

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063124.D
 Acq On : 25 Aug 2020 20:16
 Operator : JC/MD
 Sample : L3783-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 11:27:19 AM

Quant Time: Aug 26 07:20:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	204992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	329521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	305210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152115	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	129189	53.17	ug/l	0.00
Spiked Amount						
			Recovery	=	106.34%	
35) Dibromofluoromethane	7.55	113	98753	45.99	ug/l	0.00
Spiked Amount						
			Recovery	=	91.98%	
50) Toluene-d8	10.06	98	413926	50.19	ug/l	0.00
Spiked Amount						
			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.38	95	152624	52.44	ug/l	0.00
Spiked Amount						
			Recovery	=	104.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	105768	39.551	ug/l	99
3) Chloromethane	2.03	50	143070	50.902	ug/l	100
4) Vinyl Chloride	2.16	62	137127	50.448	ug/l	98
5) Bromomethane	2.54	94	56176	34.819	ug/l	99
6) Chloroethane	2.67	64	82963	51.695	ug/l	99
7) Trichlorofluoromethane	2.99	101	137811	40.655	ug/l	98
8) Diethyl Ether	3.38	74	62092	51.778	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	72039	39.439	ug/l	100
10) Methyl Iodide	3.91	142	86625	37.415	ug/l	99
11) Tert butyl alcohol	4.74	59	84431	245.344	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	87002	50.000	ug/l	97
13) Acrolein	3.57	56	3072	28.495	ug/l	88
14) Allyl chloride	4.28	41	126142	41.115	ug/l	96
15) Acrylonitrile	4.93	53	265676	262.662	ug/l	99
16) Acetone	3.78	43	225277	298.102	ug/l	99
17) Carbon Disulfide	4.01	76	192610	42.267	ug/l	97
18) Methyl Acetate	4.28	43	257516	106.658	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	341527	56.280	ug/l	99
20) Methylene Chloride	4.51	84	107661	50.269	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	89118	48.939	ug/l	97
22) Diisopropyl ether	5.91	45	379414	54.497	ug/l	97
23) Vinyl Acetate	5.85	43	1070080	227.767	ug/l	100
24) 1,1-Dichloroethane	5.80	63	197287	50.710	ug/l	99
25) 2-Butanone	6.79	43	331291	256.845	ug/l	99
26) 2,2-Dichloropropane	6.78	77	123513	40.368	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	115539	50.621	ug/l	97
28) Bromochloromethane	7.15	49	103386	50.788	ug/l	98
29) Tetrahydrofuran	7.17	42	216551	260.132	ug/l	99
30) Chloroform	7.33	83	195398	49.869	ug/l	98
31) Cyclohexane	7.62	56	148951	41.597	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	156174	48.822	ug/l	99
36) 1,1-Dichloropropene	7.75	75	129173	44.482	ug/l	99
37) Ethyl Acetate	6.88	43	116862	42.948	ug/l	99
38) Carbon Tetrachloride	7.74	117	113655	38.767	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	131518	34.060	ug/l	99
40) Benzene	8.00	78	423970	46.033	ug/l	100
41) Methacrylonitrile	7.13	41	64293	49.593	ug/l #	94
42) 1,2-Dichloroethane	8.09	62	144471	46.716	ug/l	99
43) Isopropyl Acetate	8.13	43	212993	47.249	ug/l	99
44) Trichloroethene	8.80	130	129532	56.540	ug/l	96
45) 1,2-Dichloropropane	9.09	63	125355	47.086	ug/l	98
46) Dibromomethane	9.18	93	72838	47.359	ug/l	98
47) Bromodichloromethane	9.37	83	156238	46.381	ug/l	99
48) Methyl methacrylate	9.17	41	112615	52.799	ug/l	95
49) 1,4-Dioxane	9.17	88	37551	803.118	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	715023	250.941	ug/l	100
52) Toluene	10.13	92	265059	47.707	ug/l	100
53) t-1,3-Dichloropropene	10.36	75	166359	47.756	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	179371	46.939	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	115199	48.492	ug/l	99
56) Ethyl methacrylate	10.40	69	174321	47.597	ug/l	100
57) 1,3-Dichloropropane	10.68	76	190573	48.309	ug/l	99
59) 2-Hexanone	10.72	43	511823	257.521	ug/l	100
60) Dibromochloromethane	10.88	129	118161	44.944	ug/l	99
61) 1,2-Dibromoethane	10.98	107	111104	48.673	ug/l	100
64) Tetrachloroethene	10.61	164	153266	76.393	ug/l	98
65) Chlorobenzene	11.41	112	292752	47.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	100034	41.957	ug/l	99
67) Ethyl Benzene	11.49	91	518332	50.044	ug/l	100
68) m/p-Xylenes	11.60	106	387890	100.763	ug/l	99
69) o-Xylene	11.92	106	189689	51.314	ug/l	99
70) Stvrene	11.94	104	315687	43.302	ug/l	99
71) Bromoform	12.10	173	71237	37.538	ug/l #	99
73) Isopropylbenzene	12.23	105	503640	48.349	ug/l	99
74) N-amyl acetate	12.05	43	203381	54.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	143247	42.358	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	136474m	46.156	ug/l	
77) Bromobenzene	12.50	156	138994	48.516	ug/l	99
78) n-propylbenzene	12.57	91	581948	49.013	ug/l	99
79) 2-Chlorotoluene	12.65	91	354793	47.507	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	428930	49.811	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	49317	45.809	ug/l	99
82) 4-Chlorotoluene	12.75	91	371574	48.862	ug/l	99
83) tert-Butylbenzene	12.97	119	361534	48.644	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	443357	52.850	ug/l	100
85) sec-Butylbenzene	13.15	105	466876	46.480	ug/l	99
86) p-Isopropyltoluene	13.26	119	430228	49.157	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	240070	48.759	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	242959	48.617	ug/l	99
89) n-Butylbenzene	13.59	91	370422	44.951	ug/l	99
90) Hexachloroethane	13.85	117	34097	18.329	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	232019	48.784	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	29285	55.822	ug/l	98
93) 1,2,4-Trichlorobenzene	14.89	180	136126	51.486	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	48863	27.803	ug/l	98
95) Naphthalene	15.10	128	408202	65.310	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	134377	51.838	ug/l	100

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

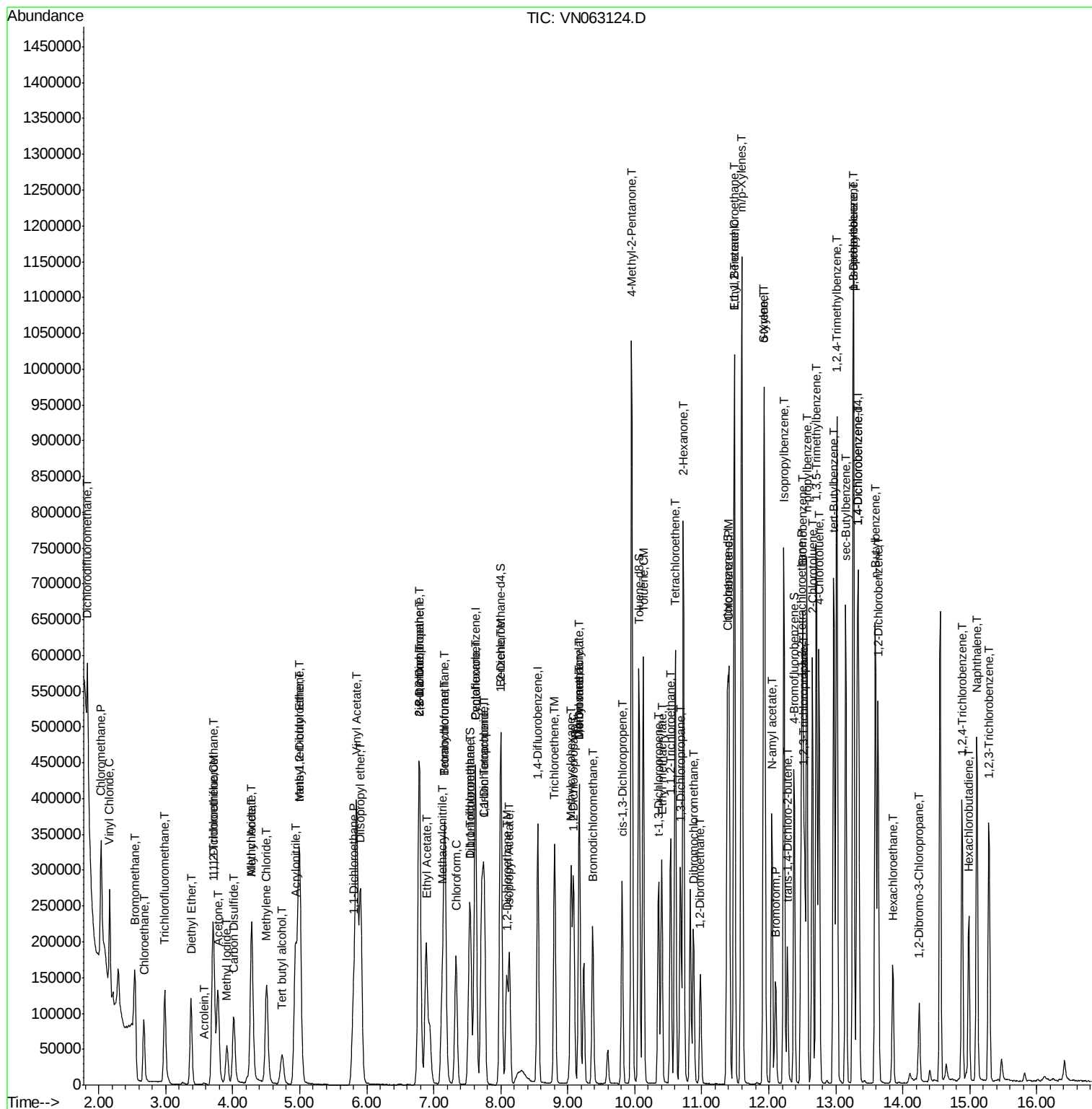
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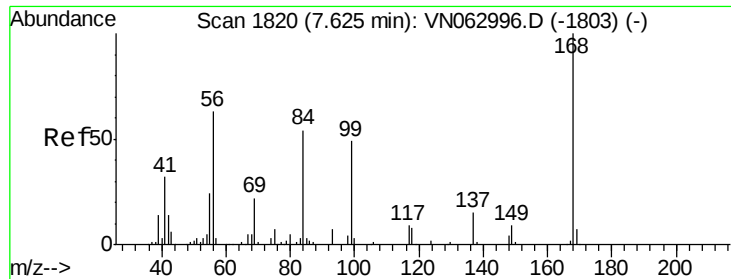
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

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Tot Ion:168 Resp: 204992

Ion Ratio Lower Upper

168 100

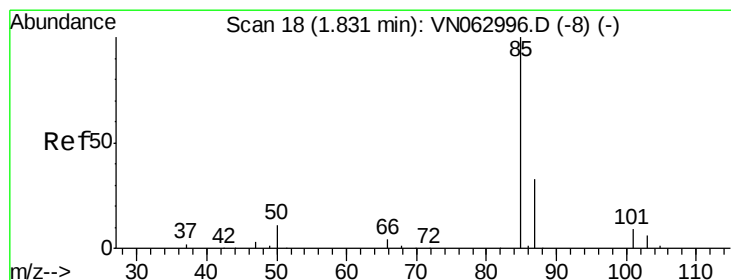
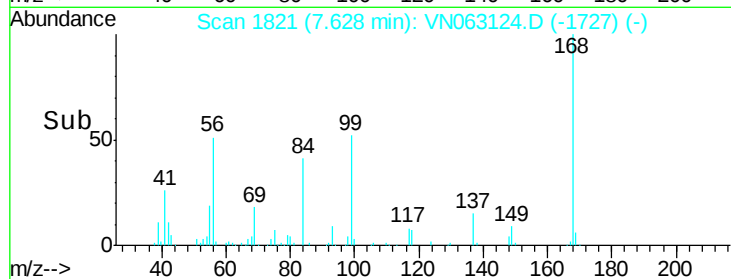
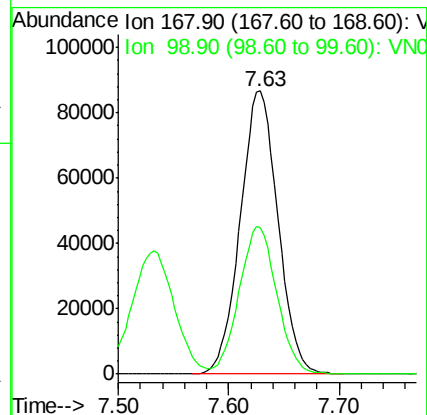
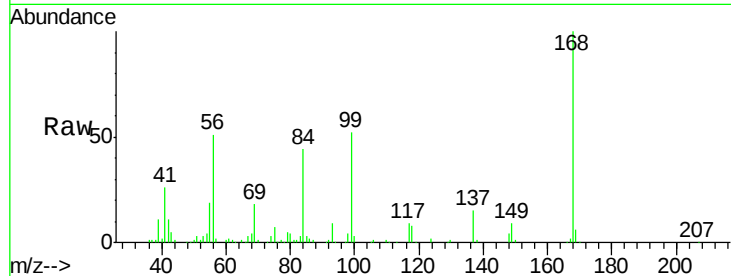
99 51.5 42.0 63.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 39.551 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063124.D

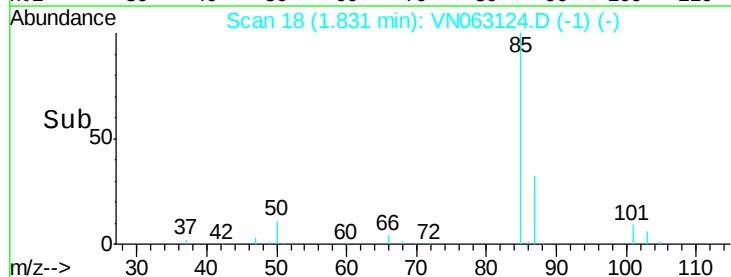
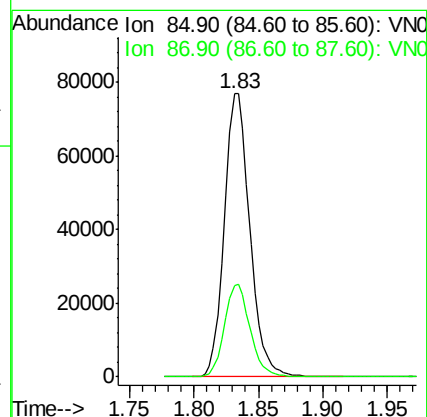
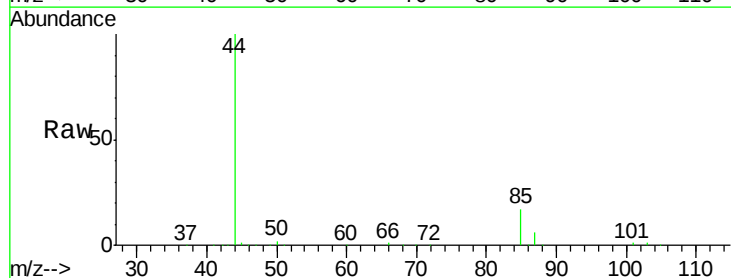
Acq: 25 Aug 2020 20:16

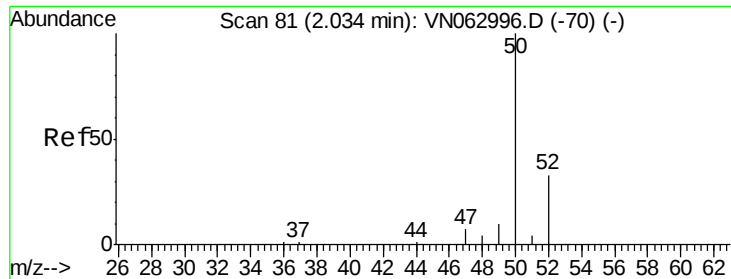
Tgt Ion: 85 Resp: 105768

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.4





#3

Chloromethane

Concen: 50.902 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN063124.D

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Instrument :

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Tot Ion: 50 Resp: 143070

Ion Ratio Lower Upper

50 100

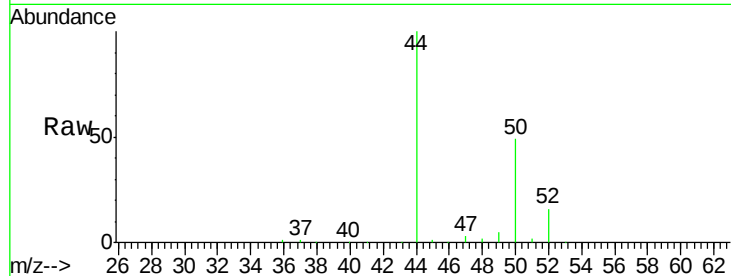
52 32.4 26.0 39.0

Manual Integrations

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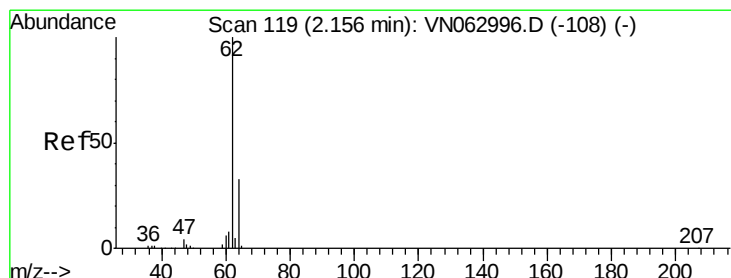
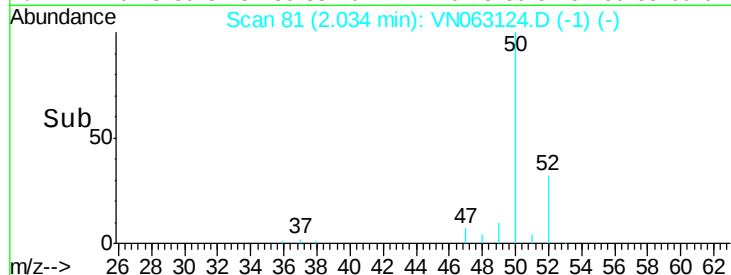
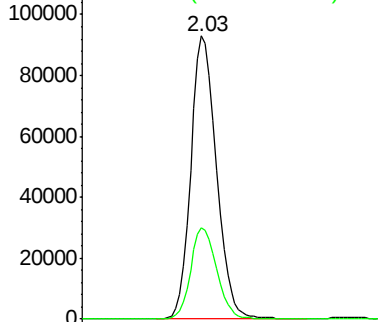
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 50.448 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN063124.D

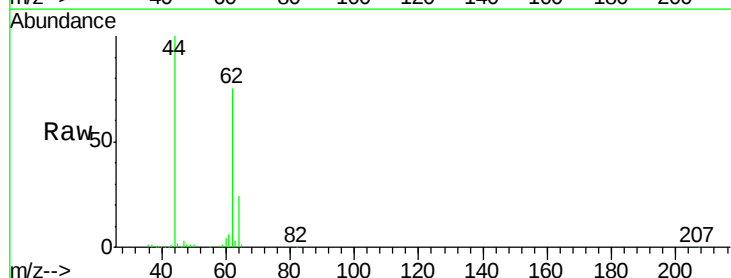
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Tgt Ion: 62 Resp: 137127

Ion Ratio Lower Upper

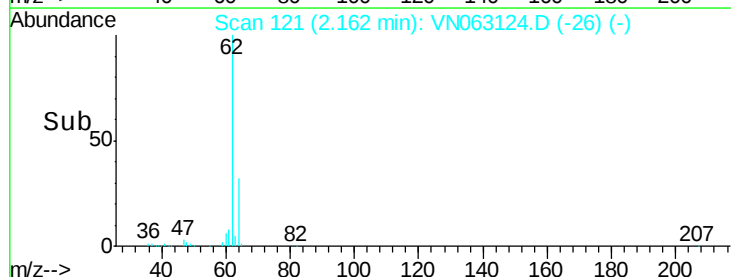
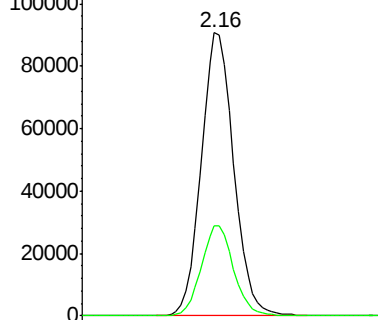
62 100

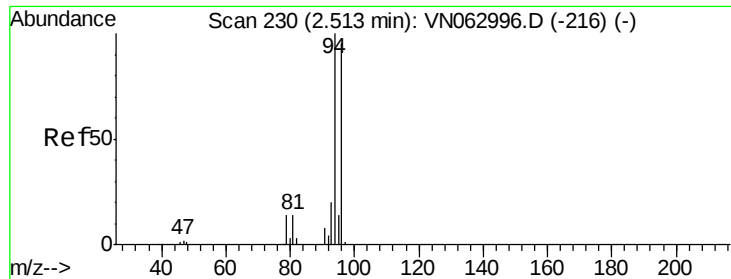
64 31.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 34.819 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.03 min

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Tot Ion: 94 Resp: 56176

Ion Ratio Lower Upper

94 100

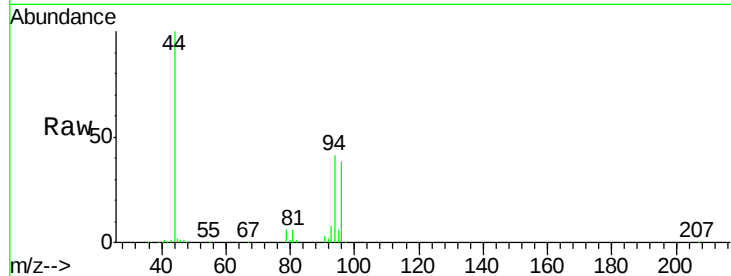
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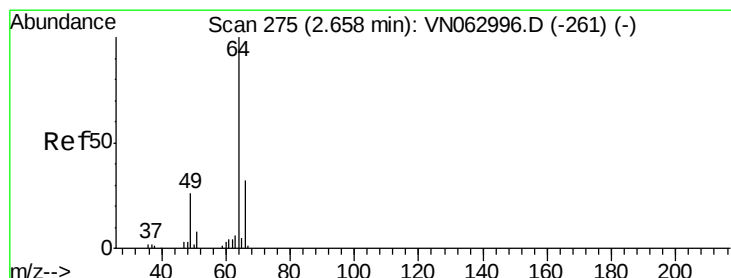
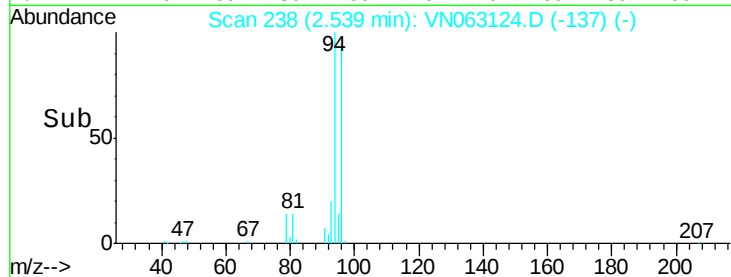
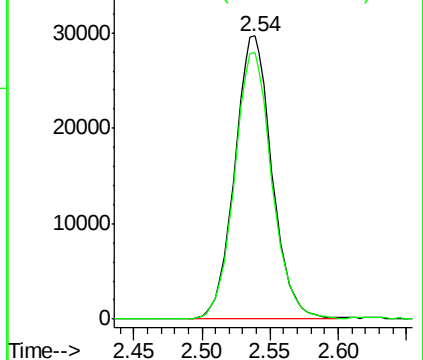
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.695 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.02 min

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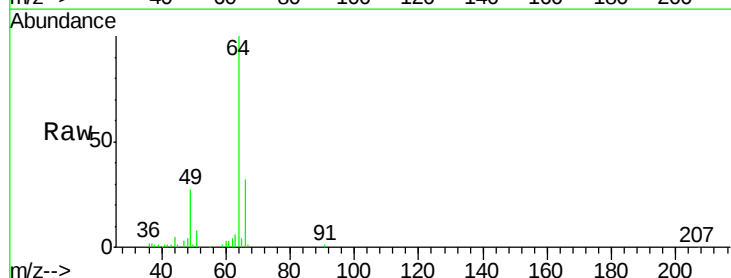
Acq: 25 Aug 2020 20:16

Tgt Ion: 64 Resp: 82963

Ion Ratio Lower Upper

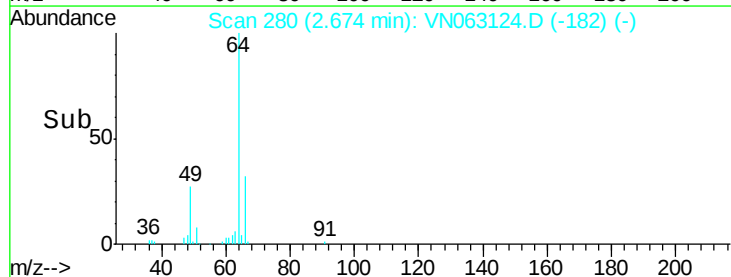
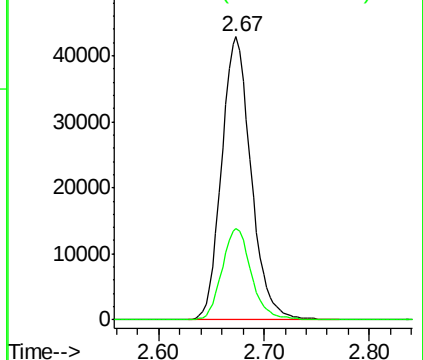
64 100

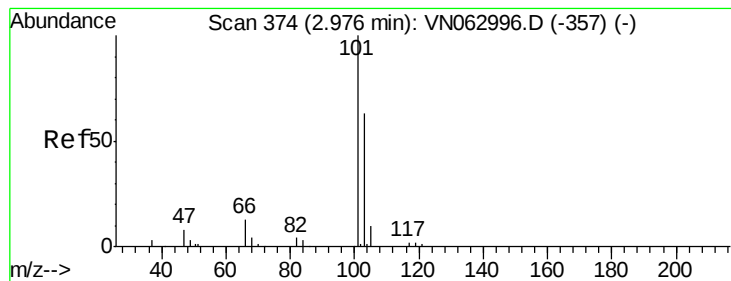
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





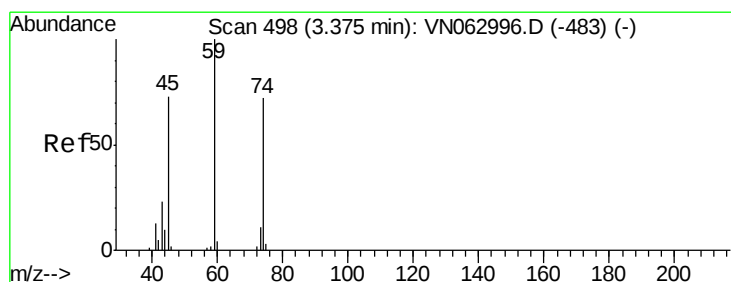
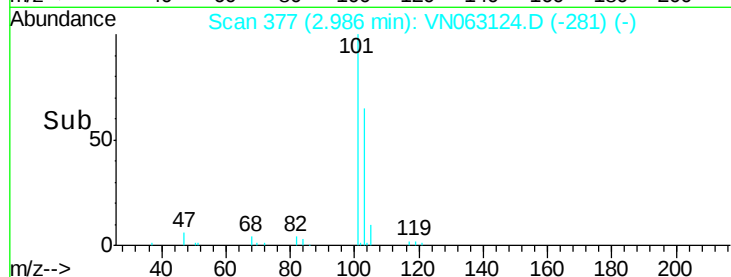
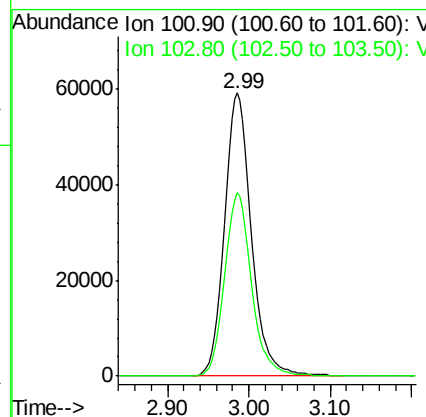
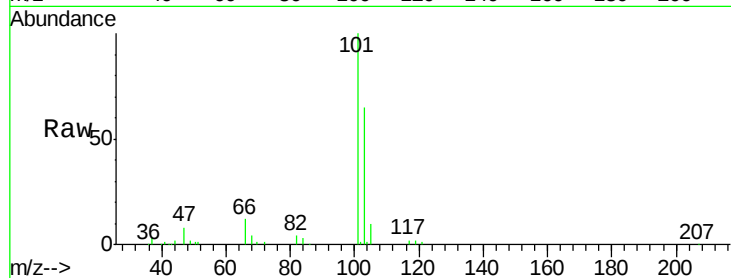
#7
 Trichlorofluoromethane
 Concen: 40.655 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VN063124.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	137811		
103	64.6	50.5	75.7	

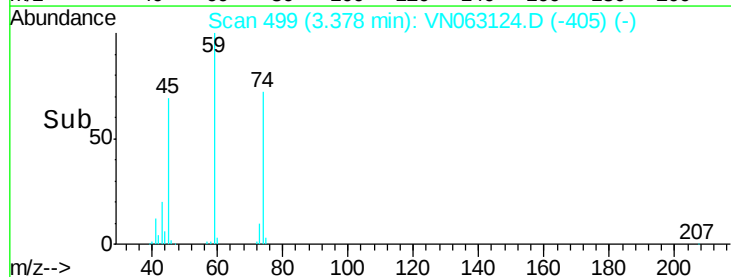
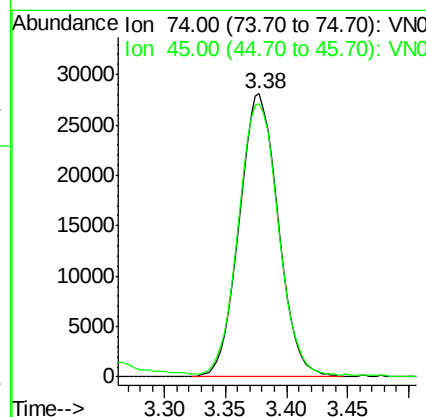
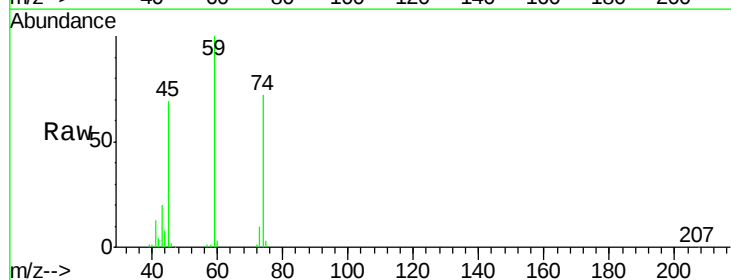
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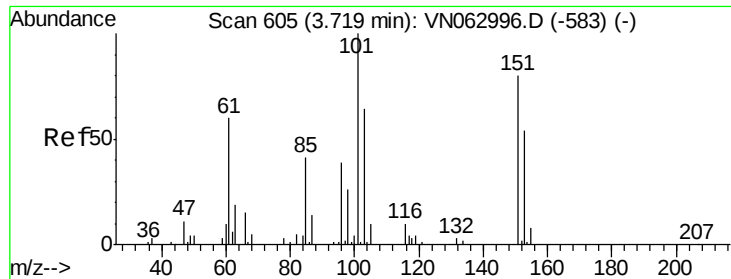
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#8
 Diethyl Ether
 Concen: 51.778 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62092		
45	98.5	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.439 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

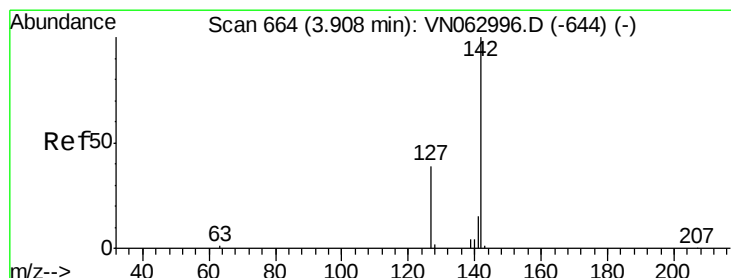
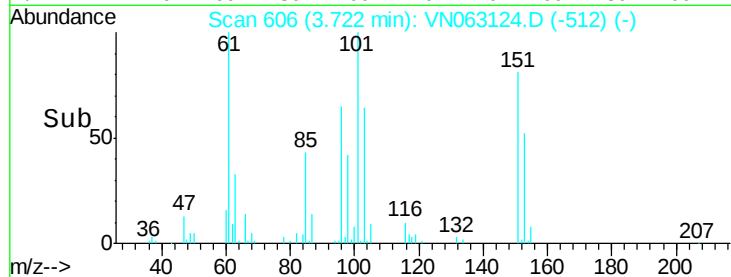
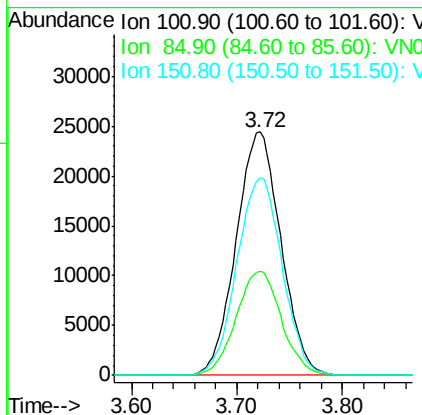
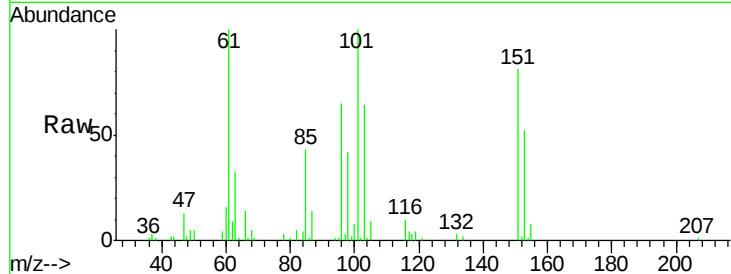
ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion:	101	Resp:	72039
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.0	51.0
151	82.2	65.8	98.8

