

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061088.D
 Acq On : 18 Apr 2020 6:08
 Operator : JC/MD
 Sample : L2338-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:07:19 AM

Quant Time: Apr 20 07:22:13 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	137900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	243256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	226074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	106488	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	89656	50.82	ug/l	0.00
Spiked Amount						
			Recovery	=	101.64%	
35) Dibromofluoromethane	7.56	113	68415	48.16	ug/l	0.00
Spiked Amount						
			Recovery	=	96.32%	
50) Toluene-d8	10.08	98	249652	46.51	ug/l	0.00
Spiked Amount						
			Recovery	=	93.02%	
62) 4-Bromofluorobenzene	12.39	95	100695	47.86	ug/l	0.00
Spiked Amount						
			Recovery	=	95.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	88598	48.619	ug/l	100
3) Chloromethane	2.04	50	125159	51.173	ug/l	99
4) Vinyl Chloride	2.17	62	105779	52.044	ug/l	99
5) Bromomethane	2.54	94	51000	50.036	ug/l	98
6) Chloroethane	2.68	64	63760	54.381	ug/l	100
7) Trichlorofluoromethane	3.00	101	134073	52.985	ug/l	99
8) Diethyl Ether	3.38	74	52872	52.572	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72241	48.661	ug/l	99
10) Methyl Iodide	3.93	142	70820	54.074	ug/l	99
11) Tert butyl alcohol	4.72	59	81796	261.295	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	78425	51.969	ug/l	99
13) Acrolein	3.57	56	54871	207.598	ug/l	97
14) Allyl chloride	4.29	41	136659	47.862	ug/l	99
15) Acrylonitrile	4.94	53	236224	278.313	ug/l	100
16) Acetone	3.78	43	196953	253.617	ug/l	98
17) Carbon Disulfide	4.03	76	234939	49.753	ug/l	99
18) Methyl Acetate	4.28	43	112463	46.183	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	275968	52.447	ug/l	98
20) Methylene Chloride	4.52	84	88864	52.411	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	85382	52.899	ug/l	97
22) Diisopropyl ether	5.91	45	311942	52.603	ug/l	97
23) Vinyl Acetate	5.86	43	1005111	216.144	ug/l	100
24) 1,1-Dichloroethane	5.82	63	168339	52.560	ug/l	99
25) 2-Butanone	6.80	43	318330	267.504	ug/l	99
26) 2,2-Dichloropropane	6.79	77	100019	37.506	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	96729	52.200	ug/l	97
28) Bromochloromethane	7.17	49	78579	53.449	ug/l	100
29) Tetrahydrofuran	7.18	42	219434	271.618	ug/l	100
30) Chloroform	7.35	83	158485	53.052	ug/l	99
31) Cyclohexane	7.63	56	158148	48.119	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	136236	52.723	ug/l	99
36) 1,1-Dichloropropene	7.77	75	124184	49.472	ug/l	99
37) Ethyl Acetate	6.89	43	116595	42.777	ug/l	100
38) Carbon Tetrachloride	7.75	117	109619	52.464	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	138824	46.258	ug/l	99
40) Benzene	8.02	78	373377	50.139	ug/l	99
41) Methacrylonitrile	7.15	41	65512m	57.625	ug/l	
42) 1,2-Dichloroethane	8.10	62	131001	51.640	ug/l	99
43) Isopropyl Acetate	8.14	43	205148	46.278	ug/l	99
44) Trichloroethene	8.81	130	91421	48.857	ug/l	100
45) 1,2-Dichloropropane	9.10	63	101249	50.337	ug/l	99
46) Dibromomethane	9.19	93	61042	52.636	ug/l	99
47) Bromodichloromethane	9.38	83	125496	51.225	ug/l	97
48) Methyl methacrylate	9.18	41	102135	52.136	ug/l	98
49) 1,4-Dioxane	9.18	88	25992	956.157	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	679556	265.925	ug/l	100
52) Toluene	10.14	92	224749	50.308	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	138997	48.843	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	146010	47.024	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	87525	51.770	ug/l	97
56) Ethyl methacrylate	10.42	69	139000	52.285	ug/l	98
57) 1,3-Dichloropropane	10.69	76	153988	51.064	ug/l	99
59) 2-Hexanone	10.74	43	494266	268.195	ug/l	100
60) Dibromochloromethane	10.89	129	92773	53.419	ug/l	99
61) 1,2-Dibromoethane	10.99	107	89646	52.037	ug/l	99
64) Tetrachloroethene	10.62	164	86930	50.250	ug/l	99
65) Chlorobenzene	11.42	112	228401	48.940	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	83047	49.738	ug/l	99
67) Ethyl Benzene	11.50	91	428848	48.850	ug/l	99
68) m/p-Xylenes	11.61	106	313260	98.737	ug/l	99
69) o-Xylene	11.94	106	150079	49.199	ug/l	99
70) Stvrene	11.96	104	250426	50.994	ug/l	99
71) Bromoform	12.12	173	65400	52.474	ug/l #	99
73) Isopropylbenzene	12.24	105	402177	47.141	ug/l	100
74) N-amyl acetate	12.06	43	162788	41.032	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	129571	49.754	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	111906m	47.776	ug/l	
77) Bromobenzene	12.52	156	95756	48.073	ug/l	99
78) n-propylbenzene	12.58	91	478047	47.894	ug/l	100
79) 2-Chlorotoluene	12.67	91	282015	48.174	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	337977	47.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	40390	42.533	ug/l	98
82) 4-Chlorotoluene	12.77	91	291908	48.079	ug/l	99
83) tert-Butylbenzene	12.99	119	284686	48.005	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	337221	48.379	ug/l	100
85) sec-Butylbenzene	13.17	105	384435	47.843	ug/l	99
86) p-Isopropyltoluene	13.28	119	336446	47.021	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	169765	47.823	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	168611	47.213	ug/l	100
89) n-Butylbenzene	13.61	91	303472	45.609	ug/l	100
90) Hexachloroethane	13.87	117	53282	48.536	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	165236	48.770	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	26448	52.475	ug/l	98
93) 1,2,4-Trichlorobenzene	14.90	180	96876	48.309	ug/l	100

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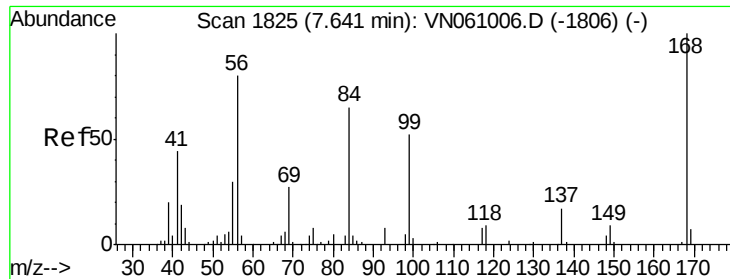
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	44798	43.425	ug/l	100
95) Naphthalene	15.13	128	296961	50.777	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	95057	49.188	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:168 Resp: 137900

Ion Ratio Lower Upper

168 100

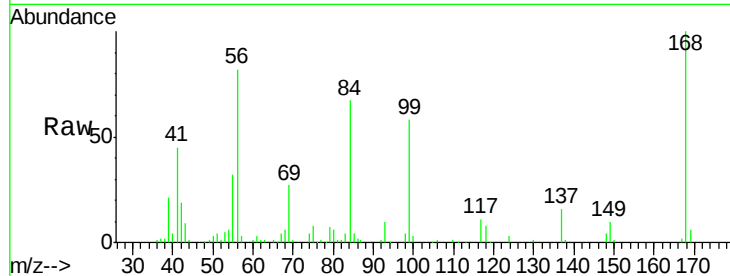
99 57.8 47.4 71.2

Manual Integrations

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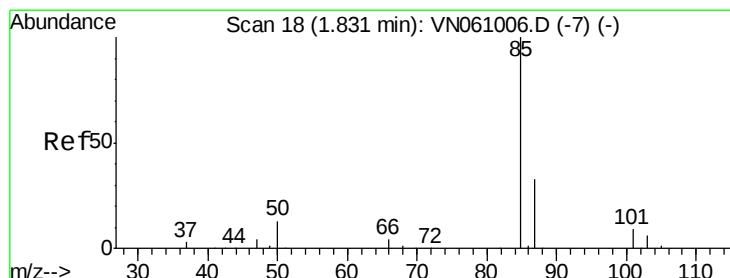
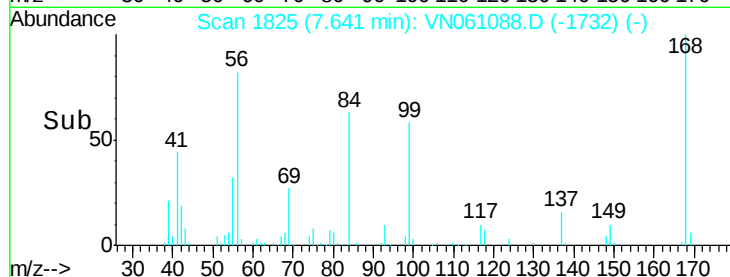
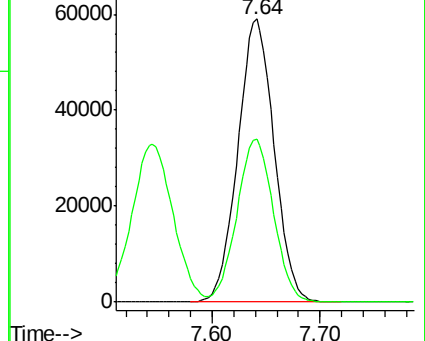
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 48.619 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061088.D

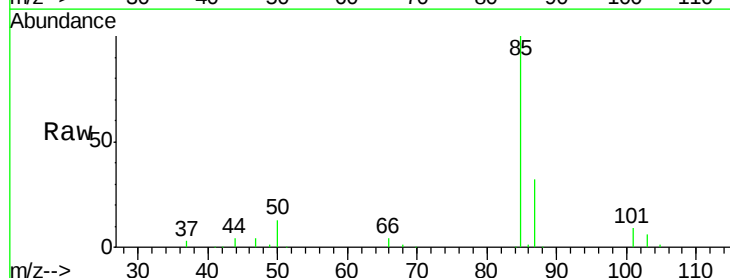
Acq: 18 Apr 2020 6:08

Tgt Ion: 85 Resp: 88598

Ion Ratio Lower Upper

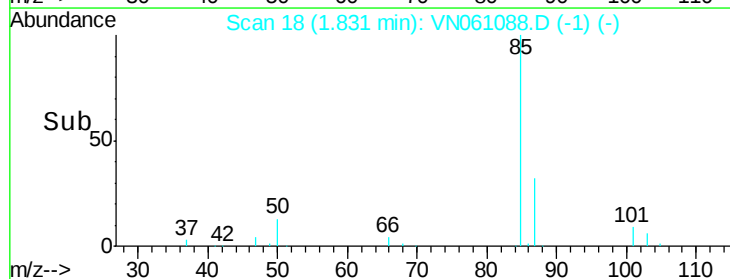
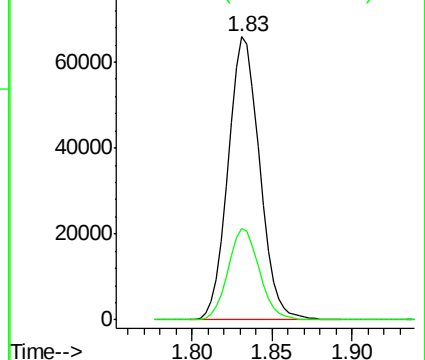
85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





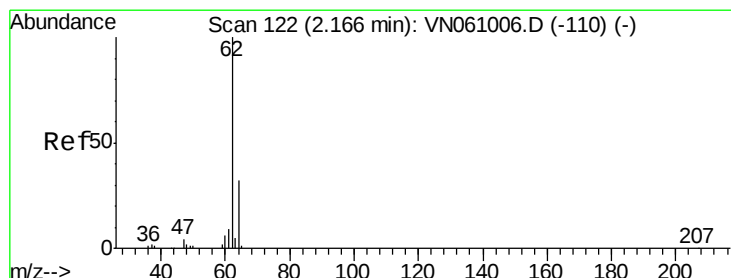
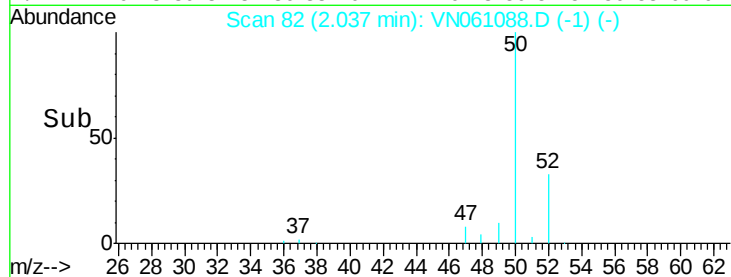
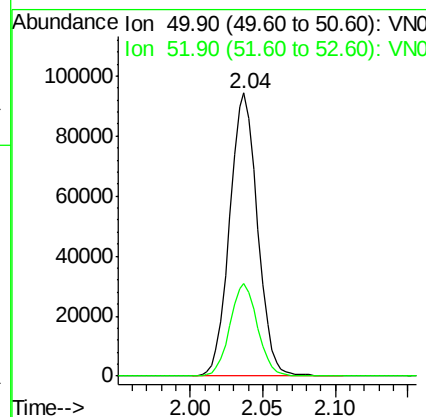
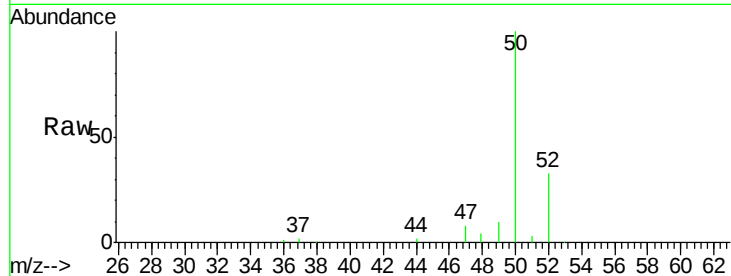
#3
Chloromethane
Concen: 51.173 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.6	38.4

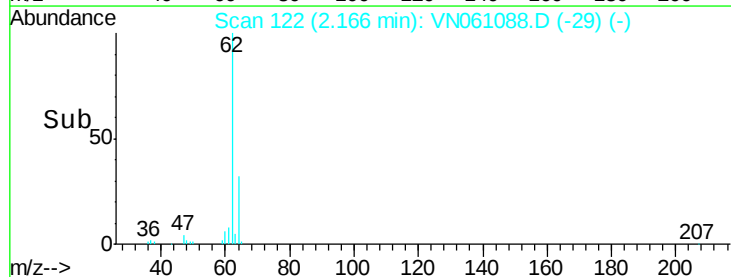
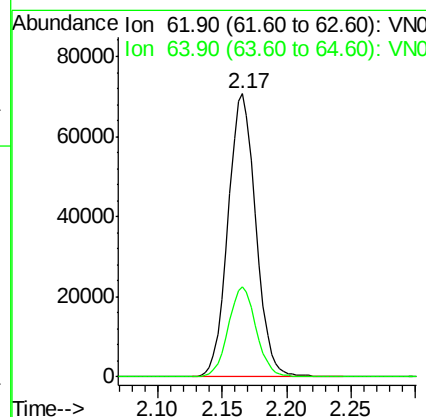
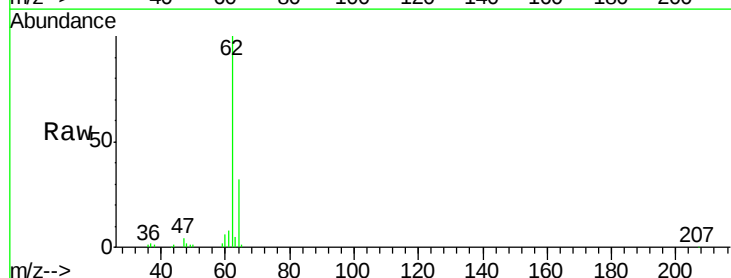
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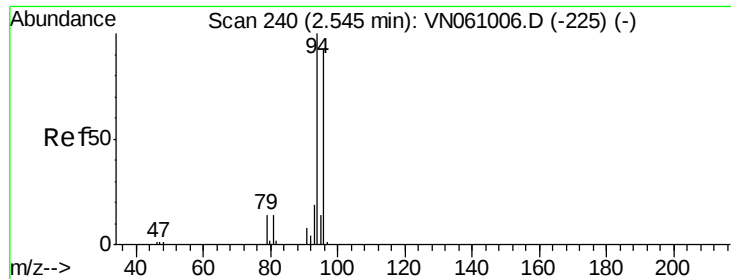
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#4
Vinyl Chloride
Concen: 52.044 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.4	38.0





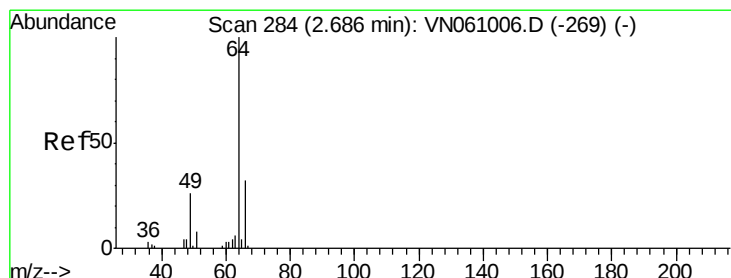
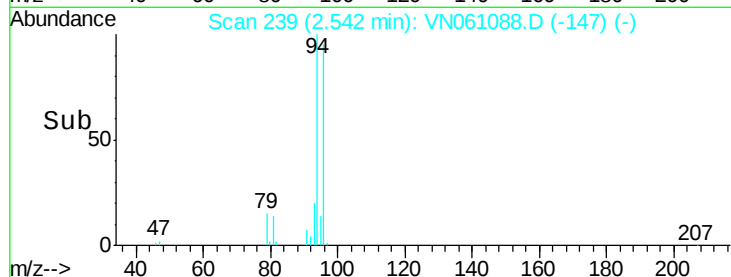
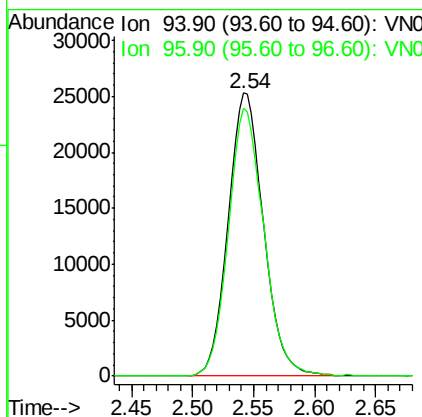
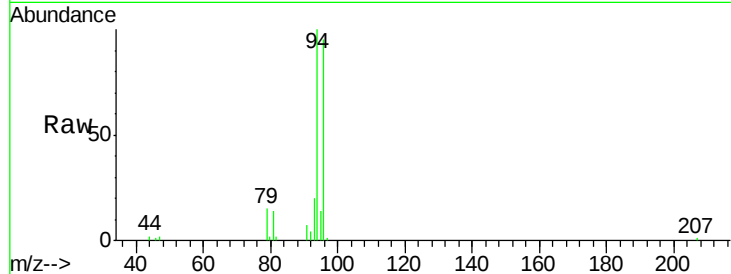
#5
Bromomethane
Concen: 50.036 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
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BP-HN-24S-20200414MS

Tot Ion: 94 Resp: 51000
Ion Ratio Lower Upper
94 100
96 94.7 74.3 111.5

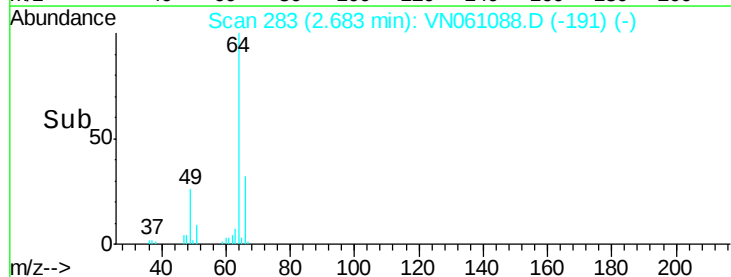
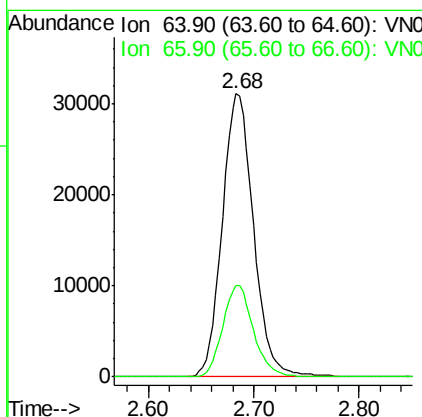
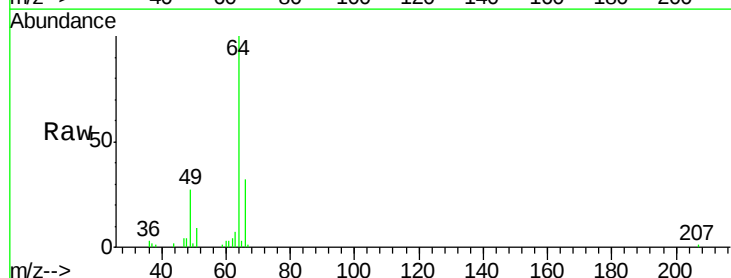
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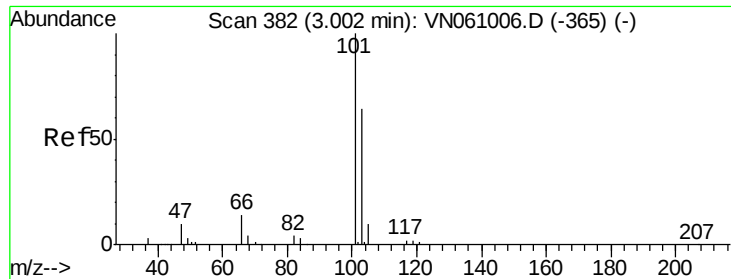
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#6
Chloroethane
Concen: 54.381 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 64 Resp: 63760
Ion Ratio Lower Upper
64 100
66 32.1 25.8 38.8





#7

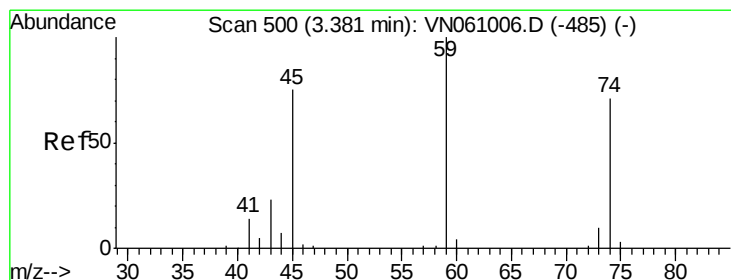
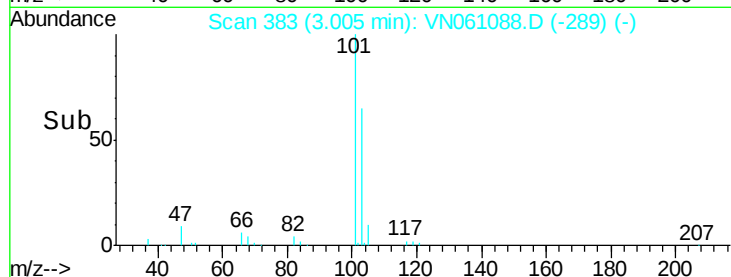
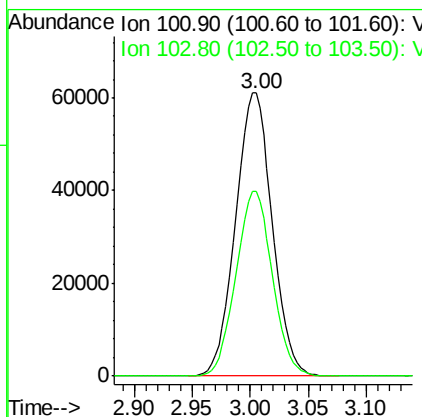
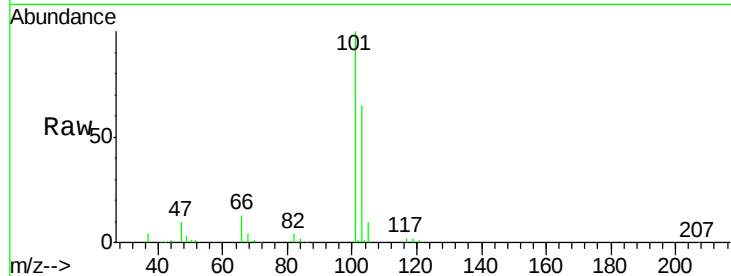
Trichlorofluoromethane
Concen: 52.985 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
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ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.4	77.2

Manual Integrations
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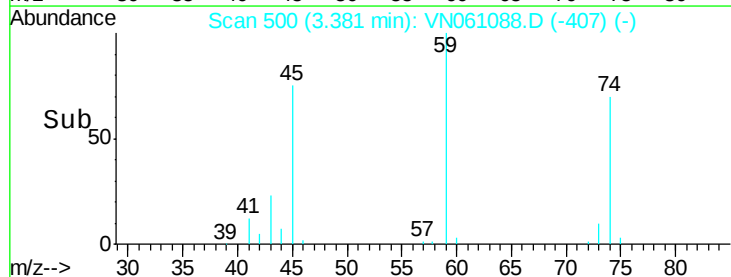
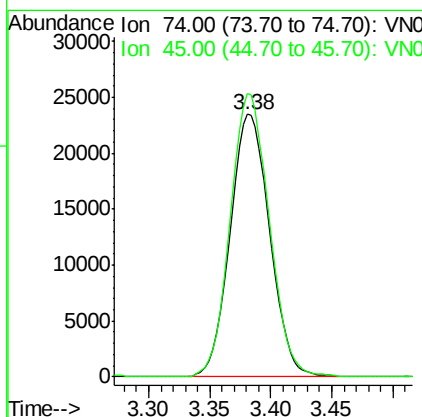
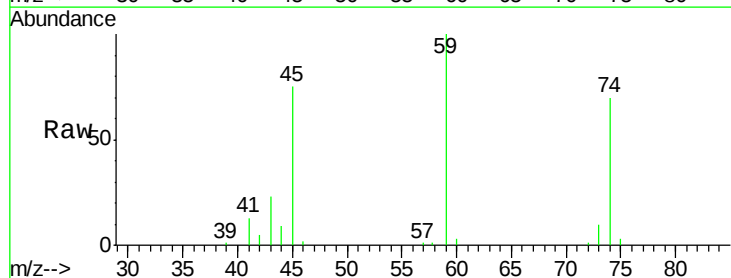
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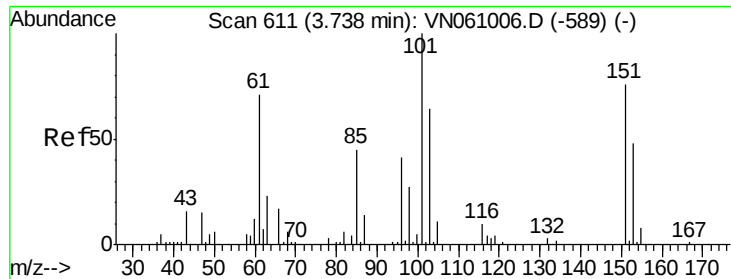


#8

Diethyl Ether
Concen: 52.572 ug/l
RT: 3.38 min Scan# 500
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.661 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

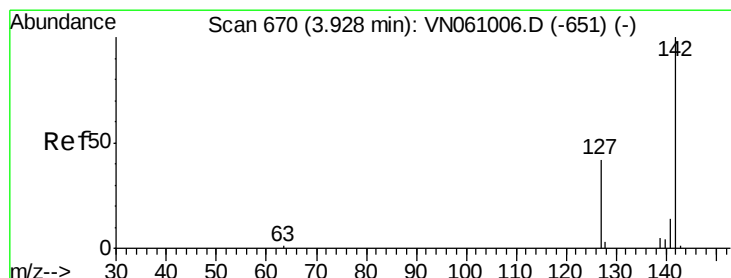
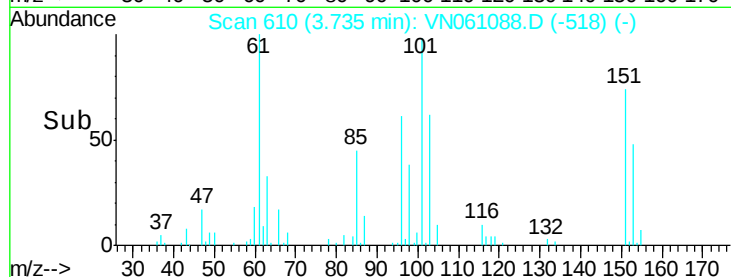
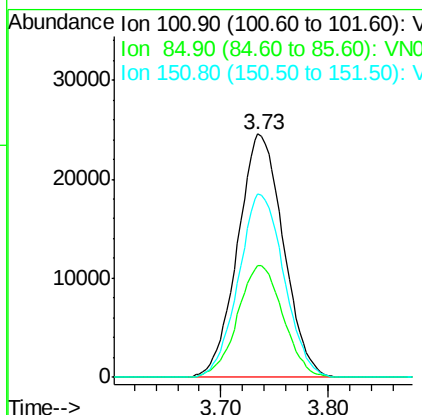
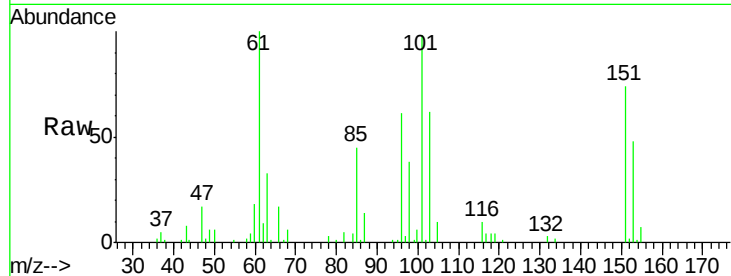
ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:	101	Resp:	72241
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.9	53.9
151	75.1	60.8	91.2

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#10

Methyl Iodide

Concen: 54.074 ug/l

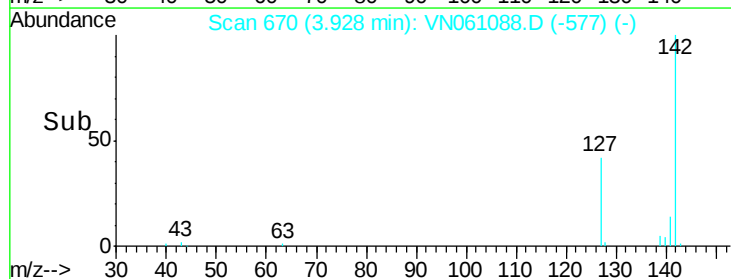
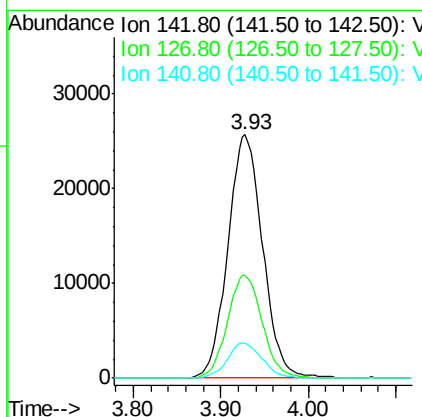
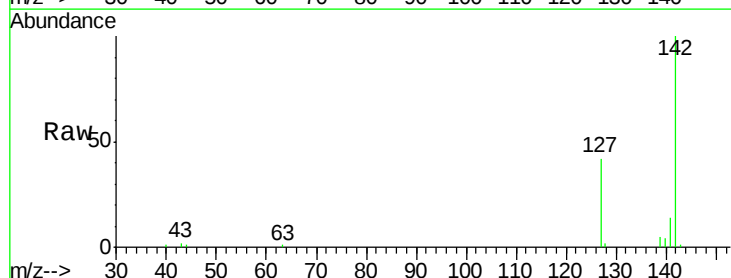
RT: 3.93 min Scan# 670

