

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064541.D
 Acq On : 10 Nov 2020 21:26
 Operator : JC/MD
 Sample : L4684-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:02:10 PM

Quant Time: Nov 11 03:37:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	320605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	570964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	531395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	254690	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	273265	48.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.86%	
35) Dibromofluoromethane	7.55	113	189944	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
50) Toluene-d8	10.06	98	708999	47.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.38	95	266775	46.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.84	85	194717	46.656	ug/l	100
3) Chloromethane	2.04	50	226535	44.688	ug/l	98
4) Vinyl Chloride	2.17	62	245895	47.236	ug/l	97
5) Bromomethane	2.53	94	152982	46.002	ug/l	98
6) Chloroethane	2.68	64	162135	48.647	ug/l	97
7) Trichlorofluoromethane	2.99	101	386292	50.395	ug/l	98
8) Diethyl Ether	3.38	74	136858	50.559	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	177110	48.656	ug/l	99
10) Methyl Iodide	3.91	142	218837	51.739	ug/l	99
11) Tert butyl alcohol	4.75	59	153258	248.857	ug/l	100
12) 1,1-Dichloroethene	3.70	96	222589	64.918	ug/l	99
13) Acrolein	3.57	56	133959	350.675	ug/l	95
14) Allyl chloride	4.28	41	314738	46.924	ug/l	99
15) Acrylonitrile	4.94	53	449420	262.115	ug/l	99
16) Acetone	3.78	43	422376	198.558	ug/l	97
17) Carbon Disulfide	4.01	76	488186	47.610	ug/l	97
18) Methyl Acetate	4.28	43	202078	48.320	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	612156	49.605	ug/l #	87
20) Methylene Chloride	4.50	84	210749	49.934	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	186820	47.987	ug/l	99
22) Diisopropyl ether	5.91	45	729786	51.256	ug/l	98
23) Vinyl Acetate	5.85	43	2867235	247.545	ug/l	99
24) 1,1-Dichloroethane	5.80	63	579280	74.040	ug/l	99
25) 2-Butanone	6.79	43	632600	233.399	ug/l	97
26) 2,2-Dichloropropane	6.78	77	298446	42.138	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	219818	48.727	ug/l	96
28) Bromochloromethane	7.15	49	179702	46.728	ug/l	98
29) Tetrahydrofuran	7.17	42	418927	251.929	ug/l	99
30) Chloroform	7.33	83	407326	49.528	ug/l	97
31) Cyclohexane	7.62	56	305783	45.044	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	392165	53.763	ug/l	99
36) 1,1-Dichloropropene	7.75	75	296327	49.127	ug/l	98
37) Ethyl Acetate	6.89	43	273109	44.694	ug/l	100
38) Carbon Tetrachloride	7.74	117	324119	50.278	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	259206	47.938	ug/l	98
40) Benzene	8.00	78	2927842	165.186	ug/l	100
41) Methacrylonitrile	7.13	41	135847	50.799	ug/l	92
42) 1,2-Dichloroethane	8.09	62	532471	74.441	ug/l	99
43) Isopropyl Acetate	8.13	43	481975	49.306	ug/l	99
44) Trichloroethene	8.80	130	216971	48.519	ug/l	100
45) 1,2-Dichloropropane	9.09	63	235384	49.771	ug/l	95
46) Dibromomethane	9.18	93	159014	51.076	ug/l	98
47) Bromodichloromethane	9.37	83	344339	51.439	ug/l	98
48) Methyl methacrylate	9.17	41	250684	50.822	ug/l	99
49) 1,4-Dioxane	9.17	88	68828	1059.405	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	1466528	257.261	ug/l	99
52) Toluene	10.13	92	548826	50.768	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	350999	49.458	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	357032	47.053	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	215366	51.082	ug/l	99
56) Ethyl methacrylate	10.40	69	313904	45.428	ug/l	99
57) 1,3-Dichloropropane	10.68	76	372287	50.590	ug/l	99
59) 2-Hexanone	10.72	43	1058908	228.155	ug/l	99
60) Dibromochloromethane	10.87	129	254803	53.980	ug/l	99
61) 1,2-Dibromoethane	10.98	107	220609	51.587	ug/l	99
64) Tetrachloroethene	10.60	164	195403	47.737	ug/l	98
65) Chlorobenzene	11.41	112	568614	48.811	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	225072	51.789	ug/l	98
67) Ethyl Benzene	11.49	91	1054151	50.873	ug/l	99
68) m/p-Xylenes	11.60	106	777565	103.472	ug/l	98
69) o-Xylene	11.92	106	427708	58.900	ug/l	99
70) Stvrene	11.94	104	631146	51.651	ug/l	98
71) Bromoform	12.10	173	161925	49.631	ug/l #	98
73) Isopropylbenzene	12.23	105	1024326	50.600	ug/l	99
74) N-amyl acetate	12.05	43	417130	42.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	308028	49.539	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	283369m	45.920	ug/l	
77) Bromobenzene	12.50	156	235258	47.601	ug/l	97
78) n-propylbenzene	12.57	91	1132926	49.089	ug/l	99
79) 2-Chlorotoluene	12.65	91	696151	47.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	828718	49.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	101516	45.932	ug/l	99
82) 4-Chlorotoluene	12.75	91	750629	48.966	ug/l	100
83) tert-Butylbenzene	12.97	119	646127	49.537	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	839825	50.024	ug/l	100
85) sec-Butylbenzene	13.15	105	838459	50.758	ug/l	100
86) p-Isopropyltoluene	13.26	119	758114	51.023	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	412012	48.225	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	413220	46.802	ug/l	99
89) n-Butylbenzene	13.59	91	640709	50.153	ug/l	99
90) Hexachloroethane	13.85	117	146799	51.216	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	418617	50.939	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	65090	52.578	ug/l	98
93) 1,2,4-Trichlorobenzene	14.88	180	174331	43.048	ug/l	99

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QLast Update : Wed Nov 04 12:09:03 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	80369	48.033	ug/l	98
95) Naphthalene	15.10	128	575666	41.847	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	175219	44.631	ug/l	98

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

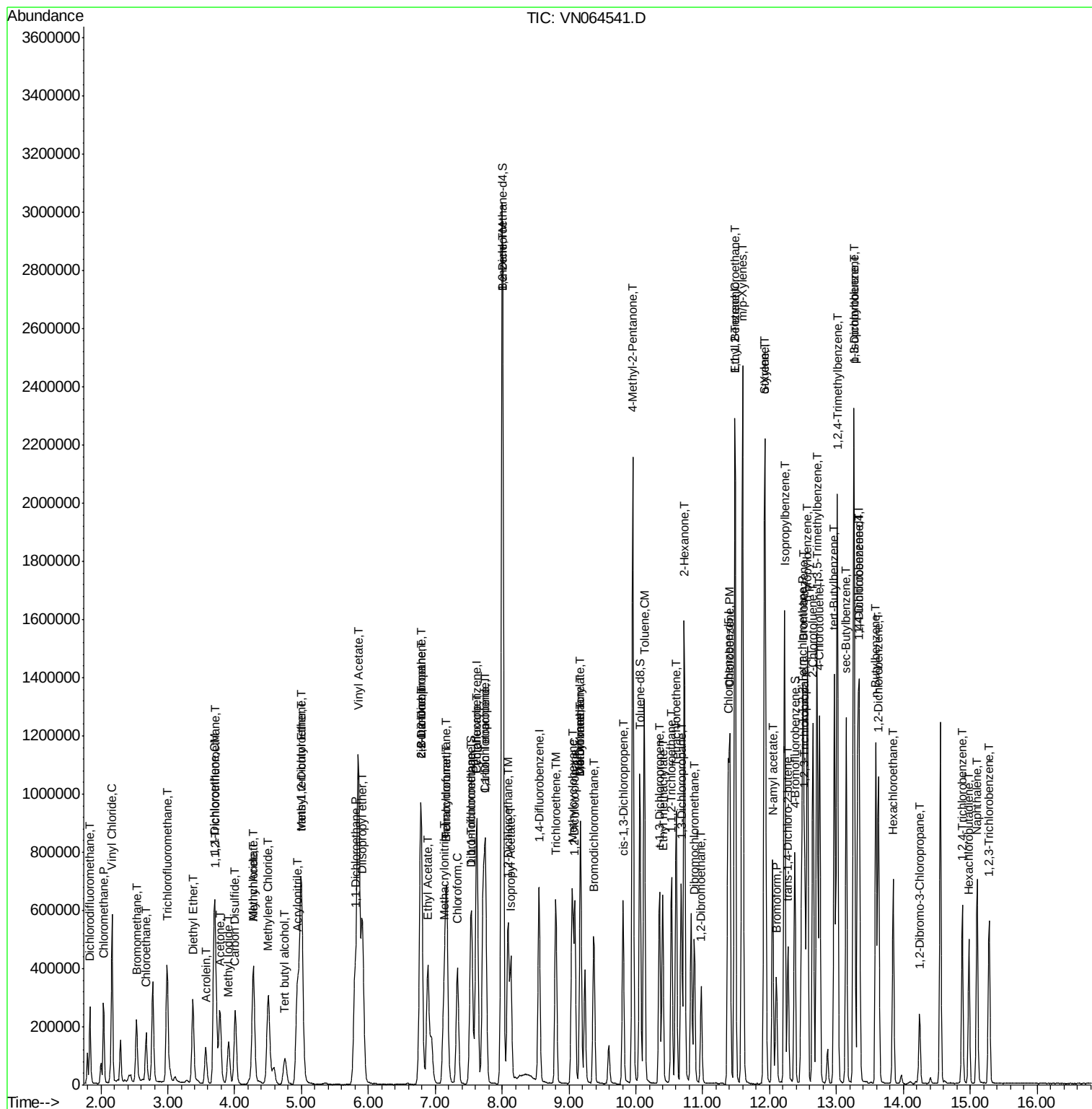
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
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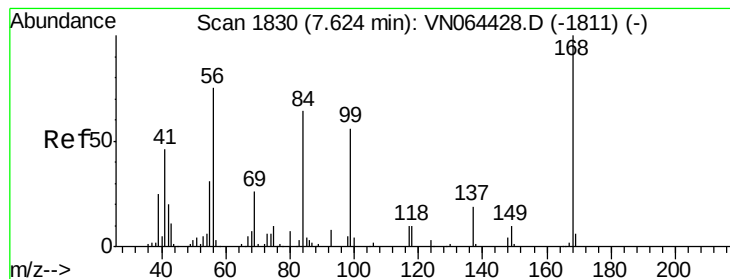
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion:168 Resp: 320605

Ion Ratio Lower Upper

168 100

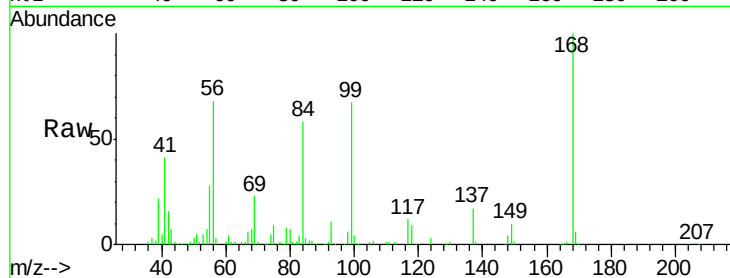
99 66.1 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

150000

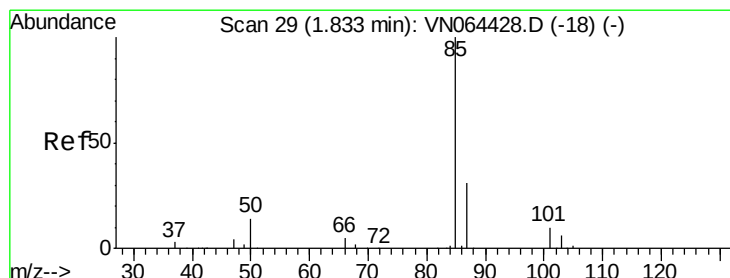
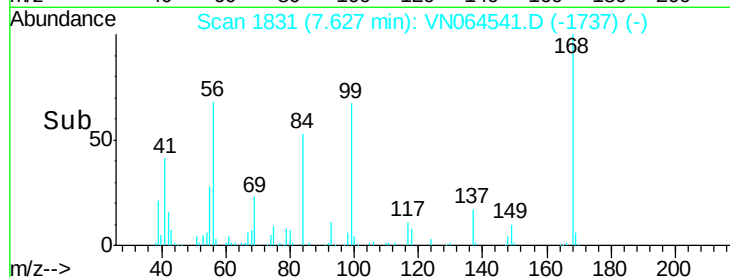
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.656 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064541.D

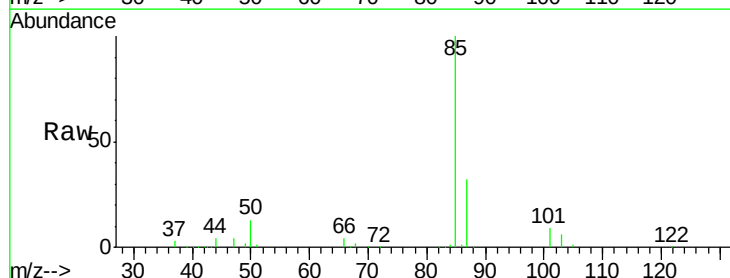
Acq: 10 Nov 2020 21:26

Tgt Ion: 85 Resp: 194717

Ion Ratio Lower Upper

85 100

87 31.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

150000

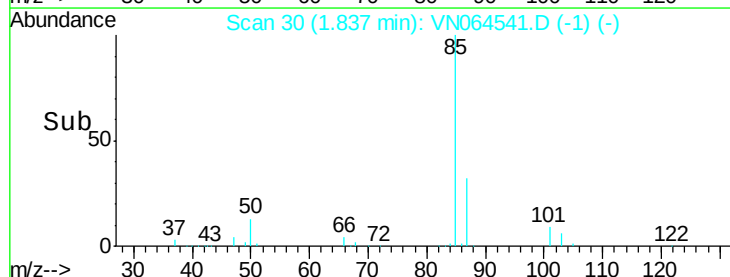
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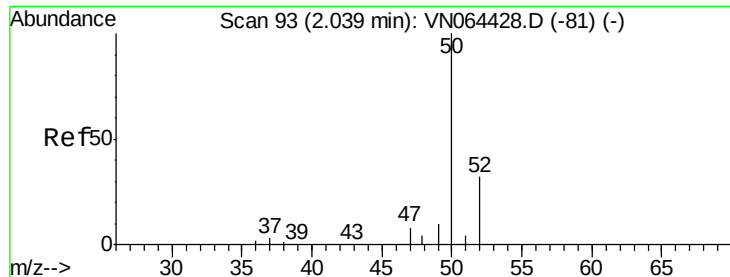
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 44.688 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion: 50 Resp: 226535

Ion Ratio Lower Upper

50 100

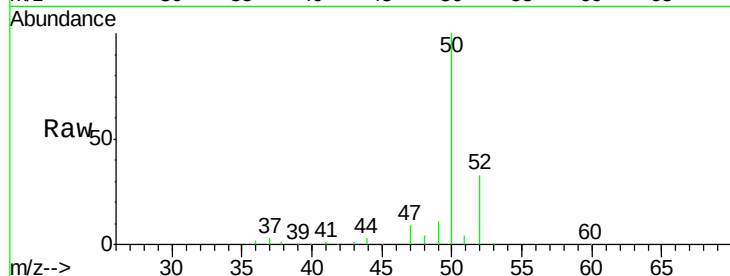
52 32.8 25.3 37.9

Manual Integrations

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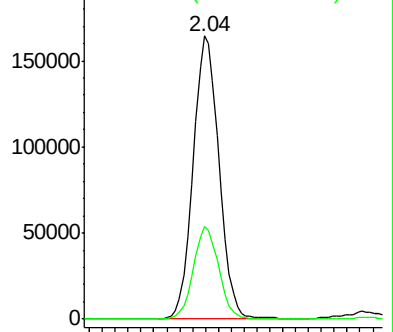
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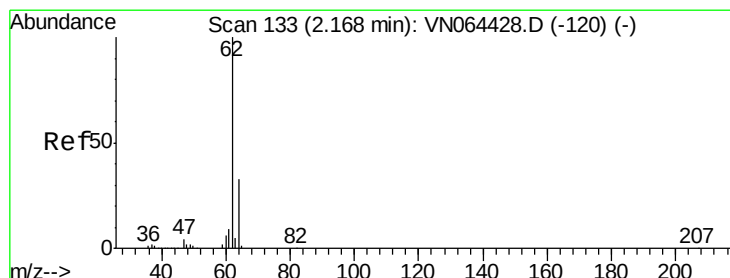
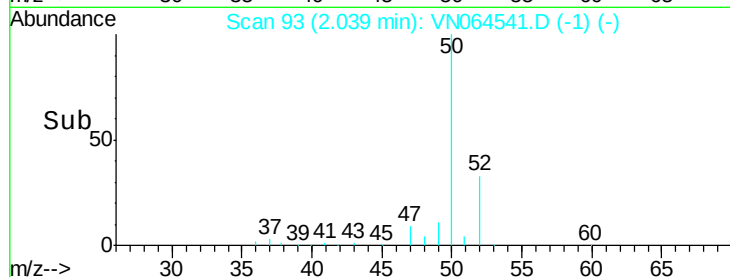


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 47.236 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064541.D

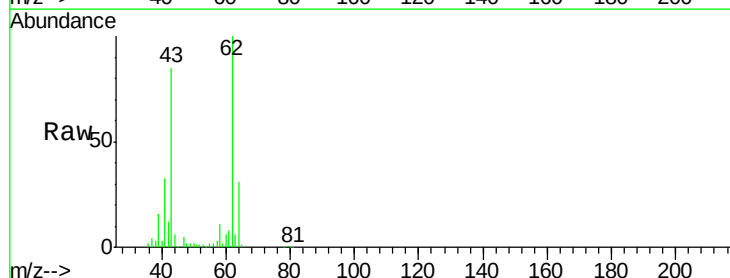
Acq: 10 Nov 2020 21:26

Tgt Ion: 62 Resp: 245895

Ion Ratio Lower Upper

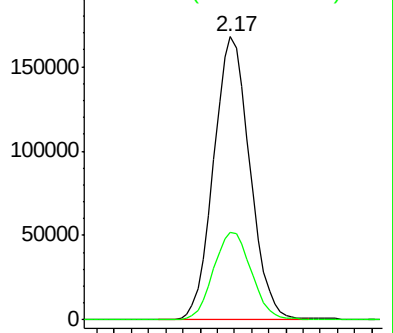
62 100

64 30.9 26.3 39.5

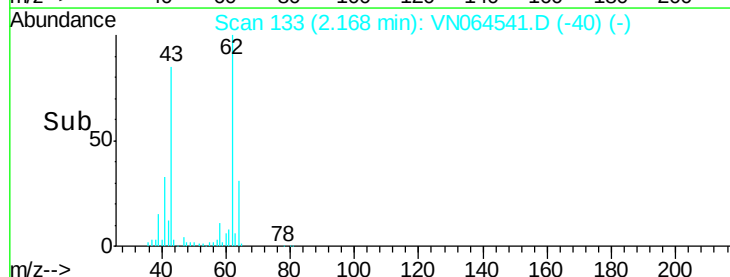


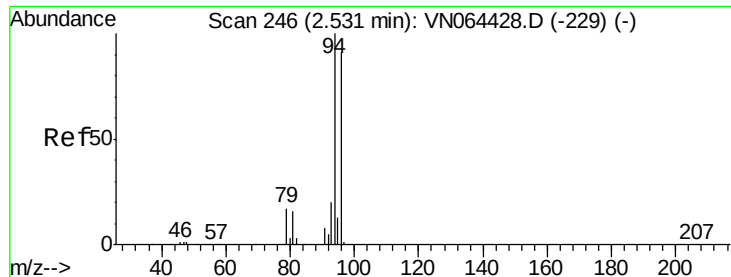
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 46.002 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

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Tot Ion: 94 Resp: 152982

Ion Ratio Lower Upper

94 100

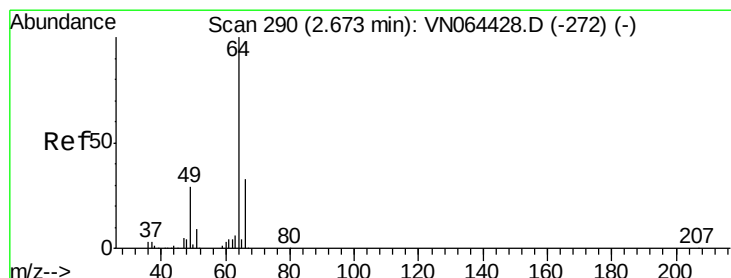
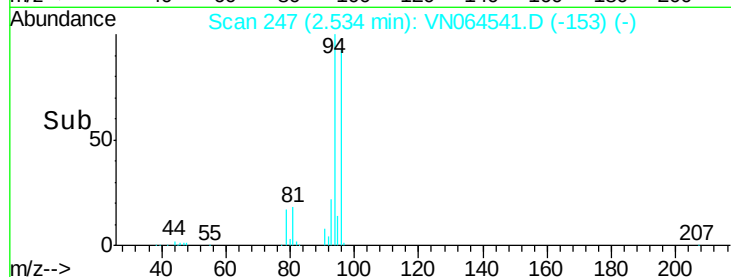
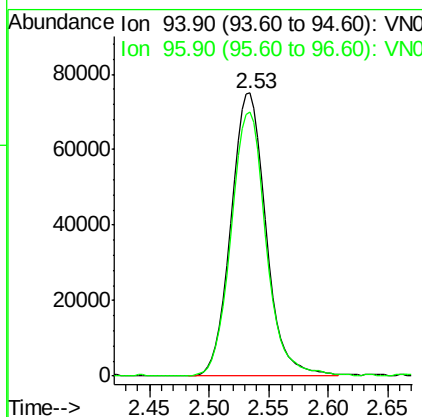
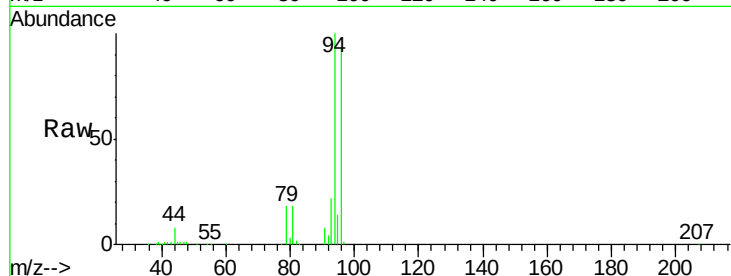
96 93.3 73.1 109.7

Manual Integrations

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#6

Chloroethane

Concen: 48.647 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064541.D

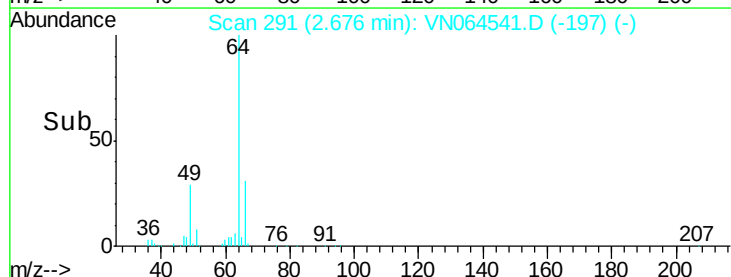
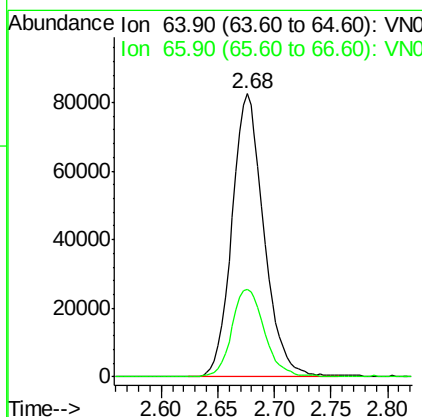
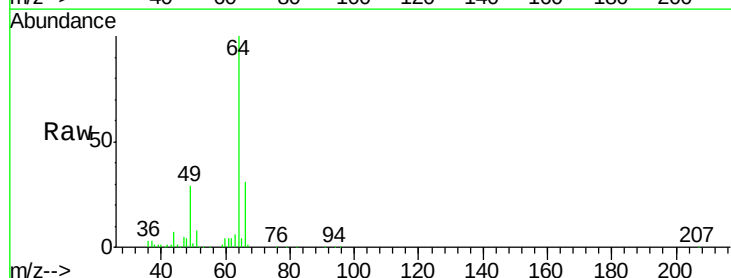
Acq: 10 Nov 2020 21:26

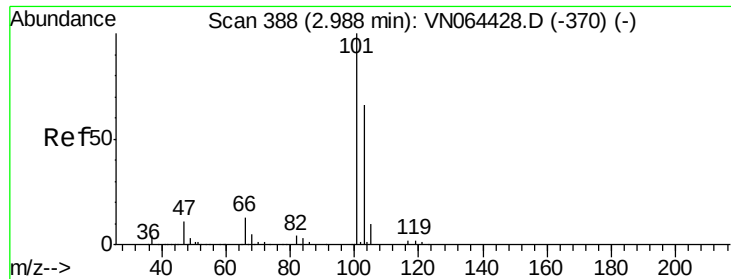
Tgt Ion: 64 Resp: 162135

Ion Ratio Lower Upper

64 100

66 30.8 26.1 39.1





#7

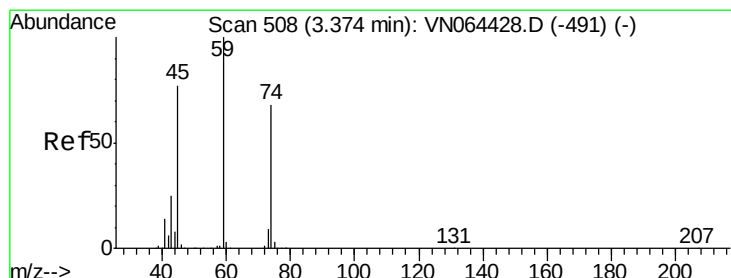
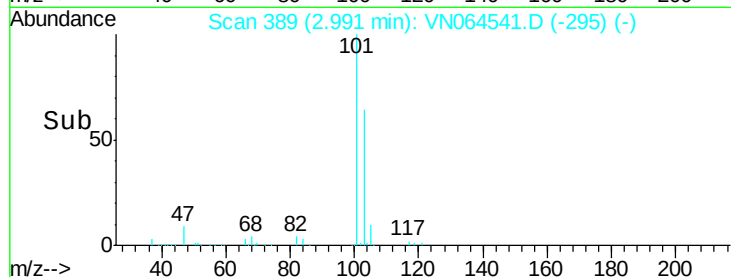
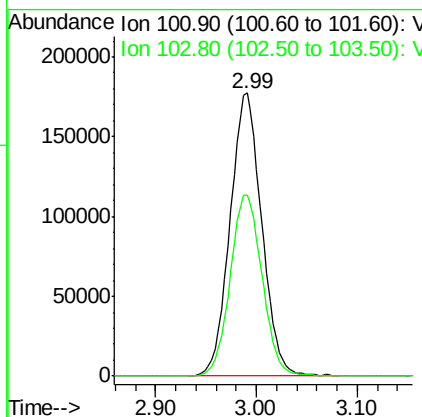
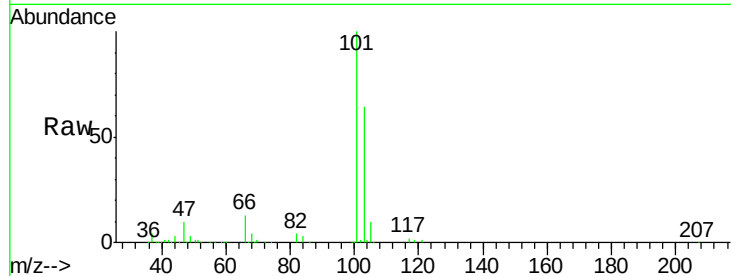
Trichlorofluoromethane
 Concen: 50.395 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064541.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.4	78.6

Manual Integrations
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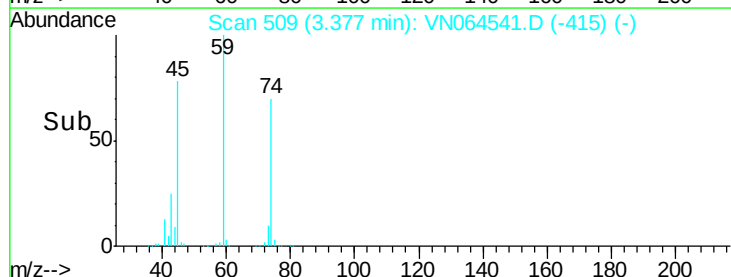
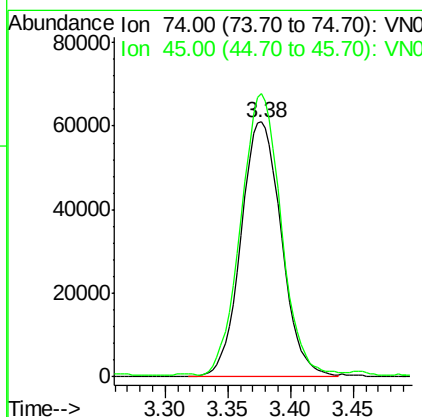
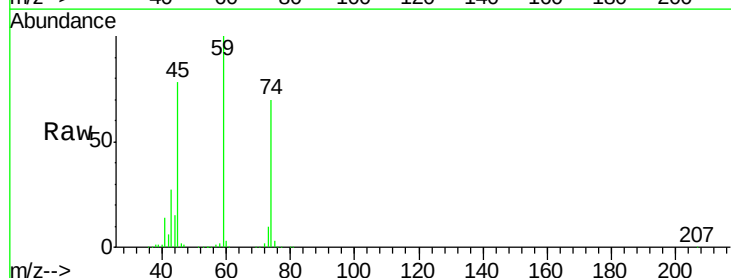
MMDadoda
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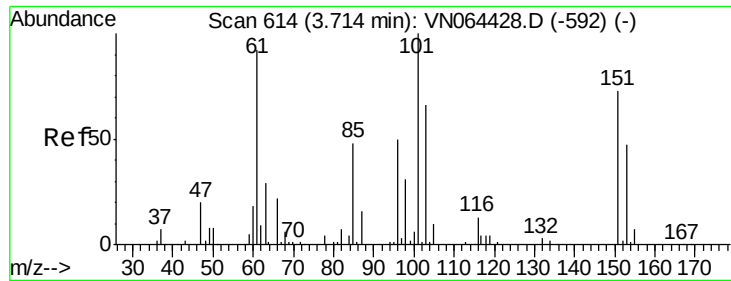


#8

Diethyl Ether
 Concen: 50.559 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064541.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.2	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.656 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

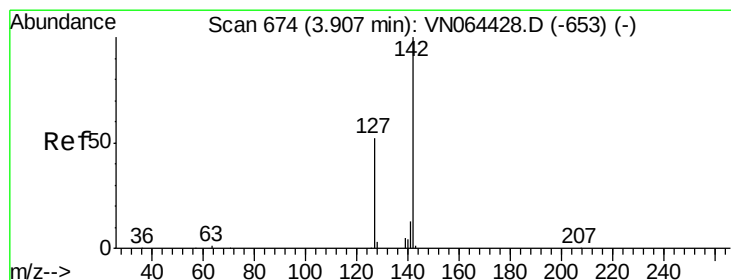
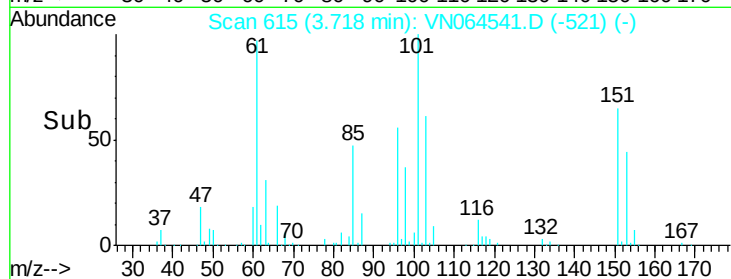
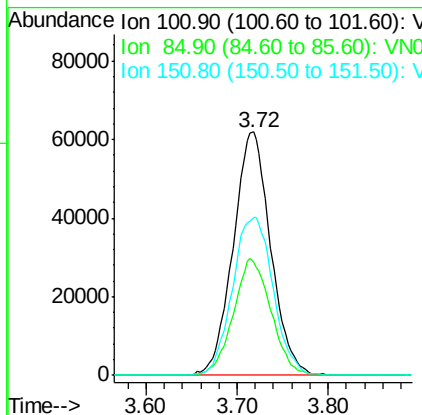
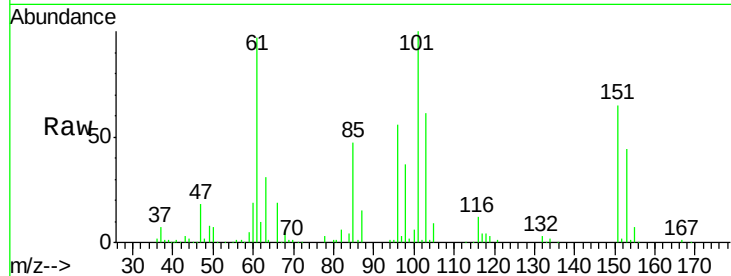
ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion:	101	Resp:	177110
Ion Ratio	Lower	Upper	
101	100		
85	48.2	38.6	57.8
151	70.3	57.5	86.3