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#10

Methyl Iodide

Concen: 37.415 ug/l

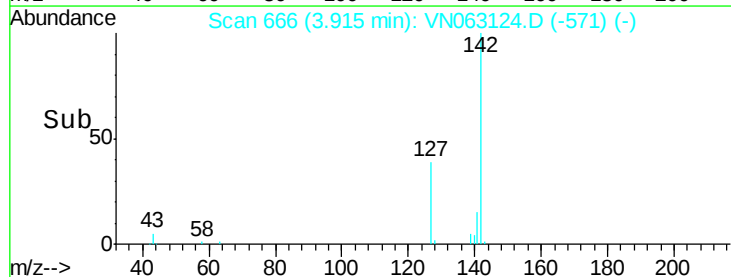
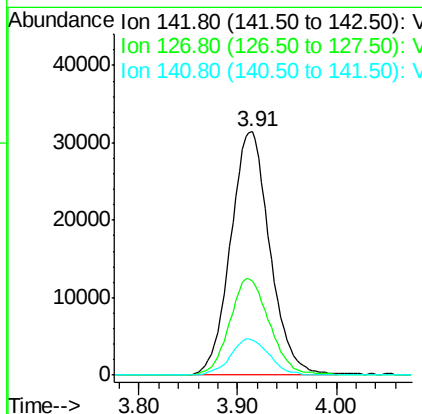
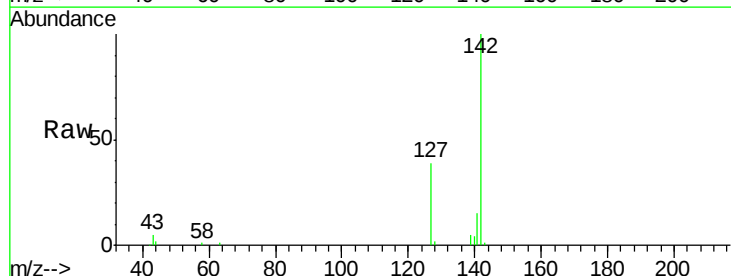
RT: 3.91 min Scan# 666

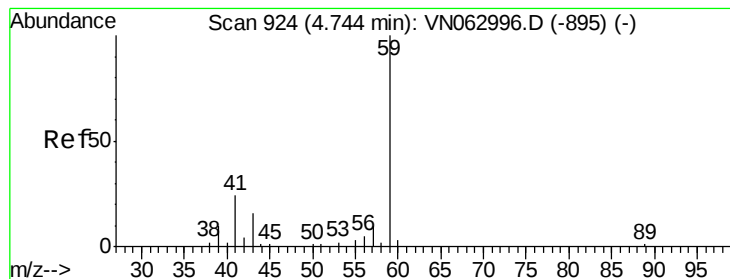
Delta R.T. 0.01 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Tgt Ion:	142	Resp:	86625
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.2	48.4
141	14.5	11.3	16.9





#11

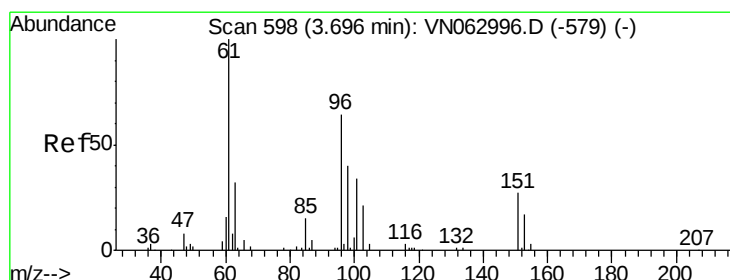
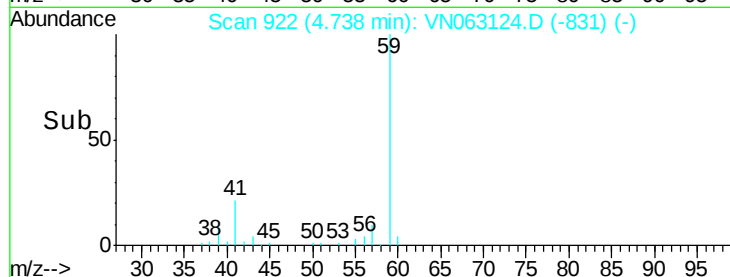
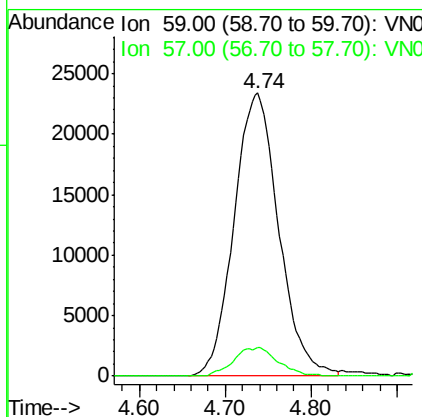
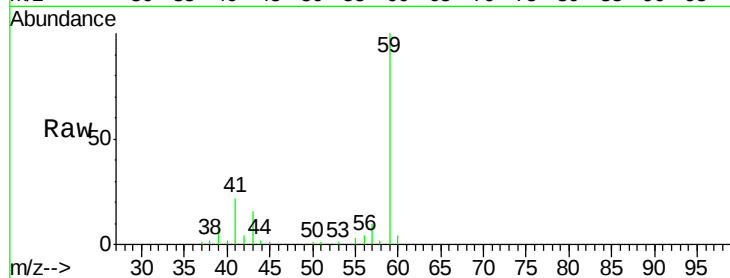
Tert butyl alcohol
 Concen: 245.344 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.5	7.8	11.6#

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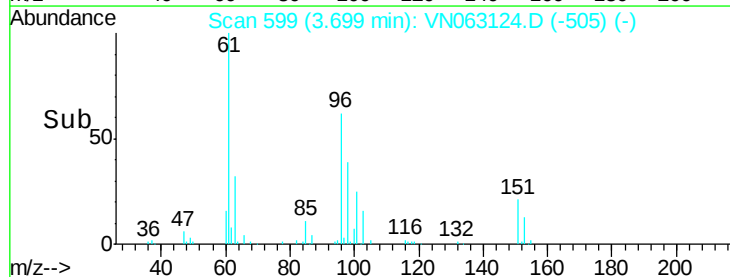
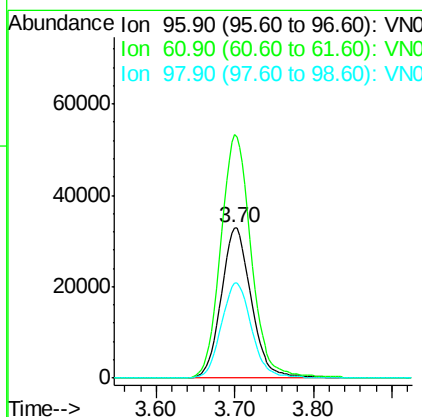
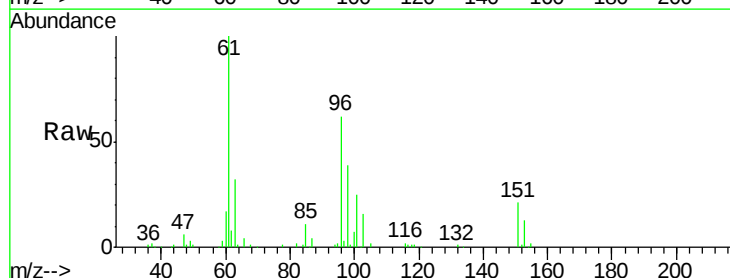
MMDadoda
 8/26/2020 11:27:19 AM

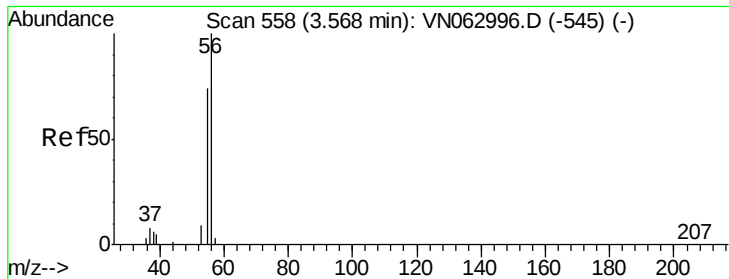


#12

1,1-Dichloroethene
 Concen: 50.000 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	125.5	188.3
98	62.7	50.4	75.6





#13

Acrolein

Concen: 28.495 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.01 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion: 56 Resp: 3072

Ion Ratio Lower Upper

56 100

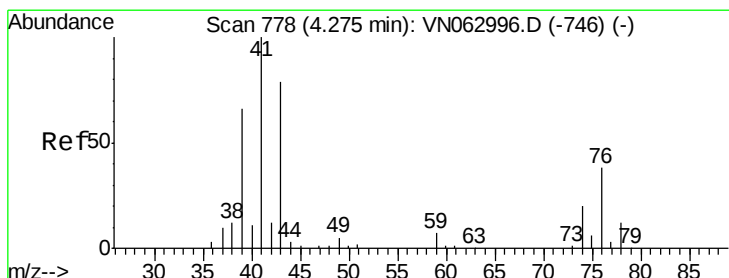
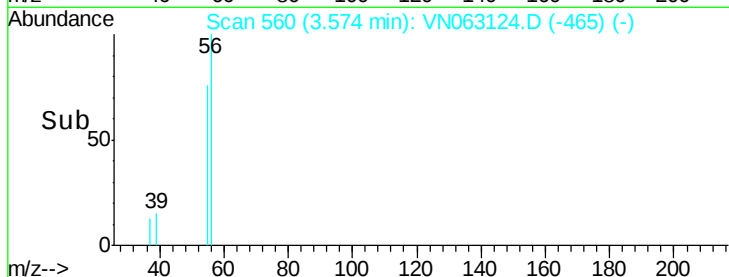
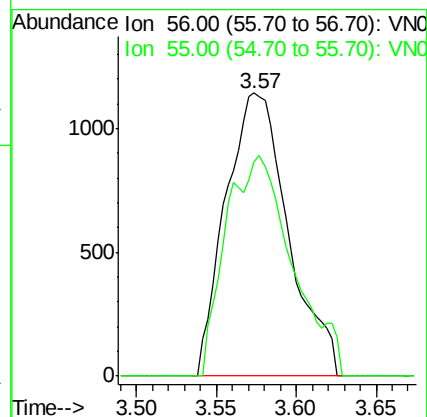
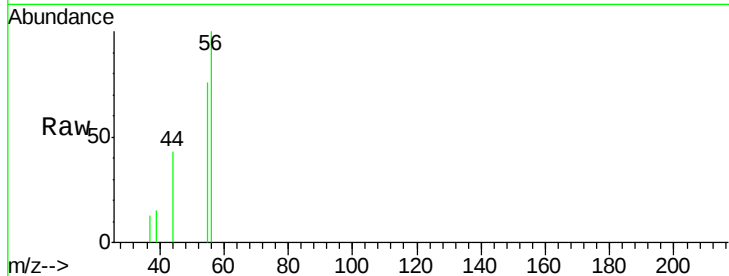
55 83.2 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 41.115 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

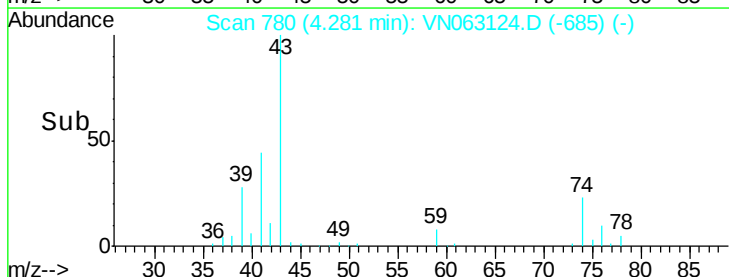
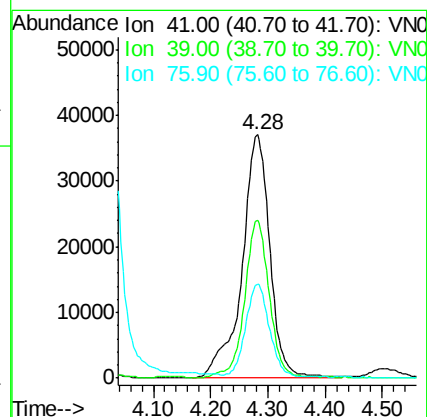
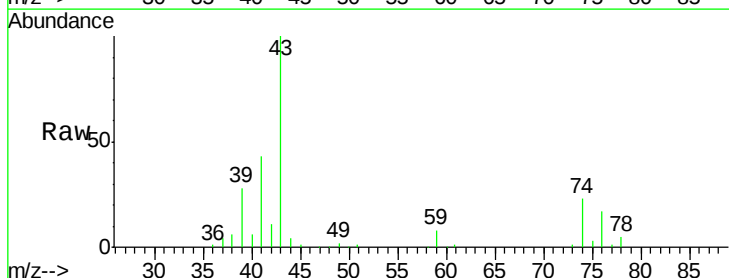
Tgt Ion: 41 Resp: 126142

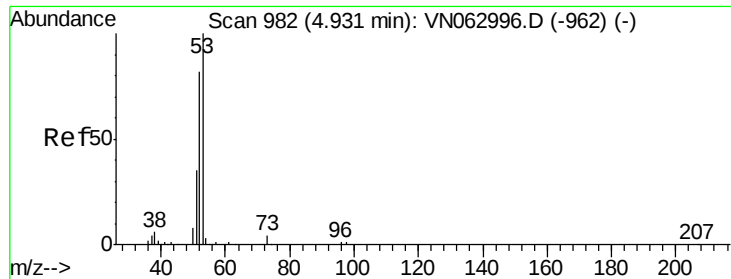
Ion Ratio Lower Upper

41 100

39 57.0 47.9 71.9

76 32.0 27.0 40.6





#15

Acrylonitrile

Concen: 262.662 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

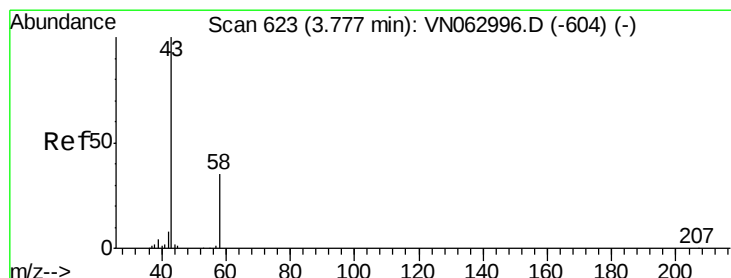
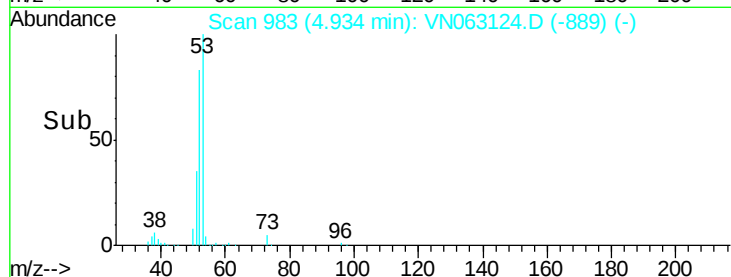
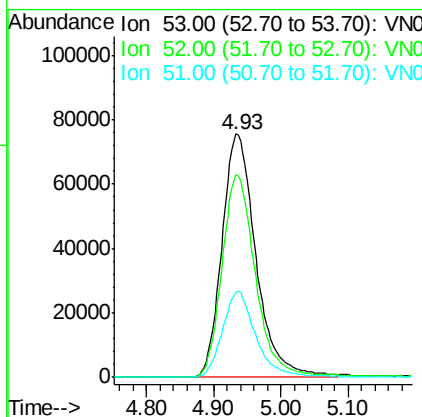
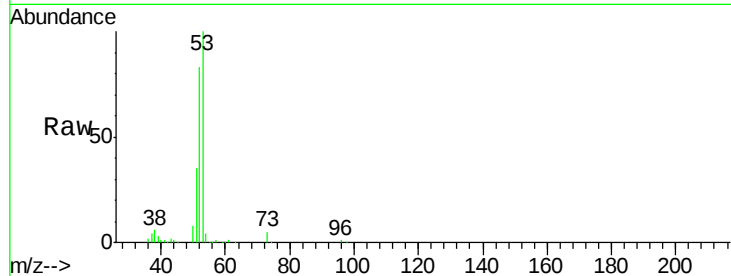
ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion:	53	Resp:	265676
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.6	98.4
51	34.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 298.102 ug/l

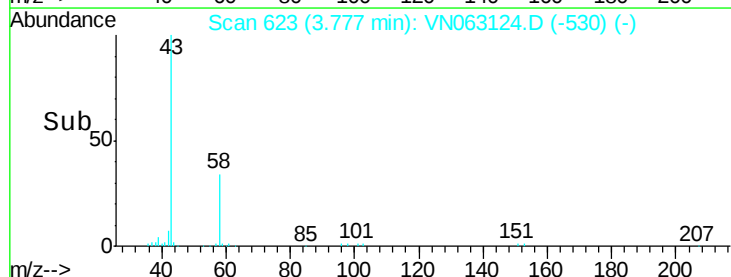
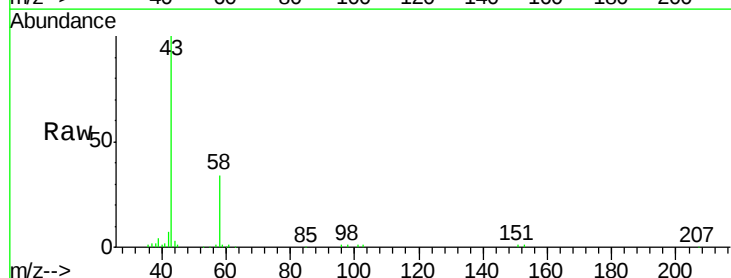
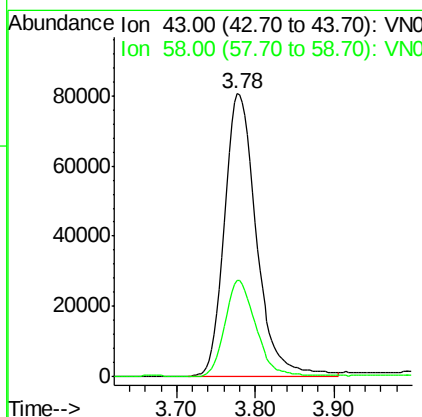
RT: 3.78 min Scan# 623

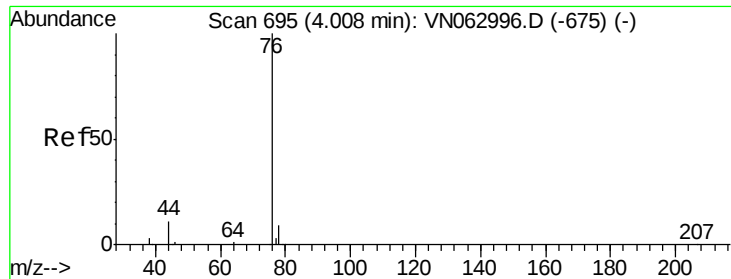
Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Tgt Ion:	43	Resp:	225277
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.8	41.6





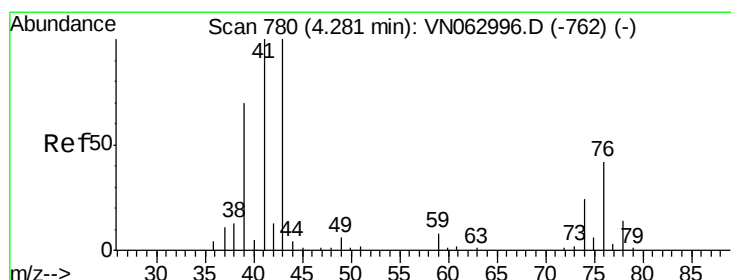
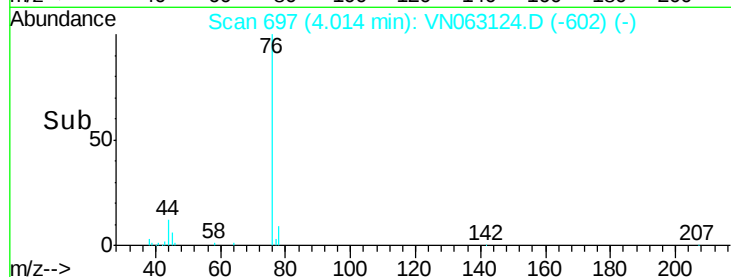
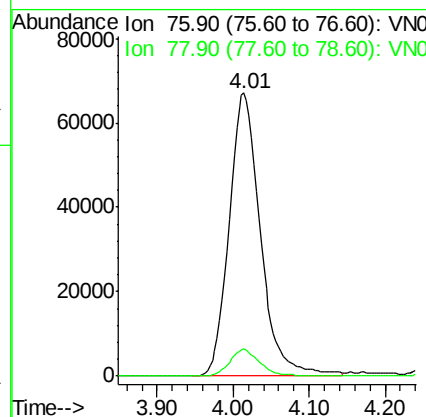
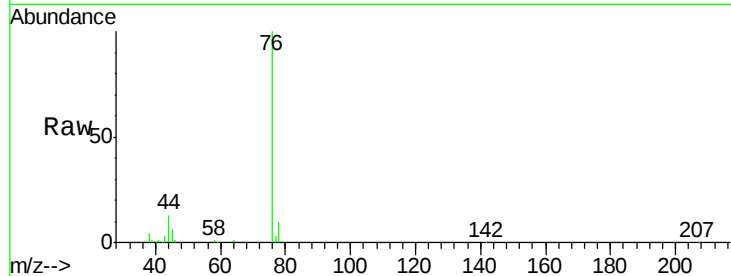
#17
Carbon Disulfide
Concen: 42.267 ug/l
RT: 4.01 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
76	100	192610		
78	9.6	6.9	10.3	

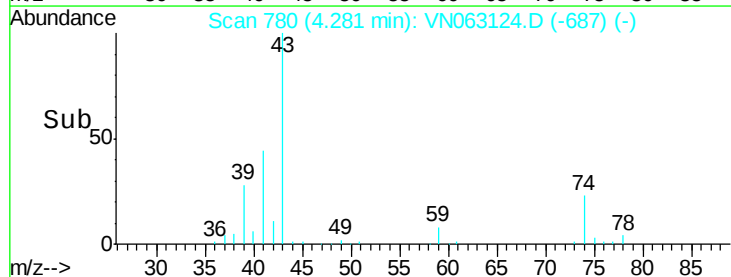
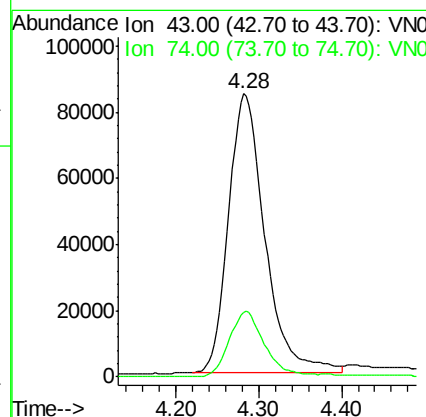
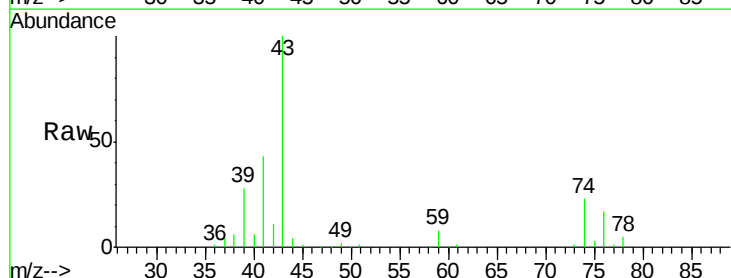
Manual Integrations
APPROVED

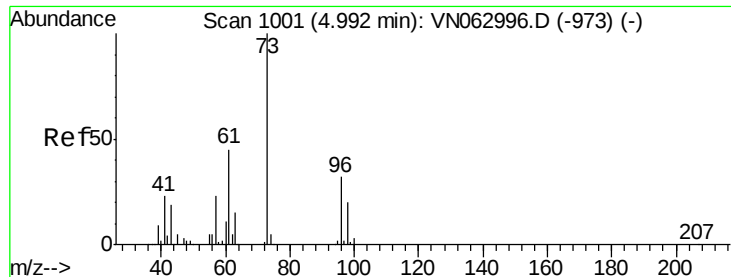
MMDadoda
8/26/2020 11:27:19 AM



#18
Methyl Acetate
Concen: 106.658 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	257516		
74	23.1	18.6	28.0	





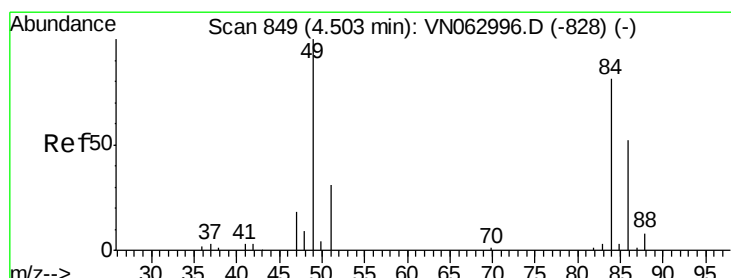
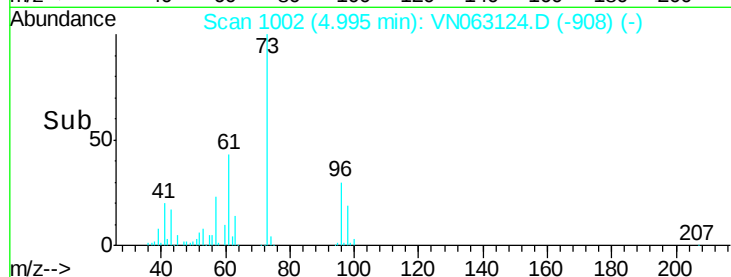
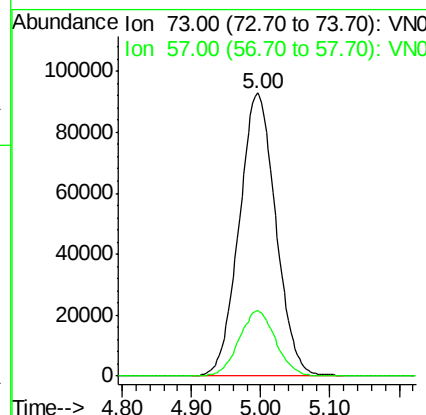
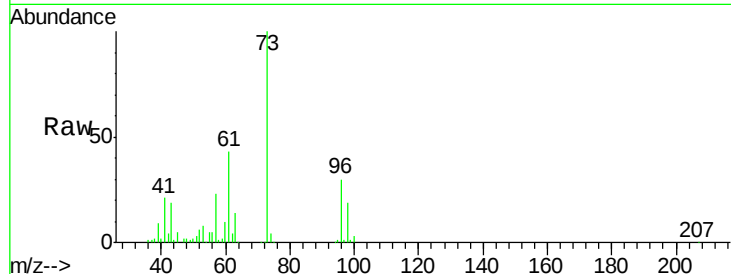
#19
Methvl tert-butvl Ether
Concen: 56.280 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion: 73 Resp: 341527
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1

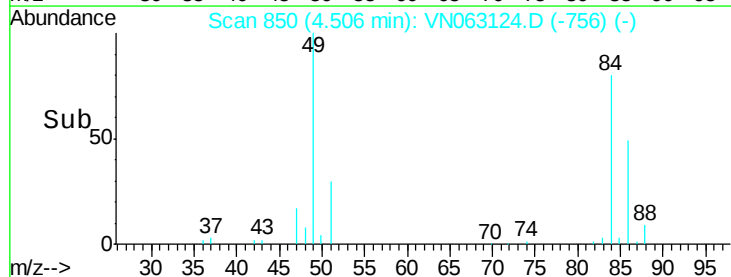
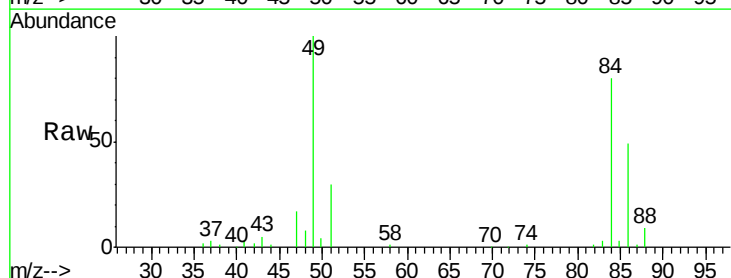
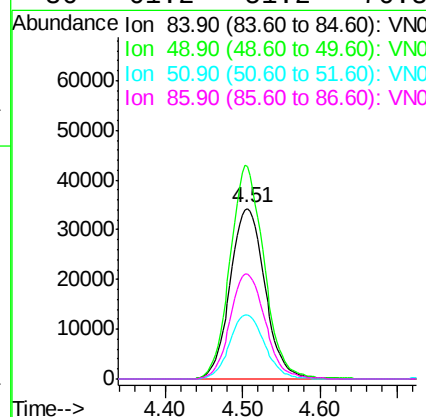
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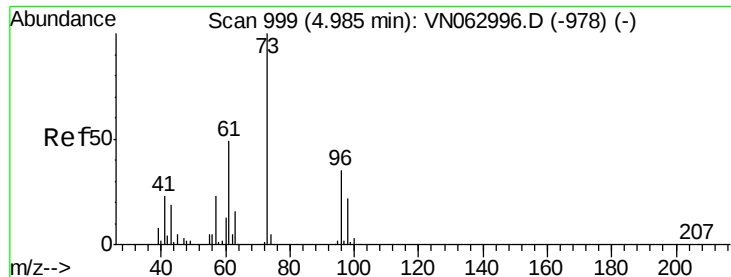
MMDadoda
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#20
Methylene Chloride
Concen: 50.269 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 84 Resp: 107661
Ion Ratio Lower Upper
84 100
49 124.5 98.7 148.1
51 37.2 30.8 46.2
86 61.2 51.2 76.8





#21

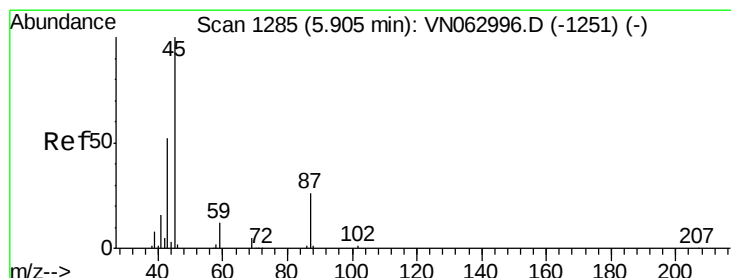
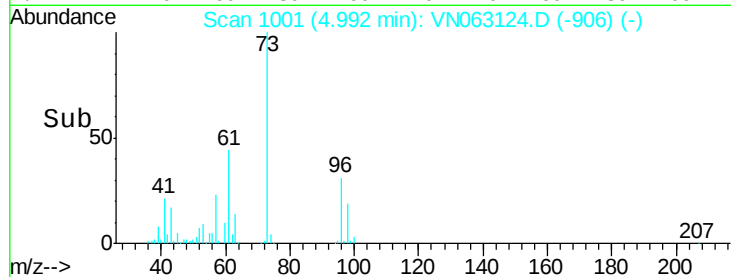
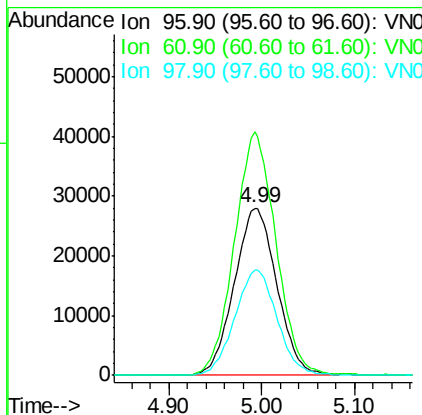
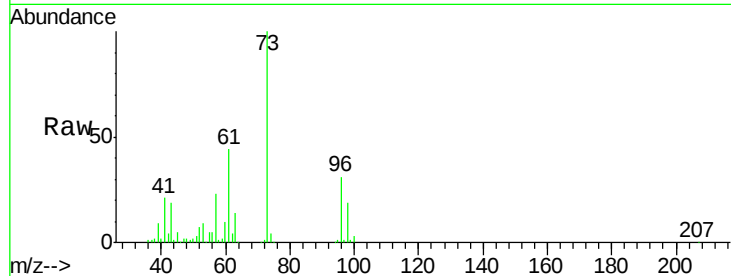
trans-1,2-Dichloroethene
Concen: 48.939 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	112.5	168.7
98	63.0	49.4	74.0