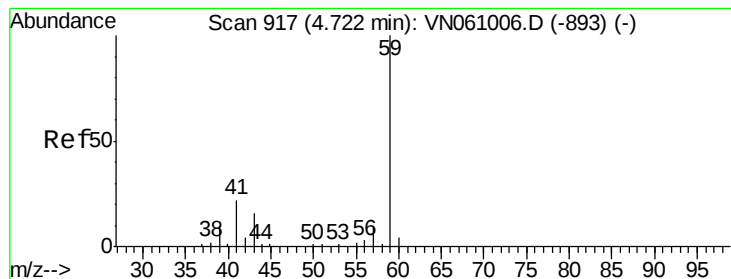
Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion:	142	Resp:	70820
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.4	50.2
141	14.3	11.0	16.6





#11

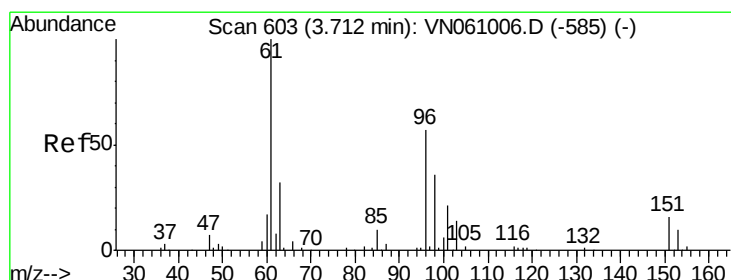
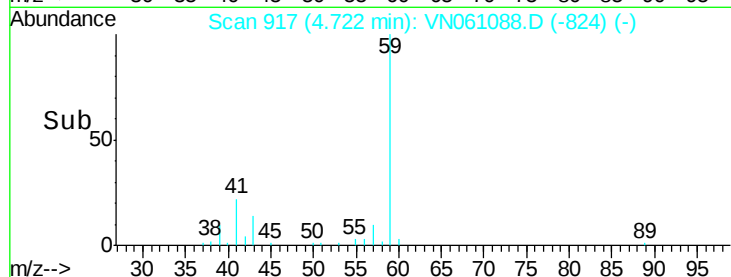
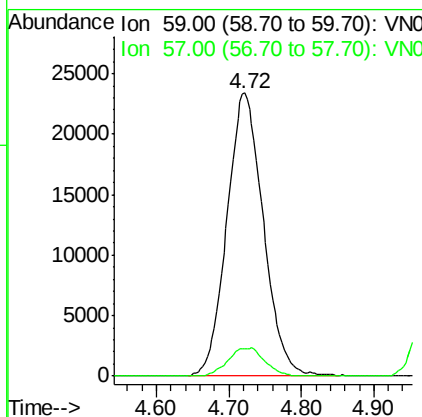
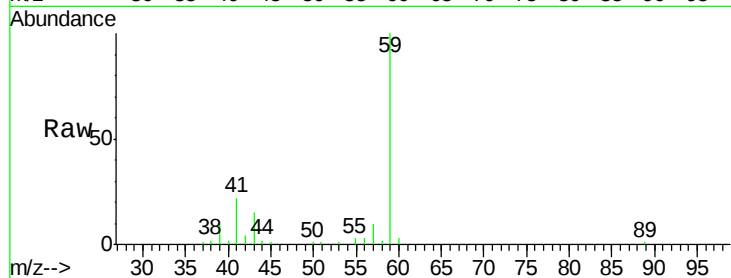
Tert butyl alcohol
 Concen: 261.295 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.1	12.1#

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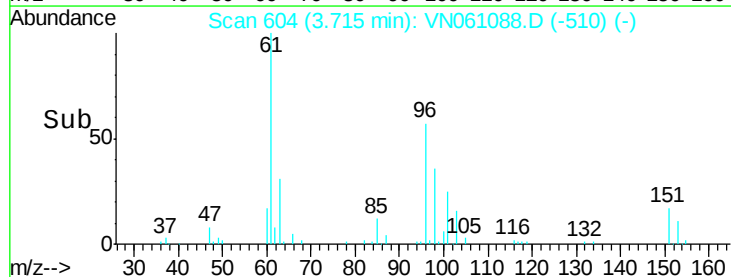
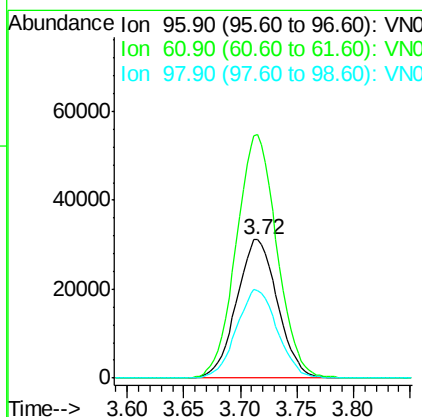
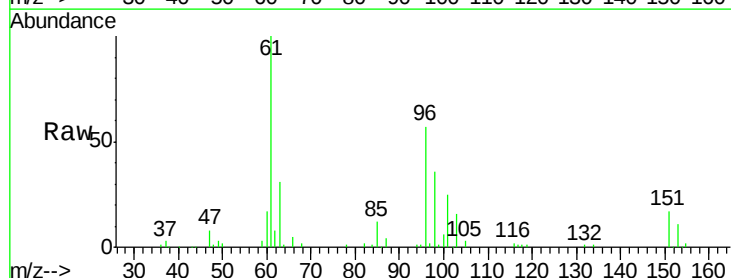
MMDadoda
 4/20/2020 10:07:19 AM



#12

1,1-Dichloroethene
 Concen: 51.969 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.7	139.2	208.8
98	63.2	50.0	75.0





#13

Acrolein

Concen: 207.598 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion: 56 Resp: 54871

Ion Ratio Lower Upper

56 100

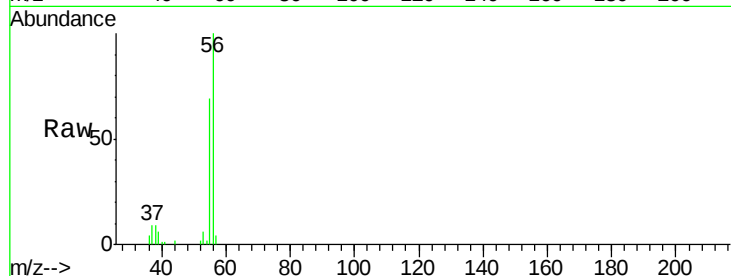
55 69.1 57.0 85.6

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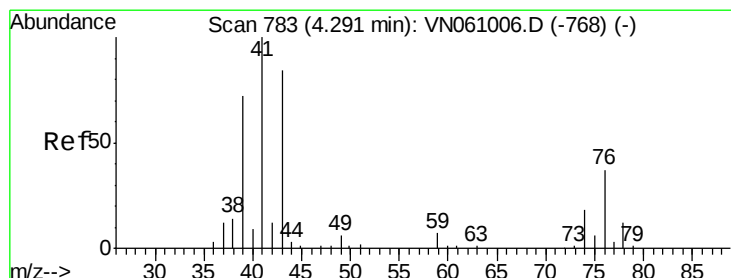
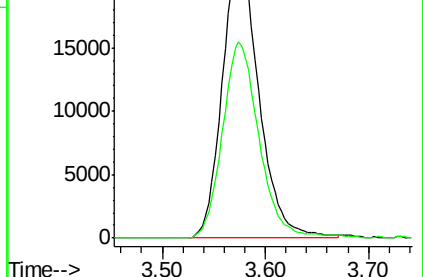
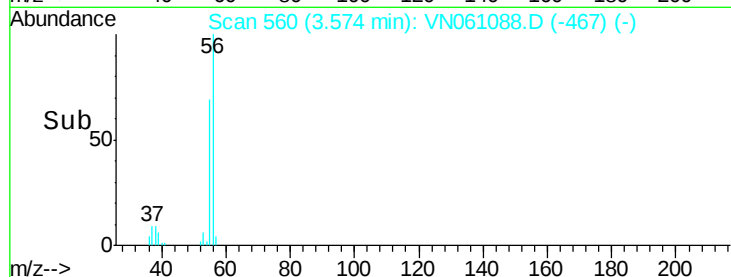


Abundance Ion 56.00 (55.70 to 56.70): VN061006.D (-544) (-)

Ion 55.00 (54.70 to 55.70): VN061006.D (-544) (-)

3.57

Time-->



#14

Allyl chloride

Concen: 47.862 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

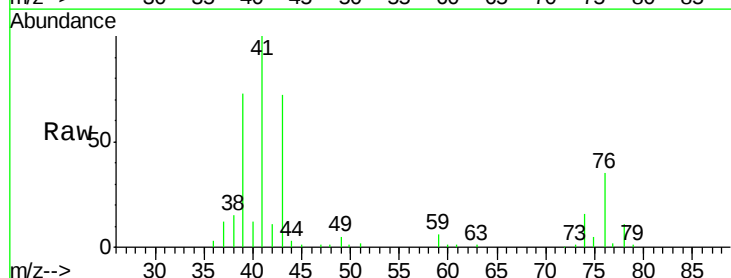
Tgt Ion: 41 Resp: 136659

Ion Ratio Lower Upper

41 100

39 71.3 56.3 84.5

76 34.7 27.7 41.5



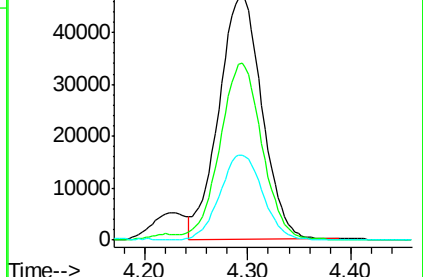
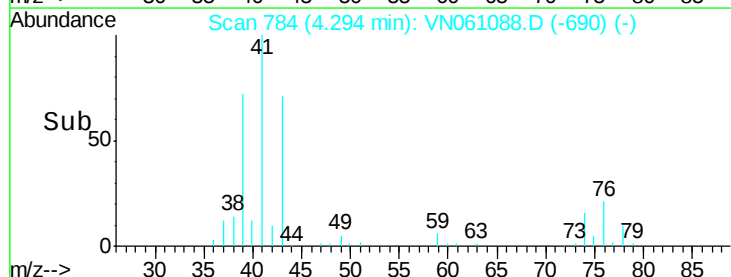
Abundance Ion 41.00 (40.70 to 41.70): VN061006.D (-768) (-)

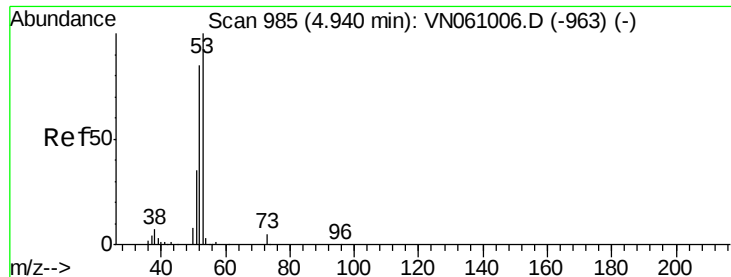
Ion 39.00 (38.70 to 39.70): VN061006.D (-768) (-)

Ion 75.90 (75.60 to 76.60): VN061006.D (-768) (-)

4.29

Time-->





#15

Acrylonitrile

Concen: 278.313 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

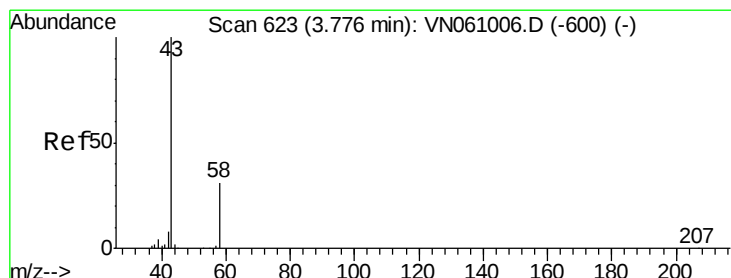
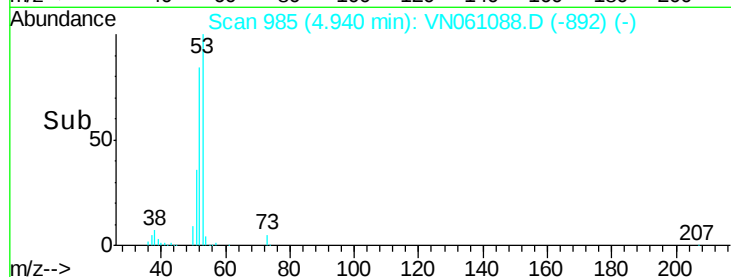
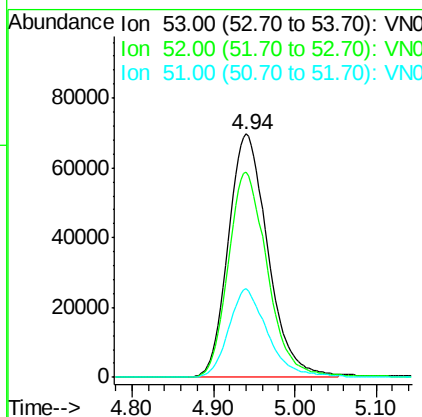
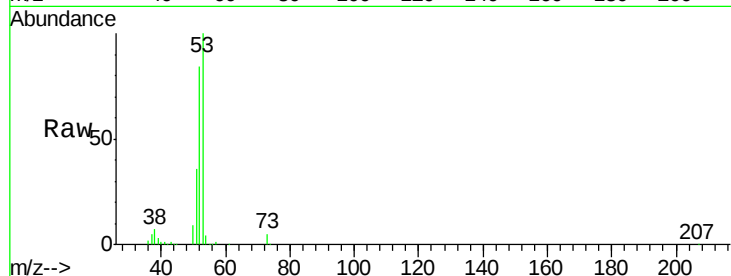
ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:	53	Resp:	236224
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.8	100.2
51	36.0	28.9	43.3

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#16

Acetone

Concen: 253.617 ug/l

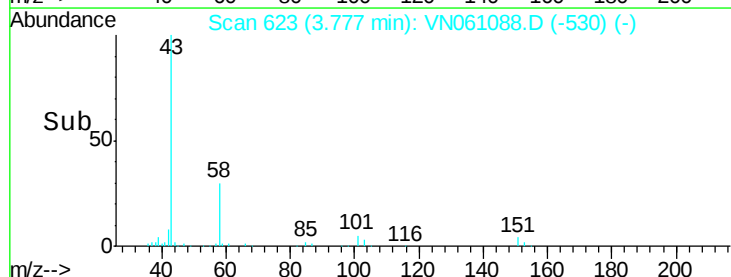
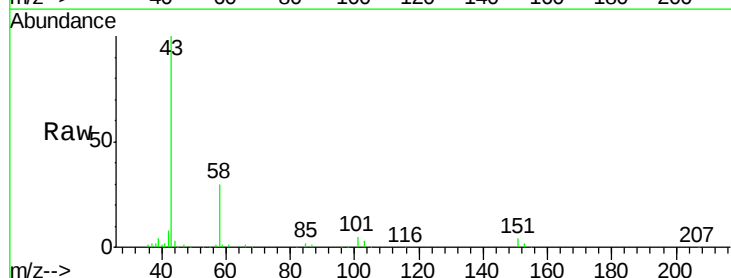
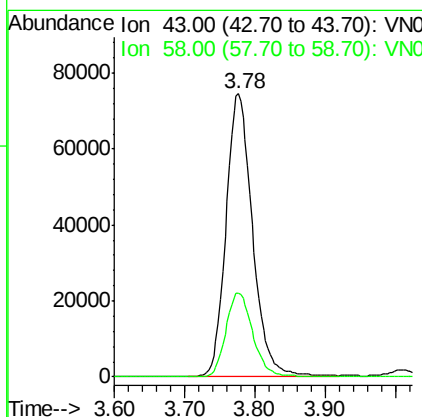
RT: 3.78 min Scan# 623

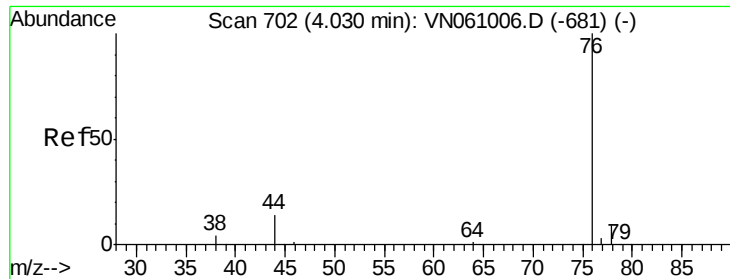
Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion:	43	Resp:	196953
Ion Ratio	Lower	Upper	
43	100		
58	29.8	24.6	37.0





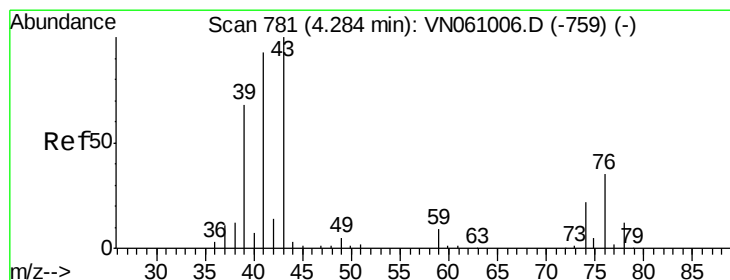
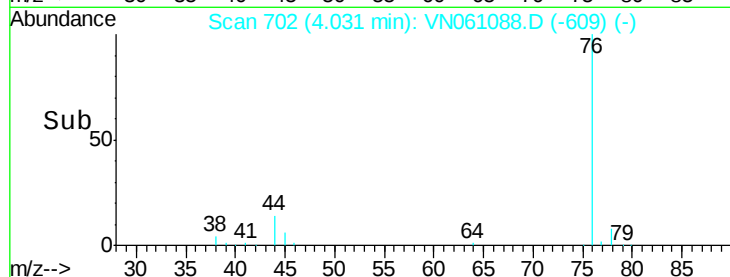
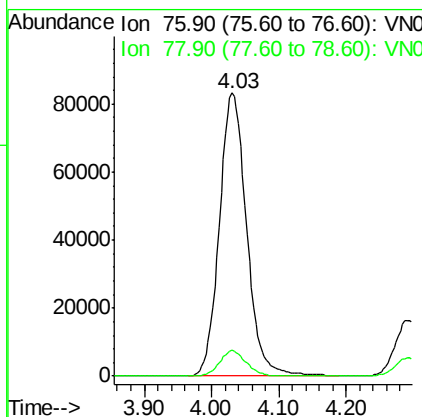
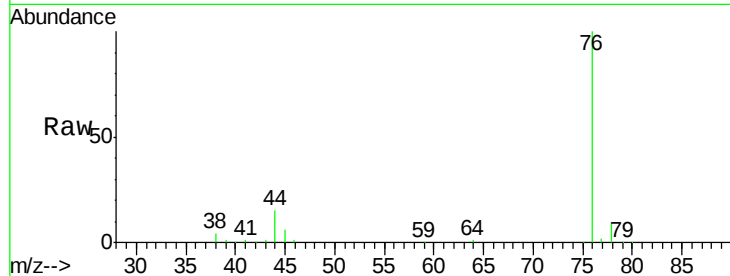
#17
Carbon Disulfide
Concen: 49.753 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

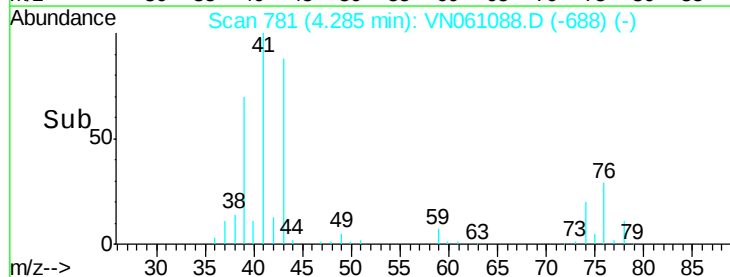
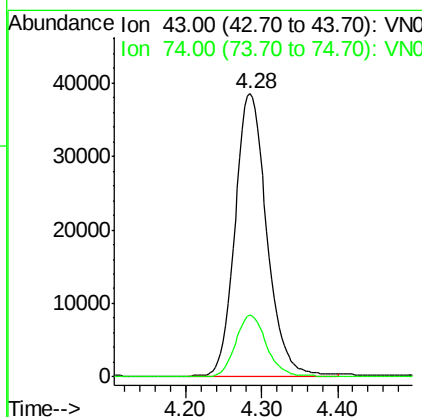
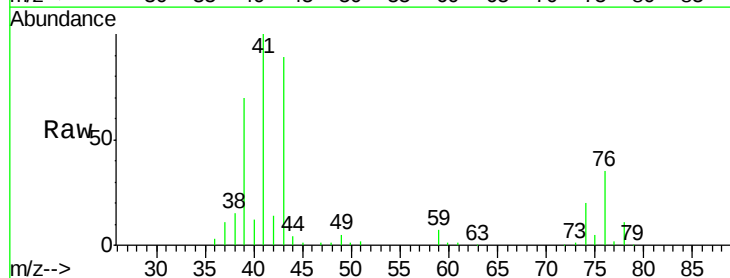
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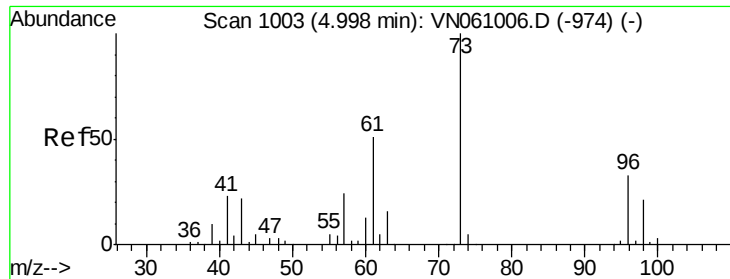
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#18
Methyl Acetate
Concen: 46.183 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.4	26.0





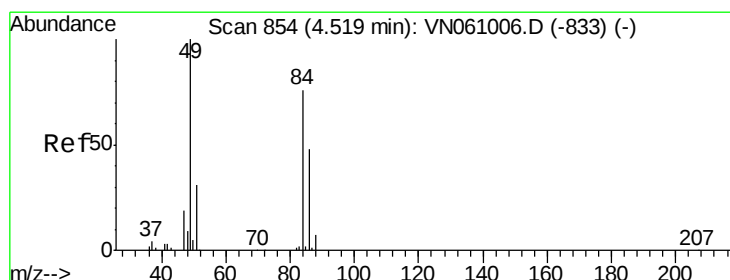
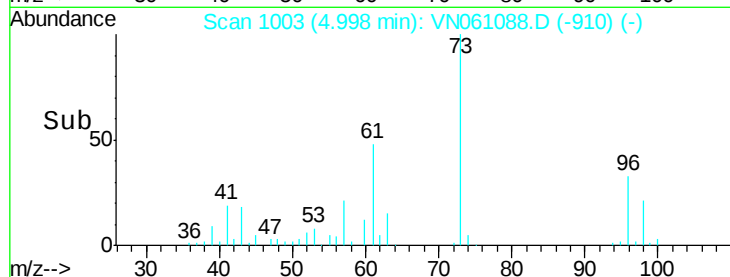
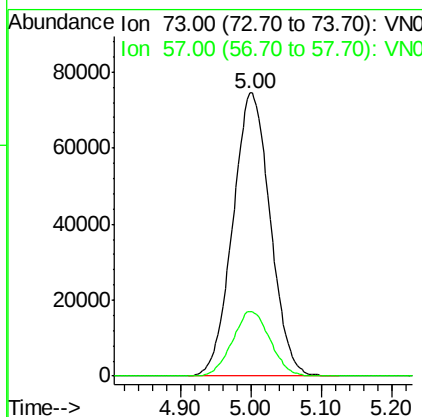
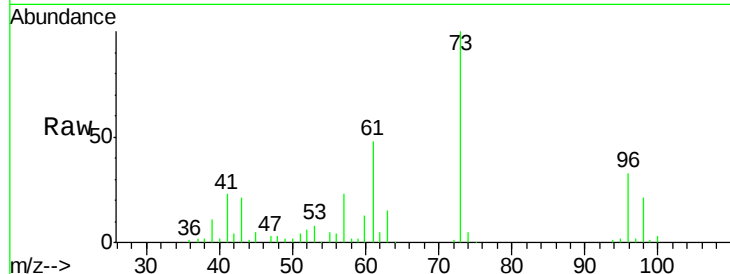
#19
Methvl tert-butvl Ether
Concen: 52.447 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion: 73 Resp: 275968
Ion Ratio Lower Upper
73 100
57 22.8 19.0 28.4

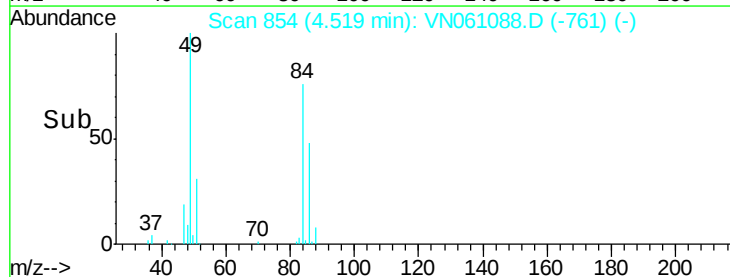
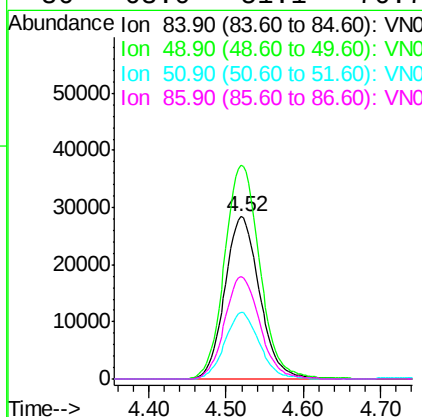
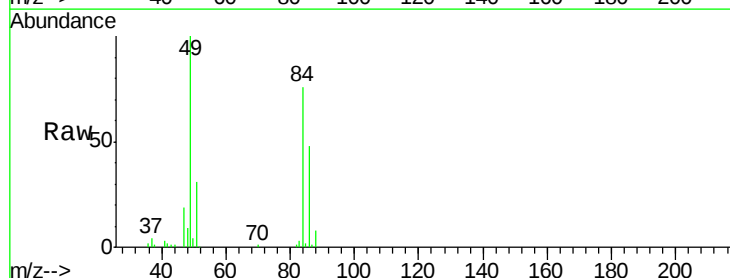
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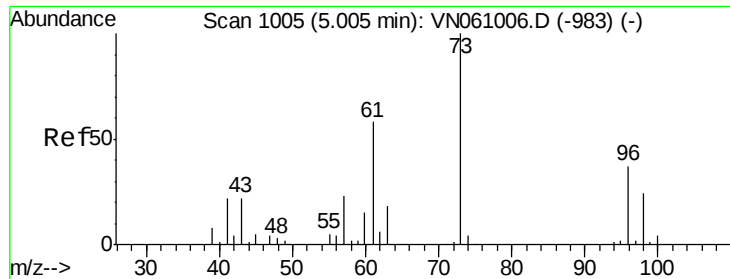
MMDadoda
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#20
Methylene Chloride
Concen: 52.411 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 84 Resp: 88864
Ion Ratio Lower Upper
84 100
49 131.7 105.8 158.6
51 41.2 32.4 48.6
86 63.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 52.899 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

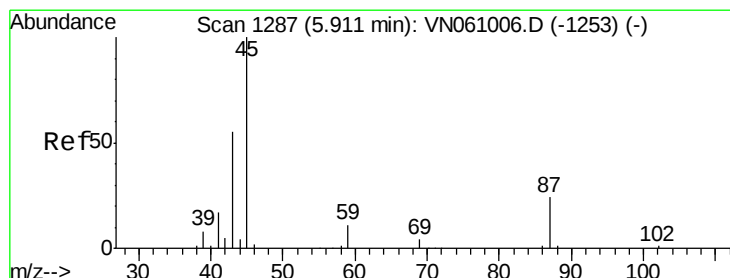
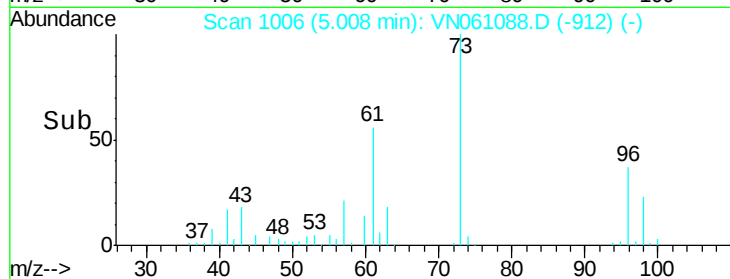
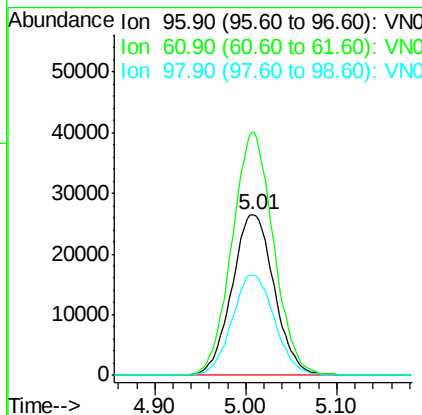
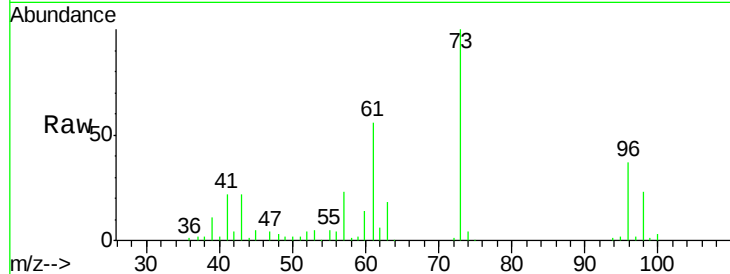
ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:	96	Resp:	85382
Ion	Ratio	Lower	Upper
96	100		
61	151.4	124.8	187.2
98	62.6	51.3	76.9

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#22

Diisopropyl ether

Concen: 52.603 ug/l

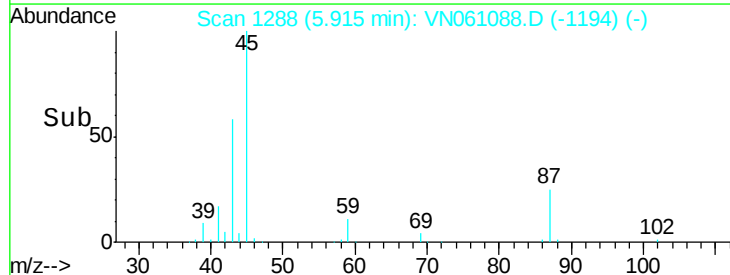
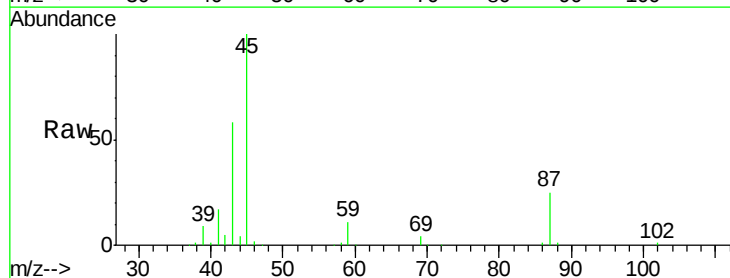
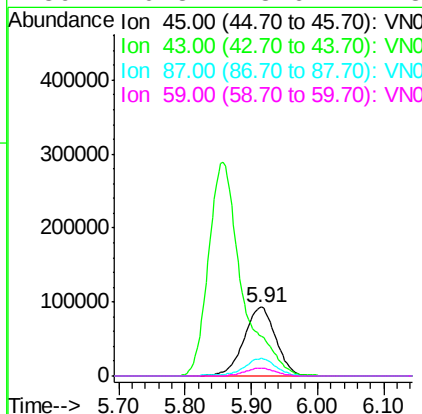
RT: 5.91 min Scan# 1288