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#10

Methyl Iodide

Concen: 51.739 ug/l

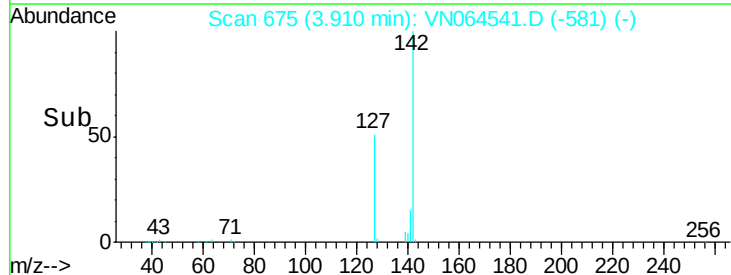
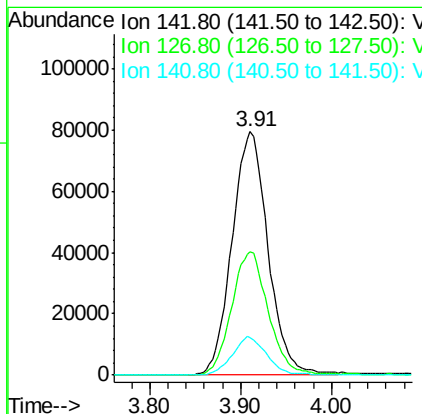
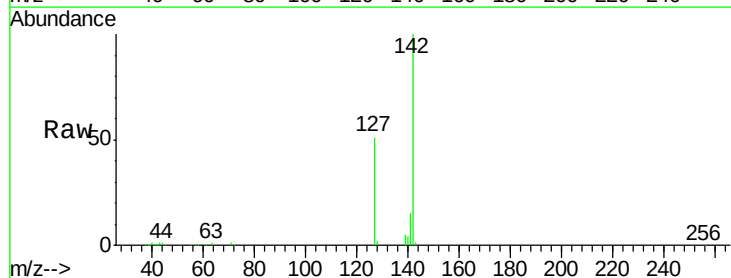
RT: 3.91 min Scan# 675

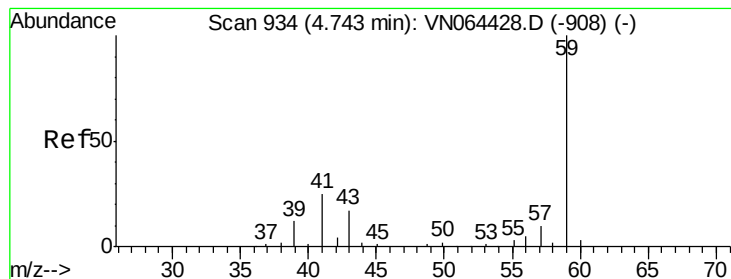
Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Tgt Ion:	142	Resp:	218837
Ion Ratio	Lower	Upper	
142	100		
127	51.6	41.8	62.8
141	15.0	11.4	17.2





#11

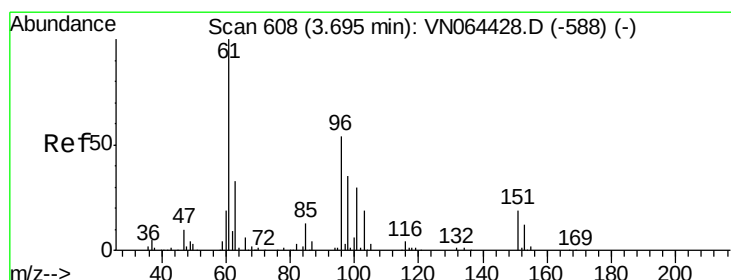
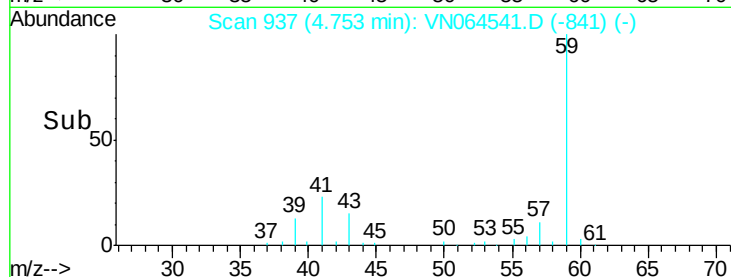
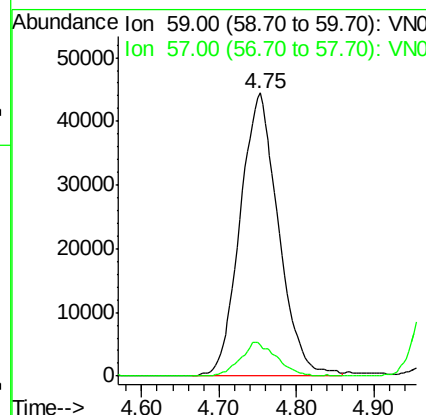
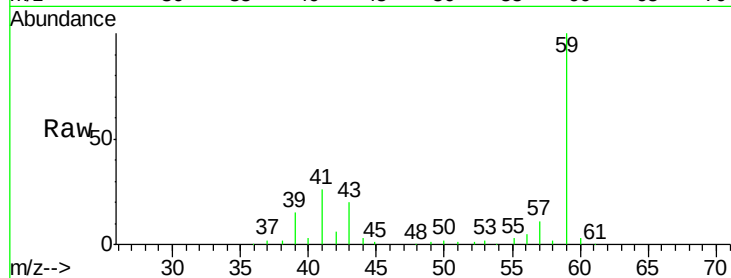
Tert butyl alcohol
 Concen: 248.857 ug/l
 RT: 4.75 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	11.2	9.0	13.4	

Manual Integrations
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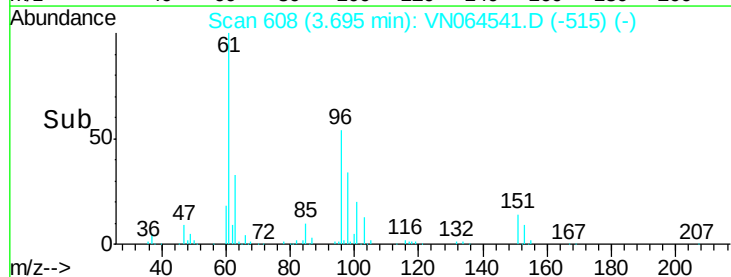
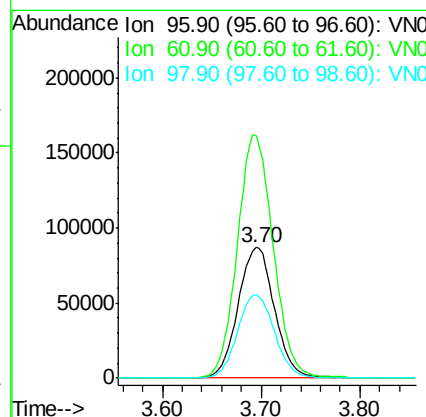
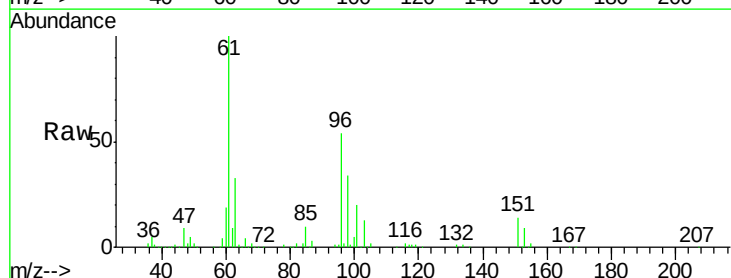
MMDadoda
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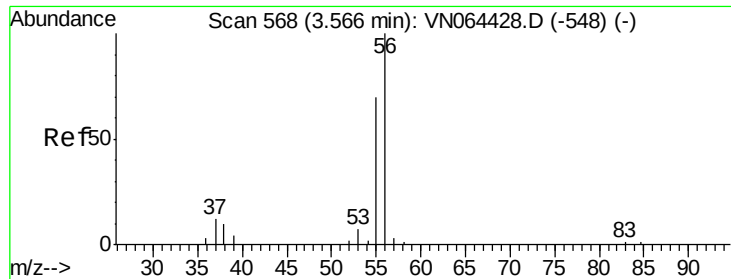


#12

1,1-Dichloroethene
 Concen: 64.918 ug/l
 RT: 3.70 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	185.2	149.5	224.3	
98	63.6	52.4	78.6	





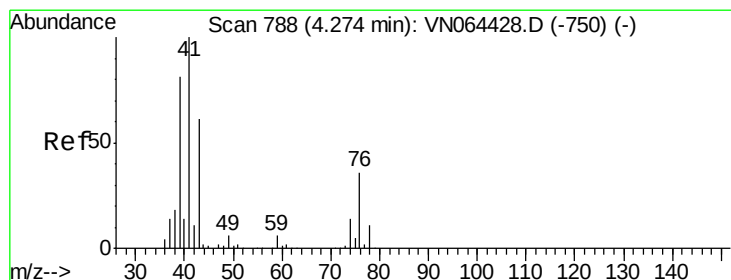
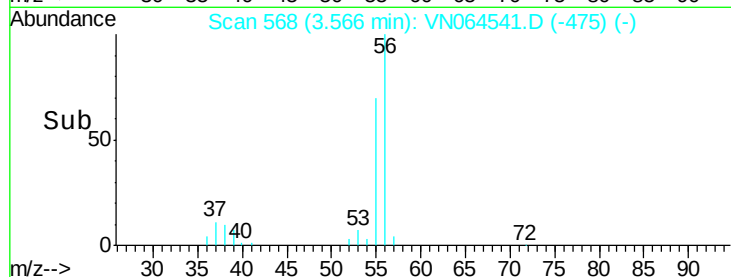
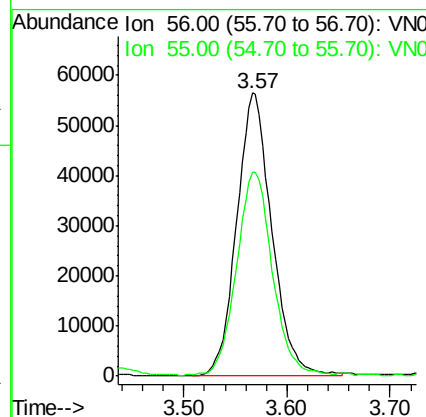
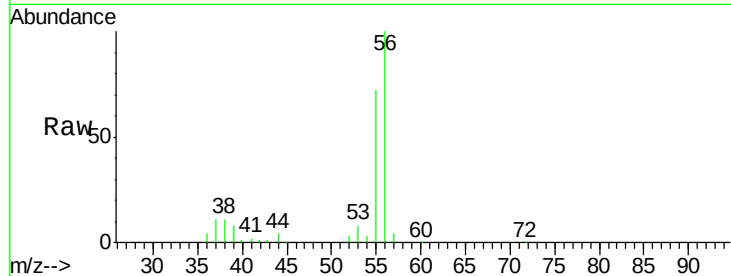
#13
Acrolein
Concen: 350.675 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	74.2	55.9	83.9	

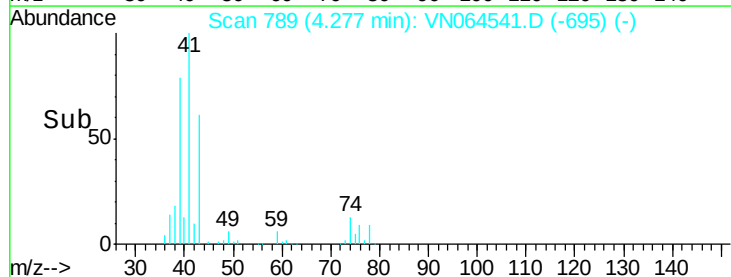
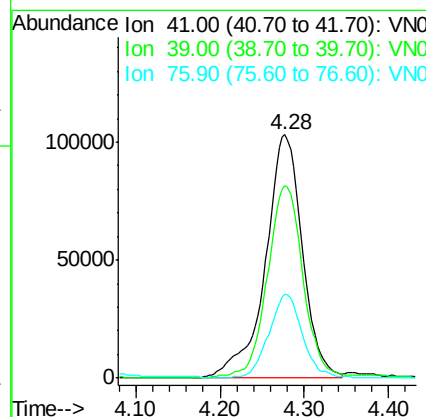
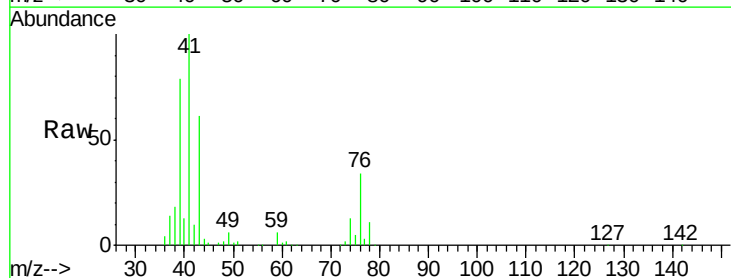
Manual Integrations
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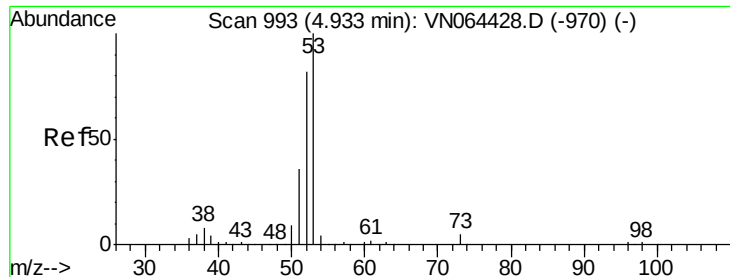
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#14
Allyl chloride
Concen: 46.924 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	76.9	61.8	92.8	
76	30.7	25.4	38.0	





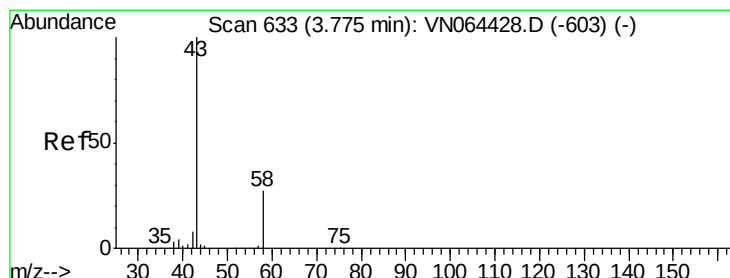
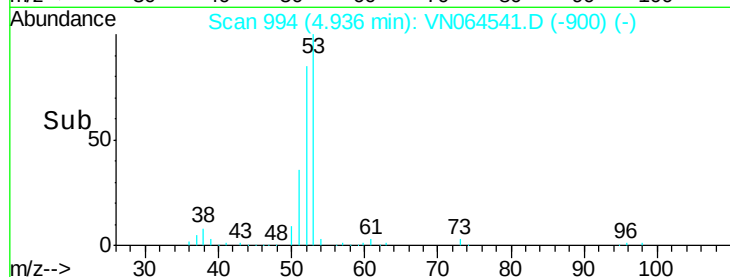
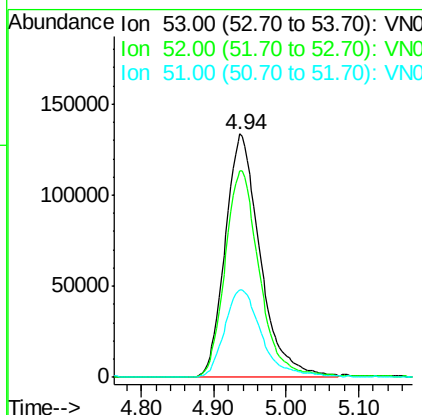
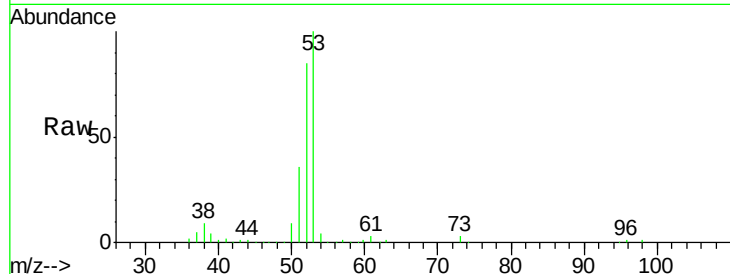
#15
 Acrylonitrile
 Concen: 262.115 ug/l
 RT: 4.94 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion:	53	Resp:	449420
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.6	98.4
51	38.2	29.9	44.9

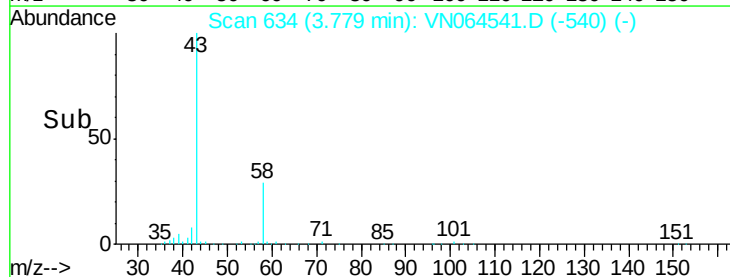
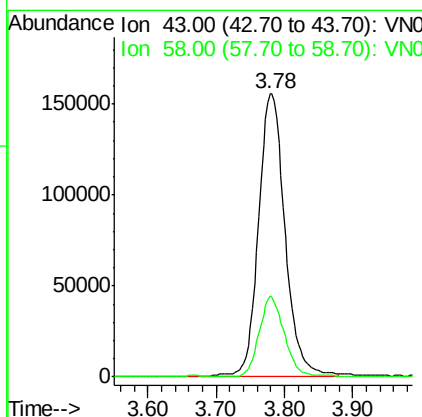
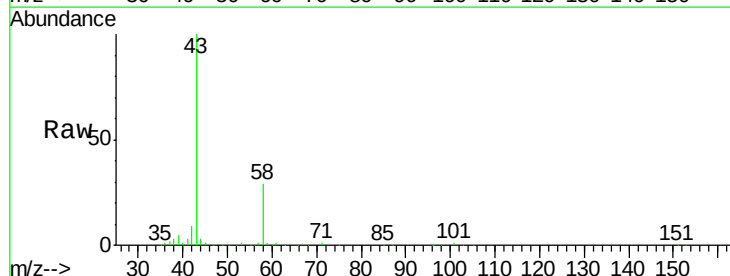
Manual Integrations
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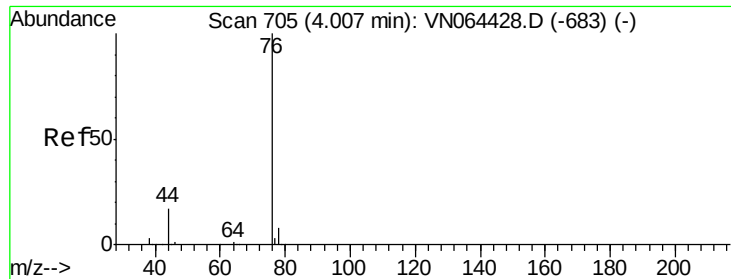
MMDadoda
 11/11/2020 1:02:10 PM



#16
 Acetone
 Concen: 198.558 ug/l
 RT: 3.78 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion:	43	Resp:	422376
Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.4	32.0





#17

Carbon Disulfide

Concen: 47.610 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion: 76 Resp: 488186

Ion Ratio Lower Upper

76 100

78 9.5

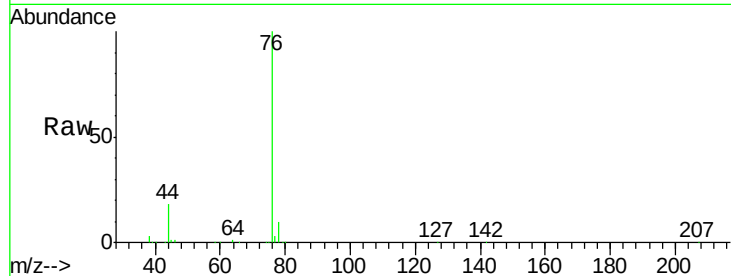
6.8 10.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

200000

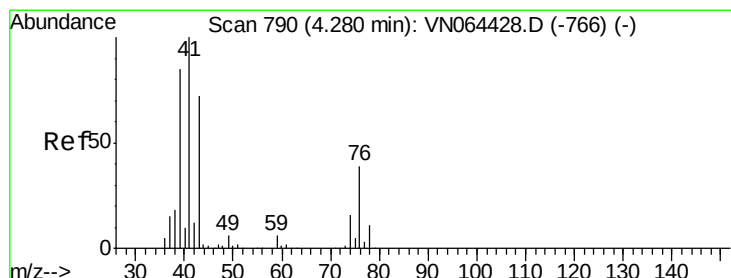
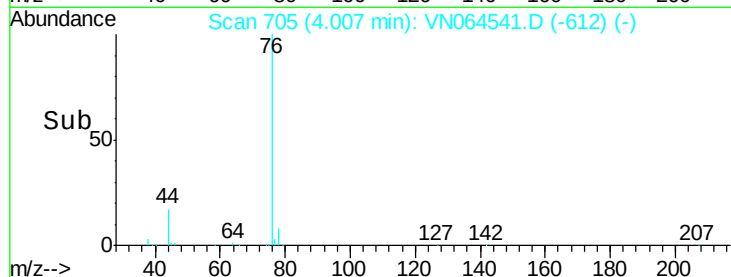
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.320 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

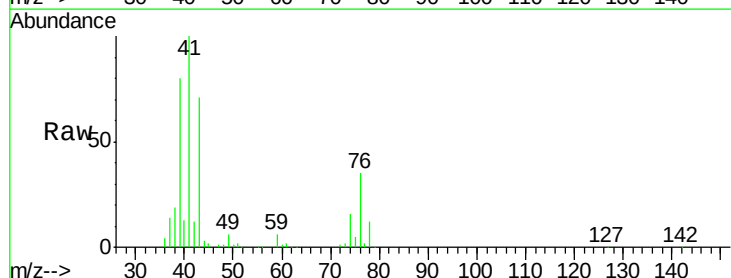
Tgt Ion: 43 Resp: 202078

Ion Ratio Lower Upper

43 100

74 21.5

17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

80000

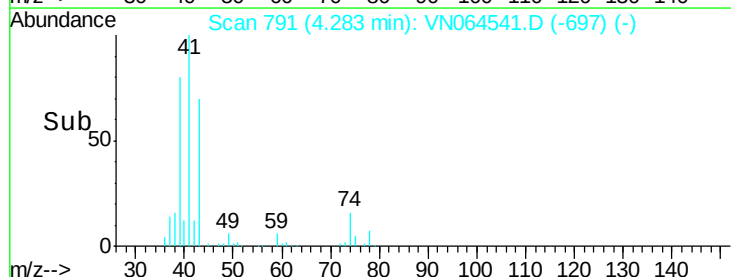
60000

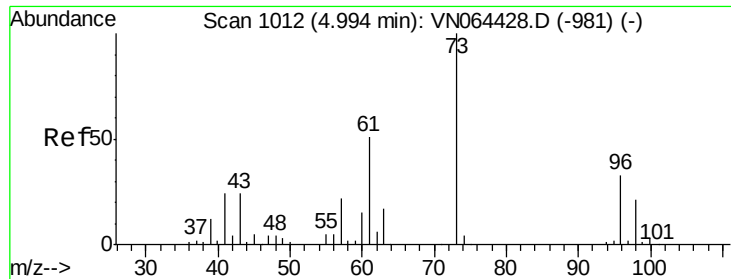
40000

20000

0

Time-->





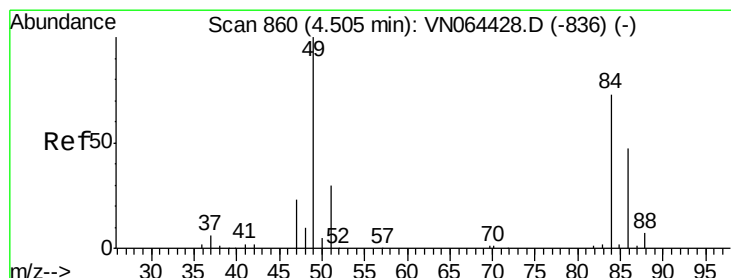
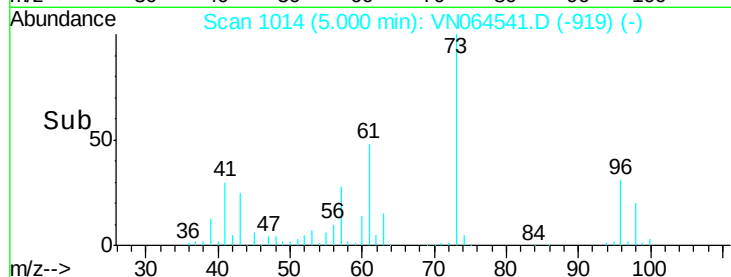
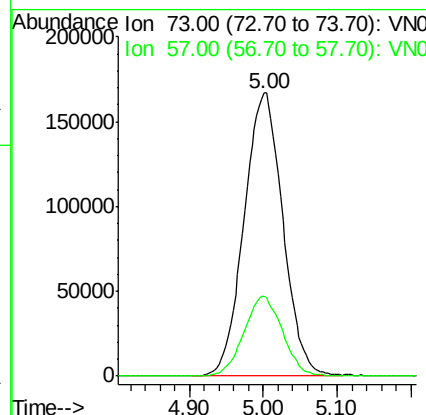
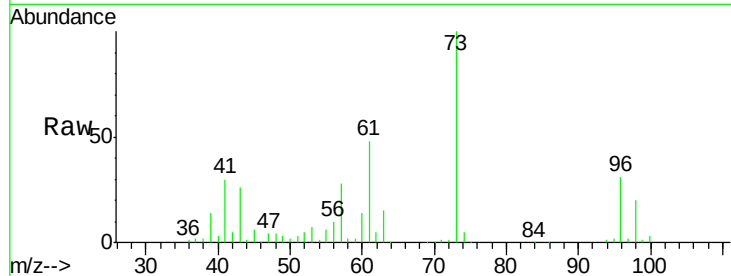
#19
Methyl tert-butyl Ether
Concen: 49.605 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion: 73 Resp: 612156
Ion Ratio Lower Upper
73 100
57 28.4 17.7 26.5#

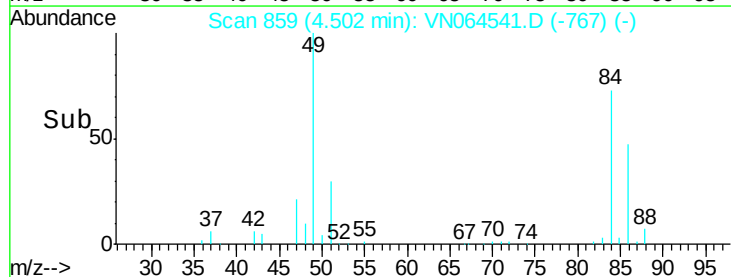
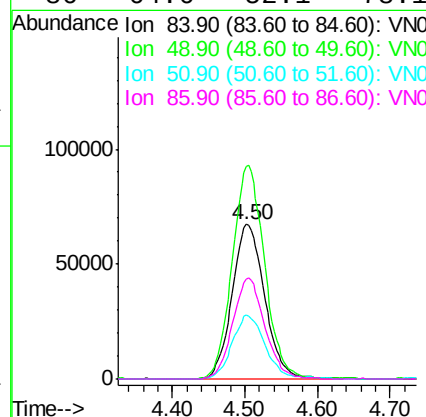
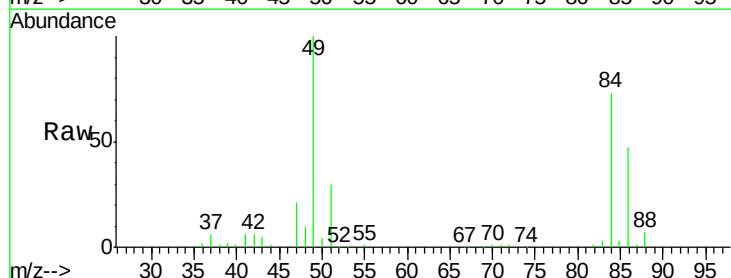
Manual Integrations
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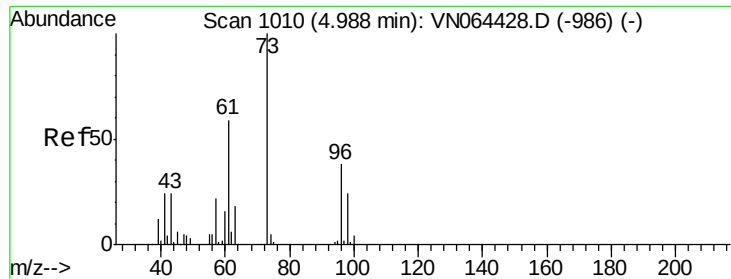
MMDadoda
11/11/2020 1:02:10 PM



#20
Methylene Chloride
Concen: 49.934 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion: 84 Resp: 210749
Ion Ratio Lower Upper
84 100
49 137.3 110.1 165.1
51 41.5 33.6 50.4
86 64.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 47.987 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

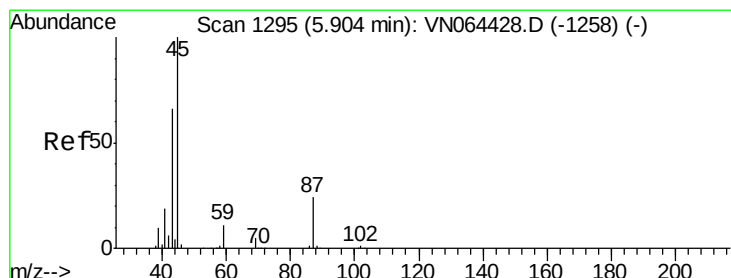
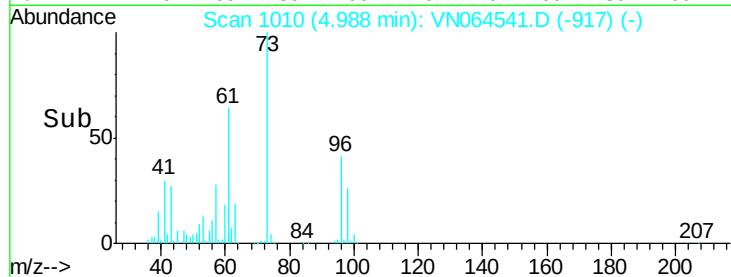
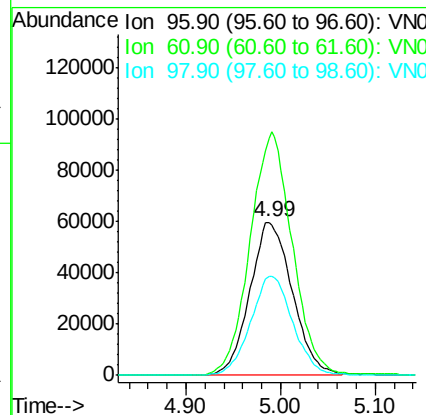
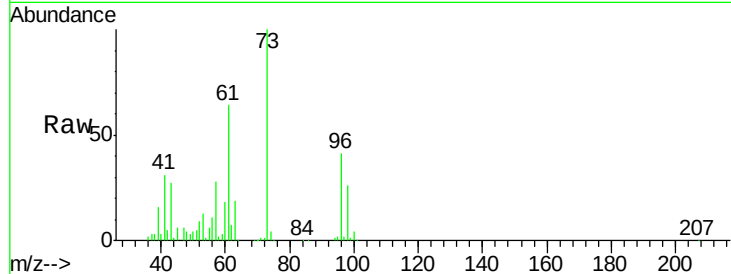
ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion:	96	Resp:	186820
Ion	Ratio	Lower	Upper
96	100		
61	154.5	122.4	183.6
98	64.4	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.256 ug/l