Manual Integrations
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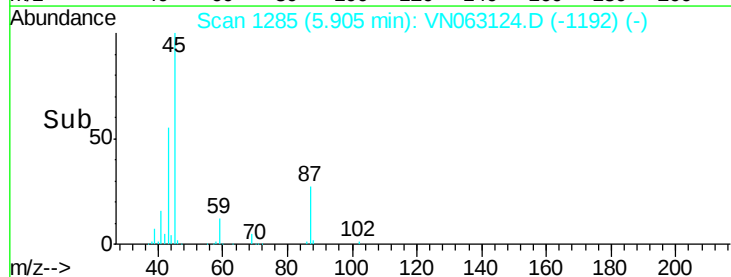
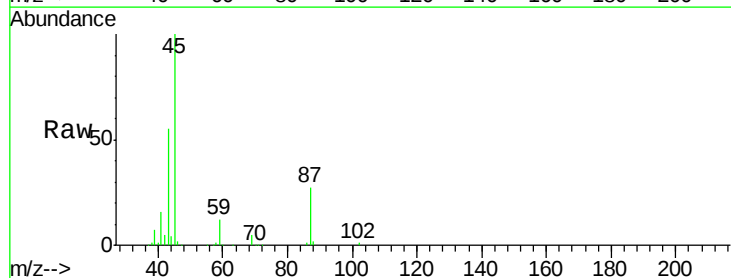
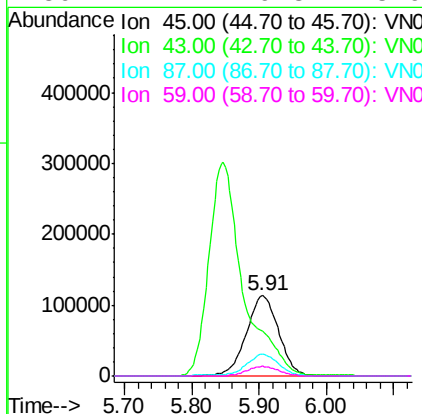
MMDadoda
8/26/2020 11:27:19 AM

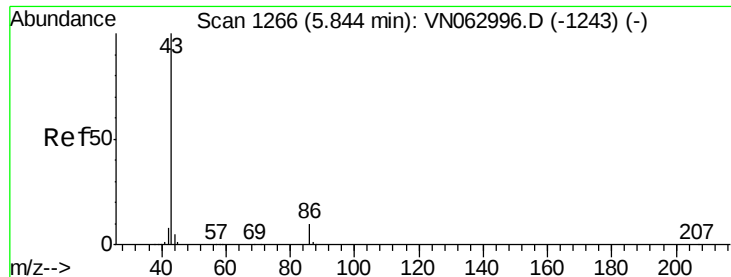


#22

Diisopropyl ether
Concen: 54.497 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.2	45.7	68.5
87	27.0	21.8	32.6
59	12.1	9.3	13.9





#23

Vinyl Acetate

Concen: 227.767 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion: 43 Resp: 1070080

Ion Ratio Lower Upper

43 100

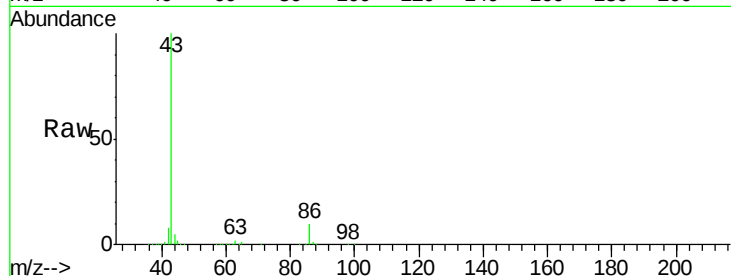
86 10.2 8.0 12.0

Manual Integrations

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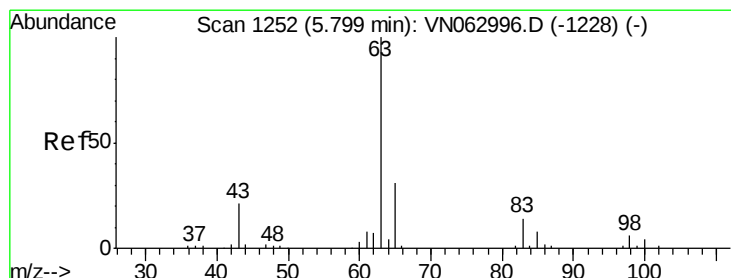
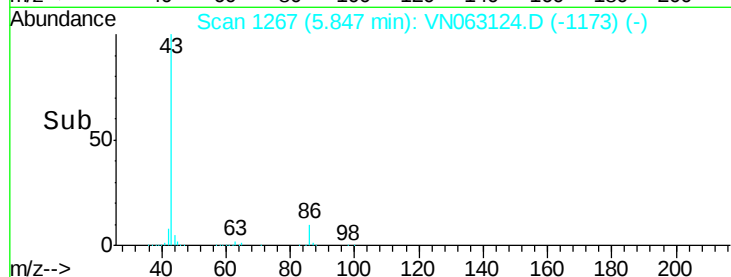
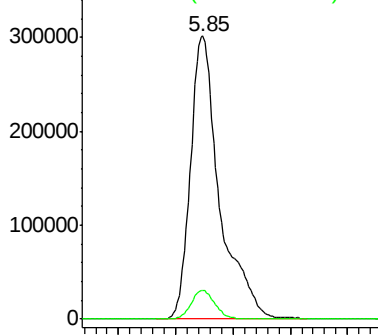
MMDadoda

8/26/2020 11:27:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.710 ug/l

RT: 5.80 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

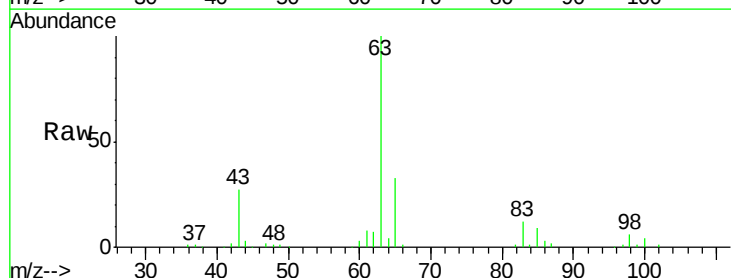
Tgt Ion: 63 Resp: 197287

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

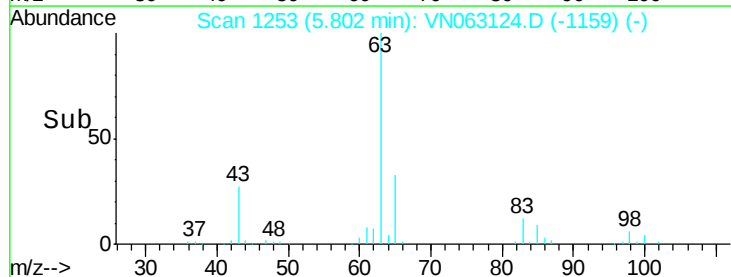
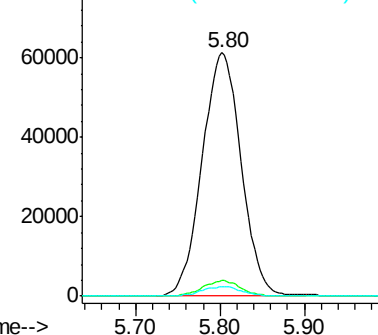
100 3.9 2.0 5.8

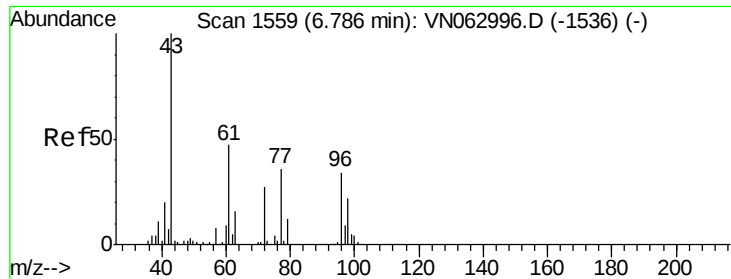


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 256.845 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion: 43 Resp: 331291

Ion Ratio Lower Upper

43 100

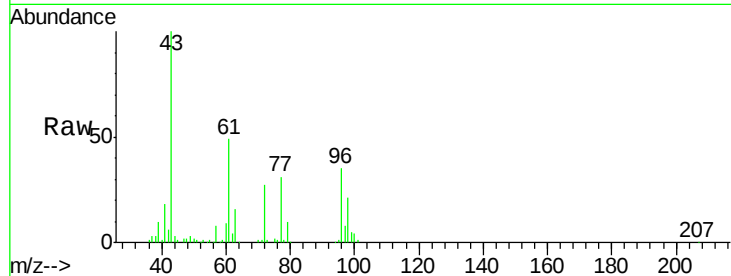
72 26.8 21.8 32.6

Manual Integrations

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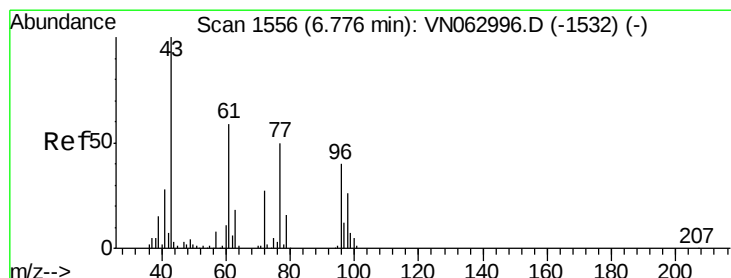
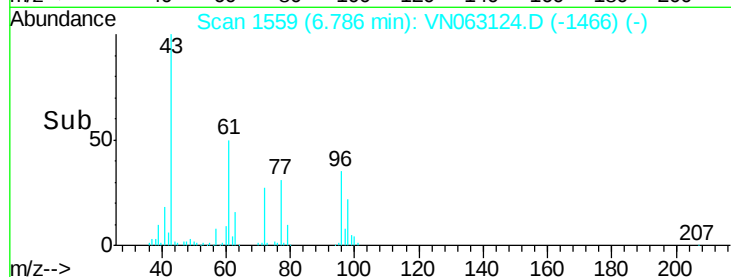
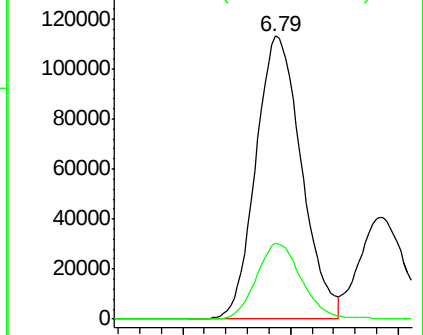
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 40.368 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN063124.D

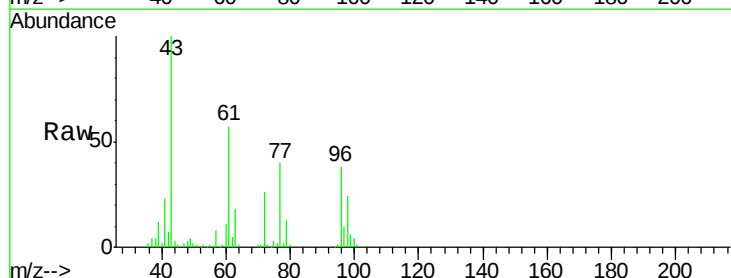
Acq: 25 Aug 2020 20:16

Tgt Ion: 77 Resp: 123513

Ion Ratio Lower Upper

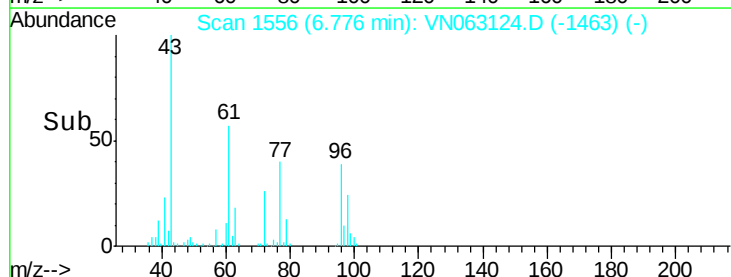
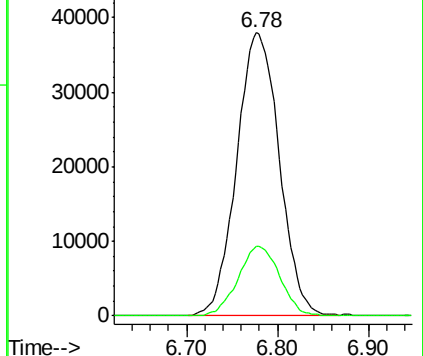
77 100

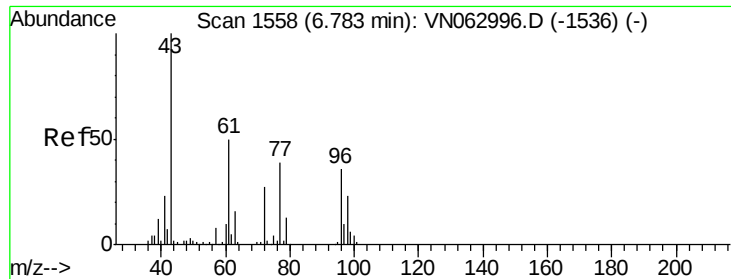
97 23.9 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.621 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

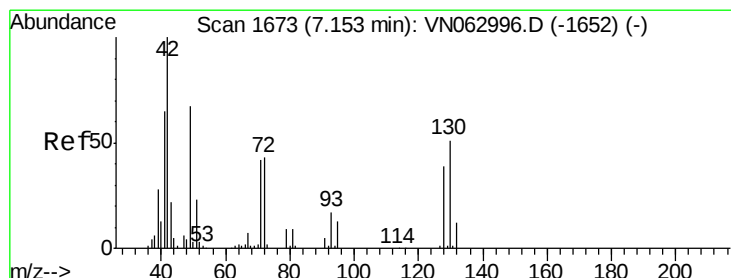
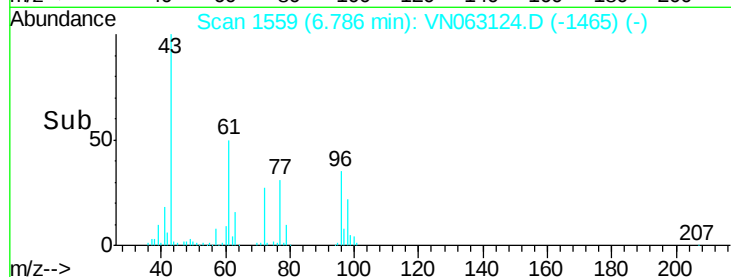
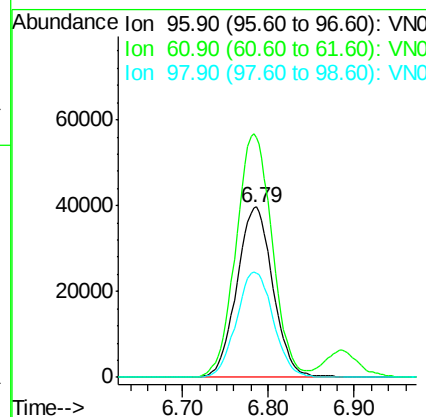
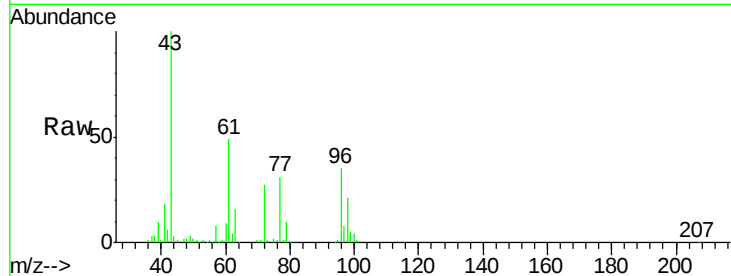
ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion:	96	Resp:	11539
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	292.8
98	63.0	0.0	130.6

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#28

Bromochloromethane

Concen: 50.788 ug/l

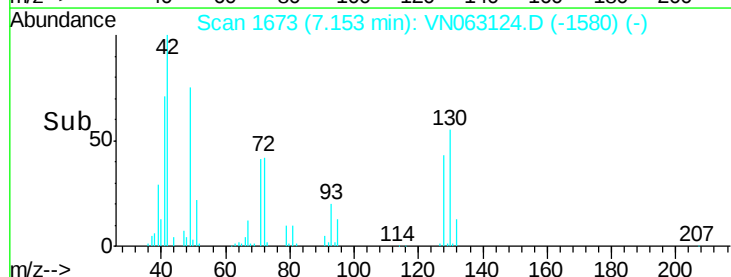
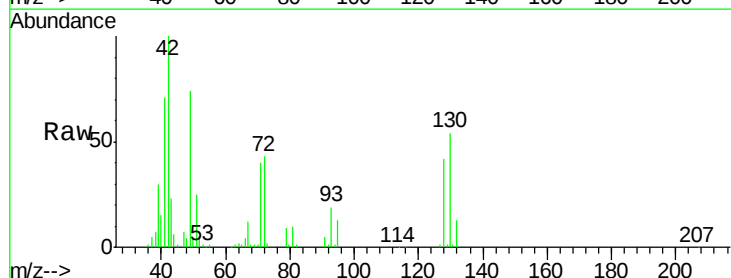
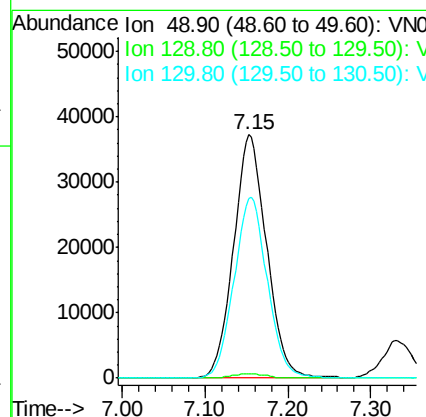
RT: 7.15 min Scan# 1673

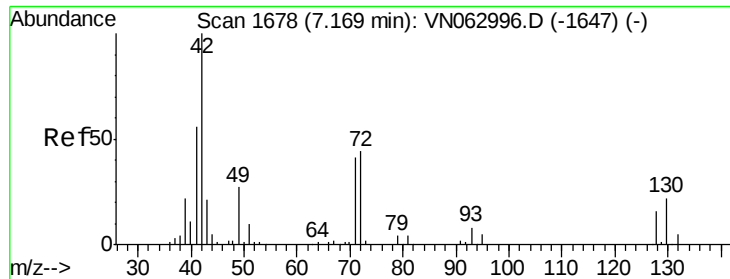
Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Tgt Ion:	49	Resp:	103386
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	74.7	61.1	91.7





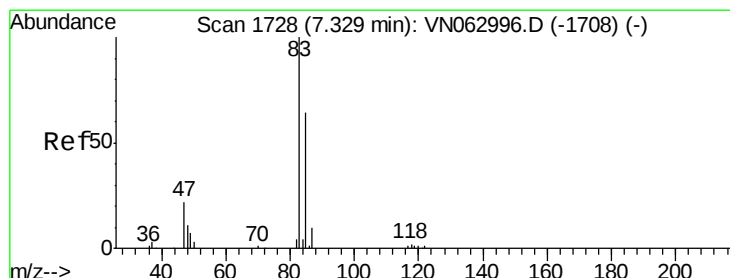
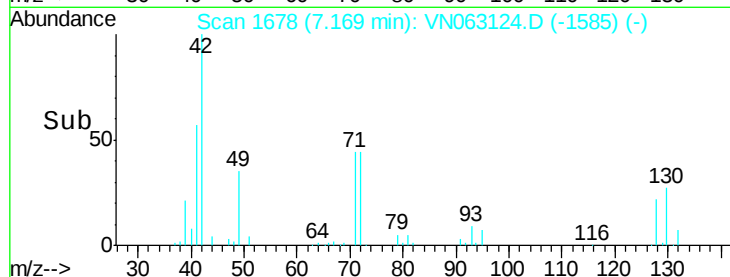
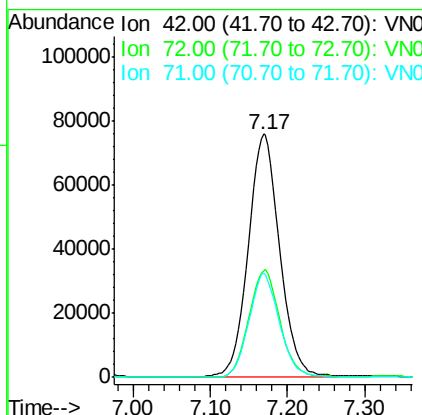
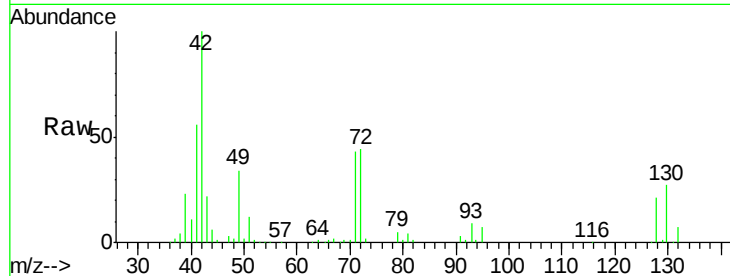
#29
Tetrahydrofuran
Concen: 260.132 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.6	52.0
71	41.3	32.3	48.5

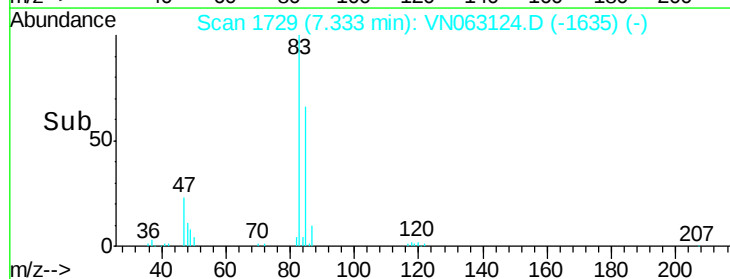
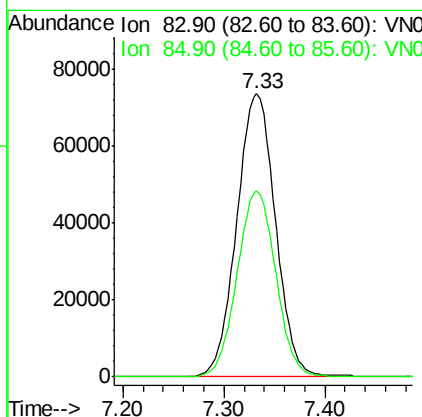
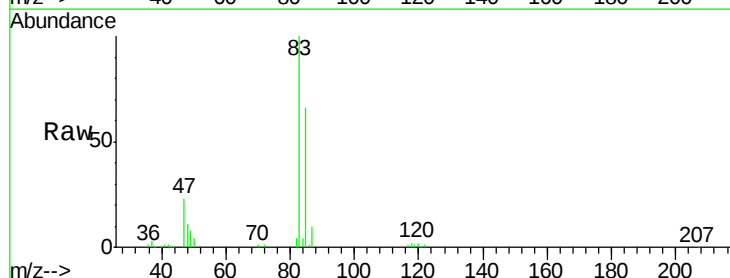
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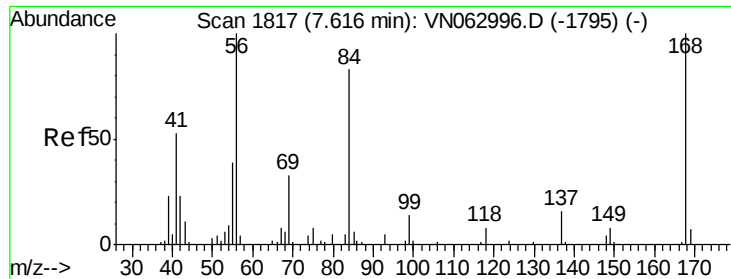
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#30
Chloroform
Concen: 49.869 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





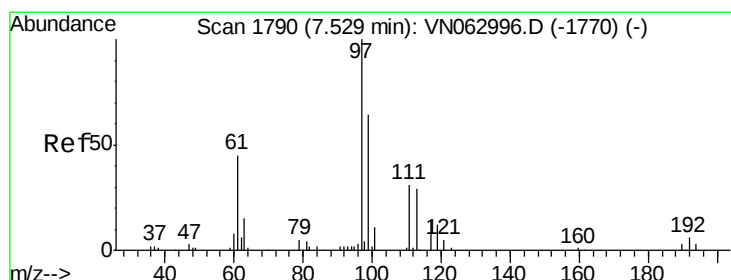
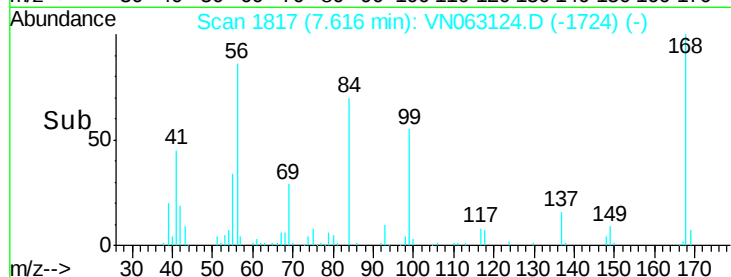
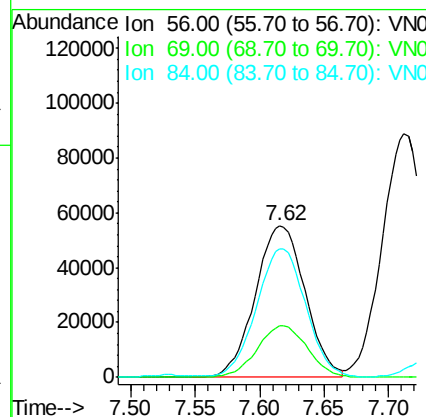
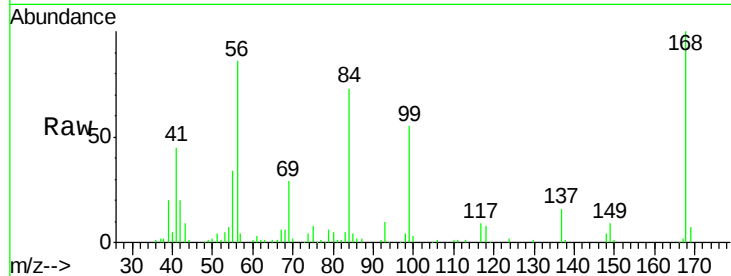
#31
Cyclohexane
Concen: 41.597 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.8	26.6	40.0	
84	84.1	66.4	99.6	

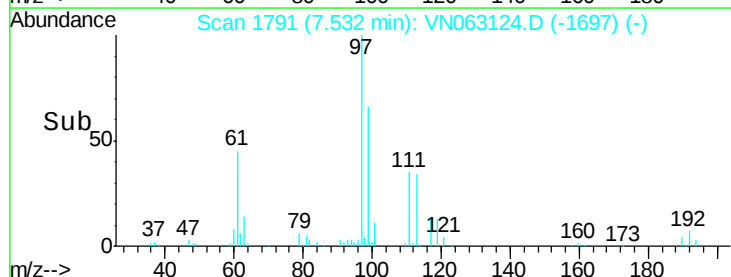
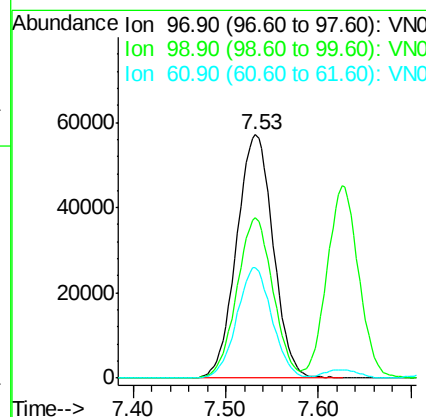
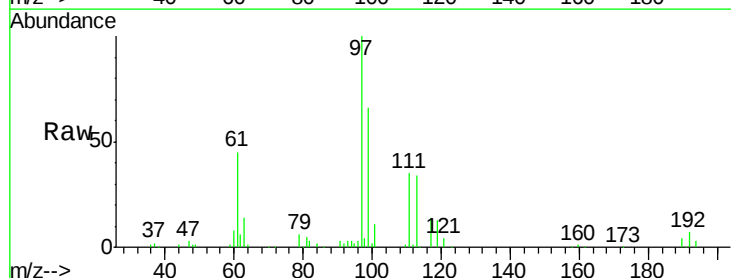
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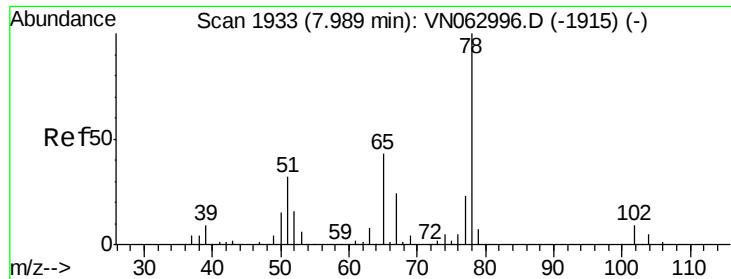
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#32
1,1,1-Trichloroethane
Concen: 48.822 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.8	52.0	78.0	
61	43.8	36.2	54.4	





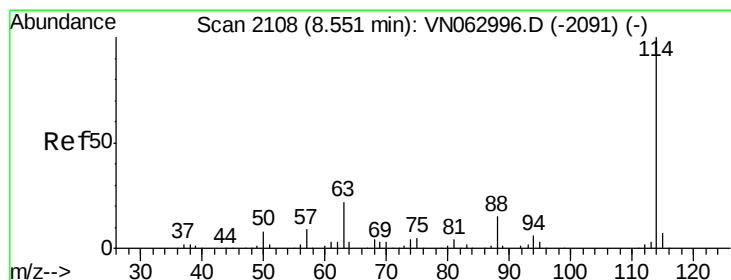
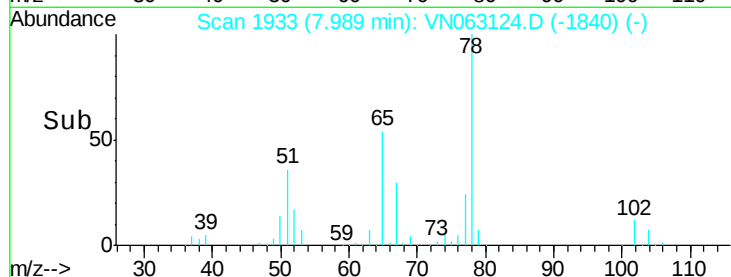
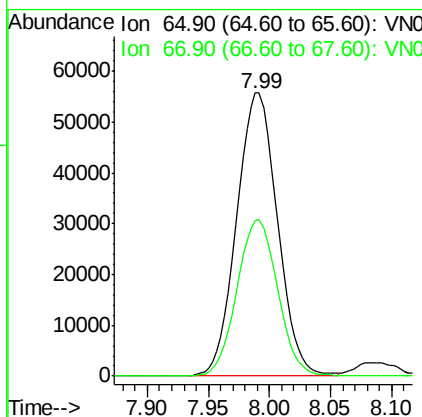
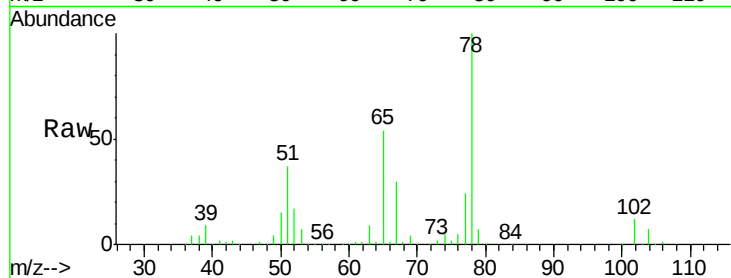
#33
 1,2-Dichloroethane-d4
 Concen: 53.174 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	112.0	