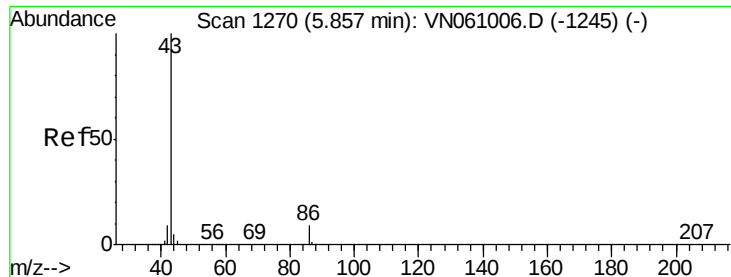
Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion:	45	Resp:	311942
Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.6	72.8
87	25.2	19.4	29.2
59	10.8	8.6	12.8





#23

Vinyl Acetate

Concen: 216.144 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion: 43 Resp: 1005111

Ion Ratio Lower Upper

43 100

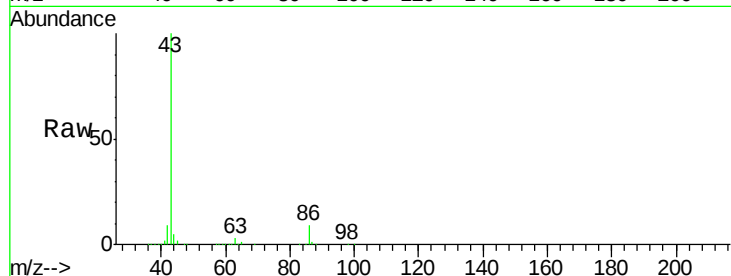
86 9.2 7.3 10.9

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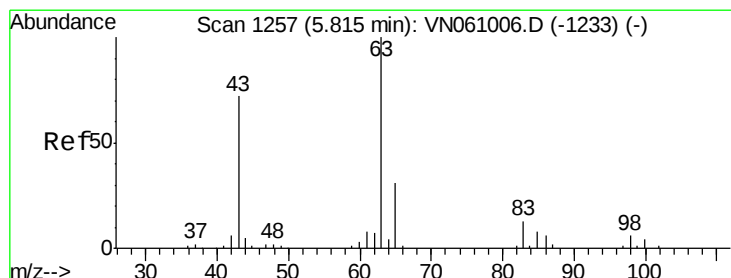
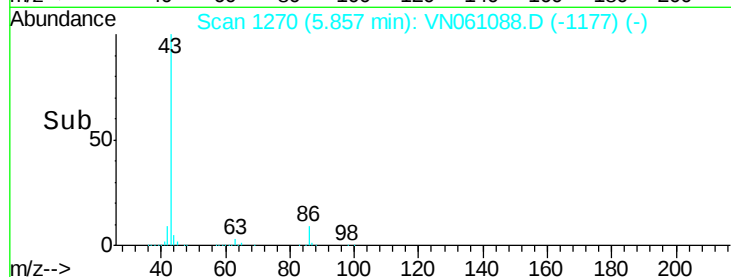
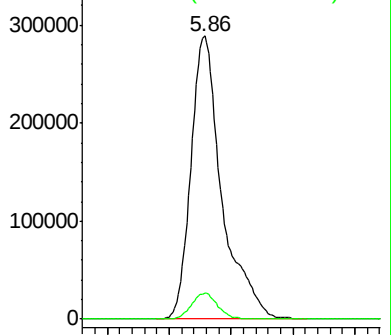
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Abundance Ion 43.00 (42.70 to 43.70): VN061088.D (-1177) (-)



#24

1,1-Dichloroethane

Concen: 52.560 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

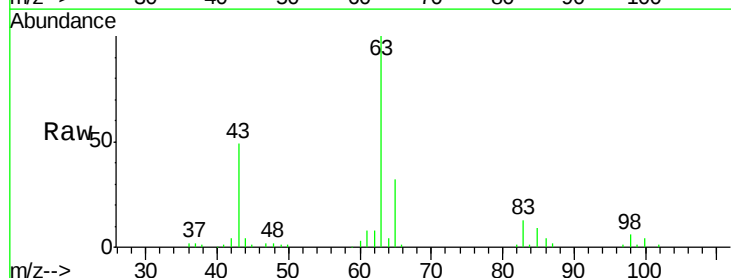
Tgt Ion: 63 Resp: 168339

Ion Ratio Lower Upper

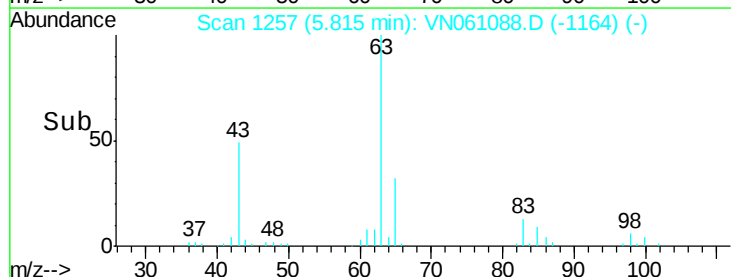
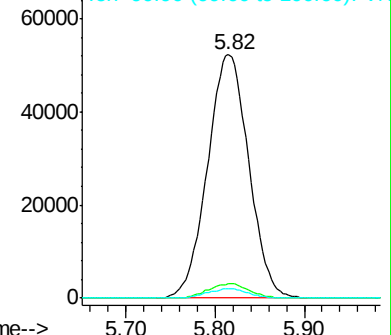
63 100

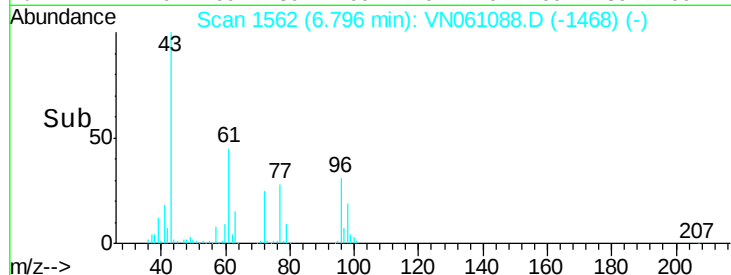
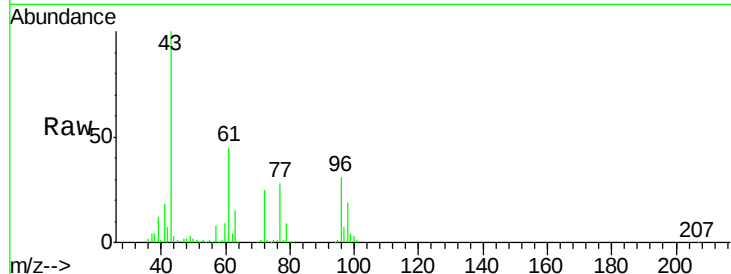
98 5.7 2.9 8.8

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN061088.D (-1164) (-)





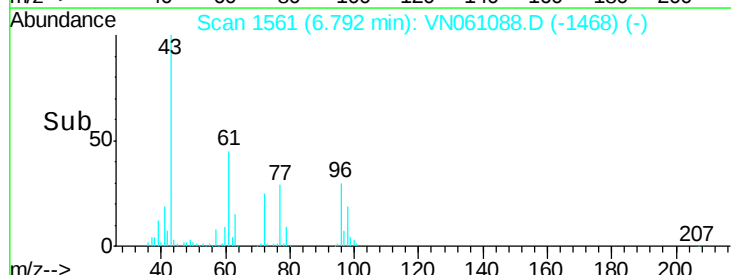
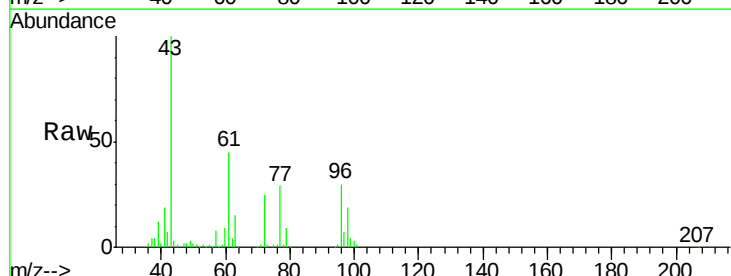
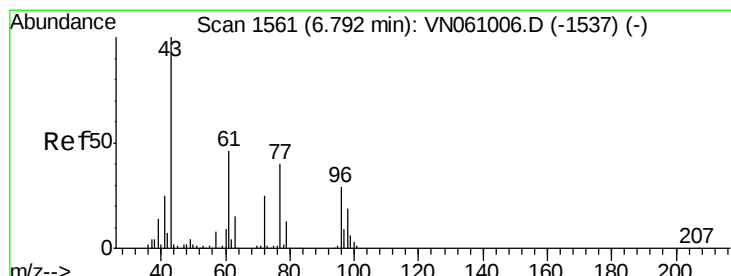
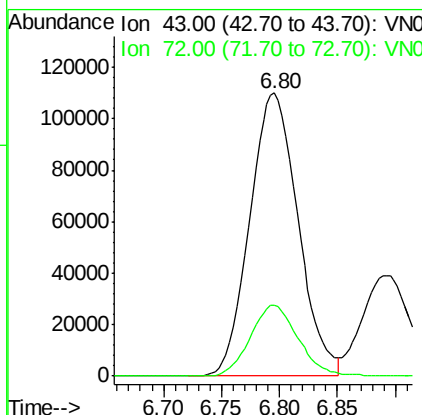
#25
2-Butanone
Concen: 267.504 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tot Ion: 43 Resp: 318330
Ion Ratio Lower Upper
43 100
72 25.1 19.6 29.4

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

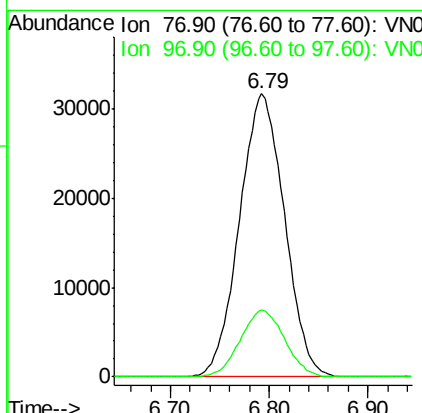
Manual Integrations
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MMDadoda
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#26
2,2-Dichloropropane
Concen: 37.506 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 77 Resp: 100019
Ion Ratio Lower Upper
77 100
97 23.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 52.200 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

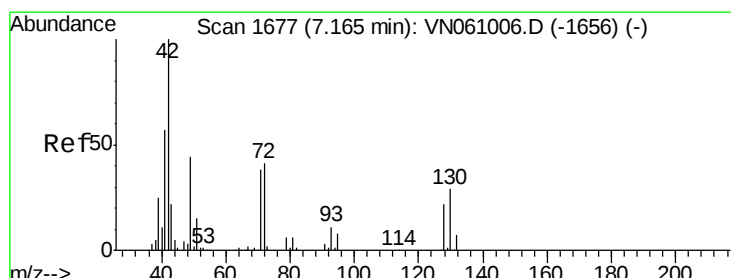
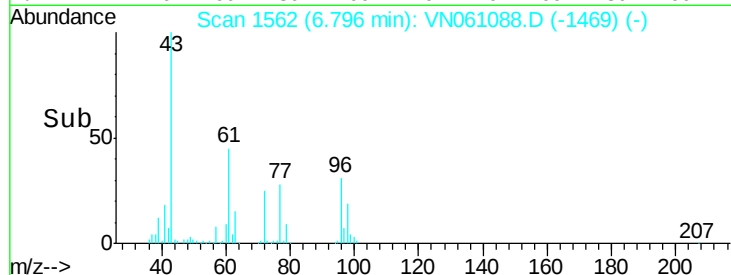
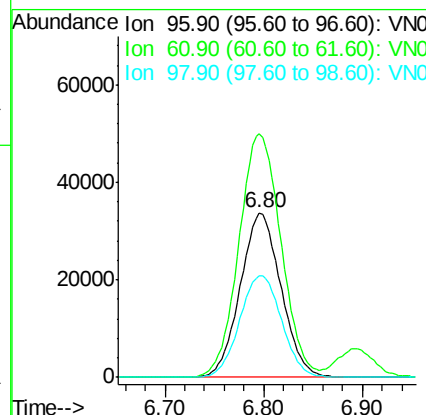
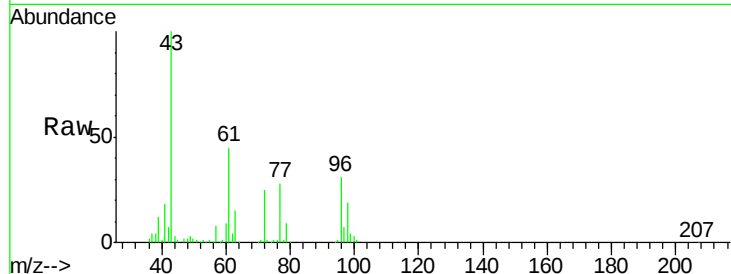
Instrument :
MSVOA_N

ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.8	0.0	317.4	
98	63.6	0.0	127.8	

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#28

Bromochloromethane

Concen: 53.449 ug/l

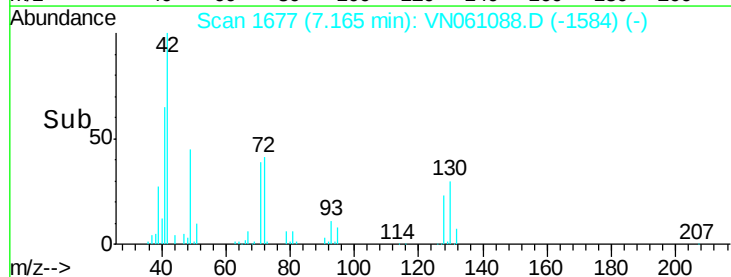
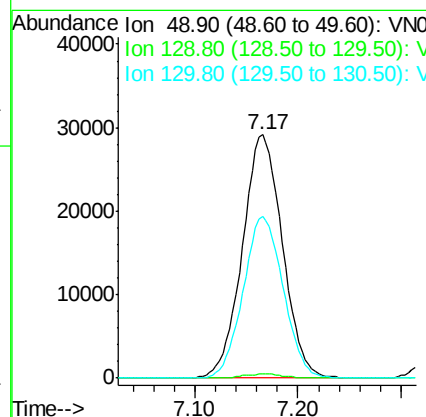
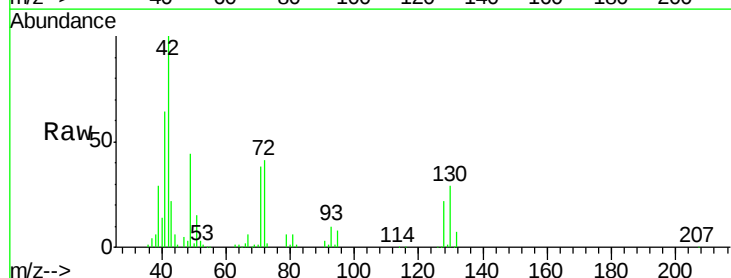
RT: 7.17 min Scan# 1677

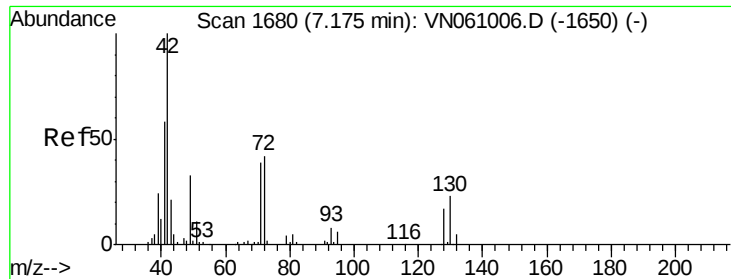
Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.0	
130	66.4	52.9	79.3	





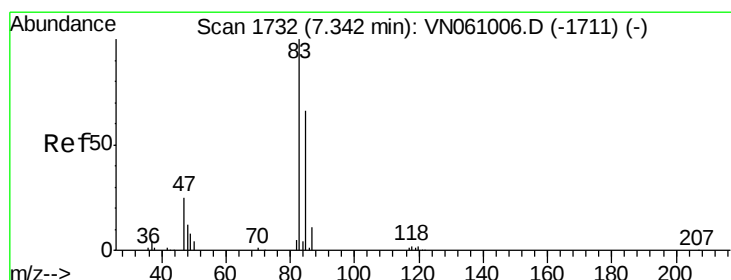
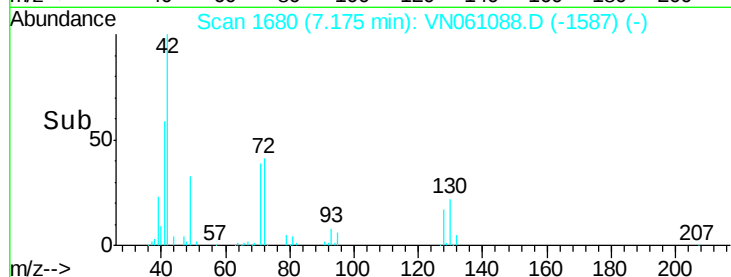
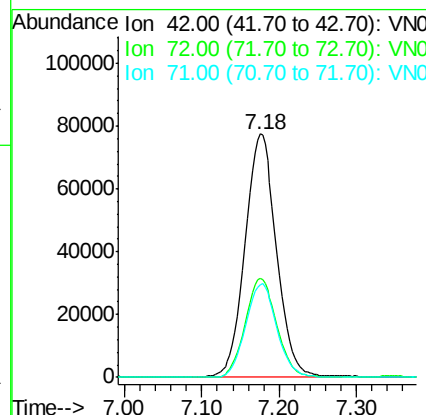
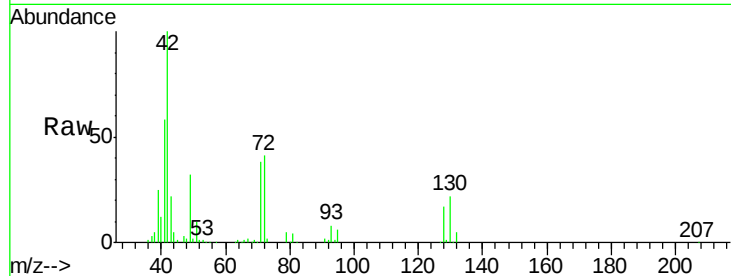
#29
Tetrahydrofuran
Concen: 271.618 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ratio	Resp	Lower	Upper
42	100	219434		
72	40.6		32.1	48.1
71	38.2		30.5	45.7

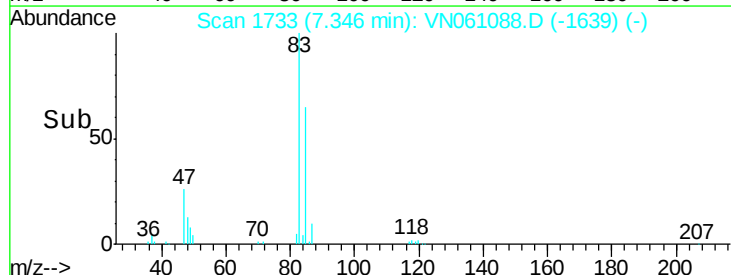
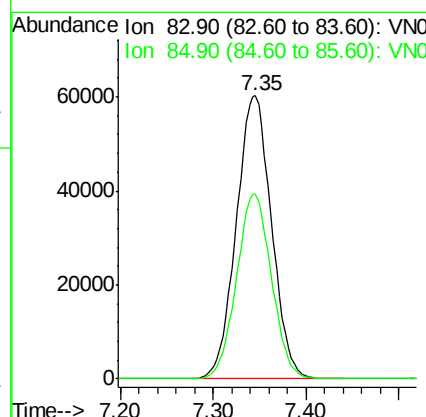
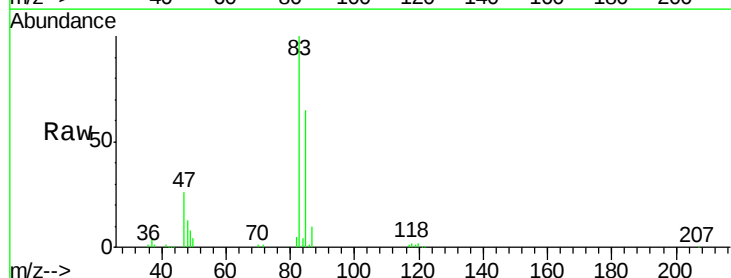
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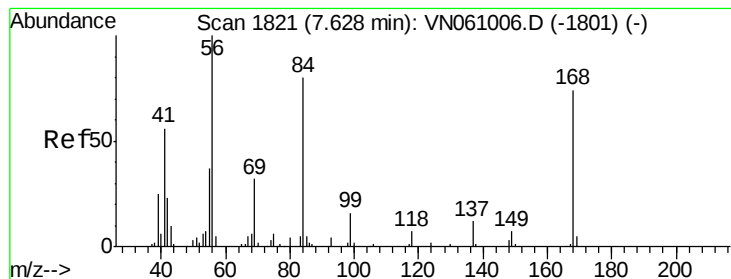
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4/20/2020 10:07:19 AM



#30
Chloroform
Concen: 53.052 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	158485		
85	65.3		52.8	79.2





#31

Cyclohexane

Concen: 48.119 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

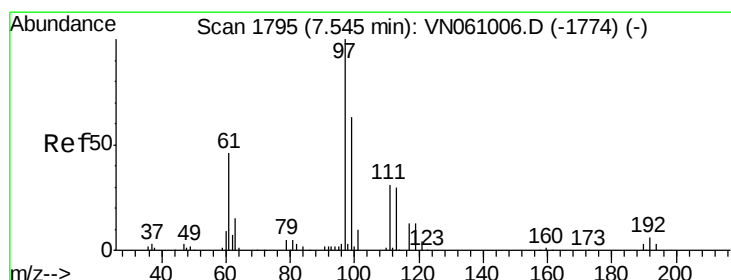
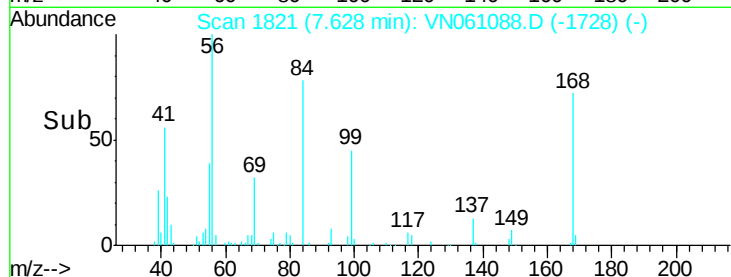
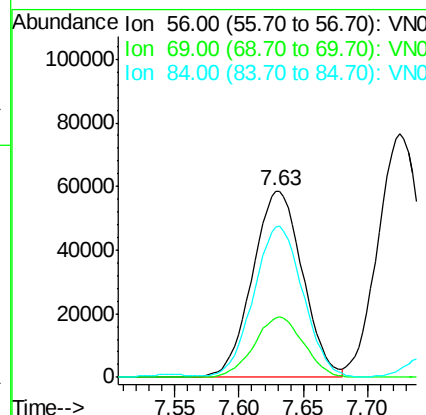
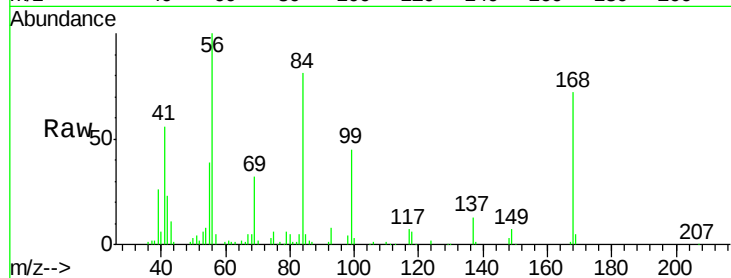
ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:	56	Resp:	158148
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.6	38.4
84	80.0	63.4	95.2

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#32

1,1,1-Trichloroethane

Concen: 52.723 ug/l

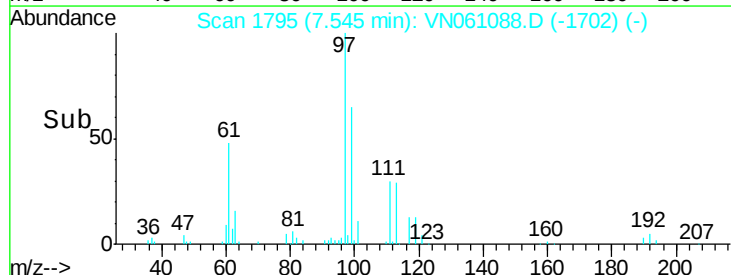
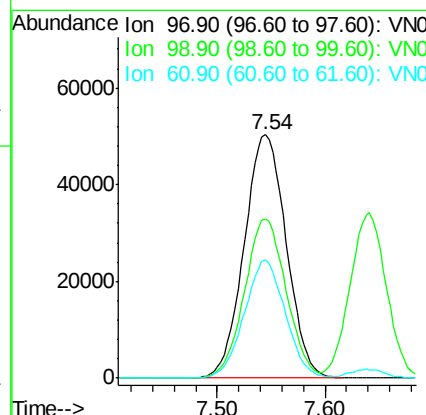
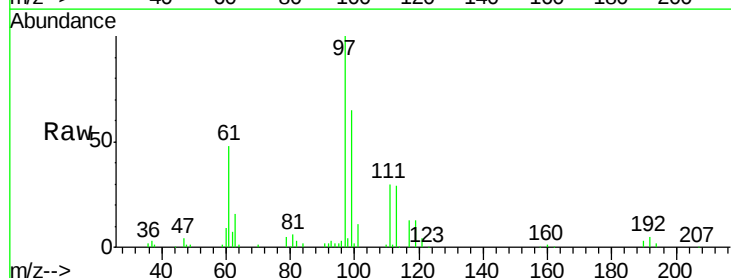
RT: 7.54 min Scan# 1795

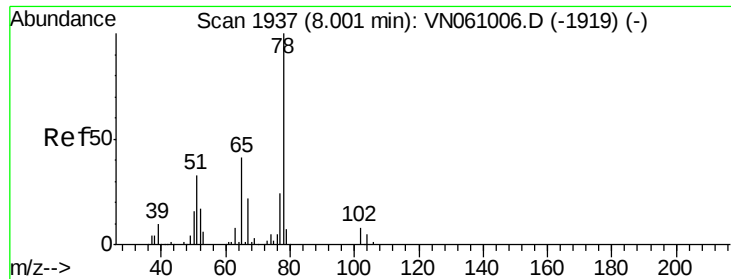
Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion:	97	Resp:	136236
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.0	76.4
61	47.3	37.0	55.6





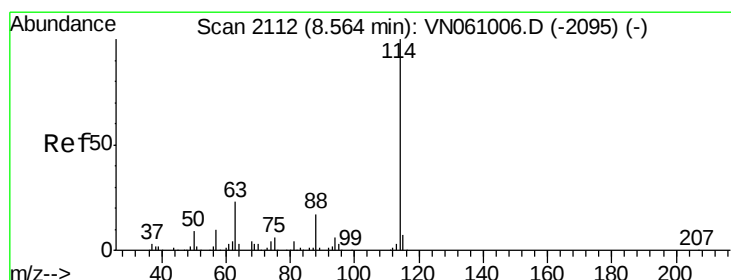
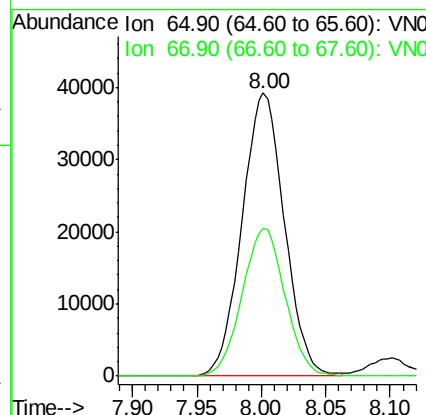
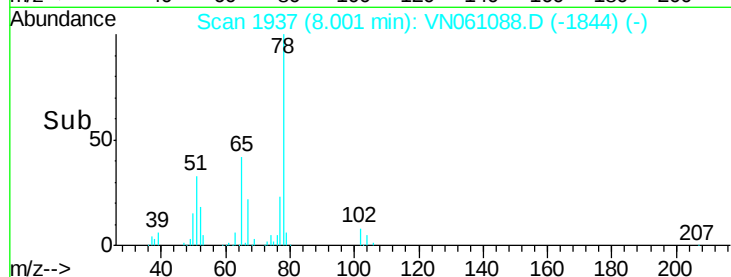
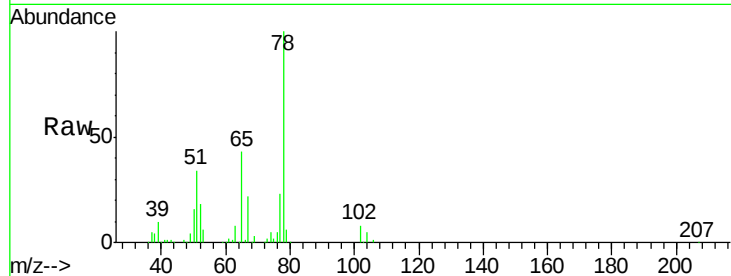
#33
 1,2-Dichloroethane-d4
 Concen: 50.816 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	89656		
67	52.9	0.0	107.0	

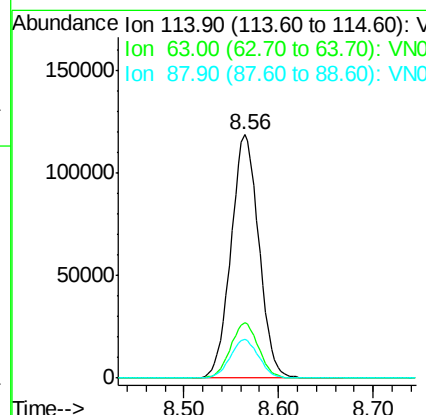
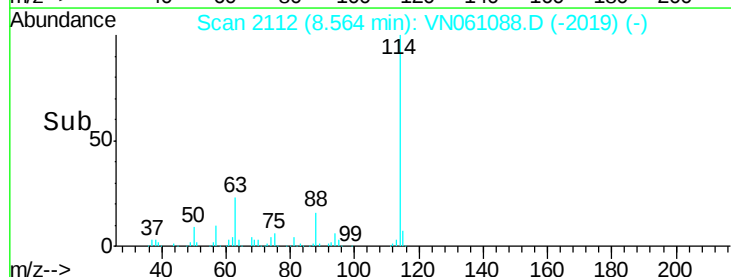
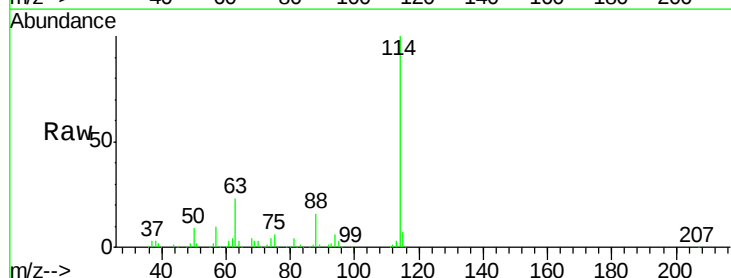
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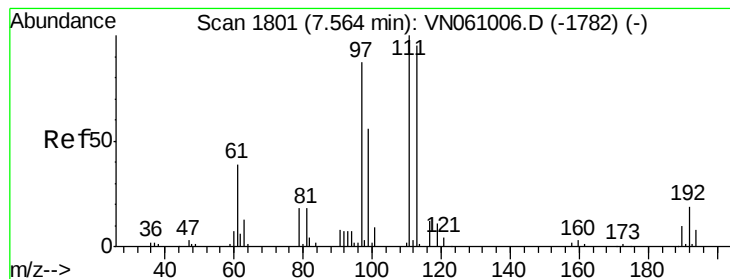
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	243256		
63	22.6	0.0	46.2	
88	16.1	0.0	33.4	