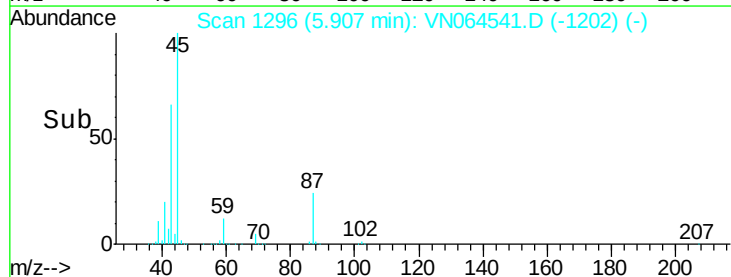
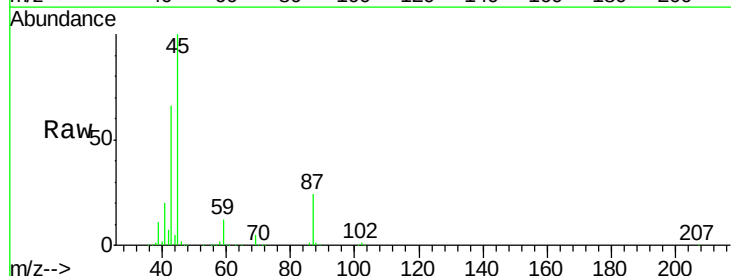
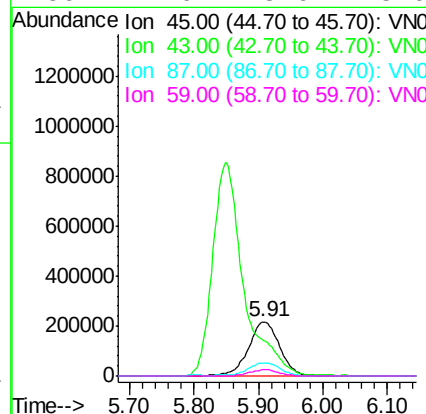
RT: 5.91 min Scan# 1296

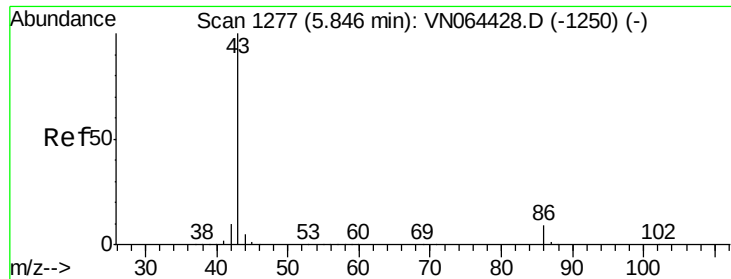
Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Tgt Ion:	45	Resp:	729786
Ion	Ratio	Lower	Upper
45	100		
43	64.9	53.2	79.8
87	24.3	19.9	29.9
59	11.6	8.6	13.0





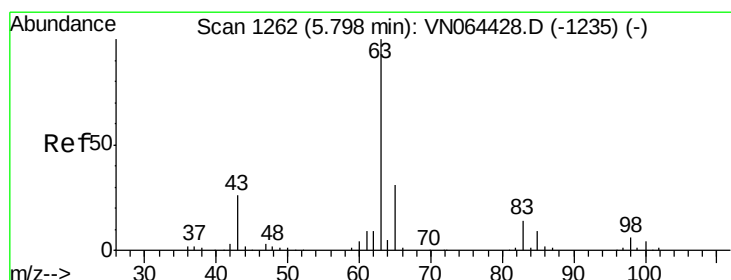
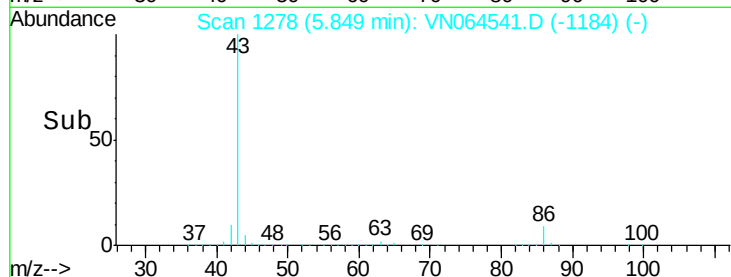
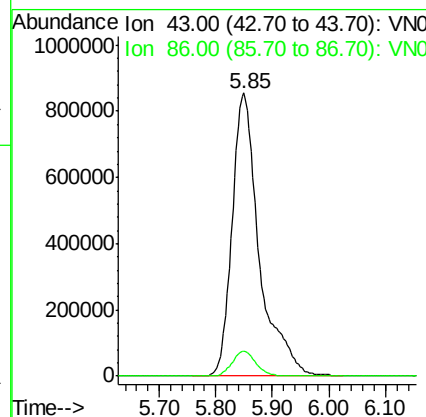
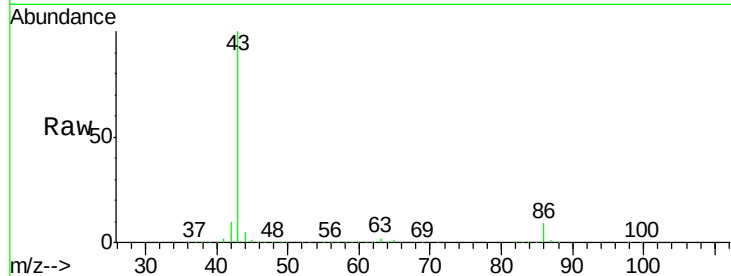
#23
 Vinyl Acetate
 Concen: 247.545 ug/l
 RT: 5.85 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion: 43 Resp: 2867235
 Ion Ratio Lower Upper
 43 100
 86 9.0 6.8 10.2

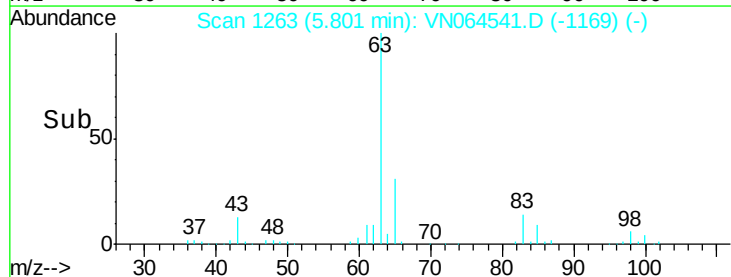
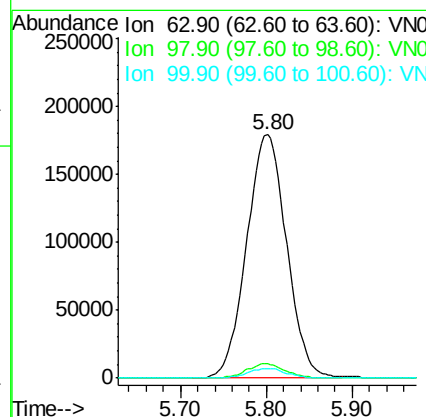
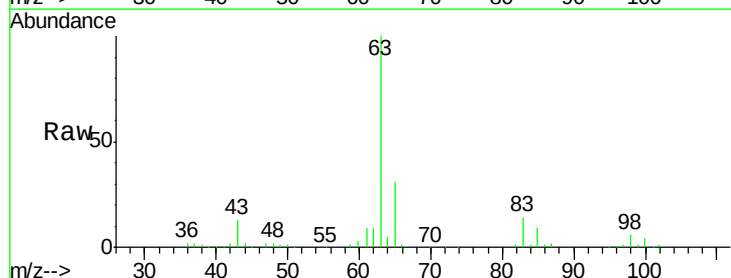
Manual Integrations
 APPROVED

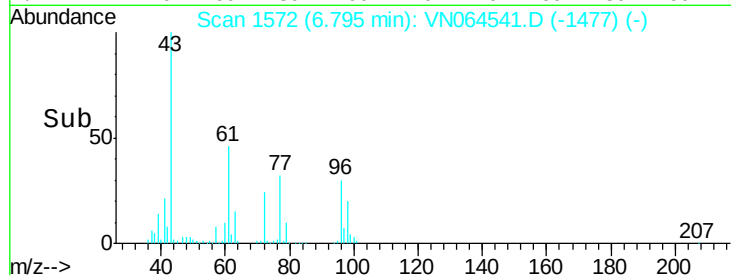
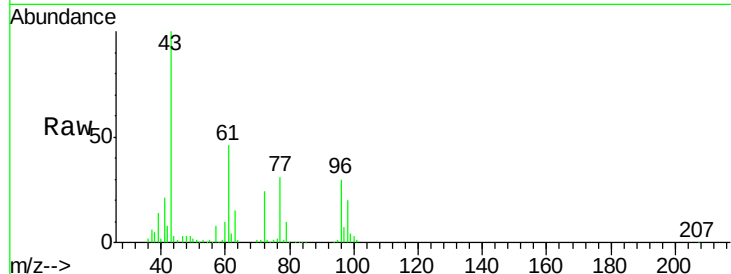
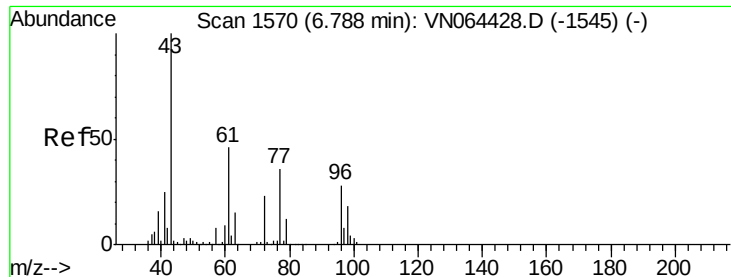
MMDadoda
 11/11/2020 1:02:10 PM



#24
 1,1-Dichloroethane
 Concen: 74.040 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 63 Resp: 579280
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.2
 100 3.8 1.8 5.3





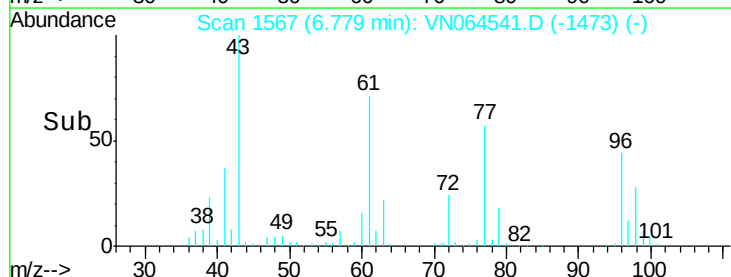
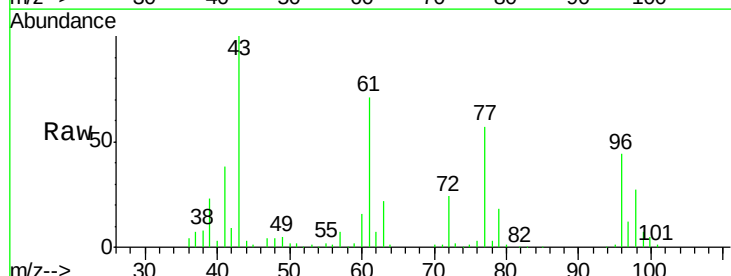
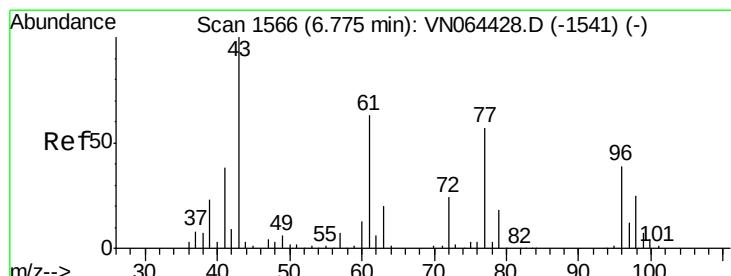
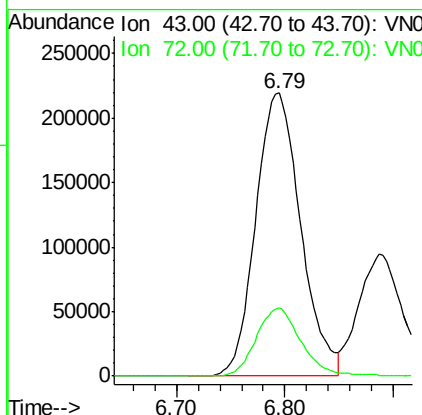
#25
2-Butanone
Concen: 233.399 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tot Ion: 43 Resp: 632600
Ion Ratio Lower Upper
43 100
72 24.4 18.5 27.7

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

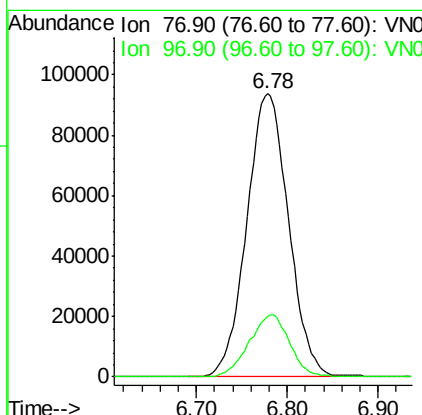
Manual Integrations
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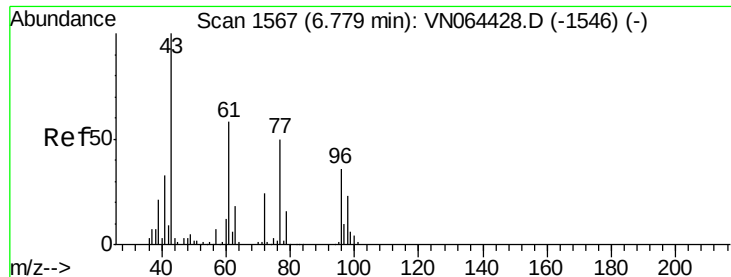
MMDadoda
11/11/2020 1:02:10 PM



#26
2,2-Dichloropropane
Concen: 42.138 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion: 77 Resp: 298446
Ion Ratio Lower Upper
77 100
97 21.2 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 48.727 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

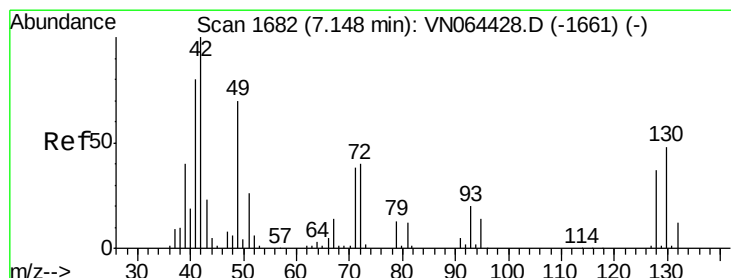
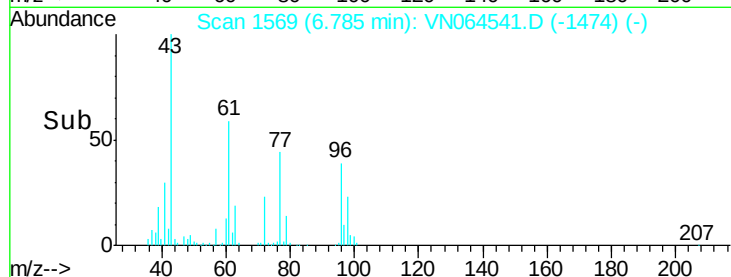
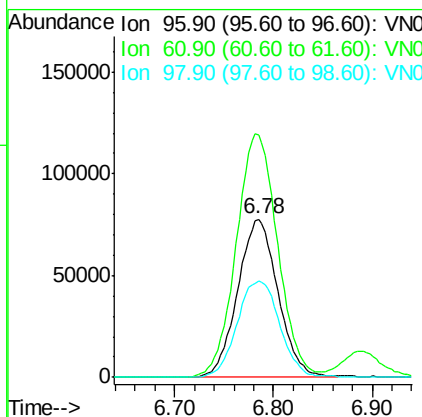
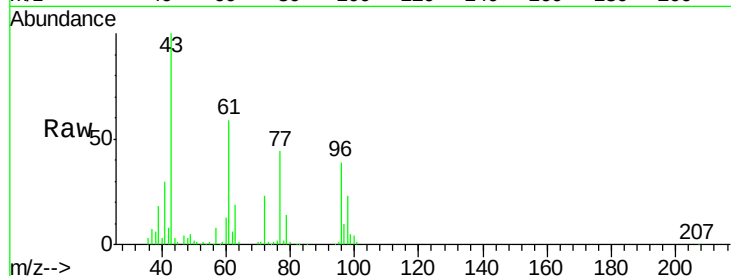
ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion:	96	Resp:	219818
Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	329.6
98	64.3	0.0	131.2

Manual Integrations
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11/11/2020 1:02:10 PM



#28

Bromochloromethane

Concen: 46.728 ug/l

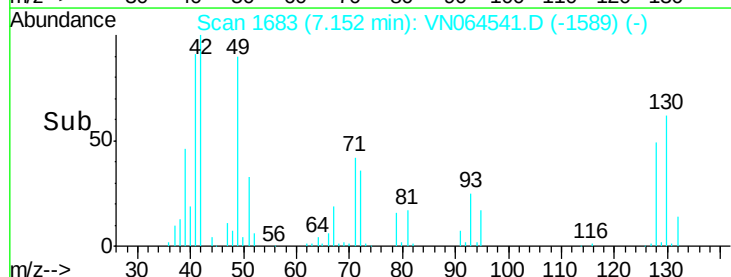
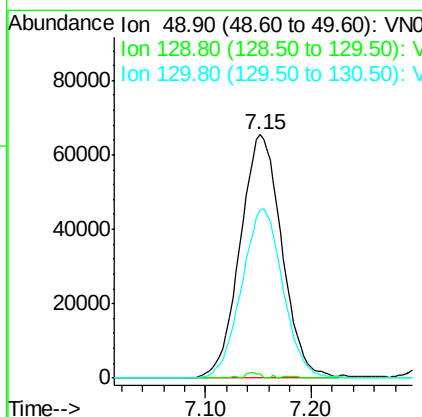
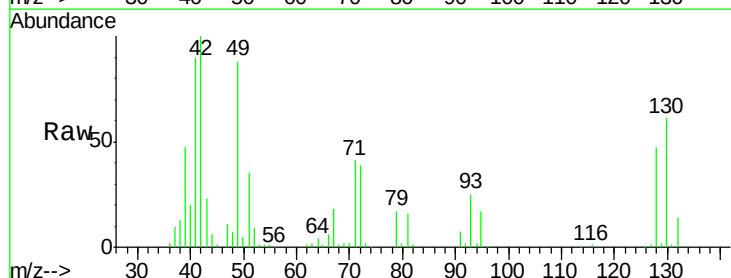
RT: 7.15 min Scan# 1683

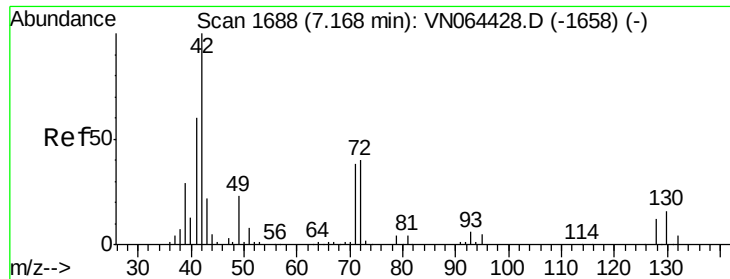
Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Tgt Ion:	49	Resp:	179702
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	69.0	54.2	81.4





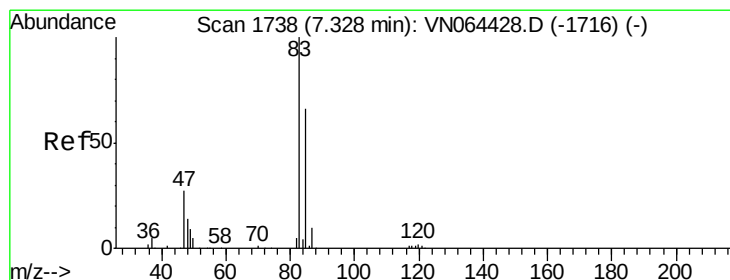
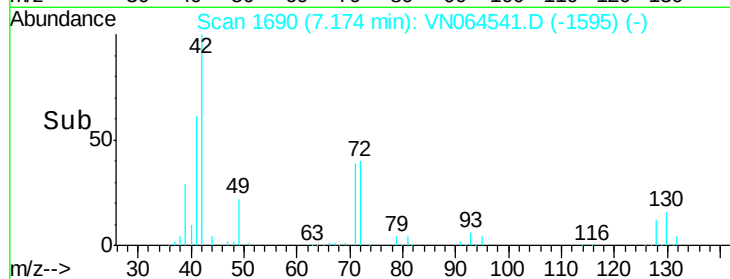
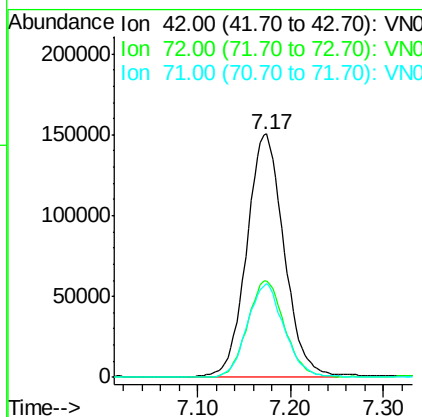
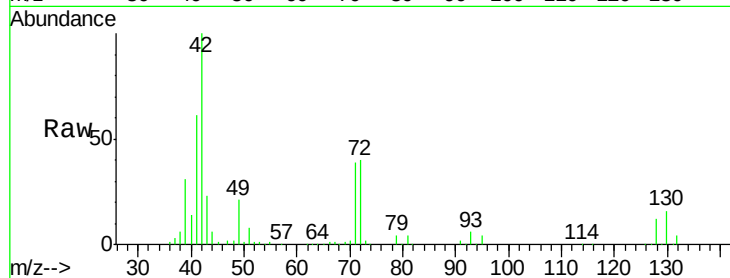
#29
Tetrahydrofuran
Concen: 251.929 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.7	47.5
71	38.3	29.8	44.6

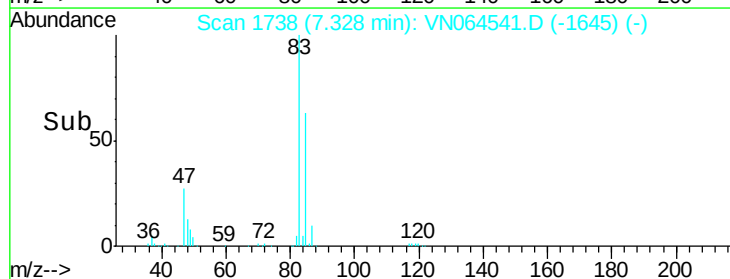
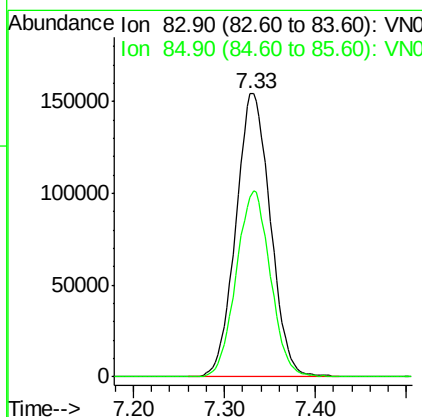
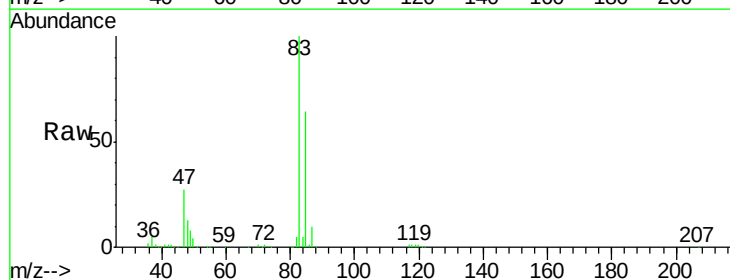
Manual Integrations
APPROVED

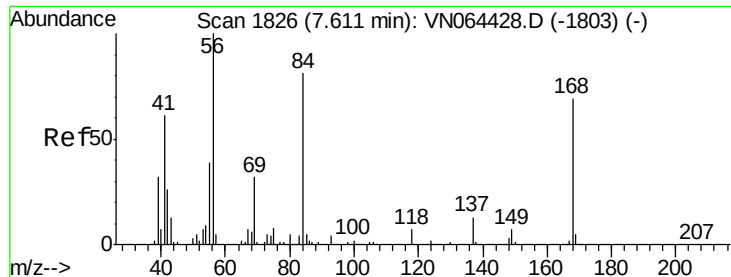
MMDadoda
11/11/2020 1:02:10 PM



#30
Chloroform
Concen: 49.528 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.5	78.7





#31

Cyclohexane

Concen: 45.044 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

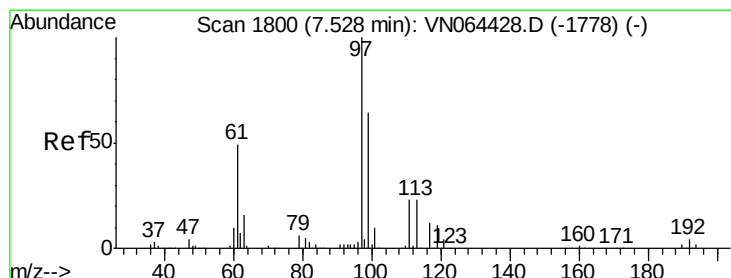
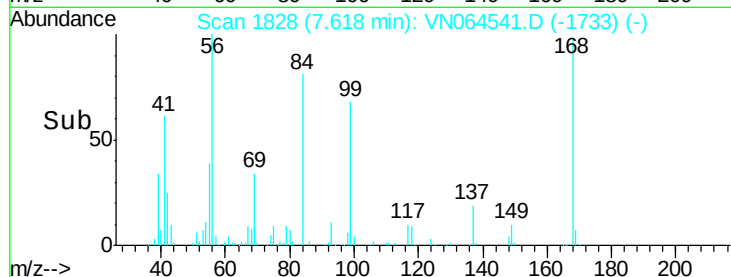
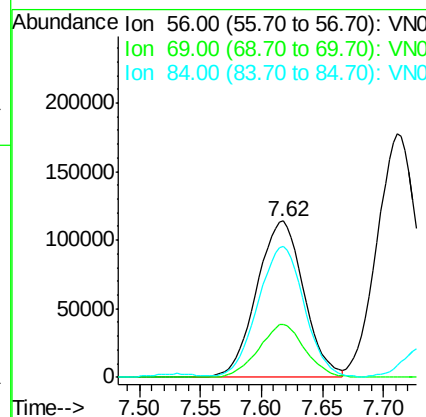
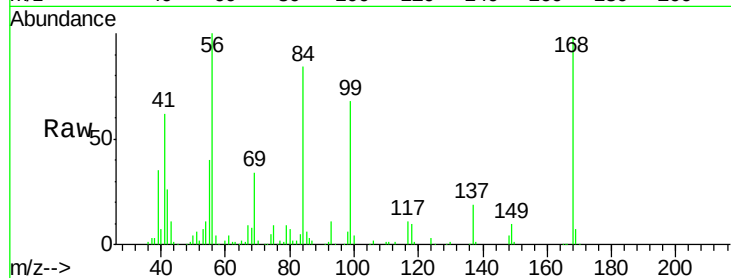
ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion:	56	Resp:	305783
Ion Ratio	Lower	Upper	
56	100		
69	33.5	25.6	38.4
84	82.3	63.0	94.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.763 ug/l

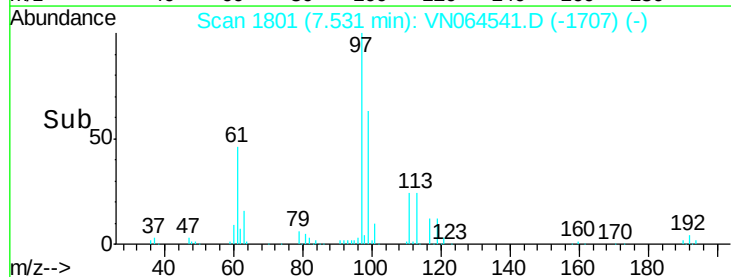
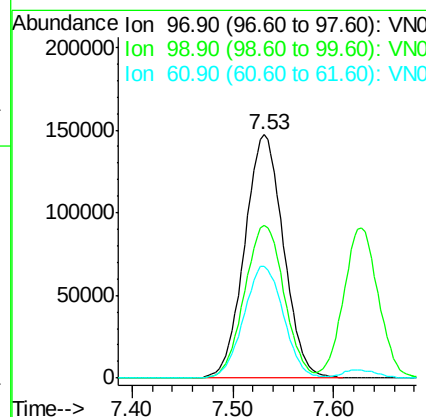
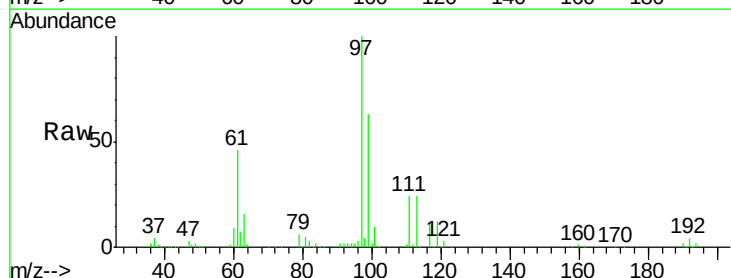
RT: 7.53 min Scan# 1801

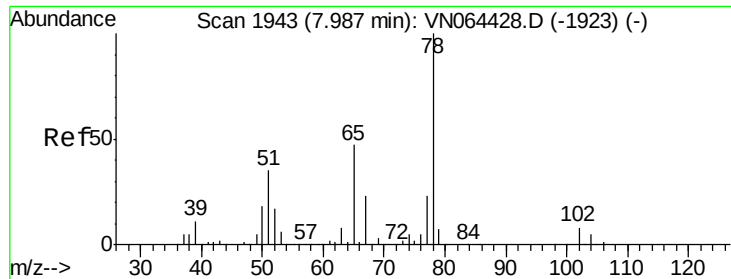
Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Tgt Ion:	97	Resp:	392165
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.3	76.9
61	47.1	39.1	58.7





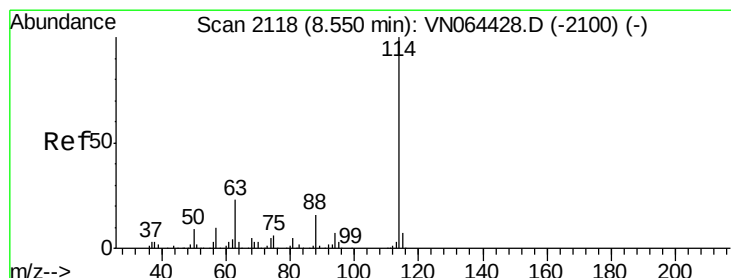
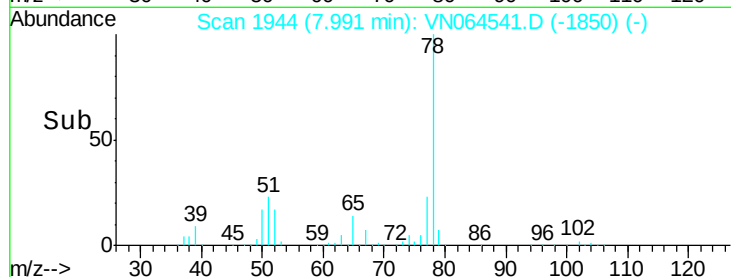
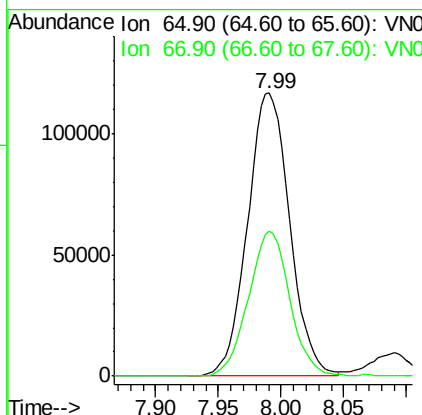
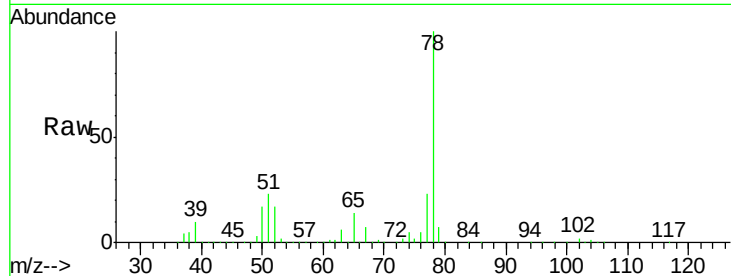
#33
 1,2-Dichloroethane-d4
 Concen: 48.933 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	273265		
67	50.2	0.0	101.6	

