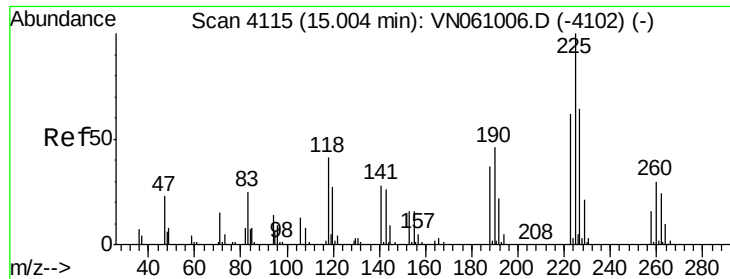
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#93
 1,2,4-Trichlorobenzene
 Concen: 45.198 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.3
145	30.4	15.3	45.8





#94

Hexachlorobutadiene

Concen: 40.844 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Instrument :

MSVOA_N

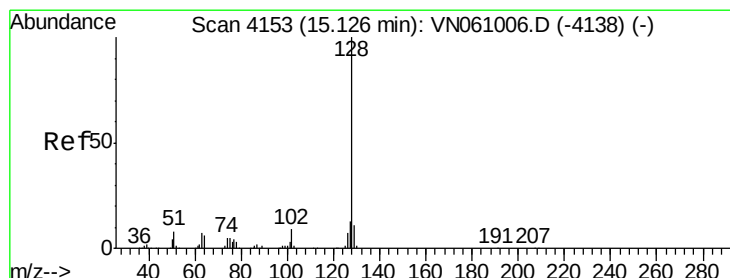
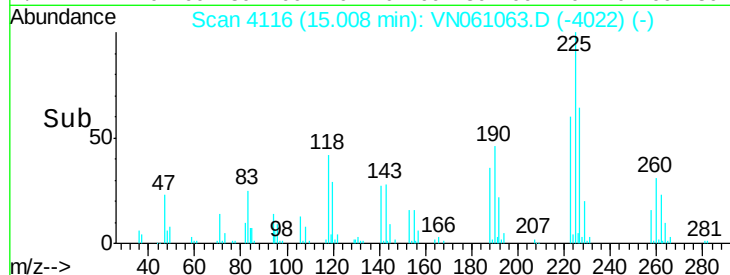
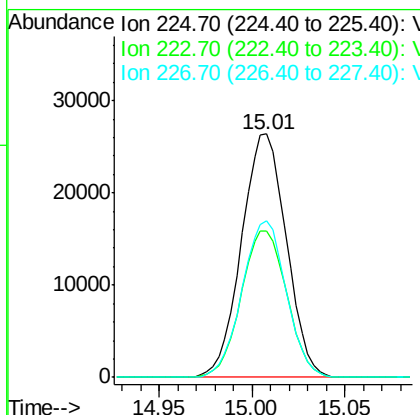
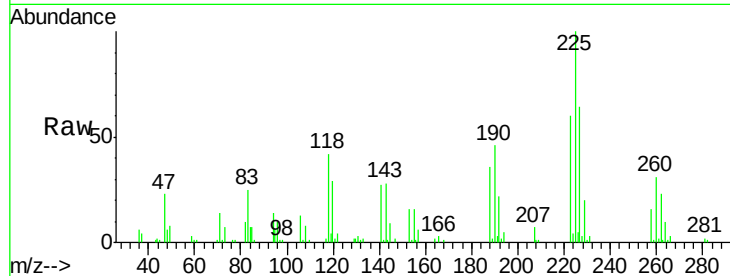
ClientSampleId :

BP-VPB180-GW-403-405MS

Tot Ion:	225	Resp:	44332
Ion Ratio	Lower	Upper	
225	100		
223	61.3	31.3	93.8
227	63.1	31.9	95.5

Manual Integrations
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4/20/2020 10:20:28 AM



#95

Naphthalene

Concen: 48.297 ug/l

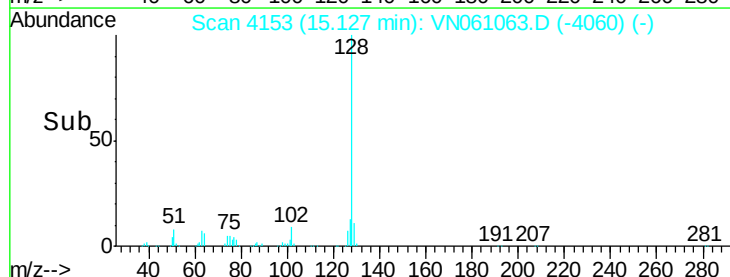
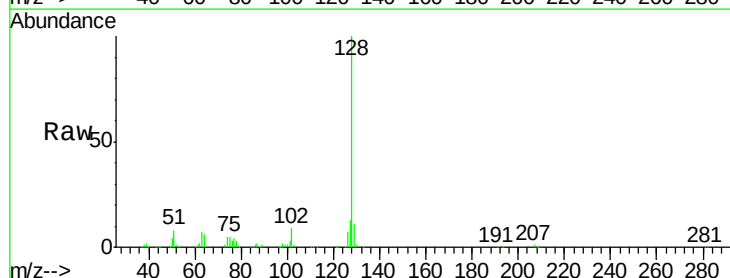
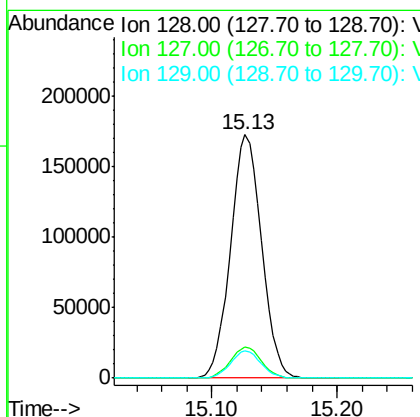
RT: 15.13 min Scan# 4153

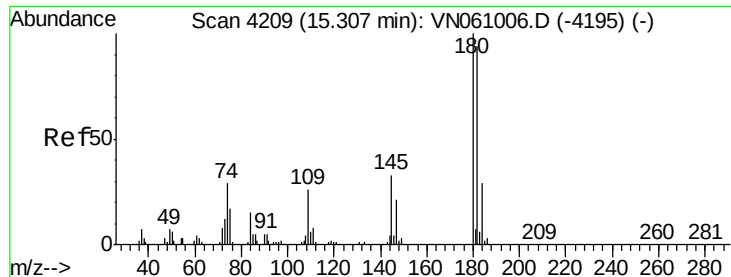
Delta R.T. 0.00 min

Lab File: VN061063.D

Acq: 17 Apr 2020 19:55

Tgt Ion:	128	Resp:	297179
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.0	8.6	13.0





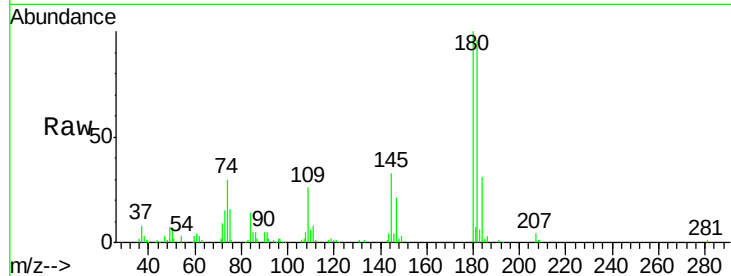
#96
 1,2,3-Trichlorobenzene
 Concen: 45.796 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN061063.D
 Acq: 17 Apr 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.6	142.8
145	32.6	16.4	49.2

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:20:28 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