#35

Dibromofluoromethane

Concen: 48.160 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

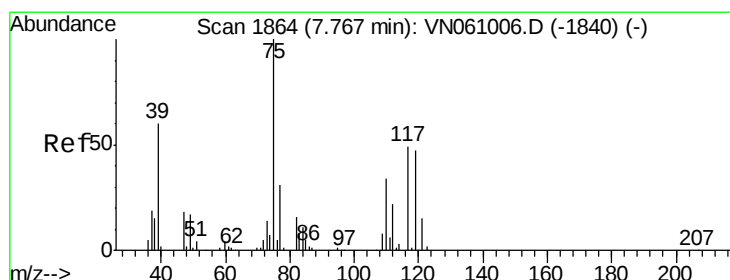
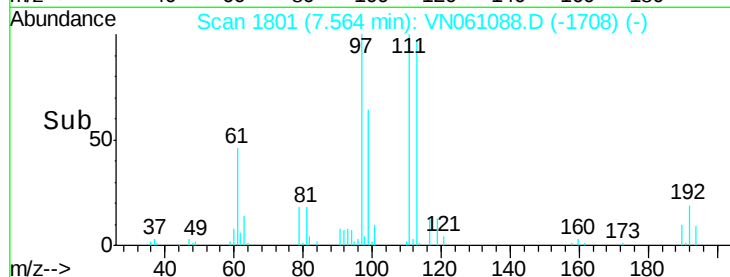
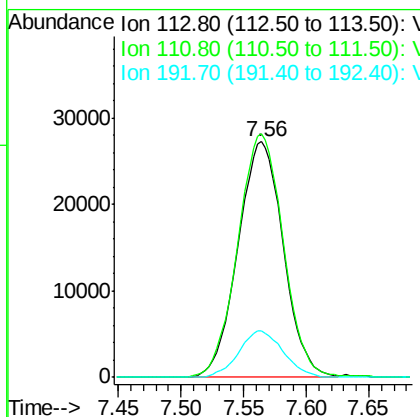
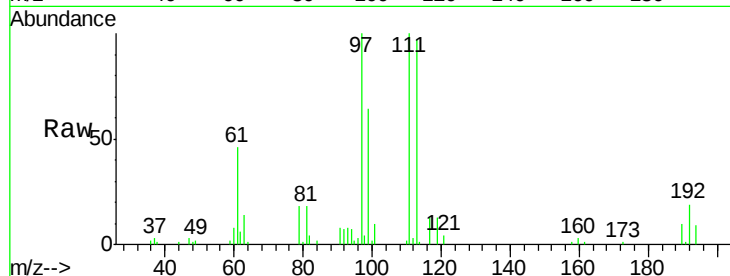
ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:	113	Resp:	68415
Ion Ratio	Lower	Upper	
113	100		
111	103.5	83.4	125.2
192	19.2	15.5	23.3

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#36

1,1-Dichloropropene

Concen: 49.472 ug/l

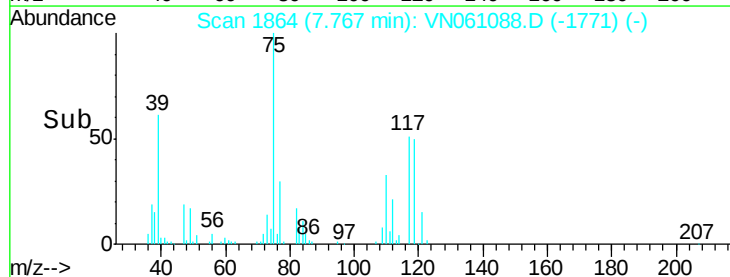
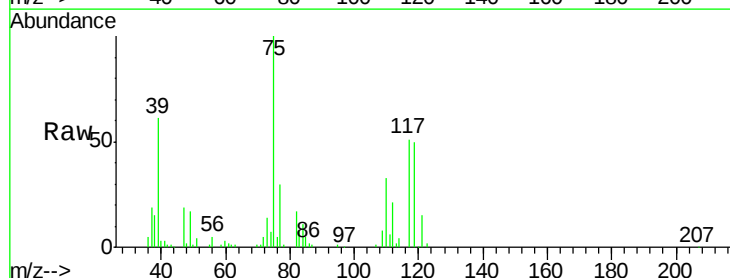
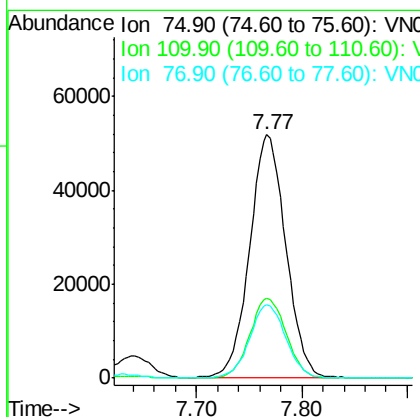
RT: 7.77 min Scan# 1864

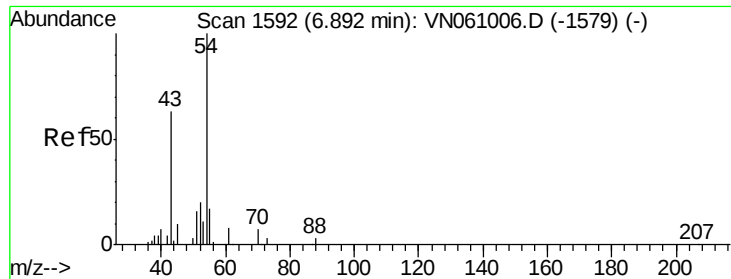
Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion:	75	Resp:	124184
Ion Ratio	Lower	Upper	
75	100		
110	32.8	16.8	50.3
77	30.3	24.7	37.1





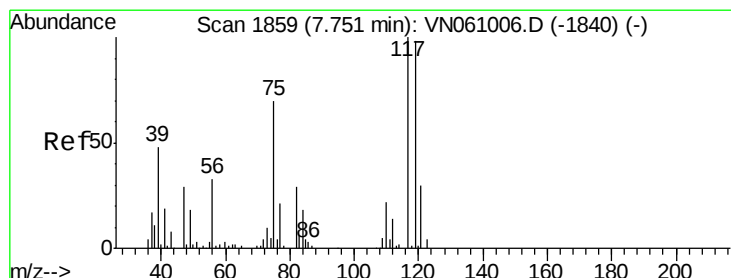
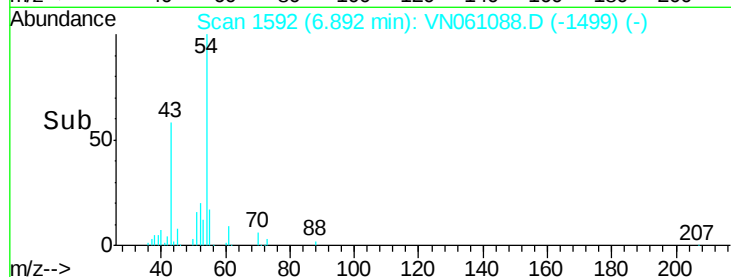
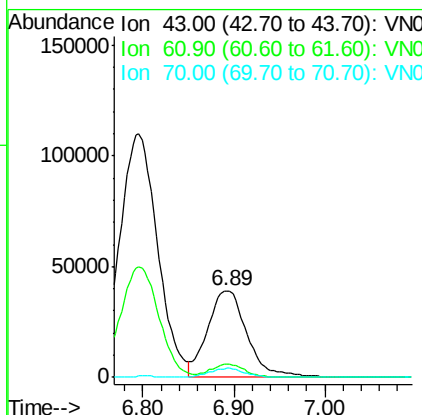
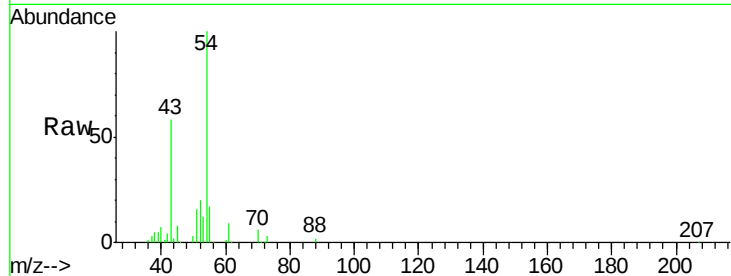
#37
Ethyl Acetate
Concen: 42.777 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.6	10.9	16.3	
70	9.4	7.7	11.5	

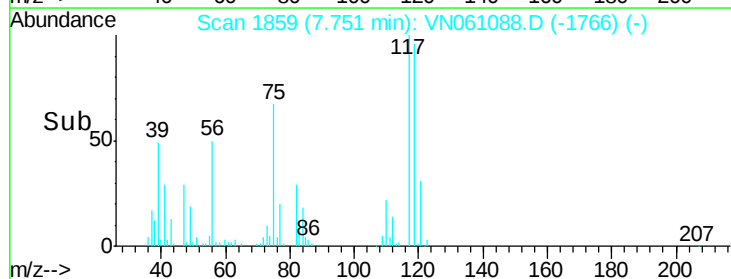
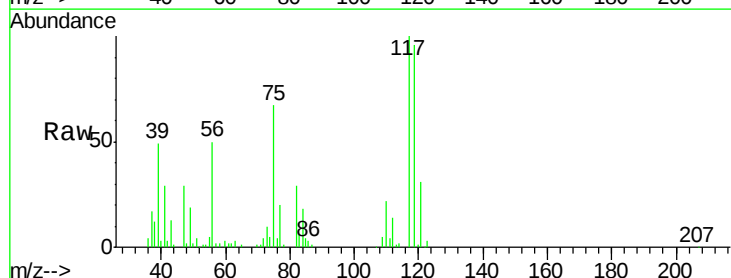
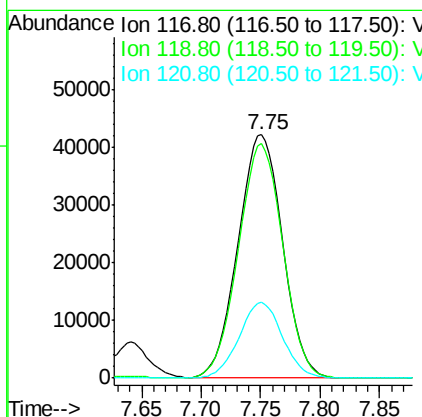
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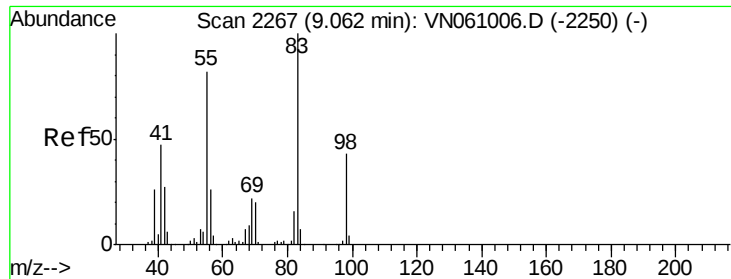
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#38
Carbon Tetrachloride
Concen: 52.464 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.2	78.1	117.1	
121	30.9	24.0	36.0	





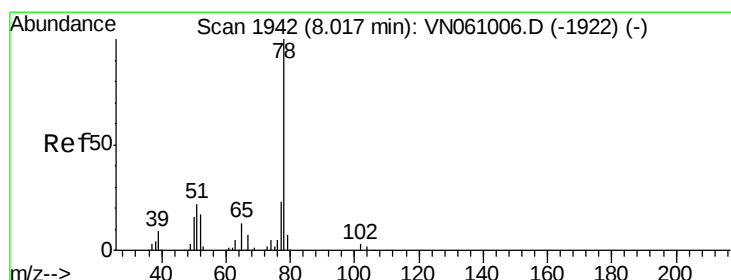
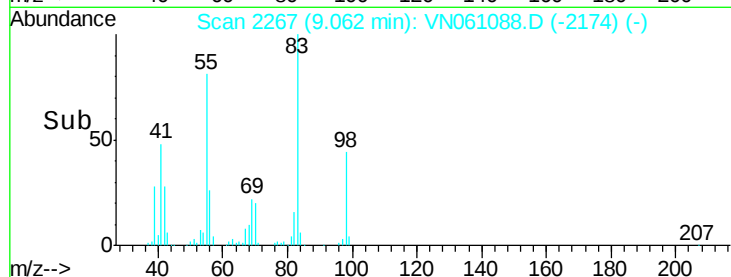
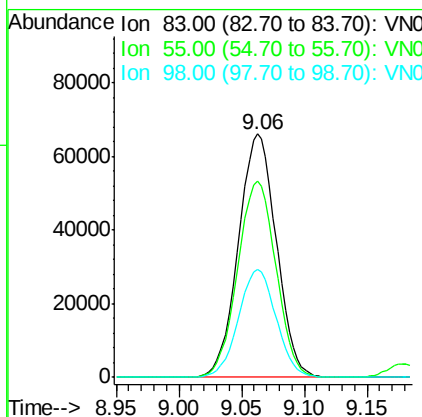
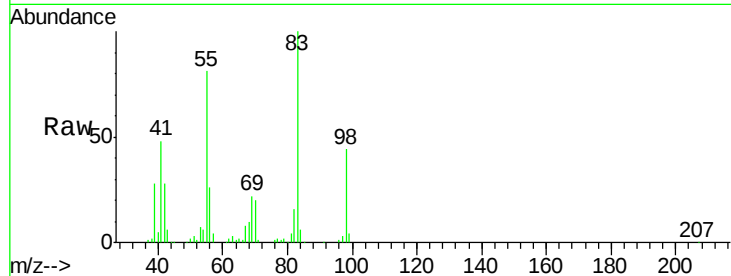
#39
Methvlcvclohexane
Concen: 46.258 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.6	65.4	98.0	
98	44.4	34.6	51.8	

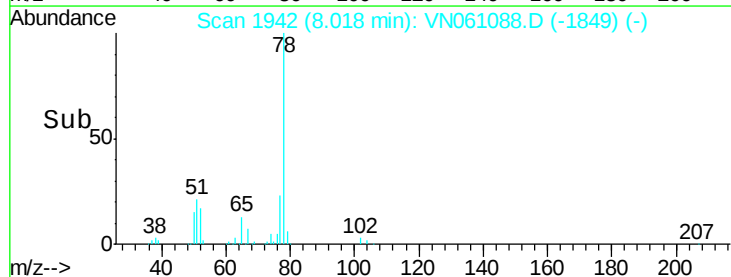
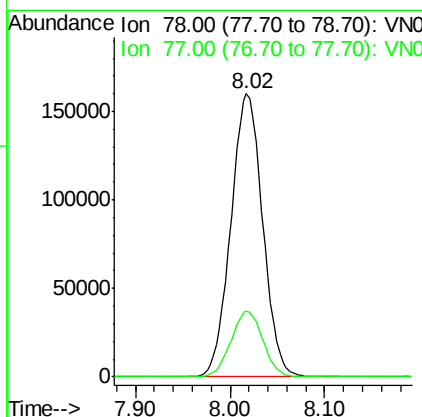
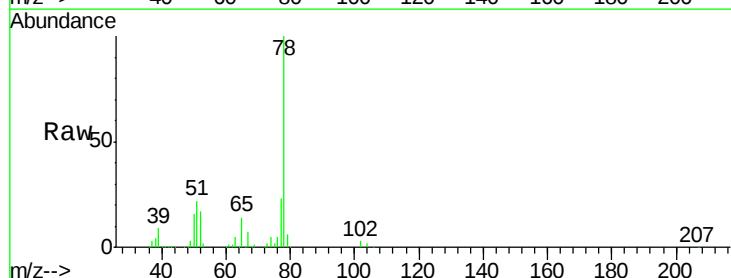
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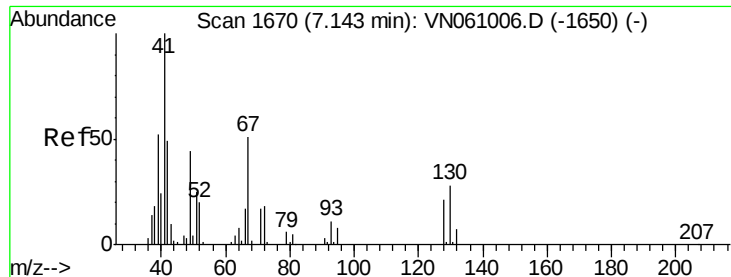
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#40
Benzene
Concen: 50.139 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	18.8	28.2	





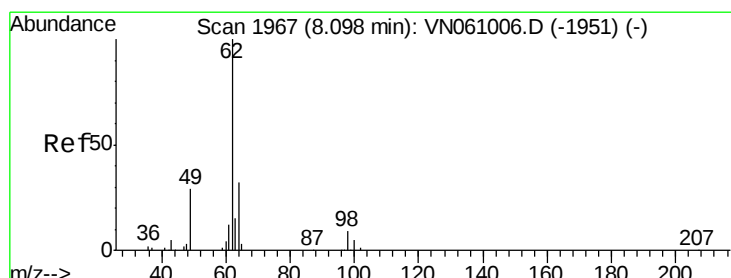
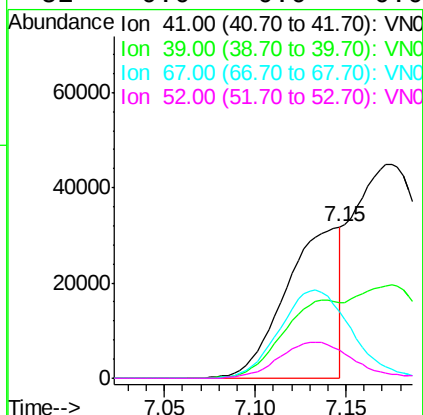
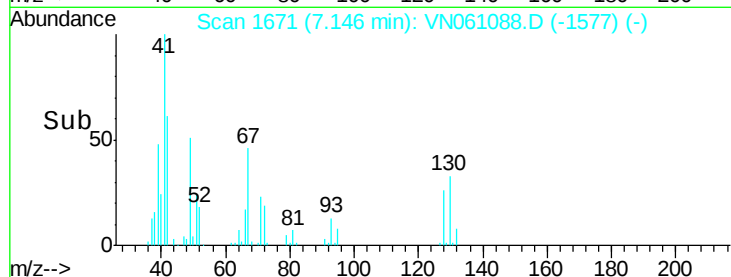
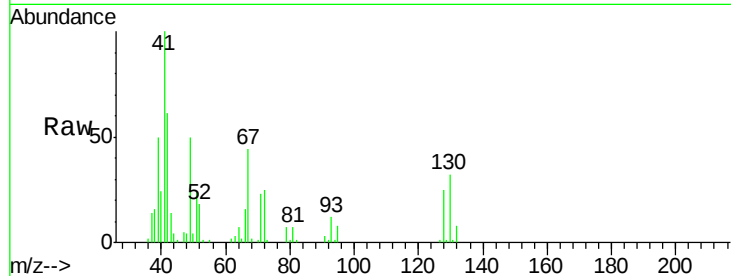
#41
Methacrylonitrile
Concen: 57.625 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

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

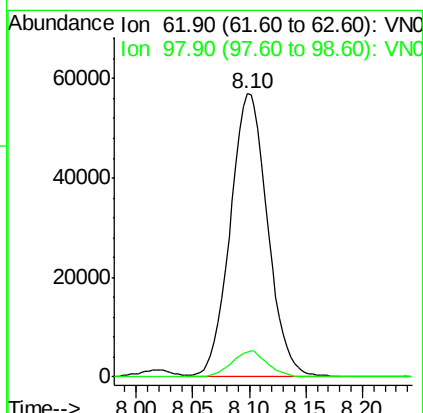
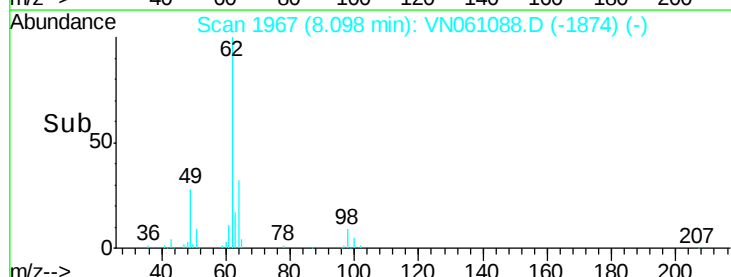
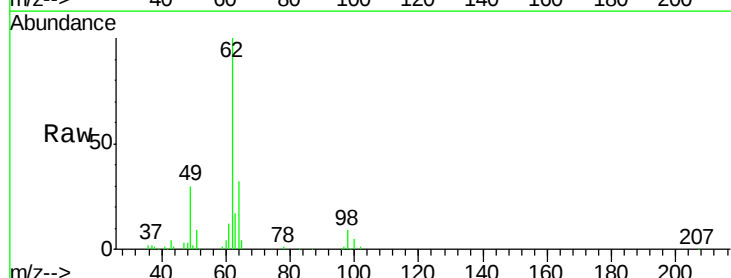
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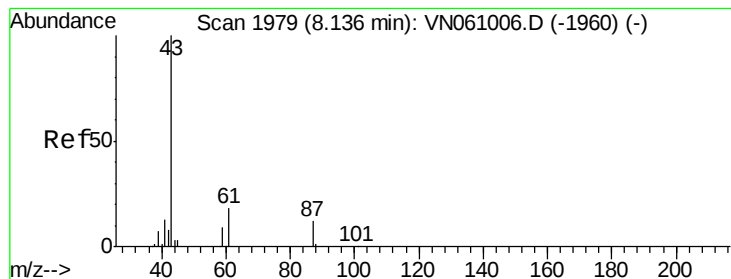
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.640 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	8.8	0.0	17.2





#43

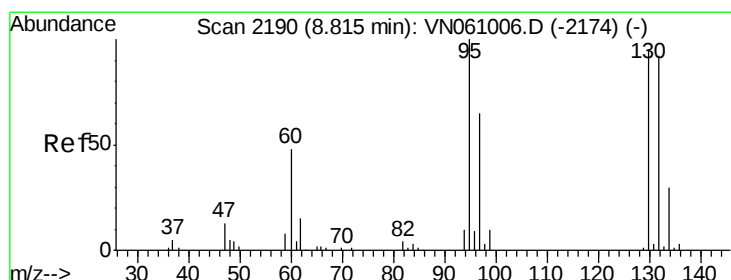
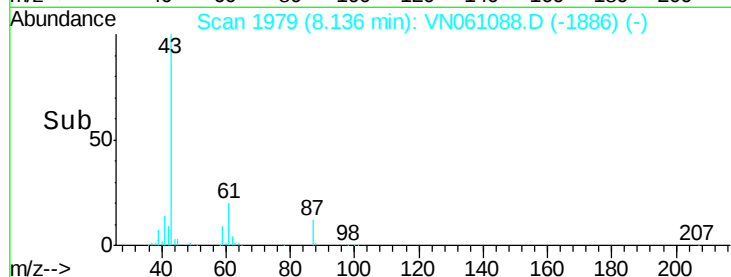
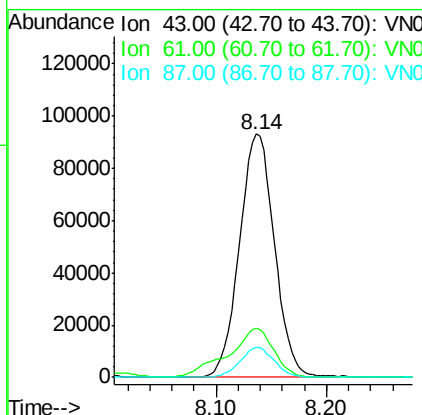
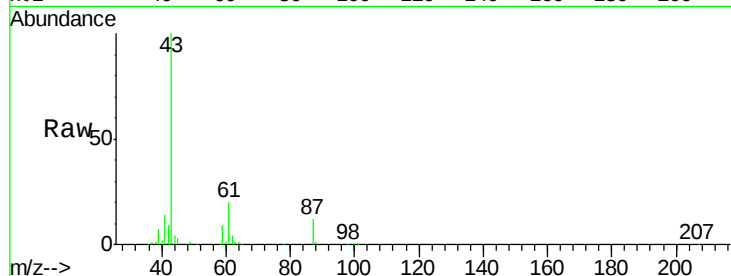
Isopropyl Acetate
 Concen: 46.278 ug/l
 RT: 8.14 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.3	30.5
87	11.9	9.4	14.2

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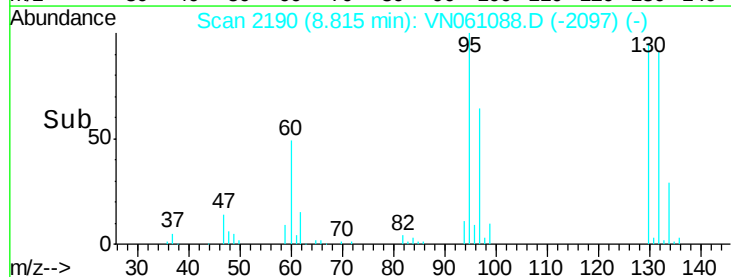
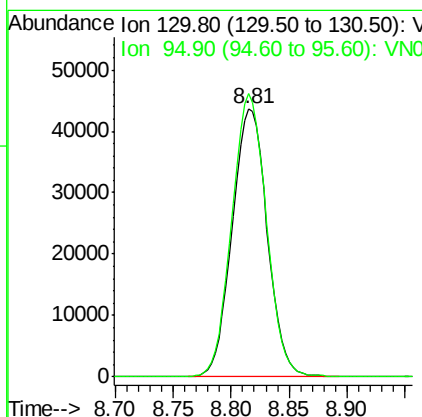
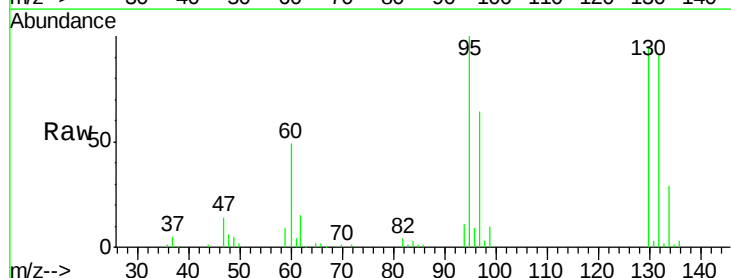
MMDadoda
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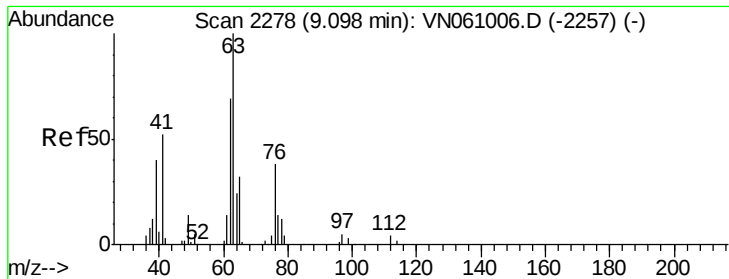


#44

Trichloroethene
 Concen: 48.857 ug/l
 RT: 8.81 min Scan# 2190
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	210.0





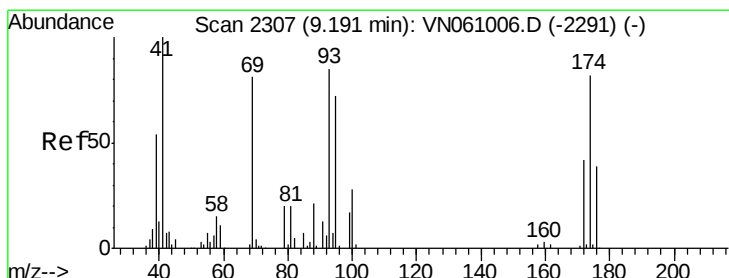
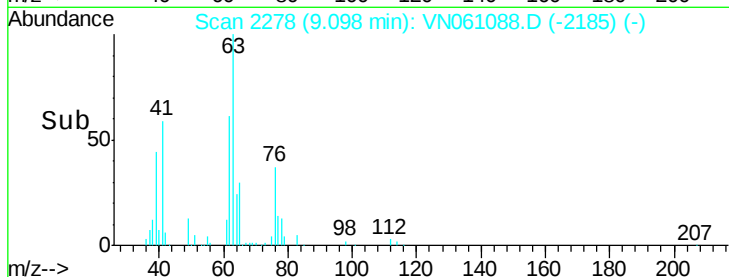
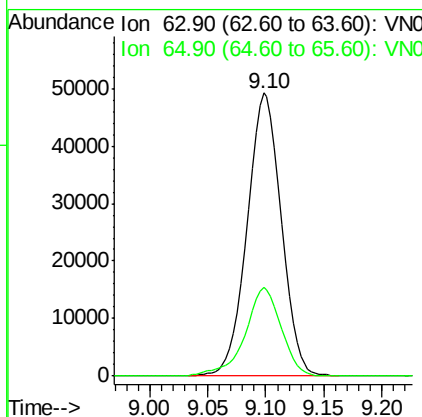
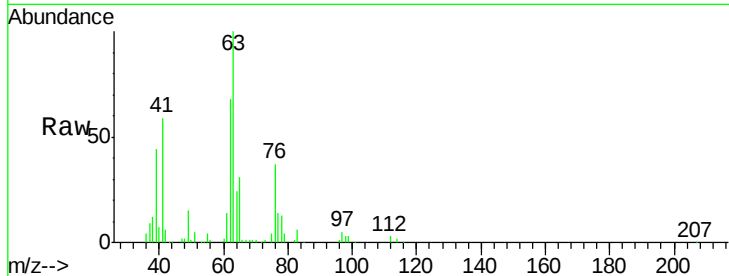
#45
 1,2-Dichloropropane
 Concen: 50.337 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion: 63 Resp: 101249
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.2 37.8

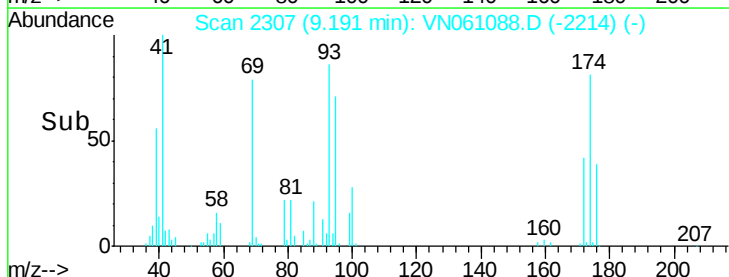
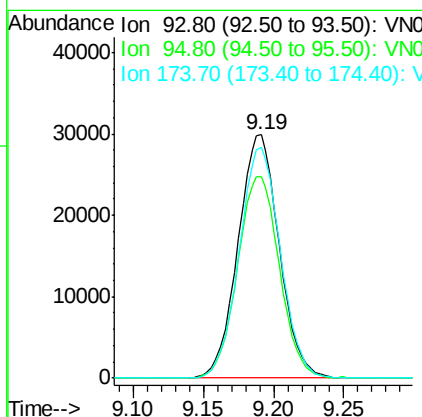
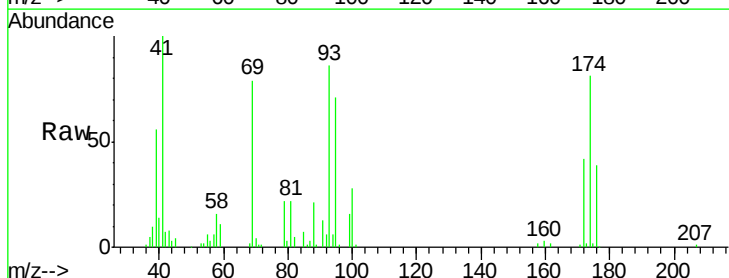
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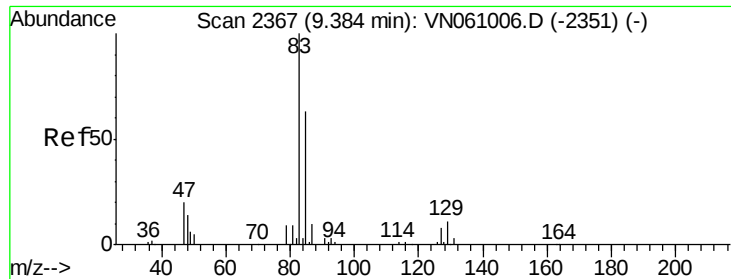
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#46
 Dibromomethane
 Concen: 52.636 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion: 93 Resp: 61042
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.8 100.2
 174 94.6 76.2 114.4