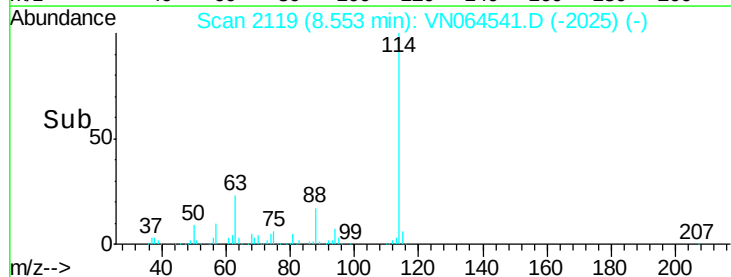
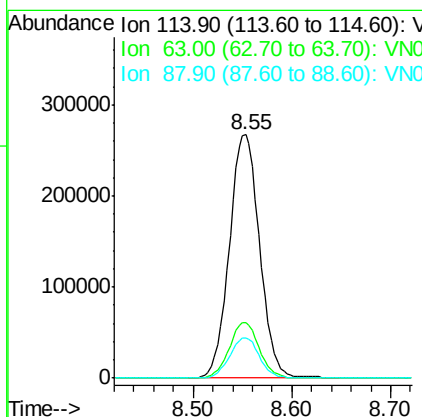
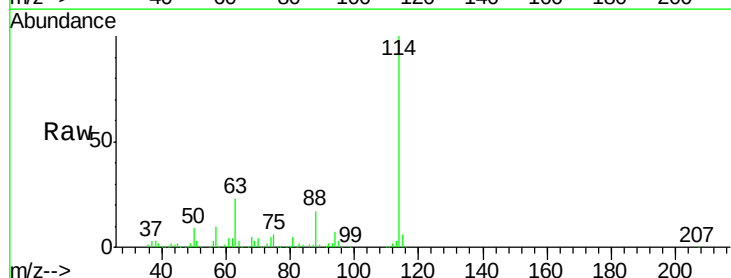
Manual Integrations
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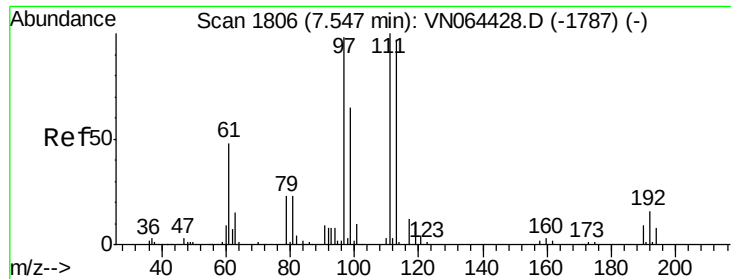
MMDadoda
 11/11/2020 1:02:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	570964		
63	23.0	0.0	45.6	
88	16.7	0.0	32.8	





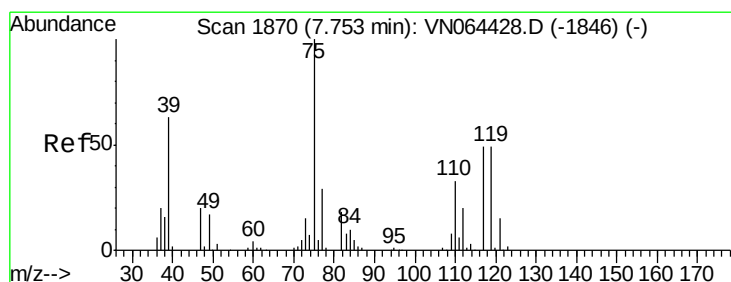
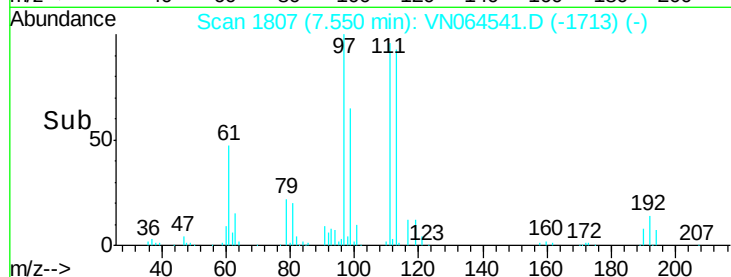
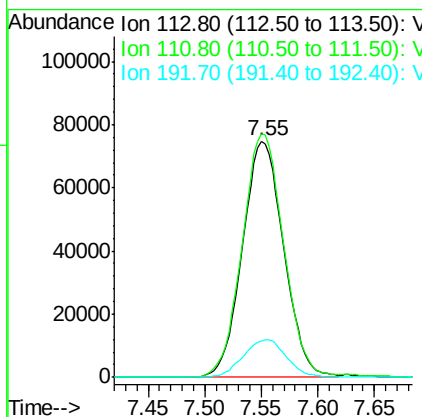
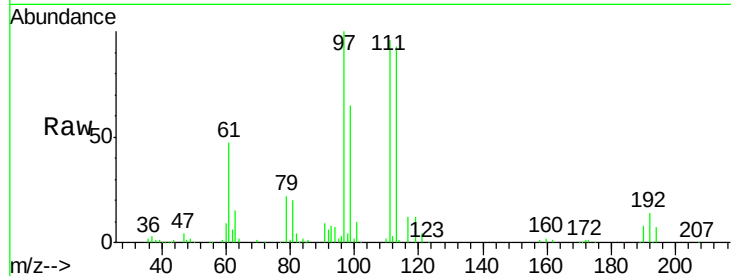
#35
Dibromofluoromethane
Concen: 48.860 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189944		
111	104.4	81.1	121.7	
192	16.5	12.8	19.2	

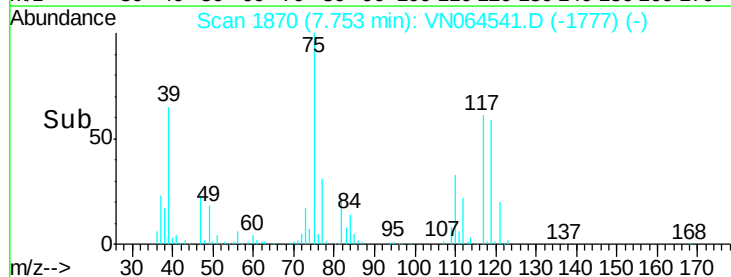
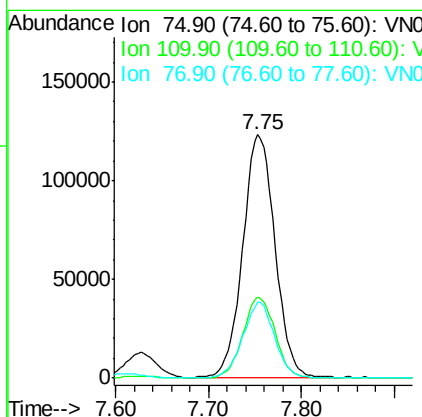
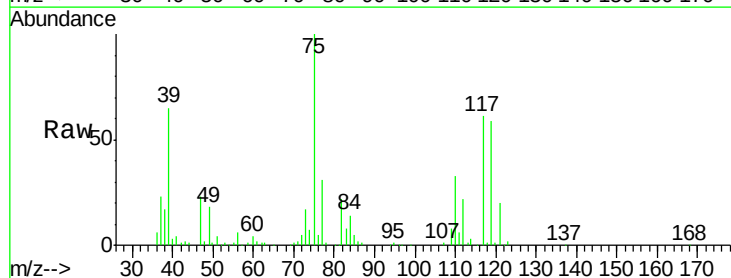
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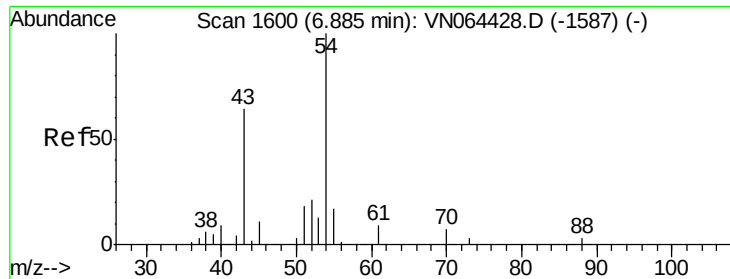
MMDadoda
11/11/2020 1:02:10 PM



#36
1,1-Dichloropropene
Concen: 49.127 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	296327		
110	33.3	16.0	48.0	
77	31.0	24.0	36.0	





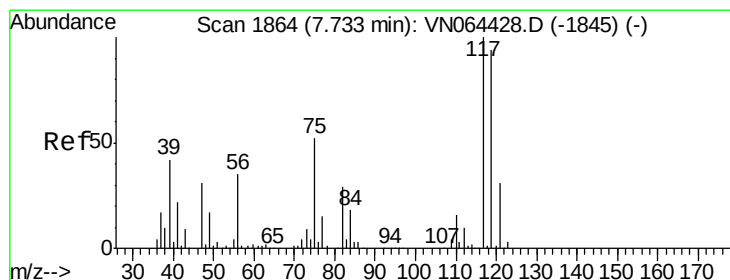
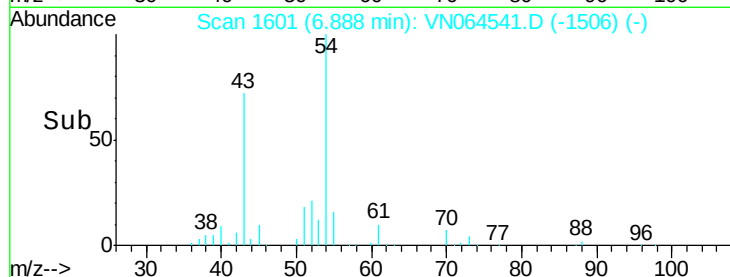
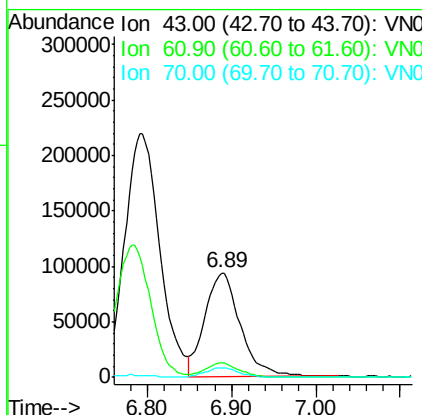
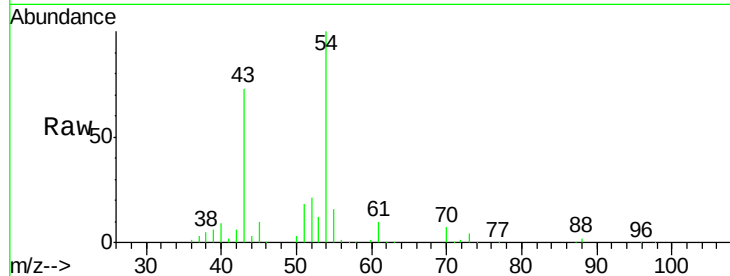
#37
Ethyl Acetate
Concen: 44.694 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.0	15.0
70	8.7	7.1	10.7

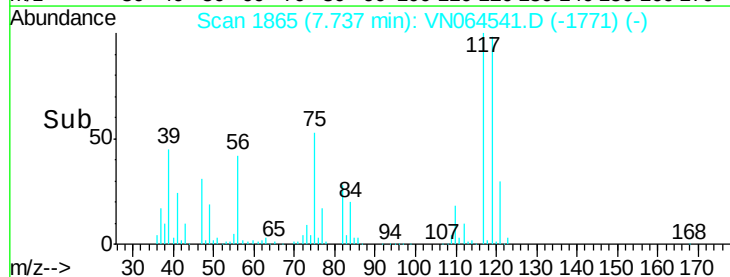
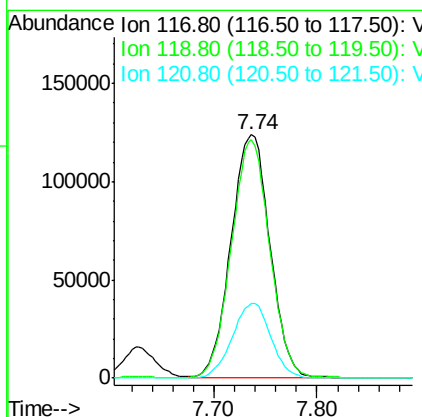
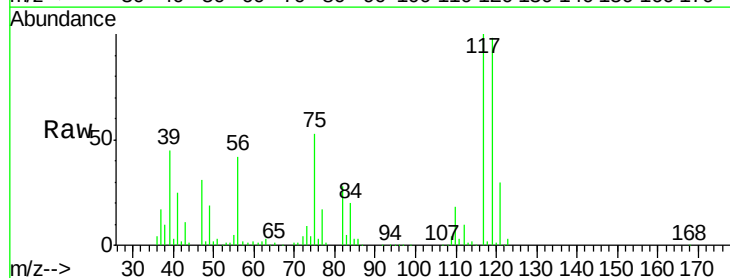
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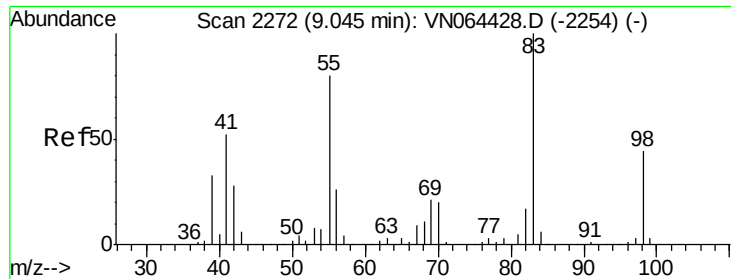
MMDadoda
11/11/2020 1:02:10 PM



#38
Carbon Tetrachloride
Concen: 50.278 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.5	113.3
121	30.5	24.4	36.6





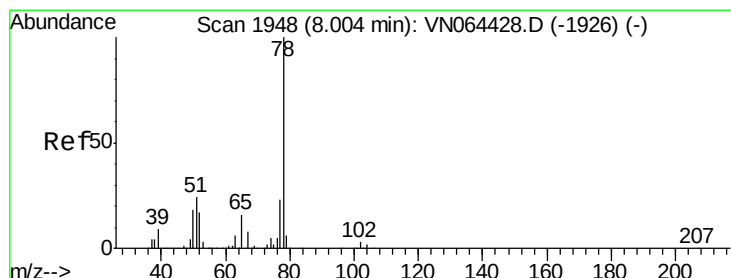
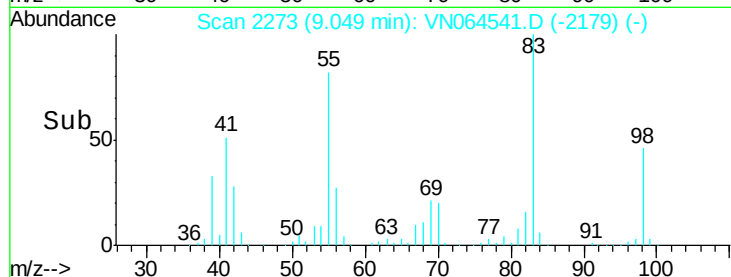
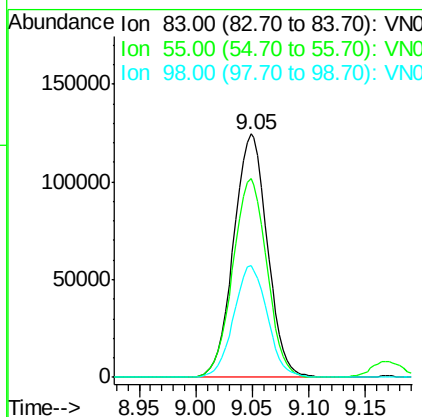
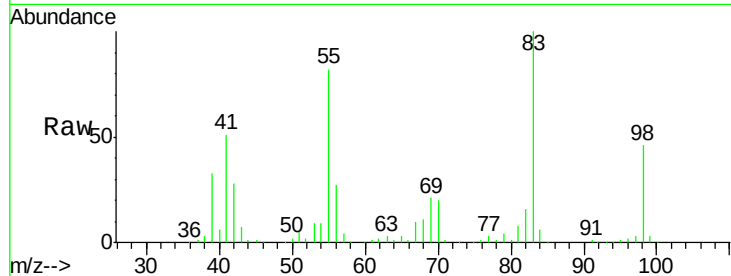
#39
Methylvlcyclohexane
Concen: 47.938 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	63.8	95.6
98	45.9	35.4	53.2

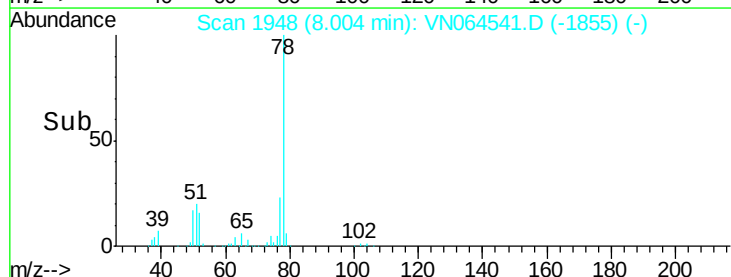
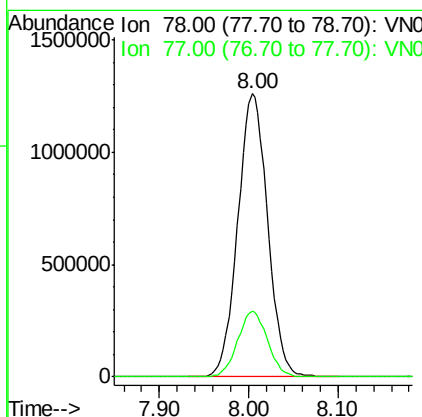
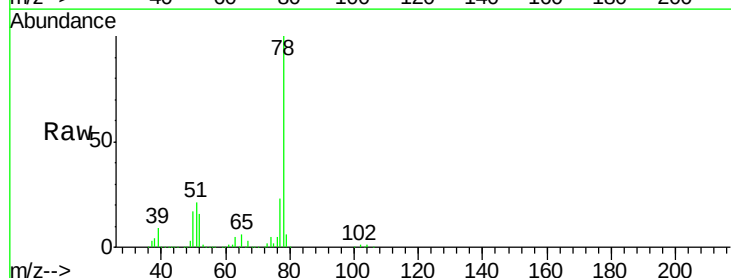
Manual Integrations
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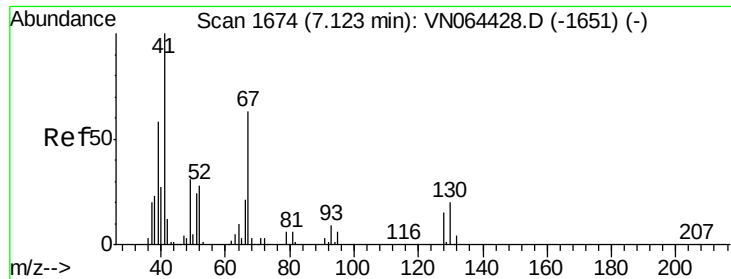
MMDadoda
11/11/2020 1:02:10 PM



#40
Benzene
Concen: 165.186 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1





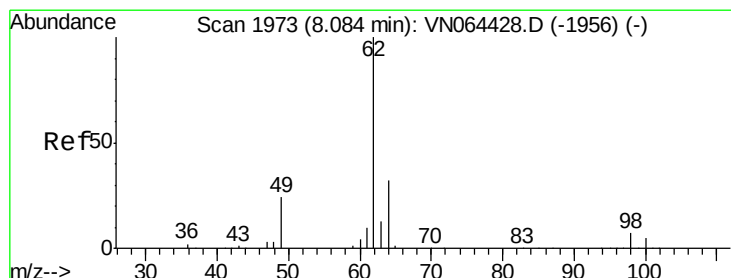
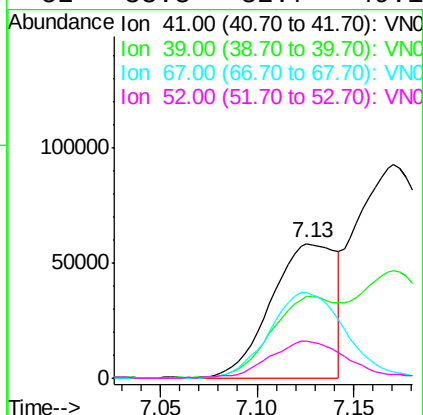
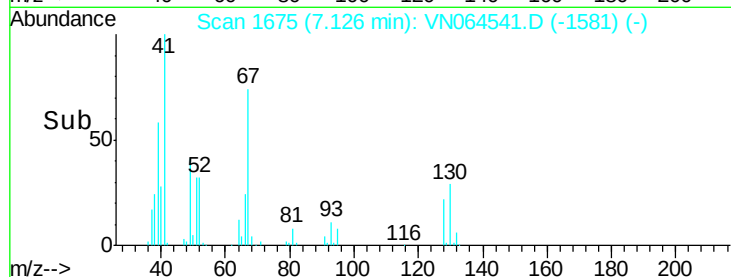
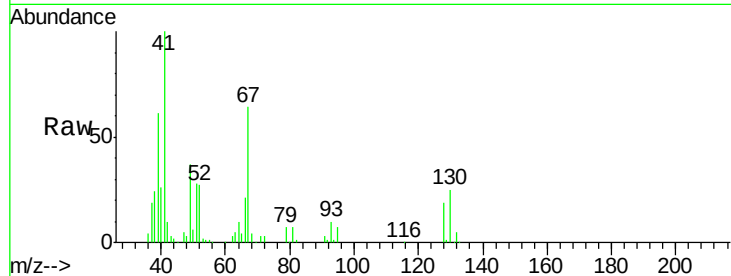
#41
Methacrylonitrile
Concen: 50.799 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.2	50.0	75.0
67	76.2	68.3	102.5
52	33.3	32.7	49.1

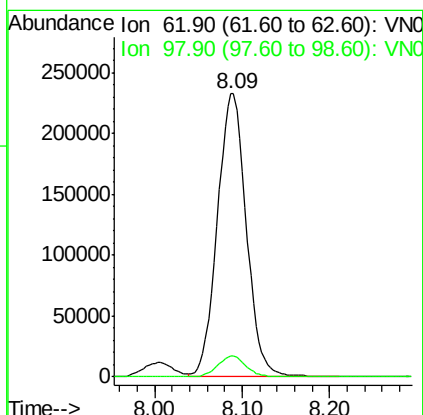
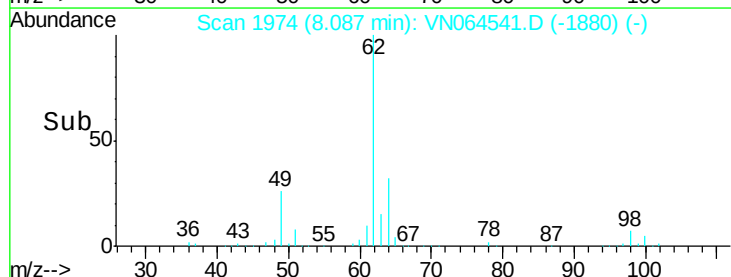
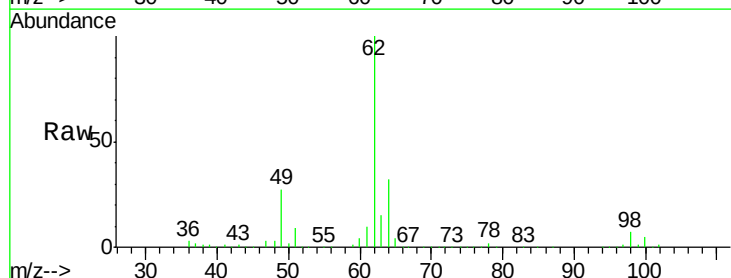
Manual Integrations
APPROVED

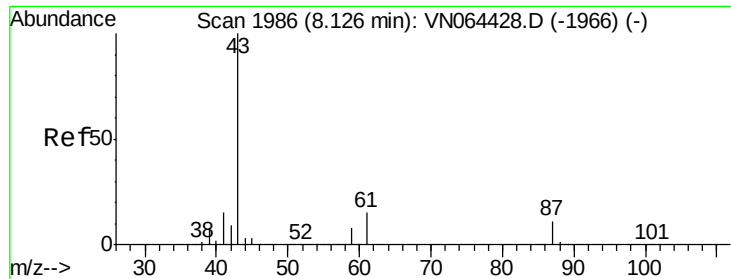
MMDadoda
11/11/2020 1:02:10 PM



#42
1,2-Dichloroethane
Concen: 74.441 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	14.0





#43

Isopropyl Acetate

Concen: 49.306 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

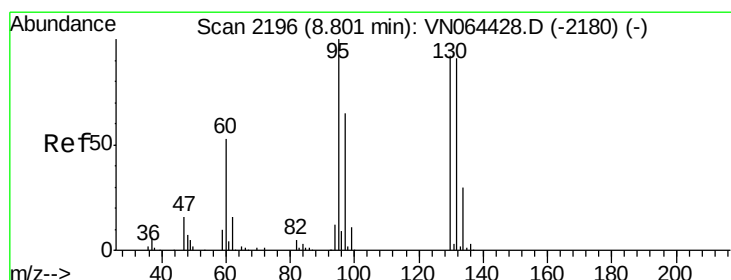
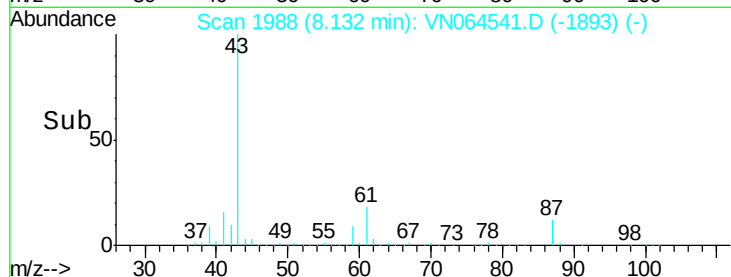
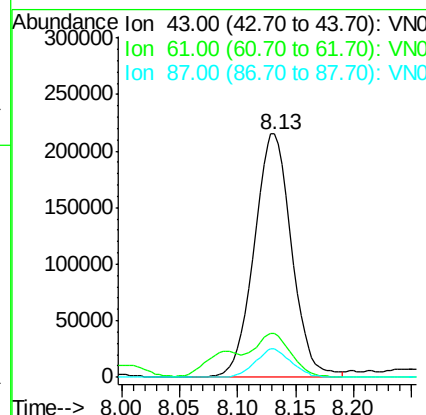
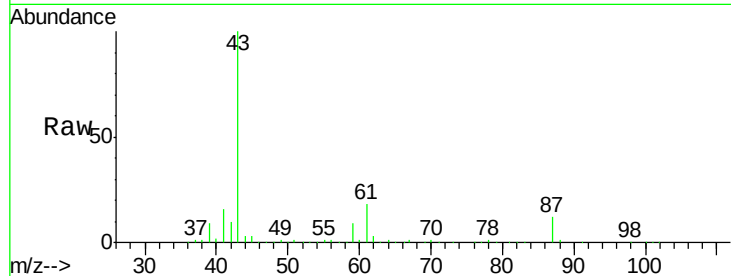
ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion:	43	Resp:	481975
Ion	Ratio	Lower	Upper
43	100		
61	16.6	14.0	21.0
87	11.5	9.1	13.7

Manual Integrations
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#44

Trichloroethene

Concen: 48.519 ug/l

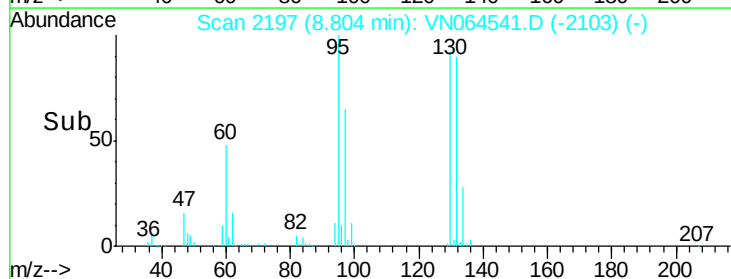
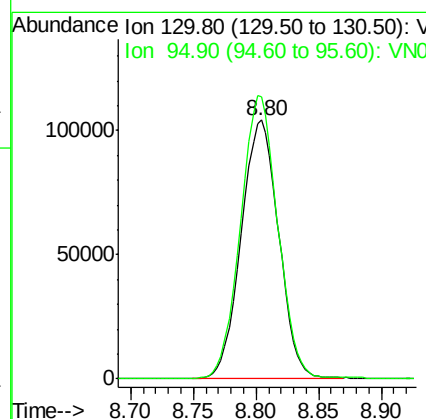
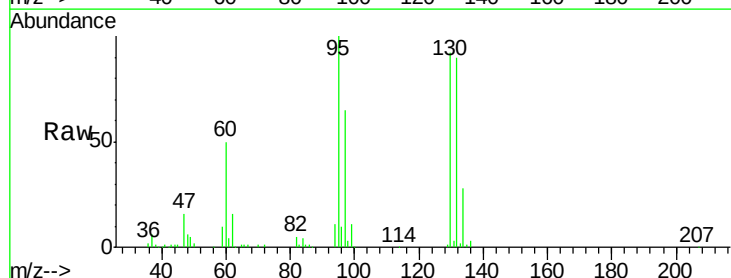
RT: 8.80 min Scan# 2197

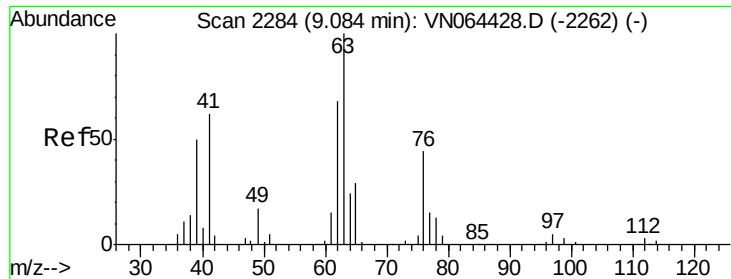
Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Tgt Ion:	130	Resp:	216971
Ion	Ratio	Lower	Upper
130	100		
95	108.9	0.0	216.8





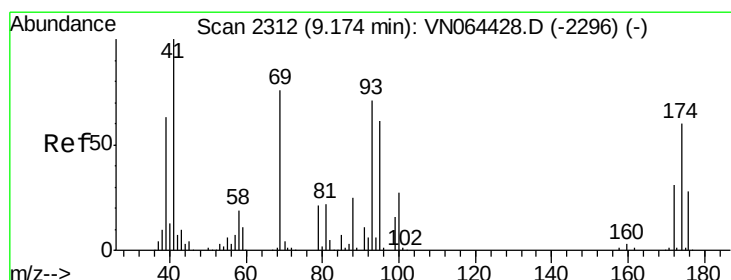
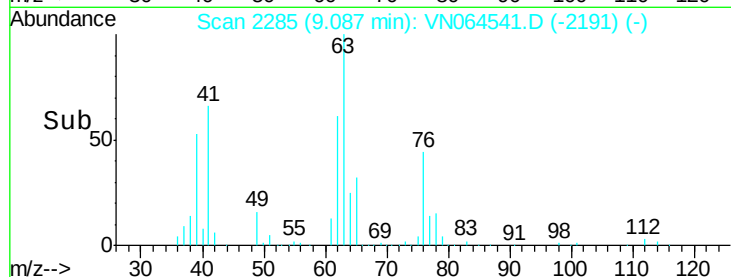
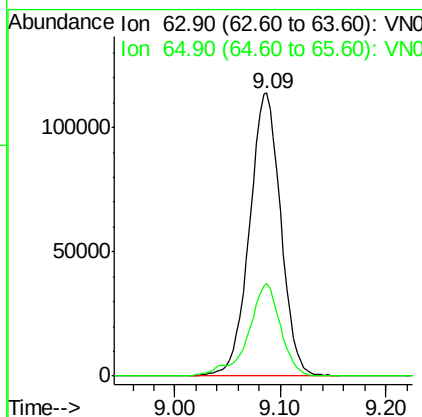
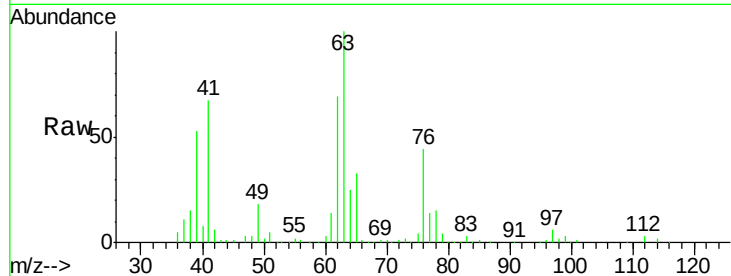
#45
 1,2-Dichloropropane
 Concen: 49.771 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion: 63 Resp: 235384
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.6 35.4

