

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061089.D
 Acq On : 18 Apr 2020 6:31
 Operator : JC/MD
 Sample : L2338-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:07:23 AM

Quant Time: Apr 20 07:25:17 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	146328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	256023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110524	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	91550	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.56	113	71479	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
50) Toluene-d8	10.08	98	258758	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
62) 4-Bromofluorobenzene	12.39	95	103236	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	94870	49.059	ug/l	99
3) Chloromethane	2.04	50	131016	50.483	ug/l	99
4) Vinyl Chloride	2.17	62	110480	51.226	ug/l	99
5) Bromomethane	2.54	94	53317	49.297	ug/l	100
6) Chloroethane	2.68	64	65424	52.587	ug/l	100
7) Trichlorofluoromethane	3.00	101	138466	51.570	ug/l	99
8) Diethyl Ether	3.38	74	55789	52.278	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	74484	47.282	ug/l	99
10) Methyl Iodide	3.93	142	75400	54.255	ug/l	99
11) Tert butyl alcohol	4.72	59	86402	260.112	ug/l	100
12) 1,1-Dichloroethene	3.71	96	80991	50.578	ug/l	99
13) Acrolein	3.57	56	56847	202.686	ug/l	98
14) Allyl chloride	4.29	41	143605	47.398	ug/l	100
15) Acrylonitrile	4.94	53	248394	275.796	ug/l	99
16) Acetone	3.78	43	203879	247.414	ug/l	99
17) Carbon Disulfide	4.03	76	246241	49.143	ug/l	98
18) Methyl Acetate	4.28	43	118075	45.695	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	284418	50.940	ug/l	99
20) Methylene Chloride	4.52	84	91944	51.104	ug/l	100
21) trans-1,2-Dichloroethene	5.00	96	87707	51.210	ug/l	96
22) Diisopropyl ether	5.91	45	327528	52.051	ug/l	96
23) Vinyl Acetate	5.86	43	1039239	210.611	ug/l	100
24) 1,1-Dichloroethane	5.82	63	174799	51.433	ug/l	100
25) 2-Butanone	6.79	43	333185	263.861	ug/l	99
26) 2,2-Dichloropropane	6.79	77	102418	36.194	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	100795	51.262	ug/l	97
28) Bromochloromethane	7.17	49	79250	50.801	ug/l	99
29) Tetrahydrofuran	7.18	42	229657	267.899	ug/l	100
30) Chloroform	7.34	83	163808	51.676	ug/l	97
31) Cyclohexane	7.63	56	162102	46.482	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	141207	51.499	ug/l	99
36) 1,1-Dichloropropene	7.77	75	127611	48.302	ug/l	99
37) Ethyl Acetate	6.89	43	120120	41.873	ug/l	99
38) Carbon Tetrachloride	7.75	117	112654	51.228	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	141470	44.789	ug/l	99
40) Benzene	8.02	78	387010	49.378	ug/l	100
41) Methacrylonitrile	7.15	41	68879m	57.565	ug/l	
42) 1,2-Dichloroethane	8.10	62	135051	50.581	ug/l	99
43) Isopropyl Acetate	8.14	43	212964	45.646	ug/l	99
44) Trichloroethene	8.81	130	94753	48.113	ug/l	100
45) 1,2-Dichloropropane	9.10	63	105349	49.764	ug/l	99
46) Dibromomethane	9.19	93	62207	50.966	ug/l	99
47) Bromodichloromethane	9.38	83	130998	50.804	ug/l	99
48) Methyl methacrylate	9.18	41	107370	52.075	ug/l	98
49) 1,4-Dioxane	9.18	88	28501	995.597	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	706076	262.525	ug/l	99
52) Toluene	10.14	92	230154	48.949	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	145130	48.455	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	151792	46.449	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	89010	50.023	ug/l	96
56) Ethyl methacrylate	10.42	69	145319	51.936	ug/l	99
57) 1,3-Dichloropropane	10.70	76	159261	50.179	ug/l	99
59) 2-Hexanone	10.74	43	515615	265.828	ug/l	99
60) Dibromochloromethane	10.89	129	94145	51.506	ug/l	100
61) 1,2-Dibromoethane	10.99	107	92243	50.874	ug/l	99
64) Tetrachloroethene	10.62	164	87029	48.360	ug/l	98
65) Chlorobenzene	11.42	112	234985	48.401	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	85306	49.113	ug/l	99
67) Ethyl Benzene	11.50	91	441455	48.340	ug/l	100
68) m/p-Xylenes	11.61	106	321991	97.561	ug/l	99
69) o-Xylene	11.94	106	156176	49.216	ug/l	99
70) Styrene	11.96	104	259551	50.806	ug/l	99
71) Bromoform	12.12	173	67663	52.188	ug/l #	100
73) Isopropylbenzene	12.24	105	415783	46.957	ug/l	100
74) N-amyl acetate	12.06	43	168574	40.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	134610	49.801	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	113865m	46.837	ug/l	
77) Bromobenzene	12.52	156	99794	48.270	ug/l	98
78) n-propylbenzene	12.58	91	491512	47.445	ug/l	99
79) 2-Chlorotoluene	12.67	91	288830	47.536	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	349033	47.689	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	42846	43.472	ug/l	99
82) 4-Chlorotoluene	12.77	91	301777	47.889	ug/l	99
83) tert-Butylbenzene	12.99	119	292825	47.574	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	349689	48.335	ug/l	100
85) sec-Butylbenzene	13.17	105	392931	47.115	ug/l	100
86) p-Isopropyltoluene	13.28	119	345741	46.556	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	175879	47.736	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	175289	47.291	ug/l	100
89) n-Butylbenzene	13.61	91	312690	45.278	ug/l	99
90) Hexachloroethane	13.87	117	55529	48.736	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	171160	48.674	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	27507	52.583	ug/l	99
93) 1,2,4-Trichlorobenzene	14.90	180	101573	48.802	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	46099	43.055	ug/l	99
95) Naphthalene	15.13	128	317409	52.292	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	101758	50.732	ug/l	99

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

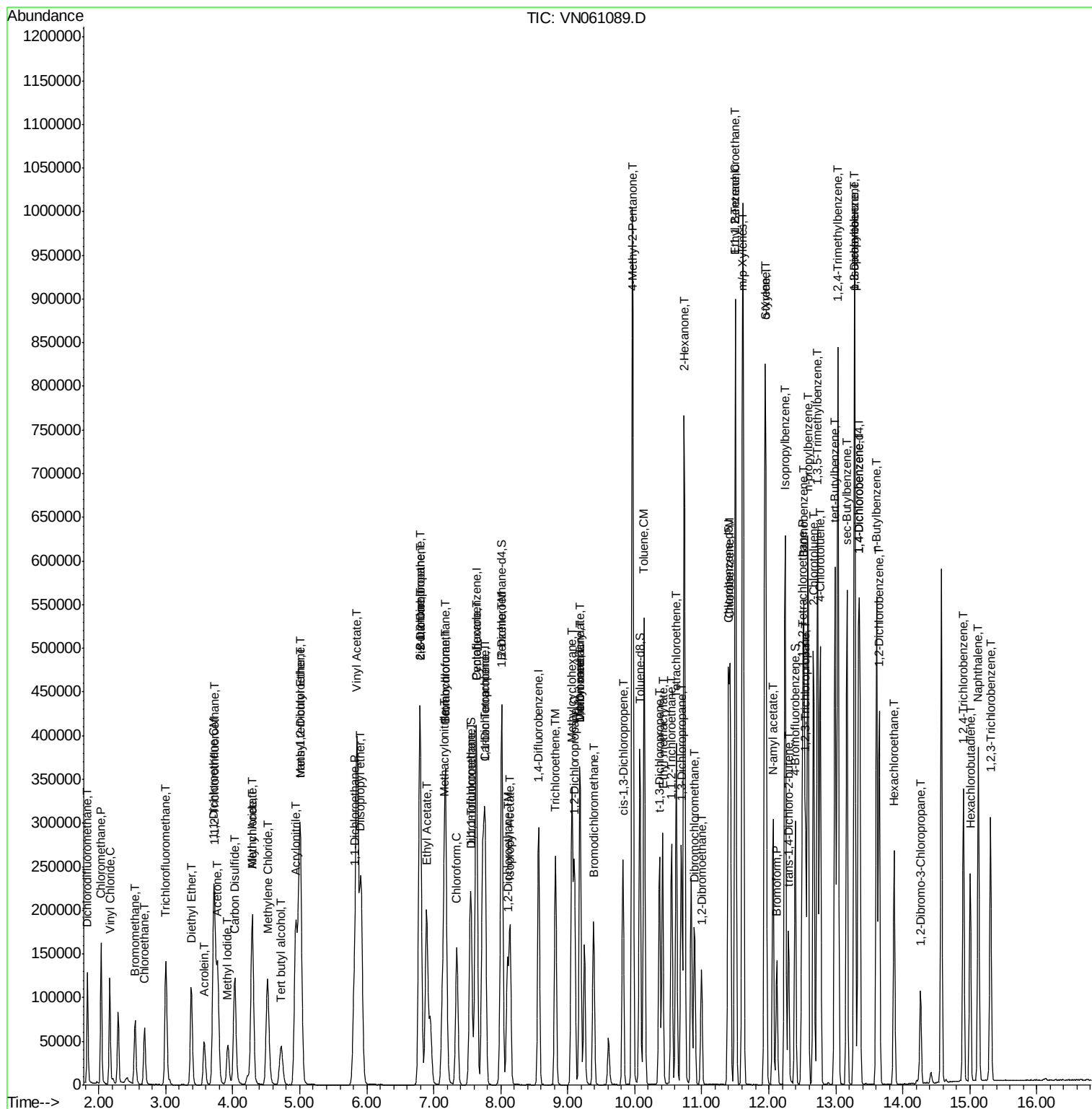
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 Data File : VN061089.D
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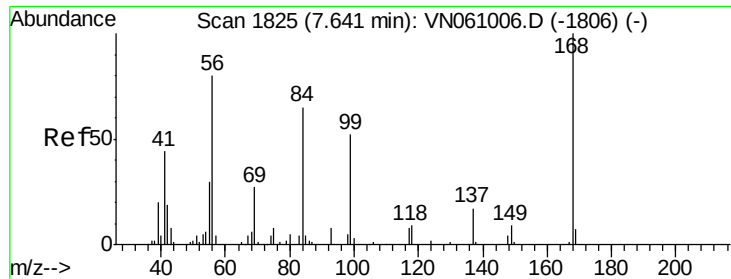
Instrument :
 MSVOA_N
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion:168 Resp: 146328

Ion Ratio Lower Upper

168 100

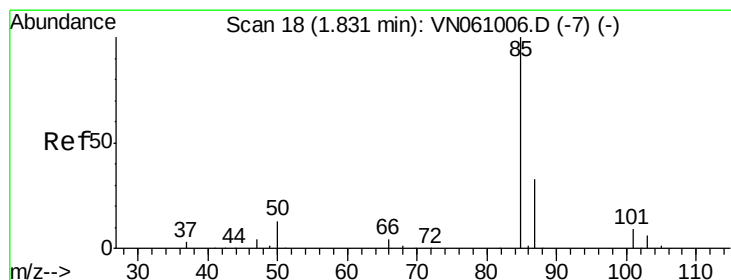
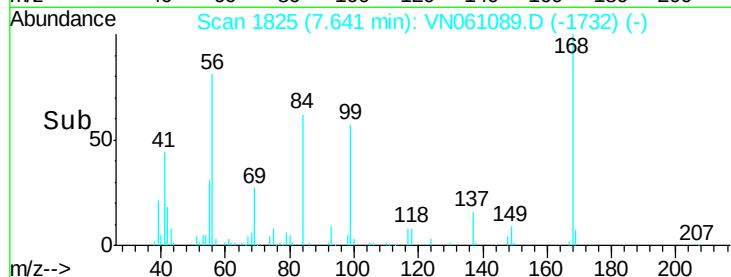
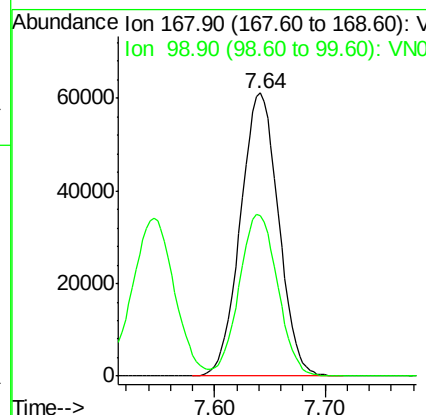
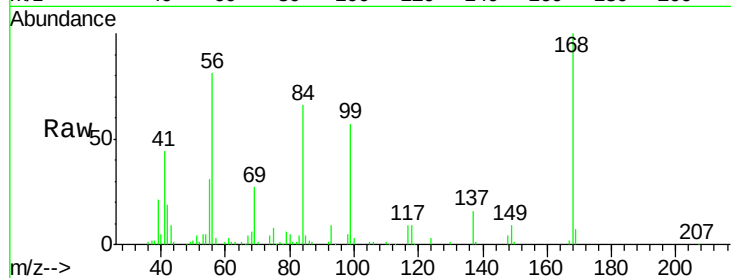
99 56.7 47.4 71.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 49.059 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061089.D

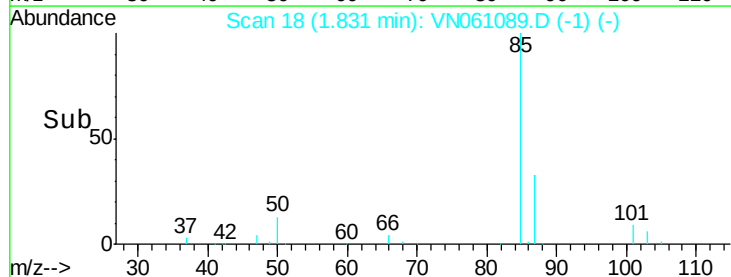
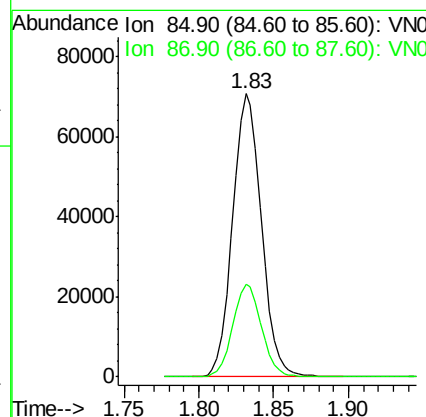
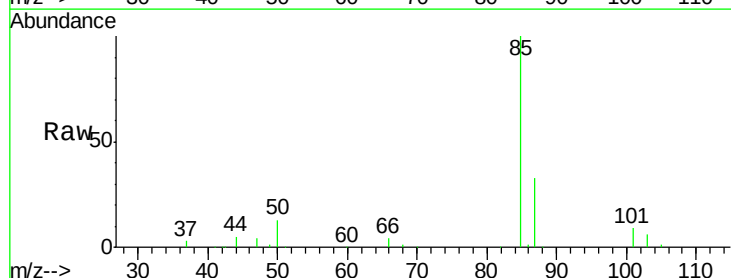
Acq: 18 Apr 2020 6:31

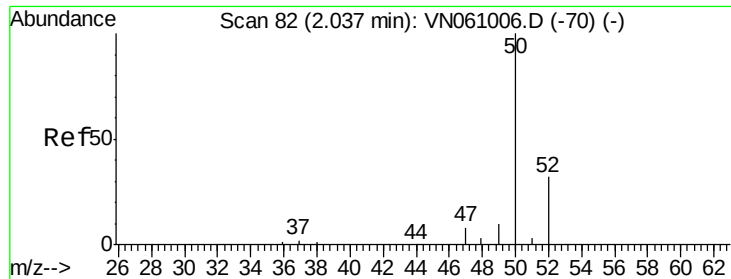
Tgt Ion: 85 Resp: 94870

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.9





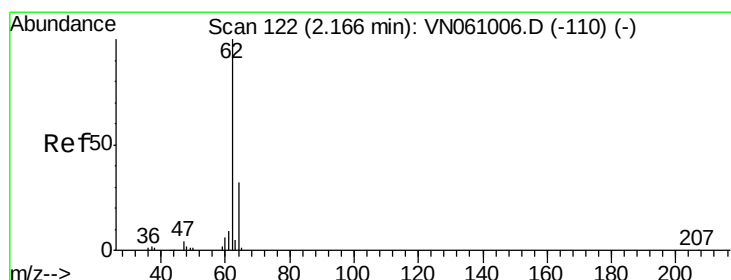
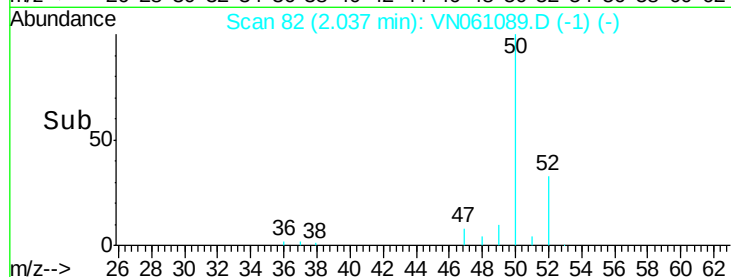
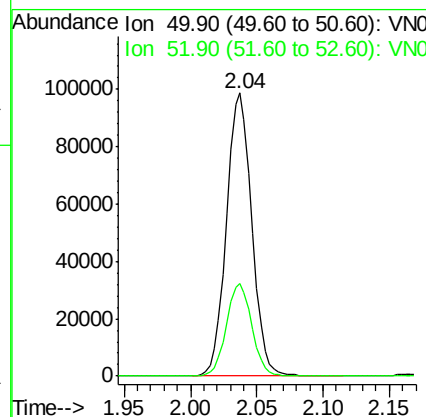
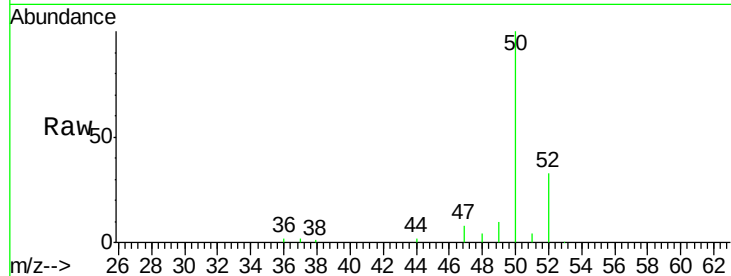
#3
Chloromethane
Concen: 50.483 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion: 50 Resp: 131016
Ion Ratio Lower Upper
50 100
52 32.7 25.6 38.4

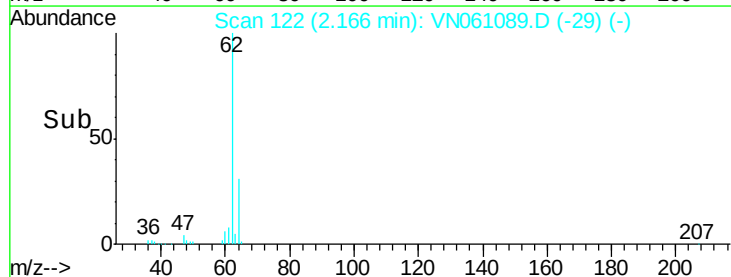
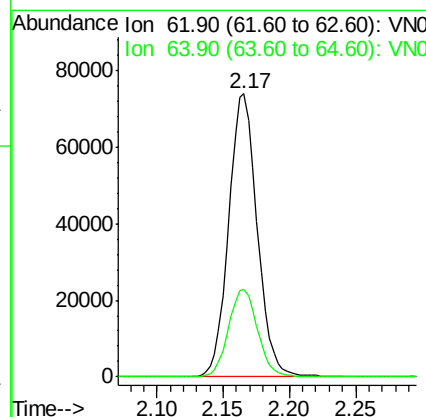
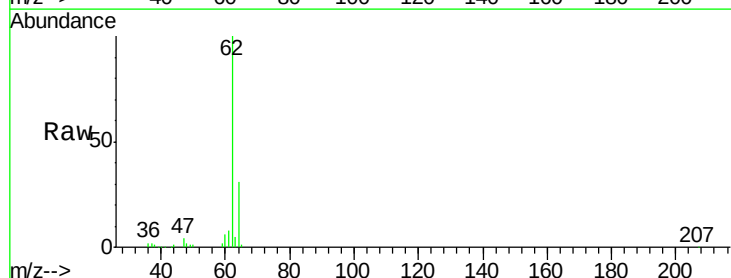
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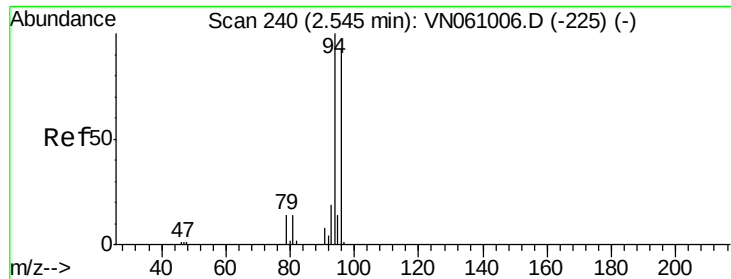
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#4
Vinyl Chloride
Concen: 51.226 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 62 Resp: 110480
Ion Ratio Lower Upper
62 100
64 31.2 25.4 38.0





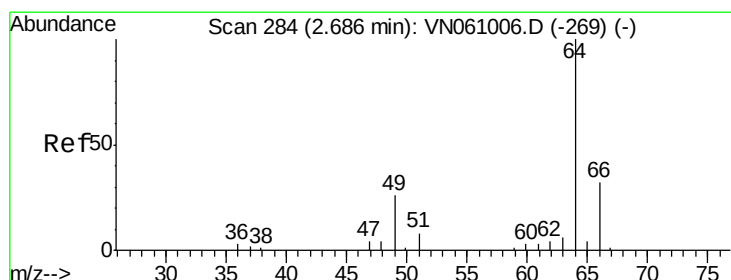
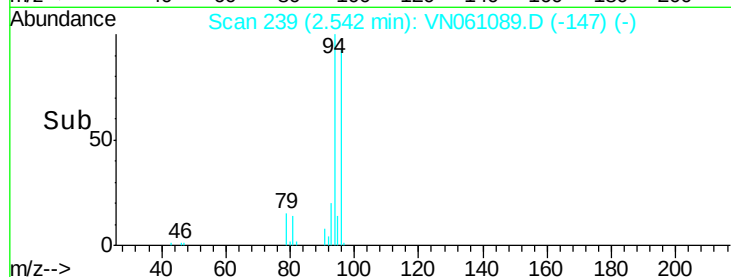
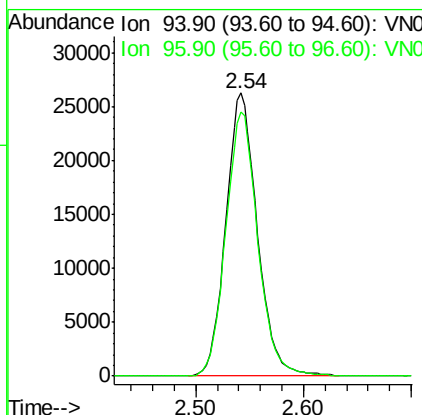
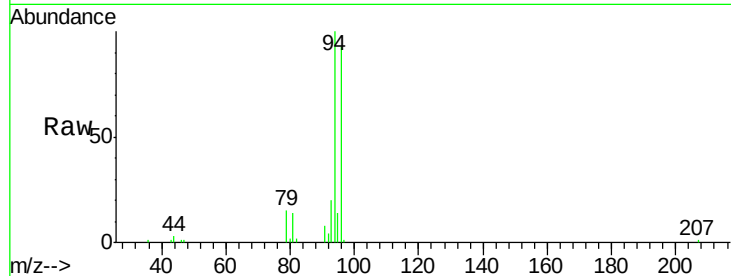
#5
Bromomethane
Concen: 49.297 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Instrument :
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Tot Ion	Ratio	Lower	Upper
94	100		
96	93.4	74.3	111.5

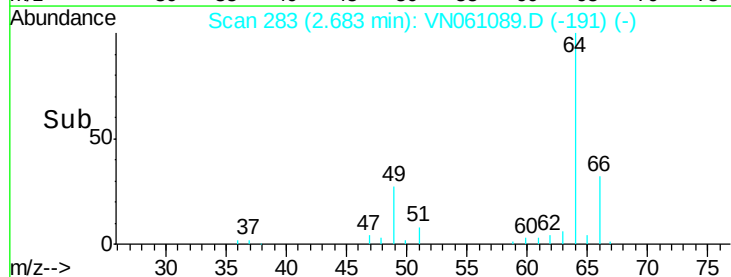
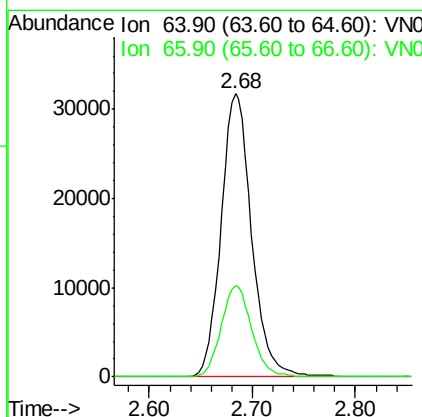
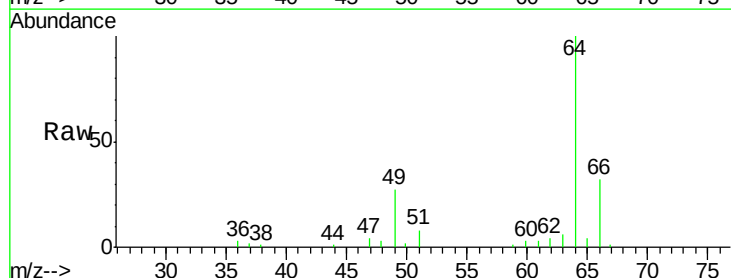
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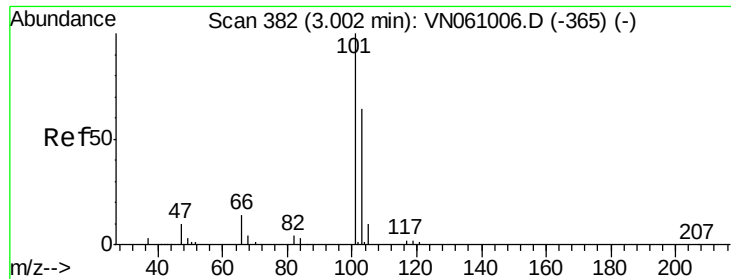
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#6
Chloroethane
Concen: 52.587 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.8	38.8





#7

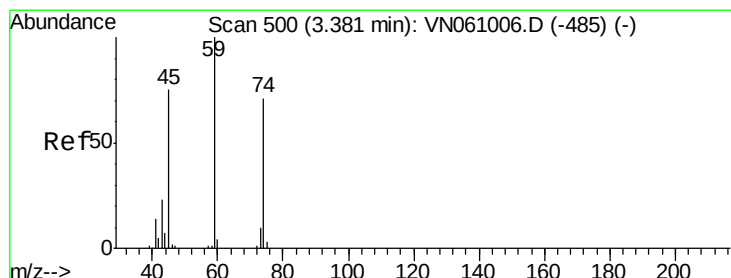
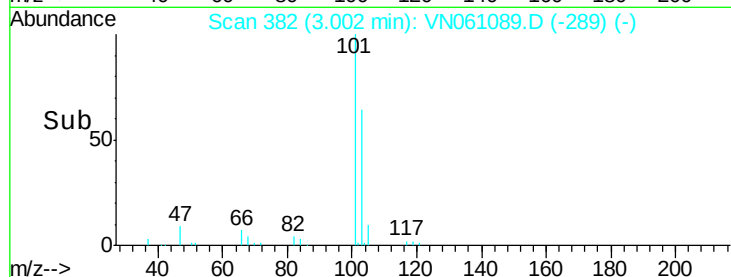
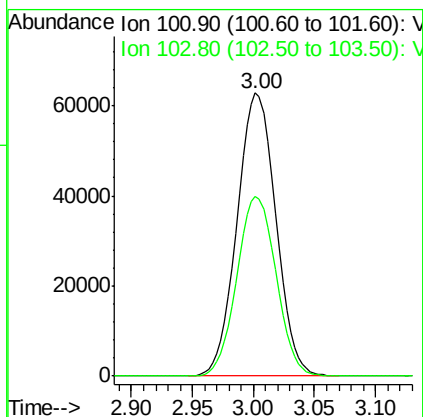
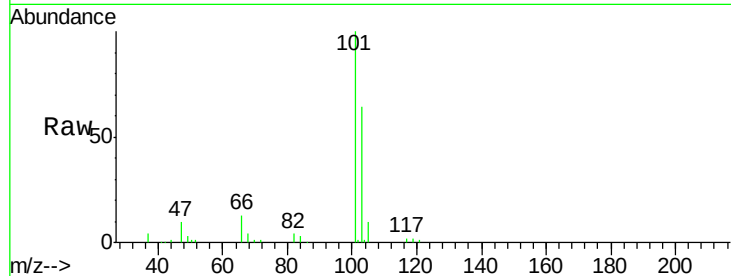
Trichlorofluoromethane
Concen: 51.570 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.4	77.2

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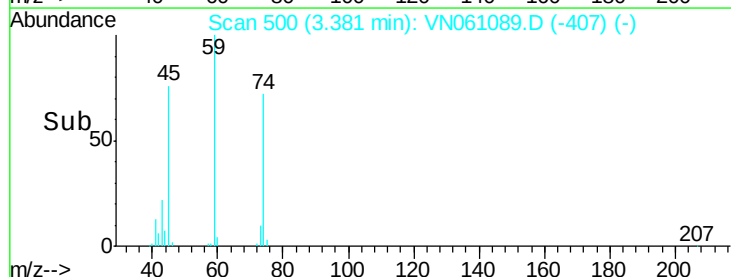
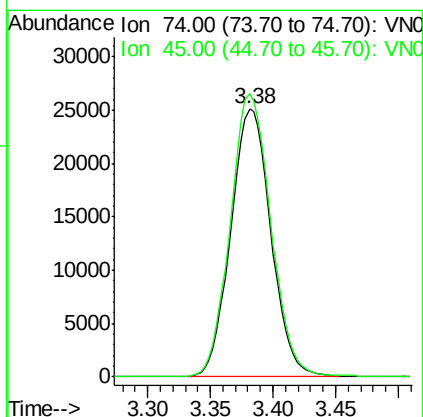
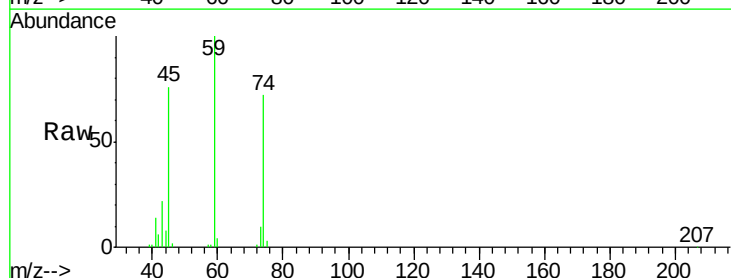
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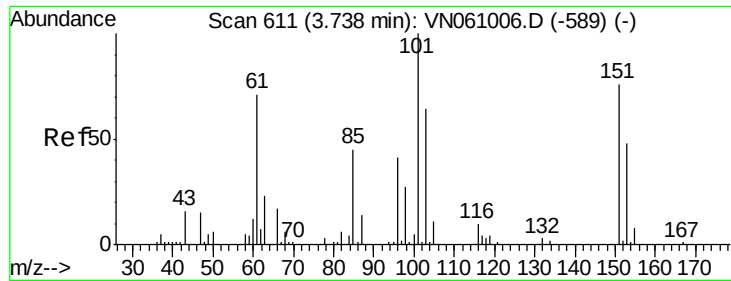


#8

Diethyl Ether
Concen: 52.278 ug/l
RT: 3.38 min Scan# 500
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.3	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.282 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

