

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061064.D
 Acq On : 17 Apr 2020 20:18
 Operator : JC/MD
 Sample : L2337-06MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:21:09 AM

Quant Time: Apr 20 04:27:28 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	149673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	256002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109849	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	91632	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	7.56	113	71838	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.08	98	255469	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
62) 4-Bromofluorobenzene	12.39	95	101568	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	97473	49.277	ug/l	99
3) Chloromethane	2.04	50	135839	51.171	ug/l	99
4) Vinyl Chloride	2.17	62	112374	50.939	ug/l	99
5) Bromomethane	2.54	94	52562	47.513	ug/l	99
6) Chloroethane	2.68	64	66309	52.107	ug/l	100
7) Trichlorofluoromethane	3.00	101	139506	50.796	ug/l	99
8) Diethyl Ether	3.38	74	57696	52.856	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76713	47.609	ug/l	99
10) Methyl Iodide	3.93	142	80246	56.451	ug/l	100
11) Tert butyl alcohol	4.72	59	91093	268.105	ug/l	100
12) 1,1-Dichloroethene	3.71	96	81537	49.781	ug/l	99
13) Acrolein	3.57	56	67813	236.382	ug/l	99
14) Allyl chloride	4.29	41	147227	47.507	ug/l	98
15) Acrylonitrile	4.94	53	255596	277.450	ug/l	99
16) Acetone	3.78	43	212962	252.661	ug/l	99
17) Carbon Disulfide	4.03	76	234966	45.845	ug/l	99
18) Methyl Acetate	4.28	43	137336	51.961	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	291499	51.041	ug/l	100
20) Methylene Chloride	4.52	84	92356	50.186	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	86375	49.305	ug/l	97
22) Diisopropyl ether	5.91	45	331496	51.504	ug/l	99
23) Vinyl Acetate	5.86	43	1231076	243.912	ug/l	100
24) 1,1-Dichloroethane	5.81	63	177456	51.048	ug/l	100
25) 2-Butanone	6.80	43	349146	270.322	ug/l	100
26) 2,2-Dichloropropane	6.79	77	125577	43.386	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	99445	49.445	ug/l	100
28) Bromochloromethane	7.17	49	76598	48.003	ug/l	98
29) Tetrahydrofuran	7.18	42	242229	276.249	ug/l	99
30) Chloroform	7.35	83	165653	51.090	ug/l	99
31) Cyclohexane	7.63	56	165480	46.390	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	142317	50.744	ug/l	99
36) 1,1-Dichloropropene	7.77	75	129361	48.968	ug/l	100
37) Ethyl Acetate	6.89	43	141546	49.346	ug/l	99
38) Carbon Tetrachloride	7.75	117	113667	51.693	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	148012	46.864	ug/l	98
40) Benzene	8.02	78	388605	49.585	ug/l	100
41) Methacrylonitrile	7.15	41	69455m	58.051	ug/l	
42) 1,2-Dichloroethane	8.10	62	135873	50.894	ug/l	100
43) Isopropyl Acetate	8.14	43	235863	50.558	ug/l	99
44) Trichloroethene	8.82	130	96357	48.931	ug/l	99
45) 1,2-Dichloropropane	9.10	63	105645	49.908	ug/l	99
46) Dibromomethane	9.19	93	62913	51.548	ug/l	100
47) Bromodichloromethane	9.38	83	132230	51.286	ug/l	99
48) Methyl methacrylate	9.18	41	109800	53.258	ug/l	98
49) 1,4-Dioxane	9.17	88	30023	1048.115	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	728098	270.735	ug/l	100
52) Toluene	10.14	92	231928	49.330	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	146979	49.077	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	158395	48.473	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	90560	50.899	ug/l	96
56) Ethyl methacrylate	10.42	69	148017	52.905	ug/l	99
57) 1,3-Dichloropropane	10.70	76	161018	50.736	ug/l	99
59) 2-Hexanone	10.74	43	533588	275.117	ug/l	100
60) Dibromochloromethane	10.89	129	95159	52.065	ug/l	100
61) 1,2-Dibromoethane	10.99	107	94297	52.012	ug/l	99
64) Tetrachloroethene	10.62	164	86902	48.257	ug/l	99
65) Chlorobenzene	11.42	112	235563	48.487	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	86625	49.838	ug/l	99
67) Ethyl Benzene	11.50	91	450147	49.258	ug/l	99
68) m/p-Xylenes	11.61	106	326578	98.884	ug/l	100
69) o-Xylene	11.94	106	156071	49.150	ug/l	98
70) Stvrene	11.96	104	249851	48.874	ug/l	100
71) Bromoform	12.12	173	68087	52.480	ug/l #	99
73) Isopropylbenzene	12.24	105	422072	47.960	ug/l	100
74) N-amyl acetate	12.06	43	194385	47.498	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	135723	50.522	ug/l	100
76) 1,2,3-Trichloropropane	12.54	75	129586m	53.632	ug/l	
77) Bromobenzene	12.52	156	99984	48.660	ug/l	99
78) n-propylbenzene	12.58	91	502224	48.777	ug/l	100
79) 2-Chlorotoluene	12.67	91	292997	48.519	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	353526	48.600	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	47200	48.184	ug/l	99
82) 4-Chlorotoluene	12.77	91	303414	48.445	ug/l	99
83) tert-Butylbenzene	12.99	119	297687	48.661	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	354978	49.368	ug/l	100
85) sec-Butylbenzene	13.17	105	401259	48.409	ug/l	100
86) p-Isopropyltoluene	13.28	119	354699	48.055	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	175664	47.971	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	175275	47.578	ug/l	99
89) n-Butylbenzene	13.61	91	324520	47.280	ug/l	100
90) Hexachloroethane	13.87	117	53778	47.489	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	169454	48.485	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29133	56.034	ug/l	96
93) 1,2,4-Trichlorobenzene	14.90	180	100526	48.595	ug/l	100

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ClientSampleId :
BP-VPB180-GW-403-405MSD

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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)
94) Hexachlorobutadiene	15.00	225	45723	42.966	ug/l	99
95) Naphthalene	15.13	128	319163	52.904	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	97825	49.071	ug/l	99

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

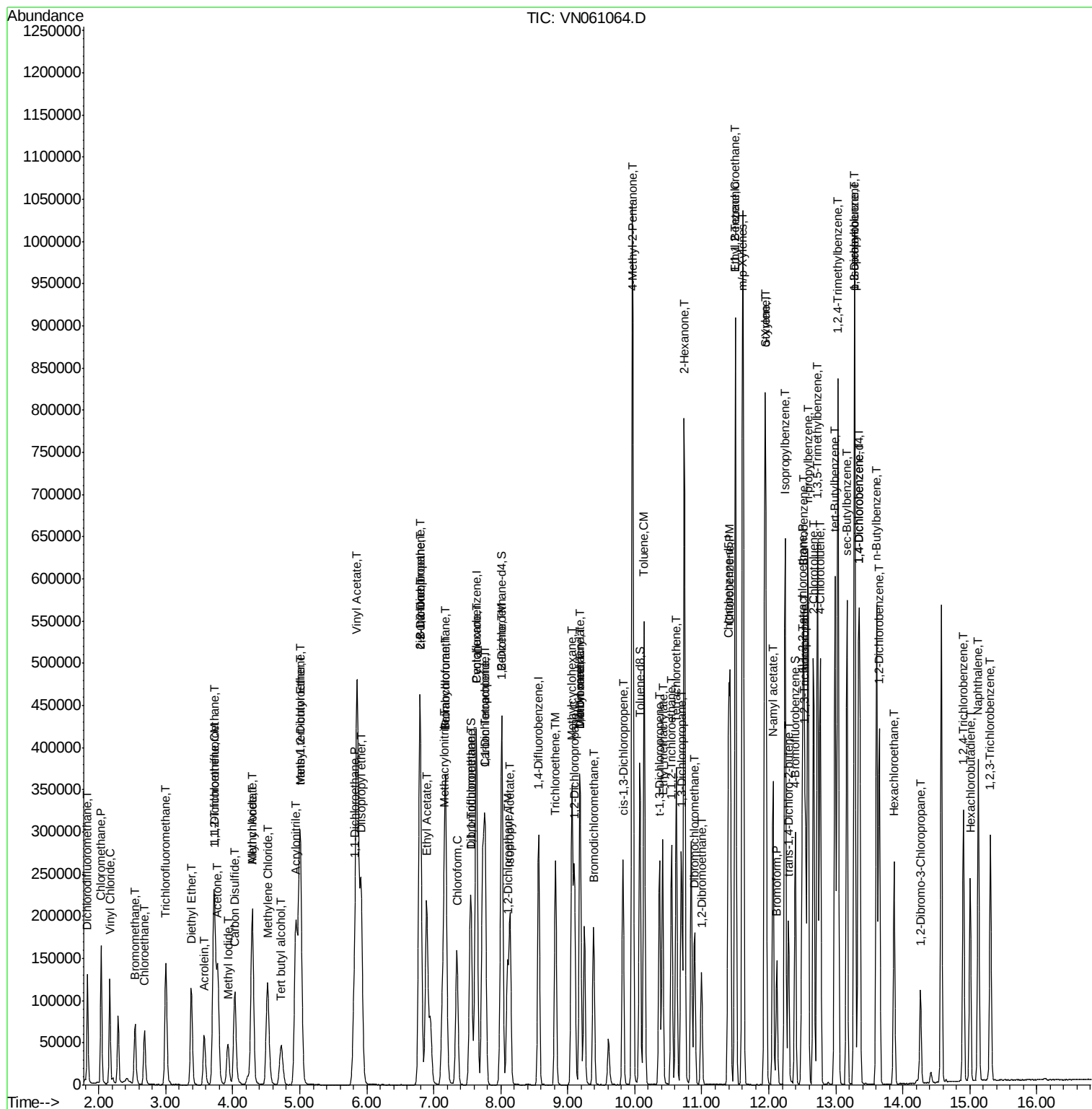
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 Data File : VN061064.D
 Acq On : 17 Apr 2020 20:18
 Operator : JC/MD
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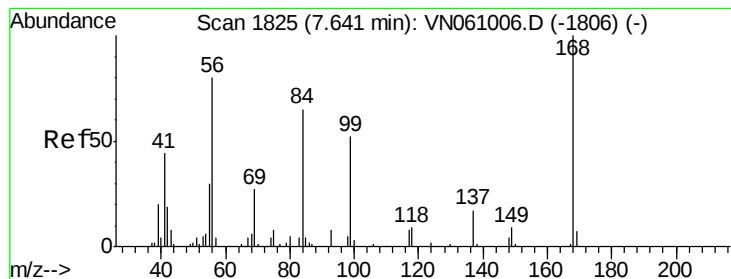
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion:168 Resp: 149673

Ion Ratio Lower Upper

168 100

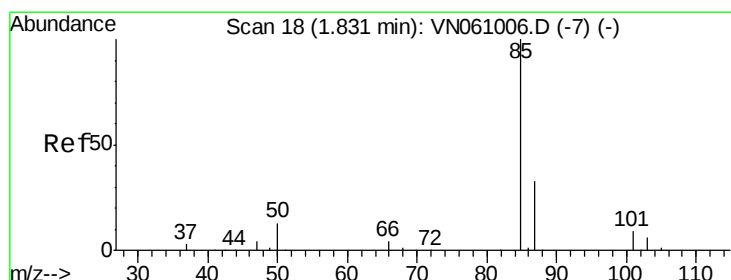
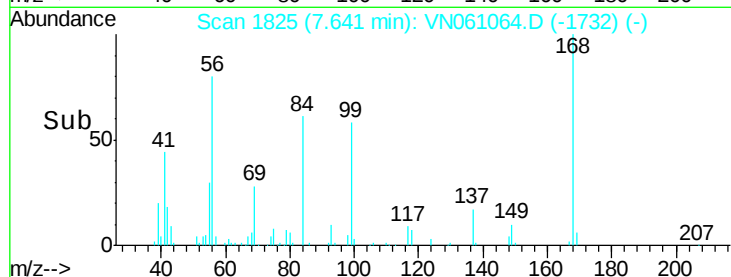
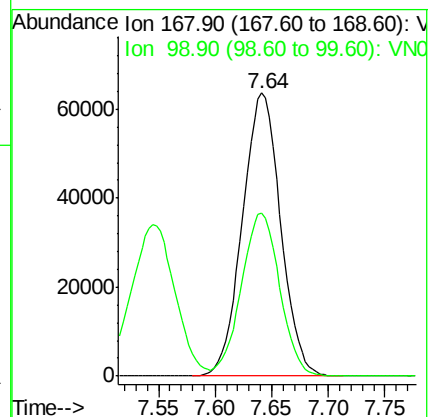
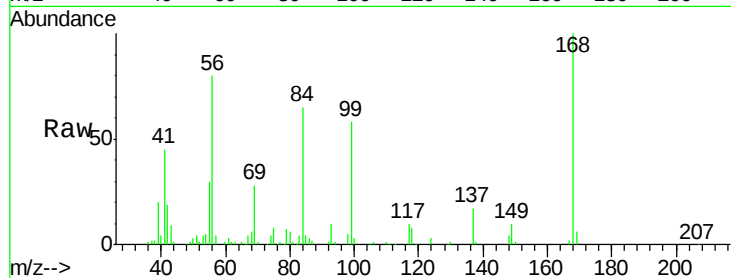
99 57.8 47.4 71.2

Manual Integrations

APPROVED

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4/20/2020 10:21:09 AM



#2

Dichlorodifluoromethane

Concen: 49.277 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061064.D

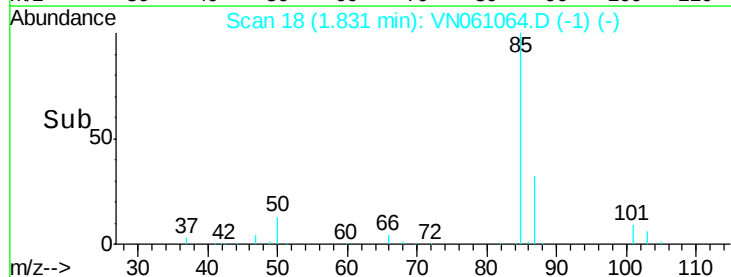
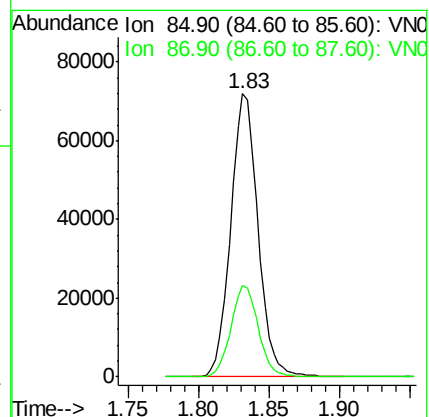
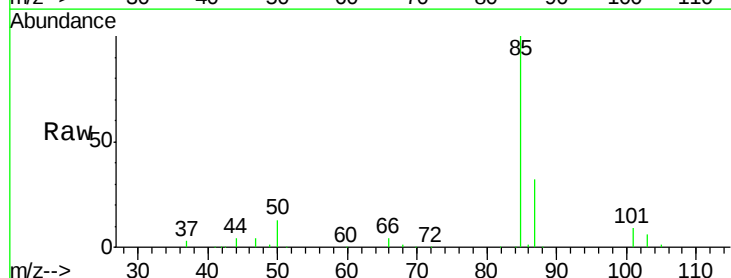
Acq: 17 Apr 2020 20:18

Tgt Ion: 85 Resp: 97473

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9





#3

Chloromethane

Concen: 51.171 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion: 50 Resp: 135839

Ion Ratio Lower Upper

50 100

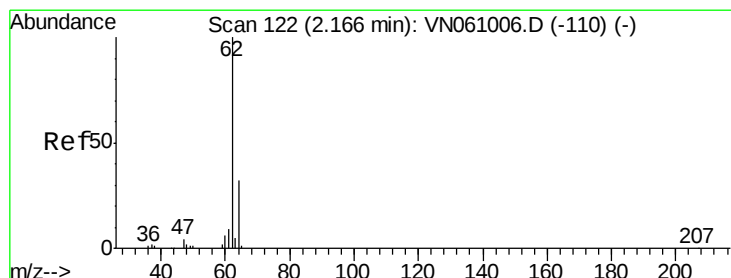
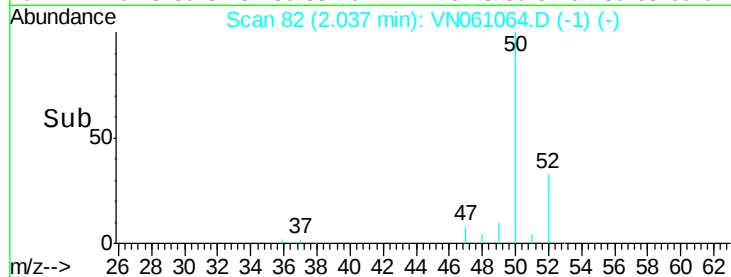
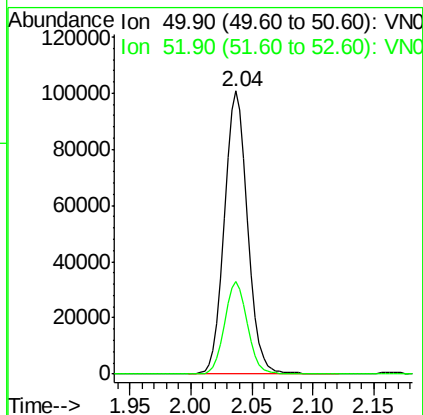
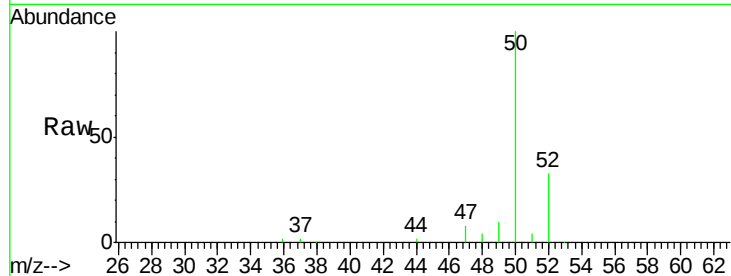
52 32.6 25.6 38.4

Manual Integrations

APPROVED

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4/20/2020 10:21:09 AM



#4

Vinyl Chloride

Concen: 50.939 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061064.D

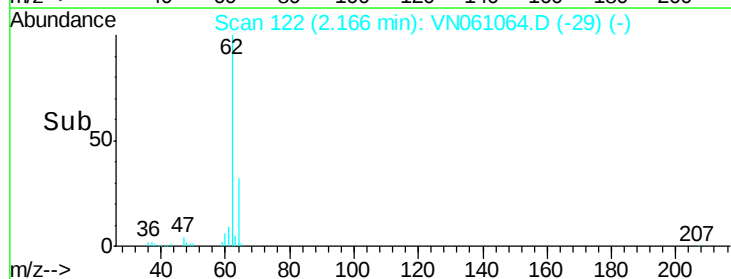
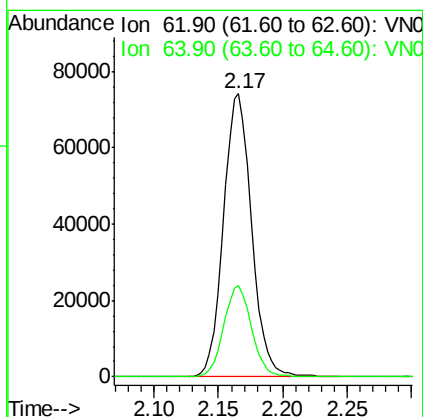
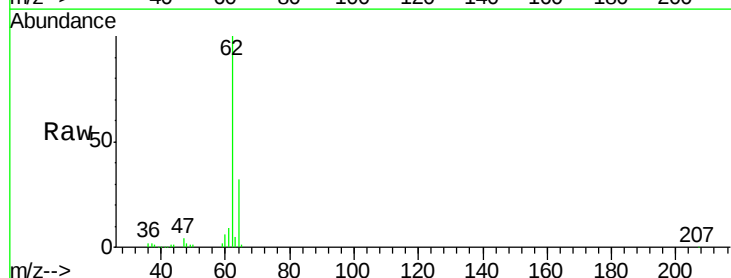
Acq: 17 Apr 2020 20:18

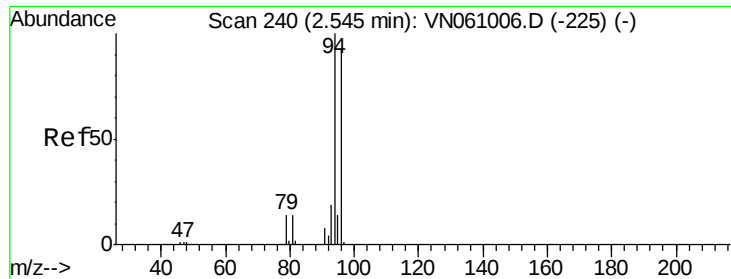
Tgt Ion: 62 Resp: 112374

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 47.513 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

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Tot Ion: 94 Resp: 52562

Ion Ratio Lower Upper

94 100

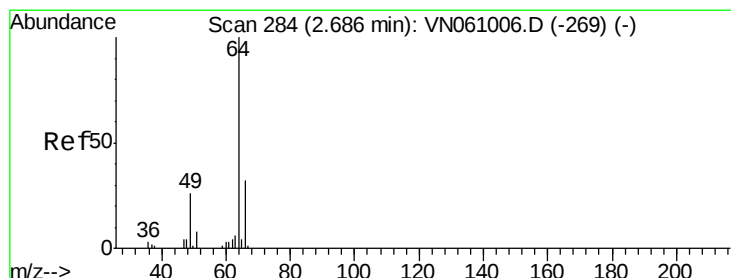
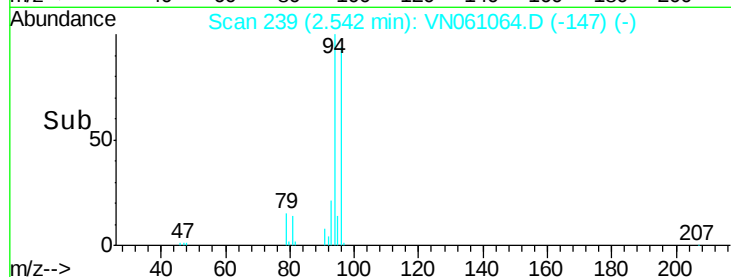
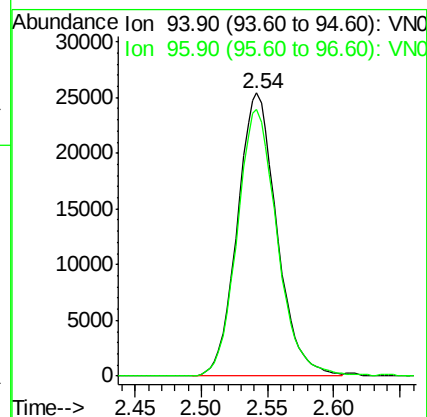
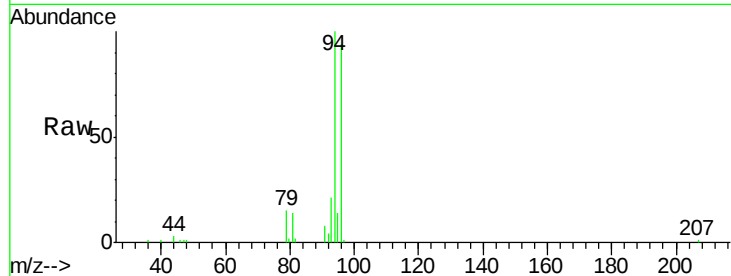
96 94.0 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 52.107 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061064.D

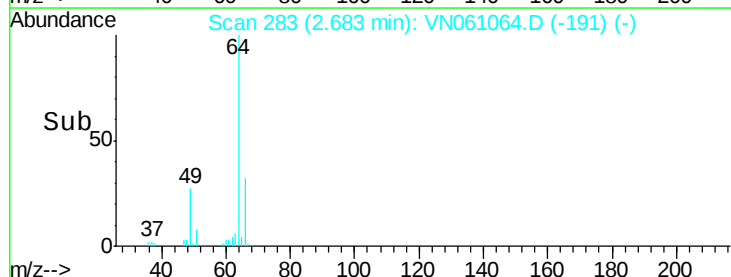
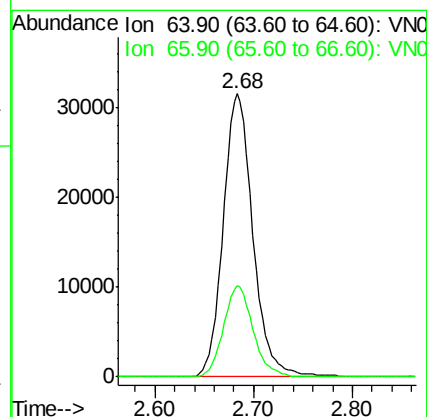
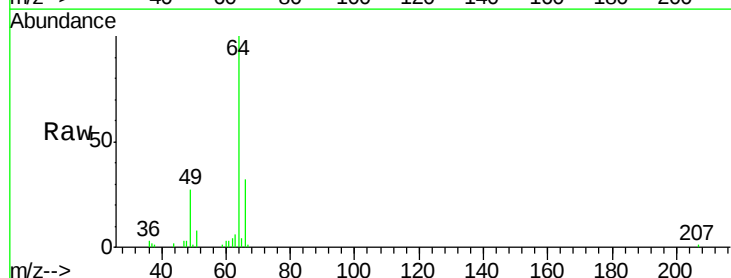
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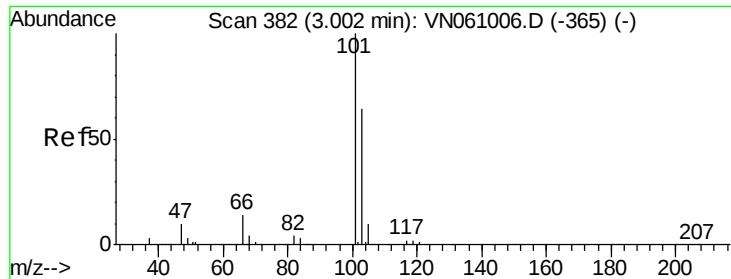
Tgt Ion: 64 Resp: 66309

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8





#7

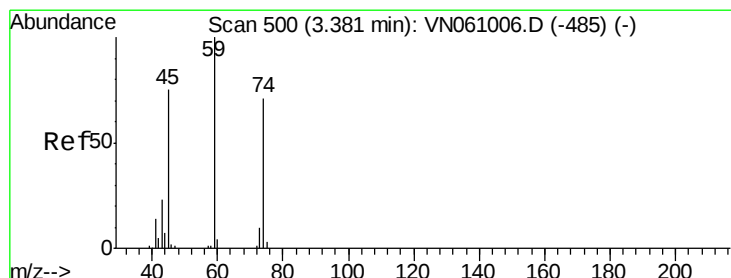
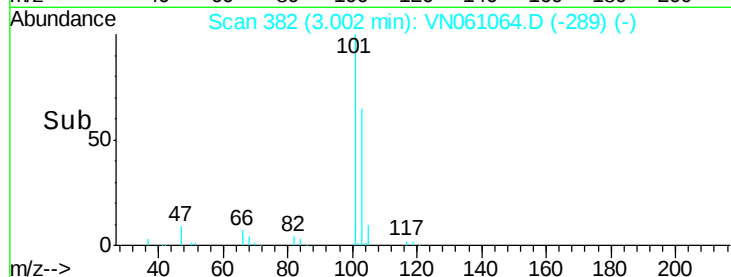
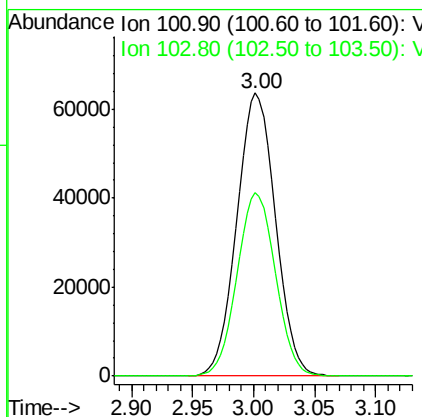
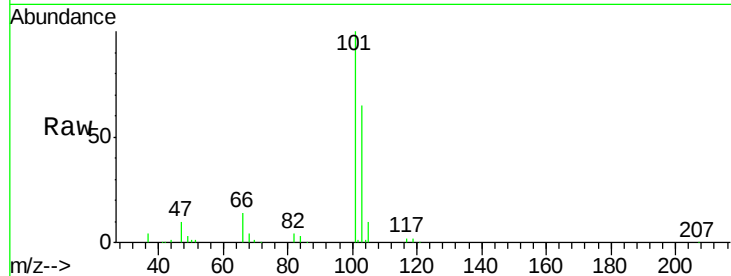
Trichlorofluoromethane
 Concen: 50.796 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.2

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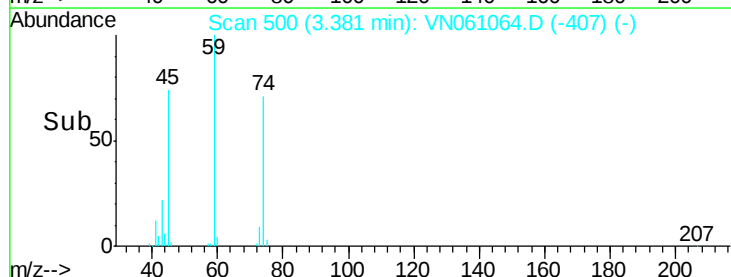
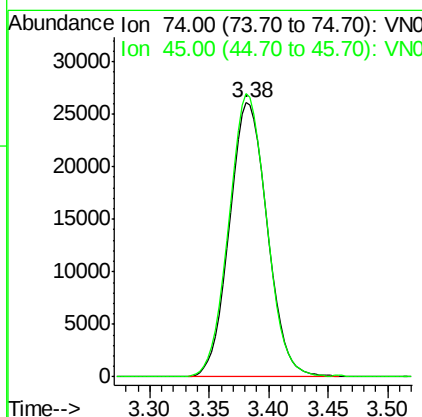
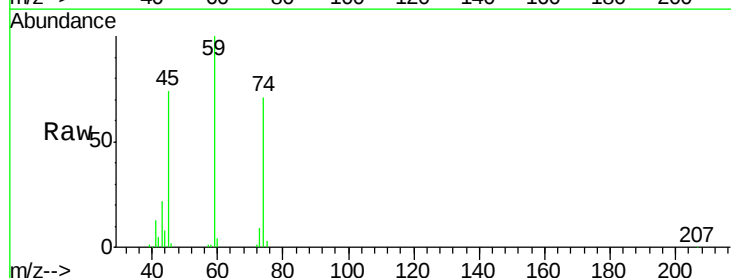
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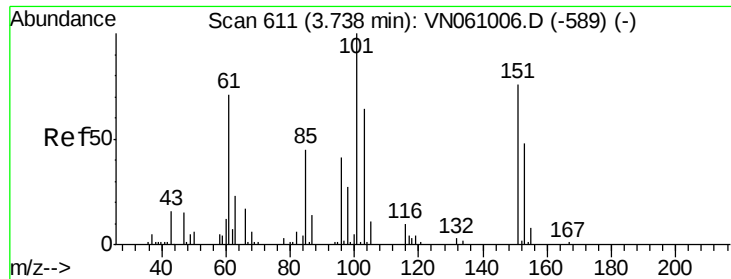


#8

Diethyl Ether
 Concen: 52.856 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.609 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