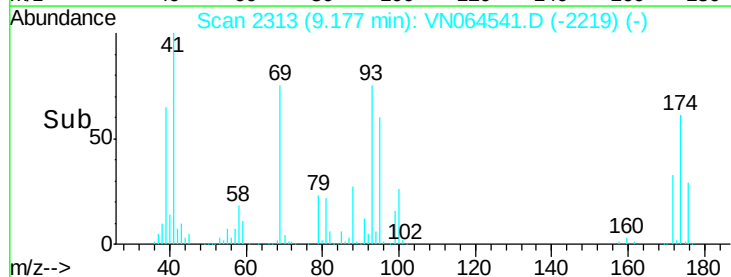
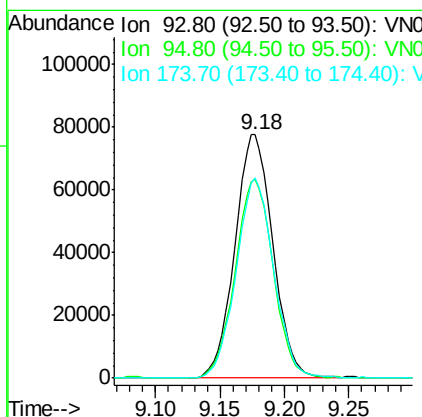
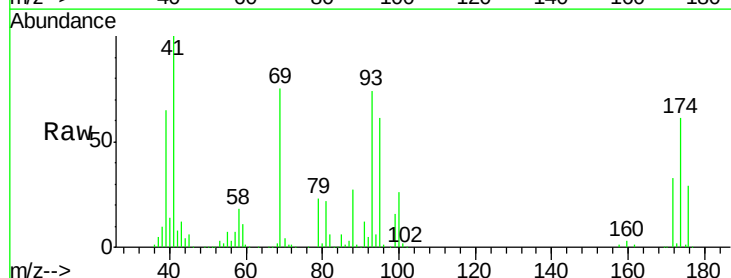
Manual Integrations
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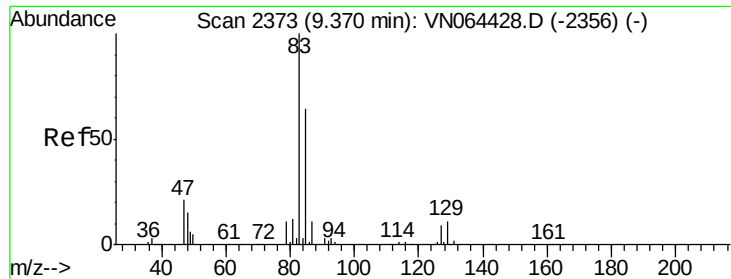
MMDadoda
 11/11/2020 1:02:10 PM



#46
 Dibromomethane
 Concen: 51.076 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 93 Resp: 159014
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.4 99.6
 174 81.2 67.2 100.8





#47

Bromodichloromethane

Concen: 51.439 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

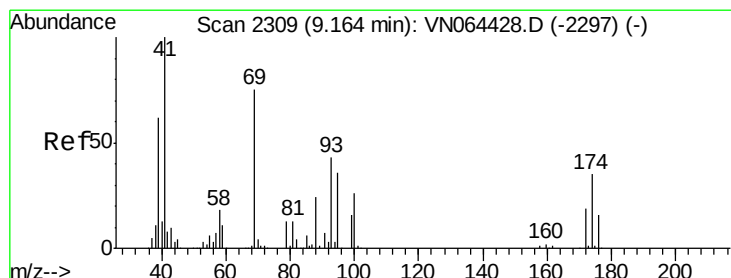
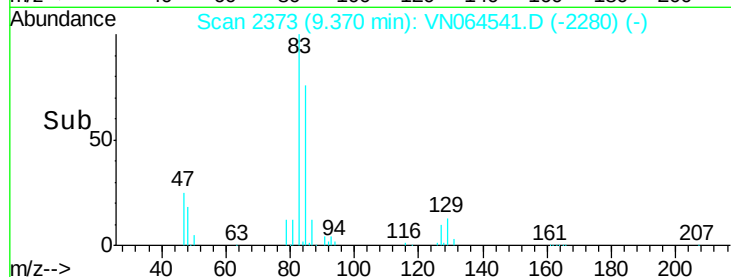
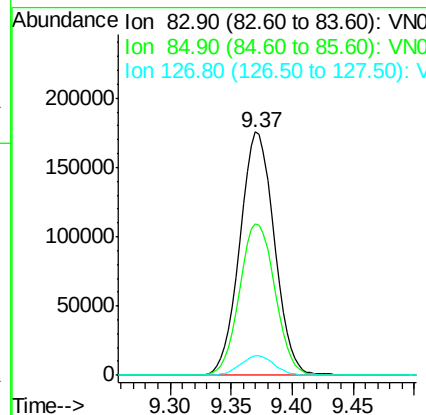
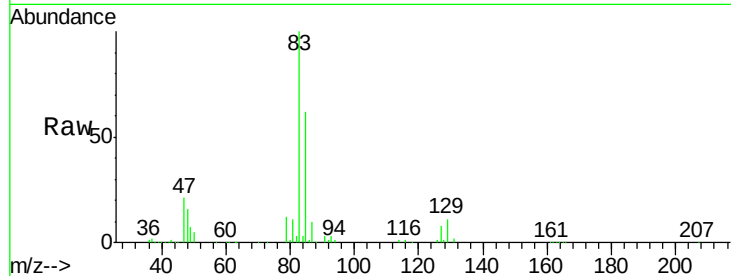
ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion:	83	Resp:	344339
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.2	76.8
127	7.9	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.822 ug/l

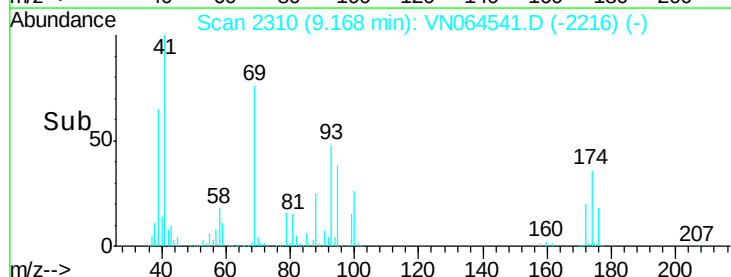
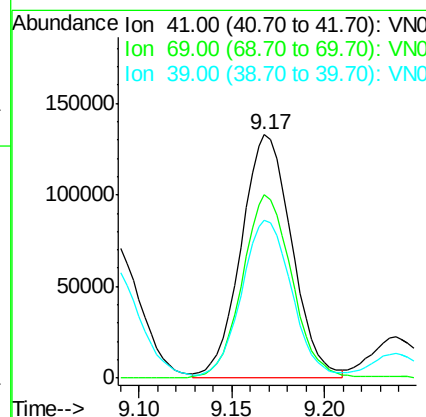
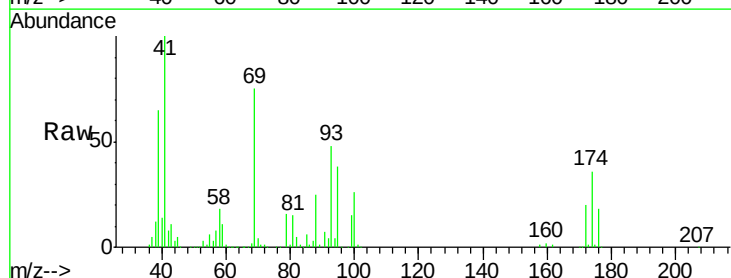
RT: 9.17 min Scan# 2310

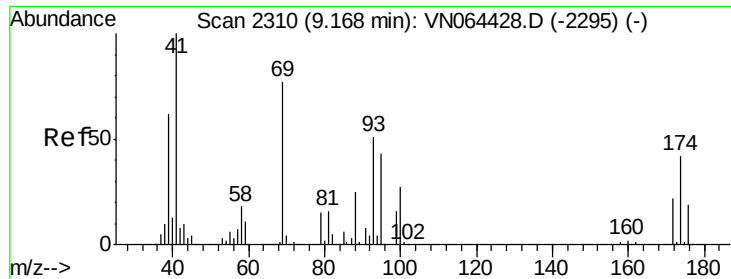
Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Tgt Ion:	41	Resp:	250684
Ion	Ratio	Lower	Upper
41	100		
69	74.4	60.4	90.6
39	64.2	51.2	76.8





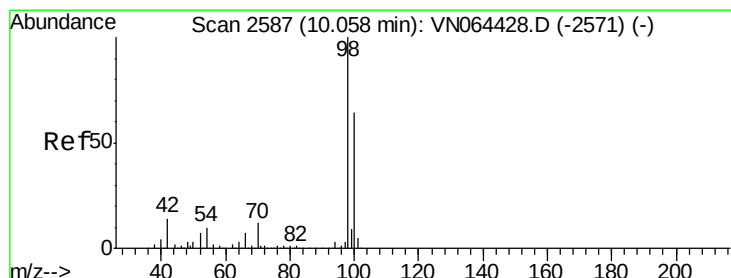
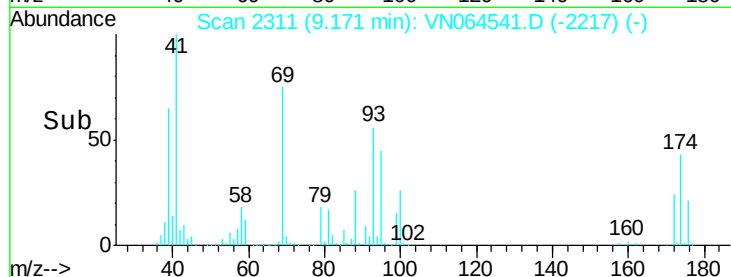
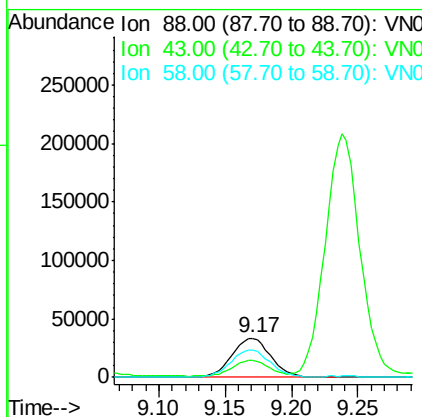
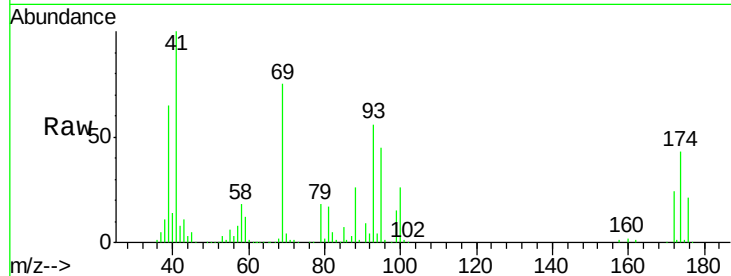
#49
1,4-Dioxane
Concen: 1059.405 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100	68828		
43	37.9		31.0	46.6
58	70.8		58.4	87.6

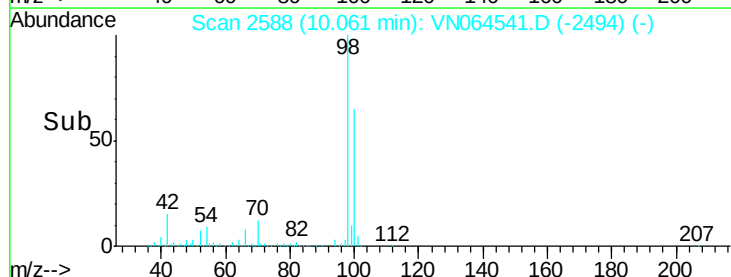
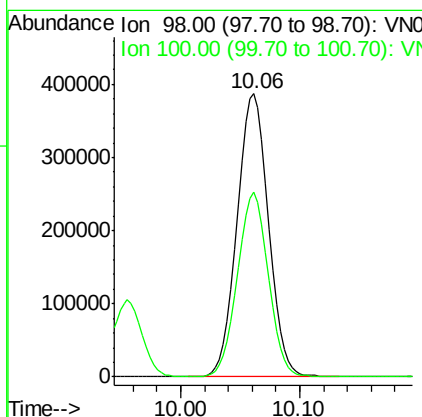
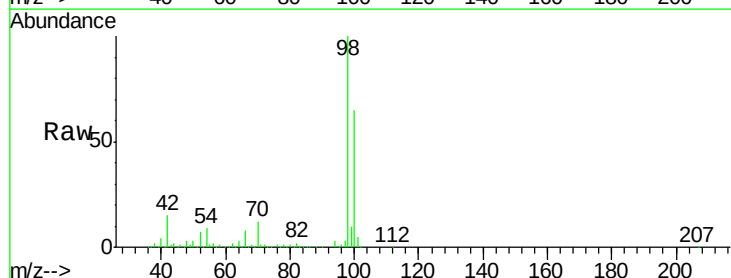
Manual Integrations
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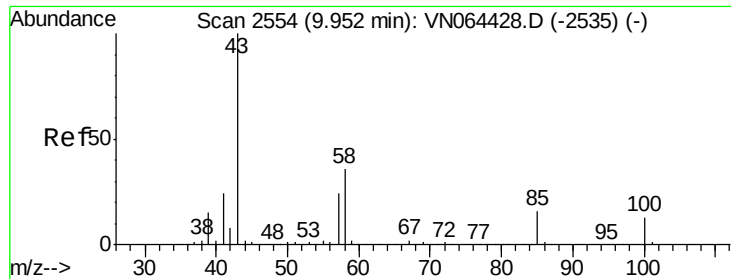
MMDadoda
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#50
Toluene-d8
Concen: 47.188 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	708999		
100	63.9		50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 257.261 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion: 43 Resp: 1466528

Ion Ratio Lower Upper

43 100

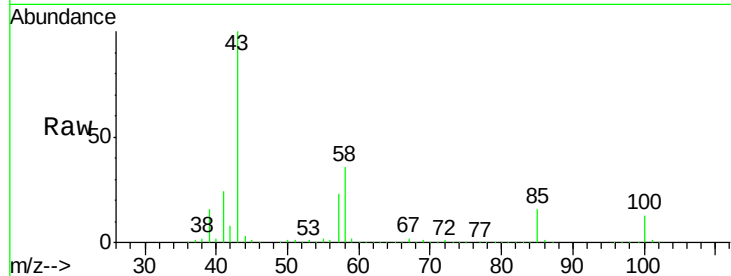
58 36.0 28.4 42.6

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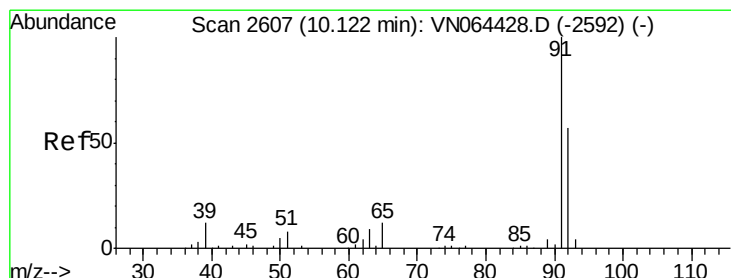
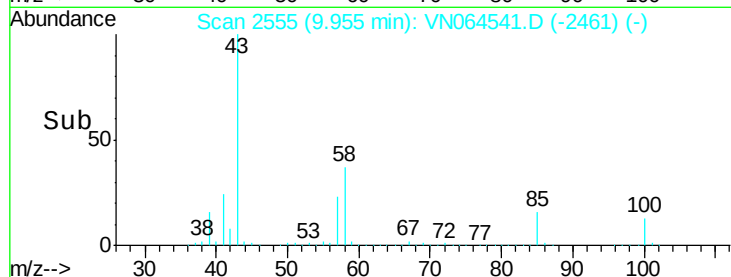
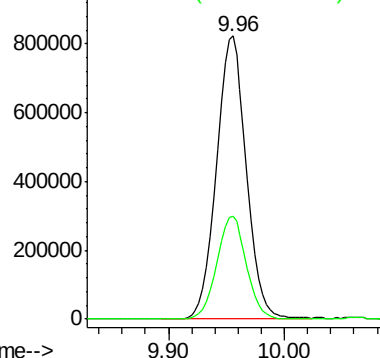
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.768 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064541.D

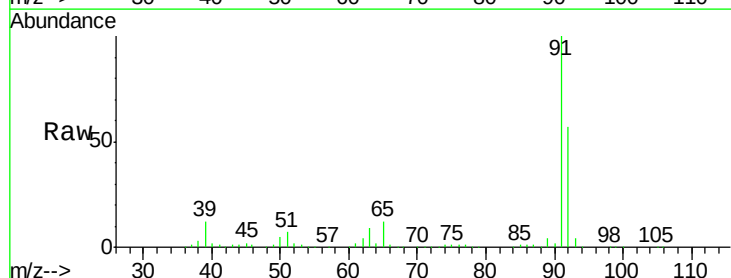
Acq: 10 Nov 2020 21:26

Tgt Ion: 92 Resp: 548826

Ion Ratio Lower Upper

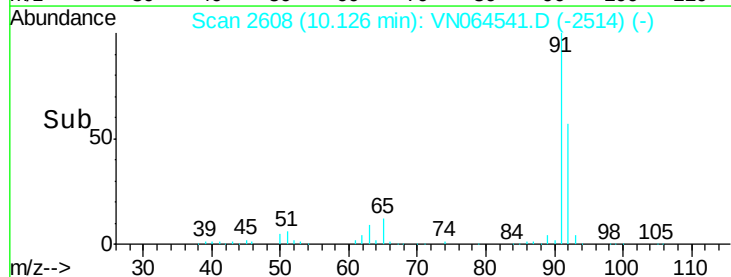
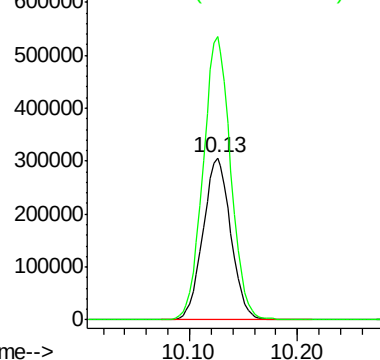
92 100

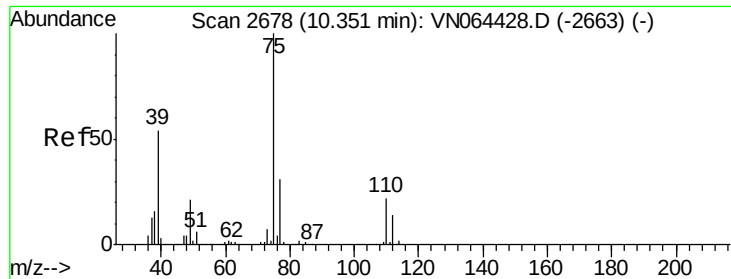
91 174.0 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





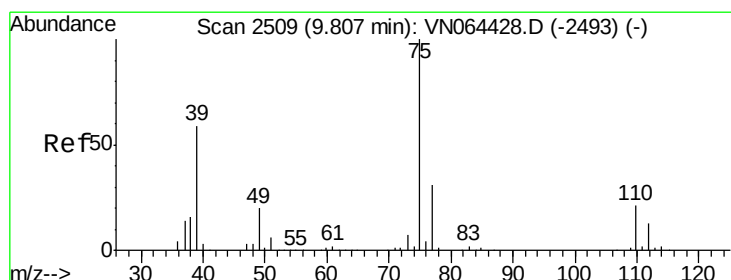
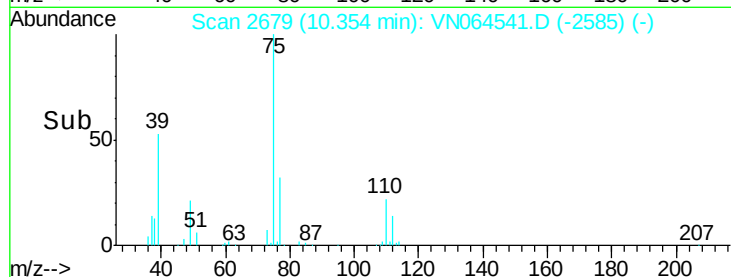
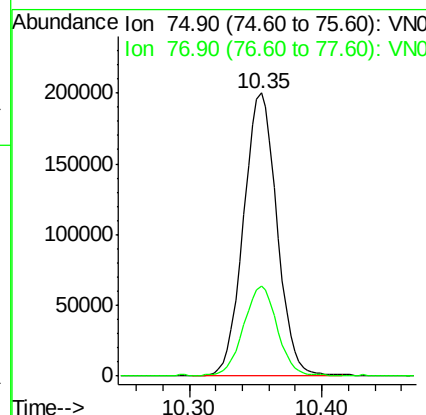
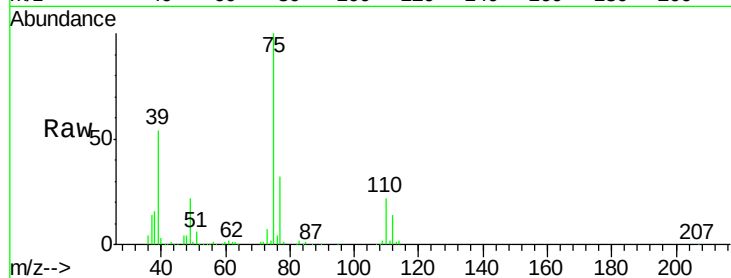
#53
t-1,3-Dichloropropene
Concen: 49.458 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion: 75 Resp: 350999
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2

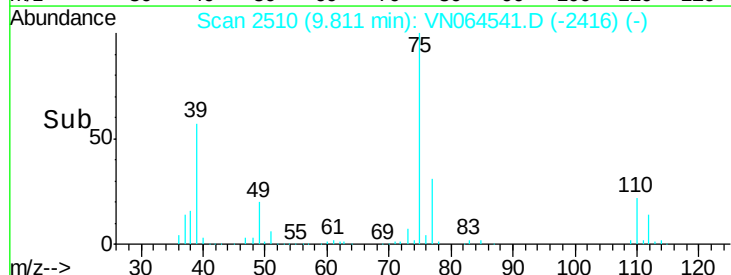
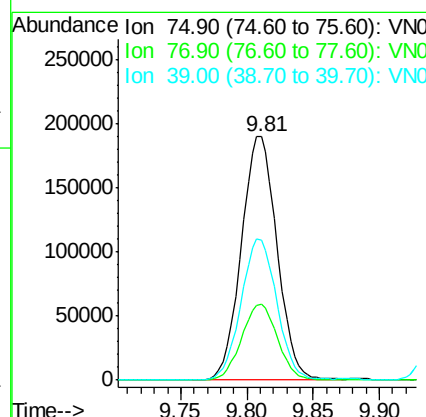
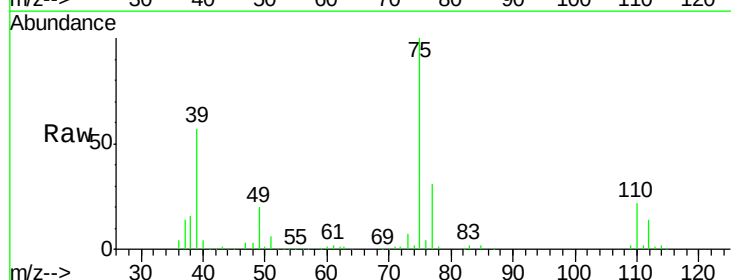
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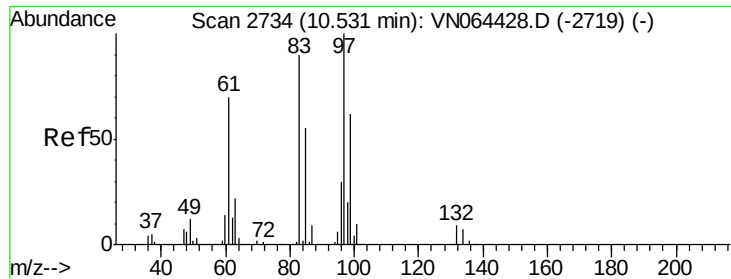
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.053 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion: 75 Resp: 357032
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3
39 57.4 47.1 70.7





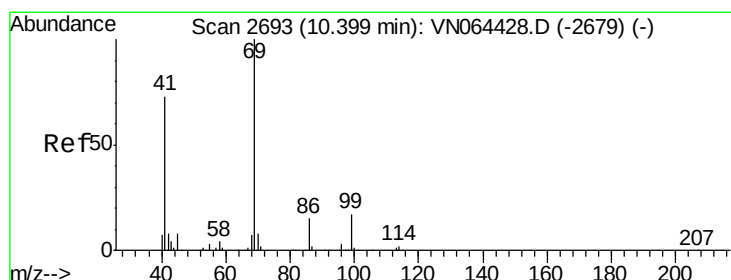
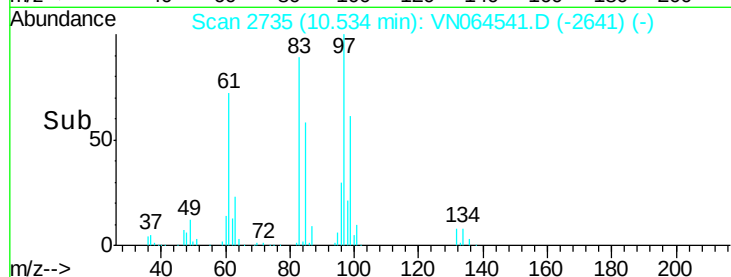
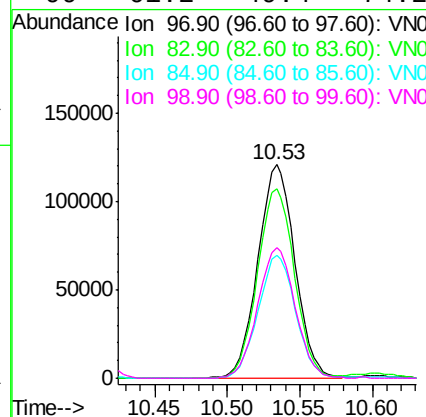
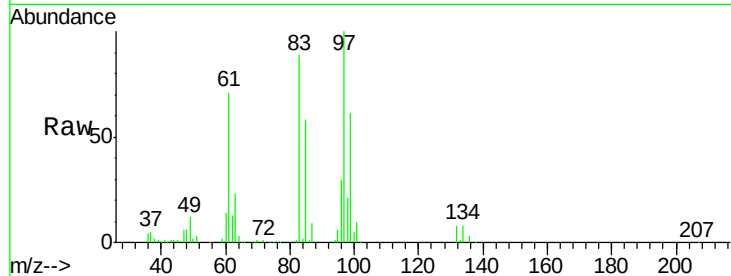
#55
 1,1,2-Trichloroethane
 Concen: 51.082 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion:	97	Resp:	215366
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.7	107.5
85	57.8	44.3	66.5
99	61.2	49.4	74.2

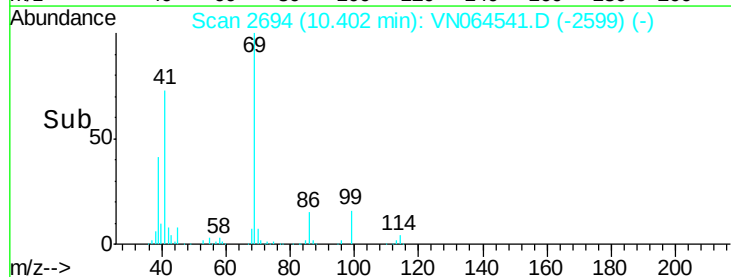
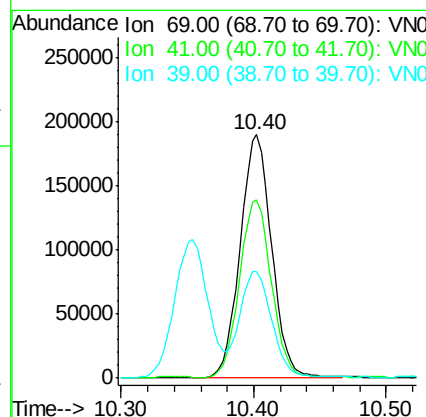
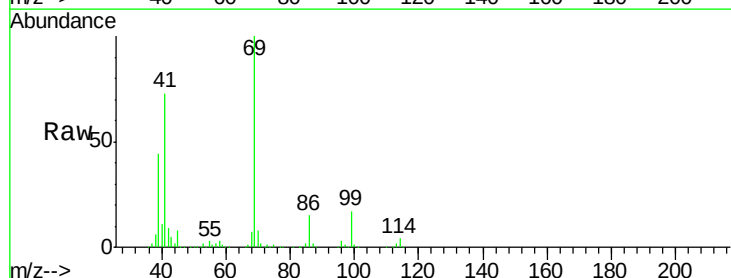
Manual Integrations
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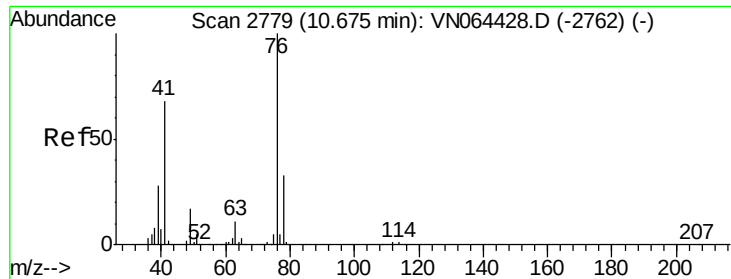
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#56
 Ethyl methacrylate
 Concen: 45.428 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion:	69	Resp:	313904
Ion	Ratio	Lower	Upper
69	100		
41	73.2	59.3	88.9
39	44.1	35.4	53.0





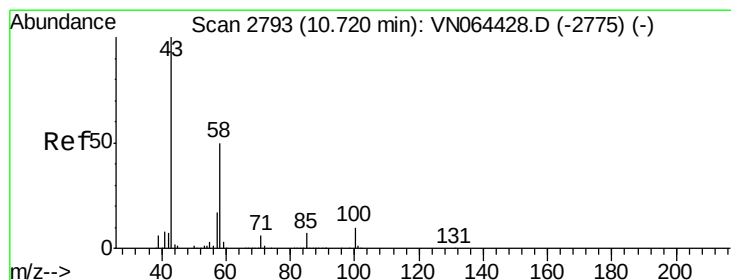
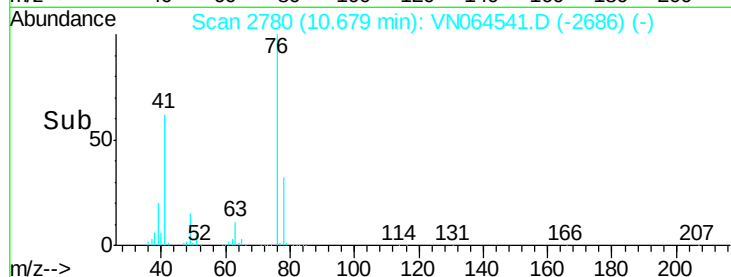
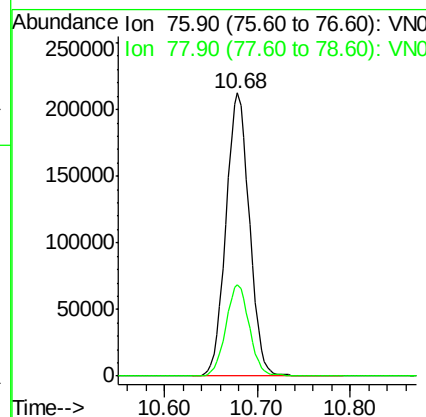
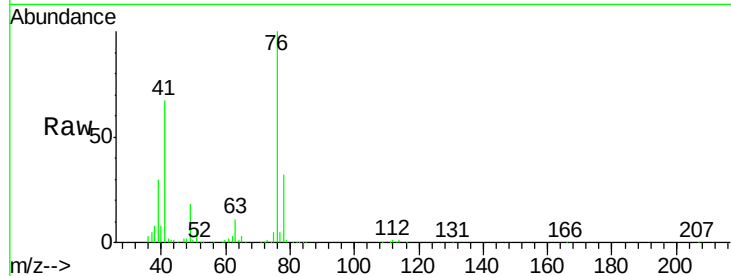
#57
 1,3-Dichloropropane
 Concen: 50.590 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