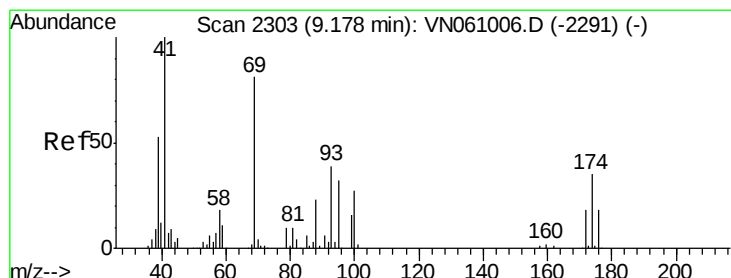
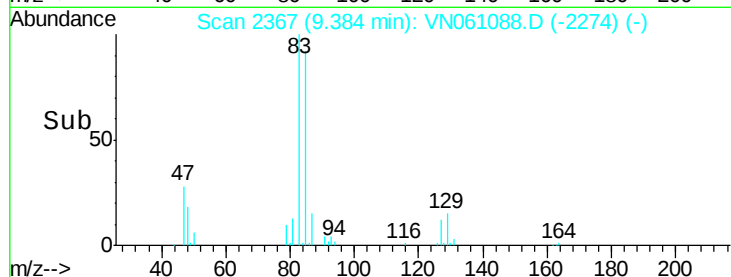
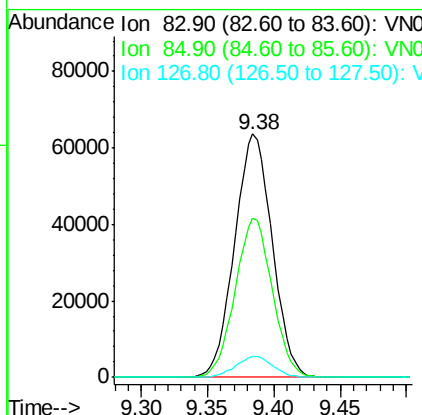
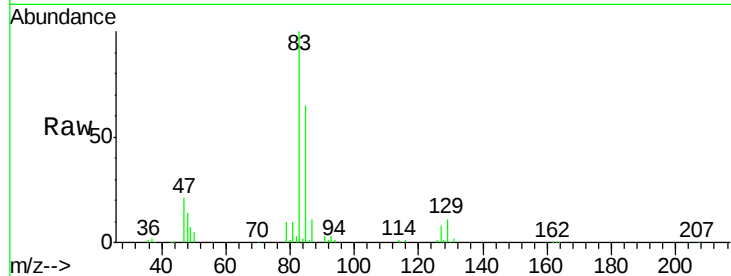
#47
Bromodichloromethane
Concen: 51.225 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	83	Resp	125496
Ion Ratio	100		
85	65.4	50.6	76.0
127	8.4	6.1	9.1

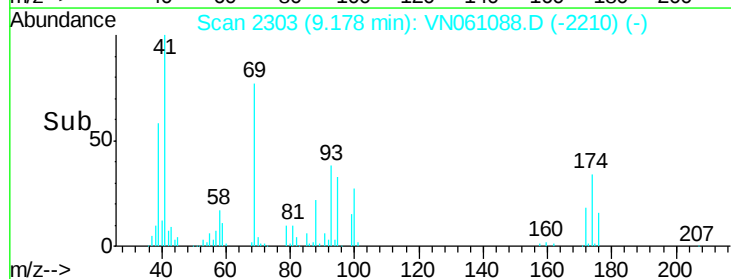
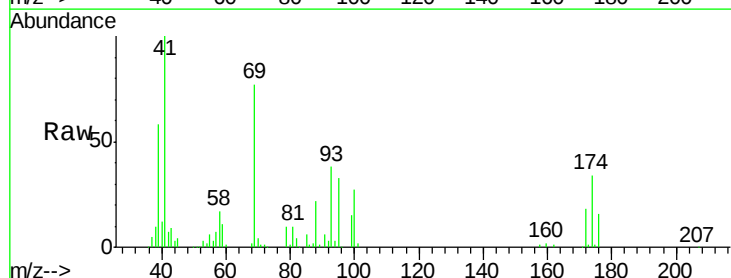
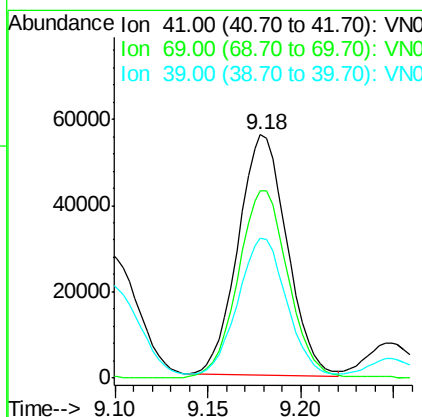
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4/20/2020 10:07:19 AM



#48
Methyl methacrylate
Concen: 52.136 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	41	Resp	102135
Ion Ratio	100		
69	80.2	65.3	97.9
39	59.3	45.2	67.8





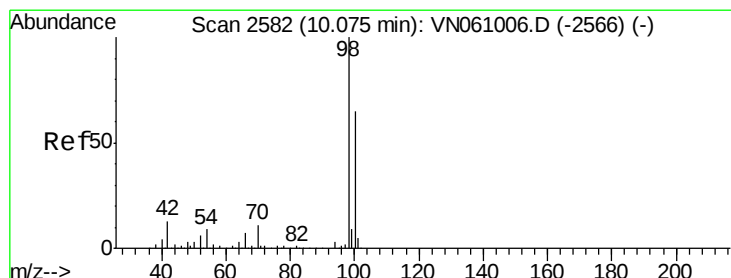
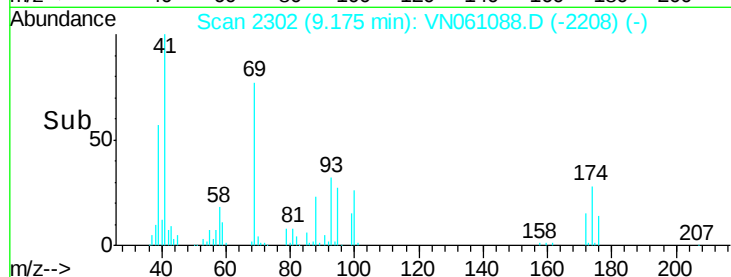
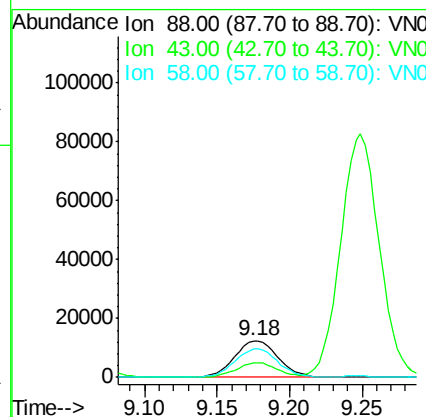
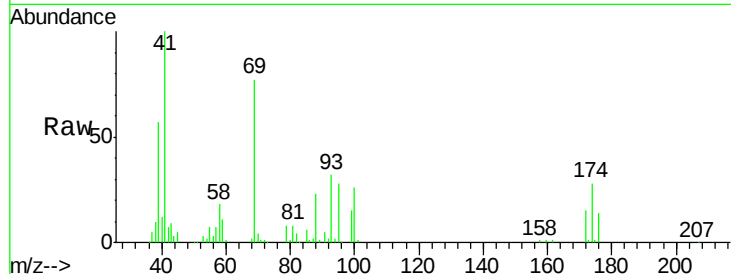
#49
1,4-Dioxane
Concen: 956.157 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100	25992		
43	38.2		30.9	46.3
58	77.2		59.8	89.8

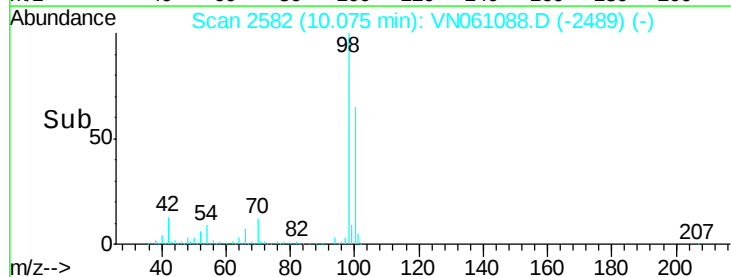
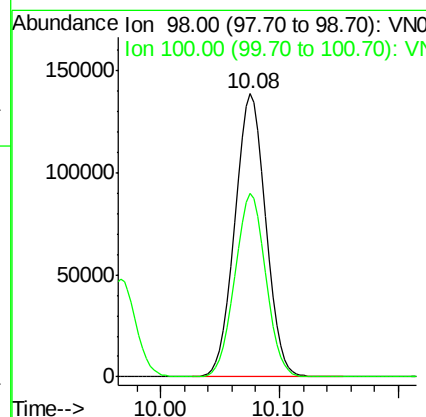
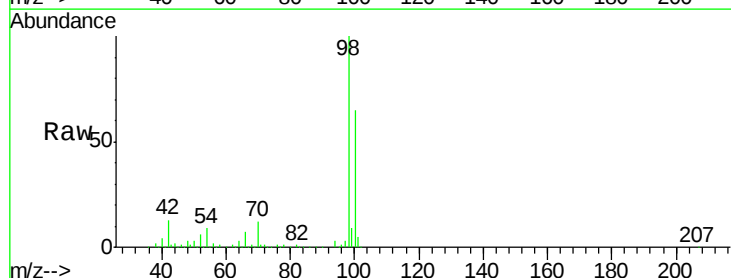
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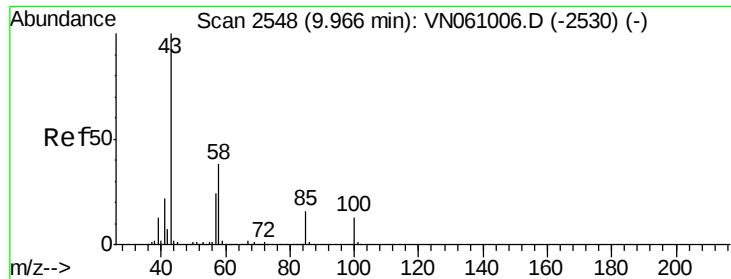
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#50
Toluene-d8
Concen: 46.507 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	249652		
100	64.8		51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 265.925 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion: 43 Resp: 679556

Ion Ratio Lower Upper

43 100

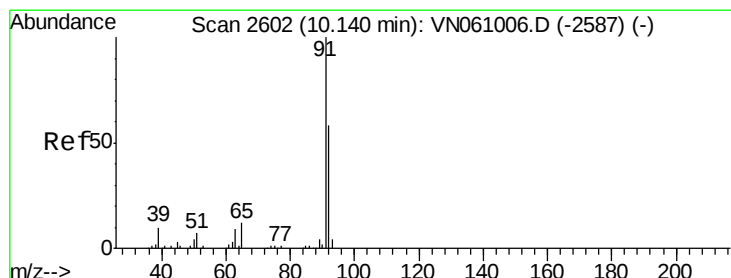
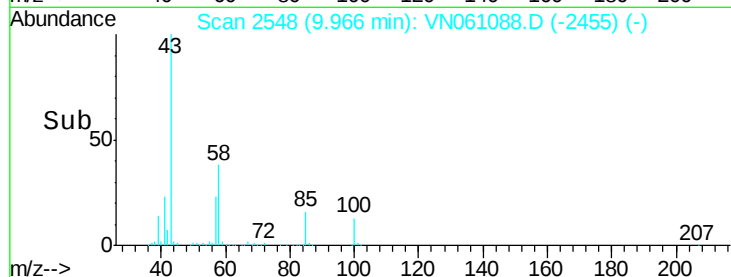
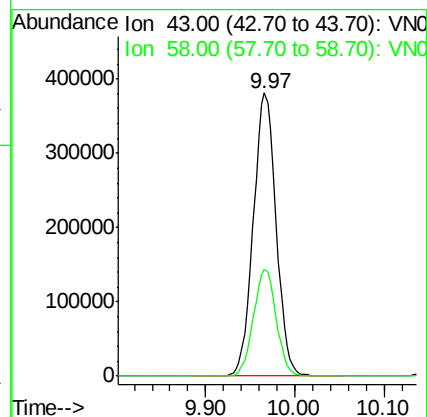
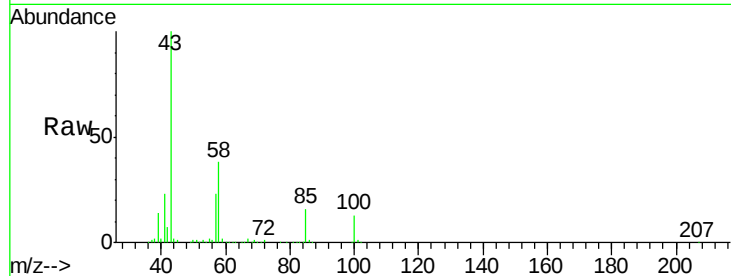
58 37.7 30.3 45.5

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#52

Toluene

Concen: 50.308 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061088.D

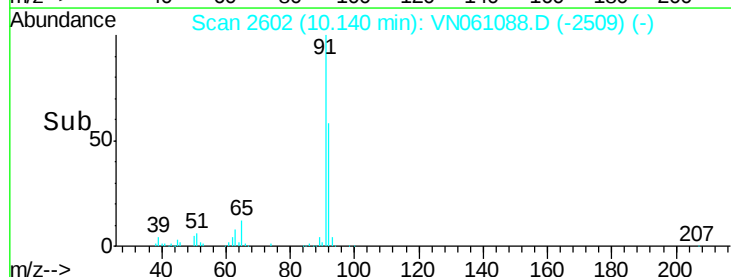
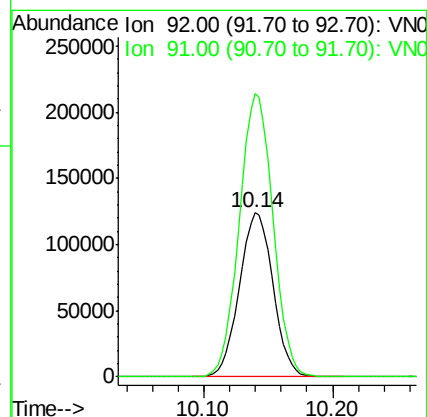
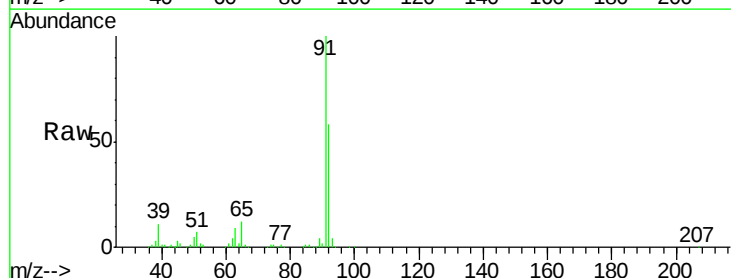
Acq: 18 Apr 2020 6:08

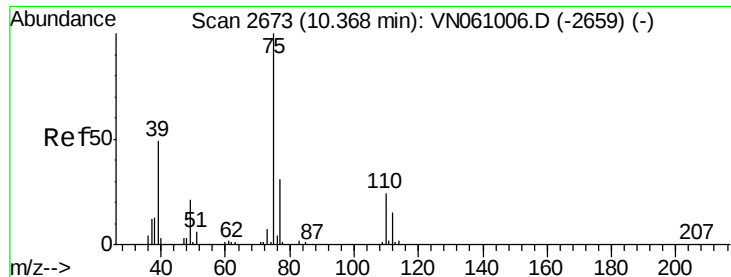
Tgt Ion: 92 Resp: 224749

Ion Ratio Lower Upper

92 100

91 173.1 137.7 206.5





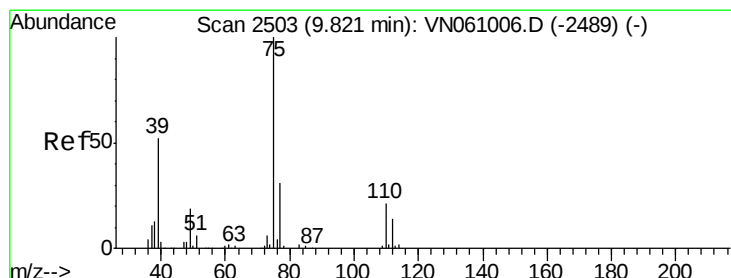
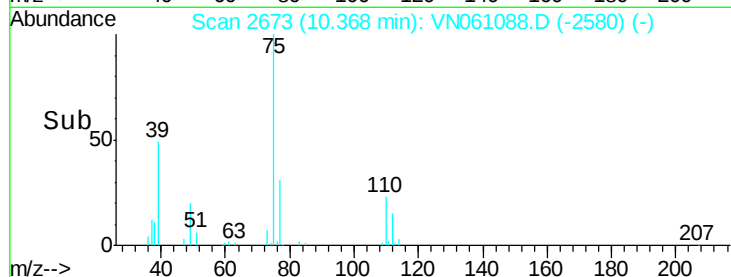
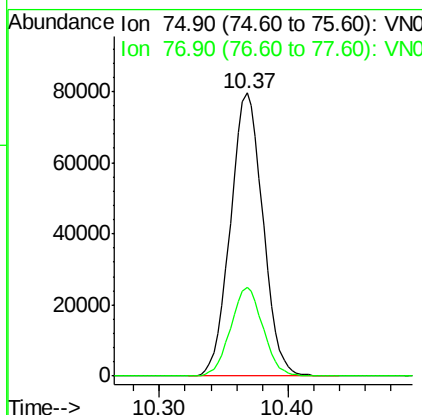
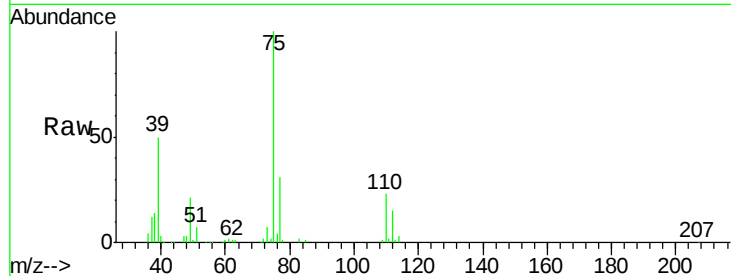
#53
t-1,3-Dichloropropene
Concen: 48.843 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

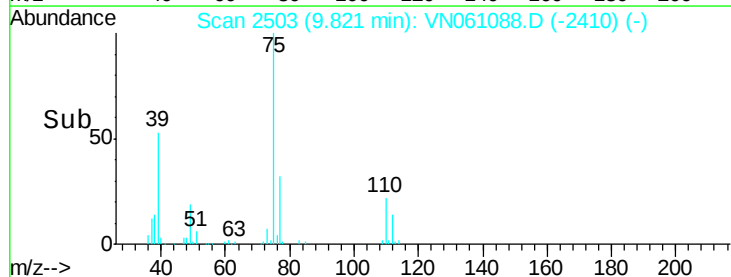
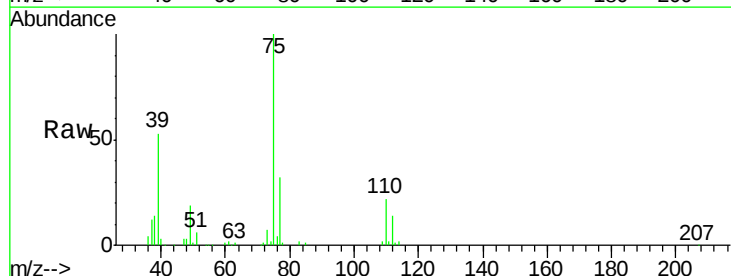
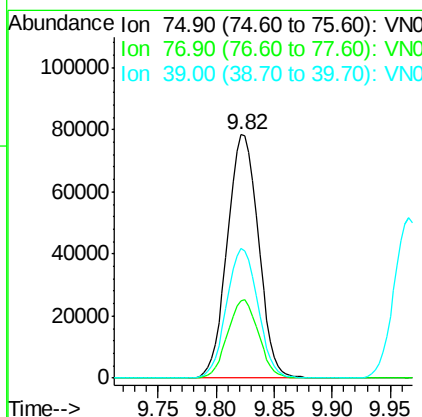
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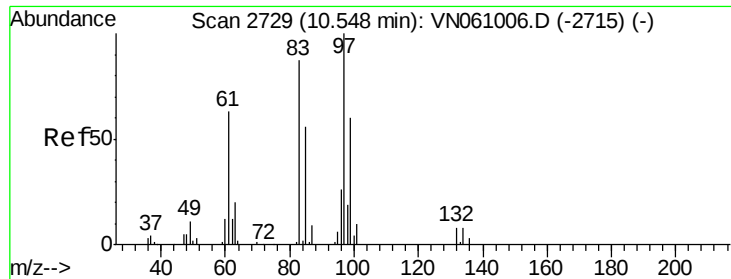
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#54
cis-1,3-Dichloropropene
Concen: 47.024 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6
39	53.0	41.4	62.2





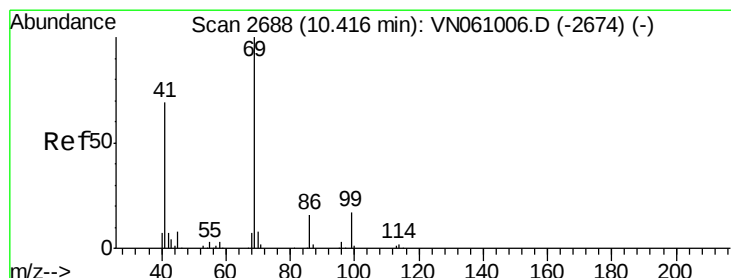
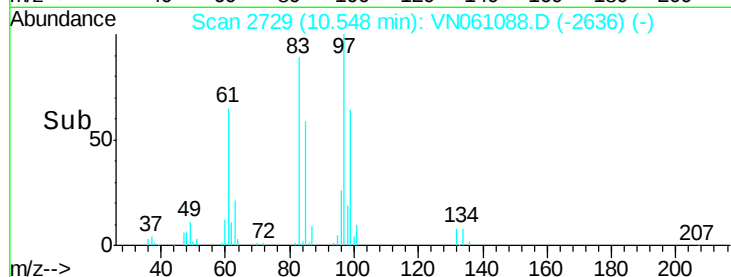
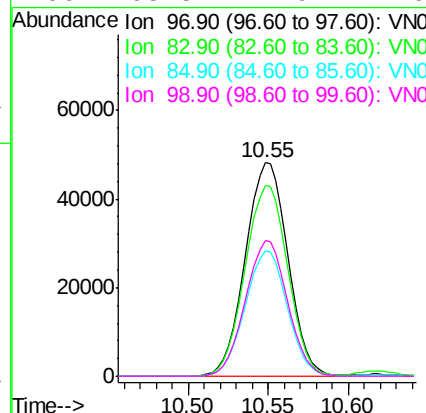
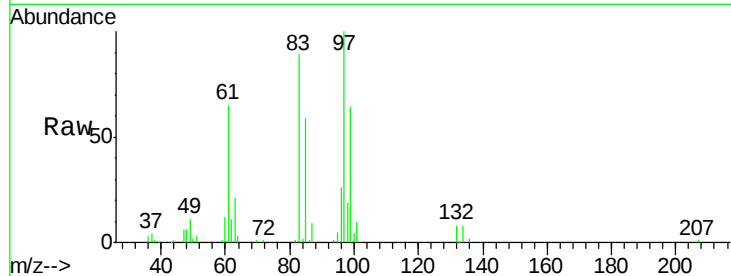
#55
 1,1,2-Trichloroethane
 Concen: 51.770 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion:	97	Resp:	87525
Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.5	104.3
85	58.9	45.0	67.4
99	63.5	47.9	71.9

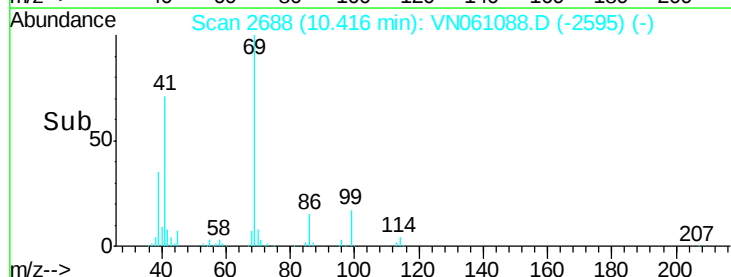
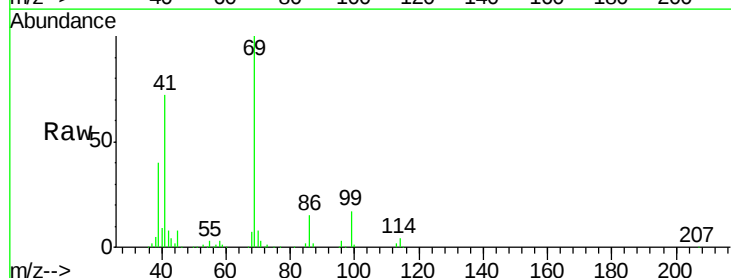
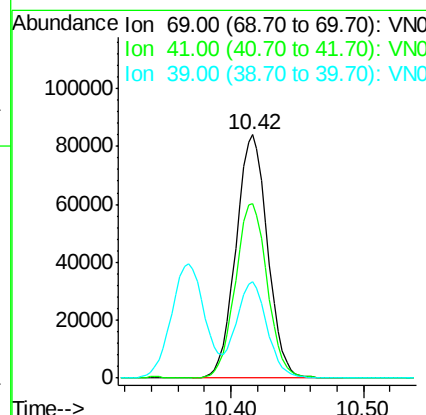
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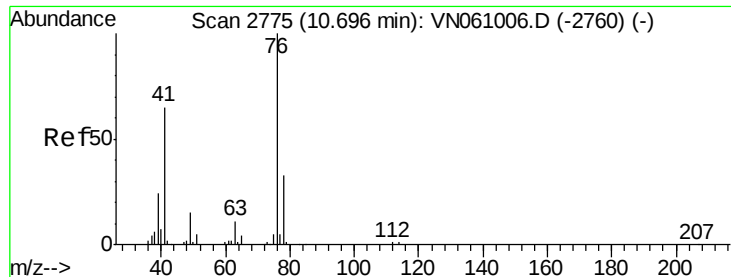
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#56
 Ethyl methacrylate
 Concen: 52.285 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion:	69	Resp:	139000
Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.7	85.1
39	38.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 51.064 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion: 76 Resp: 153988

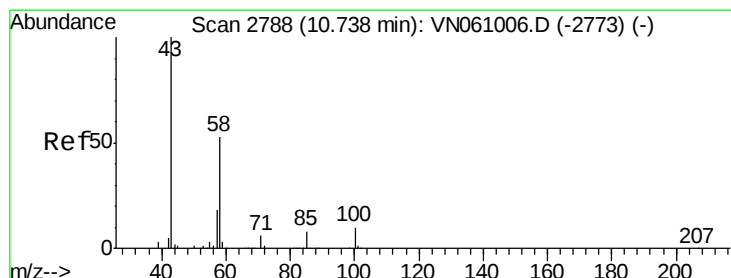
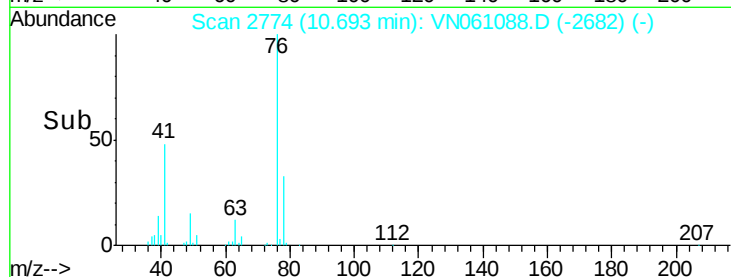
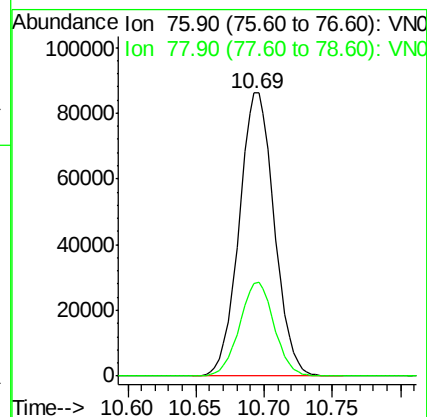
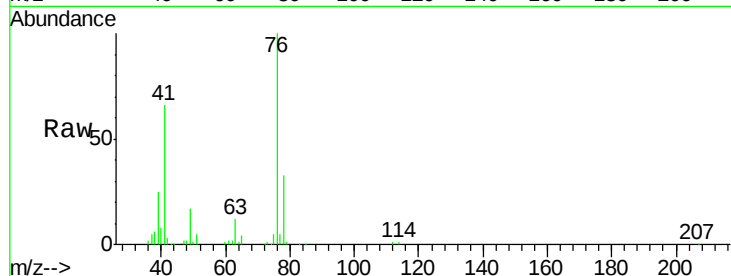
Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.0

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#59

2-Hexanone

Concen: 268.195 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.00 min

Lab File: VN061088.D

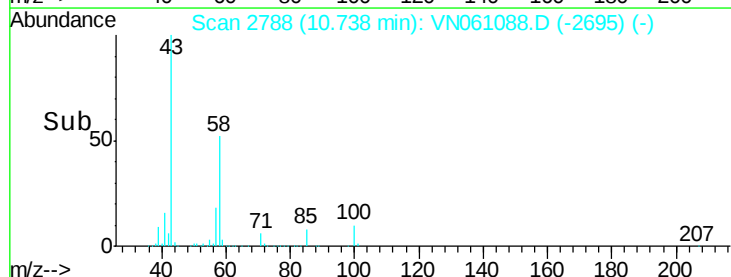
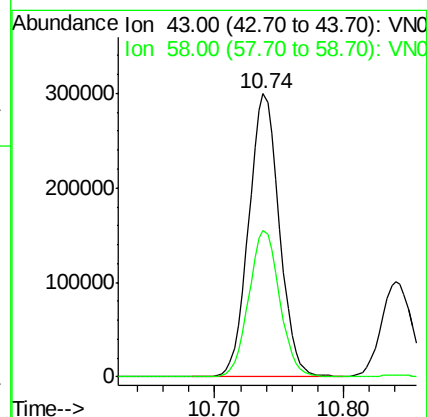
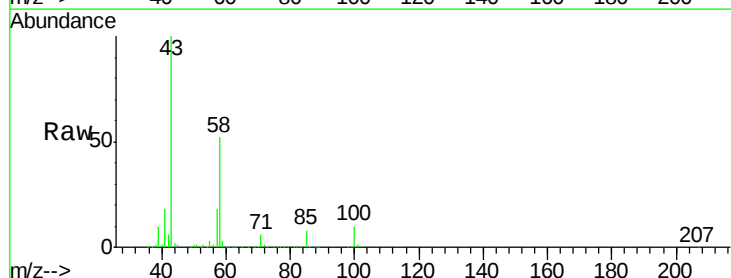
Acq: 18 Apr 2020 6:08

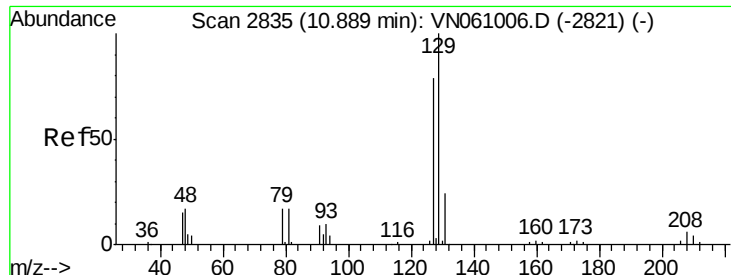
Tgt Ion: 43 Resp: 494266

Ion Ratio Lower Upper

43 100

58 52.4 26.4 79.0





#60

Dibromochloromethane

Concen: 53.419 ug/l

RT: 10.89 min Scan# 2835

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:129 Resp: 92773

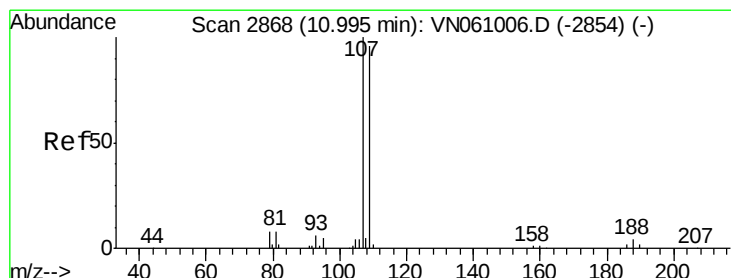
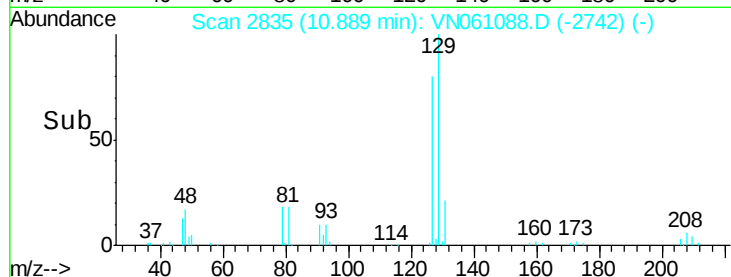
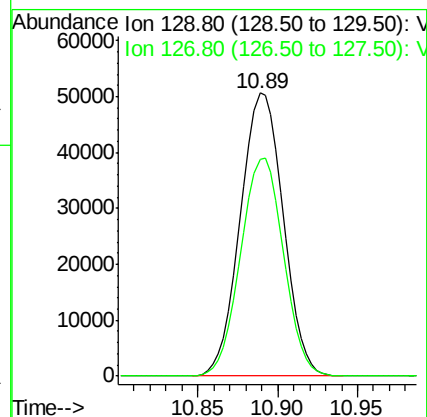
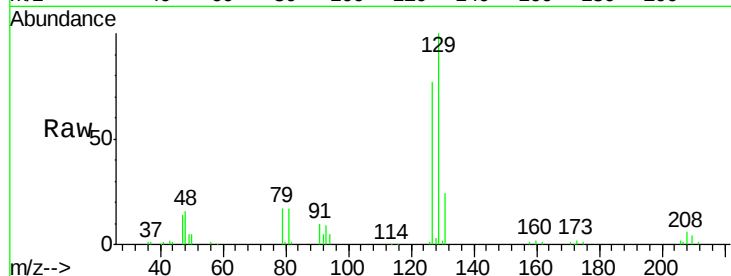
Ion Ratio Lower Upper