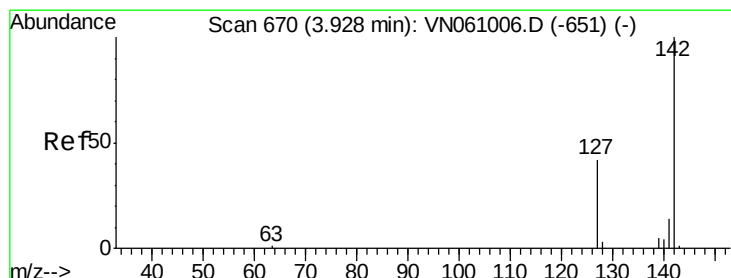
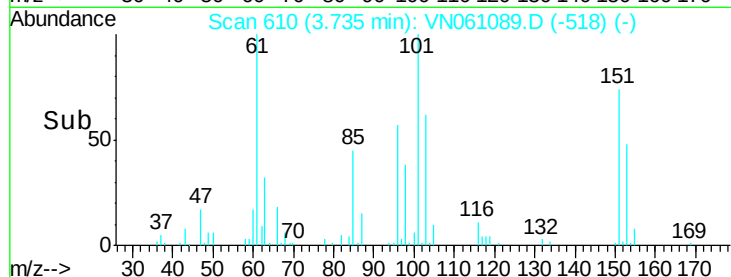
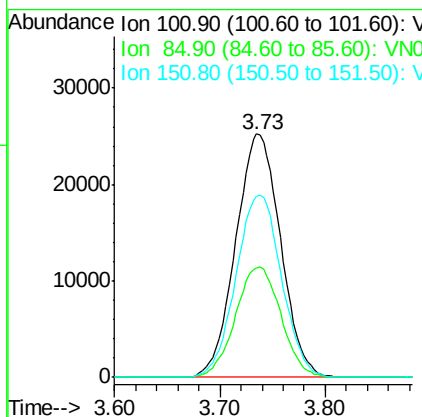
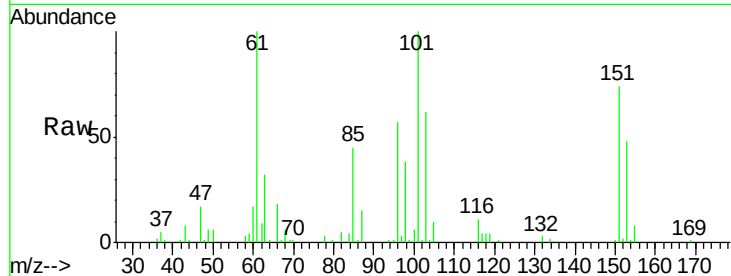
ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion:	101	Resp:	74484
Ion Ratio	Lower	Upper	
101	100		
85	46.0	35.9	53.9
151	76.1	60.8	91.2

Manual Integrations
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MMDadoda
4/20/2020 10:07:23 AM



#10

Methyl Iodide

Concen: 54.255 ug/l

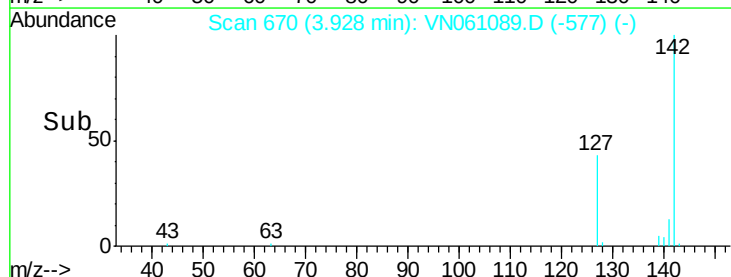
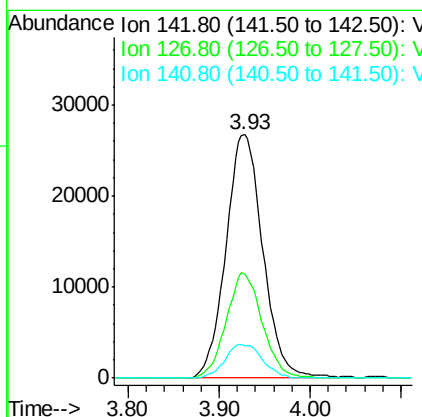
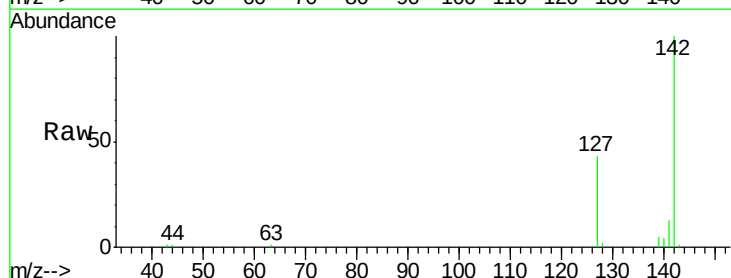
RT: 3.93 min Scan# 670

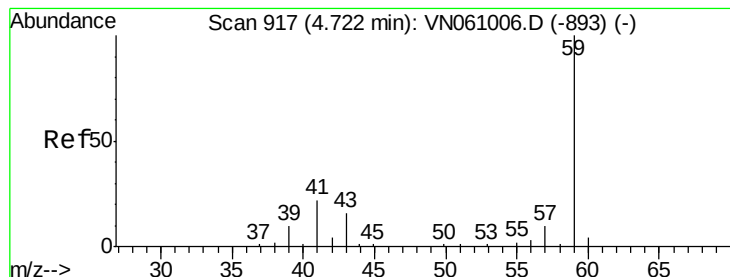
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion:	142	Resp:	75400
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.4	50.2
141	13.9	11.0	16.6





#11

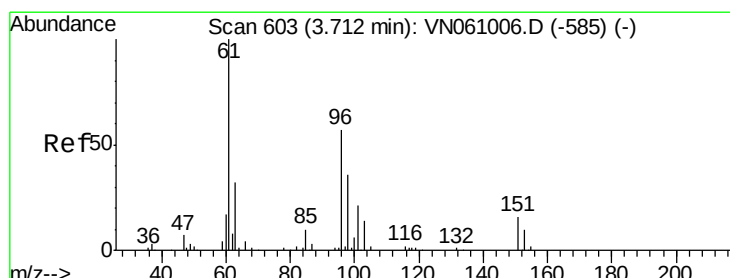
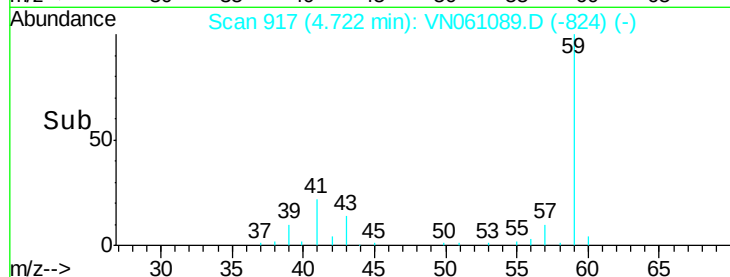
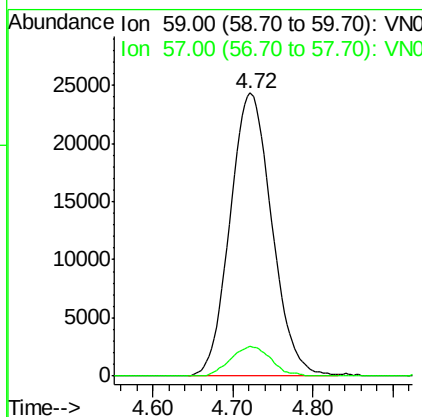
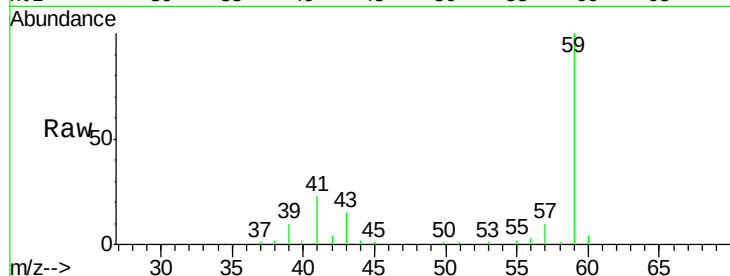
Tert butyl alcohol
Concen: 260.112 ug/l
RT: 4.72 min Scan# 917
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

Manual Integrations
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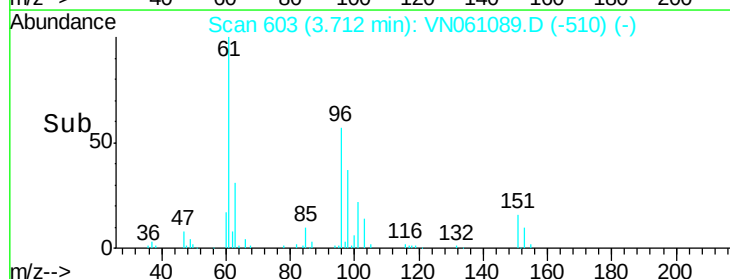
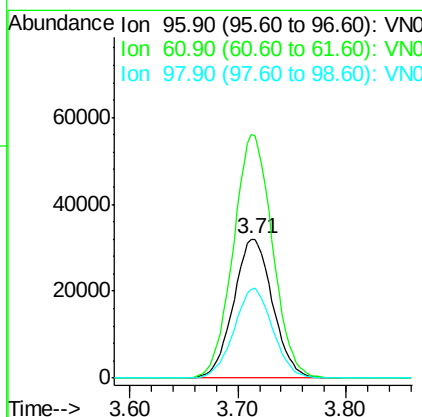
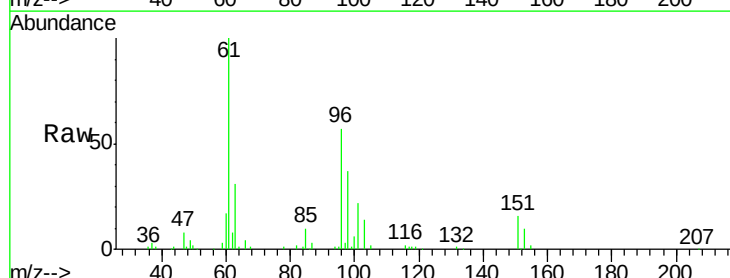
MMDadoda
4/20/2020 10:07:23 AM

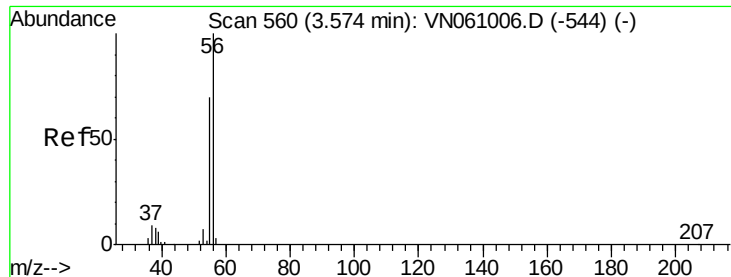


#12

1,1-Dichloroethene
Concen: 50.578 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.9	139.2	208.8
98	64.1	50.0	75.0





#13

Acrolein

Concen: 202.686 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

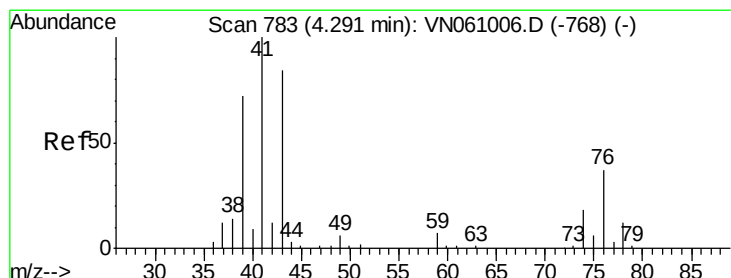
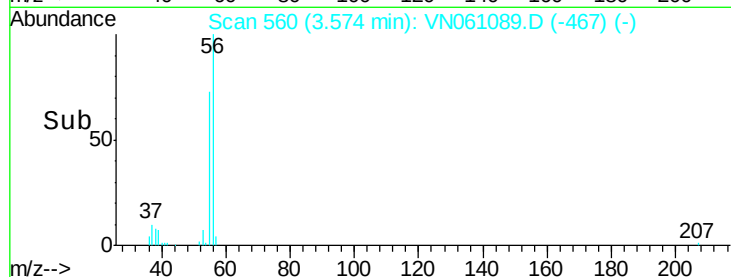
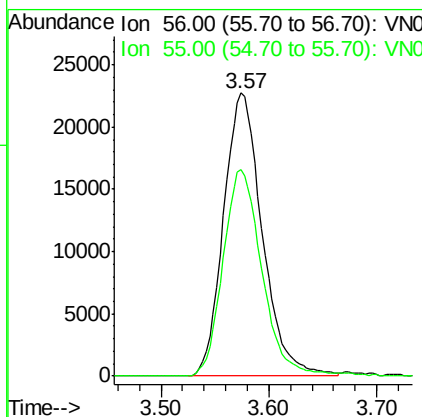
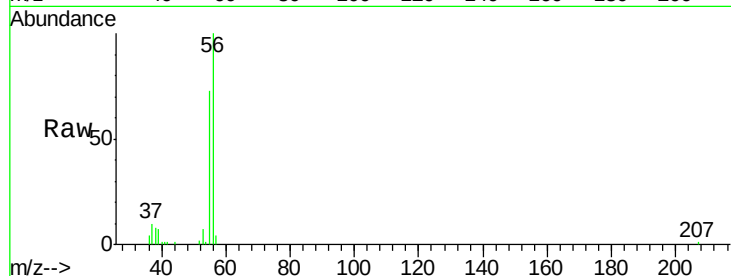
ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion	56	Resp	56847
Ion	Ratio	Lower	Upper
56	100		
55	72.9	57.0	85.6

Manual Integrations
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#14

Allyl chloride

Concen: 47.398 ug/l

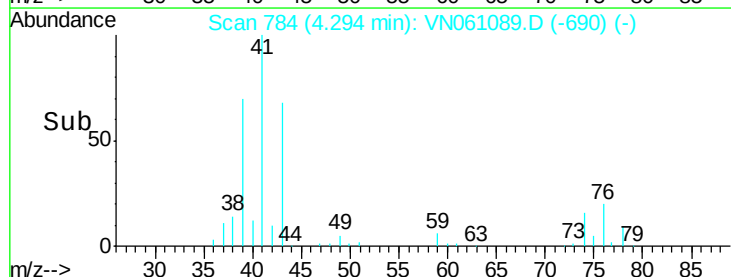
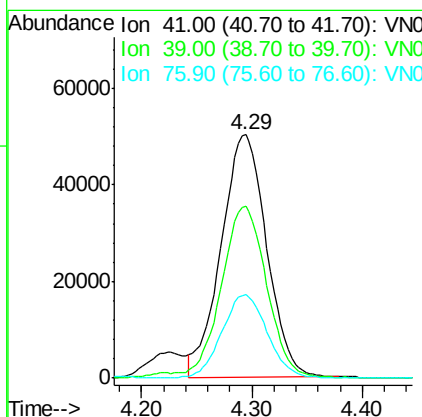
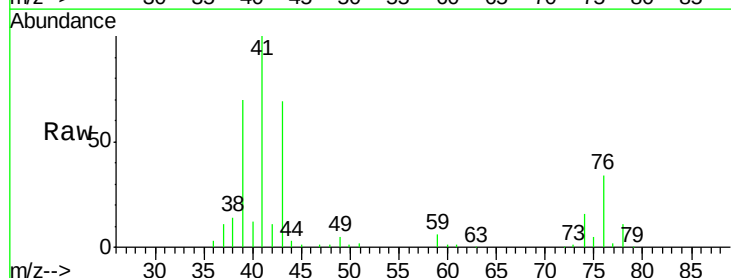
RT: 4.29 min Scan# 784

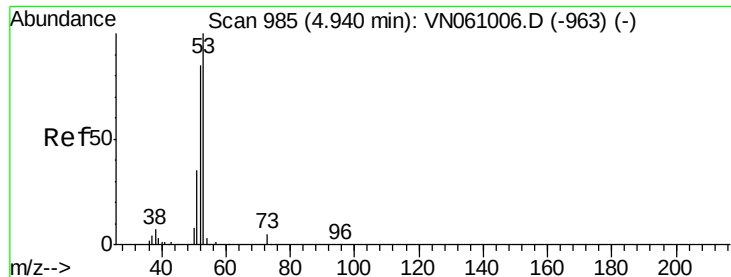
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion	41	Resp	143605
Ion	Ratio	Lower	Upper
41	100		
39	69.9	56.3	84.5
76	34.4	27.7	41.5





#15

Acrylonitrile

Concen: 275.796 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

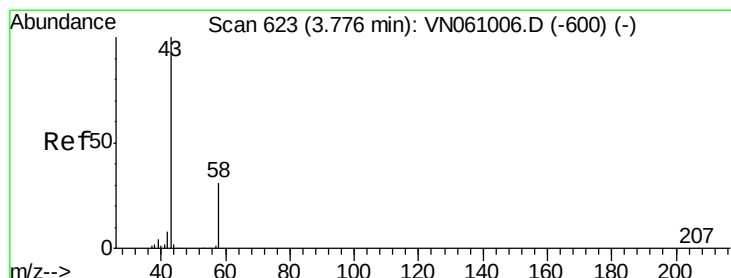
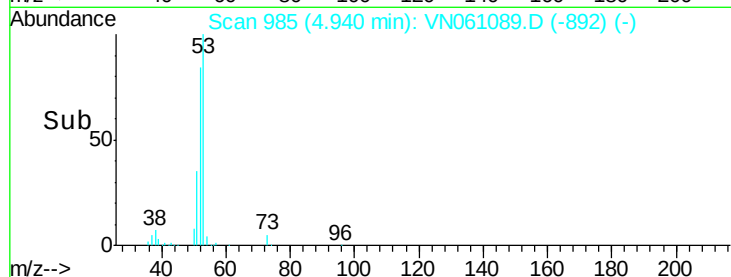
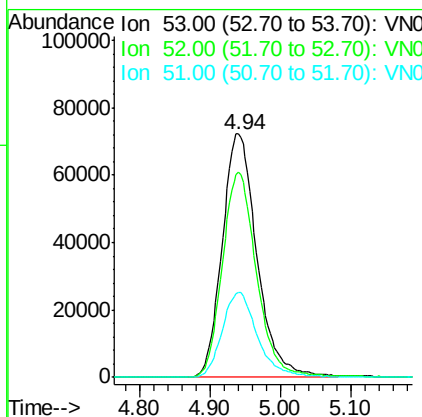
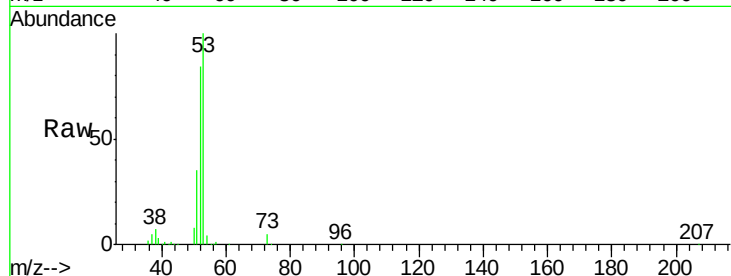
ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion:	53	Resp:	248394
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.8	100.2
51	35.3	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 247.414 ug/l

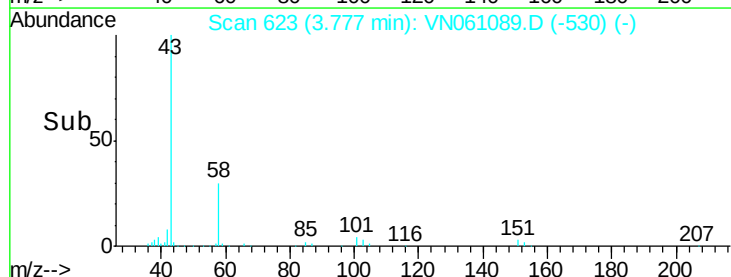
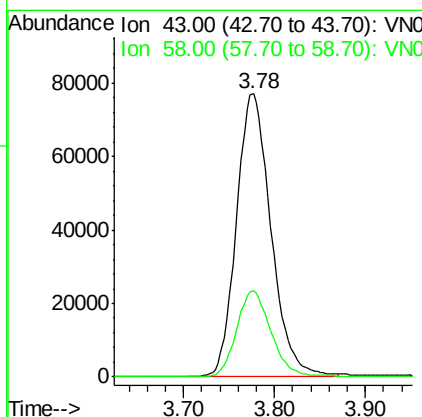
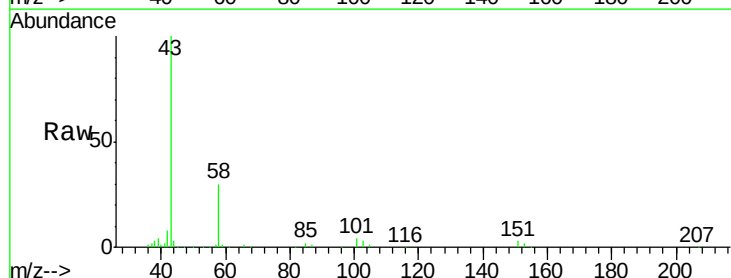
RT: 3.78 min Scan# 623

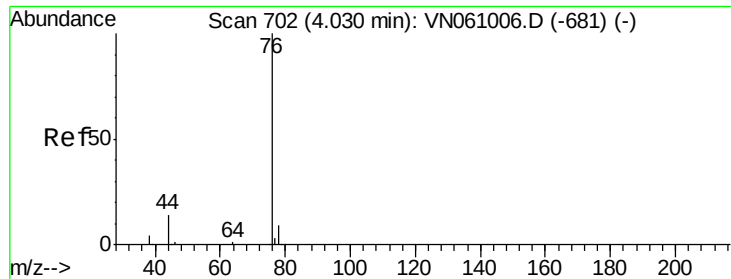
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion:	43	Resp:	203879
Ion Ratio		Lower	Upper
43	100		
58	30.4	24.6	37.0





#17

Carbon Disulfide

Concen: 49.143 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion: 76 Resp: 246241

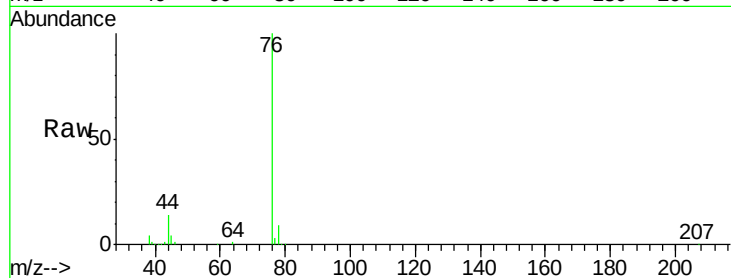
Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

80000

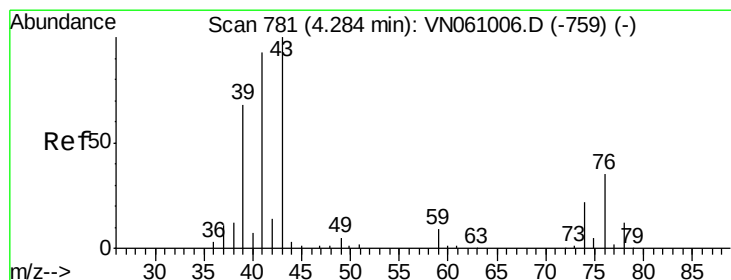
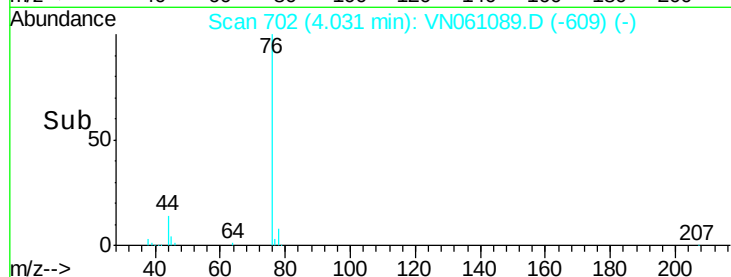
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.695 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN061089.D

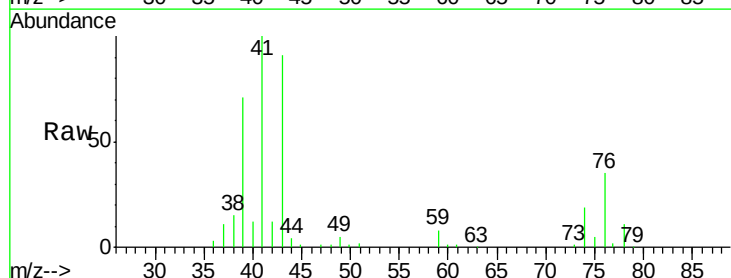
Acq: 18 Apr 2020 6:31

Tgt Ion: 43 Resp: 118075

Ion Ratio Lower Upper

43 100

74 21.5 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.28

40000

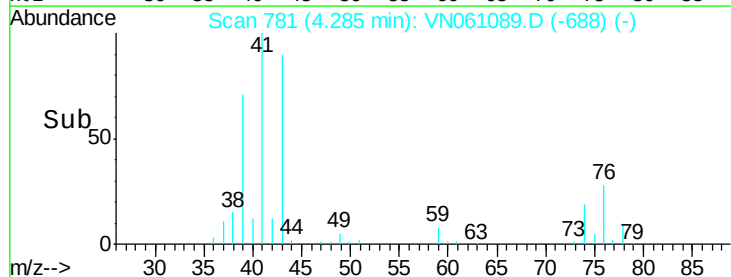
30000

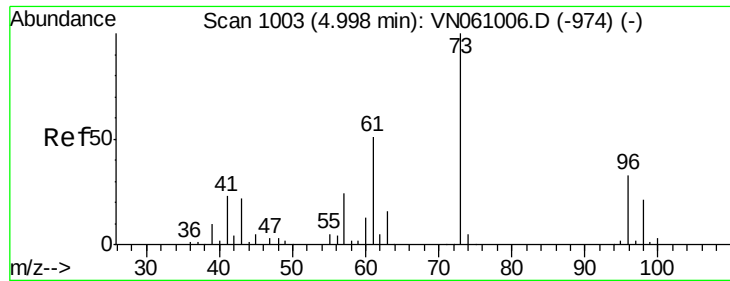
20000

10000

0

Time-->





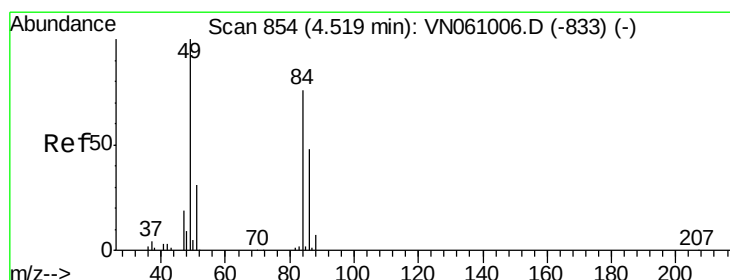
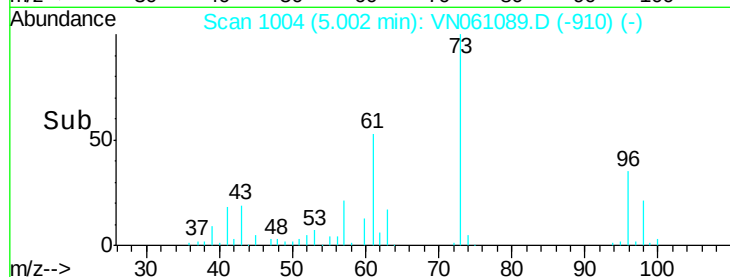
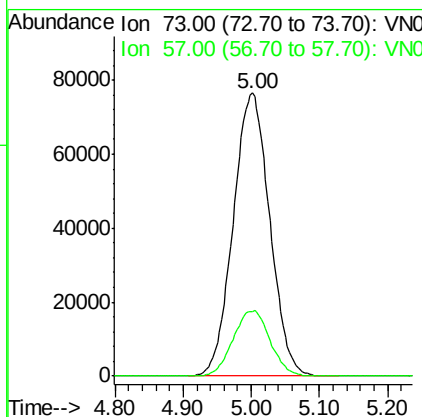
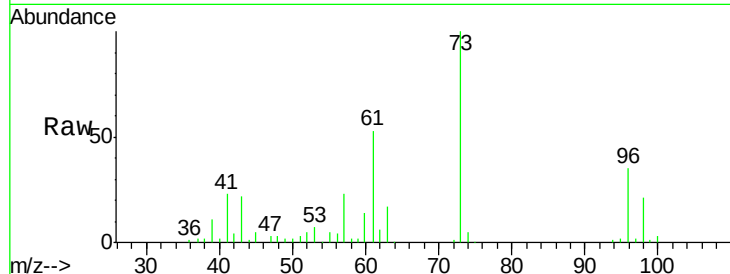
#19
Methyl tert-butyl Ether
Concen: 50.940 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion: 73 Resp: 284418
Ion Ratio Lower Upper
73 100
57 23.0 19.0 28.4

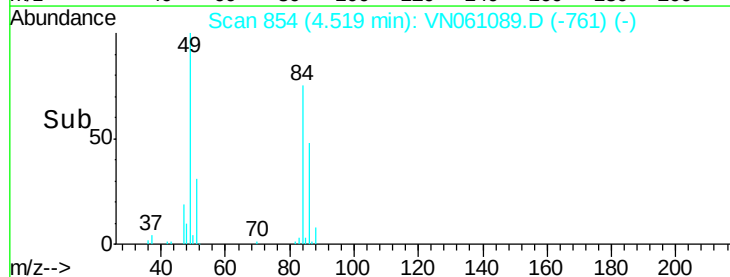
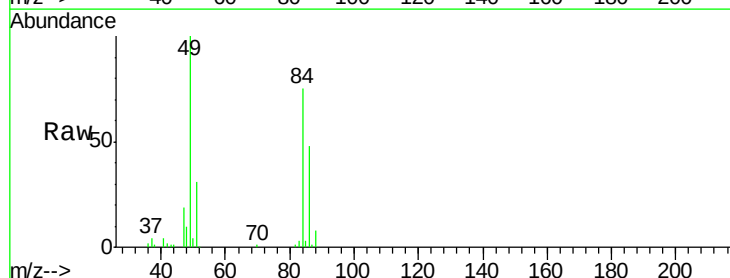
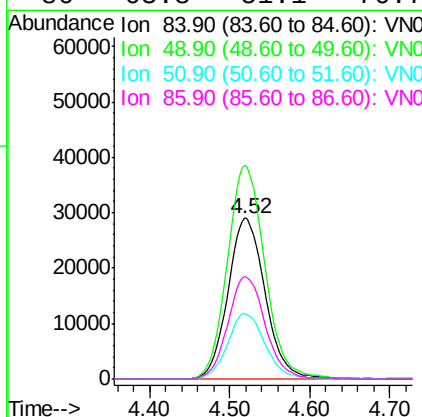
Manual Integrations
APPROVED

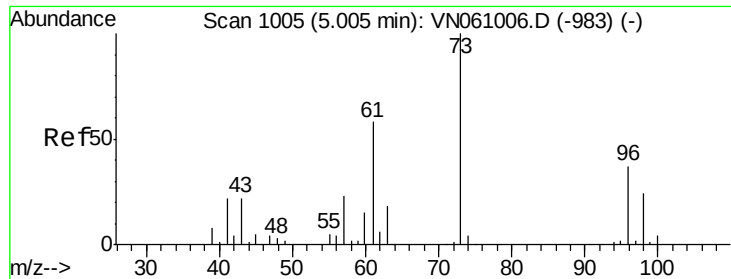
MMDadoda
4/20/2020 10:07:23 AM



#20
Methylene Chloride
Concen: 51.104 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 84 Resp: 91944
Ion Ratio Lower Upper
84 100
49 132.5 105.8 158.6
51 40.5 32.4 48.6
86 63.8 51.1 76.7





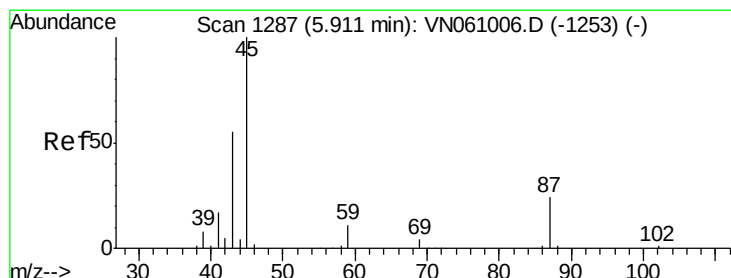
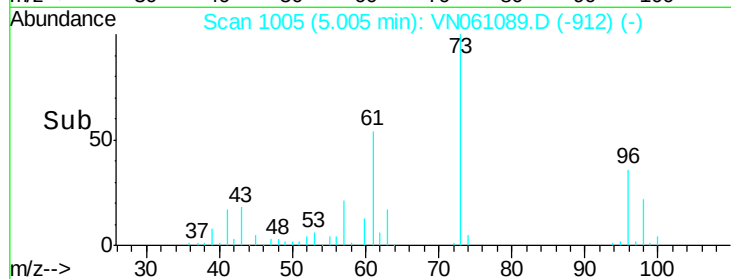
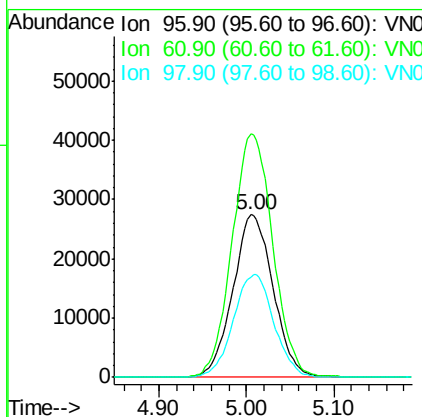
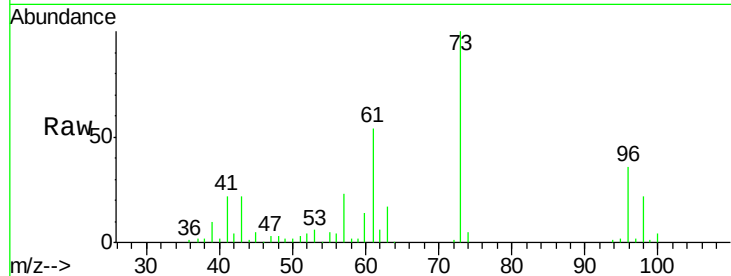
#21
trans-1,2-Dichloroethene
Concen: 51.210 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	124.8	187.2
98	61.9	51.3	76.9