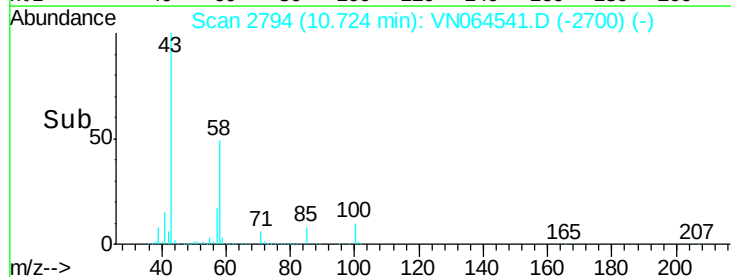
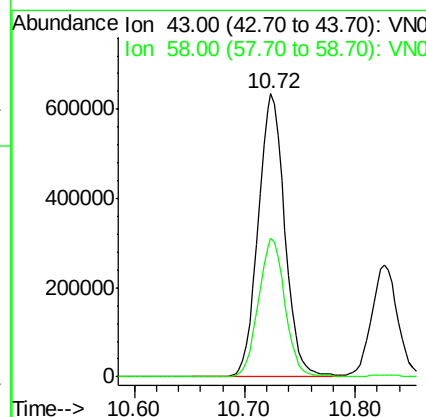
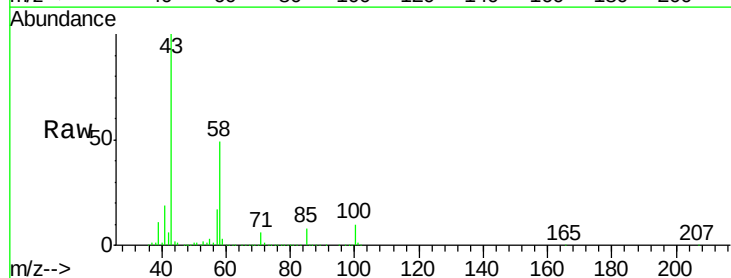
Manual Integrations
 APPROVED

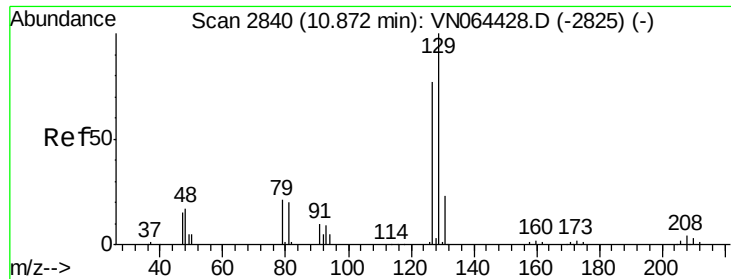
MMDadoda
 11/11/2020 1:02:10 PM



#59
 2-Hexanone
 Concen: 228.155 ug/l
 RT: 10.72 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.7	74.1





#60

Dibromochloromethane

Concen: 53.980 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion:129 Resp: 254803

Ion Ratio Lower Upper

129 100

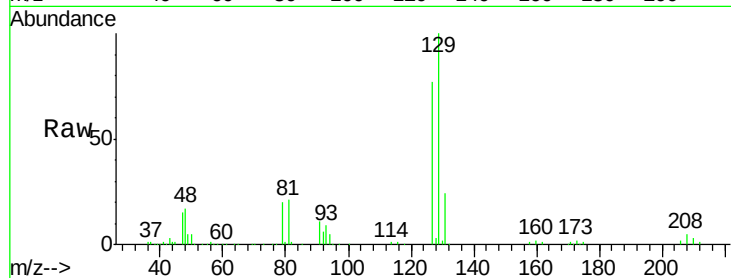
127 76.5 38.9 116.7

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.87

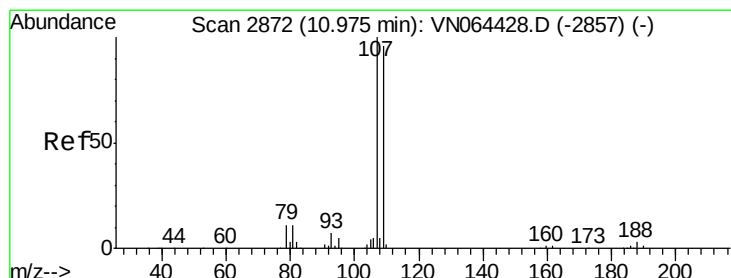
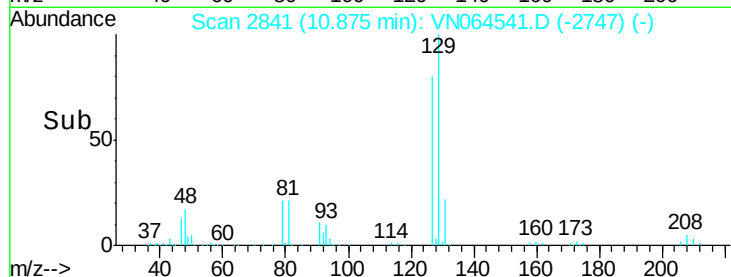
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 51.587 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064541.D

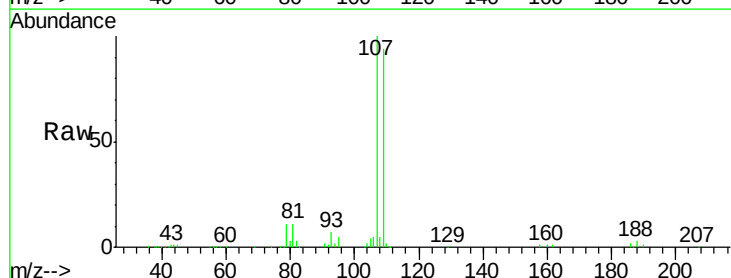
Acq: 10 Nov 2020 21:26

Tgt Ion:107 Resp: 220609

Ion Ratio Lower Upper

107 100

109 93.9 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

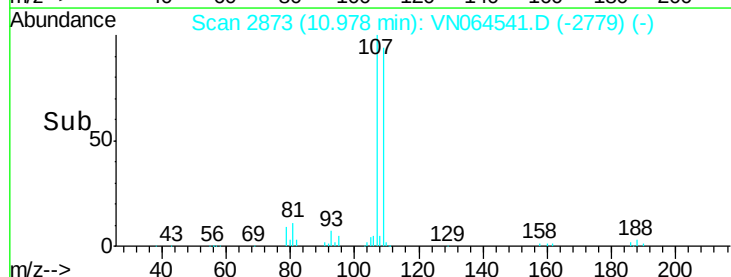
10.98

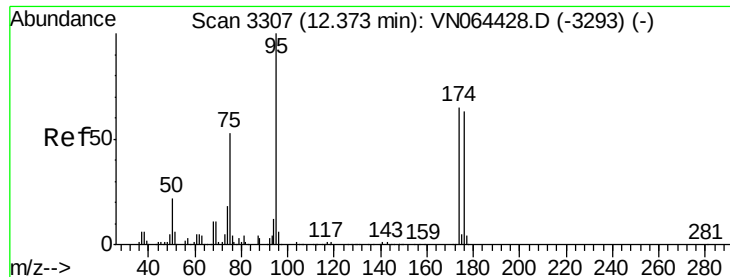
100000

50000

0

Time-->





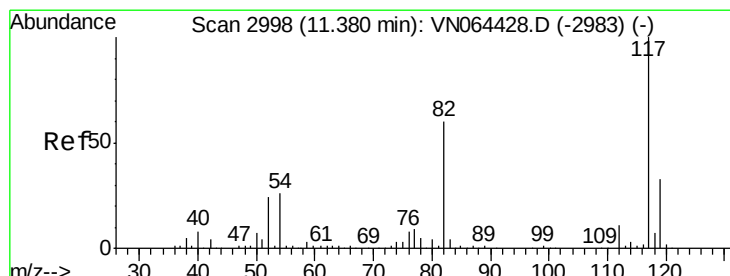
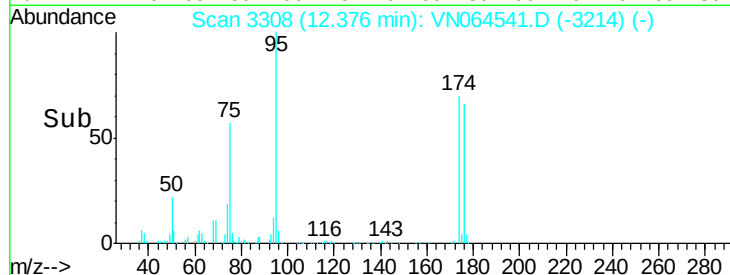
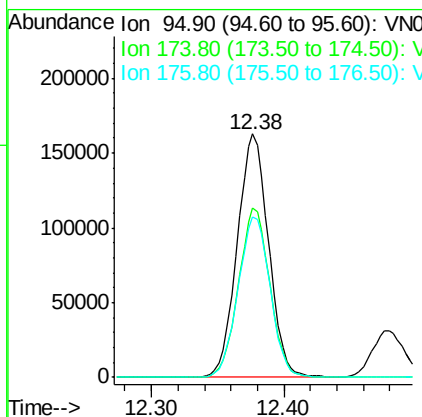
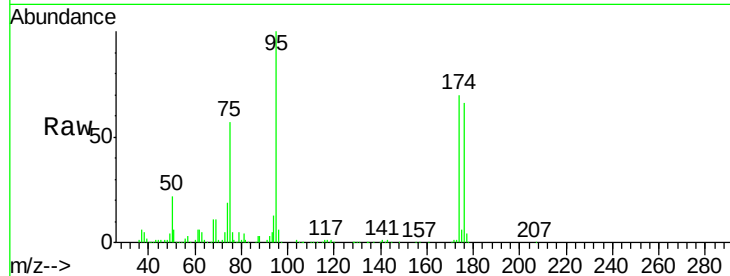
#62
4-Bromofluorobenzene
Concen: 46.948 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	132.6
176	67.6	0.0	129.2

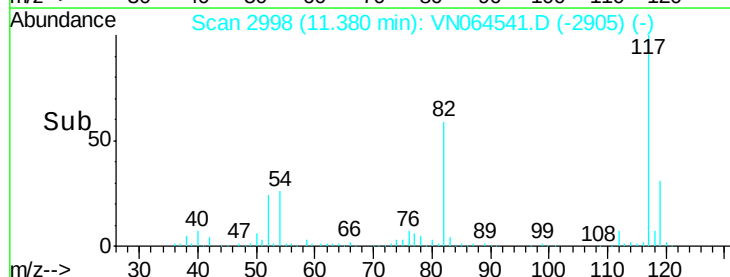
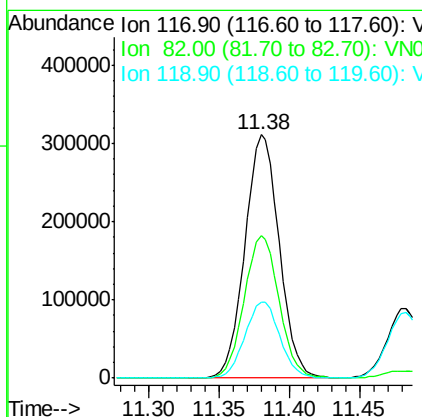
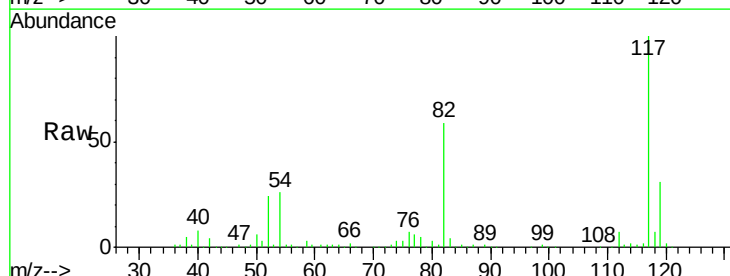
Manual Integrations
APPROVED

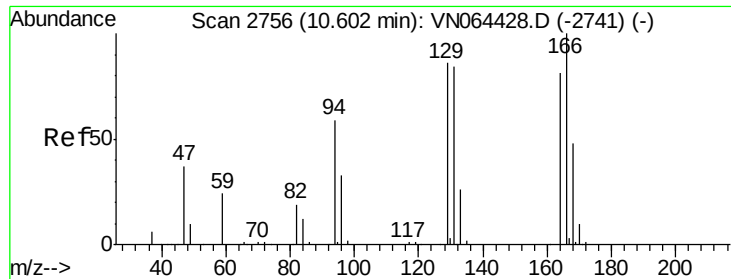
MMDadoda
11/11/2020 1:02:10 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.7	48.1	72.1
119	31.4	26.2	39.4





#64

Tetrachloroethene

Concen: 47.737 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

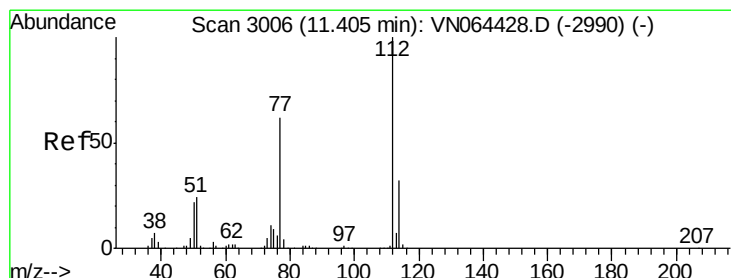
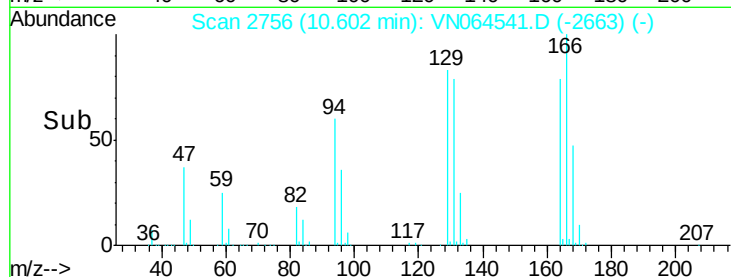
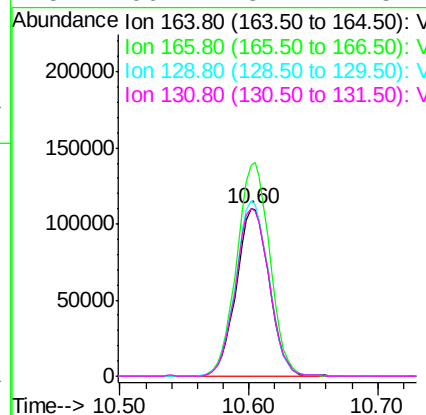
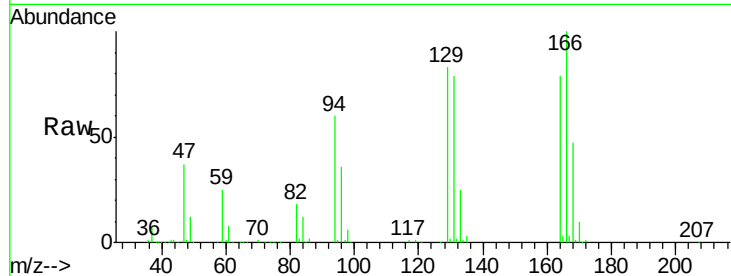
ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.6	98.2	147.2
129	104.9	84.6	127.0
131	100.4	82.2	123.2

Manual Integrations
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#65

Chlorobenzene

Concen: 48.811 ug/l

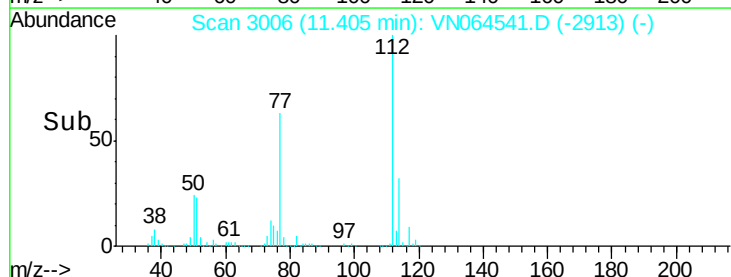
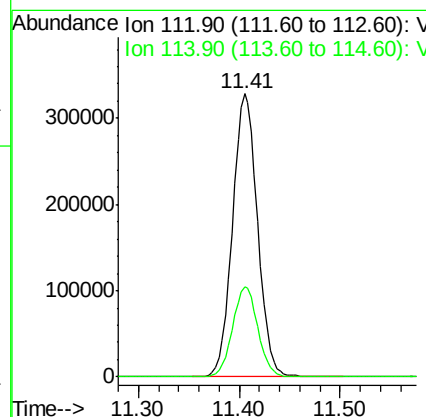
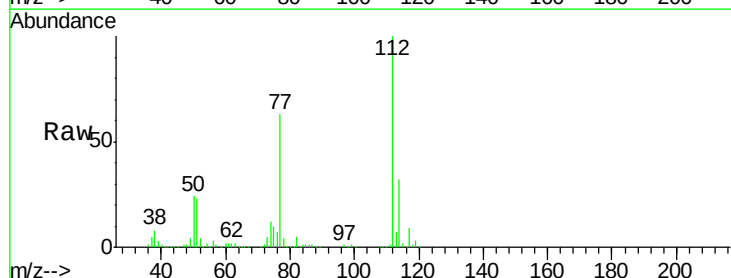
RT: 11.41 min Scan# 3006

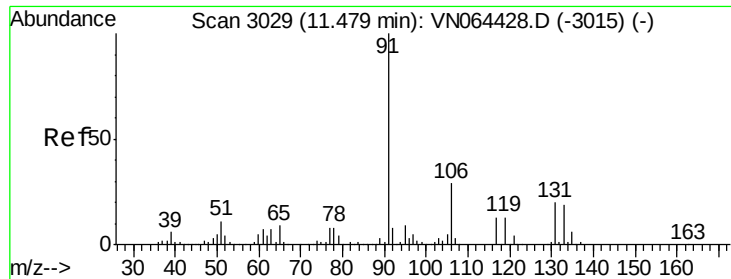
Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4





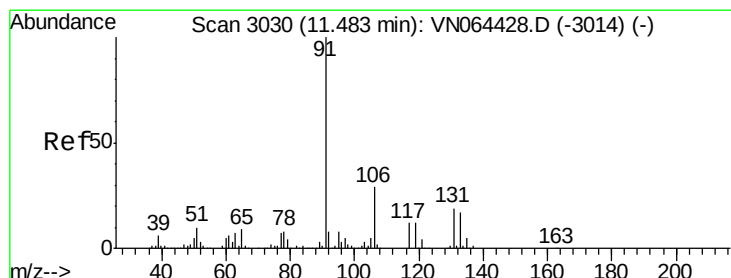
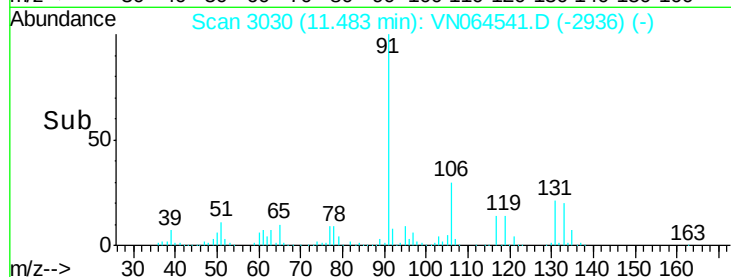
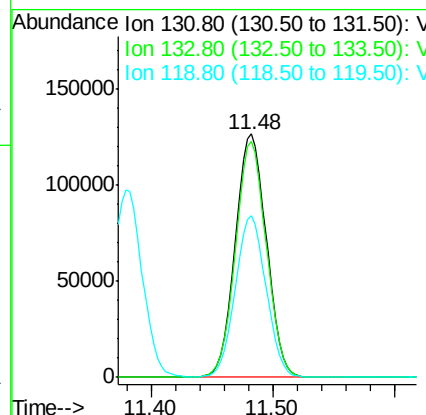
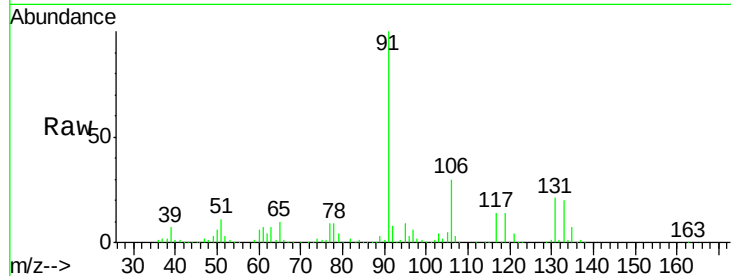
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.789 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.5	46.9	140.7
119	65.5	32.1	96.5

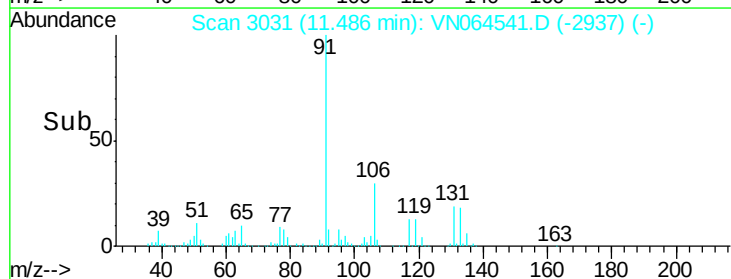
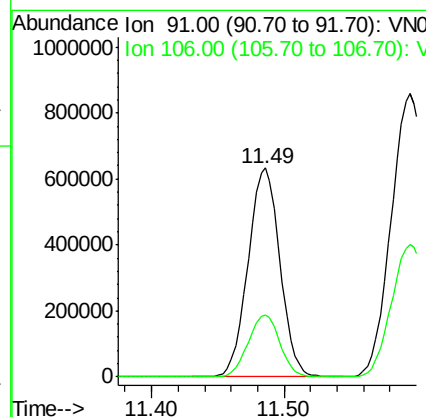
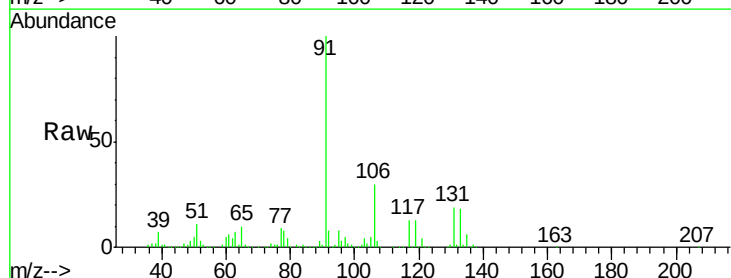
Manual Integrations
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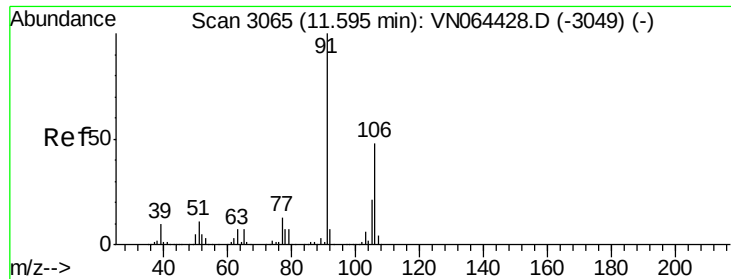
MMDadoda
 11/11/2020 1:02:10 PM



#67
 Ethyl Benzene
 Concen: 50.873 ug/l
 RT: 11.49 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.6	35.4





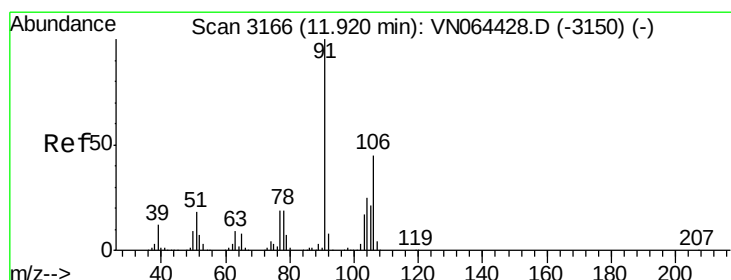
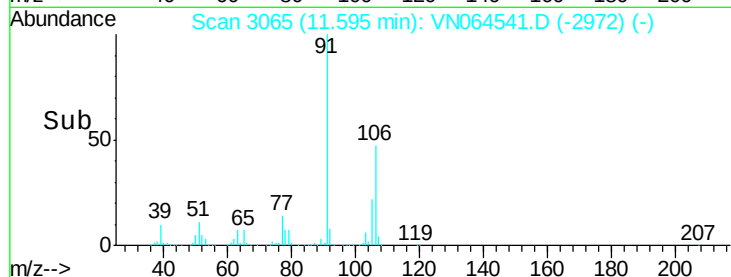
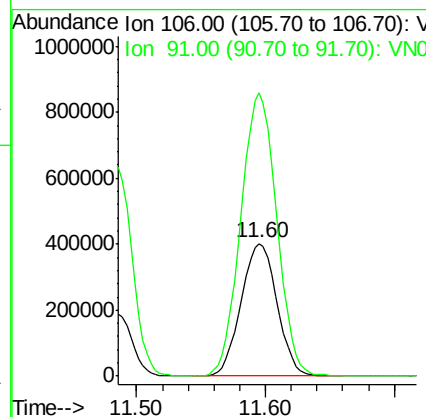
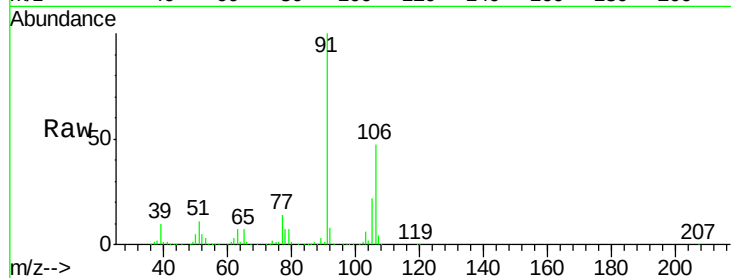
#68
m/p-Xylenes
Concen: 103.472 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.4	169.4	254.2	

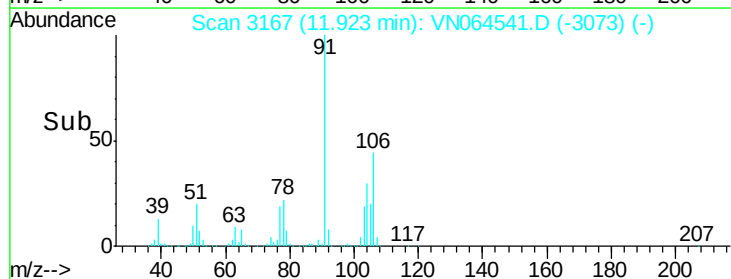
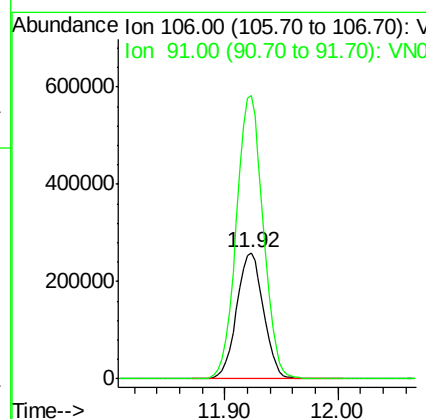
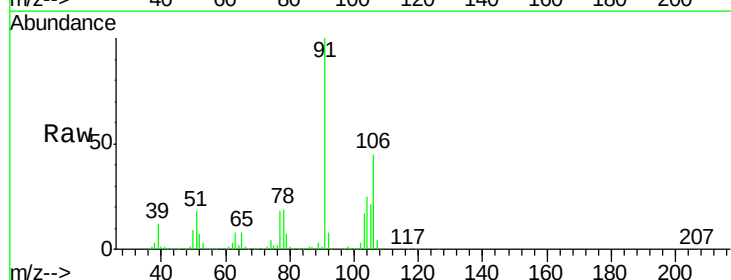
Manual Integrations
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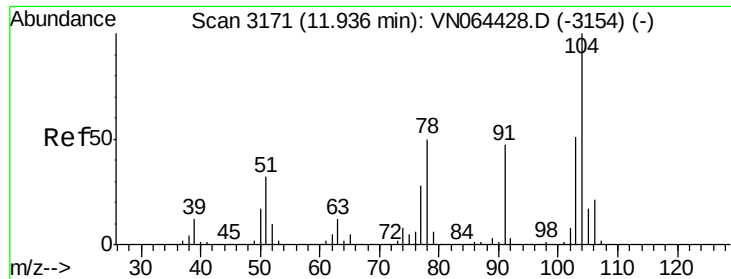
MMDadoda
11/11/2020 1:02:10 PM



#69
o-Xylene
Concen: 58.900 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	224.5	111.7	334.9	





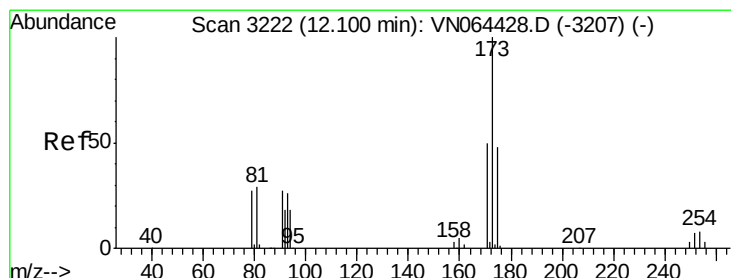
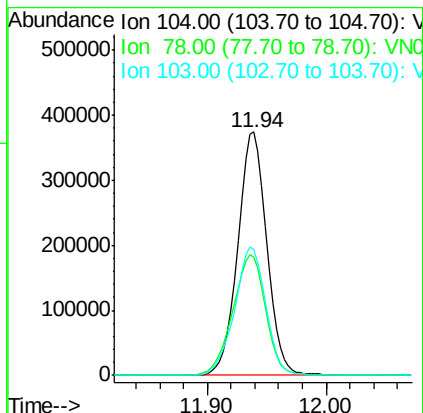
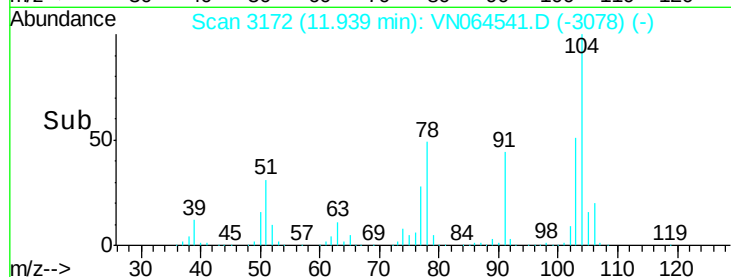
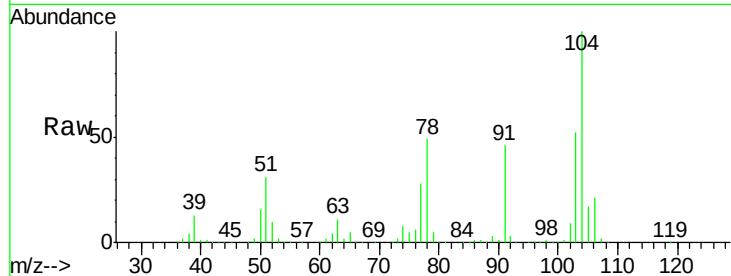
#70
Stvrene
Concen: 51.651 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.1	44.0	66.0
103	56.9	43.8	65.6

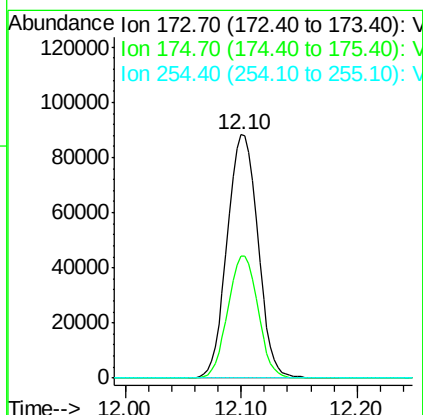
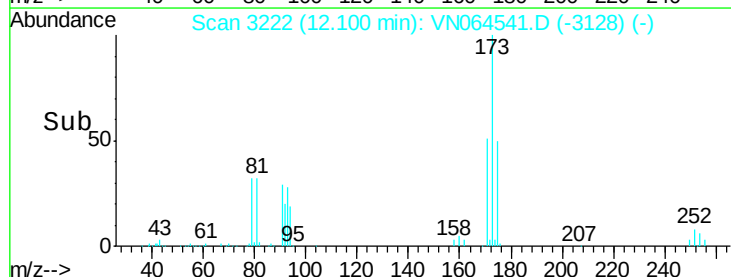
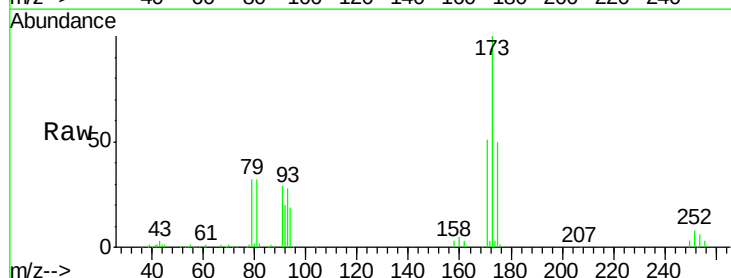
Manual Integrations
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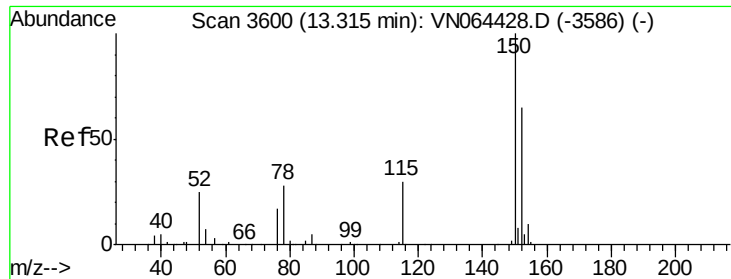
MMDadoda
11/11/2020 1:02:10 PM