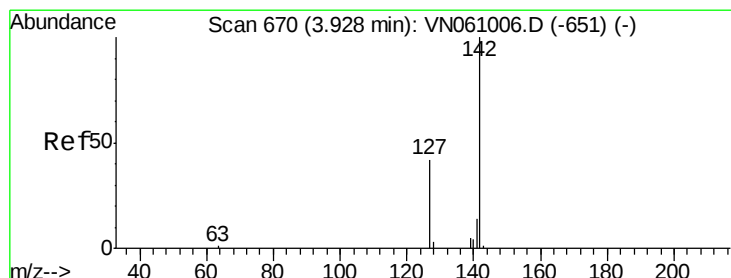
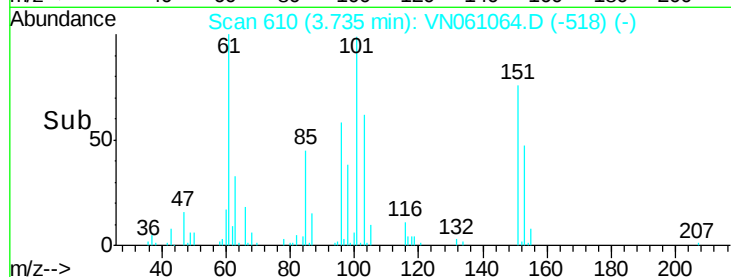
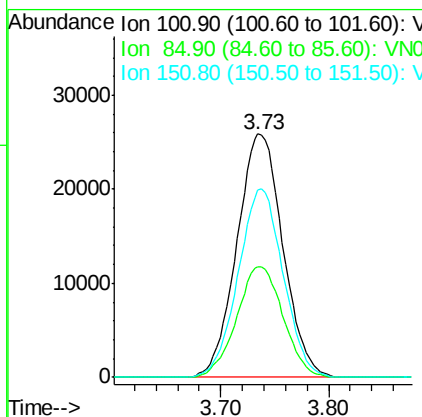
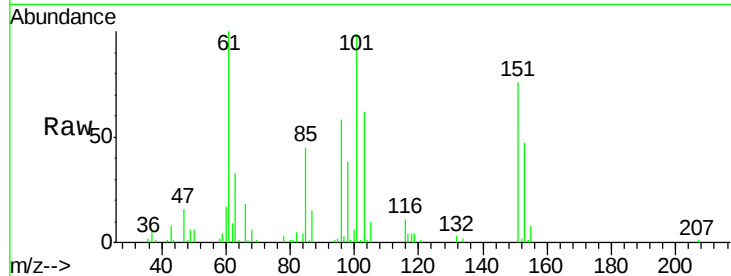
ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion:	101	Resp:	76713
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.9	53.9
151	75.8	60.8	91.2

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#10

Methyl Iodide

Concen: 56.451 ug/l

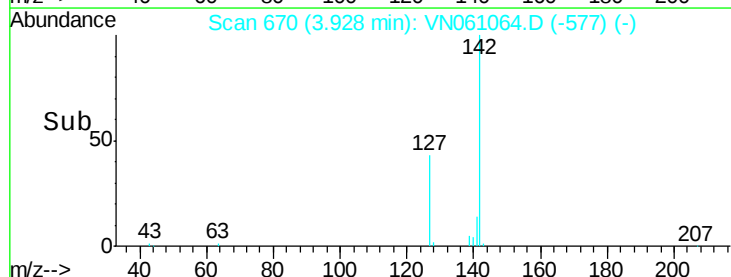
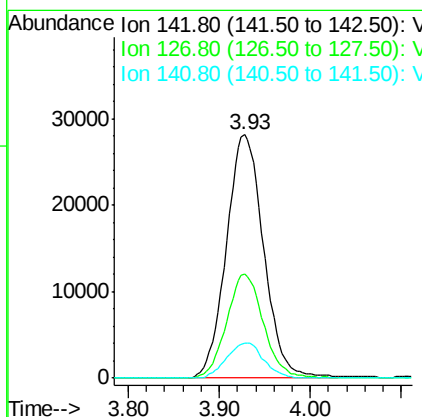
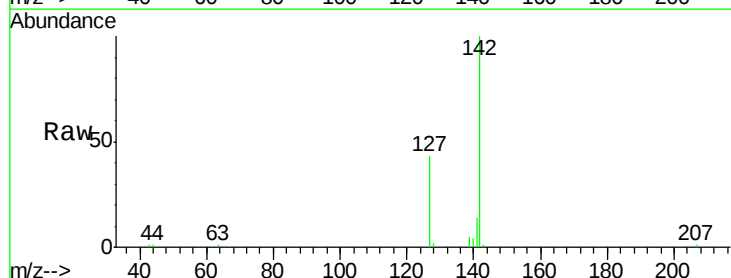
RT: 3.93 min Scan# 670

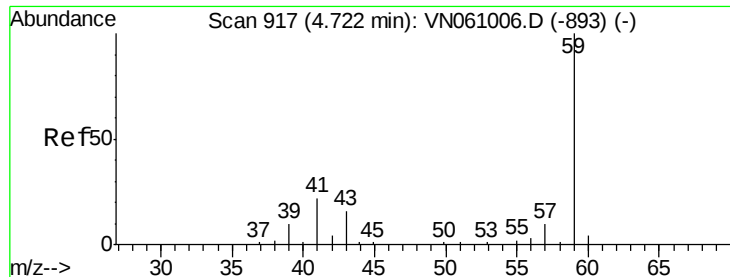
Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Tgt Ion:	142	Resp:	80246
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.4	50.2
141	14.2	11.0	16.6





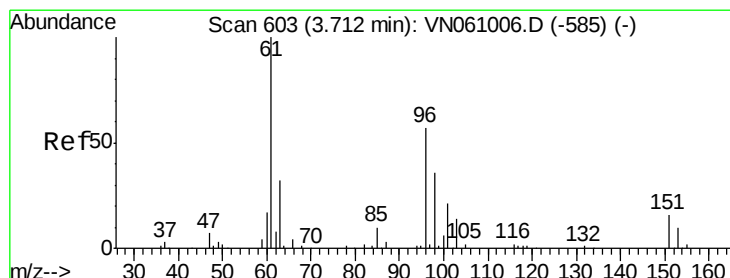
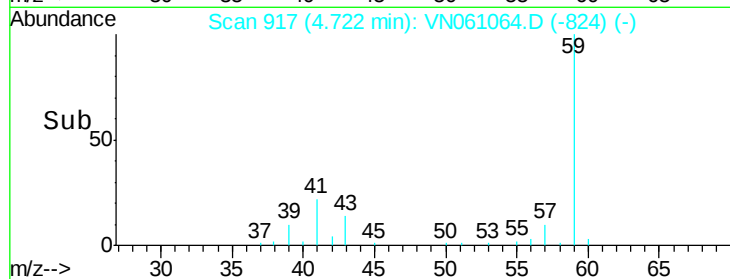
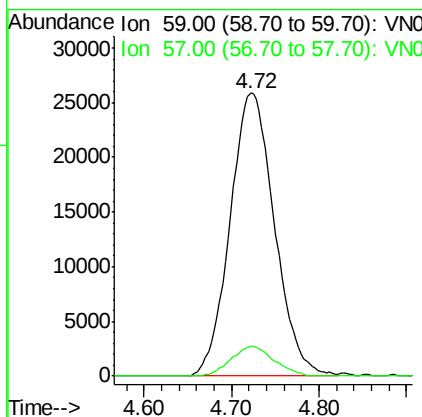
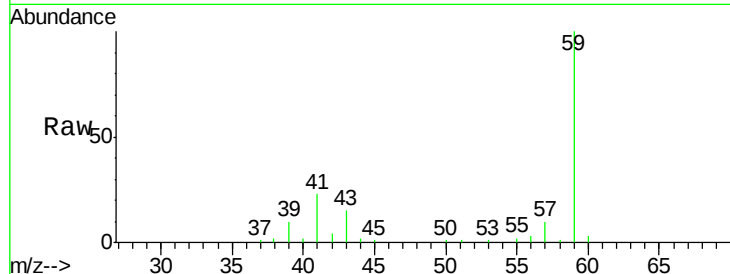
#11
Tert butyl alcohol
Concen: 268.105 ug/l
RT: 4.72 min Scan# 917
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion: 59 Resp: 91093
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1

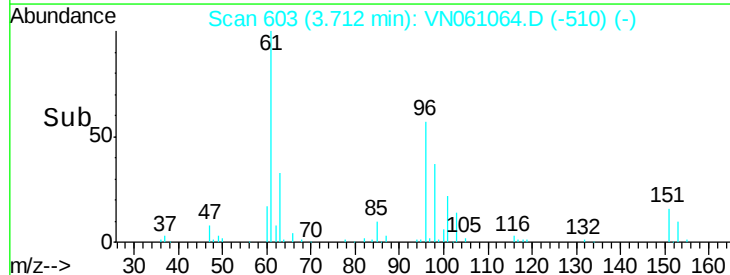
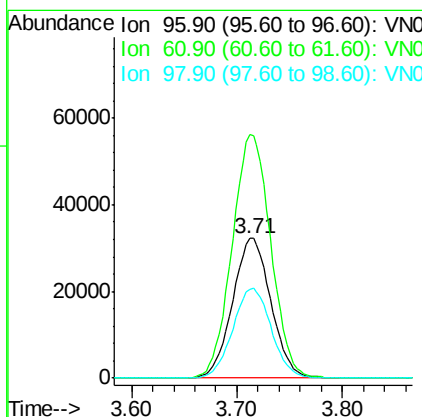
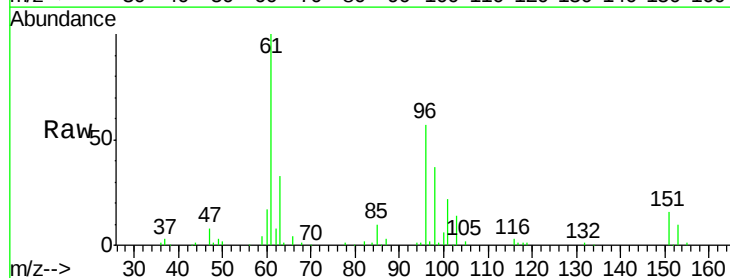
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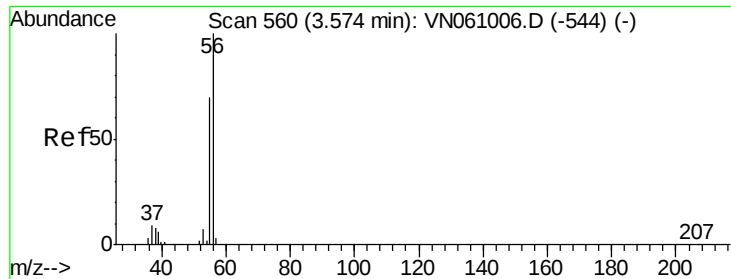
MMDadoda
4/20/2020 10:21:09 AM



#12
1,1-Dichloroethene
Concen: 49.781 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion: 96 Resp: 81537
Ion Ratio Lower Upper
96 100
61 174.3 139.2 208.8
98 63.8 50.0 75.0





#13

Acrolein

Concen: 236.382 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion: 56 Resp: 67813

Ion Ratio Lower Upper

56 100

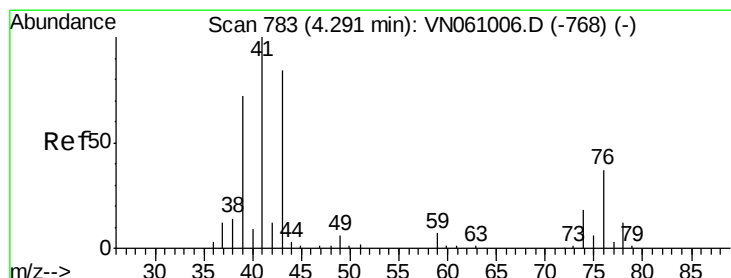
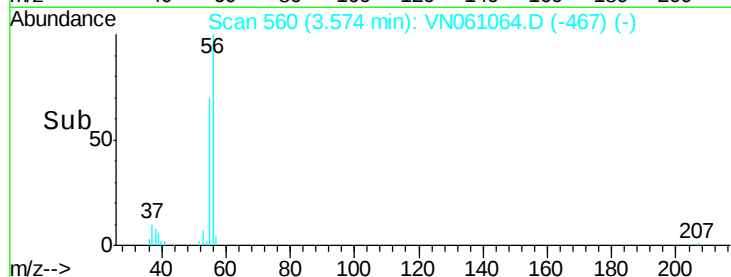
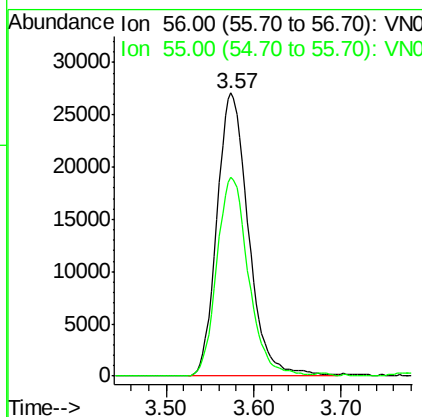
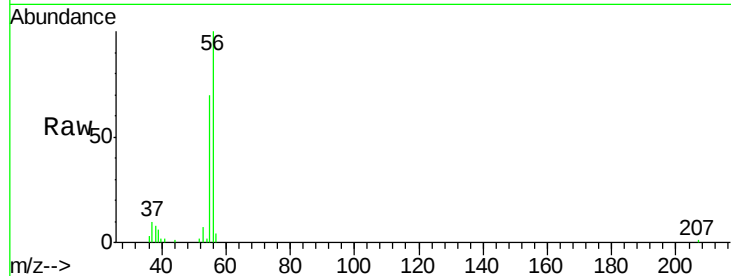
55 70.6 57.0 85.6

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#14

Allyl chloride

Concen: 47.507 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

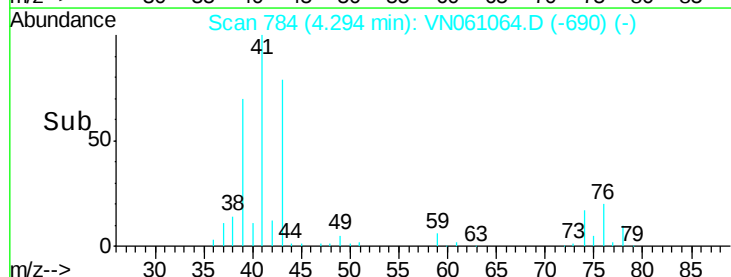
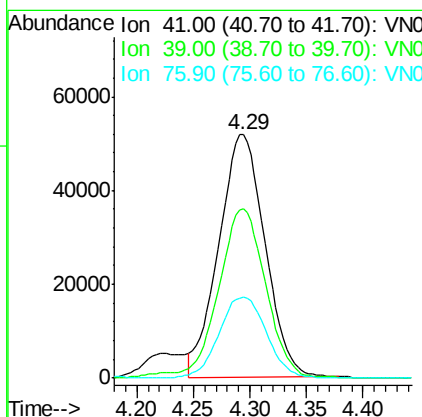
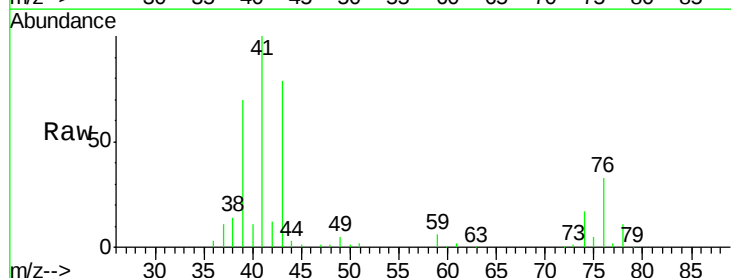
Tgt Ion: 41 Resp: 147227

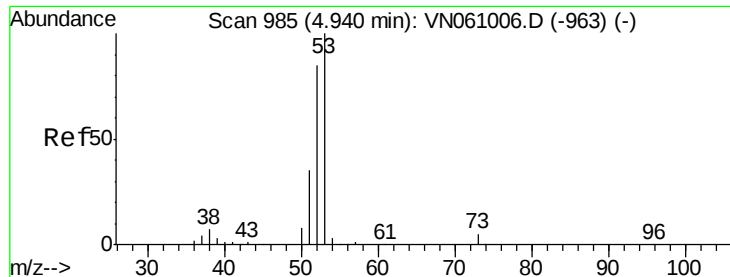
Ion Ratio Lower Upper

41 100

39 72.1 56.3 84.5

76 34.3 27.7 41.5





#15

Acrylonitrile

Concen: 277.450 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

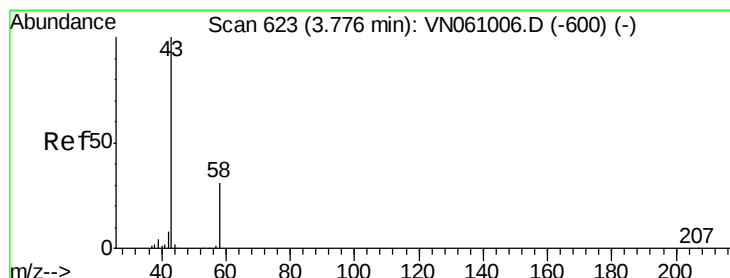
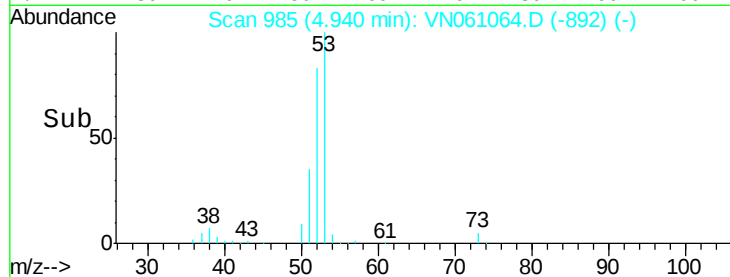
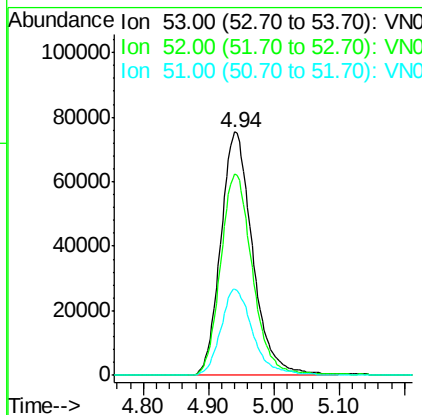
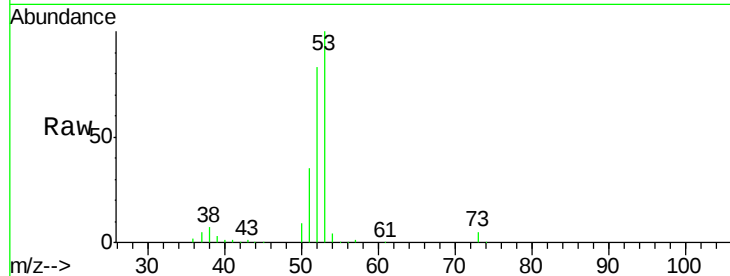
ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion:	53	Resp:	255596
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.8	100.2
51	35.6	28.9	43.3

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#16

Acetone

Concen: 252.661 ug/l

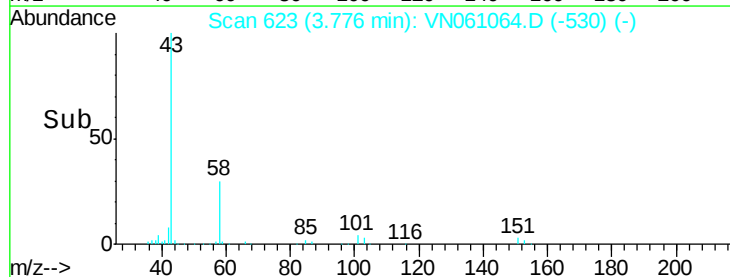
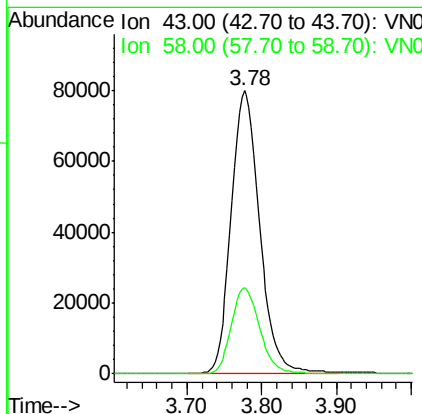
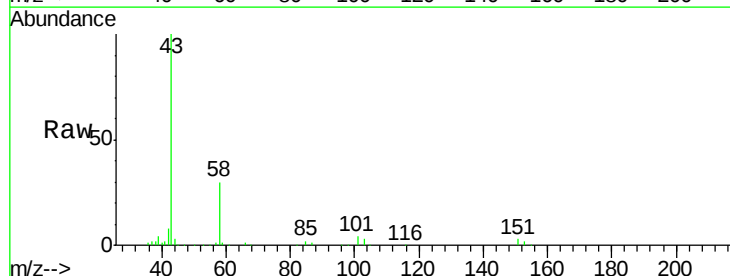
RT: 3.78 min Scan# 623

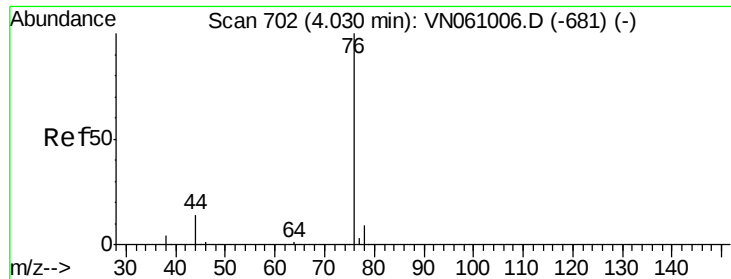
Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Tgt Ion:	43	Resp:	212962
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.6	37.0





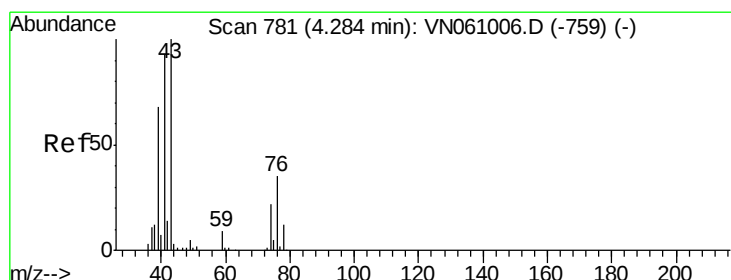
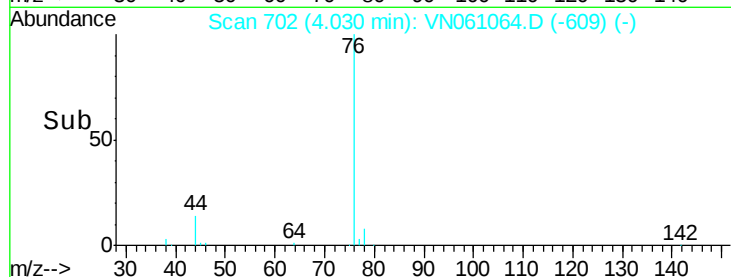
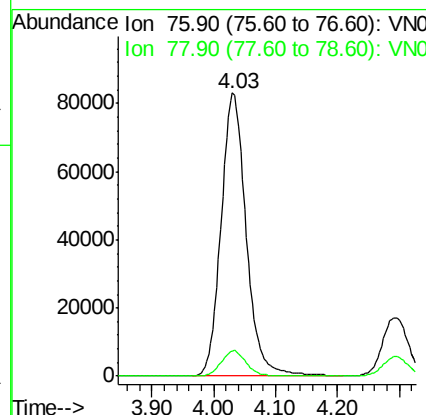
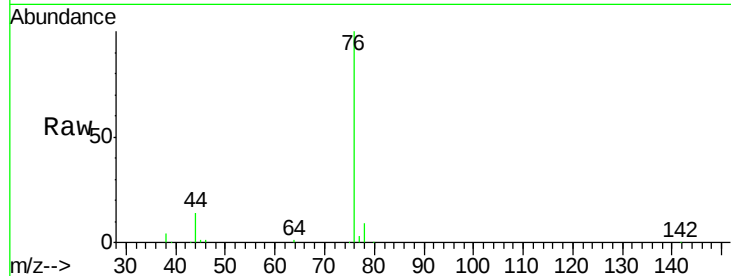
#17
Carbon Disulfide
Concen: 45.845 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

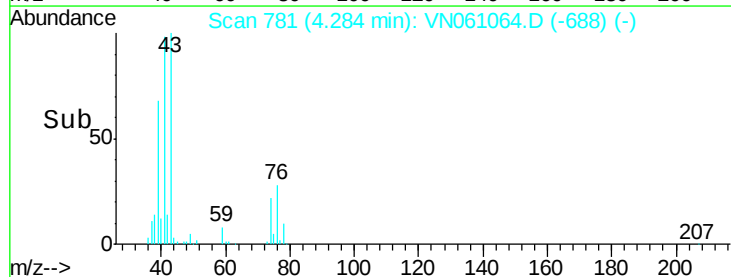
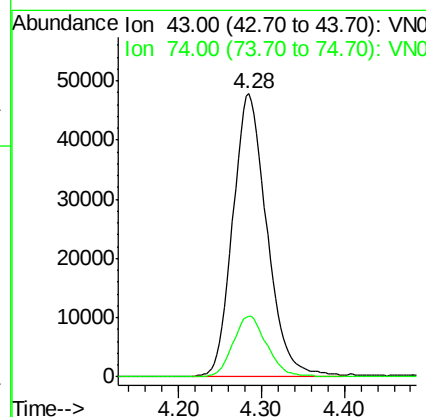
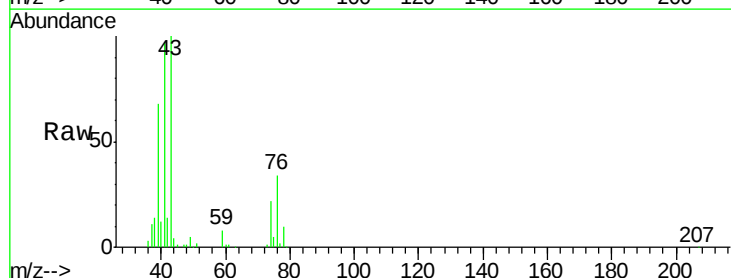
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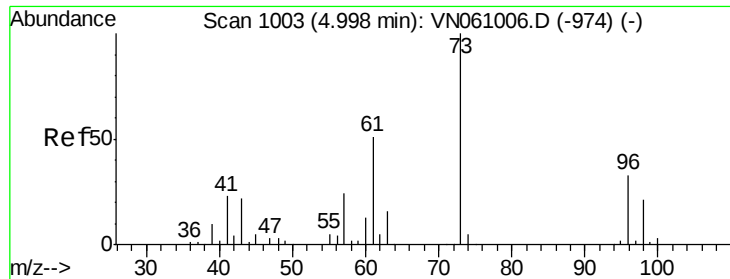
MMDadoda
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#18
Methyl Acetate
Concen: 51.961 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.4	26.0





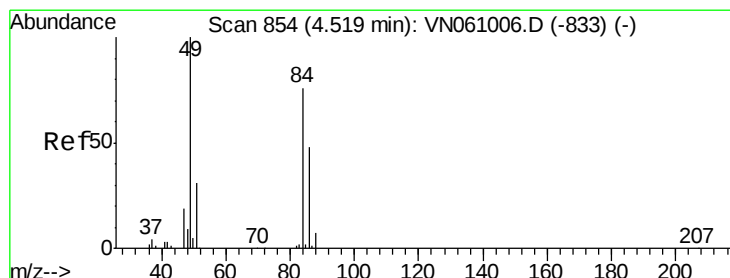
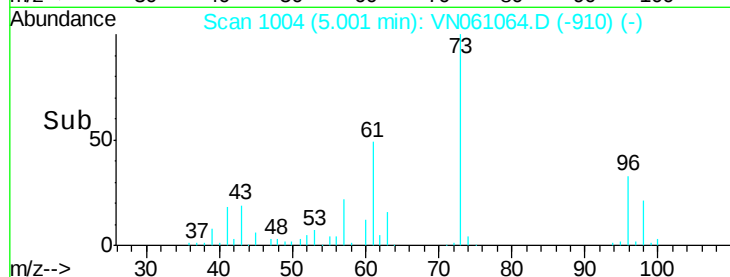
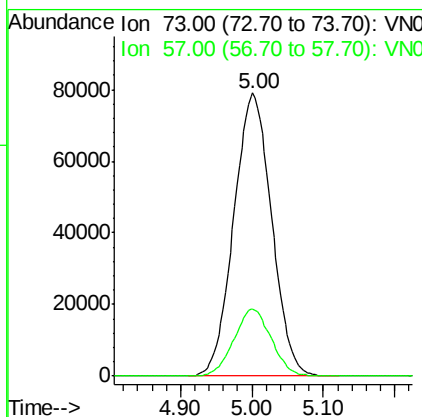
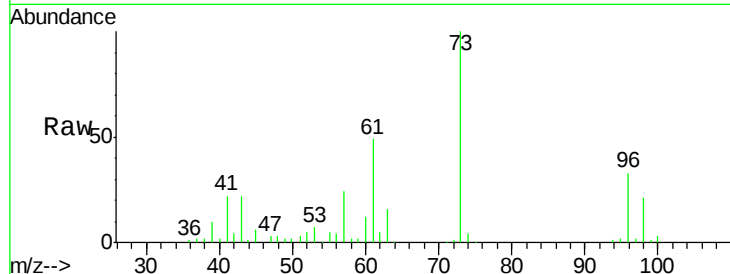
#19
Methvl tert-butvl Ether
Concen: 51.041 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion: 73 Resp: 291499
Ion Ratio Lower Upper
73 100
57 23.6 19.0 28.4

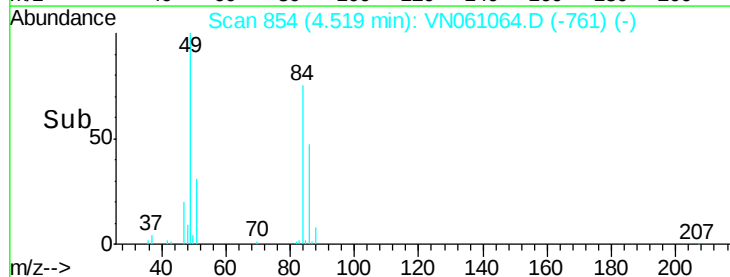
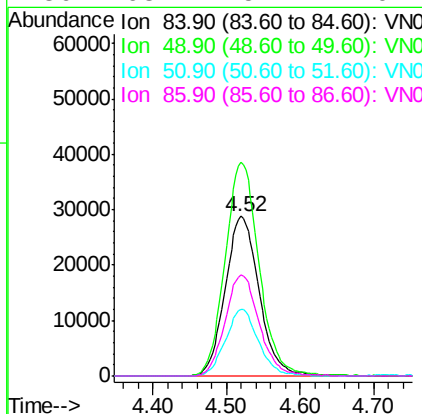
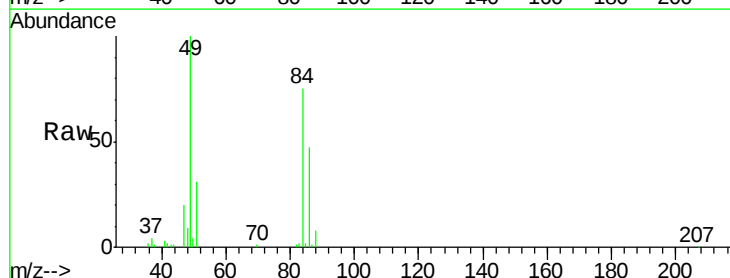
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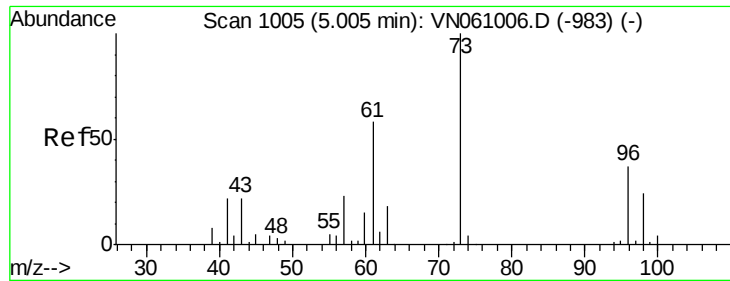
MMDadoda
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#20
Methylene Chloride
Concen: 50.186 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion: 84 Resp: 92356
Ion Ratio Lower Upper
84 100
49 133.8 105.8 158.6
51 42.1 32.4 48.6
86 63.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.305 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

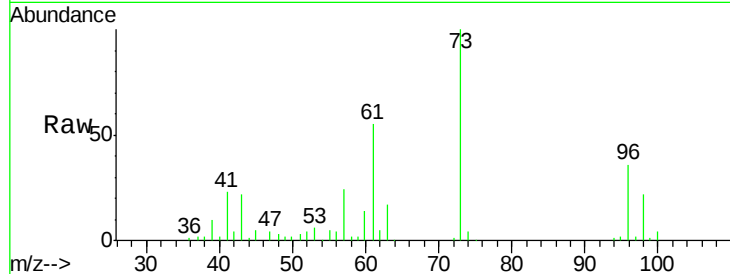
ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion:	96	Resp:	86375
Ion	Ratio	Lower	Upper
96	100		
61	152.2	124.8	187.2
98	61.4	51.3	76.9