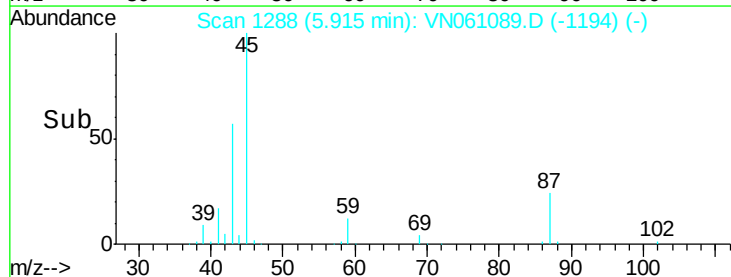
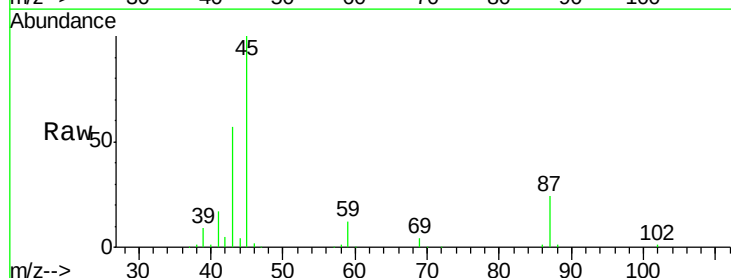
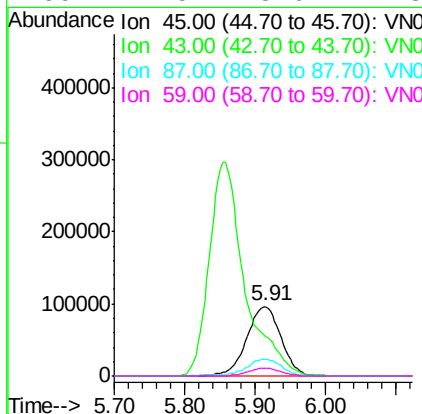
Manual Integrations
APPROVED

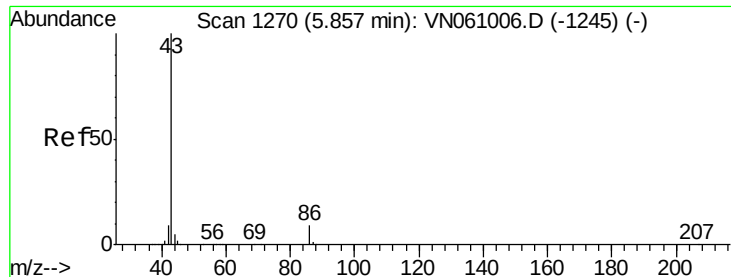
MMDadoda
4/20/2020 10:07:23 AM



#22
Diisopropyl ether
Concen: 52.051 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.0	48.6	72.8
87	24.2	19.4	29.2
59	11.5	8.6	12.8





#23

Vinyl Acetate

Concen: 210.611 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion: 43 Resp: 1039239

Ion Ratio Lower Upper

43 100

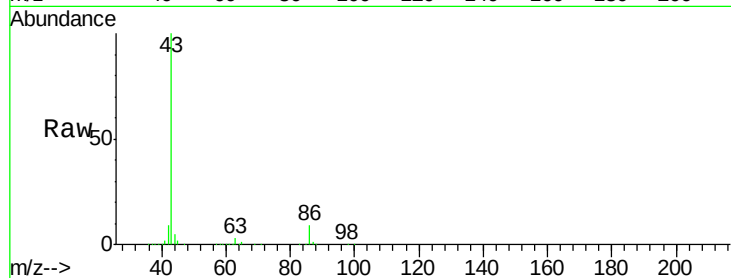
86 9.1 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

4/20/2020 10:07:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

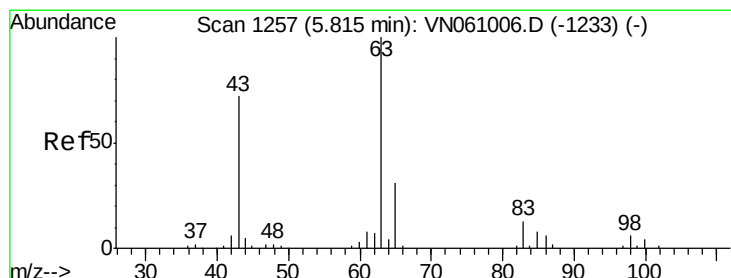
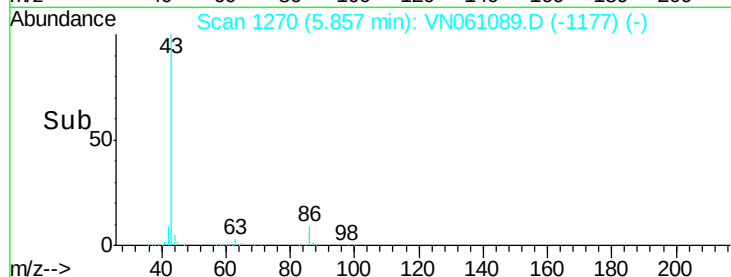
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.433 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

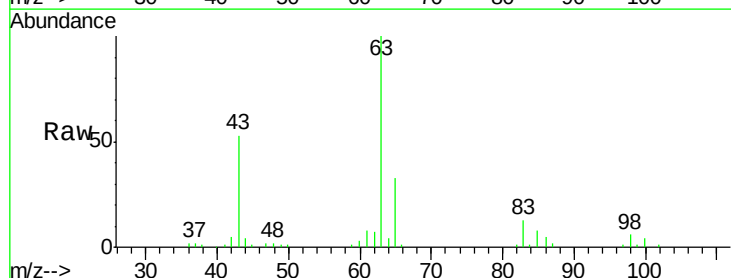
Tgt Ion: 63 Resp: 174799

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

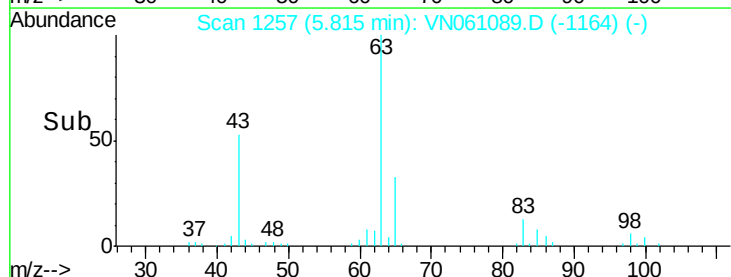
60000

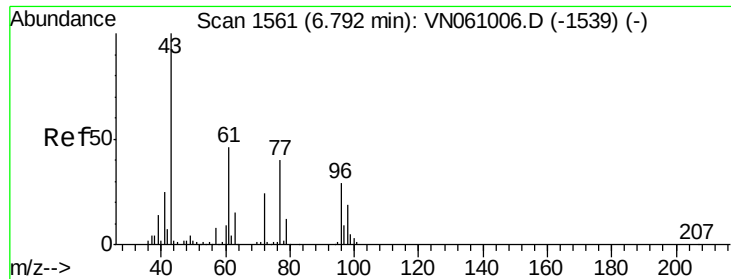
40000

20000

0

Time-->





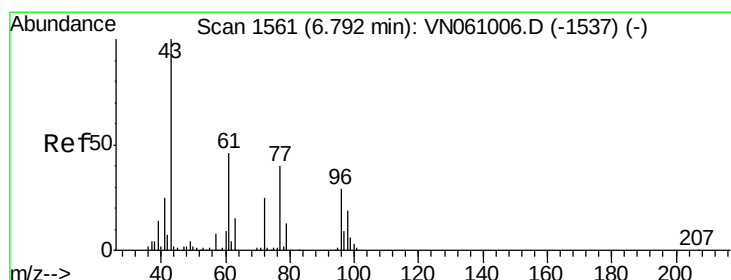
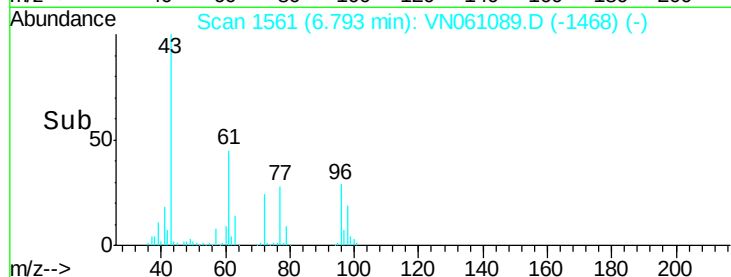
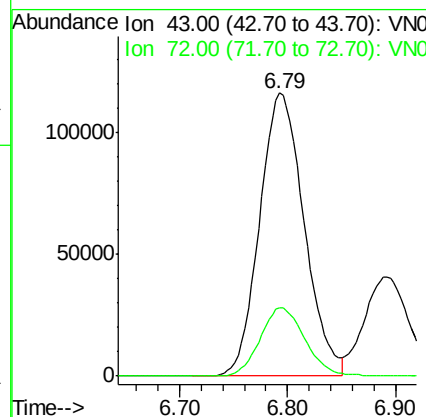
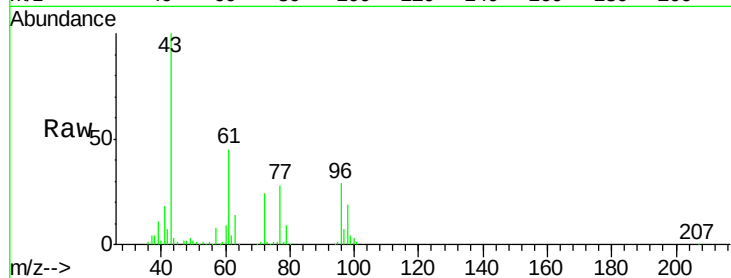
#25
 2-Butanone
 Concen: 263.861 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.1	19.6	29.4

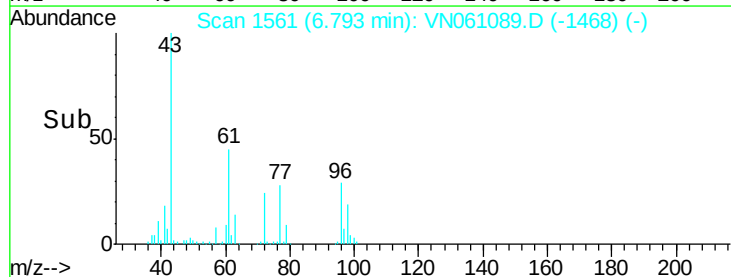
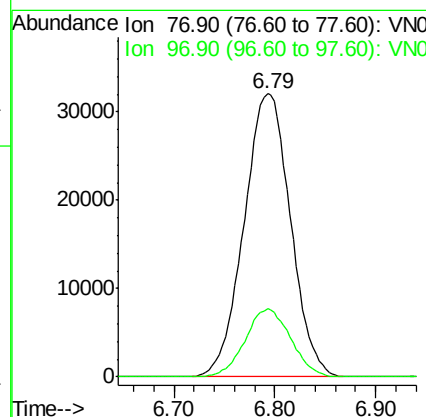
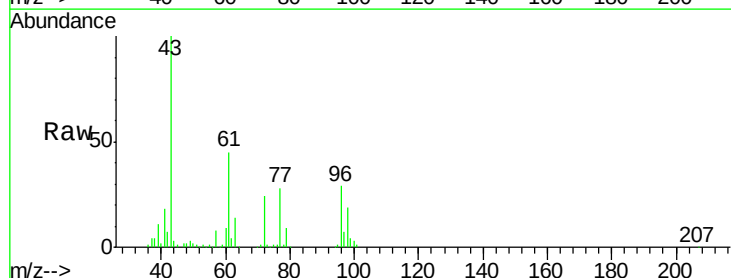
Manual Integrations
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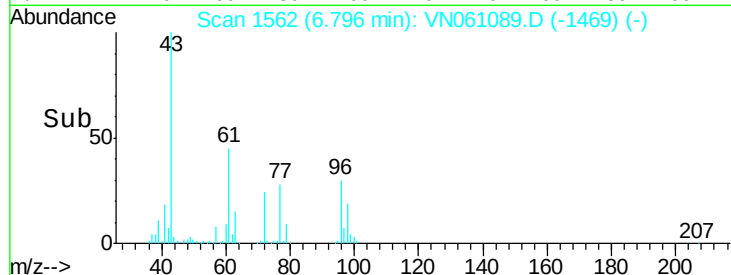
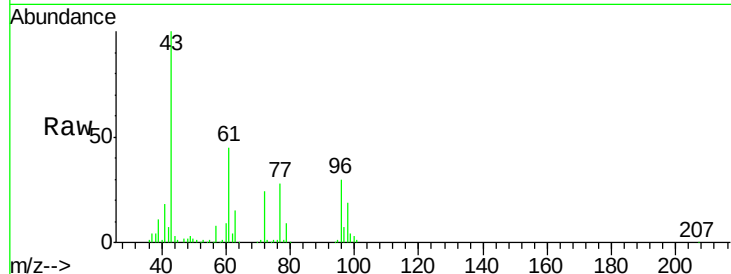
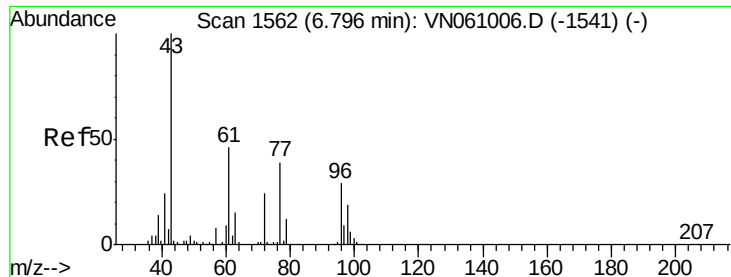
MMDadoda
 4/20/2020 10:07:23 AM



#26
 2,2-Dichloropropane
 Concen: 36.194 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.2	33.6





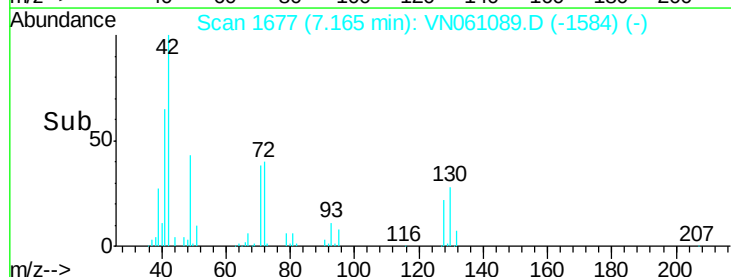
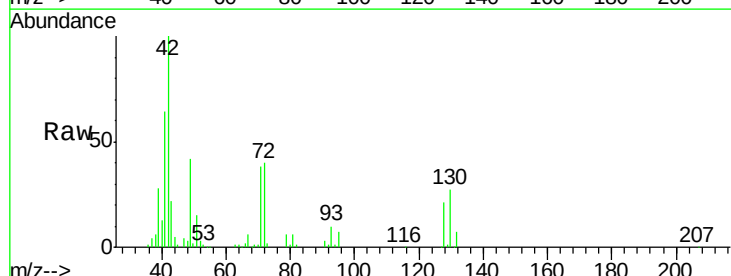
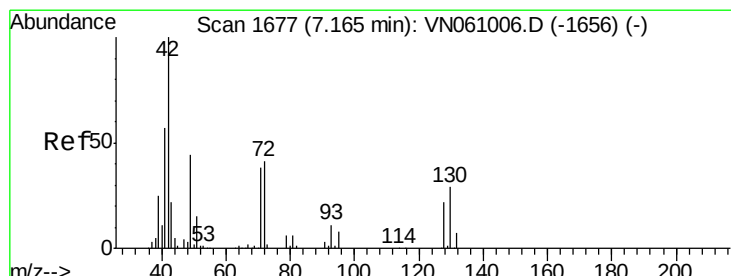
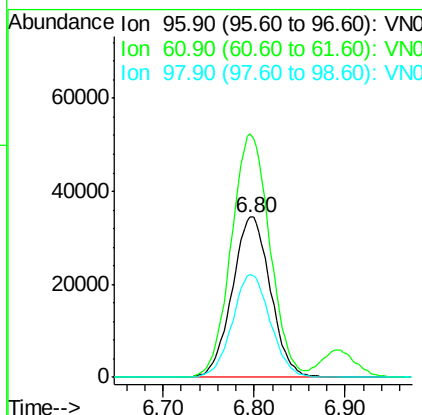
#27
 cis-1,2-Dichloroethene
 Concen: 51.262 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tot Ion	Ratio	Resp	Lower	Upper
96	100	100795		
61	152.8		0.0	317.4
98	63.5		0.0	127.8

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

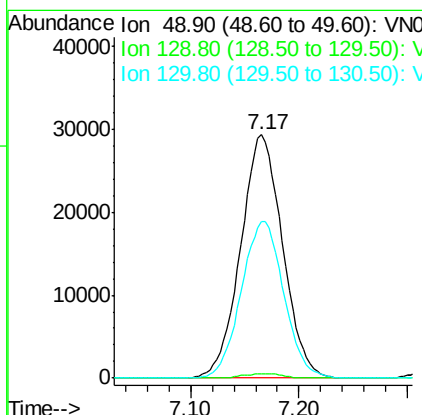
Manual Integrations
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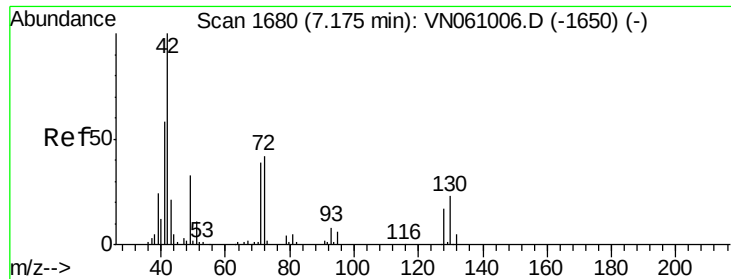
MMDadoda
 4/20/2020 10:07:23 AM



#28
 Bromochloromethane
 Concen: 50.801 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	79250		
129	1.6		0.0	3.0
130	65.2		52.9	79.3





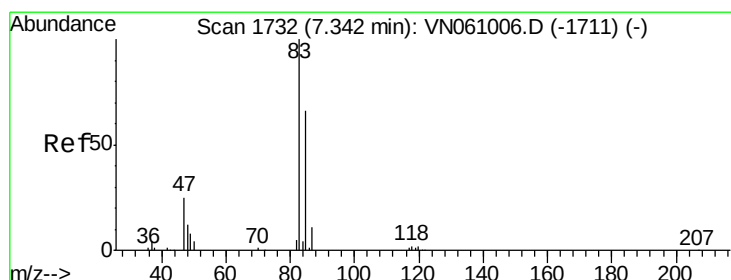
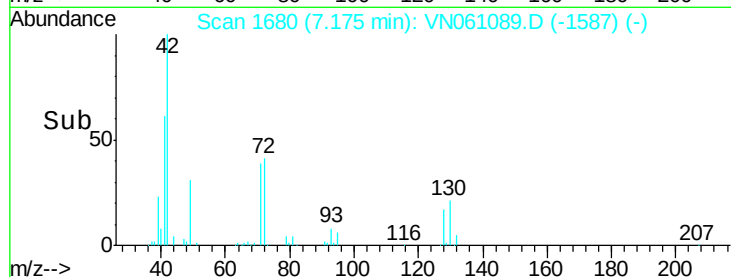
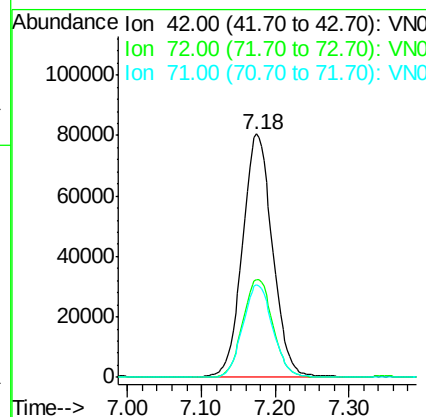
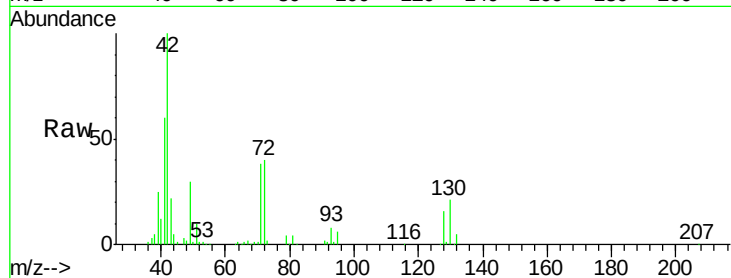
#29
Tetrahydrofuran
Concen: 267.899 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.1	48.1
71	37.7	30.5	45.7

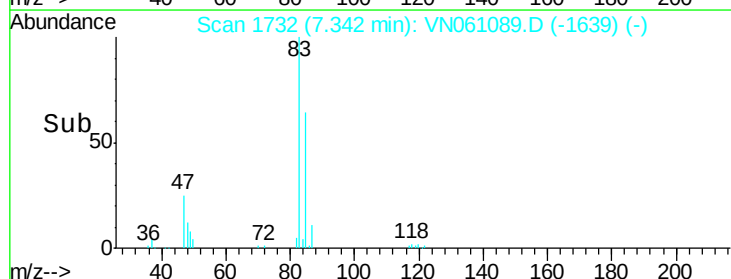
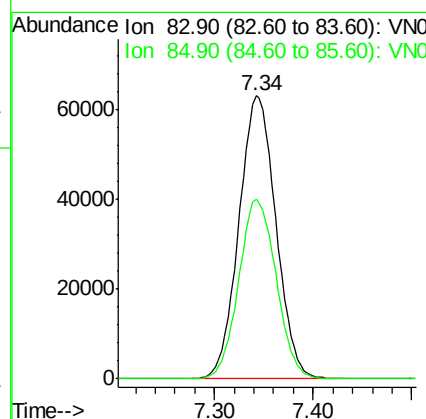
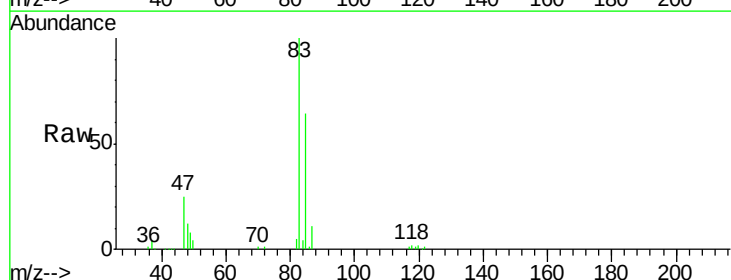
Manual Integrations
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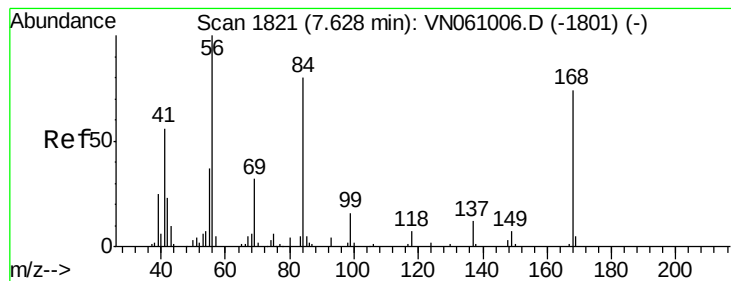
MMDadoda
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#30
Chloroform
Concen: 51.676 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.8	79.2





#31

Cyclohexane

Concen: 46.482 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

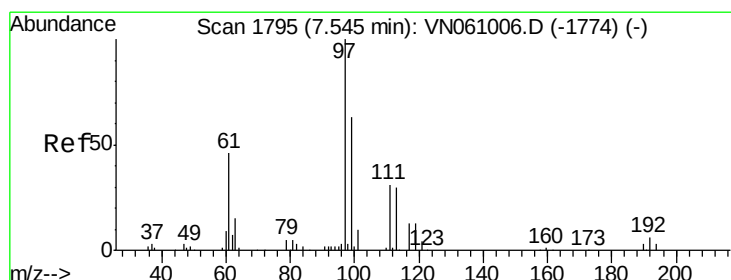
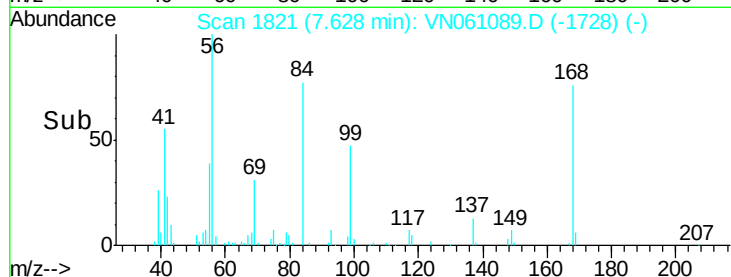
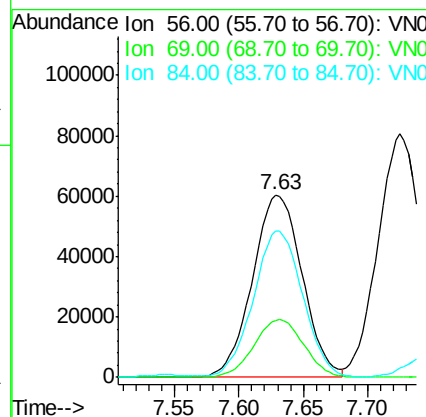
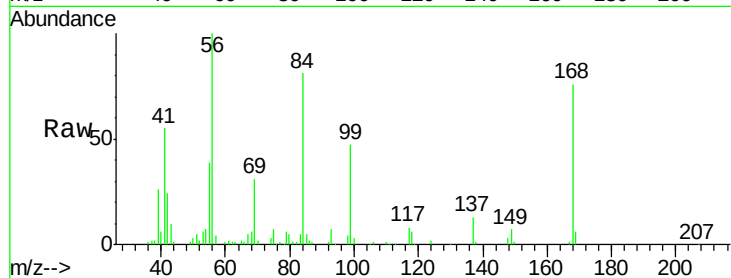
ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion:	56	Resp:	162102
Ion Ratio	Lower	Upper	
56	100		
69	31.3	25.6	38.4
84	79.7	63.4	95.2

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#32

1,1,1-Trichloroethane

Concen: 51.499 ug/l

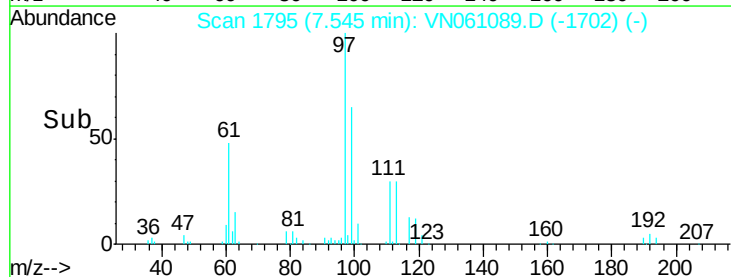
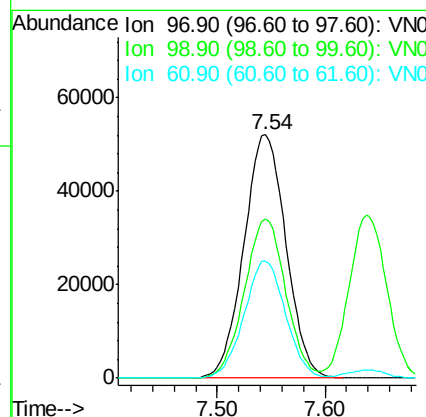
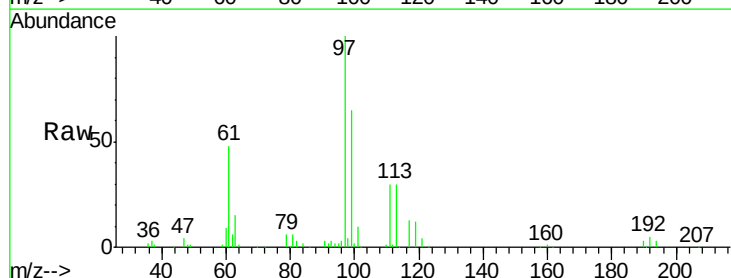
RT: 7.54 min Scan# 1795

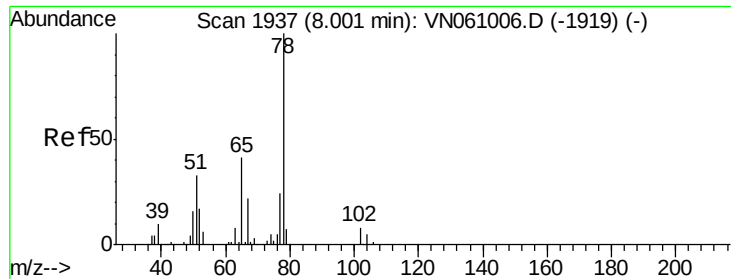
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion:	97	Resp:	141207
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.0	76.4
61	47.6	37.0	55.6





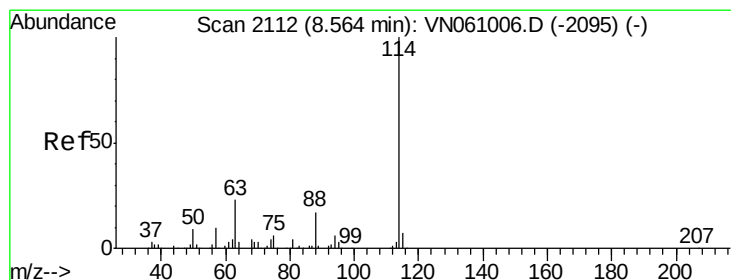
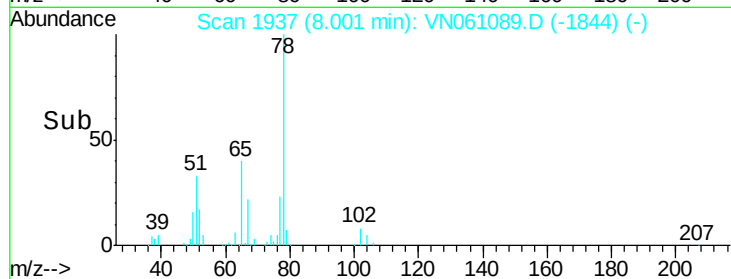
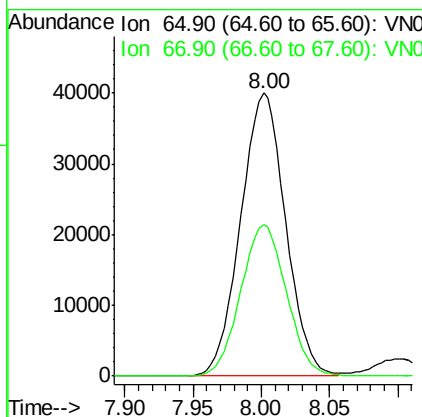
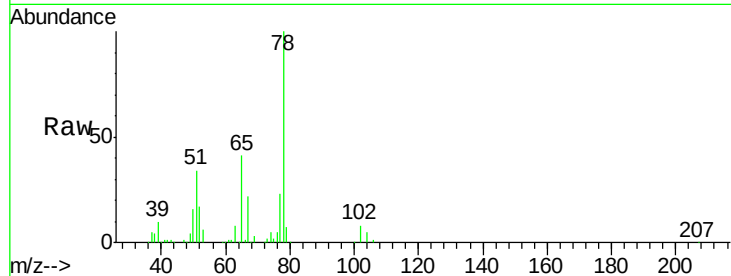
#33
 1,2-Dichloroethane-d4
 Concen: 48.901 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	91550		
67	54.3	0.0	107.0	