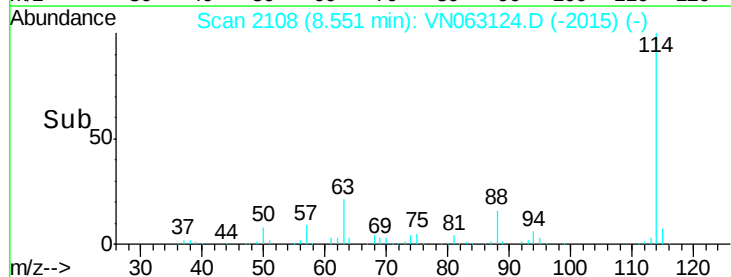
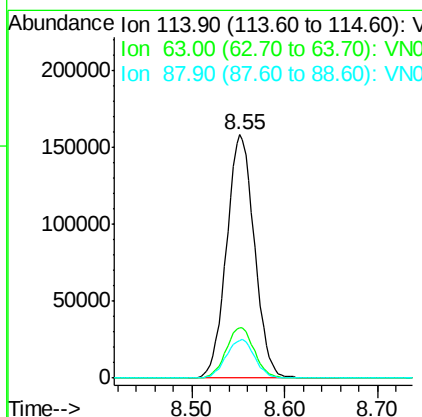
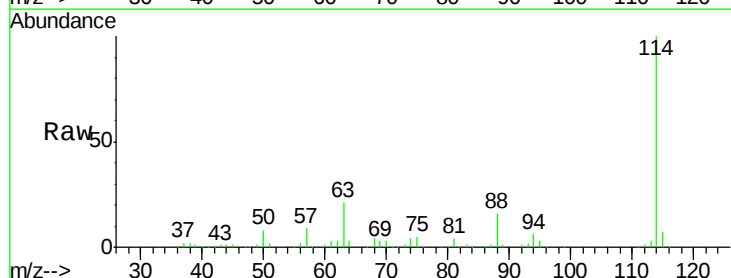
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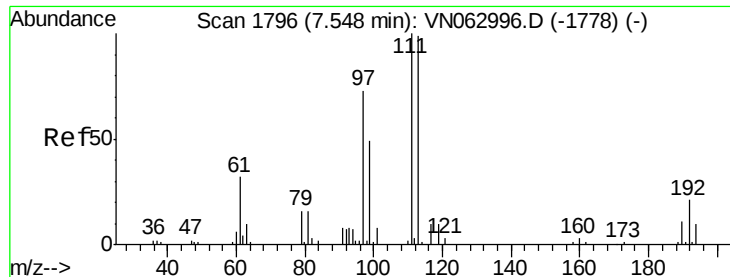
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	43.2	
88	15.6	0.0	30.6	





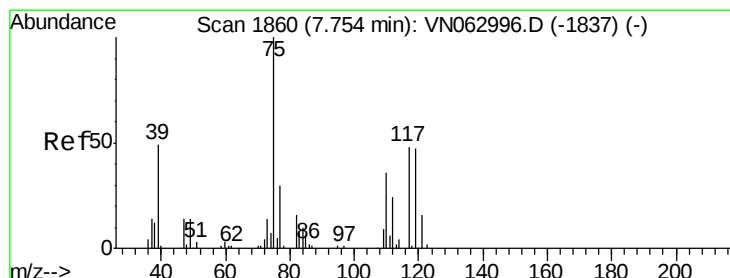
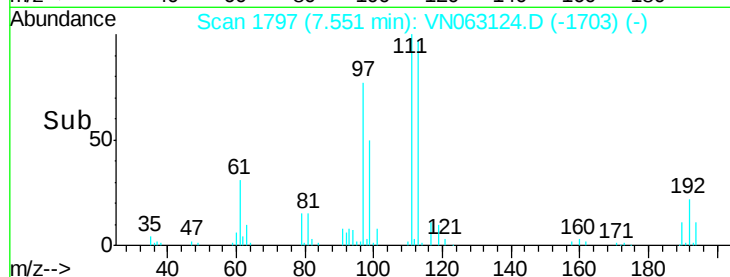
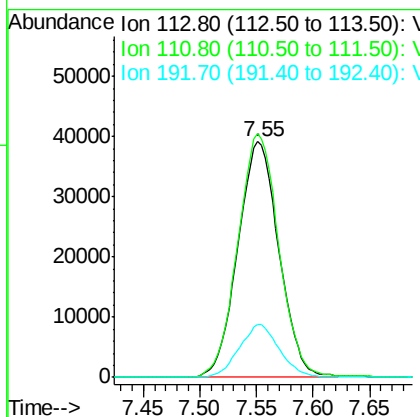
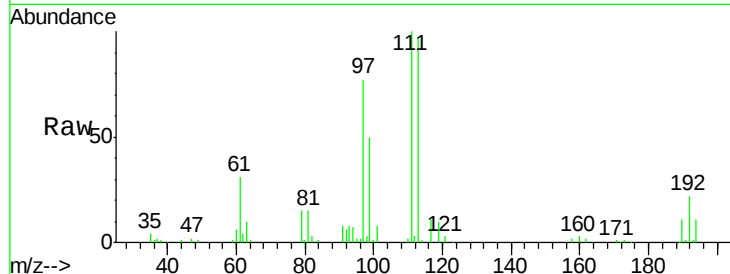
#35
 Dibromofluoromethane
 Concen: 45.993 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	81.7	122.5	
192	21.8	17.5	26.3	

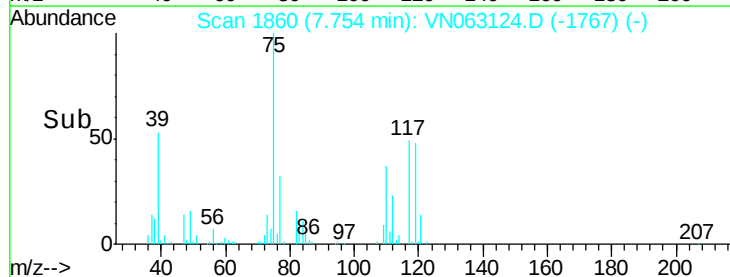
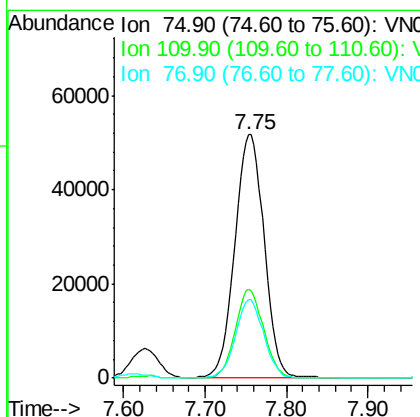
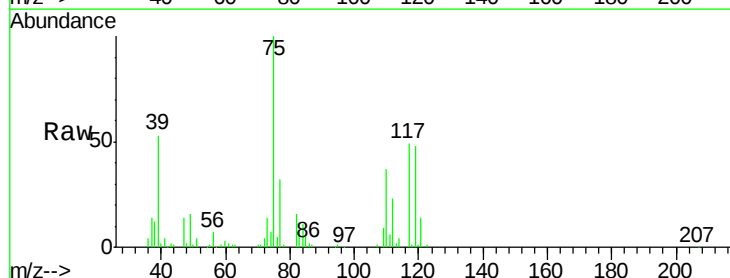
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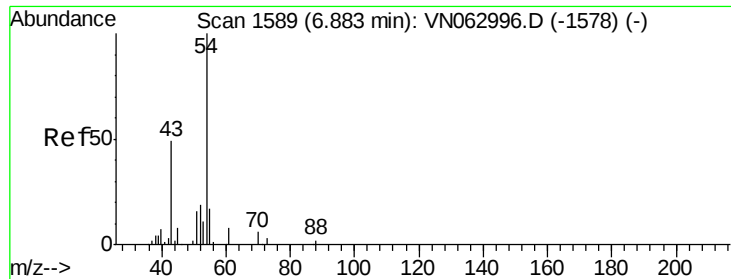
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#36
 1,1-Dichloropropene
 Concen: 44.482 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.8	17.5	52.6	
77	31.2	24.2	36.4	





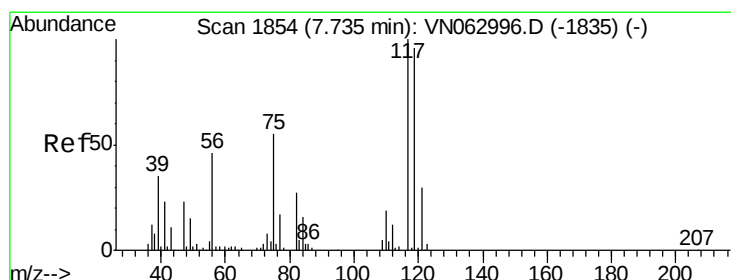
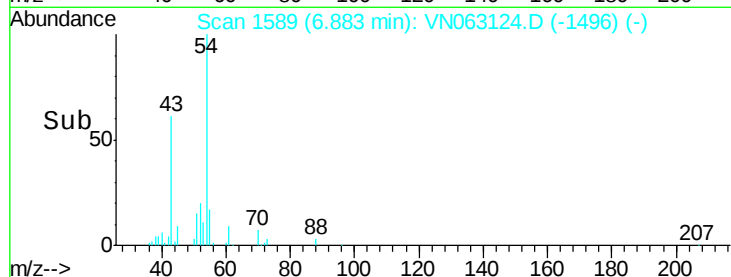
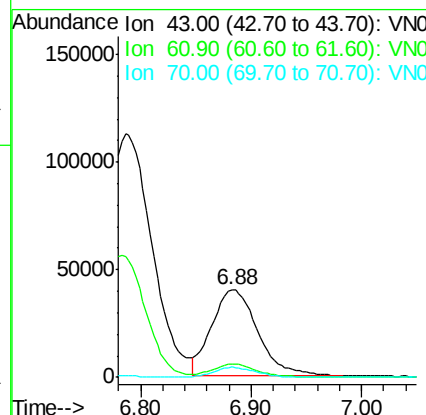
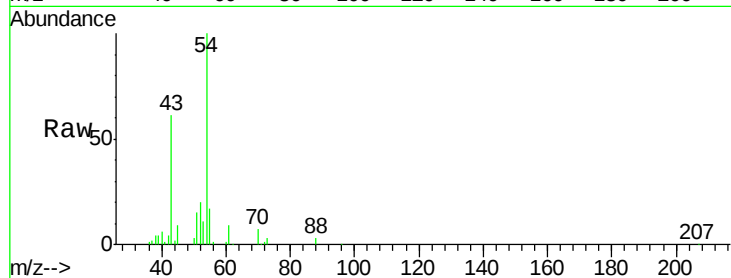
#37
Ethyl Acetate
Concen: 42.948 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.8
70	10.8	8.2	12.2

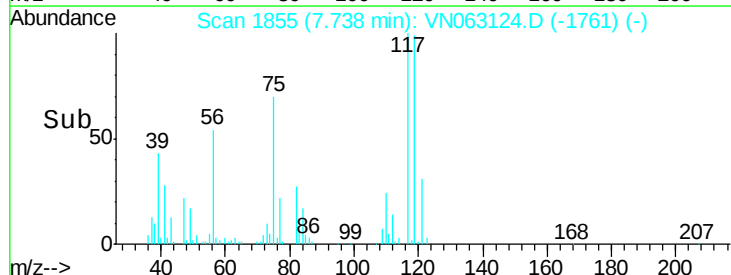
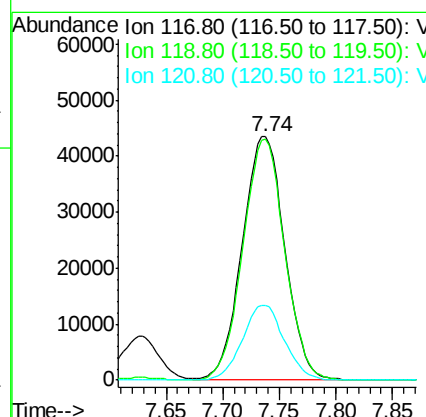
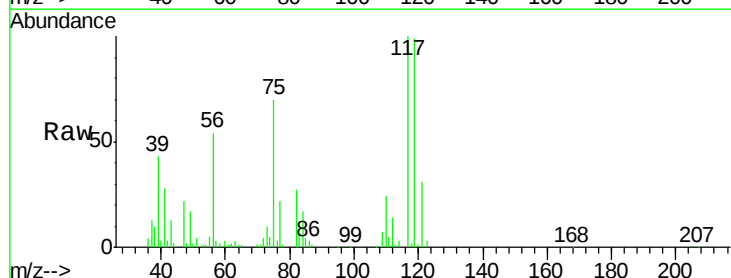
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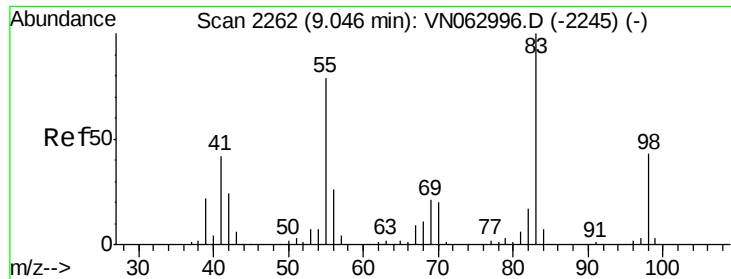
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#38
Carbon Tetrachloride
Concen: 38.767 ug/l
RT: 7.74 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.2	114.4
121	30.9	24.2	36.2





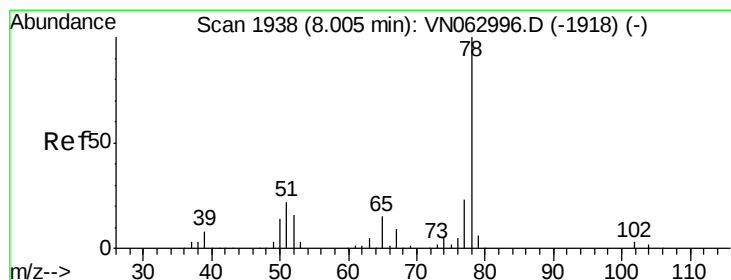
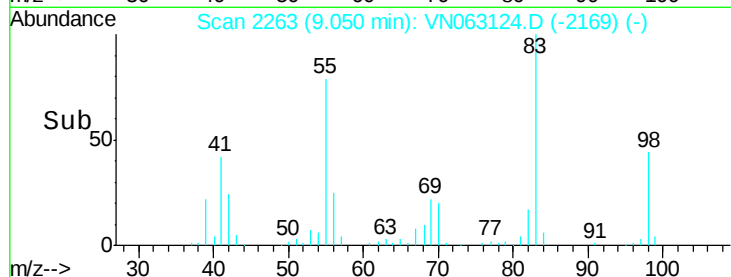
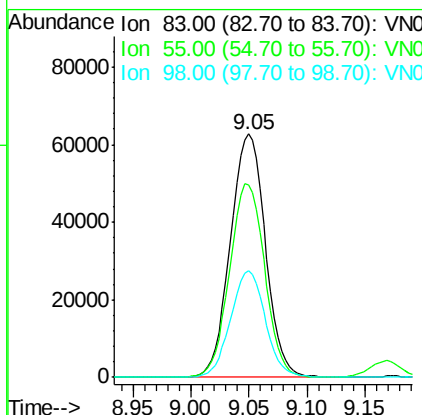
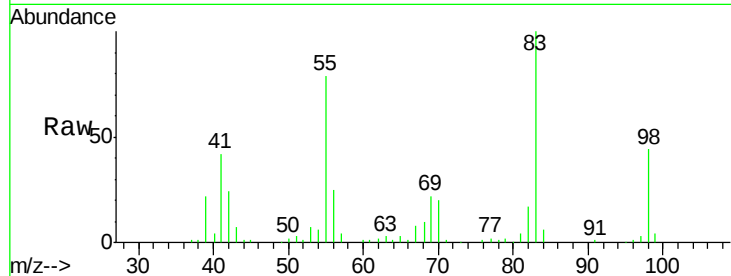
#39
Methvlcvclohexane
Concen: 34.060 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.2	63.3	94.9	
98	43.8	34.2	51.4	

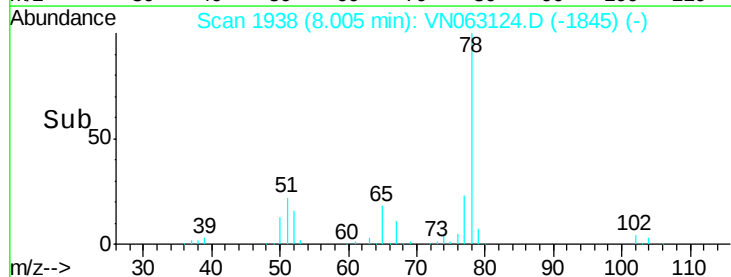
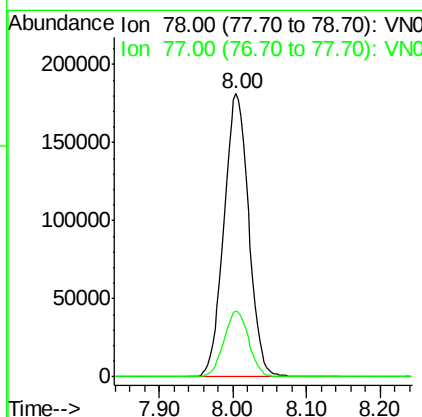
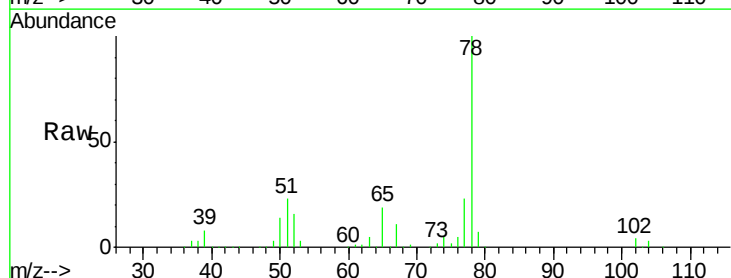
Manual Integrations
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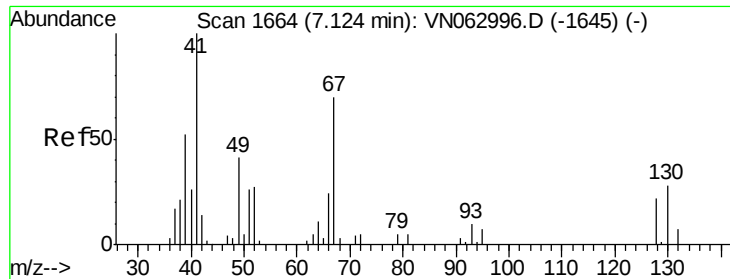
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#40
Benzene
Concen: 46.033 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.8	28.2	





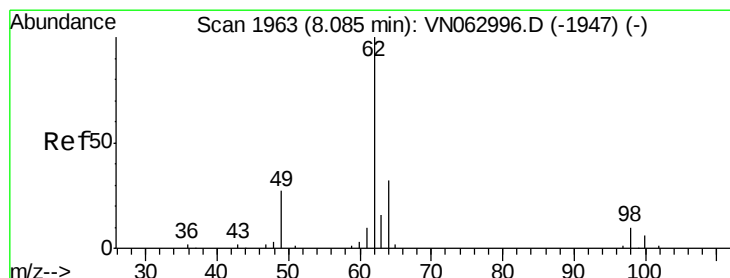
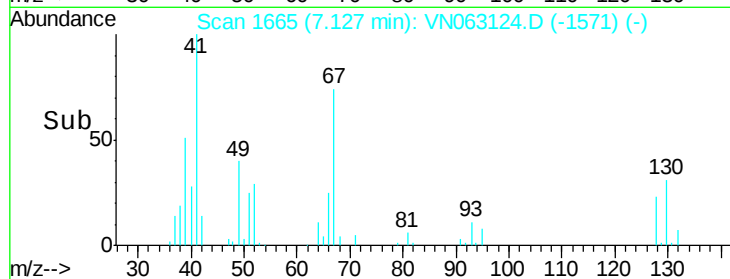
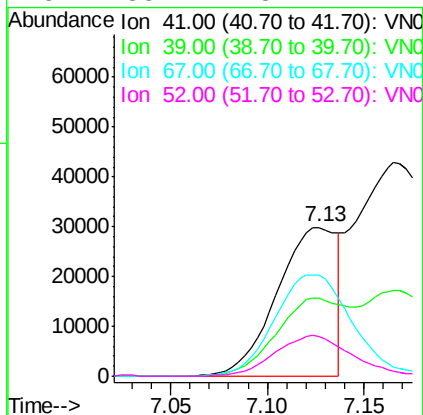
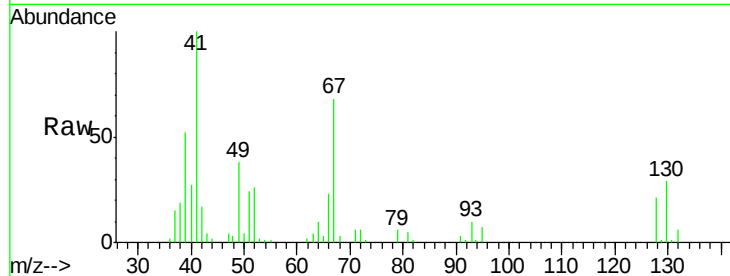
#41
Methacrylonitrile
Concen: 49.593 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.0	41.6	62.4	
67	89.4	71.8	107.8	
52	35.7	28.2	42.4	

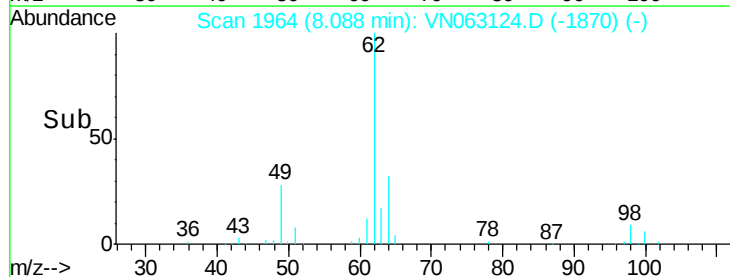
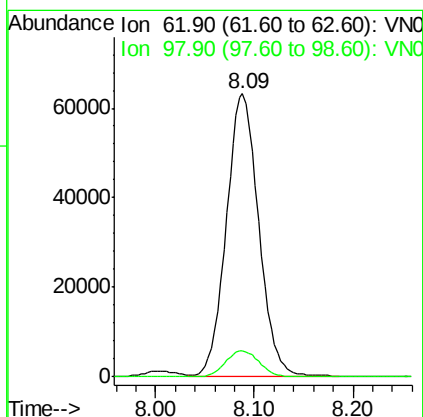
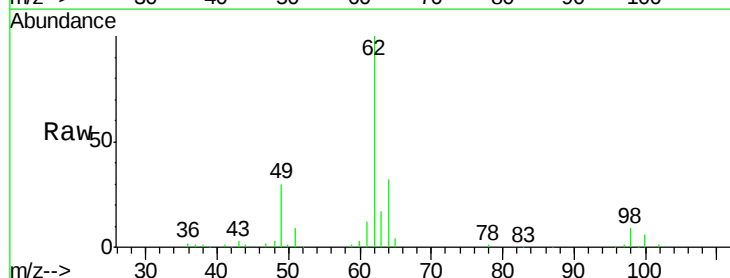
Manual Integrations
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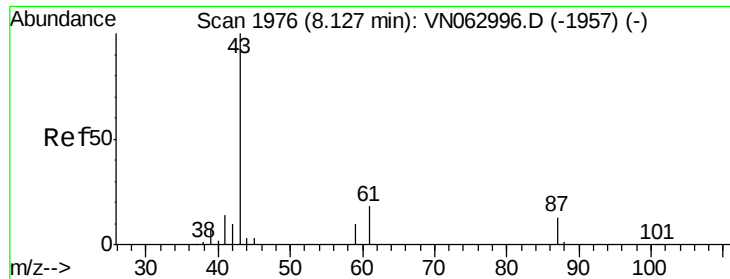
MMDadoda
8/26/2020 11:27:19 AM



#42
1,2-Dichloroethane
Concen: 46.716 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.4	





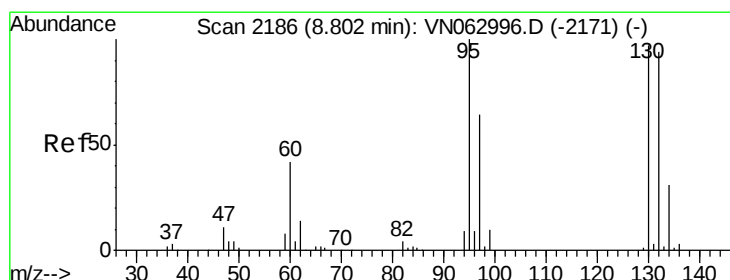
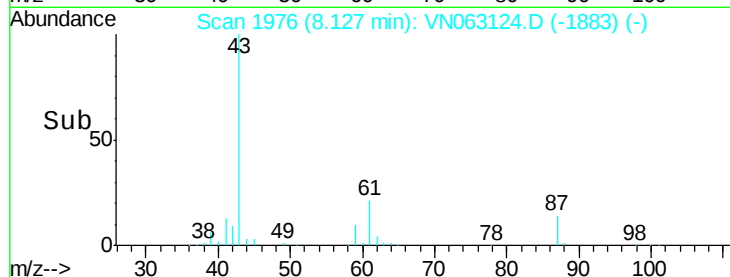
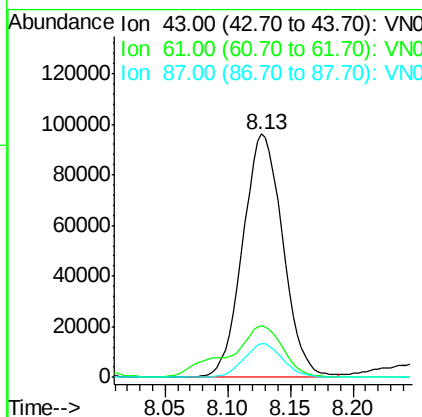
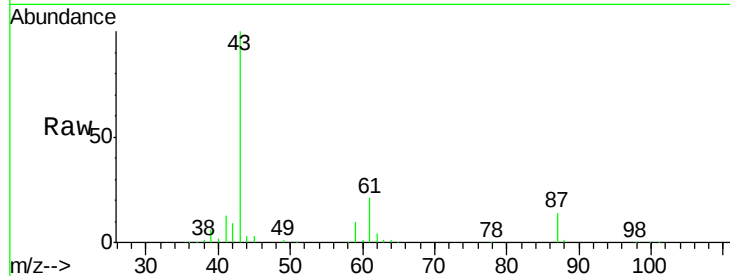
#43
Isopropyl Acetate
Concen: 47.249 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	22.6	33.8
87	13.5	10.5	15.7

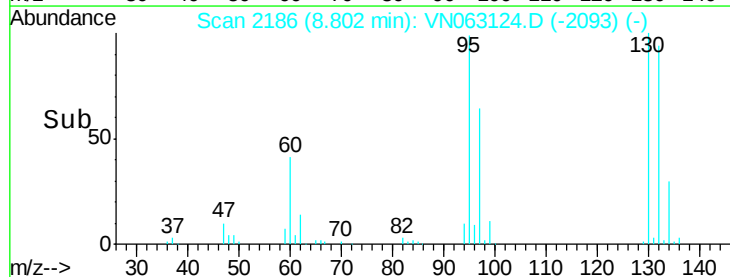
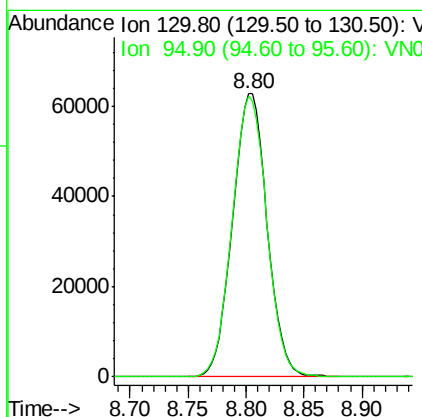
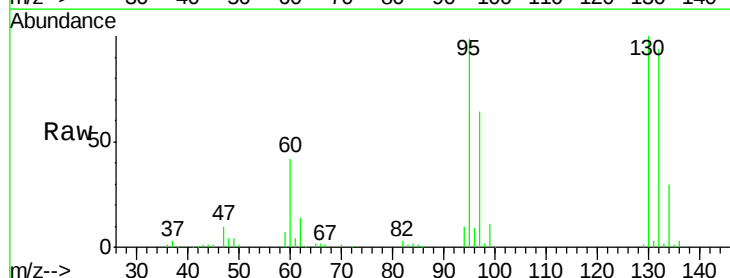
Manual Integrations
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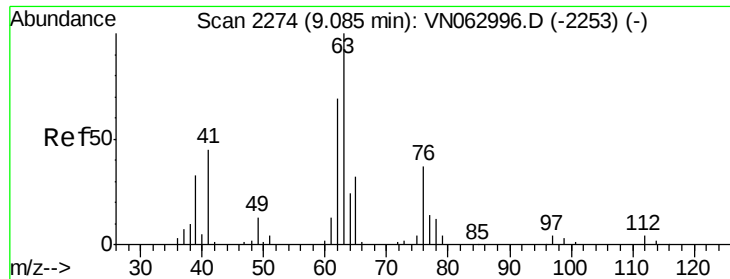
MMDadoda
8/26/2020 11:27:19 AM



#44
Trichloroethene
Concen: 56.540 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	205.6





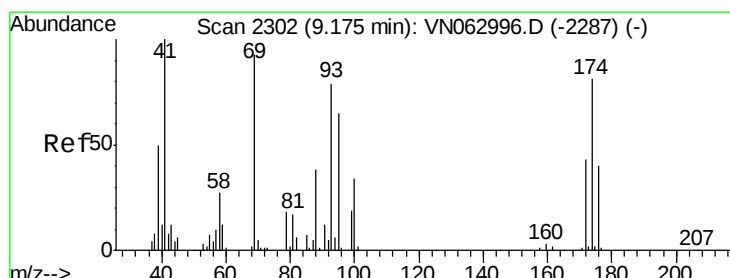
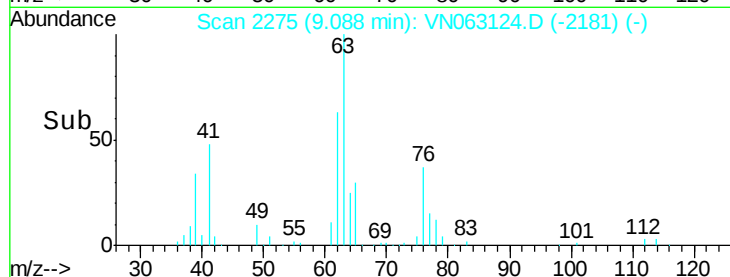
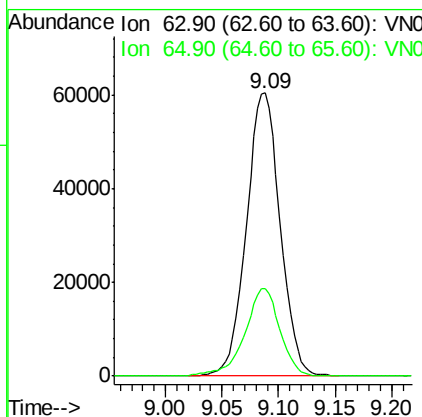
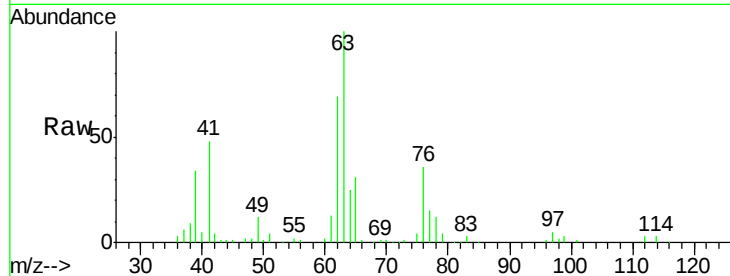
#45
 1,2-Dichloropropane
 Concen: 47.086 ug/l
 RT: 9.09 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion: 63 Resp: 125355
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.6 38.4

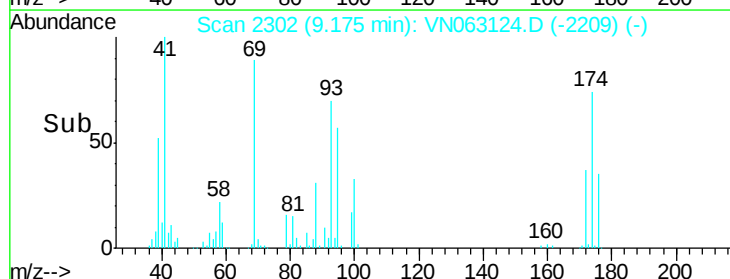
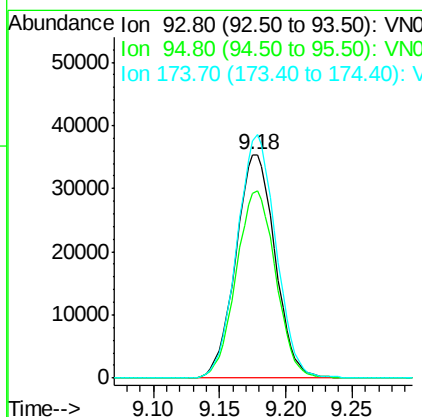
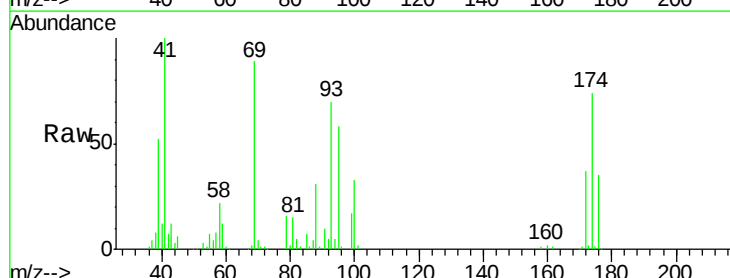
Manual Integrations
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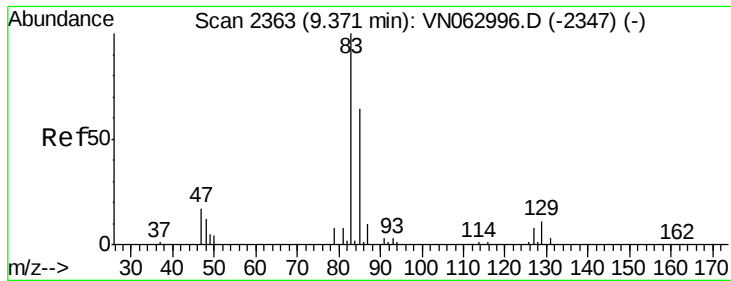
MMDadoda
 8/26/2020 11:27:19 AM