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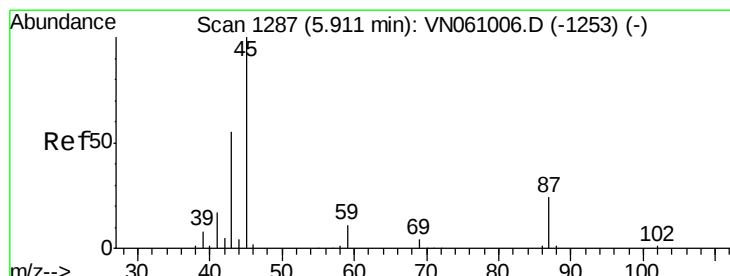
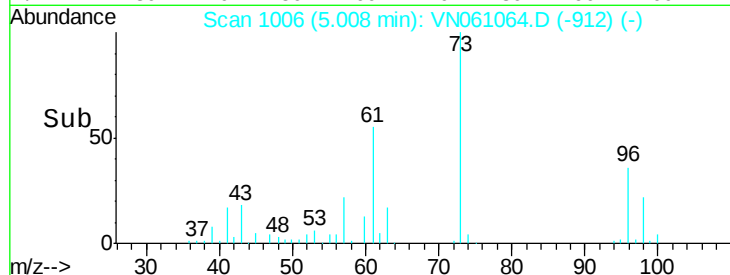
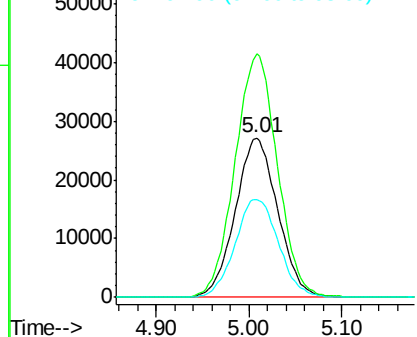


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.504 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Tgt Ion:	45	Resp:	331496
Ion	Ratio	Lower	Upper
45	100		
43	61.2	48.6	72.8
87	24.5	19.4	29.2
59	11.1	8.6	12.8

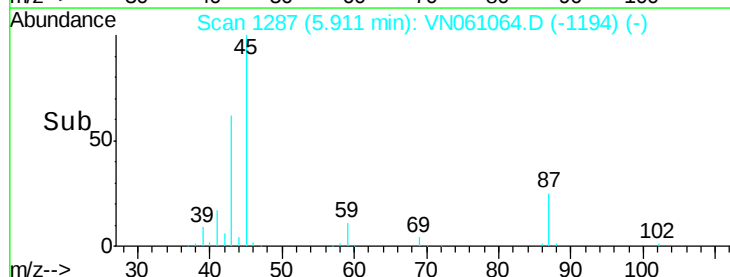
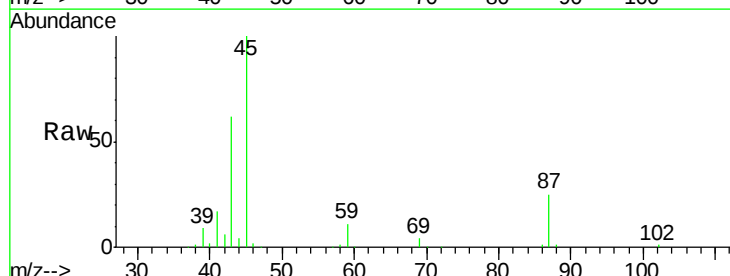
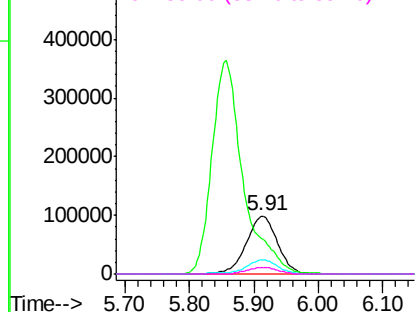
Abundance

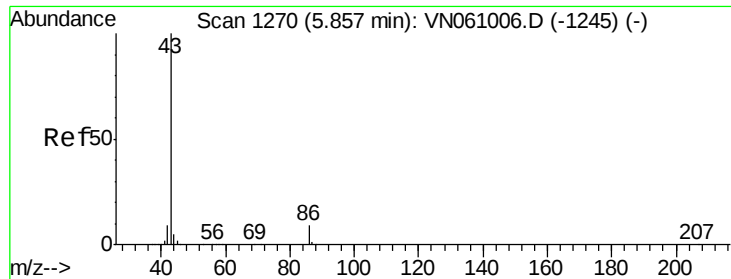
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 243.912 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion: 43 Resp: 1231076

Ion Ratio Lower Upper

43 100

86 9.1

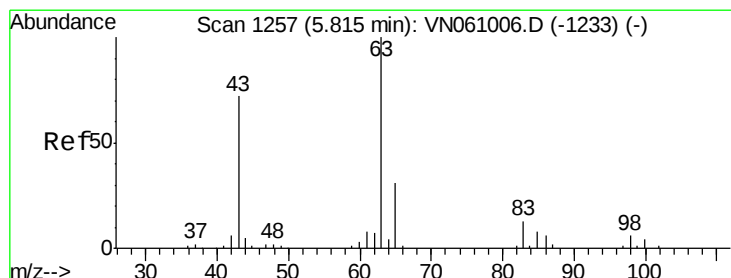
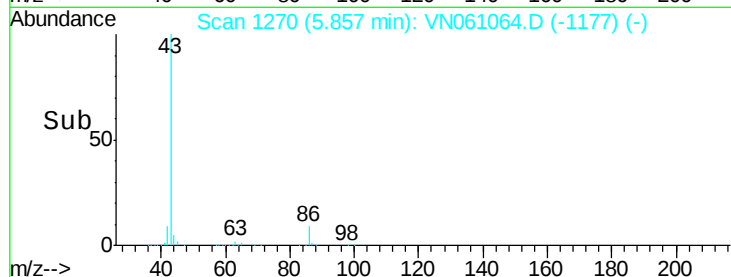
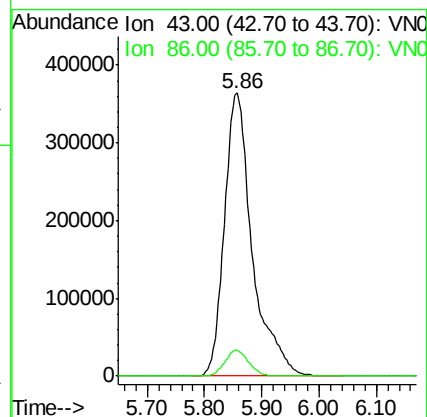
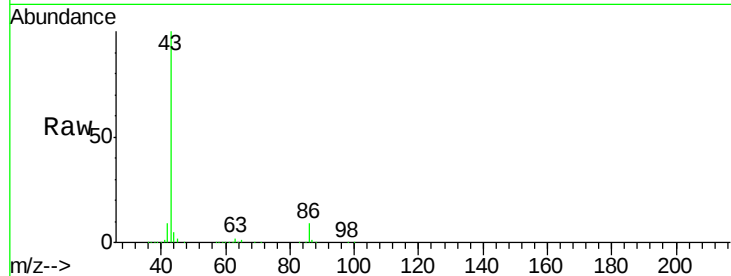
7.3 10.9

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#24

1,1-Dichloroethane

Concen: 51.048 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Tgt Ion: 63 Resp: 177456

Ion Ratio Lower Upper

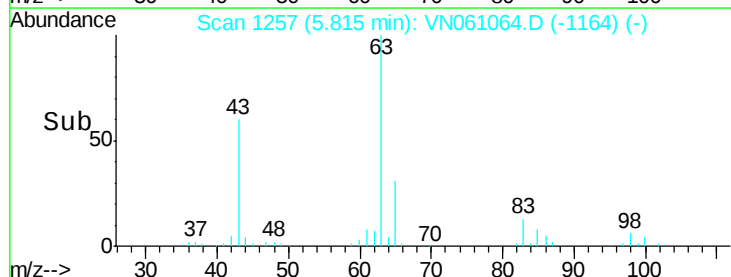
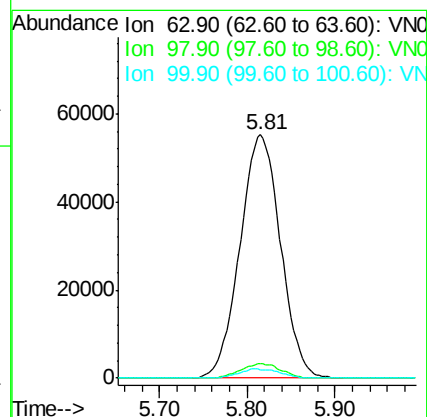
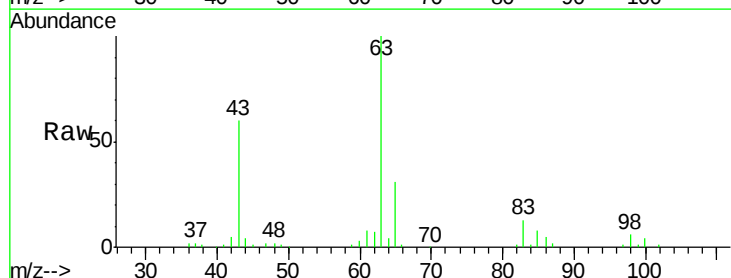
63 100

98 5.9

2.9 8.8

100 3.6

2.0 5.8





#25

2-Butanone

Concen: 270.322 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion: 43 Resp: 349146

Ion Ratio Lower Upper

43 100

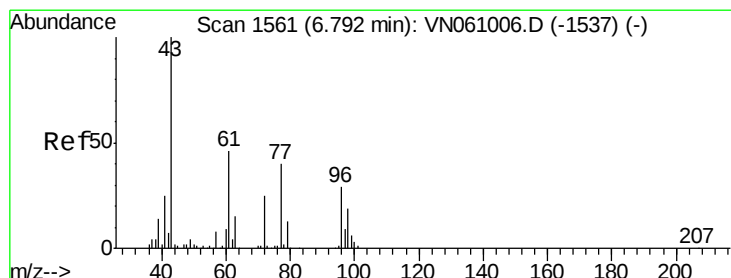
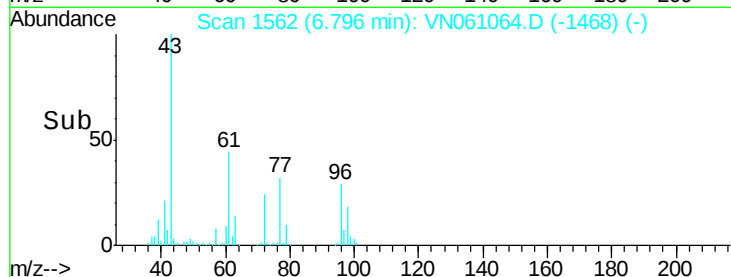
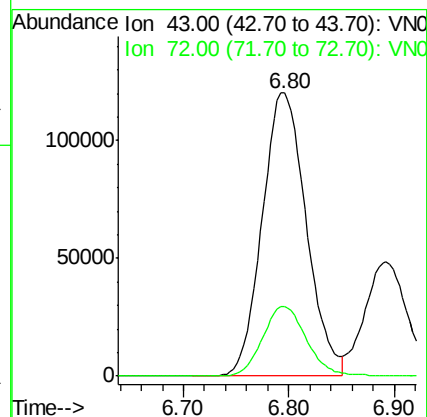
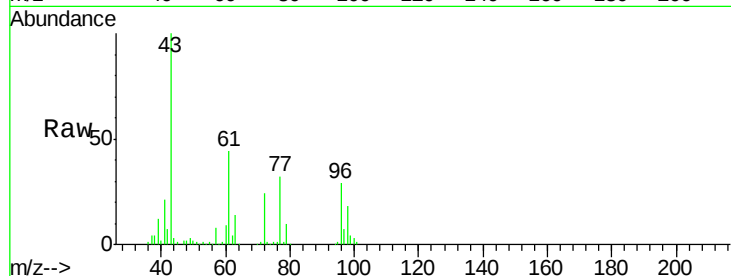
72 24.5 19.6 29.4

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4/20/2020 10:21:09 AM



#26

2,2-Dichloropropane

Concen: 43.386 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061064.D

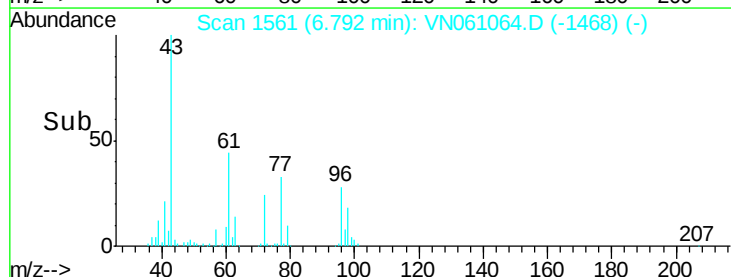
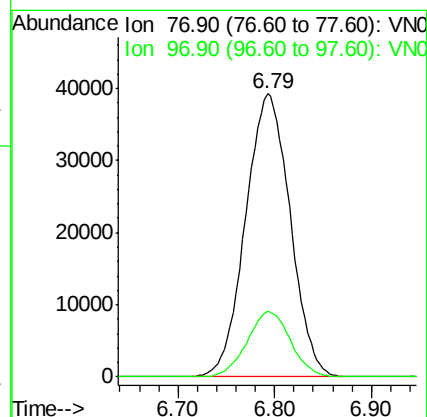
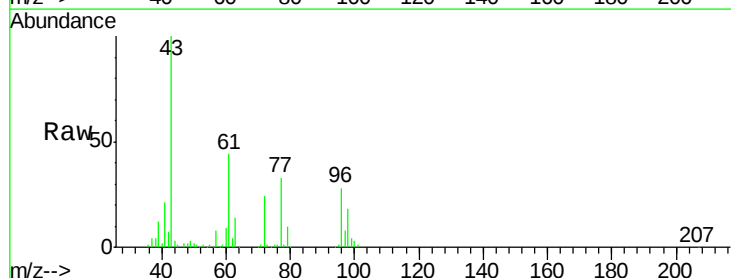
Acq: 17 Apr 2020 20:18

Tgt Ion: 77 Resp: 125577

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.445 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

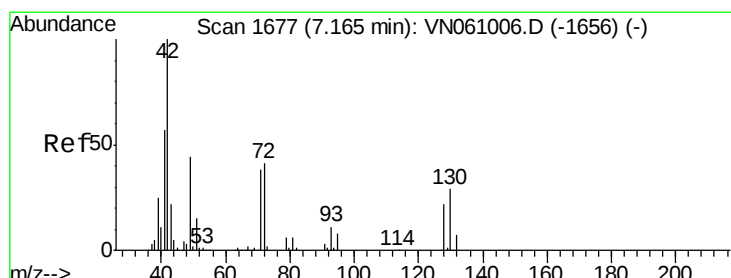
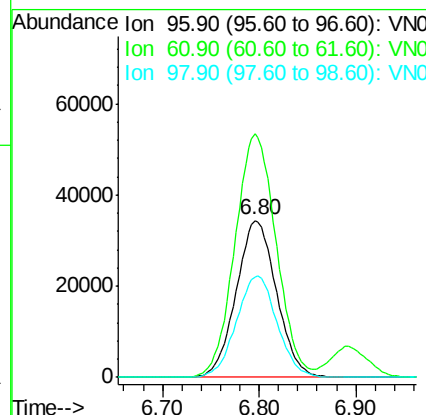
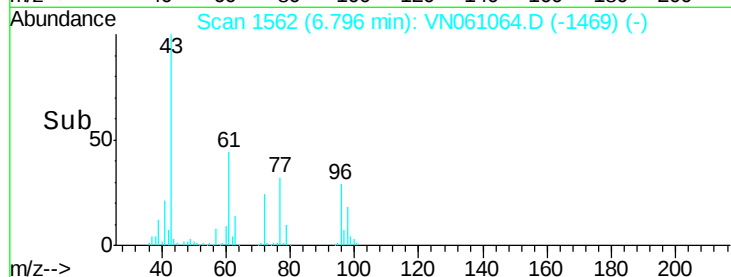
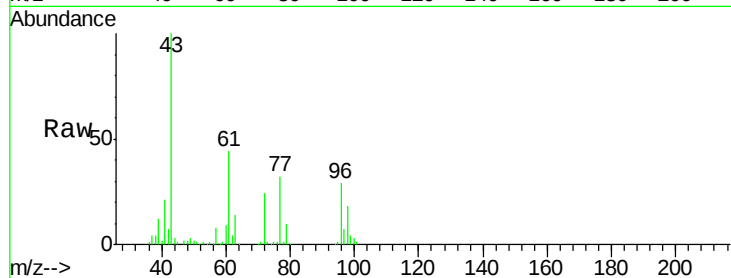
ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion:	96	Resp:	99445
Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	317.4
98	65.1	0.0	127.8

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#28

Bromochloromethane

Concen: 48.003 ug/l

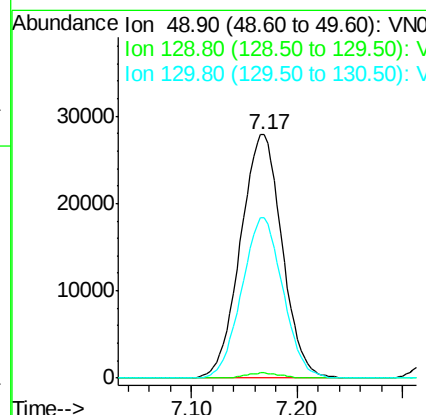
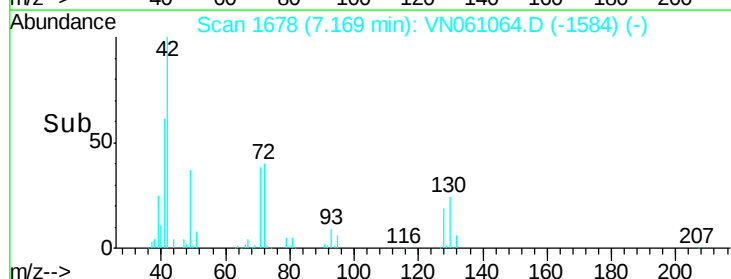
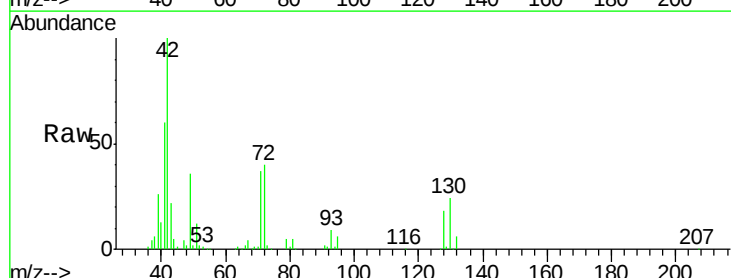
RT: 7.17 min Scan# 1678

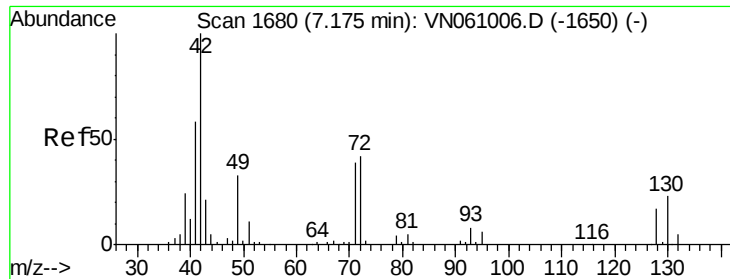
Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Tgt Ion:	49	Resp:	76598
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	64.9	52.9	79.3





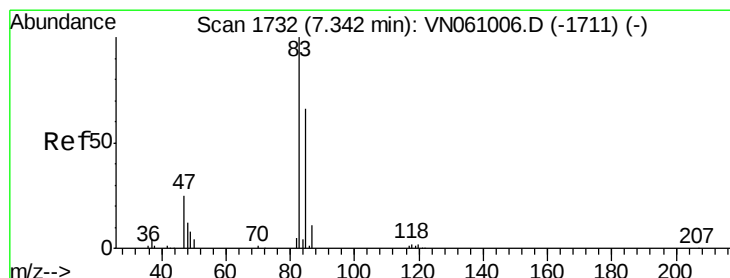
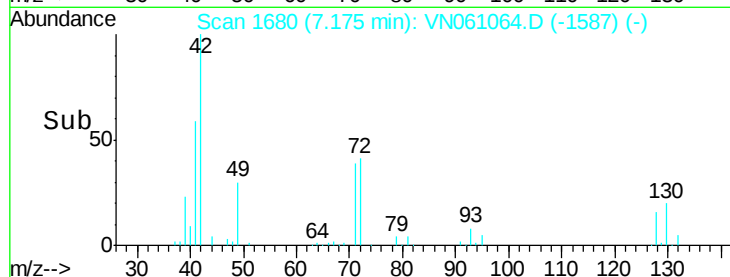
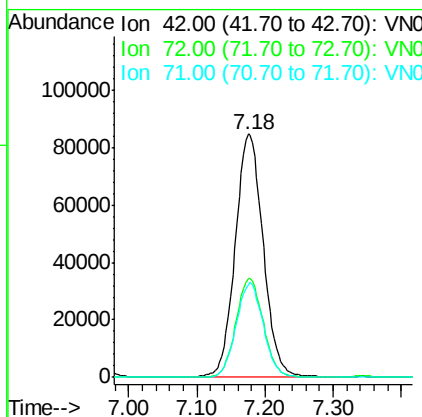
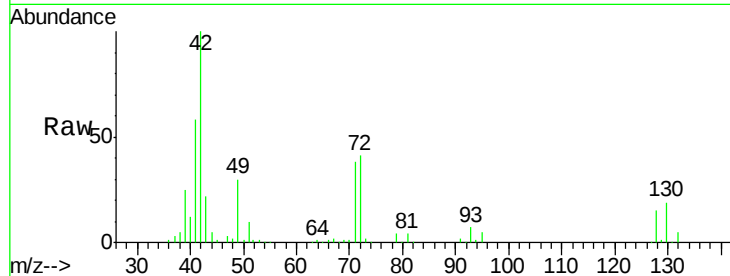
#29
Tetrahydrofuran
Concen: 276.249 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.1	48.1
71	37.5	30.5	45.7

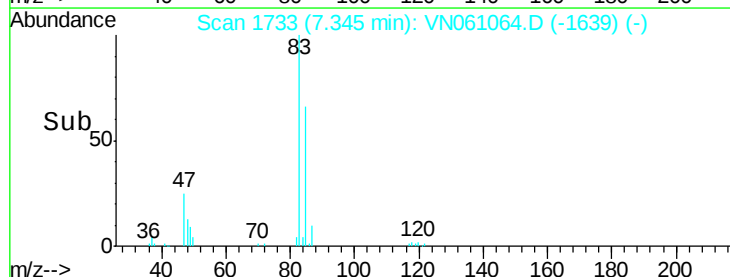
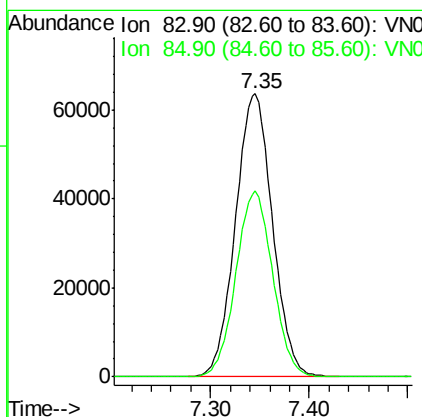
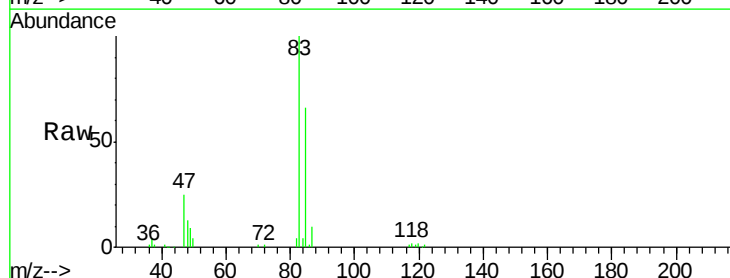
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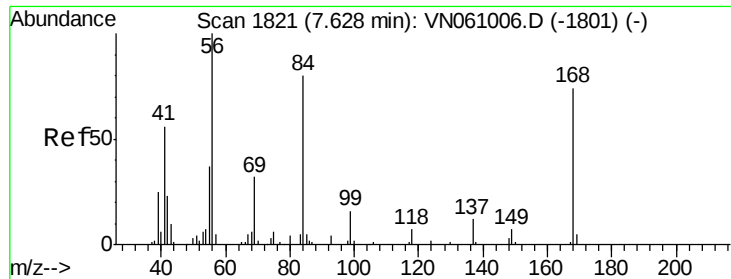
MMDadoda
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#30
Chloroform
Concen: 51.090 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.8	79.2





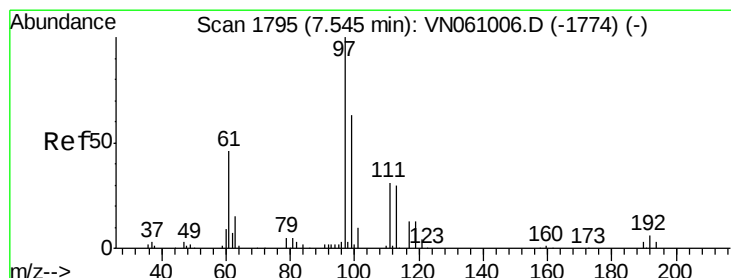
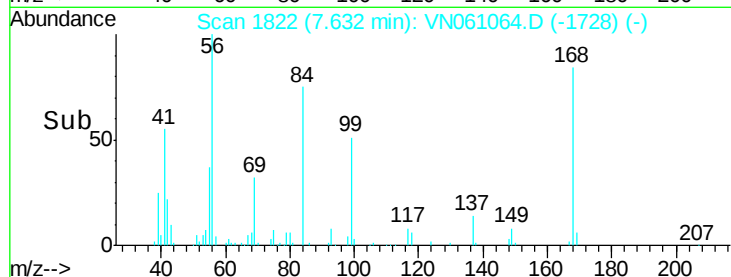
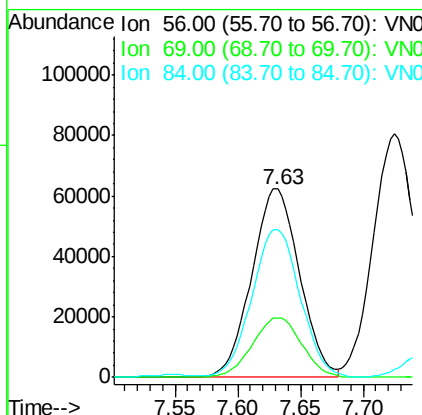
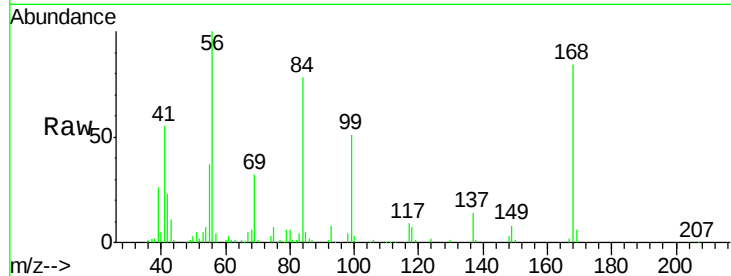
#31
Cyclohexane
Concen: 46.390 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Resp	Lower	Upper
56	100	165480		
69	31.8		25.6	38.4
84	77.2		63.4	95.2

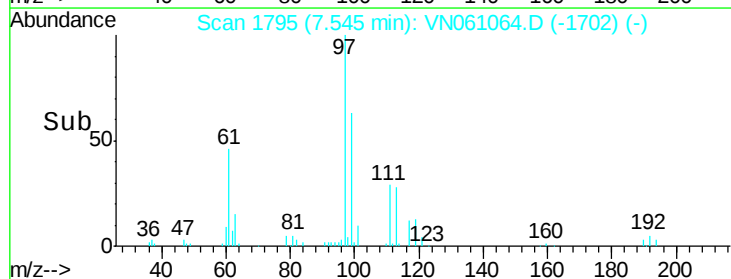
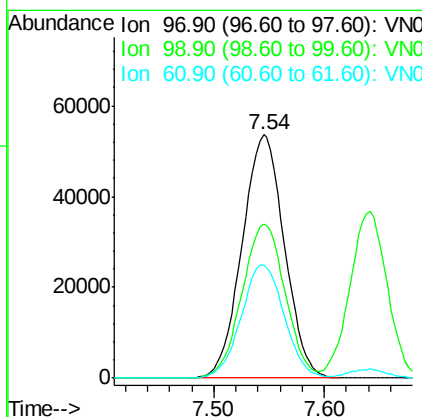
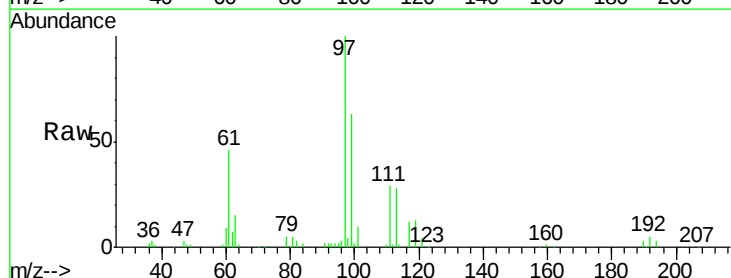
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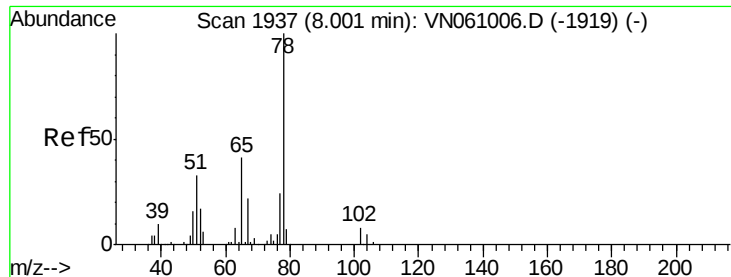
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#32
1,1,1-Trichloroethane
Concen: 50.744 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	142317		
99	64.6		51.0	76.4
61	47.3		37.0	55.6





#33

1,2-Dichloroethane-d4

Concen: 47.850 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion: 65 Resp: 91632

Ion Ratio Lower Upper

65 100

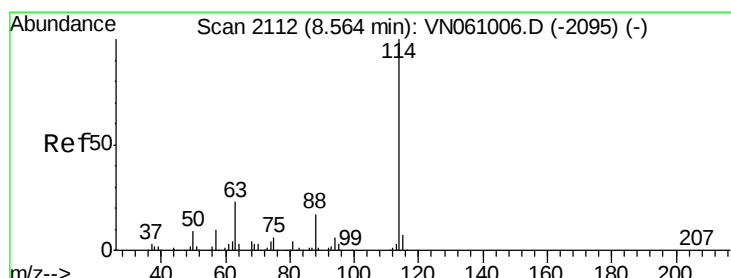
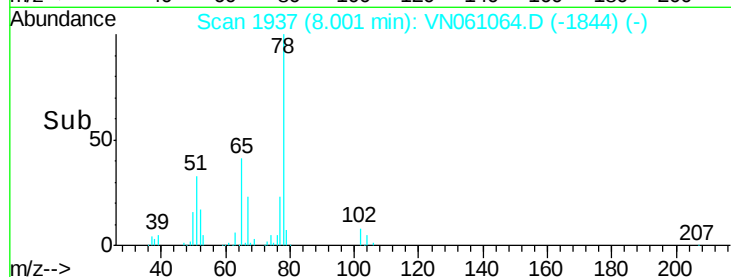
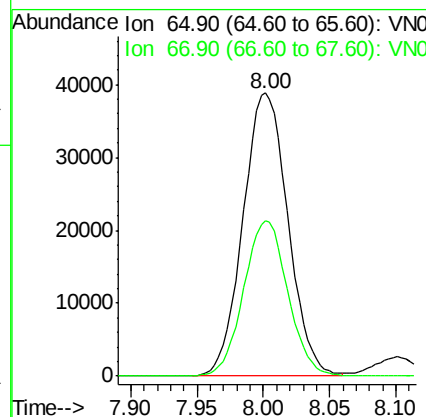
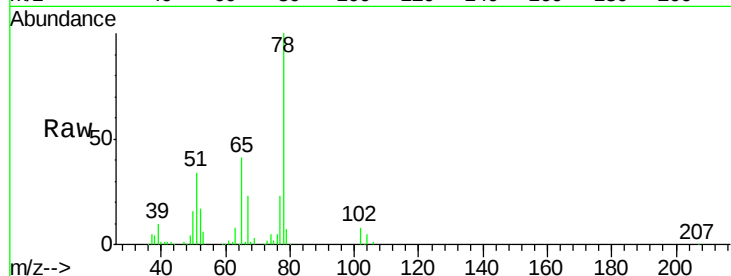
67 53.7 0.0 107.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