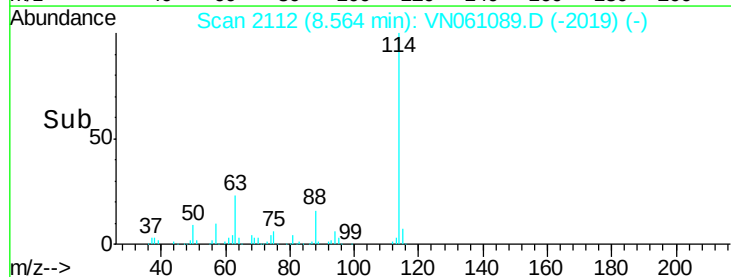
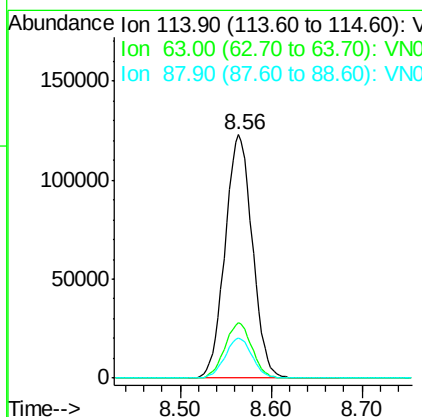
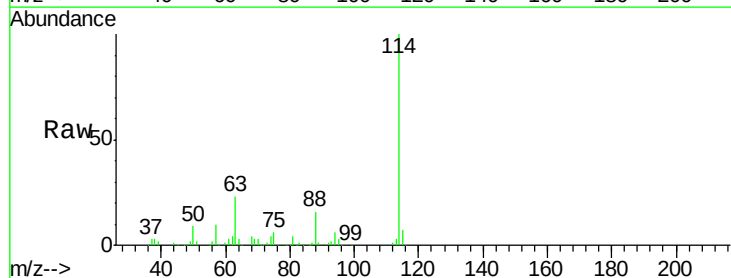
Manual Integrations
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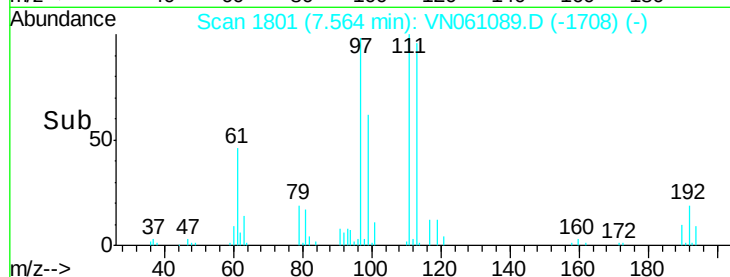
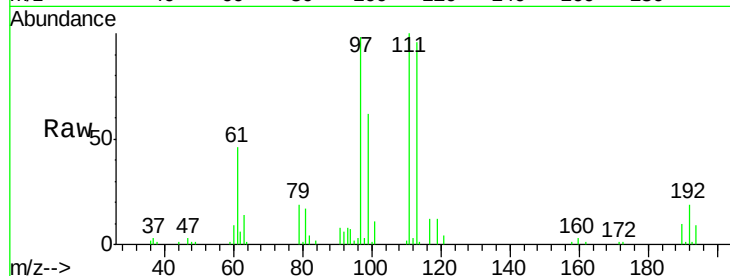
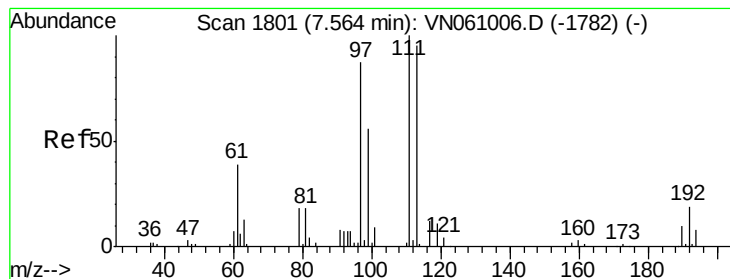
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	256023		
63	22.7	0.0	46.2	
88	16.5	0.0	33.4	





#35

Dibromofluoromethane

Concen: 47.807 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tot Ion:	113	Resp:	71479
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.4	125.2
192	18.8	15.5	23.3

Instrument :

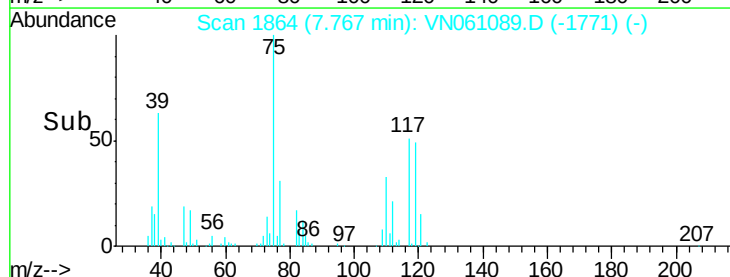
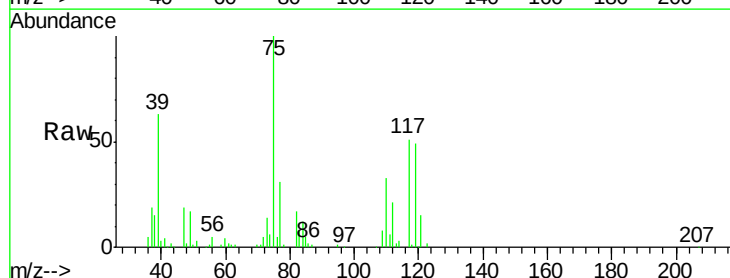
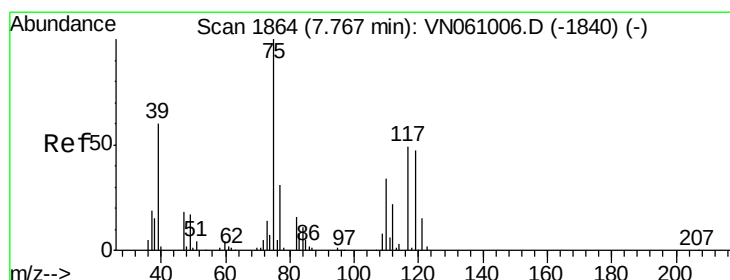
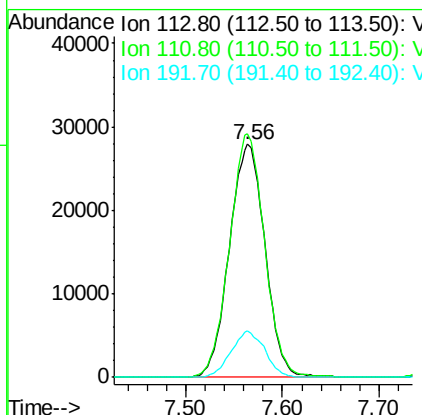
MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MSD

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#36

1,1-Dichloropropene

Concen: 48.302 ug/l

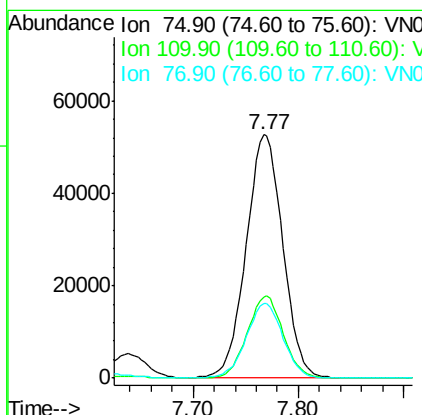
RT: 7.77 min Scan# 1864

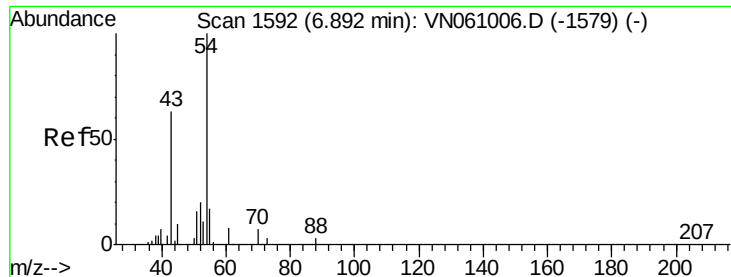
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion:	75	Resp:	127611
Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.8	50.3
77	30.8	24.7	37.1





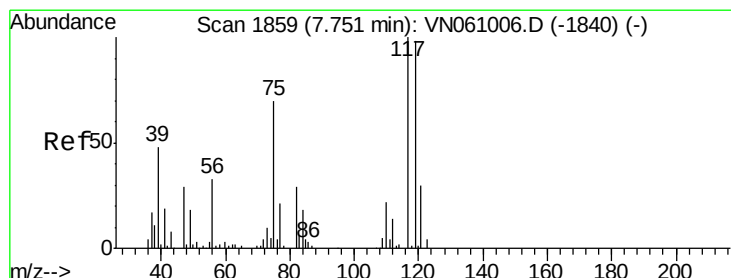
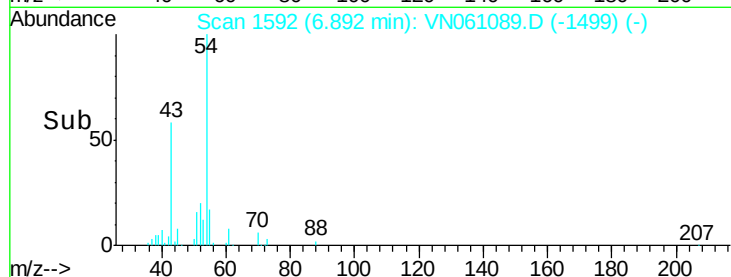
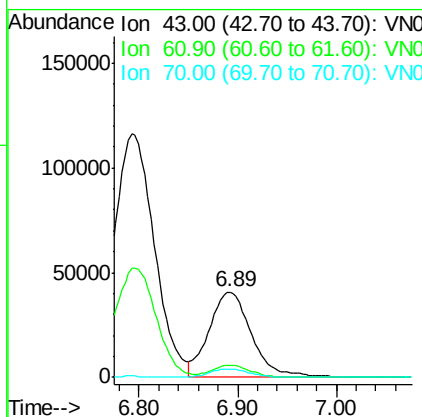
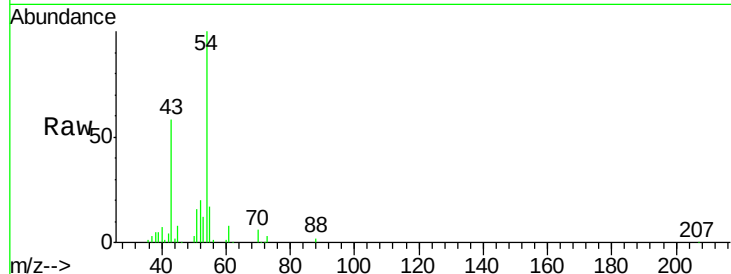
#37
Ethyl Acetate
Concen: 41.873 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.3	10.9	16.3	
70	9.3	7.7	11.5	

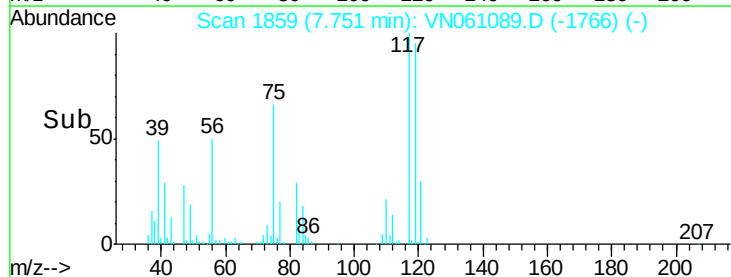
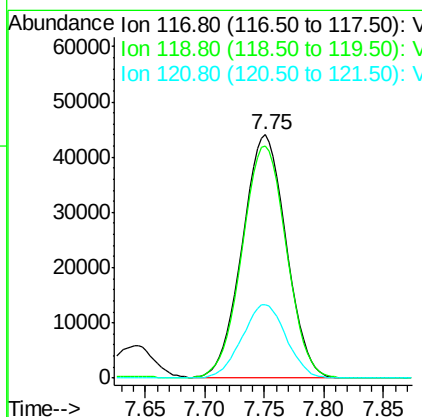
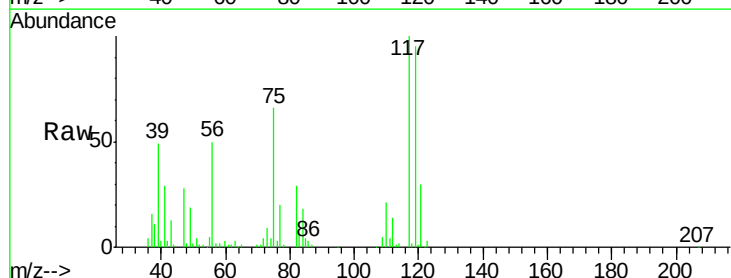
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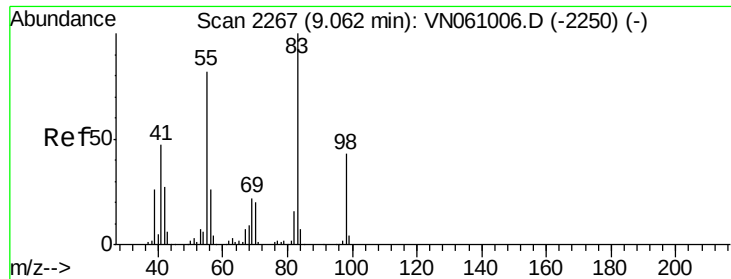
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.228 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	78.1	117.1	
121	30.2	24.0	36.0	





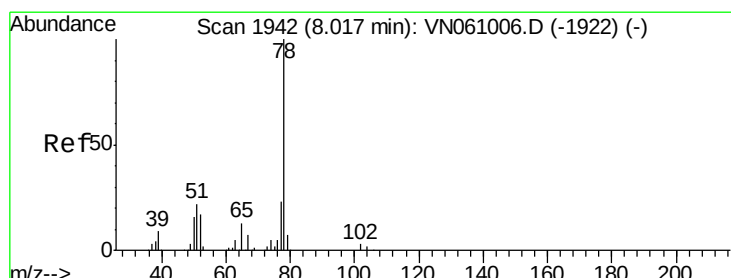
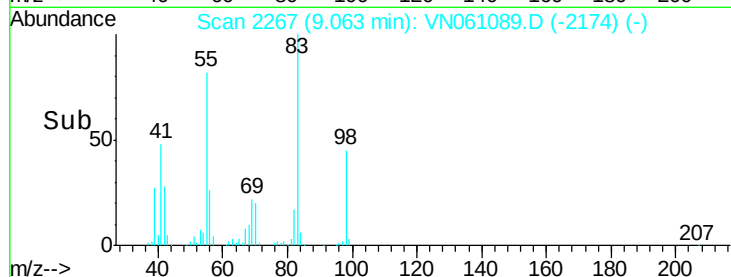
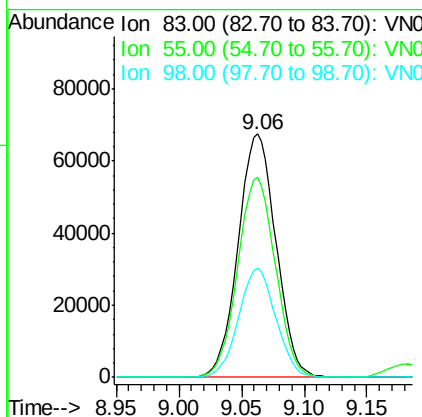
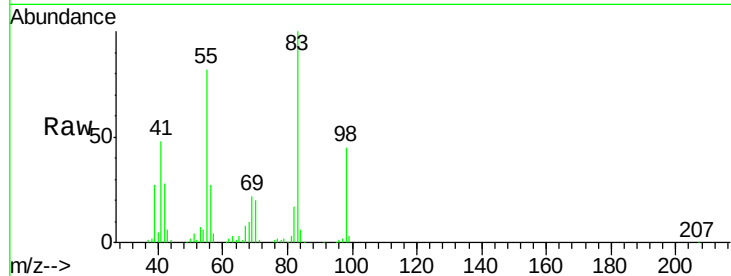
#39
Methylvlcyclohexane
Concen: 44.789 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100	141470		
55	82.0		65.4	98.0
98	44.7		34.6	51.8

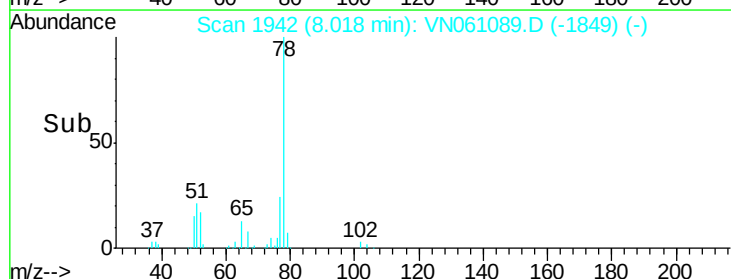
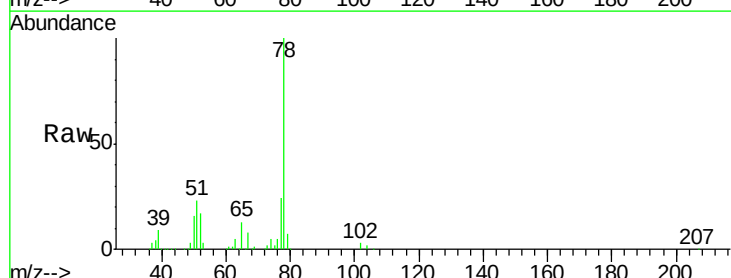
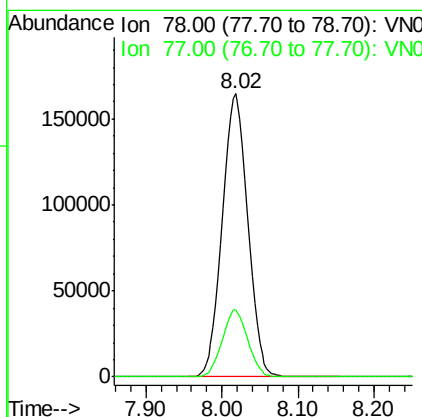
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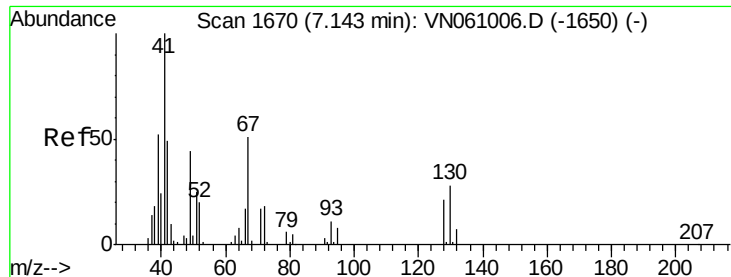
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#40
Benzene
Concen: 49.378 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	387010		
77	23.7		18.8	28.2





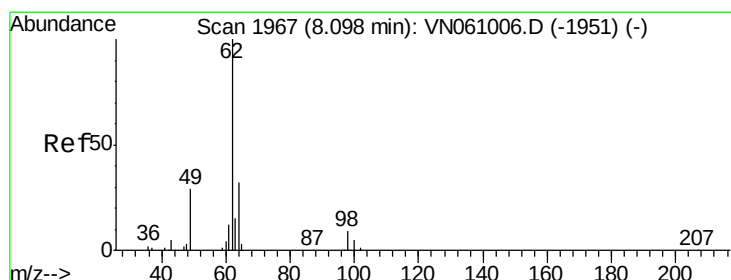
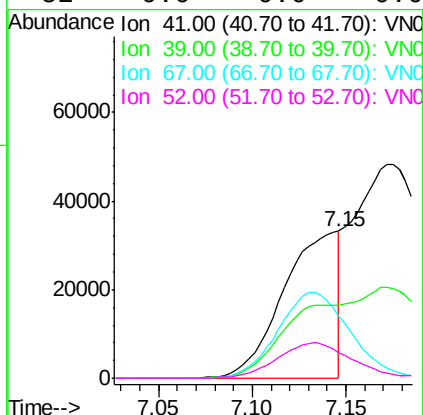
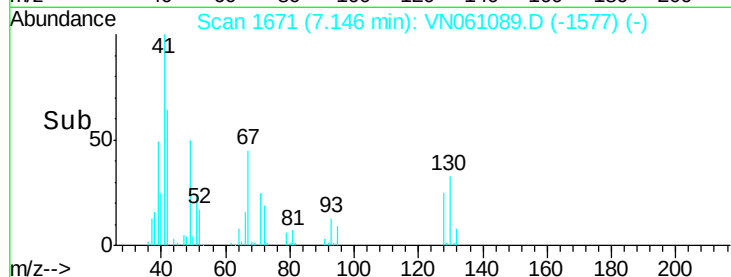
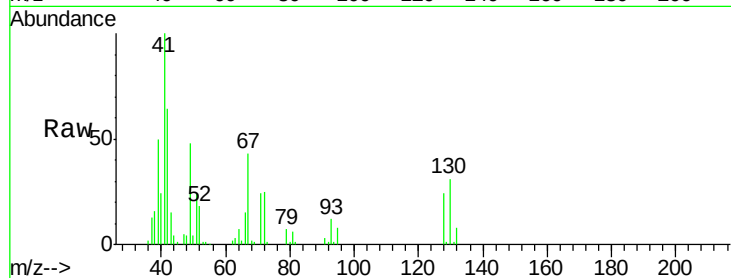
#41
Methacrylonitrile
Concen: 57.565 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	41	Resp:	68879
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

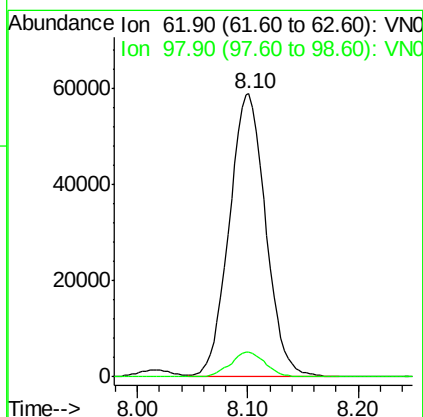
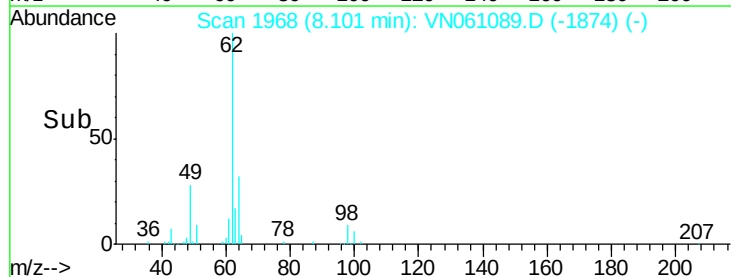
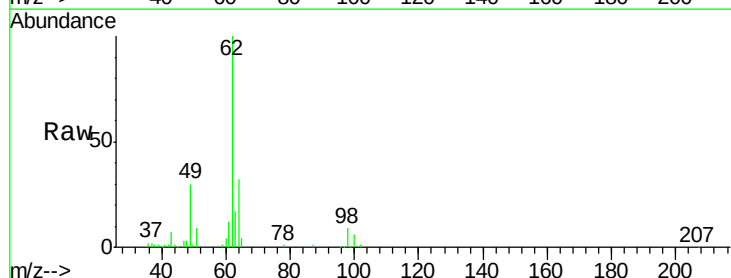
Manual Integrations
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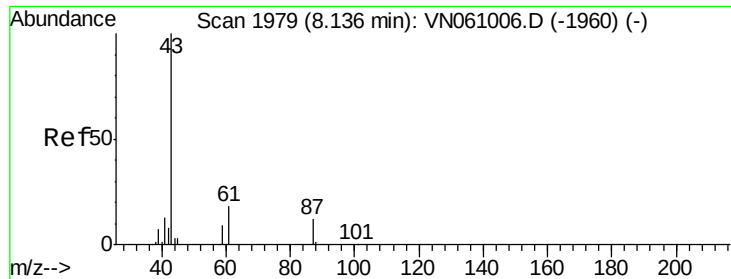
MMDadoda
4/20/2020 10:07:23 AM



#42
1,2-Dichloroethane
Concen: 50.581 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	62	Resp:	135051
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 45.646 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

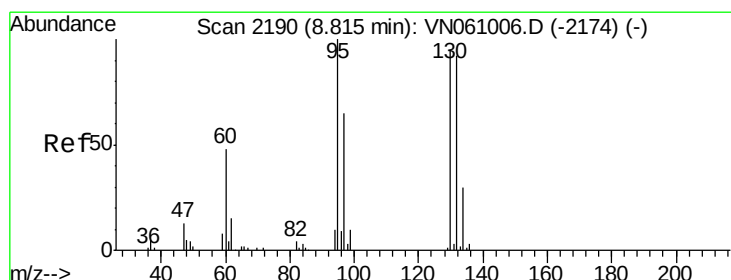
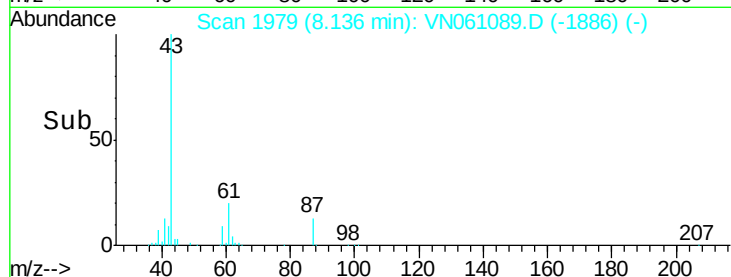
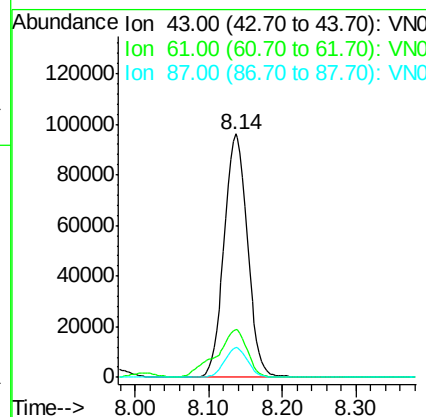
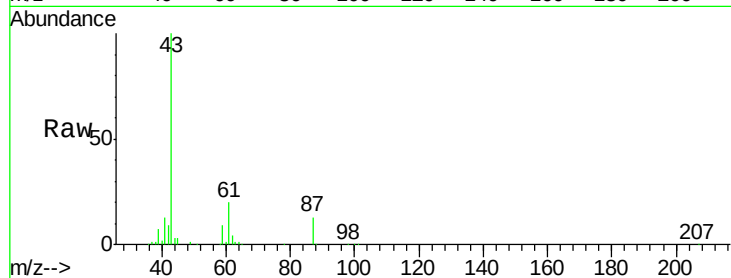
ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion:	43	Resp:	212964
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.3	30.5
87	11.9	9.4	14.2

Manual Integrations
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MMDadoda
4/20/2020 10:07:23 AM



#44

Trichloroethene

Concen: 48.113 ug/l

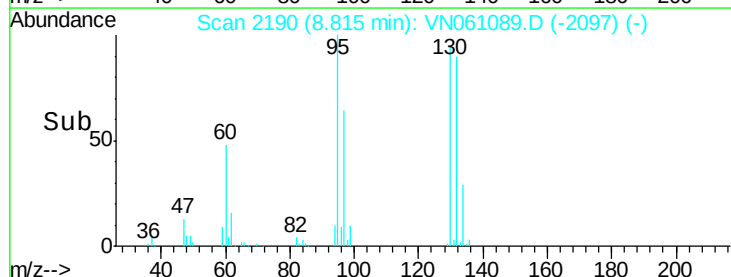
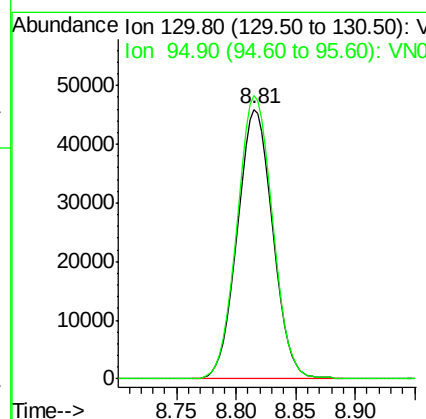
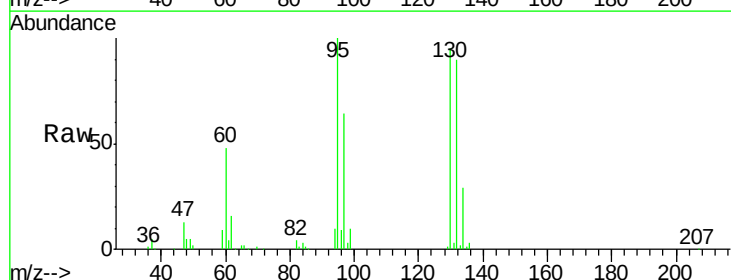
RT: 8.81 min Scan# 2190

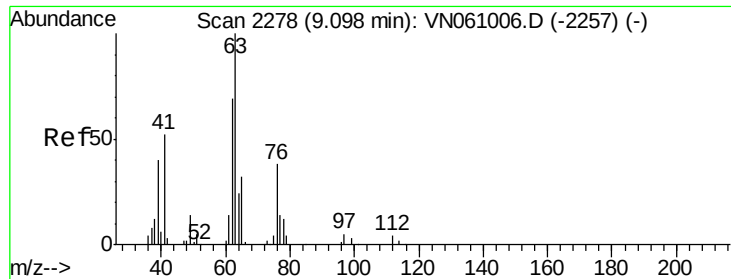
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion:	130	Resp:	94753
Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	210.0





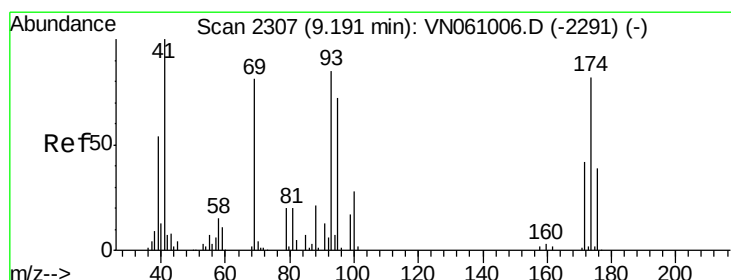
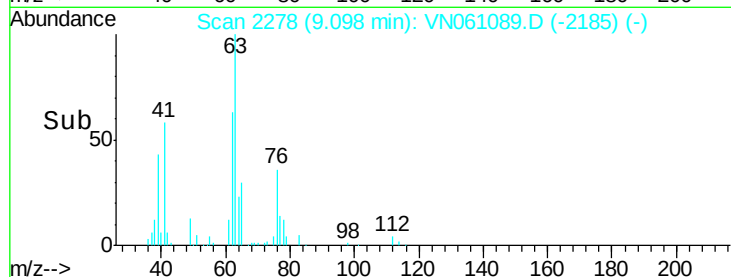
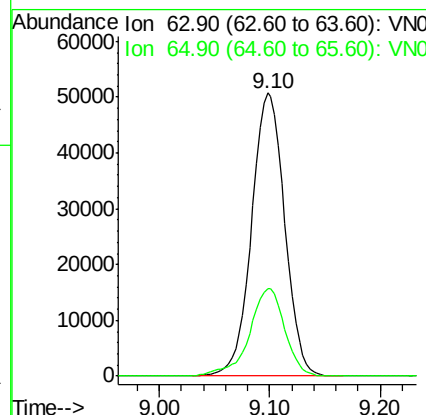
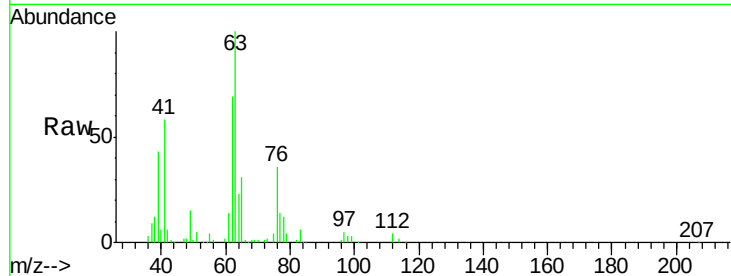
#45
 1,2-Dichloropropane
 Concen: 49.764 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.2	37.8

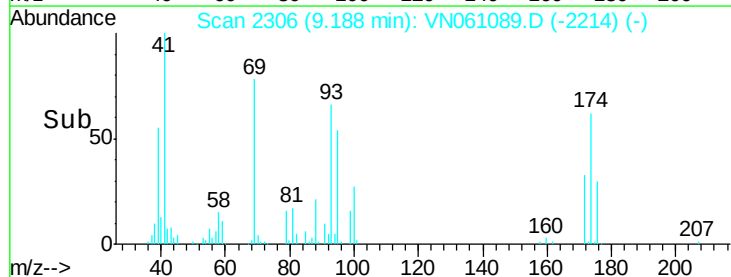
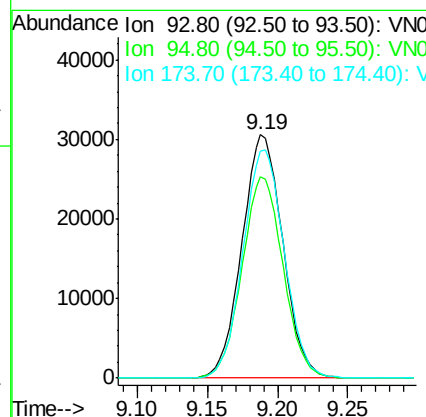
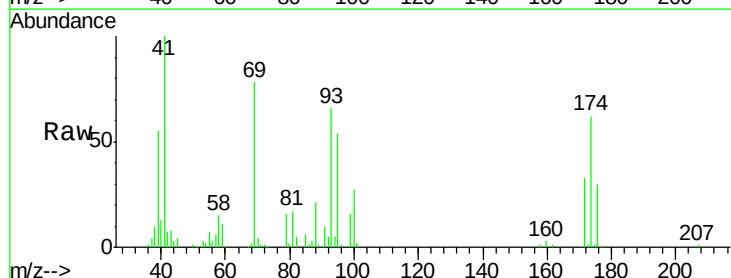
Manual Integrations
 APPROVED