129 100

127 77.0 39.0 116.9

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#61

1,2-Dibromoethane

Concen: 52.037 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061088.D

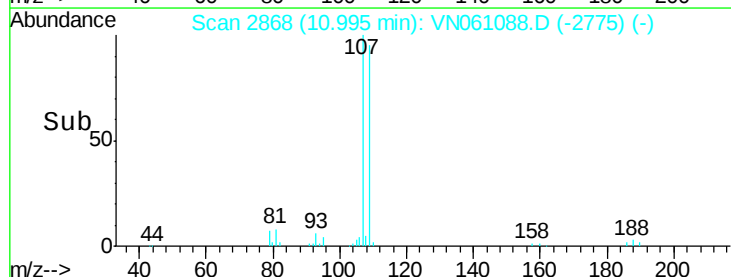
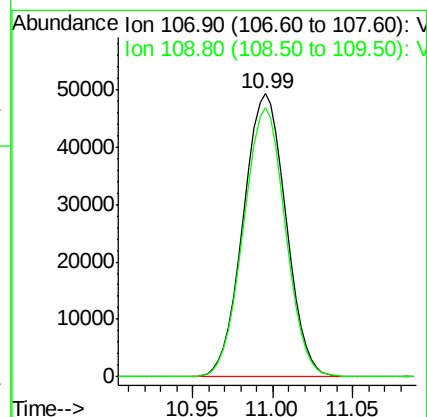
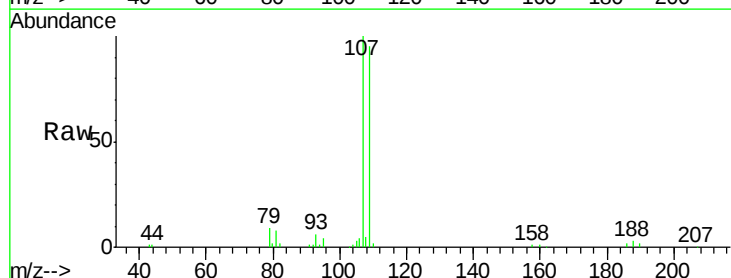
Acq: 18 Apr 2020 6:08

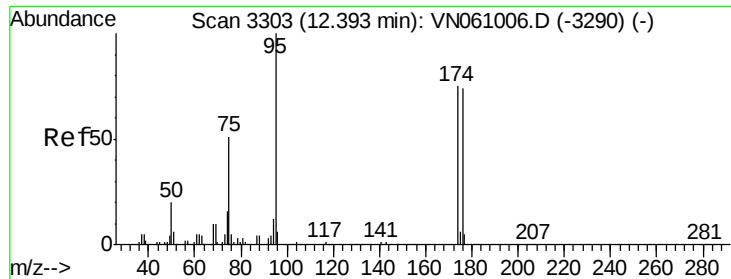
Tgt Ion:107 Resp: 89646

Ion Ratio Lower Upper

107 100

109 93.5 75.9 113.9





#62

4-Bromofluorobenzene

Concen: 47.861 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

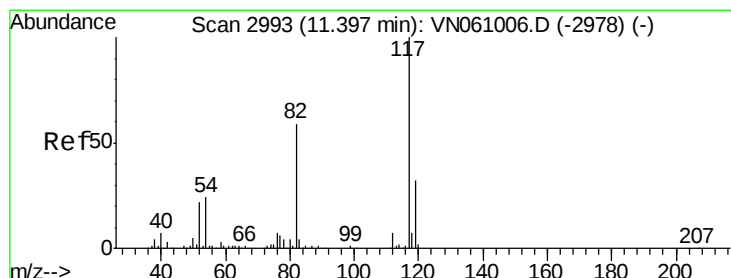
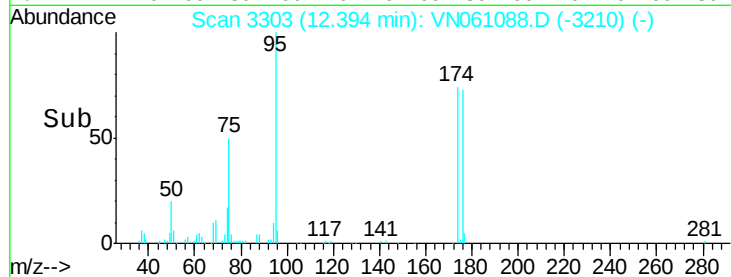
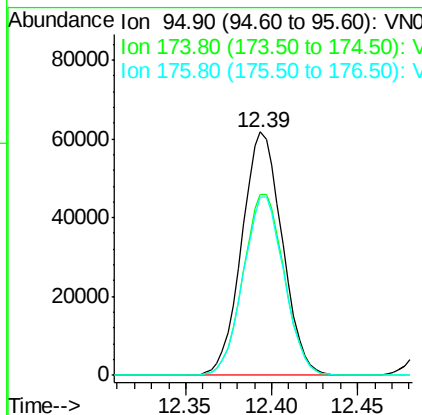
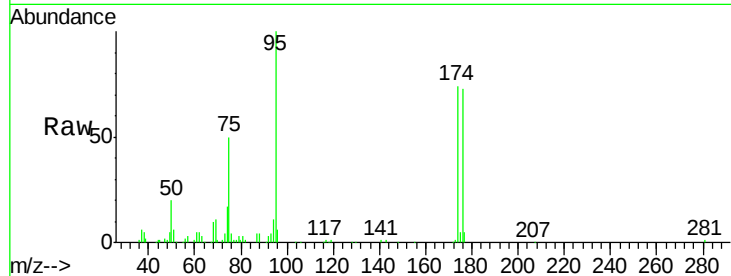
ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:	95	Resp:	100695
Ion Ratio	Lower	Upper	
95	100		
174	75.8	0.0	151.2
176	74.0	0.0	148.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

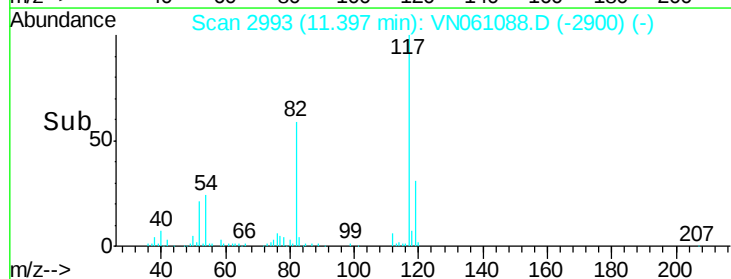
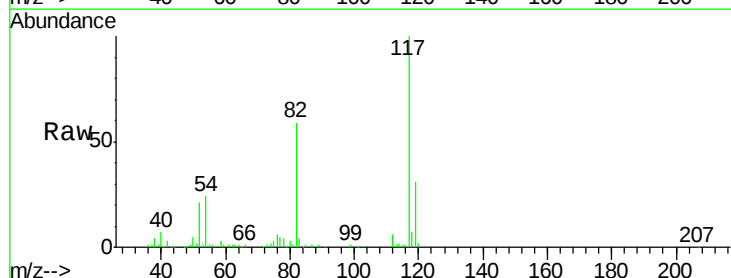
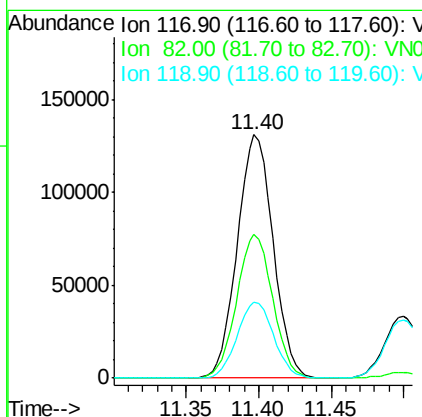
RT: 11.40 min Scan# 2993

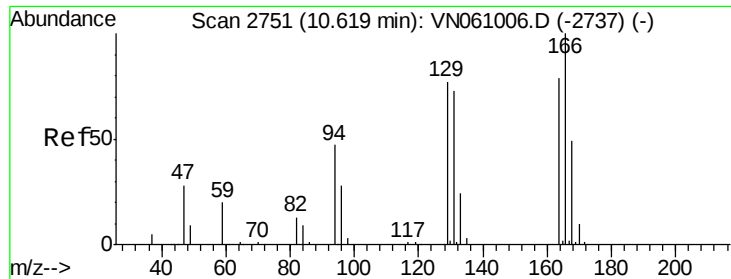
Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion:	117	Resp:	226074
Ion Ratio	Lower	Upper	
117	100		
82	59.1	47.1	70.7
119	31.2	25.7	38.5





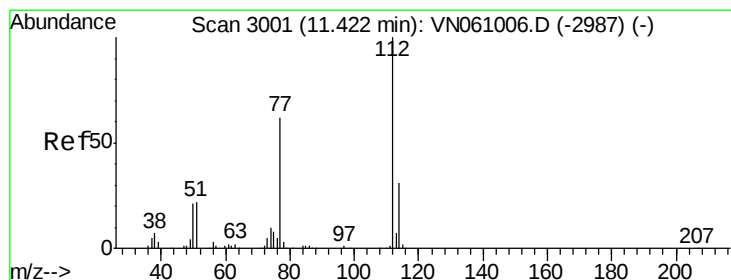
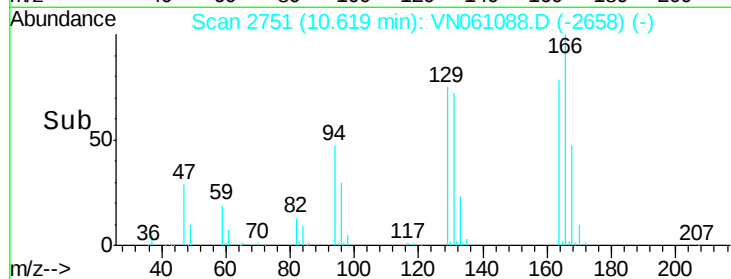
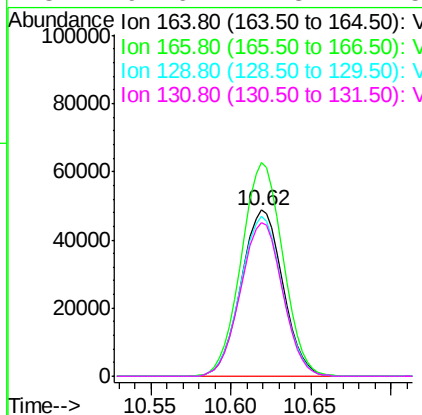
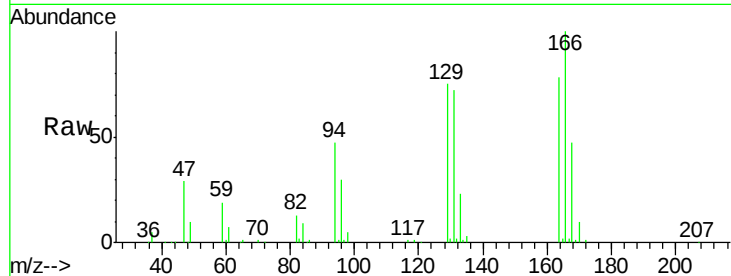
#64
Tetrachloroethene
Concen: 50.250 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.6	152.4
129	96.2	78.5	117.7
131	92.6	74.3	111.5

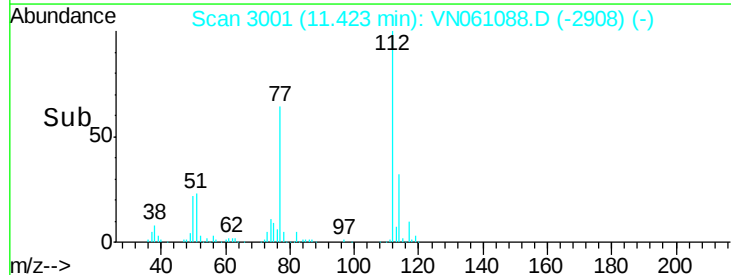
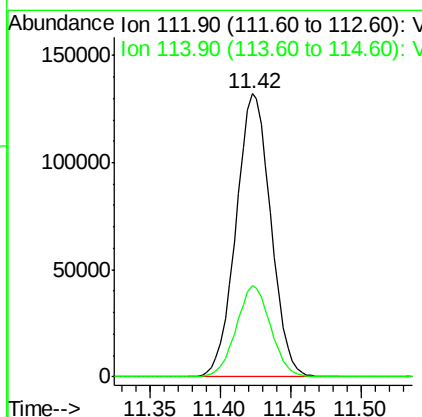
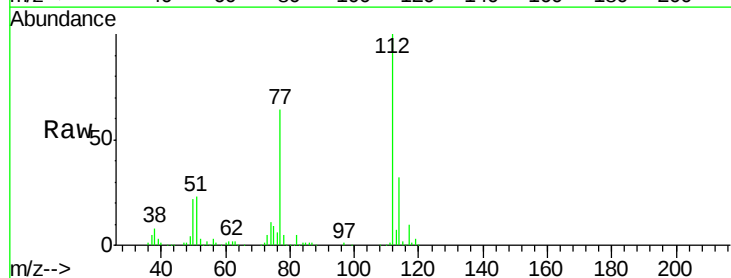
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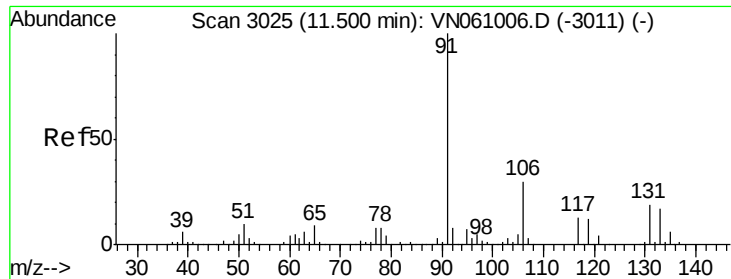
MMDadoda
4/20/2020 10:07:19 AM



#65
Chlorobenzene
Concen: 48.940 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.1	37.7





#66

1,1,1,2-Tetrachloroethane

Concen: 49.738 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

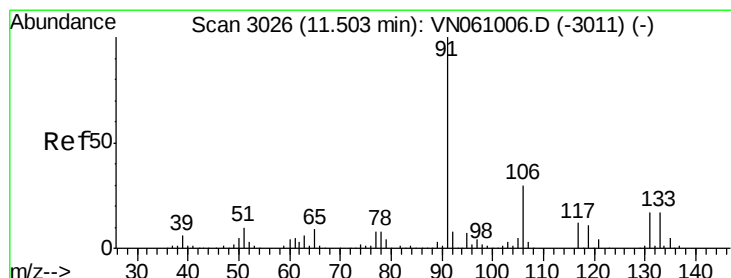
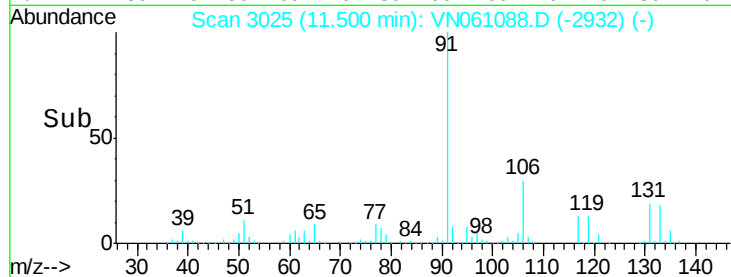
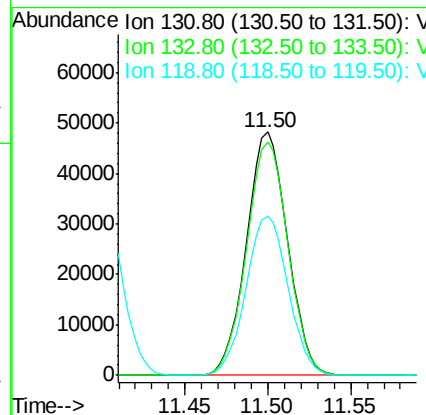
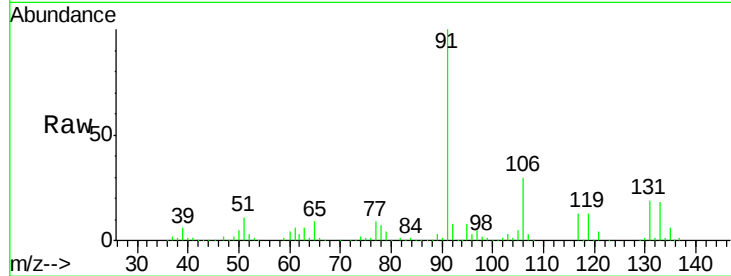
ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.9	143.8
119	67.0	33.3	99.8

Manual Integrations
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#67

Ethyl Benzene

Concen: 48.850 ug/l

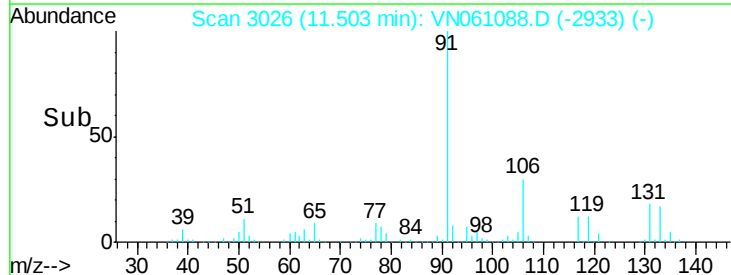
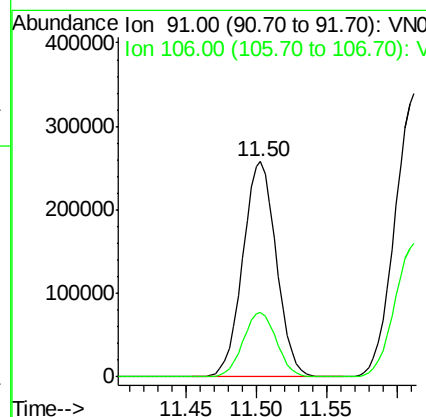
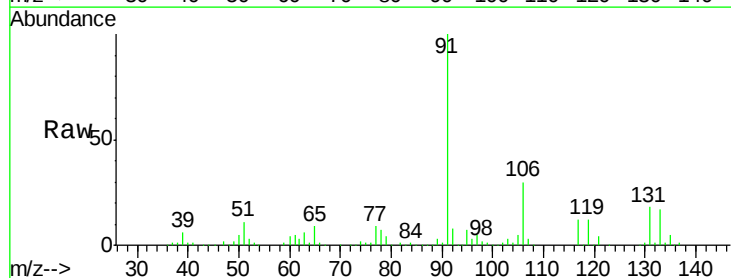
RT: 11.50 min Scan# 3026

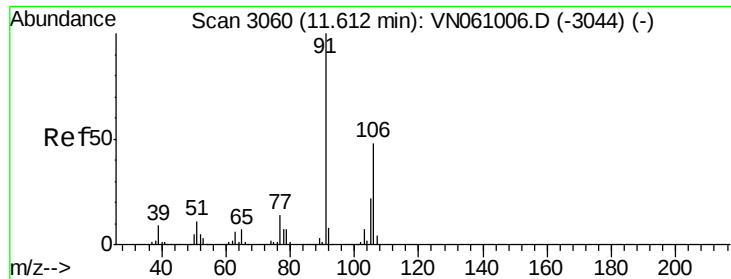
Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.8	35.8





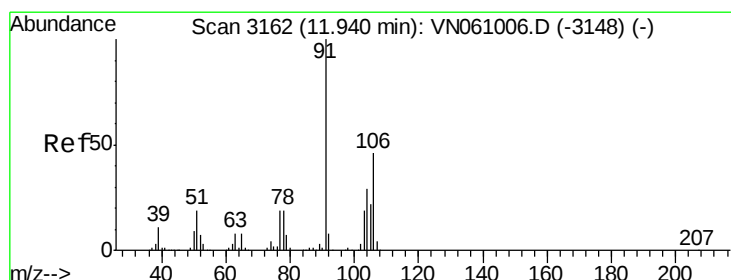
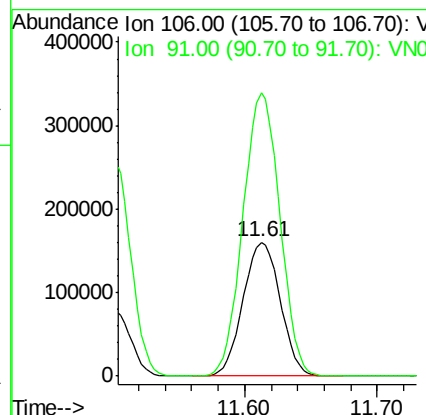
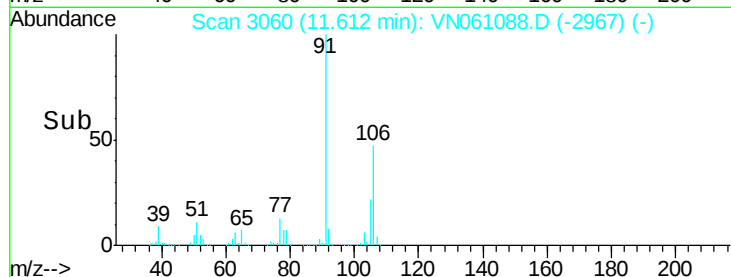
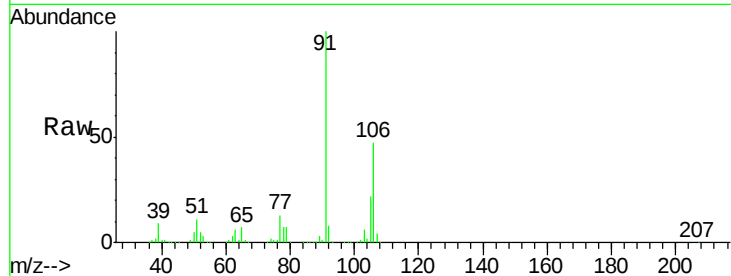
#68
m/p-Xylenes
Concen: 98.737 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.0	167.9	251.9		

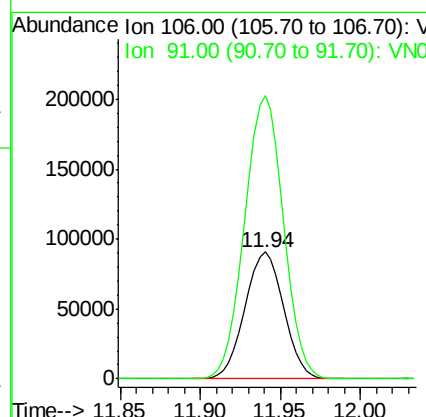
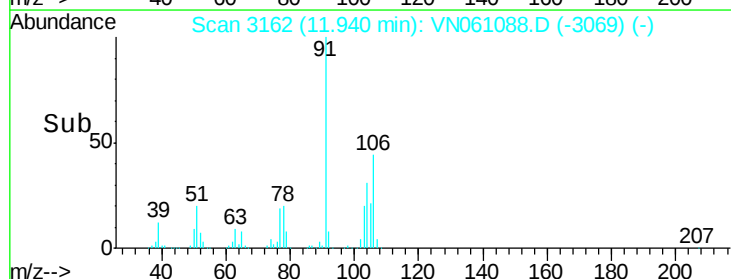
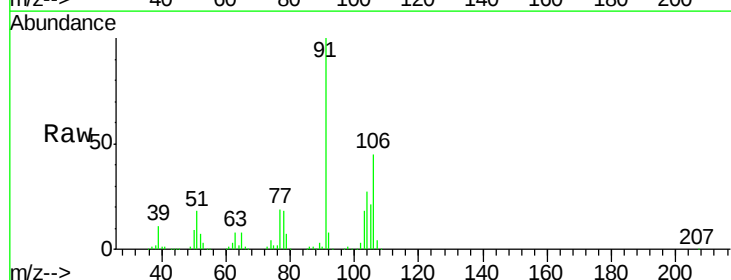
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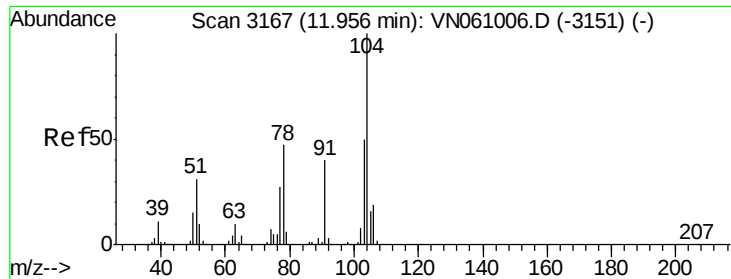
MMDadoda
4/20/2020 10:07:19 AM



#69
o-Xylene
Concen: 49.199 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	222.6	110.7	332.1		





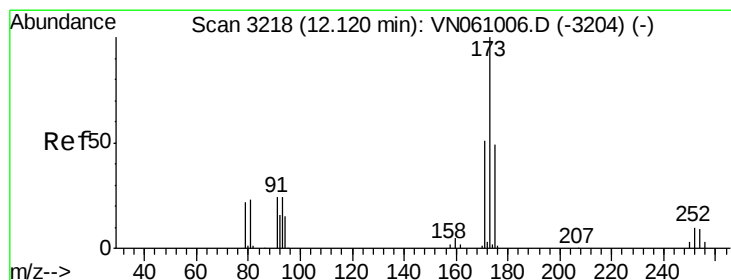
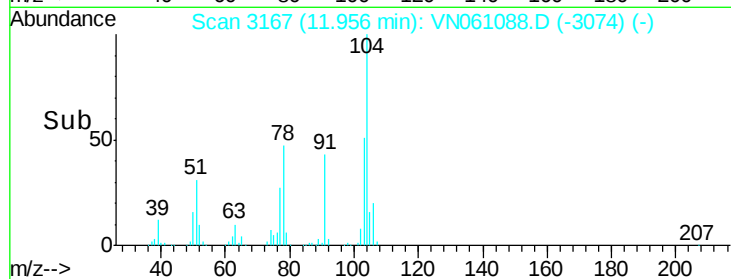
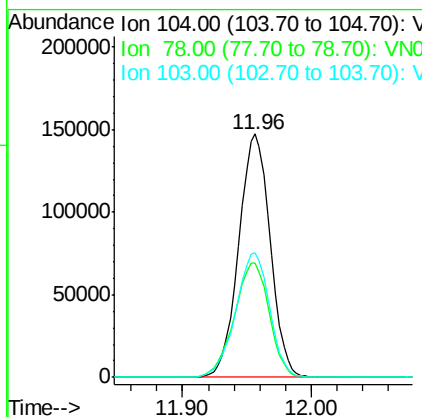
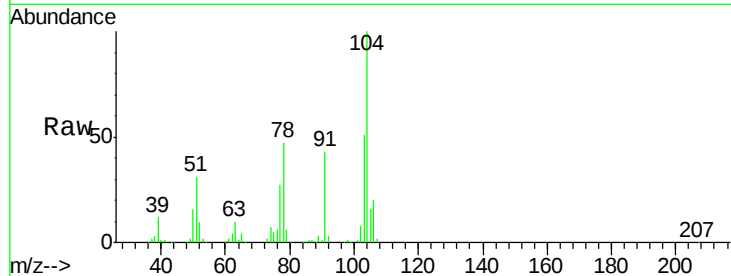
#70
Stvrene
Concen: 50.994 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	250426		
78	52.2		42.2	63.4
103	55.0		44.4	66.6

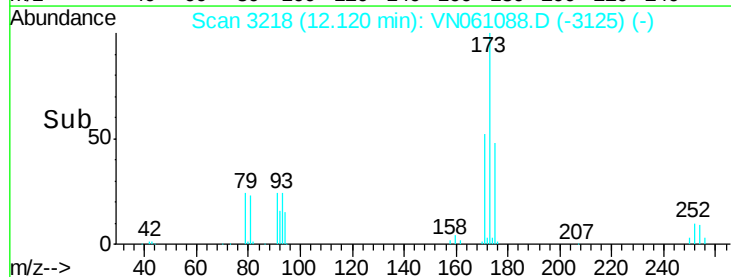
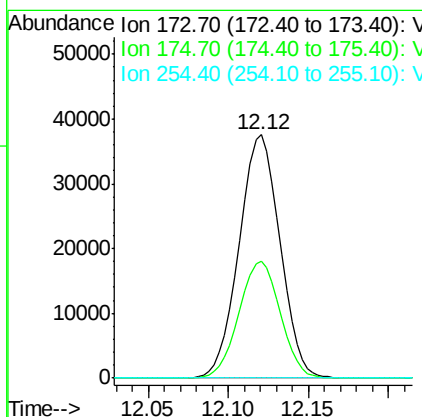
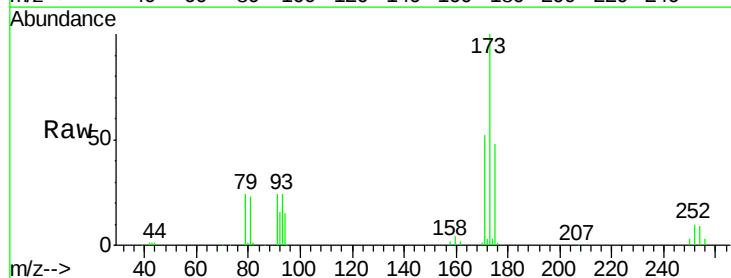
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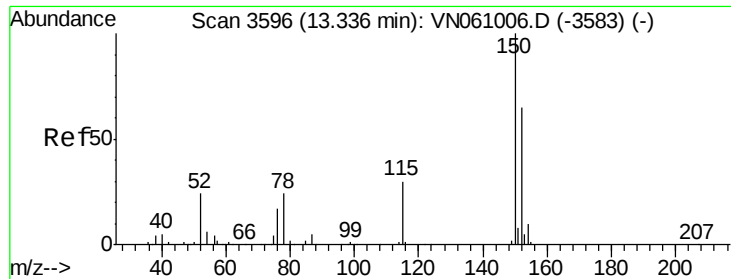
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#71
Bromoform
Concen: 52.474 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	65400		
175	48.5		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: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:152 Resp: 106488