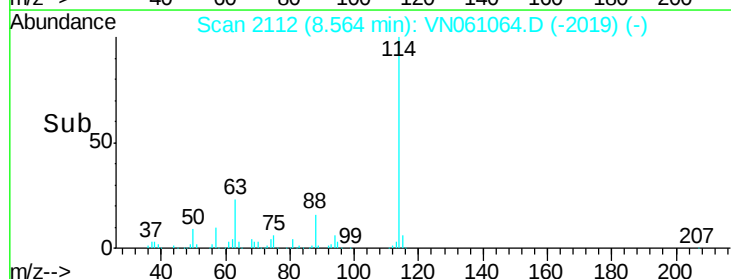
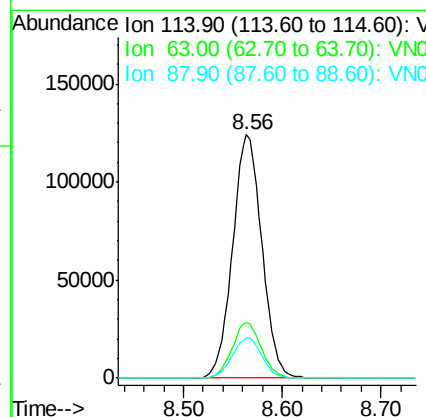
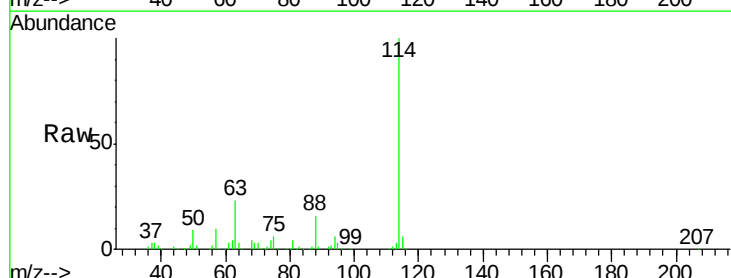
Tgt Ion: 114 Resp: 256002

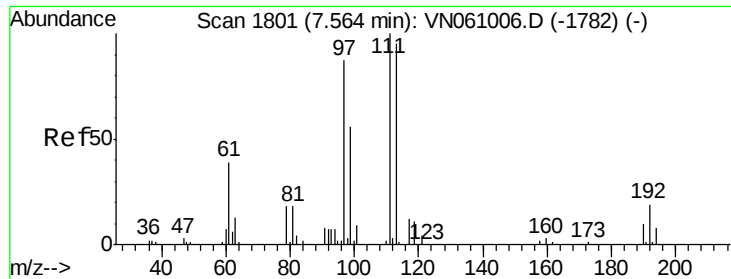
Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.2

88 16.3 0.0 33.4





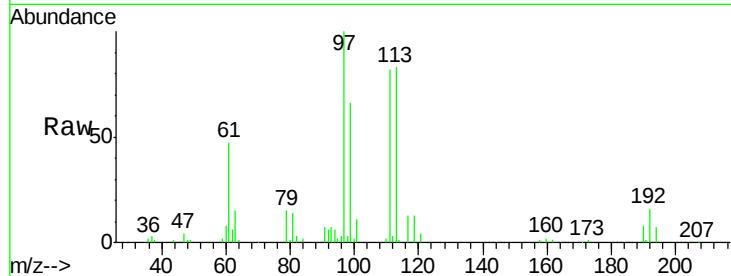
#35
 Dibromofluoromethane
 Concen: 48.052 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.4	125.2
192	19.7	15.5	23.3

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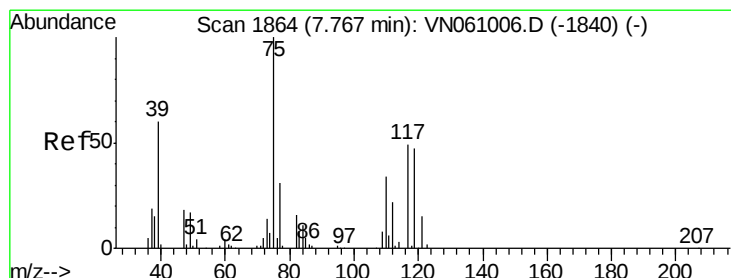
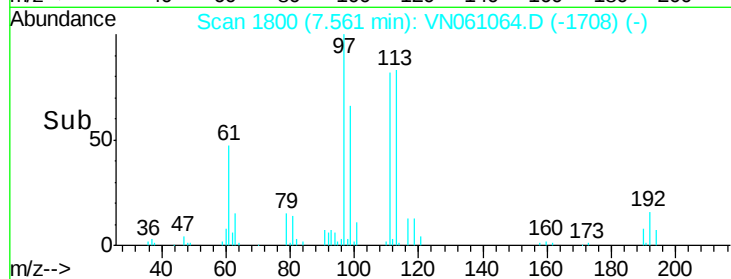
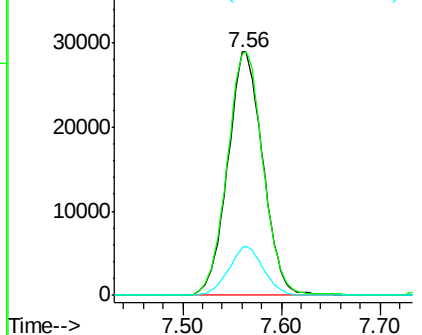


Abundance

Ion 112.80 (112.50 to 113.50): V

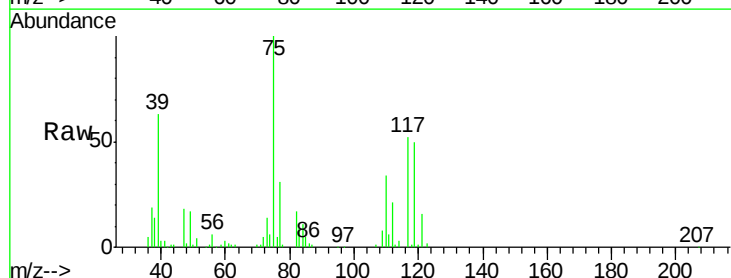
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 48.968 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.8	50.3
77	31.0	24.7	37.1

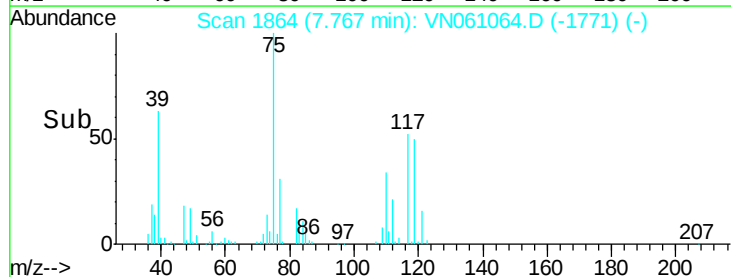
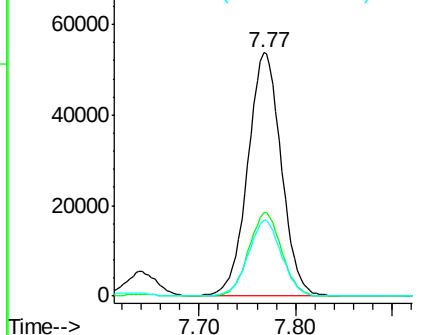


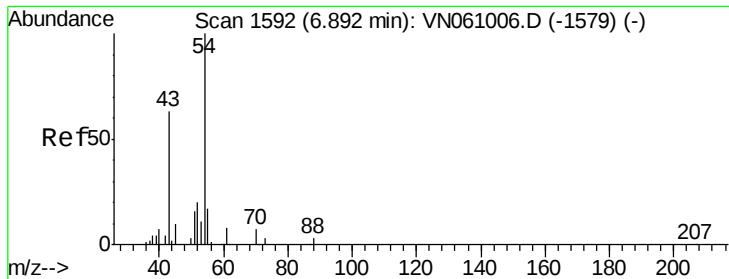
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





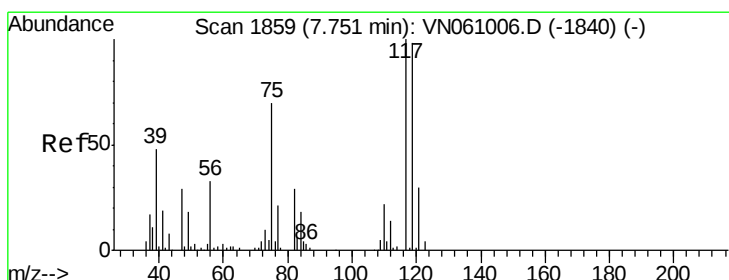
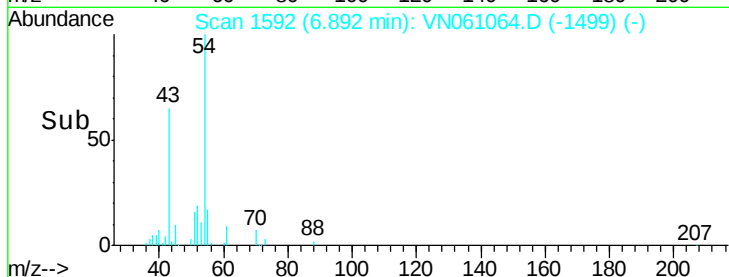
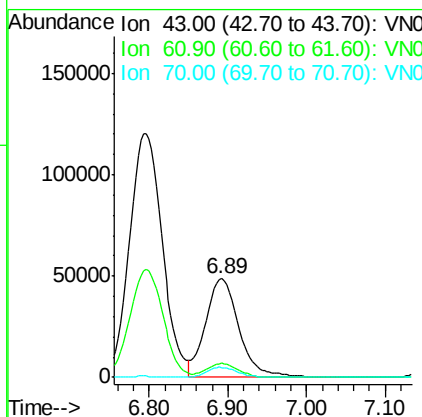
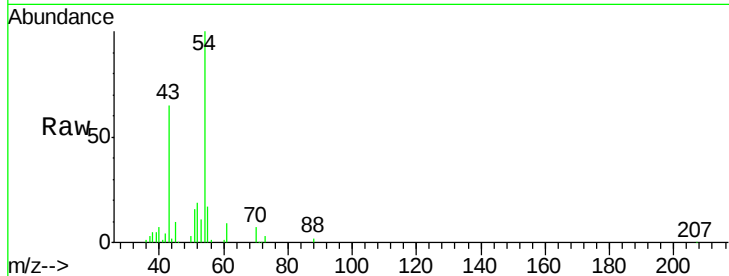
#37
Ethyl Acetate
Concen: 49.346 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.9	16.3
70	9.6	7.7	11.5

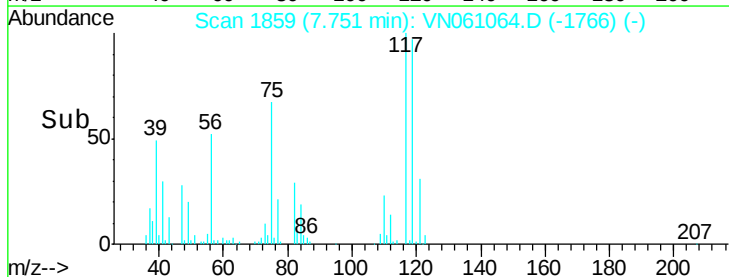
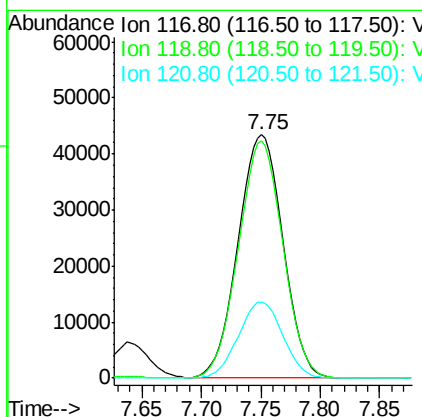
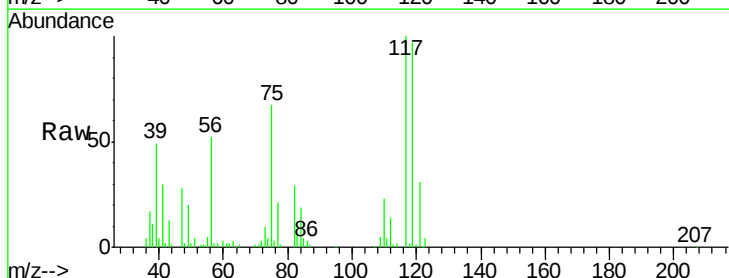
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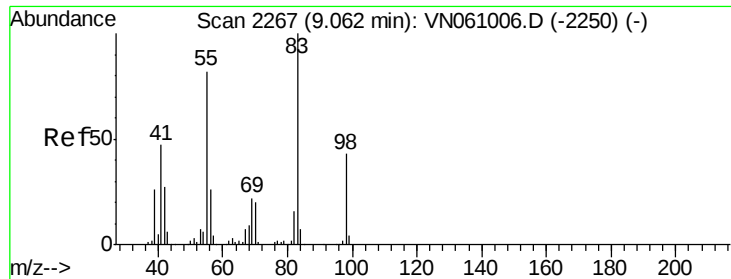
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#38
Carbon Tetrachloride
Concen: 51.693 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	78.1	117.1
121	31.3	24.0	36.0





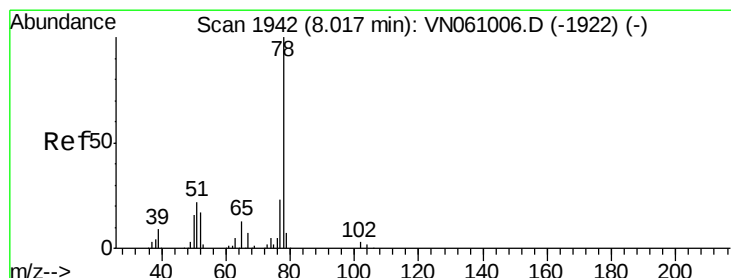
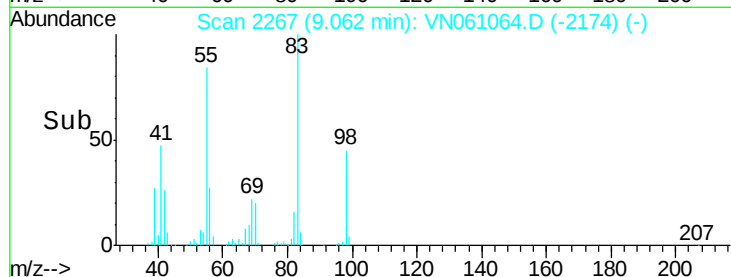
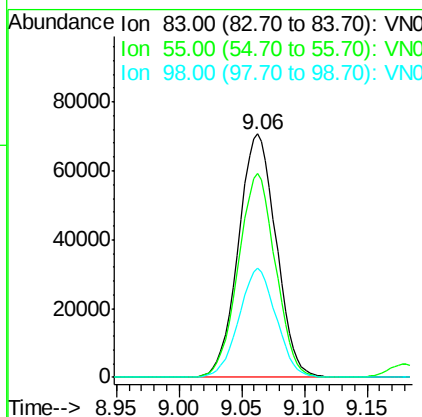
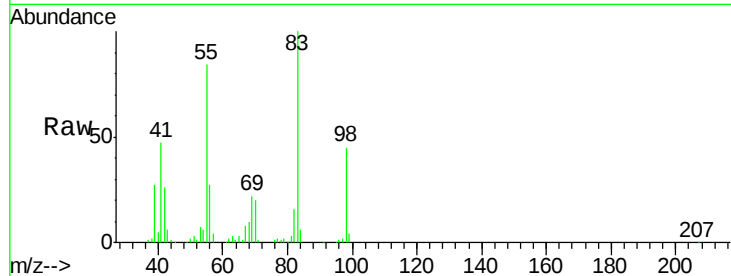
#39
Methvlcvclohexane
Concen: 46.864 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.9	65.4	98.0	
98	44.7	34.6	51.8	

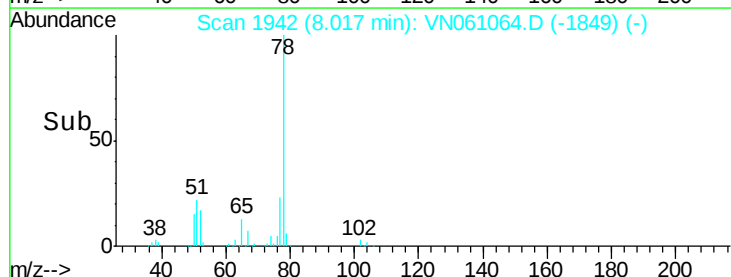
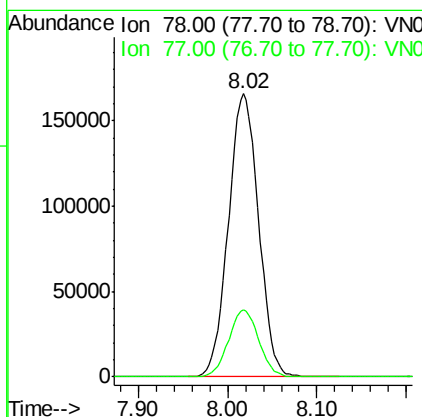
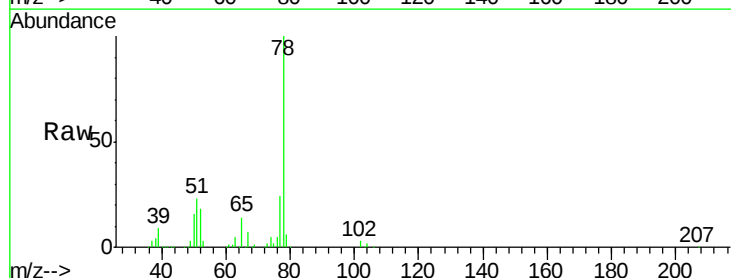
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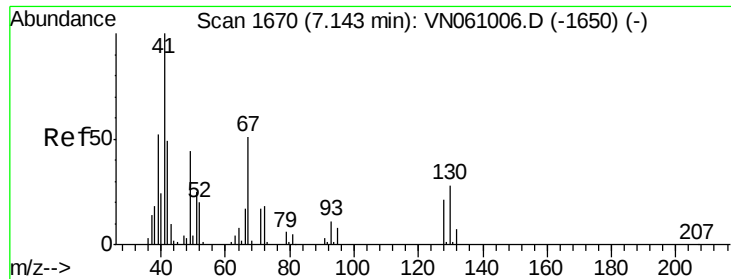
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#40
Benzene
Concen: 49.585 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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





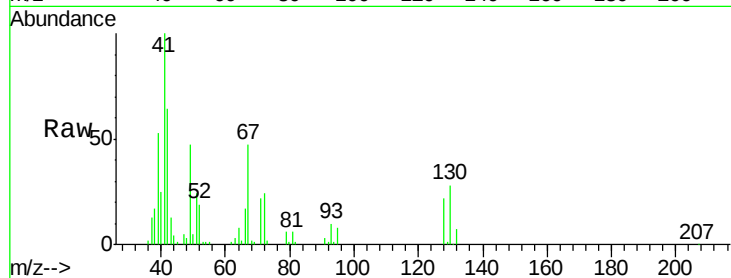
#41
Methacrylonitrile
Concen: 58.051 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

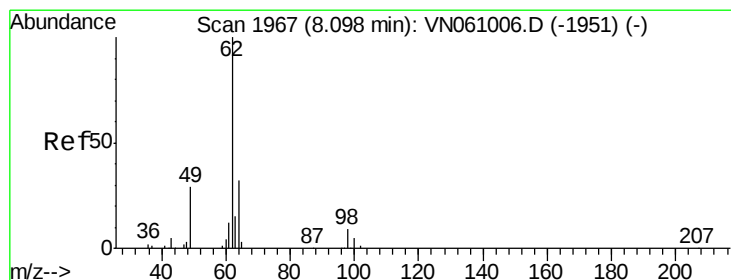
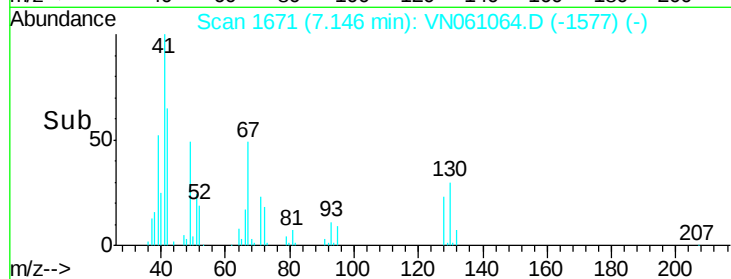
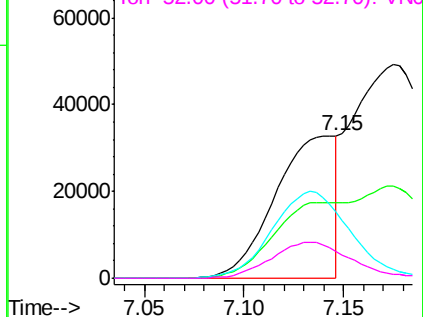
Tot Ion	41	Resp	69455
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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4/20/2020 10:21:09 AM

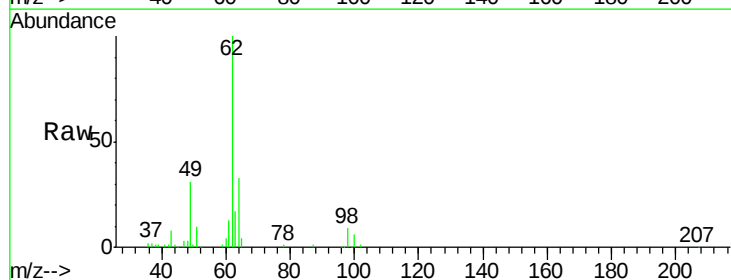


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

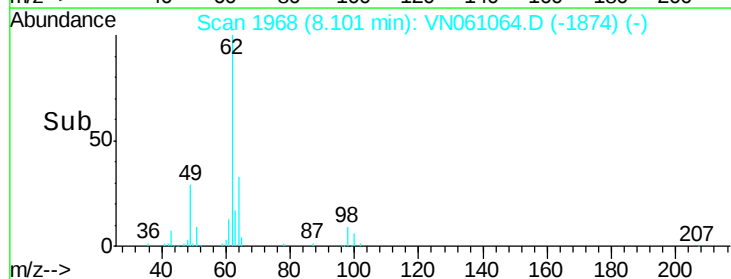
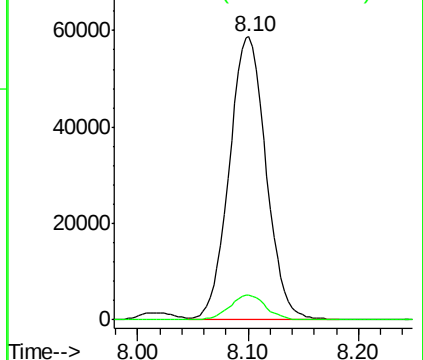


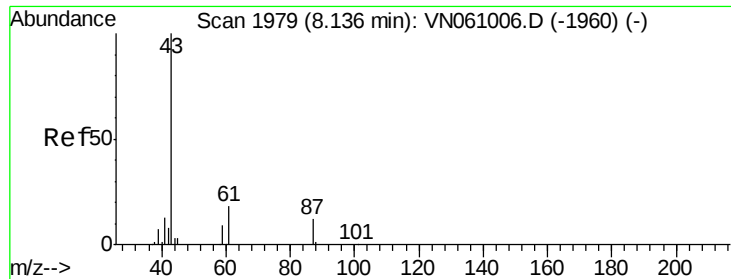
#42
1,2-Dichloroethane
Concen: 50.894 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	62	Resp	135873
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





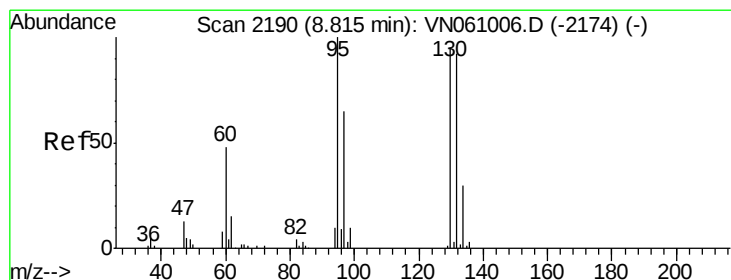
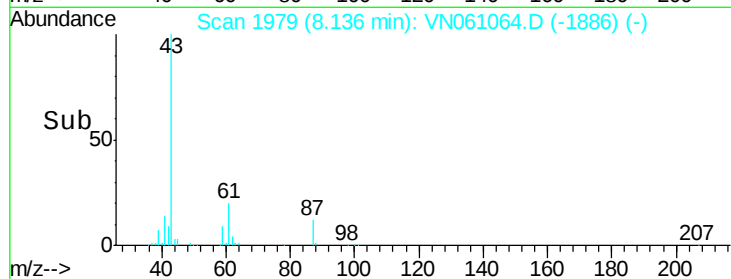
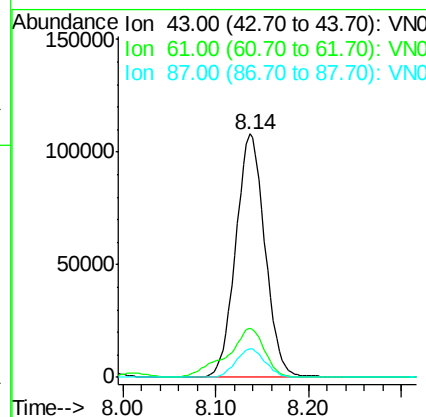
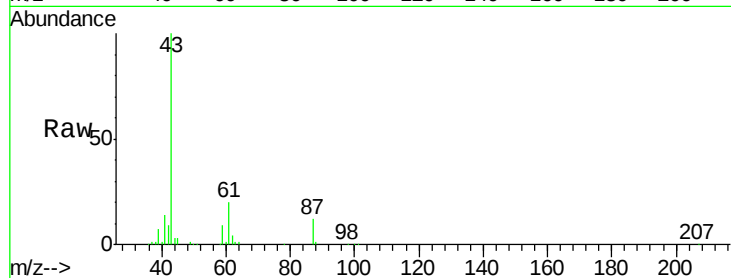
#43
Isopropyl Acetate
Concen: 50.558 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.3	30.5
87	11.8	9.4	14.2

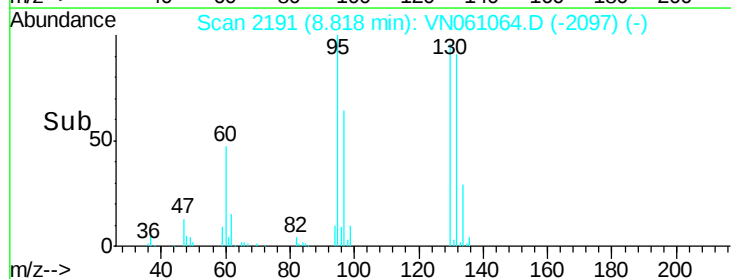
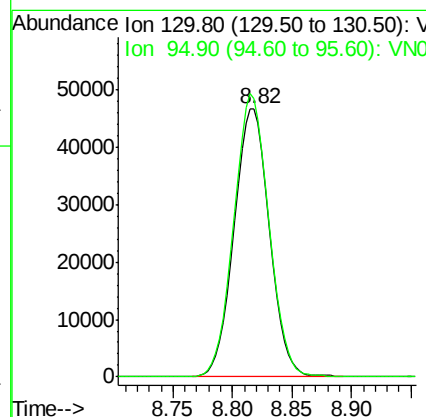
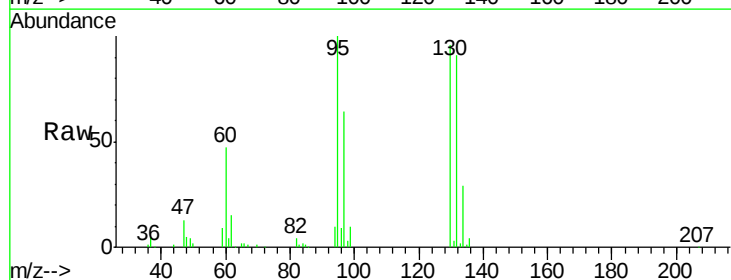
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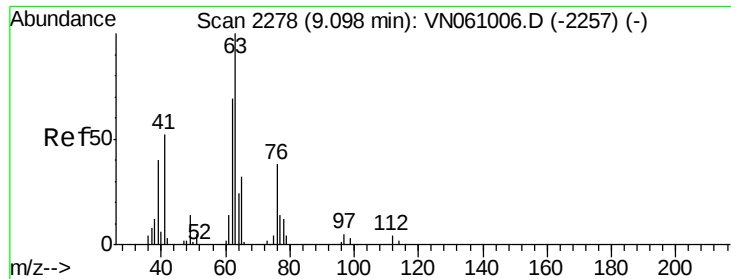
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#44
Trichloroethene
Concen: 48.931 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	210.0





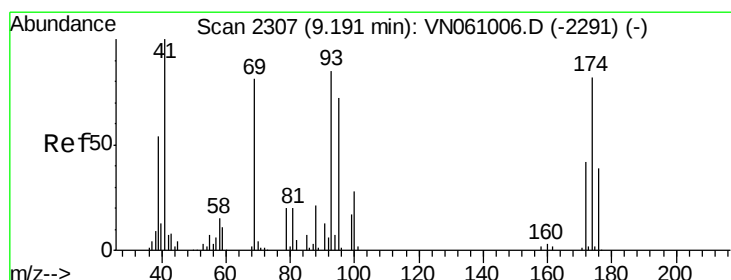
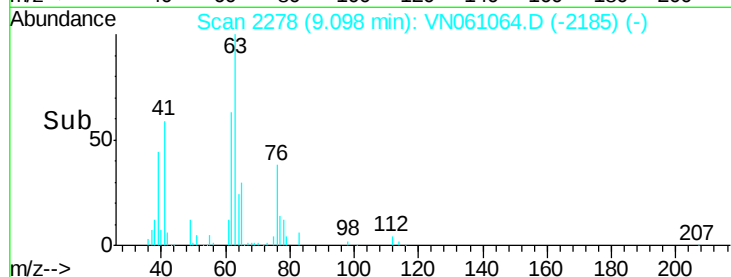
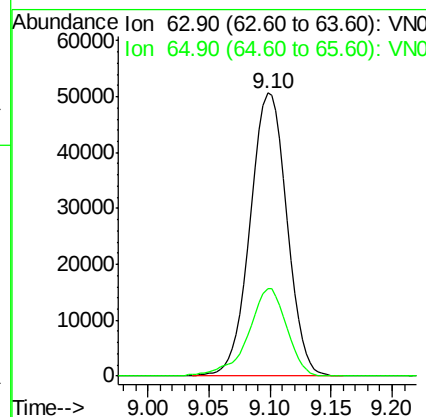
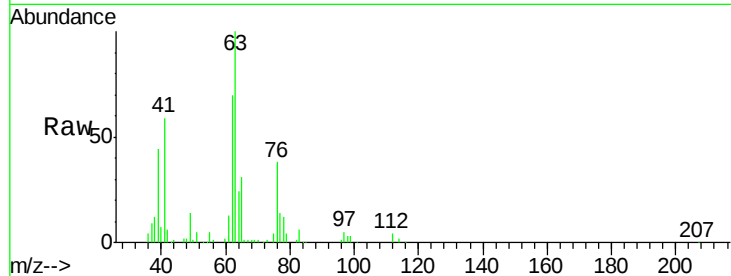
#45
 1,2-Dichloropropane
 Concen: 49.908 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.2	37.8