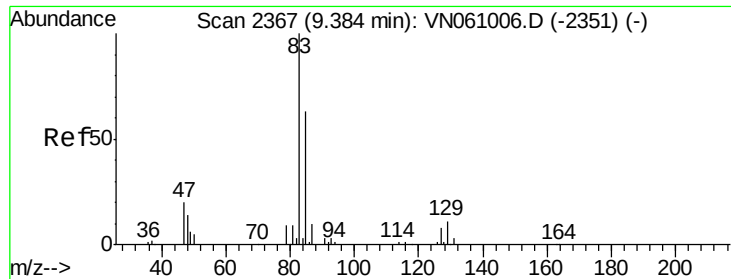
MMDadoda
 4/20/2020 10:07:23 AM



#46
 Dibromomethane
 Concen: 50.966 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.8	100.2
174	94.7	76.2	114.4





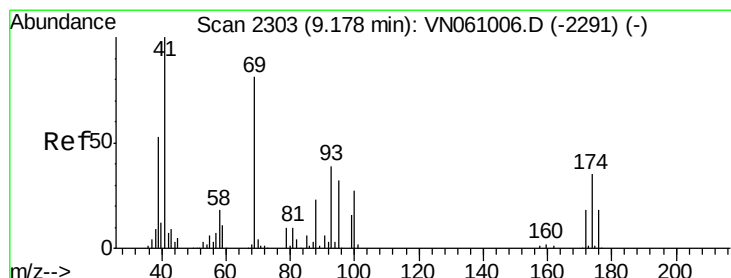
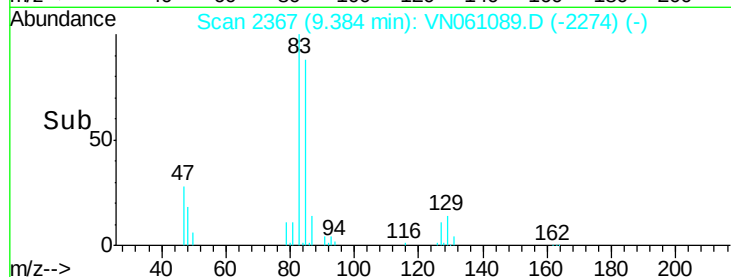
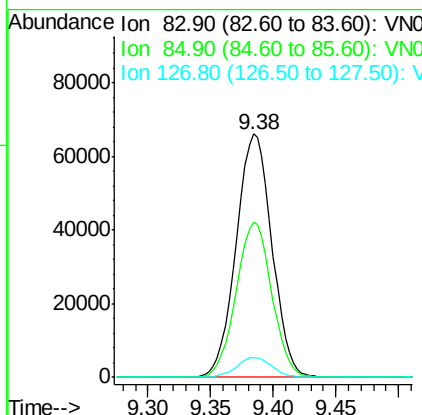
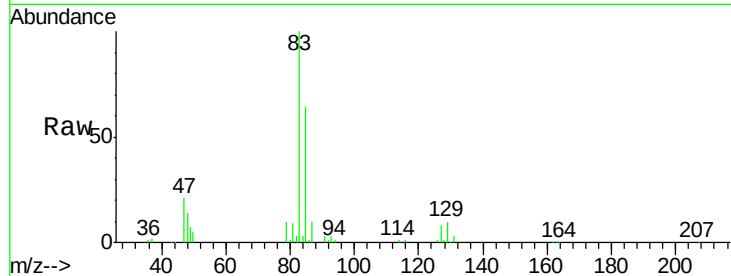
#47
Bromodichloromethane
Concen: 50.804 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	83	Resp	130998
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	50.6	76.0
127	8.2	6.1	9.1

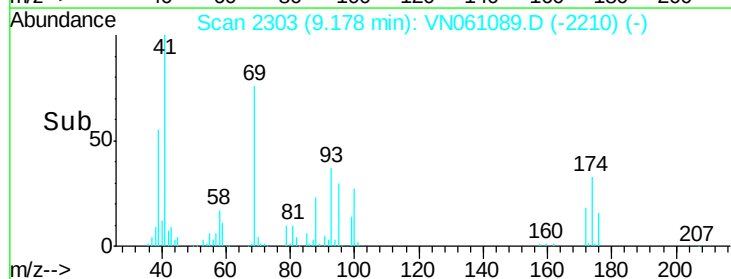
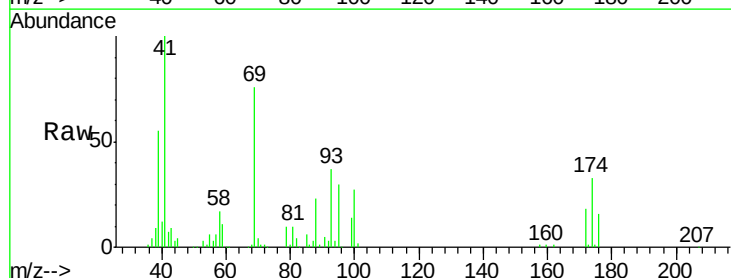
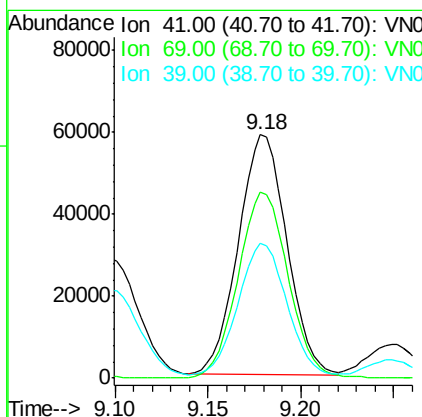
Manual Integrations
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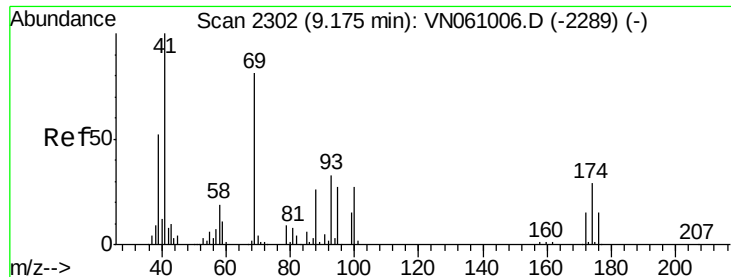
MMDadoda
4/20/2020 10:07:23 AM



#48
Methyl methacrylate
Concen: 52.075 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	41	Resp	107370
Ion Ratio	100	Lower	Upper
41	100		
69	79.9	65.3	97.9
39	57.7	45.2	67.8





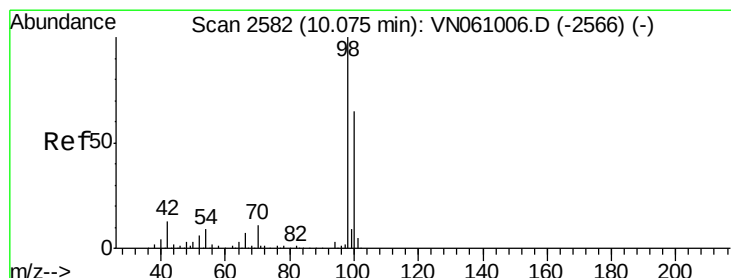
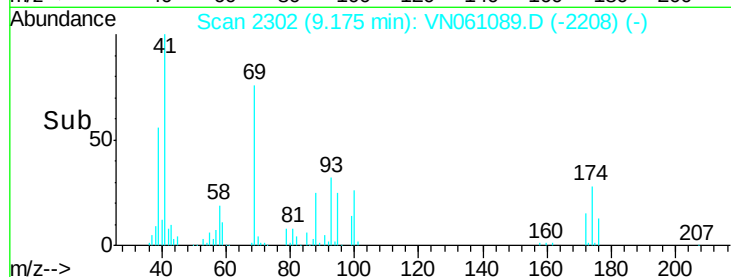
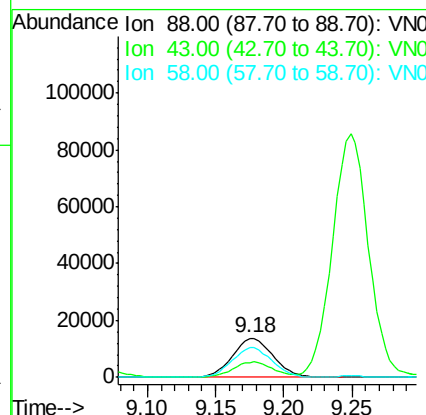
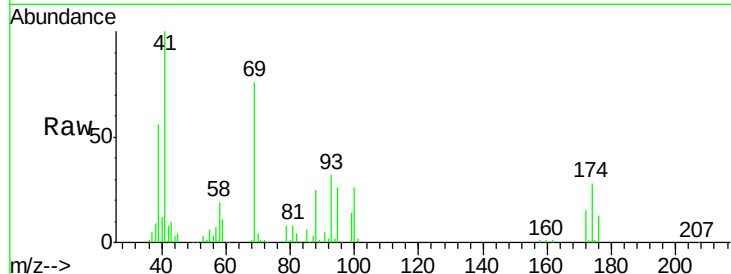
#49
1,4-Dioxane
Concen: 995.597 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.7		30.9	46.3
58	74.7		59.8	89.8

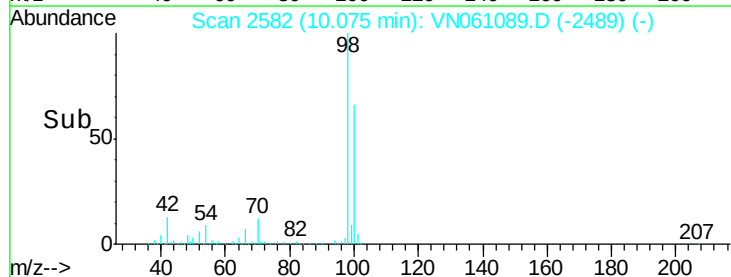
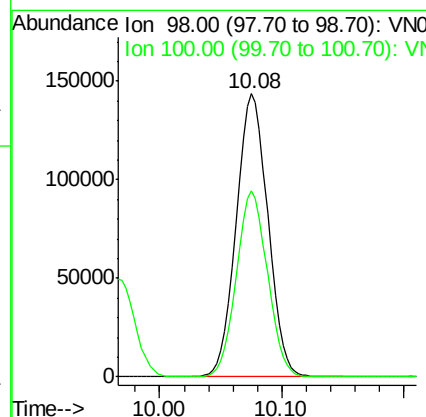
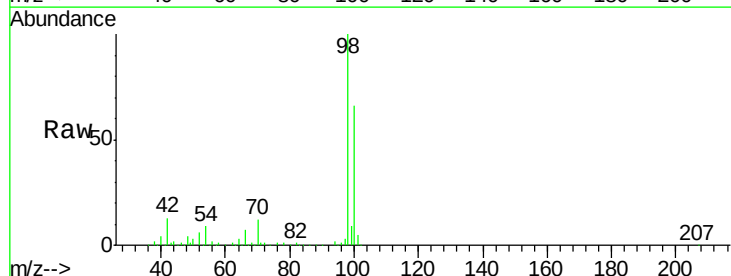
Manual Integrations
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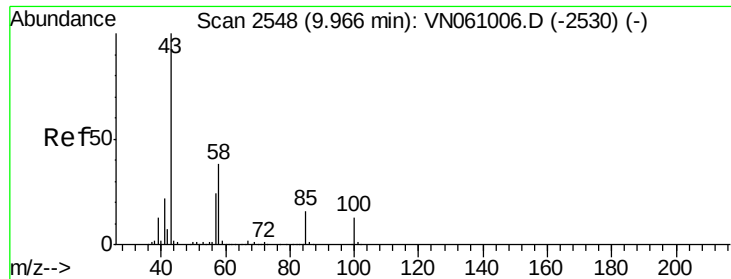
MMDadoda
4/20/2020 10:07:23 AM



#50
Toluene-d8
Concen: 45.799 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.7		51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 262.525 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion: 43 Resp: 706076

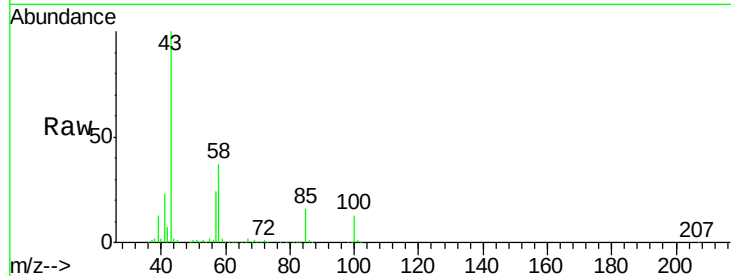
Ion Ratio Lower Upper

43 100

58 37.5 30.3 45.5

Manual Integrations
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MMDadoda
4/20/2020 10:07:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)

9.97

400000

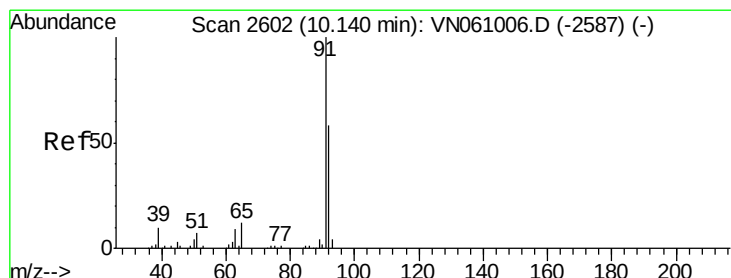
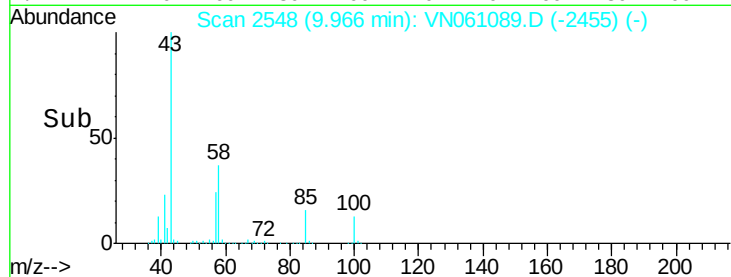
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.949 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061089.D

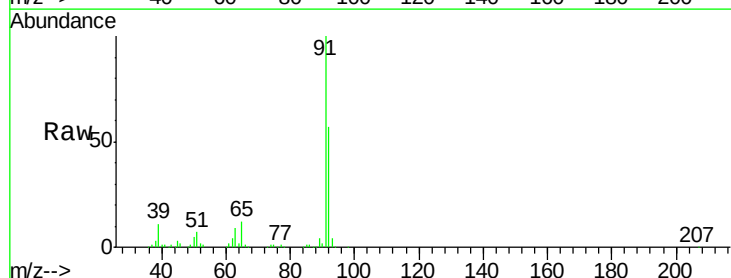
Acq: 18 Apr 2020 6:31

Tgt Ion: 92 Resp: 230154

Ion Ratio Lower Upper

92 100

91 174.0 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VN061006.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN061006.D (-2587) (-)

10.14

250000

200000

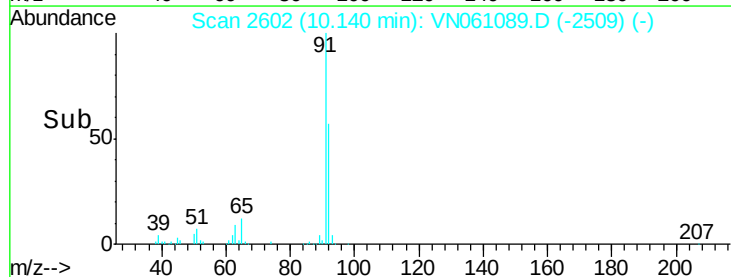
150000

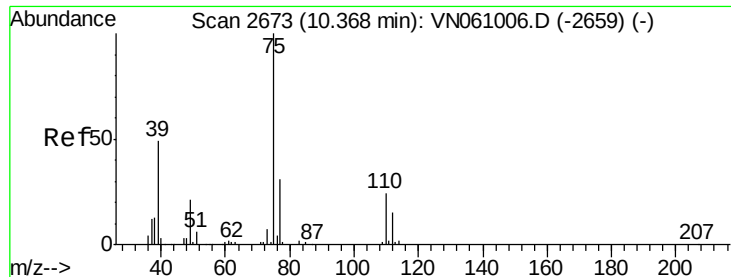
100000

50000

0

Time-->





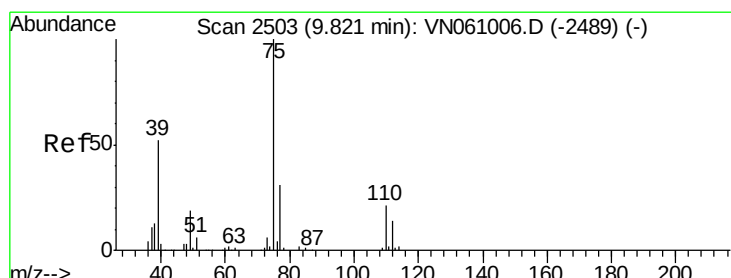
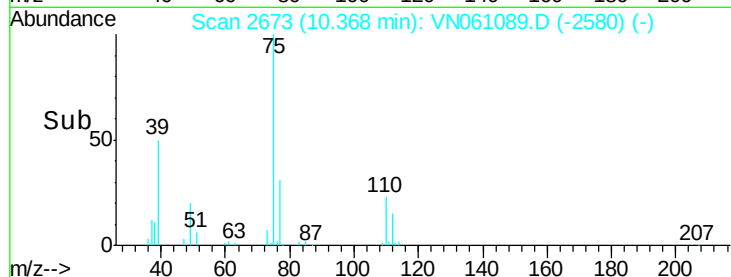
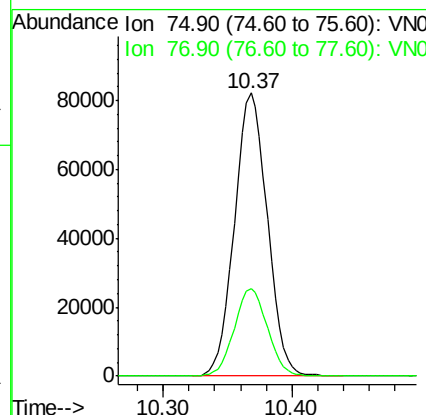
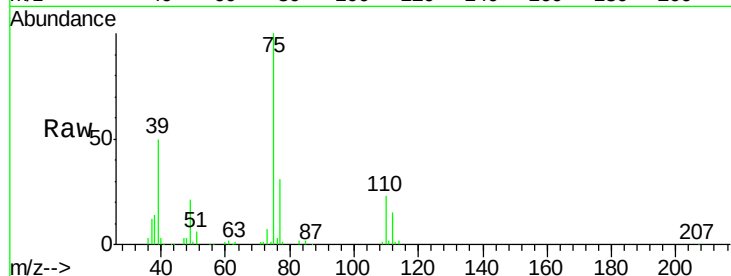
#53
t-1,3-Dichloropropene
Concen: 48.455 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.6

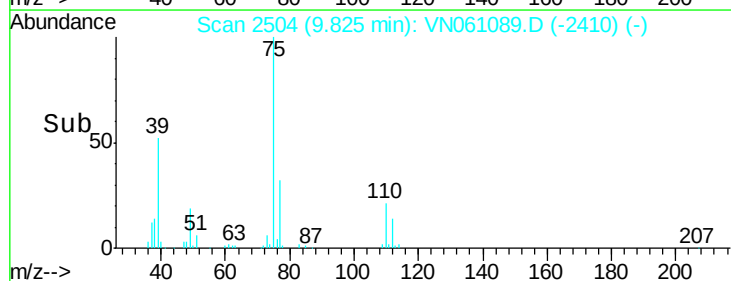
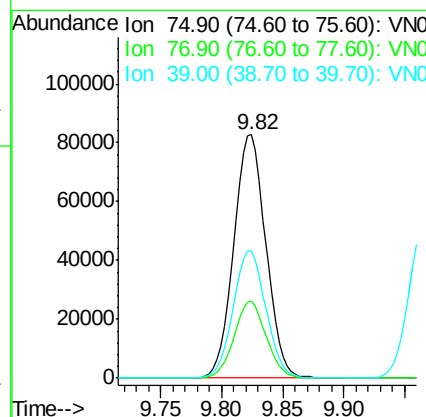
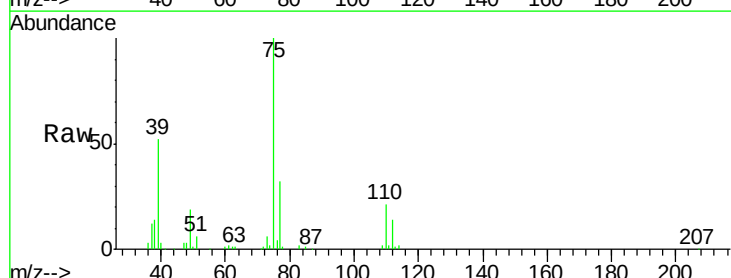
Manual Integrations
APPROVED

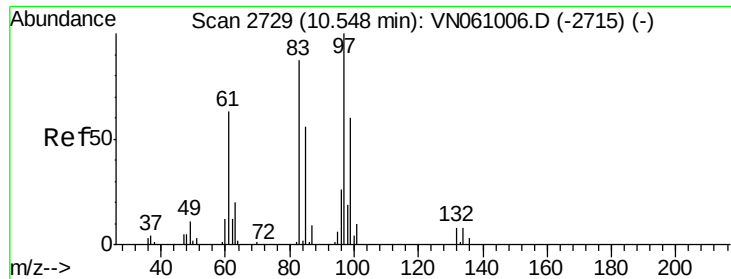
MMDadoda
4/20/2020 10:07:23 AM



#54
cis-1,3-Dichloropropene
Concen: 46.449 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6
39	52.3	41.4	62.2





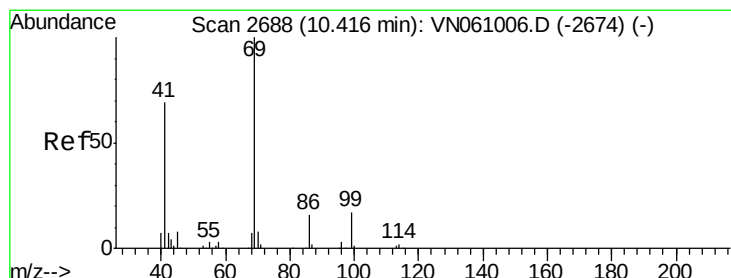
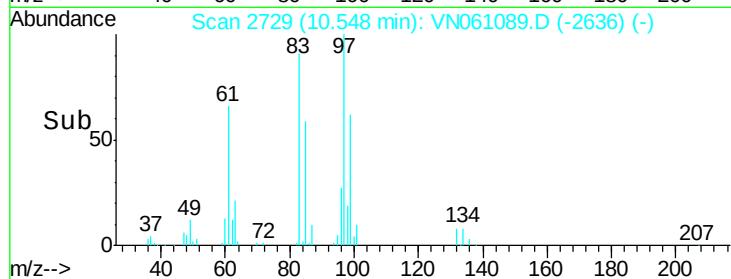
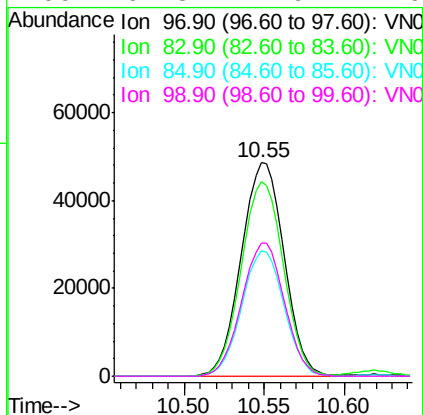
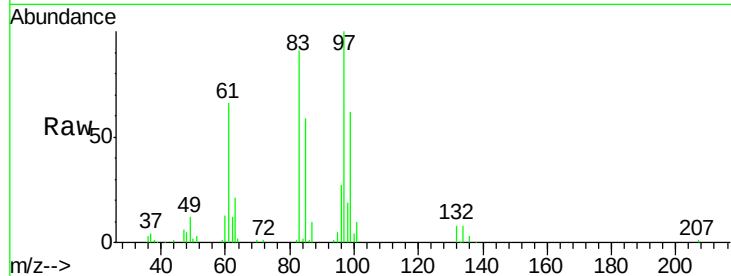
#55
 1,1,2-Trichloroethane
 Concen: 50.023 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion:	97	Resp:	89010
Ion	Ratio	Lower	Upper
97	100		
83	91.2	69.5	104.3
85	58.6	45.0	67.4
99	62.3	47.9	71.9

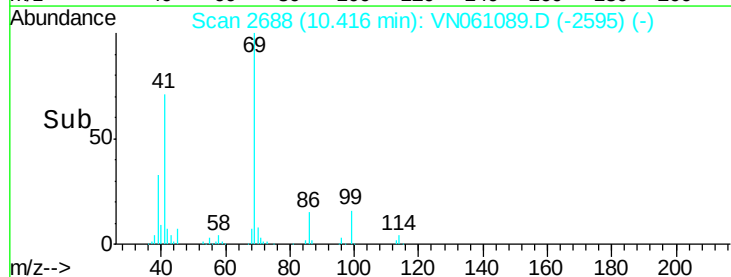
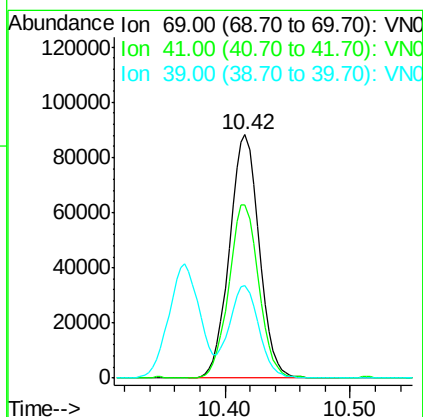
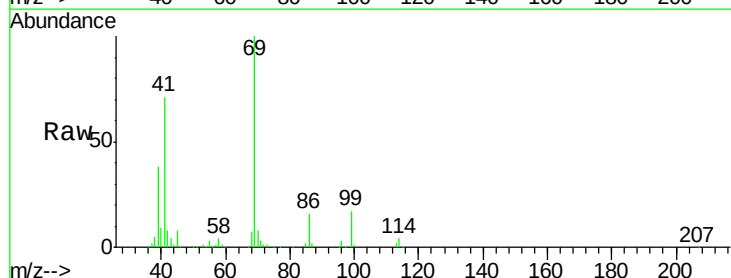
Manual Integrations
 APPROVED

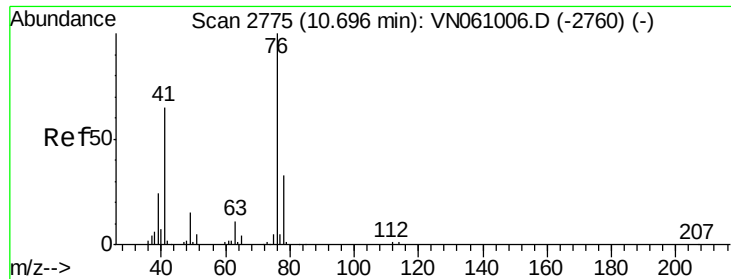
MMDadoda
 4/20/2020 10:07:23 AM



#56
 Ethyl methacrylate
 Concen: 51.936 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion:	69	Resp:	145319
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.7	85.1
39	37.6	29.4	44.0





#57

1,3-Dichloropropane

Concen: 50.179 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion: 76 Resp: 159261

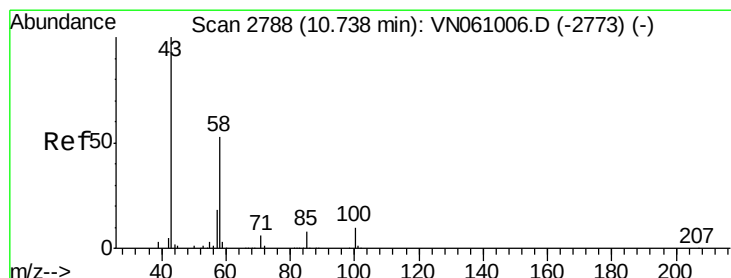
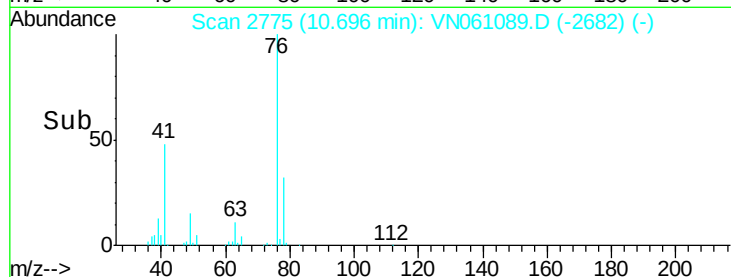
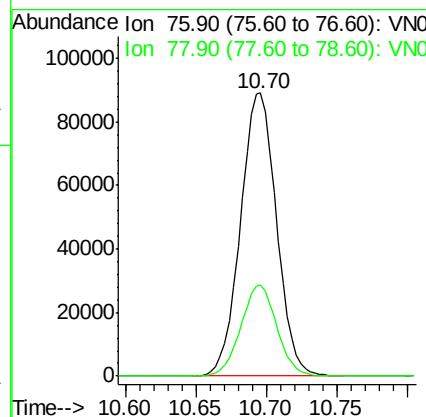
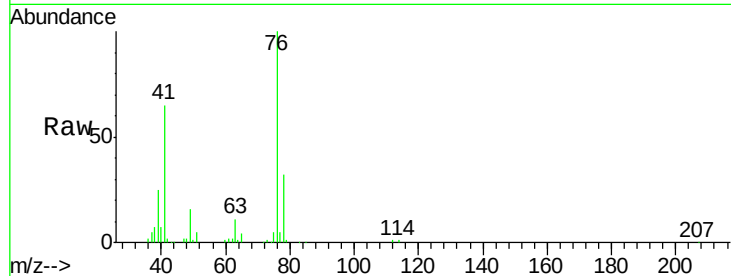
Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
4/20/2020 10:07:23 AM



#59

2-Hexanone

Concen: 265.828 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.00 min

Lab File: VN061089.D

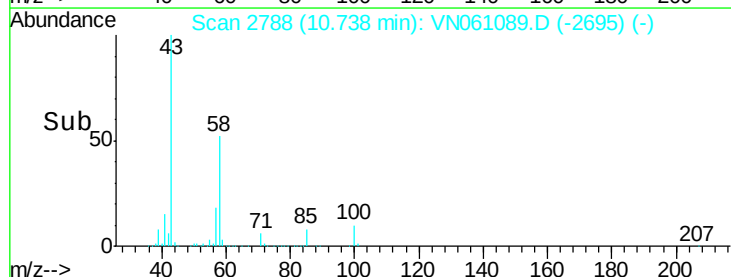
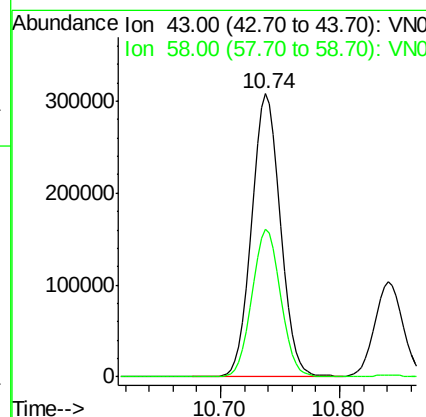
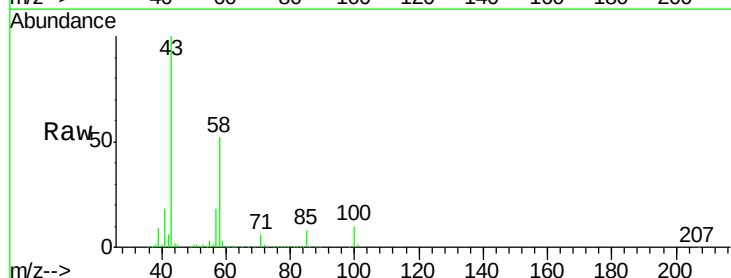
Acq: 18 Apr 2020 6:31