#46
 Dibromomethane
 Concen: 47.359 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion: 93 Resp: 72838
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.2 99.4
 174 107.8 84.6 127.0





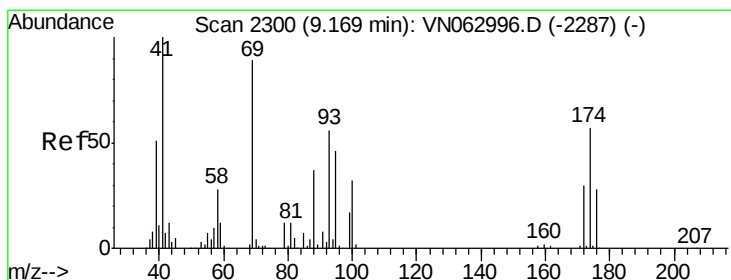
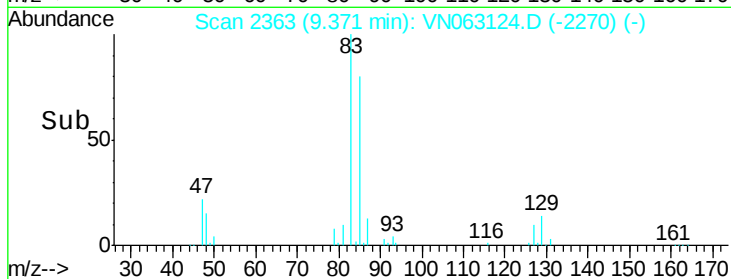
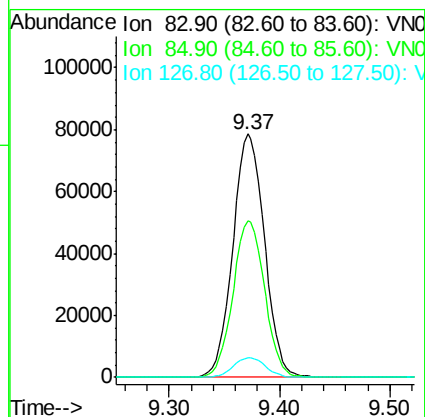
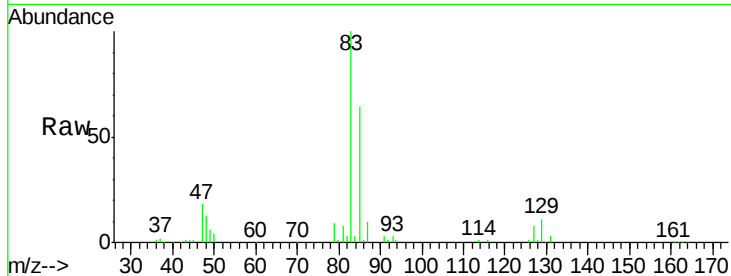
#47
Bromodichloromethane
Concen: 46.381 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	83	Resp	156238
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.1	76.7
127	8.1	6.6	9.8

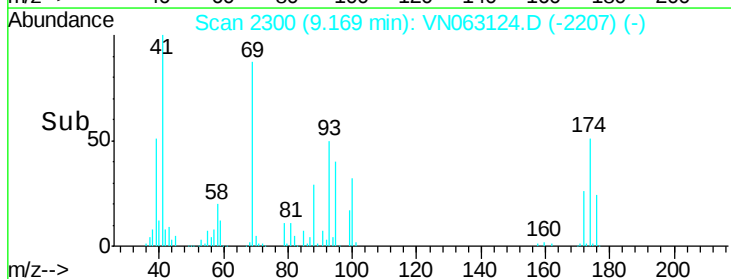
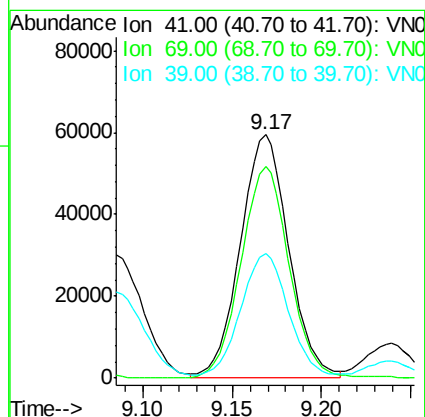
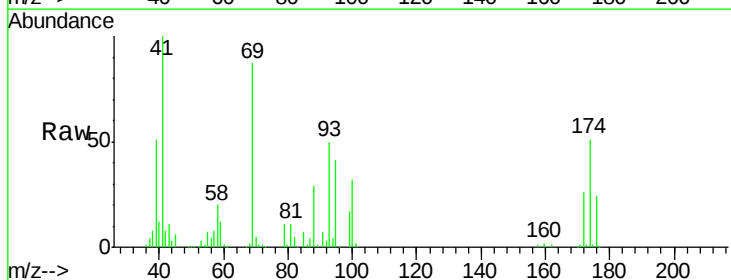
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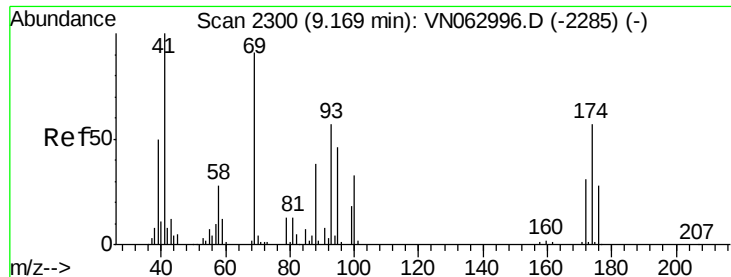
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#48
Methyl methacrylate
Concen: 52.799 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	41	Resp	112615
Ion Ratio	100	Lower	Upper
41	100		
69	87.1	74.2	111.4
39	51.2	42.5	63.7





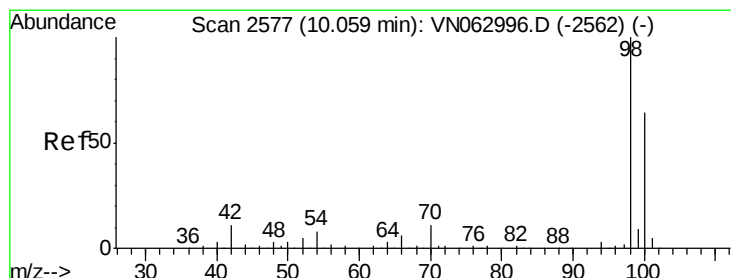
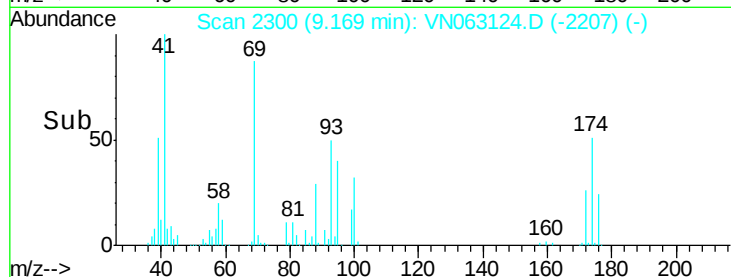
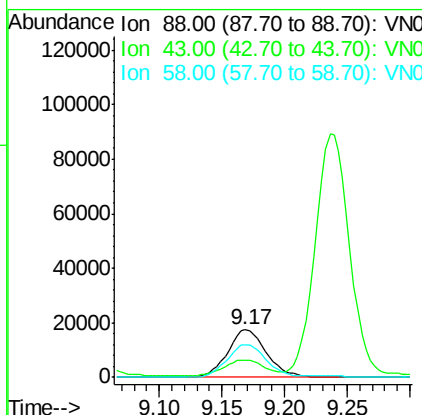
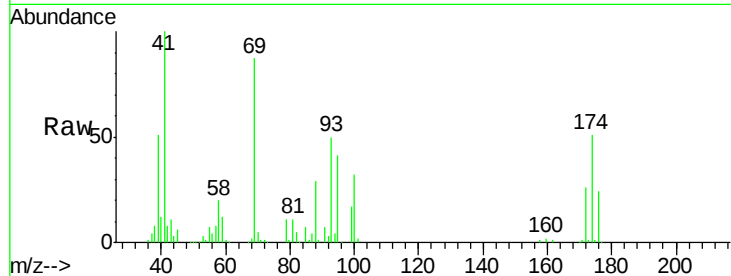
#49
1,4-Dioxane
Concen: 803.118 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	25.2	37.8
58	70.7	56.7	85.1

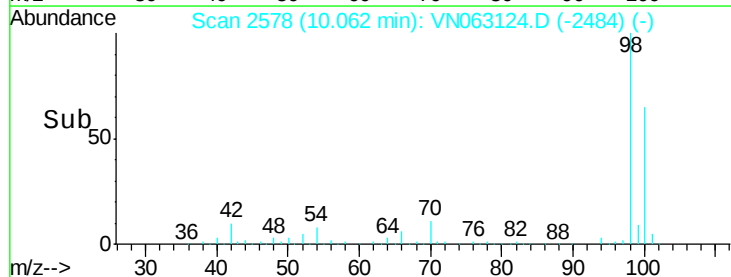
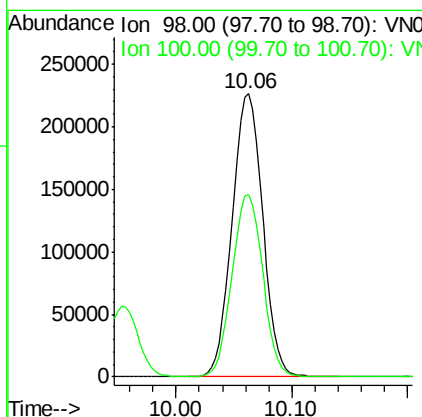
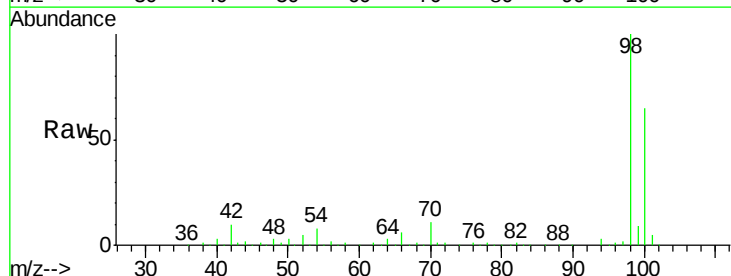
Manual Integrations
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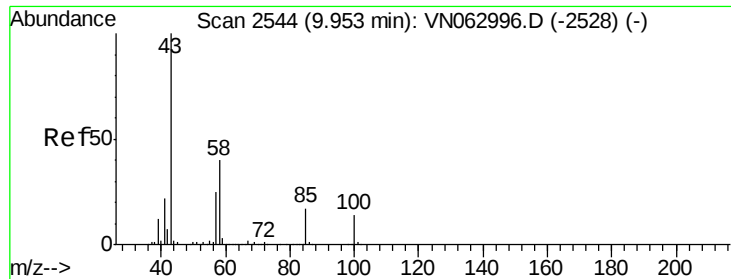
MMDadoda
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#50
Toluene-d8
Concen: 50.189 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





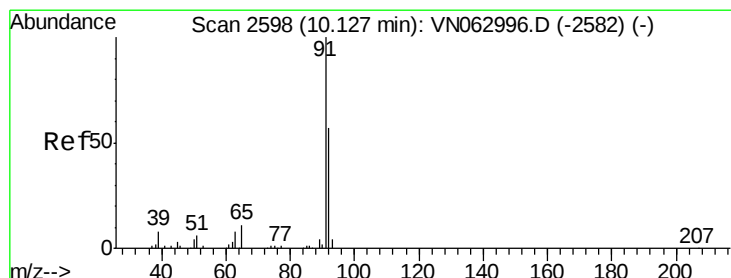
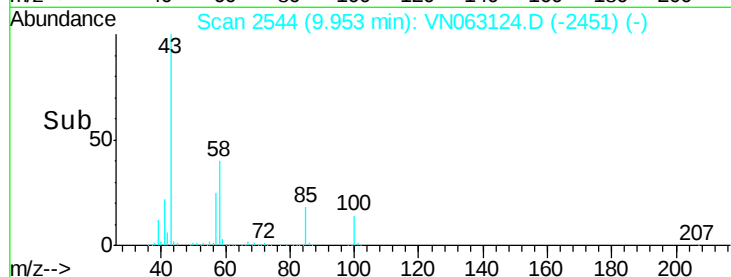
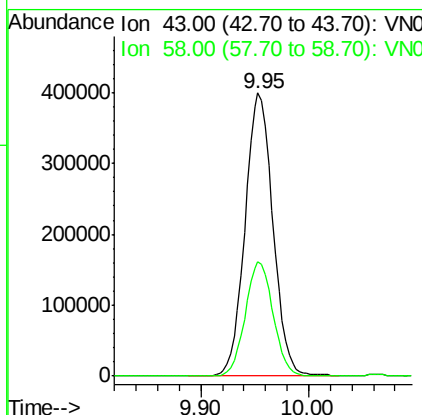
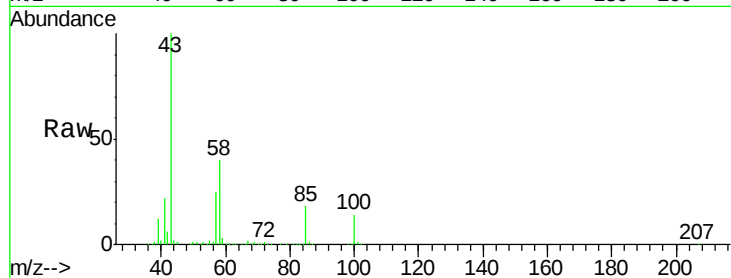
#51
4-Methyl-2-Pentanone
Concen: 250.941 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion: 43 Resp: 715023
Ion Ratio Lower Upper
43 100
58 40.4 32.2 48.2

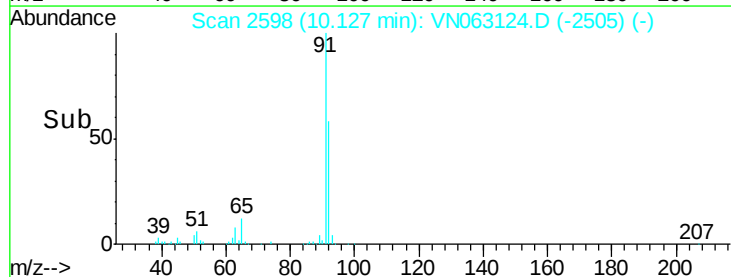
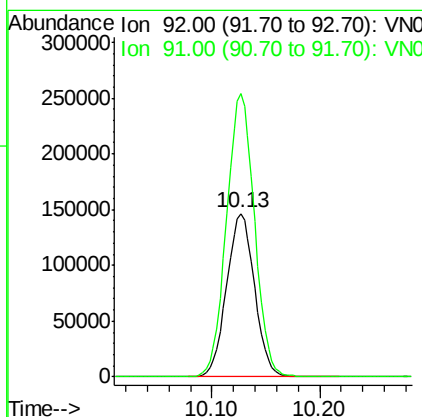
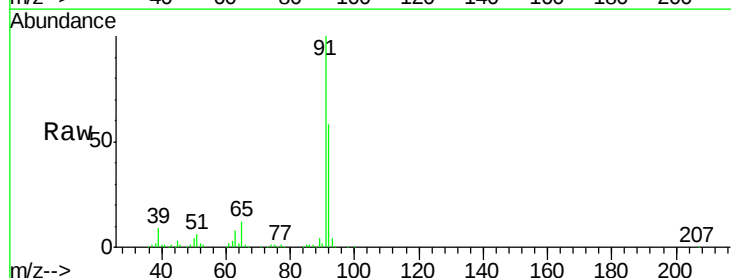
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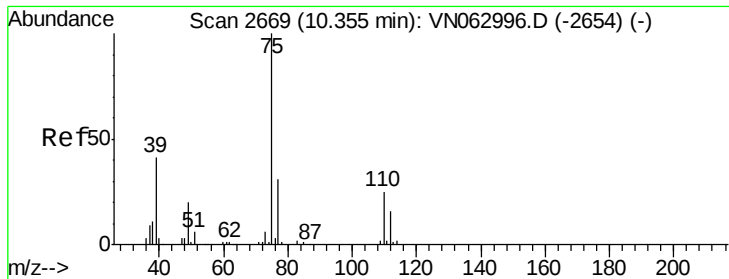
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#52
Toluene
Concen: 47.707 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 92 Resp: 265059
Ion Ratio Lower Upper
92 100
91 173.4 139.2 208.8





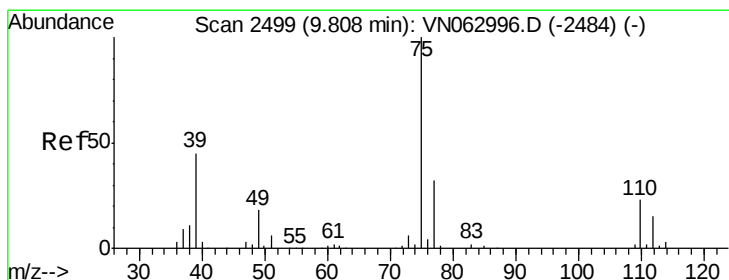
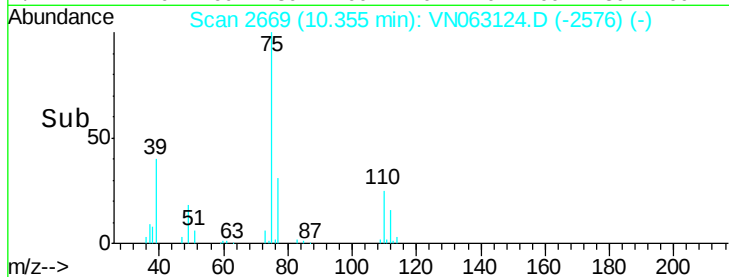
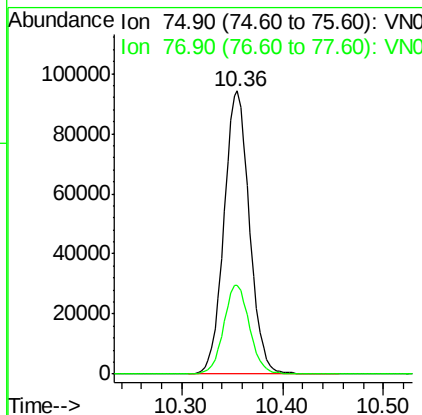
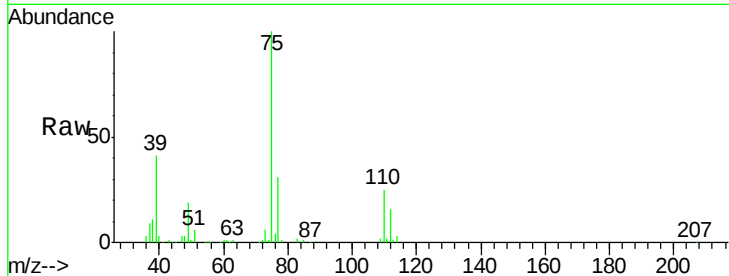
#53
t-1,3-Dichloropropene
Concen: 47.756 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion: 75 Resp: 166359
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0

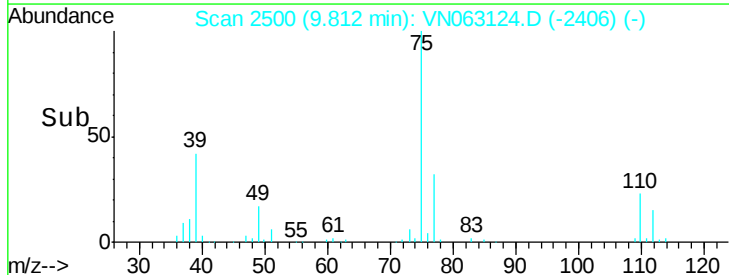
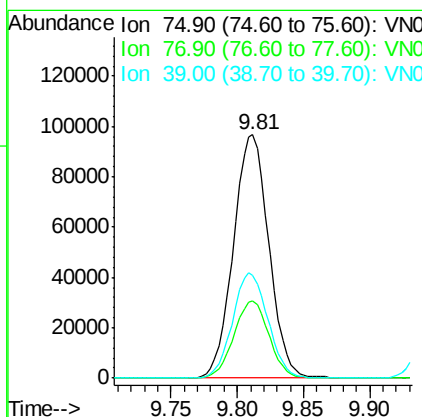
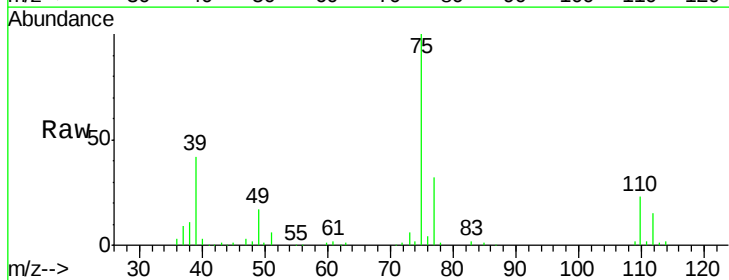
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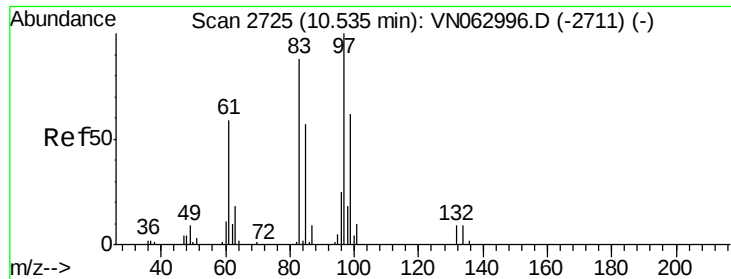
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#54
cis-1,3-Dichloropropene
Concen: 46.939 ug/l
RT: 9.81 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion: 75 Resp: 179371
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2
39 42.3 35.7 53.5





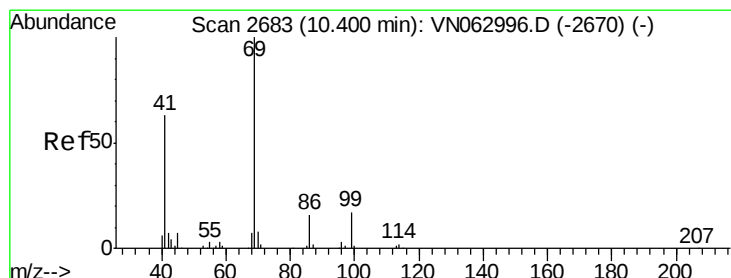
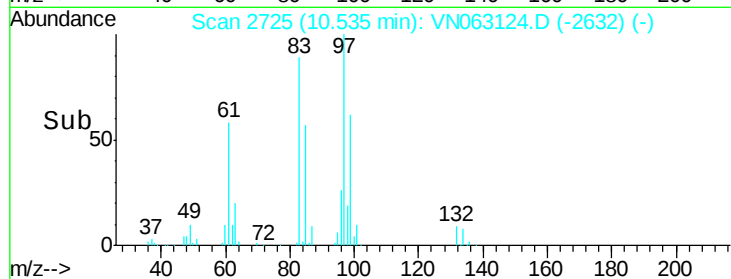
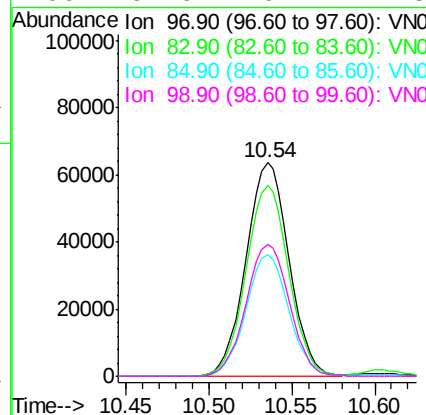
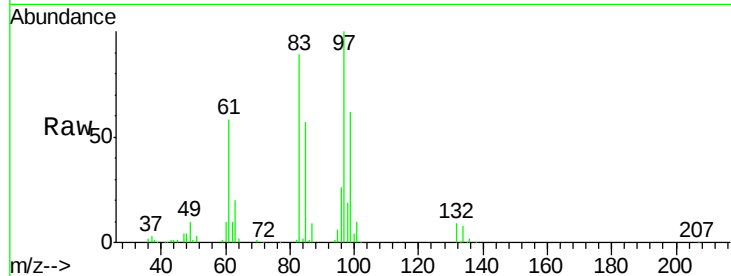
#55
 1,1,2-Trichloroethane
 Concen: 48.492 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		115199		
83	89.2	70.5	105.7		
85	56.8	45.8	68.6		
99	61.6	49.7	74.5		

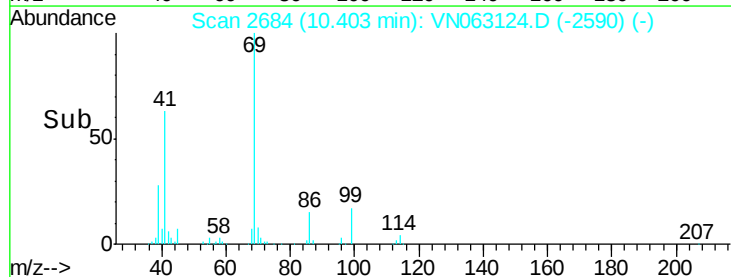
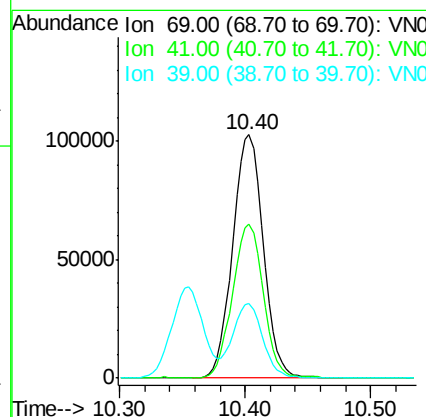
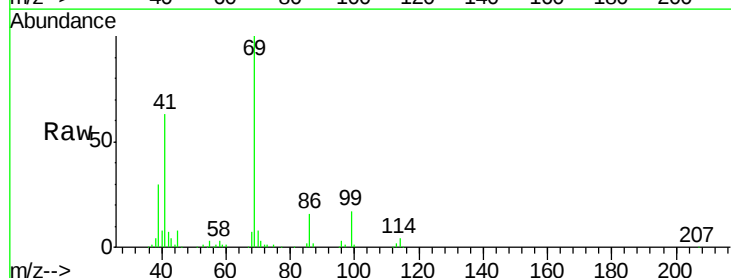
Manual Integrations
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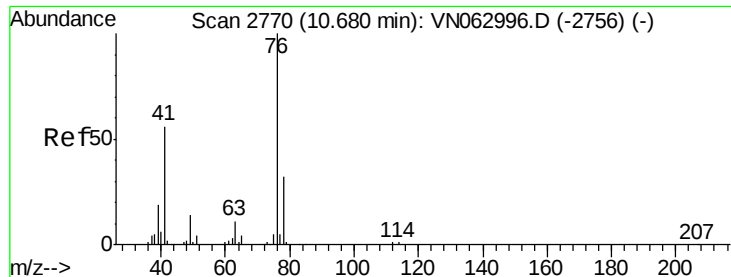
MMDadoda
 8/26/2020 11:27:19 AM



#56
 Ethyl methacrylate
 Concen: 47.597 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		174321		
41	62.8	50.2	75.2		
39	30.4	24.2	36.4		





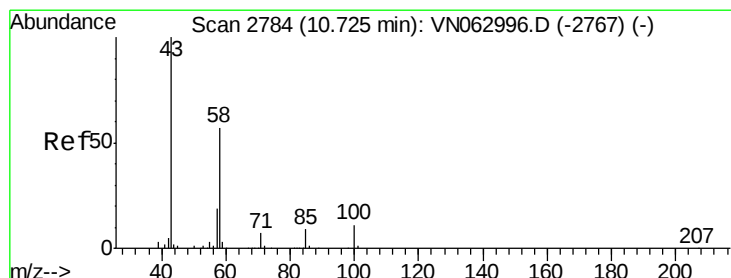
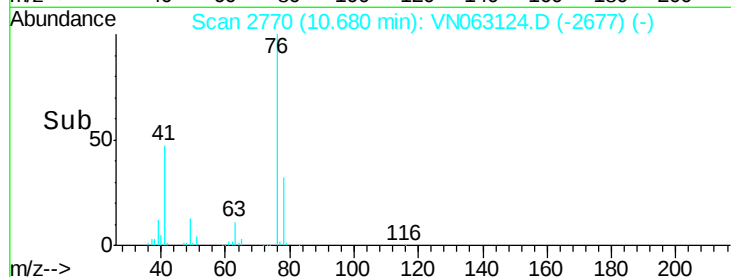
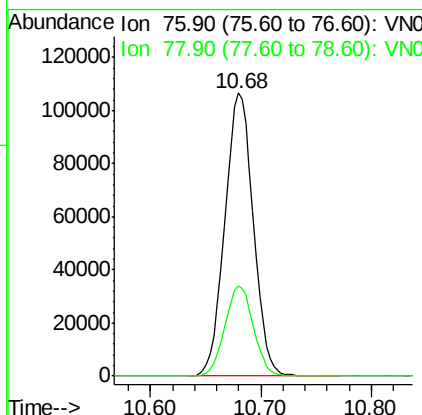
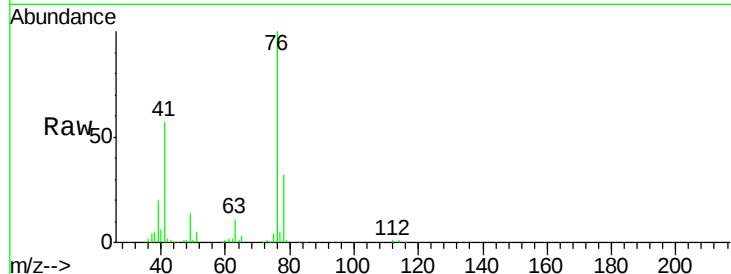
#57
 1,3-Dichloropropane
 Concen: 48.309 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion: 76 Resp: 190573
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

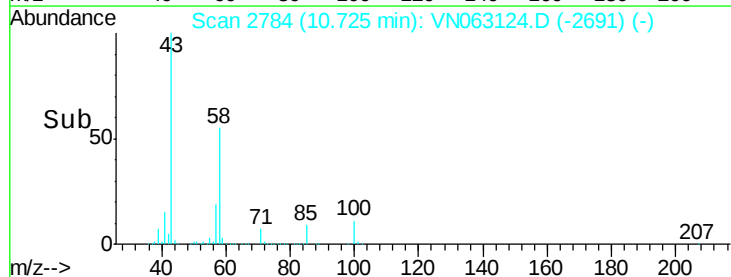
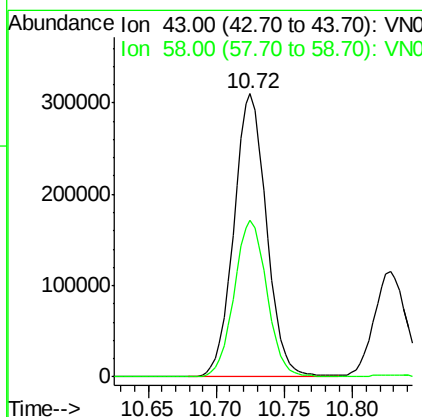
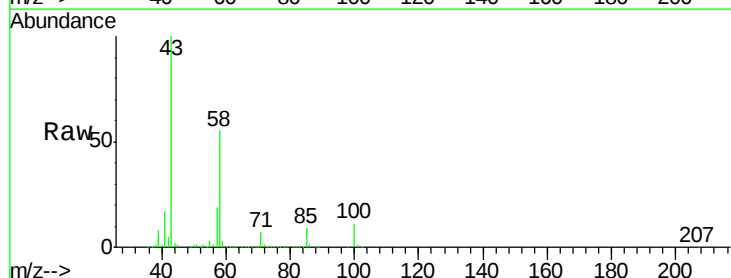
Manual Integrations
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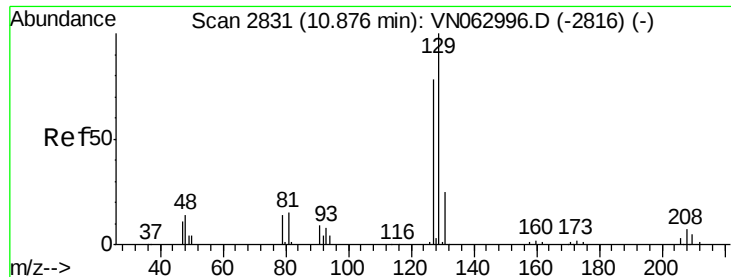
MMDadoda
 8/26/2020 11:27:19 AM