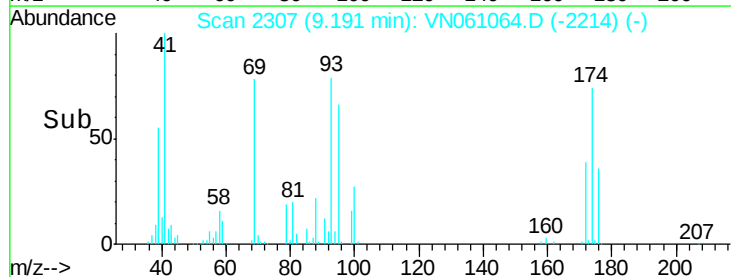
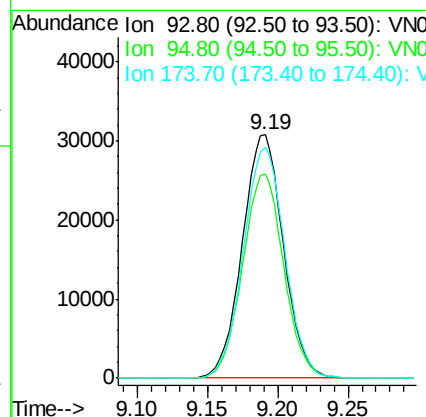
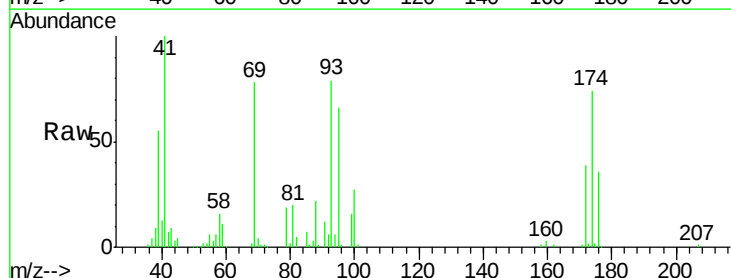
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#46
 Dibromomethane
 Concen: 51.548 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.8	100.2
174	95.4	76.2	114.4





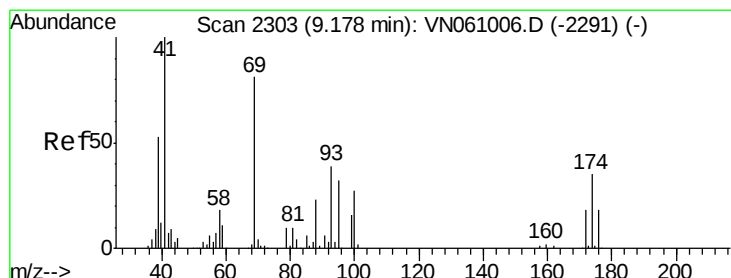
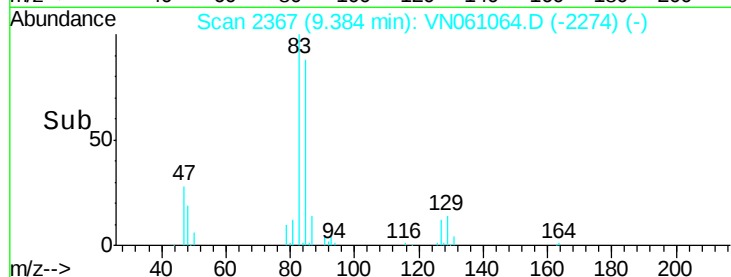
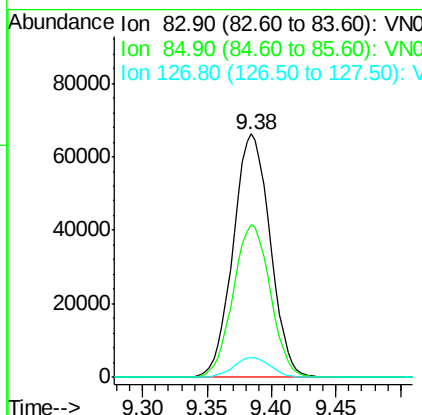
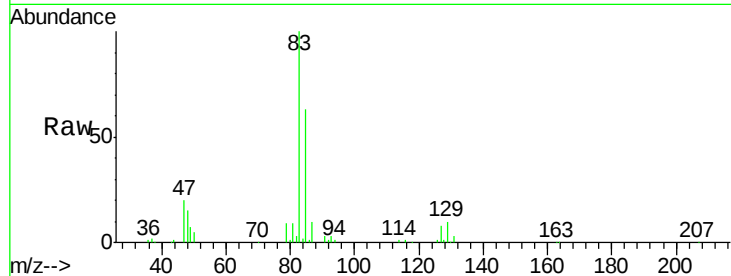
#47
Bromodichloromethane
Concen: 51.286 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	83	Resp	132230
Ion Ratio	100	Lower	Upper
83	100		
85	62.6	50.6	76.0
127	8.2	6.1	9.1

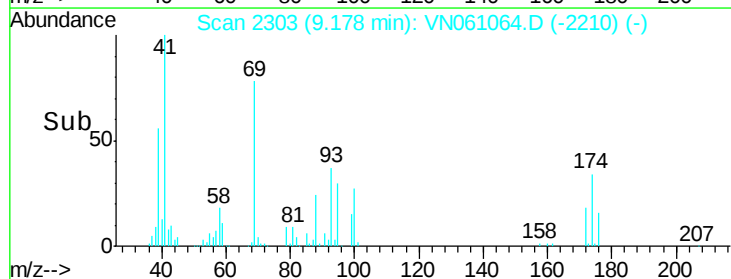
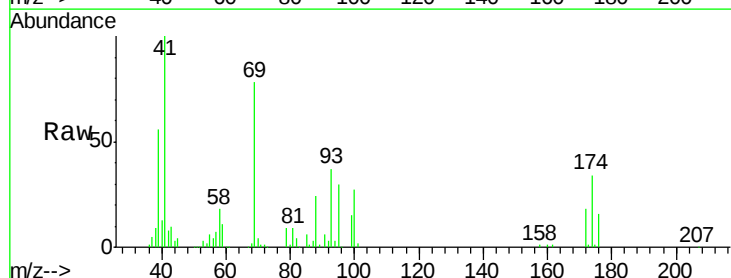
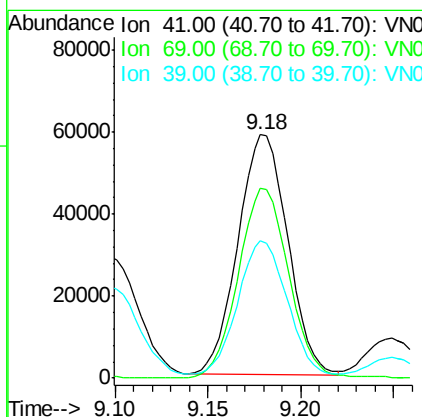
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#48
Methyl methacrylate
Concen: 53.258 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	41	Resp	109800
Ion Ratio	100	Lower	Upper
41	100		
69	80.0	65.3	97.9
39	58.0	45.2	67.8





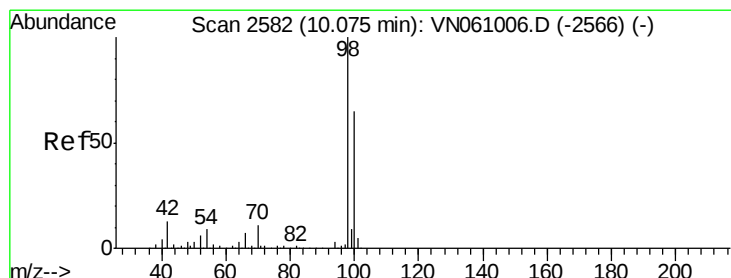
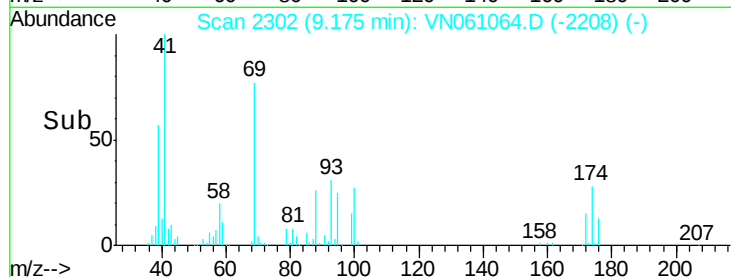
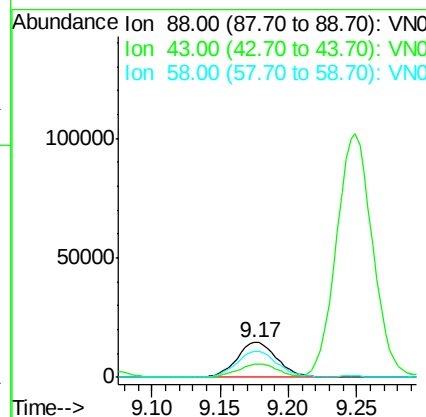
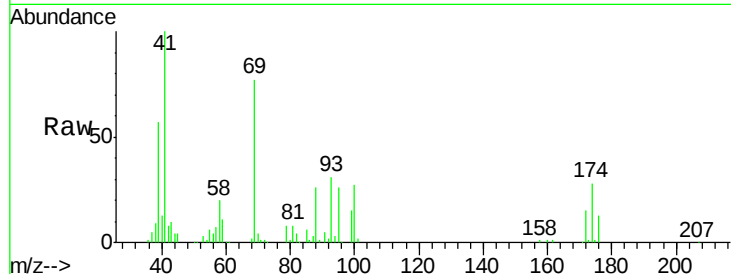
#49
1,4-Dioxane
Concen: 1048.115 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	30.9	46.3
58	75.9	59.8	89.8

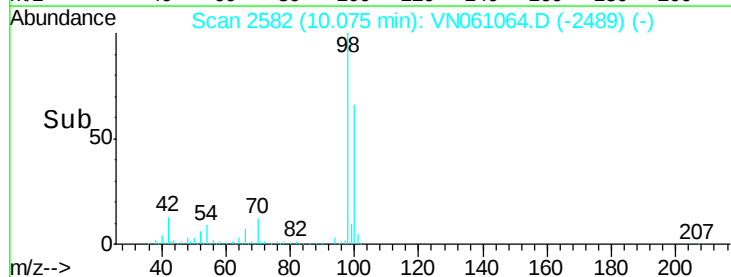
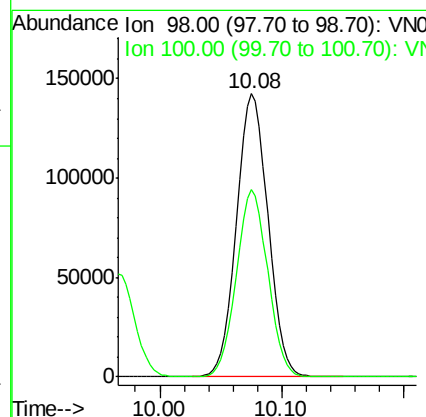
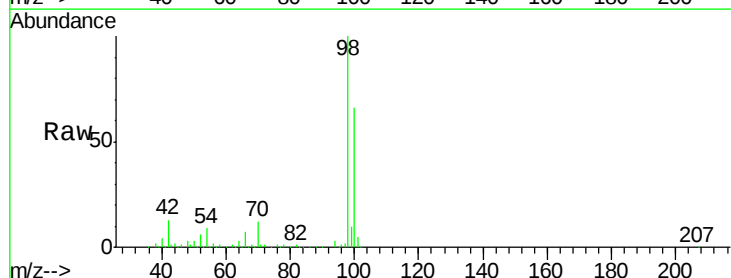
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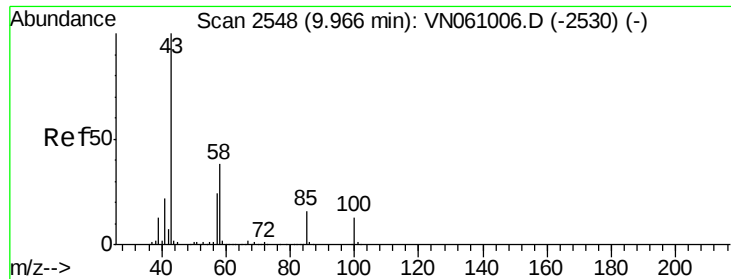
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#50
Toluene-d8
Concen: 45.221 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 270.735 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion: 43 Resp: 728098

Ion Ratio Lower Upper

43 100

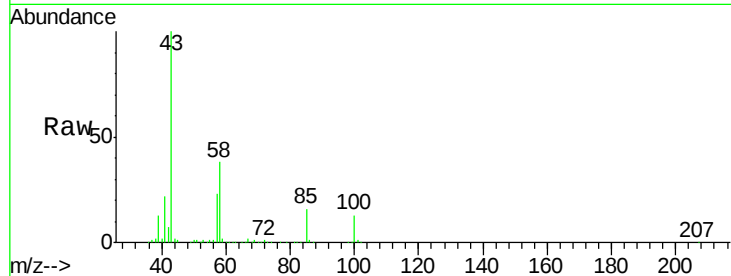
58 37.9 30.3 45.5

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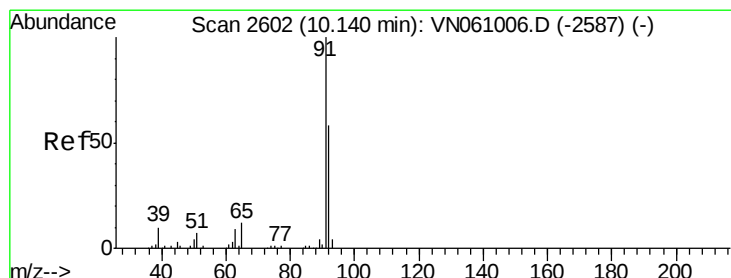
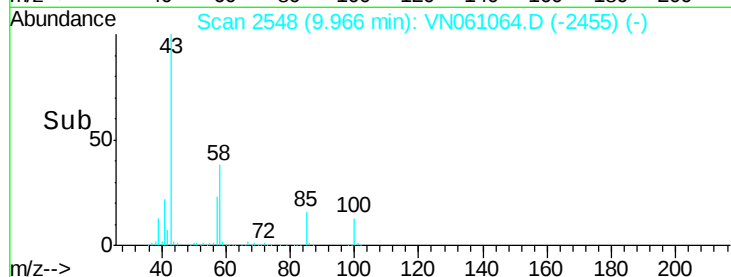
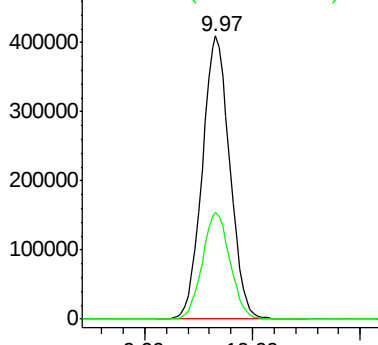
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.330 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061064.D

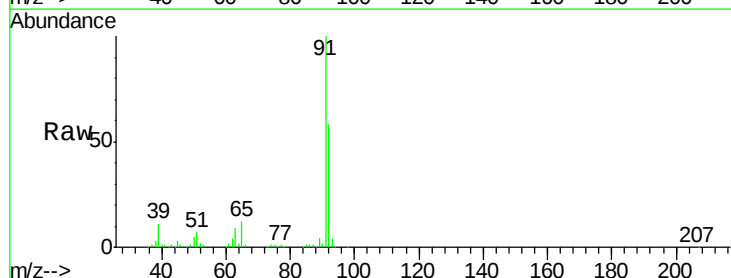
Acq: 17 Apr 2020 20:18

Tgt Ion: 92 Resp: 231928

Ion Ratio Lower Upper

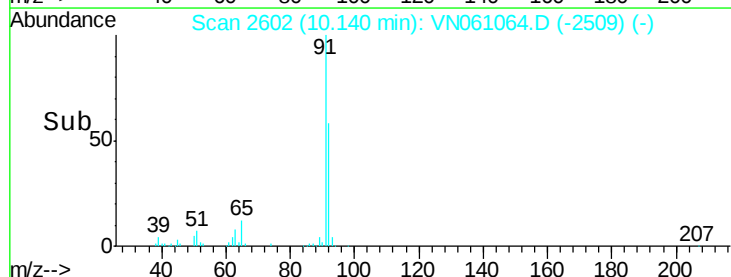
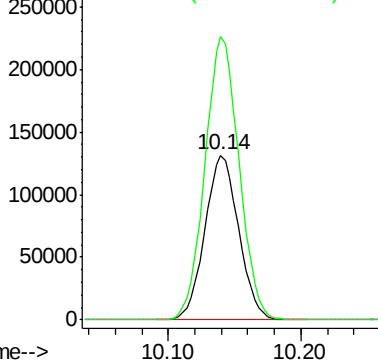
92 100

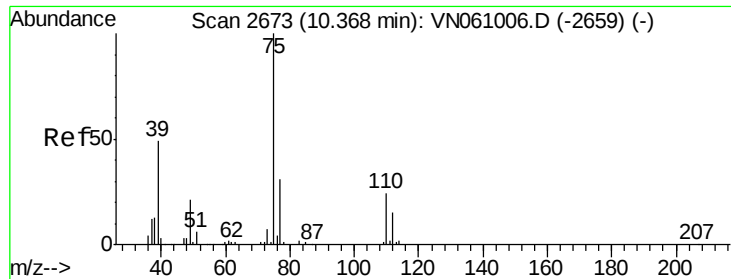
91 174.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





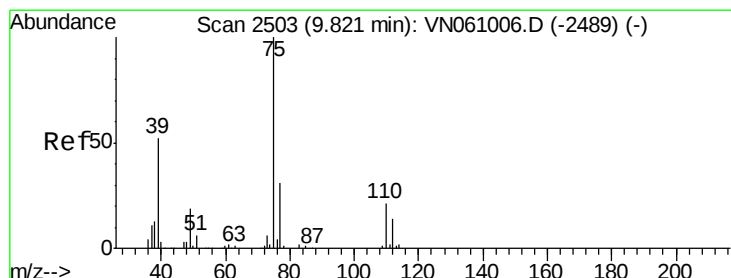
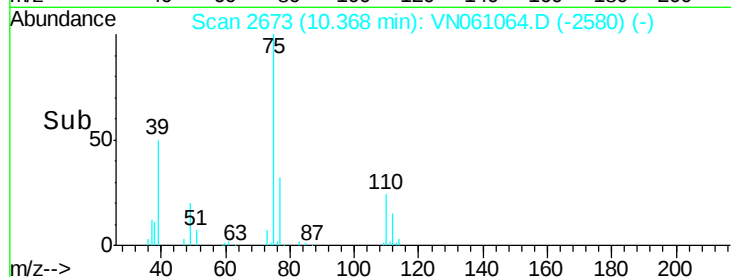
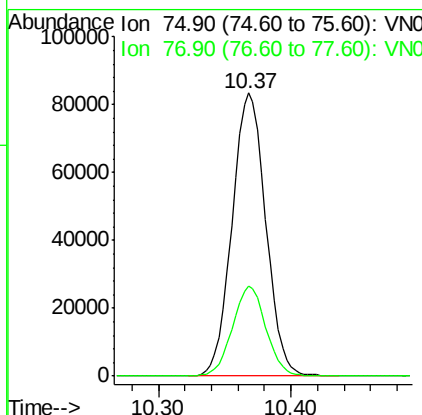
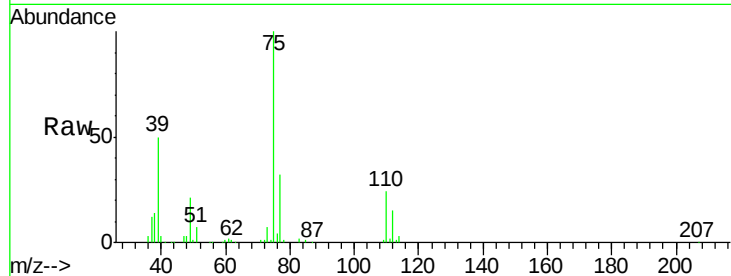
#53
 t-1,3-Dichloropropene
 Concen: 49.077 ug/l
 RT: 10.37 min Scan# 2673
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion: 75 Resp: 146979
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.6

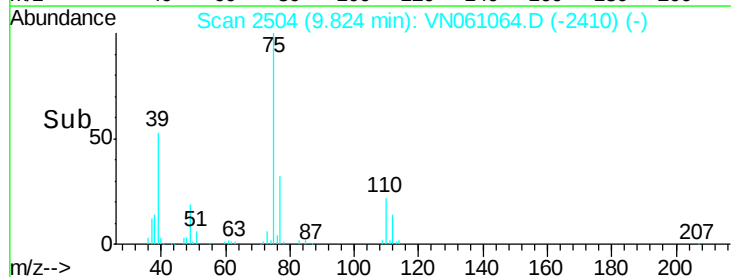
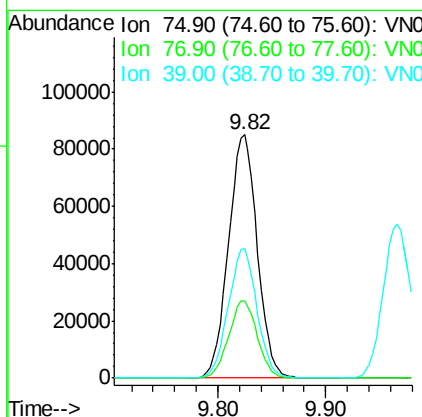
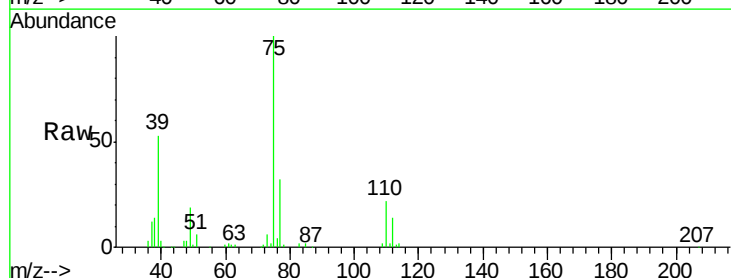
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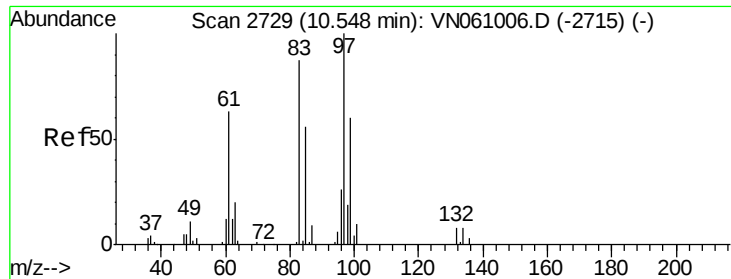
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#54
 cis-1,3-Dichloropropene
 Concen: 48.473 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion: 75 Resp: 158395
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.6
 39 53.2 41.4 62.2





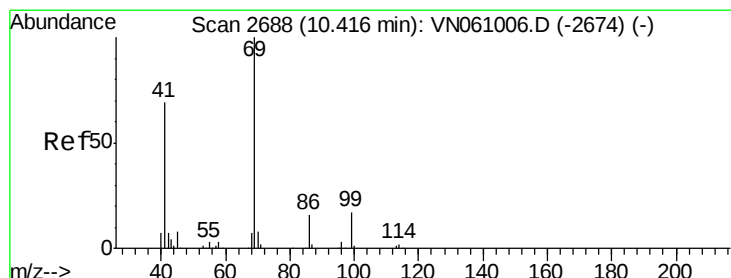
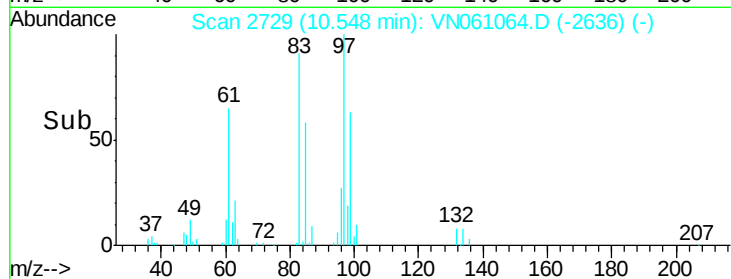
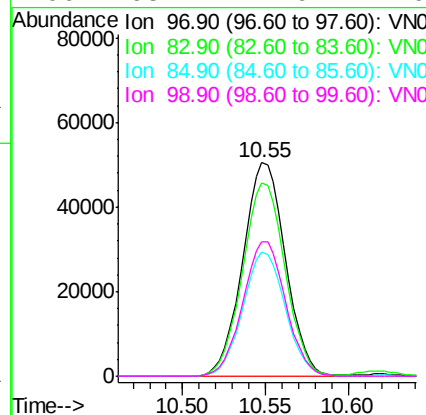
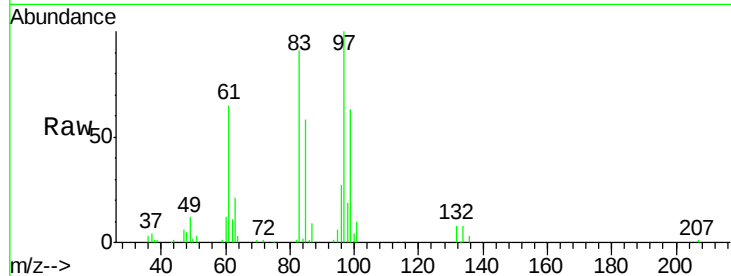
#55
 1,1,2-Trichloroethane
 Concen: 50.899 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion:	97	Resp:	90560
Ion	Ratio	Lower	Upper
97	100		
83	90.6	69.5	104.3
85	58.1	45.0	67.4
99	63.2	47.9	71.9

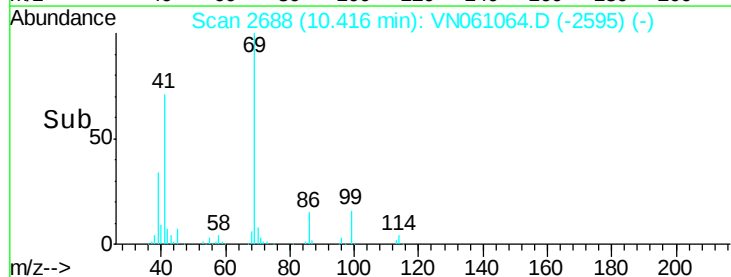
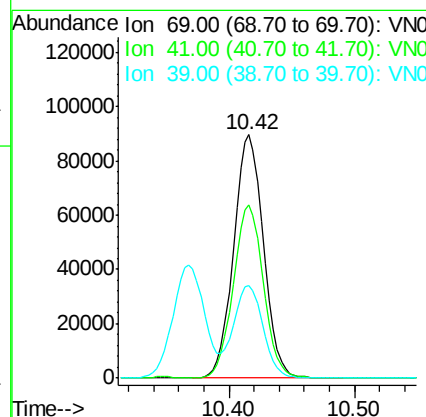
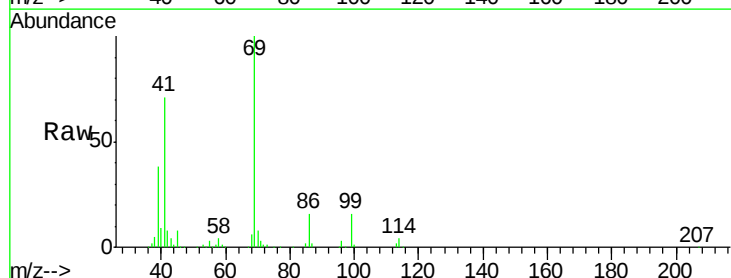
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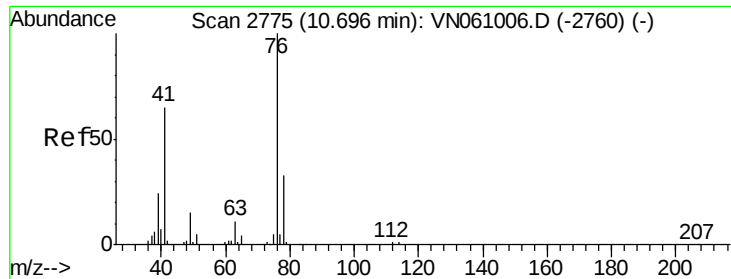
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#56
 Ethyl methacrylate
 Concen: 52.905 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion:	69	Resp:	148017
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.7	85.1
39	38.2	29.4	44.0





#57

1,3-Dichloropropane

Concen: 50.736 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion: 76 Resp: 161018

Ion Ratio Lower Upper

76 100

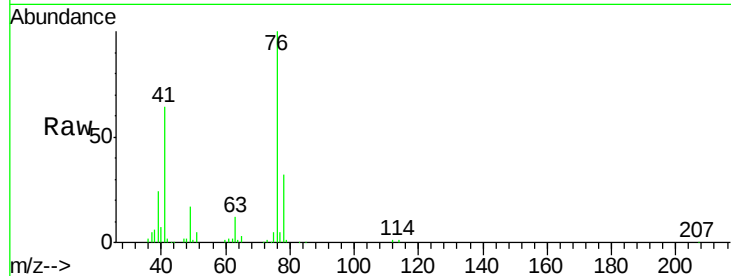
78 32.1 25.4 38.0

Manual Integrations

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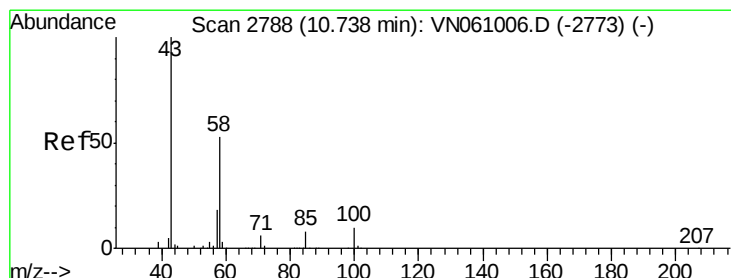
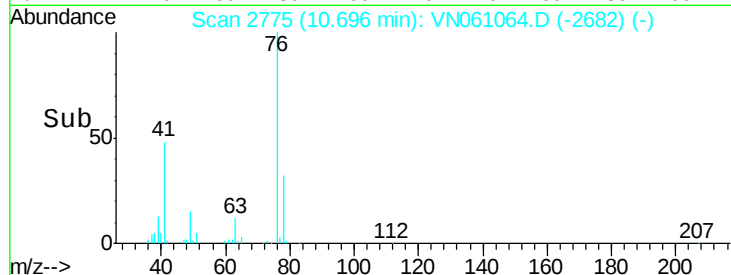
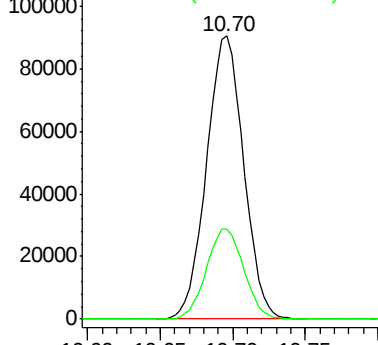
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 275.117 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.00 min

Lab File: VN061064.D

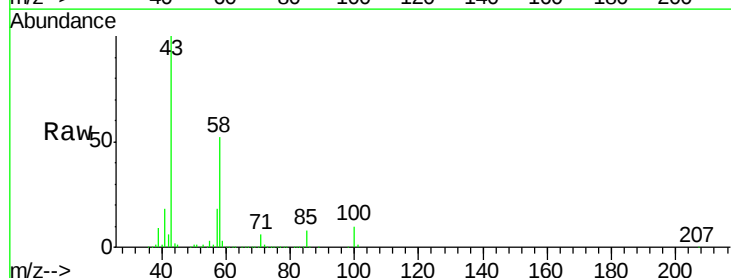
Acq: 17 Apr 2020 20:18

Tgt Ion: 43 Resp: 533588

Ion Ratio Lower Upper

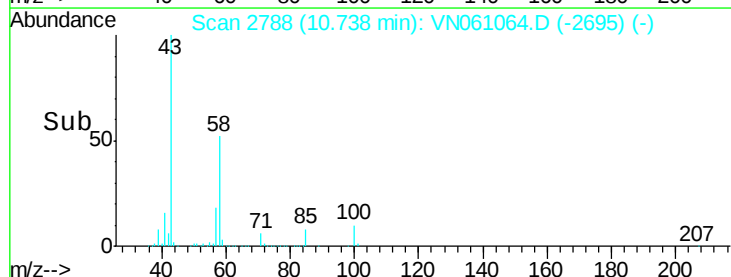
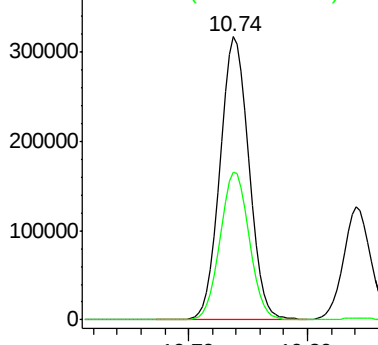
43 100

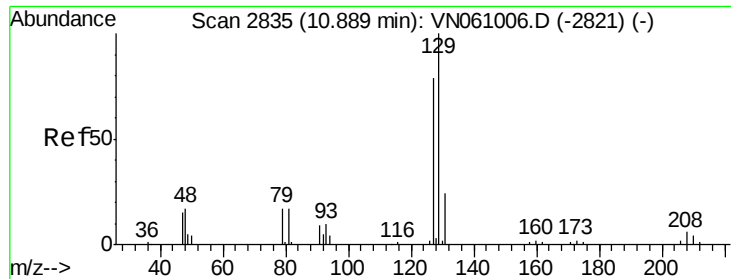
58 52.7 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