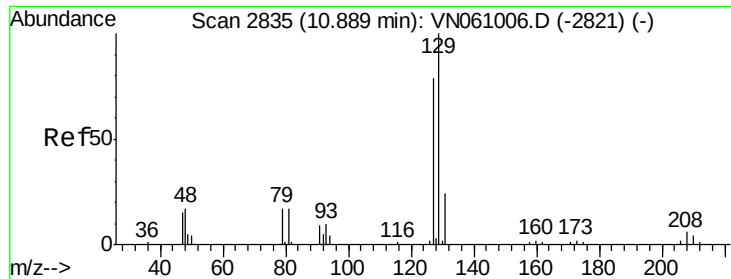
Tgt Ion: 43 Resp: 515615

Ion Ratio Lower Upper

43 100

58 52.2 26.4 79.0





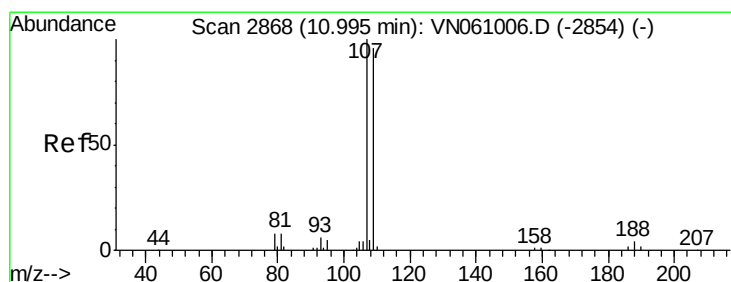
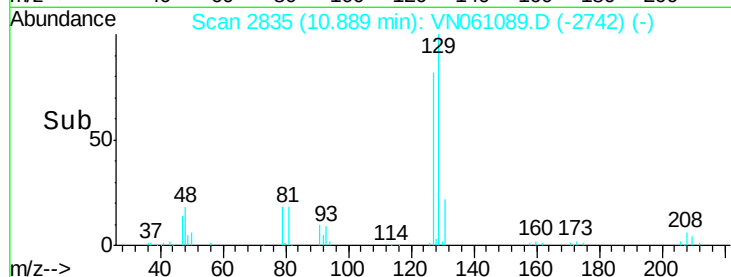
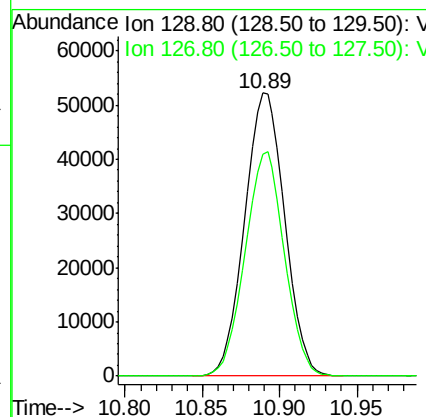
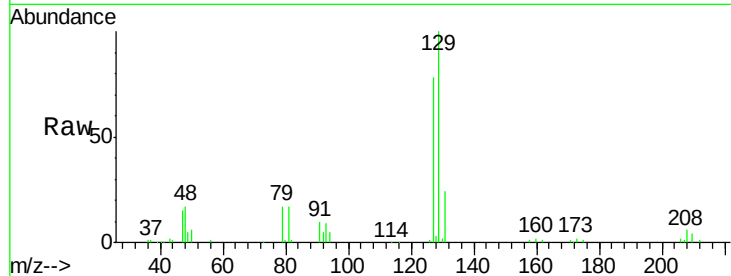
#60
 Dibromochloromethane
 Concen: 51.506 ug/l
 RT: 10.89 min Scan# 2835
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.0	116.9

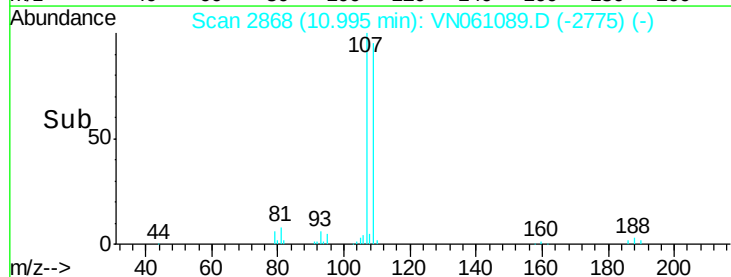
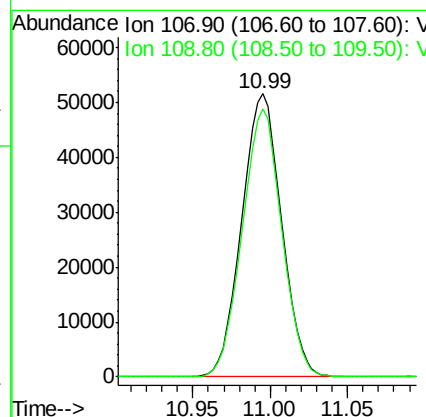
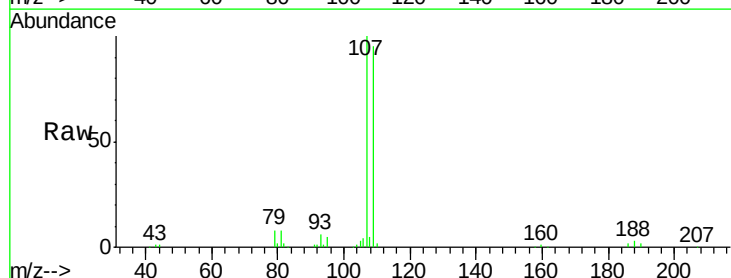
Manual Integrations
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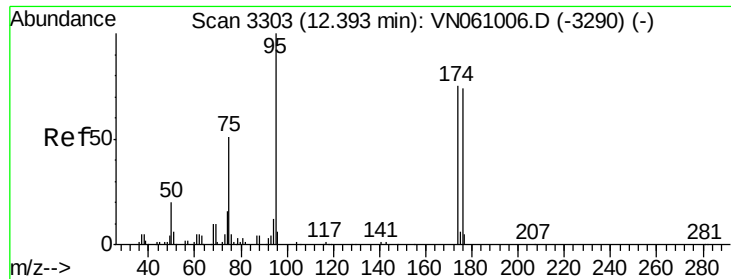
MMDadoda
 4/20/2020 10:07:23 AM



#61
 1,2-Dibromoethane
 Concen: 50.874 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.9	113.9





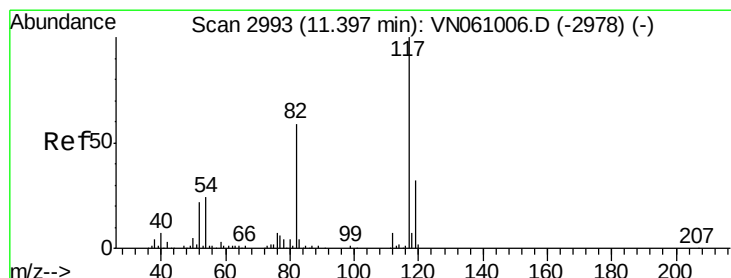
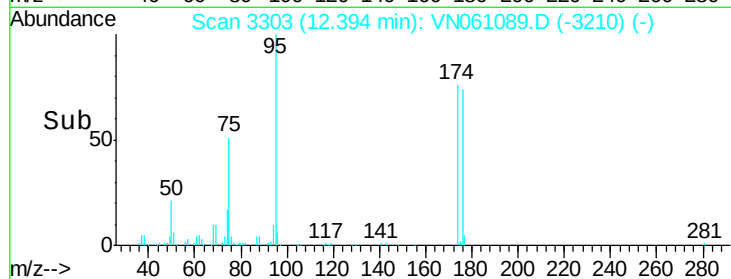
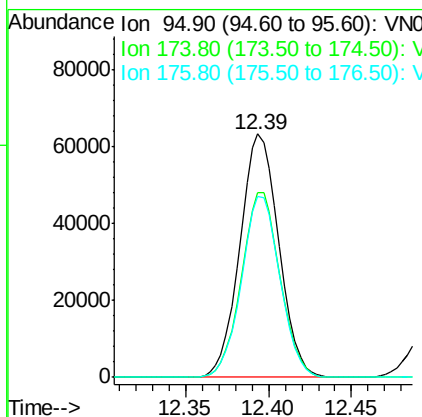
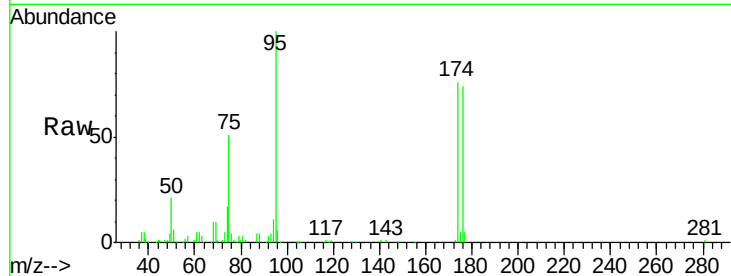
#62
4-Bromofluorobenzene
Concen: 46.622 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	151.2
176	73.7	0.0	148.2

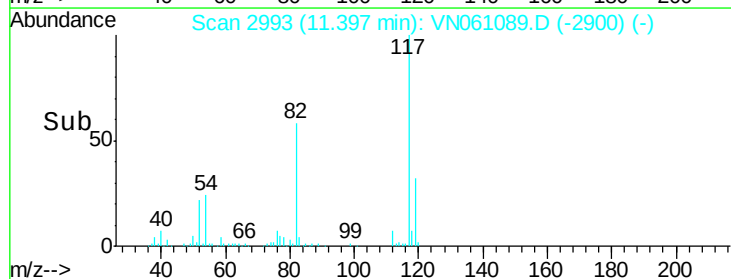
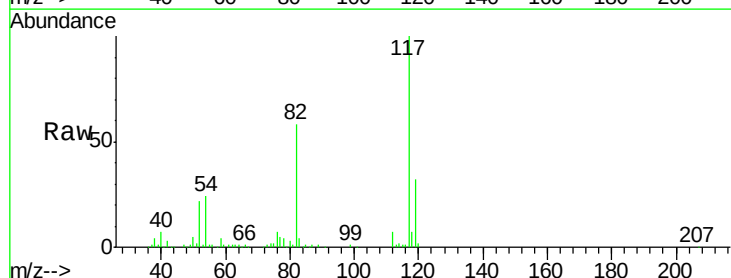
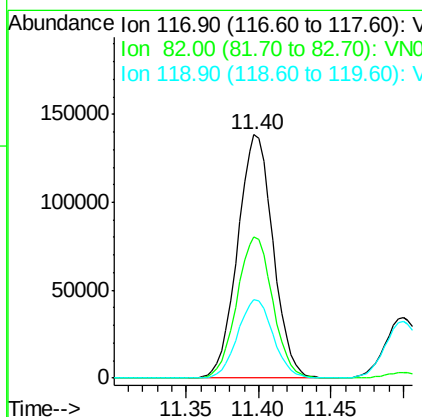
Manual Integrations
APPROVED

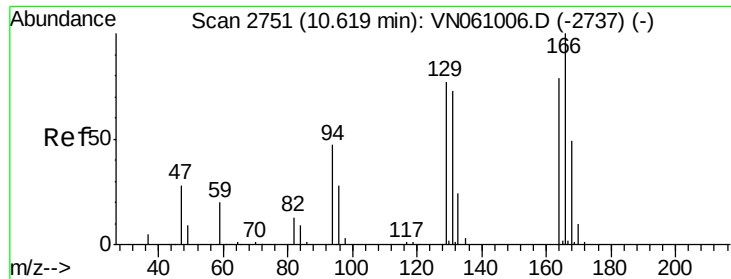
MMDadoda
4/20/2020 10:07:23 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.1	70.7
119	32.1	25.7	38.5





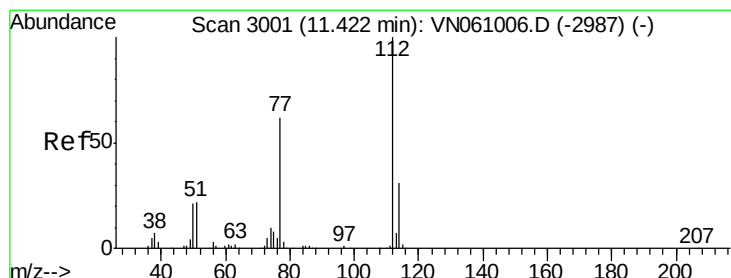
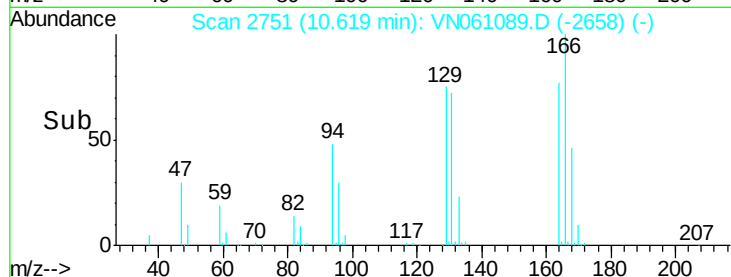
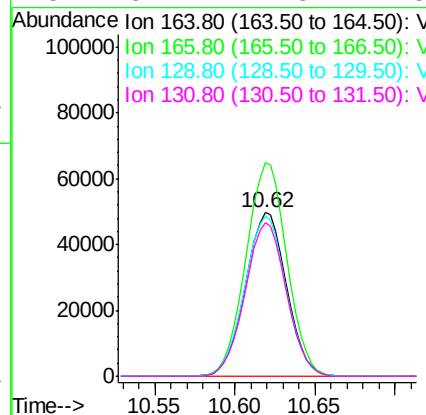
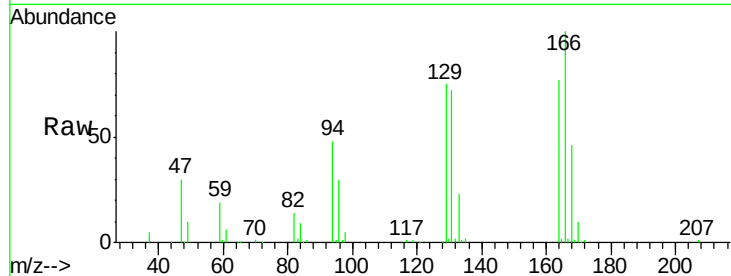
#64
Tetrachloroethene
Concen: 48.360 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.6	152.4
129	97.9	78.5	117.7
131	94.1	74.3	111.5

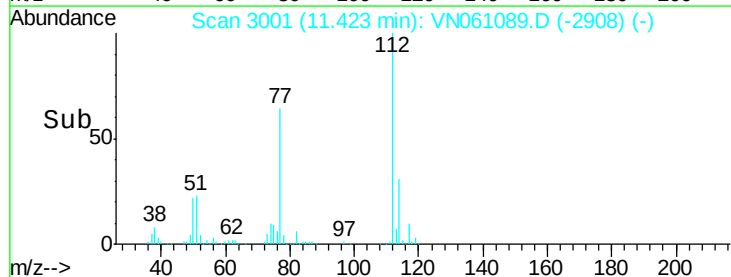
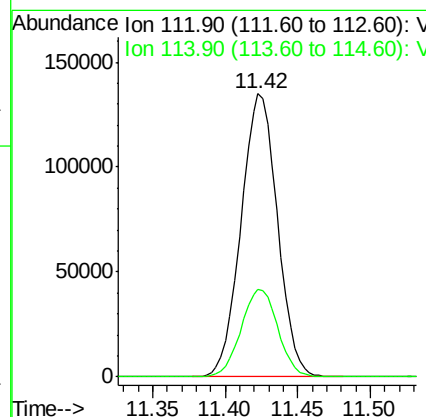
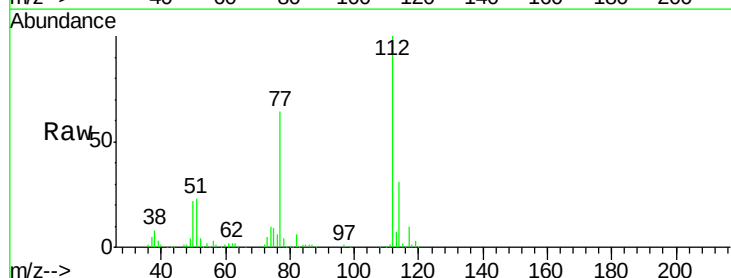
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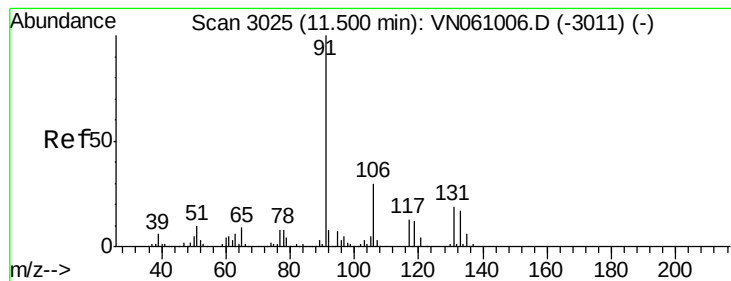
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#65
Chlorobenzene
Concen: 48.401 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.1	37.7





#66

1,1,1,2-Tetrachloroethane

Concen: 49.113 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

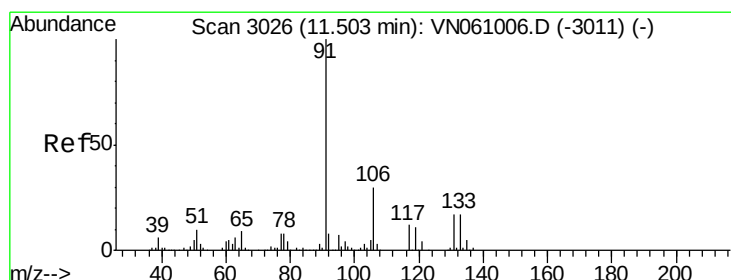
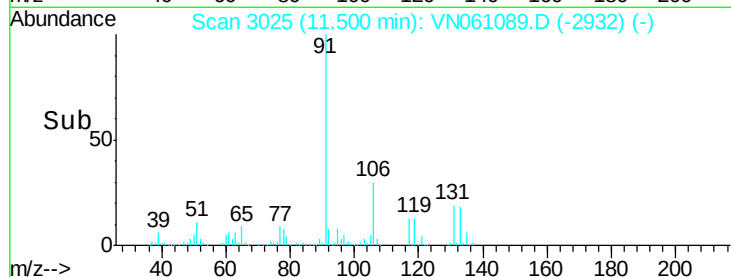
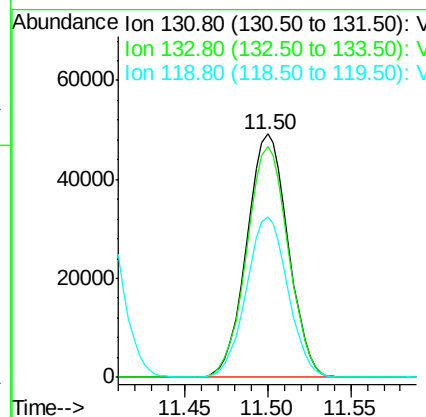
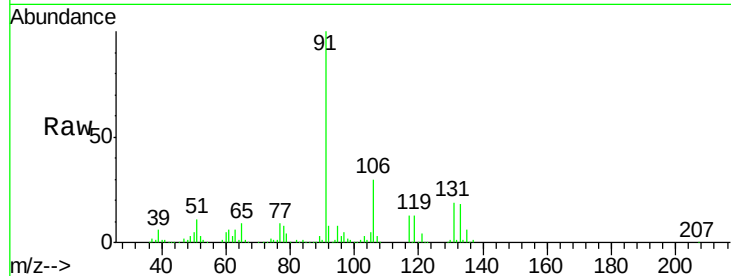
ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	85306		
133	95.3	47.9	143.8	
119	66.1	33.3	99.8	

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#67

Ethyl Benzene

Concen: 48.340 ug/l

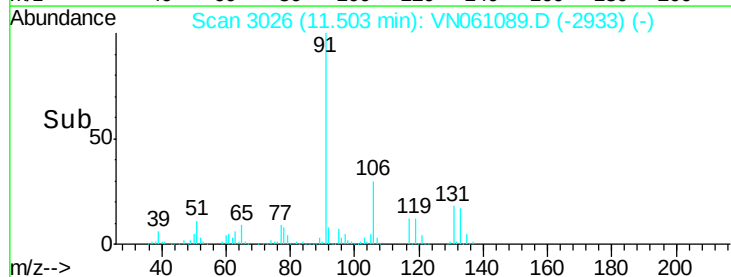
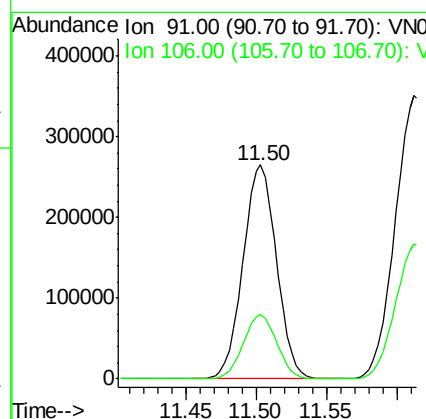
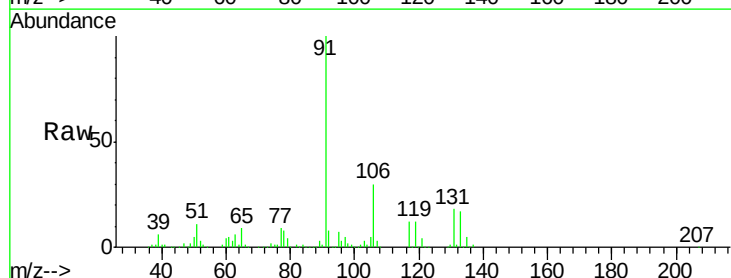
RT: 11.50 min Scan# 3026

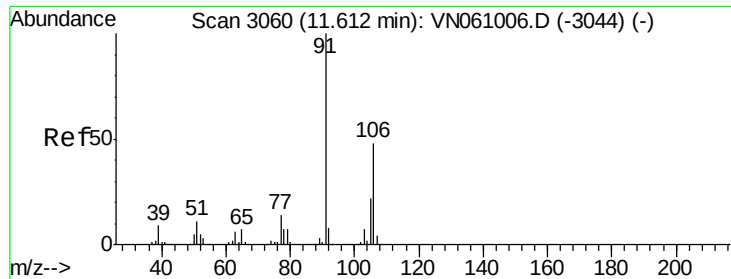
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	441455		
106	30.0	23.8	35.8	





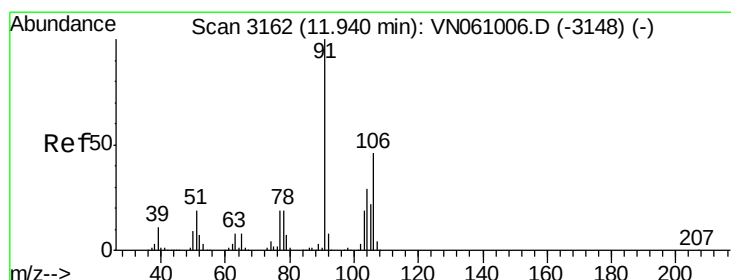
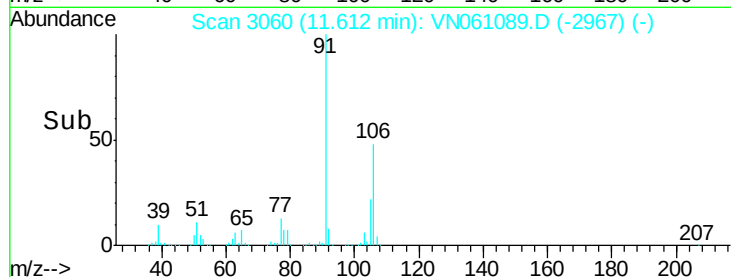
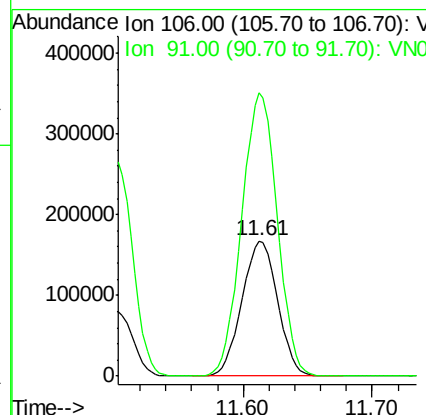
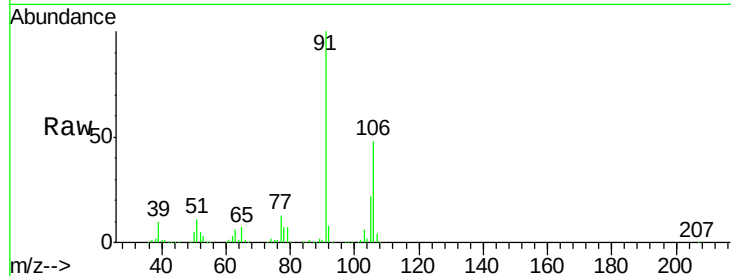
#68
m/p-Xylenes
Concen: 97.561 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.6	167.9	321991	251.9	

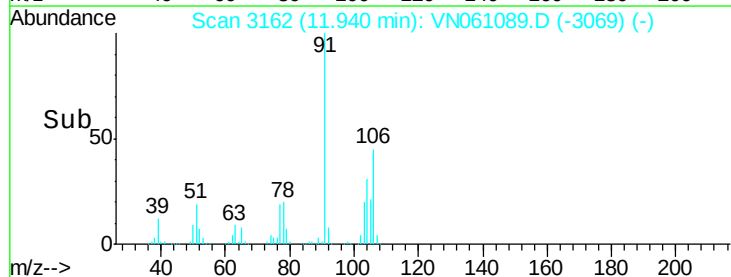
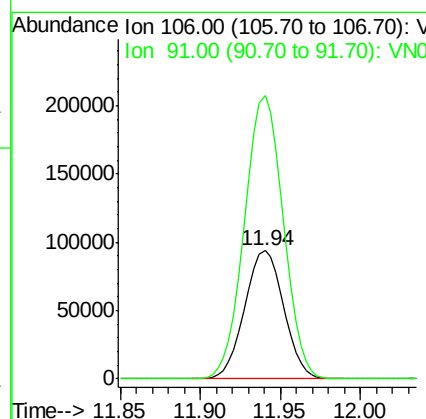
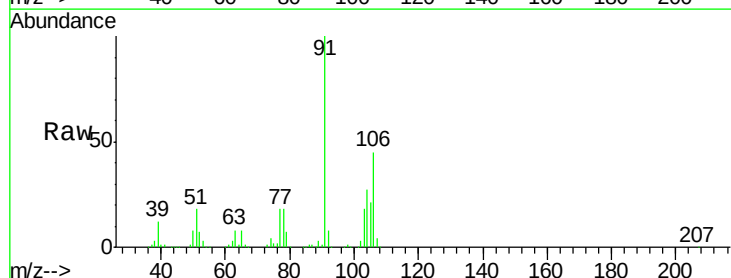
Manual Integrations
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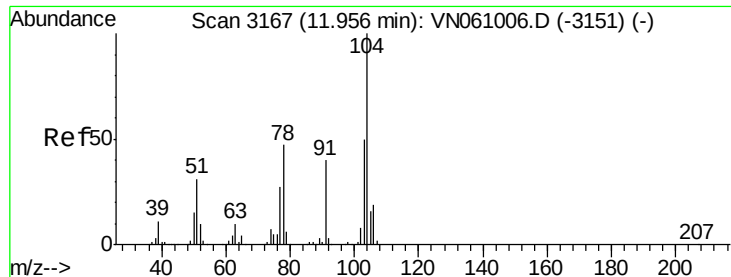
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#69
o-Xylene
Concen: 49.216 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	219.3	110.7	156176	332.1	





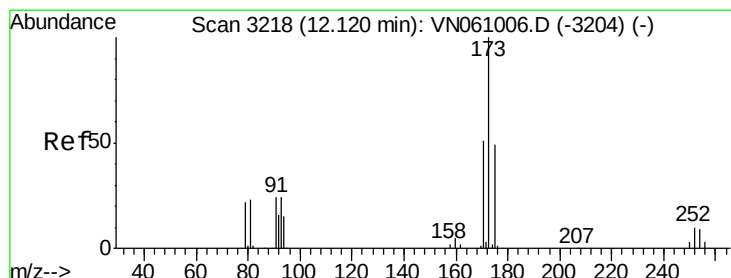
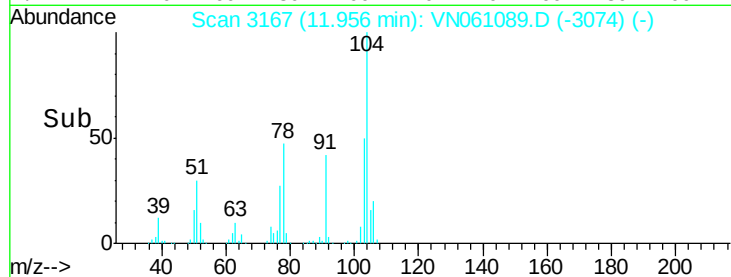
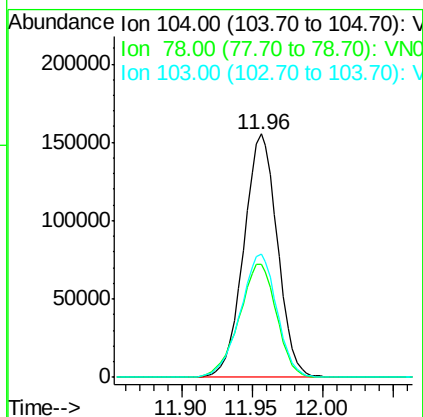
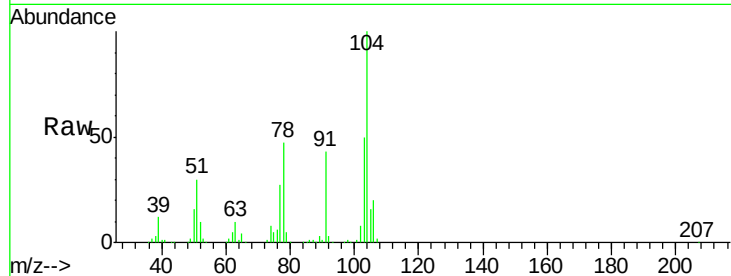
#70
Stvrene
Concen: 50.806 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Resp	Lower	Upper
104	100	259551		
78	51.9	42.2	63.4	
103	55.0	44.4	66.6	

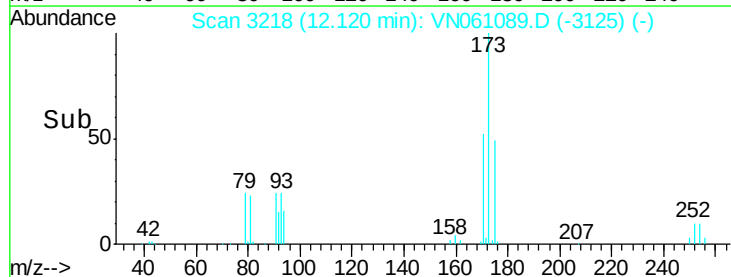
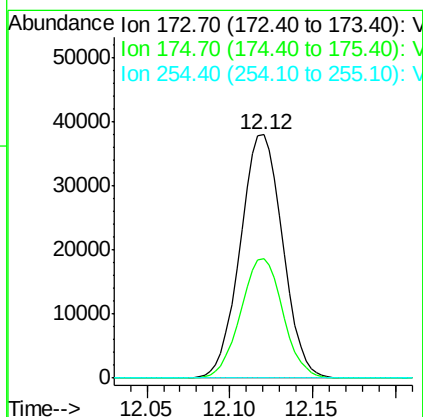
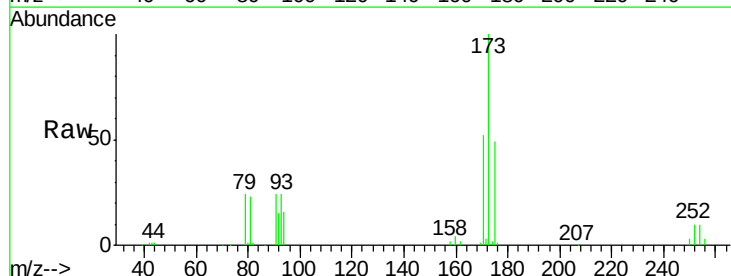
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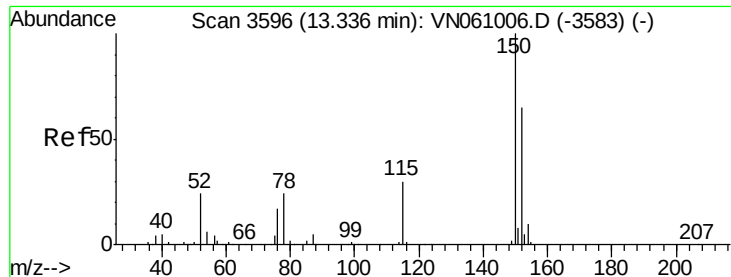
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4/20/2020 10:07:23 AM



#71
Bromoform
Concen: 52.188 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	67663		
175	48.9	24.5	73.5	
254	0.0	0.0	0.0	