#59
 2-Hexanone
 Concen: 257.521 ug/l
 RT: 10.72 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion: 43 Resp: 511823
 Ion Ratio Lower Upper
 43 100
 58 55.9 28.1 84.3





#60

Dibromochloromethane

Concen: 44.944 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion:129 Resp: 118161

Ion Ratio Lower Upper

129 100

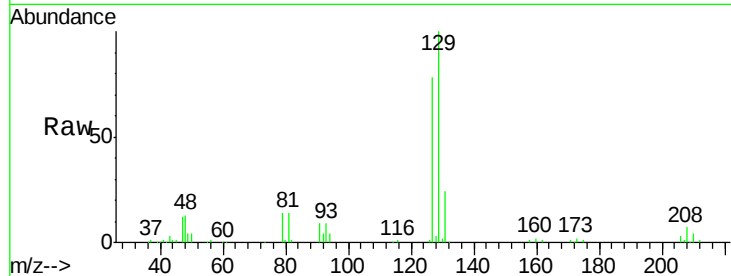
127 77.3 38.4 115.2

Manual Integrations

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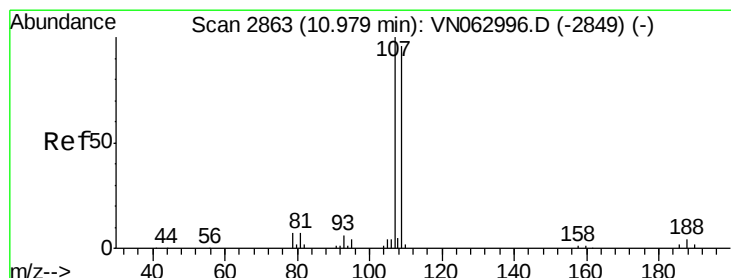
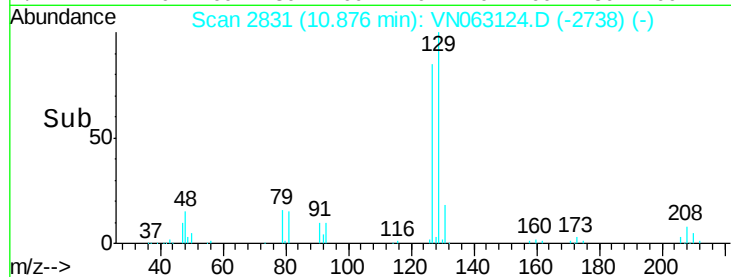
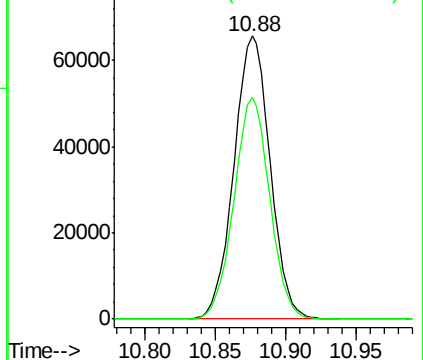
MMDadoda

8/26/2020 11:27:19 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.673 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN063124.D

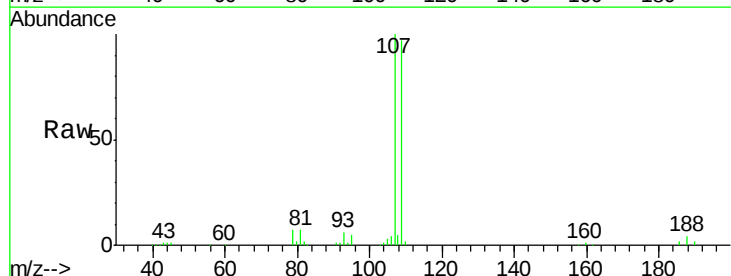
Acq: 25 Aug 2020 20:16

Tgt Ion:107 Resp: 111104

Ion Ratio Lower Upper

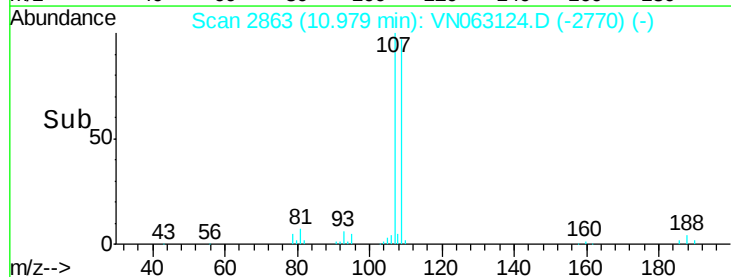
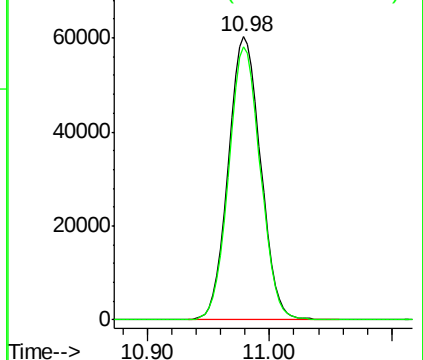
107 100

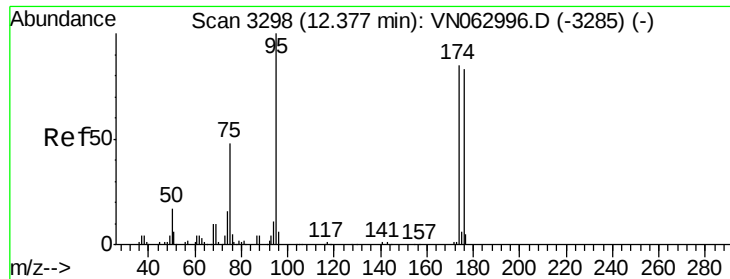
109 94.7 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





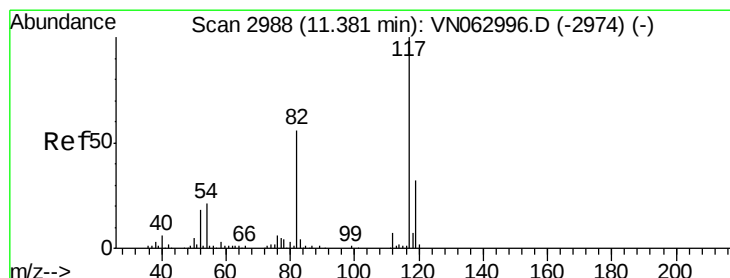
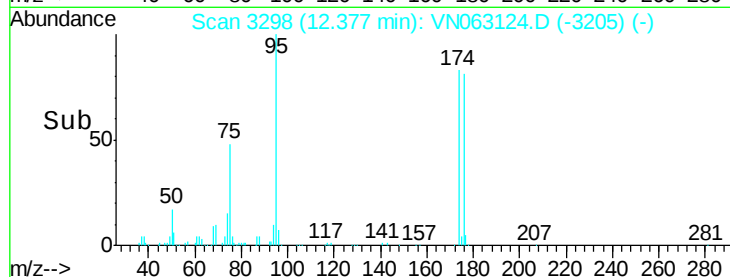
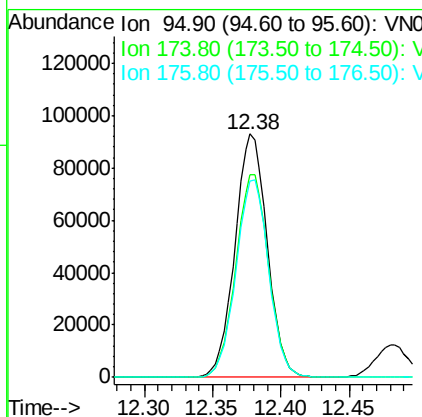
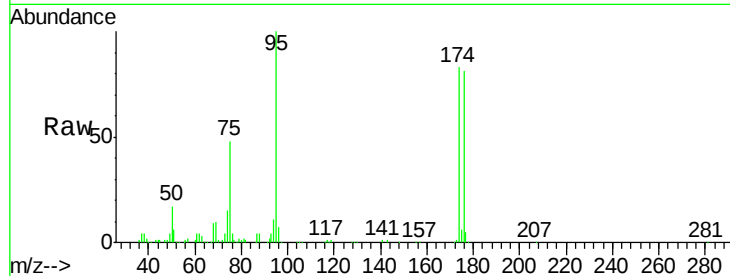
#62
4-Bromofluorobenzene
Concen: 52.442 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	152624		
174	84.9	0.0	170.8	
176	81.9	0.0	164.8	

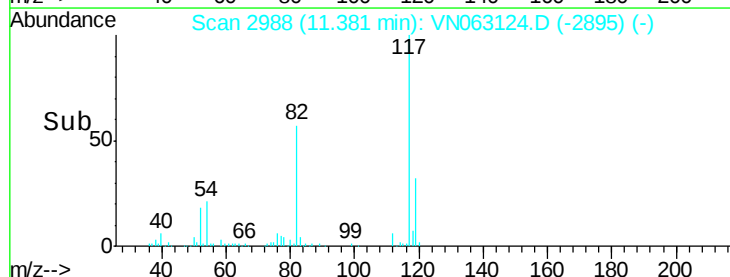
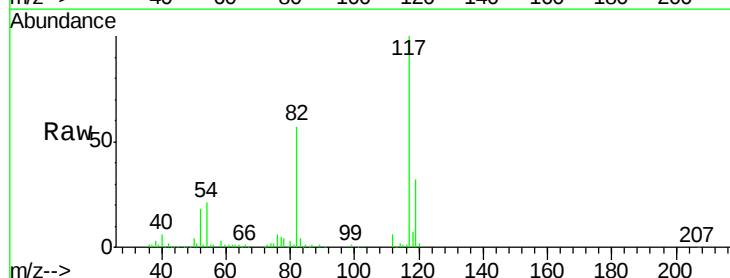
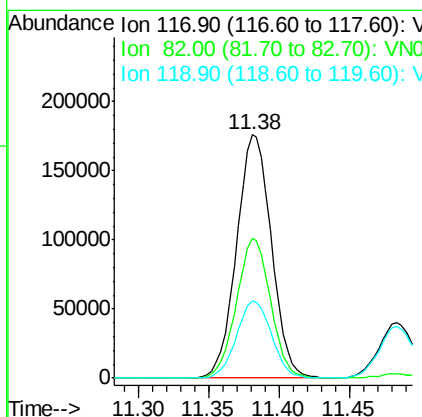
Manual Integrations
APPROVED

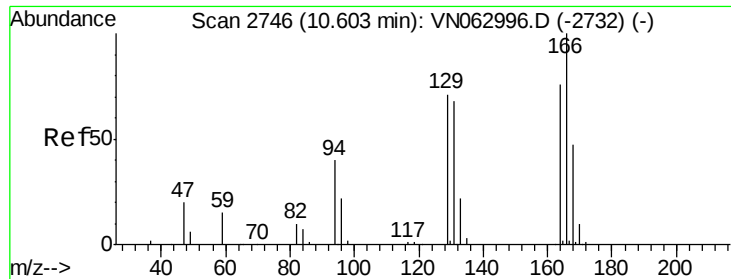
MMDadoda
8/26/2020 11:27:19 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	305210		
82	57.4	44.5	66.7	
119	31.8	25.5	38.3	





#64

Tetrachloroethene

Concen: 76.393 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

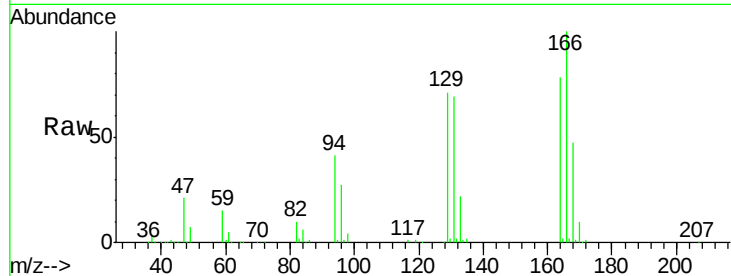
ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion	164	166	129	131
Ratio	100	129.0	91.6	89.2
Lower		105.0	74.7	71.0
Upper		157.6	112.1	106.4

Manual Integrations
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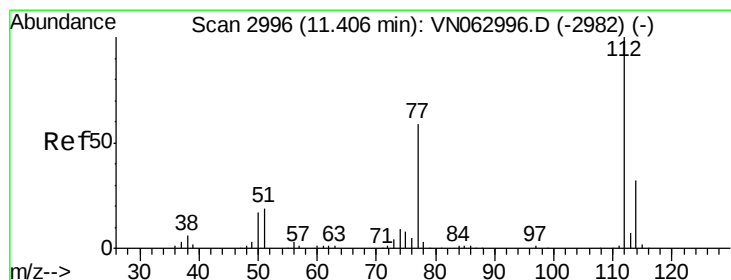
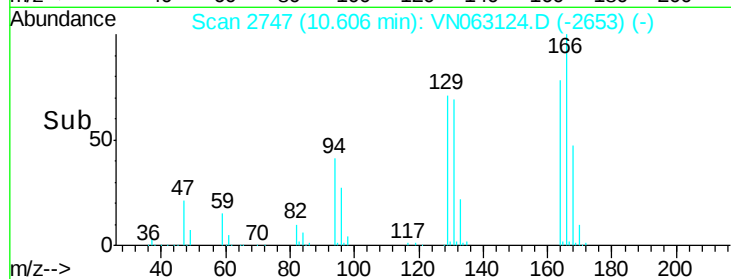
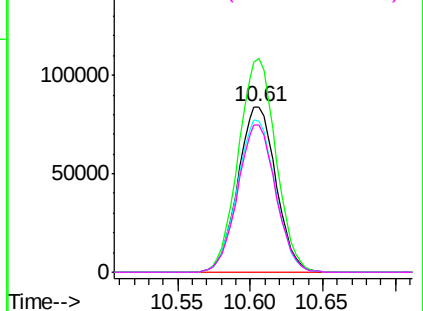
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.759 ug/l

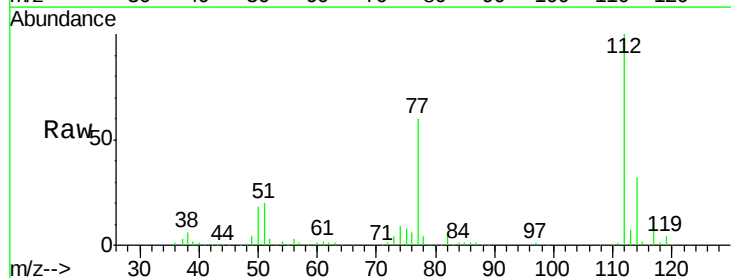
RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

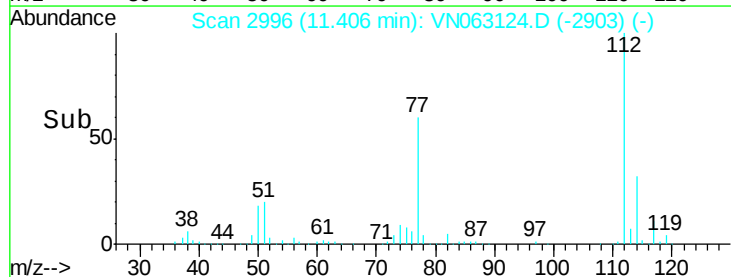
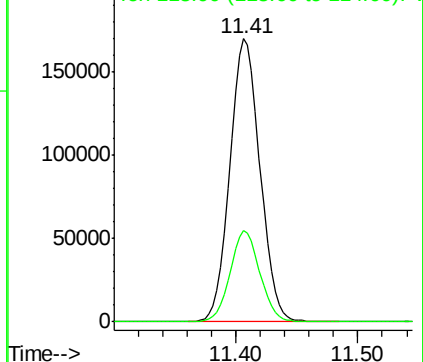
Tgt Ion	112	114
Ratio	100	32.2
Lower		25.3
Upper		37.9

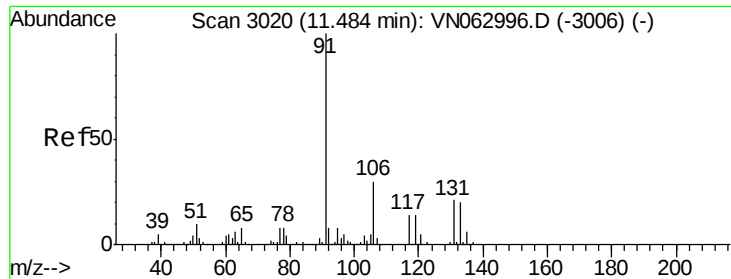


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





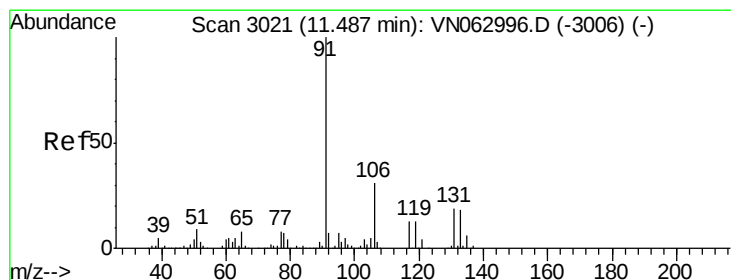
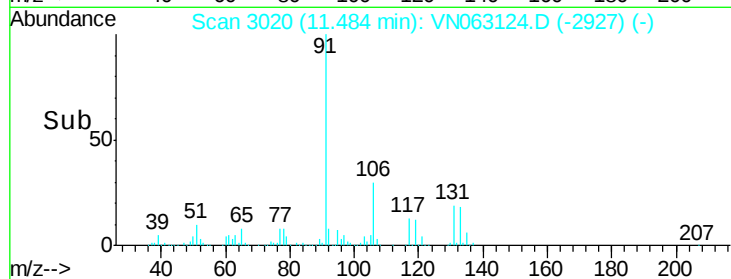
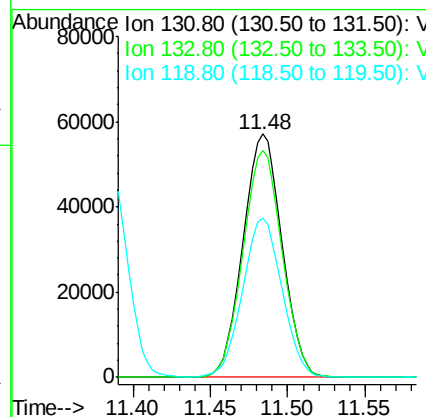
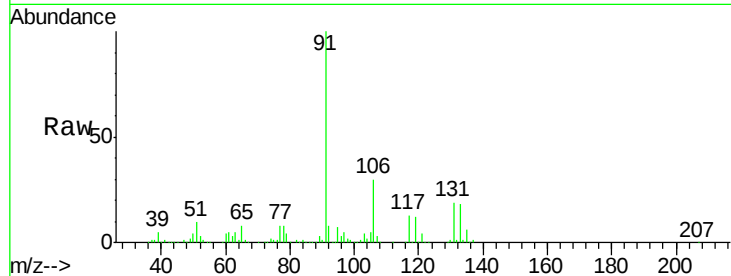
#66
 1,1,1,2-Tetrachloroethane
 Concen: 41.957 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	100034		
133	94.3	47.5	142.6	
119	65.9	33.1	99.3	

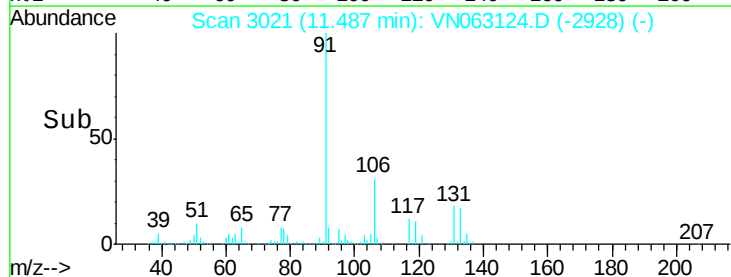
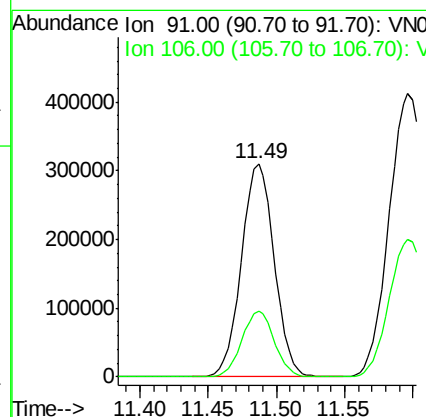
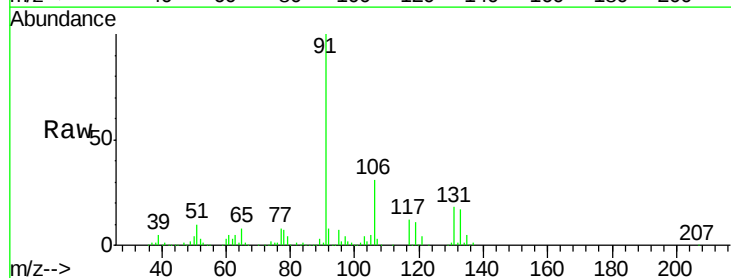
Manual Integrations
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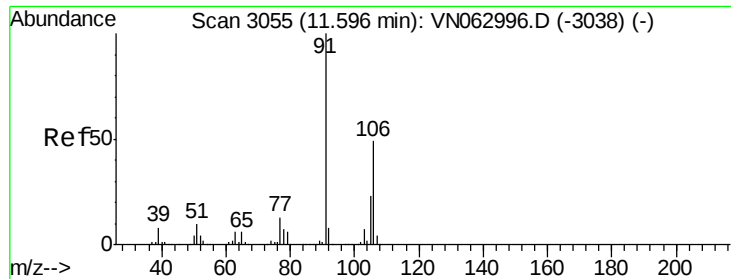
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#67
 Ethyl Benzene
 Concen: 50.044 ug/l
 RT: 11.49 min Scan# 3021
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	518332		
106	30.9	24.6	37.0	





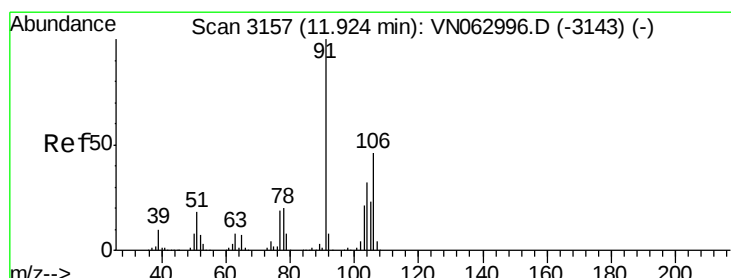
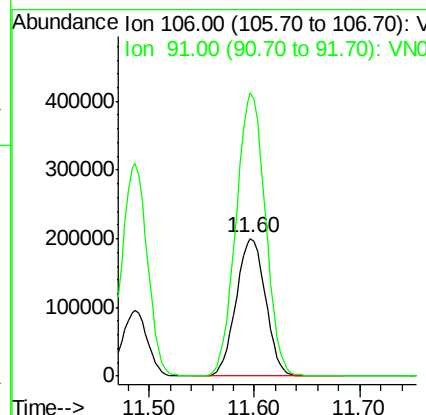
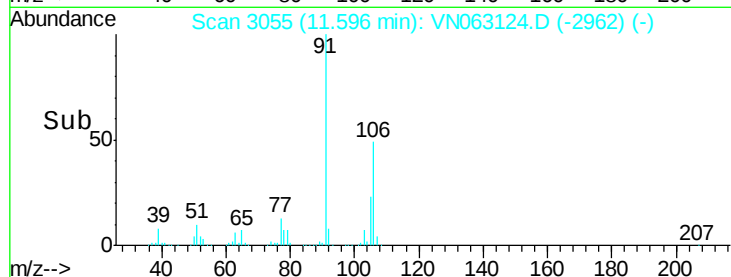
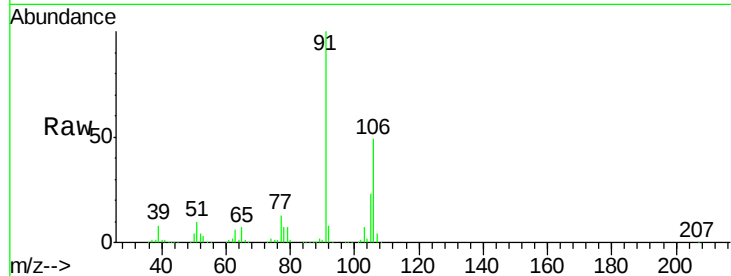
#68
m/p-Xylenes
Concen: 100.763 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		387890		
91	205.0	163.0	244.4		

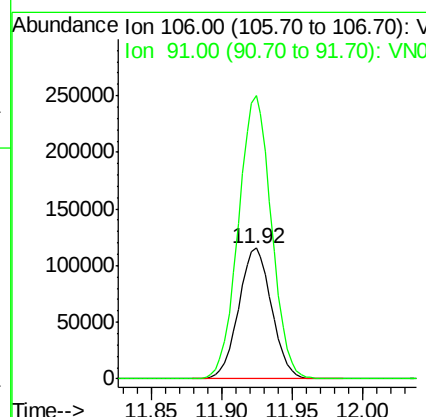
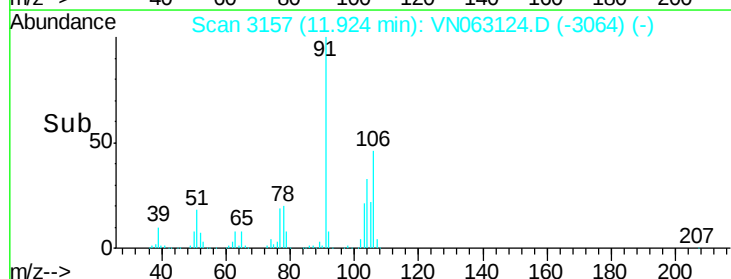
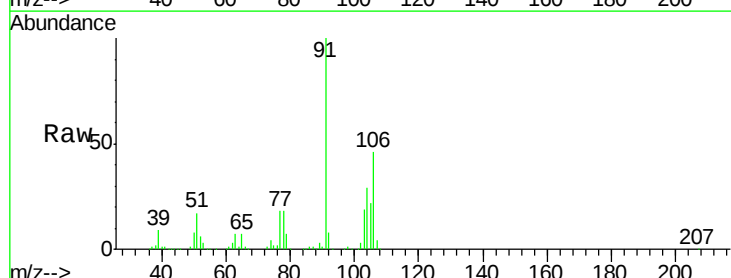
Manual Integrations
APPROVED

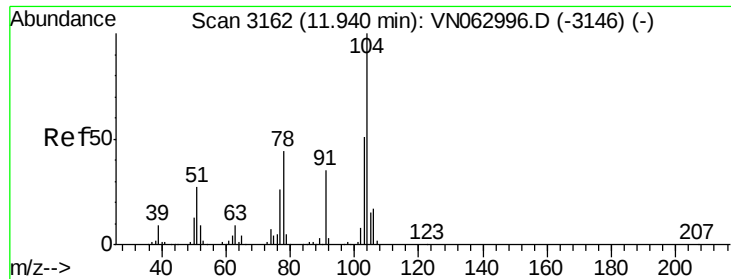
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#69
o-Xylene
Concen: 51.314 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		189689		
91	216.7	107.3	321.9		





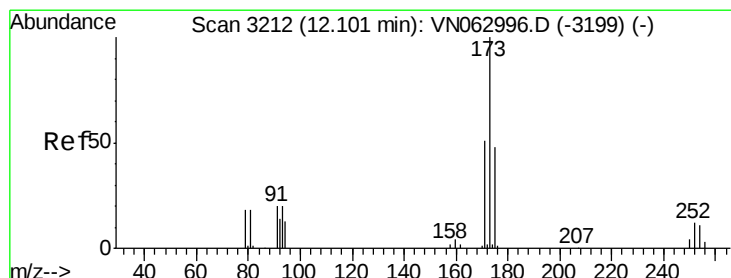
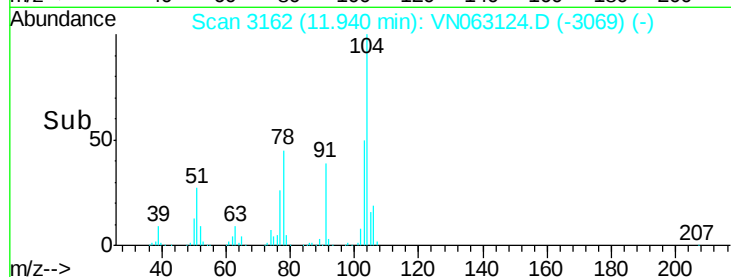
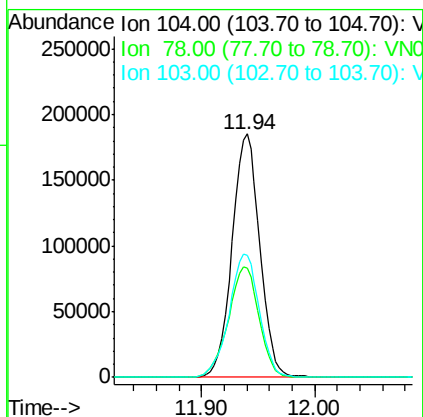
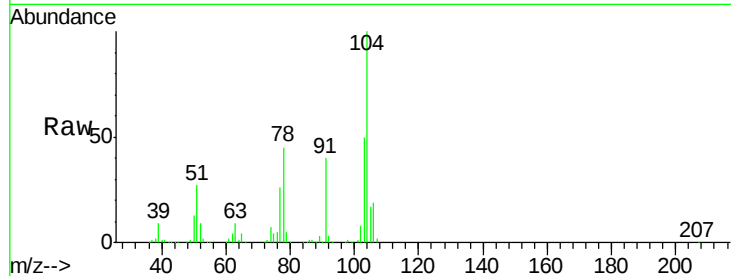
#70
Stvrene
Concen: 43.302 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion:	104	Resp:	315687
Ion Ratio	Lower	Upper	
104	100		
78	50.3	39.0	58.6
103	55.3	44.3	66.5

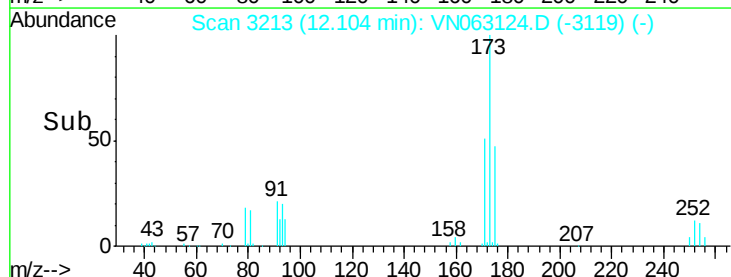
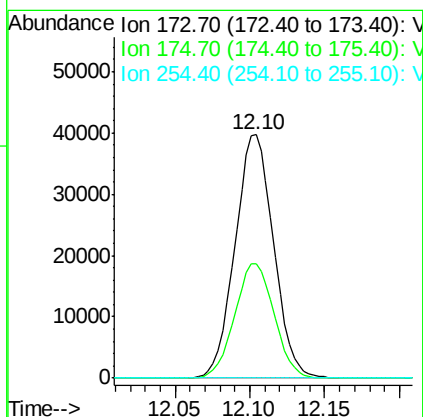
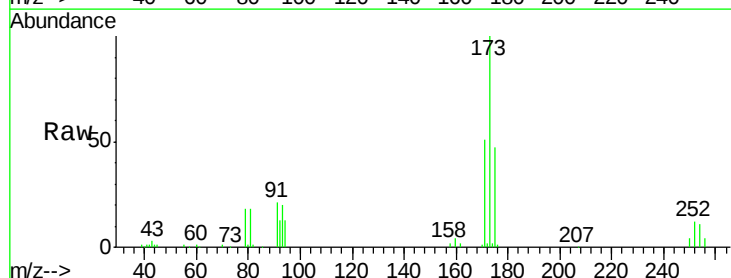
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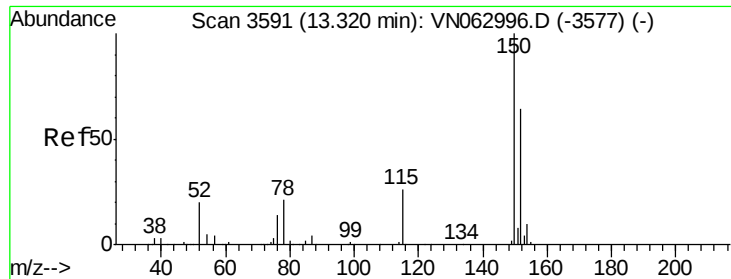
MMDadoda
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#71
Bromoform
Concen: 37.538 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion:	173	Resp:	71237
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.3	72.8
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