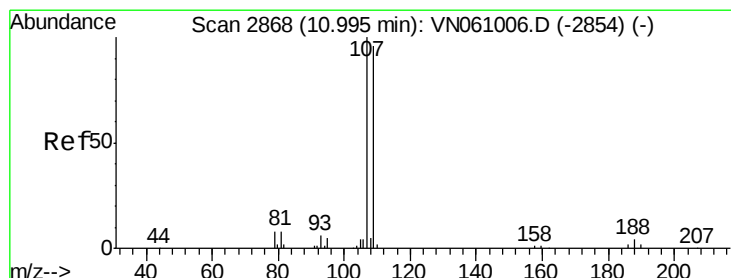
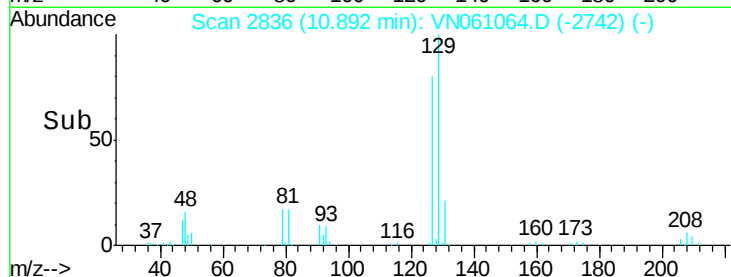
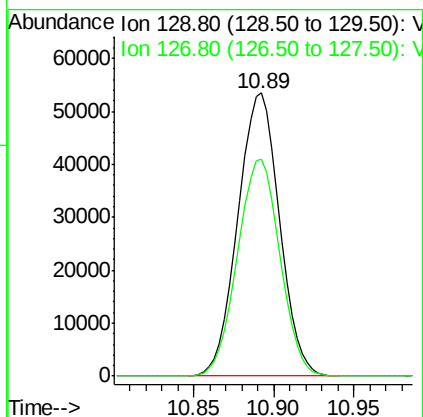
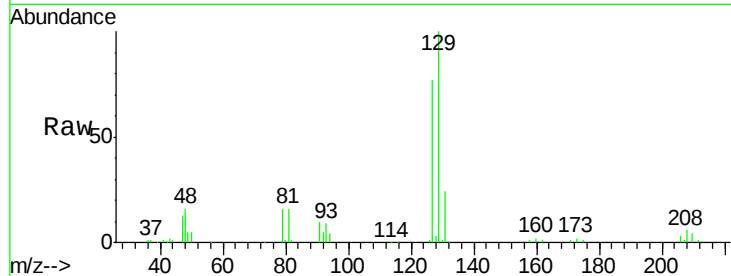
#60
 Dibromochloromethane
 Concen: 52.065 ug/l
 RT: 10.89 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.0	116.9

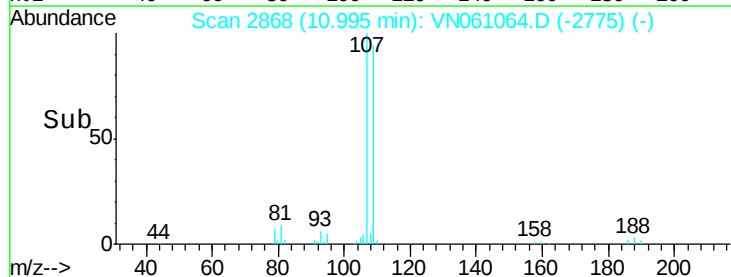
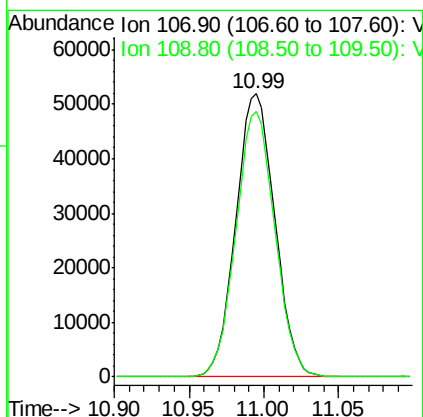
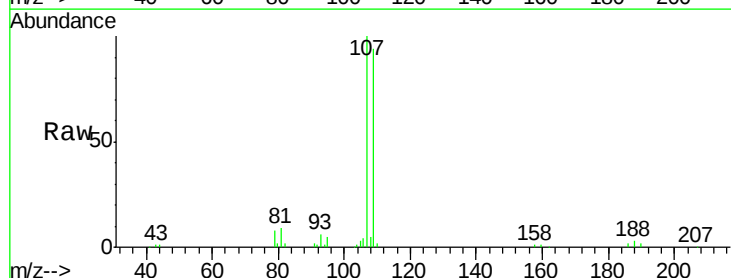
Manual Integrations
 APPROVED

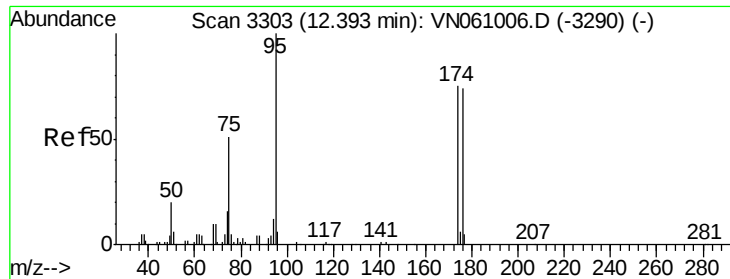
MMDadoda
 4/20/2020 10:21:09 AM



#61
 1,2-Dibromoethane
 Concen: 52.012 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.9	113.9





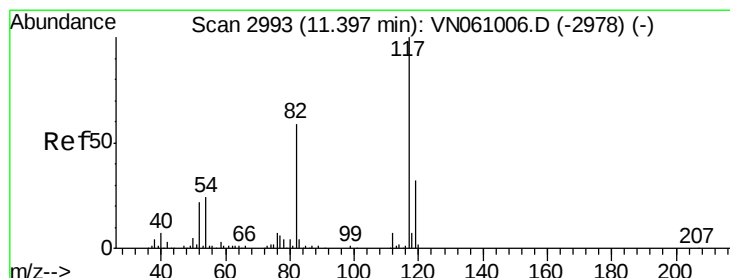
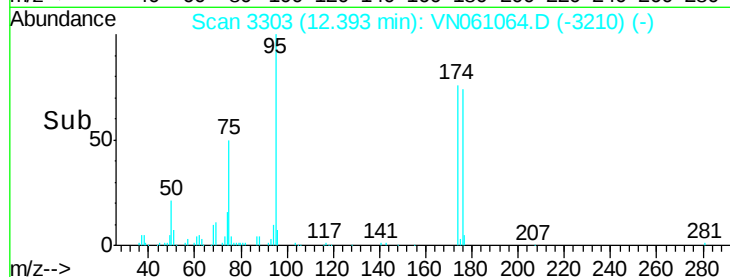
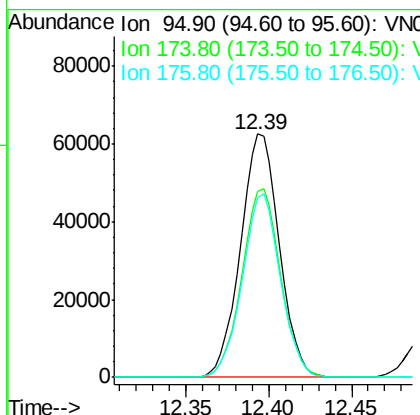
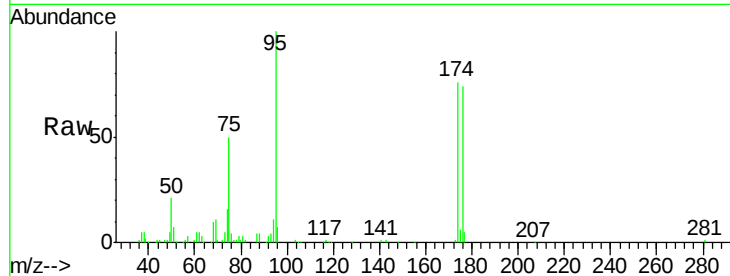
#62
4-Bromofluorobenzene
Concen: 45.872 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Resp	Lower	Upper
95	100	101568		
174	77.1	0.0	151.2	
176	73.9	0.0	148.2	

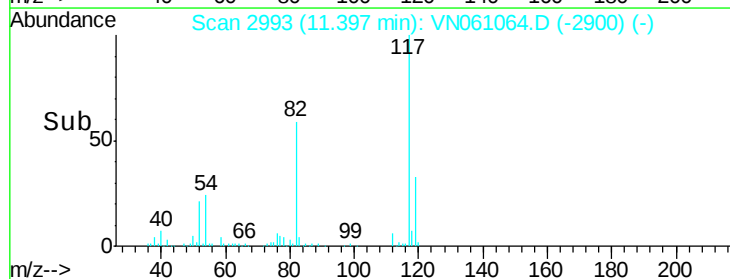
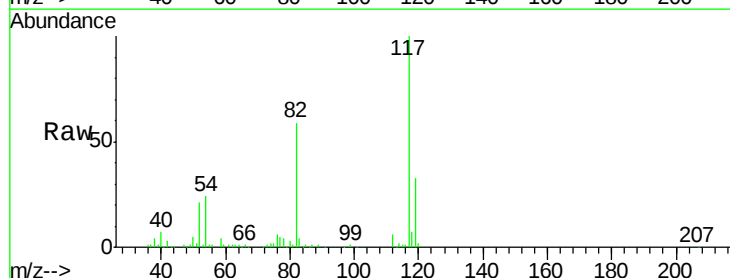
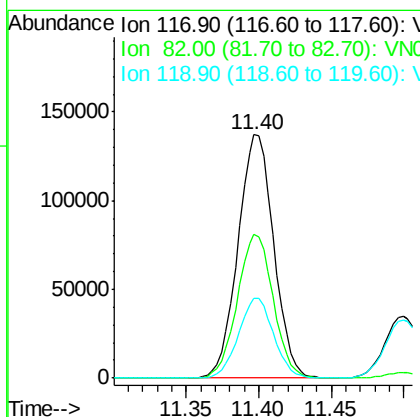
Manual Integrations
APPROVED

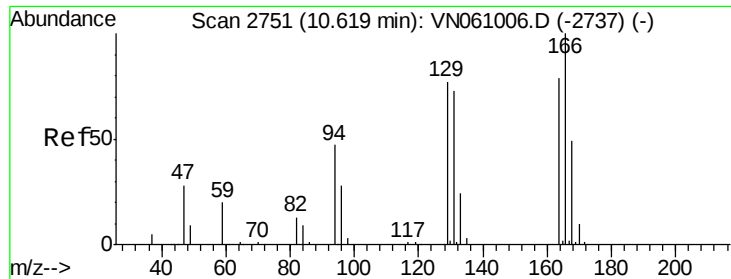
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	235337		
82	58.8	47.1	70.7	
119	32.9	25.7	38.5	





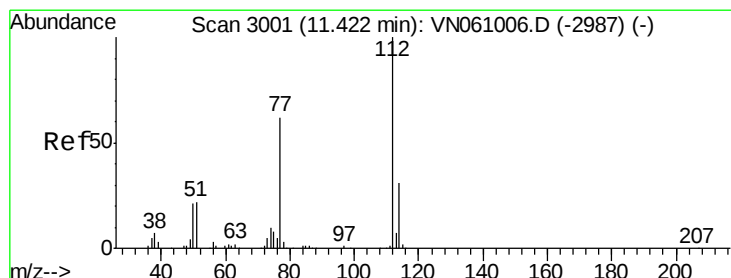
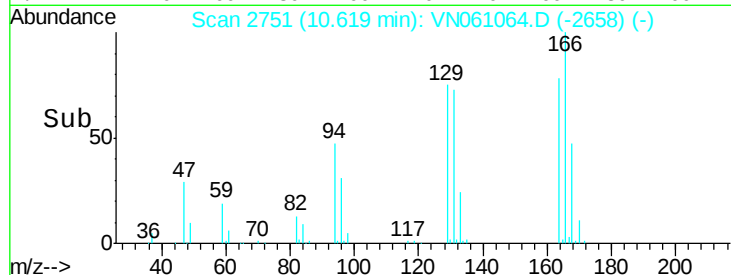
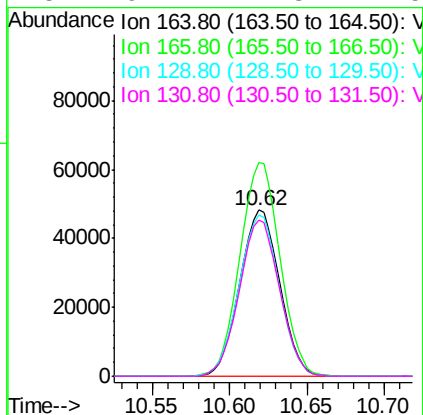
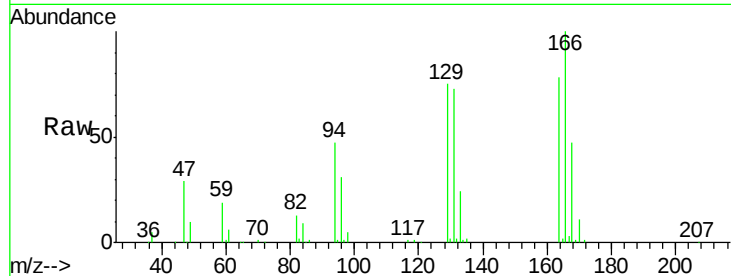
#64
Tetrachloroethene
Concen: 48.257 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.6	152.4
129	96.7	78.5	117.7
131	94.2	74.3	111.5

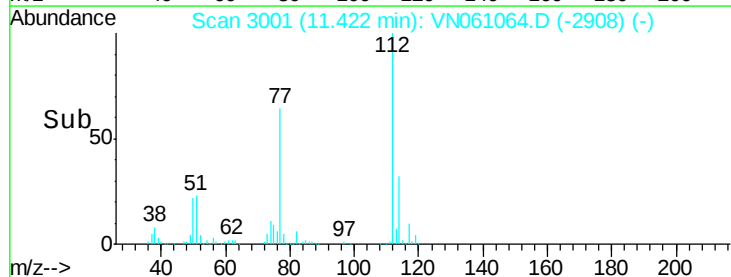
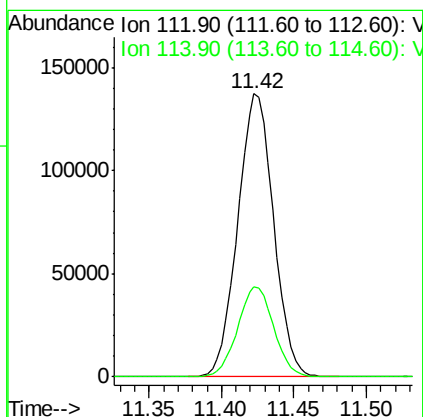
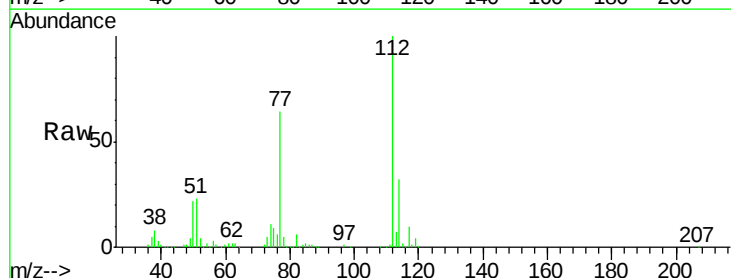
Manual Integrations
APPROVED

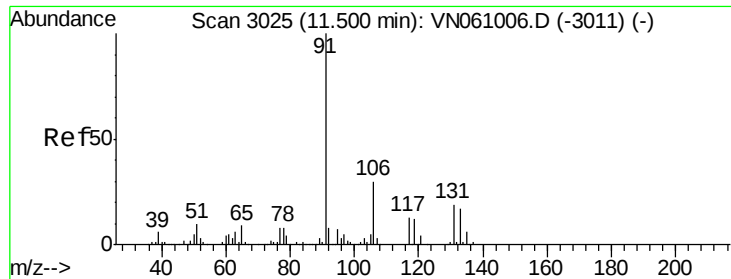
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#65
Chlorobenzene
Concen: 48.487 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7





#66

1,1,1,2-Tetrachloroethane

Concen: 49.838 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

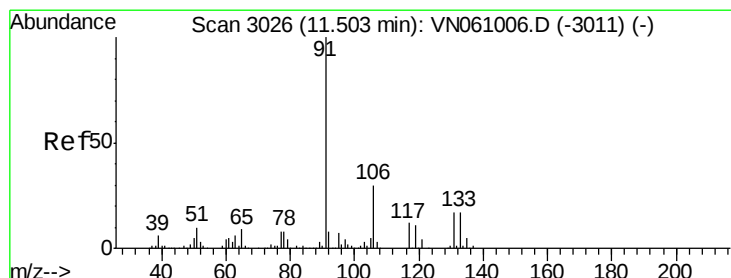
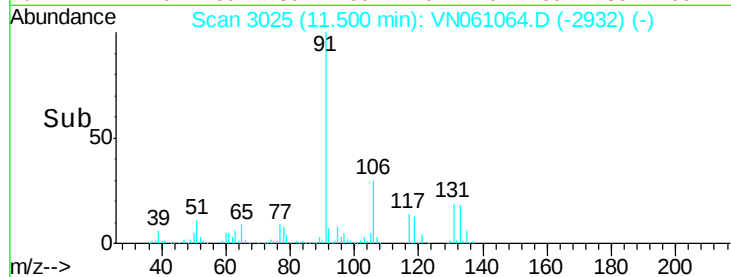
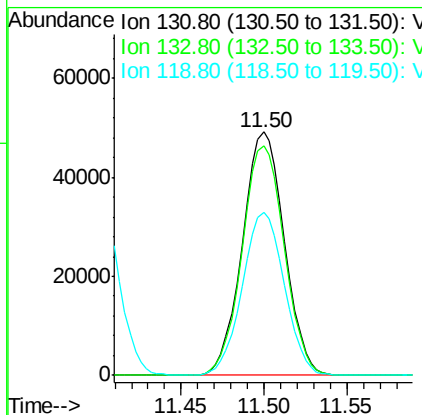
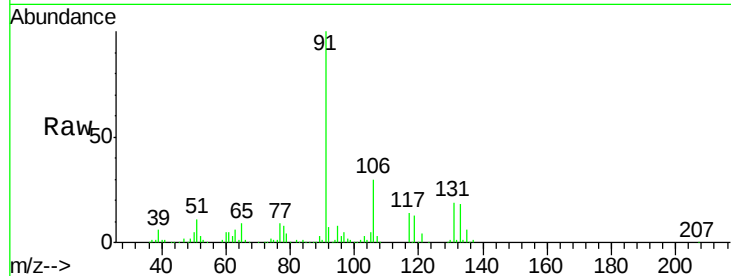
ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion:	131	Resp:	86625
Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.9	143.8
119	67.1	33.3	99.8

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#67

Ethyl Benzene

Concen: 49.258 ug/l

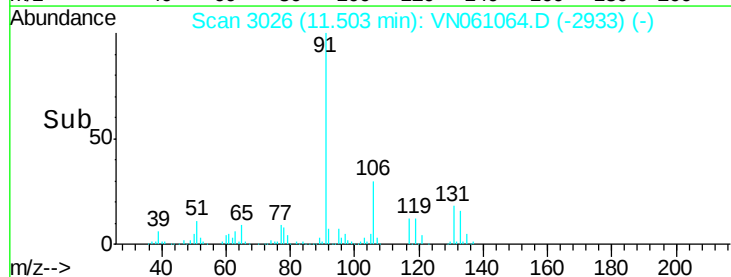
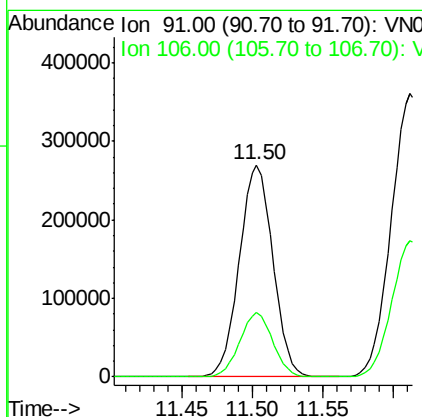
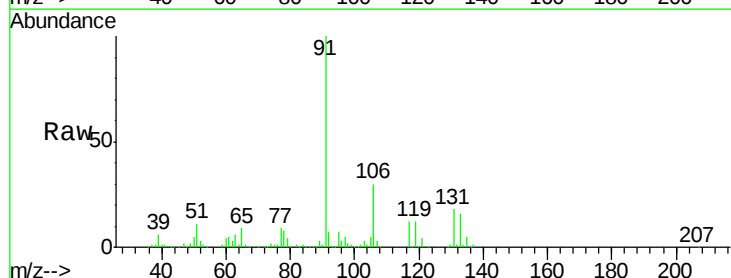
RT: 11.50 min Scan# 3026

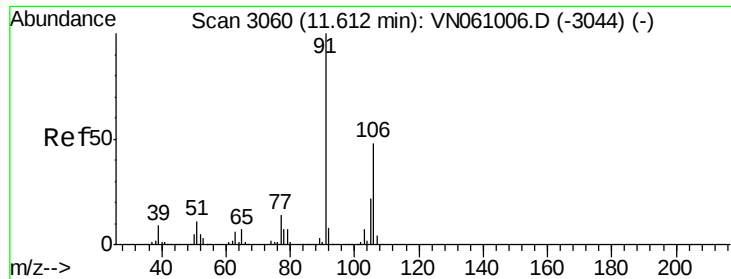
Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Tgt Ion:	91	Resp:	450147
Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.8





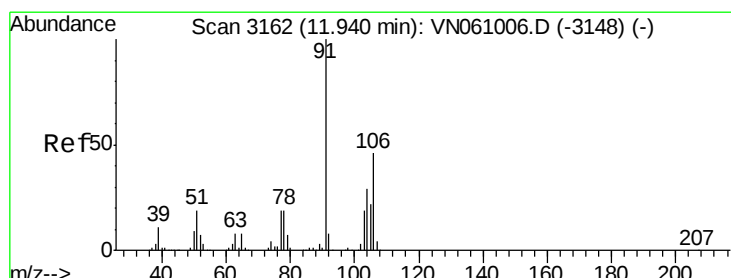
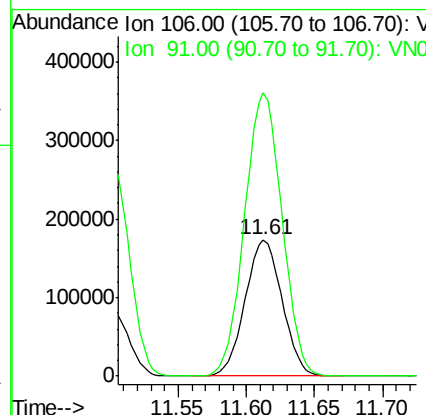
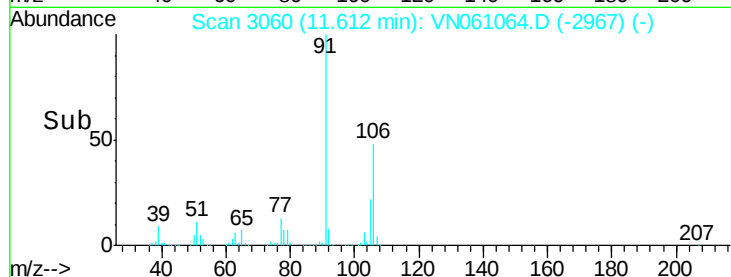
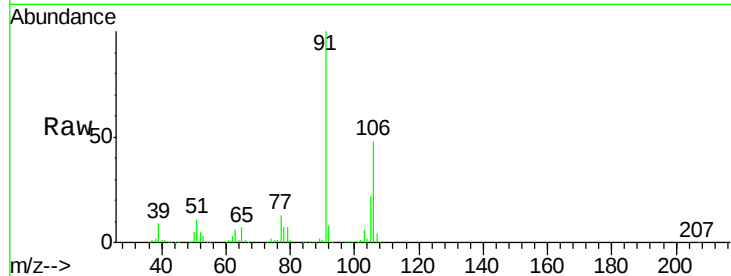
#68
m/p-Xylenes
Concen: 98.884 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	210.4	167.9	326578	251.9	

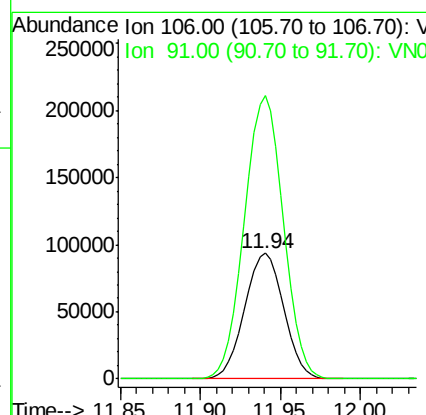
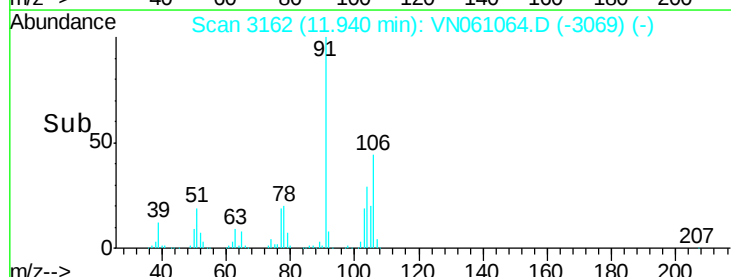
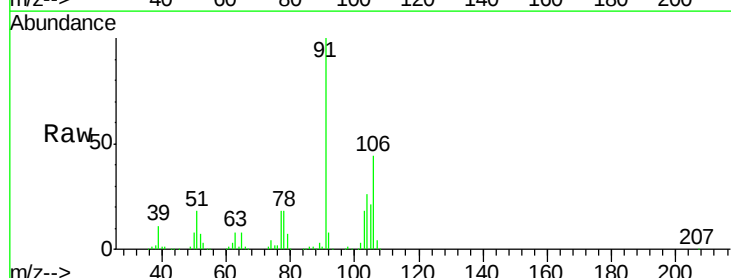
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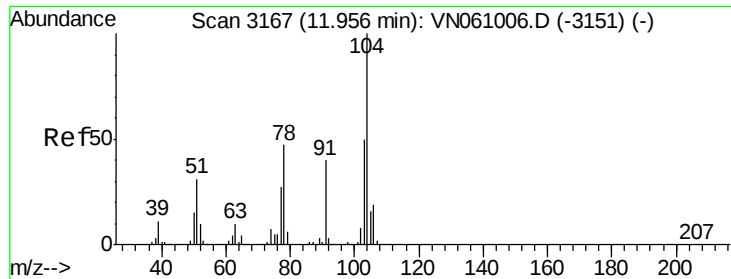
MMDadoda
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#69
o-Xylene
Concen: 49.150 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	224.4	110.7	156071	332.1	





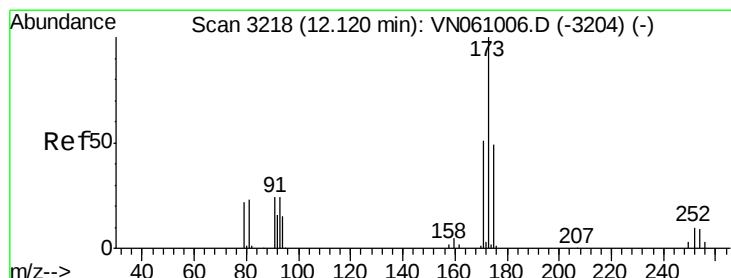
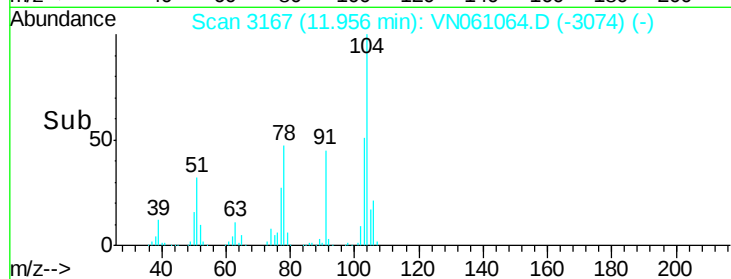
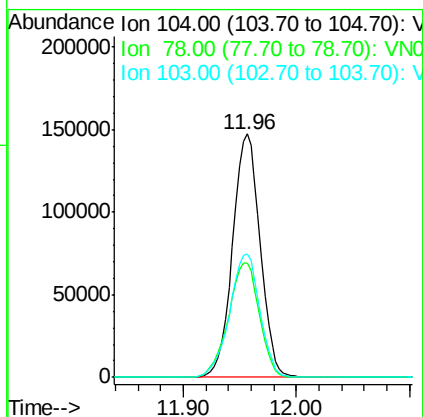
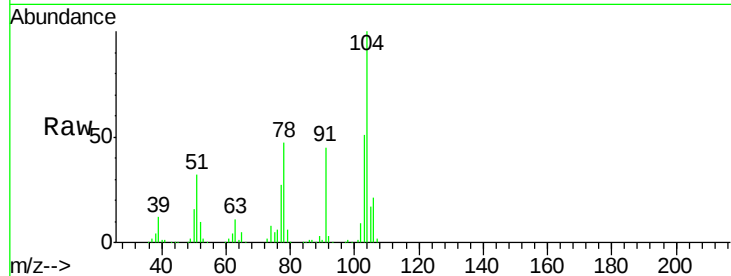
#70
Stvrene
Concen: 48.874 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Resp	Lower	Upper
104	100	249851		
78	52.7		42.2	63.4
103	55.7		44.4	66.6

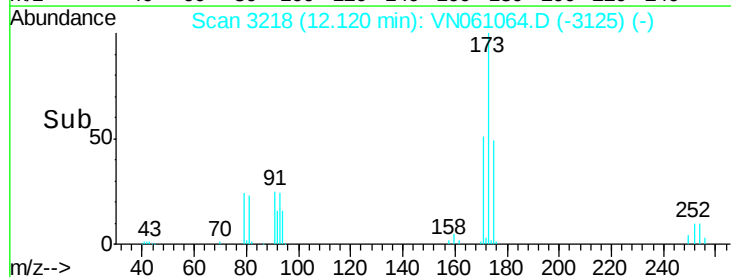
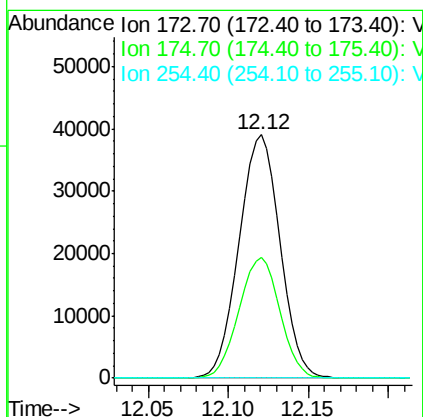
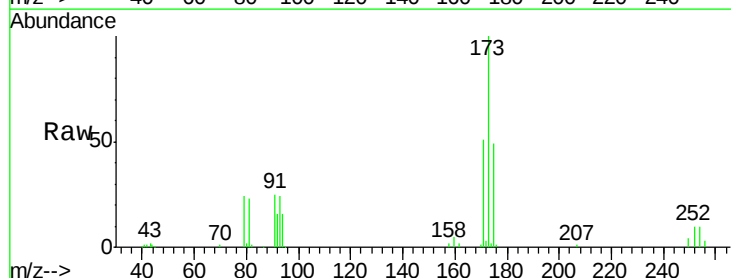
Manual Integrations
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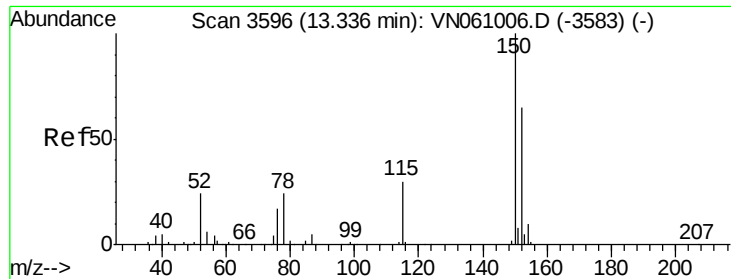
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#71
Bromoform
Concen: 52.480 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	68087		
175	49.4		24.5	73.5
254	0.0		0.0	0.0