#72

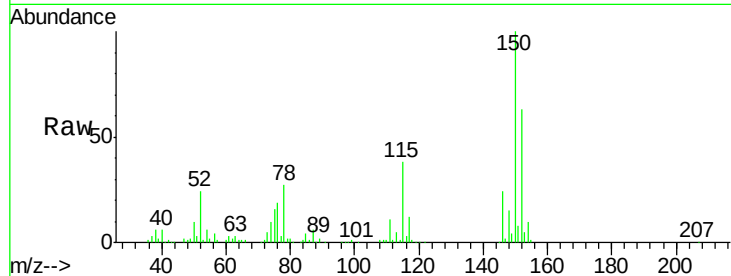
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

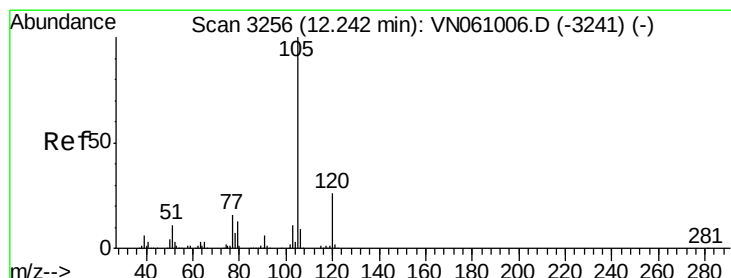
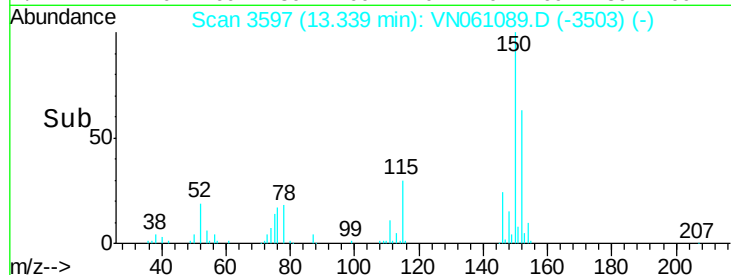
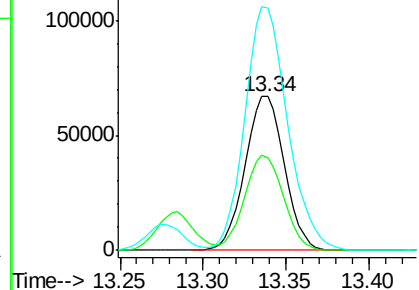
Tot Ion	Ratio	Resp	Lower	Upper
152	100	110524		
115	61.3	30.8	92.4	
150	172.1	0.0	349.0	

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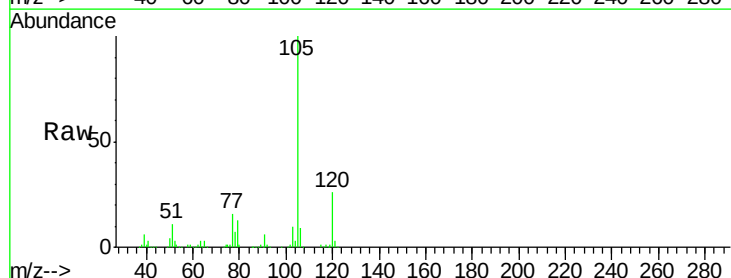
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



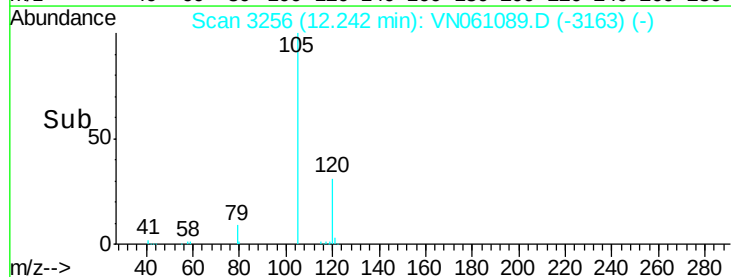
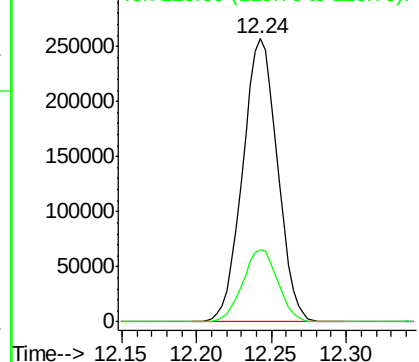
#73

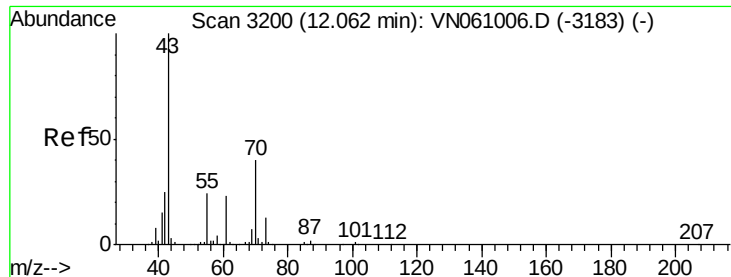
Isopropylbenzene
Concen: 46.957 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	415783		
120	25.8	13.0	38.9	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





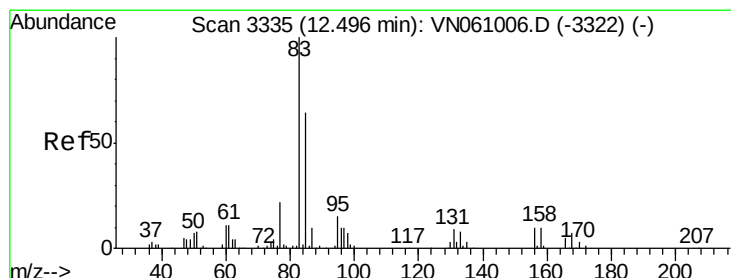
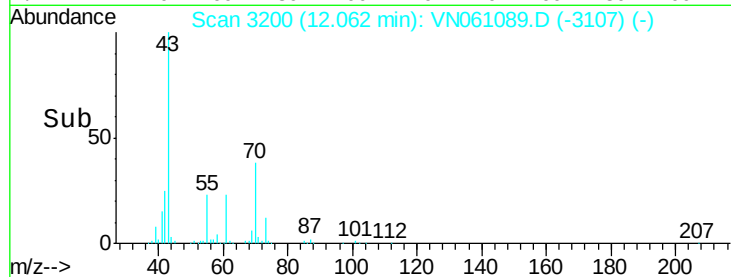
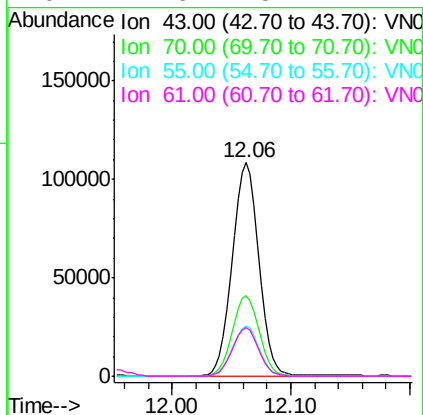
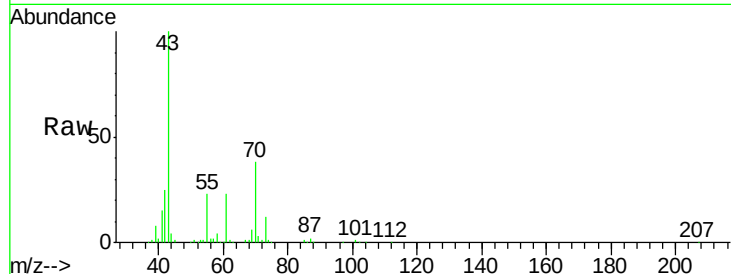
#74
N-amyl acetate
Concen: 40.939 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		168574		
70	38.2	31.0	46.6		
55	23.6	18.6	27.8		
61	22.6	18.2	27.4		

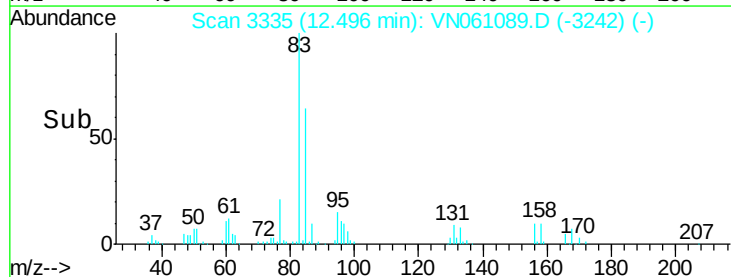
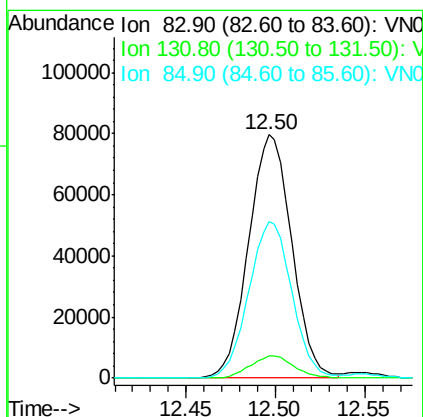
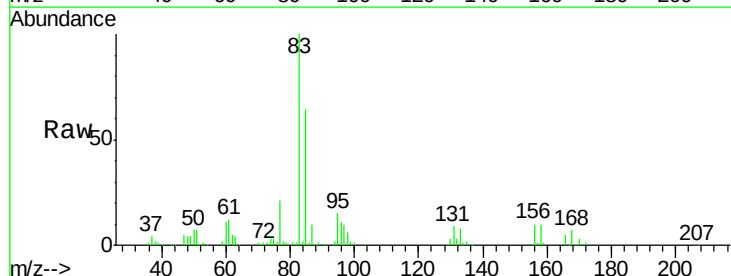
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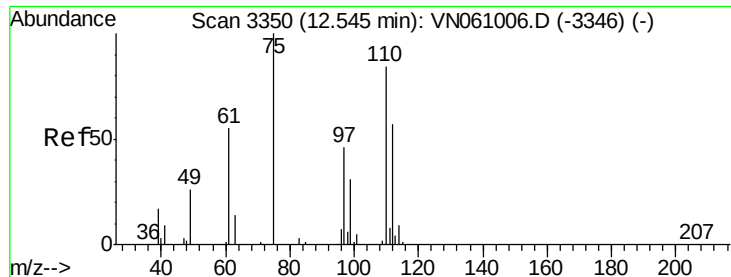
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#75
1,1,2,2-Tetrachloroethane
Concen: 49.801 ug/l
RT: 12.50 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		134610		
131	9.4	4.8	14.3		
85	64.3	32.3	96.8		





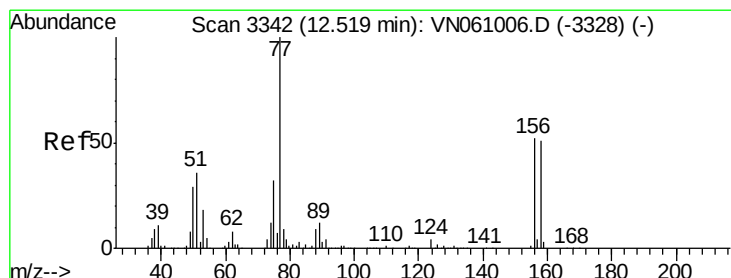
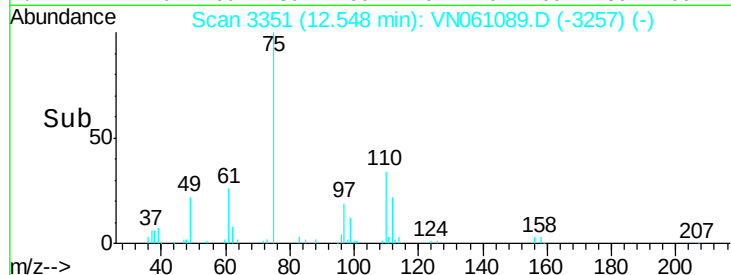
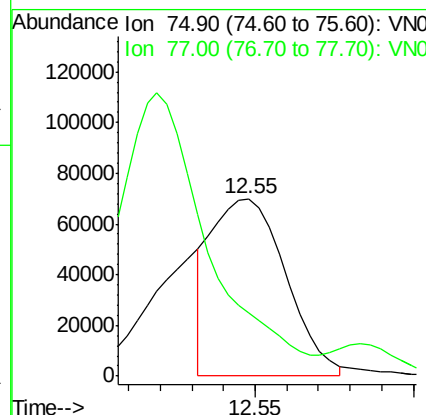
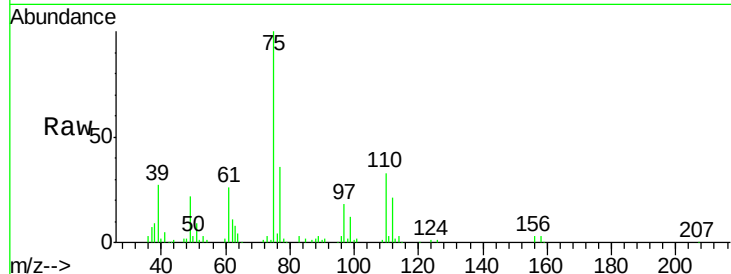
#76
 1,2,3-Trichloropropane
 Concen: 46.837 ug/l m
 RT: 12.55 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion: 75 Resp: 113865
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

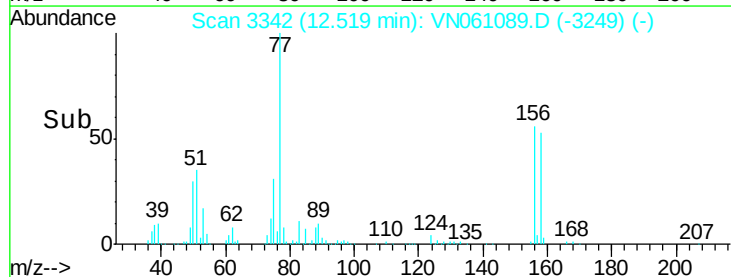
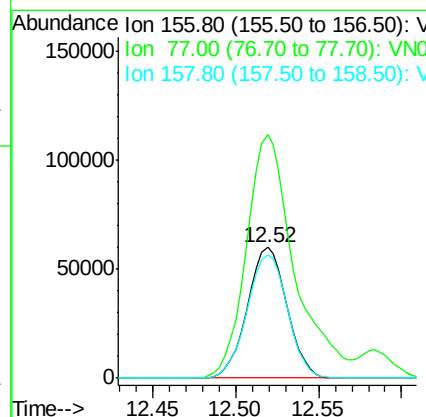
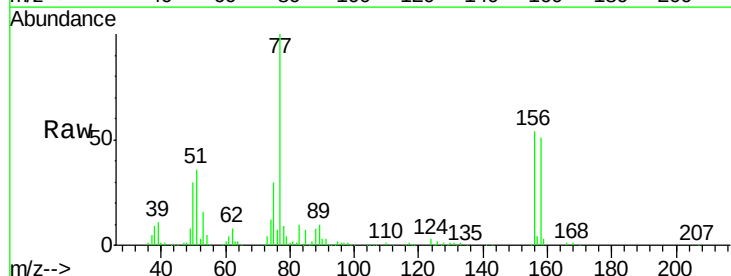
Manual Integrations
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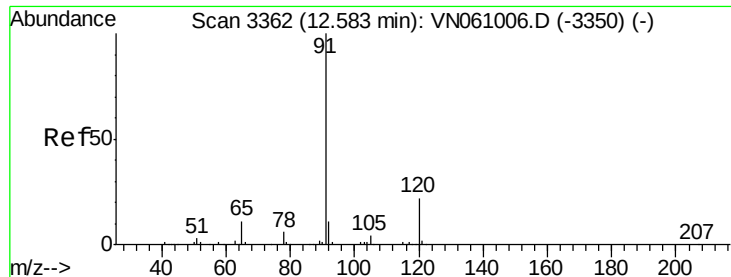
MMDadoda
 4/20/2020 10:07:23 AM



#77
 Bromobenzene
 Concen: 48.270 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion: 156 Resp: 99794
 Ion Ratio Lower Upper
 156 100
 77 226.3 115.6 346.8
 158 96.7 48.9 146.6





#78

n-propylbenzene

Concen: 47.445 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion: 91 Resp: 491512

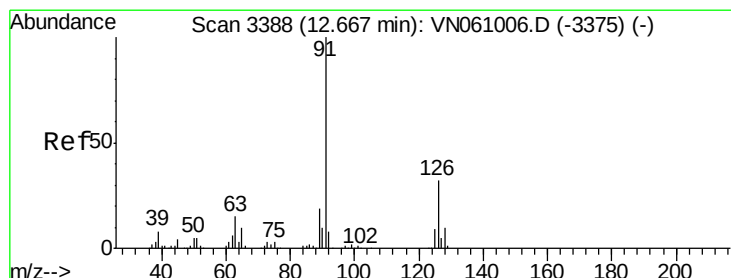
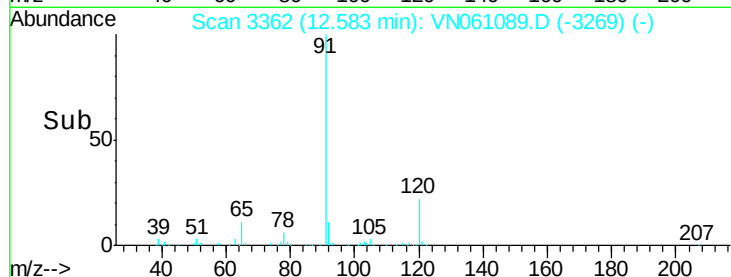
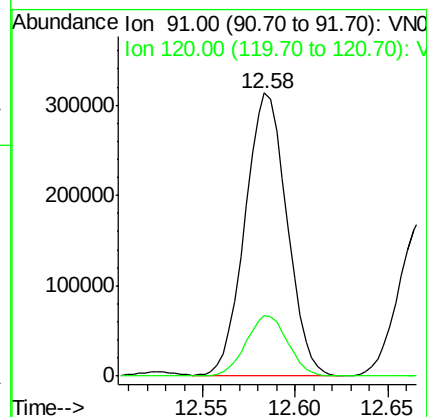
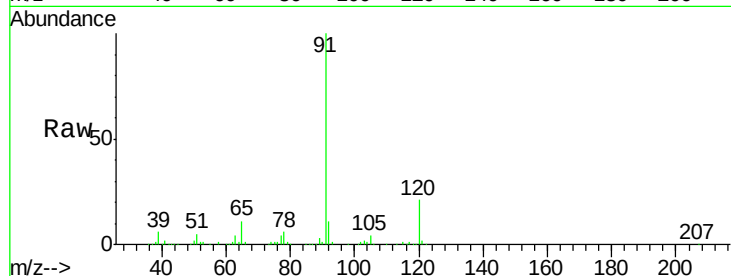
Ion Ratio Lower Upper

91 100

120 21.5 10.9 32.7

Manual Integrations
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#79

2-Chlorotoluene

Concen: 47.536 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061089.D

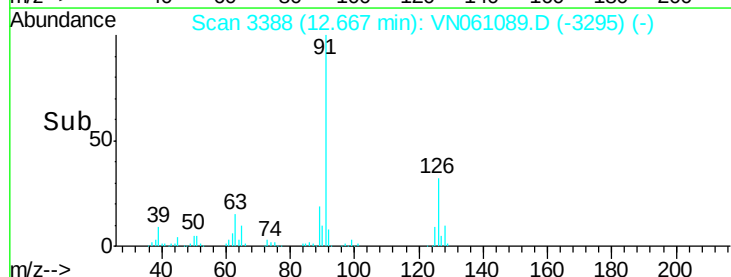
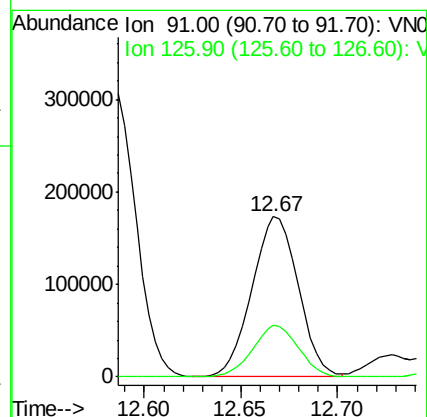
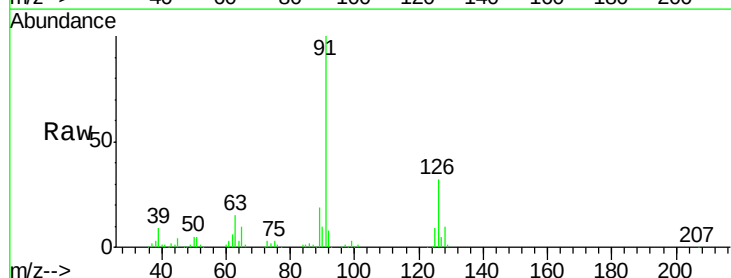
Acq: 18 Apr 2020 6:31

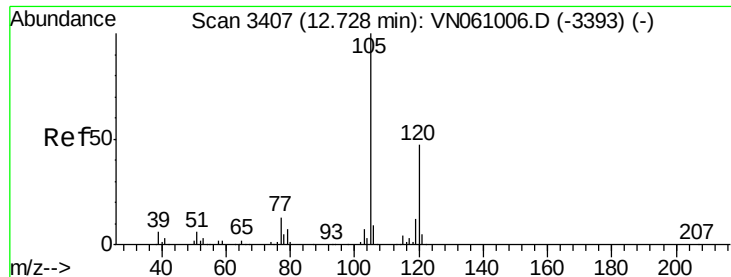
Tgt Ion: 91 Resp: 288830

Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.2





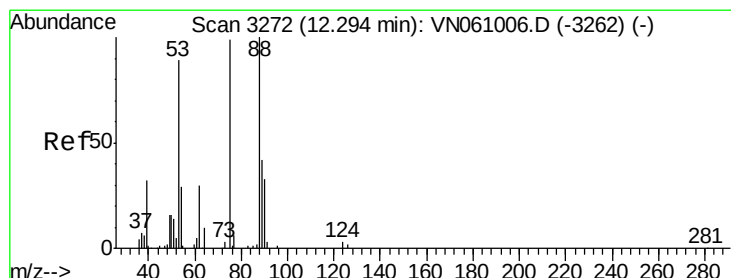
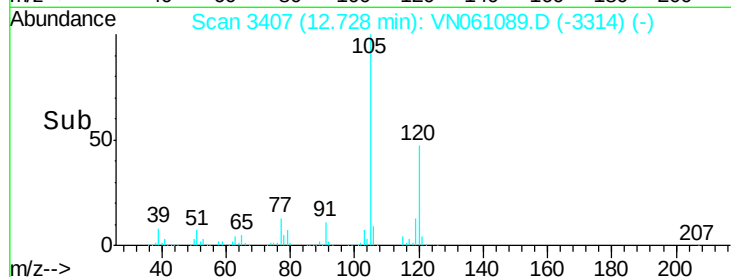
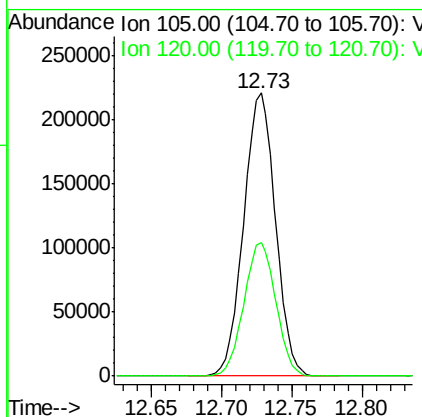
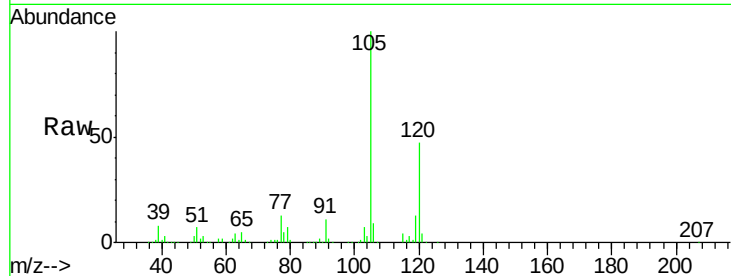
#80
 1,3,5-Trimethylbenzene
 Concen: 47.689 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8

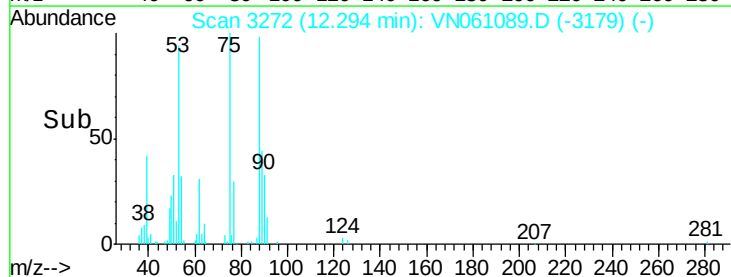
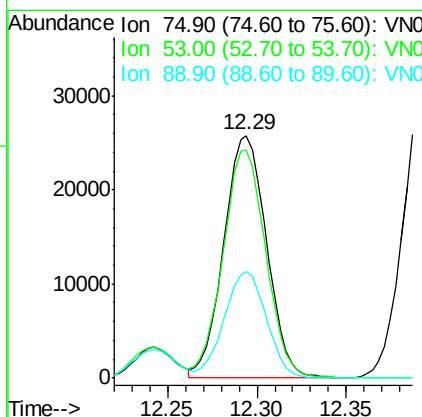
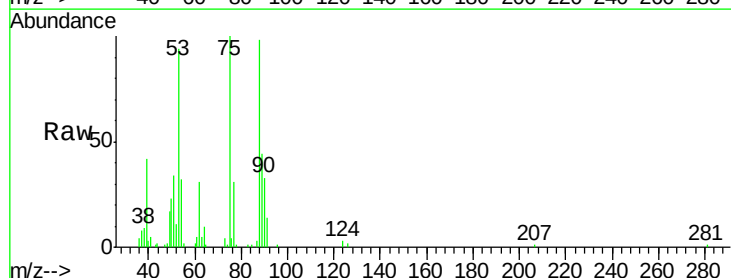
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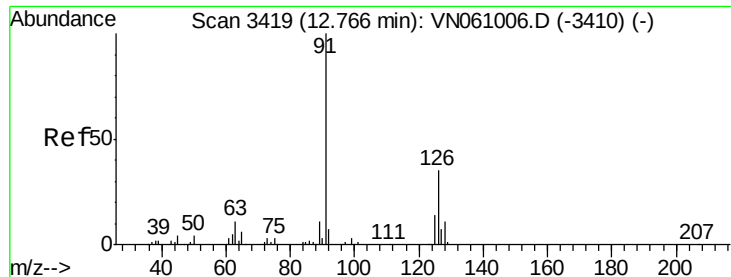
MMDadoda
 4/20/2020 10:07:23 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.472 ug/l
 RT: 12.29 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.2	74.7	112.1
89	43.3	34.6	52.0





#82

4-Chlorotoluene

Concen: 47.889 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion: 91 Resp: 301777

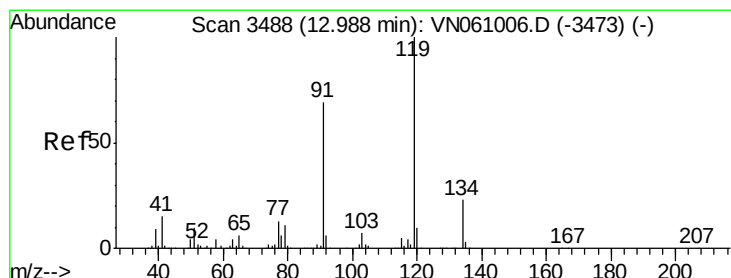
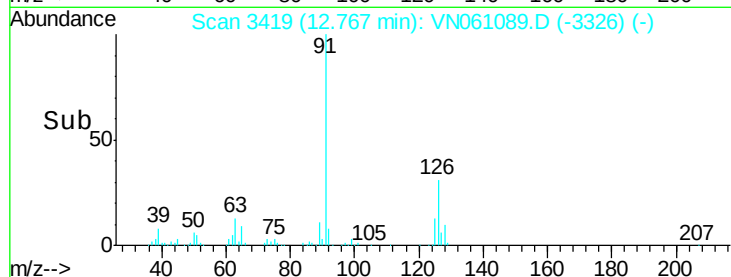
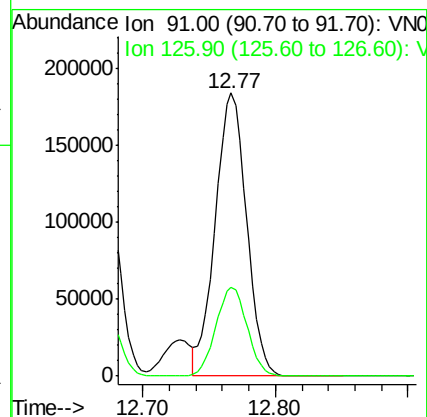
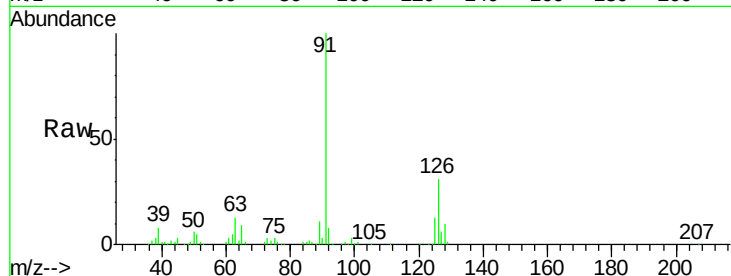
Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.6

Manual Integrations
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#83

tert-Butylbenzene

Concen: 47.574 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

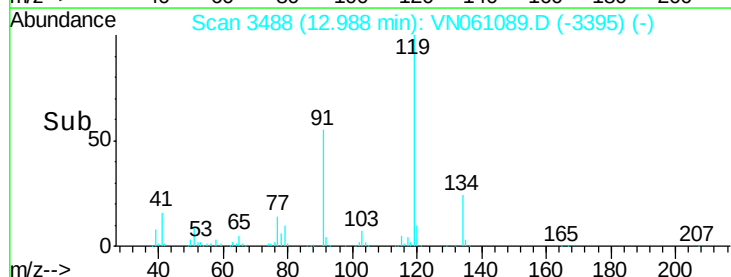
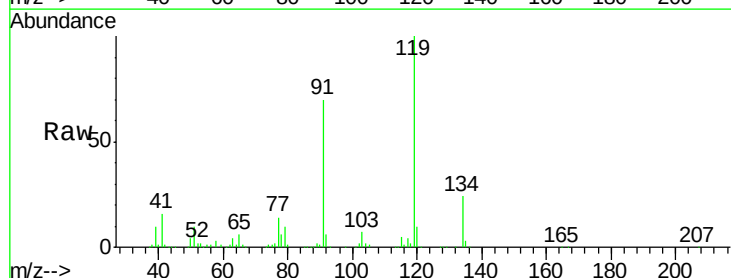
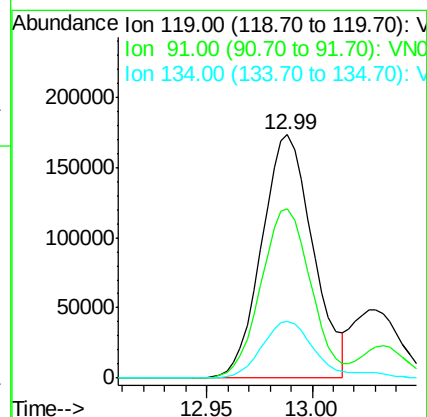
Tgt Ion: 119 Resp: 292825