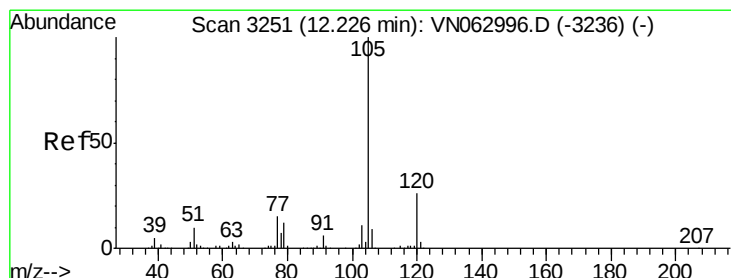
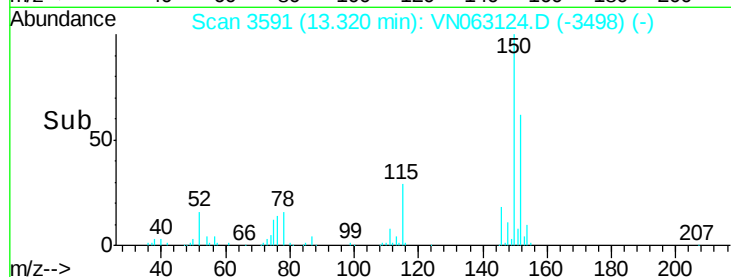
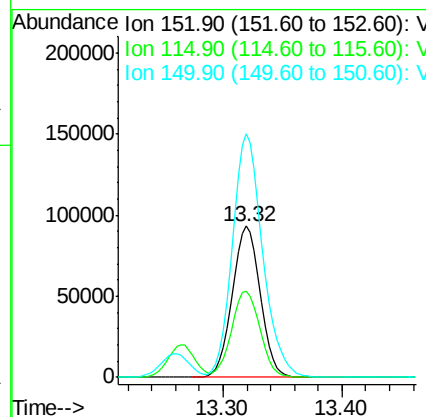
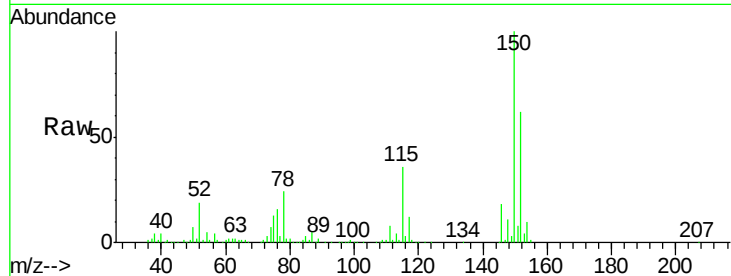
ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion:	152	Resp:	152115
Ion Ratio	Lower	Upper	
152	100		
115	58.2	28.7	86.3
150	173.1	0.0	348.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 48.349 ug/l

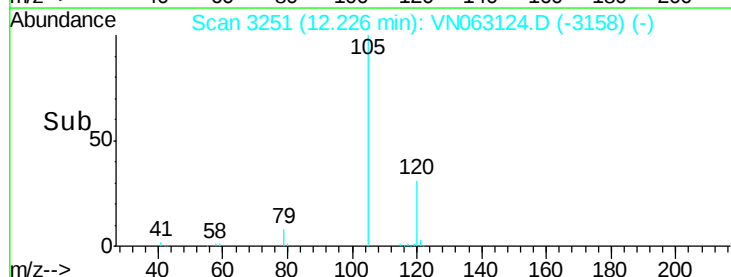
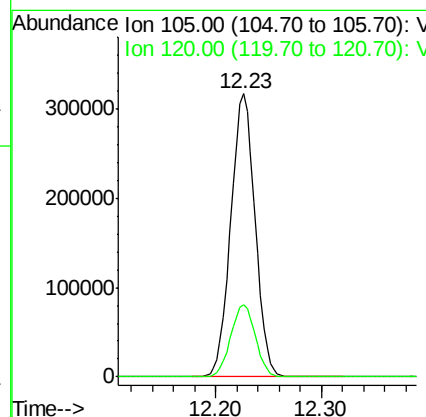
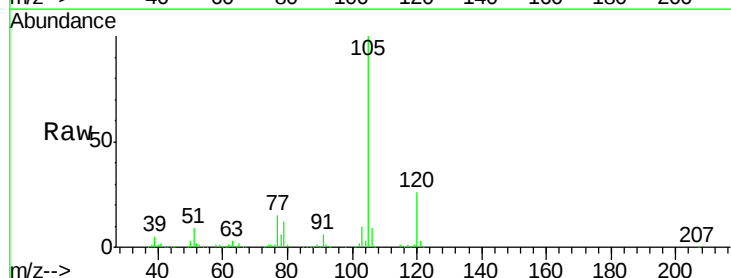
RT: 12.23 min Scan# 3251

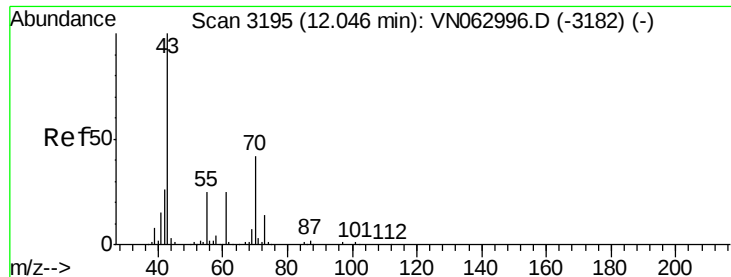
Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Tgt Ion:	105	Resp:	503640
Ion Ratio	Lower	Upper	
105	100		
120	26.0	13.2	39.6





#74

N-amyl acetate

Concen: 54.514 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

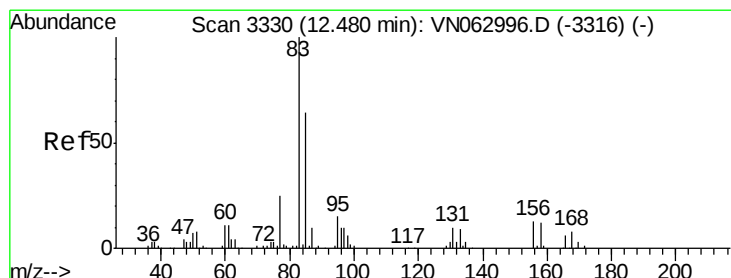
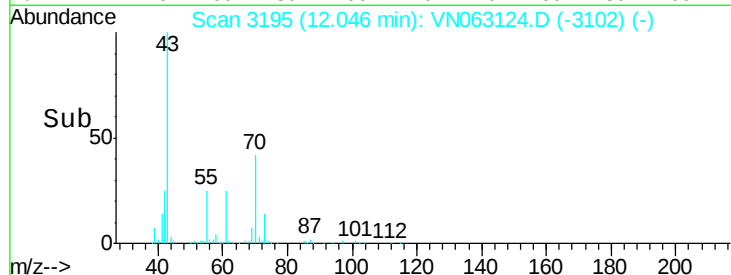
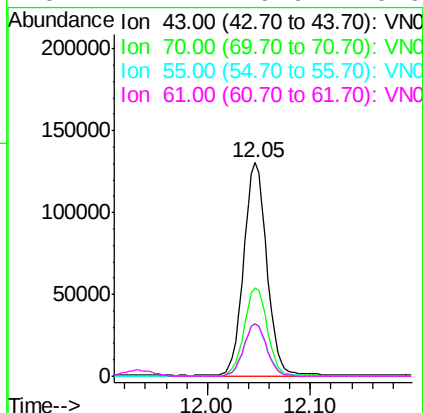
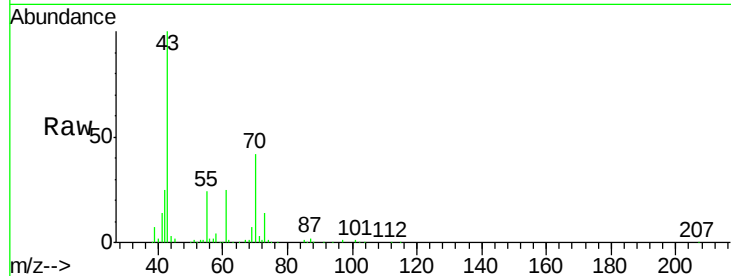
ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		203381		
70	41.6	33.4	50.0		
55	24.4	20.2	30.2		
61	24.7	19.9	29.9		

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#75

1,1,2,2-Tetrachloroethane

Concen: 42.358 ug/l

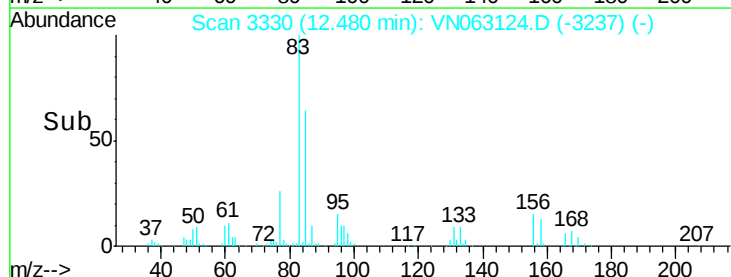
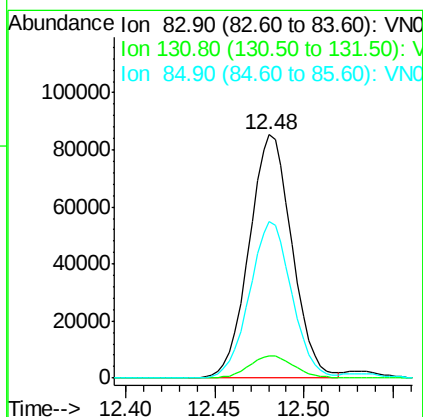
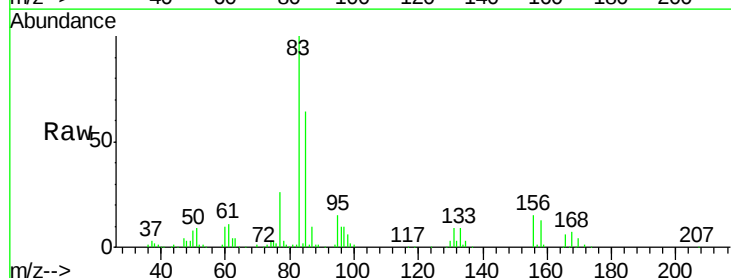
RT: 12.48 min Scan# 3330

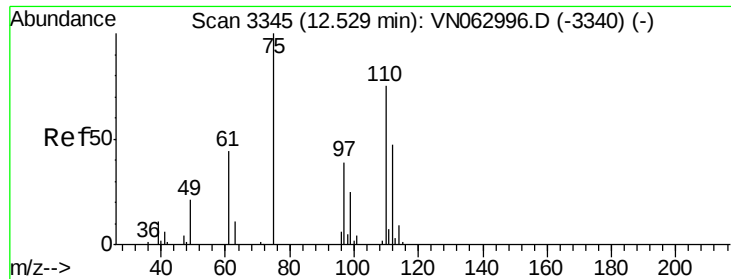
Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		143247		
131	9.6	4.9	14.7		
85	63.3	31.9	95.5		





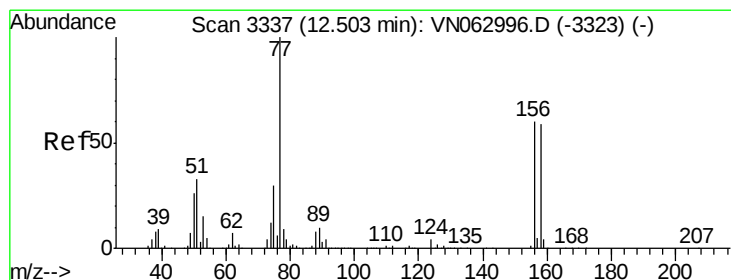
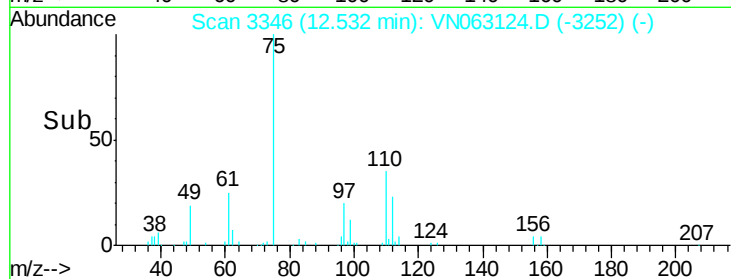
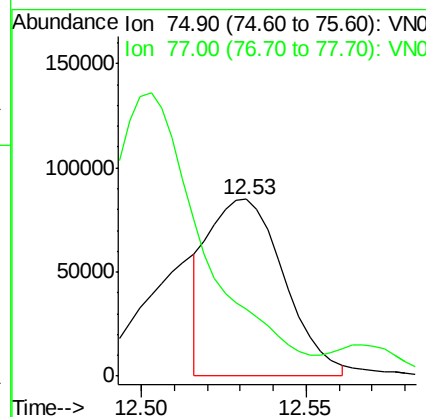
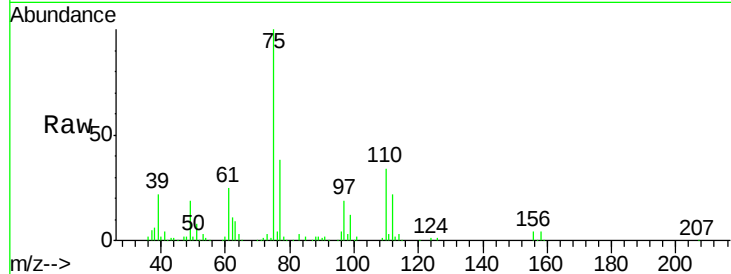
#76
 1,2,3-Trichloropropane
 Concen: 46.156 ug/l m
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion: 75 Resp: 136474
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

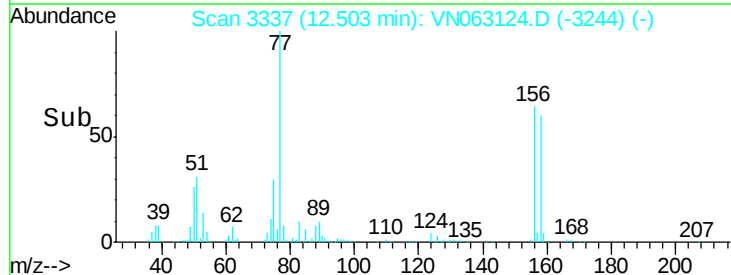
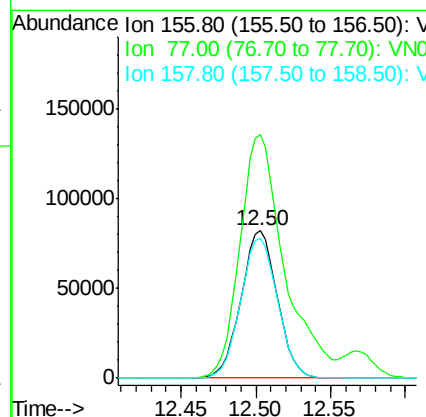
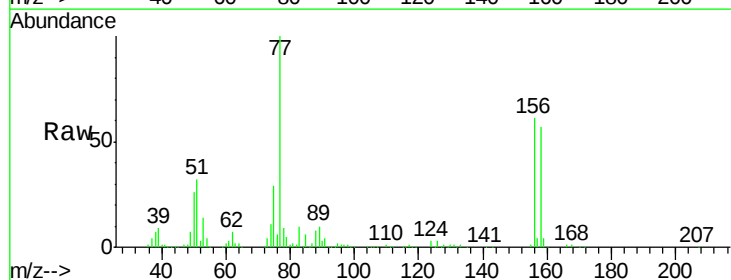
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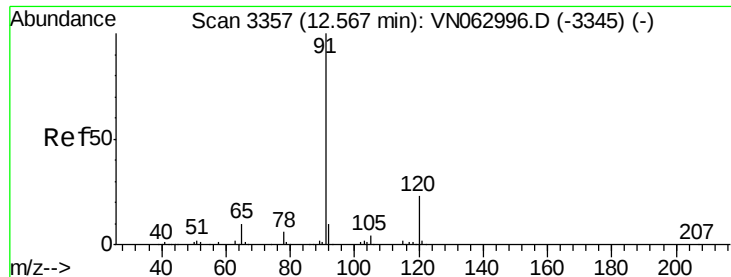
MMDadoda
 8/26/2020 11:27:19 AM



#77
 Bromobenzene
 Concen: 48.516 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion: 156 Resp: 138994
 Ion Ratio Lower Upper
 156 100
 77 203.3 101.0 302.9
 158 96.8 49.4 148.0





#78

n-propylbenzene

Concen: 49.013 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion: 91 Resp: 581948

Ion Ratio Lower Upper

91 100

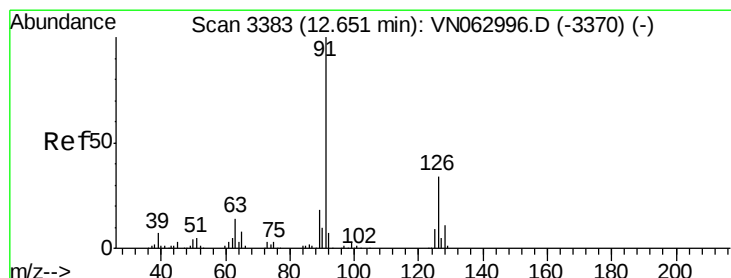
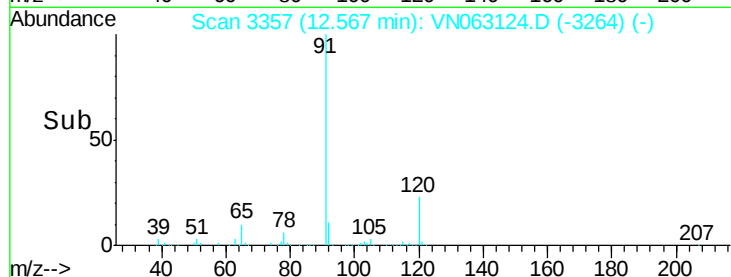
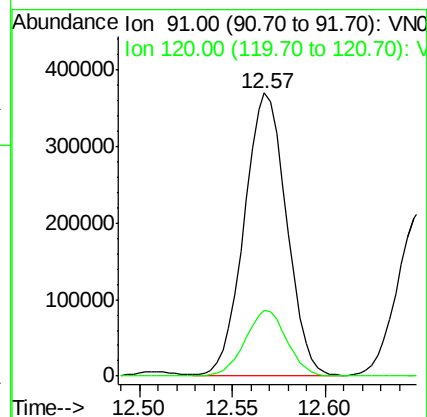
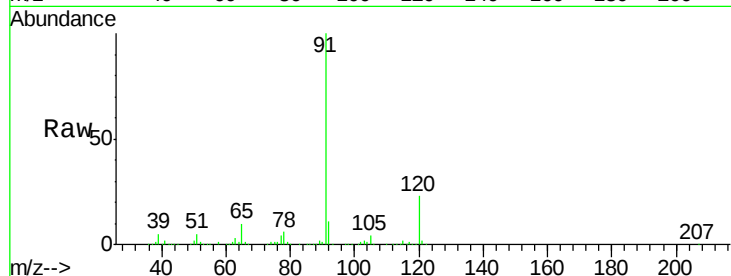
120 23.0 11.4 34.1

Manual Integrations

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#79

2-Chlorotoluene

Concen: 47.507 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN063124.D

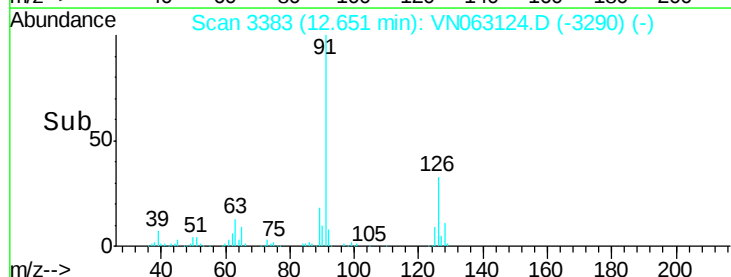
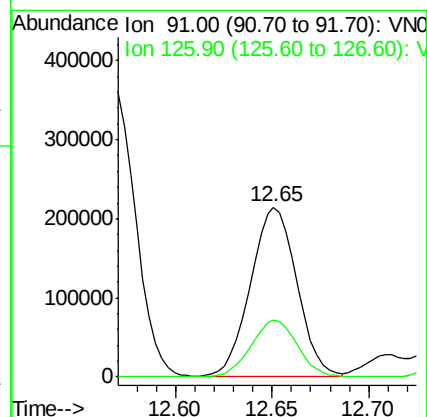
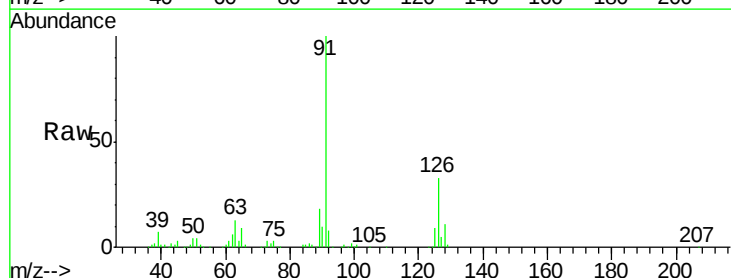
Acq: 25 Aug 2020 20:16

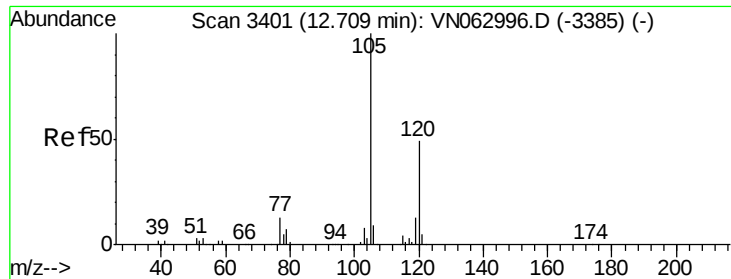
Tgt Ion: 91 Resp: 354793

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2





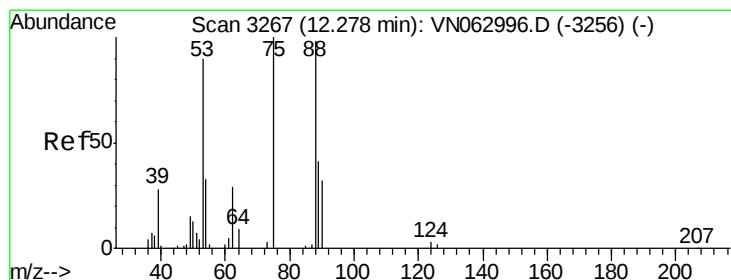
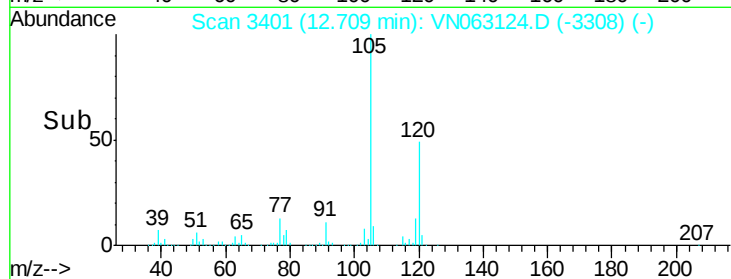
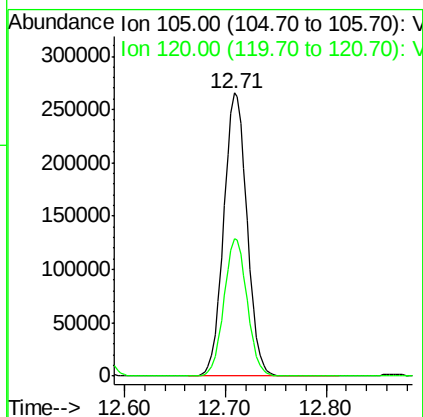
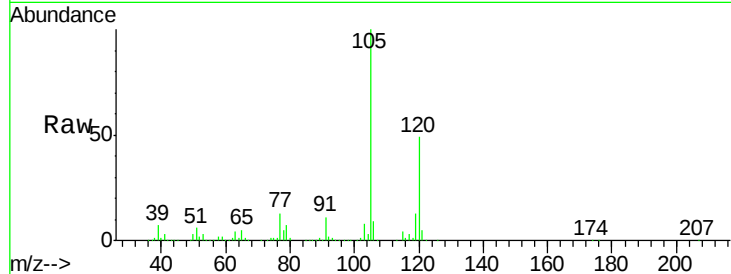
#80
 1,3,5-Trimethylbenzene
 Concen: 49.811 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	72.8

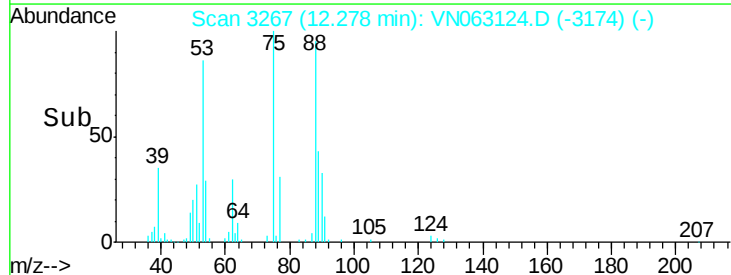
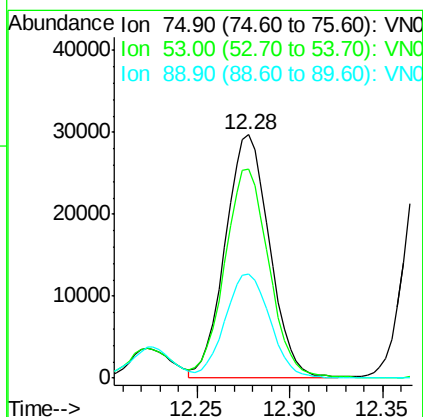
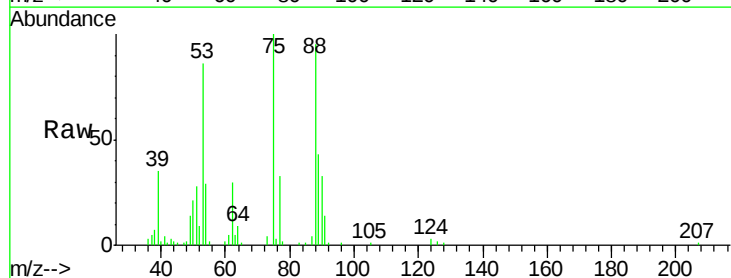
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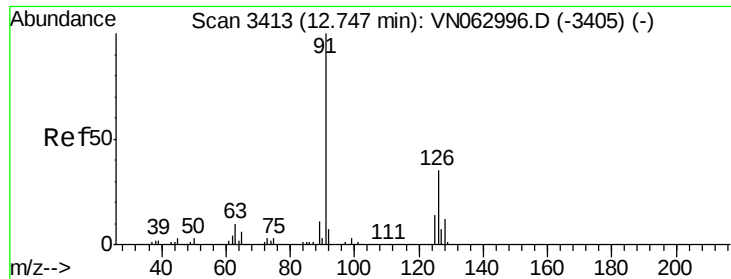
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.809 ug/l
 RT: 12.28 min Scan# 3267
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
75	100		
53	85.7	69.2	103.8
89	43.3	34.2	51.4





#82

4-Chlorotoluene

Concen: 48.862 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MSD

Tot Ion: 91 Resp: 371574

Ion Ratio Lower Upper

91 100

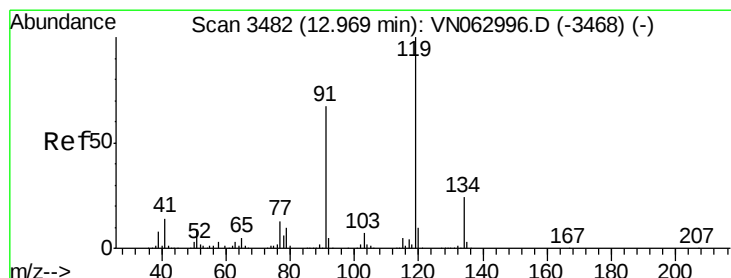
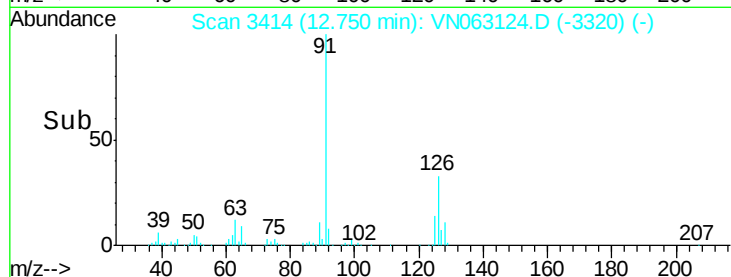
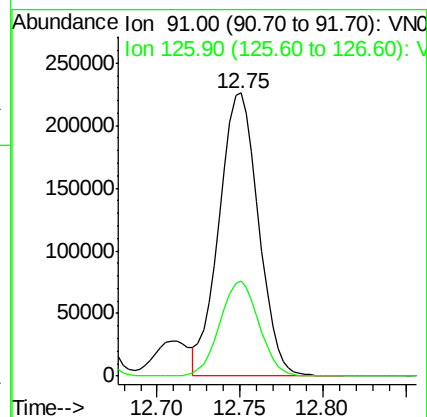
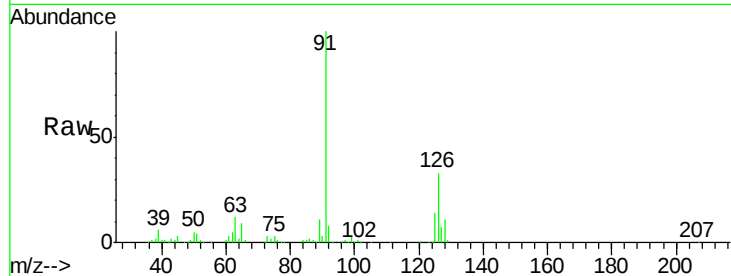
126 33.6 16.5 49.5

Manual Integrations

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#83

tert-Butylbenzene

Concen: 48.644 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

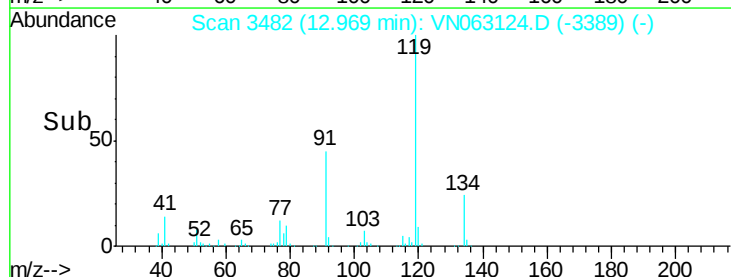
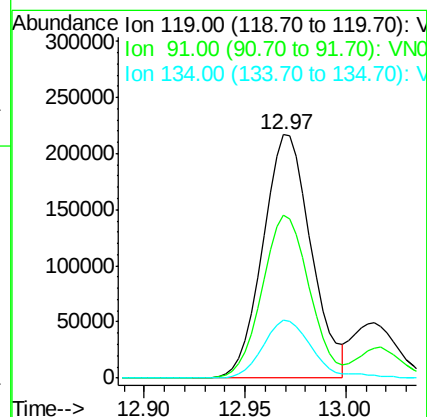
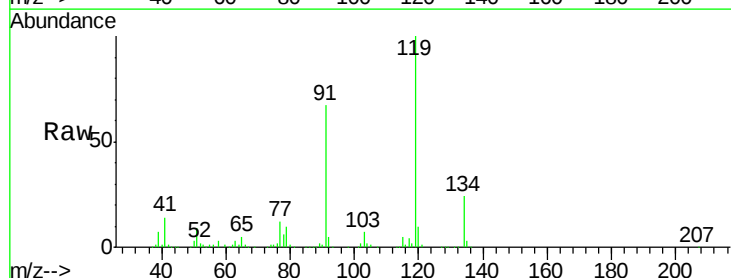
Tgt Ion: 119 Resp: 361534