#72

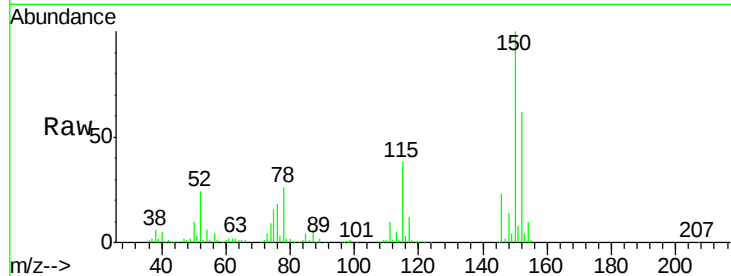
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.8	92.4
150	173.4	0.0	349.0

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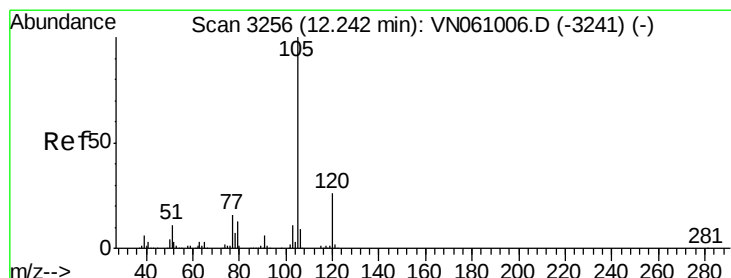
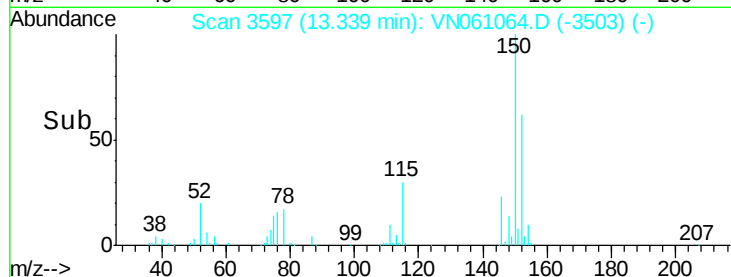
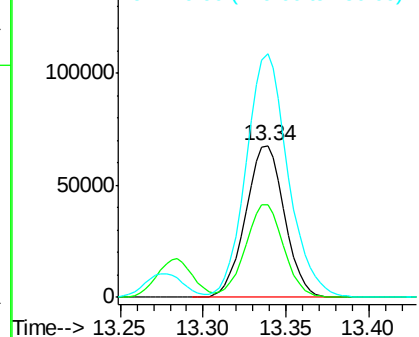


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

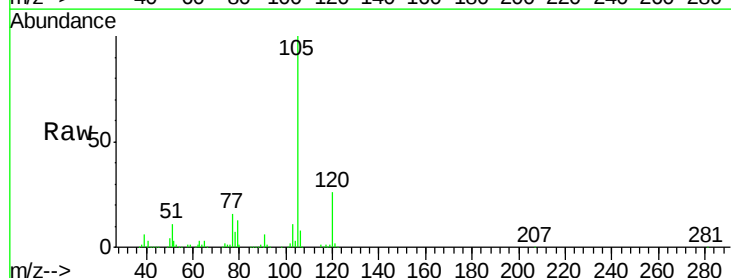
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 47.960 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

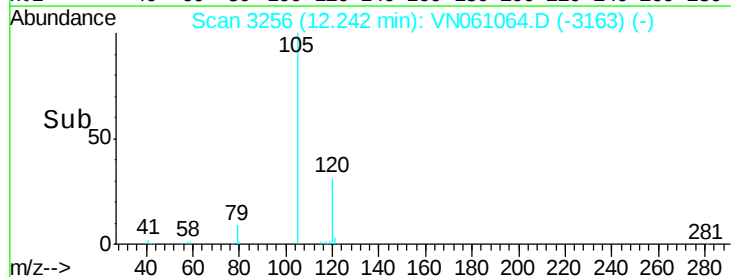
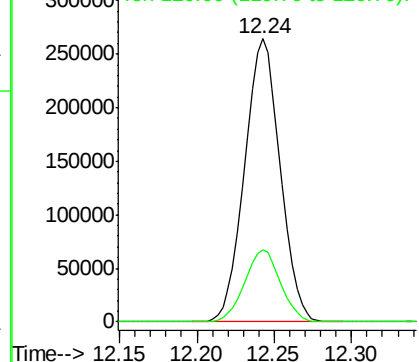
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	38.9

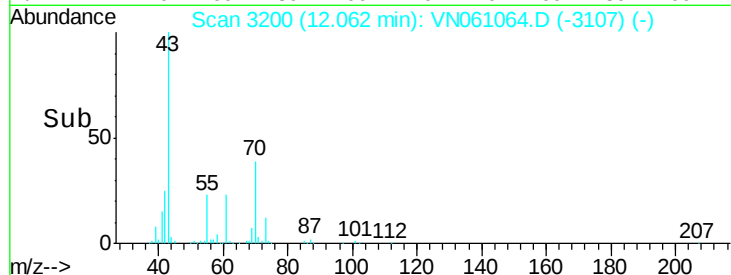
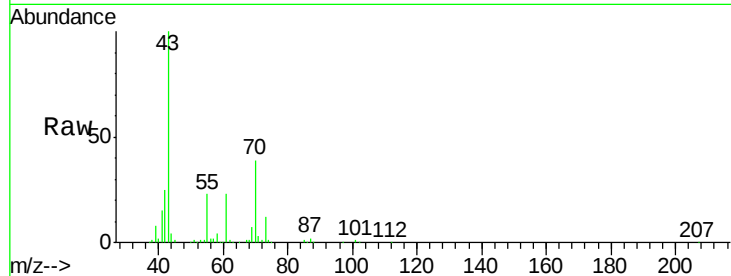
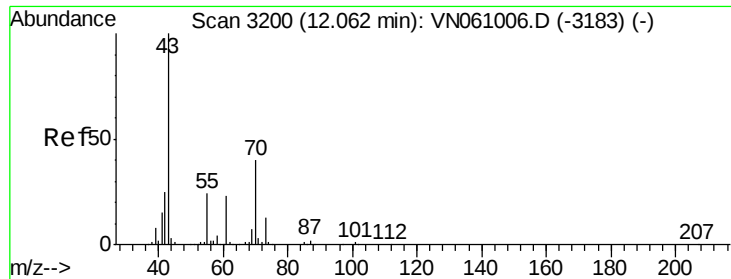


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.498 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

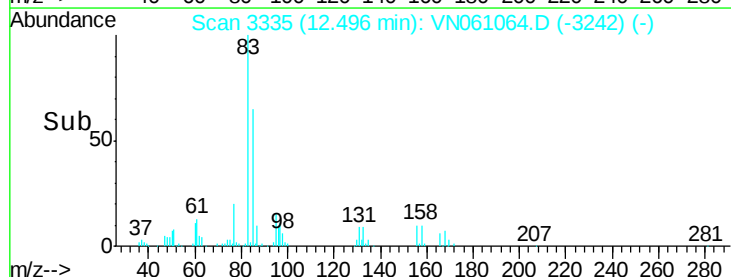
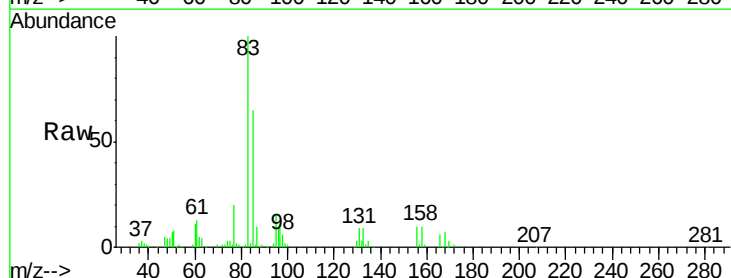
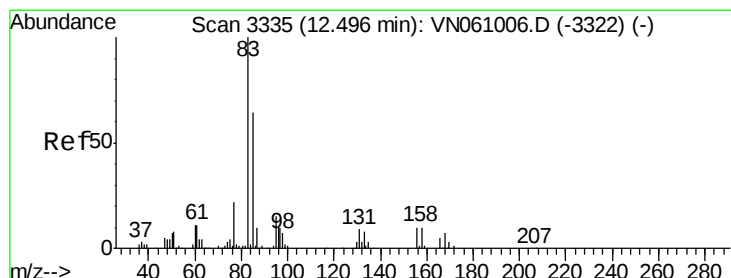
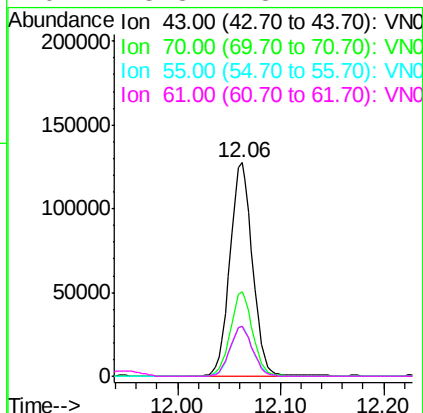
ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
70	38.9	31.0	46.6	
55	23.2	18.6	27.8	
61	23.3	18.2	27.4	

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.522 ug/l

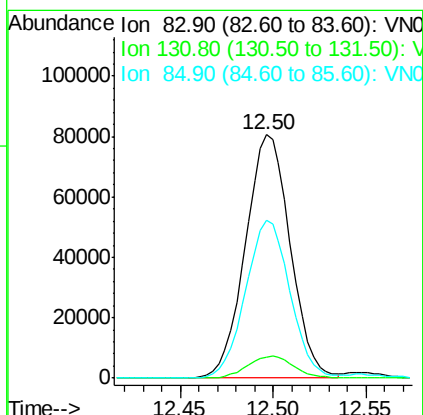
RT: 12.50 min Scan# 3335

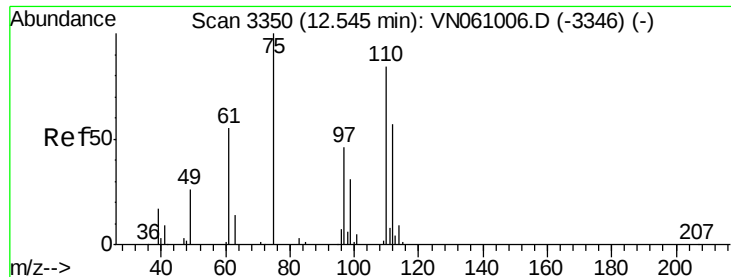
Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.2	4.8	14.3	
85	64.4	32.3	96.8	





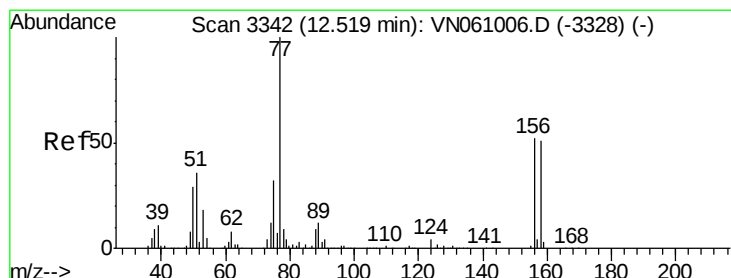
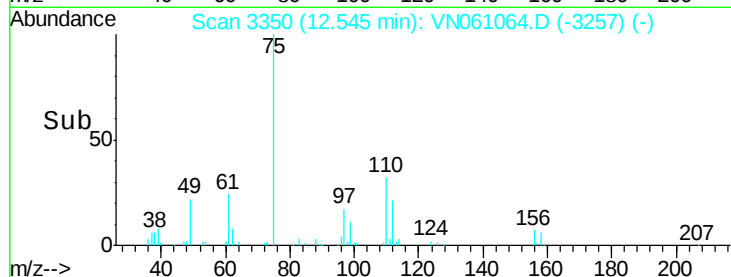
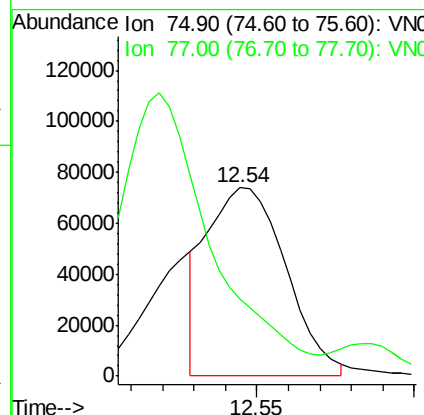
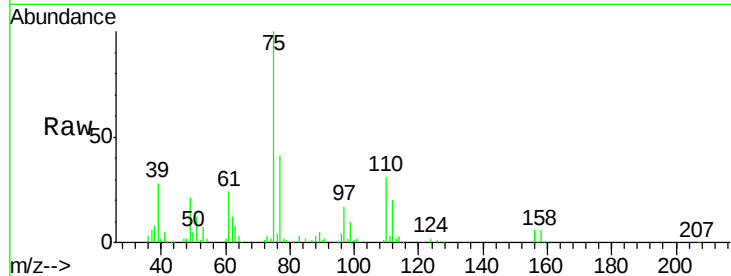
#76
 1,2,3-Trichloropropane
 Concen: 53.632 ug/l m
 RT: 12.54 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

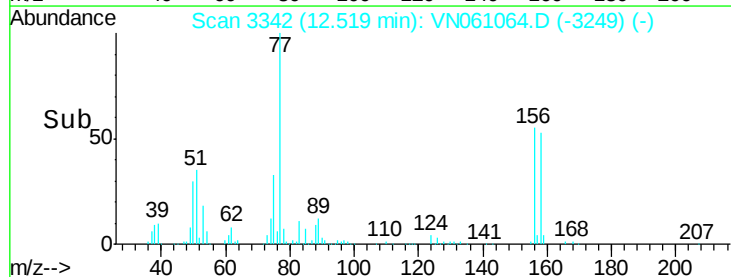
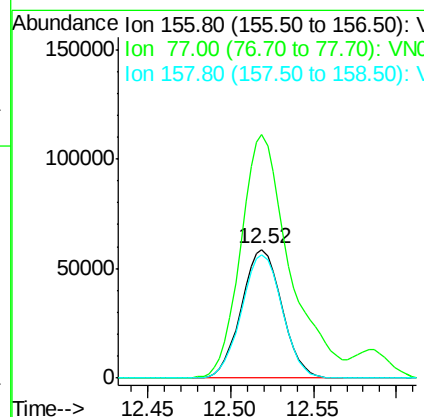
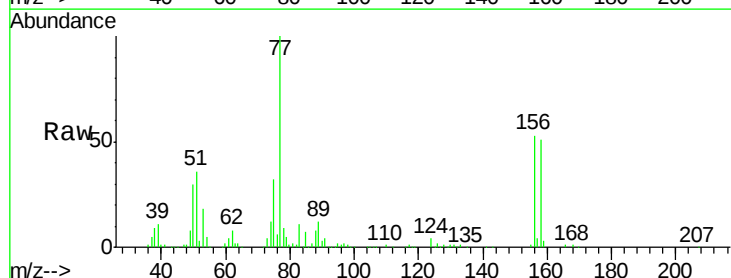
Manual Integrations
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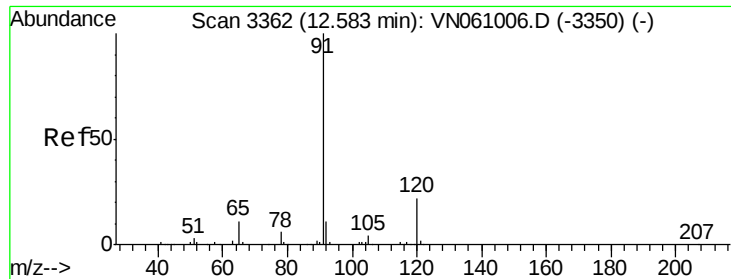
MMDadoda
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#77
 Bromobenzene
 Concen: 48.660 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
156	100		
77	229.7	115.6	346.8
158	96.7	48.9	146.6





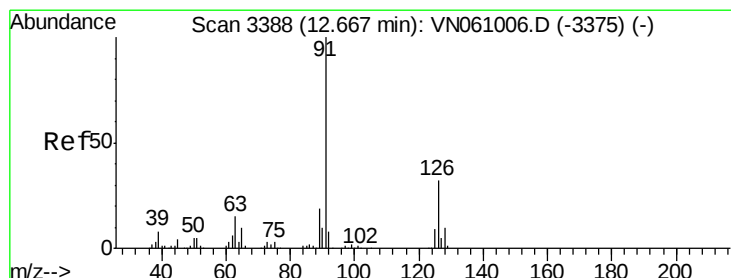
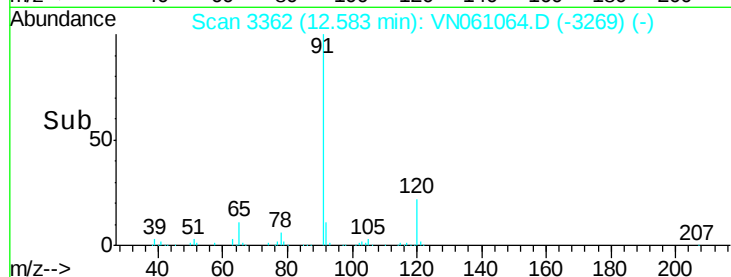
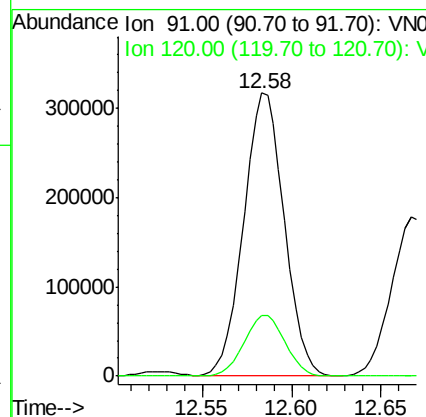
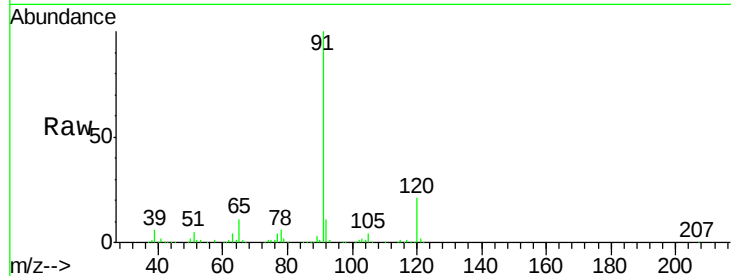
#78
n-propylbenzene
Concen: 48.777 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion: 91 Resp: 502224
Ion Ratio Lower Upper
91 100
120 21.7 10.9 32.7

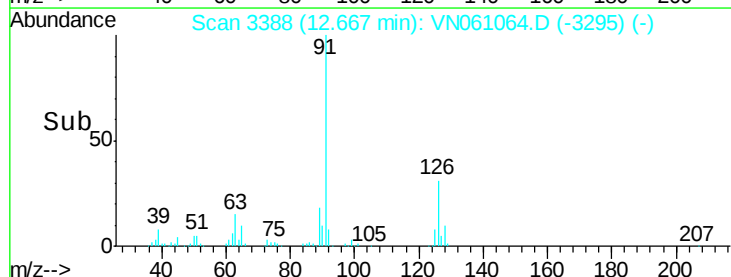
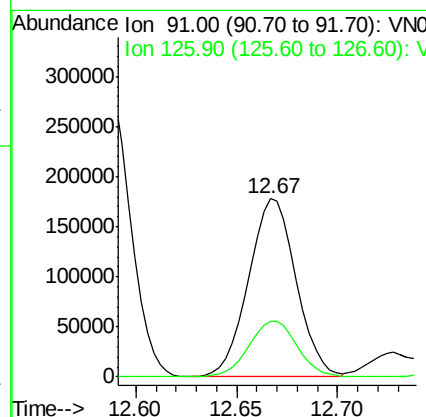
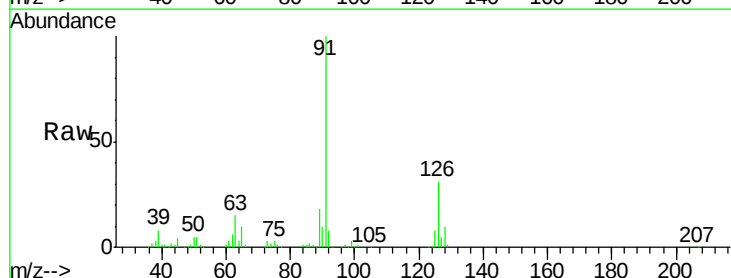
Manual Integrations
APPROVED

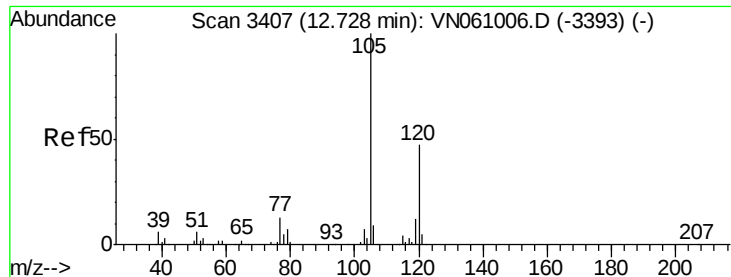
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#79
2-Chlorotoluene
Concen: 48.519 ug/l
RT: 12.67 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion: 91 Resp: 292997
Ion Ratio Lower Upper
91 100
126 31.9 16.1 48.2





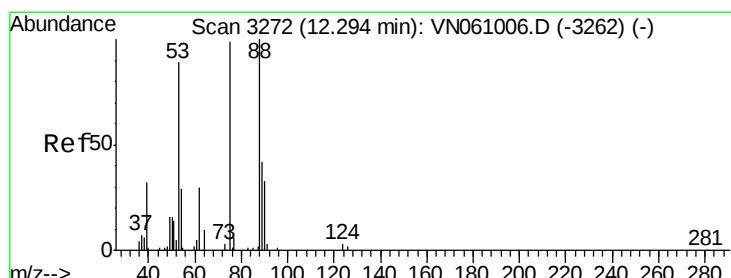
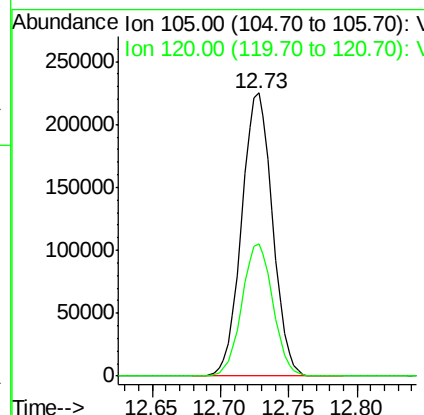
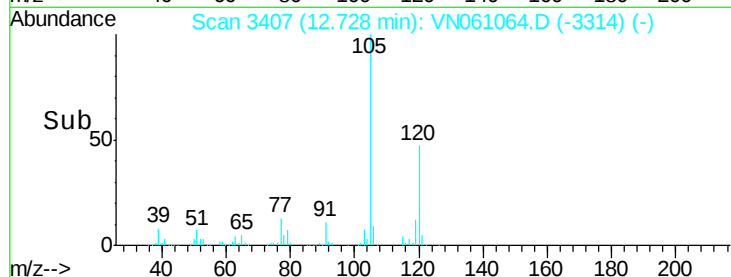
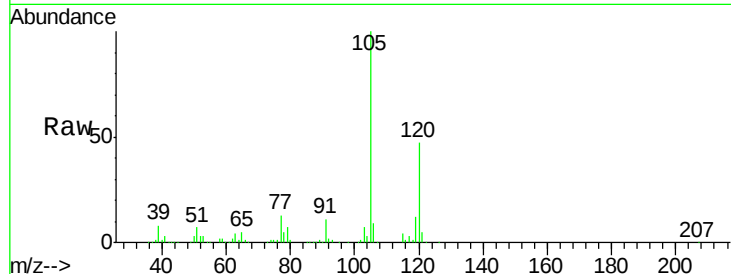
#80
 1,3,5-Trimethylbenzene
 Concen: 48.600 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.6	70.8

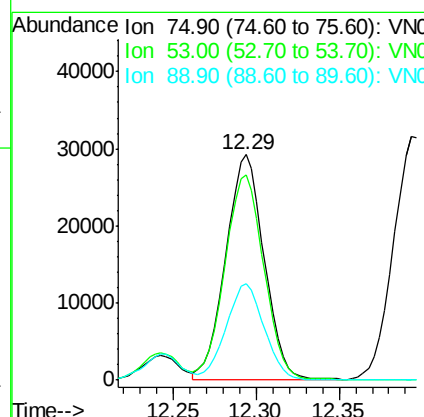
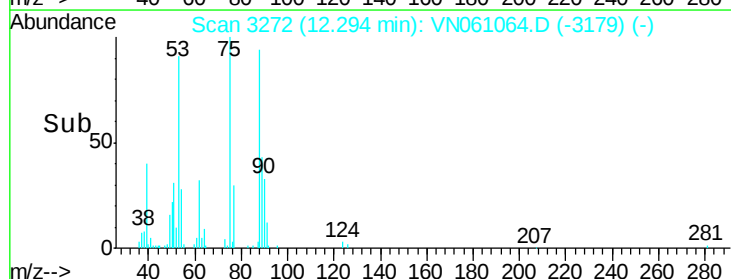
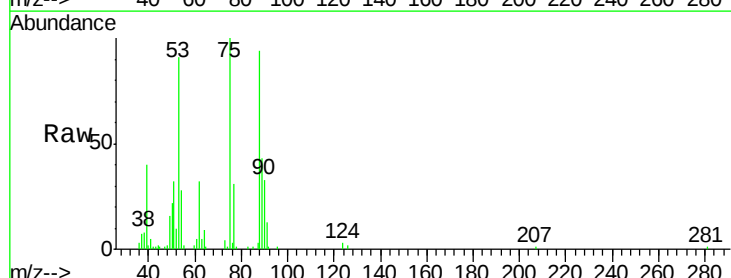
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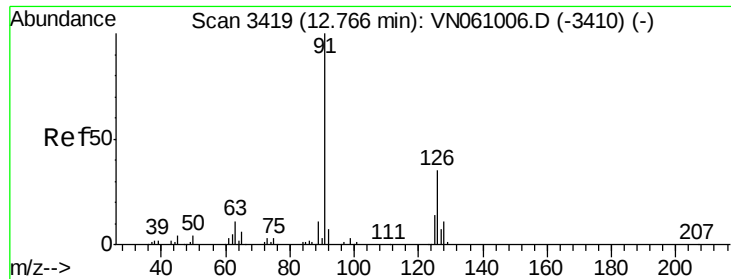
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.184 ug/l
 RT: 12.29 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
75	100		
53	92.7	74.7	112.1
89	42.3	34.6	52.0





#82

4-Chlorotoluene

Concen: 48.445 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-403-405MSD

Tot Ion: 91 Resp: 303414

Ion Ratio Lower Upper

91 100

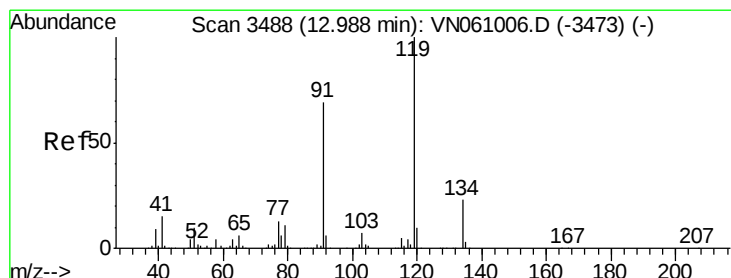
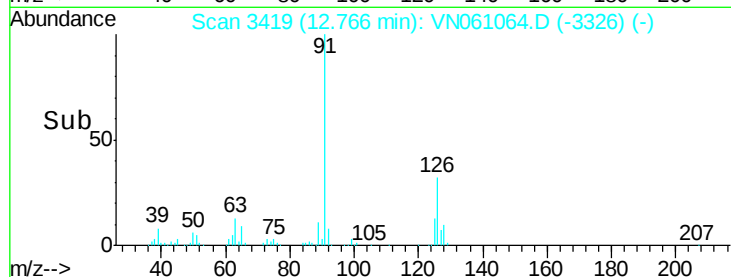
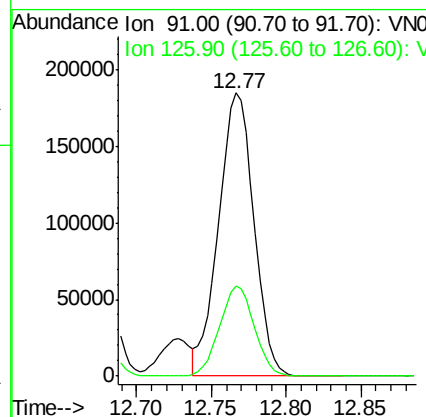
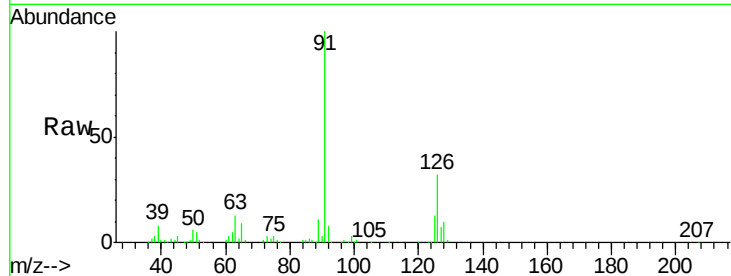
126 31.2 15.9 47.6

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#83

tert-Butylbenzene

Concen: 48.661 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

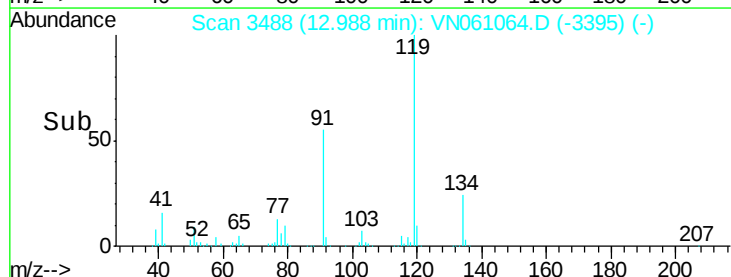
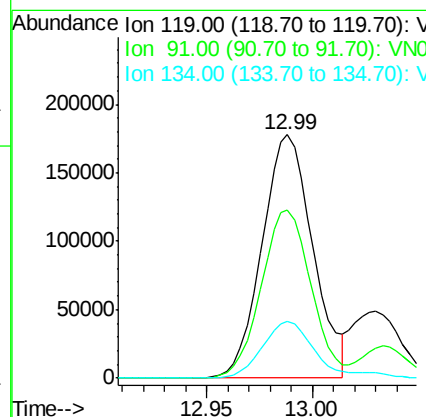
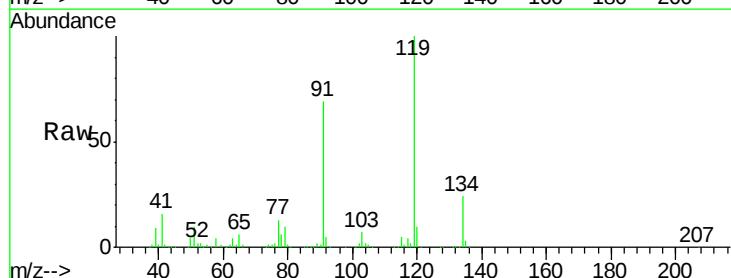
Tgt Ion: 119 Resp: 297687