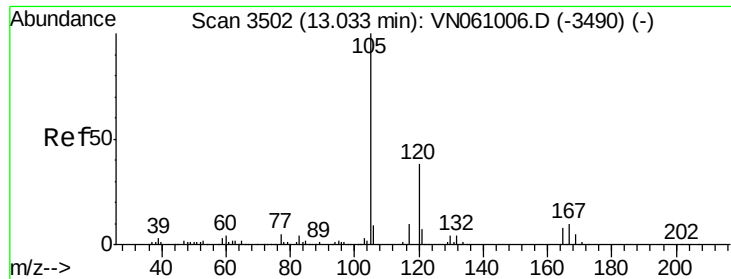
Ion Ratio Lower Upper

119 100

91 68.2 34.1 102.3

134 25.0 12.4 37.2





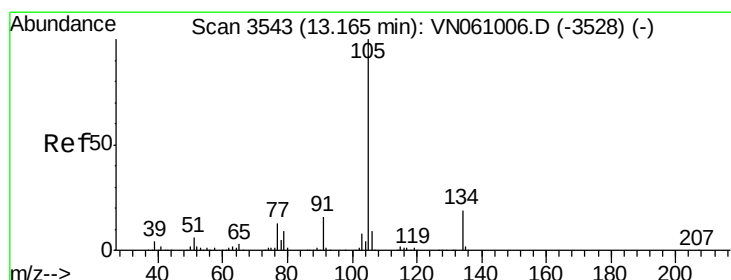
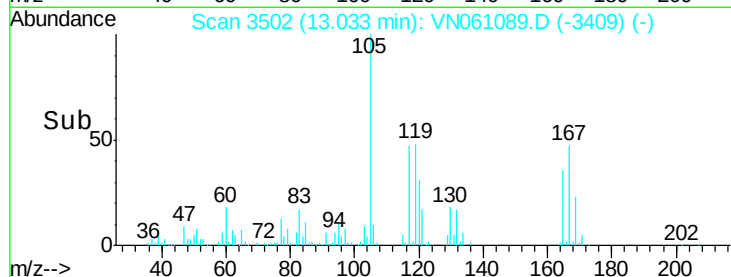
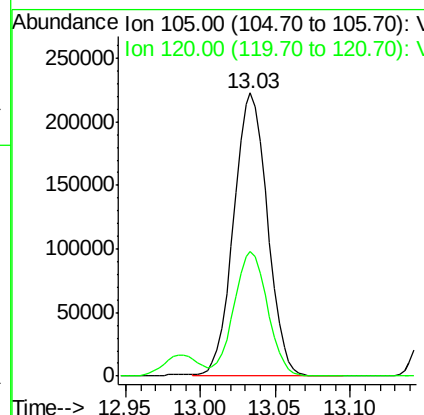
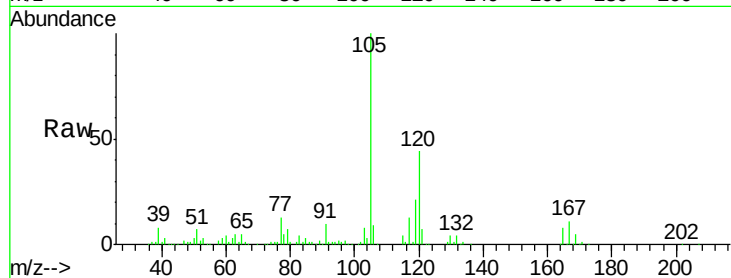
#84
 1,2,4-Trimethylbenzene
 Concen: 48.335 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5

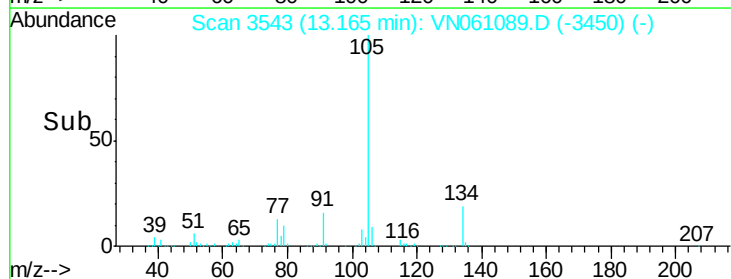
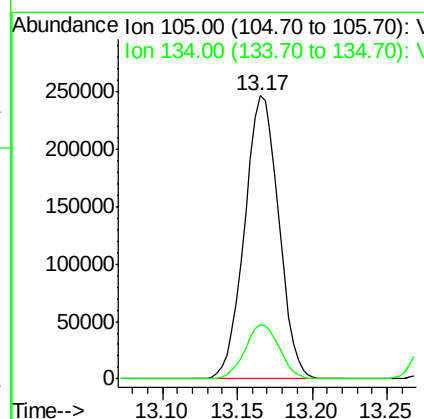
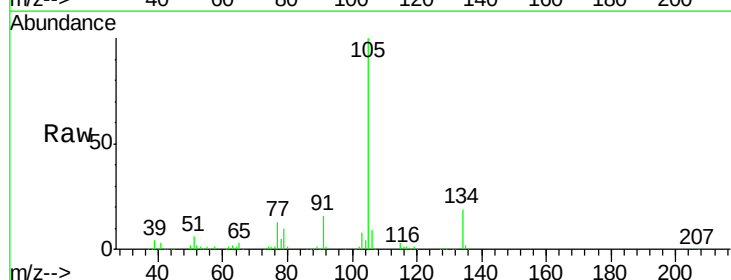
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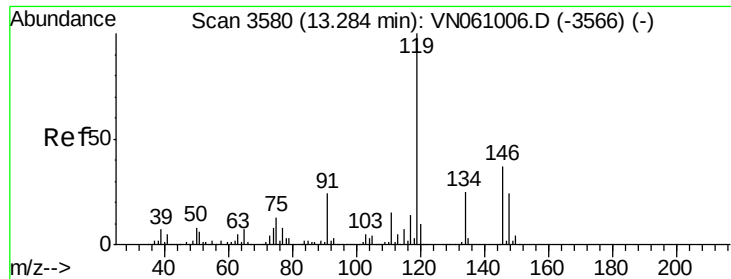
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#85
 sec-Butylbenzene
 Concen: 47.115 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.5	28.5





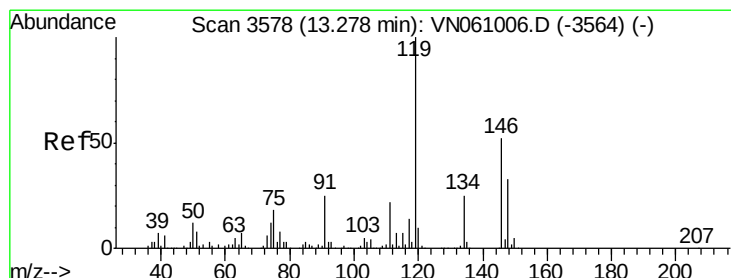
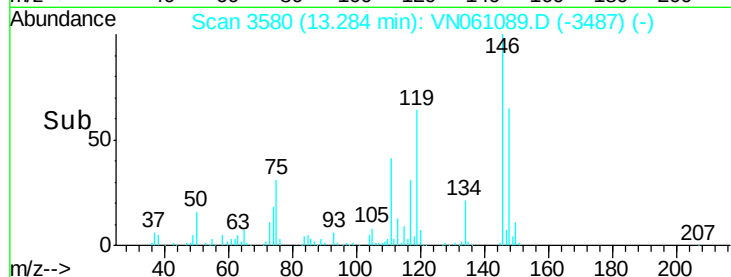
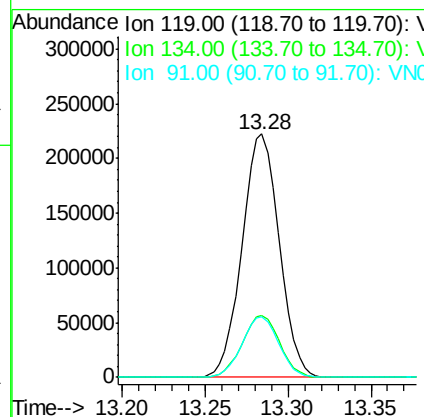
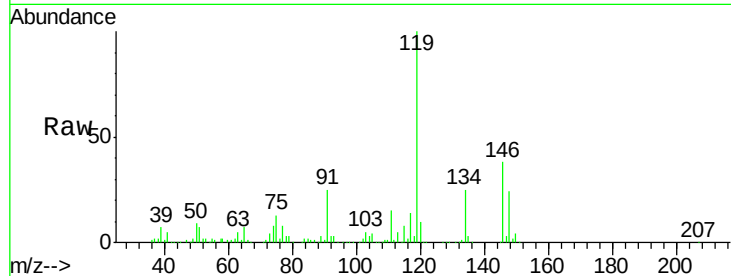
#86
 p-Isopropyltoluene
 Concen: 46.556 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	345741		
134	25.6	12.8	38.4	
91	24.8	12.3	36.8	

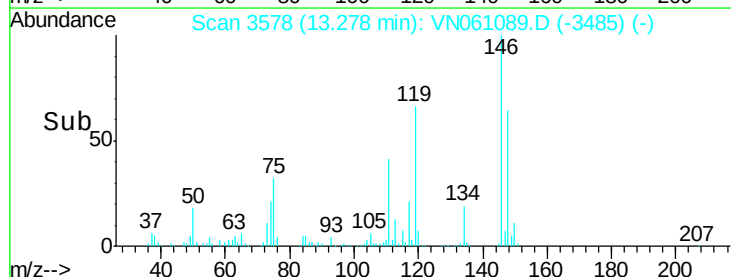
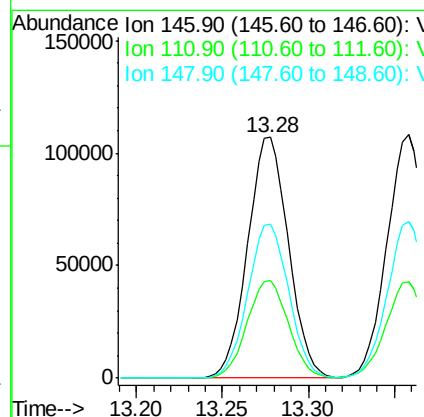
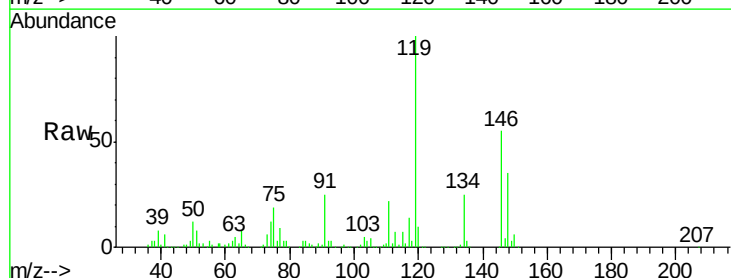
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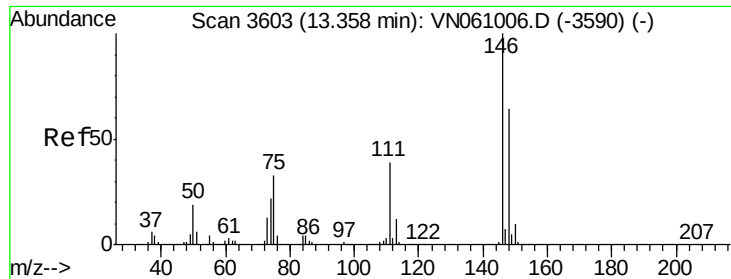
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#87
 1,3-Dichlorobenzene
 Concen: 47.736 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	175879		
111	40.9	20.6	61.8	
148	64.2	31.8	95.3	





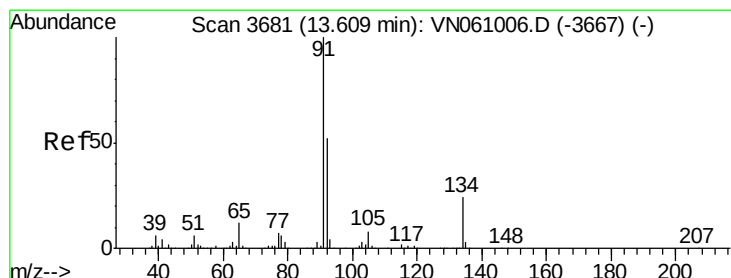
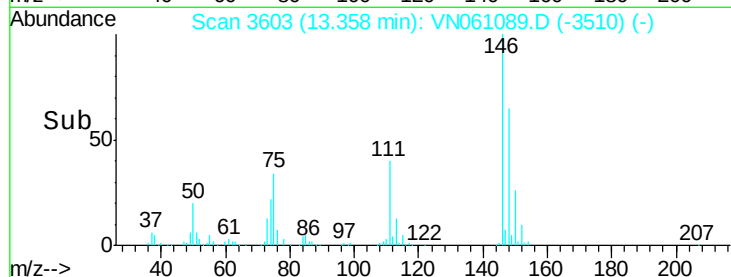
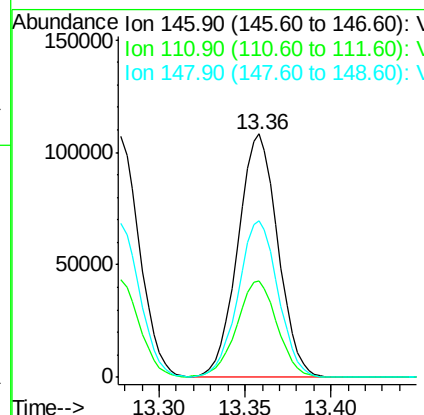
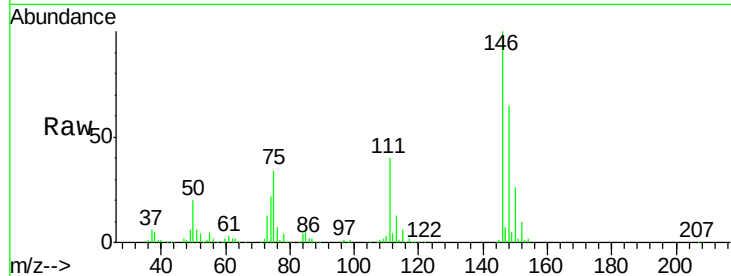
#88
 1,4-Dichlorobenzene
 Concen: 47.291 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.3
148	64.1	32.1	96.3

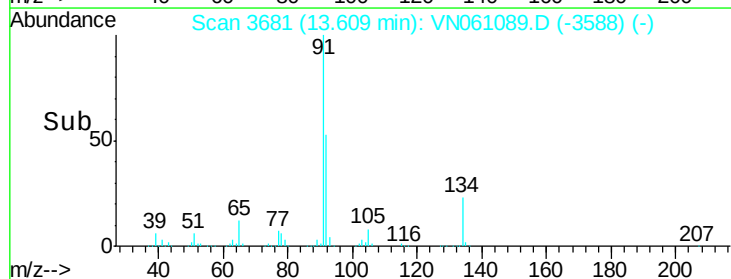
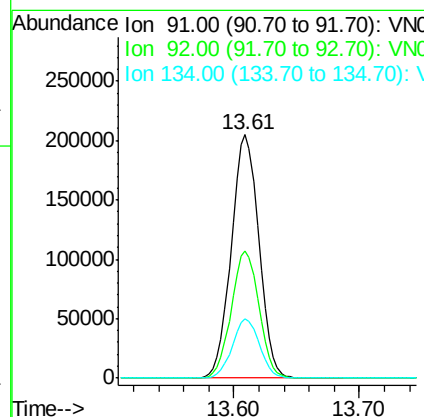
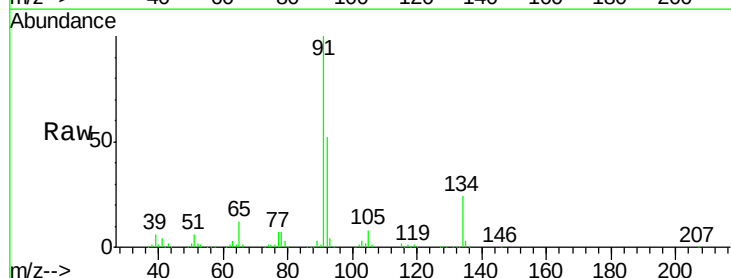
Manual Integrations
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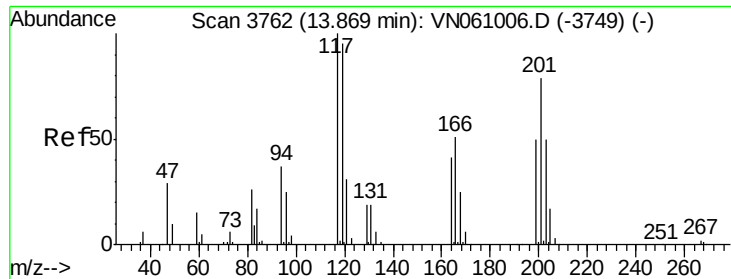
MMDadoda
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#89
 n-Butylbenzene
 Concen: 45.278 ug/l
 RT: 13.61 min Scan# 3681
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	23.9	12.3	36.8





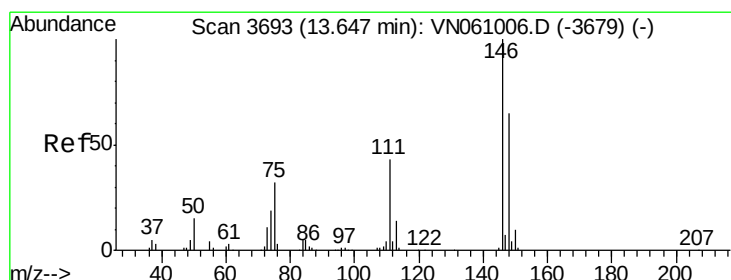
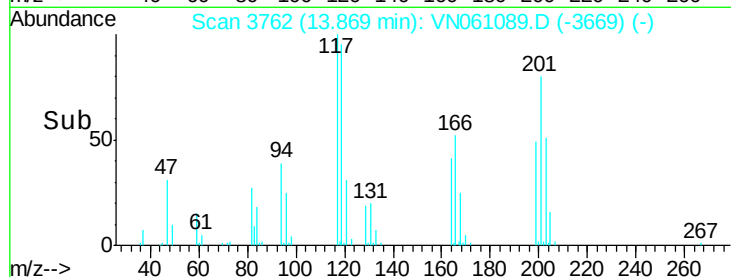
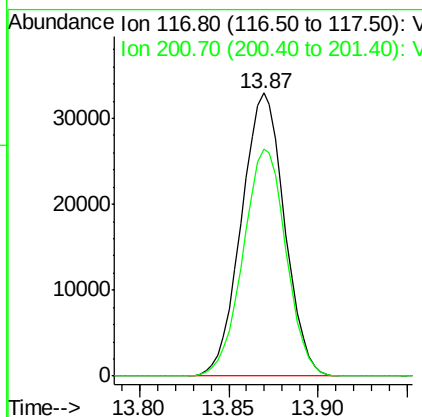
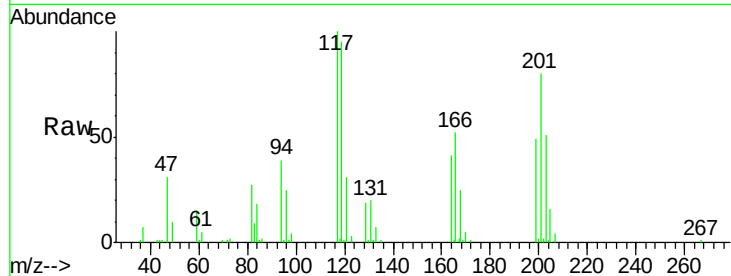
#90
Hexachloroethane
Concen: 48.736 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

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

Tot Ion:117 Resp: 55529
Ion Ratio Lower Upper
117 100
201 80.0 39.3 117.9

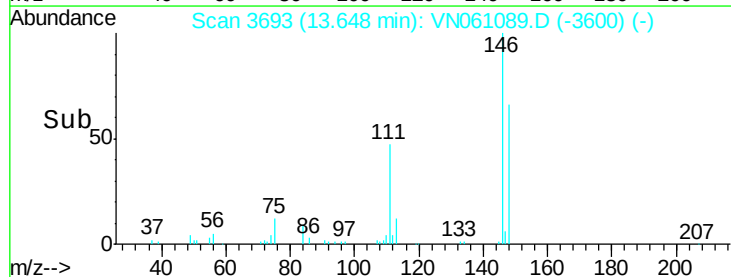
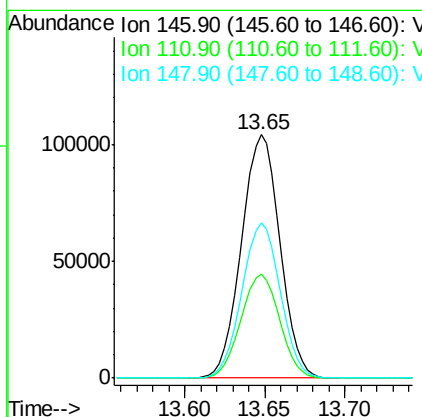
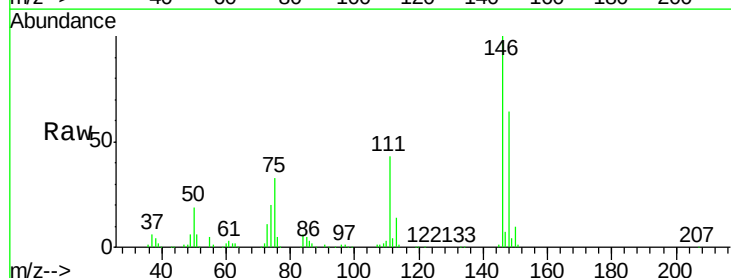
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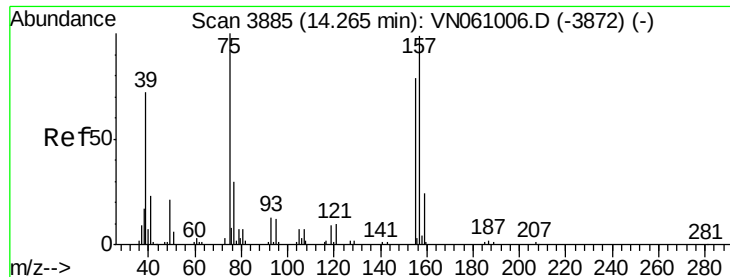
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#91
1,2-Dichlorobenzene
Concen: 48.674 ug/l
RT: 13.65 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion:146 Resp: 171160
Ion Ratio Lower Upper
146 100
111 43.0 21.3 64.0
148 63.7 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.583 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

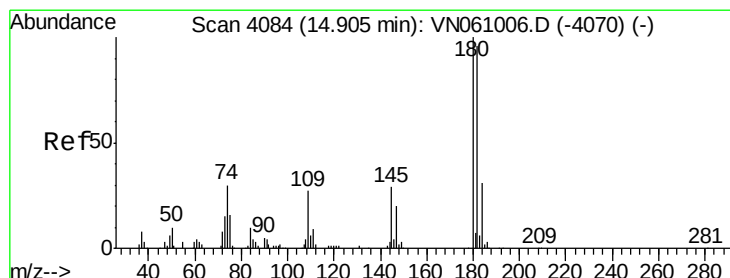
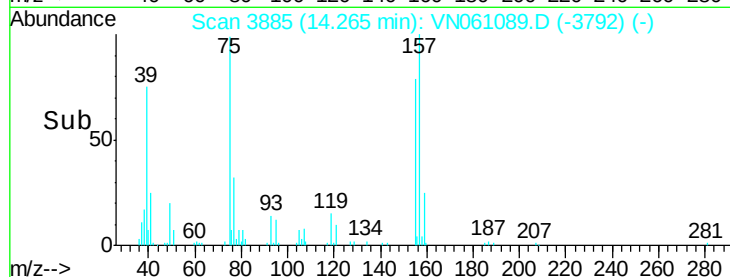
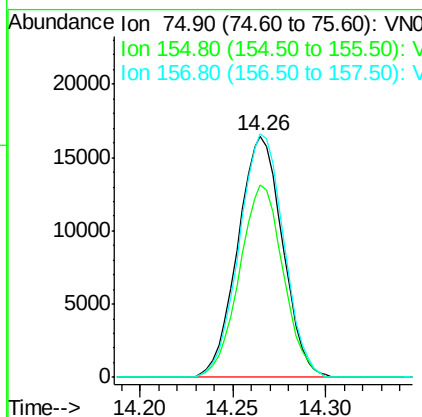
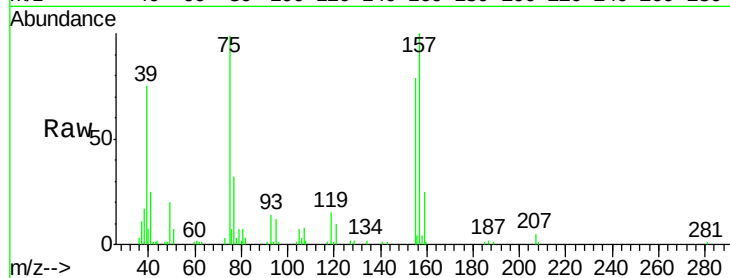
ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion:	75	Resp:	27507
Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.5	118.5
157	100.7	50.1	150.4

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 48.802 ug/l

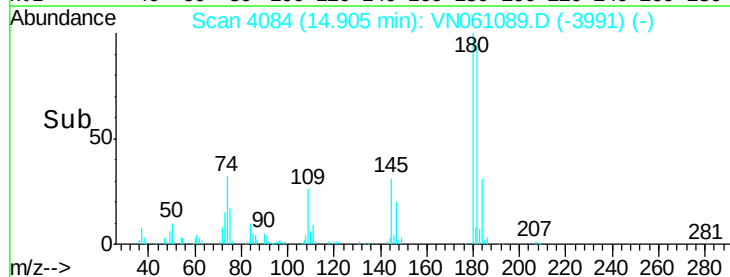
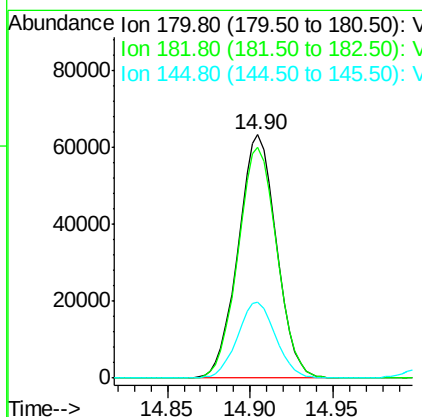
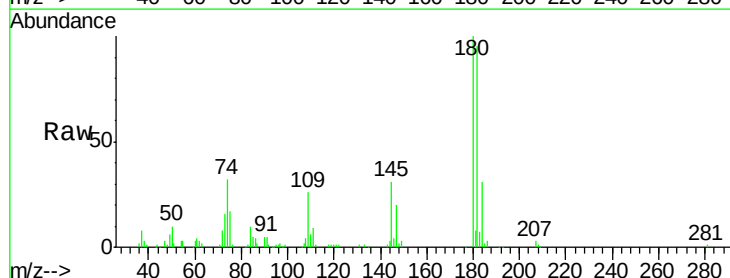
RT: 14.90 min Scan# 4084

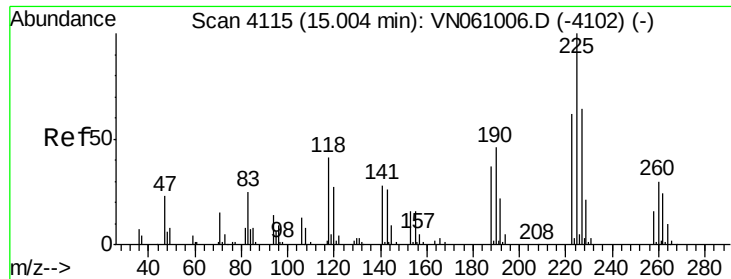
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion:	180	Resp:	101573
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.3
145	31.3	15.3	45.8





#94

Hexachlorobutadiene

Concen: 43.055 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

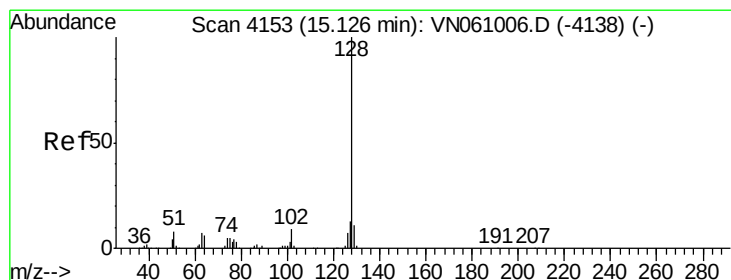
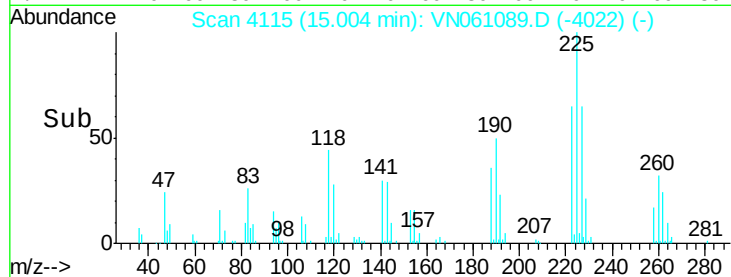
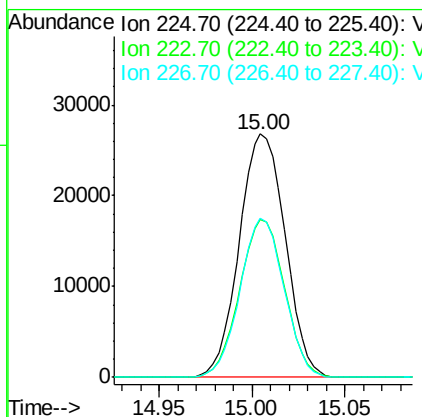
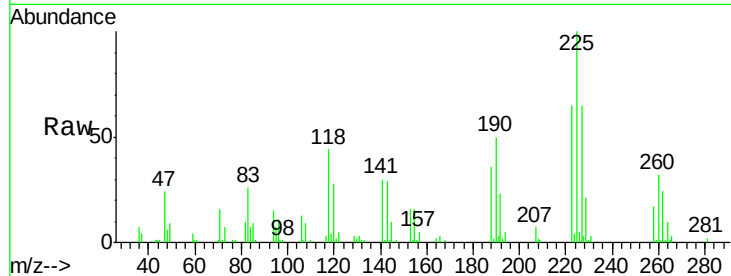
ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion:	225	Resp:	46099
Ion Ratio		Lower	Upper
225	100		
223	63.5	31.3	93.8
227	62.6	31.9	95.5

Manual Integrations
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#95

Naphthalene

Concen: 52.292 ug/l

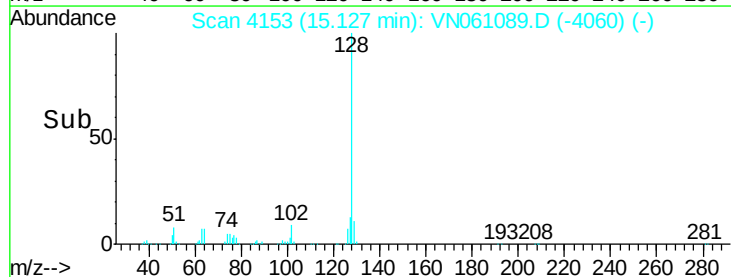
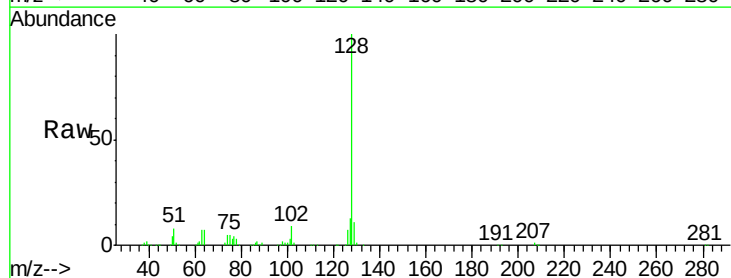
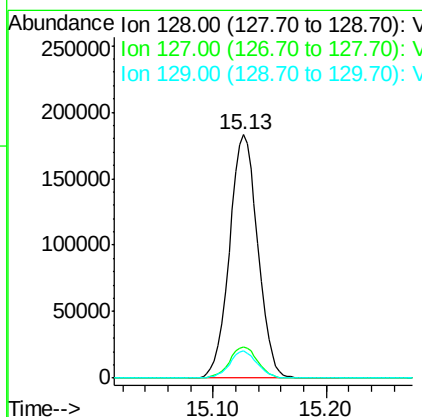
RT: 15.13 min Scan# 4153

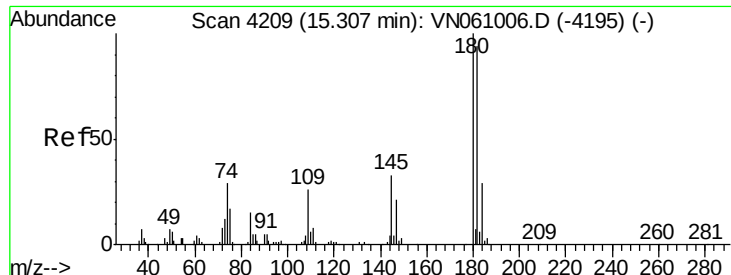
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion:	128	Resp:	317409
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.6	13.0





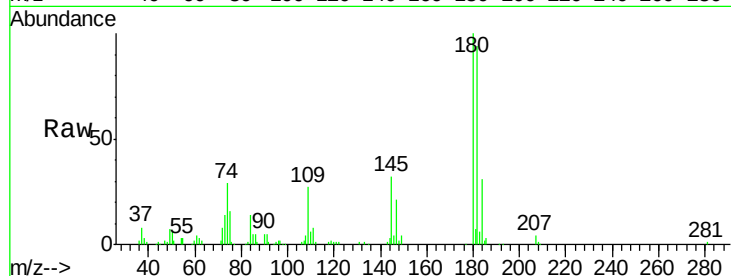
#96
 1,2,3-Trichlorobenzene
 Concen: 50.732 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

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

Tot Ion:	180	Resp:	101758
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.6	142.8
145	32.3	16.4	49.2

Manual Integrations
 APPROVED

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