Ion Ratio Lower Upper

152 100

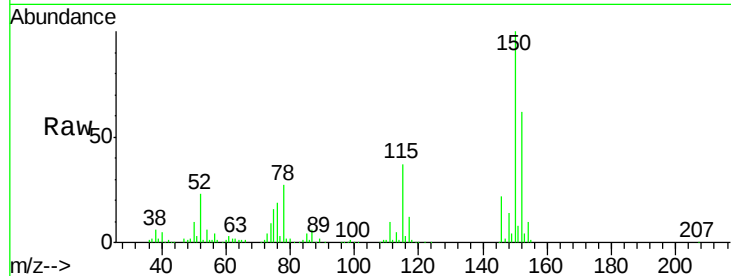
115 60.9 30.8 92.4

150 175.5 0.0 349.0

Manual Integrations
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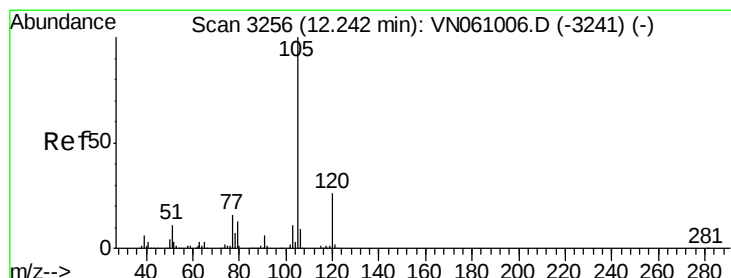
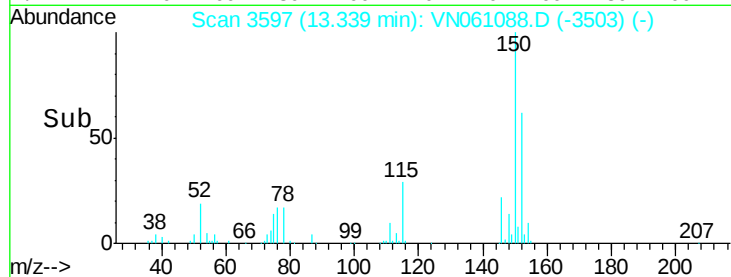
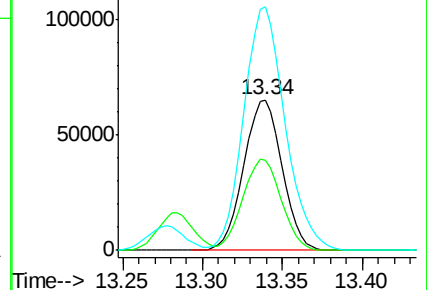
4/20/2020 10:07:19 AM



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: 47.141 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061088.D

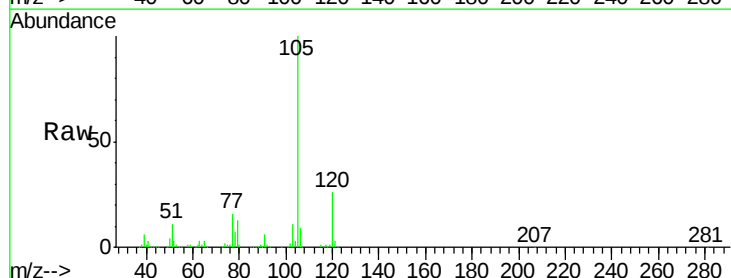
Acq: 18 Apr 2020 6:08

Tgt Ion:105 Resp: 402177

Ion Ratio Lower Upper

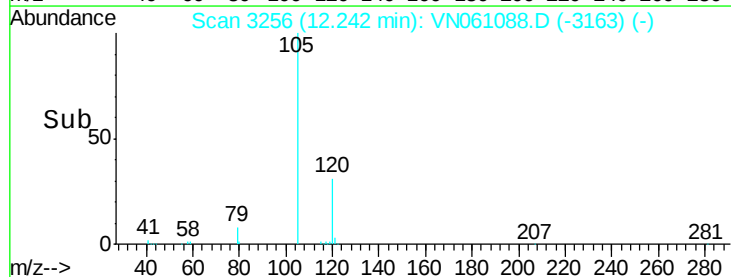
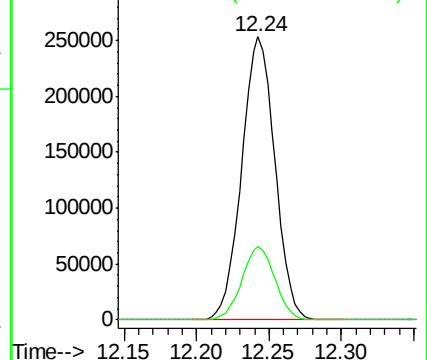
105 100

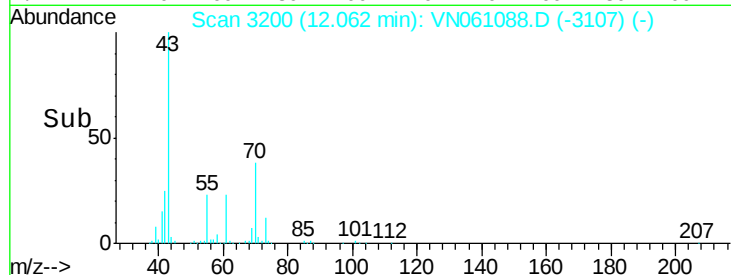
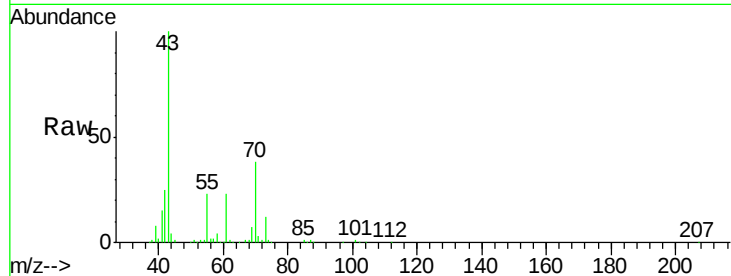
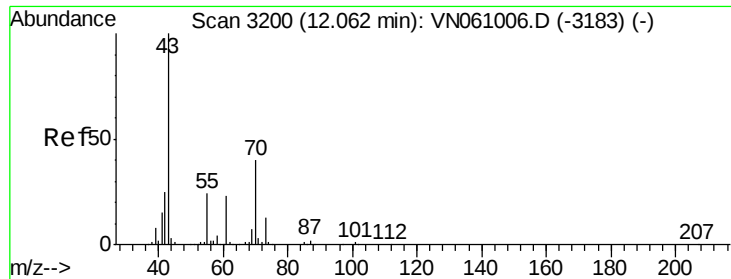
120 25.8 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 41.032 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

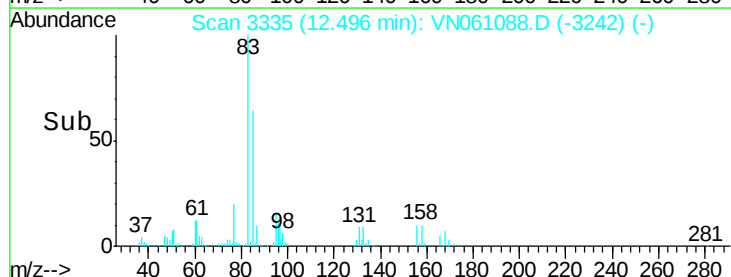
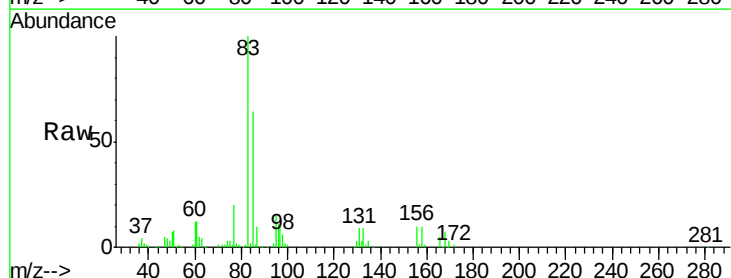
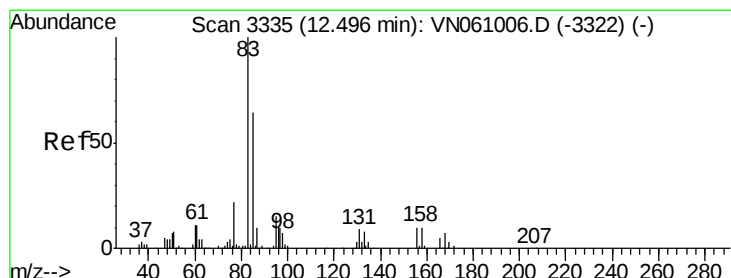
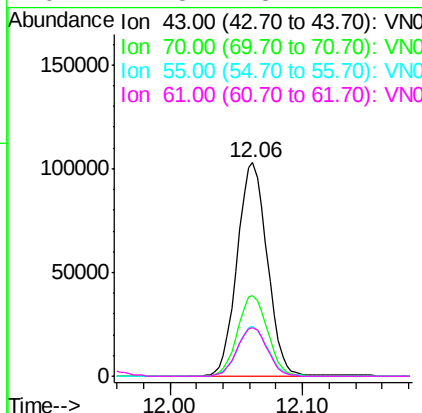
ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
70	37.7	31.0	46.6		
55	23.3	18.6	27.8		
61	22.8	18.2	27.4		

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.754 ug/l

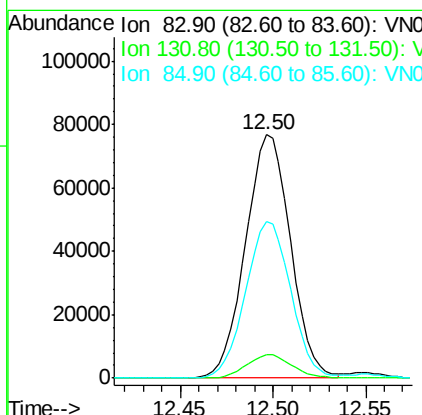
RT: 12.50 min Scan# 3335

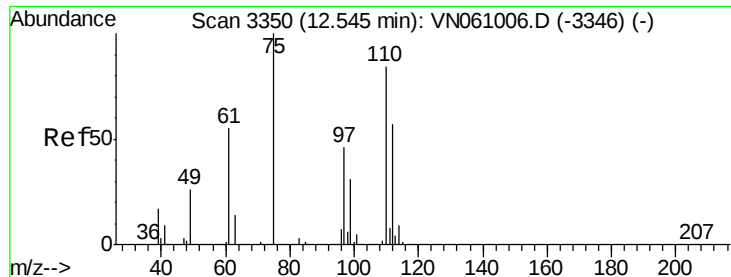
Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
131	9.5	4.8	14.3		
85	64.3	32.3	96.8		





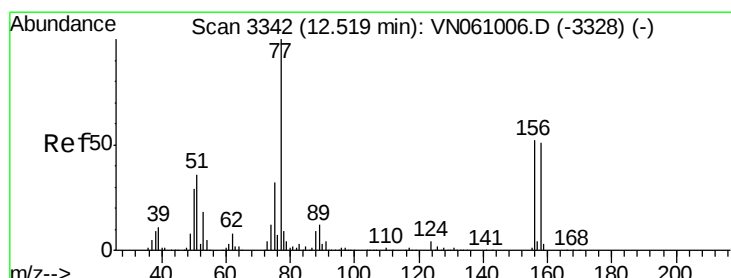
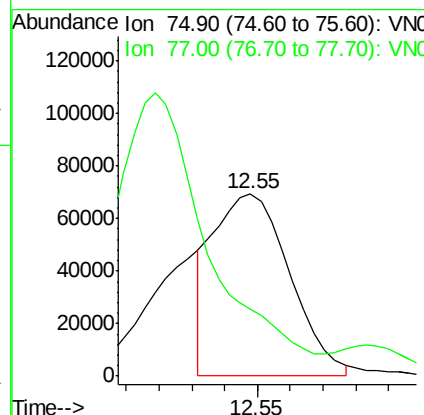
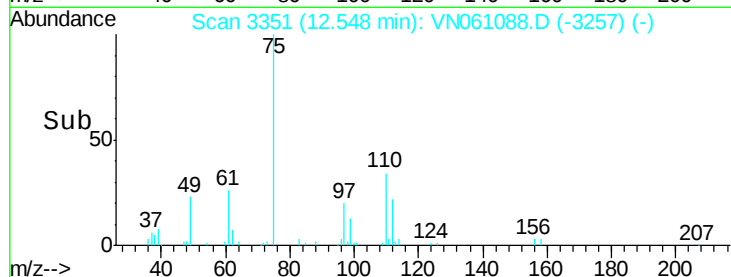
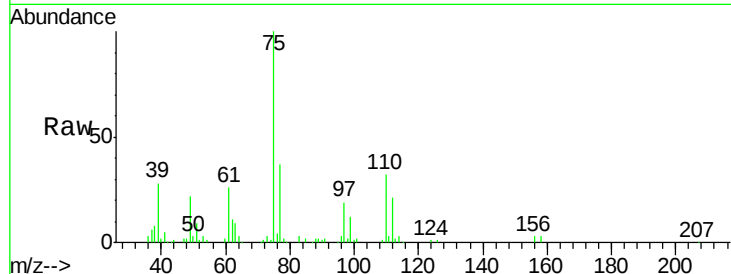
#76
 1,2,3-Trichloropropane
 Concen: 47.776 ug/l m
 RT: 12.55 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion: 75 Resp: 111906
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

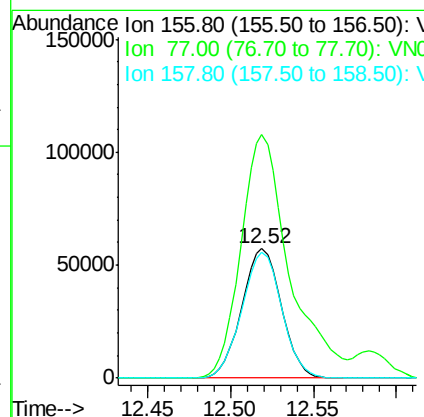
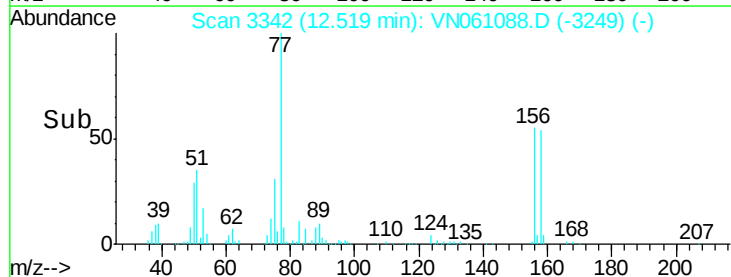
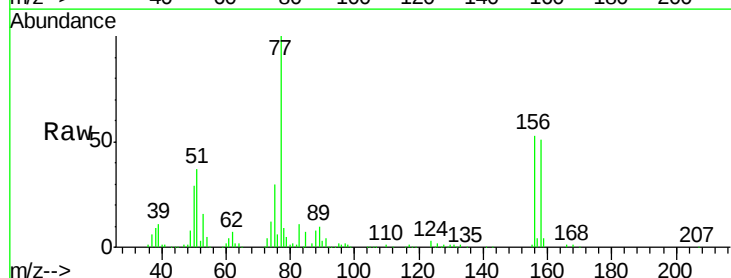
Manual Integrations
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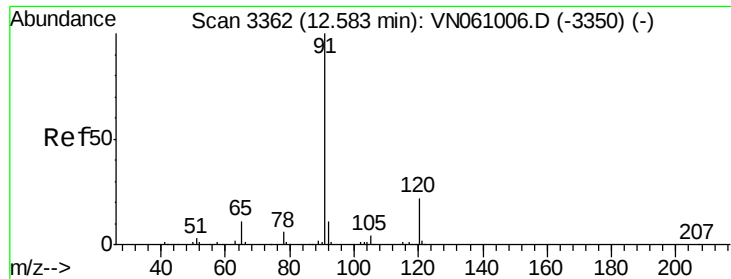
MMDadoda
 4/20/2020 10:07:19 AM



#77
 Bromobenzene
 Concen: 48.073 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion: 156 Resp: 95756
 Ion Ratio Lower Upper
 156 100
 77 229.1 115.6 346.8
 158 97.3 48.9 146.6





#78

n-propylbenzene

Concen: 47.894 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion: 91 Resp: 478047

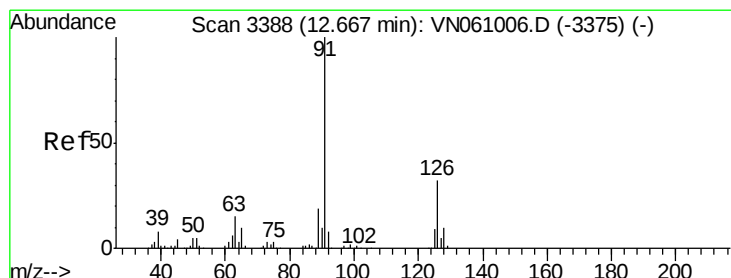
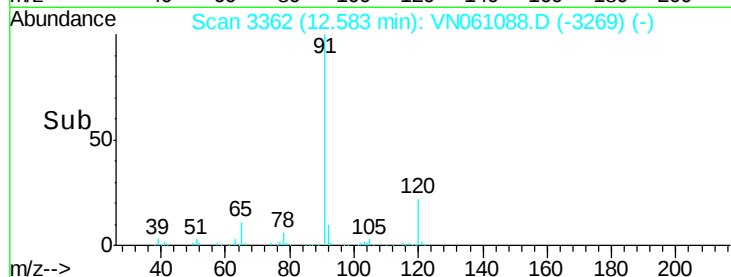
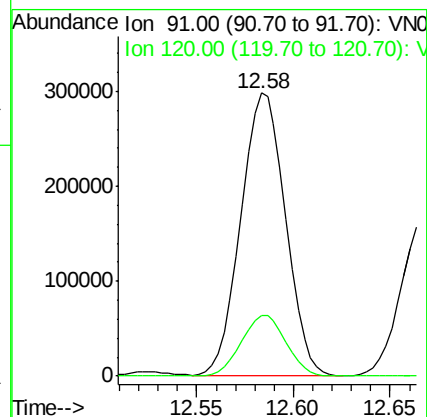
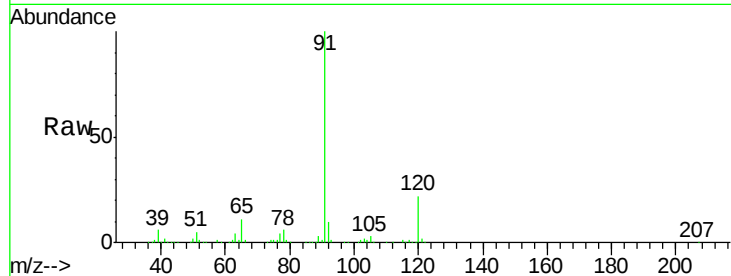
Ion Ratio Lower Upper

91 100

120 21.6 10.9 32.7

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#79

2-Chlorotoluene

Concen: 48.174 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061088.D

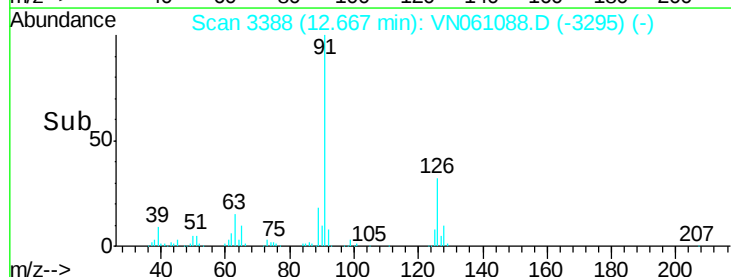
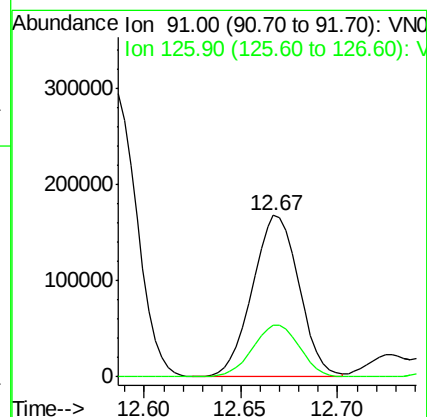
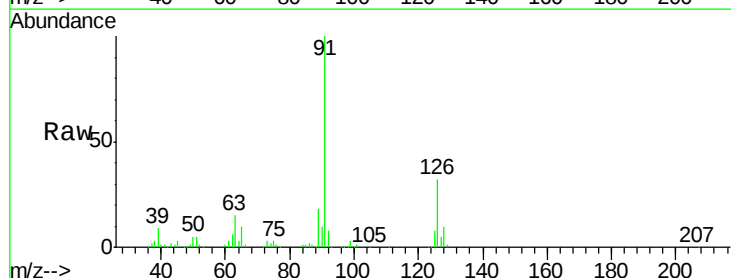
Acq: 18 Apr 2020 6:08

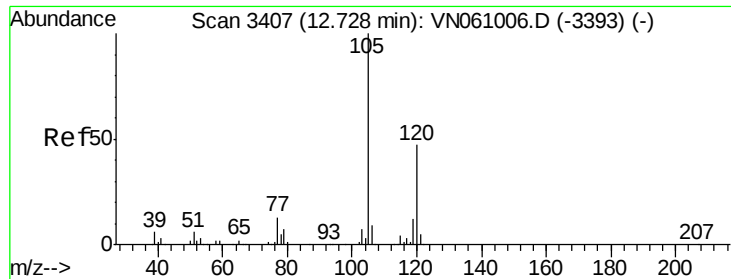
Tgt Ion: 91 Resp: 282015

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.2





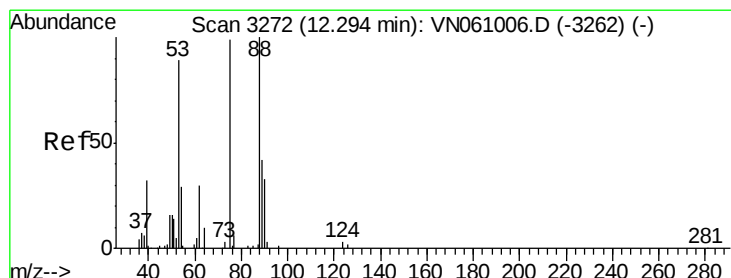
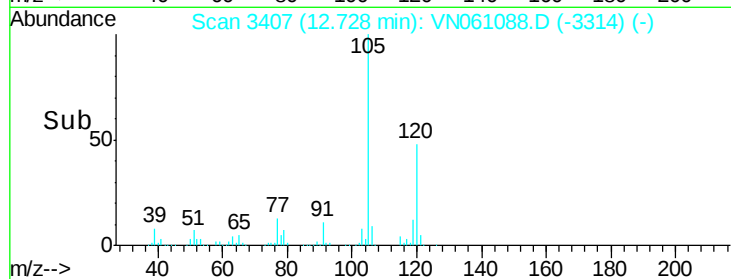
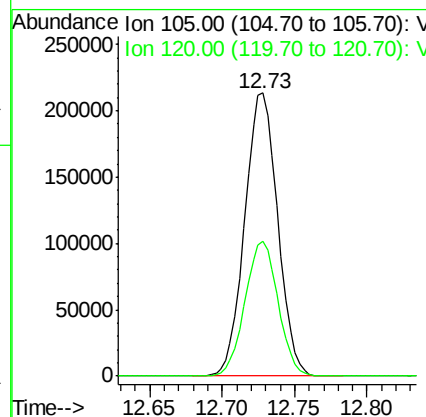
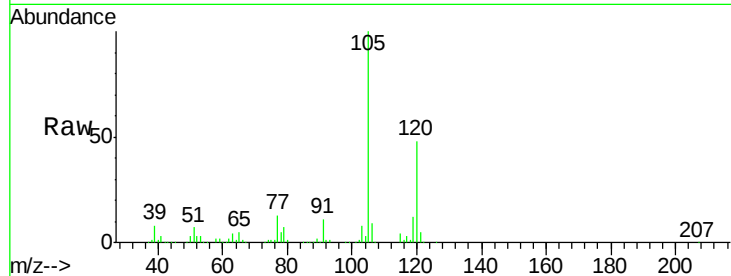
#80
 1,3,5-Trimethylbenzene
 Concen: 47.928 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	70.8

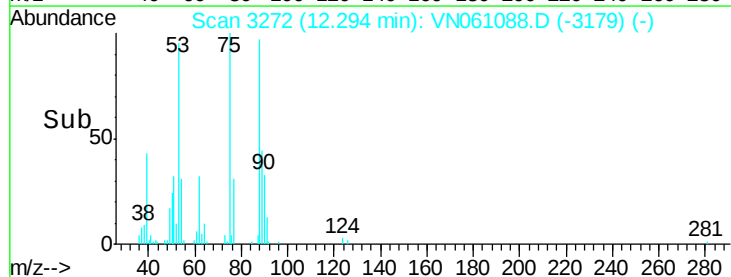
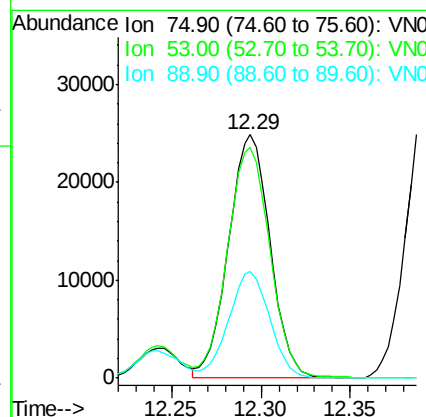
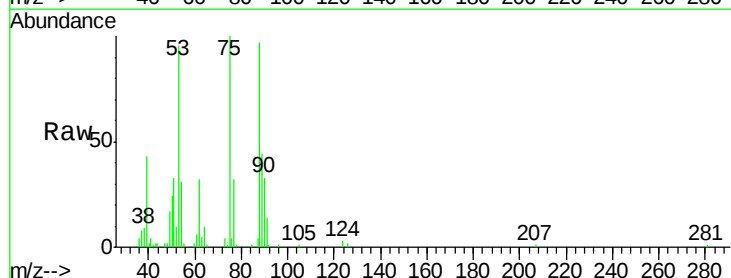
Manual Integrations
 APPROVED

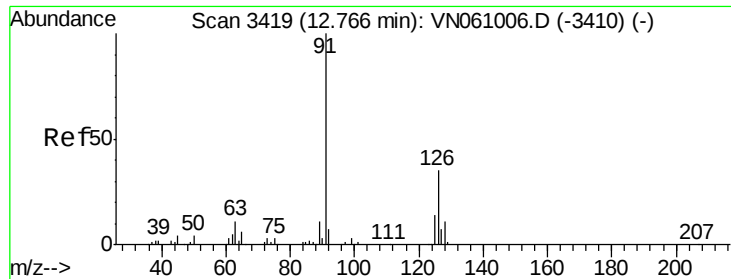
MMDadoda
 4/20/2020 10:07:19 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.533 ug/l
 RT: 12.29 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
75	100		
53	95.5	74.7	112.1
89	43.1	34.6	52.0





#82

4-Chlorotoluene

Concen: 48.079 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion: 91 Resp: 291908

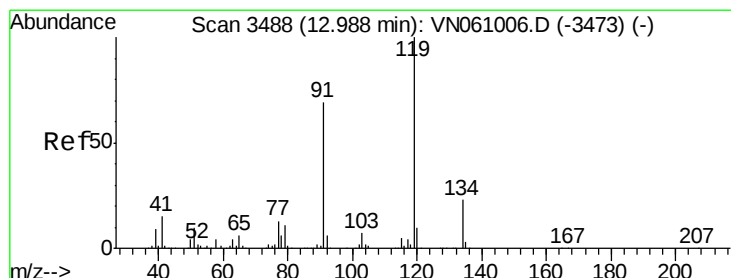
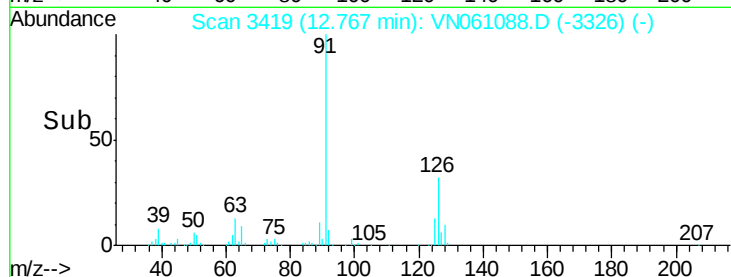
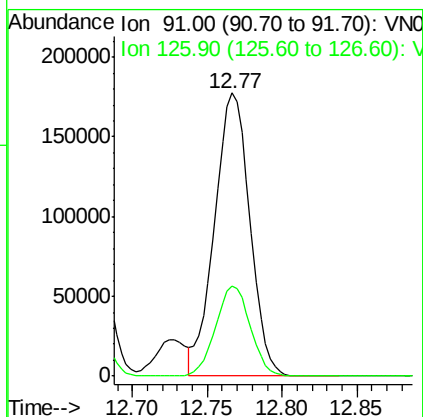
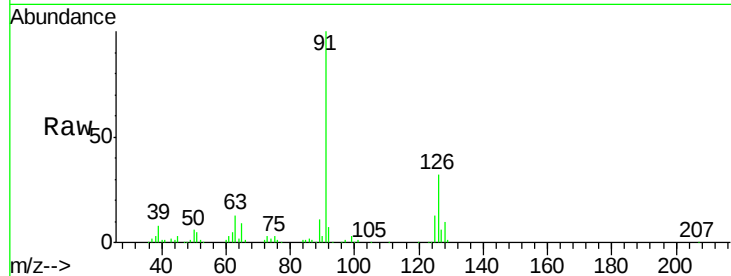
Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.6

Manual Integrations
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#83

tert-Butylbenzene

Concen: 48.005 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

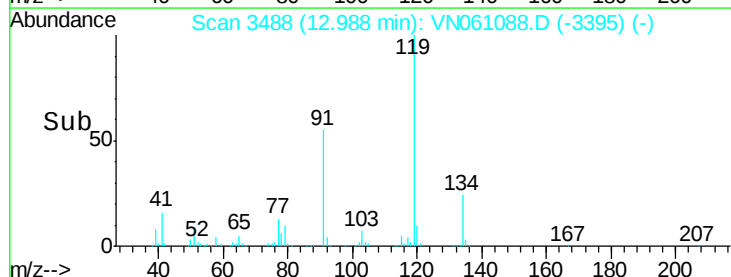
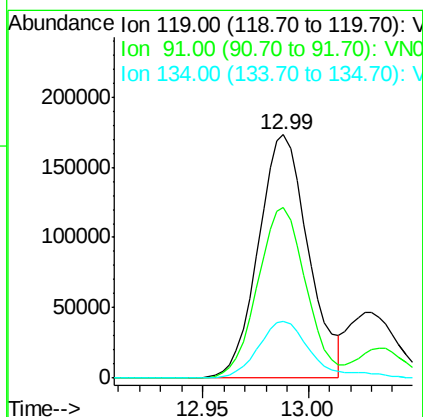
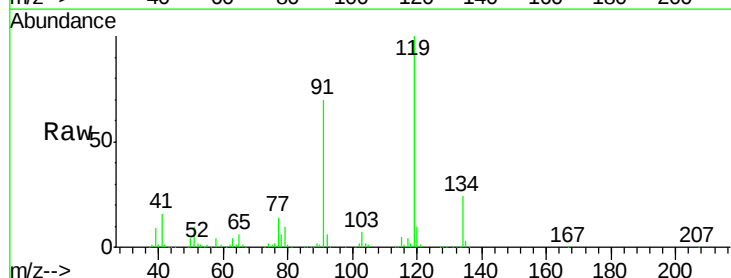
Tgt Ion: 119 Resp: 284686