#71
Bromoform
Concen: 49.631 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.7	71.1
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion:152 Resp: 254690

Ion Ratio Lower Upper

152 100

115 66.1 32.0 96.0

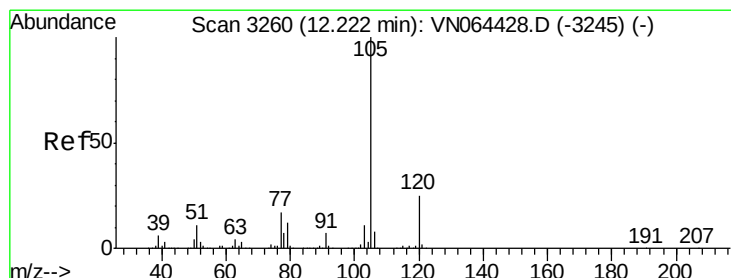
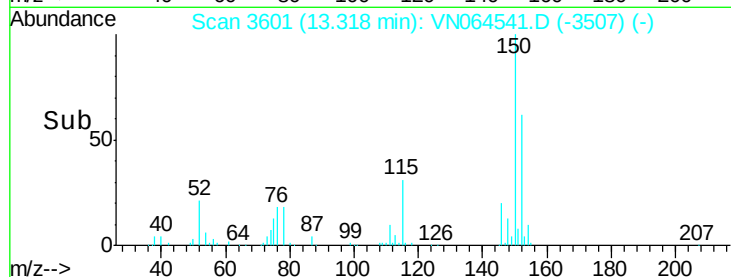
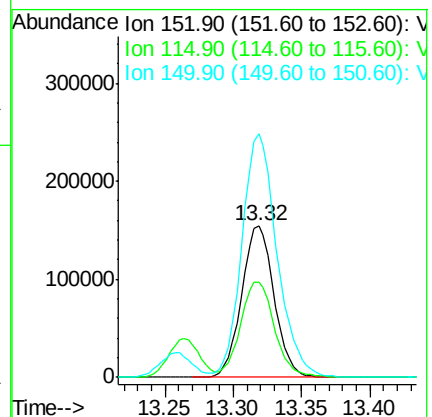
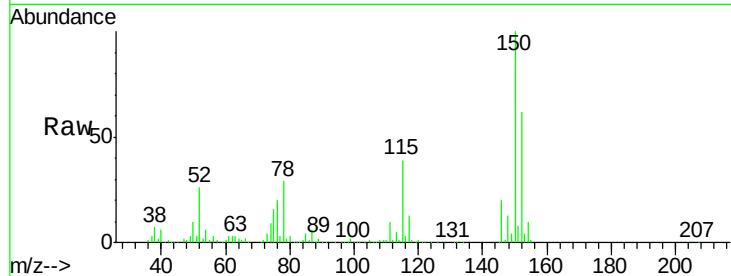
150 174.0 0.0 353.8

Manual Integrations

APPROVED

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#73

Isopropylbenzene

Concen: 50.600 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064541.D

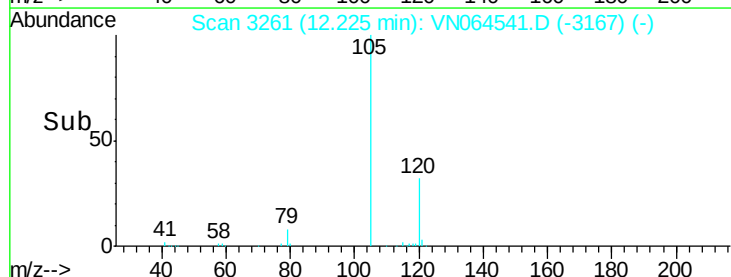
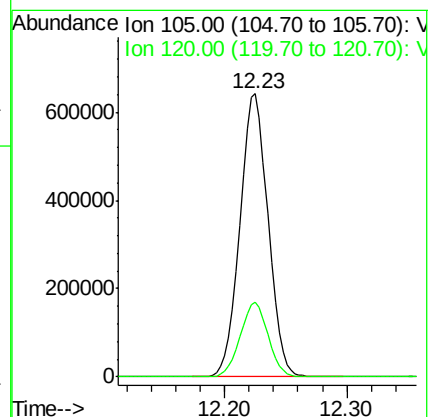
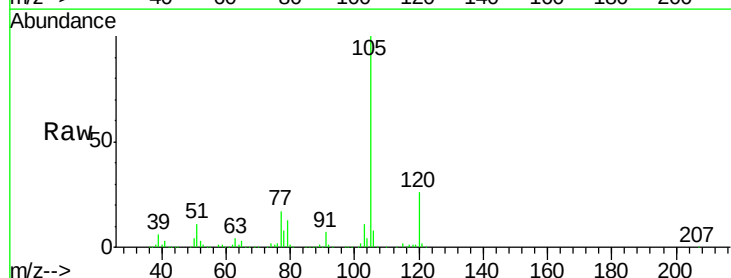
Acq: 10 Nov 2020 21:26

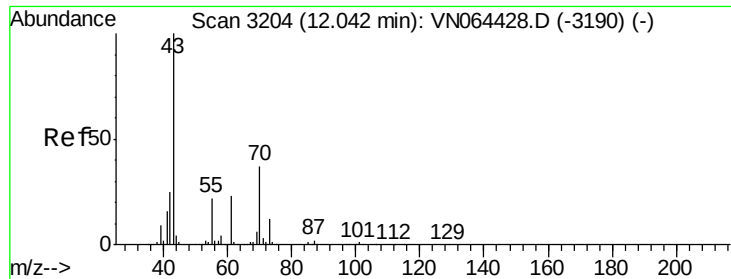
Tgt Ion:105 Resp: 1024326

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.3





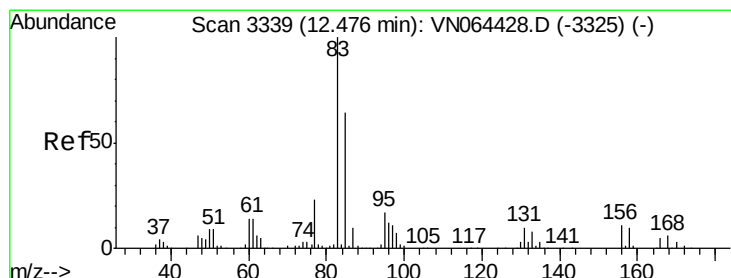
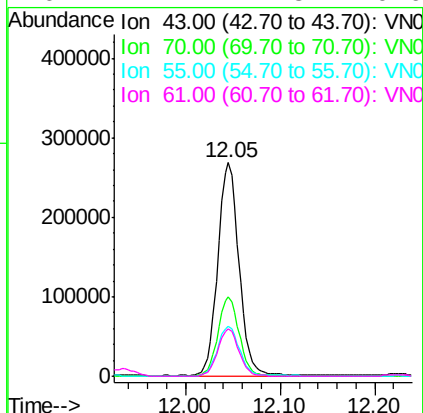
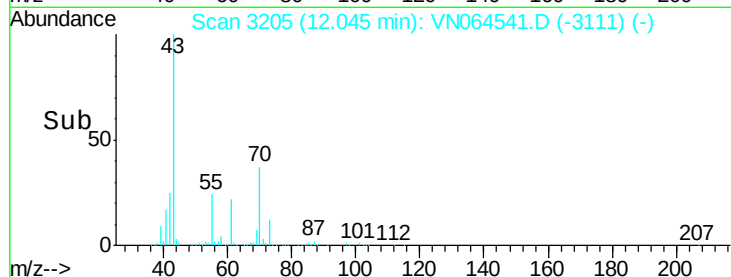
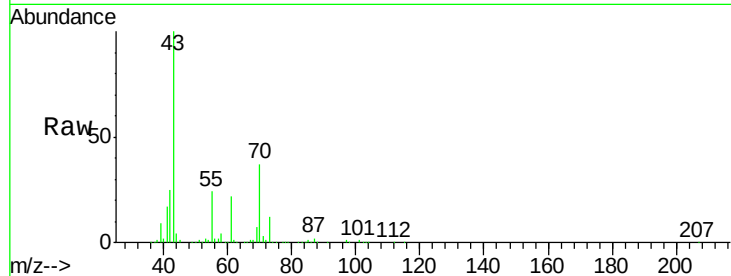
#74
N-amvl acetate
Concen: 42.668 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		417130		
70	37.6	29.6	44.4		
55	24.4	18.4	27.6		
61	22.2	17.8	26.6		

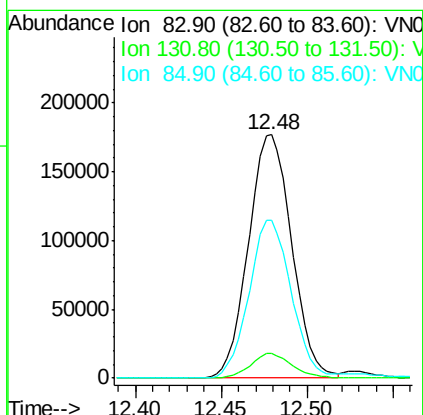
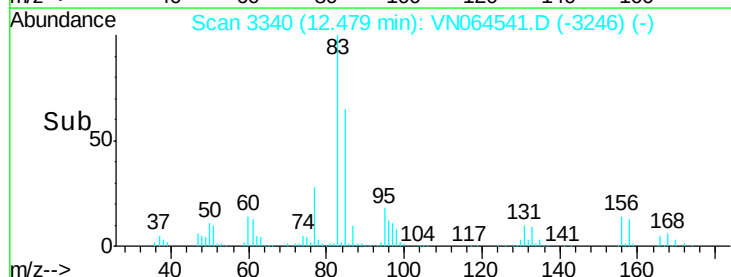
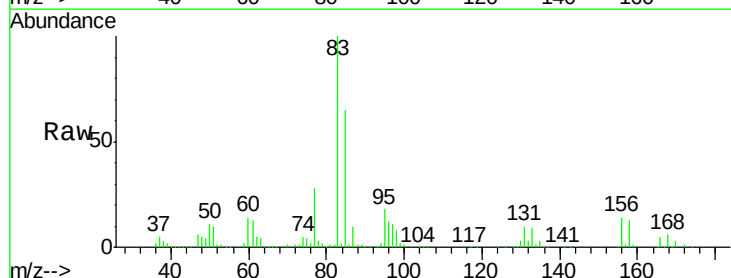
Manual Integrations
APPROVED

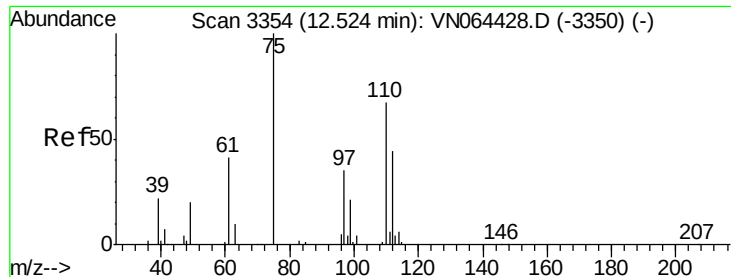
MMDadoda
11/11/2020 1:02:10 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 49.539 ug/l
RT: 12.48 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		308028		
131	9.9	4.9	14.7		
85	63.1	32.1	96.5		





#76

1,2,3-Trichloropropane

Concen: 45.920 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion: 75 Resp: 283369

Ion Ratio Lower Upper

75 100

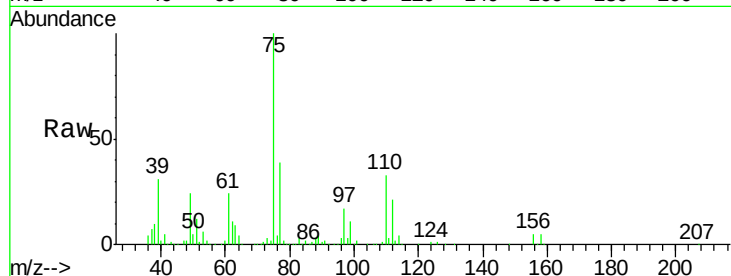
77 0.0 0.0 0.0

Manual Integrations

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11/11/2020 1:02:10 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

300000

250000

200000

150000

100000

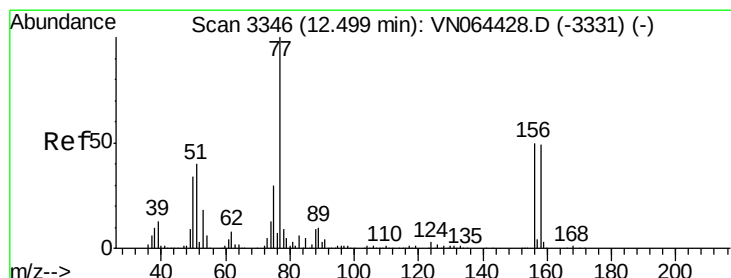
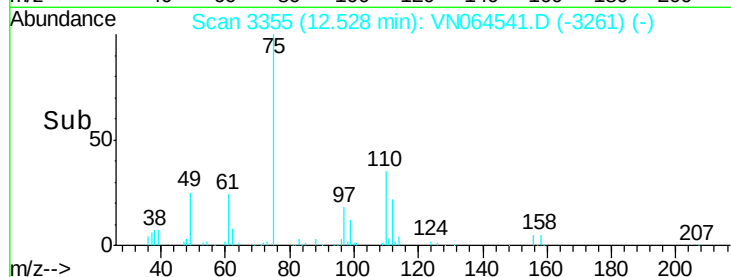
50000

0

12.50

12.55

Time-->



#77

Bromobenzene

Concen: 47.601 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

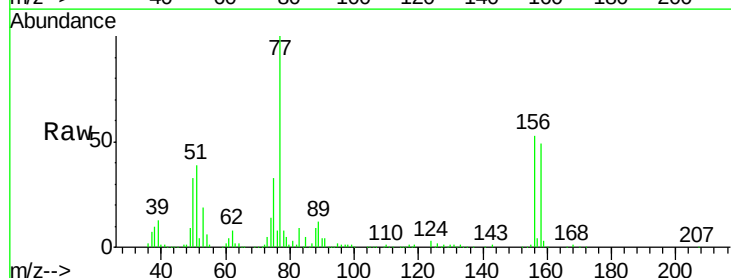
Tgt Ion: 156 Resp: 235258

Ion Ratio Lower Upper

156 100

77 230.7 119.0 357.0

158 95.7 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

300000

200000

100000

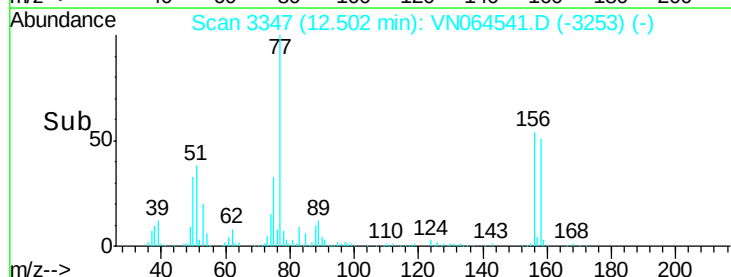
0

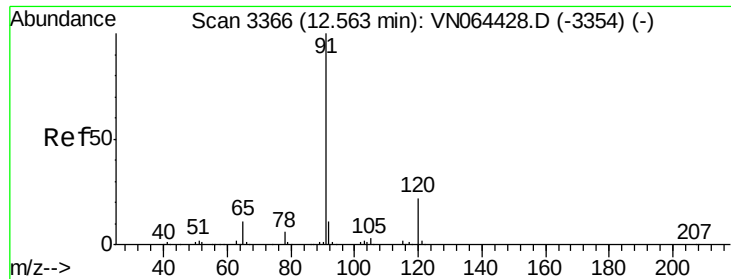
12.40

12.50

12.60

Time-->





#78

n-propylbenzene

Concen: 49.089 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion: 91 Resp: 1132926

Ion Ratio Lower Upper

91 100

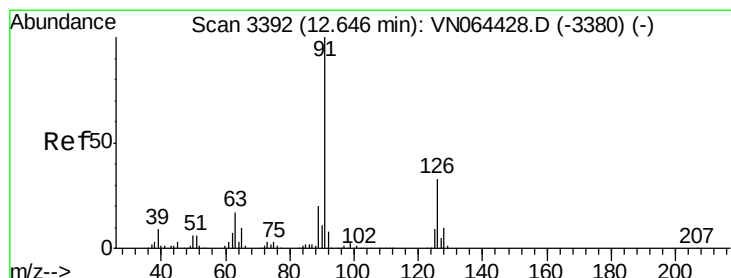
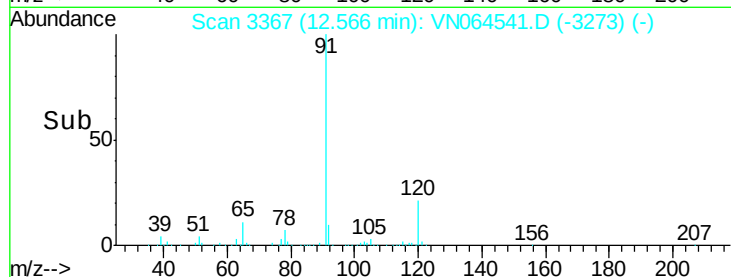
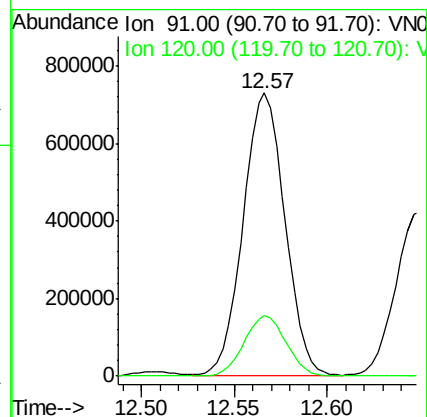
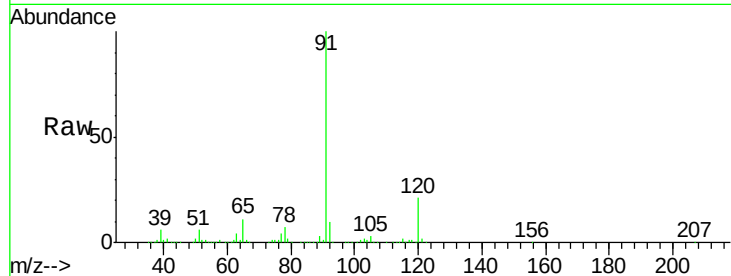
120 21.6 11.0 33.0

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#79

2-Chlorotoluene

Concen: 47.558 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064541.D

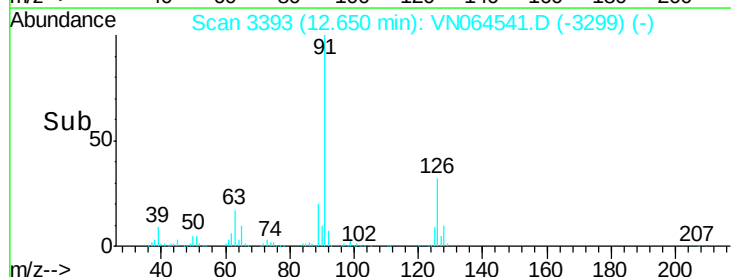
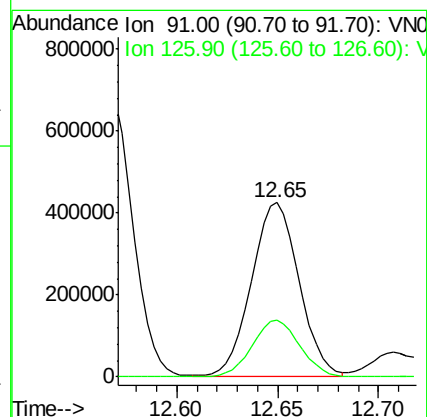
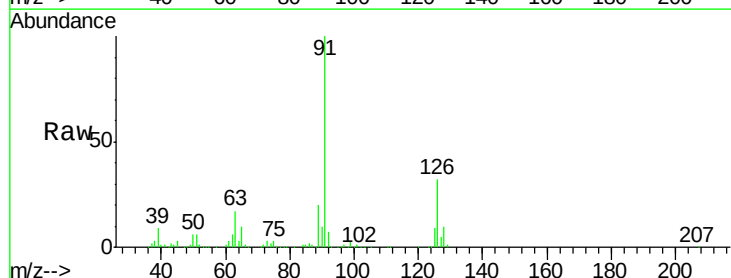
Acq: 10 Nov 2020 21:26

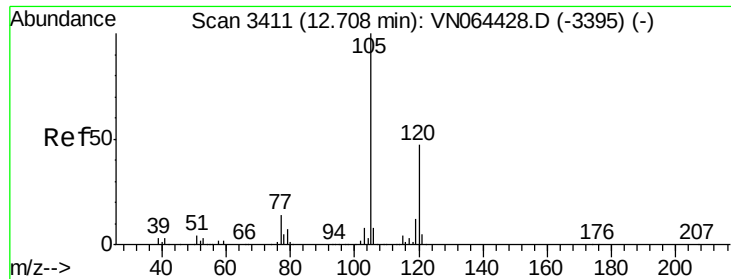
Tgt Ion: 91 Resp: 696151

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1





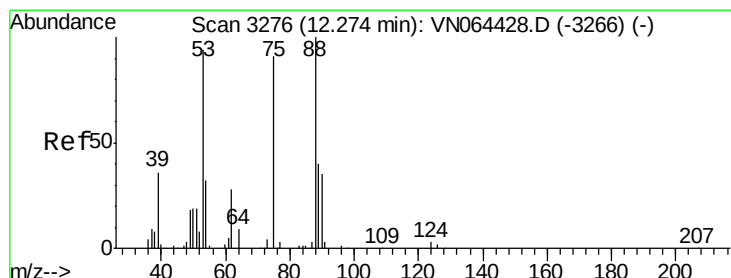
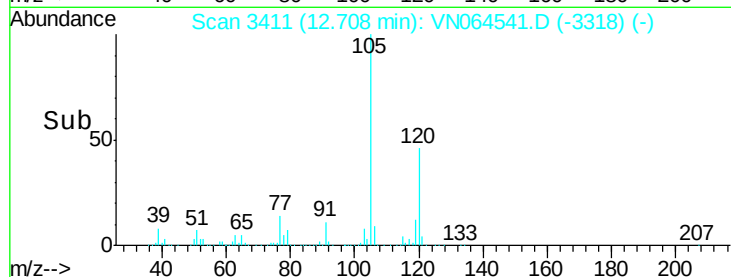
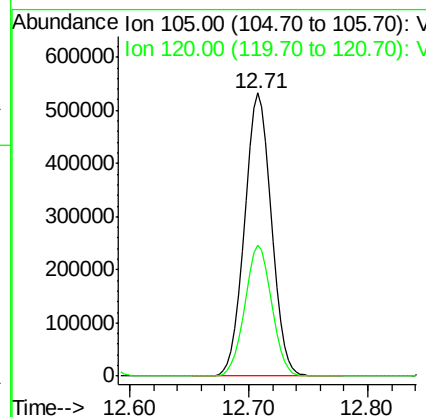
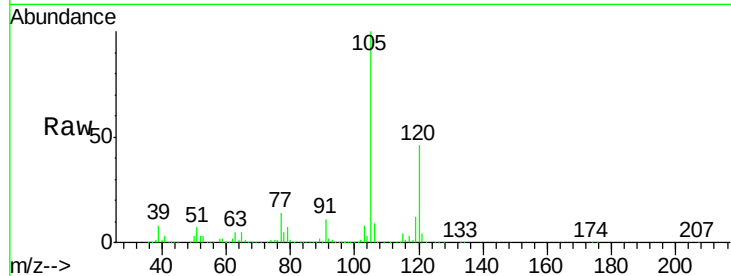
#80
 1,3,5-Trimethylbenzene
 Concen: 49.623 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion: 105 Resp: 828718
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.2

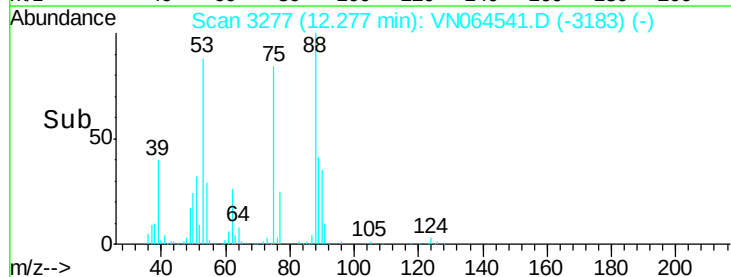
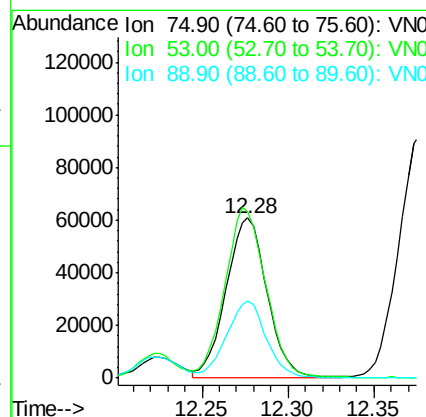
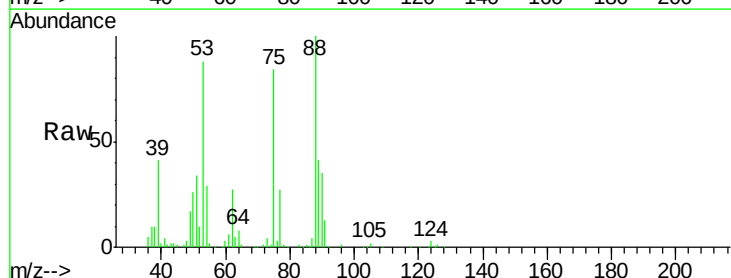
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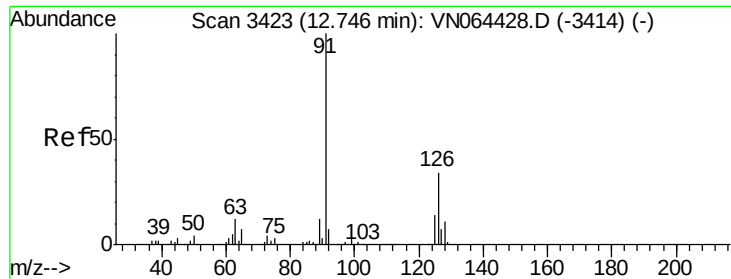
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.932 ug/l
 RT: 12.28 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 75 Resp: 101516
 Ion Ratio Lower Upper
 75 100
 53 105.7 84.0 126.0
 89 46.7 36.3 54.5





#82

4-Chlorotoluene

Concen: 48.966 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion: 91 Resp: 750629

Ion Ratio Lower Upper

91 100

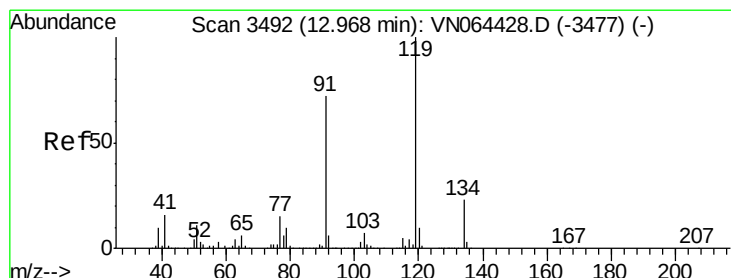
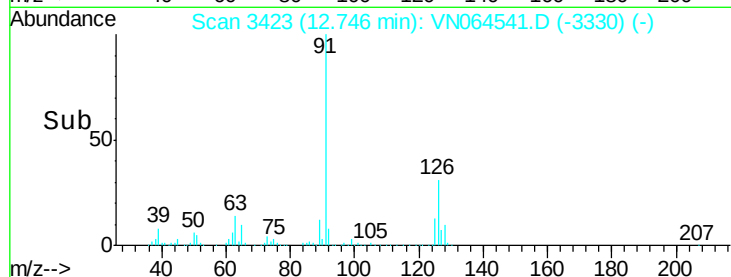
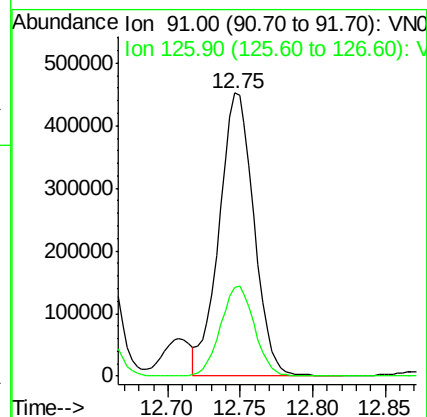
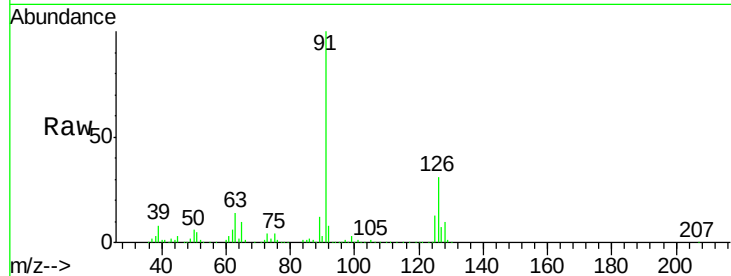
126 31.0 15.4 46.2

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#83

tert-Butylbenzene

Concen: 49.537 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

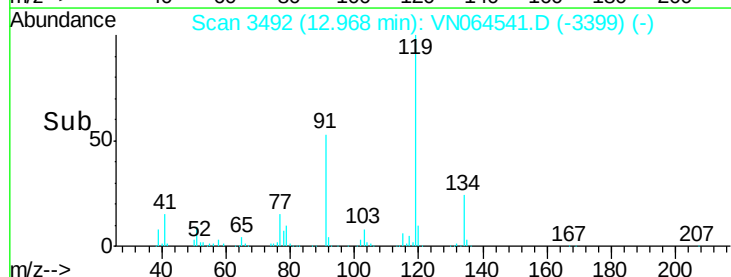
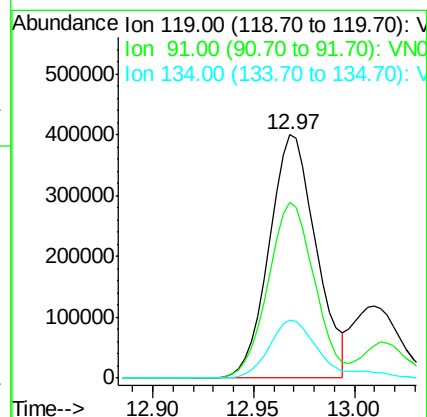
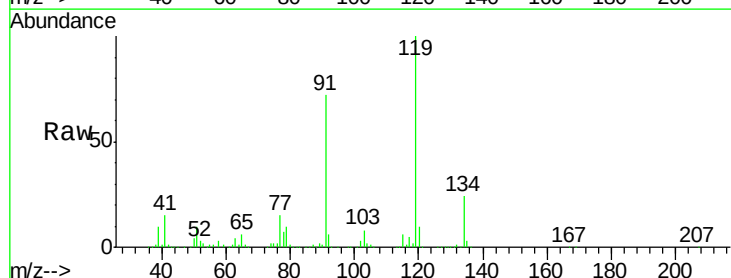
Tgt Ion: 119 Resp: 646127