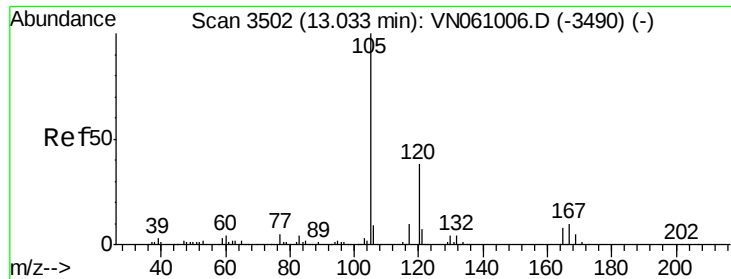
Ion Ratio Lower Upper

119 100

91 68.1 34.1 102.3

134 24.7 12.4 37.2





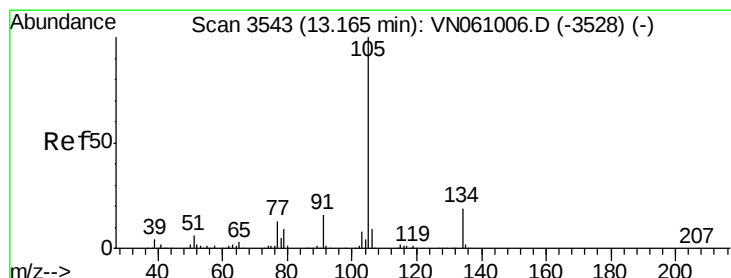
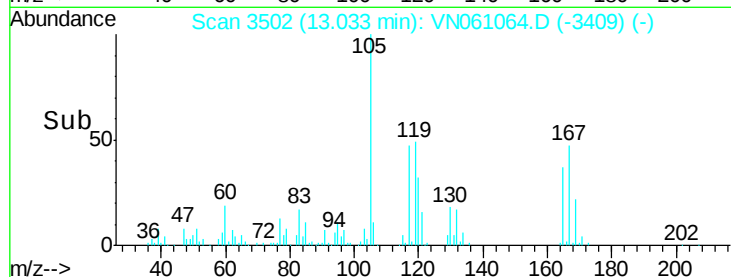
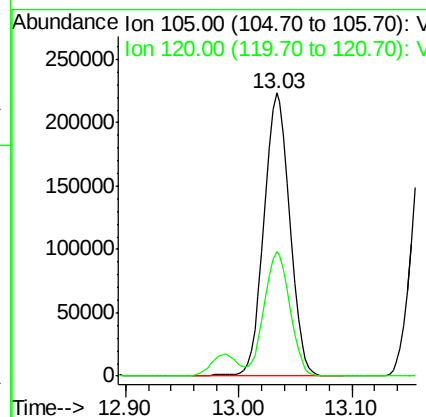
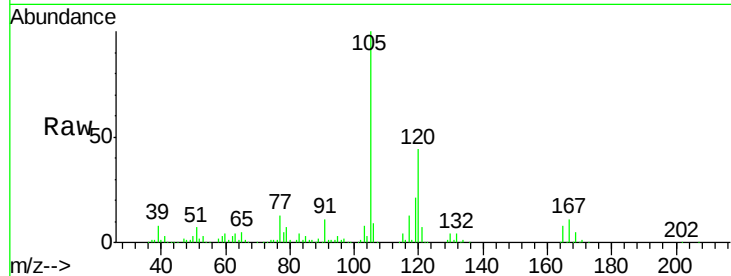
#84
 1,2,4-Trimethylbenzene
 Concen: 49.368 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5

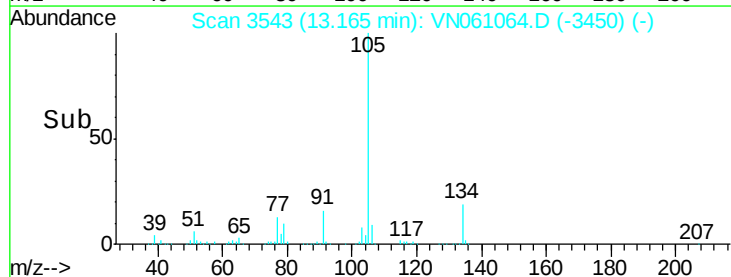
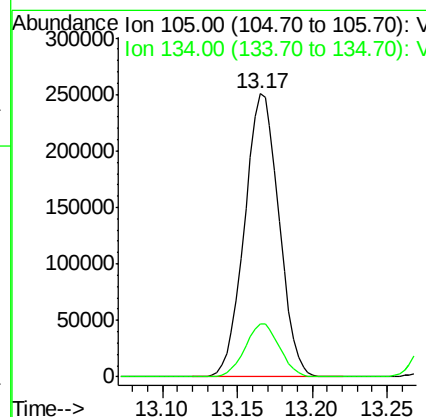
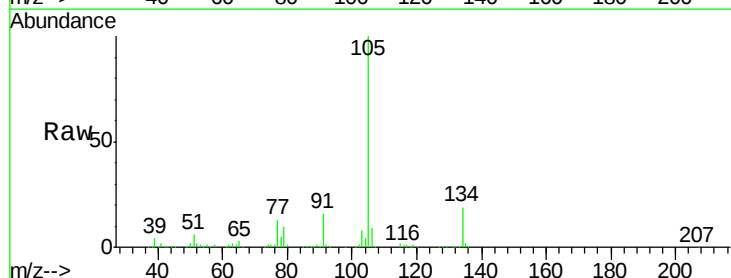
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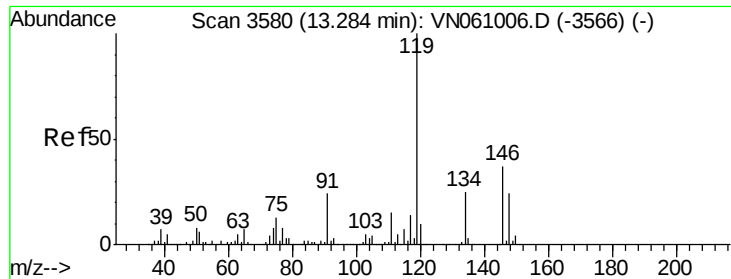
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#85
 sec-Butylbenzene
 Concen: 48.409 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.5	28.5





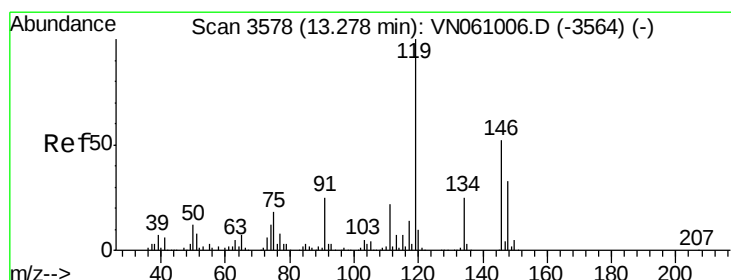
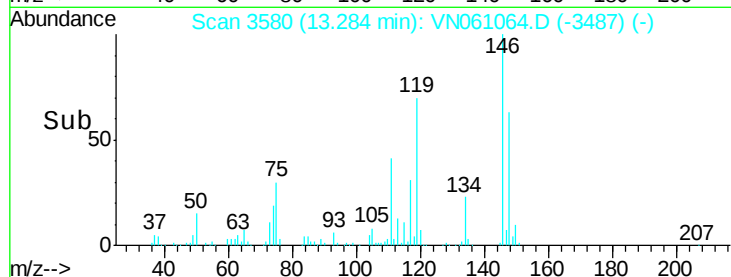
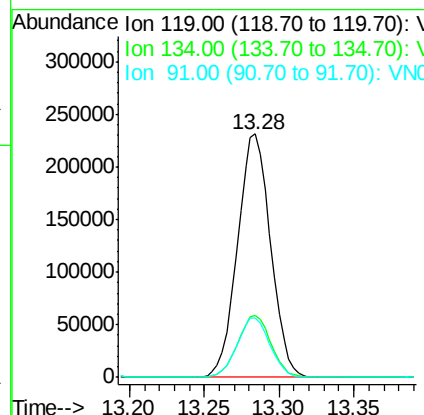
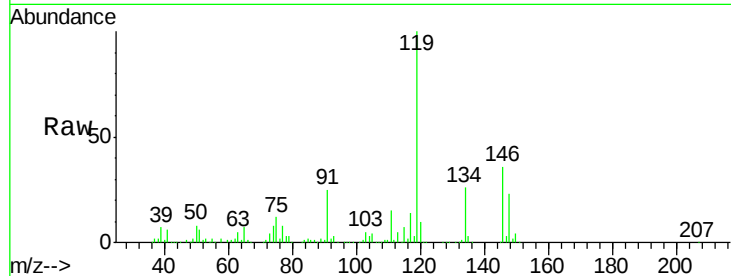
#86
 p-Isopropyltoluene
 Concen: 48.055 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	354699		
134	25.6	12.8	38.4	
91	24.4	12.3	36.8	

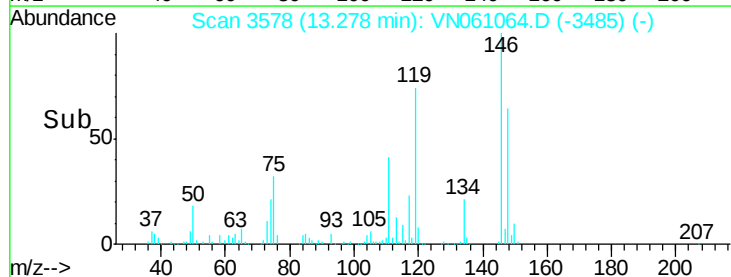
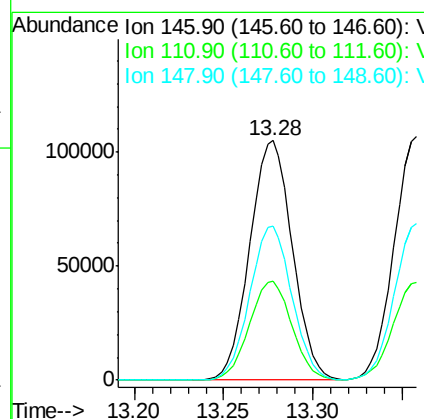
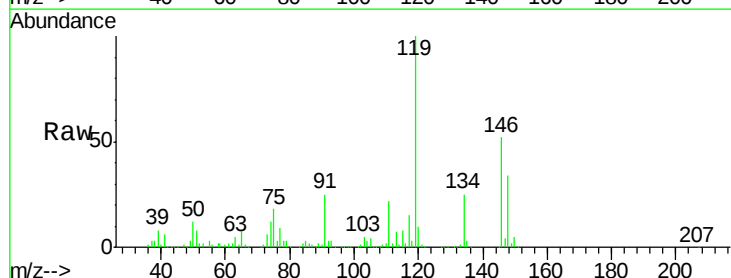
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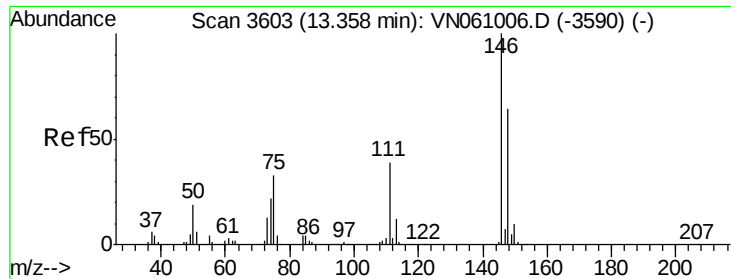
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#87
 1,3-Dichlorobenzene
 Concen: 47.971 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	175664		
111	41.3	20.6	61.8	
148	63.5	31.8	95.3	





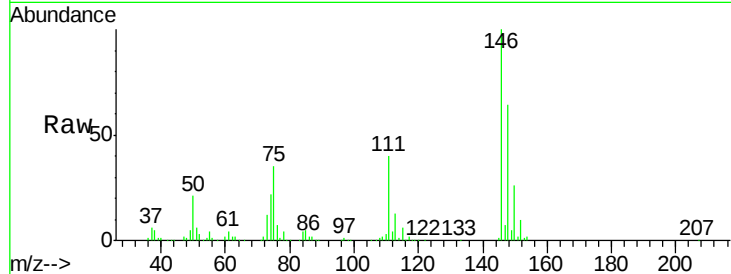
#88
 1,4-Dichlorobenzene
 Concen: 47.578 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

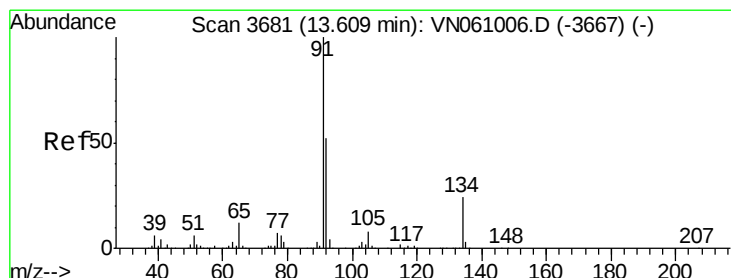
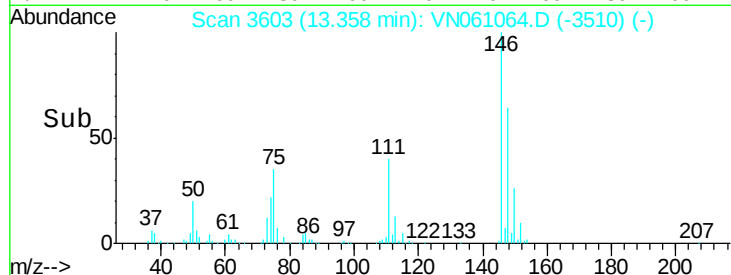
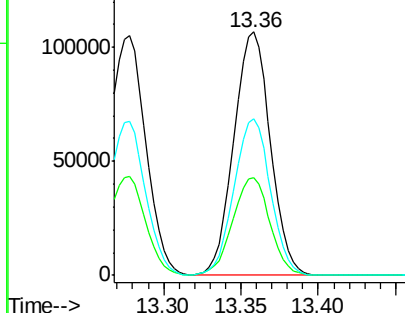
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.3
148	63.9	32.1	96.3

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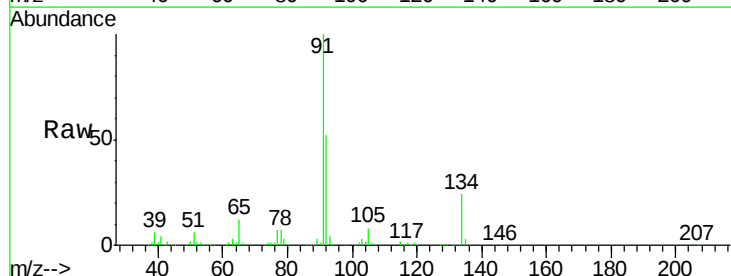


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

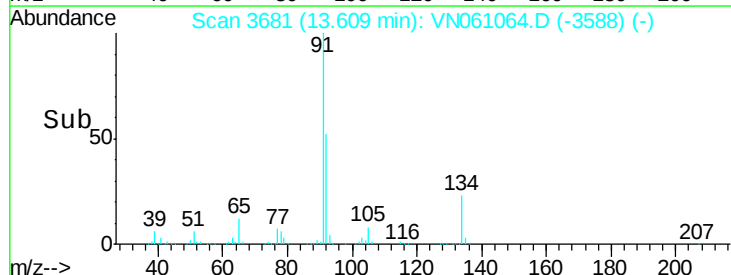
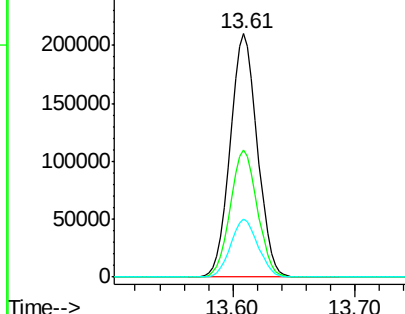


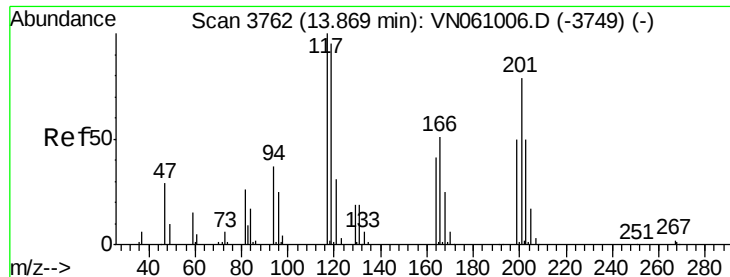
#89
 n-Butylbenzene
 Concen: 47.280 ug/l
 RT: 13.61 min Scan# 3681
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	23.9	12.3	36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 92.00 (91.70 to 92.70): VN0
 Ion 134.00 (133.70 to 134.70): V





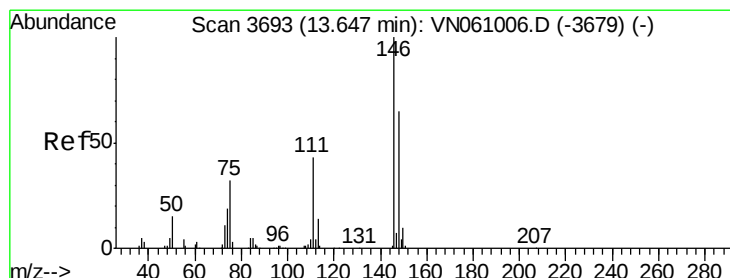
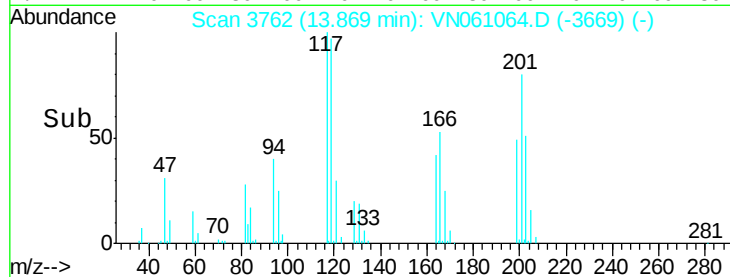
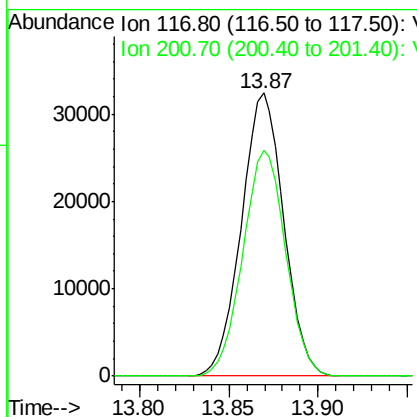
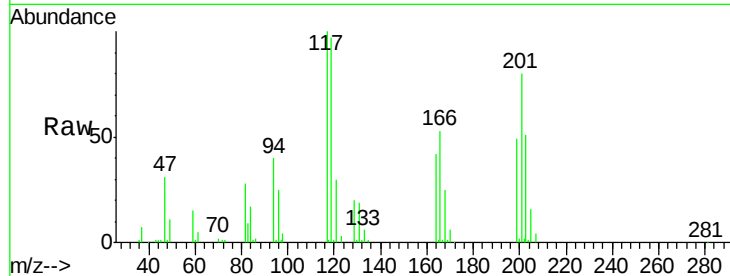
#90
Hexachloroethane
Concen: 47.489 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

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

Tot Ion:117 Resp: 53778
Ion Ratio Lower Upper
117 100
201 80.5 39.3 117.9

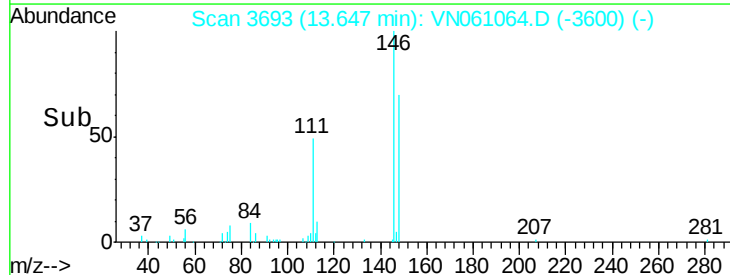
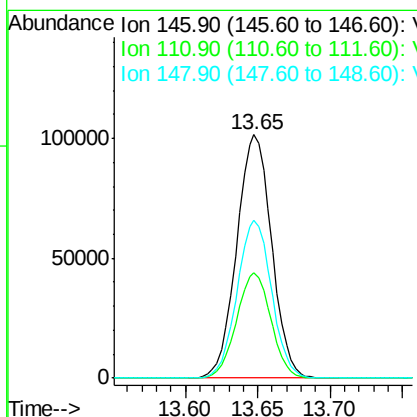
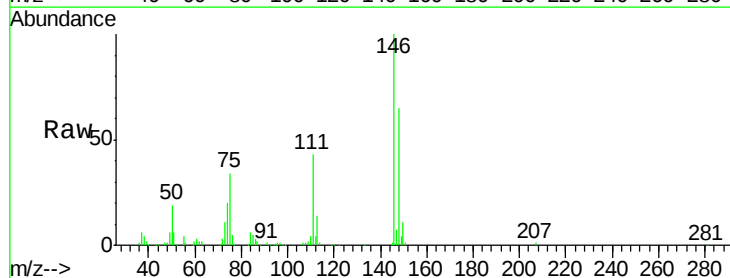
Manual Integrations
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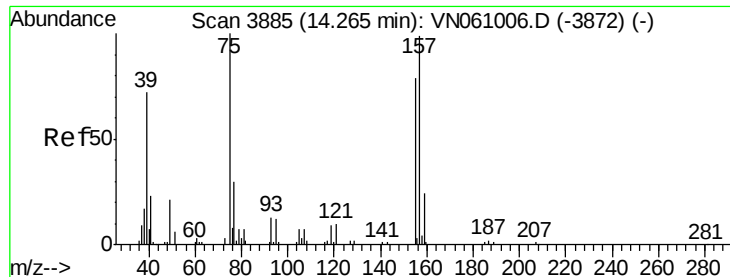
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#91
1,2-Dichlorobenzene
Concen: 48.485 ug/l
RT: 13.65 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VN061064.D
Acq: 17 Apr 2020 20:18

Tgt Ion:146 Resp: 169454
Ion Ratio Lower Upper
146 100
111 42.7 21.3 64.0
148 64.1 32.0 96.0





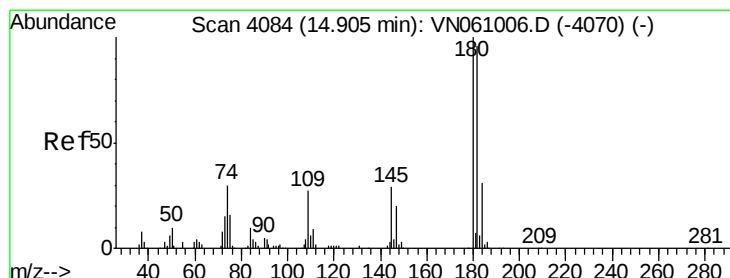
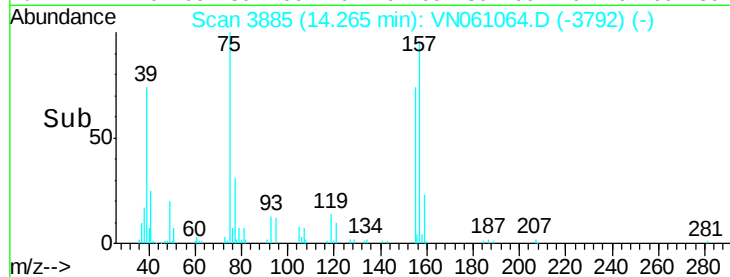
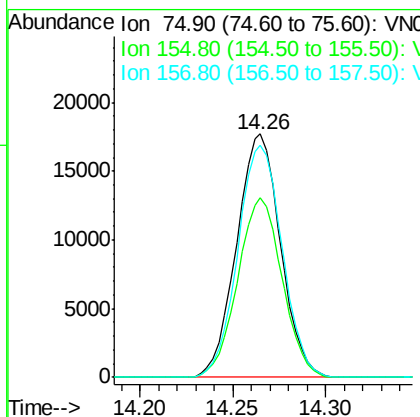
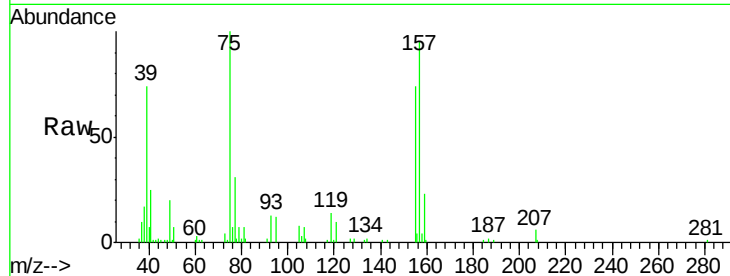
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.034 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
75	100		
155	74.5	39.5	118.5
157	96.5	50.1	150.4

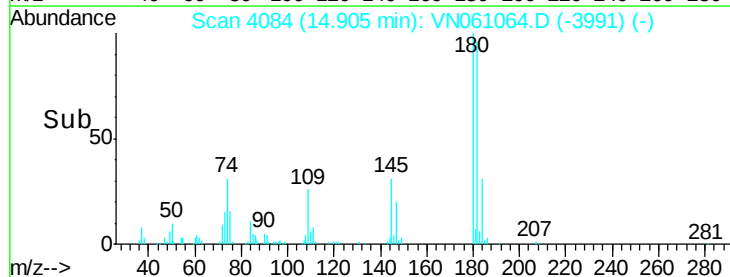
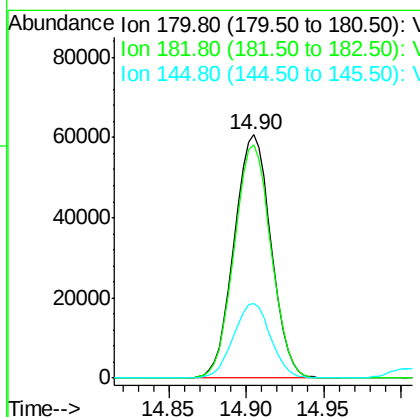
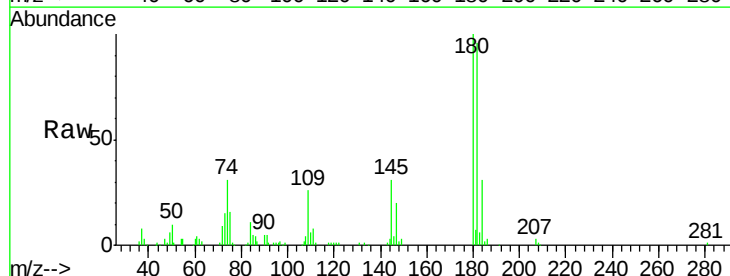
Manual Integrations
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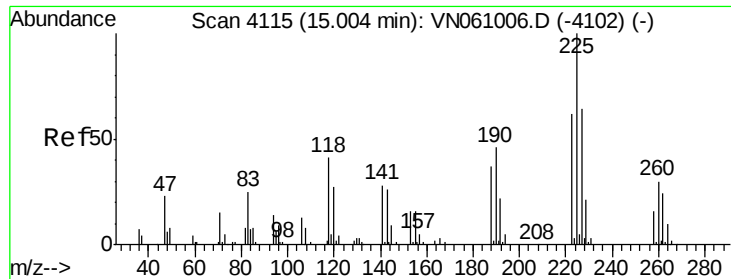
MMDadoda
 4/20/2020 10:21:09 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 48.595 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	30.9	15.3	45.8





#94

Hexachlorobutadiene

Concen: 42.966 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN061064.D

Acq: 17 Apr 2020 20:18

Instrument :

MSVOA_N

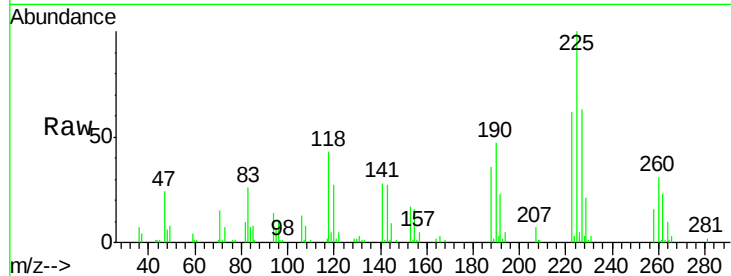
ClientSampleId :

BP-VPB180-GW-403-405MSD

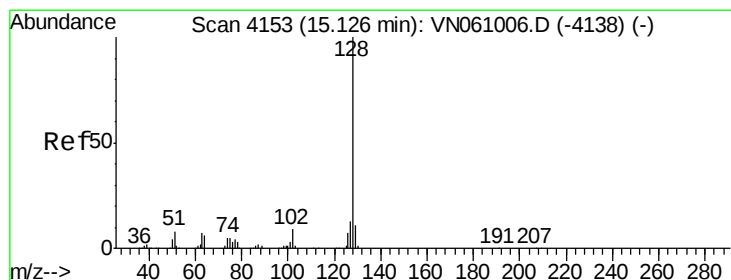
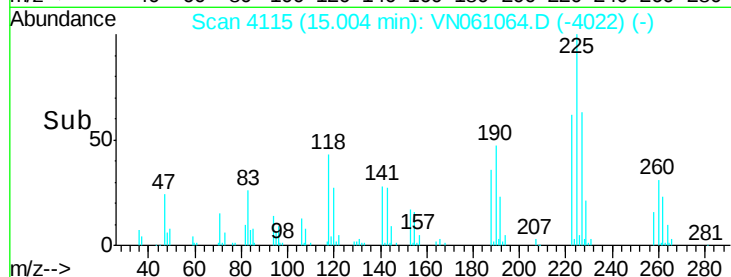
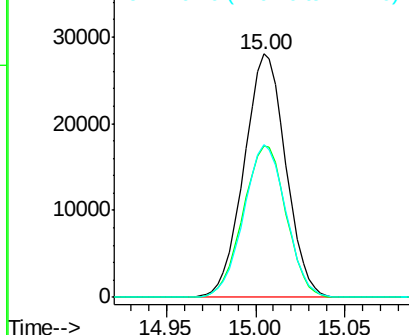
Tot Ion:	225	Resp:	45723
Ion Ratio		Lower	Upper
225	100		
223	64.1	31.3	93.8
227	63.7	31.9	95.5

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 52.904 ug/l

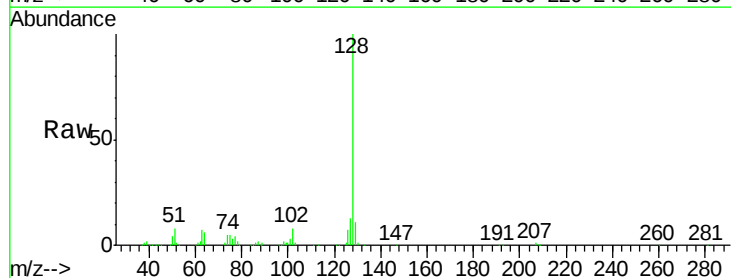
RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

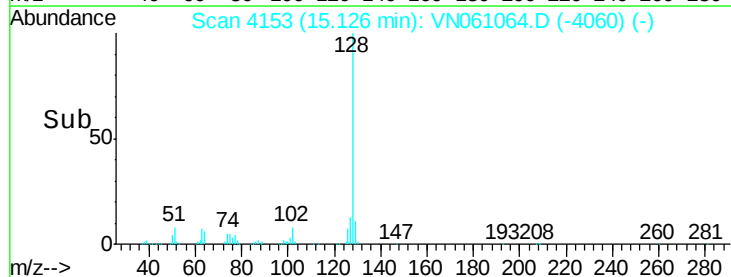
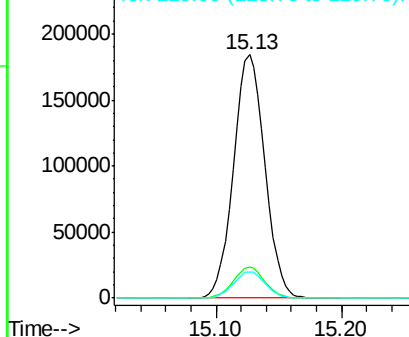
Lab File: VN061064.D

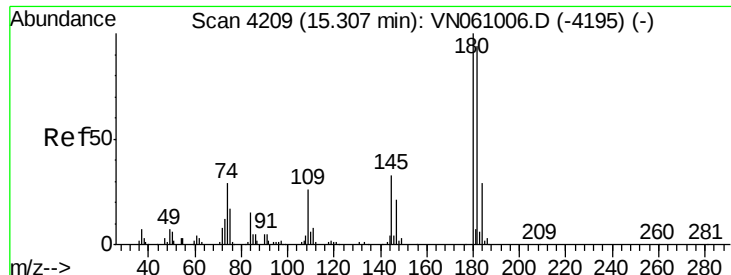
Acq: 17 Apr 2020 20:18

Tgt Ion:	128	Resp:	319163
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





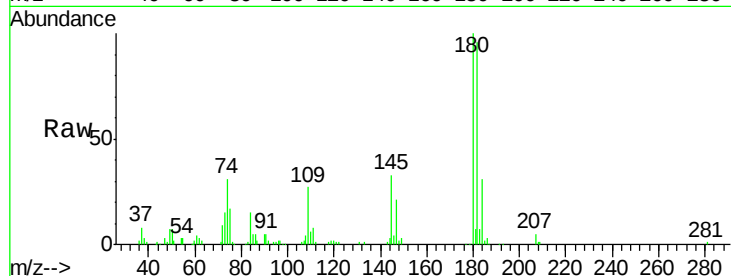
#96
 1,2,3-Trichlorobenzene
 Concen: 49.071 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. 0.00 min
 Lab File: VN061064.D
 Acq: 17 Apr 2020 20:18

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.8
145	33.2	16.4	49.2

Manual Integrations
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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