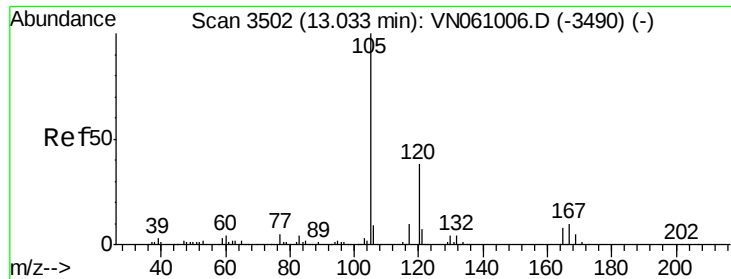
Ion Ratio Lower Upper

119 100

91 68.5 34.1 102.3

134 24.9 12.4 37.2





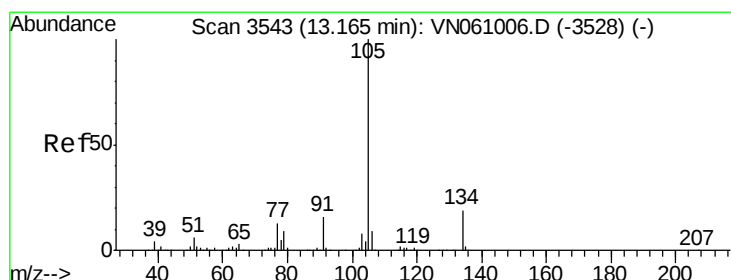
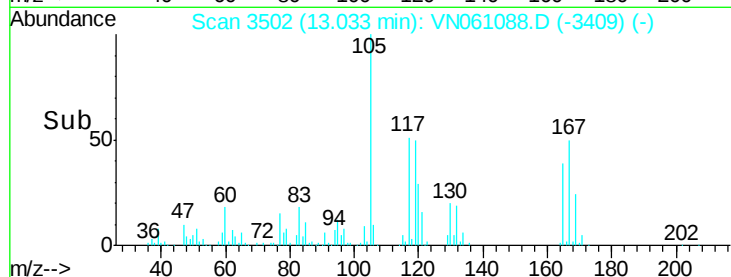
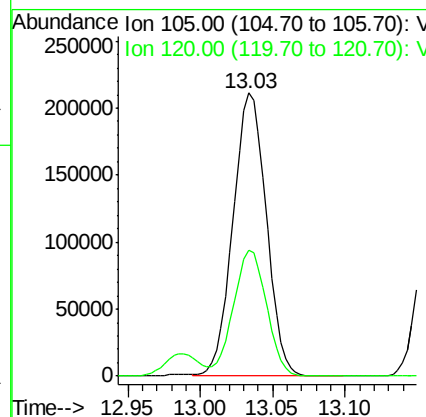
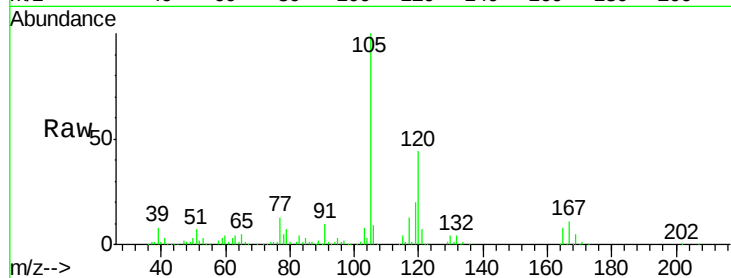
#84
 1,2,4-Trimethylbenzene
 Concen: 48.379 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5

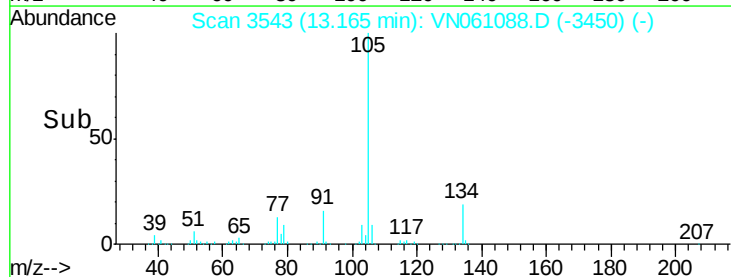
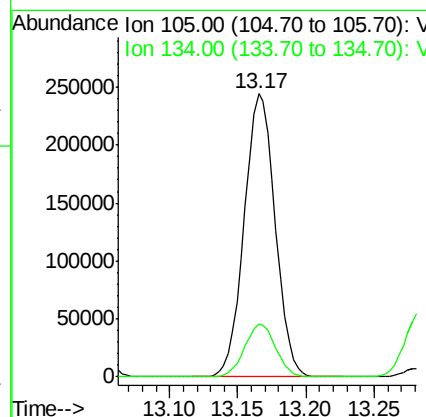
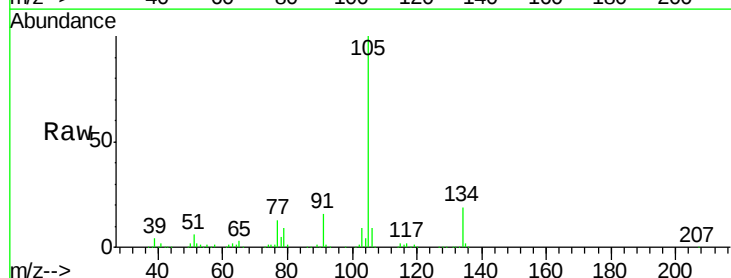
Manual Integrations
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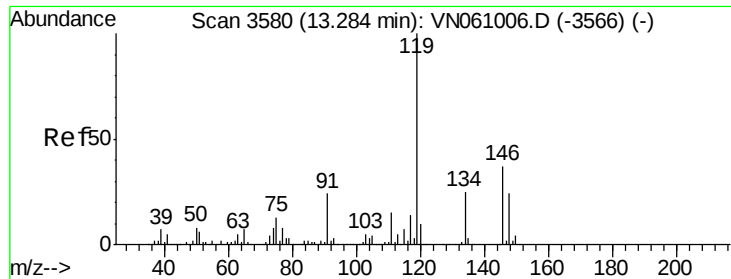
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#85
 sec-Butylbenzene
 Concen: 47.843 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.5	28.5





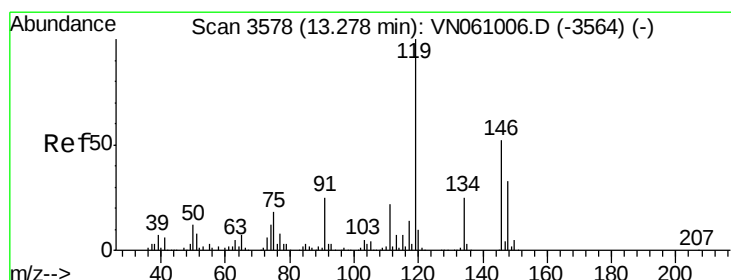
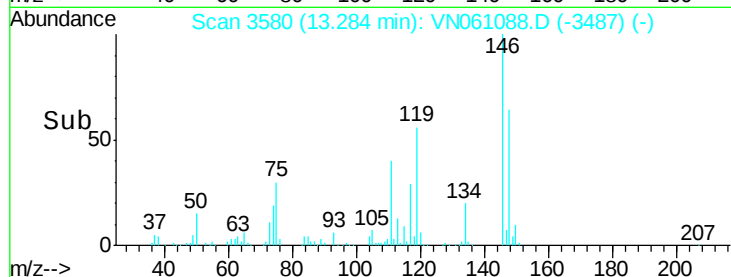
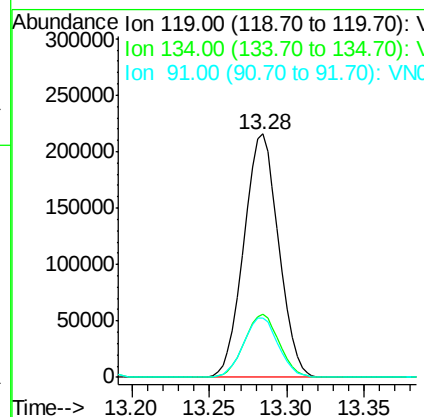
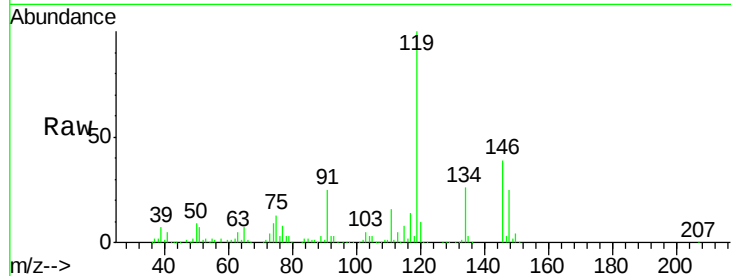
#86
 p-Isopropyltoluene
 Concen: 47.021 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	336446		
134	25.9	12.8	38.4	
91	24.7	12.3	36.8	

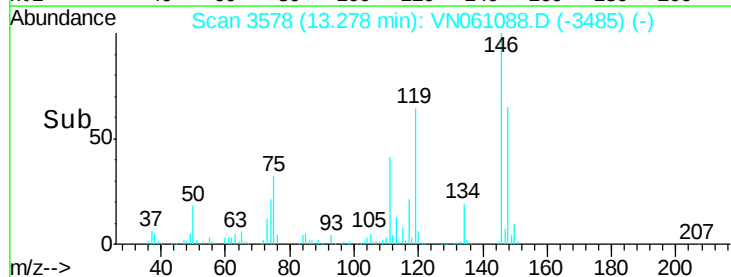
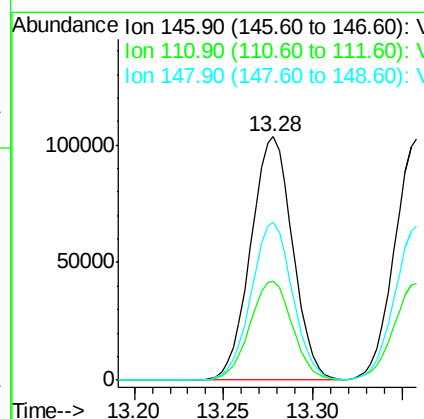
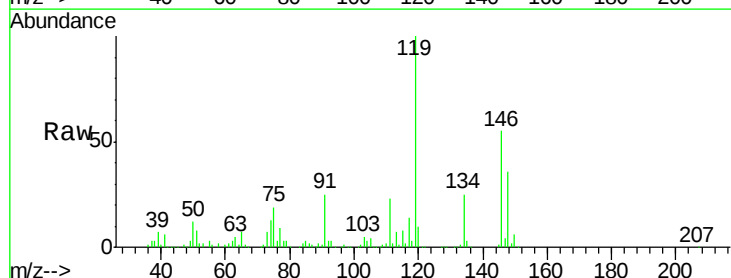
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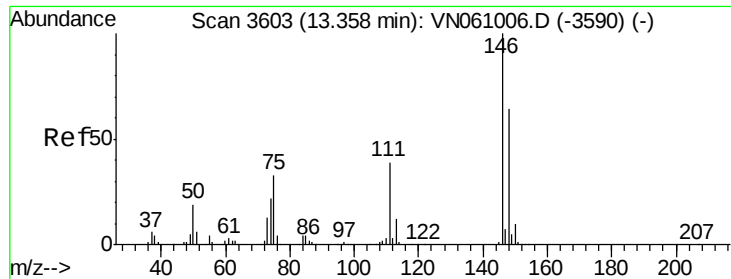
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#87
 1,3-Dichlorobenzene
 Concen: 47.823 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	169765		
111	41.0	20.6	61.8	
148	64.3	31.8	95.3	





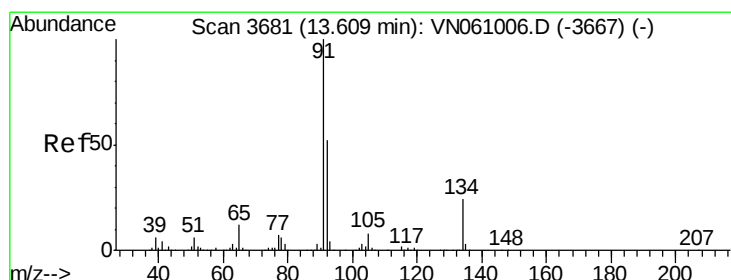
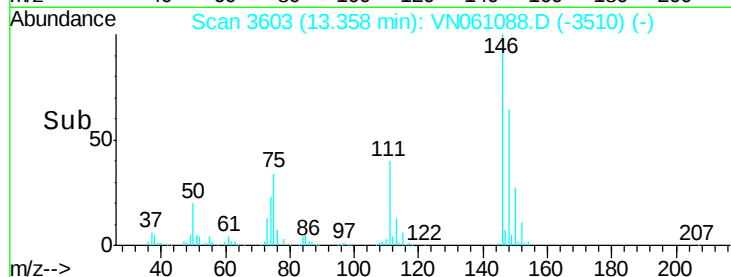
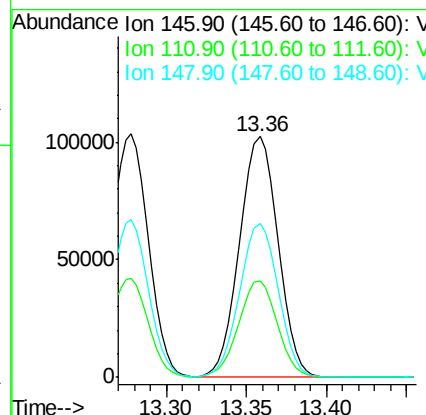
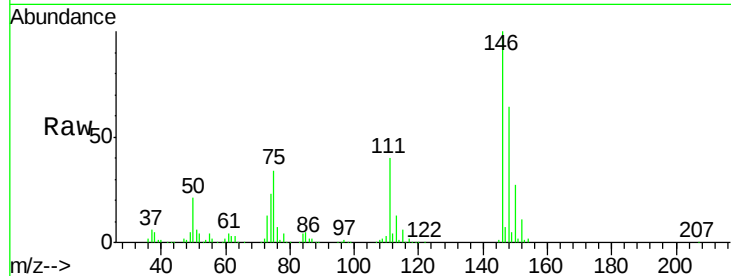
#88
 1,4-Dichlorobenzene
 Concen: 47.213 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168611		
111	40.3	20.1	60.3	
148	63.9	32.1	96.3	

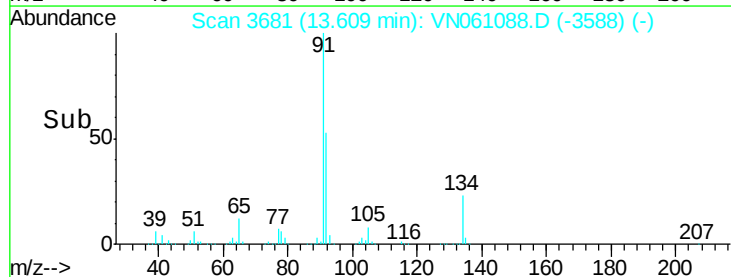
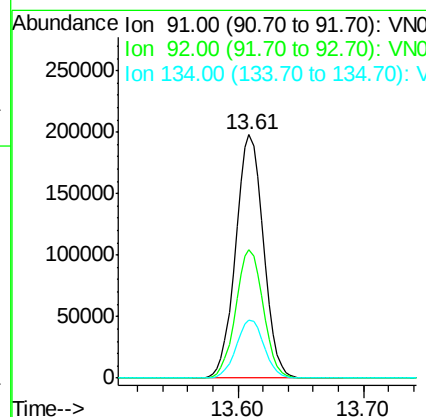
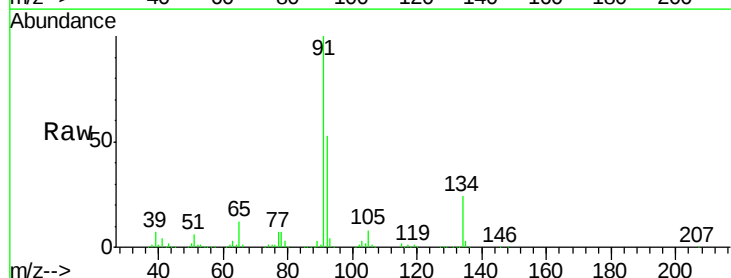
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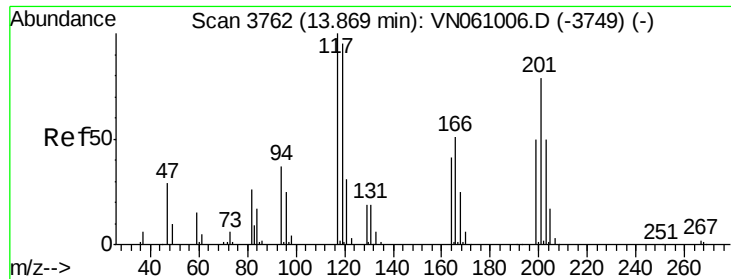
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#89
 n-Butylbenzene
 Concen: 45.609 ug/l
 RT: 13.61 min Scan# 3681
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	303472		
92	52.2	26.1	78.2	
134	23.9	12.3	36.8	





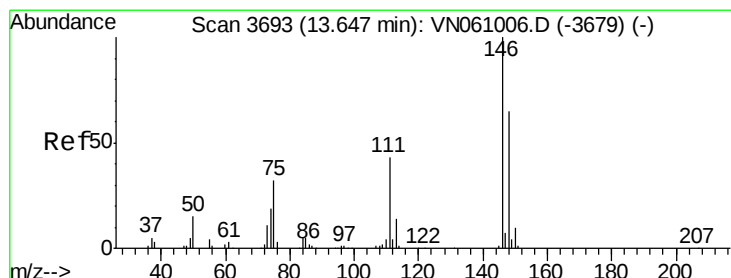
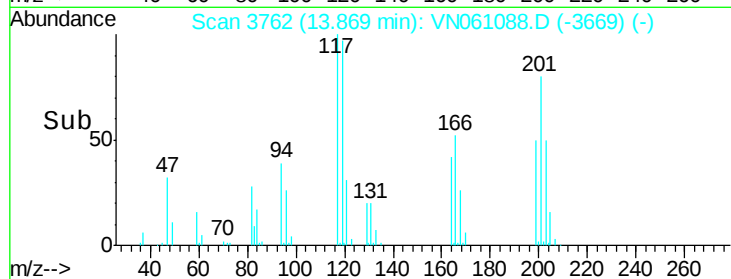
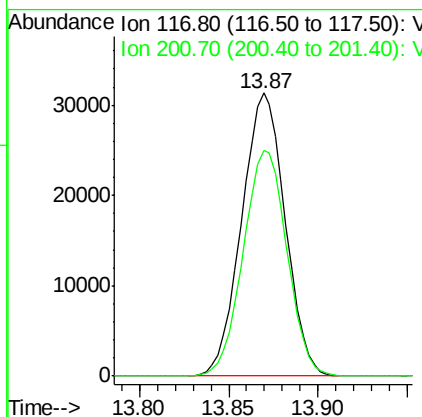
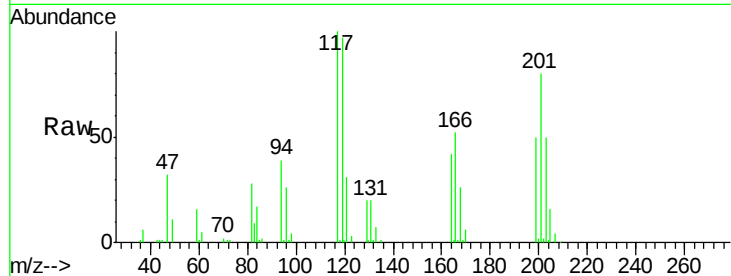
#90
Hexachloroethane
Concen: 48.536 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion:117 Resp: 53282
Ion Ratio Lower Upper
117 100
201 80.2 39.3 117.9

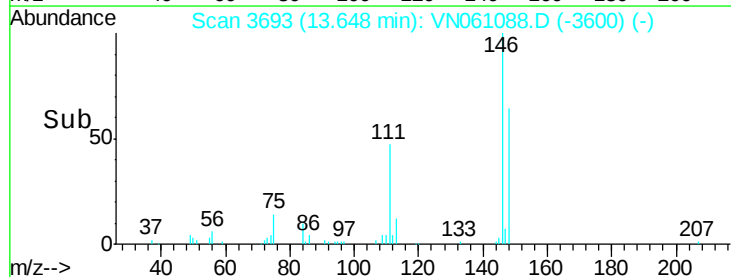
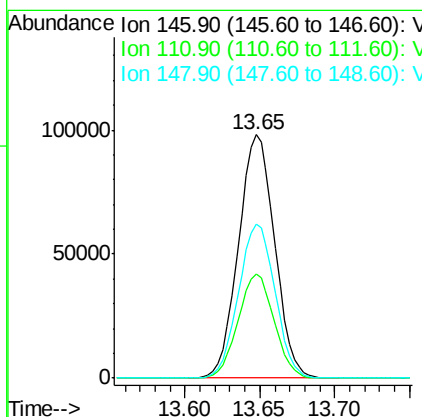
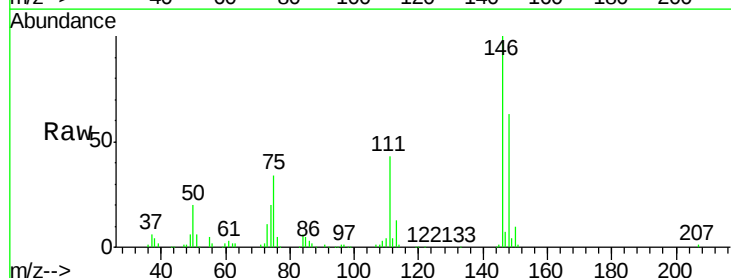
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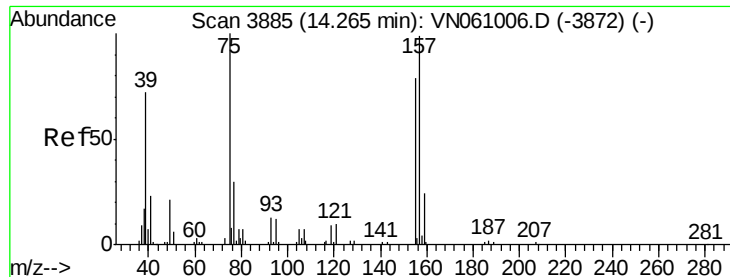
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4/20/2020 10:07:19 AM



#91
1,2-Dichlorobenzene
Concen: 48.770 ug/l
RT: 13.65 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion:146 Resp: 165236
Ion Ratio Lower Upper
146 100
111 42.5 21.3 64.0
148 63.8 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.475 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

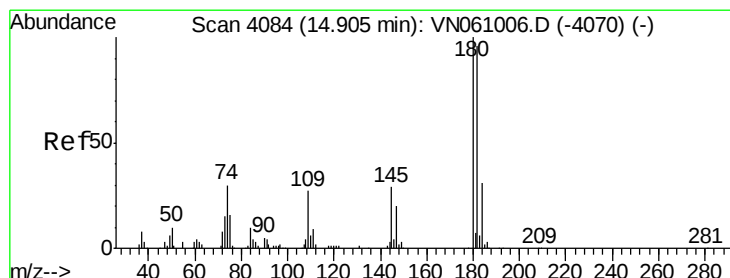
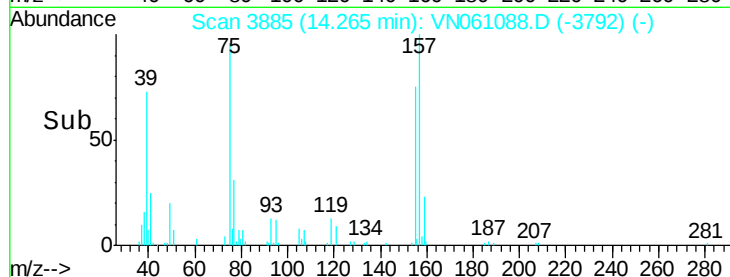
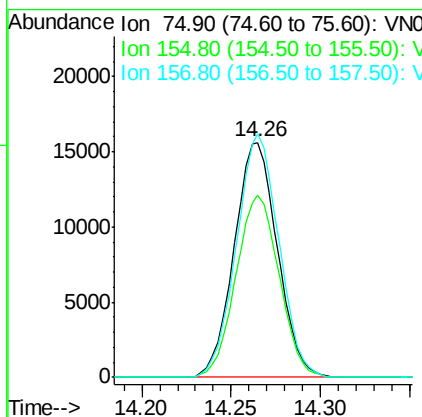
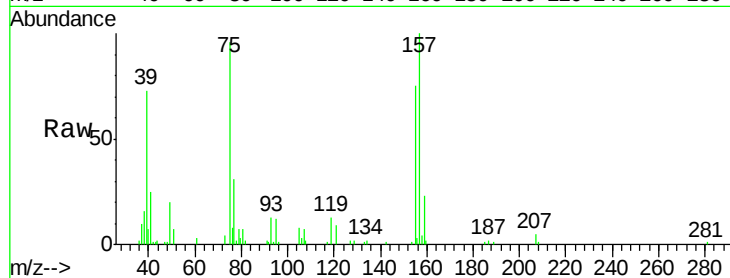
ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:	75	Resp:	26448
Ion Ratio	Lower	Upper	
75	100		
155	77.4	39.5	118.5
157	101.7	50.1	150.4

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 48.309 ug/l

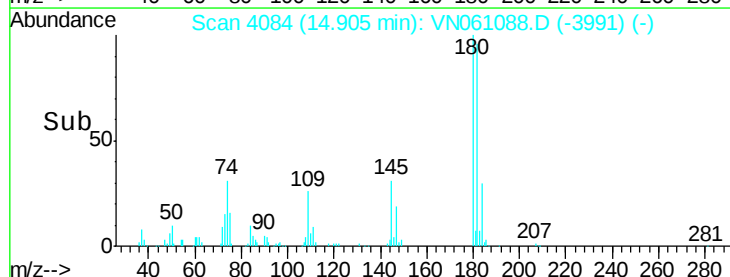
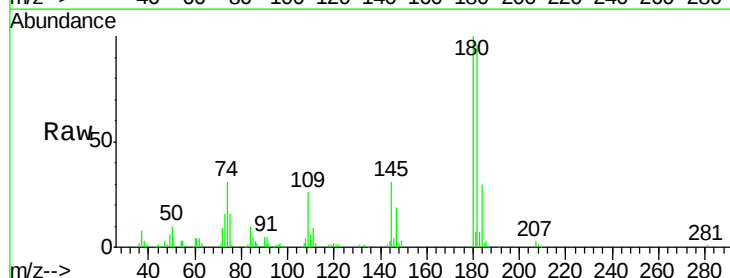
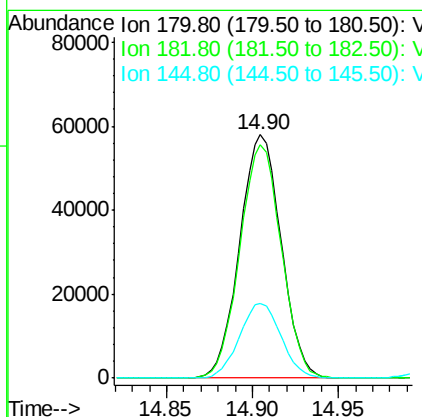
RT: 14.90 min Scan# 4084

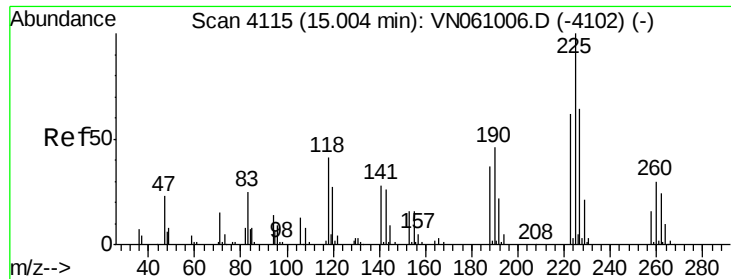
Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion:	180	Resp:	96876
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.8	143.3
145	30.7	15.3	45.8





#94

Hexachlorobutadiene

Concen: 43.425 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

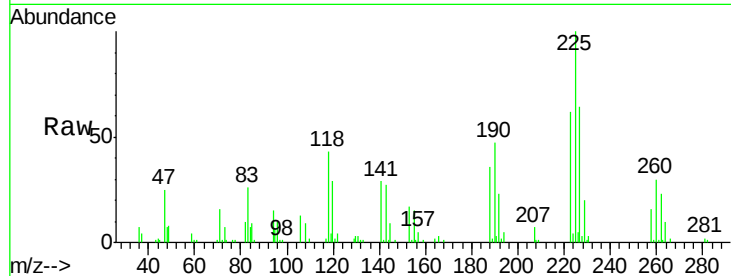
ClientSampleId :

BP-HN-24S-20200414MS

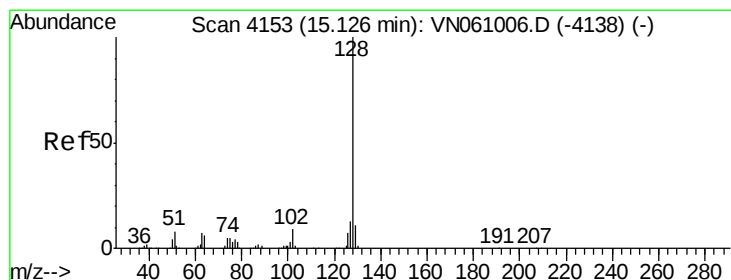
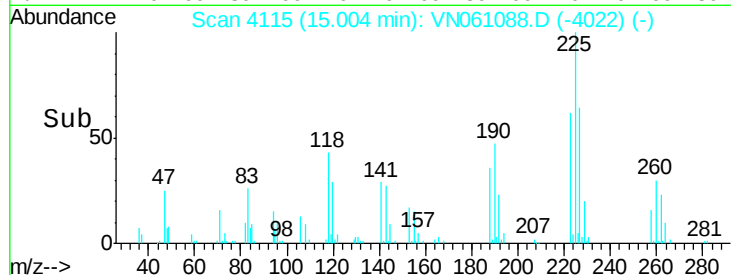
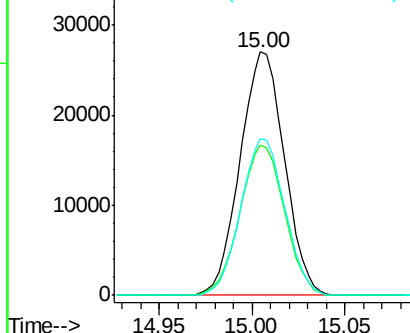
Tot Ion:	225	Resp:	44798
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.3	93.8
227	63.6	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
4/20/2020 10:07:19 AM



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: 50.777 ug/l

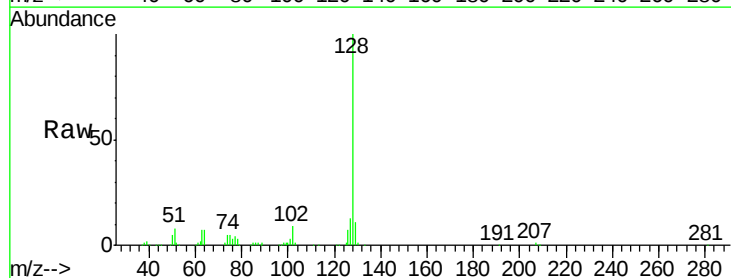
RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

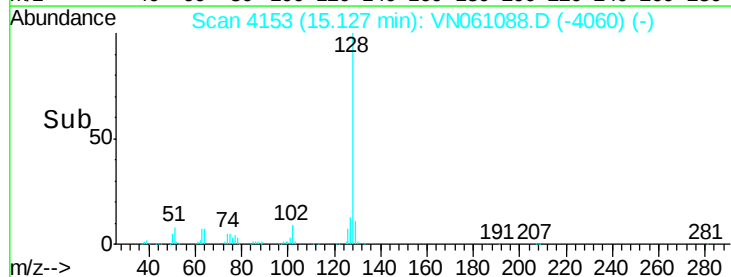
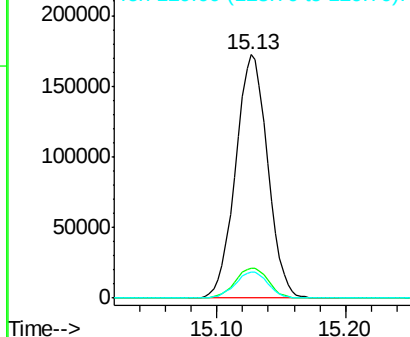
Lab File: VN061088.D

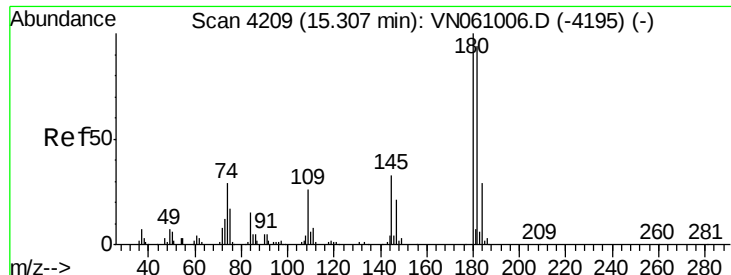
Acq: 18 Apr 2020 6:08

Tgt Ion:	128	Resp:	296961
Ion Ratio	Lower	Upper	
128	100		
127	12.9	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: 49.188 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.6	142.8
145	32.5	16.4	49.2

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:07:19 AM