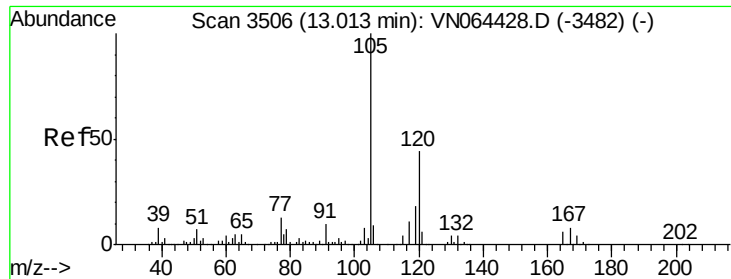
Ion Ratio Lower Upper

119 100

91 71.4 36.1 108.3

134 23.6 11.7 35.1





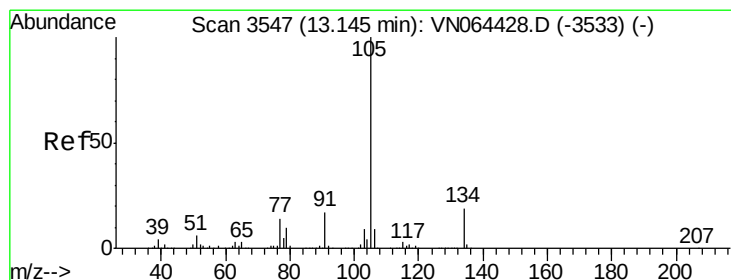
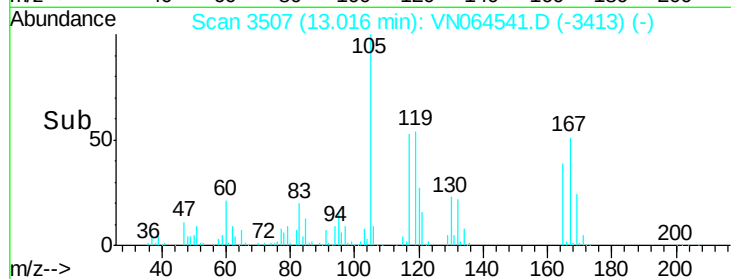
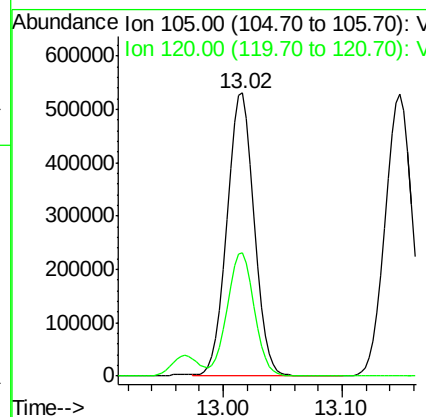
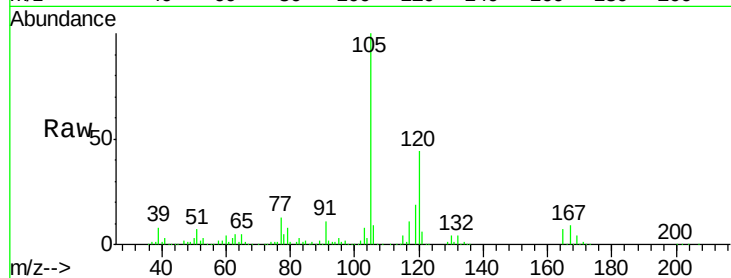
#84
 1,2,4-Trimethylbenzene
 Concen: 50.024 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.9	65.7

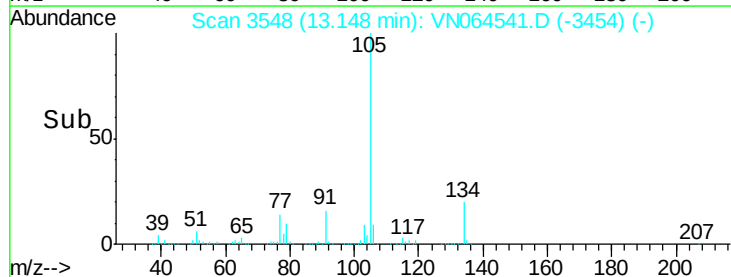
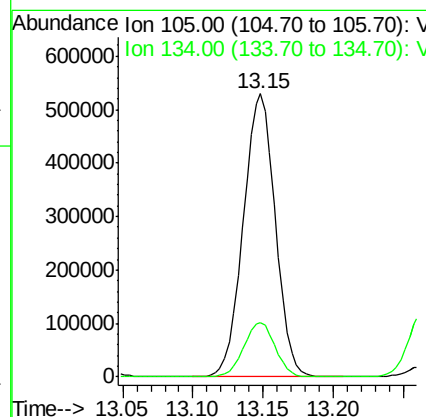
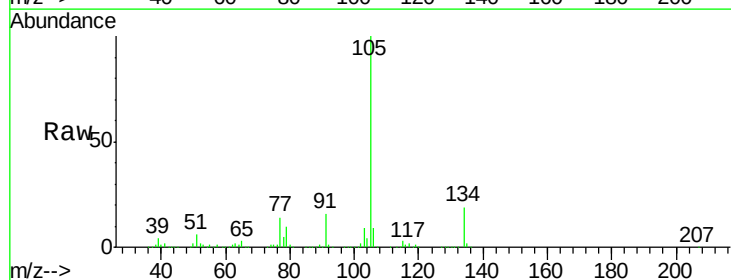
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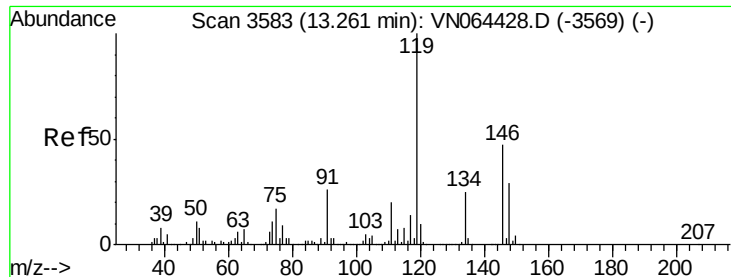
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#85
 sec-Butylbenzene
 Concen: 50.758 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.4	28.2





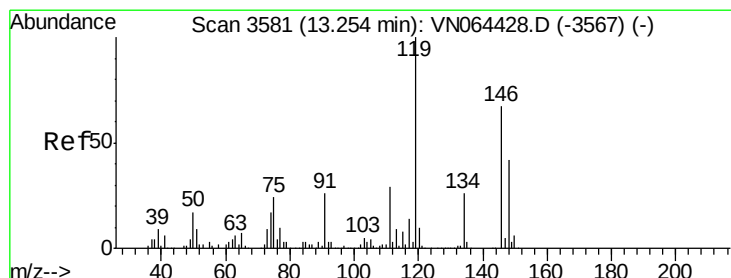
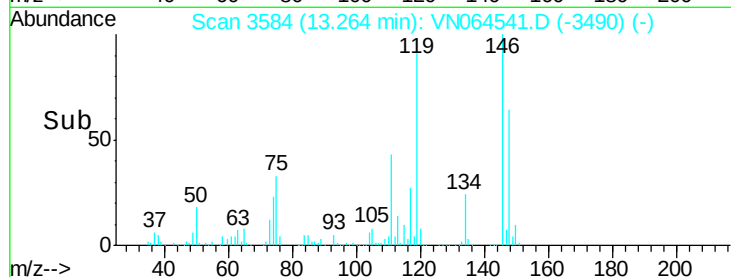
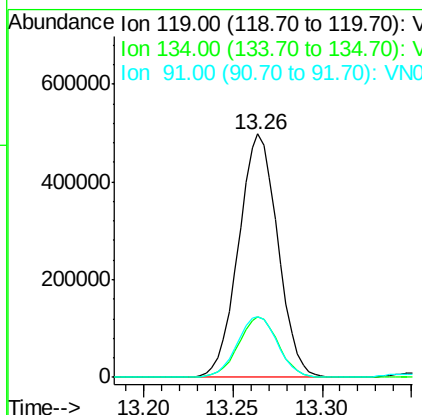
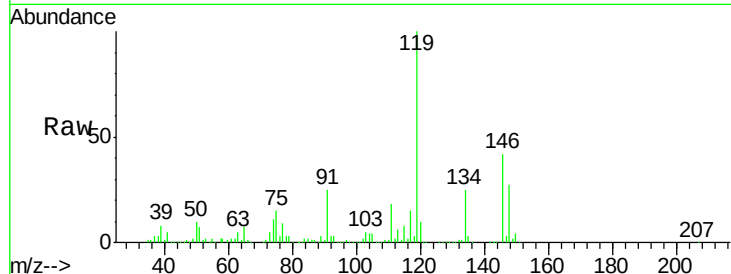
#86
p-Isopropyltoluene
Concen: 51.023 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.6
91	25.7	12.8	38.3

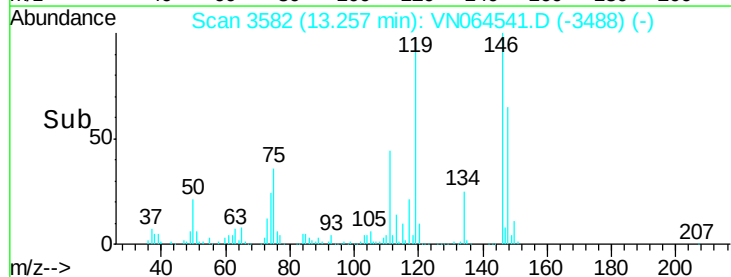
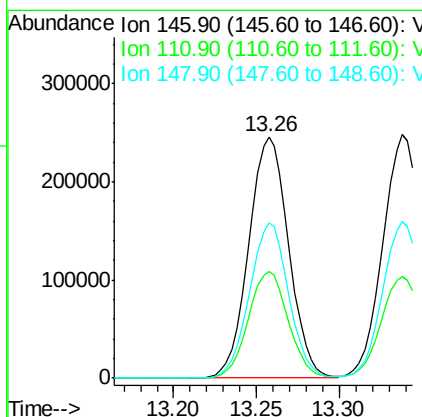
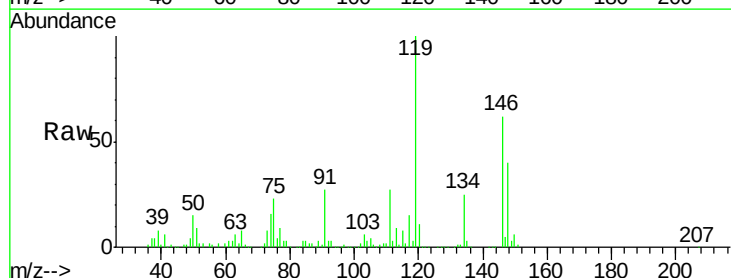
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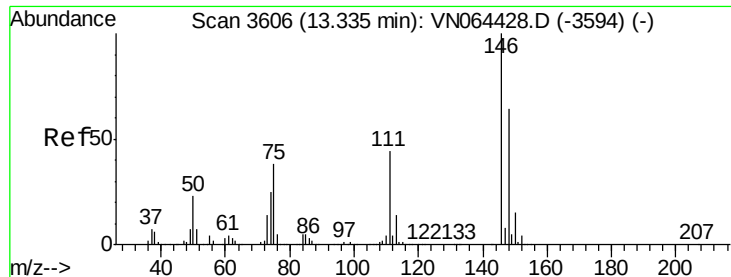
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#87
1,3-Dichlorobenzene
Concen: 48.225 ug/l
RT: 13.26 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.1	66.1
148	63.1	31.7	95.1





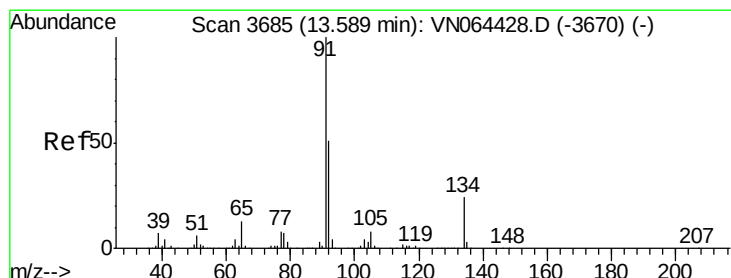
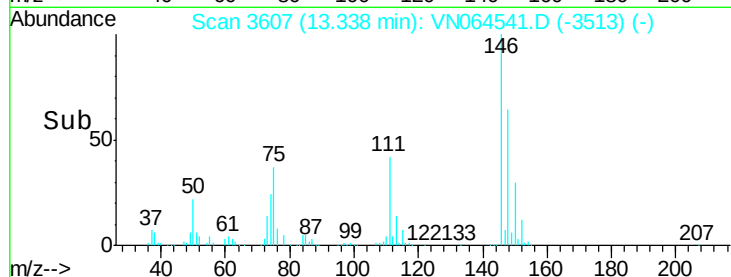
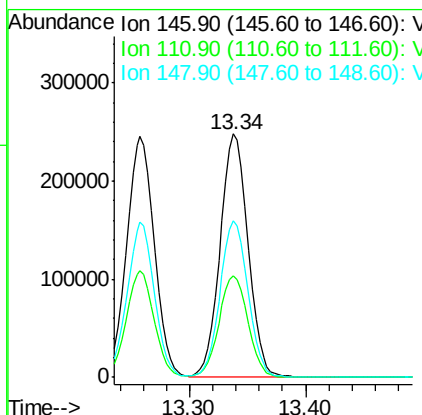
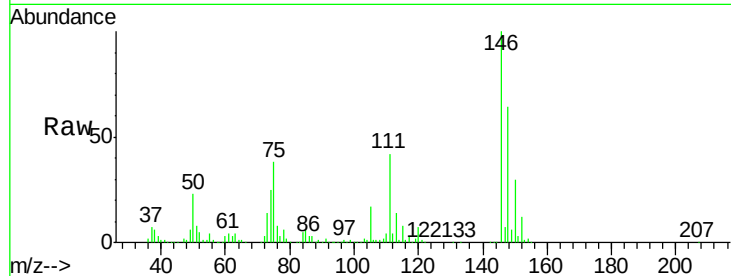
#88
 1,4-Dichlorobenzene
 Concen: 46.802 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.8	65.3
148	64.0	32.4	97.2

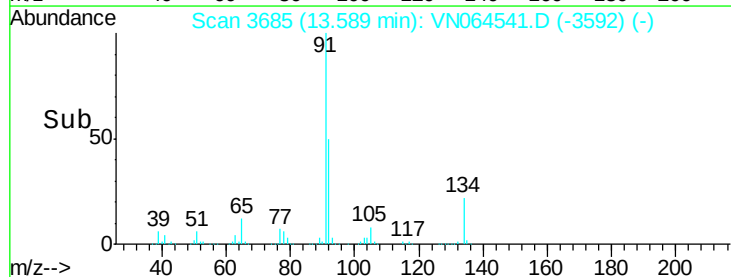
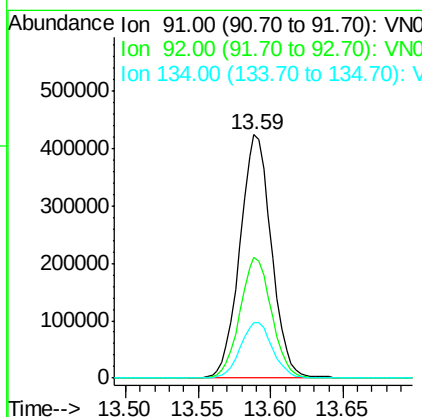
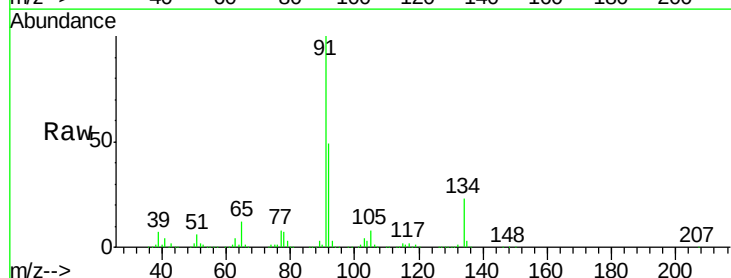
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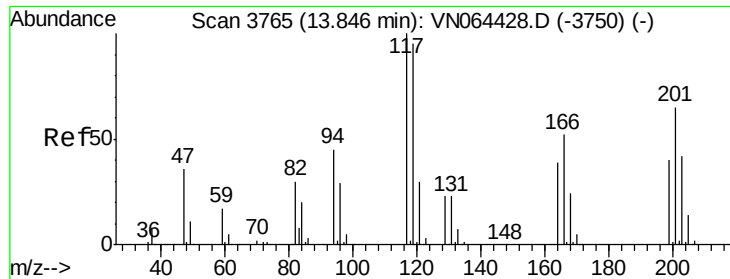
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#89
 n-Butylbenzene
 Concen: 50.153 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.1	25.3	75.9
134	23.3	11.8	35.4





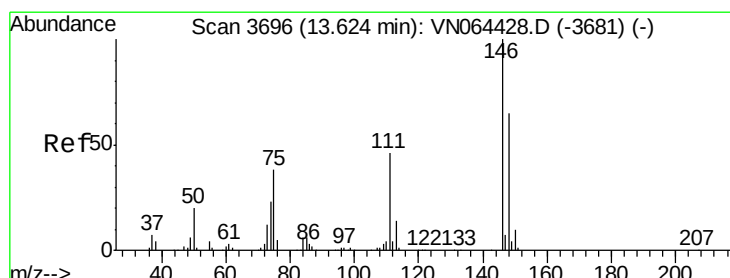
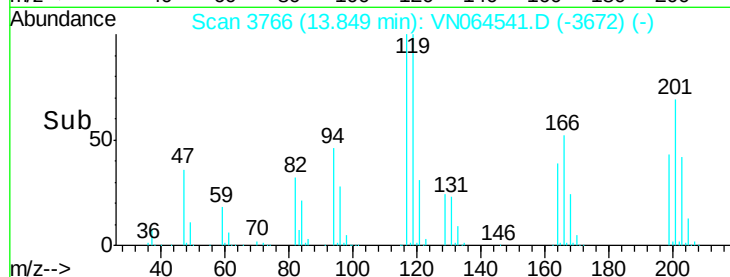
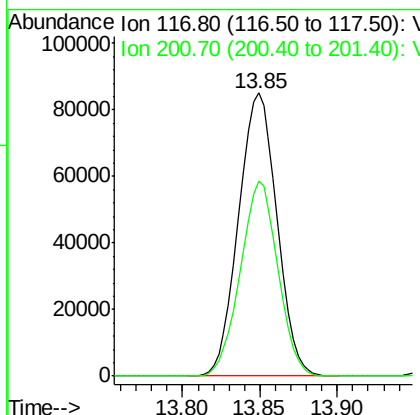
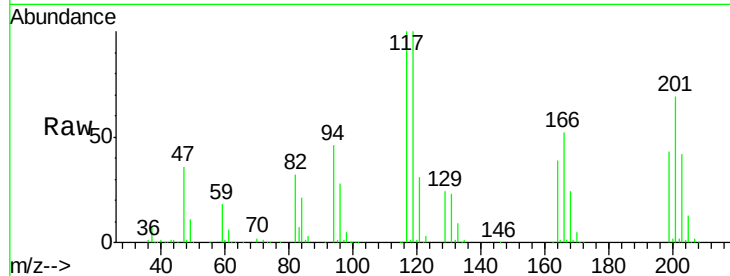
#90
Hexachloroethane
Concen: 51.216 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500MS

Tot Ion:117 Resp: 146799
Ion Ratio Lower Upper
117 100
201 67.3 32.5 97.5

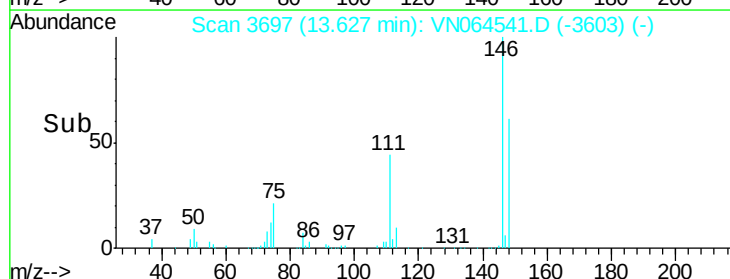
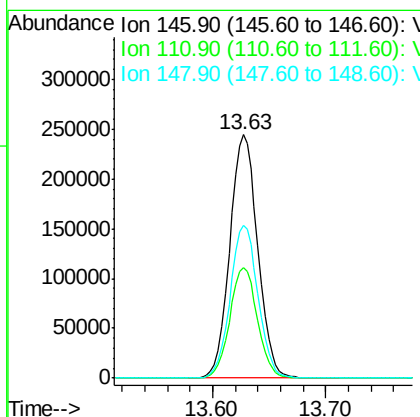
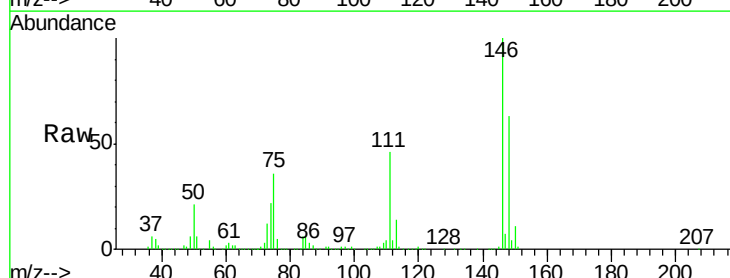
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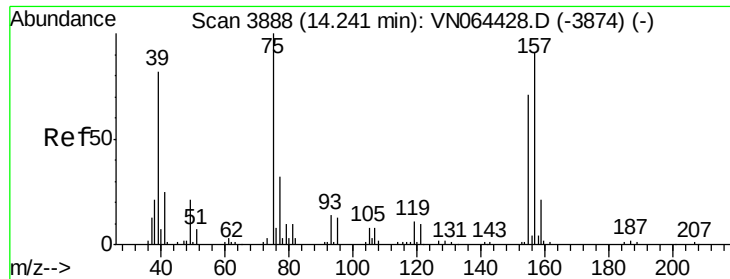
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#91
1,2-Dichlorobenzene
Concen: 50.939 ug/l
RT: 13.63 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN064541.D
Acq: 10 Nov 2020 21:26

Tgt Ion:146 Resp: 418617
Ion Ratio Lower Upper
146 100
111 45.1 22.9 68.7
148 62.5 32.0 96.2





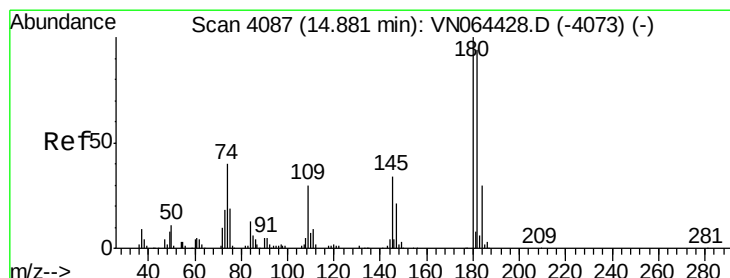
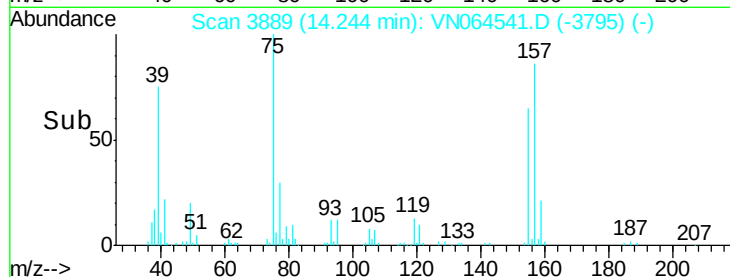
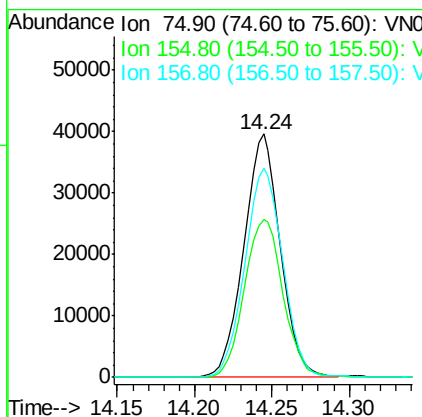
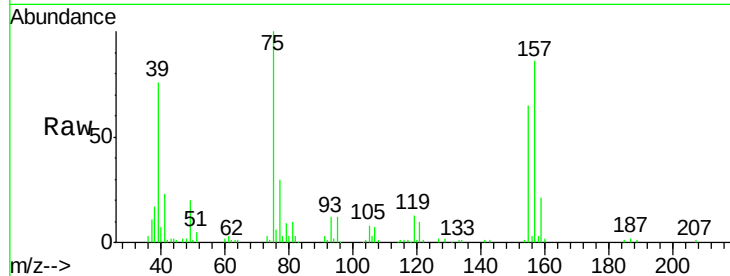
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.578 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion: 75 Resp: 65090
 Ion Ratio Lower Upper
 75 100
 155 68.8 34.6 103.9
 157 89.2 43.0 128.8

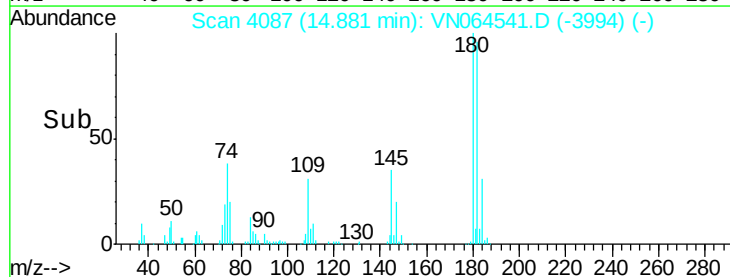
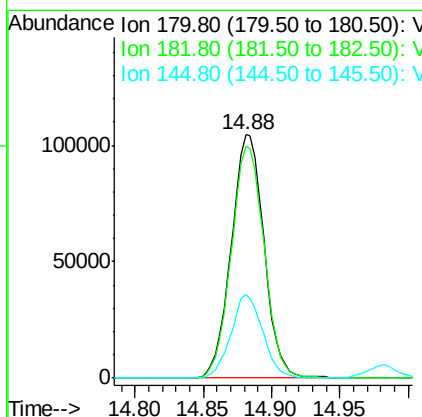
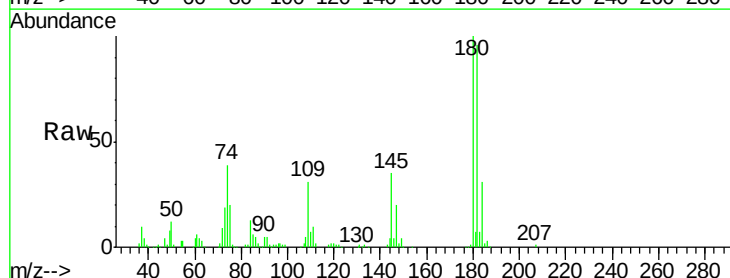
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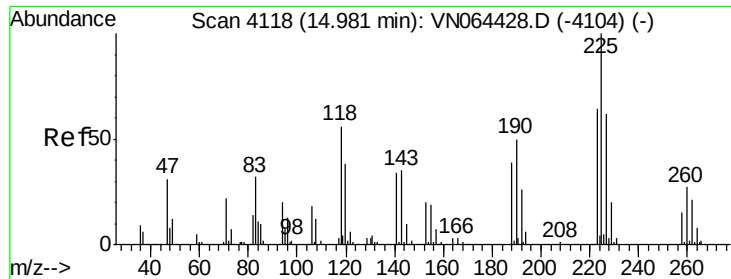
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#93
 1,2,4-Trichlorobenzene
 Concen: 43.048 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Tgt Ion: 180 Resp: 174331
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.3 142.0
 145 33.3 16.7 50.1





#94

Hexachlorobutadiene

Concen: 48.033 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Instrument :

MSVOA_N

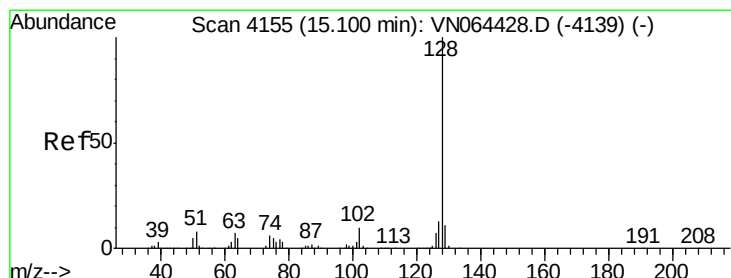
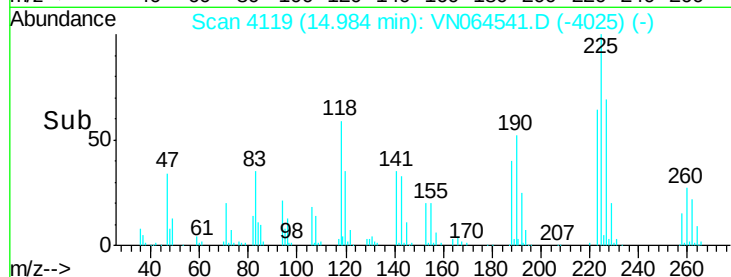
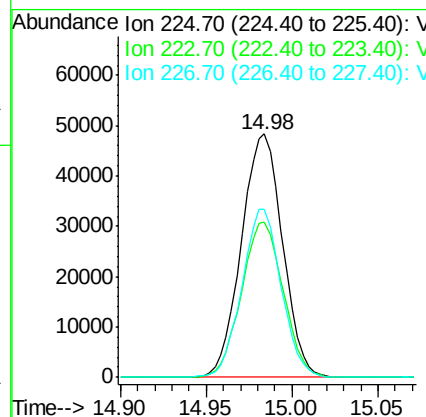
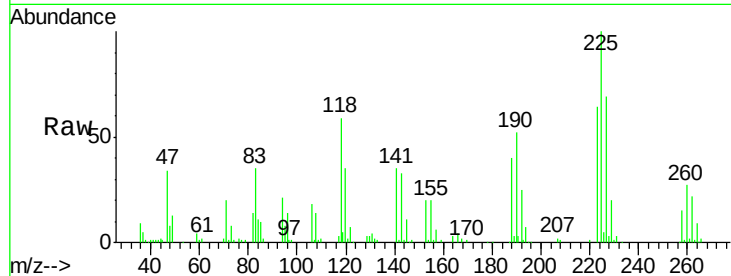
ClientSampleId :

BP-VPB178-GW-498-500MS

Tot Ion:	225	Resp:	80369
Ion Ratio	Lower	Upper	
225	100		
223	64.3	31.8	95.4
227	65.7	31.8	95.4

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#95

Naphthalene

Concen: 41.847 ug/l

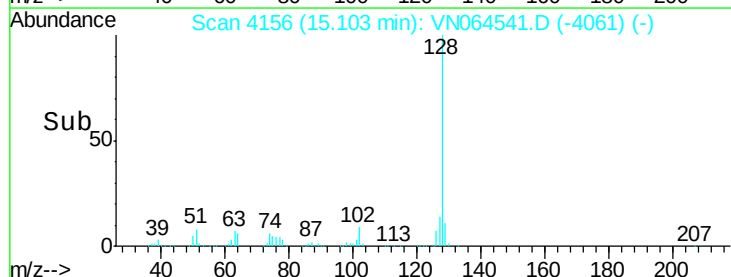
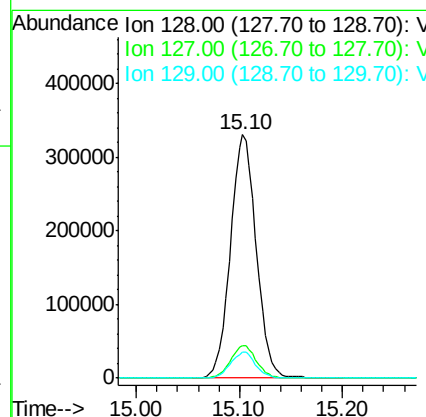
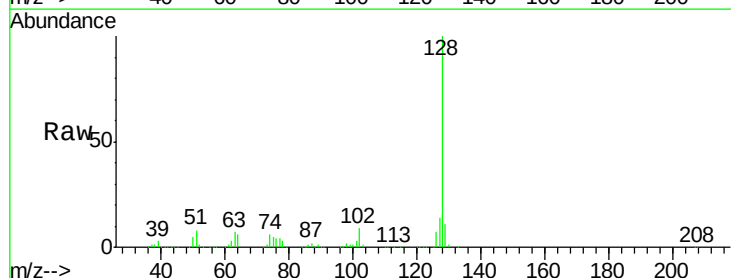
RT: 15.10 min Scan# 4156

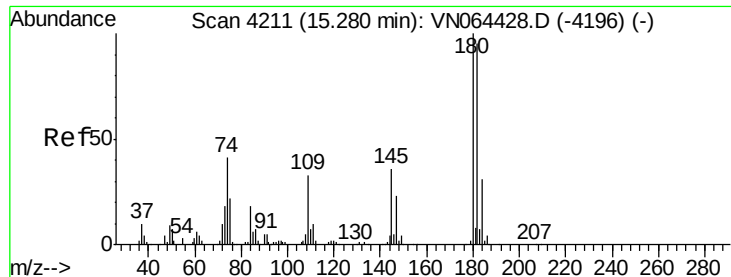
Delta R.T. 0.00 min

Lab File: VN064541.D

Acq: 10 Nov 2020 21:26

Tgt Ion:	128	Resp:	575666
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.4	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 44.631 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN064541.D
 Acq: 10 Nov 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	175219		
182	94.4		47.7	143.1
145	34.0		18.3	54.8

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:02:10 PM