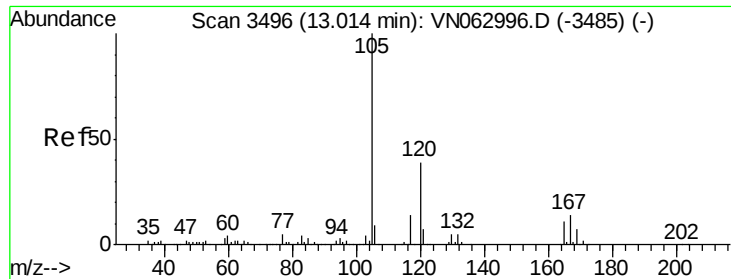
Ion Ratio Lower Upper

119 100

91 65.3 32.5 97.4

134 24.4 13.1 39.3





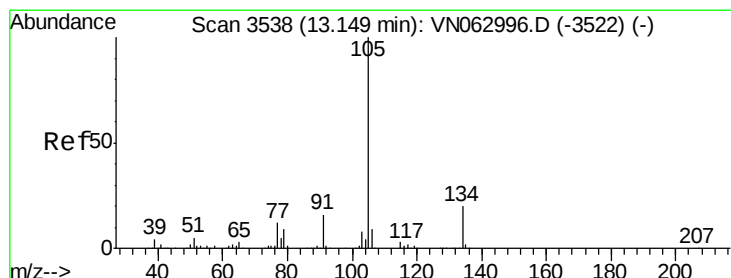
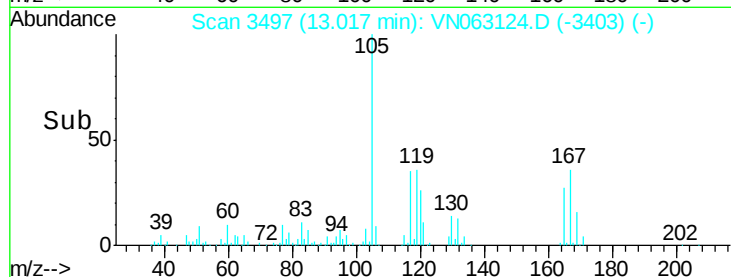
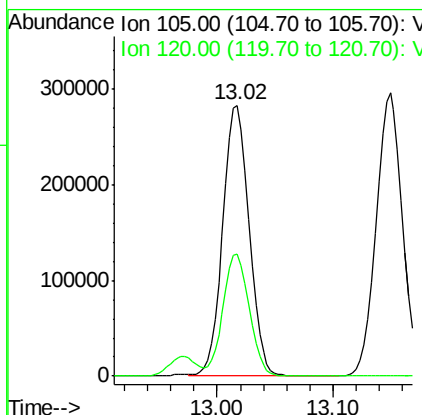
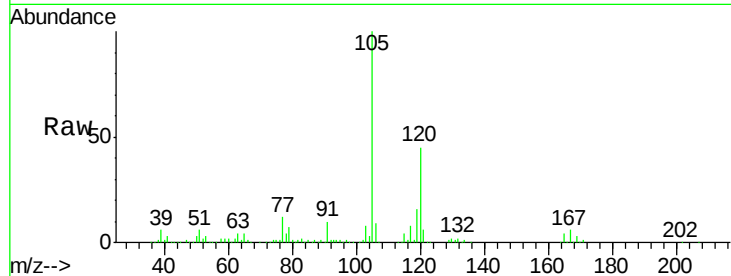
#84
 1,2,4-Trimethylbenzene
 Concen: 52.850 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.5	67.5

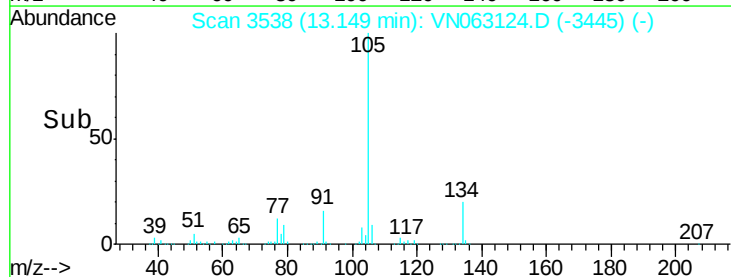
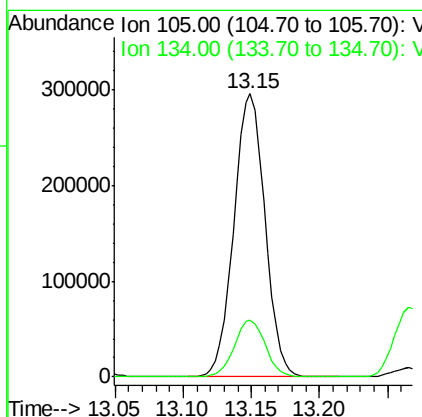
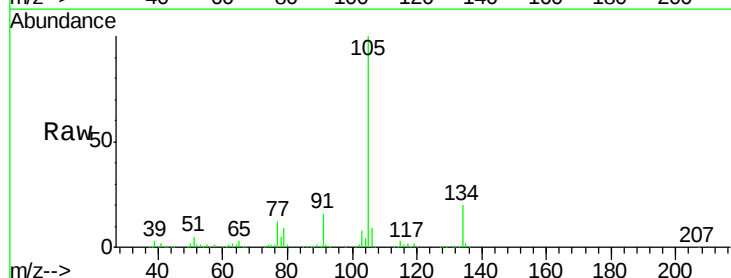
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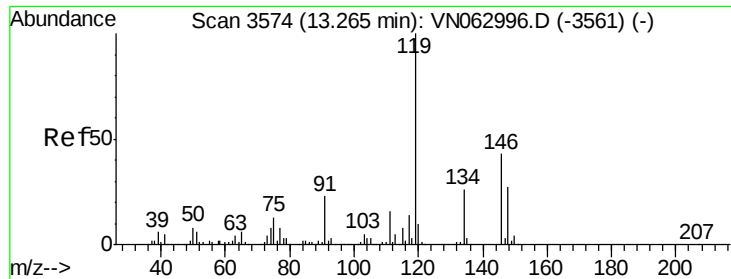
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 8/26/2020 11:27:19 AM



#85
 sec-Butylbenzene
 Concen: 46.480 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.4





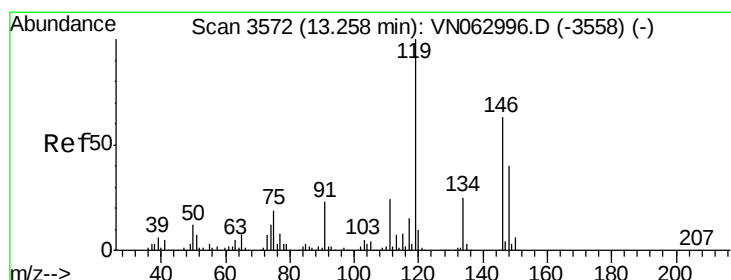
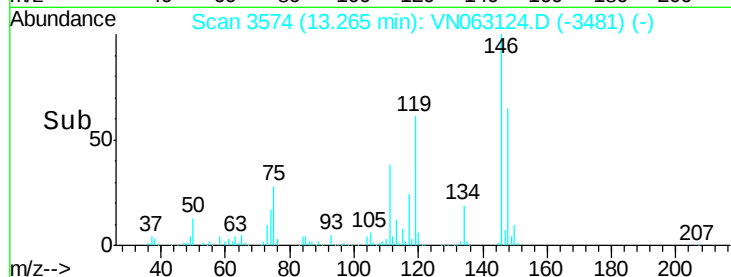
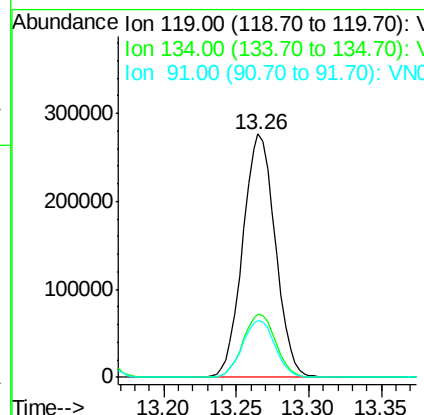
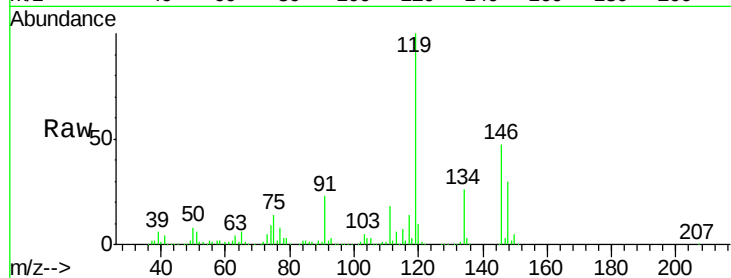
#86
 p-Isopropyltoluene
 Concen: 49.157 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	23.4	11.5	34.4

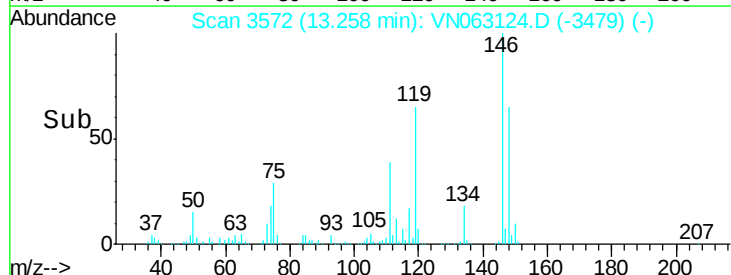
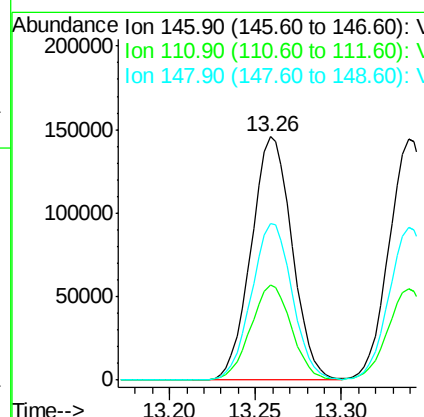
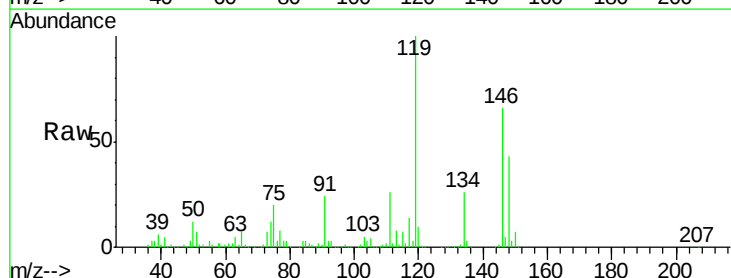
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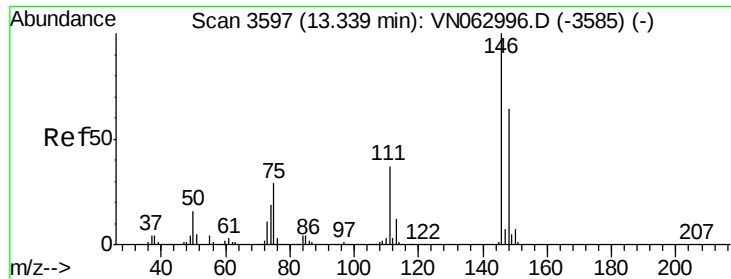
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#87
 1,3-Dichlorobenzene
 Concen: 48.759 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	64.4	32.0	96.0





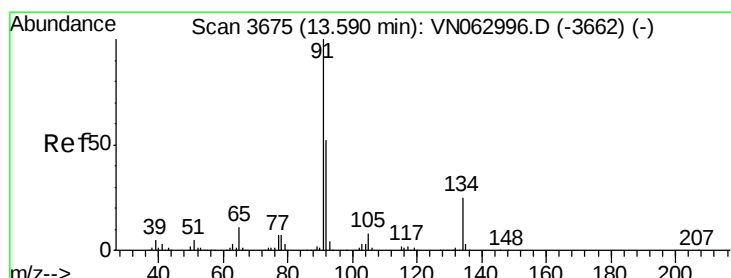
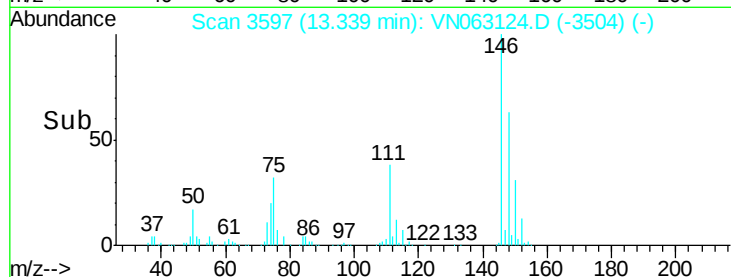
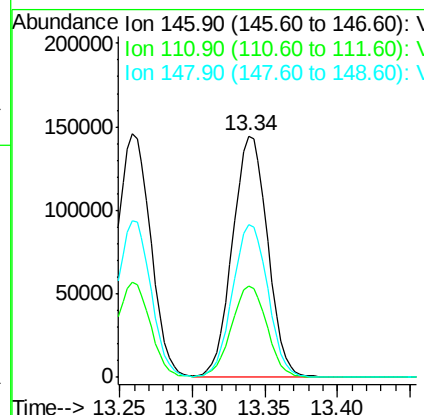
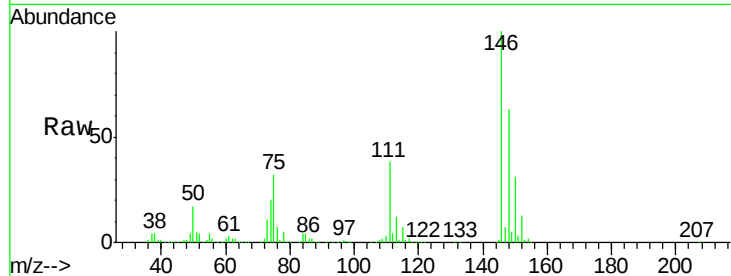
#88
 1,4-Dichlorobenzene
 Concen: 48.617 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	242959		
111	38.1		18.8	56.4
148	64.1		32.4	97.0

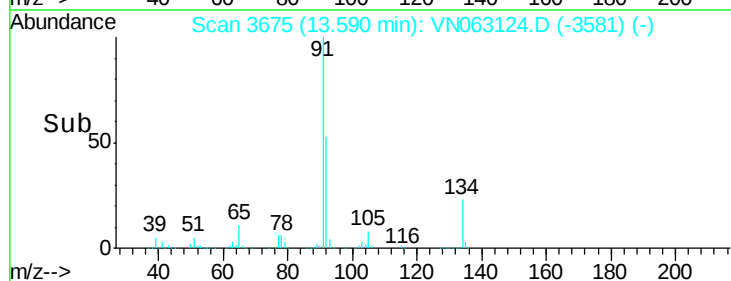
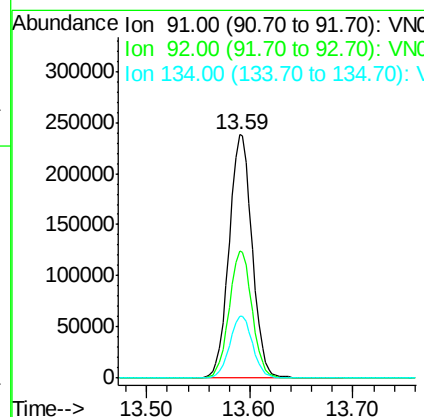
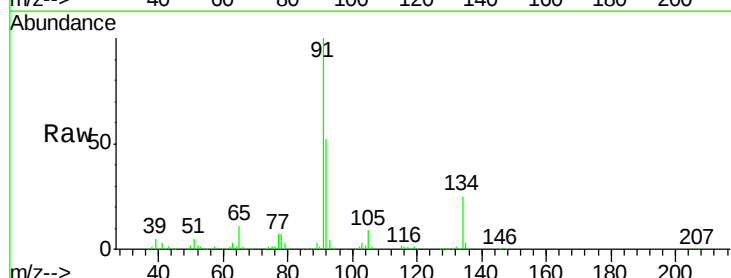
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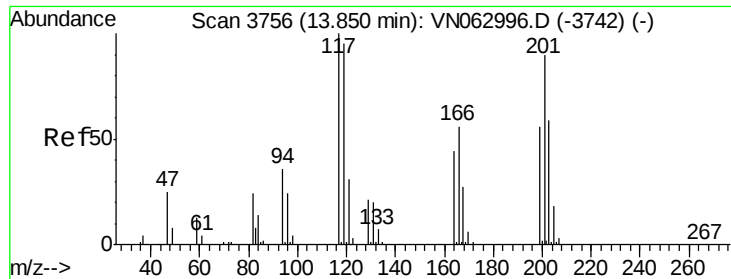
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#89
 n-Butylbenzene
 Concen: 44.951 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	370422		
92	52.0		25.9	77.6
134	25.4		12.4	37.0





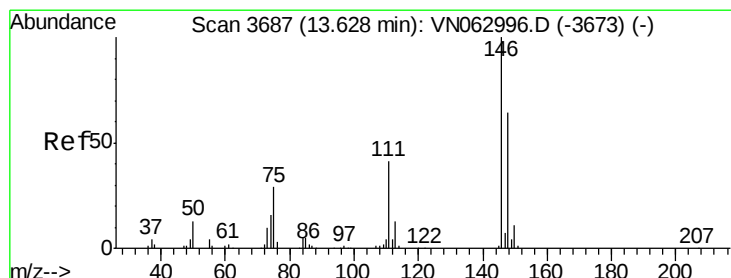
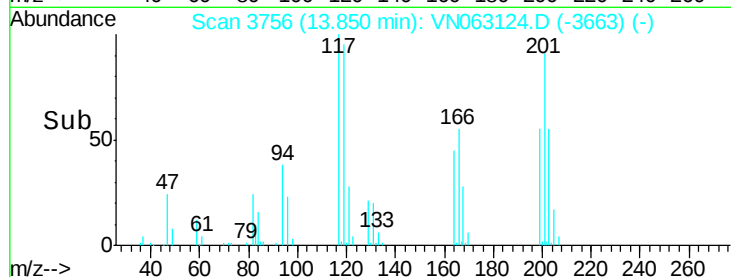
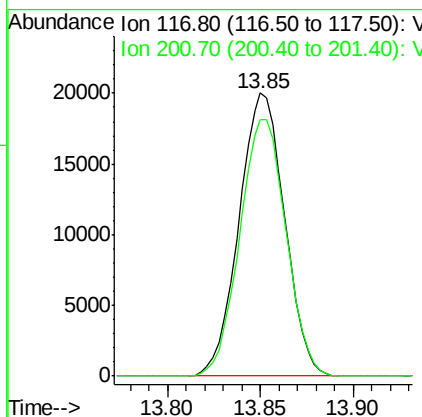
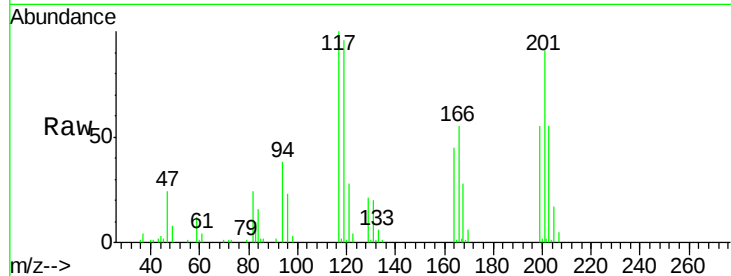
#90
Hexachloroethane
Concen: 18.329 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
117	100		
201	91.9	44.1	132.4

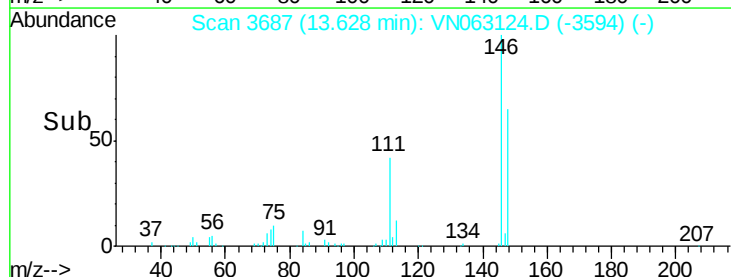
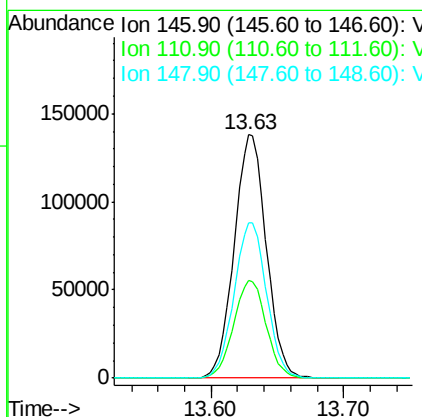
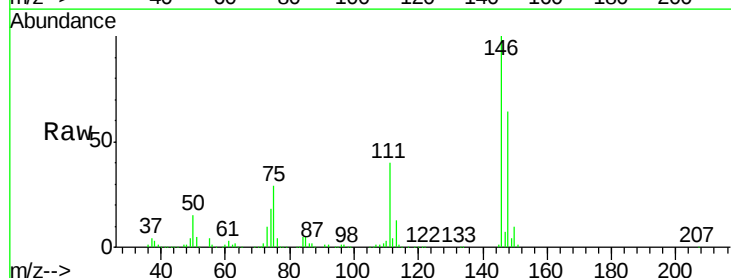
Manual Integrations
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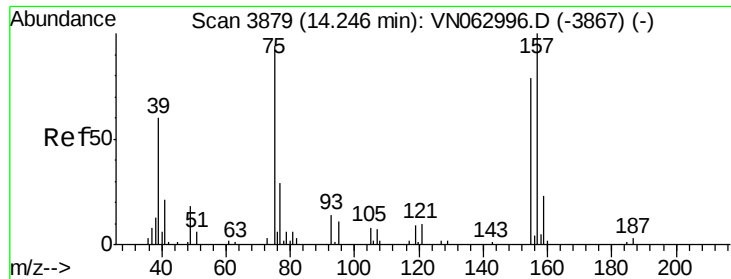
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#91
1,2-Dichlorobenzene
Concen: 48.784 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. 0.00 min
Lab File: VN063124.D
Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.5
148	64.5	31.9	95.5





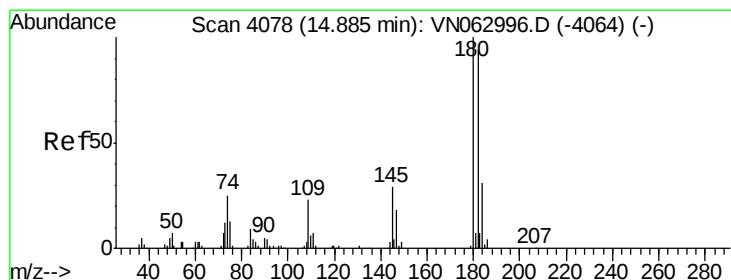
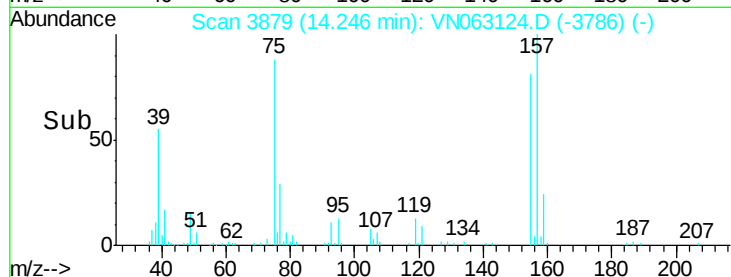
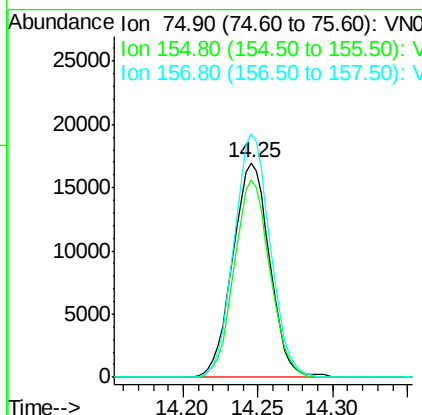
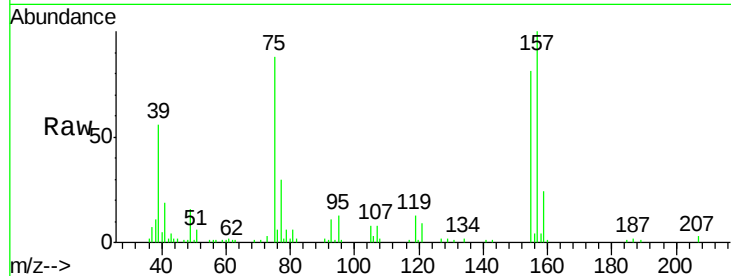
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.822 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	88.3	42.4	127.1
157	110.4	55.2	165.6

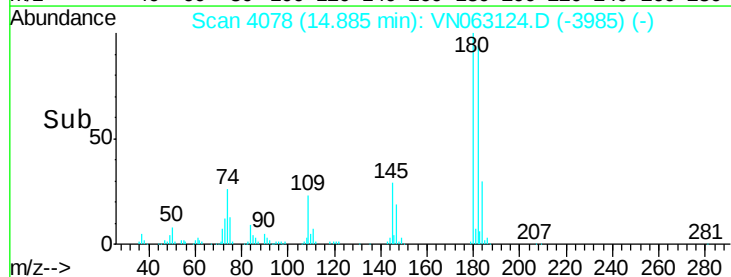
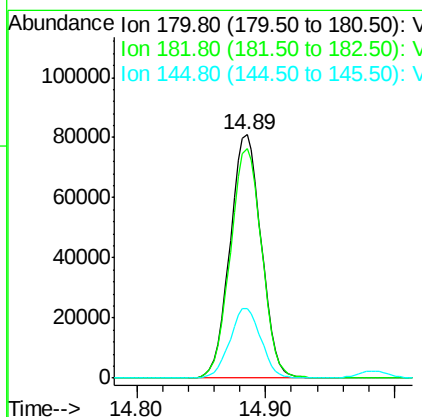
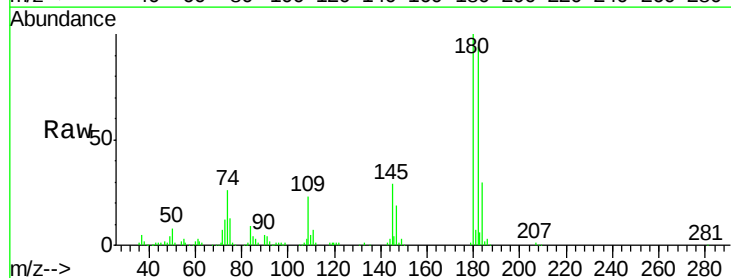
Manual Integrations
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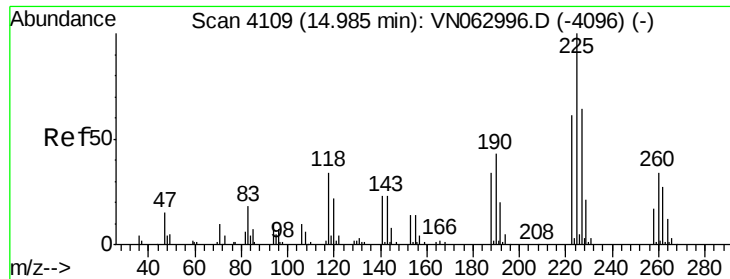
MMDadoda
 8/26/2020 11:27:19 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.486 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.2
145	28.6	14.1	42.4





#94

Hexachlorobutadiene

Concen: 27.803 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN063124.D

Acq: 25 Aug 2020 20:16

Instrument :

MSVOA_N

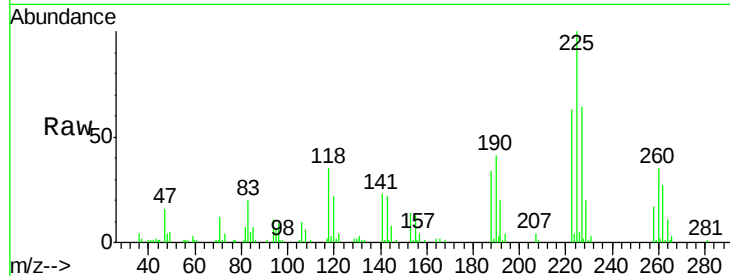
ClientSampleId :

BP-VPB181-GW-498-500MSD

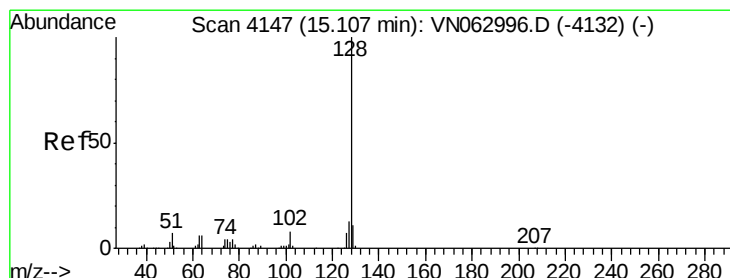
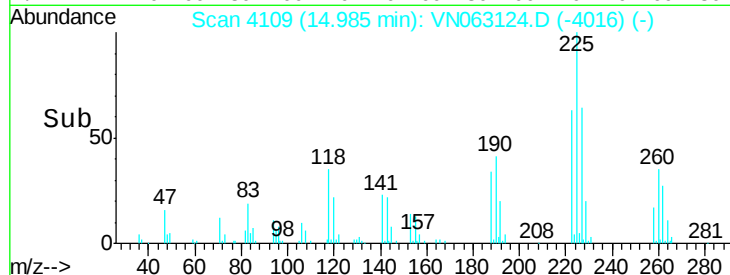
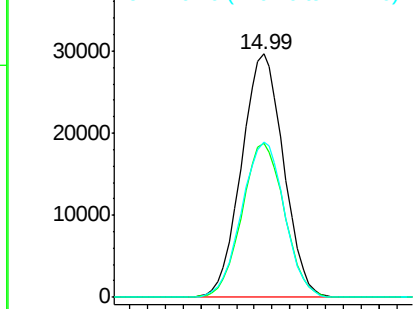
Tot Ion:	225	Resp:	48863
Ion Ratio	Lower	Upper	
225	100		
223	63.8	30.9	92.5
227	64.9	31.9	95.9

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



#95

Naphthalene

Concen: 65.310 ug/l

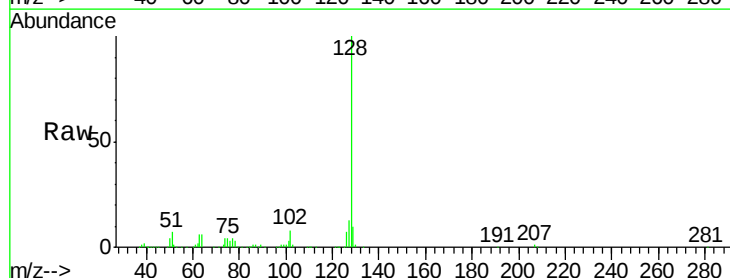
RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

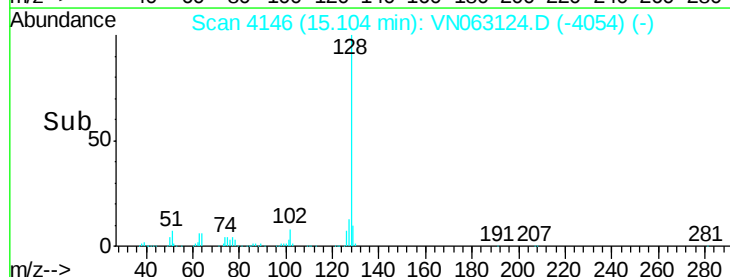
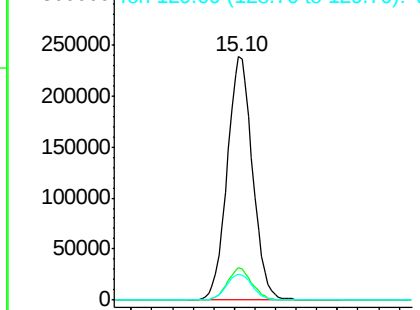
Lab File: VN063124.D

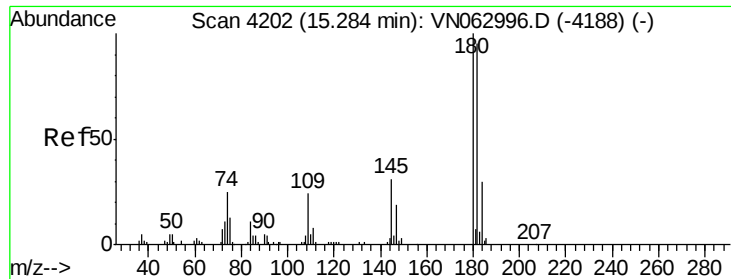
Acq: 25 Aug 2020 20:16

Tgt Ion:	128	Resp:	408202
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.8	8.9	13.3



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





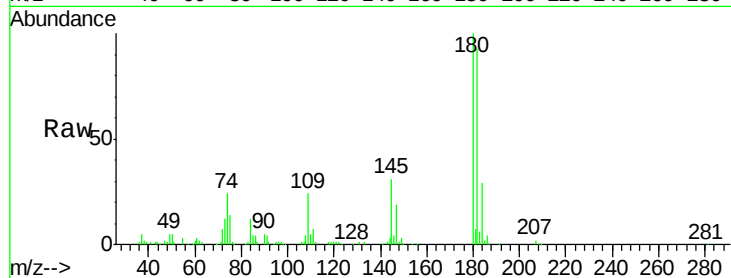
#96
 1,2,3-Trichlorobenzene
 Concen: 51.838 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN063124.D
 Acq: 25 Aug 2020 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.4	47.3	141.9
145	31.1	15.6	46.7

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

